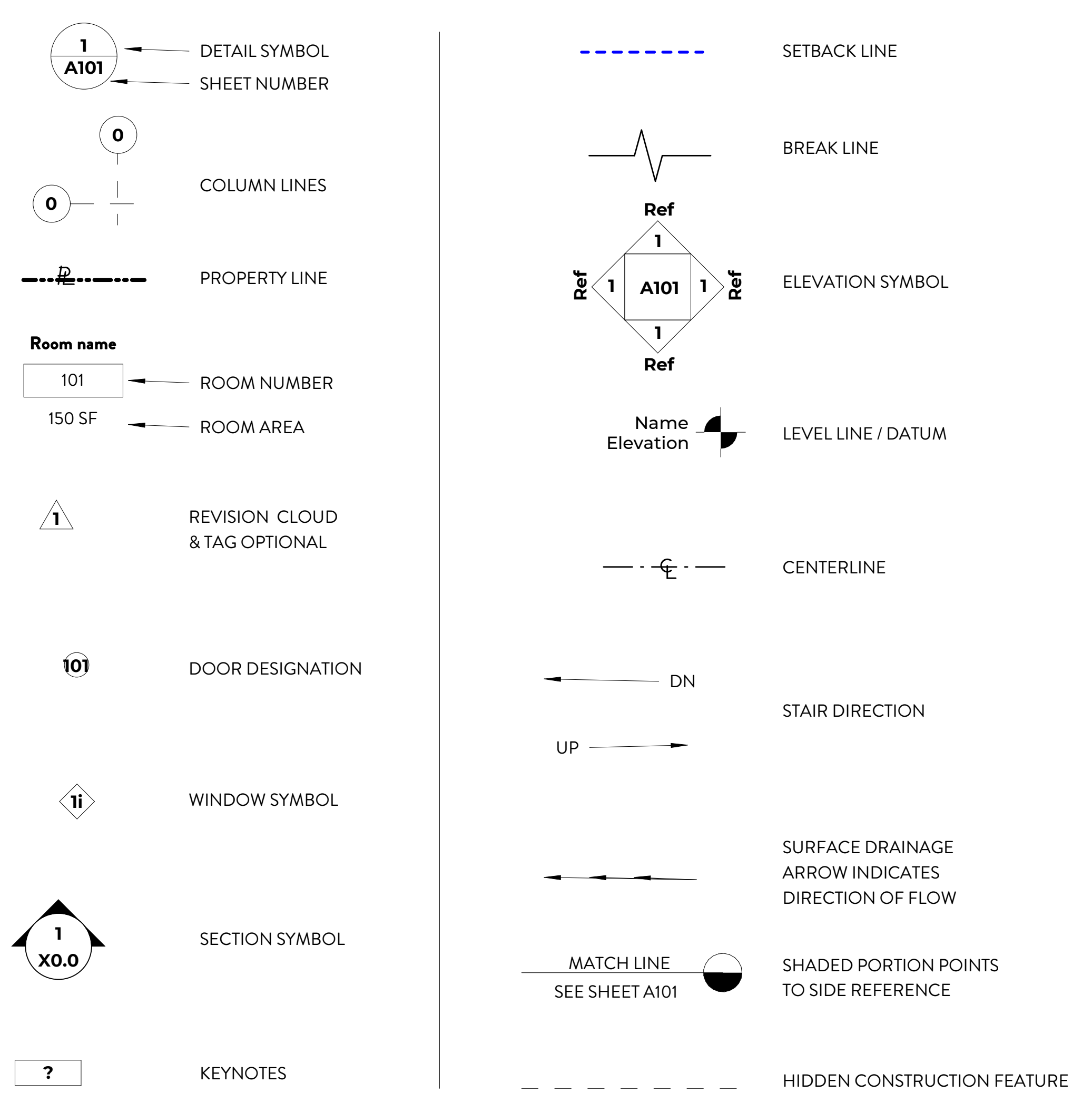
ARCHITECTURAL SYMBOL LEGEND



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HIGH FIRE ZONE

THE SUBJECT PROPERTY AND PROJECT IS LOCATED IN A HIGH FIRE ZONE AND IS SUBJECT TO REQUIREMENTS FOR RIVERSIDE COUNTY ORDINANCE NO. 787 CALIFORNIA BUILDING CODE - CHAPTER 7A AND CALIFORNIA RESIDENTIAL CODE R337.

THE FOLLOWING REQUIREMENTS APPLY:

1. CLASS A ROOFING TO BE USED, NO EQUAL
2. VENTS LOCATED UNDER EAVES OR CORNICES ARE **NOT** ALLOWED
3. ALL EAVES TO BE FIRE RESISTANT WITH IGNITION RESISTANT AND NON-COMBUSTIBLE CONSTRUCTION
4. ALL EXTERIOR WALL CONSTRUCTION SHALL BE NON-COMBUSTIBLE CONSTRUCTION
5. ALL EXTERIOR GLAZING SHALL BE TEMPERED PANE OR 20-MINUTE FIRE RATED
6. ALL EXTERIOR DOORS SHALL BE 20-MINUTE FIRE RATED
7. EXTERIOR DECKING SHALL BE NON-COMBUSTIBLE CONSTRUCITON

ADDITIONAL NOTES

1. THE MINIMUM FIRE FLOW FOR THIS PROJECT IS 1,000 GPM AT 20 PSI FOR A 2-HOUR DURATION
2. THE STRUCTURE WILL SUPPORT THE DEAD LOAD OF THE WATER-FILLED FIRE SPRINKLER SYSTEM.

FIRE DEPARMENT NOTES

1. ALL DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION. (TITLE 19, SEC3.08, 3.21, CFC 804)
2. BUILDING OCCUPANT SHALL SECURE PERMITS REQUIRED BY THE FIRE DEPARTMENT FROM THE FIRE PREVENTION BUREAU PRIOR TO OCCUPYING
3. THIS BUILDING.
4. FIRE DAMPERS OR DOORS SHALL BE PROVIDED WHERE AIR DUCTS PENETRATE FIRE RATED WALLS OR CEILINGS. ALL DUCT OPENINGS ARE LIMITED IN AREA TO 100SF OF CEILING. ACCESS OPENING 1 HOUR RATED ASSEMBLY TO BE APPROVED BY BUILDING DEPARTMENT.
5. FIRE AND/OR SMOKE DAMPER ASSEMBLIES, INCLUDING SLEEVES AND INSTALLATION PROCEDURES SHALL BE APPROVED BY THE BUILDING INSPECTOR PRIOR TO INSTALLATION.
6. EXIT LIGHTING AND SIGNS ARE TO HAVE MINIMUM 6" LETTERS ON CONTRASTING BACKGROUND (TITLE 24 C.B.C. SECTION 1013.6.1).
7. EXITS SHALL BE MARKED BY AN APPROVED EXIT SIGN AND SHALL BE READILY VISIBLE FROM ANY DIRECTION OF EGRESS TRAVEL. EXIT SIGNS SHALL BE LOCATED TO CLEARLY INDICATE THE DIRECTION OF THE EGRESS TRAVEL AND SUCH THAT NO POINT SHALL BE MORE THAN 100 FEET FROM THE NEAREST VISIBLE SIGN (SEC. 1013.1).
8. PROVIDE EXIT ILLUMINATION THAT HAS A MINIMUM INTENSITY OF NOT LESS THAN 1 FOOT CANDLE AT THE FLOOR LEVEL (SEC. 1013.6). POWER FOR THE MEANS OF EGRESS ILLUMINATION SHALL BE PROVIDED BY THE PREMISES ELECTRICAL SUPPLY. IN THE EVENT OF POWER SUPPLY FAILURE, AN EMERGENCY ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE EGRESS SYSTEM FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR (SEC. 1013.6.3). WHEN THE OCCUPANT LOAD EXCEEDS 100, EMERGENCY POWER SHALL BE PROVIDED. PROVIDE TWO SEPARATECIRCUITS UNDER CIRCUITS SEPARATE PERMIT BY ELECTRICAL ENGINEER.
9. MAINTAIN 44-" MINIMUM AISLES TO REQUIRED EXITS.
10. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. NO STORAGE IS PERMITTED IN ANY EGRESS PATHS.
11. KEY BOXES SHALL BE PROVIDED FOR ALL (HIGH-RISE BUILDINGS, POOL ENCLOSURES, GATES IN THE PATH OF FIREFIGHTERS TRAVEL TO STRUCTURES, SECURED PARKING LEVELS, DOORS GIVING ACCESS TO ALARM PANELS AND/OR ANNUNCIATORS AND ANY OTHER) STRUCTURES OR AREAS WHERE ACCESS TO AN AREA IS RESTRICTED AND SHALL BE INSTALLED PER CFC 506.
12. EXIT DOORS SHALL SWING IN THE DIRECTION OF EXIT TRAVEL WHEN SERVING MORE THAN 50 PERSONS. TITLE 24 (C.B.C. SEC. 1010.1.2.1)
13. ALL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE. NO DEAD BOLTS, NO SLIDING BOLTS, ETC. (C.B.C. SEC. 1010.1.9).
14. EACH EXIT GRADE-LEVEL DOOR AND EACH EXIT DOOR THAT LEADS DIRECTLY TO A GRADE-LEVEL EXIT BY MEANS OF STAIRWAY OR RAMP SHALL BE IDENTIFIED BY A TACTILE EXIT SIGN AND APPROPRIATE WORDING (CBC SEC.1013.4).
15. PANIC HARDWARE OR FIRE EXIT HARDWARE SHALL BE PROVIDED ON EXIT DOORS SERVING ROOMS, CORRIDORS OR STAIRWAYS HANDLING AN OCCUPANT CAPACITY OF 50 OR MORE PERSONS, IN AN A, E, 1-2, or 1-2.1 OCCUPANCIES. C.B.C. SEC. 1010.1.10.
16. 15. DOORS OPENING INTO REQUIRED 1-HOUR FIRE RESISTIVE CORRIDORS SHALL
17. BE PROTECTED WITH A SMOKE OR DRAFT STOP FIRE ASSEMBLY HAVING A 20
18. MINUTE RATING. (C.B.C. SECTION 716.5.3).
19. AT LEAST ONE 2A:10B:C FIRE EXTINGUISHER SHALL BE PROVIDED SO THAT THE TRAVEL DISTANCE FROM ANYWHERE IN THE BUILDING DOES NOT EXCEED 75 FEET TO AN EXTINGUISHER. EXTINGUISHERS SHALL BE LOCATED ALONG THE NORMAL PATH OF TRAVEL AND IN A READILY VISIBLE AND ACCESSIBLE LOCATION, WITH THE BOTTOM OF THE EXTINGUISHER AT LEAST 4 INCHES ABOVE THE FINISHED FLOOR. (CFC 906).
20. LOCATION AND CLASSIFICATION OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH CFC 906 AND CCR TITLE 19.
21. BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH CFC CHAPTER 33. WELDING, CUTTING AND OTHER HOT WORK SHALL BE IN CONFORMANCE WITH CFC CHAPTER 35.
22. ANY DECORATIONS USED SHALL BE NON-COMBUSTIBLE OR FLAMEPROOF IN APPROVED MANNER.
23. INTERIOR FINISHES SHALL COMPLY WITH CALIFORNIA FIRE CODE CHAPTER 8 OF THE BUILDING CODES. WALL, FLOOR AND CEILING FINISHES AND MATERIALS SHALL NOT EXCEED THE FINISH CLASSIFICATIONS IN THE CBC TABLE 803.11 AND SHALL MEET THE FLAME PROPAGATION PERFORMANCE CRITERIA OF THE CALIFORNIA CODE OF REGULATIONS, TITLE 19, DIVISION 1. DECORATIVE MATERIALS SHALL BE PROPERLY TREATED BY A PRODUCT OF PROCESS APPROVED BY THE STATE FIRE MARSHAL.
24. COMPLETE PLANS AND SPECIFICATIONS FOR FIRE ALARM SYSTEMS, FIREEXTINGUISHING SYSTEMS, INCLUDING AUTOMATIC SPRINKLERS AND WET AND DRY STANDPIPES, HALON SYSTEMS AND OTHER SPECIAL TYPES OF AUTOMATIC FIRE-EXTINGUISHING SYSTEMS, BASEMENT PIPE INLETS, AND OTHER FIRE-PROTECTION SYSTEMS AND APPURTENANCES THERETO SHALL BE SUBMITTED TO THE TRIBAL FIRE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. (CFC 901.2).
25. COMPLETE PLANS AND SPECIFICATIONS FOR FIRE ALARM SYSTEMS SHALL BE SUBMITTED TO THE TRIBAL FIRE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. (CFC 907.1.1)
26. THE INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEMS SHALL COMPLY WITH THE C.B.C. STANDARDS 901, 903.
27. INSTALLATION OF FIRE ALARM SYSTEMS SHALL BE IN ACCORDANCE WITH CFC 1007.
28. EXIT SIGNS SHALL BE CONNECTED TO AN EMERGENCY ELECTRICAL POWER SYSTEM THAT PROVIDES CONTINUOUS ILLUMINATION INDEPENDENT OF THE EXTERNAL POWER SOURCE TO ENSURE THAT THE EXIT SIGNS ARE ILLUMINATED AT ALL TIMES (C.B.C. SEC 1013.6.3). EXIT SIGNS SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 924 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND CHAPTER 27.
29. PROVIDE TWO SEPARATE SOURCES OF POWER FOR EXIT SIGNS CONFORMING TO CODE SECTIONS C.B.C. SEC. 1013.6.3.
30. PROVIDE OCCUPANT LOAD SIGN COMPLYING WITH THE FOLLOWING CODE SECTIONS: CFC SEC. 1004.3, CCRT-19, SEC 3 30 CBC SEC 1004.3
31. ADDRESS IDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS IN A LOCATION THAT IS PLAINLY VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY WAY OF PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. PREMISES IDENTIFICATION SHALL CONFORM TO CBC SECTION 501.2, CFC 505.
32. FIRE-EXTINGUISHING SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CFC 901 AND COMPLY WITH STANDARDS SET FORTH IN CFC 903.
33. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATER FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRONICALLY MONITORED WHERE THE NUMBER OF SPRINKLERS IS 20 OR MORE. (CFC 903.4)
34. FIRE ALARM SYSTEMS SHALL BE IN ACCORDANCE WITH 2022 CFC (BASED ON THE 2019 IFC)
35. AT LEAST ONE FIRE EXTINGUISHER WITH A MINIMUM RATING OF 4-A-20BCSHALL BE PROVIDED OUTSIDE EACH MECHANICAL, ELECTRICAL, OR BOILER ROOM. (CAF.)
36. FIRE PROTECTION, INCLUDING FIRE APPARATUS ACCESS ROADS AND WATER SUPPLIES FOR FIRE PROTECTION, SHALL BE INSTALLED AND MADE SERVICEABLE PRIOR TO AND DURING TIME OF CONSTRUCTION. (CAF.)
37. AN APPROVED AUDIBLE SPRINKLER FLOW ALARM (BELL) SHALL BE PROVIDED ON THE EXTERIOR OF THE BUILDING IN AN APPROVED LOCATION (CBC 903.4.2)
38. DURING CONSTRUCTION, AT LEAST ONE FIRE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY, IN ALL STORAGE AND CONSTRUCTION SHEDS, IN LOCATIONS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED OR USED, AND WHERE OTHER SPECIAL HAZARDS ARE PRESENT PER CFC 3315.1 CBC SEC. 718.3 DRAFTSTOPS IN COMBUSTIBLE CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE FLOOR/ CEILING ASSEMBLIES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 1000 SF.(CBC SEC. 718.3.3) EXCEPTION #1: IN OTHER THAN GROUP A, E, H,I,L AND R-21 OCCUPANCIES, HIGH RISE BUILDINGS AND OTHER APPLICATIONS LISTED IN SECTION 1.11 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL AND WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA13, DRAFT STOPPING IS NOT REQUIRED. EXCEPTION #2 IN GROUPS A,E,H,I,L AND R-21 OCCUPANCIES, HIGH RISE BUILDINGS AND OTHER APPLICATIONS THAT ARE REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL, WHERE AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.3.1.1 IS INSTALLED, THE AREA BETWEEN DRAFT STOPS MAY BE 3,000 SQUARE FEET AND THE GREATEST HORIZONTAL DIMENSION MAY BE 100 FEET.

FIRE DEPARMENT NOTES CONTD

1. CBC SEC. 718.4. DRAFTSTOPS IN ATTICS: IN CONSTRUCTION, DRAFTSTOPPING SHALL BE INSTALLED TO SUBDIVIDE ATTIC SPACE AND CONCEALED ROOF SPACES, SUCH THAT ANY HORIZONTAL AREA DOES NOT EXCEED 3000 SF. (CBC SEC. 718.4.3) EXCEPTION #1: IN OTHER THAN A,E,H,I,L AND R-21 OCCUPANCIES AND HIGH RISE BUILDINGS AND OTHER APPLICATIONS LISTED IN SECTION 1.11 REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL AND WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA13, AND SECTION 9.3.3.1.1 DRAFT STOPPING IS NOT REQUIRED. EXCEPTION #2 IN OTHER THAN A,E,H,I,L AND R-21 OCCUPANCIES, HIGH RISE BUILDINGS, AND OTHER APPLICATIONS THAT ARE REGULATED BY THE OFFICE OF THE STATE FIRE MARSHAL AND WHERE THE BUILDING IS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH NFPA13, THE AREA BETWEEN DRAFT STOPS
2. MAY NOT EXCEED 9000 SF AND THE GREATEST HORIZONTAL DIMENSION MAY
3. NOT EXCEED 100 FEET.
4. STANDPIPES SHALL BE PROVIDED IN BUILDINGS DURING CONSTRUCTION WHEN THE FLOOR LEVEL OF THE HIGHEST STORY IS LOCATED MORE THAN 30 FEET ABOVE THE LOWEST LEVEL OF FIRE DEPARTMENT VEHICLE ACCESS OR MORE THAN 4 STORIES IN HEIGHT (C.F.C. SECTION 905). A FIRE DEPARTMENT CONNECTION SHALL BE NO MORE THAN 150 FEET FROM AVAILABLE FIRE DEPARTMENT VEHICLE ACCESS ROADWAYS, UNLESS THE BUILDING IS EQUIPPED WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM (C.F.C SECTION 503).
5. DUMPSTER AND TRASH CONSTRAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR IIA STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAT 1 CUBIC YARD SHALL BE OF NON- OR LI MITEDCOMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED. CFC 304.3
6. EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUSIHSER LOCATIONS AND STANDPIPE CONNECTION SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIALS.
7. OPEN FLAMES, FIRE, AND BURNING ON ALL PREMISES IS PROHIBITED EXCEPT AS SPECIFICALLY PERMITTED BY THE CITY OF SAN DIEGO AND CFC 308
8. AN AUTOMATIC EXTINGUISHING SYSTEM SHALL BE PROVIDED TO PROTECT COMMERCIAL-TYPE FOOD HEATING EQUIPMENT THT PRODUCES GREASE LADEN VAPORS AND SHALL COMPLY WITH 2022 CFC, CMC AND 2017 NFPA 17A. REVIEW AND APPROVAL OF A HOOD AND DUCT EXTINGUISHING SYSTEM PLAN IS REQURED PRIOR TO INSTALLATION OR USE OF COOKING EQUIPMENT.
9. STORAGE, DISPENSING, OR USE OF ANY HAZARDOUS MATERIALS SHALL COMPLY WITH CBC 414 AND CFC REGULATIONS. THE STORAGE AND USE OF HAZARDOUS MATERIALS SHALL BE REVIEWED AND APPROVED BY THE CITY OF SAN DIEGO PRIOR TO SUCH MATERIALS BE BROUGHT ON SITE.
10. HAZARDOUS PROCESSES AND EQUIPMENT (E.G. STORAGE TANKS, BATTERY SYSTEMS, REFRIGERATION, VAPOR RECOVERY SPRAY BOOTHS AND DRYING ROOMS, DIP TANKS, INDUSTRIAL OVENS, DUST COLLECTION SYSTEMS, MEDICAL/INDUSTIRAL GAS SYSTEMS, ECT) SHALL BE REVIEWED AND APPROVED BY THE CITY OF SAN DIEGO PRIOR TO INSTALLATION. SUCH EQUIPMENT AND PROCESSES MAY REQUIRE ADDITION BUILDING FEATURES AND PROTECTION.
11. HIGH-PILED COMBUSTIBLE STORAGE SHALL BE IN ACCORDANCE WITH CFC CHAPTER 23
12. SMOKE CONTROL SYSTEMS SHALL COMPLY WITH CBC 909. REVIEW AND APPROVAL OF A RATIONAL ANALYSTS REPORT IS REQUIRED PRIOR TO COMMENCING CONSTRUCTION. ACCEPTANCE TESTING SHALL BE PERFORMED BY A QUALIFIED THIRD PARTY SPECIAL INSPECTOR AND VEFIFIED BY THE COUNTY OF RIVERSIDE PRIOR TO OCCUPANCY.
13. AUTOMATIC SPRINKLER SYSTEM(S) AND ALL CONTROL VALVES WITH THE EXCEPTION OF THOSE LISTED ON CBC 903.4 SHALL BE MONITORED BY A UL LISTED CENTRAL ALARM STATION.
14. PROVIDE AND MAINTAIN AN UNOBSTRUCTED MIN. HEADROOM CLEARANCE OF7'-6" ALONG THE "MOE" SYSTEM.
15. CONTRACTOR SHALL VERIFY ALL PENETRATIONS OF SLAB BETWEEN FLOORS AND OTHER RATED CONDITIONS. PROVIDE FIRE CAULKING MATERIAL OR FIRE SAFING MATERIAL AS REQUIRED. PENETRATIONS OF FIRE RESISTIVE WALLS, FLOOR TO CEILINGS AND ROOF TO CEILINGS SHALL BE PROTECTED AS REQUIRED.
16. ANY COMBUSTIBLE MATERIAL TO BE INSTALLED IN THE CEILING PLENUM TO BE WRAPPED WITH TYP "X" GYP. BOARD AND/OR BE FIRE RATED PER APPLICABLE CODES.

ACCESSIBILITY NOTES

ACCESSIBLE CONSTRUCTION SUPPORT FACILITIES

11B-201.4 CONSTRUCTION SUPPORT FACILITIES. THESE REQUIREMENTS SHALL APPLY TO TEMPORARY OR PERMANENT CONSTRUCTION SUPPORT FACILITIES FOR USES AND ACTIVITIES NOT DIRECTLY
ASSOCIATED WITH THE ACTUAL PROCESSES OF CONSTRUCTION, INCLUDING BUT NOT LIMITED TO OFFICES,
MEETING ROOMS, PLAN ROOMS, OTHER ADMINISTRATIVE OR SUPPORT FUNCTIONS. WHEN PROVIDED, TOILET
AND BATHING FACILITIES SERVING CONSTRUCTION SUPPORT FACILITIES SHALL COMPLY WITH 11B-213. WHENTOILET AND BATHING FACILITIES SERVING CONSTRUCTION SUPPORT FACILITIES ARE PROVIDED BY PORTABLE
UNITS, AT LEAST ONE OF EACH TYPE SHALL BE ACCESSIBLE AND CONNECTED TO THE CONSTRUCTION SUPPORFACILITIES IT SERVES BY AN ACCESSIBLE ROUTE.

EXCEPTION: DURING CONSTRUCTION AN ACCESSIBLE ROUTE SHALL NOT BE REQUIRED BETWEEN SITE ARRIVAL POINTS OR THE BOUNDARY OF THE AREA OF CONSTRUCTION AND THE ENTRANCE TO THE CONSTRUCTIONSUPPORT FACILITIES IF THE ONLY MEANS OF ACCESS BETWEEN THEM IS A VEHICULAR WAY NOT PROVIDING
PEDESTRIAN ACCESS.

RESPONSIBILTY FOR JOB SITE SAFETY

NOTICE TO PERSONS PERFORMING WORK ON JOB SITE, INCLUDING CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS AND ANY AGENTS OR EMPLOYEES THEREOF

THESE PLANS AND SPECIFCATIONS DO NOT PROVIDE ANY DIRECTION OR INSTRUCTIONS TO CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS OR THEIR EMPLOYEES OR AGENTS RELATED TO CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, SAFETY PRECAUTIONS, MANNERS OR METHODS OF EGRESS OR INGRESS, INCLUDING BUT NOT LIMITED TO JOB SITE SAFETY, THE PHYSICAL CONDITION OF THE JOB SITE, THE MANNER OR METHOD IN WHICH THE AREA WHERE WORK IS PERFORMED IS ACCESSED BY WORKERS, AND SAFETY PROGRAMS OR SAFETY PROTOCOLS OF ANY KIND IN CONNECTION WITH THE WORK. ALL OF THE FOREGOING ARE SOLELY AND EXCLUSIVELY THE RESPONSIBILITY OF THE CONTRACTOR, SUBCONTRACTOR, MATERIAL SUPPLIERS, OR ANY AGENTS OR EMPLOYEES THEREOF.
THE ARCHITECT EXPRESSLY DISCLAIMS ANY CONTROL OVER AND RESPONSIBILITY FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, SAFETY PRECAUTIONS, MANNERS OR METHODS OF EGRESS OR INGRESS, INCLUDING BUT NOT LIMITED TO JOB SITE SAFETY, THE PHYSICAL CONDITION OF THE JOB SITE, THE MANNER OR METHOD IN WHICH THE AREA WHERE WORK IS PERFORMED IS ACCESSED BY WORKERS, AND SAFETY PROGRAMS OR SAFETY PROTOCOLS OF ANY KIND IN CONNECTION WITH THE WORK.
THE ARCHITECT HAS NOT CONDUCTED AN EVALUATION OR ANALYSIS OF SAFETY PROCEDURES OR APPLICABLE LAW REGARDING OR RELATING TO ACCESSING THE JOB SITE OR AREAS OF THE WORK DURING THE COURSE OF CONSTRUCTION.
THE ARCHITECT, THE ARCHITECT'S DESIGNS, AND ANY OTHER WORK PERFORMED BY THE ARCHITECT DO NOT ADDRESS, ANALYZE OR PROVIDE ANY DIRECTION OR ADVICE TO ANY PERSON OR ENTITY ON WHETHER OR NOT THE USE OF EXISTING LADDERS, DOORS, RAILINGS, INGRESS AND INGRESS ROUTES OR THE LIKE ARE IN COMPLIANCE OR NON-COMPLIANCE WITH OSHA, CAL-OSHA(CALIFORNIA ONLY), OR ANY OTHER APPLICABLE STATUTE, REGULATION, OR STANDARD RELATED TO JOB SITE SAFETY DURING THE COURSE OF CONSTRUCTION OF THE IMPROVEMENTS.

APPLICABLE CODES:

THE 2022 EDITIONS OF THE CALIFORNIA BUILDING CODES SHALL APPLY:

2022 CALIFORNIA BUILDING CODE
2022 CALIFORNIA GREEN BUILDING CODE
2022 CALIFORNIA HISTORICAL BUILDING CODE
2022 CALIFORNIA ELECTRICAL CODE
2022 CALIFORNIA MECHANICAL CODE
2022 CALIFORNIA PLUMBING CODE
2022 CALIFORNIA TITLE 24
2022 CALIFORNIA FIRE CODE

SHEET INDEX

#	NAME
ARCHITECTURAL	
A 0.0	GENERAL INFORMATION
A 0.0 E	GENERAL INFORMATION
ARCHITECTURAL	
A 0.1	CODE ANALYSIS
A 0.2	PARKING AND PROGRAMMING EXHIBITS
A 0.3	GREEN BUILDING CODE
A 0.4	GREEN BUILDING CODE
A 0.5	GREEN BUILDING CODE
A 1.0	ARCHITECTURAL SITE PLAN
A 1.0.1	ENLARGED SITE PLAN
A 1.0.2	UTILITY SITE PLAN
A 1.1	DIMENSIONED & KEYED FLOOR PLAN - BUILDING A
A 1.2	DIMENSIONED & KEYED FLOOR PLAN - BUILDING B
A 1.3	DIMENSIONED, KEYED, ROOF, ELECTRICAL & REFLECTED CEILING PLAN - BUILDING C
A 1.4	ELECTRICAL, EQUIPMENT & REFLECTED CEILING PLAN - BUILDING A
A 1.5	ELECTRICAL, EQUIPMENT & REFLECTED CEILING PLAN - BUILDING B
A 1.6	EQUIPMENT SCHEDULE
A 1.7	ROOF PLAN - BUILDING A & B
A 1.8	ENLARGED RESTROOM PLAN
A 1.9	FIRE EGRESS & FINISH FLOOR PLAN - BUILDING A
A 1.10	FIRE EGRESS & FINISH FLOOR PLAN - BUILDING B
A 2.0	EXTERIOR ELEVATIONS - BUILDING A
A 2.1	EXTERIOR ELEVATIONS - BUILDING B
A 2.2	EXTERIOR ELEVATIONS - BUILDING C
A 3.0	ARCHITECTURAL SECTIONS - BUILDING A / BUILDING C & TRASH
A 3.1	ARCHITECTURAL SECTIONS BUILDING C
A 4.0	ARCHITECTURAL DETAILS
A 4.1	ACCESSIBLE DETAILS
A 4.2	SITE ACCESSIBILITY DETAILS
A 5.0TE	TRASH ENCLOSURE
STRUCTURAL	
S01A	GENERAL STRUCTURAL NOTES AND DETAILS
S01B	GENERAL STRUCTURAL NOTES AND DETAILS
S02A	BUILDING A FOUNDATION & MEZZANINE FRAMING PLAN
S02B	BUILDING B FOUNDATION & MEZZANINE FRAMING PLAN
S02C	BUILDING C FOUNDATION PLAN & TRASH ENCLOSURE FOUNDATION & FRAMING PLAN
S03	FOUNDATION PLAN DETAILS
S04	STRUCTURAL DETAILS
S05	STRUCTURAL DETAILS
STRUCTURAL - METAL BUILDING A	
C01	COVER SHEET
C02	UNLOADING, HANDLING & STORING OF MATERIALS
C03	LEGENDS AND ABBREVIATIONS
C04	DRAWING INDEX
F001	COLUMN LAYOUT PLAN
F002	ANCHOR BOLT DETAILS
F003	ANCHOR BOLT REACTIONS
E001	ROOF FRAMING PLAN
E002	ROOF SHEETING PLAN
E003	RIGID FRAME ELEVATION
E004	RIGID FRAME ELEVATION
E005	ENDWALL FRAMING & SHEETING ELEVATION
E006	ENDWALL FRAMING & SHEETING ELEVATION
E007	SIDEWALL FRAMING & SHEETING ELEVATION
E008	SIDEWALL FRAMING & SHEETING ELEVATION
E009	STANDARD CONNECTION DETAILS
E010	STANDARD CONNECTION DETAILS
E011	DETAIL DRAWINGS
E012	DETAIL DRAWINGS
E013	DETAIL DRAWINGS
STRUCTURAL - METAL BUILDING B	
C01	COVER SHEET
C02	UNLOADING, HANDLING & STORING OF MATERIALS
C03	LEGENDS AND ABBREVIATIONS
C04	DRAWING INDEX
F01	COLUMN LAYOUT PLAN
F02	ANCHOR BOLT DETAILS
F03	ANCHOR BOLT REACTIONS
F04	DESIGN CALCULATE WIND REPORT
E01	ROOF FRAMING PLAN
E02	ROOF FRAMING PLAN
E03	ROOF SHEETING PLAN
E04	ROOF SHEETING PLAN
E05	RIGID FRAME ELEVATION
E06	RIGID FRAME ELEVATION
E07	RIGID FRAME ELEVATION
E08	RIGID FRAME ELEVATION
E09	ENDWALL FRAMING & SHEETING ELEVATION
E10	ENDWALL FRAMING & SHEETING ELEVATION
E11	ENDWALL FRAMING & SHEETING ELEVATION
E12	SIDEWALL FRAMING & SHEETING ELEVATION
E13	SIDEWALL FRAMING & SHEETING ELEVATION
E14	SIDEWALL FRAMING & SHEETING ELEVATION
E15	SIDEWALL FRAMING & SHEETING ELEVATION
E16	LINER SHEETING ELEVATION
E17	WIND BENT ELEVATION
E18	WIND BENT ELEVATION
E19	DRAWING DETAILS
E20	DRAWING DETAILS
E21	DRAWING DETAILS
E22	DRAWING DETAILS
E23	DRAWING DETAILS
STRUCTURAL - METAL BUILDING C	
C01	COVER SHEET
C02	UNLOADING, HANDLING & STORING OF MATERIALS
C03	LEGENDS AND ABBREVIATIONS
C04	DRAWING INDEX
F01	COLUMN LAYOUT PLAN
F02	ANCHOR BOLT DETAILS
F03	ANCHOR BOLT REACTIONS
E01	ROOF FRAMING PLAN
E02	ROOF SHEETING PLAN
E03	RIGID FRAME ELEVATION
E04	ENDWALL FRAMING & SHEETING ELEVATION
E05	SIDEWALL FRAMING & SHEETING ELEVATION
E06	STANDARD CONNECTION DETAILS
E07	STANDARD CONNECTION DETAILS
E08	DETAIL DRAWINGS
E09	DETAIL DRAWINGS
MECHANICAL	
M1.1	BUILDING A HVAC PLAN
M1.2	BUILDING B HVAC PLAN
M2.0	HVAC SCHEDULES, NOTES & DETAILS
ELECTRICAL	
E0.1	SITE POWER PLAN
E1.1	BUILDING A POWER PLAN
E1.2	BUIDLING B POWER PLAN
E2.1	BUILDING A LIGHTING PLAN & BUILDING C ELECTRICAL PLAN
E2.2	BUILDING B LIGHTING PLAN
E3.0	SINGLE LINE DIAGRAM, PANEL SCHEDULES & LOAD SUMMARY
PLUMBING	
P1.1	BUILDING A PLUMBING PLAN
P1.2	BUILDING B PLUMBING PLAN

SITE DATA

PROJECT ADDRESS: HAVEN VINEYARD
41699 CAMINO DEL VINO
TEMECULA, CA 92592

APN NO: 927-670-009

NET LOT SIZE: 9.26 ACRES

GROSS LOT SIZE: 10.15 ACRES

LEGAL DESCRIPTION:
RECORDED BOOK/PAGE: PM 142/50
SUBDIVSION NAME: PM 18439
LOT/PARCEL: 3

CITY BOUNDARY: NOT IN A CITY

ZONE: (ORD. 348) WC-W, CZ NUMBER 7929

LAND USE: AGRICULTURE

GENERAL PLAN: TEMECULA VALLEY WINE COUNTRY POLICY DISTRICT (WINERY DISTRICT).

FIRE HAZARD ZONE: (ORD. 787) - VERY HIGH, FIRE RESPONSIBILITY AREA

SETBACKS: PER ORDINANCE 348 SECTION 14.93:
PROPERTY IS LOCATED NEXT TO DE PORTOLA ROAD & CAMINO DEL VINO ROAD

FRONT YARD = 100'-0"
SIDE YARD = 30'-0"
REAR YARD = 30'-0"

NUMBER OF STORIES / HEIGHT:

	TYPE	OCCUPANCY	ALLOWABLE STORIES
BUILDING A			
	TYPE II-B	A-2	3
	TYPE II-B	S-2	3
BUILDING B =			
	TYPE II-B	F-2	3
	TYPE II-B	S-2	3
BUILDING C =			
	TYPE II-B	S-2	3
TRASH ENCLOSURE =			
	TYPE II-B	U	3

FLOOR AREA: REFER TO A 0.2 - AREA PLANS
BUILDING A
TASTING ROOM, BAR, RESTROOMS, WASH ZONE, OFFICE = 2,800 S.F.
BUILDING B
BARREL ROOM, PRODUCTION PAD, OFFICE, KITCHEN, CRUSH PAD= 3,740 S.F.
BUILDING C
STORAGE= 600 S.F.
TRASH ENCLOSURE
STORAGE = 162 S.F.

OCCUPANCY: REFER TO SHEET A 1.9 & A 1.10 - EGRESS PLANS
- A-2 : ASSEMBLY: NO FIXED SEATS, UNCONCENTRATED = 76 OCC
- A-2 : KITCHENS & COMMERCIAL = 4 OCC
- B: BUSINESS OPERATIONS = 3 OCC.
- F-2: FACTORY-LOW HAZARD/WAREHOUSE = 16 OCC
- S-2: MEZZANINE, STORAGE = 9 OCC.
- U: TRASH ENCLOSURE = 1 OCC.

FIRE SEPARATION DISTANCE:

	DISTANCE*	FIRE RATING
BUILDING A =	8 FT	1 HR
BUILDING B =	8 FT	1 HR
BUILDING C =	15 FT OR MORE	-
TRASH ENCLOSURE =	10 FT	1 HR

*HORIZONTAL DISTANCE TO IMAGINARY LINE OF EACH BUILDING

FIRE SPRINKLERS: ALL LISTED BUILDINGS BELOW TO HAVE FIRE SPRINKLERS INSTALLED:
- BUILDING A
- BUILDING B

TYPE OF CONSTRUCTION: TYPE II-B (FULLY SPRINKLERED)

PARKING: REFER TO SHEET A 0.2 - PARKING AND ZONING EXHIBITS

APPLICABLE CODES
- 2022 CALIFORNIA BUILDING CODE
- 2022 CALIFORNIA GREEN BUILDING CODE
- 2022 CALIFORNIA HISTORICAL BUILDING CODE
- 2022 CALIFORNIA ELECTRICAL CODE
- 2022 CALIFORNIA MECHANICAL CODE
- 2022 CALIFORNIA PLUMBING CODE
- 2022 CALIFORNIA TITLE 24
- 2022 CALIFORNIA FIRE CODE

DEFERRED SUBMITTALS

THE DEFERRED SUBMITTAL(S) ARE TO BE REVIEWED BY THE PROJECT ARCHITECT OR ENGINEER OF RECORD AND CERTIFIED PRIOR TO SUBMITTAL FOR PLAN CHECK. THE DEFERRED SUBMITTAL ITEM(S) SHALL BE MADE DIRECTLY TO RIVERSIDE COUNTY FIRE DEPARTMENT:

- PRIVATE FIRE MAIN
- FIRE SPRINKLER SYSTEM
- FIRE SPRINKLER MONITORING SYSTEM
- SOLAR SYSTEM - BUILDING B

SHEET INDEX

#	NAME
P2.0	PLUMBING NOTES, LEGENDS & SCHEDULES
P3.0	PLUMBING DETAILS
TITLE-24	
T1.0	TITLE-24 BUILDING A ENERGY CALCULATIONS
T1.1	TITLE-24 BUILDING A ENERGY CALCULATIONS & SOLAR AND BATTERY
T1.2	TITLE-24 BUILDING B ENERGY CALCULATIONS
T1.3	TITLE-24 BUILDING B ENERGY CALCULATIONS
T1.4	TITLE-24 BUILDING C ENERGY CALCULATIONS
GLYCOL	
GPP 1	PIPING DETAILS
GPP 2	TANK DETAILS
KITCHEN EQUIPMENT	
K-2	BUILDING A FOOD SERVICE EQUIPMENT PLAN
K-3	BUILDING B FOOD SERVICE EQUIPMENT PLAN
K-4	ELECTRICAL/PLUMBING ROUGH-IN PLAN
K-5	ELECTRICAL/PLUMBING ROUGH-IN PLAN

STUDIO ONE

GENERAL INFORMATION

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HAHN
9/30/25

DESIGNER: STUDIO ONE

JOB NO. *S1|441.00*

REVISIONS

NO.	DESCRIPTION	DATE
4	2ND FIRE DEPARTMENT COMMENTS	09/25/24
5	3RD B&S PLAN CHECK	11/01/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

A 0.0

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PROJECT DESCRIPTION

THE PURPOSE OF THIS PROJECT IS TO CONSTRUCT A CLASS II WINERY ON APPROXIMATELY 10.15 GROSS ARES. THE PROPOSED CLASS II WINERY TO INCLUDE TASTING ROOMS, OFFICE, PRODUCTION FACILITY, AND DELICASTESSEN, TO BE DEVELOPED IN ONE PHASE.

PROJECT SCOPE

THE PROJECT IS TO DEVELOP A WINERY ON THE 10.15 ACRE PROPERTY.
THE PROPOSED IMPROVEMENTS TO THE PROPERTY ARE:

- A VINEYARD WHICH SHALL BE A MINIMUM OF 75% OF THE PROPERTY AREA.
- A WINE PRODUCTION AND BARREL STORAGE FACILITY (CLASS II WINERY TO PRODUCE MIN. 3,500 GALLONS OF WINE ANNUALLY AS DETERMINED BY THE COUNTY AGRICULTURAL COMMISSIONER.)
- A WINE TASTING ROOM, CAFE/KITCHEN, CLUB ROOM, AND STAFF OFFICES.

OPERATIONAL STATEMENT

WINERY OPERATIONAL HOURS FOR TASTING ROOMS AND DELICATESSEN WILL BE SUN - THURSDAY FROM 10:00AM TO 7:00PM & FRIDAY - SATURDAY FROM 10:00AM TO 8:00PM. ANY MEMBERS ACTIVITIES, QUARTERLY PICK-UP EVENTS WILL NOT RUN CONCURRENTLY WITH NORMAL WINERY OPERATIONS. WINE CLUB RELATED ACTIVITIES WILL BE HELD FROM 7PM-10PM. THE MAXIMUM NUMBER OF EMPLOYEES ON SITE AT ONE TIME IS 12.

HAVEN VINEYARDS DESING NARRATIVE

TEMECULA VALLEY WINE COUNTRY DESIGN GUIDELINES COMPLIANCE

SITE DESIGN AND PLANNING

THE HAVEN VINEYARDS PROJECT HAS BEEN CAREFULLY DESIGNED TO INTEGRATE THE ARCHITECTURE WITH THE LANDSCAPE TOPOGRAPHY OF THE SITE. THE SITE IS FULLY SLOPED WHERE IT HAS A GENTLER SLOPE ALONG THE ROADWAY ALONG THE WEST AND THEN STARTS TO STEEPEN AS YOU GO TOWARD THE EAST. THE BUILDING AND PARKING AREA WAS STUDIED TO MINIMIZE THE DISTURBANCE OF THE EXISTING GRADES AND TO NATURAL STEP INTO THE SLOPE OF THE SITE. THE LOCATION OF THE BUILDING TAKES ADVANTAGE OF SCENIC VIEWS ONTO TO THE SITE THROUGH THE EXISTING VINEYARD AND FROM THE BUILDING LOOKING OUT ACROSS THE VINEYARD TO THE ADJACENT PROPERTIES TO IMMERSE THE USERS INTO THE CONTEXTUAL LANDSCAPE.

THE BUILDING HAS BEEN ELONGATED TO ALIGN WITH THE TOPOGRAPHY TO MINIMIZE THE WIDTH OF THE BUILDING IN WORKING WITH THE SLOPE. THE SITE DESIGN STEPS DOWN THE SITE FROM THE PARKING AREA LEVEL WHICH HAS BEEN SHAPED TO REDUCE THE HEIGHTS OF RETAINING WALLS WITH SOME OF THE PARKING BEING REMOVED ALONG THE DRIVE AND SOME PARKING SPACES BEING PARALLEL PARKING SPACES TO REDUCE THE WITCH OF THE PARKING IN WORKING WITH THE EXISTING GRADES. THE SITE IS TIERED INTO THE SLOPE IN WORKING WITH THE GRADES TO MINIMIZE SITE RETAINING WALLS IN STEPS THE SITE. THE ACCESS ROAD WAS LOCATED TO THE NORTH SIDE OF THE BUILDING TO MINIMIZE THE VISIBILITY OF THE VEHICULAR ACCESS WHILE PROMOTING THE VIEWS OF THE LANDSCAPE WOVEN TOGETHER WITH THE ARCHITECTURE. WHERE GRADING HAS BEEN PROPOSED THE PATTERN HAS BEEN DESIGNED TO BE OF NATURAL FORMS TO BLEND INTO THE EXISTING APPEARANCE.

THE LANDSCAPE DESIGN UTILIZES THE LOCAL PLANT PALETTE FOUND THROUGHOUT TEMECULA WHICH PROVIDES A DIVERSITY OF PLANT MATERIALS UTILIZED AROUND THE ENTRY COURTYARD AND TERRACES STEPPING DOWN THE SITE FROM THE PARKING TO BUILDING WHICH TRANSITIONS TO THE VINEYARD. THE ENTRY DRIVE AND PARKING AREA ALSO INCLUDES TREES LINING THESE ELEMENTS WHICH WILL BE UTILIZED FOR THEIR CANOPY IN SHADING THESE AREAS BUT WILL ALSO INCLUDE OLIVE TREES WHICH WILL BE HARVESTED FOR LOCAL OLIVE OIL PRODUCTION.

ARCHITECTURE

THE ARCHITECTURAL DESIGN FOR THE HAVEN VINEYARDS WAS INSPIRED BY THE AGRICULTURAL HERITAGE OF THIS REGION WHICH REFLECTS THE SCALE, FORMS, MATERIALS, AND TEXTURES WHICH DEFINE THE OVERALL ARCHITECTURAL DESIGN. THE DESIGN FOR THE PROJECT BREAKS DOWN THE OVERALL PROGRAM INTO TWO SEPARATE BUILDINGS – THE WINERY BUILDING (BUILDINGS A, B, C & D) AND THE AGRICULTURAL BUILDING (BUILDINGS E & F). THIS STARTS TO DEVELOP THE OVERALL SCALE AND REDUCES THE VISUAL MASSING FOR THE FACILITY AND HOW THEY ARE INTEGRATED WITH THE SITE DESIGN. THE TWO BUILDINGS ARE SEPARATED BY THE ENTRY DRIVE WHICH CREATES A VIEW CORRIDOR AS YOU ENTER AND DEPART FROM THE SITE. BOTH BUILDINGS ARE FURTHER SCALED DOWN WITH THE USE OF VARYING ROOF FORMS, OPEN COVERED TERRACES, OFFSETS IN PLAN WITH THE MASSING COMPONENTS AND DISTINCTIVE MATERIAL CHANGES TO CREATE MULTIPLE DESIGN LANGUAGES WHICH ARE PROGRAM DRIVEN REFLECTING THE ACTIVITIES WITHIN, WHILE PROVIDING A DIVERSITY OF VISUAL INTEREST IN THE OVERALL DESIGN APPROACH.

THE WINERY BUILDING FORM STARTS WITH THE TWO GABLED PAVILIONS (BUILDINGS A & B) WHICH ARE CLAD IN METAL AND GLASS AS THE SIGNATURE DESIGN ELEMENTS. TO MINIMIZE THE MASSING OUTWARD TOWARD THE ENTRY DRIVE VIEW, THESE FORMS HAVE FULL GLASS ENDS ON THE NORTHWEST ELEVATION TO BE PROMOTE TRANSPARENCY IN THESE SPACES FOR INDOOR/OUTDOOR EXPERIENCES WITH THESE PROGRAM SPACES. THESE FORMS ALSO EXTEND THE INTERIOR WOOD CLADDING TO THE EXTERIOR SURFACES TO FRAME THESE VIEWS. THE DESIGN UTILIZES A DARK STANDING SEAM METAL ROOF WHICH WRAPS DOWN THE VERTICAL FACADES TO REFERENCE AGRICULTURAL BARNS WHICH CREATING A SIMPLICITY IN MATERIALS TO VISUALLY REDUCE THE SCALE. THE GABLED SECTIONS ARE LINKED TOGETHER BY AN OPEN-AIR COVERED PATIO TERRACE WHICH FURTHER BREAKS DOWN THE SCALE OF THE TWO GABLED FORMS AS SMALLER BUILDINGS WITHIN THE HORIZONTAL LANDSCAPE. THE PATIO TERRACE PROJECTS OUT PAST THE BUILDING TO ARTICULATE DEPTH ALONG THE BUILDING ELEVATION WHILE INTRODUCING A THIN ROOF PROFILE TO PROMOTE THE VISUAL BREAK IN THE BUILDING FAÇADE AND FEEL LIGHT AND OPEN AS A DESIGN EXPERIENCE. THE WINERY BUILDING THEN SHIFT FROM THE GABLED FORMS TO THE ARCHITECTURAL CMU (SMOOTH STACK BOND) AND GLASS MASSING ON THE NORTH END (BUILDINGS C &D) WHICH ARE LINKED TOGETHER WITH A COMMON TERRACE TO STEP THE BUILDING FAÇADE INTO THE LANDSCAPE. THE USE OF NATIVE COLORS IN THE CMU IN THESE FACADES PROVIDES THE TEXTURE AND COLORS FOUND IN THE NATURAL LANDSCAPE OF THE REGION. THIS PORTION OF THE BUILDING IS ALSO THE WINEMAKING PROGRAM AND THE USE OF NATURAL EARTH COLORS ON THESE FACADES CRAFTS THE EXPERIENCE AND HISTORY RELATED TO THIS REGION WITH THE ARCHITECTURE. THE BARREL ROOM WITHIN BUILDING D ALSO INCLUDES LARGE VERTICAL GLASS OPENINGS ON THE STONE FAÇADE TO SHOWCASE THE WINEMAKING PRODUCTION WITHIN THIS PORTION OF THE FACILITY. THE OVERALL DESIGN COMPOSITION UTILIZES SEVERAL ROOFS FORMS, ARTICULATED FACADES, THE USE OF LIGHT EARTH COLOR CMU MATERIAL, METAL AND GLASS FINISHES TO CREATE A BALANCED ARCHITECTURAL DESIGN EXPRESSION FOR THE HAVEN VINEYARDS.

THE AGRICULTURAL BUILDING (BUILDING E & F) HAS BEEN LOCATED ON THE NORTHEAST SITE OF THE SITE AND HAS BEEN PULLED FORWARD SO THAT IT HAS GOOD ACCESS TO THE VINEYARD BUT TO ALSO STEP FURTHER DOWN THE SLOPE IN PROVIDING VARIATION IN HOW THE ARCHITECTURE AND LANDSCAPE ARE INTEGRATED VISUALLY. THE BUILDING MASSING STEPS DOWN WITH THE TOPOGRAPHY OF THE SITE AS TWO SLOPED ROOF FORMS WHICH TRANSITION DOWN TO A ARCHITECTURAL CMU WALL TO SCREEN THE AGRICULTURAL EXTERIOR STORAGE PAD FROM VIEW. THESE BUILDINGS HAVE A SIMPLIFIED MATERIAL PALETTE UTILIZING STANDING SEAM METAL ROOFS AND VERTICAL SIDING WHILE PROVIDING TRANSPARENCY WITH THE GLASS WINDOW OPENINGS, CLERESTORY WINDOWS AND GLASS GARAGE DOORS TO BREAK DOWN THE FAÇADE SCALES AND CONNECT WITH THE OUTDOORS.

SITE DATA

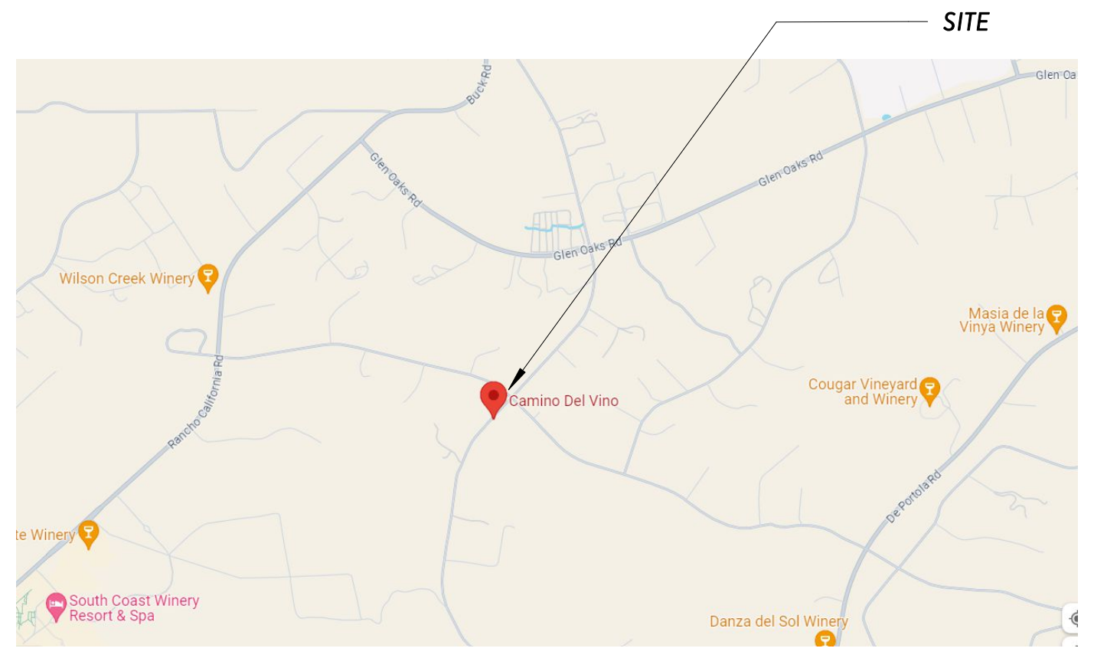
PROJECT ADDRESS:	41699 CAMINO DEL VINO TEMECULA, CA 92592	
APN NO:	927-670-009	
NET LOT SIZE:	9.26 ACRES	
GROSS LOT SIZE:	10.15 ACRES	
LEGAL DESCRIPTION:		
	RECORDED BOOK/PAGE:	PM 142/50
	SUBDIVSION NAME:	PM 18439
	LOT/PARCEL:	3
CITY BOUNDARY:	NOT IN A CITY	
ZONE:	(ORD. 348) WC-W, CZ NUMBER 7929	
SPECIAL PLANS:	N/A	
LAND USE:	AGRICULTURE	
GENERAL PLAN:	TEMECULA VALLEY WINE COUNTRY POLICY DISTRICT (WINERY DISTRICT).	
FIRE HAZARD ZONE:	(ORD. 787) - VERY HIGH, FIRE RESPONSIBILITY AREA	
FAULT ZONE:	N.A	
F.A.R.	N.A	
SETBACKS:	PER ORDINANCE 348 SECTION 14.93: PROPERTY IS LOCATED NEXT TO DE PORTOLA ROAD & CAMINO DEL VINO ROAD FRONT YARD = 100'-0" SIDE YARD = 30'-0" REAR YARD = 30'-0"	
NUMBER OF STORIES / HEIGHT:	PER ORDINANCE 348 SECTION 14.93: -/ 40'-0" MAX ALLOWED FOR A BUILDING -/ 50'-0" MAX ALLOWED FOR A STRUCTURE	
WINERY:	PERMIT CLASS II WINERY - 3500 GALLONS OF WINE ANNUALLY VINEYARD REQUIREMENT 75% MIN. OF NET LOT AREA.	
OCCUPANCY:	REFER TO SHEET G2.01 - EGRESS PLANS • A-2 : ASSEMBLY: NO FIXED SEATS, UNCONCENTRATED =271 OCC • A-2 : KITCHENS & COMMERCIAL = 4 OCC • B: BUSINESS OPERATIONS = 5 OCC. • B: LABORATORIES, NON EDUCATIONAL = 2 OCC. • F-2: FACTORY - LOW HAZARD/WAREHOUSE = 3 OCC. • S-2: WAREHOUSE = 3 OCC. • S-2: ACCESSORY STORAGE AREAS = 7 OCC.	
PARKING:	REFER TO SHEET A 0.2 - PARKING AND ZONING EXHIBITS	
TYPE OF CONSTRUCTION:	TYPE II-B (FULLY SPRINKLERED)	
FLOOR AREA:	REFER TO A 0.2 - AREA PLANS	
	BUILDING A TASTING ROOM, BAR, RESTROOMS, WASH ZONE, OFFICE = 2,800 S.F. BUILDING B BARREL ROOM, PRODUCTION PAD, OFFICE, KITCHEN, CRUSH PAD= 3,740 S.F. BUILDING C STORAGE= 600 S.F. TRASH ENCLOSURE STORAGE = 162 S.F.	

NOTE: ALL BUILDING AREAS ABOVE ARE GROSS AREAS (NOT NET) AND INCLUDE NON-INHABITABLE AREAS SUCH AS WALL THICKNESSES, VOIDS, ETC. FOR THIS REASON, THESE AREAS ARE NOT TO BE USED FOR OCCUPANCY OR PARKING CALCULATIONS.

SCHOOL DISTRICT:	TEMECULA VALLEY UNIFIED
COMMUNITIES:	RANCHO CALIFORNIA
LIGHTING:	(ORD 655) ZONE A
POWER PROVIDED:	SOUTHERN CALIFORNIA EDISON
WELL WATER PERMIT:	N.A.
SEPTIC PERMIT:	SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD
WATER DISTRICT:	RANCHO CALIFORNIA WATER DISTRICT
SEWER DISTRICT:	EASTERN MUNICIPAL DISTRICT
~~FLOOD CONTROL:~~	~~DISTRICT RIVERSIDE COUNTY FLOOD CONTROL DISTRICT~~
GOVERNING CODES:	THESE PLANS AND ALL WORK SHALL COMPLY WITH COUNTY OF RIVERSIDE ZONING ORDINANCE, THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE FOUND IN STATE OF CALIFORNIA TITLE 24 CCR AS AMENDED AND ADOPTED BY THE COUNTY OF RIVERSIDE. THE 2022 EDITIONS OF THE CALIFORNIA BUILDING CODES SHALL APPLY: • 2022 CALIFORNIA BUILDING CODE • 2022 CALIFORNIA GREEN BUILDING CODE • 2022 CALIFORNIA HISTORICAL BUILDING CODE • 2022 CALIFORNIA ELECTRICAL CODE • 2022 CALIFORNIA MECHANICAL CODE • 2022 CALIFORNIA PLUMBING CODE • 2022 CALIFORNIA TITLE 24 • 2022 CALIFORNIA FIRE CODE

6

VICINITY MAP



STUDIO ONE

CODE ANALYSIS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HANN
C-25663
REN. 9/30/25

DESIGNER: STUDIO ONE

JOB NO.	***S1/441.00***	

REVISIONS

NO.	DESCRIPTION	DATE
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

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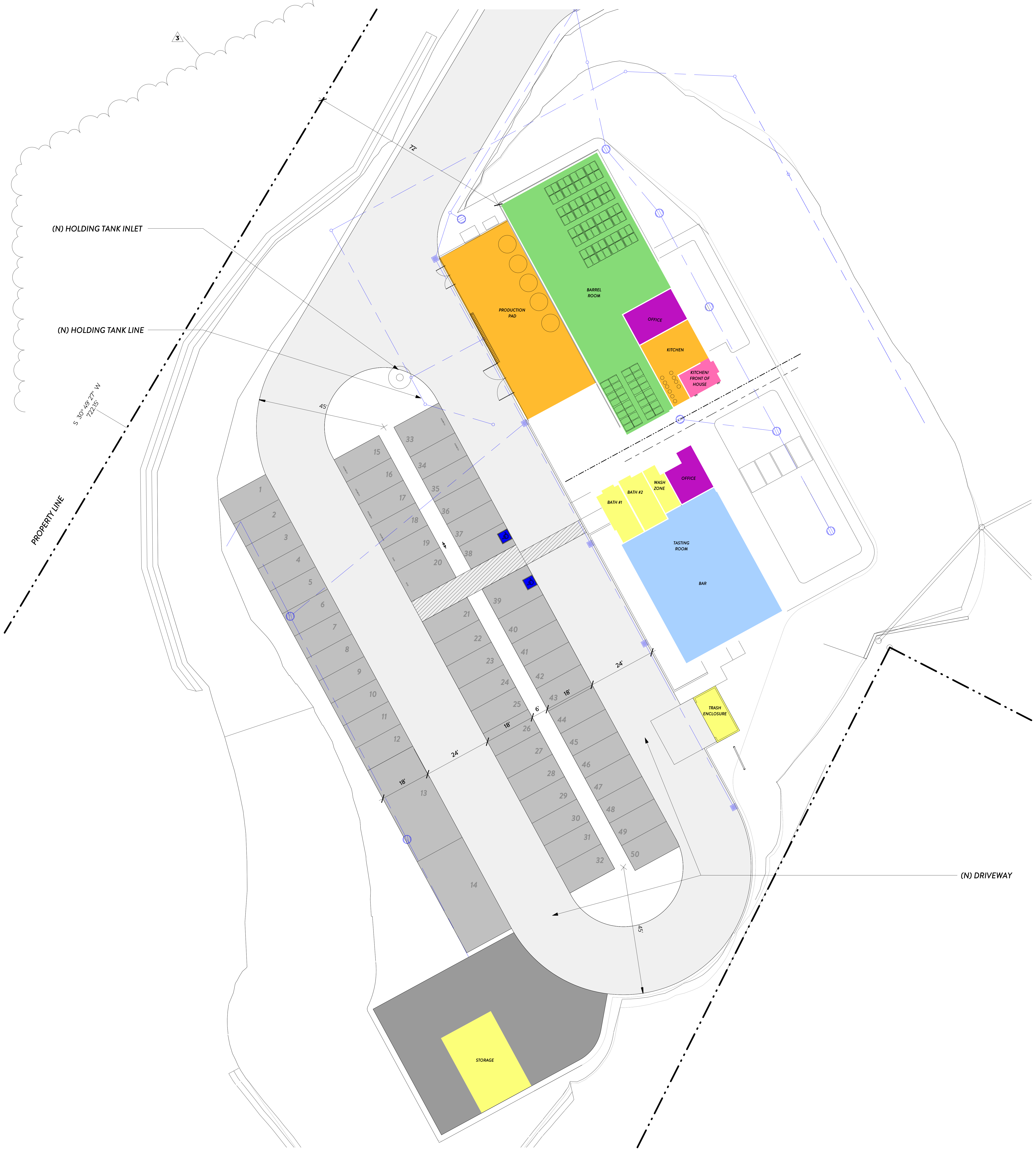

1 PARKING AND PROGRAM PLAN
1/16" = 1'-0"

10

BUSINESS PLAN AND STATEMENT OF OPERATIONS

HAVEN VINEYARD IS A FAMILY-OWNED AND OPERATED WINERY IN TEMECULA VALLEY, DEDICATED TO BLENDING EXCEPTIONAL VITICULTURE PRACTICES WITH MODERN WINEMAKING TECHNIQUES.

GRAPES WILL BE SOURCED FROM OUR PROPERTIES ACROSS THE VALLEY FLOOR, AS WELL AS PURCHASED FROM SMALL VINEYARD GROWERS IN TEMECULA. ALL GRAPE PROCESSING WILL TAKE PLACE ON THE ONSITE CRUSH PAD, AND WINE WILL BE STORED IN THE CELLAR. NO HAZARDOUS CHEMICALS ARE REQUIRED OR USED DURING THIS PROCESS. THE ELECTRIC FORKLIFT AND OTHER ADJACENT MACHINERY WILL BE SERVICED OFFSITE.

THE ONSITE TASTING EXPERIENCE WILL FOCUS ON EXPLORING THE UNIQUE CHARACTER OF TEMECULA VALLEY. TASTING ROOM HOURS ARE PLANNED FOR WEDNESDAY THROUGH SUNDAY, FROM 11:00 AM TO 6:00 PM. SMALL FOOD PAIRINGS WILL BE AVAILABLE DURING TASTING HOURS.

AT ANY GIVEN TIME, HAVEN VINEYARD WILL HAVE 6 TO 12 EMPLOYEES ON SITE. THESE EMPLOYEES WILL INCLUDE A MIX OF SERVERS, KITCHEN STAFF, WINEMAKERS, AND MANAGEMENT.

3

PARKING REQUIREMENTS

ORD. 348 SECTION 18.12 (A)(2)(b)

SEE PARKING CALC'S AND EXHIBITS BELOW

TOTAL SPACES PROVIDED: 50

ELECTRIC VEHICLE PARKING REQUIREMENTS

ORD. 348 SECTION 18.12 (A)(2)(c)

ALL DEVELOPMENT PROJECTS THAT REQUIRE FIFTY (50) OR MORE PARKING SPACES SHALL DESIGNATE THREE (3) SPACES FOR ELECTRICAL VEHICLES, AND DESIGNATE ONE (1) ADDITIONAL SPACE FOR ELECTRICAL VEHICLES FOR EACH ADDITIONAL FIFTY (50) PARKING SPACES.

2022 CAL GREEN BUILDING STANDARDS CODE CH 5
CLEAN AIR VEHICLES - TABLE 5.106.5.2 (CLEAN AIR)
THE NUMBER OF DESIGNATED PARKING FOR CLEAN AIR VEHICLES PER TABLE 5.106.5.2 IS 6 IF THE TOTAL NUMBER OF PARKING SPACES IS 26-50

3

2022 CAL GREEN BUILDING STANDARDS CODE CH 5
EV CHARGING - TABLE 5.106.5.3.3

THE NUMBER OF DESIGNATED PARKING FOR CLEAN AIR VEHICLES PER TABLE 5.106.5.3.3 IS 4 IF THE TOTAL NUMBER OF PARKING SPACES IS 26-50

TOTAL CLEAN AIR: 4
TOTAL EV SPACES PROVIDED: 2 (OUT OF THE 4 SPACES OF CLEAN AIR, 2 OF THOSE ARE EV CAPABLE & 1 IS ADA)

LOADING SPACE REQUIREMENTS

ORD. 348 SECTION 18.12 (B)

THE MINIMUM LOADING SPACES REQUIRED FOR A 7,500-14,999 SF GROSS FLOOR AREA OF A BUILDING IS 1.

8,260 S.F. IS THE TOTAL GROSS BUILDING AREA

TOTAL SPACES PROVIDED: 1

ADA HANDICAP PARKING REQUIREMENTS

ORD. 348 SECTION 18.12 (C)

26 - 50 TOTAL OF PARKING SPACES REQUIRE A MINIMUM OF 2 SPACES FOR ACCESSIBLE PARKING

2022 CALIFORNIA BUILDING CODE CODE CH 11, TABLE 11B-208.2
THE TOTAL MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES IS 2 IF THE TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY IS FROM 26 - 50

TOTAL ADA SPACES PROVIDED: 2 (1 OF THOSE IS A VAN)

BICYCLE PARKING REQUIREMENTS

ORD. 348 SECTION 18.12 (C)
RESTAURANT AND COCKTAIL LOUNGE DEVELOPMENTS SHALL PROVIDE ONE (1) BICYCLE SPACE FOR EVERY FIFTY (50) PARKING SPACES REQUIRED, WITH A MINIMUM OF TWO (2) BICYCLE SPACES PROVIDED FOR THE DEVELOPMENT. THE BICYCLE SPACES MAY INCLUDE EITHER CLASS I OR CLASS II BICYCLE PARKING FACILITIES.

COMMERCIAL, OFFICE, SERVICE AND OTHER SIMILAR DEVELOPMENTS SHALL PROVIDE ONE (1) EMPLOYEE BICYCLE SPACE FOR EVERY TWENTY-FIVE (25) PARKING SPACES REQUIRED, AND ONE (1) PATRON OR VISITOR BICYCLE SPACE FOR EVERY THIRTY-THREE (33) PARKING SPACES REQUIRED, WITH A MINIMUM OF FOUR (4) BICYCLE SPACES PROVIDED FOR THE DEVELOPMENT. THE BICYCLE SPACES MAY INCLUDE EITHER CLASS I OR CLASS II BICYCLE PARKING FACILITIES.

2022 CAL GREEN BUILDING STANDARDS CODE CH 5
BICYCLE PARKING - SECTION 5.106.4

SHORT TERM BYCICLE PARKING - PROVIDE PERMANENTLY ANCHORED BYCYCLE RACKS WITHIN 200 FT OF VISITORS ENTRANCE, FOR 5% OF NEW VISITOR MOTORIZED VEHICLE PARKING SPACES BEING ADDED.
LONG TERM BYCICLE PARKING - PROVIDE SECURE PARKING FOR 5% OF THE TENANT VEHICULAR SPACES.

SHORT TERM: 5% OF NEW PARKING SPACES = 4
LONG TERM: 5% OF NEW PARKING SPACES = 4

PARKING SPACES REQUIRED NOTES

*1 TOTAL PARKING SPACES REQUIRED = (1 SPACE/45 SF) + (NUMBER OF EMPLOYEES PER SHIFT / 2)

PER PARKING CALCULATIONS PER ORD. NO. 38 SECTION 18.12: FOR RESTAURANT, SERVING AREAS, BARS, AND TASTING AREA USE 1 SPACE PER45 S.F. OF SERVING AREA PLUS 1 SPACE PER 2 EMPLOYEES

*2 TOTAL PARKING SPACES REQUIRED = (1 SPACE/200 SF)

PER PARKING CALCULATIONS PER ORD. NO. 38 SECTION 18.12: GENERAL RETAIL 1 SPACE PER 200 SQUARE FEET OF GROSS FLOOR AREA.

*3 TOTAL PARKING SPACES REQUIRED = NUMBER OF EMPLOYEES PER SHIFT / 2

PER PARKING CALCULATIONS PER ORD. NO. 38 SECTION 18.12:
FOR THE WINE PRODUCTION/BARREL ROOMS AND OFFICE AREA PARKING SPACES WILL BE BASED ON INDUSTRIAL USES. IF THE NUMBER OF EMPLOYEES ARE KNOWN, THE NUMBER OF PARKING WILL BE CALCULATED USING THE PARKING RATIO 1 SPACE PER 2 EMPLOYEES.

LEGEND

🟦	WINERY TASTING ROOM 1,971 SF	🟩	WINERY STORAGE (BARREL ROOM) 2,822 SF
🟥	KITCHEN / FRONT OF HOUSE 115 SF	🟧	WINERY WINE PROCESSING /PRODUCTION/ KITCHEN 2,061 SF
🟪	BUSINESS OPERATIONS (OFFICES, ETC) 1,640 SF	🟨	RESTROOMS, STORAGE, BOH 1,141 SF

ROOM NUMBER	ROOM NAME	AREA
100	BATH #1	164 SF
101	BATH #2	170 SF
102	WASH ZONE	73 SF
103	OFFICE #1	216 SF
104	TASTING ROOM	1588 SF
105	BAR	383 SF
106	MEZZANINE	489 SF
200	PRODUCTION PAD	1760 SF
201	BARREL ROOM	2822 SF
202	OFFICE #2	229 SF
203	KITCHEN	301 SF
204	KITCHEN/FRONT OF HOUSE	115 SF
205	MEZZANINE	706 SF
300	STORAGE	600 SF
400	TRASH ENCLOSURE	134 SF

STUDIO ONE

PARKING AND PROGRAMMING EXHIBITS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HAHN
C-26663
REN. 9/30/25

DESIGNER: STUDIO ONE

JOB NO. S1/441.00

REVISIONS

NO.	DESCRIPTION	DATE
3	2ND B&S PLAN CHECK COMMENTS	08/23/24
10	7TH B&S PLAN CHECK COMMENTS	05/08/25

A 0.2

5/27/2025 8:34:58 AM

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AIA California

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y | N/A | RESPON. PARTY

CHAPTER 3
GREEN BUILDING
SECTION 301 GENERAL

301.1 SCOPE. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless adopted by a city, county, or city and county as specified in Section 101.7.

301.3 NONRESIDENTIAL ADDITIONS AND ALTERATIONS. [BSC-CG] The provisions of individual sections of Chapter 5 apply to newly constructed buildings, building additions of 1,000 square feet or greater, and/or building alterations with a permit valuation of $200,000 or above (for occupancies within the authority of California Building Standards Commission). Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

A code section will be designated by a banner to indicate where the code section only applies to newly constructed buildings [N] or to additions and/or alterations [A]. When the code section applies to both, no banner will be used.

301.3.1 Nonresidential additions and alterations that cause updates to plumbing fixtures only:

Note: On and after January 1, 2014, certain commercial real property, as defined in Civil Code Section 1101.3, shall have its noncompliant plumbing fixtures replaced with appropriate water-conserving plumbing fixtures under specific circumstances. See Civil Code Section 1101.1 *et seq.* for definitions, types of commercial real property affected, effective dates, circumstances necessitating replacement of noncompliant plumbing fixtures, and duties and responsibilities for ensuring compliance.

301.3.2 Waste Diversion. The requirements of Section 5.408 shall be required for additions and alterations whenever a permit is required for work.

301.4 PUBLIC SCHOOLS AND COMMUNITY COLLEGES. (see GBSC)
301.5 HEALTH FACILITIES. (see GBSC)

SECTION 302 MIXED OCCUPANCY BUILDINGS

302.1 MIXED OCCUPANCY BUILDINGS. In mixed occupancy buildings, each portion of a building shall comply with the specific green building measures applicable to each specific occupancy.

SECTION 303 PHASED PROJECTS

303.1 PHASED PROJECTS. For shell buildings and others constructed for future tenant improvements, only those code measures relevant to the building components and systems considered to be new construction (or newly constructed) shall apply.

303.1.1 Initial Tenant improvements. The provisions of this code shall apply only to the initial tenant improvements to a project. Subsequent tenant improvements shall comply with the scoping provisions in Section 301.3 non-residential additions and alterations.

ABBREVIATION DEFINITIONS:

HCD	Department of Housing and Community Development
BSC	California Building Standards Commission
DSA-SS	Division of the State Architect, Structural Safety
OSHPD	Office of Statewide Health Planning and Development
LR	Low Rise
HR	High Rise
AA	Additions and Alterations
N	New

CHAPTER 5
NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 PLANNING AND DESIGN

SECTION 5.101 GENERAL

5.101.1 SCOPE
The provisions of this chapter outline planning, design and development methods that include environmentally responsible site selection, building design, building siting and development to protect, restore and enhance the environmental quality of the site and respect the integrity of adjacent properties.

SECTION 5.102 DEFINITIONS

5.102.1 DEFINITIONS
The following terms are defined in Chapter 2 *(and are included here for reference)*

CUTOFF LUMINAIRES. Luminaires whose light distribution is such that the candela per 1000 lamp lumens does not numerically exceed 25 (2.5 percent) at an angle of 90 degrees above nadir, and 100 (10 percent) at a vertical angle of 80 degrees above nadir. This applies to all lateral angles around the luminaire.

LOW-EMITTING AND FUEL EFFICIENT VEHICLES.
Eligible vehicles are limited to the following:

1. Zero emission vehicle (ZEV), enhanced advanced technology PZEV (enhanced AT ZEV) or transitional zero emission vehicles (TZEV) regulated under CCR, Title 13, Section 1962.
2. High-efficiency vehicles, regulated by U.S. EPA, bearing a fuel economy and greenhouse gas rating od 9 oe 10 as regulated under 40 CFR Section 600 Subpart D.

NEIGHBORHOOD ELECTRIC VEHICLE (NEV). A motor vehicle that meets the definition of "low-speed vehicle" either in Section 385.5 of the Vehicle Code or in 49CFR571.500 (as it existed on July 1, 2000), and is certified to zero-emission vehicle standards.

TENANT-OCCUPANTS. Building occupants who inhabit a building during its normal hours of operation as permanent occupants, such as employees, as distinguished from customers and other transient visitors.

VANPOOL VEHICLE. Eligible vehicles are limited to any motor vehicle, other than a motortruck or truck tractor, designed for carrying more than 10 but not more than 15 persons including the driver, which is maintained and used primarily for the nonprofit work-related transportation of adults for the purpose of ridesharing.

Note: Source: Vehicle Code, Division 1, Section 668

ZEV. Any vehicle certified to zero-emission standards.

SECTION 5.106 SITE DEVELOPMENT

☒ ☐ **5.106.1 STORM WATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB LESS THAN ONE ACRE OF LAND.** Newly constructed projects and additions which disturb less than one acre of land, and are not part of a larger common plan of development or sale, shall prevent the pollution of storm water runoff from the construction activities through one or more of the following measures:

5.106.1.1 Local ordinance. Comply with a lawfully enacted storm water management and/or erosion control ordinance.

5.106.1.2 Best Management Practices (BMPs). Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMPs.

1. Soil loss BMPs that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Scheduling construction activity during dry weather, when possible.
   b. Preservation of natural features, vegetation, soil, and buffers around surface waters.
   c. Drainage swales or lined ditches to control stormwater flow.
   d. Mulching or hydroseeding to stabilize disturbed soils.
   e. Erosion control to protect slopes.
   f. Protection of storm drain inlets (gravel bags or catch basin inserts).
   g. Perimeter sediment control (perimeter silt fence, fiber rolls).
   h. Sediment trap or sediment basin to retain sediment on site.
   i. Stabilized construction exits.
   j. Wind erosion control.
   k. Other soil loss BMPs acceptable to the enforcing agency.
2. Good housekeeping BMPs to manage construction equipment, materials, non-stormwater discharges and wastes that should be considered for implementation as appropriate for each project include, but are not limited to, the following:
   a. Dewatering activities.
   b. Material handling and waste management.
   c. Building materials stockpile management.
   d. Management of washout areas (concrete, paints, stucco, etc.).
   e. Control of vehicle/equipment fueling to contractor's staging area.
   f. Vehicle and equipment cleaning performed off site.
   g Spill prevention and control.
   h. Other housekeeping BMPs acceptable to the enforcing agency.

Y | N/A | RESPON. PARTY

☒ ☐ **5.106.2 STORMWATER POLLUTION PREVENTION FOR PROJECTS THAT DISTURB ONE OR MORE ACRES OF LAND.** Comply with all lawfully enacted stormwater discharge regulations for projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of a larger common plan of development sale.

Note: Projects that (1) disturb one acre or more of land, or (2) disturb less than one acre of land but are part of the larger common plan of development or sale must comply with the post-construction requirements detailed in the applicable National Pollutant Discharge Elimination System (NPDES) General permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities issued by the State Water Resources Control Board or the Lahontan Regional Water Quality Control Board (for projects in the Lake Tahoe Hydrologic Unit).

The NPDES permits require postconstruction runoff (post-project hydrology) to match the preconstruction runoff (pre-project hydrology) with the installation of postconstruction stormwater management measures. The NPDES permits emphasize runoff reduction through on-site stormwater use, interception, evapotranspiration, and infiltration through nonstructural controls, such as Low Impact Development (LID) practices, and conversation design measures. Stormwater volume that cannot be addressed using nonstructural practices is required to be captured in structural practices and be approved by the enforcing agency.

Refer to the current applicable permits on the State Water Resources Control Board website at: www.waterboards.ca.gov/constructionstormwater. Consideration to the stormwater runoff management measures should be given during the initial design process for appropriate integration into site development.

☒ ☐ **5.106.4 BICYCLE PARKING.** For buildings within the authority of California Building Standards Commission as specified in Section 103, comply with Section 5.106.4.1. For buildings within the authority of the Division of the State Architect pursuant to Section 105, comply with Section 5.106.4.2

5.106.4.1 Bicycle parking. [BSC-CG] Comply with Sections 5.106.4.1.1 and 5.106.4.1.2; or meet the applicable local ordinance, whichever is stricter.

5.106.4.1.1 Short-term bicycle parking. If the new project or an addition or alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack.
Exception: Additions or alterations which add nine or less visitor vehicular parking spaces.

5.106.4.1.2 Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5 percent of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.3 For additions or alterations that add 10 or more tenant-occupant vehicular parking spaces, provide secure bicycle parking for 5 percent of the tenant vehicular parking spaces being added, with a minimum of one bicycle parking facility.

5.106.4.1.4 For new shell buildings in phased projects provide secure bicycle parking for 5 percent of the anticipated tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility.

5.106.4.1.5 Acceptable bicycle parking facility for Sections 5.106.4.1.2, 5.106.4.1.3, and 5.106.4.1.4 shall be convenient from the street and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

Note: Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.
5.106.4.2.2 Staff bicycle parking. Provide permanent, secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable bicycle parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

☒ ☐ **5.106.5.3 Electric vehicle (EV) charging**. [N] Construction to provide electric vehicle infrastructure and facilitate electric vehicle charging shall comply with Section 5.106.5.3.1 and shall be provided in accordance with regulations in the California Building Code and the California Electrical Code.

Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcement agency substantiating the local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.
2. Parking spaces accessible only by automated mechanical car parking systems are not required to comply with this code section

5.106.5.3.1 EV capable spaces.
[N] EV capable spaces shall be provided in accordance with Table 5.106.5.3.1 and the following requirements:
1. Raceways complying with the California Electrical Code and no less that 1-inch (25 mm) diameter shall be provided and shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the EV capable and into a suitable listed cabinet, box,enclosure or equivalent. A common raceway may be used to serve multiple EV charging spaces.
2. A service panel or subpanel (s) shall be provided with panel space and electrical load capacity for a dedicated 208/240 volt, 40-ampere minimum branch circuit for each EV capable space, with delivery of 30-ampere minimum to an installed EVSE at each EVCS.
3. The electrical system and any on-site distribution transformers shall have sufficient capacity to supply full rated amperage at each EV capable space.
4. The service panel or subpanel circuit directory shall identify the reserved overcurrent protective devices space(s) as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

Note: A parking space served by electric vehicle supply equipment or designed as a future EV charging space shall count as at least one standard automobile parking space only for the purpose of complying with any applicable minimum parking space requirements established by an enforcement agency. See vehicle Code Section 22511.2 for further details.

TABLE 5.106.5.3.1

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CAPABLE SPACES	NUMBER OF EVCS (EV CAPABLE SPACES PROVIDED WITH EVSE)^2
0-9	0	0
10-25	2	0
26-50	8	2
51-75	13	3
76-100	17	4
101-150	25	6
151-200	35	9
201 AND OVER	20% of total[1]	25% of EV capable spaces[1]

1. Where there is insufficient electrical supply.
2. The number of required EVCS (EV capable spaces provided with EVSE) in column 3 count towards the total number of required EV capable spaces shown in column 2.

5.106.5.3.2 Electric vehicle charging stations (EVCS)
EV capable spaces shall be provided with EVSE to create EVCS in the number indicated in Table 5.106.5.3.1. The EVCS required by Table 5.106.5.3.1 may be provided with EVSE in any combination of Level 2 and Direct Current Fast Charging (DCFC), except that at least one Level 2 EVSE shall be provided.

One EV charger with multiple connectors capable of charging multiple EVs simultaneously shall be permitted if the electrical load capacity required by Section 5.106.5.3.1 for each EV capable space is accumulatively supplied to the EV charger.

The installation of each DCFC EVSE shall be permitted to reduce the minimum number of required EV capable spaces without EVSE by five and reduce proportionally the required electrical load capacity to the service panel or subpanel.

Y | N/A | RESPON. PARTY

5.106.5.3.3 Use of automatic load management systems (ALMS).
ALMS shall be permitted for EVCS. When ALMS is installed, the required electrical load capacity specified in Section
5.106.5.3.1 for each EVCS may be reduced when serviced by an EVSE controlled by an ALMS. Each EVSE controlled by an ALMS shall deliver a minimum 30 amperes to an EV when charging one vehicle and shall deliver a minimum 3.3 kW while simultaneously charging multiple EVs.

5.106.5.3.4 Accessible EVCS.
When EVSE is installed, accessible EVSC shall be provided in accordance with the *California Building Code*, Chapter 11B, Section 11B-228.3.
Note: For EVCS signs, refer to Caltrans Traffic Operations Policy Directive 13-01 (Zero Emission Vehicle Signs and Pavement Markings) or its successor(s).

5.106.5.4 Electric Vehicle (EV) charging: medium-duty and heavy-duty. [N]
Construction shall comply with section 5.106.5.4.1 to facilitate future installation of electric vehicle supply equipment (EVSE). Construction for warehouses, grocery stores and retail stores with planned off-street loading spaces shall also comply with Section 5.106.5.4.1 for future installation of medium- and heavy-duty EVSE.
Exceptions:
1. On a case-by-case basis where the local enforcing agency has determined compliance with this section is not feasible based upon one of the following conditions:
   a. Where there is no local utility power supply.
   b. Where the local utility is unable to supply adequate power.
   c. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.

When EVSE(s) is/are installed, it shall be in accordance with the *California Building Code*, the *California Electrical Code* and as follows:

5.106.5.4.1 Electric vehicle charging readiness requirements for warehouse, grocery stores and retail stores with planned off-street loading spaces.
[N] In order to avoid future demolition when adding EV charging supply and distribution equipment, spare raceways(s) or busway(s) and adequate capacity for transformers(s), service panels(s) or subpanel(s) shall be installed at the time of construction in accordance with the California Electrical Code. Construction plans and specifications shall include but are not limited to, the following:
1. The transformer, main service equipment and subpanel shall meet the minimum power requirement in Table 5.106.5.4.1 to accommodate the dedicated branch circuits for the future installation of EVSE.
2. The construction documents shall indicate on or more location(s) convenient to the planned offstreet loading space(s) reserved for medium-and heavy-duty ZEV charging cabinets and charging dispensers, and a pathway reserved for routing of conduit from the termination of the raceway(s) or busway(s) to the charging cabinet(s) and dispenser(s) as shown in Table 5.106.5.4.1
3. Raceway(s) or busway(s) originating at a main service panel or a subpanel(s) serving the area where potential future medium-and heavy-duty EVSE will be located and shall terminate in close proximity to the potential future location of the charging equipments for medium- and heavy-duty vehicles.
4. The raceway(s) or busway(s) shall be sufficient size to carry the minimum additional system load to the future location of the charging for medium- and heavy-duty ZEVs as shown in Table 5.106.5.4.1.

TABLE 5.106.5.4.1 RACEWAY CONDUIT AND PANEL POWER REQUIREMENTS FOR MEDIUM- AND HEAVY-DUTY EVSE [N]

BUILDING TYPE	BUILDING SIZE (SQ. FT.)	NUMBER OF OFF-STREET LOADING SPACES	ADDITIONAL CAPACITY REQUIRED (KVA) FOR RACEWAY & BUSWAY AND TRANSFORMER & PANEL
Grocery	10,000 to 90,000	1 or 2	200
		3 or Greater	400
	Greater than 90,000	1 or Greater	400
Retail	10,000 to 135,000	1 or 2	200
		3 or Greater	400
	Greater than 135,000	1 or Greater	400
Warehouse	20,000 to 256,000	1 or 2	200
		3 or Greater	400
	Greater than 256,000	1 or Greater	400

☐ ☒ **5.106.8 LIGHT POLLUTION REDUCTION. [N].** I Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and
2. Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8);
3. Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and
4. Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Sections 130.2 (b) and 140.7 of the California Energy Code.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.
5. Luminaires with less than 6,200 initial luminaire lumens.

TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS [1,2]

ALLOWABLE RATING	LIGHTING ZONE LZ0	LIGHTING ZONE LZ1	LIGHTING ZONE LZ2	LIGHTING ZONE LZ3	LIGHTING ZONE LZ4
MAXIMUM ALLOWABLE BACKLIGHT RATING [3]					
Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit
Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4
Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3
Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2
MAXIMUM ALLOWABLE UPLIGHT RATING (U)					
For area lighting [3]	N/A	U0	U0	U0	U0
For all other outdoor lighting,including decorative luminaires	N/A	U1	U2	U3	UR
MAXIMUM ALLOWABLE GLARE RATING [5] (G)					
MAXIMUM ALLOWABLE GLARE RATING [5] (G)	N/A	G1	G2	G3	G4
MAXIMUM ALLOWABLE GLARE RATING [5] (G)	N/A	G0	G1	G1	G2
MAXIMUM ALLOWABLE GLARE RATING [5] (G)	N/A	G0	G0	G1	G1
MAXIMUM ALLOWABLE GLARE RATING [5] (G)	N/A	G0	G0	G0	G1

Y | N/A | RESPON. PARTY

1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the *California Energy Code* and Chapter 10 of the *Callifornia Administrative Code.*

2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.

3. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaries located in these areas shall meet *U*-value limits for "all other outdoor lighting"

5.106.8.1 Facing- Backlight
Luminaries within 2MH of a property line shall be oriented so that the nearest property line is behind the fixture, and shall comply with the backlight rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point of that property line.
Exception: Corners. If two property lines (or two segments of the same property line) have equidistant point to the luminaire, then the luminaire may be oriented so that the intersection of the two lines (the corner) is directly behind the luminaire. The luminaire shall still use the distance to the nearest points(s) on the property lines to determine the required backlight rating.

5.106.8.2 Facing-Glare.
For luminaires covered by 5.106.8.1, if a property line also exists within or extends into the front hemisphere within 2MH of the luminaire then the luminaire shall comply with the more stringent glare rating specified in Table 5.106.8 based on the lighting zone and distance to the nearest point on the nearest property line within the front hemisphere.

Note: [N]
1.See also *California Building Code*, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways.
2.Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the *California Building Code* for requirements for additions and alterations.

☒ ☐ **5.106.10 GRADING AND PAVING.** Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.
   Exception: Additions and alterations not altering the drainage path.

☒ ☐ **5.106.12 SHADE TREES [DSA-SS].** Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.

Exceptions: Surface parking area covered by solar photovoltaic shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.

5.106.12.2 Landscape areas. Shade tress plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.

Exceptions: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.

Exceptions:
1. Walks, hardscape areas covered by solar photovoltaic shade structures or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5 shall be permitted in whole or in part in lieu of shade tree planting.
2. Designated and marked play areas of organized sport activity are not included in the total area calculation.

DIVISION 5.2 ENERGY EFFICIENCY

SECTION 5.201 GENERAL

5.201.1 Scope [BSC-CG]. ***California Energy Code [DSA-SS]*.** For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.

DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION

SECTION 5.301 GENERAL

5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.

SECTION 5.302 DEFINITIONS

5.302.1 Definitions. The following terms are defined in Chapter 2 *(and are included here for reference)*

EVAPOTRANSPIRATION ADJUSTMENT FACTOR (ETAF) [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which ae two major influences on the amount of water that needs to be applied to the landscape.

FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.

METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.

GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscaped area and climatological parameters.

MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWELO). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWELO, or adopt a local ordinance at least as effective as the MWELO.

POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.

POTABLE WATER. [HCD] Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.

RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.

SUBMETER. [HCD 1] A secondary device beyond a meter that measures water consumption of an individual rental unit within a multiunit residential structure or mixed-use residential and commercial structure. (See Civic Code Section 1954.202 (g) and Water code Section 517 for additional details.)

WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWELO).

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

STUDIO ONE

GREEN BUILDING CODE
HAVEN VINEYARD - NO. 240015
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GREGORY SCOTT HANN
REN. 9/30/25

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
1	1ST B&S & PLAN CHECK COMMENTS	05/24/24

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AIA California

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 2 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y N/A RESPON. PARTY

SECTION 5.303 INDOOR WATER USE

☐ ☒ **5.303.1 METERS.** Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.

5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:

1. For each individual leased, rented or other tenant space within the building projected to consume more than 100 gal/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
2. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems:
   a. Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s).
   b. Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s).
   c. Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW).

5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.

☒ ☐ **5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS.** Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

☒ ☐ **5.303.3.1 Water Closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.

☒ ☐ **5.303.3.2.1 Wall-mounted Urinals.** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.

☐ ☒ **5.303.3.3 Showerheads. [BSC-CG]**

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.
Note: A hand-held shower shall be considered a showerhead.

☒ ☐ **5.303.3.4 Faucets and fountains.**

5.303.3.4.1 Nonresidential Lavatory faucets. Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per minute/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.3.4.6 Pre-rinse spray value
When installed, shall meet the requirements in the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) Table H-2, Section 1605.3 (h)(4)(A), and Section 1607 (d)(7), and shall be equipped with an integral automatic shutoff.

FOR REFERENCE ONLY: The following table and code section have been reprinted from the *California Code of Regulations*, Title 20 (Appliance Efficiency Regulations), Section 1605.1 (h)(4) and Section 1605.3 (h)(4)(A).

TABLE H-2

STANDARDS FOR COMMERCIAL PRE-RINSE SPRAY VALUES MANUFACTURED ON OR AFTER JANUARY 28, 2019

PRODUCT CLASS [spray force in ounce force (ozf)]	MAXIMUM FLOW RATE (gpm)
Product Class 1 (≤ 5.0 ozf)	1.00
Product Class 2 (> 5.0 ozf and ≤ 8.0 ozf)	1.20
Product Class 3 (> 8.0 ozf)	1.28

☒ ☐ **5.303.4 COMMERCIAL KITCHEN EQUIPMENT.**

5.303.4.1 Food Waste Disposers. Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/no-load) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water.
Note: This code section does not affect local jurisdiction authority to prohibit or require disposer installation.

5.303.5 AREAS OF ADDITION OR ALTERATION. For those occupancies within the authority of the California Building Standards Commission as specified in Section 103, the provisions of Section 5.303.3 and 5.303.4 shall apply to new fixtures in additions or areas of alteration to the building.

5.303.6 STANDARDS FOR PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 OUTDOOR WATER USE

☒ ☐ **5.304.1 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent.

Notes:
1. The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.
2. MWELO and supporting documents, including a water budget calculator, are available at: https://www.water.ca.gov/.

☒ ☐ **5.304.6 OUTDOOR POTABLE WATER USE IN LANDSCAPE AREAS.** For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the evapotranspiration adjustment factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 MATERIAL CONSERVATION AND RESOURCE EFFICIENCY

SECTION 5.401 GENERAL

5.401.1 SCOPE. The provisions of this chapter shall outline means of achieving material conservation and resource efficiency through protection of buildings from exterior moisture, construction waste diversion, employment of techniques to reduce pollution through recycling of materials, and building commissioning or testing and adjusting.

Y N/A RESPON. PARTY

SECTION 5.402 DEFINITIONS

5.402.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ADJUST. To regulate fluid flow rate and air patterns at the terminal equipment, such as to reduce fan speed or adjust a damper.

BALANCE. To proportion flows within the distribution system, including sub-mains, branches and terminals, according to design quantities.

BUILDING COMMISSIONING. A systematic quality assurance process that spans the entire design and construction process, including verifying and documenting that building systems and components are planned, designed, installed, tested, operated and maintained to meet the owner's project requirements.

ORGANIC WASTE. Food waste, green waste, landscape and pruning wste, nonhazardous wood waste, and food soiled paper waste that is mixed in with food waste.

TEST. A procedure to determine quantitative performance of a system or equipment

SECTION 5.407 WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 WEATHER PROTECTION. Provide a weather-resistant exterior wall and foundation envelope as required by California Building Code Section 1402.2 (Weather Protection), manufacturer's installation instructions or local ordinance, whichever is more stringent.

☒ ☐ **5.407.2 MOISTURE CONTROL.** Employ moisture control measures by the following methods.

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Install flashings integrated with a drainage plane.

SECTION 5.408 CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

☒ ☐ **5.408.1 CONSTRUCTION WASTE MANAGEMENT.** Recycle and/or salvage for reuse a minimum of 65% of the non-hazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.
2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

5.408.1.2 Waste Management Company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65% minimum requirement as approved by the enforcing agency.

5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Sections 5.408.1.1, through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located www.dgs.ca.gov/BSC/Resources/Page-Content/Building-Standards-Commission-Resources-List-Folder/CALGreen may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

☒ ☐ **5.408.2 UNIVERSAL WASTE. [A]** Additions and alterations to a building or tenant space that meet the scoping provisions in Section 301.3 for nonresidential additions and alterations, shall require verification that Universal Waste items such as fluorescent lamps and ballast and mercury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. A list of prohibited Universal Waste materials shall be included in the construction documents.

Note: Refer to the Universal Waste Rule link at: http://www.dtsc.ca.gov/universalwaste/

5.408.3 EXCAVATED SOIL AND LAND CLEARING DEBRIS. 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

Exception: Reuse, either on or off-site, of vegetation or soil contaminated by disease or pest infestation.

Notes:

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material.
2. For a map of know pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. (www.cdfa.ca.gov)

SECTION 5.410 BUILDING MAINTENANCE AND OPERATIONS

☒ ☐ **5.410.1 RECYCLING BY OCCUPANTS.** Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption in Public Resources Code 42649.82 (a)(2)(A) et seq. shall also be exempt from the organic waste portion of this section.

5.410.1.1 Additions. All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30% or more in floor area, shall provide recycling areas on site.

Exception: Additions within a tenant space resulting in less than a 30% increase in the tenant space floor area.

5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code.* Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's web site.

Y N/A RESPON. PARTY

☐ ☒ **5.410.2 COMMISSIONING. [N] New buildings 10,000 square feet and over.** For new buildings 10,000 square feet and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements. Commissioning shall be performed in accordance with this section by trained personnel with experience on projects of comparable size and complexity. For I-occupancies that are not regulated by OSHPD or for I-occupancies and L-occupancies that are not regulated y the California Energy Code Section 100.0 Scope, all requirements in Sections 5.410.2 through 5.410.2.6 shall apply.

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting systems and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements

Commissioning requirements shall include:

1. Owner's or Owner representative's project requirements.
2. Basis of design.
3. Commissioning measures shown in the construction documents.
4. Commissioning plan.
5. Functional performance testing.
6. Documentation and training.
7. Commissioning report.

Exceptions:

1. Unconditioned warehouses of any size.
2. Areas less than 10,000 square feet used for offices or other conditioned accessory spaces within unconditioned warehouses.
3. Tenant improvements less than 10,000 square feet as described in Section 303.1.1.
4. Open parking garages of any size, or open parking garage areas, of any size, within a structure.

Note: For the purposes of this section, unconditioned shall mean a building, area, or room which does not provide heating and or air conditioning.

Informational Notes:

1. IAS AC 476 is an accreditation criteria for organizations providing training and/or certification of commissioning personnel. AC 476 is available to the Authority Having Jurisdiction as a reference for qualifications of commissioning personnel. AC 476 des not certify individuals to conduct functional performance tests or to adjust and balance systems.
2. Functional performance testing for heating, ventilation, air conditioning systems and lighting controls must be performed in compliance with the *California Energy Code*.

5.410.2.1 Owner's or Owner Representative's Project Requirements (OPR). [N] The expectations and requirements of the building appropriate to its phase shall be documented before the design phase of the project begins. This documentation shall include the following:
1. Environmental and sustainability goals.
2. Building sustainable goals.
3. Indoor environmental quality requirements.
4. Project program, including facility functions and hours of operation, and need for after hours operation.
5. Equipment and systems expectations.
6. Building occupant and operation and maintenance (O&M) personnel expectations.

5.410.2.2 Basis of Design (BOD). [N] A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover the following systems:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse system.

5.410.2.3 Commissioning plan. [N] Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following:
1. General project information.
2. Commissioning goals.
3. Systems to be commissioned. Plans to test systems and components shall include:
   a. An explanation of the original design intent.
   b. Equipment and systems to be tested, including the extent of tests.
   c. Functions to be tested.
   d. Conditions under which the test shall be performed.
   e. Measurable criteria for acceptable performance.
4. Commissioning team information.
5. Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

5.410.2.4 Functional performance testing. [N] Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, the testing methods utilized, and include any readings and adjustments made.

5.410.2.5 Documentation and training. [N] A Systems Manual and Systems Operations Training are required, including Occupational Safety and Health Act (OSHA) requirements in *California Code of Regulations* (CCR), Title 8, Section 5142, and other related regulations.

5.410.2.5.1 Systems manual. [N] Documentation of the operational aspects of the building shall be completed within the systems manual and delivered to the building owner or representative. The systems manual shall include the following:
1. Site information, including facility description, history and current requirements.
2. Site contact information.
3. Basic operations and maintenance, including general site operating procedures, basic troubleshooting, recommended maintenance requirements, site events log.
4. Major systems.
5. Site equipment inventory and maintenance notes.
6. A copy of verifications required by the enforcing agency or this code.
7. Other resources and documentation, if applicable.

5.410.2.5.2 Systems operations training. [N] A program for training of the appropriate maintenance staff for each equipment type and/or system shall be developed and documented in the commissioning report and shall include the following:
1. System/equipment overview (what it is, what it does and with what other systems and/or equipment it interfaces).
2. Review and demonstration of servicing/preventive maintenance.
3. Review of the information in the Systems Manual.
4. Review of the record drawings on the system/equipment.

5.410.2.6 Commissioning report. [N] A report of commissioning process activities undertaken through the design and construction phases of the building project shall be completed and provided to the owner or representative.

☒ ☐ **5.410.4 TESTING AND ADJUSTING. New buildings less than 10,000 square feet.** Testing and adjusting of systems shall be required for new buildings less than 10,000 square feet or new systems to serve an addition or alteration subject to Section 303.1.

5.410.4.2 (Reserved)

Note: For energy-related systems under the scope (Section 100) of the California Energy Code, including heating, ventilation, air conditioning (HVAC) systems and controls, indoor lighting system and controls, as well as water heating systems and controls, refer to California Energy Code Section 120.8 for commissioning requirements and Sections 120.5, 120.6, 130.4, and 140.9(b)3 for additional testing requirements of specific systems.

5.410.4.2 Systems. Develop a written plan of procedures for testing and adjusting systems. Systems to be included for testing and adjusting shall include at a minimum, as applicable to the project:

1. Renewable energy systems.
2. Landscape irrigation systems.
3. Water reuse systems.

5.410.4.3 Procedures. Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system.

5.410.4.3.1 HVAC balancing. In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, the system shall be balanced in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the enforcing agency.

Y N/A RESPON. PARTY

5.410.4.4 Reporting. After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services.

5.410.4.5 Operation and maintenance (O & M) manual. Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O & M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations.

5.410.4.5.1 Inspections and reports. Include a copy of all inspection verifications and reports required by the enforcing agency.

DIVISION 5.5 ENVIRONMENTAL QUALITY

SECTION 5.501 GENERAL

5.501.1 SCOPE. The provisions of this chapter shall outline means of reducing the quantity of air contaminants that are odorous, irritating, and/or harmful to the comfort and well-being of a building's installers, occupants and neighbors.

SECTION 5.502 DEFINITIONS

5.502.1 DEFINITIONS. The following terms are defined in Chapter 2 *(and are included here for reference)*

ARTERIAL HIGHWAY. A general term denoting a highway primarily for through traffic usually on a continuous route.

A-WEIGHTED SOUND LEVEL (dBA). The sound pressure level in decibels as measured on a sound level meter using the internationally standardized A-weighting filter or as computed from sound spectral data to which A-weighting adjustments have been made.

1 BTU/HOUR. British thermal units per hour, also referred to as Btu. The amount of heat required to raise one pound of water one degree Fahrenheit per hour, a common measure of heat transfer rate. A ton of refrigeration is 12,000 Btu, the amount of heat required to melt a ton (2,000 pounds) of ice at 32^0 Fahrenheit.

COMMUNITY NOISE EQUIVALENT LEVEL (CNEL). A metric similar to the day-night average sound level (Ldn), except that a 5 decibel adjustment is added to the equivalent continuous sound exposure level for evening hours (7pm to 10pm) in addition to the 10 dB nighttime adjustment used in the Ldn.

COMPOSITE WOOD PRODUCTS. Composite wood products include hardwood plywood, particleboard and medium density fiberboard. "Composite wood products" does not include hardboard, structural plywood, structural panels, structural composite lumber, oriented strand board, glued laminated timber, timber, prefabricated wood I–joists or finger–jointed lumber, all as specified in California Code of Regulations (CCR), Title 17, Section 93120.1(a).

Note: See CCR, Title 17, Section 93120.1.

DAY-NIGHT AVERAGE SOUND LEVEL (Ldn). The A-weighted equivalent continuous sound exposure level for a 24-hour period with a 10 dB adjustment added to sound levels occurring during nighttime hours (10p.m. to 7 a.m.).

DECIBEL (db). A measure on a logarithmic scale of the magnitude of a particular quantity (such as sound pressure, sound power, sound intensity) with respect to a reference quantity.

ELECTRIC VEHICLE (EV). An automotive-type vehicle for on-road use, such as passenger automobiles, buses, trucks, vans, neighborhood electric vehicles, electric motorcycles, and the like, primarily powered by an electric motor that draws current from a rechargeable storage battery, fuel cell, photovoltaic array, or other source of electric current. Plug-in hybrid electric vehicles (PHEV) are considered electric vehicles. For purposes of the *California Electrical Code*, off-road, self-propoelled electric vehicles, such as industrial trucks, hoists, lifts, transports, golf carts, airline ground support equipment, tractors, boats, and the like, are not included.

ELECTRIC VEHICLE CHARGING STATION(S) (EVCSj). One or more spaces intended for charging electric vehicles.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

ENERGY EQUIVALENT (NOISE) LEVEL (Leq). The level of a steady noise which would have the same energy as the fluctuating noise level integrated over the time of period of interest.

EXPRESSWAY. An arterial highway for through traffic which may have partial control of access, but which may or may not be divided or have grade separations at intersections.

FREEWAY. A divided arterial highway with full control of access and with grade separations at intersections.

GLOBAL WARMING POTENTIAL (GWP). The radiative forcing impact of one mass-based unit of a given greenhouse gas relative to an equivalent unit of carbon dioxide over a given period of time. Carbon dioxide is the reference compound with a GWP of one.

GLOBAL WARMING POTENTIAL VALUE (GWP VALUE). A 100-year GWP value published by the Intergovernmental Panel on Climate Change (IPCC) in either its Second Assessment Report (SAR) (IPCC, 1995); or its Fourth Assessment A-3 Report (AR4) (IPCC, 2007). The SAR GWP values are found in column "SAR (100-yr)" of Table 2.14.; the AR4 GWP values are found in column "100 yr" of Table 2.14.

HIGH-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that is: (a) a chlorofluorocarbon, a hdrochlorofluorocarbon, a hydrofluorocarbon, a perfluorocarbon, or any compound or blend of compounds, with a GWP value equal to or greater than 150, or (B) any ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

LONG RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.5 times the pipe diameter.

LOW-GWP REFRIGERANT. A compound used as a heat transfer fluid or gas that: (A) has a GWP value less than 150, and (B) is not an ozone depleting substance as defined in Title 40 of the Code of Federal Regulations, Part 82, sec.82.3 (as amended March 10, 2009).

MERV. Filter minimum efficiency reporting value, based on ASHRAE 52.2–1999.

MAXIMUM INCREMENTAL REACTIVITY (MIR). The maximum change in weight of ozone formed by adding a compound to the "Base REactive Organic Gas (ROG) Mixture" per weight of compound added, expressed to hundreths of a gram (g O^3/g ROC).

PRODUCT-WEIGHTED MIR (PWMIR). The sum of all weighted-MIR for all ingredients in a product subject to this article. The PWMIR is the total product reactivity expressed to hundredths of a gram of ozone formed per gram of product (excluding container and packaging).

PSIG. Pounds per square inch, guage.

REACTIVE ORGANIC COMPOUND (ROC). Any compound that has the potential, once emitted, to contribute to ozone formation in the troposphere.

SCHRADER ACCESS VALVES. Access fittings with a valve core installed.

SHORT RADIUS ELBOW. Pipe fitting installed between two lengths of pipe or tubing to allow a change of direction, with a radius 1.0 times the pipe diameter.

SUPERMARKET. For the purposes of Section 5.508.2, a supermarket is any retail food facility with 8,000 square feet or more conditioned area, and that utilizes either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units.

VOC. A volatile organic compound broadly defined as a chemical compound based on carbon chains or rings with vapor pressures greater than 0.1 millimeters of mercury at room temperature. These compounds typically contain hydrogen and may contain oxygen, nitrogen and other elements. See CCR Title 17, Section 94508(a)
.
Note: Where specific regulations are cited from different agencies such as SCAQMD, ARB, etc., the VOC definition included in that specific regulation is the one that prevails for the specific measure in question.

SECTION 5.503 FIREPLACES

☐ ☒ **5.503.1 FIREPLACES.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code, Title 24, Part 6, Subchapter 7, Section 150. Woodstoves, pellet stoves and fireplaces shall comply with applicable local ordinances.

5.503.1.1 Woodstoves. Woodstoves and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits.

SECTION 5.504 POLLUTANT CONTROL

☒ ☐ **5.504.1 TEMPORARY VENTILATION.** The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction.

☒ ☐ **5.504.3 Covering of duct openings and protection of mechanical equipment during construction.** At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilation equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

STUDIO ONE

GREEN BUILDING CODE
HAVEN VINEYARD - NO. 240015
41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. 51441.00

REVISIONS

NO.	DESCRIPTION	DATE
1	1ST B&S & PLAN CHECK COMMENTS	05/24/24

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AIA California

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 3 (January 2023)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

Y N/A RESPON. PARTY

☒ ☐ **5.504.4 FINISH MATERIAL POLLUTANT CONTROL.** Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT[1,2]

Less Water and Less Exempt Compounds in Grams per Liter

ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT

Less Water and Less Exempt Compounds in Grams per Liter

SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

Y N/A RESPON. PARTY

TABLE 5.504.4.3 - CONT.

GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS

COATING CATEGORY	CURRENT VOC LIMIT
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS[1]	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS

2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems.
All carpet installed in the building interior shall meet the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers,"Version 1.2, January 2017 (Emission testing method for California Specifications 01350).

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS[1]

MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION

PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD[2]	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

☐ ☐

Y N/A RESPON. PARTY

5.504.4.6 Resilient flooring systems. Where resilient flooring is installed, at least 80 percent of floor area receiving resilient flooring shall meet the requirements of the California Department of Public Health,"Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers," Version 1.2, January 2017 (Emission testing method for California Specifications 01350)

See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.4.7 Thermal insulation
Comply with the requirements of the California Department of Public Health, "Standard Method of the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, "Version 1.2, January 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.
https://www.cdph.ca.gov/Programs/CCDPHP/DEODC/EHLB/IAQ/Pages/VOC.aspx#material

5.504.4.7.1 Verification of compliance.
Documentation shall be provided verifying that thermal insulation materials meet the pollutant emission limits.

5.504.4.8 Acoustical ceiling and wall panels.
Comply with the requirements of the California Department of Public Health, "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, " Version 1.2, January 2017 (Emission testing method for California Specification 01350).
See California Department of Public Health's website for certification programs and testing labs.

5.504.4.8.1 Verification of compliance. Documentation shall be provided verifying that acoustical finish materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

☒ ☐ **5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL.** Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL

☒ ☐ **5.505.1 INDOOR MOISTURE CONTROL**. Buildings shall meet or exceed the provisions of California Building Code, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

☒ ☐ **5.506.1 OUTSIDE AIR DELIVERY.** For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements For Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

☒ ☐ **5.506.2 CARBON DIOXIDE (CO_2) MONITORING.** For buildings or additions equipped with demand control ventilation, CO_2 sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

☐ ☒ **5.506.3 Carbon dioxide (CO2) monitoring in classrooms.**
(DSA-SS) Each public K-12 school classroom, as listed in Table 120.1-A of the *California Energy Code,* shall be equipped with a carbon dioxide monitor or sensor that meets the following requirements:

1. The monitor or sensor shall be permanently affixed in a tamper-proof manner in each classroom between 3 and 6 feet (914 mm and 1829 mm) above the floor and at least 5 feet (1524 mm) away from door and operable windows.
2. When the monitor or sensor is not integral to an Energy Management Control System (EMCS), the monitor or sensor shall display the carbon dioxide readings on the device. When the sensor is integral to an EMCS, the carbon dioxide readings shall be available to and regularly monitored by facility personnel.
3. A monitor shall provide notification though a visual indicator on the monitor when the carbon dioxide levels in the classroom have exceeded 1,100ppm. A sensor integral to an EMCS shall provide notification to facility personnel through a visual and/or audible indicator when the carbon dioxide levels in the classroom have exceeded 1,100ppm.
4. The monitor or sensor shall measure carbon dioxide levels at minimum 15- minute intervals and shall maintain a record of previous carbon dioxide measurements of not less than 30 days duration.
5. The monitor or sensor used to measure carbon dioxide levels shall have the capacity to measure carbon dioxide levels with a range of 400ppm to 2000ppm or greater.
6. The monitor or sensor shall be certified by the manufacturer to be accurate within 75ppm at 1,000ppm carbon dioxide concentration and shall be certified by the manufacturer to require calibration no more frequently than once every 5 years.

SECTION 5.507 ENVIRONMENTAL COMFORT

☐ ☐ **5.507.4 ACOUSTICAL CONTROL.** Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

   Exceptions:

   1. L_{dn} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
   2. L_{dn} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_{dn} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} - 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc_icc_ratings.pdf.

SECTION 5.508 OUTDOOR AIR QUALITY

☒ ☐ **5.508.1 Ozone depletion and greenhouse gas reductions.** Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

Y N/A RESPON. PARTY

☐ ☒ **5.508.2 Supermarket refrigerant leak reduction.** New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO_2), and potentially other refrigerants.

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fouth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multiring seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves Valves and fittings shall comply with the *California Mechanical Code* and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the vessel and the inlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain tethers. Chain tethers to fit ovr the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel; or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device tha indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7

INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

DISCLAIMER: *THIS DOCUMENT IS PROVIDED AND INTENDED TO BE USED AS A MEANS TO INDICATE AREAS OF COMPLIANCE WITH THE CALIFORNIA GREEN BUILDING STANDARDS (CALGREEN) CODE. DUE TO THE VARIABLES BETWEEN BUILDING DEPARTMENT JURISDICTIONS, THIS CHECKLIST IS TO BE USED ON AN INDIVIDUAL PROJECT BASIS AND MAY BE MODIFIED BY THE END USER TO MEET THOSE INDIVIDUAL NEEDS. THE END USER ASSUMES ALL RESPONSIBILITY ASSOCIATED WITH THE USE OF THIS DOCUMENT, INCLUDING VERIFICATION WITH THE FULL CODE.*

STUDIO ONE

GREEN BUILDING CODE
HAVEN VINEYARD - NO. 240015
41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

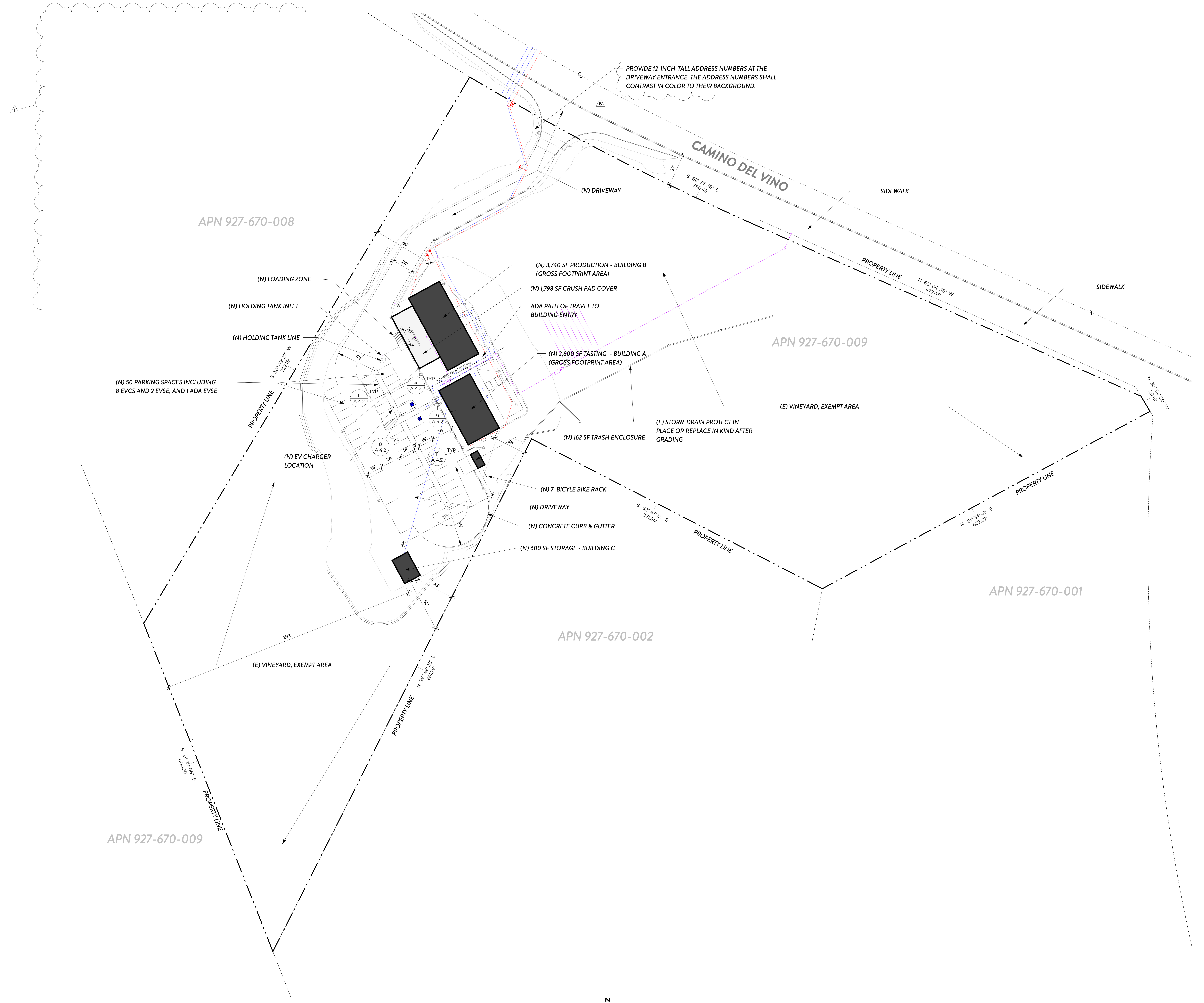
JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
1	1ST B&S & PLAN CHECK COMMENTS	05/24/24

A 0.5

3/4/2025 7:35:35 AM



1 SITE PLAN
1" = 40'-0"

STUDIO ONE

ARCHITECTURAL SITE PLAN

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO.		S1/441.00

REVISIONS

NO.	DESCRIPTION	DATE
1	1ST B&S & PLAN CHECK COMMENTS	05/24/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

A 1.0

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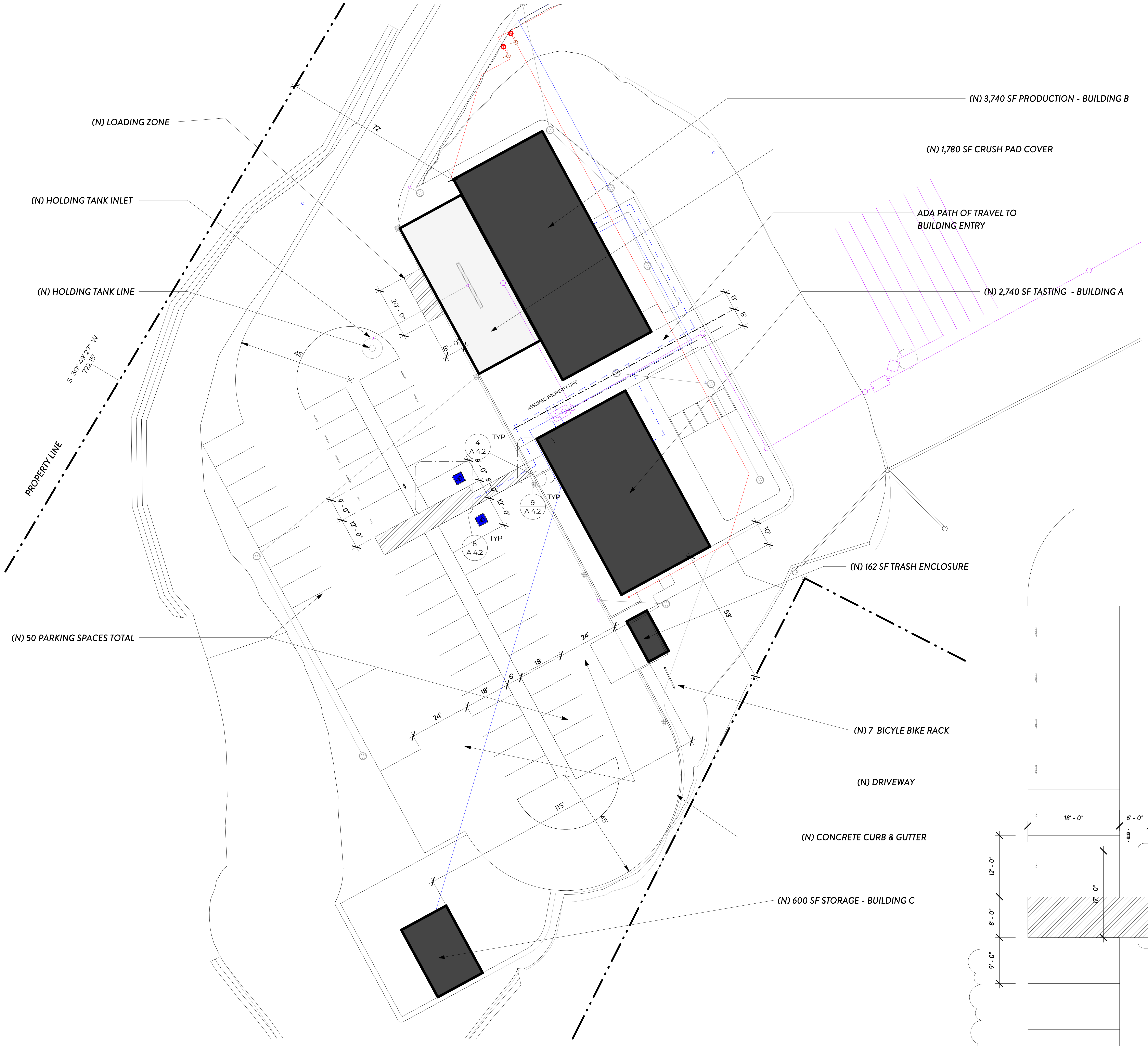
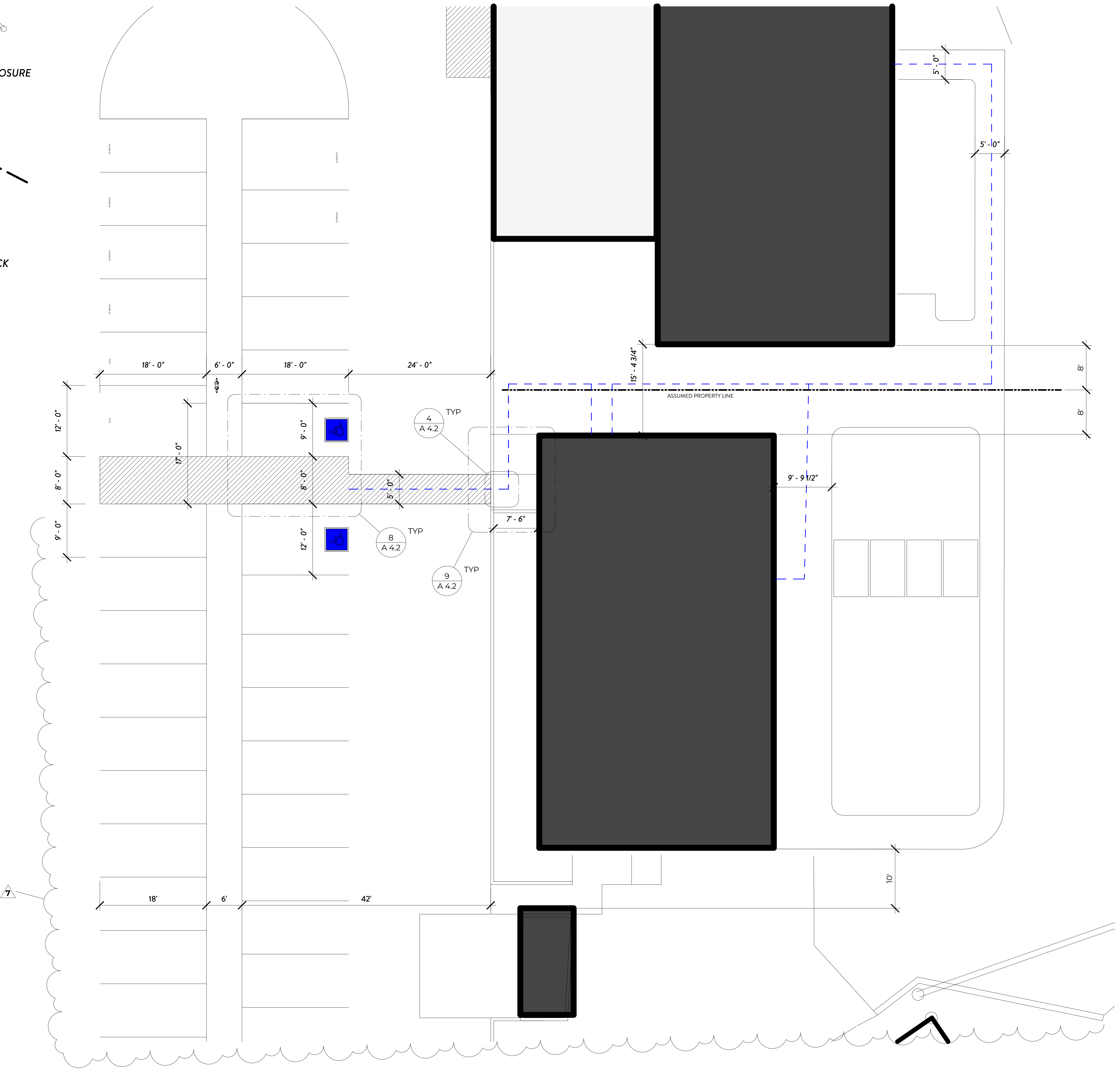

(N) 3,740 SF PRODUCTION - BUILDING B
(N) LOADING ZONE
(N) 1,780 SF CRUSH PAD COVER
(N) HOLDING TANK INLET
ADA PATH OF TRAVEL TO BUILDING ENTRY
(N) HOLDING TANK LINE
(N) 2,740 SF TASTING - BUILDING A
S 30° 49' 27" W 722.15'
PROPERTY LINE
ASSUMED PROPERTY LINE
(N) 162 SF TRASH ENCLOSURE
(N) 50 PARKING SPACES TOTAL
(N) 7 BICYCLE BIKE RACK
(N) DRIVEWAY
(N) CONCRETE CURB & GUTTER
(N) 600 SF STORAGE - BUILDING C
72'
20' - 0"
8' - 0"
45'
24'
18'
6'
115'
53'
10'
TYP
4 A 4.2
9 A 4.2
8 A 4.2
N

1 ENLARGED SITE PLAN
1" = 20'-0"



2 ADA ACCESSIBILITY SITE PLAN
1" = 10'-0"

STUDIO ONE

ENLARGED SITE PLAN

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. S1/441.00

REVISIONS

NO.	DESCRIPTION	DATE
7	4TH B&S PLAN CHECK	01/15/25

A 1.0.1

3/4/2025 7:35:37 AM

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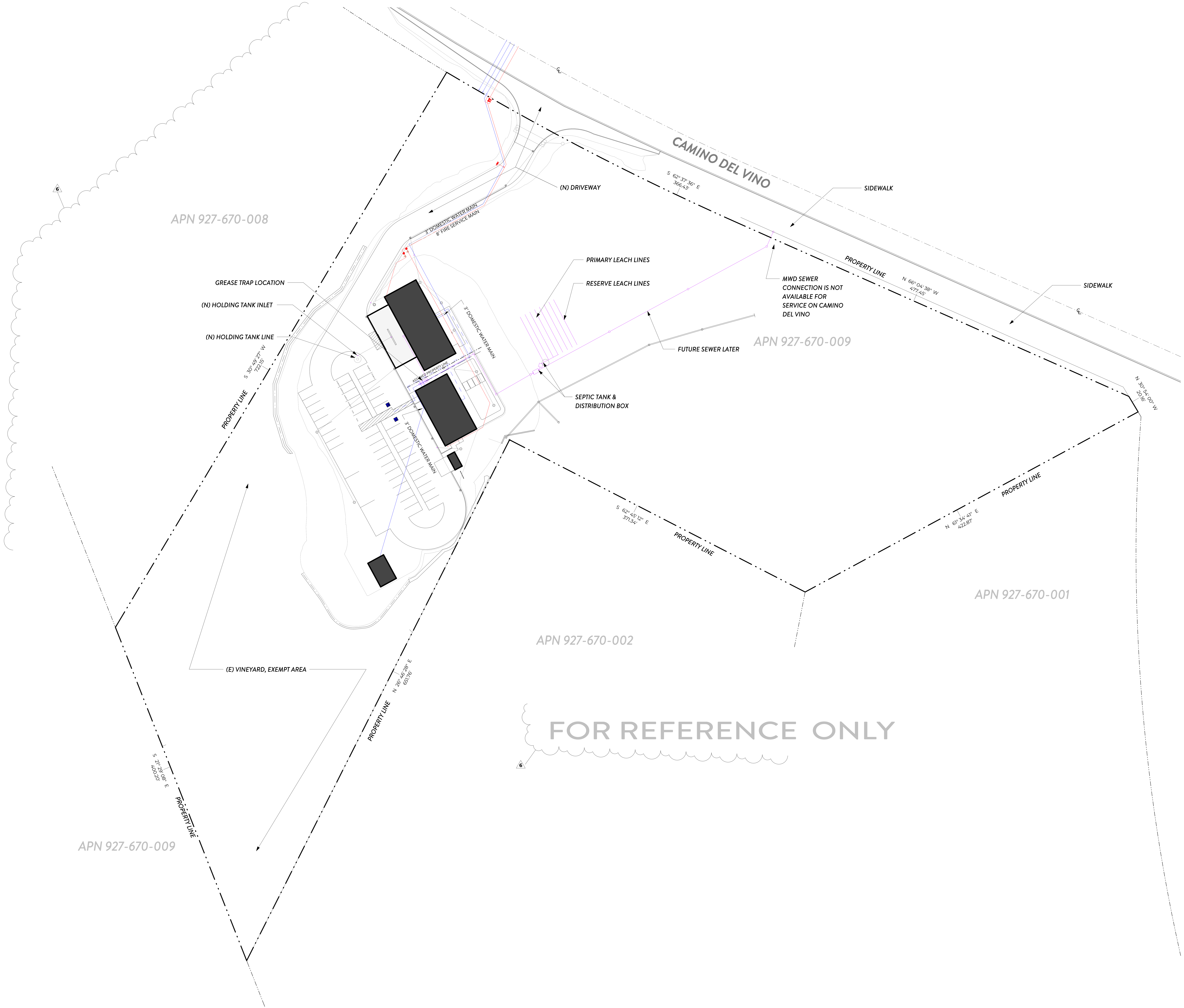

FOR REFERENCE ONLY

1 UTILITY SITE PLAN
1" = 40'-0"

STUDIO ONE

UTILITY SITE PLAN

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

A 1.0.2

3/4/2025 7:35:37 AM

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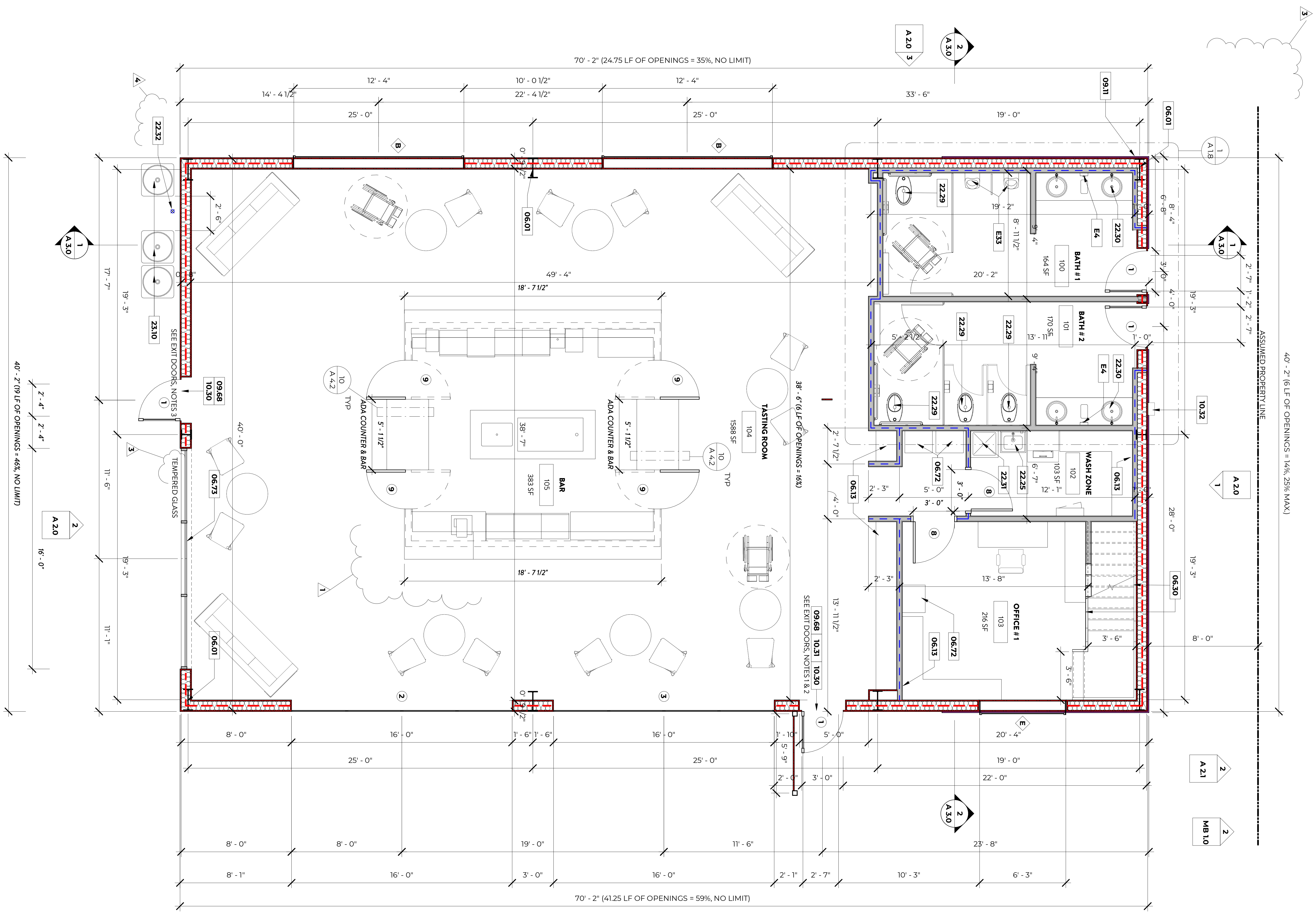
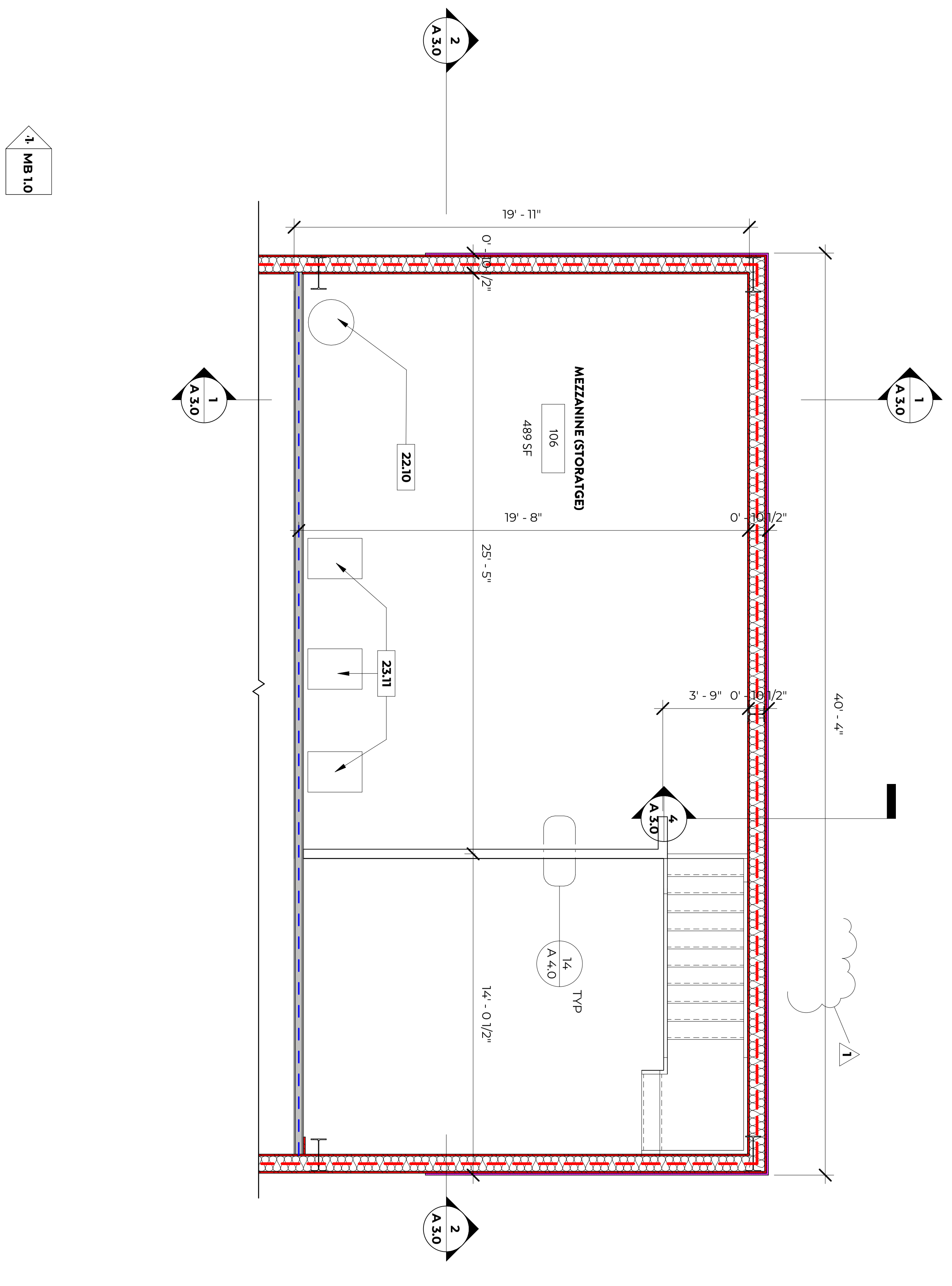


DIMENSIONED & KEYED FLOOR PLAN - BUILDING A
1/4" = 1'-0"



DIMENSIONED & KEYED FLOOR PLAN - MEZZANINE BUILDING A
1/4" = 1'-0"

DOOR SCHEDULE

#	WIDTH	HEIGHT	DOOR TYPE	COMMENTS
1	3' - 0"	8' - 0"	COMMERCIAL DR W/ LITE	TEMPERED
2	16' - 0"	10' - 0"	CUSTOM GARAGE DOOR	TEMPERED
3	16' - 0"	10' - 0"	CUSTOM GARAGE DOOR	TEMPERED
4	8' - 0"	10' - 0"	OVERHEAD ROLLING	TEMPERED
5	3' - 0"	8' - 0"	COMMERCIAL DR	
6	7' - 4"	6' - 0"	METAL DOUBLE GATES	
7	3' - 0"	8' - 0"	COMMERCIAL DR	
8	3' - 0"	8' - 0"	COMMERCIAL DR - 1 HR FIRE RATED	
9	2' - 10"	3' - 0"	DOUBLE SWING DOOR	
10	3' - 0"	8' - 0"	DOUBLE ACTING DOOR	

WINDOW SCHEDULE

#	WIDTH	HEIGHT	WINDOW TYPE	COMMENTS	U-FACTOR | SHGC
B	12' - 6"	2' - 0"	FIXED	TEMPERED	0.36 | 0.25
C	8' - 6"	1' - 6"	FIXED	TEMPERED	0.36 | 0.25
D	8' - 0"	1' - 6"	FIXED	TEMPERED	0.36 | 0.25
E	6' - 4 1/2"	2' - 0"	FIXED	TEMPERED	0.36 | 0.25
F	4' - 0"	5' - 0"	SLIDER	TEMPERED	0.36 | 0.25

ADA ACCESSIBLE COUNTER

TOTAL LENGTH OF COUNTER	100%	47'-6"
REQUIRED ACCESSIBLE COUNTER	5%	2'-11"
TOTAL ACCESSIBLE COUNTER PROVIDED	21%	10'-3"

ADA ACCESSIBLE SEATING

TOTAL NUBMER OF SEATING	100%	23
REQUIRED ACCESSIBLE SEATING	5%	2
TOTAL ACCESSIBLE SEATING PROVIDED	5%	2

FLOOR PLAN LEGEND

▭	(N) 2x STUD WALL
▭	(N) 2x STUD WALL, 1 HR FIRE WALL, SEE DETAIL 15 ON A 4.0
?	KEYNOTE TAG
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION. SEE DETAIL #1 ON A 4.0
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION WITH STONE VENEER FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #3 ON A 4.0
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION WITH TILE FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #5 ON A 4.0
☒	(N) CMU BLOCK WALL

ADDITIONAL NOTES

1. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH CFX906 AND CALIFORNIA CODE OF REGULATIONS (CCF) TITLE19
2. DURING CONSTRUCTION AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY IN ALL STORAGE AND CONSTRUCTION SHEDS IN LOCATIONS WHERE FLAMABLE OR COMBUSTIBLE LIQUIDS AREA STORED OR USED AND WHERE OTHER SPECIAL HAZARDS AREA PRESENT PER CGX 14115.1
3. ADDRESS INDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDING IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM PROPERTY. WHERE ACCESS IS BY WAY OF A PRIVATE RAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE.
4. KEY BOXES SHALL BE PROVIDED FOR ALL (HIGH RISE BUILDINGS, POOL ENCLOSURES GATES IN THE PATH OF FIREFIGHTER TRAVEL TO STRUCTURES, SECURED PARKING LEVELS, DOORS GIVING ACCESS TO ALARM PANELS AND OR ENUNCIATORS, AND ANY OTHER) STRUCTURES OR AREAS WHERE ACCESS TO AB AREA US RESTRICTED
5. DUMPSTER AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORES IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENING OR COMBUSTIVE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN TYPE 1 OR A STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD HALL BE OF NON OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED CFC 304.3
6. EXITS, EXITS SIGN, FIRE ALARMS PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL
7. OPEN FLAMES FIRE, AND BURNING ON ALL PREMISES IS PROHIBITED
8. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF OBSTRUCTIONS AT ALL TIME NOT STORAGE IS PERMITTED IN ANY EGRESS PATHS.
9. COMPLETE PLANS AND SPECIFICATIONS FOR ALL FIRE EXTINGUISHING SYSTEMS INCLUDING AUTOMATIC SPRINKLER AND STANDPIPE SYSTEMS AND OTHER SPECIAL FIRE EXTINGUISHING SYSTEMS AND RELATED APPURTENANCES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION
10. FIRE SPRINKLER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 903.3
11. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATERFOWL SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRONICALLY MONITORED WHERE THE NUMBER OF SPRINKLERS SERVED IS 20 OR MORE CBC 903.4
12. ONE APPROVED AUDIBLE DEVISE MUST BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM IN AN APPROVED LOCATION ON THE EXTERIOR OF THE STRUCTURE CBC 903.4.2
13. COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEMS SHALL BE SUBMITTED TO THE CITY OF SAN DIEGO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION CFC 907.1.1
14. FIRE ALARM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 907.6
15. AUTOMATIC FIRE SPRINKLER SYSTEMS AND ALL CONTROL VALUES WITH THE EXCEPTION OF THOSE LISTED IN THE CBC 903.4 SHALL BE MONITORED BY A UL LISTED CENTRAL ALARM SYSTEM

EXIT DOORS

1. ALL EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
2. PROVIDE A SIGN OVER THE MAIN EXTERIOR EXIT DOOR THAT STATES "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED".
3. PANIC HARDWARE TO BE INSTALLED. TRUDOOR, TDE-2000R, UL LISTING "A", 3 HR FIRE RATING, OR EQUAL

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06.01	NEW COLUMN
06.13	NEW COUNTERTOP: PER OWNER SELECTION
06.30	HANDRAIL: 1-1/2" DIA.
06.72	(N) TALL CABINET TO BE SELECTED BY OWNER
06.73	(N) CURTAIN WALL, GLASS TO BE TEMPERED
09.11	ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 1/2 INCH
09.68	ROOM WITH AN OCCUPANT LOAD OF 50 OR MORE SHALL BE THE OCCUPANT LOAD OF THE ROOM OR SPACE POSTED AT THIS LOCATION, NEAR MAIN EXIT OR EXIT ACCESS DOORWAY OF THE ROOM OF SPACE. POSTED SIGN SHALL BE APPROVED LEGIBLE PERMANENT DESIGN AND SHALL BE MAINTAINED BY THE OWNER OR THE OWNERS AUTHORIZED AGENT. CBC 1004.9
10.30	PANIC OR FIRE EXIT HARDWARE TO BE INSTALLED AT EXIT DOOR (CBC 1010.1.10)
10.31	OCCUPANT LOAD TO BE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OF THE ROOM. (CBC 1004.9)
10.32	FIRE EXTINGUISHER TO BE LOCATED WITHIN EXTERIOR WALL CABINET
22.10	NEW WATER HEATER
22.25	SINK LOCATION. 1.8 GALLONS PER MINUTE, MAXIMUM (GPM) @ 60 PSI
22.29	NEW TIOLET LOW FLOW TYPE (1.28 GALLONS PER FLUSH) TO HAVE MIN. 30" CLEAR WIDTH IN FRONT OF TIOLET
22.30	NEW VANITY WITH LAVATORY FAUCET WITH MAXIMUM FLOW RATE OF 1.2 GALLONS PER MINUTE (GPM) @ 60 PSI
22.31	MOP SINK LOCAITON
22.32	FIRE SPRINKLER RISER LOCATION. REF. FIRE SPRINKLER PLANS.
23.10	LOCATION OF CONDENSER UNIT
23.11	LOCATION OF NEW FAU UNIT. SEE MECHANICAL PLANS
E4	SOAP DISPENSER
E33	URINAL

DIMENSIONED & KEYED FLOOR PLAN - BUILDING A

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

STUDIO ONE

GREGORY SCOTT HAHN
C 26663
9/30/25

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
5	3RD B&S PLAN CHECK	11/01/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24
9	6TH B&S PLAN CHECK COMMENTS	04/15/25

A 1.1

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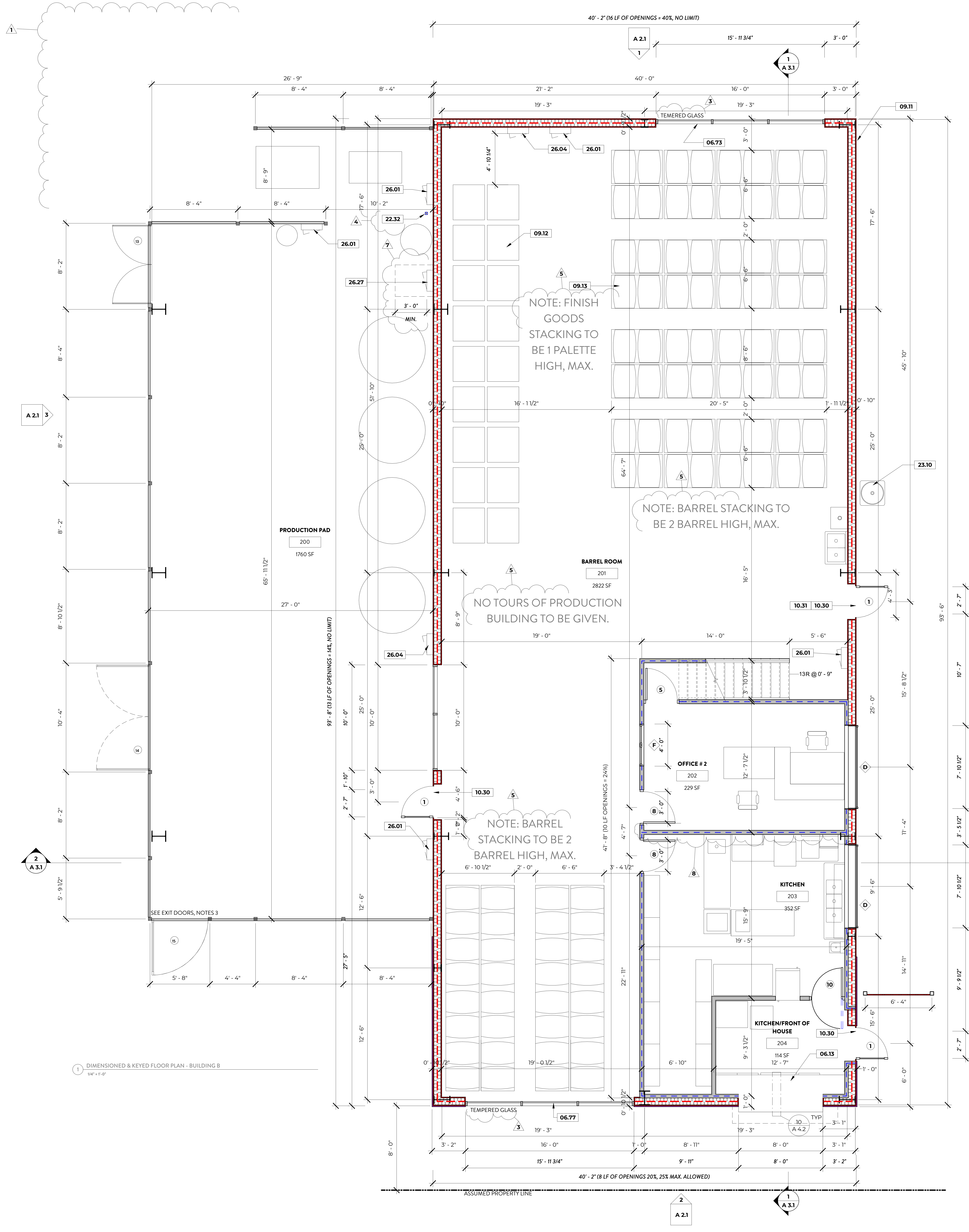
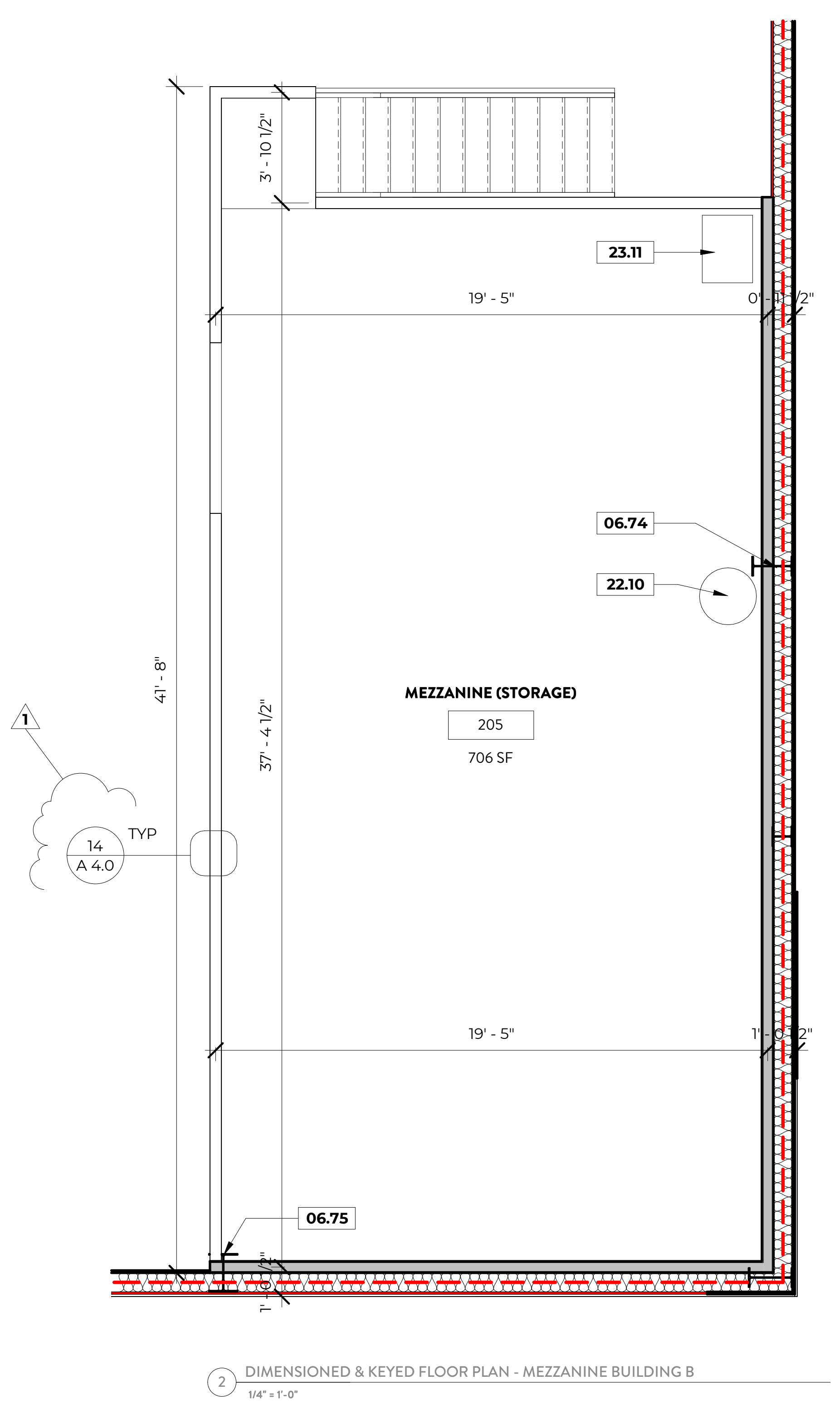


1 DIMENSIONED & KEYED FLOOR PLAN - BUILDING B
1/4" = 1'-0"



2 DIMENSIONED & KEYED FLOOR PLAN - MEZZANINE BUILDING B
1/4" = 1'-0"

FLOOR PLAN LEGEND

▭	(N) 2x STUD WALL
▭	(N) 2x STUD WALL, 1 HR FIRE WALL, SEE DETAIL 15 ON A 4.0
?	KEYNOTE TAG
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION. SEE DETAIL #1 ON A 4.0
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION WITH STONE VENEER FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #3 ON A 4.0
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION WITH TILE FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #5 ON A 4.0
☒	(N) CMU BLOCK WALL

ADDITIONAL NOTES

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5. DUMPSTER AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORES IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENING OR COMBUSTIVE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN TYPE 1 OR A STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD HALL BE OF NON OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED CFC 304.3
6. EXITS, EXITS SIGN, FIRE ALARMS PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL
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12. ONE APPROVED AUDIBLE DEVISE MUST BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM IN AN APPROVED LOCATION ON THE EXTERIOR OF THE STRUCTURE CBC 903.4.2
13. COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEMS SHALL BE SUBMITTED TO THE RIVERSIDE COUNTY FIRE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION CFC 907.1.1
14. FIRE ALARM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 907.6
15. AUTOMATIC FIRE SPRINKLER SYSTEMS AND ALL CONTROL VALUES WITH THE EXCEPTION OF THOSE LISTED IN THE CBC 903.4 SHALL BE MONITORED BY A UL LISTED CENTRAL ALARM SYSTEM

EXIT DOORS

1. ALL EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
2. PROVIDE A SIGN OVER THE MAIN EXTERIOR EXIT DOOR THAT STATES "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED".
3. PANIC HARDWARE TO BE INSTALLED. TRUDOOR, TDE-2000R, UL LISTING "A", 3 HR FIRE RATING, OR EQUAL

WINDOW SCHEDULE

#	WIDTH	HEIGHT	WINDOW TYPE	COMMENTS	U-FACTOR | SHGC
B	12' - 6"	2' - 0"	FIXED	TEMPERED	0.36 | 0.25
C	8' - 6"	1' - 6"	FIXED	TEMPERED	0.36 | 0.25
D	8' - 0"	1' - 6"	FIXED	TEMPERED	0.36 | 0.25
E	6' - 4 1/2"	2' - 0"	FIXED	TEMPERED	0.36 | 0.25
F	4' - 0"	5' - 0"	SLIDER	TEMPERED	0.36 | 0.25

DOOR SCHEDULE

#	WIDTH	HEIGHT	DOOR TYPE	COMMENTS
1	3' - 0"	8' - 0"	COMMERCIAL DR W/ LITE	TEMPERED
2	16' - 0"	10' - 0"	CUSTOM GARAGE DOOR	TEMPERED
3	16' - 0"	10' - 0"	CUSTOM GARAGE DOOR	TEMPERED
4	8' - 0"	10' - 0"	OVERHEAD ROLLING	TEMPERED
5	3' - 0"	8' - 0"	COMMERCIAL DR	
6	7' - 4"	6' - 0"	METAL DOUBLE GATES	
7	3' - 0"	8' - 0"	COMMERCIAL DR	
8	3' - 0"	8' - 0"	COMMERCIAL DR - 1 HR FIRE RATED	
9	2' - 10"	3' - 0"	DOUBLE SWING DOOR	
10	3' - 0"	8' - 0"	DOUBLE ACTING DOOR	
13	7' - 10"	5' - 10"	DOUBLE FLUSH ENGINEERED WOOD SIDING	
14	12' - 0"	5' - 10"		
15	5' - 4"	5' - 10"		

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06.13	NEW COUNTERTOP: PER OWNER SELECTION
06.73	(N) CURTAIN WALL, GLASS TO BE TEMPERED
06.74	(N) METAL COLUMN. METAL STRUCTURE TO BE USED FOR OUTDOOR HEATER SUPPORT
06.75	(N) 4x4 TUBE STEEL POST FOR STEEL ARBOR
06.77	(N) CURTAIN WALL, GLASS TO BE TEMPERED, 1 HOUR FIRE RATED MIN.
09.11	ADDRESS IDENTIFICATION CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND. NUMBERS SHALL NOT BE SPELLED OUT. EACH CHARACTER SHALL BE A MINIMUM OF 4 INCHES HIGH WITH A MINIMUM STROKE WIDTH OF 1/2 INCH
09.12	FINISHED GOODS, FLOOR PALLETES. STACKED 2 HIGH, MAX. TYP. OF 20
09.13	WINE BARRELS, STACKED 2 HIGH, MAX.
10.30	PANIC OR FIRE EXIT HARDWARE TO BE INSTALLED AT EXIT DOOR (CBC 1010.1.10)
10.31	OCCUPANT LOAD TO BE POSTED IN A CONSPICUOUS PLACE NEAR THE MAIN EXIT OF THE ROOM. (CBC 1004.9)
22.10	NEW WATER HEATER
22.32	FIRE SPRINKLER RISER LOCATION. REF. FIRE SPRINKLER PLANS.
23.10	LOCATION OF CONDENSER UNIT
23.11	LOCATION OF NEW FAU UNIT. SEE MECHANICAL PLANS
26.01	ELECTRICAL SERVICE: 200 AMP MAIN ELECTRICAL SERVICE PANEL.
26.04	HIGH VOLTAGE PLUG PANEL
26.27	FORK LIFT CHARGER LOCATION

STUDIO ONE

DIMENSIONED & KEYED FLOOR PLAN - BUILDING B

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
7	4TH B&S PLAN CHECK	01/15/25
8	4TH FIRE DEPARTMENT COMMENTS	01/28/25
9	6TH B&S PLAN CHECK COMMENTS	04/15/25

A 1.2

4/17/2025 10:52:19 AM

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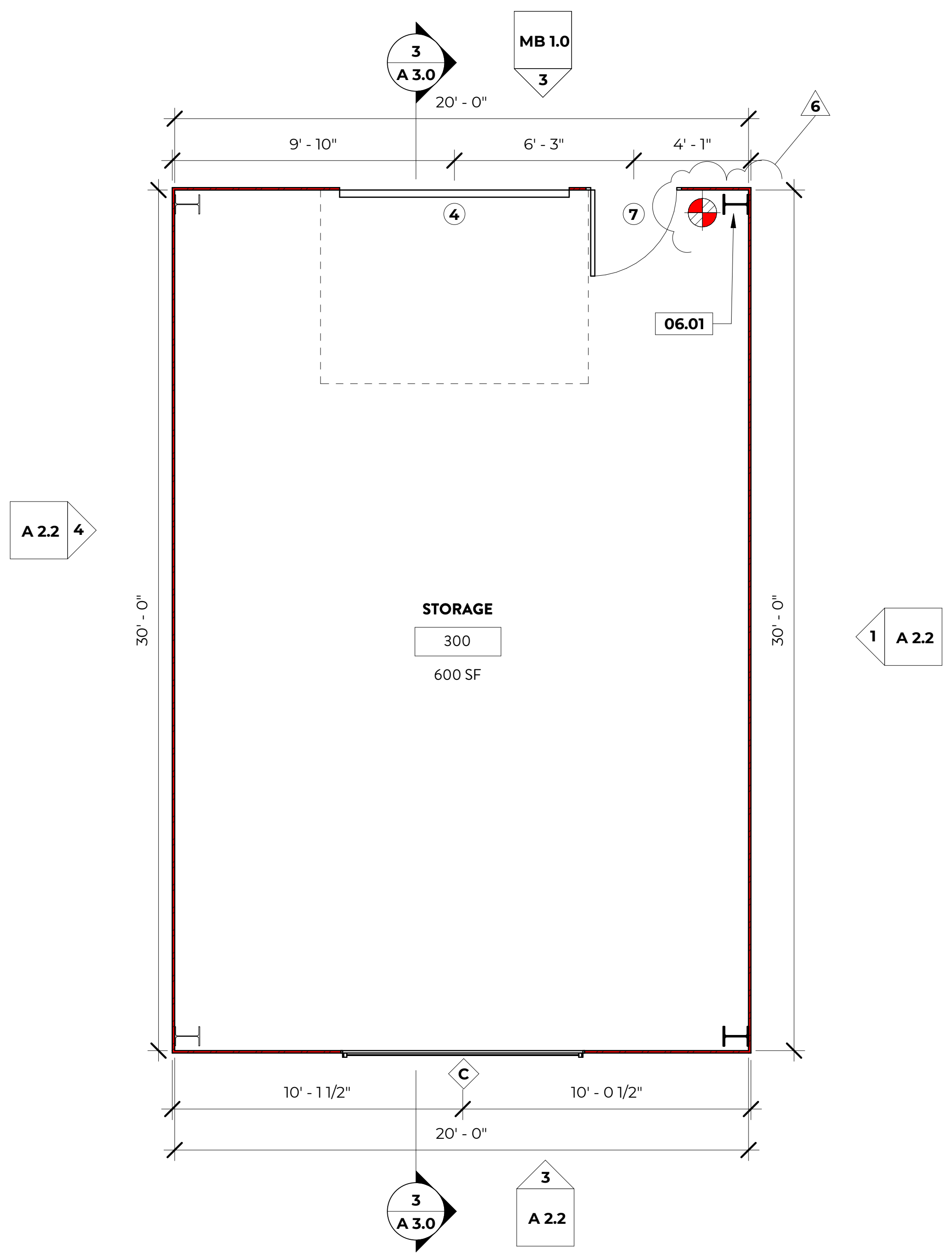
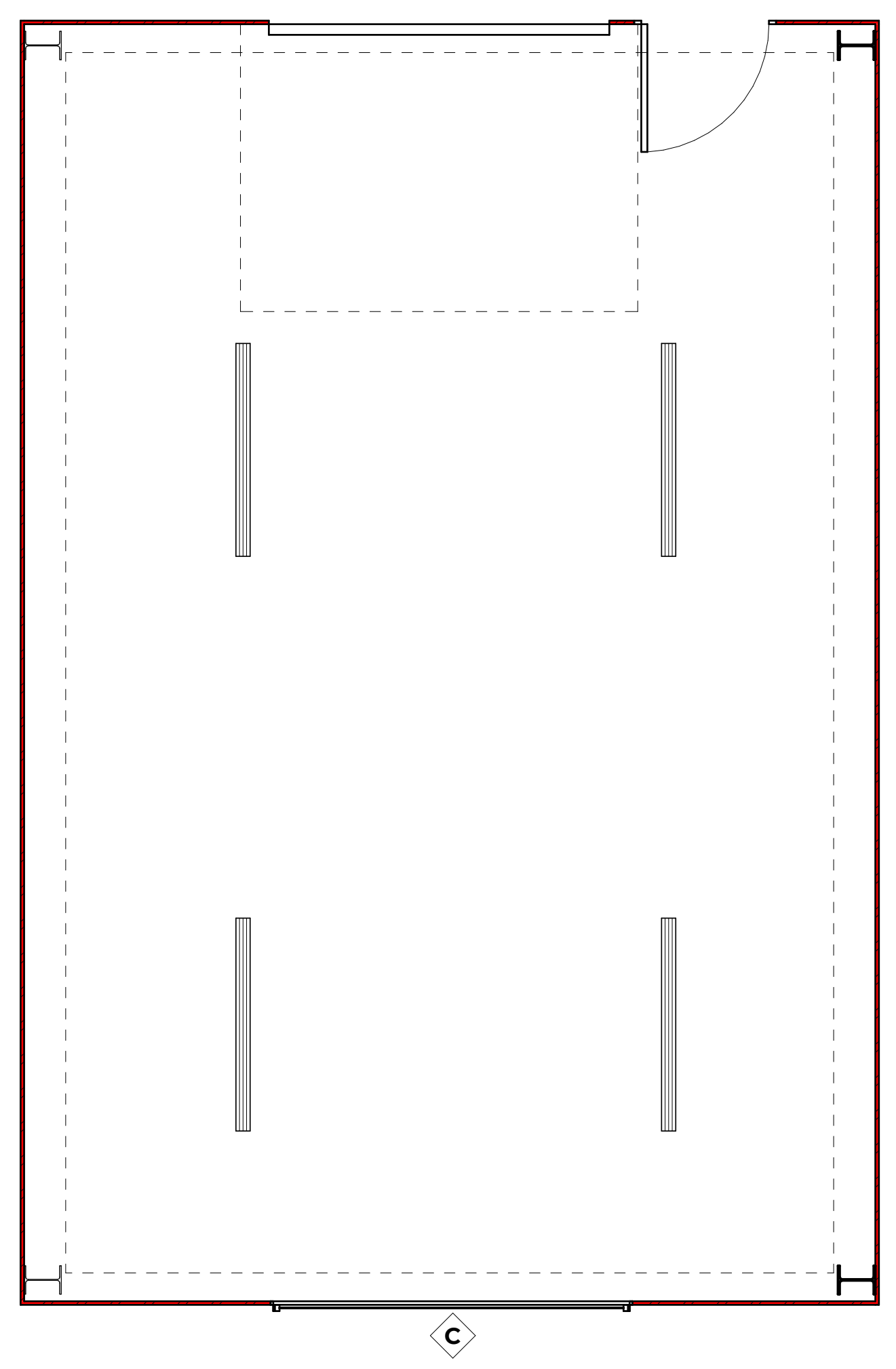
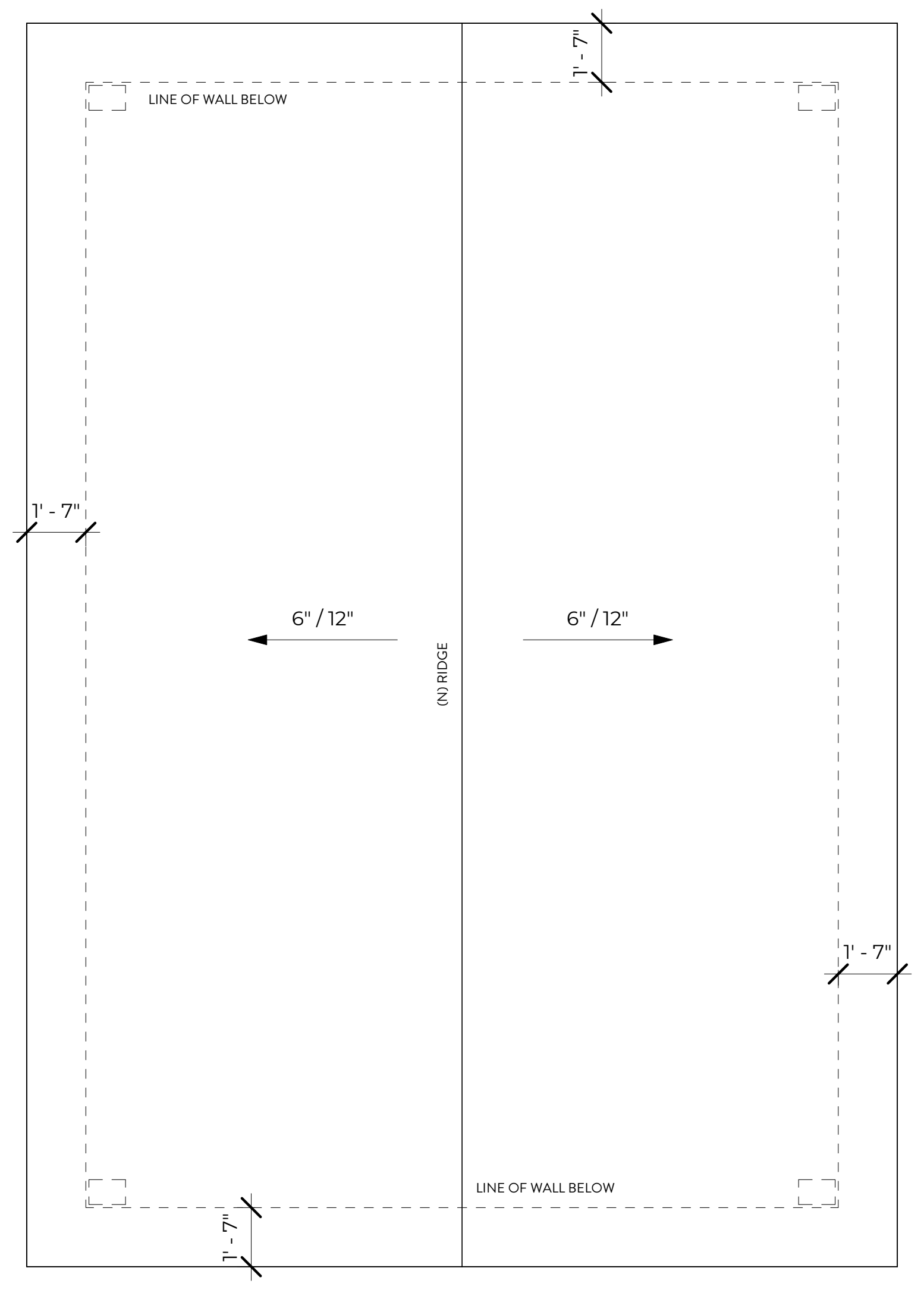


1 DIMENSIONED & KEYED FLOOR PLAN - BUILDING C
1/4" = 1'-0"



5 ELECTRICAL & CEILING ELECTRICAL PLAN - BUILDING C
1/4" = 1'-0"



3 ROOF PLAN - BUILDING C
1/4" = 1'-0"

DOOR SCHEDULE

#	WIDTH	HEIGHT	DOOR TYPE	COMMENTS
1	3' - 0"	8' - 0"	COMMERCIAL DR W/ LITE	TEMPERED
2	16' - 0"	10' - 0"	CUSTOM GARAGE DOOR	TEMPERED
3	16' - 0"	10' - 0"	CUSTOM GARAGE DOOR	TEMPERED
4	8' - 0"	10' - 0"	OVERHEAD ROLLING	TEMPERED
5	3' - 0"	8' - 0"	COMMERCIAL DR	
6	7' - 4"	6' - 0"	METAL DOUBLE GATES	
7	3' - 0"	8' - 0"	COMMERCIAL DR	
8	3' - 0"	8' - 0"	COMMERCIAL DR - 1 HR FIRE RATED	
9	2' - 10"	3' - 0"	DOUBLE SWING DOOR	
10	3' - 0"	8' - 0"	DOUBLE ACTING DOOR	

WINDOW SCHEDULE

#	WIDTH	HEIGHT	WINDOW TYPE	COMMENTS	U-FACTOR | SHGC
B	12' - 6"	2' - 0"	FIXED	TEMPERED	0.36 | 0.25
C	8' - 6"	1' - 6"	FIXED	TEMPERED	0.36 | 0.25
D	8' - 0"	1' - 6"	FIXED	TEMPERED	0.36 | 0.25
E	6' - 4 1/2"	2' - 0"	FIXED	TEMPERED	0.36 | 0.25
F	4' - 0"	5' - 0"	SLIDER	TEMPERED	0.36 | 0.25

ELECTRICAL LEGEND

T	TELEPHONE JACK
TV	ARC FAULT CIRCUIT INTERRUPTOR POWER OUTLET. TO BE LOCATED IN RECESSED TV BOX, 66" AFF.
TD	DATA OUTLET
Ⓣ	THERMOSTAT
P.C. V.S.	PHOTO CELL VACANCY SENSOR
◐ L	EXHAUST FAN WITH LIGHT (50 CFM PER HOUR - MIN) WITH HUMIDISTAT, MAX SOUND RATING OF 1.0 SONE.
✕	24" x 36" ATTIC ACCESS LOCATION
⊗	CEILING MOUNTED LIGHT FIXTURE
●	PENDANT LIGHT FIXTURE
S	ELECTRICAL SWITH
S D	ELECTRICAL SWITH W/ DIMMER CONTROL
S V.S.	ELECTRICAL SWITH W/ VACANCY SENSOR
UC	DUPLEX POWER OUTLET SET UNDER COUNTER @ 12" A.F.F. FOR APPLIANCE
AFCI	ARC FAULT CIRCUIT INTERRUPTER POWER OUTLET. TO BE LOCATED IN ALL SLEEPING ROOM 12" A.F.F.
GFI	DUPLEX POWER OUTLET WITH GFCI @ 36" A.F.F. AND 45" A.F.F. IN KICHEN (U.N.O.)
◕	LOCATION OF FIRE EXTINGUISHER
⊠	EMERGENCY EXIT SIGNS WITH 90 MINUTE BATTERY BACK UP POWER SUPPLY
W GFI	EXTERIOR DUPLEX POWER OUTLET WITH WATERPROOF COVER WITH GFI
EV	DEDICATED 208/40-VOLT OUTLET TO ACCOMODATE EV AND INSTALLATION OF A DEDICATED BRANCH CIRCUIT AND CHARGING STATION(S)
▯	EXTERIOR SPEAKER
C/S	SMOKE AND CARBON MONOXIDE DETECTOR, WITH BATTERY BACKUP.
⊘HE	4" RECESSED CEILING MOUNTED LED CAN LIGHT (HIGH EFFICACY)
▬	WALL-MOUNTED LIGHT FIXTURE
◎	WHOLE HOUSE FAN. SEE WHOLE HOUSE FAN CALCULATIONS FOR FAN MIN SPECIFICATIONS
⊖	CEILING OUTLET
☰	LED SHOP LIGHT
◠	EXTERIOR LED LIGHT FIXTURE, PER OWNER SELECTION
◩	GARAGE LIGHT FIXTURE
▭	ELECTRICAL PANEL
✚	CEILING FAN. PROVIDE FRAMING SUPPORT
▤	HIGH VOLTAGE HEATERS
▭H	WALL SCONCE

ELECTRICAL NOTES

1. LL INCANDECENT LIGHTING FIXTURES RECESSED INTO CEILING SHALL BE APPROVED FOR ZERO CLEARANCE (I.C.RATED).
2. BATHROOMS AND KITCHENS SHALL HAVE FLOURECENT LIGHTS RATED AT NOT LES THAN 40/LUMENS ER WATT FOR GENERAL LIGHTING AS PER TITLE-24.
3. GROUND FAULT PROTECTION REQUIRED FOR ALL GRADE ACCESS EXTERIOR OUTLETS, OUTLETS IN BATHROOMS, KITCHENS, BASEMENTS, CRAWL SPACES, GARAGES AND WITHIN 6'-0" OF ANY WATER SOURCE.
4. BATHROOM RECEPTACLES SHALL BE ON 20 AMPERE CIRCUIT DEDICATED TO EACH BATHROOM. CEC ART. 210.11(C)3.
5. HIGH EFFICACY LUMINAIRES MUST BE PIN BASED.
6. ALL RECEPTACLES IN DWELLING TO BE TAMPER RESISTANT RECEPTACLES, FOR ALL LOCATIONS. CEC ART. 210.52.
7. PROVIDE ADEQUATE POWER OUTLETS ON THE EXTERIOR OF BUILDING OR AS SHOWN.
8. OUTLETS FOR DISH WASHER AND DISPOSAL TO BE INSTALLED UNDER COUNTER 12" A.F.F.
9. ALL RECEPTACLES IN BATHROOMS SHALL BE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTED
10. ELECTRICAL CONTRACTOR TO VERIFY EXACT LOCATION OF ALL OUTLETS, SWITCHES, AND FIXTURES WITH THE DESIGNER/OWNER (MARK THE FRAMING WITH SPRAY PAINT PRIOR TO WIRING).
11. ELECTRICAL CONTRACTOR TO VERIFY THE POWER REQUIREMENTS AND LOCATION OF OUTLETS WITH THE MANUFACTURER'S SPECIFICATIONS ON ALL APPLIANCES.
12. CONTRACTOR TO VERIFY THE WEIGHT OF ALL HANGING LIGHT FIXTURES WHILE FRAMING. PROVIDE ADEQUATE BLOCKING AND CONSULT WITH THE STRUCTURAL ENGINEER REGARDING EXTRA FRAMING MEMBERS.
13. ALL LANDSCAPE LIGHTS TO BE ON A THREE-WAY CIRCUIT WITH ONE CONTROL IN THE KITCHEN AND OTHER ONE ON TIMER. VERIFY LANDSCAPE LIGHTING REQUIREMENTS WITH LANDSCAPE ARCHITECT.
14. ALL LED LUMINARES MUST BE CERTIFIED AND QUALIFIED AS HIGH EFFICACY. SEE CUT SHEETS PROVIDED.
15. AT LEAST ON HIGH EFFICACY LUMINAIRE TO BE PROVIDED I EACH BATHROOM.
16. ALL RECESSED LIGHTING INSTALLED IN AN INSULATED CEILING SHALL BE:

    A. LISTED AS AT/IC
    B. SEALED AND/OR CONTAIN A GASKET
    C. RECESSED FIXTURES INSTALLED IN RATED CEILING SHALL HAVE A SECONDARY RATED ASSEMBLY EQUAL TO THE RATING PENETRATING.

SMOKE / CARBON MONOXIDE ALARMS

1. WHEN IMPROVEMENT COST TO EXISTING RESIDENTIAL EXCEEDS $1,000.00 VERIFY THAT SMOKE ALARM ARE PRESENT IN EXISTING CONSTRUCTION AT EACH BEDROOM AND HALLWAYS LEADING TO BEDROOMS, IF THEY ARE PRESENT PROVIDE AN APPROVED BATTERY BACK-UP ONLY SMOKE DETECTOR.
2. IN NEW CONSTRUCTION, PROVIDE HARDWIRED INTERCONNECTED SMOKE/CARBON MONOXIDE ALARM WITH BATTERY BACK-UP AT EACH BEDROOM AND HALLWAY LEADING TO BEDROOMS. SEE ELECTRICAL PLAN.
3. SINGLE OR MULTIPLE-STATION SMOKE/CARBON MAINTAINED IN EACH SOTRY WITHIN A DWELLING UNIT.
4. IN NEW CONSTRUCTION, REQUIRED SMOKE/CARBON MONOXIDE ALARMS SHALL RECIEVE THEIR PRIMARY POWER FORM THE BUILDING WIRING IS SERVED FRO A COMMERCIAL SOURCE AND SHALL BE EQUIPPED WITH A BATTERY BACKUP. SMOKE/CARBON MONOXIDE ALARMS SHALL BE PERMANENT AND WITHOUT A DISCONNECTION SWITCH THAN AS REQUIRED FOR OVERCURRENT PROTECTION.
5. WHERE MORE THAN ONE SMOKE/CARBON MONOXIDE ALARM IS REQUIRED TO BE INSTALLED, THE SMOKE/CARBON MONOXIDE ALARM SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ONE ALARM WILL A CTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL DWELLING UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE LEVELS WITH INTERVENING DOORS CLOSED.
6. ALL SMOKE/CARBON MONOXIDE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL 2034 CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL 2075 AND INSTALL IN ACCORDANCE WITH THE PROVISIONS OF THE GOVERNING CRC AND THE HOUSELD FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 72. SYSTEMS AND COMPONENTS SHALL BE CALIFORNIA STATE FIRE MARSHAL LISTED AND APPROVED IN ACCORDANCE WITH CCR TITLE-19, DIVISION 1 FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED. SEC.R314.1 CMC.

ADDITIONAL NOTES

1. ELECTRICAL CIRCUIT CARD SHALL BE COMPLETED PRIOR TO REQUESTING ROUGH FRAME, ELECTRICAL INSPECTION.
2. ALL 125-VOLT SINGLE PHASE, 15 AND 20 AMP CIRCUITS INSTALLED IN BEDROOMS, LIVING AREAS, DINING ROOMS AND SIMILIAR AREAS SHALL BE PROTECTED BY AN ARC-FAULT-CIRCUIT-INTERRUPTER(S), (AFCI).
3. ALL 125-VOLT SINGLE PHASE, 15 OR 20-AMPERE-RATED RECEPTABLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCAITON FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIDGERATION EQUIPMENT IN ATTICS AND CRAWL SPACES. THE RECEPTACLES SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25' OF THE HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS (210-63).
4. MAIN ELECTRICAL PANEL TO HAVE MINIMUM BUSBAR RATING OF 200 AMPS AND RESERVE A SPACE THAT IS PERMANENTLY MARKED FOR FUTURE ELECTRICAL FOR A DOUBLE POLE CIRCUIT BREAKER.

ROOF SPECIFICATIONS & NOTES

RF- 1	NEW CLASS "A" ROOFING METAL ROOFING BY RIGID GLOBAL BUILDINDS

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06.01	NEW COLUMN

FLOOR PLAN LEGEND

▭	(N) 2x STUD WALL
▭	(N) 2x STUD WALL, 1 HR FIRE WALL, SEE DETAIL 14 ON A 4.0
?	KEYNOTE TAG
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION. SEE DETAIL #1 ON A 4.0
▨	(N) STONE VENEER FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #3 ON A 4.0
▨	(N) TILE FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #5 ON A 4.0
⊠	(N) CMU BLOCK WALL

ADDITIONAL NOTES

1. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH CFX906 AND CALIFORNIA CODE OF REGULATIONS (CCF) TITLE19
2. DURING CONSTRUCTION AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY IN ALL STORAGE AND CONSTRUCTION SHEDS IN LOCATIONS WHERE FLAMABLE OR COMBUSTIBLE LIQUIDS AREA STORED OR USED AND WHERE OTHER SPECIAL HAZARDS AREA PRESENT PER CGX 14115.1
3. ADDRESS INDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDING IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM PROPERTY. WHERE ACCESS IS BY WAY OF A PRIVATE RAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE.
4. KEY BOXES SHALL BE PROVIDED FOR ALL (HIGH RISE BUILDINGS, POOL ENCLOSURES GATES IN THE PATH OF FIREFIGHTER TRAVEL TO STRUCTURES, SECURED PARKING LEVELS, DOORS GIVING ACCESS TO ALARM PANELS AND OR ENUNCIATORS, AND ANY OTHER) STRUCTURES OR AREAS WHERE ACCESS TO AB AREA US RESTRICTED
5. DUMPSTER AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORES IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENING OR COMBUSTIVE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN TYPE 1 OR A STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD HALL BE OF NON OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED CFC 304.3
6. EXITS, EXITS SIGN, FIRE ALARMS PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL
7. OPEN FLAMES FIRE, AND BURNING ON ALL PREMISES IS PROHIBITED
8. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF OBSTRUCTIONS AT ALL TIME NOT STORAGE IS PERMITTED IN ANY EGRESS PATHS.
9. COMPLETE PLANS AND SPECIFICATIONS FOR ALL FIRE EXTINGUISHING SYSTEMS INCLUDING AUTOMATIC SPRINKLER AND STANDPIPE SYSTEMS AND OTHER SPECIAL FIRE EXTINGUISHING SYSTEMS AND RELATED APPURTENANCES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION
10. FIRE SPRINKLER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 903.3
11. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATERFOWL SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRONICALLY MONITORED WHERE THE NUMBER OF SPRINKLERS SERVED IS 20 OR MORE CBC 903.4
12. ONE APPROVED AUDIBLE DEVISE MUST BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM IN AN APPROVED LOCATION ON THE EXTERIOR OF THE STRUCTURE CBC 903.4.2
13. COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEMS SHALL BE SUBMITTED TO THE CITY OF SAN DIEGO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION CFC 907.1.1
14. FIRE ALARM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 907.6
15. AUTOMATIC FIRE SPRINKLER SYSTEMS AND ALL CONTROL VALUES WITH THE EXCEPTION OF THOSE LISTED IN THE CBC 903.4 SHALL BE MONITORED BY A UL LISTED CENTRAL ALARM SYSTEM

EXIT DOORS

1. ALL EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
2. PROVIDE A SIGN OVER THE MAIN EXTERIOR EXIT DOOR THAT STATES "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS WHEN BUILDING IS OCCUPIED".

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06.01	NEW COLUMN

STUDIO ONE

DIMENSIONED, KEYED, ROOF, ELECTRICAL & REFLECTED CEILING PLAN - BUILDING C

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HANN
C 26663
9/30/25

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
2	1ST FIRE DEPARMENT COMMENTS	07/17/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

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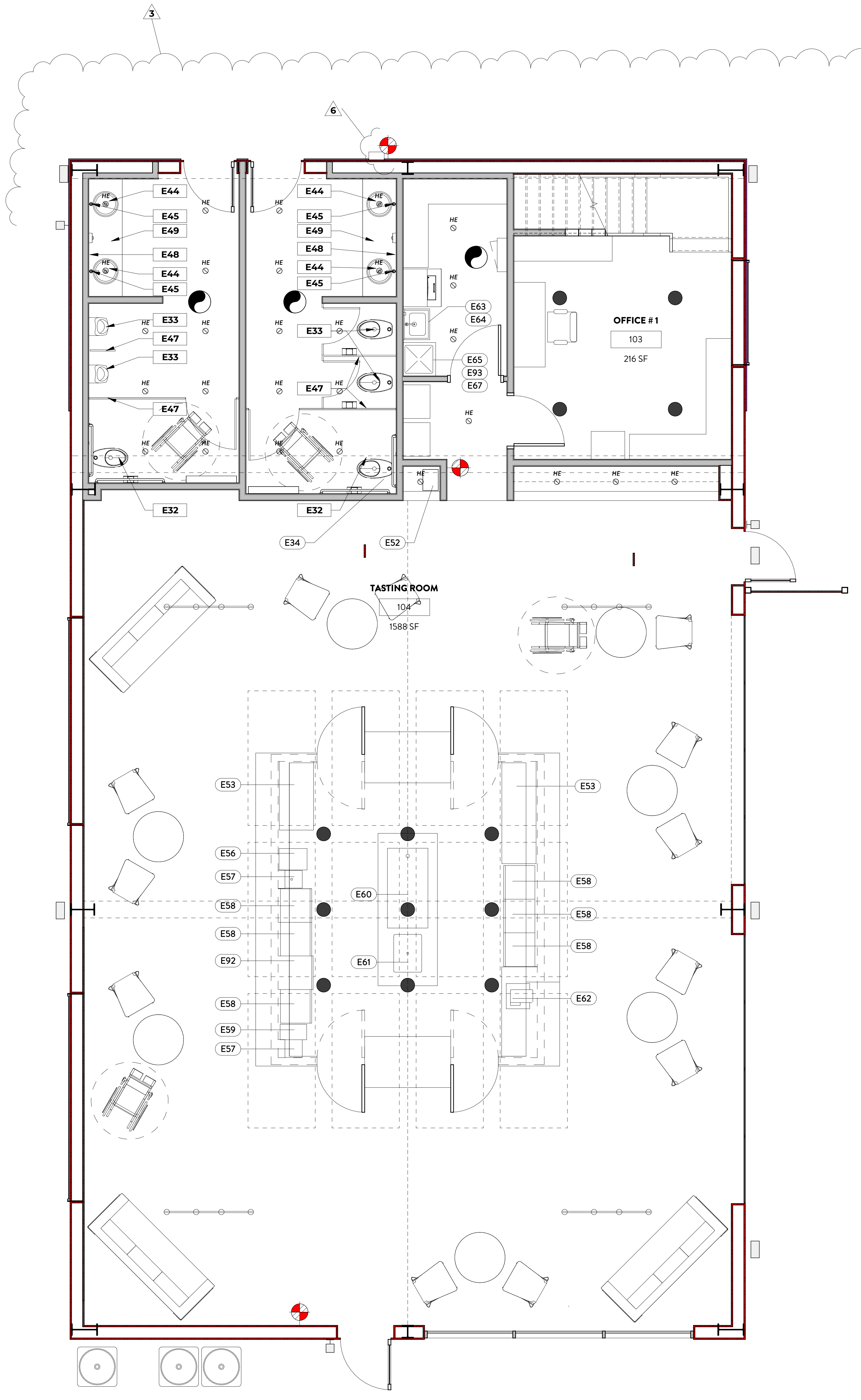
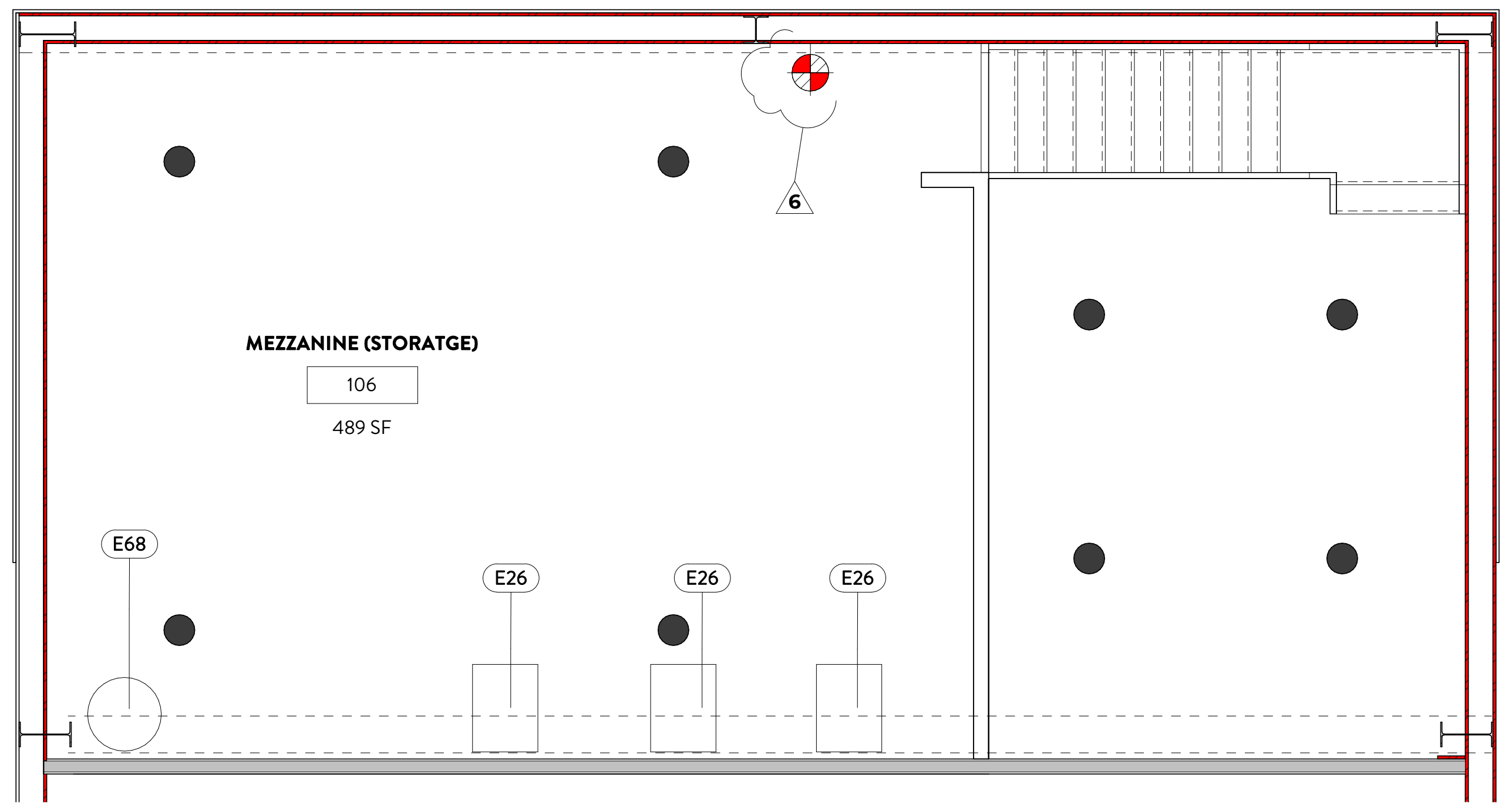


ELECTRICAL & CEILING ELECTRICAL PLAN - BUILDING A
1/4" = 1'-0"

SEE A 1.5 FOR FULL EQUIPMENT SCHEDULE



ELECTRICAL & CEILING ELECTRICAL PLAN - MEZZANINE BUILDING A
1/4" = 1'-0"

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ADDITIONAL NOTES

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4. MAIN ELECTRICAL PANEL TO HAVE MINIMUM BUSBAR RATING OF 200 AMPS AND RESERVE A SPACE THAT IS PERMANENTLY MARKED FOR FUTURE ELECTRICAL FOR A DOUBLE POLE CIRCUIT BREAKER.

ELECTRICAL LEGEND

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TV	ARC FAULT CIRCUIT INTERRUPTOR POWER OUTLET. TO BE LOCATED IN RECESSED TV BOX, 66" AFF.
TD	DATA OUTLET
Ⓣ	THERMOSTAT
P.C. V.S.	PHOTO CELL VACANCY SENSOR
☯ L	EXHAUST FAN WITH LIGHT (50 CFM PER HOUR - MIN) WITH HUMIDISTAT, MAX SOUND RATING OF 1.0 SONE.
⌧	24" x 36" ATTIC ACCESS LOCATION
⊗	CEILING MOUNTED LIGHT FIXTURE
●	PENDANT LIGHT FIXTURE
$	ELECTRICAL SWITH
$ D	ELECTRICAL SWITH W/ DIMMER CONTROL
$ V.S.	ELECTRICAL SWITH W/ VACANCY SENSOR
⏀ UC	DUPLEX POWER OUTLET SET UNDER COUNTER @ 12" A.F.F. FOR APPLIANCE
⏀ AFCI	ARC FAULT CIRCUIT INTERRUPTER POWER OUTLET. TO BE LOCATED IN ALL SLEEPING ROOM 12" A.F.F.
⏀ GFI	DUPLEX POWER OUTLET WITH GFCI @ 36" A.F.F. AND 45" A.F.F. IN KICHEN (U.N.O.)
⊕	LOCATION OF FIRE EXTINGUISHER
⊠	EMERGENCY EXIT SIGNS WITH 90 MINUTE BATTERY BACK UP POWER SUPPLY
⏀ W GFI	EXTERIOR DUPLEX POWER OUTLET WITH WATERPROOF COVER WITH GFI
⏀ EV	DEDICATED 208/40-VOLT OUTLET TO ACCOMODATE EV AND INSTALLATION OF A DEDICATED BRANCH CIRCUIT AND CHARGING STATION(S)
▯	EXTERIOR SPEAKER
C/S	SMOKE AND CARBON MONOXIDE DETECTOR, WITH BATTERY BACKUP.
⊘HE	4" RECESSED CEILING MOUNTED LED CAN LIGHT (HIGH EFFICACY)
▬	WALL-MOUNTED LIGHT FIXTURE
◎	WHOLE HOUSE FAN. SEE WHOLE HOUSE FAN CALCULATIONS FOR FAN MIN SPECIFICATIONS
⊖	CEILING OUTLET
☰	LED SHOP LIGHT
⌓	EXTERIOR LED LIGHT FIXTURE, PER OWNER SELECTION
◐	GARAGE LIGHT FIXTURE
▭	ELECTRICAL PANEL
✚	CEILING FAN. PROVIDE FRAMING SUPPORT
▤	HIGH VOLTAGE HEATERS
◻H	WALL SCONCE

2

STUDIO ONE

ELECTRICAL, EQUIPMENT & REFLECTED CEILING PLAN - BUILDING A

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
2	1ST FIRE DEPARMENT COMMENTS	07/17/24
3	2ND B&S PLAN CHECK COMMENTS	08/23/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

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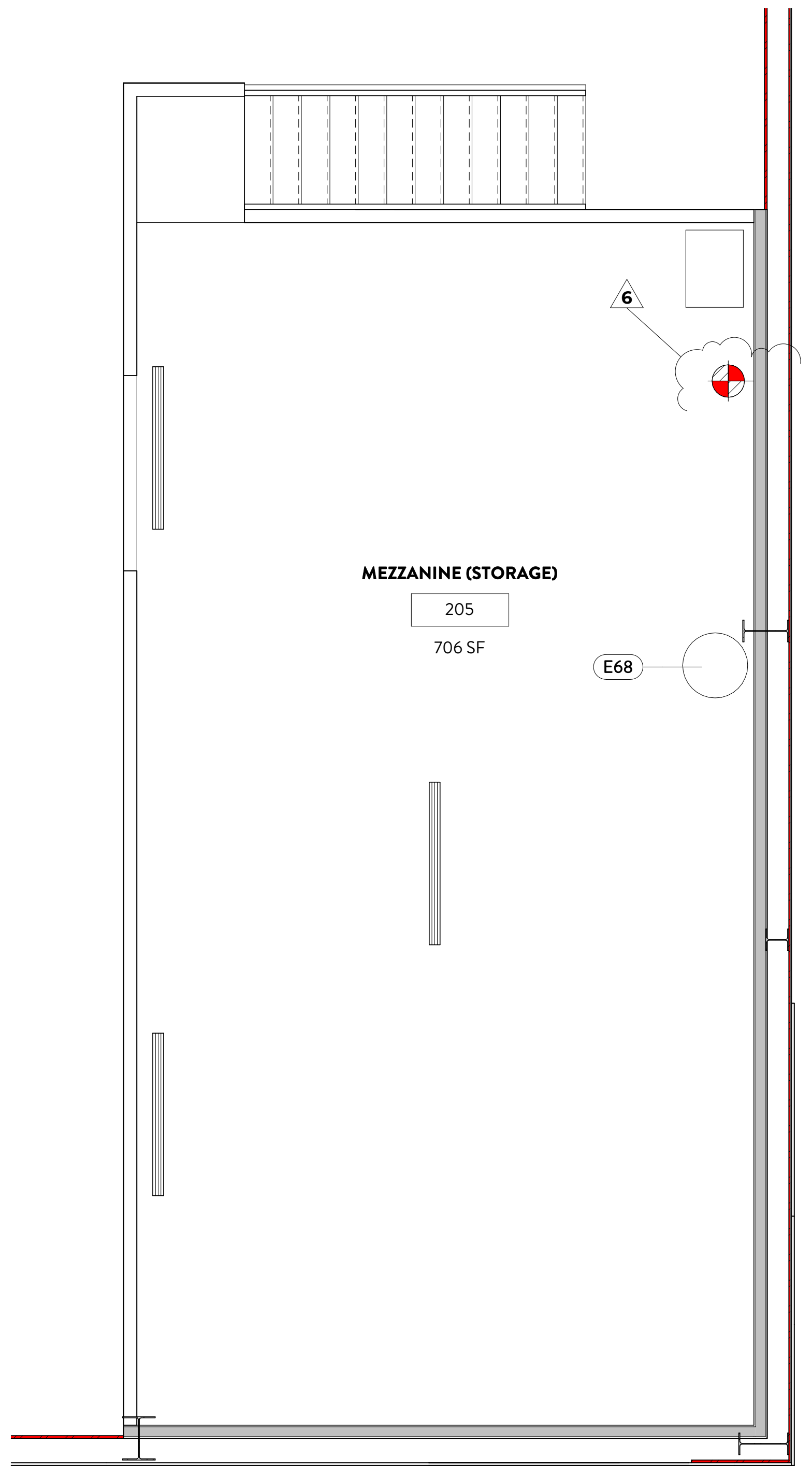
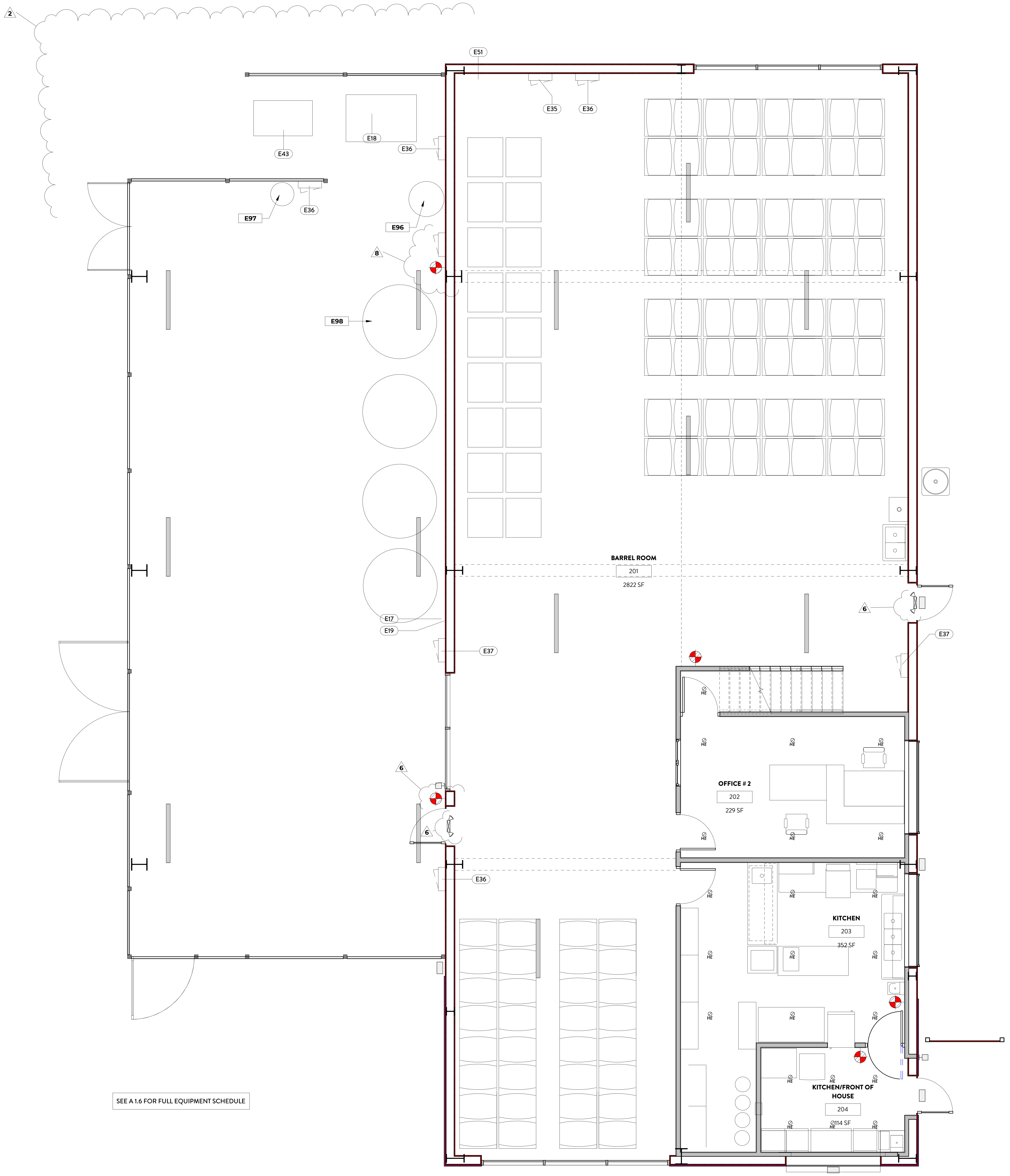
ELECTRICAL LEGEND

T	TELEPHONE JACK
TV	ARC FAULT CIRCUIT INTERRUPTOR POWER OUTLET. TO BE LOCATED IN RECESSED TV BOX, 66" AFF.
TD	DATA OUTLET
T	THERMOSTAT
P.C. V.S.	PHOTO CELL VACANCY SENSOR
L	EXHAUST FAN WITH LIGHT (50 CFM PER HOUR - MIN) WITH HUMIDISTAT, MAX SOUND RATING OF 1.0 SONE.
⊠	24" x 36" ATTIC ACCESS LOCATION
⊗	CEILING MOUNTED LIGHT FIXTURE
●	PENDANT LIGHT FIXTURE
S	ELECTRICAL SWITH
S D	ELECTRICAL SWITH W/ DIMMER CONTROL
S V.S.	ELECTRICAL SWITH W/ VACANCY SENSOR
UC	DUPLEX POWER OUTLET SET UNDER COUNTER @ 12" A.F.F. FOR APPLIANCE
AFCI	ARC FAULT CIRCUIT INTERRUPTER POWER OUTLET. TO BE LOCATED IN ALL SLEEPING ROOM 12" A.F.F.
GFI	DUPLEX POWER OUTLET WITH GFCI @ 36" A.F.F. AND 45" A.F.F. IN KICHEN (U.N.O.)
2	
⊗	LOCATION OF FIRE EXTINGUISHER
	EMERGENCY EXIT SIGNS WITH 90 MINUTE BATTERY BACK UP POWER SUPPLY
6	
W GFI	EXTERIOR DUPLEX POWER OUTLET WITH WATERPROOF COVER WITH GFI
EV	DEDICATED 208/40-VOLT OUTLET TO ACCOMODATE EV AND INSTALLATION OF A DEDICATED BRANCH CIRCUIT AND CHARGING STATION(S)
▯	EXTERIOR SPEAKER
C/S	SMOKE AND CARBON MONOXIDE DETECTOR, WITH BATTERY BACKUP.
⊘HE	4" RECESSED CEILING MOUNTED LED CAN LIGHT (HIGH EFFICACY)
▬	WALL-MOUNTED LIGHT FIXTURE
◎	WHOLE HOUSE FAN. SEE WHOLE HOUSE FAN CALCULATIONS FOR FAN MIN SPECIFICATIONS
⊖	CEILING OUTLET
☰	LED SHOP LIGHT
	EXTERIOR LED LIGHT FIXTURE, PER OWNER SELECTION
	GARAGE LIGHT FIXTURE
	ELECTRICAL PANEL
✚	CEILING FAN. PROVIDE FRAMING SUPPORT
▤	HIGH VOLTAGE HEATERS
□H	WALL SCONCE



2 ELECTRICAL & CEILING ELECTRICAL PLAN - MEZZANINE BUILDING B
1/4" = 1'-0"



SEE A1.6 FOR FULL EQUIPMENT SCHEDULE

1 ELECTRICAL & CEILING ELECTRICAL PLAN - BUILDING B
1/4" = 1'-0"

STUDIO ONE

ELECTRICAL, EQUIPMENT & REFLECTED CEILING PLAN - BUILDING B

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO.	***S1/441.00***

REVISIONS

NO.	DESCRIPTION	DATE
2	1ST FIRE DEPARMENT COMMENTS	07/17/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24
8	4TH FIRE DEPARTMENT COMMENTS	01/28/25

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5

EQUIPMENT SCHEDULE

#	QTY	ITEM	MANUFACTURER, MAKE, MODEL	VOLTAGE	WATTAGE	PHASE	208 VAC AMPS	PLUG TYP AMP
E1	4	TOILET PAPER DISPENSER	LAVEK, 9" SINGLE ROLL					
E6	1	VIBRATING TABLE 1	IMMA, WE-1026-3M	208 VAC		3	15	20
E7	1	ELEVATOR	IMMA, WE-1201-4M	208VAC		3	10	20
E8	1	CRUSHER DE-STEMMER	IMMA, WTM-1110-I-10	208VAC		3	15	20
E9	1	MOG ROLLER	IMMA, WE-1885	208VAC		3	15	20
E10	1	VIBRATING TABLE 2	IMMA, WE-1026-3M	208VAC		3	15	20
E11	1	PERISTALTIC PUMP	CWM, PRST-120H	208VAC		3	15	20
E12	1	PRESS	ATHENA, PR-1002-25HL	208VAC		3	10	20
E13	1	VANE PUMP		208VAC		3	10	20
E14	1	STEAM GENERATOR	ELECTRO STEAM, SWASH-15	208VAC		3	42	50
E15	1	PRESSURE WASHER	SWASH, 16901-3	208VAC		3	22	30
E16	1	SPARE		208VAC		3	15	20
E17	1	FORK LIFT CHARGER		208VAC		3	30	HARD WIRED
E18	1	GLYCOL CHILLER	G&D CHILLERS, GD-10H	208VAC		3	60	HARD WIRED
E19	1	120VAC OUTLET	4-GANG	120VAC		1	20	HARD WIRED
E29	2	HAND DRYER	DYSON, HU02	100-240V	1,000			
E30	2	SOAP DISPENSER	LAVEK, AUTOMATIC FOAMING SOAP/ SOAP DISPENSER					
E31	2	BABY CHANGING STATION	KOALA KARE, KB300-01					
E32	4	TOILET	SLOAN, 2102449					
E33	1	URINAL	SLOAN, 1004000					
E34	2	RESTROOM GRAB BARS	LAVEK					
E35	1	MAIN BREAKER						
E36	4	SUB-PANEL						
E37	2	SUB-PANEL WITH WATER						
E39	1	TRENCH DRAIN						
E40	1	FLOOR DRAIN						
E41	4	FLOOR DRAIN						
E42	1	TELEPHONE/COMMUNICATION PANEL						
E43	1	1200 AMP MAIN SWITCHGEAR						
E44	4	SINK	SLOAN					
E45	4	FAUCET	SLOAN, 3346088					
E47		PARTITIONS	ALL PARTITIONS, STAINLESS STEEL					
E48	2	MIRROR						
E49	2	COUNTER	ARIZONA TILE, BIANCONE QUARTZ					
E51	1	FORK LIFT CHARGER						
E52	1	WATER DISPENSER	MARCO FRIIA, CS	120		1		
E53	1	BACK BAR COOLER	TRUE FOODSERVICE, TBB-24-48-HC	115		1		
E56	1	UNDERCOUNTER ICE MACHINE	ICE-O-MATRIC, UCG060A	115		1		
E57	2	HAND SINK W/ SOAP 2 TOWEL DISPENSER	KROWNE, HS-32					
E58	6	UNDERBAR GLASS RACK	KROWNE, KR24-GSB1					
E59	1	TRASH CAN	RUBBER MAID					
E60	1	DROP-IN FROST TAP	HATCO, FTB-3	120		1		
E61	1	ICE CHECK, DROP-IN	KROWNE, D2712					
E62		POS SYSTEM		120		1		
E63	1	UTILITY SINK	JOHN BAOS & CO., 1B16204					
E64	1	FAUCET, BACKSPLASH MOUNT	FISHER, 13242					
E65	1	MOP SINK	JOHN BAOS & CO., PBMS2016-6					
E66	1	SERVICE SINK	FISHER, 8253					
E67	1	CHEMICAL SUPPLY SHELF	JOHN BAOS & CO., PB-MSS824					
E68	2	WATER HEATER, 50 GAL	AO SMITH, DSE 30 12	208		3		
E69	1	WALL MOUNT SHELF	JOHN BAOS & CO., BHS1236					
E70	1	DISHTABLE	JOHN BAOS & CO., CDT6-S48SBK-L					
E71	1	WAREWASHER	CMA DISHMACHINES, EST-VENTLESS	208		3		
E72	1	PRE-RINSE FAUCET	FISHER, 2010-WB					
E73	1	SHELF	JOHN BAOS & CO.					
E74	1	PREP-TABLE WITH SINK	JOHN BAOS & CO., EPT8R5-3084SSK-L					
E75	1	OVERSHELF TABLE	JOHN BAOS & CO., OSE16RK-1284					
E76	1	UNDERCOUNTER FREEZER	TRUE FOODSERVICE, TUC-27T-HC	115		1		
E77	1	SLICER	GLOBE FOOD EQUIPMENT, G12	115		1		
E78	1	RAPID COOK SERIES	TURBOCHEF, ECO-9500-1	208		1		
E79	1	TABLE	JOHN BAOS & CO.					
E80	1	3 COMP SINK	JOHN BAOS & CO., 3PB16-18-2D18					
E81	1	REFRIGERATOR	TRUE FOOD SERVICE, TPP-AT-67-HC	115		1		
E82	1	PASS-THRU REFRIGERATOR	TRUE FOOD SERVICE, STA1PRT-1G-1G-HC	115		1		
E83	1	REFRIGERATOR WORKTOP	TRUE FOOD SERVICE, TWT-36-HC	115		1		
E84	1	ICE MAKER	MANITOWOC ICE, UDF0240A-161	115		1		
E85	1	BEER TAPS & DRIP TRAY	CUSTOM					
E86		COOLER REFRIGERATION SYSTEM	THERMALRITE	115		1		
E88	4	KEG DOLLY	CHANNEL MANUFACTURING, KDA17					
E89		COOLER SHELVING	OLYMPIC					
E90		6 TIER STORAGE SHELVING	OLYMPIC					
E91	1	2 COMP UTILITY SINK	JOHN BAOS & CO., E2S8-1620-12					
E92	1	UNDERCOUNTER GLASSWASHER	CMA DISHMACHINES, CMA-181G2	208		1		
E94	2	HAND SINK	KROWNE, HS-32					
E95	1	BAR CABINETS	MILLWORK & STONE					
E96	1	AIR COMPRESSOR						
E97	1	NITROGEN TANKS						
E98	4	WINE FERMENTER TANK						

GENERAL NOTES

1. PLEASE REFERENCE AND VERIFY ALL EQUIPMENT LOCATION WITH MEP PLANS INCLUDED IN CONSTRUCTION DRAWING SET
2. REFER TO ALL MEP & EQUIPMENT PLAN TO VERIFY EQUIPMENT SPECIFICATIONS

STUDIO ONE

EQUIPMENT SCHEDULE

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

STATE OF CALIFORNIA
LICENSED ARCHITECT
GREGORY SCOTT HANN
C-25663
REN. 9/30/25

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE
5	3RD B&S PLAN CHECK	11/01/24

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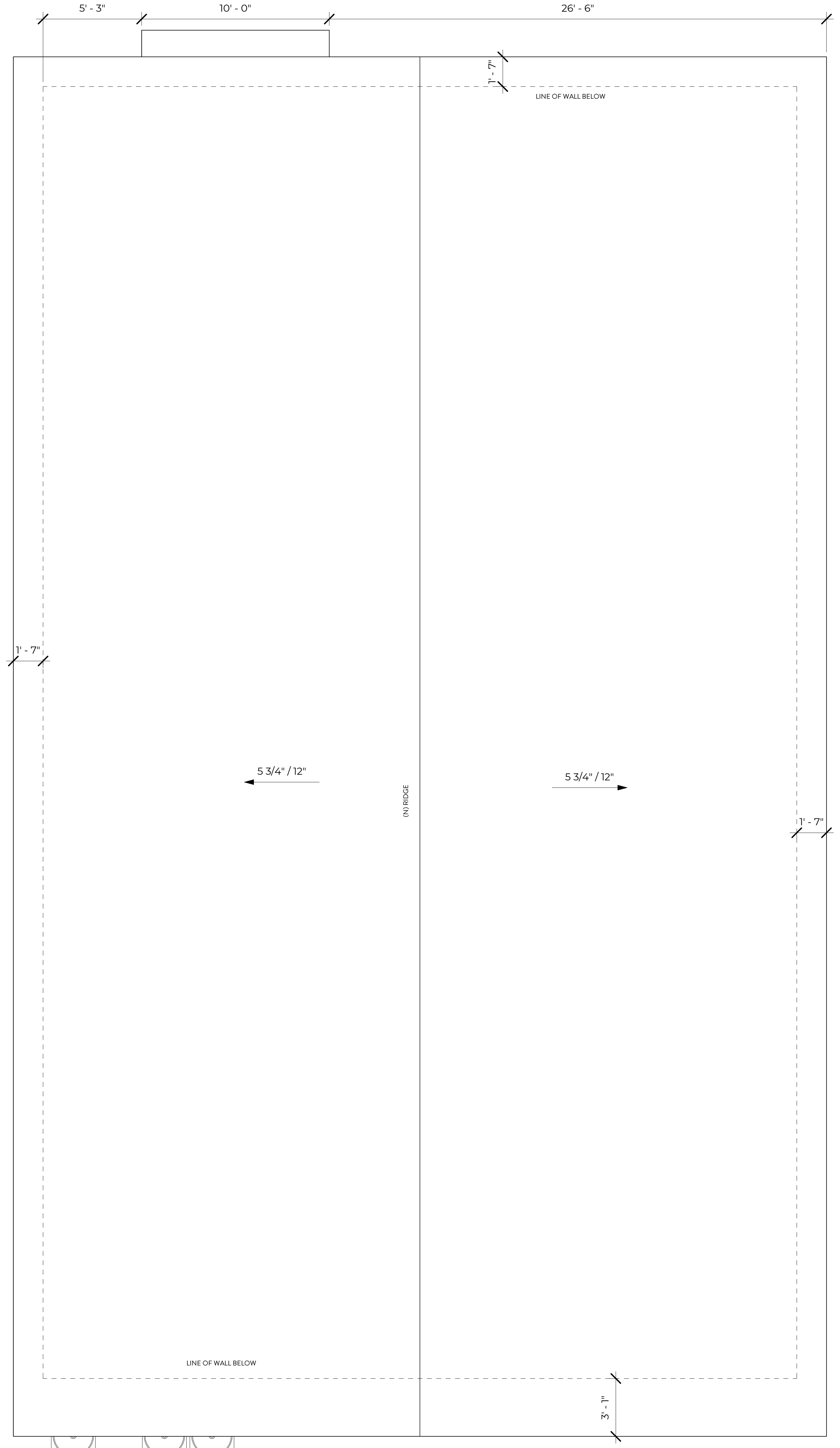
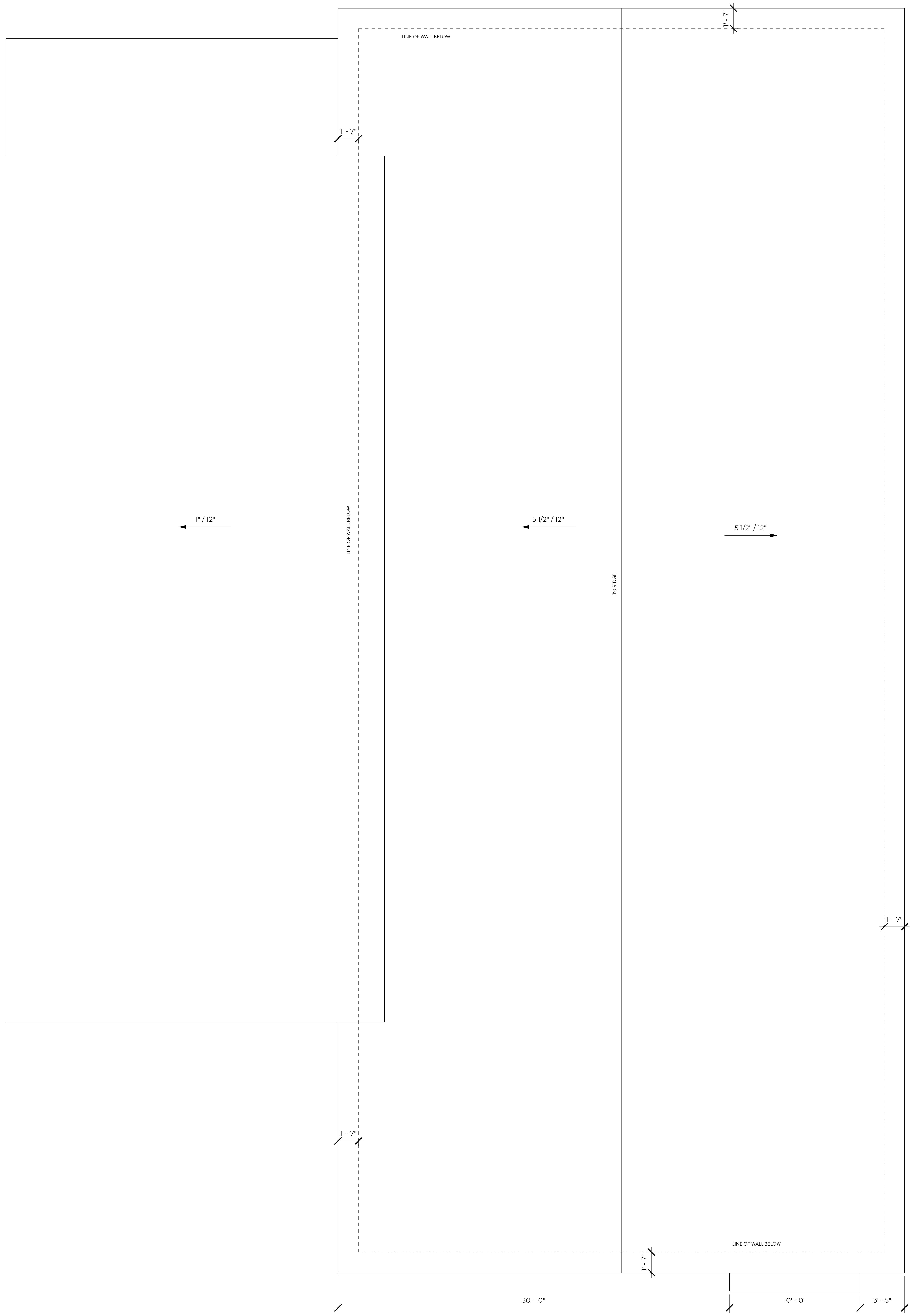


① ROOF PLAN - BUILDING A
1/4" = 1'-0"



② ROOF PLAN - BUILDING B
1/4" = 1'-0"

ROOF SPECIFICATIONS & NOTES

RF- 1 NEW CLASS "A" ROOFING
METAL ROOFING BY RIGID GLOBAL BUILDINGS

STUDIO ONE

ROOF PLAN - BUILDING A & B

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

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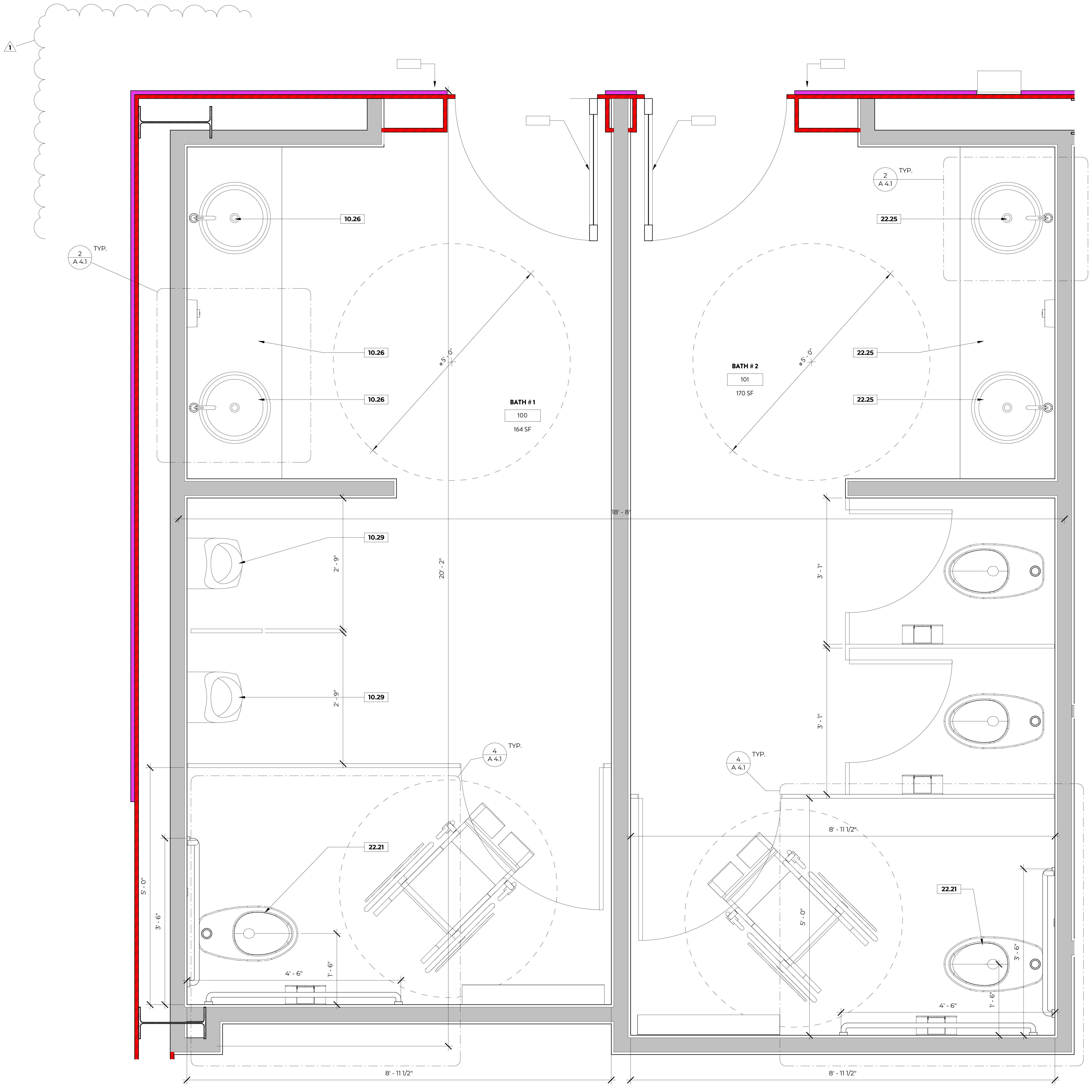

1 RESTROOM PLAN
1" = 1'-0"

GENERAL NOTES

A.	DIMENSION LINES ARE FROM FACE OF FRAMING OR FOUNDATION UNLESS NOTED OTHERWISE.
B.	FACE OF FRAMING ON EXTERIOR WALL IS SAME AS OUTSIDE FACE OF FOUNDATION WALL.
C.	METAL STUDS MAY BE USED IN PLACE OF WOOD STUDS. PLAN DIMENSIONS ARE BASED ON EXTERIOR FINISHES.
D.	MOISTURE RESISTANT GYPSUM TO BE USED IN TOILET ROOM
E.	PROVIDE BLOCKING AS REQ'D FOR ALL EQUIPMENT AND ACCESSORIES.
F.	PROVIDE CLEAR SILICONE SEALANT FOR ALL WALL TRANSITIONS,
G.	ALL MATERIALS AND APPLICATIONS TO MEET OR EXCEED LOCAL OR STATE REQUIREMENTS.
H.	WHEN SIGNS ARE SUED TO IDENTIFY PERMANENT ROOMS AND SPACES OF BUILDINGS, BRAILLE MUST BE INCLUDED AS PART OF THE SIGNAGE AS REQUIRED B CBC1117B.5.1.1
I.	WHEN SIGNS ARE USED TO IDENTIFY EXIT DOORS, EXIT STAIRWAYS, EXIT RAMPS, OR EXIT ROUTES, TACTILE SIGNS PER CBC 1117B.5.1 ARE REQUIRED. CBC 1011.3.
J.	THRESHOLD SHALL BE NOT MORE THAN 12" HIGH BEVELED AT 2 HORIZONTAL TO 1 VERTICAL TO VERTICAL MAXIMUM OF 14". CBC 1133B.2.4.1.
K.	SANITARY FACILITIES ARE REQUIRED TO PROVIDE TWO SEPARATE TYPES OF SIGNAGE; ONE TYPE LOCATED ON THE DOORWAY TO THE FACILITY, AND ANOTHER TYPES MOUNTED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. SIGNAGE TO BE AS SPECIFIED IN CBC SECTION 1115B.6 AND 1117.B.5.
L.	PROVIDE A SIGN ON OUR NEAR THE EXIT DOOR, READING THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. THIS SIGNAGE IS ONLY ALLOWED AT THE MAIN EXIT. SECTION 1008.1.9.3.

RESTROOM NOTES

1. DIMENSIONS FOR LOCATIONS OF FIXTURES AND EQUIPMENT ARE FROM FINISH FACE OF WALL.
2. RESTROOM LAYOUTS ARE DESIGNED TO MEET A.D.A. REQUIREMENTS OF ACCESSIBILITY. ANY DISCREPANCY OR CHANGE IN LAYOUT MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT.
3. DETAIL PLAN OF RESTROOMS RESTROOM REPRESENTS LOCATION OF REQUIRED ACCESSORIES.
4. RESTROOM ACCESSORIES ARE TO BE PROVIDED AND INSTALLED BY THE GENERAL CONTRACTOR.
5. INSTALL RESTROOM ACCESSORIES WITH SCREWS OR BOLTS EXTENDING AT LEAST 1" INTO SOLID BLOCKING.
6. ALL PIPES BELOW ACCESSIBLE LAVATORIES TO BE WRAPPED WITH INSULATION.
7. CONTRACTOR TO ADHERE TO ALL DIMENSIONS REQUIRED FOR ADA.

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
10.26	PROVIDED ADA PIPE WRAP ON ALL EXPOSED PIPING AND NO SHARP OR ABRASIVE SURFACES BELOW LAVATORY 1115B.4.3.(4)
10.29	ADA COMPLIANT URINAL
22.21	ADA COMPLIANT TOILET
22.25	SINK LOCATION. 1.8 GALLONS PER MINUTE, MAXIMUM (GPM) @ 60 PSI

STUDIO ONE

ENLARGED RESTROOM PLAN

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HAHN
C 26663
9/30/25

DESIGNER: STUDIO ONE

JOB NO.	**S1|441.00**

REVISIONS

NO.	DESCRIPTION	DATE
1	1ST B&S & PLAN CHECK COMMENTS	05/24/24

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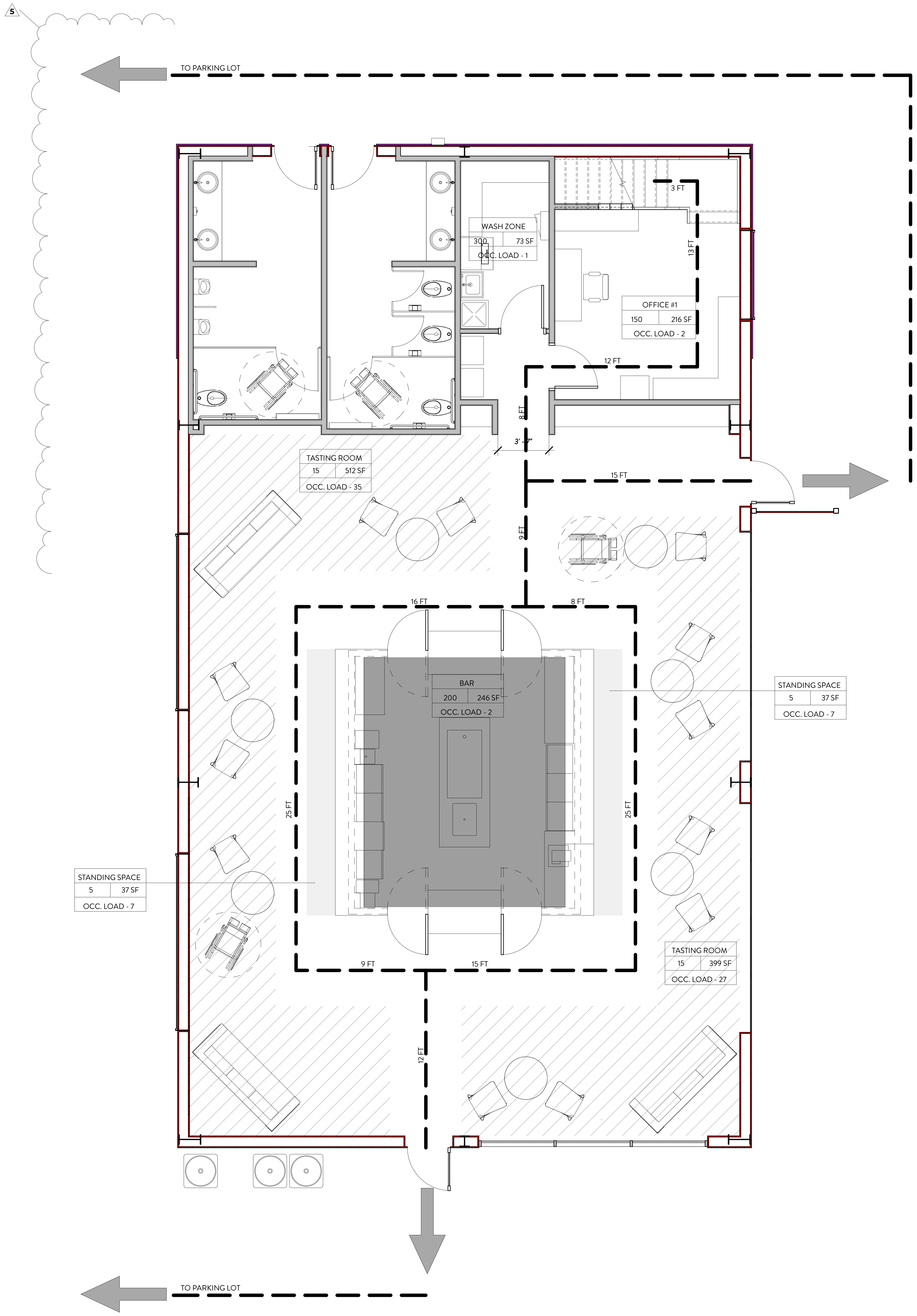
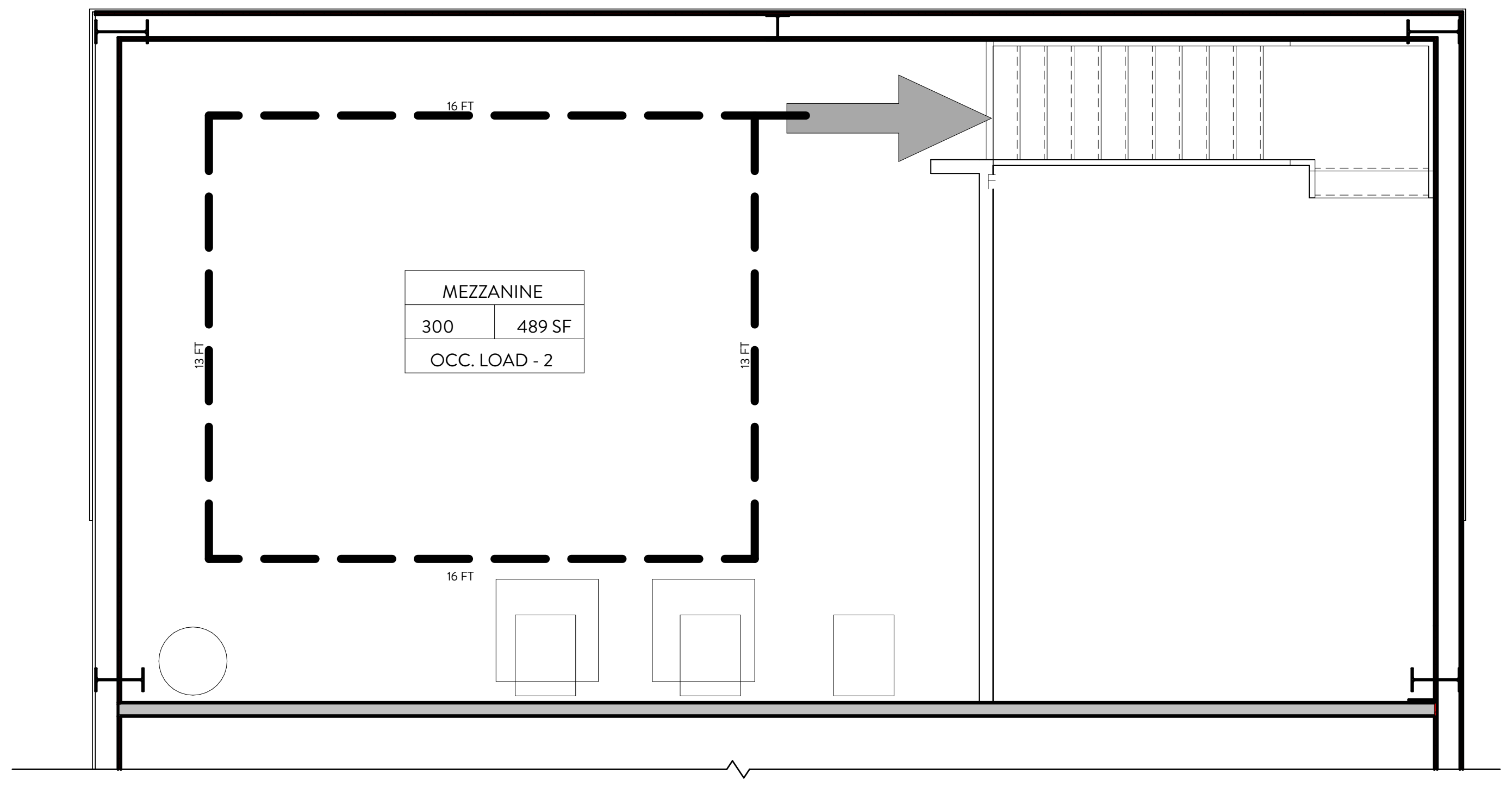


1 FIRE EGRESS BUILDING A
1/4" = 1'-0"



2 FIRE EGRESS BUILDING A MEZZANINE
1/4" = 1'-0"

5

OCCUPANCY

ROOM NAME	FUNCTION OF SPACE	AREA (S.F.)	OCCUPANCY LOAD FACTOR	OCCUPANCY LOAD	EXITS REQUIRED	EXITS PROVIDED
OFFICE #1	BUSINESS	216	150	2	1	2
TASTING ROOM	ASSEMBLY: NO FIXED SEATING, UNCONCENTRATED	911	15	61	2	2
WASH ZONE	STORAGE	73	300	1	1	2
RESTROOM#1		165				
RESTOROM#2		171				
MEZZANINE	STORAGE	489	300	2	1	2
BAR	BAR	246	200	2	1	2
STANDING SPACE		74	5	14	1	2
OCCUPANCY TOTAL		3,080		83	2	2

STUDIO ONE

FIRE EGRESS & FINISH FLOOR PLAN - BUILDING A

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. **S1/441.00**

REVISIONS

NO.	DESCRIPTION	DATE
5	3RD B&S PLAN CHECK	11/01/24

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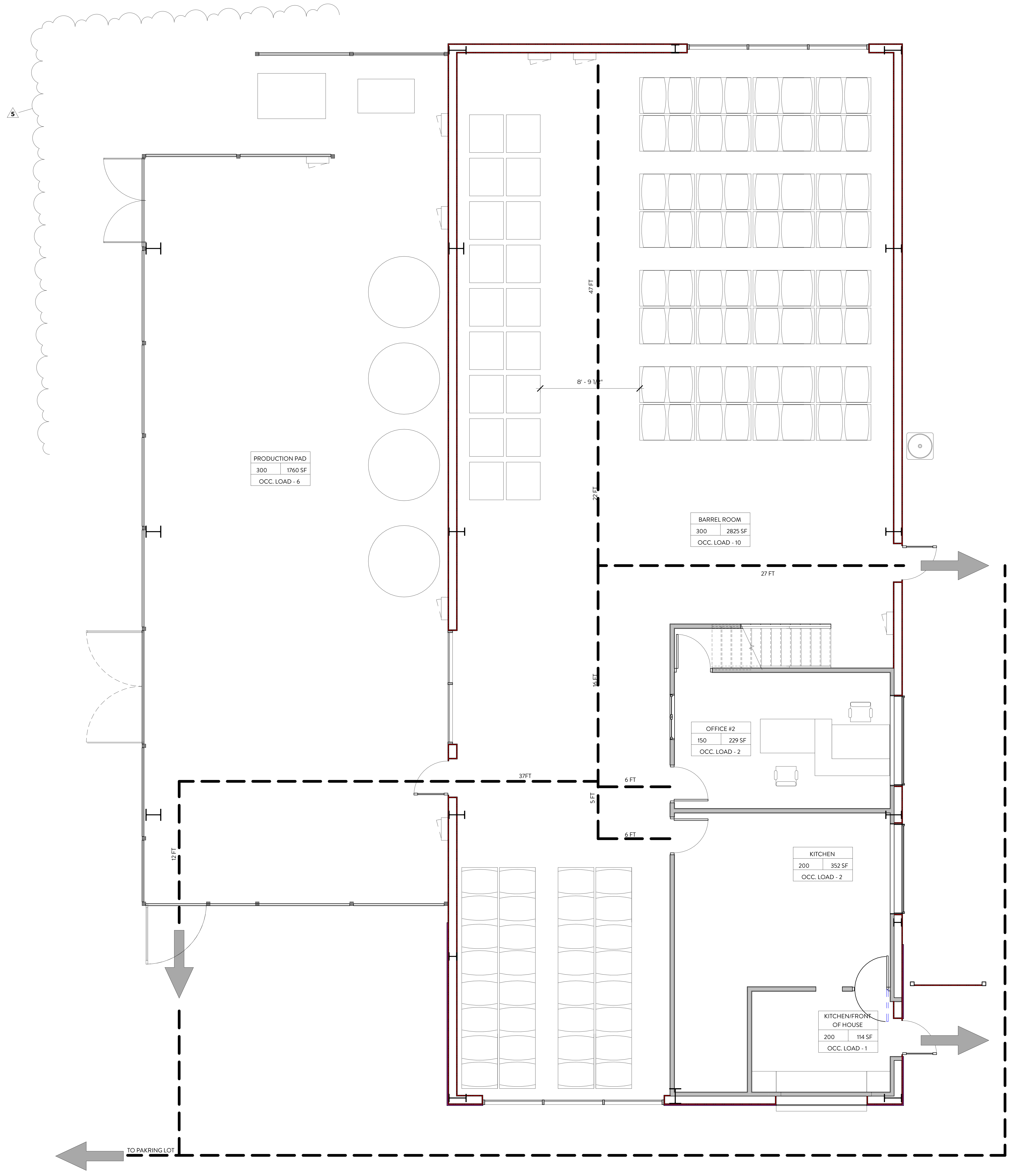
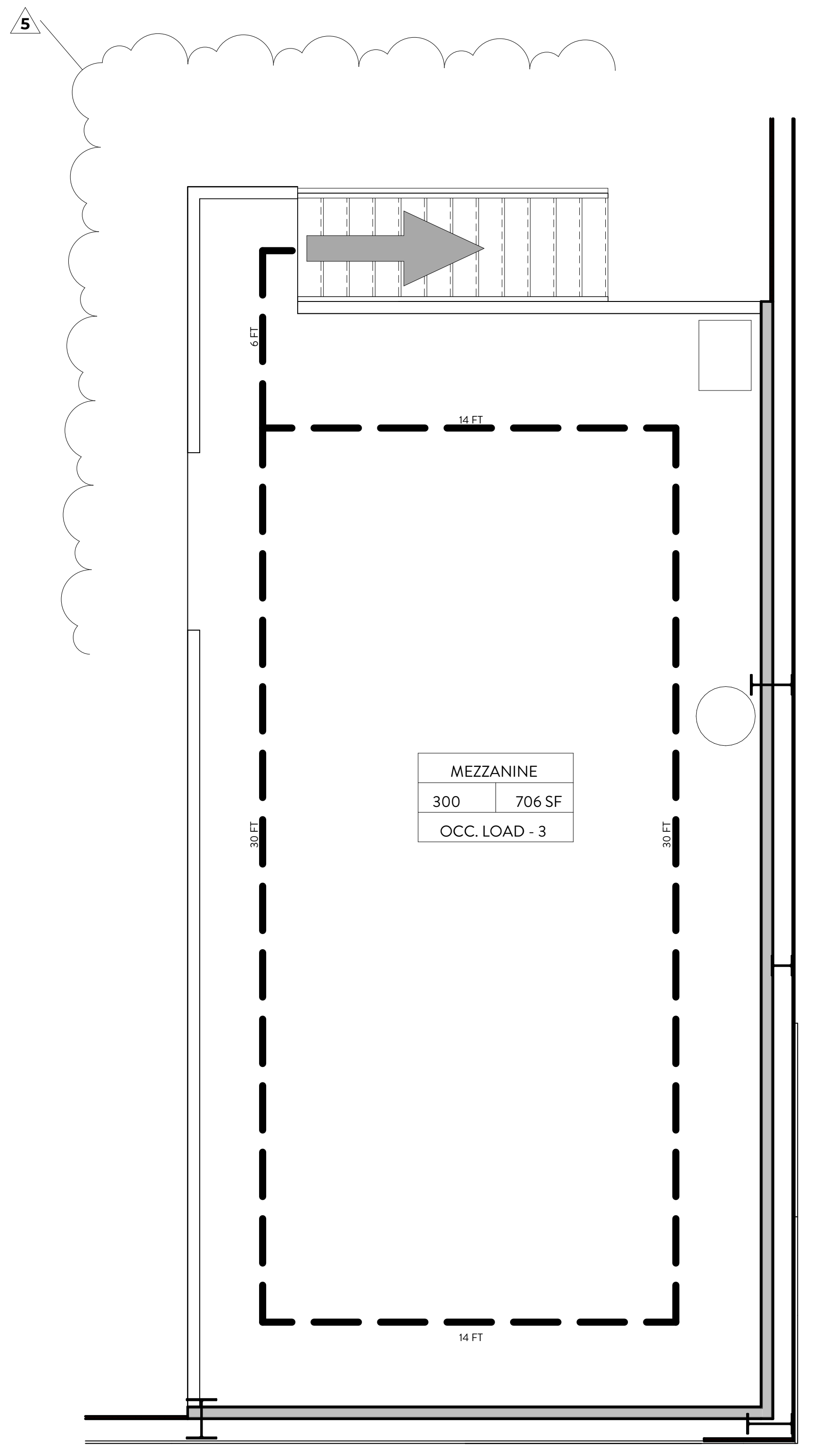


① FIRE EGRESS BUILDING B
1/4" = 1'-0"

5

OCCUPANCY

ROOM NAME	FUNCTION OF SPACE	AREA (S.F.)	OCCUPANCY LOAD FACTOR	OCCUPANCY LOAD	EXITS REQUIRED	EXITS PROVIDED
PRODUCTION PAD	WINERY WINE PROCESSING/PRODUCTION	1,760	300	6	1	3
BARREL ROOM	STORAGE	2,822	300	10	1	3
OFFICE#2	BUSINESS	229	150	2	1	3
KITCHEN	KITCHEN	352	200	2	1	3
KITCHEN / FRONT OF HOUSE	STORAGE	114	200	1	1	3
MEZZANINE	STORAGE	706	300	3	1	3
OCCUPANCY TOTAL		5,983		24	1	3



② FIRE EGRESS BUILDING B MEZZANINE
1/4" = 1'-0"

STUDIO ONE

FIRE EGRESS & FINISH FLOOR PLAN - BUILDING B

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

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5	3RD B&S PLAN CHECK	11/01/24

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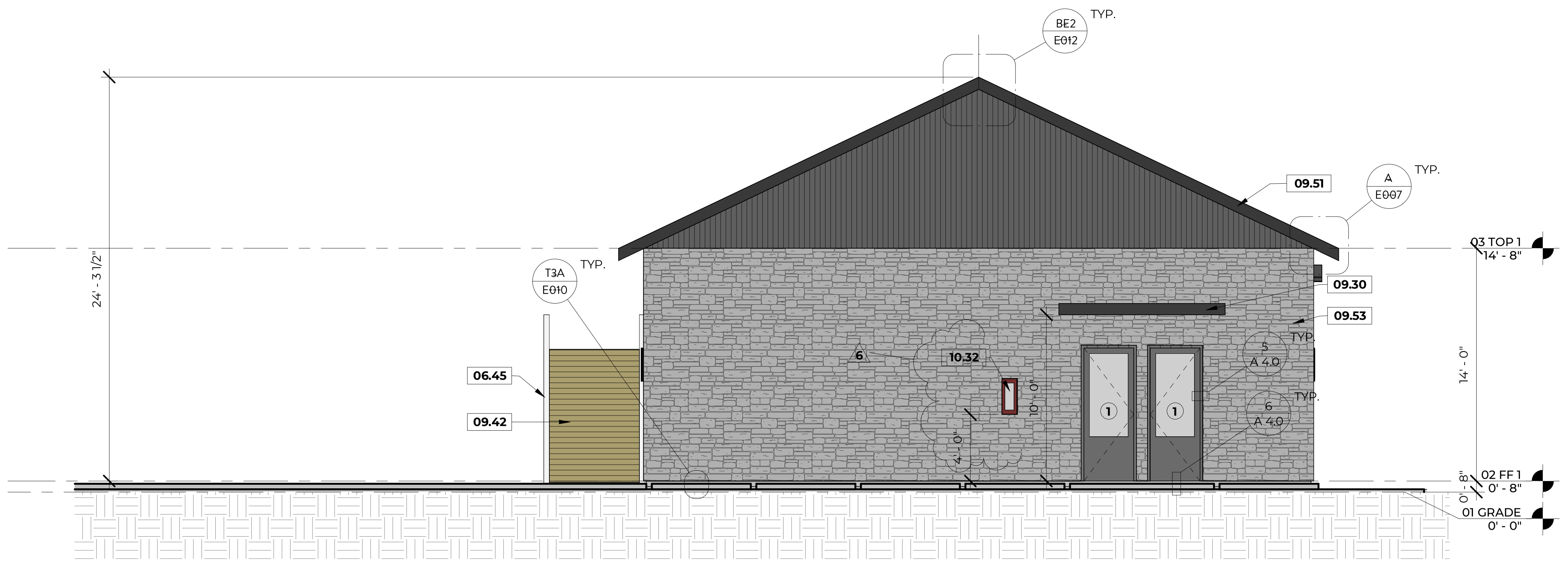
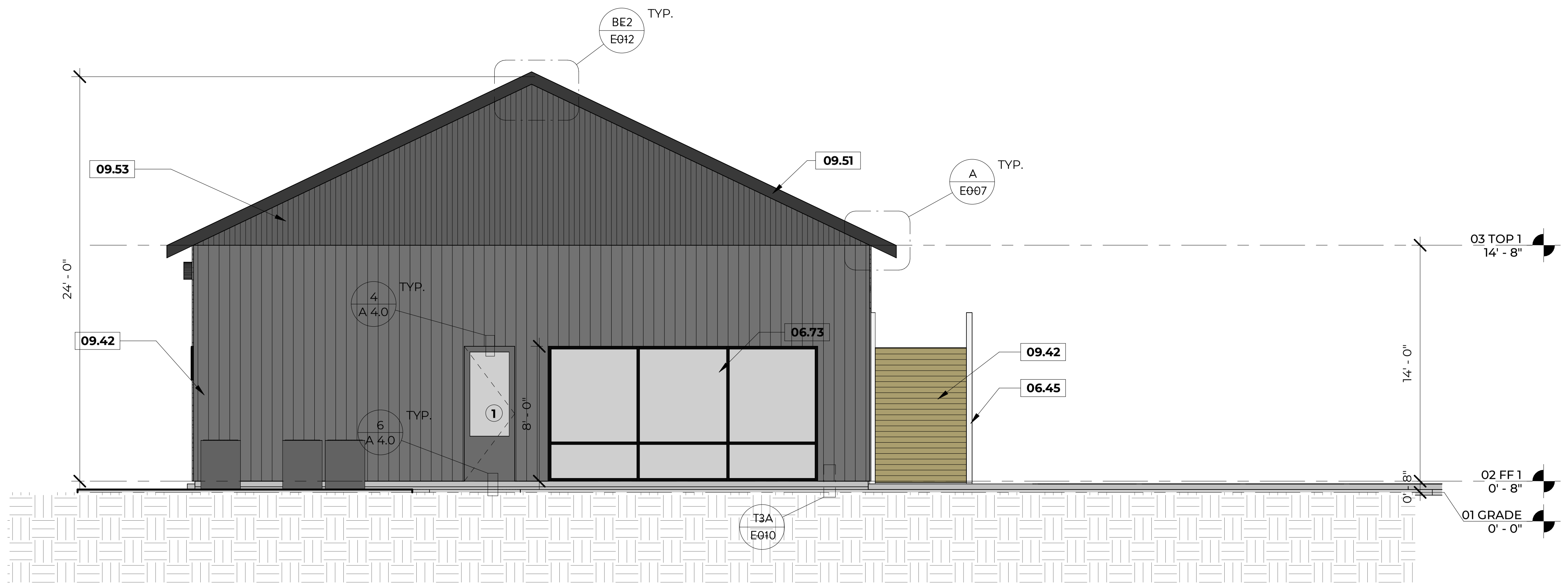
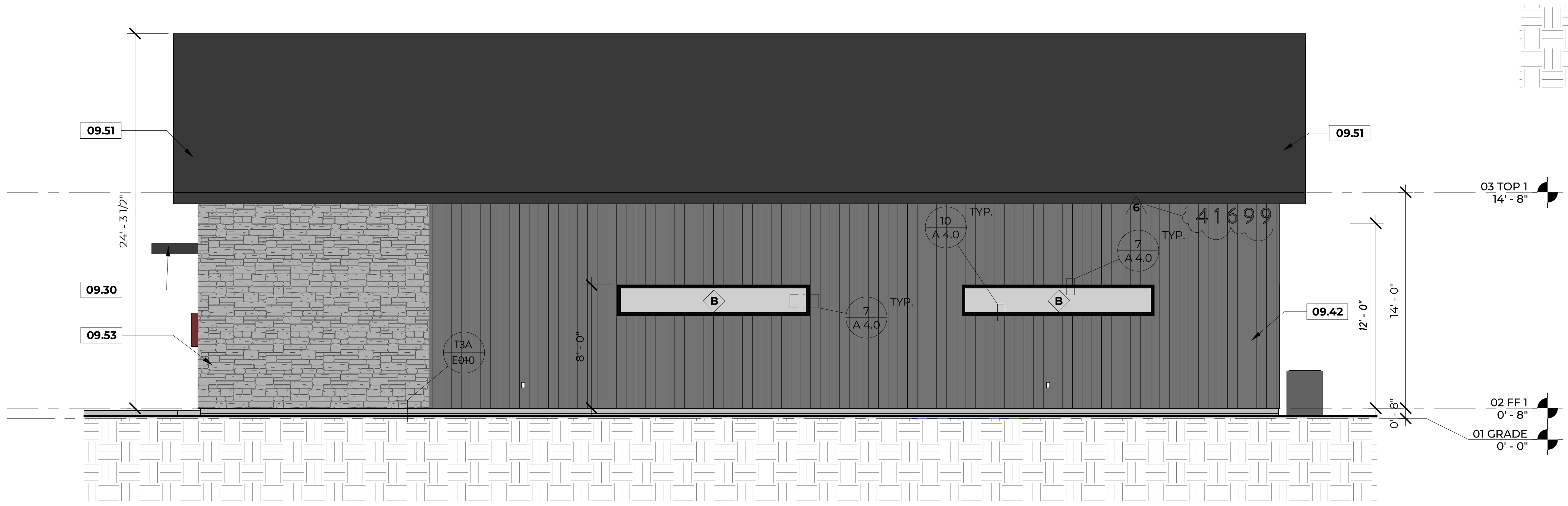


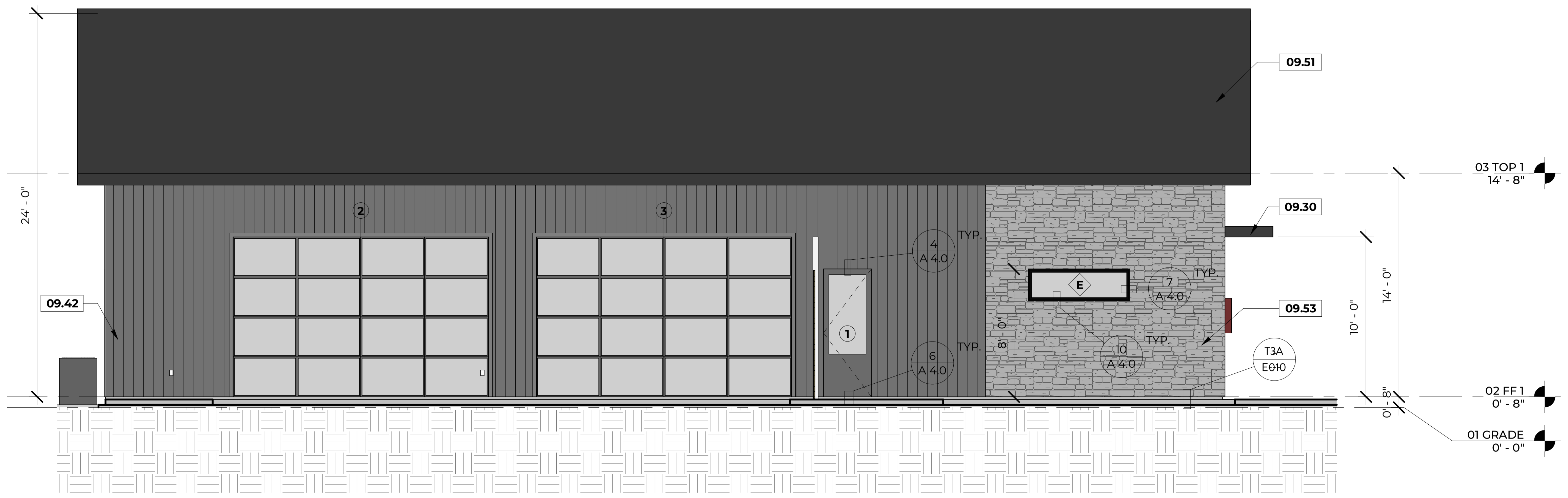
1 NORTH ELEVATION - BUILDING A
3/16" = 1'-0"



2 SOUTH ELEVATION - BUILDING A2
3/16" = 1'-0"



3 WEST ELEVATION - BUILDING A
3/16" = 1'-0"



4 EAST ELEVATION - BUILDING A
3/16" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06.45	4X4 TUBE STEEL COLUMN
06.73	(N) CURTAIN WALL, GLASS TO BE TEMPERED
09.30	METAL AWNING, BY LAWRENCE FABRIC & METAL STRUCTURES OR SIMILAR. INSTALL PER MANUFACTURER SPECIFICATIONS
09.42	ENGINEERED WOOD SIDING, BY AZEK OR SIMILIAR, ICC ER ESR#4508
09.51	NEW STEEL ROOFING
09.53	NEW STONE FINISH EXTERIOR. PER OWNER SELECTION
10.32	FIRE EXTINGUISHER TO BE LOCATED WITHIN EXTERIOR WALL CABINET

STUDIO ONE

EXTERIOR ELEVATIONS - BUILDING A

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO.	**S1/441.00**

REVISIONS

NO.	DESCRIPTION	DATE
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

A 2.0

3/4/2025 7:35:53 AM

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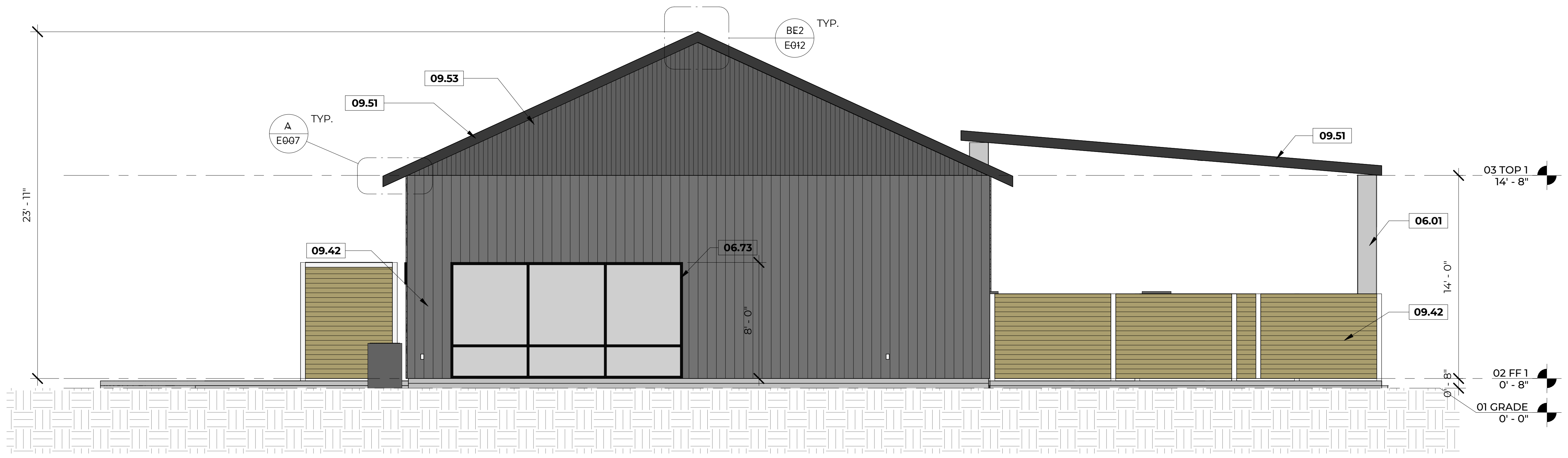
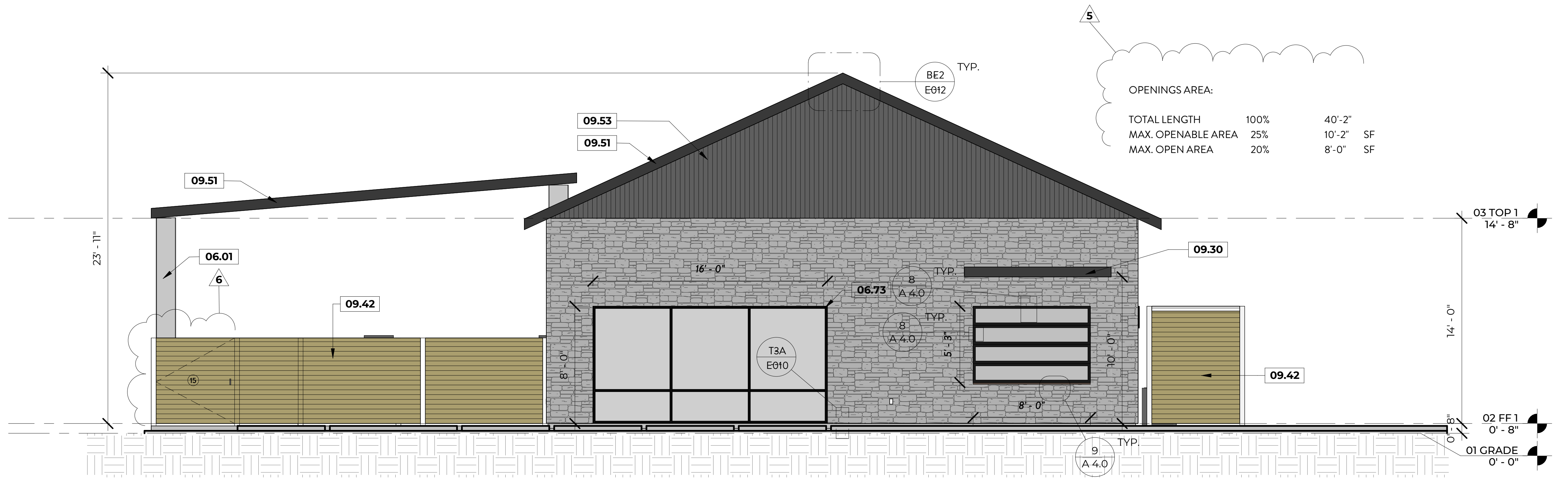


1 NORTH ELEVATION - BUILDING B
3/16" = 1'-0"

KEYNOTE LEGEND

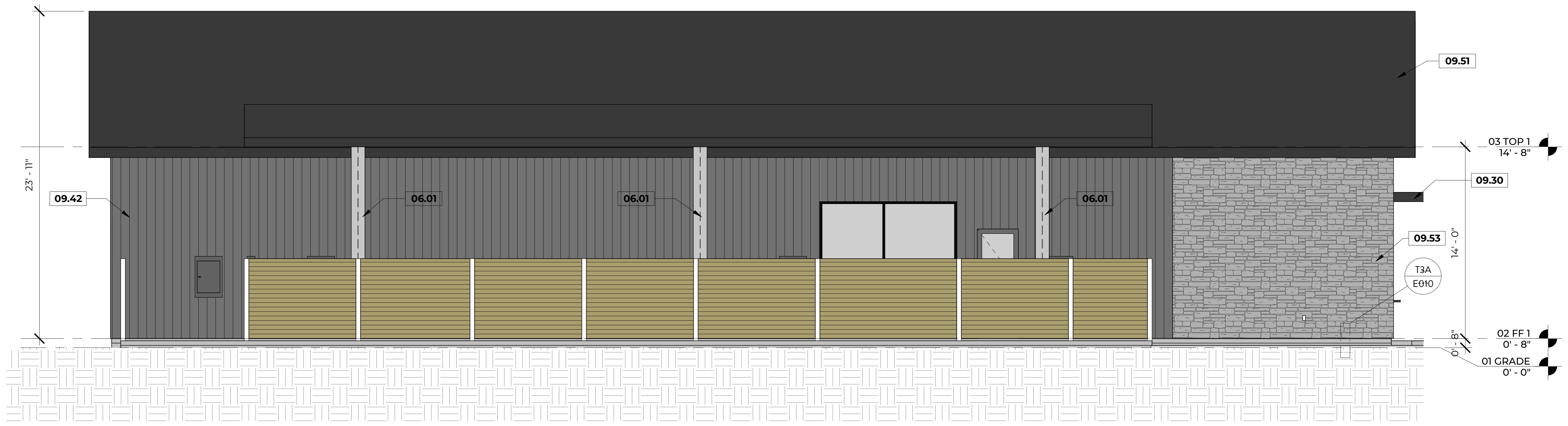
KEY VALUE	KEYNOTE TEXT
06.01	NEW COLUMN
06.73	(N) CURTAIN WALL, GLASS TO BE TEMPERED
09.30	METAL AWNING, BY LAWRENCE FABRIC & METAL STRUCTURES OR SIMILAR. INSTALL PER MANUFACTURER SPECIFICATIONS
09.42	ENGINEERED WOOD SIDING, BY AZEK OR SIMILIAR, ICC ER ESR#4508
09.51	NEW STEEL ROOFING
09.53	NEW STONE FINISH EXTERIOR. PER OWNER SELECTION



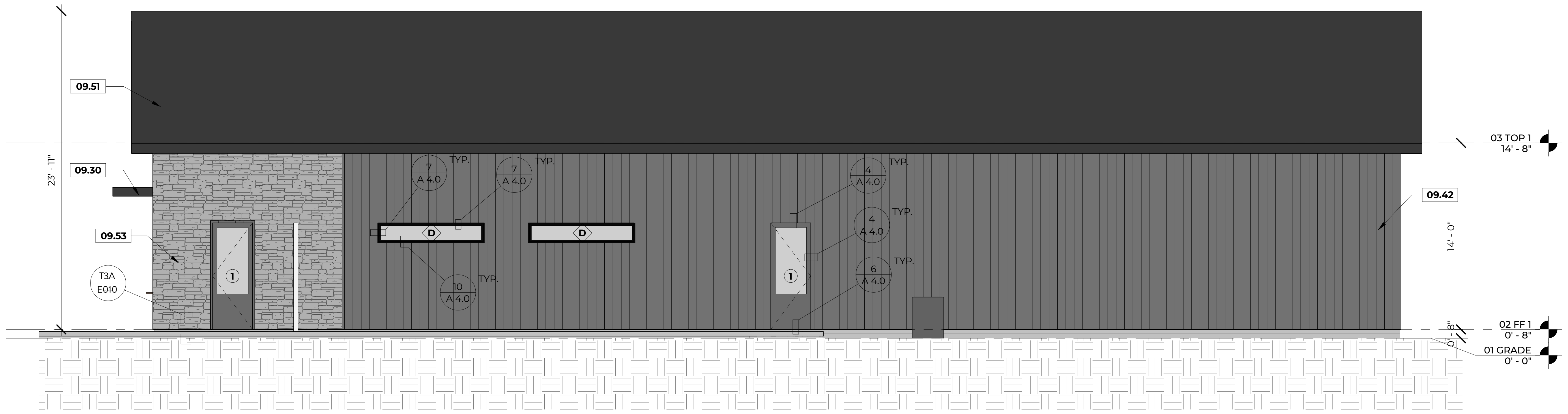
OPENINGS AREA:

TOTAL LENGTH	100%	40'-2"	
MAX. OPENABLE AREA	25%	10'-2"	SF
MAX. OPEN AREA	20%	8'-0"	SF

2 SOUTH ELEVATION - BUILDING B
3/16" = 1'-0"



3 WEST ELEVATION - BUILDING B
3/16" = 1'-0"



4 EAST ELEVATION - BUILDING B
3/16" = 1'-0"

STUDIO ONE

EXTERIOR ELEVATIONS - BUILDING B

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. *S1|441.00*

REVISIONS

NO.	DESCRIPTION	DATE
5	3RD B&S PLAN CHECK	11/01/24
6	3RD FIRE DEPARTMENT COMMENTS	11/21/24

A 2.1

3/4/2025 7:35:54 AM

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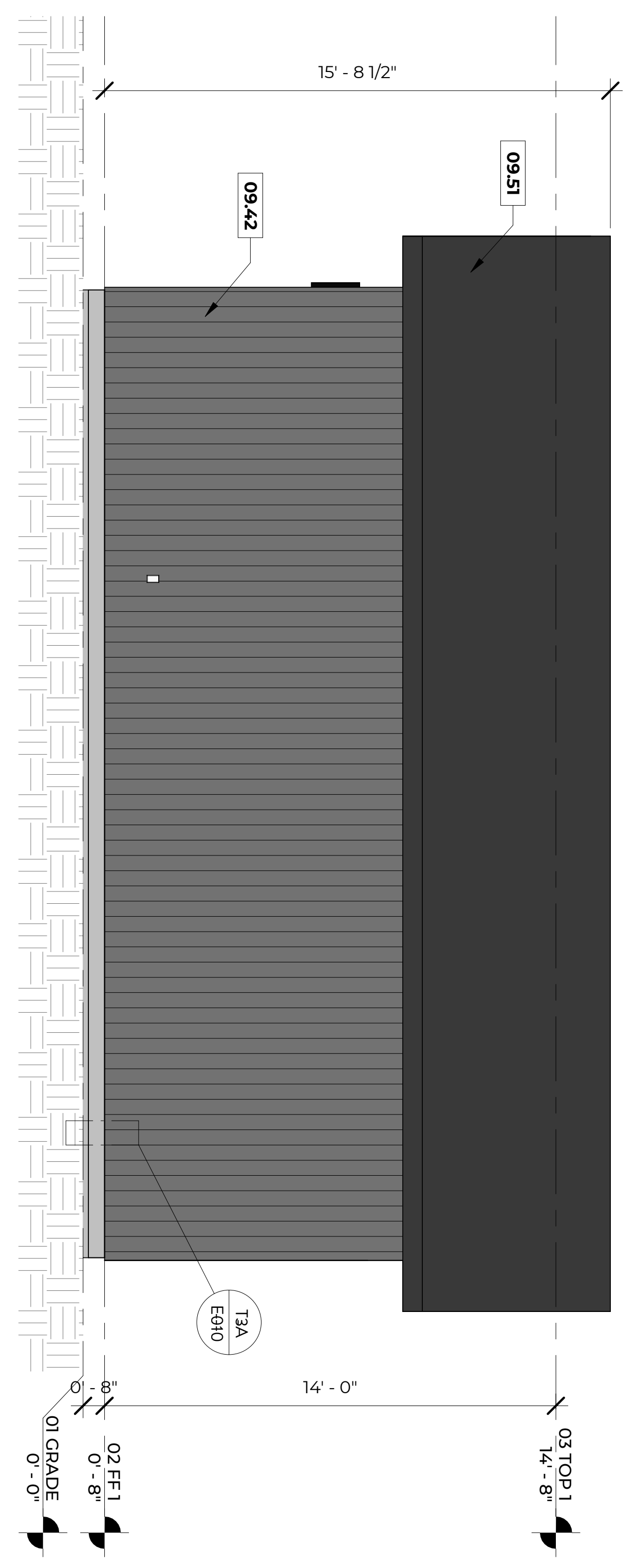
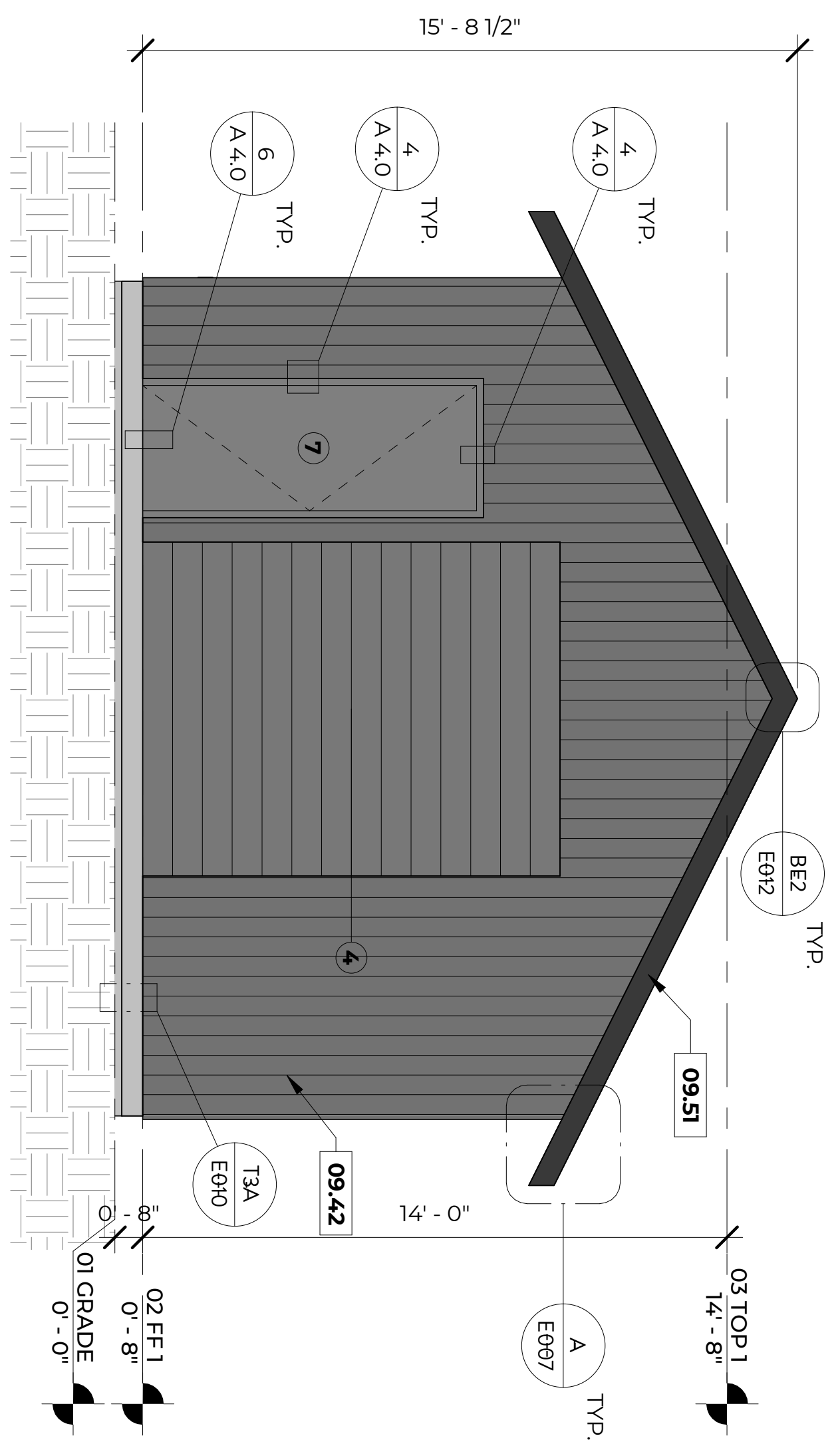
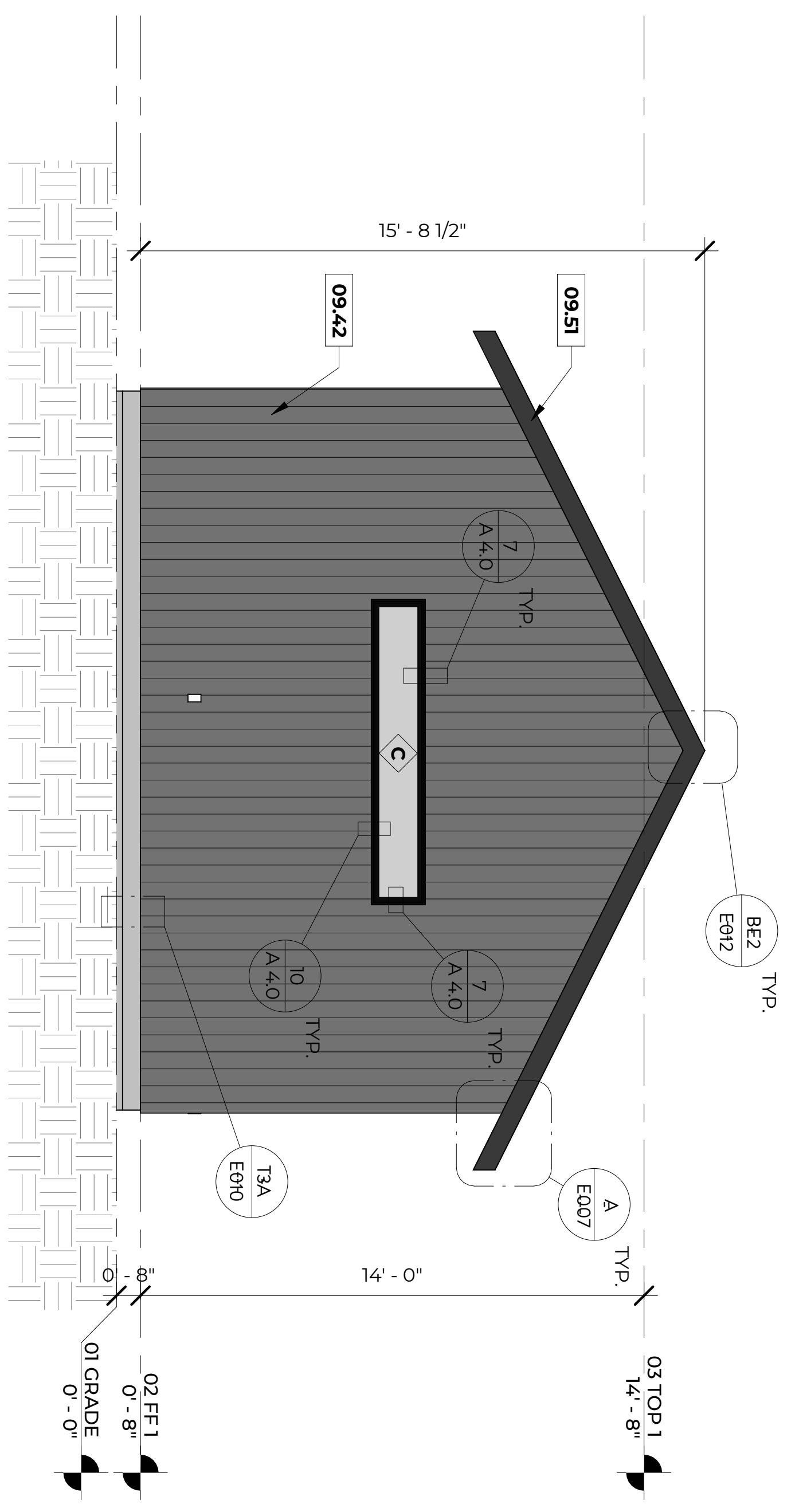


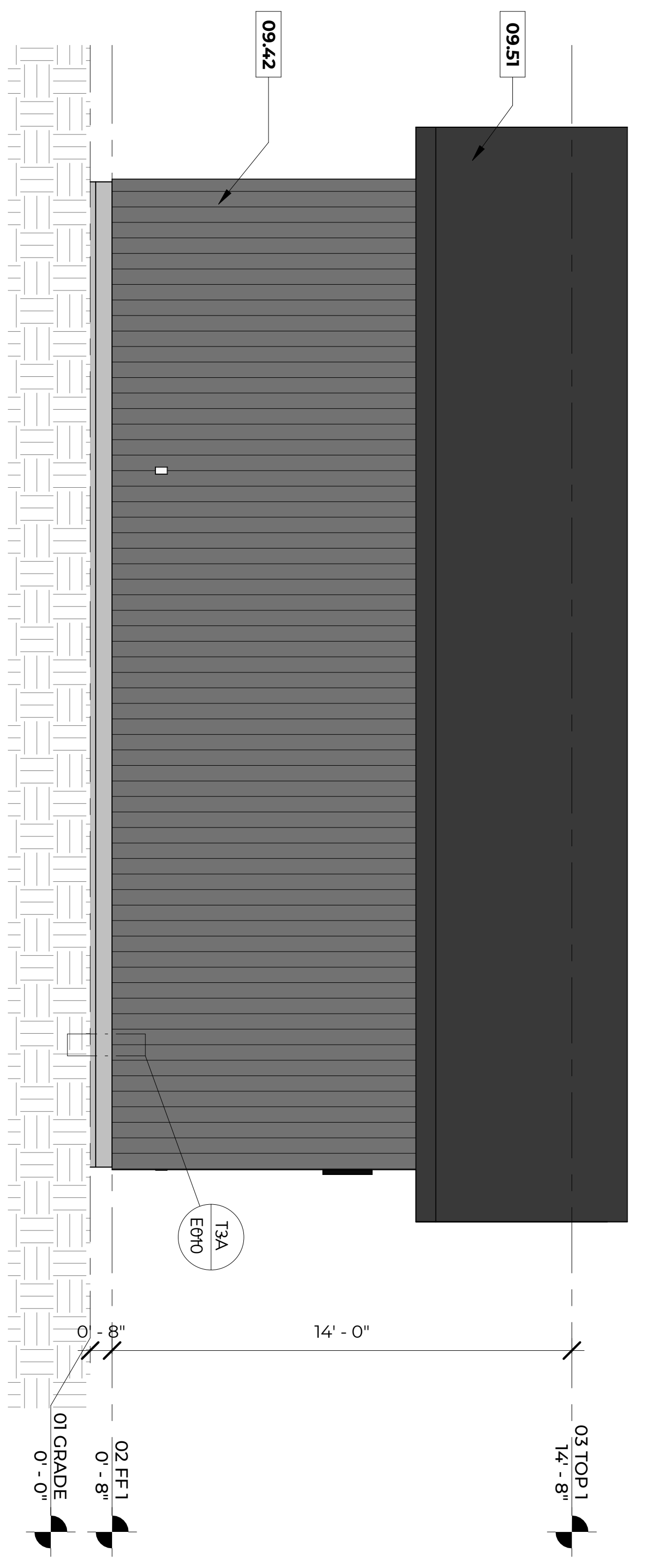
1 EAST ELEVATION - BUILDING C
1/4" = 1'-0"



2 NORTH ELEVATION - BUILDING C
1/4" = 1'-0"



3 SOUTH ELEVATION - BUILDING C
1/4" = 1'-0"



4 WEST ELEVATION - BUILDING C
1/4" = 1'-0"

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
09.42	ENGINEERED WOOD SIDING, BY AZEK OR SIMILIAR, ICC ER ESR#4508
09.51	NEW STEEL ROOFING

EXTERIOR ELEVATIONS - BUILDING C

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

STUDIO ONE

DESIGNER: STUDIO ONE

JOB NO. S1441.00

REVISIONS

NO.	DESCRIPTION	DATE

A 2.2

3/4/2025 7:35:56 AM

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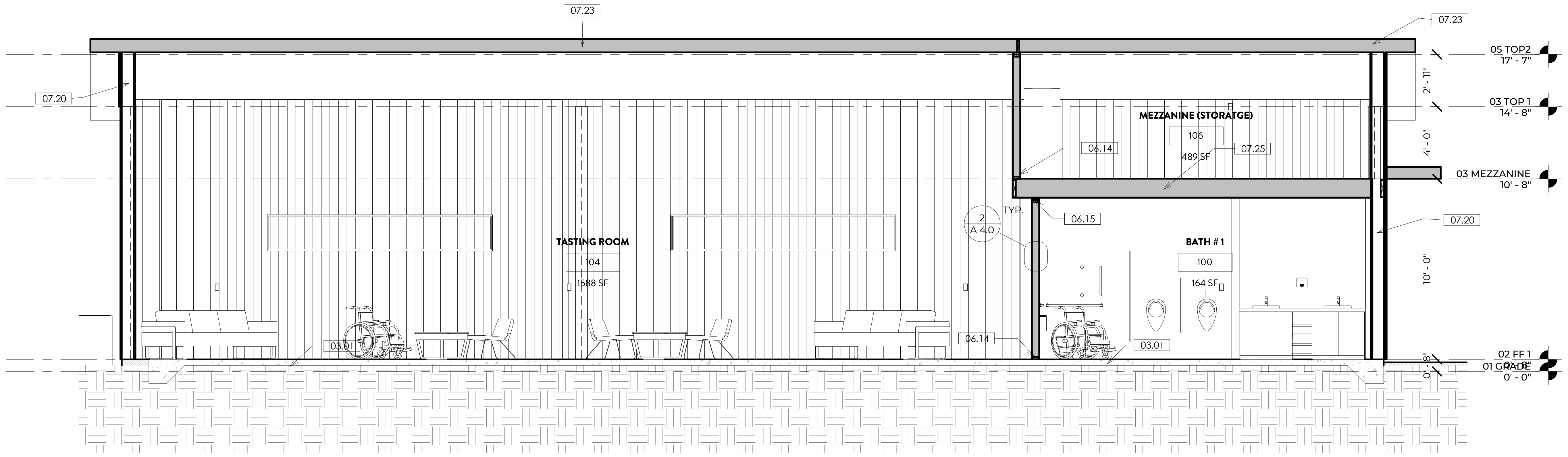
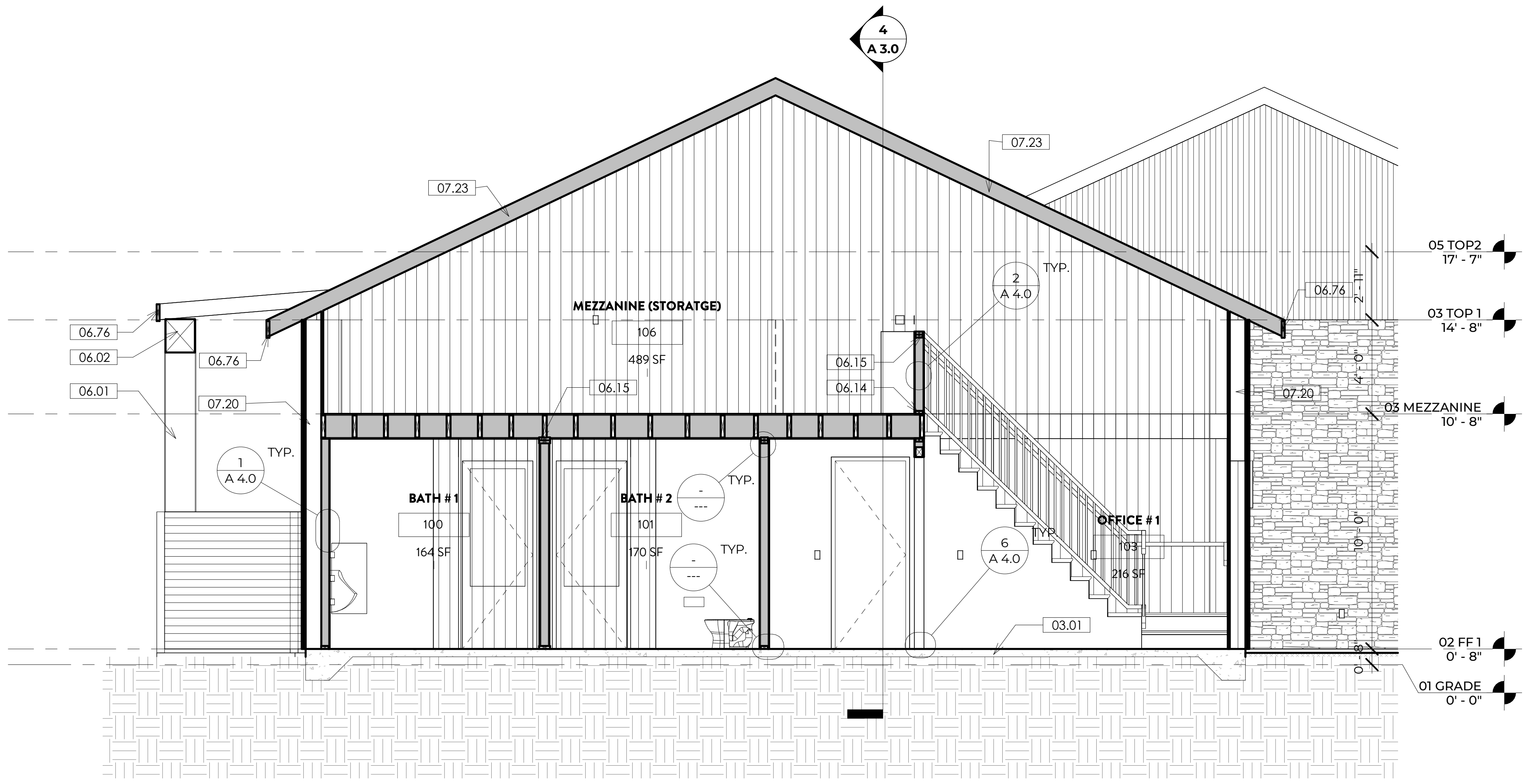
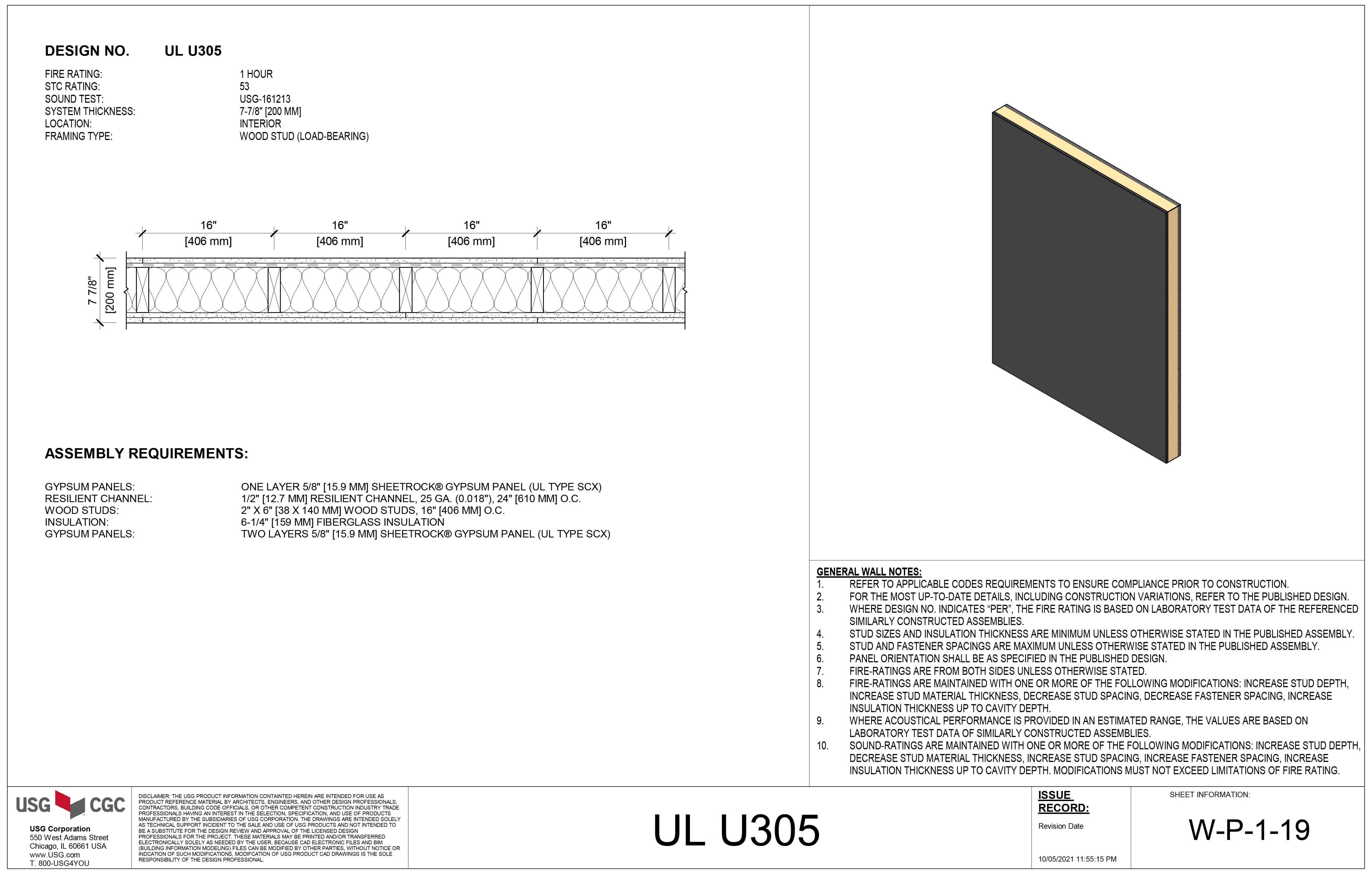


1 SECTION 1 BUILDING A
1/4" = 1'-0"



2 SECTION 2 BUILDING A
1/4" = 1'-0"



DESIGN NO. UL U305

FIRE RATING:	1 HOUR
STC RATING:	53
SOUND TEST:	USG-161213
SYSTEM THICKNESS:	7-7/8" [200 MM]
LOCATION:	INTERIOR
FRAMING TYPE:	WOOD STUD (LOAD-BEARING)

16"
[406 mm]
16"
[406 mm]
16"
[406 mm]
16"
[406 mm]
7 7/8"
[200 mm]

ASSEMBLY REQUIREMENTS:

GYPSUM PANELS:	ONE LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL (UL TYPE SCX)
RESILIENT CHANNEL:	1/2" [12.7 MM] RESILIENT CHANNEL, 25 GA. (0.018"), 24" [610 MM] O.C.
WOOD STUDS:	2" X 6" [38 X 140 MM] WOOD STUDS, 16" [406 MM] O.C.
INSULATION:	6-1/4" [159 MM] FIBERGLASS INSULATION
GYPSUM PANELS:	TWO LAYERS 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL (UL TYPE SCX)

GENERAL WALL NOTES:

1. REFER TO APPLICABLE CODES REQUIREMENTS TO ENSURE COMPLIANCE PRIOR TO CONSTRUCTION.
2. FOR THE MOST UP-TO-DATE DETAILS, INCLUDING CONSTRUCTION VARIATIONS, REFER TO THE PUBLISHED DESIGN.
3. WHERE DESIGN NO. INDICATES "PER", THE FIRE RATING IS BASED ON LABORATORY TEST DATA OF THE REFERENCED SIMILARLY CONSTRUCTED ASSEMBLIES.
4. STUD SIZES AND INSULATION THICKNESS ARE MINIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
5. STUD AND FASTENER SPACINGS ARE MAXIMUM UNLESS OTHERWISE STATED IN THE PUBLISHED ASSEMBLY.
6. PANEL ORIENTATION SHALL BE AS SPECIFIED IN THE PUBLISHED DESIGN.
7. FIRE-RATINGS ARE FROM BOTH SIDES UNLESS OTHERWISE STATED.
8. FIRE-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, INCREASE STUD MATERIAL THICKNESS, DECREASE STUD SPACING, DECREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH.
9. WHERE ACOUSTICAL PERFORMANCE IS PROVIDED IN AN ESTIMATED RANGE, THE VALUES ARE BASED ON LABORATORY TEST DATA OF SIMILARLY CONSTRUCTED ASSEMBLIES.
10. SOUND-RATINGS ARE MAINTAINED WITH ONE OR MORE OF THE FOLLOWING MODIFICATIONS: INCREASE STUD DEPTH, DECREASE STUD MATERIAL THICKNESS, INCREASE STUD SPACING, INCREASE FASTENER SPACING, INCREASE INSULATION THICKNESS UP TO CAVITY DEPTH. MODIFICATIONS MUST NOT EXCEED LIMITATIONS OF FIRE RATING.

USG CGC
USG Corporation
550 West Adams Street
Chicago, IL 60661 USA
www.USG.com
T. 800-USG4YOU

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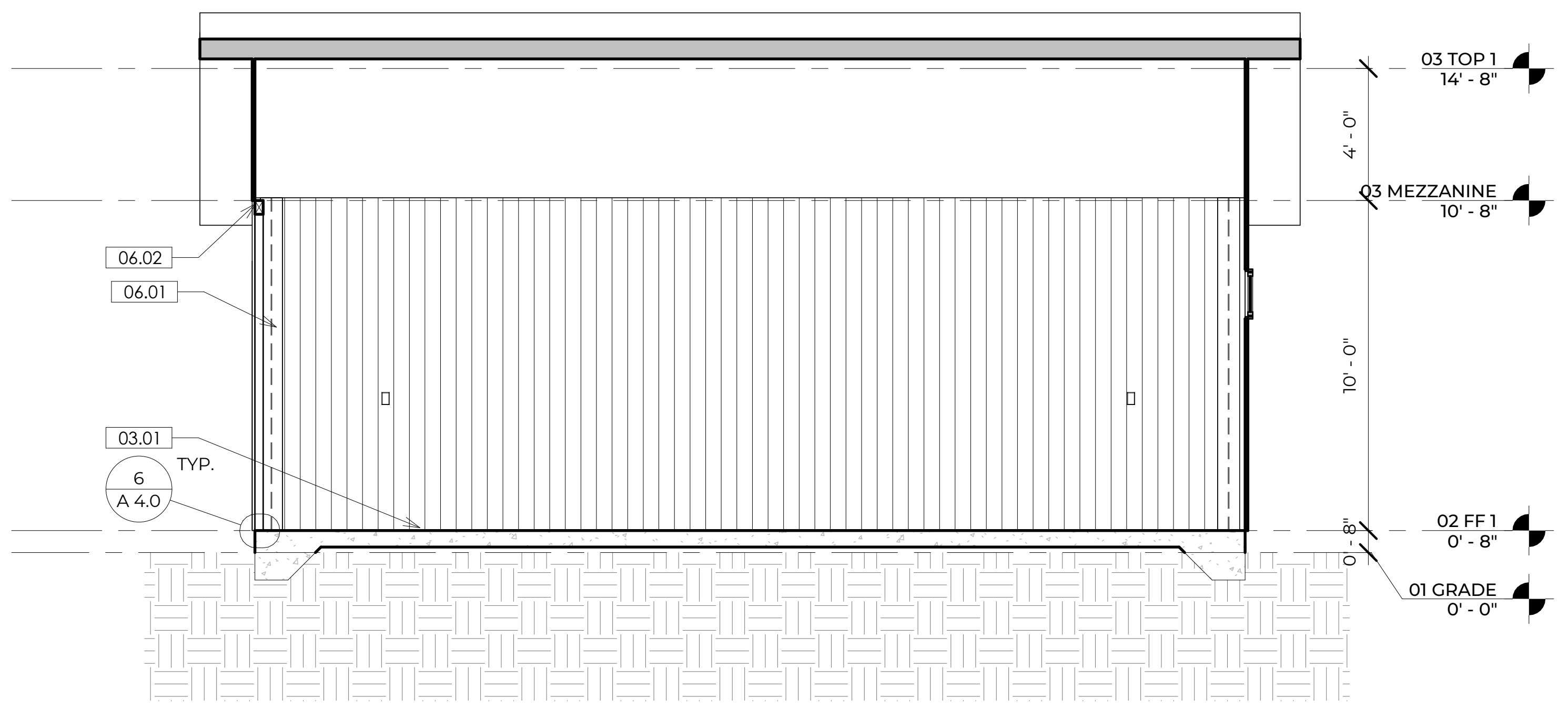
UL U305

ISSUE RECORD:
Revision Date
10/05/2021 11:55:15 PM

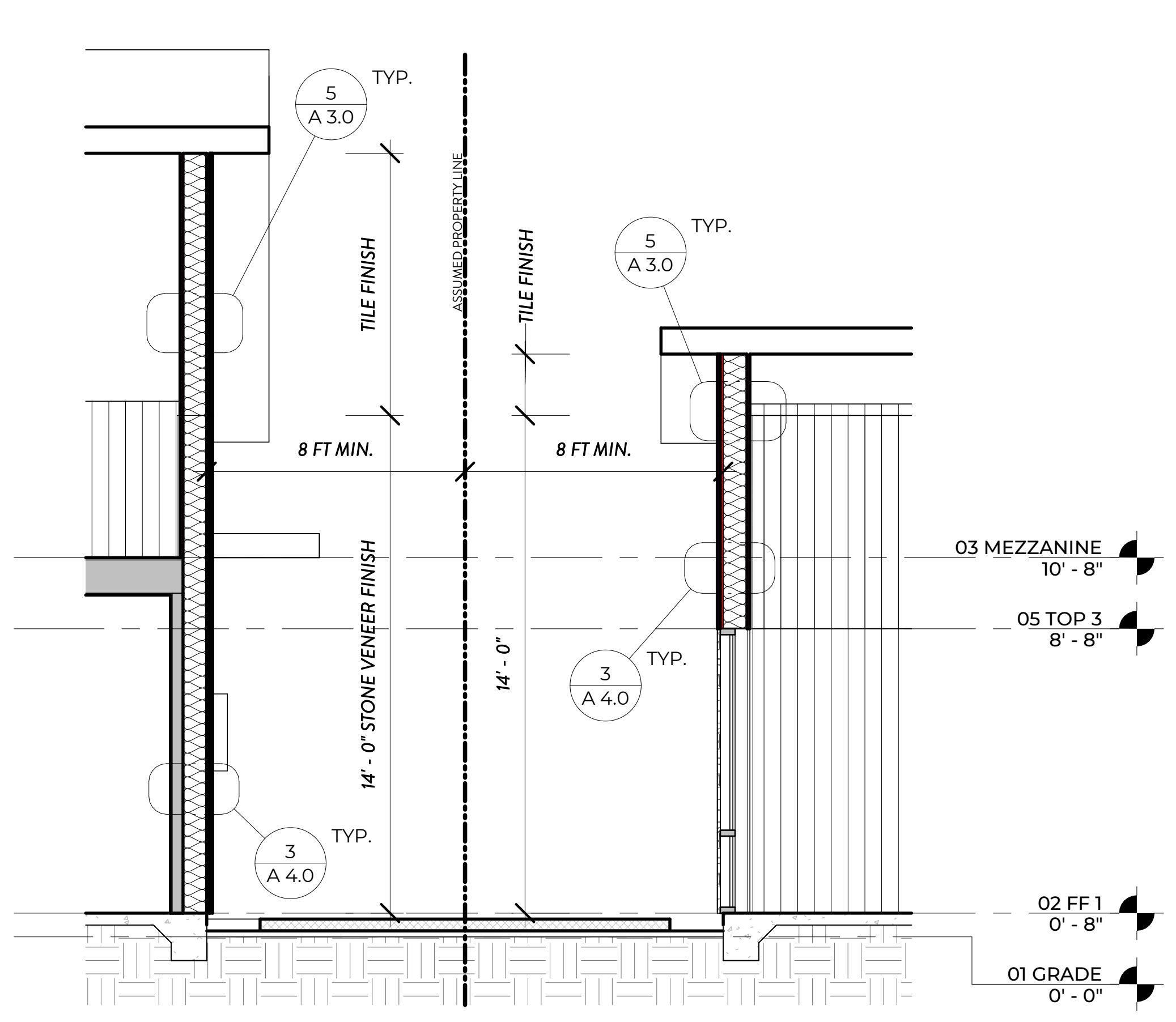
SHEET INFORMATION:
W-P-1-19

KEYNOTE LEGEND

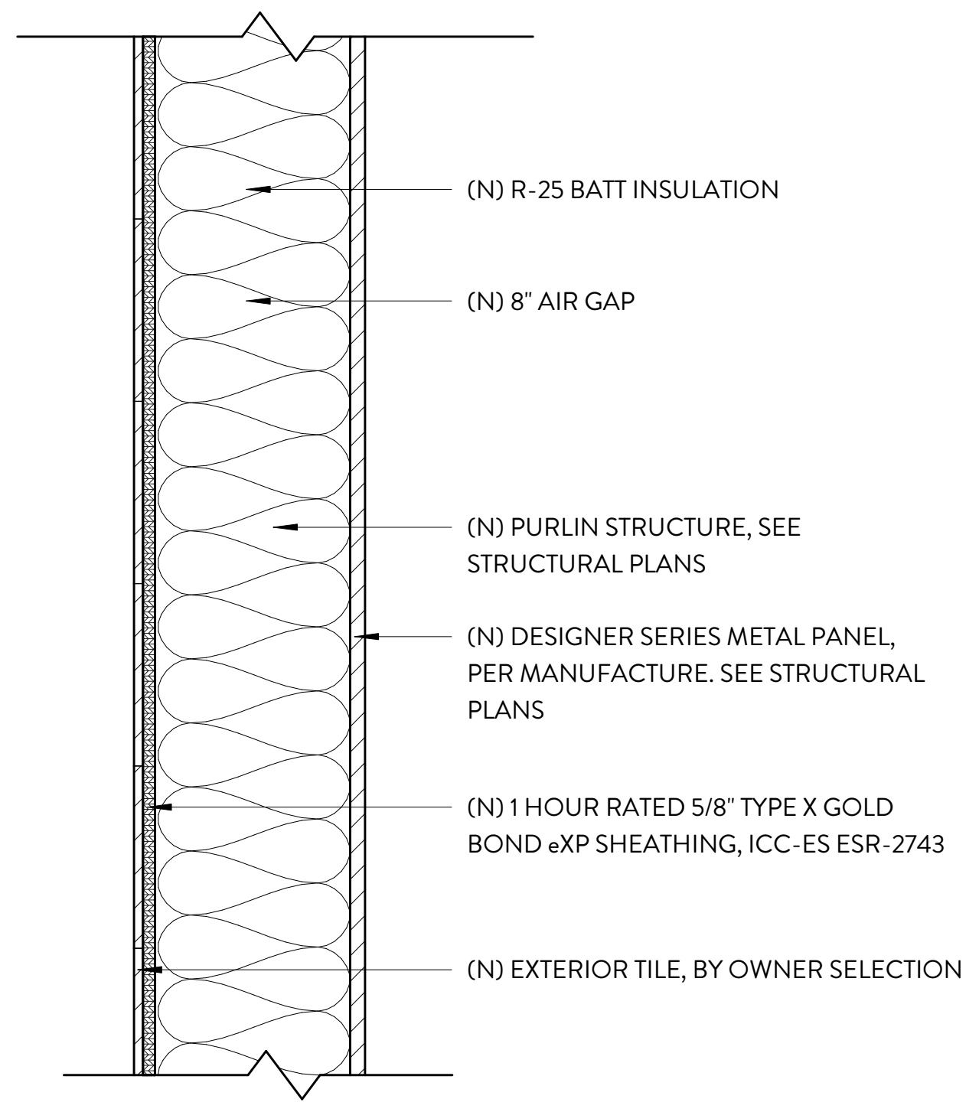
KEY VALUE	KEYNOTE TEXT
03.01	CONCRETE SLAB: REF. STRUCT'L
06.01	NEW COLUMN
06.02	NEW BEAM: REF. STRUCT'L
06.14	P.T.D.F. SILL PLATE: REF. STRUCT'L
06.15	DOUBLE TOP PLATE: REF. STRUCT'L
06.76	(N) FASCIA BOARD
07.20	THERMAL INSULATION: U-FACTOR OF 0.053 MIN. @ WALLS, REF. T-24 SHEET
07.23	THERMAL INSULATION: U-FACTOR OF 0.034 MIN. @ ROOF, REF. T-24 SHEETS
07.25	THERMAL INSULATION: R-30 BATT @ CEILINGS, REF. T-24 SHEETS



3 SECTION 1 BUILDING C
1/4" = 1'-0"



4 SECTION 3
1/4" = 1'-0"


(N) R-25 BATT INSULATION
(N) 8" AIR GAP
(N) PURLIN STRUCTURE, SEE STRUCTURAL PLANS
(N) DESIGNER SERIES METAL PANEL, PER MANUFACTURE. SEE STRUCTURAL PLANS
(N) 1 HOUR RATED 5/8" TYPE X GOLD BOND eXP SHEATHING, ICC-ES ESR-2743
(N) EXTERIOR TILE, BY OWNER SELECTION

5 EXTERIOR WALL DETAIL - TILE EXTERIOR
1 1/2" = 1'-0"

STUDIO ONE

ARCHITECTURAL SECTIONS - BUILDING A / BUILDING C & TRASH

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO.	S1/441.00

REVISIONS

NO.	DESCRIPTION	DATE
5	3RD B&S PLAN CHECK	11/01/24
9	6TH B&S PLAN CHECK COMMENTS	04/15/25

A 3.0

4/17/2025 10:52:22 AM

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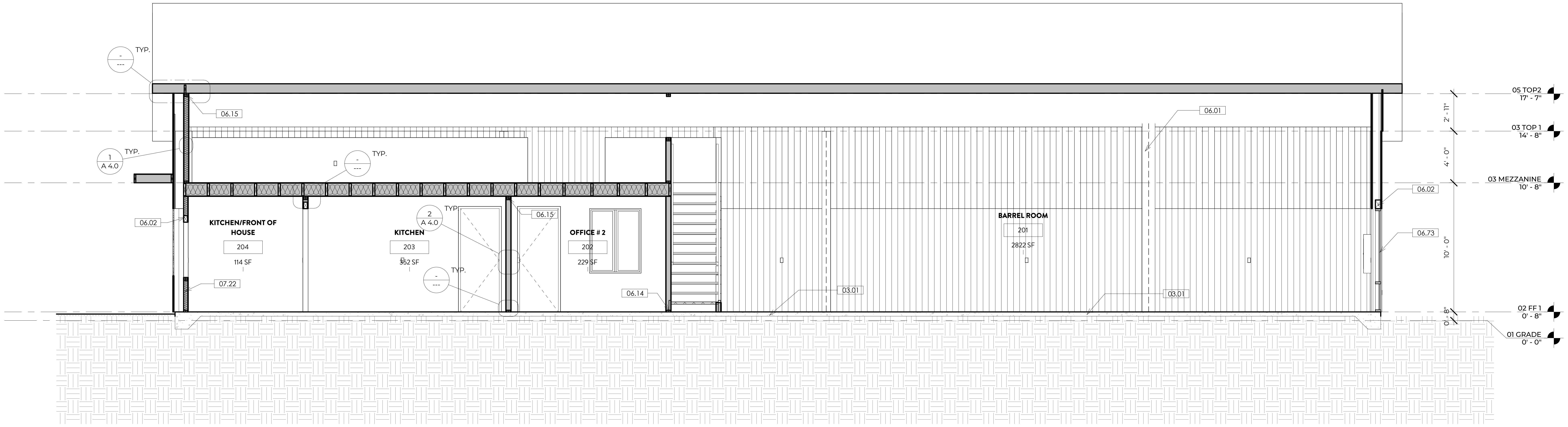
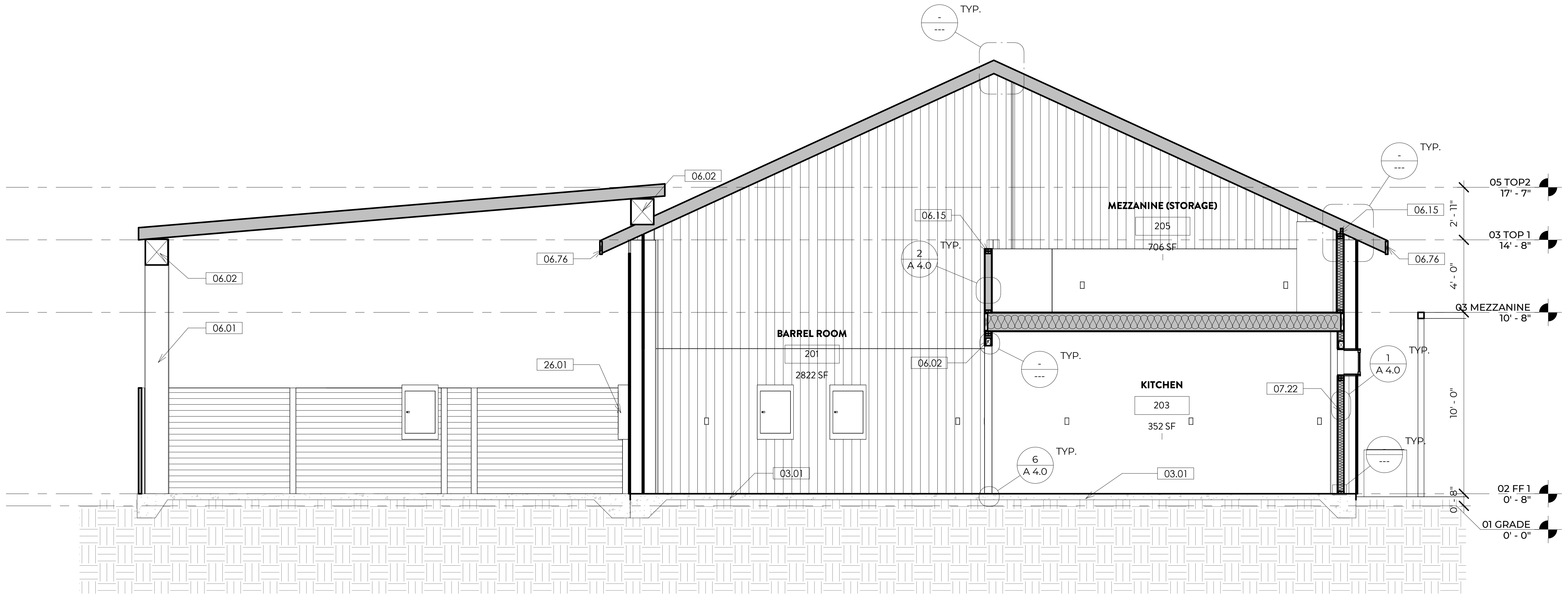
KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
03.01	CONCRETE SLAB: REF. STRUCT'L
06.01	NEW COLUMN
06.02	NEW BEAM: REF. STRUCT'L
06.14	P.T.D.F. SILL PLATE: REF. STRUCT'L
06.15	DOUBLE TOP PLATE: REF. STRUCT'L
06.73	(N) CURTAIN WALL, GLASS TO BE TEMPERED
06.76	(N) FASCIA BOARD
07.22	THERMAL INSULATION: R-15.4 BATT @ WALLS, REF. T-24 SHEETS
26.01	ELECTRICAL SERVICE: 200 AMP MAIN ELECTRICAL SERVICE PANEL.



1 SECTION 1 BUILDING B

1/4" = 1'-0"



2 SECTION 2 BUILDING B

1/4" = 1'-0"

STUDIO ONE

ARCHITECTURAL SECTIONS BUILDING C

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

STATE OF CALIFORNIA
LICENSED ARCHITECT
GREGORY SCOTT HANN
C-26663
REN. 9/30/25

DESIGNER: STUDIO ONE

JOB NO.	***S1/441.00***

REVISIONS

NO.	DESCRIPTION	DATE

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3/4/2025 7:35:59 AM

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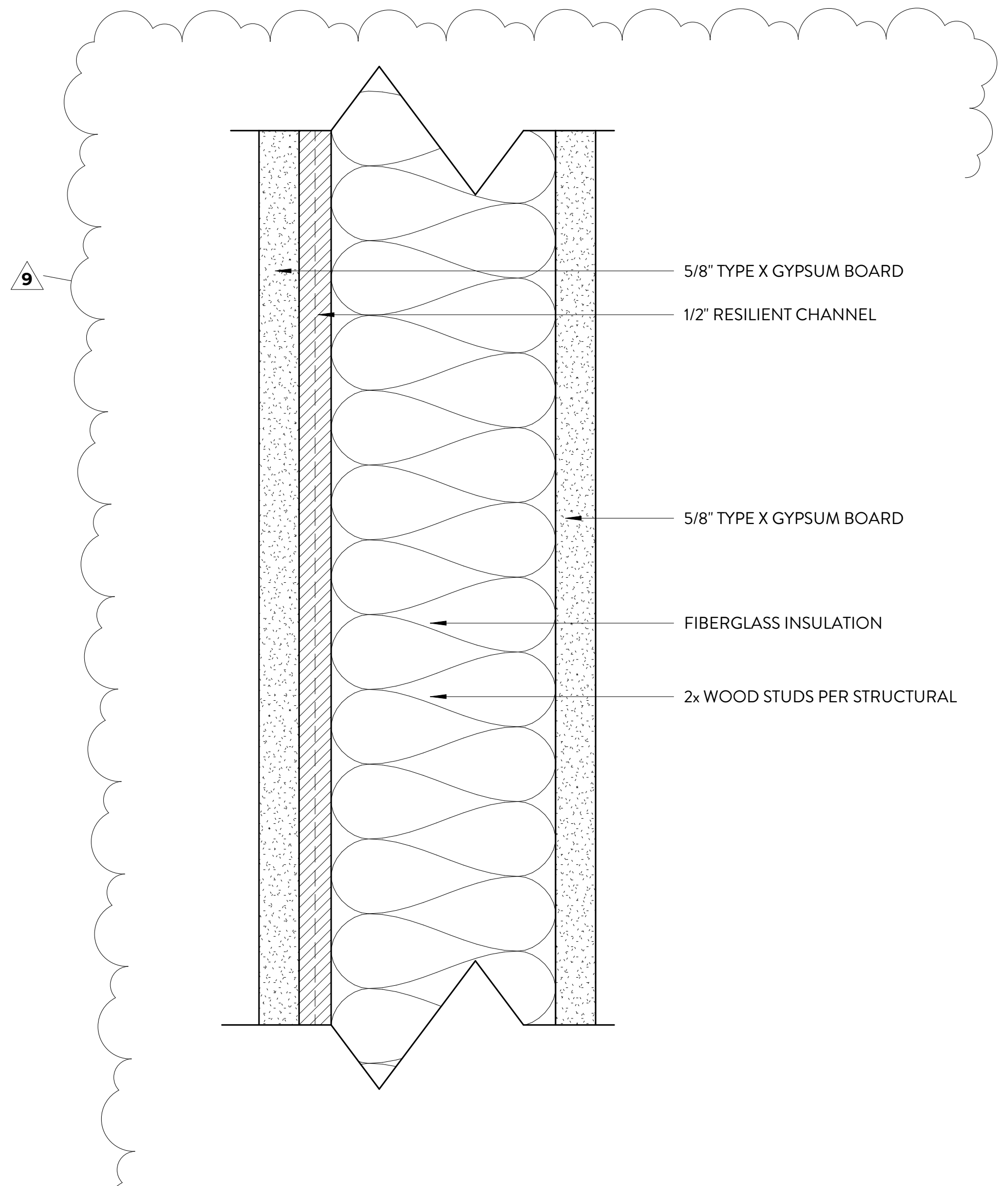
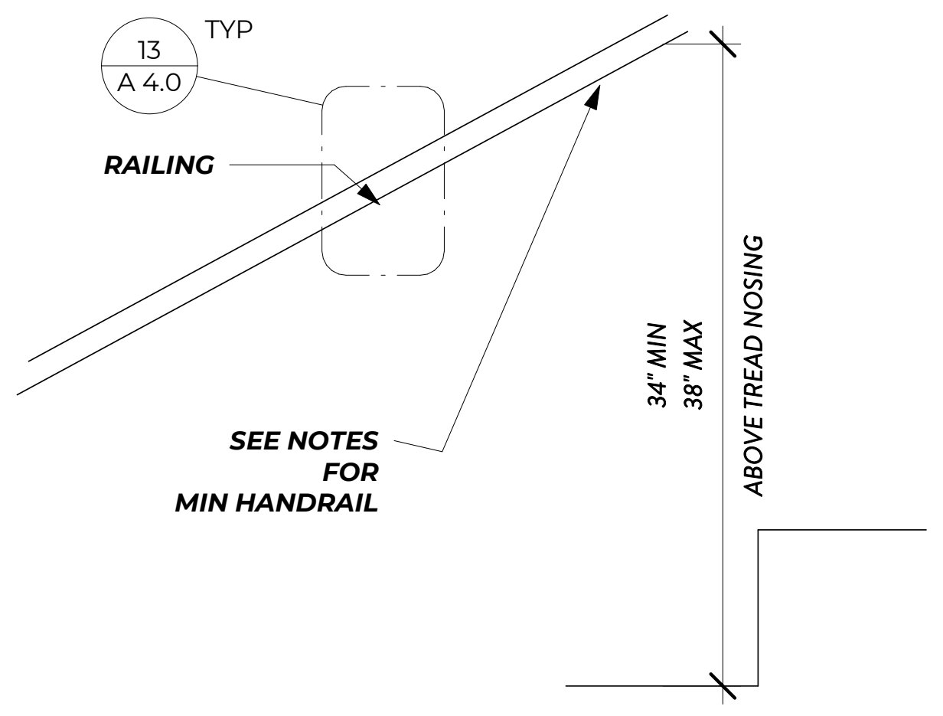
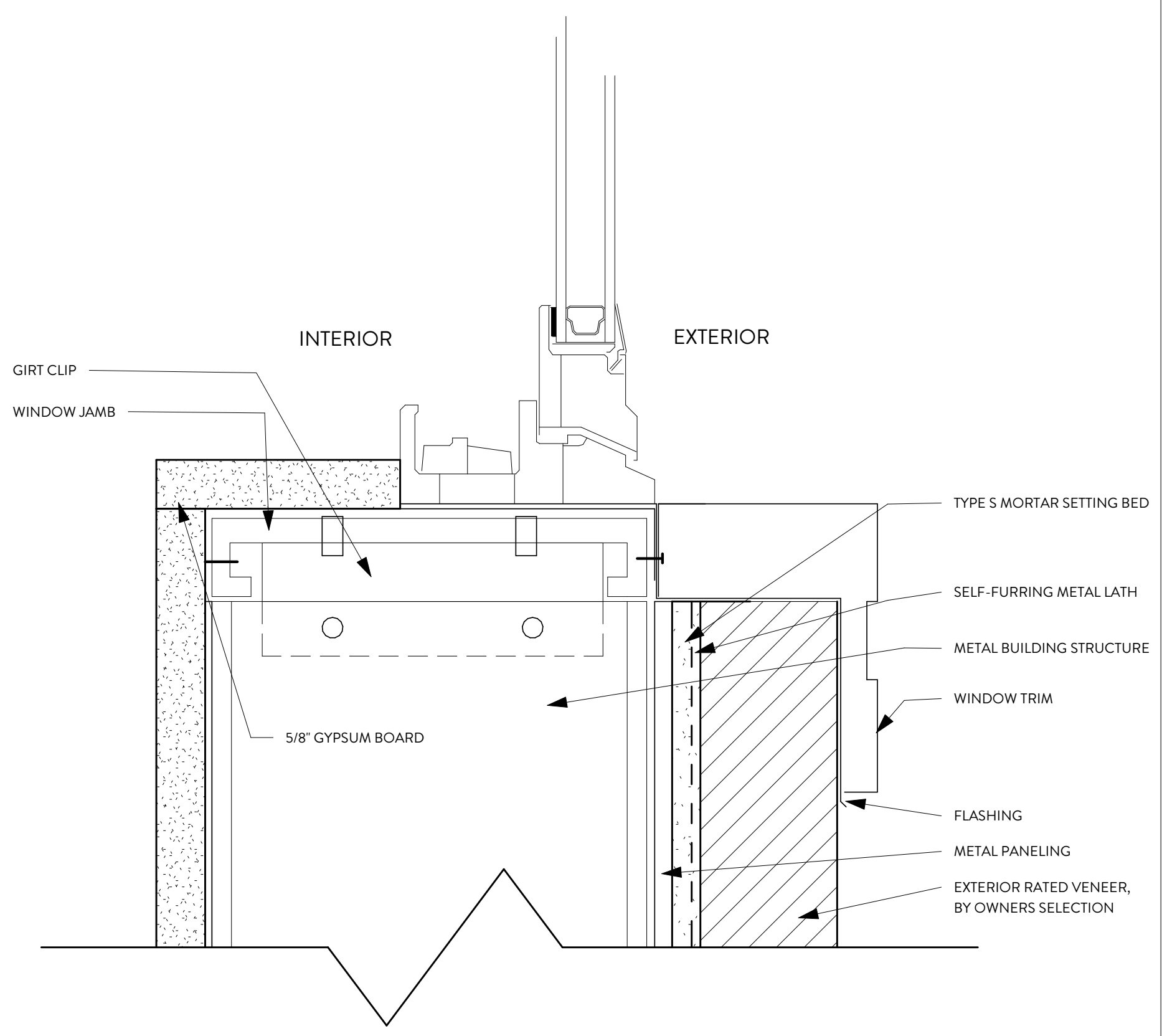


15 FIRE WALL ASSEMBLY - UL U305 NOTE: SEE SPEC SHEET FOR UL U305 DETAIL ON A 3.0
6" = 1'-0"

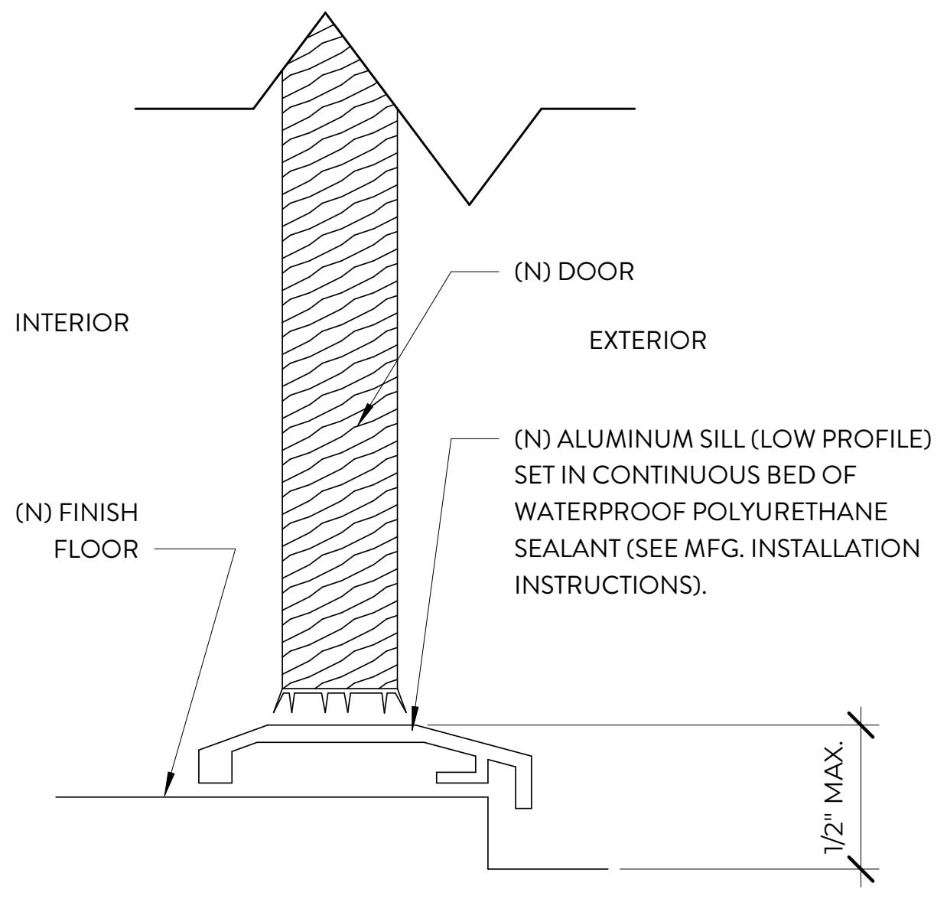
1. ***HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF AT LEAST 1 1/4" INCHES (32MM) AND NOT GREATER THAN 2" (51MM). IF THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF AT LEAST 4" (102 MM) AND NOT GREATER THAN 6 1/4" (160 MM) WITH A MAXIMUM CROSS SECTION OF DIMENSION OF 2 1/4"(57 MM). EDGES SHALL HAVE A MINIMUM RADIUS OF .01 INCH (.25 MM).***
2. ***ALL RAILING SHALL BE SPACED SO THAT NO AREA WILL ALLOW FOR A 4" Ø SPHERE TO PASS THROUGH. THIS IS ALSO APPLICABLE TO ALL RAILING DESIGN THAT MAY BE USED FOR RAILING.***
3. ***BOTTOM RAIL MUST BE 3" MAX ABOVE STAIR NOSING OR HAVE A 6" Ø MAX OPENING BETWEEN BOTTOM RAIL AND STAIR NOSING. SEE***



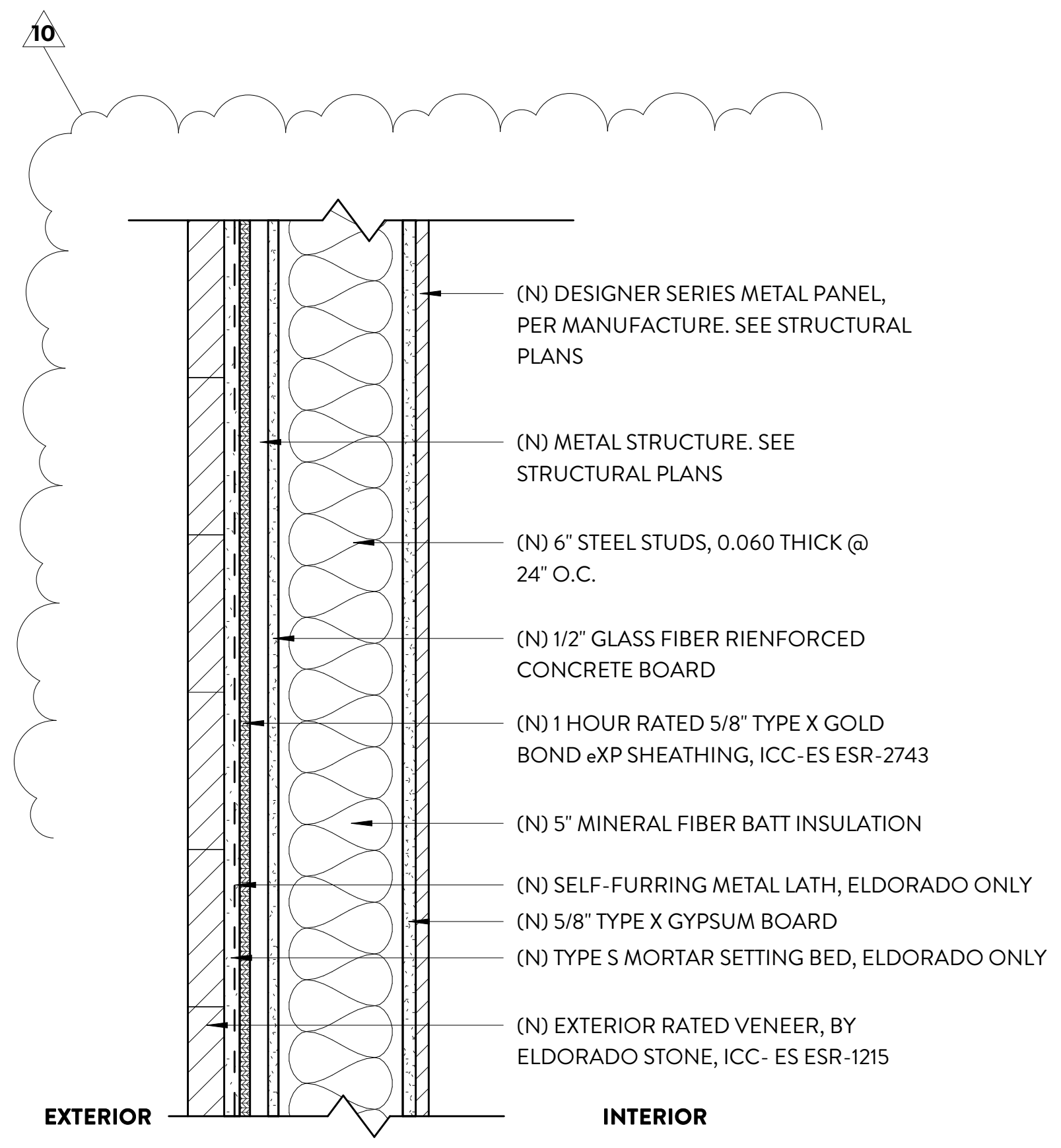
12 HANDRAIL NOTES
1 1/2" = 1'-0"



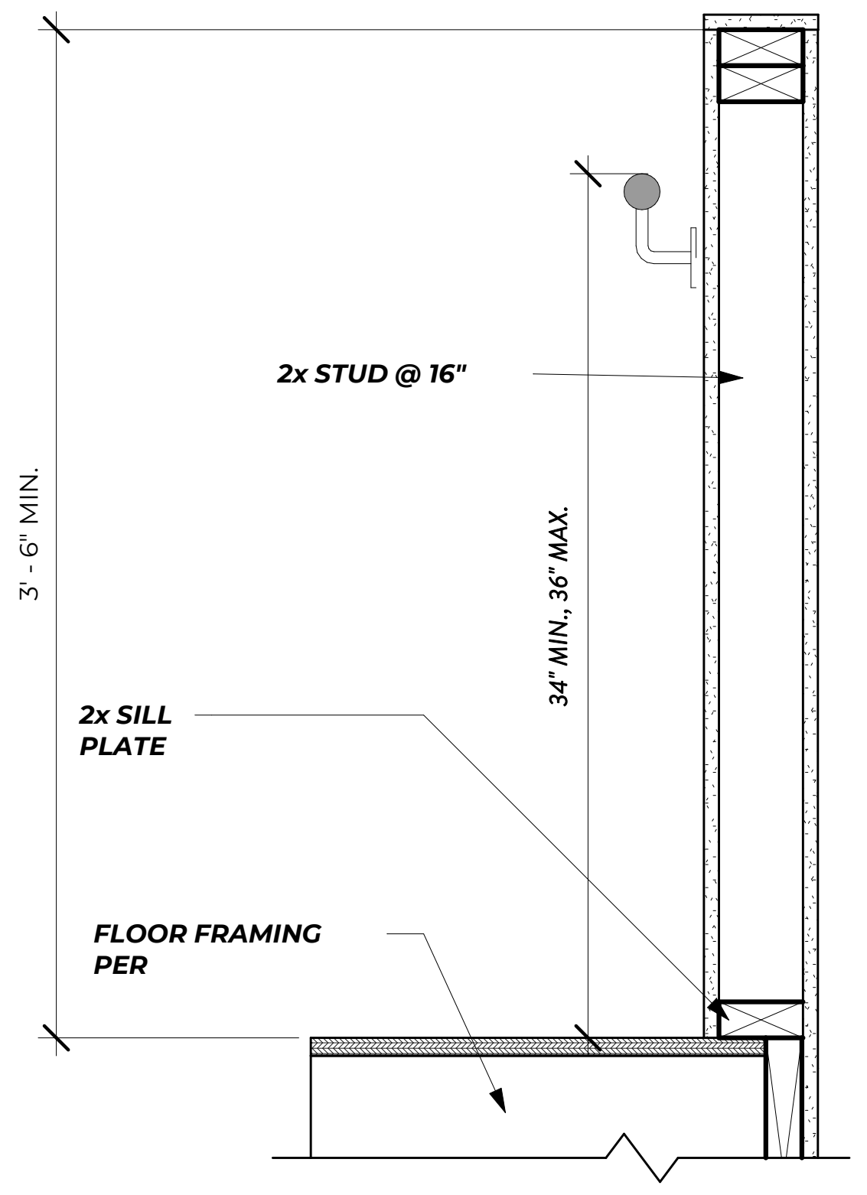
9 WINDOW SILL - VENEER EXTERIOR
6" = 1'-0"


INTERIOR
(N) DOOR
EXTERIOR
(N) FINISH FLOOR
(N) ALUMINUM SILL (LOW PROFILE) SET IN CONTINUOUS BED OF WATERPROOF POLYURETHANE SEALANT (SEE MFG. INSTALLATION INSTRUCTIONS).
1/2" MAX.

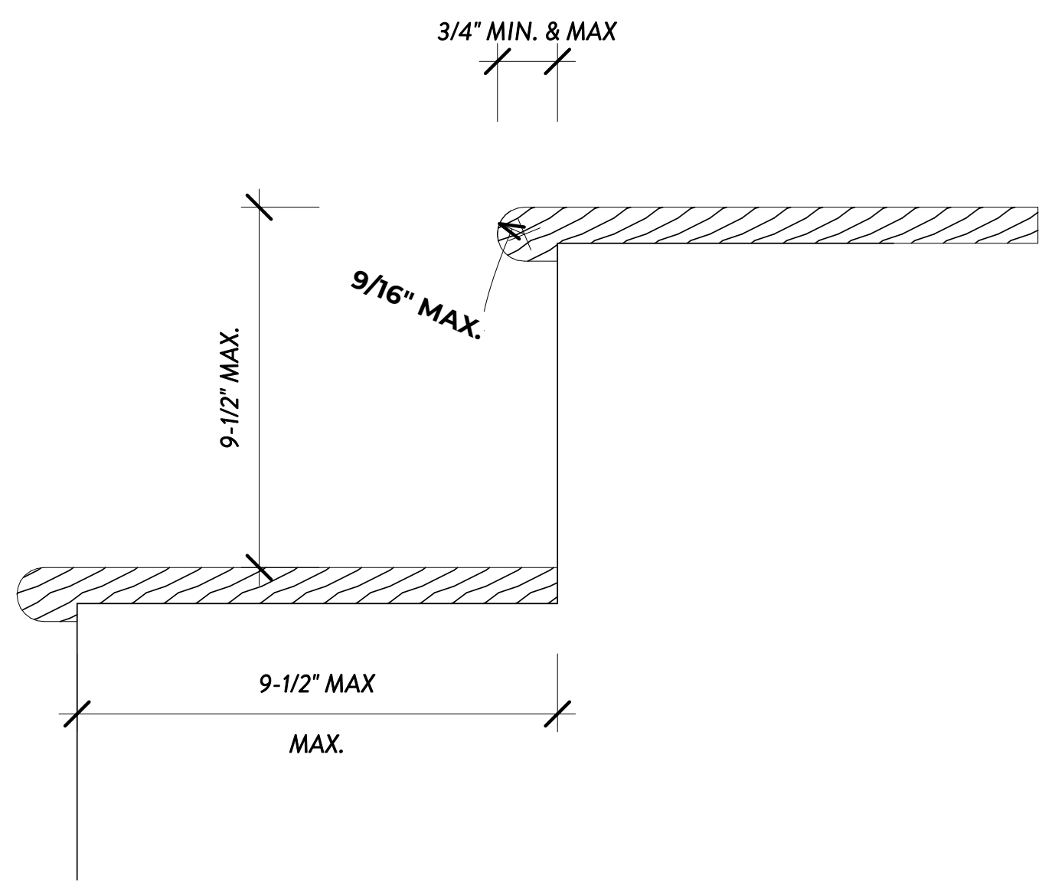
6 DOOR SILL (N) - TYPICAL
6" = 1'-0"


10
(N) DESIGNER SERIES METAL PANEL, PER MANUFACTURE. SEE STRUCTURAL PLANS
(N) METAL STRUCTURE. SEE STRUCTURAL PLANS
(N) 6" STEEL STUDS, 0.060 THICK @ 24" O.C.
(N) 1/2" GLASS FIBER RIENFORCED CONCRETE BOARD
(N) 1 HOUR RATED 5/8" TYPE X GOLD BOND eXP SHEATHING, ICC-ES ESR-2743
(N) 5" MINERAL FIBER BATT INSULATION
(N) SELF-FURRING METAL LATH, ELDORADO ONLY
(N) 5/8" TYPE X GYPSUM BOARD
(N) TYPE S MORTAR SETTING BED, ELDORADO ONLY
(N) EXTERIOR RATED VENEER, BY ELDORADO STONE, ICC- ES ESR-1215
EXTERIOR
INTERIOR

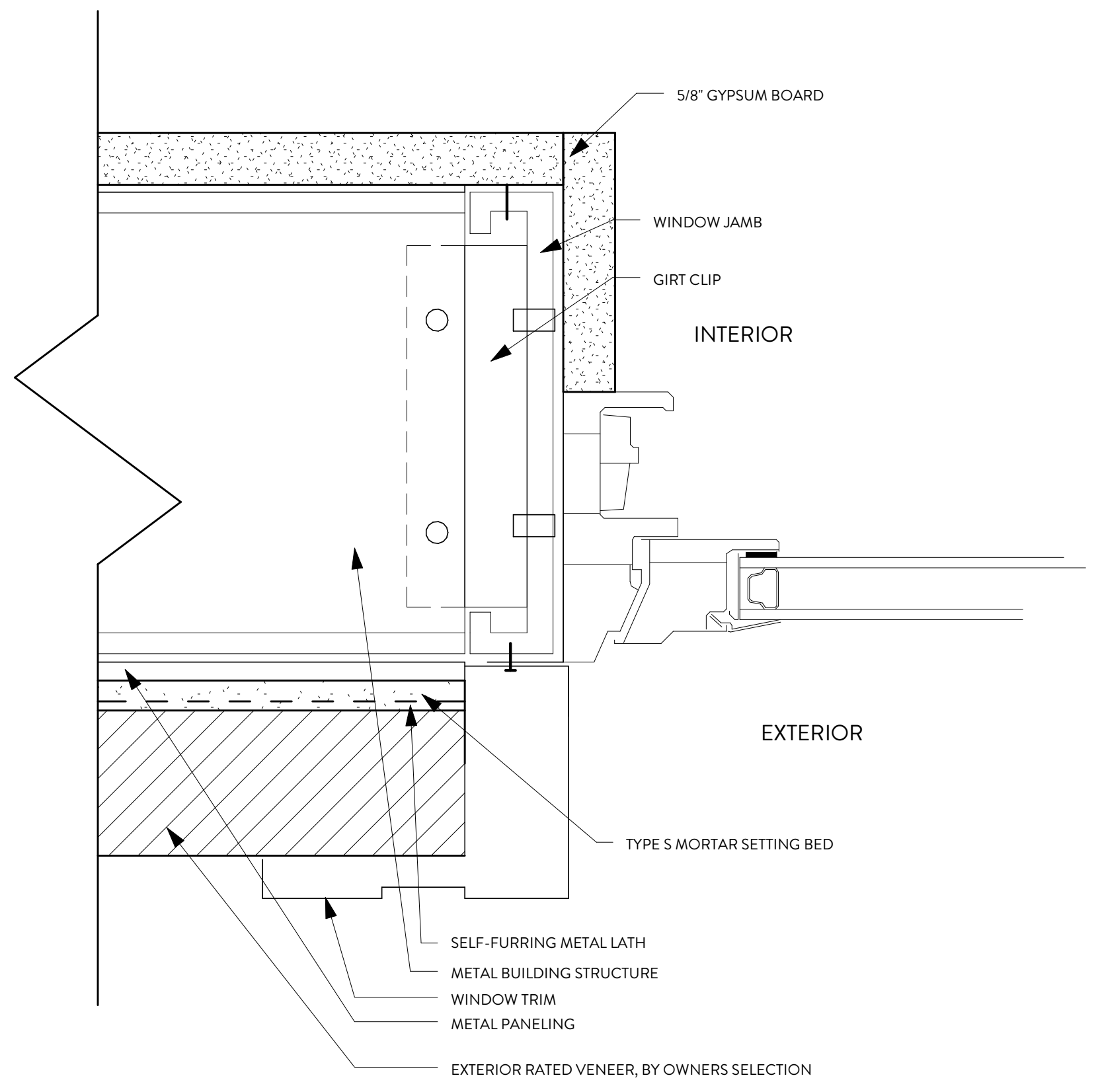
3 EXTERIOR WALL DETAIL - VENEER EXTERIOR
1 1/2" = 1'-0"



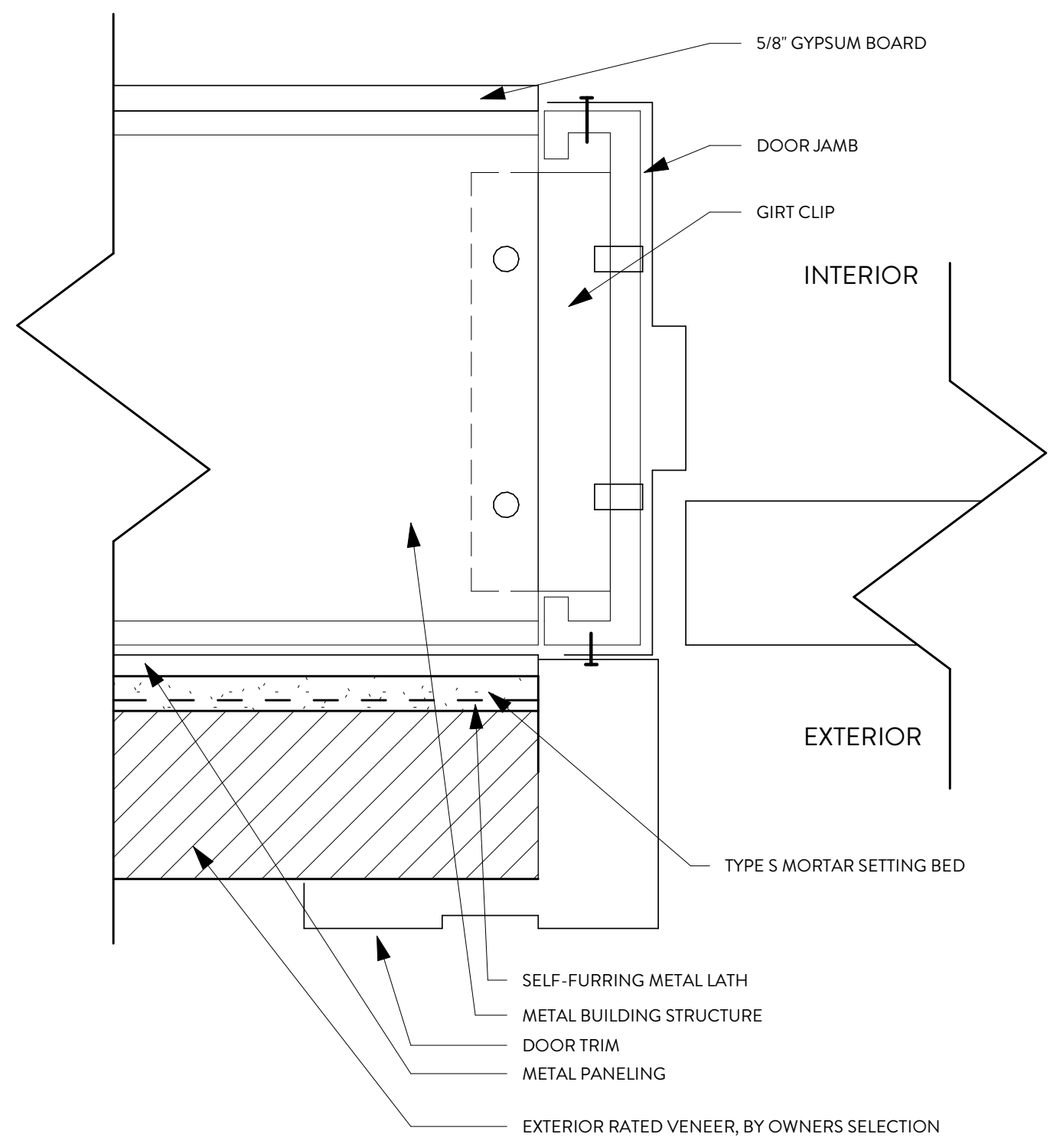
14 GUARDWALL DETAIL
1 1/2" = 1'-0"



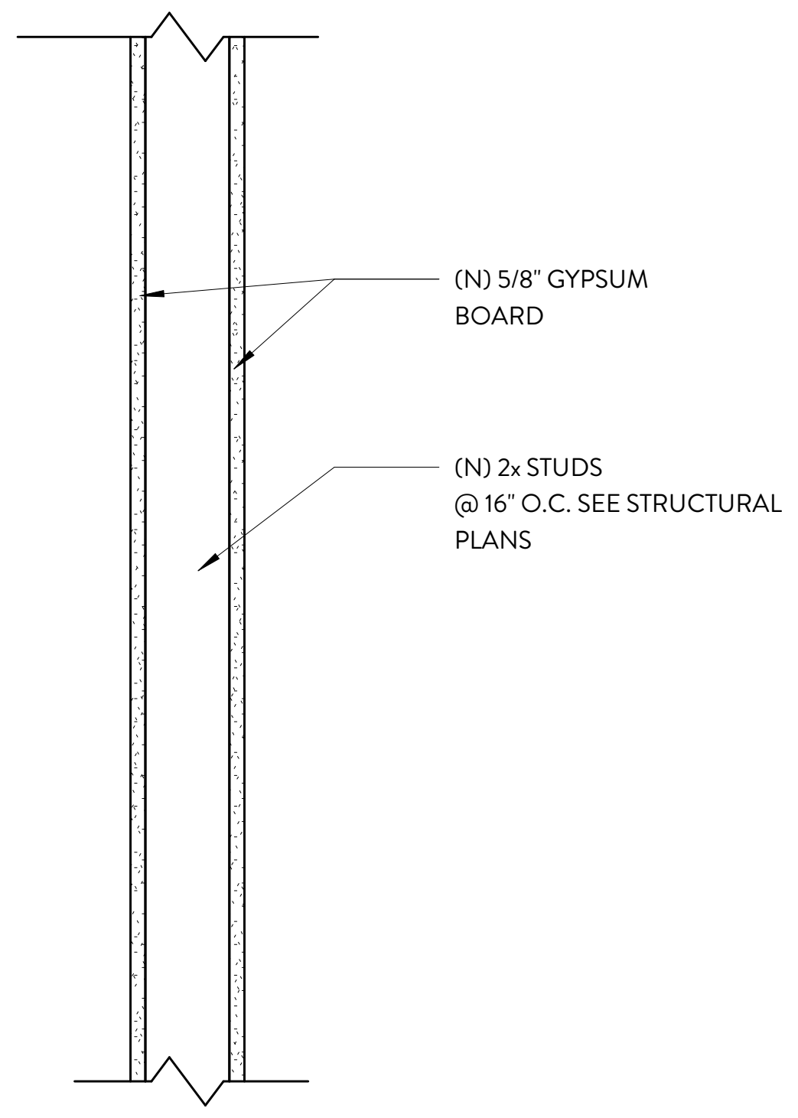
11 STAIR NOSING
3" = 1'-0"



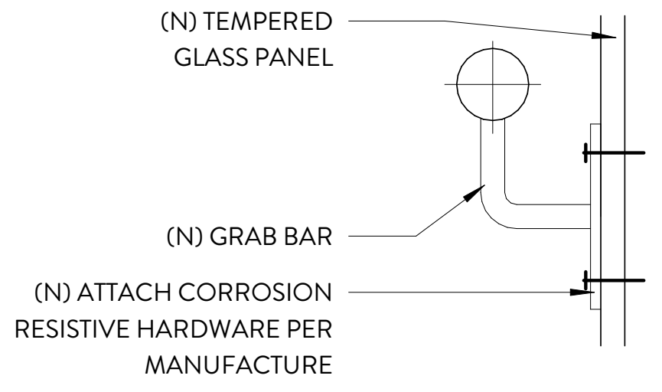
8 WINDOW HEAD & JAMB - VENEER EXTERIOR
6" = 1'-0"



5 DOOR HEAD & JAMB - VENEER EXTERIOR
6" = 1'-0"



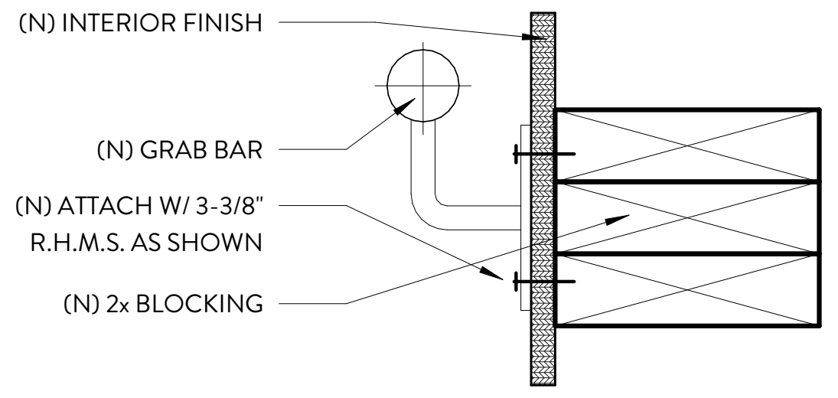
2 INTERIOR WALL DETAIL
1 1/2" = 1'-0"



NOTE: GRAB BAR TO SUPPORT 250 LBS.

EXTERIOR

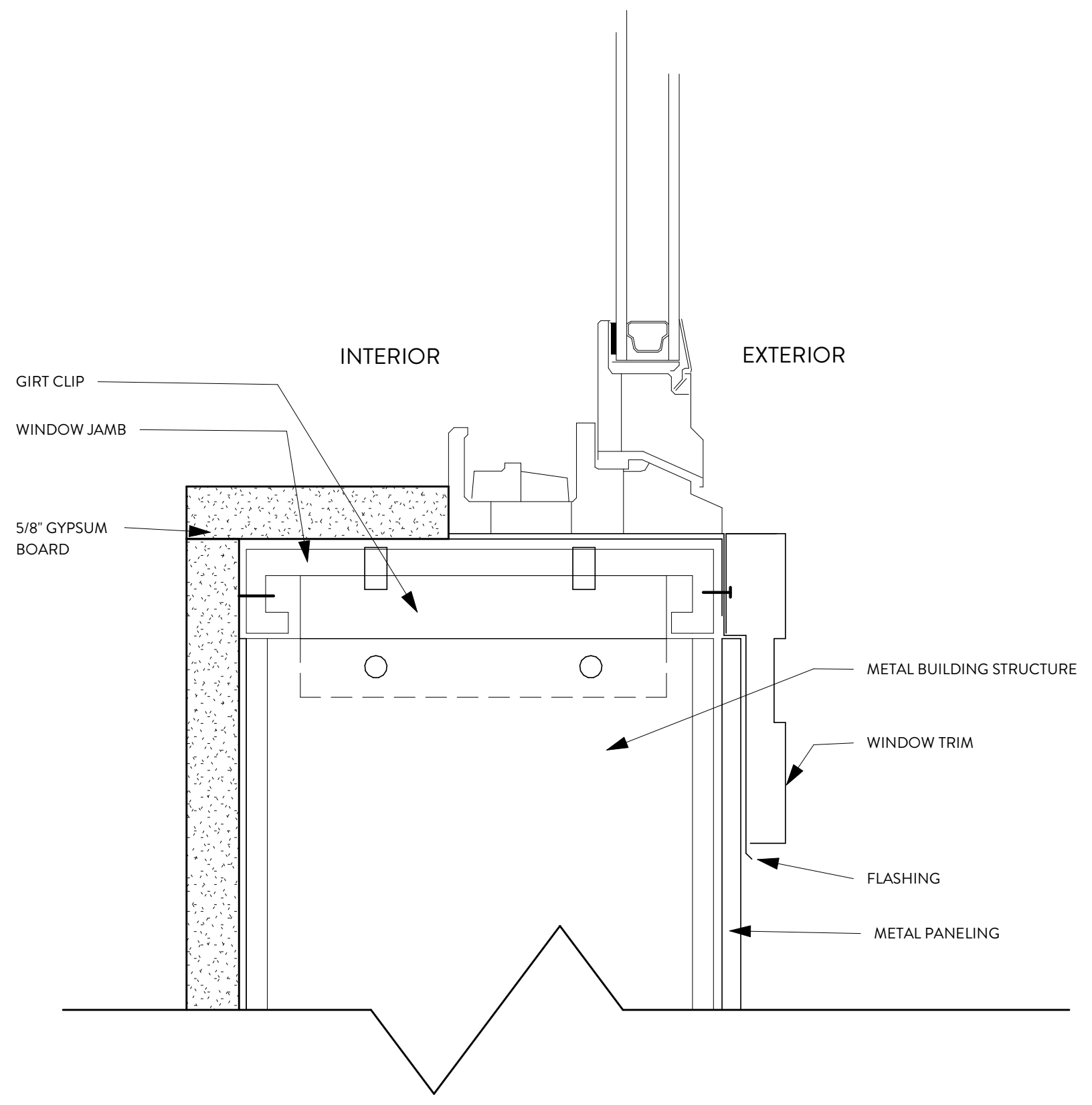
NOTE: ALL ENDS OF HANDRAILS TO BE RETURNED OR SHALL HAVE ROUNDED TERMINATIONS OR BENDS, PER SECTION R311.7.8.



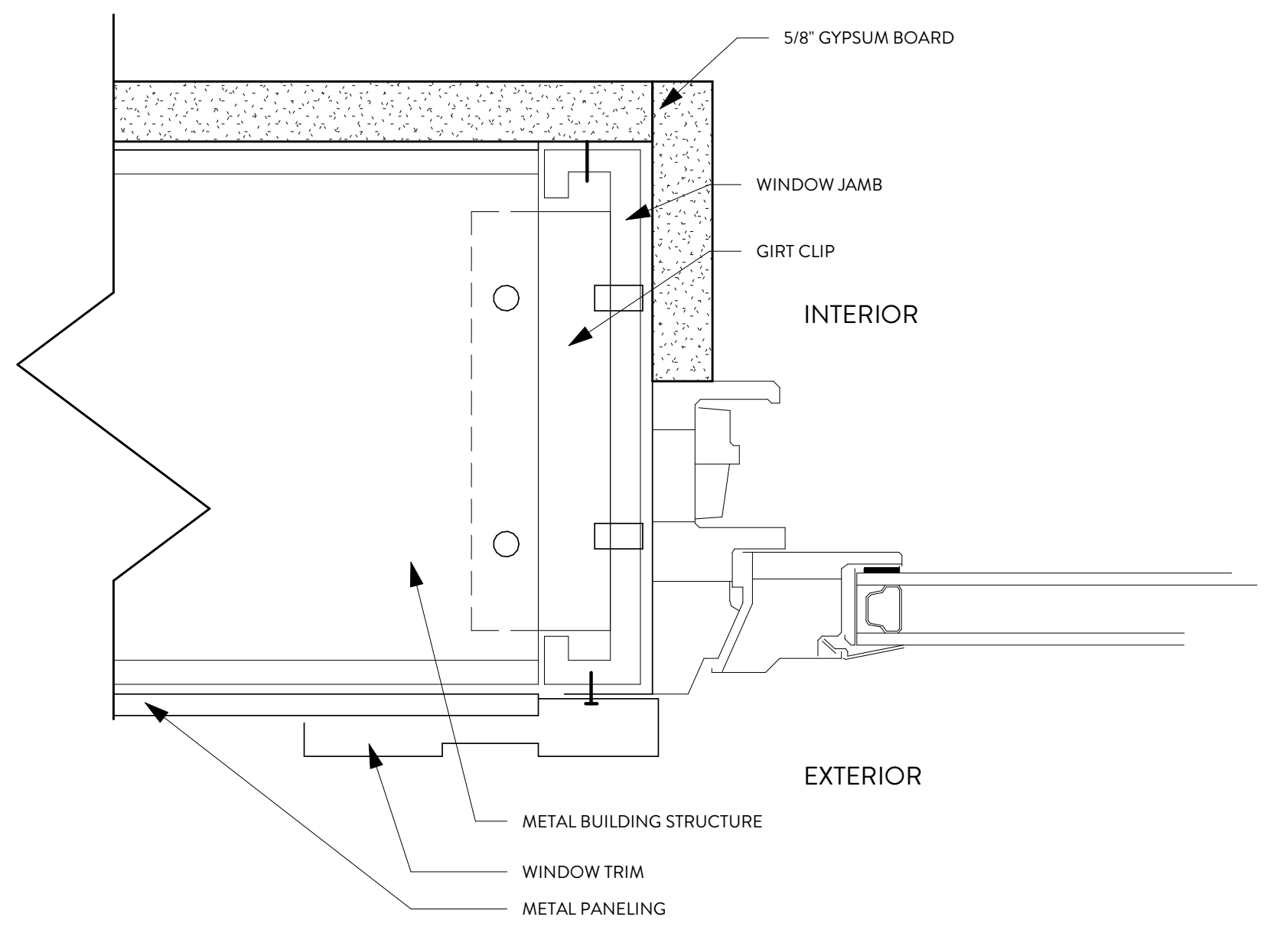
NOTE: GRAB BAR TO SUPPORT 250 LBS.

INTERIOR

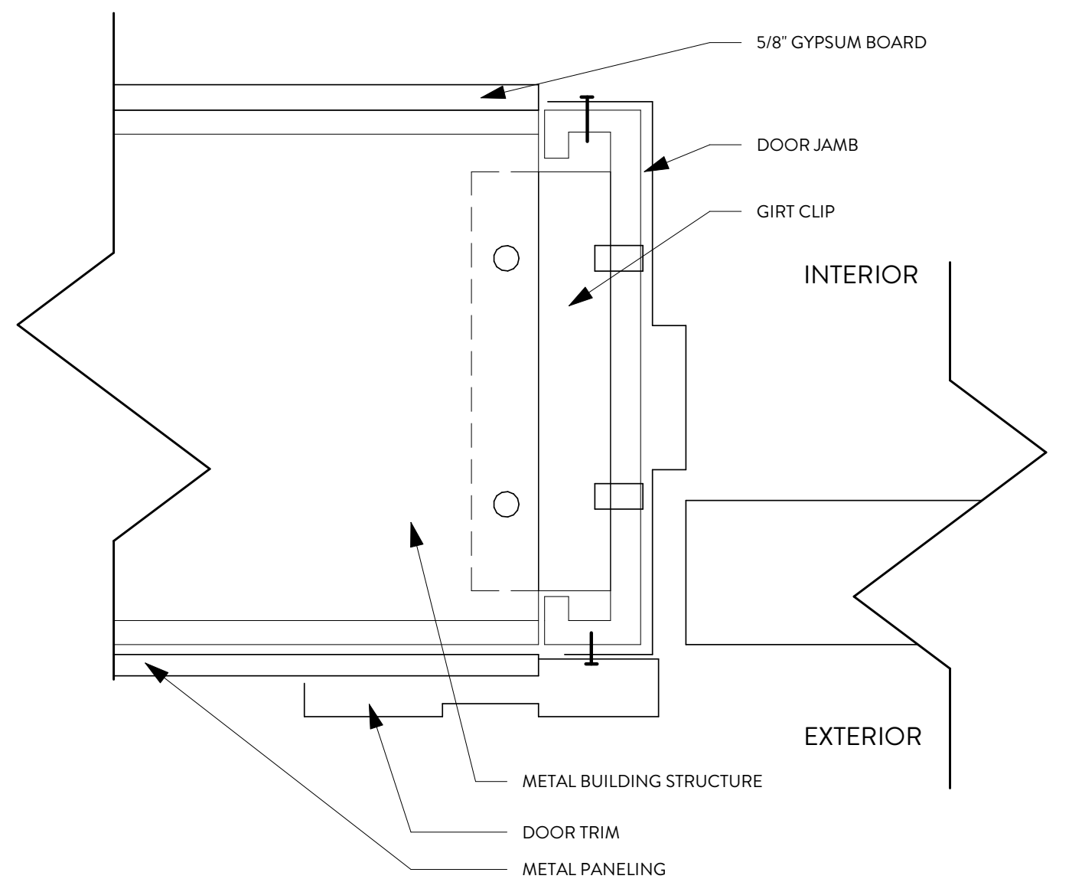
13 HANDRAIL DETAIL (N)
3" = 1'-0"



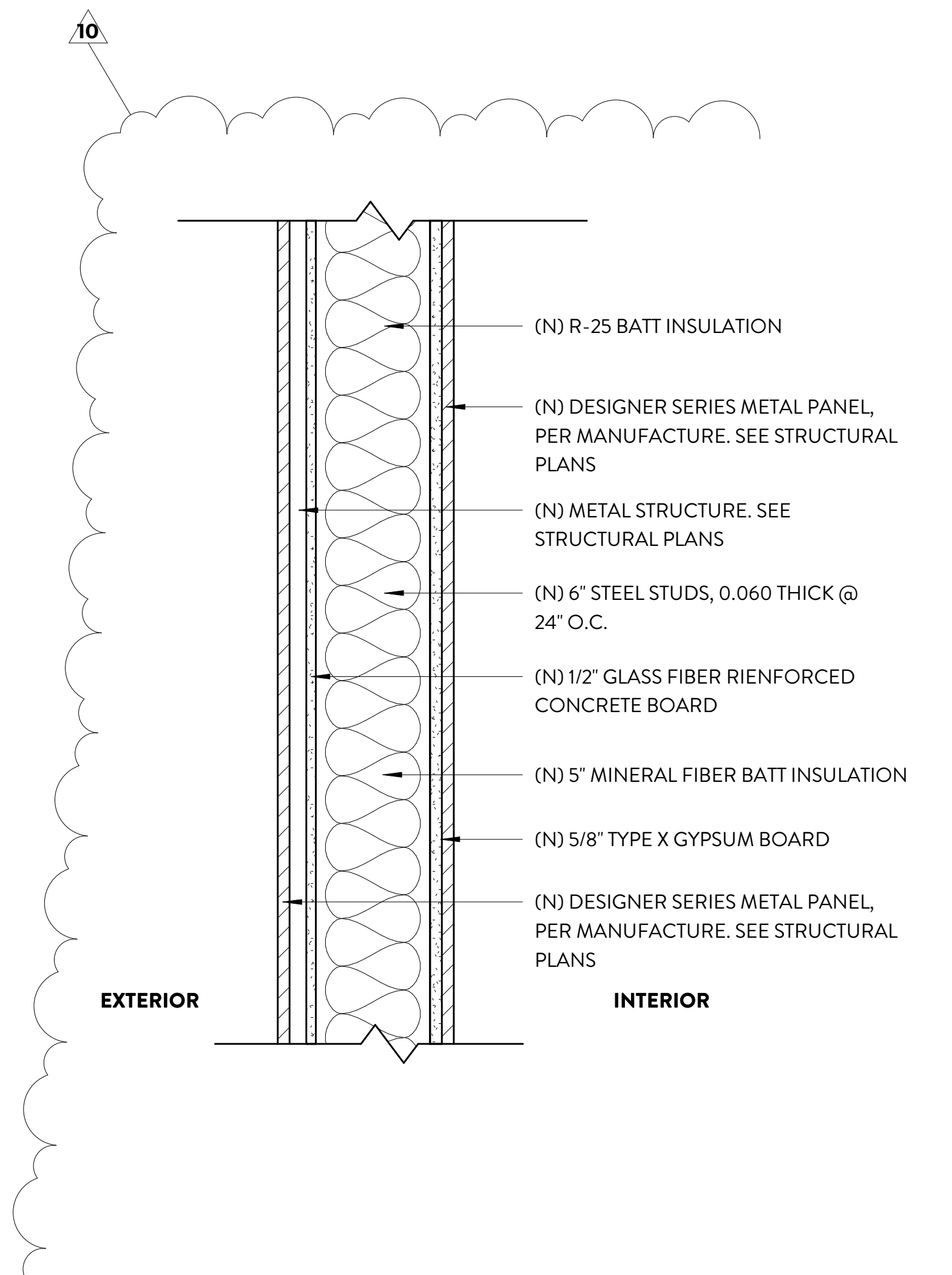
10 WINDOW SILL - METAL EXTERIOR
6" = 1'-0"



7 WINDOW HEAD & JAMB - METAL EXTERIOR
6" = 1'-0"



4 DOOR HEAD & JAMB - METAL EXTERIOR
6" = 1'-0"


10
(N) R-25 BATT INSULATION
(N) DESIGNER SERIES METAL PANEL, PER MANUFACTURE. SEE STRUCTURAL PLANS
(N) METAL STRUCTURE. SEE STRUCTURAL PLANS
(N) 6" STEEL STUDS, 0.060 THICK @ 24" O.C.
(N) 1/2" GLASS FIBER RIENFORCED CONCRETE BOARD
(N) 5" MINERAL FIBER BATT INSULATION
(N) 5/8" TYPE X GYPSUM BOARD
(N) DESIGNER SERIES METAL PANEL, PER MANUFACTURE. SEE STRUCTURAL PLANS
EXTERIOR
INTERIOR

1 EXTERIOR WALL DETAIL - METAL EXTERIOR PER CBC 721.1(2), ITEM# 15-1.11
1 1/2" = 1'-0"

STUDIO ONE

ARCHITECTURAL DETAILS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. ***S1/441.00***

REVISIONS

NO.	DESCRIPTION	DATE
9	6TH B&S PLAN CHECK COMMENTS	04/15/25
10	7TH B&S PLAN CHECK COMMENTS	05/08/25

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5/27/2025 8:34:59 AM

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DOORS

1. DOOR HARDWARE SHALL BE OF THE LEVER OR PUSH TYPE AND MOUNTED 36" ABOVE THE FLOOR
2. THE LOWER 10" OF ALL DOORS SHALL BE SMOOTH AND UNINTERRUPTED TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. NARROW FRAME DOORS MAY USE A 10" HIGH SMOOTH PANEL ON THE PUSH SIDE OF THE DOOR.
3. THE WIDTH OF THE LEVEL AREA, ON THE SIDE TO WHICH A DOOR (OR GATE) SWINGS, SHALL BE AS FOLLOWS.
    (a) EXTEND 18" PAST THE STRIKE EDGE OF THE DOOR FOR INTERIOR CONDITIONS. (RESTROOM DOOR AT 1ST FLOOR).
    (b) EXTEND 12" PAST THE STRIKE EDGE ON THE PUSH SIDE IF DOOR HAS LATCH AND CLOSER.(RESTROOM DOOR AT 1ST FLOOR IF THE DOORS HAVE LATCH AND CLOSER)
4. THE MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5LBS FOR INTERIOR AND EXTERIOR DOORS WITH SUCH PULL PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS,. WHEN FIRE DOORS ARE UTILIZED THE MAXIMUM EFFORT OPERATE THE DOOR MAY BE INCREASED TO NOT EXCEED 15LBS.
5. NO DOOR SHALL ENCROACH INTO THE REQUIRED MINIMUM CLEAR AREA WITHIN THE DRESSING AREA.

SANITARY FACILITIES

1. SANITARY FACILITIES THAT SERVE BUILDINGS, FACILITIES, OR PORTIONS OF BUILDINGS OR FACILITIES THAT ARE REQUIRED TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES, SHALL BE MADE ACCESSIBLE UNLESS THE ENFORCING AGENCY DETERMINES THAT COMPLIANCE WITH THESE STANDARDS WOULD CREATE AN UNREASONABLE HARDSHIP AND EQUIVALENT FACILITATION .
2. DOORWAYS LEADING TO MEN'S SANITARY FACILITIES SHALL BE IDENTIFIED BY AN EQUILATERAL TRIANGLE 1/4" THICK WITH EDGES 12" LONG AND A VORTEX POINTING UPWARD. WOMAN'S FACILITIES SHALL BE IDENTIFIED BY A CIRCLE, 1/4" THICK, 12" IN DIAMETER. UNISEX FACILITIES SHALL BE IDENTIFIED BY A CIRCLE WITH A TRIANGLE SUPERIMPOSED ON THE CIRCLE AND WITHIN THE 12" DIAMETER. THE REQUIRED SYMBOLS SHALL BE CENTERED ON THE DOOR AT A HEIGHT OF 60".

SINGLE ACCOMMODATION FACILITIES

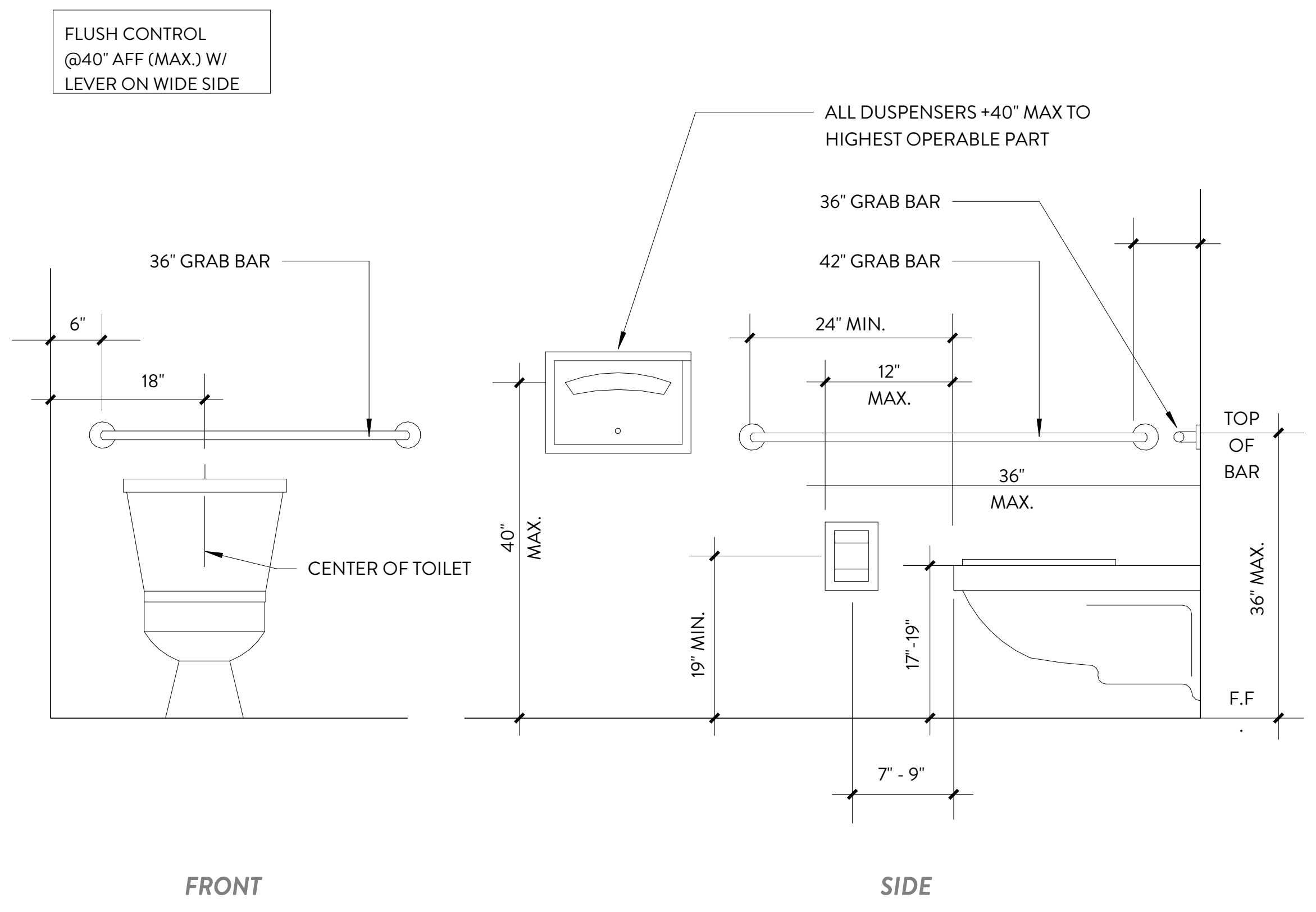
1. THERE SHALL BE A SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" X 48" TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. NO DOOR SHALL BE PERMITTED TO ENCROACH INTO THIS SPACE. THERE SHALL BE A CLEAR FLOOR SPACE AT LEAST 60" IN DIAMETER.

2. THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A MINIMUM 28" CLEAR SPACE FROM A FIXTURE OR 32" CLEAR SPACE FROM A WALL ON ONE SIDE. A MINIMUM OF 48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.

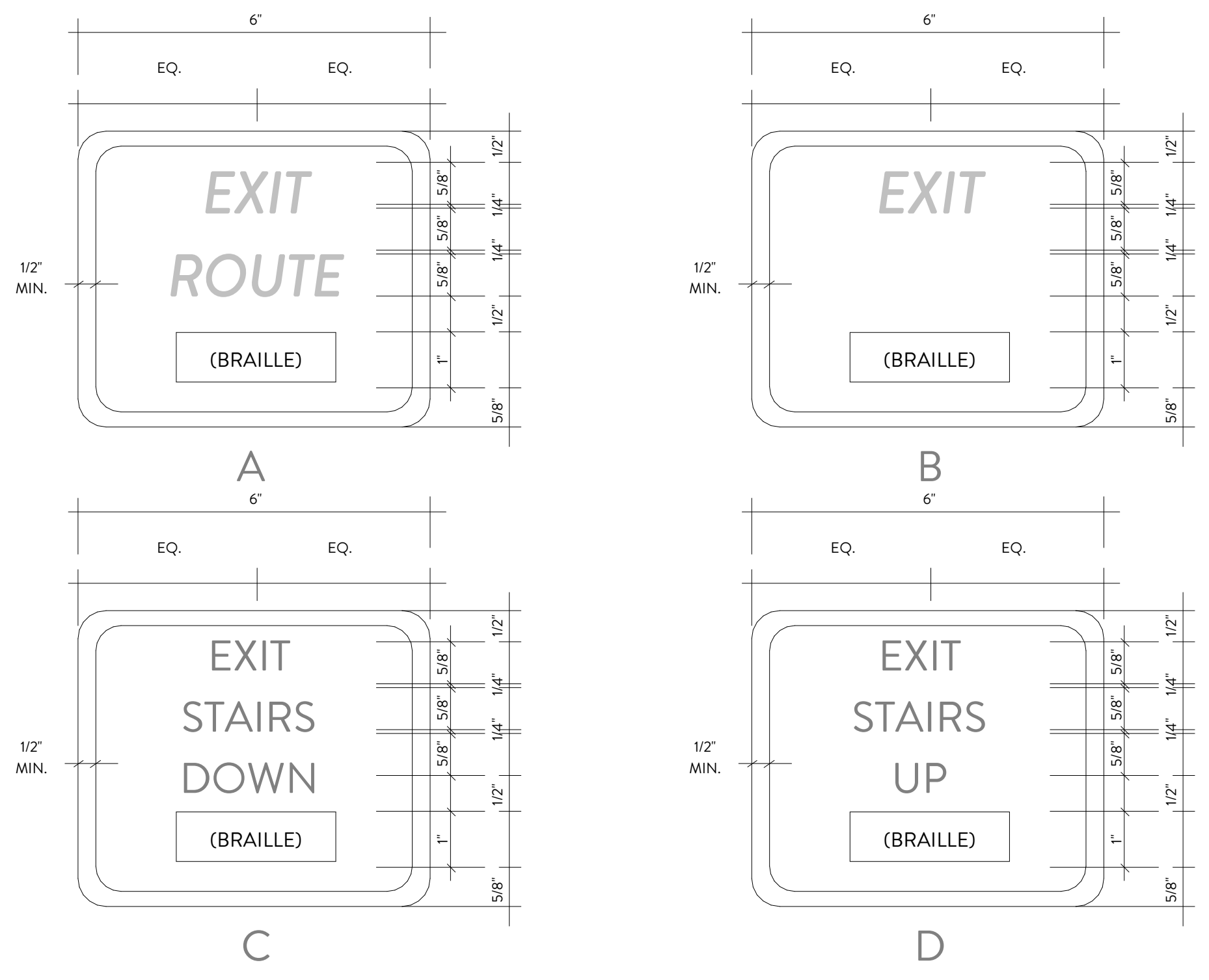
RESTROOM FIXTURES AND ACCESSORIES

1. THERE SHALL BE A SUFFICIENT SPACE IN THE TOILET ROOM FOR A WHEELCHAIR MEASURING 30" X 48" TO ENTER THE ROOM AND PERMIT THE DOOR TO CLOSE. NO DOOR SHALL BE PERMITTED TO ENCROACH INTO THIS SPACE. THERE SHALL BE A CLEAR FLOOR SPACE AT LEAST 60" IN DIAMETER.

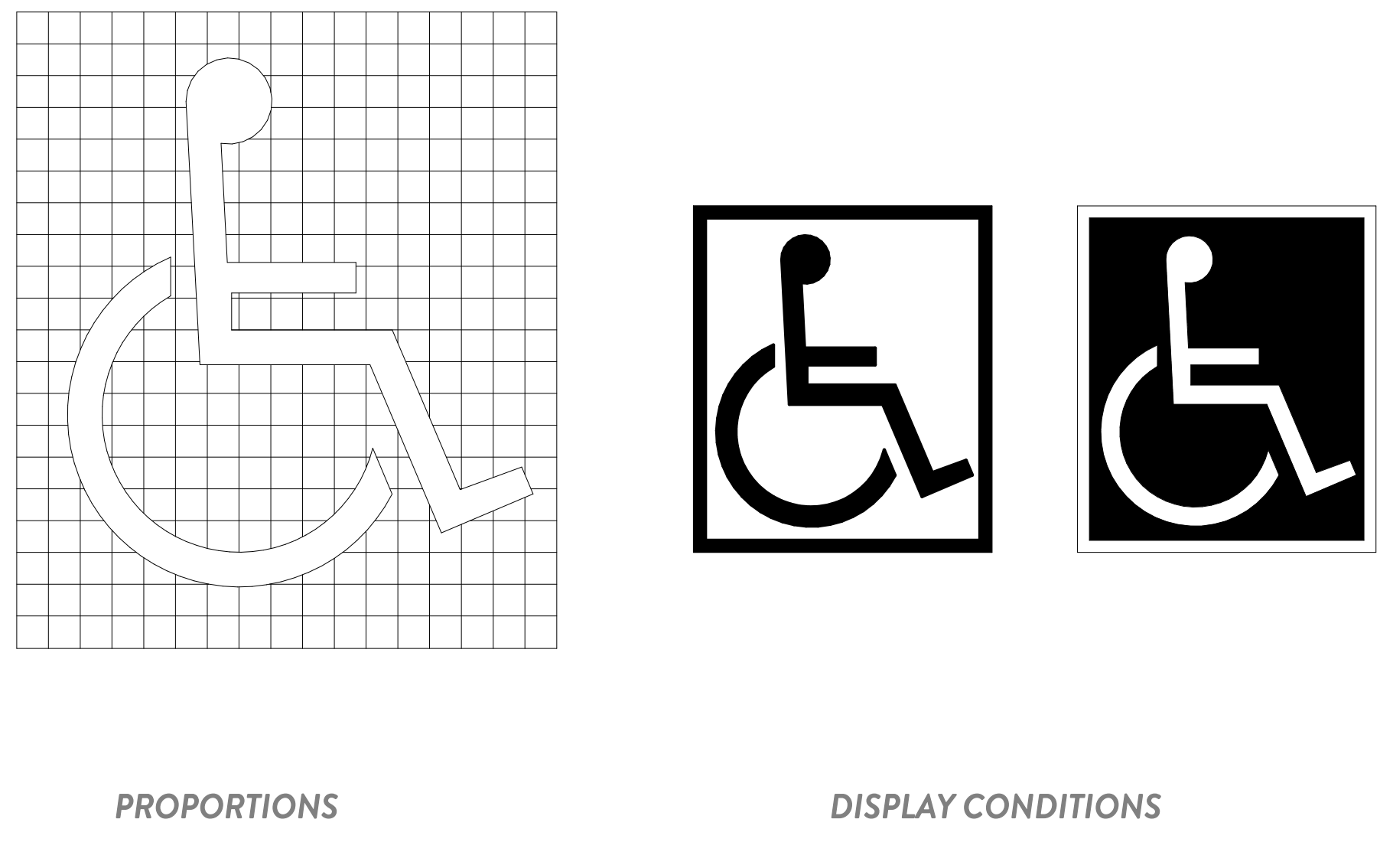
2. THE WATER CLOSET SHALL BE LOCATED IN A SPACE WHICH PROVIDES A MINIMUM 28" CLEAR SPACE FROM A FIXTURE OR 32" CLEAR SPACE FROM A WALL ON ONE SIDE. A MINIMUM OF 48" CLEAR SPACE SHALL BE PROVIDED IN FRONT OF THE WATER CLOSET.



4 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"

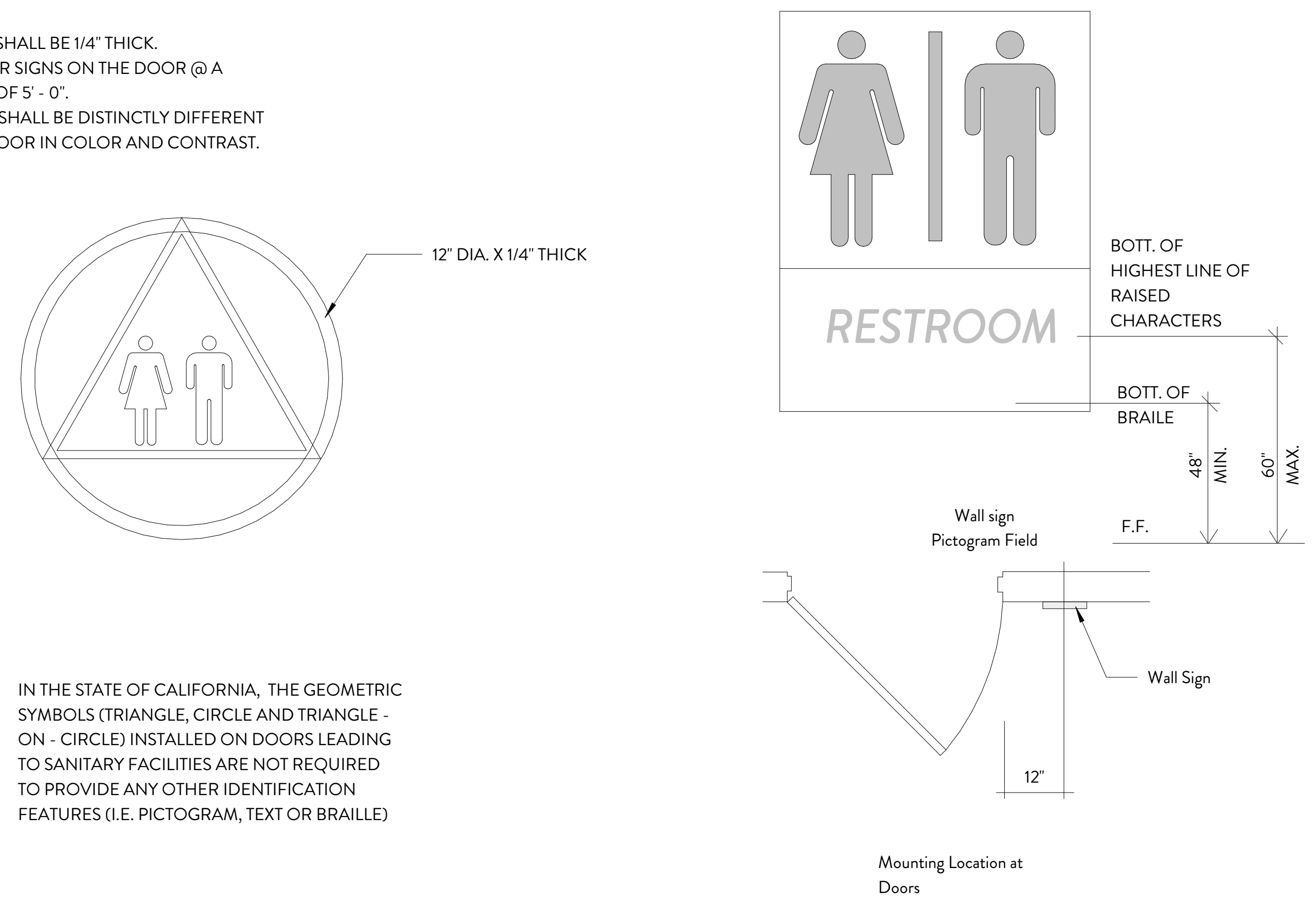


1 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"



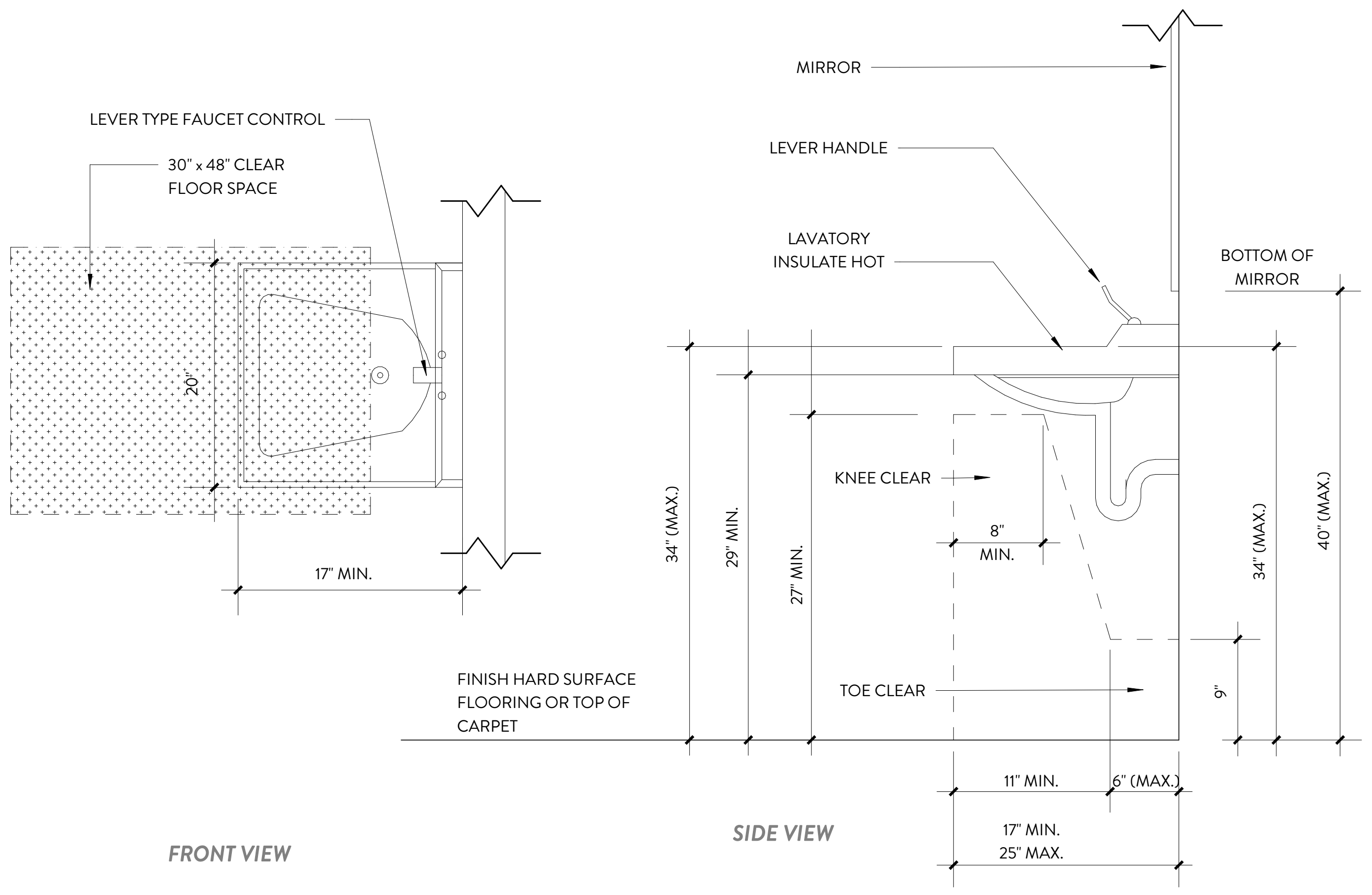
7 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"

1. SIGNS SHALL BE 1/4" THICK.
2. CENTER SIGNS ON THE DOOR @ A HEIGHT OF 5' - 0".
3. SIGNS SHALL BE DISTINCTLY DIFFERENT FROM DOOR IN COLOR AND CONTRAST.

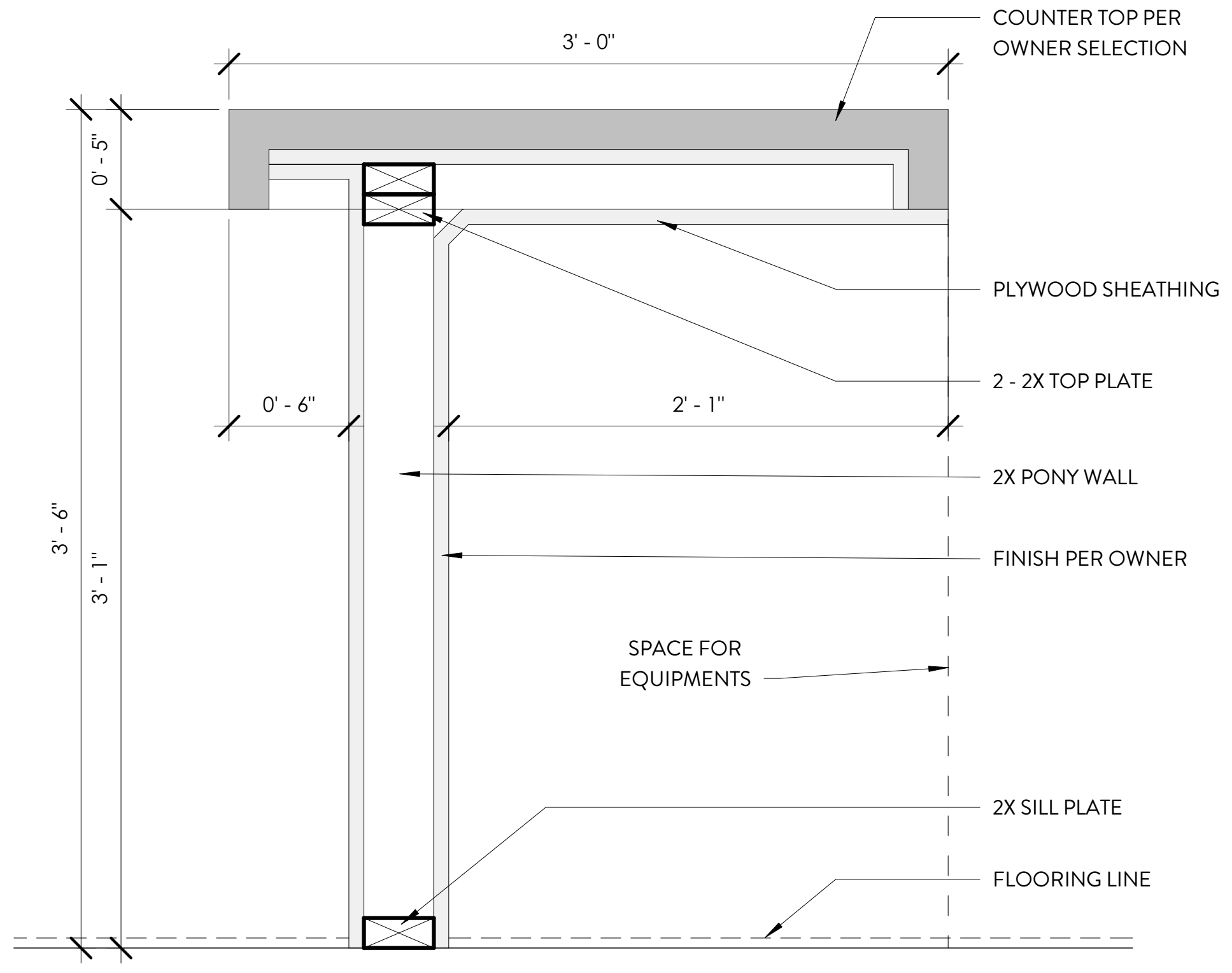

12" DIA. X 1/4" THICK
RESTROOM
BOTT. OF HIGHEST LINE OF RAISED CHARACTERS
BOTT. OF BRAILE
48" MIN.
60" MAX.
F.F.
Wall sign Pictogram Field
Wall Sign
12"
Mounting Location at Doors

IN THE STATE OF CALIFORNIA, THE GEOMETRIC SYMBOLS (TRIANGLE, CIRCLE AND TRIANGLE - ON - CIRCLE) INSTALLED ON DOORS LEADING TO SANITARY FACILITIES ARE NOT REQUIRED TO PROVIDE ANY OTHER IDENTIFICATION FEATURES (I.E. PICTOGRAM, TEXT OR BRAILLE)

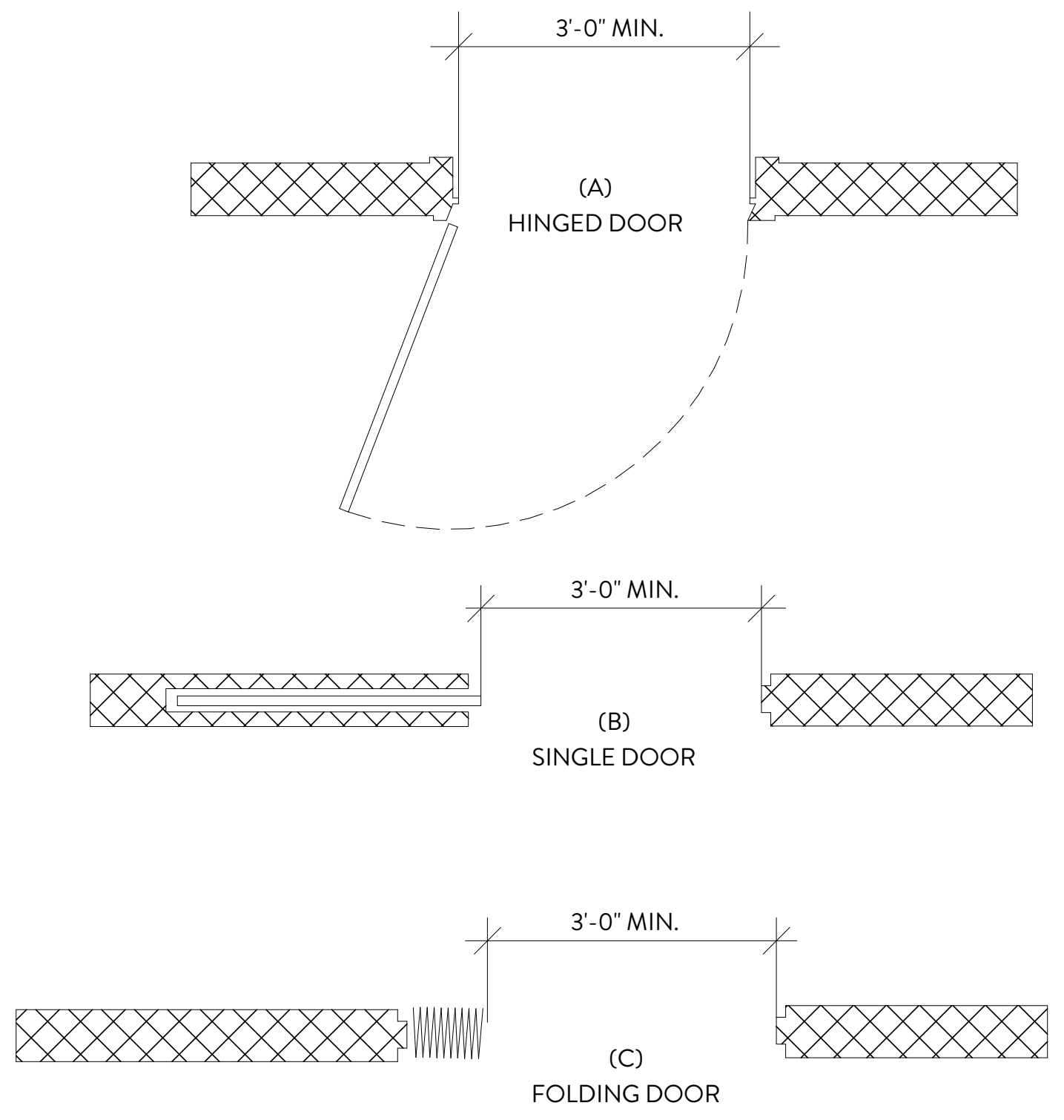
5 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"



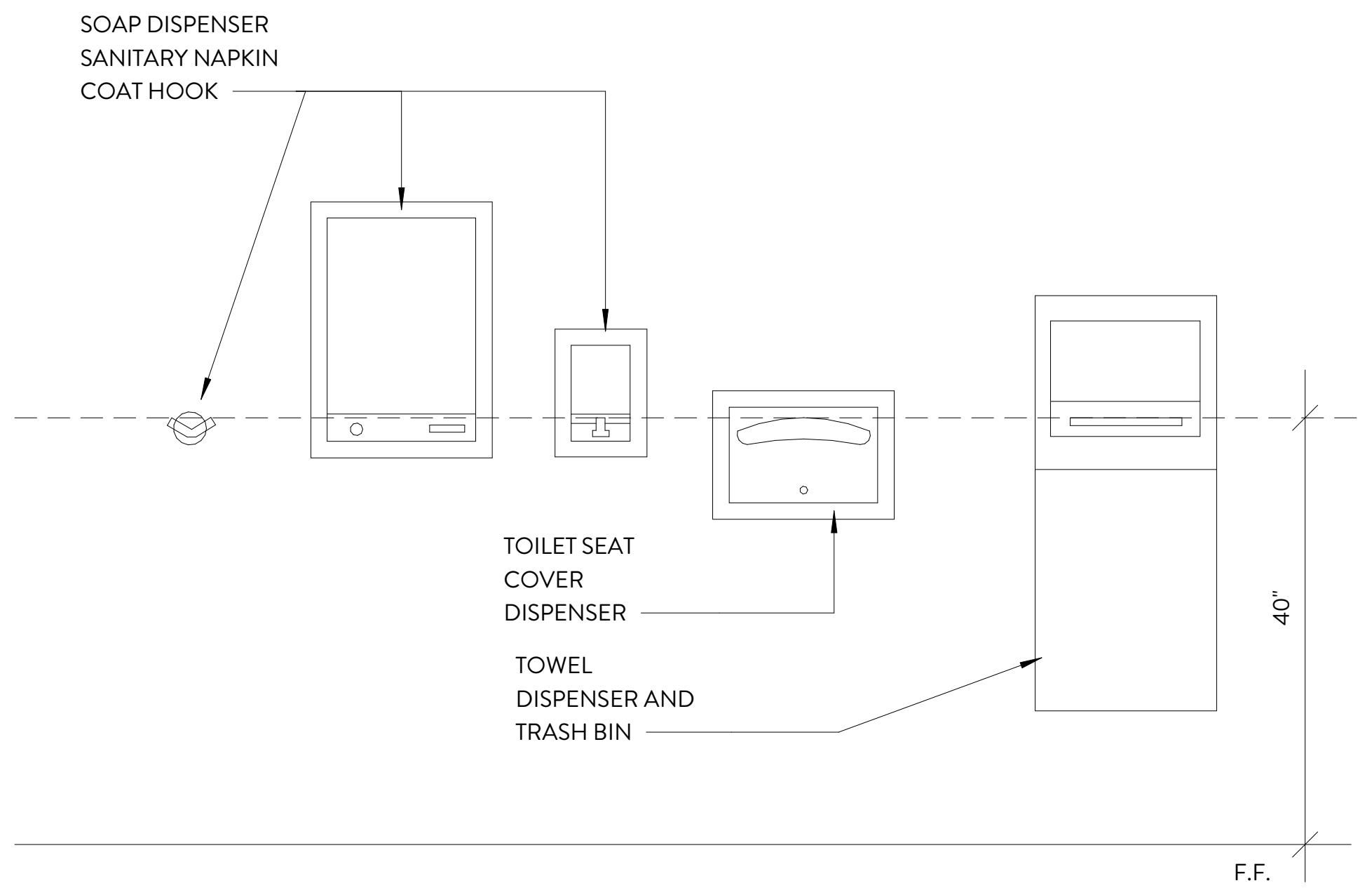
2 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"



8 SERVICE COUNTER
1 1/2" = 1'-0"



6 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"



3 INTERIOR WALL DETAIL (N)
1 1/2" = 1'-0"

STUDIO ONE

ACCESSIBLE DETAILS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HAM
C-26663
9/30/25

DESIGNER: STUDIO ONE

JOB NO. *S1/441.00*

REVISIONS

NO.	DESCRIPTION	DATE

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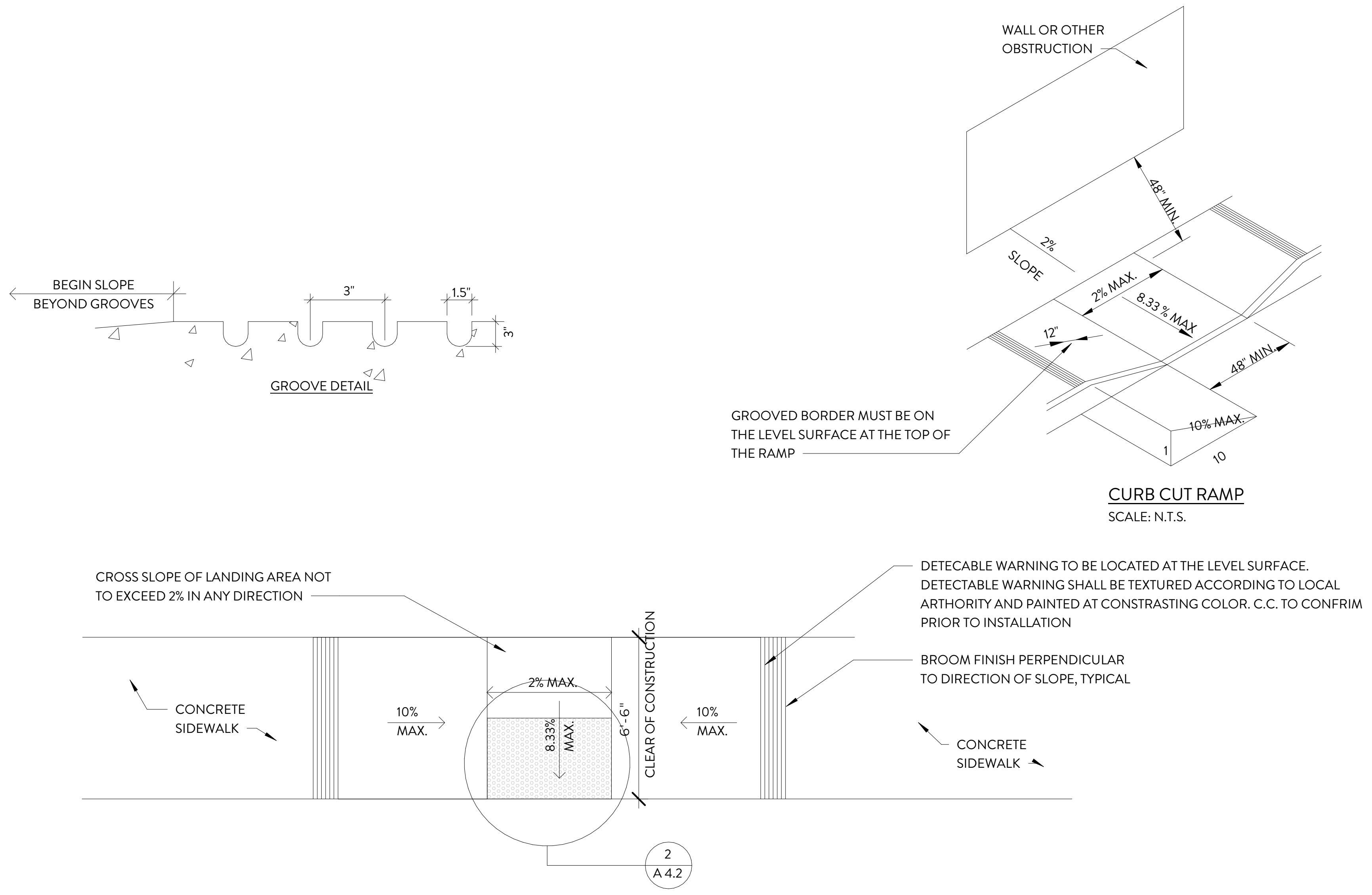
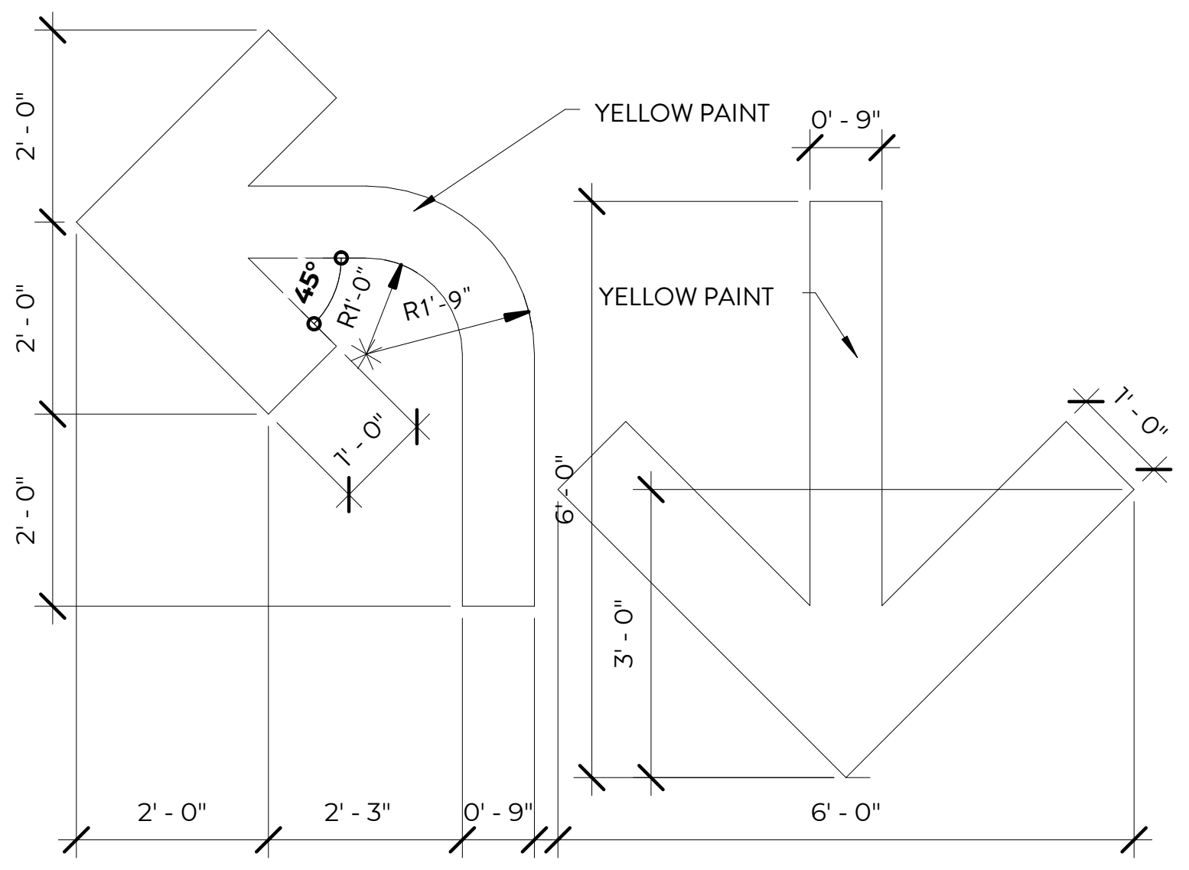
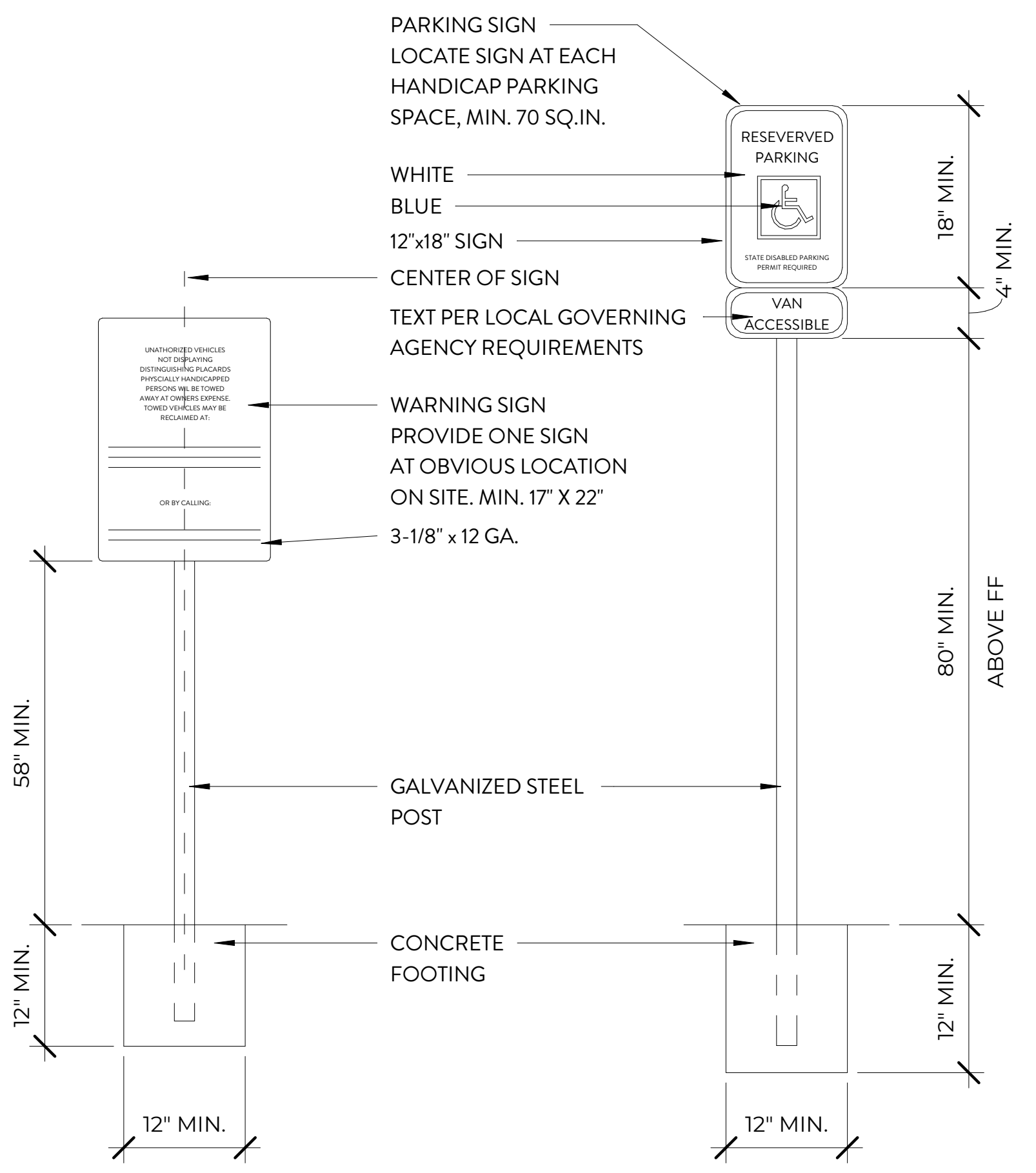

WALL OR OTHER
OBSTRUCTION
48" MIN.
2%
SLOPE
2% MAX.
8.33 % MAX
12"
48" MIN.
10% MAX.
1
10
BEGIN SLOPE
BEYOND GROOVES
3"
1.5"
3"
GROOVE DETAIL
GROOVED BORDER MUST BE ON THE LEVEL SURFACE AT THE TOP OF THE RAMP
CURB CUT RAMP
SCALE: N.T.S.
CROSS SLOPE OF LANDING AREA NOT TO EXCEED 2% IN ANY DIRECTION
DETECABLE WARNING TO BE LOCATED AT THE LEVEL SURFACE. DETECTABLE WARNING SHALL BE TEXTURED ACCORDING TO LOCAL ARTHORITY AND PAINTED AT CONSTRASTING COLOR. C.C. TO CONFRIM PRIOR TO INSTALLATION
BROOM FINISH PERPENDICULAR TO DIRECTION OF SLOPE, TYPICAL
CONCRETE SIDEWALK
10% MAX.
2% MAX.
8.33% MAX.
6'-6"
CLEAR OF CONSTRUCTION
10% MAX.
CONCRETE SIDEWALK
2
A 4.2

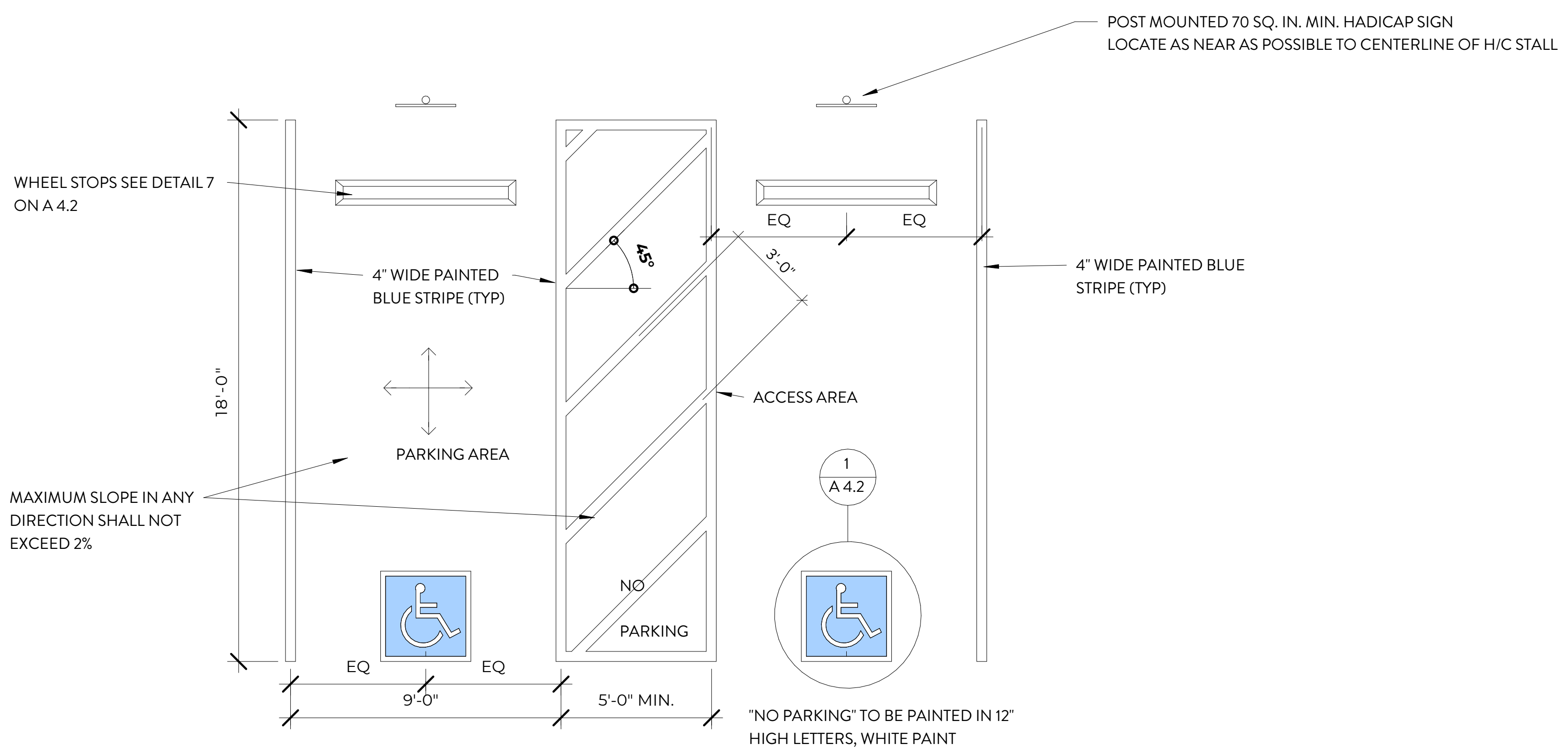
9 ACCESSIBILITY - TYPICAL ADA RAMP
1" = 1'-0"



6 ACCESSIBILITY - TURN STRIPPING
1/2" = 1'-0"



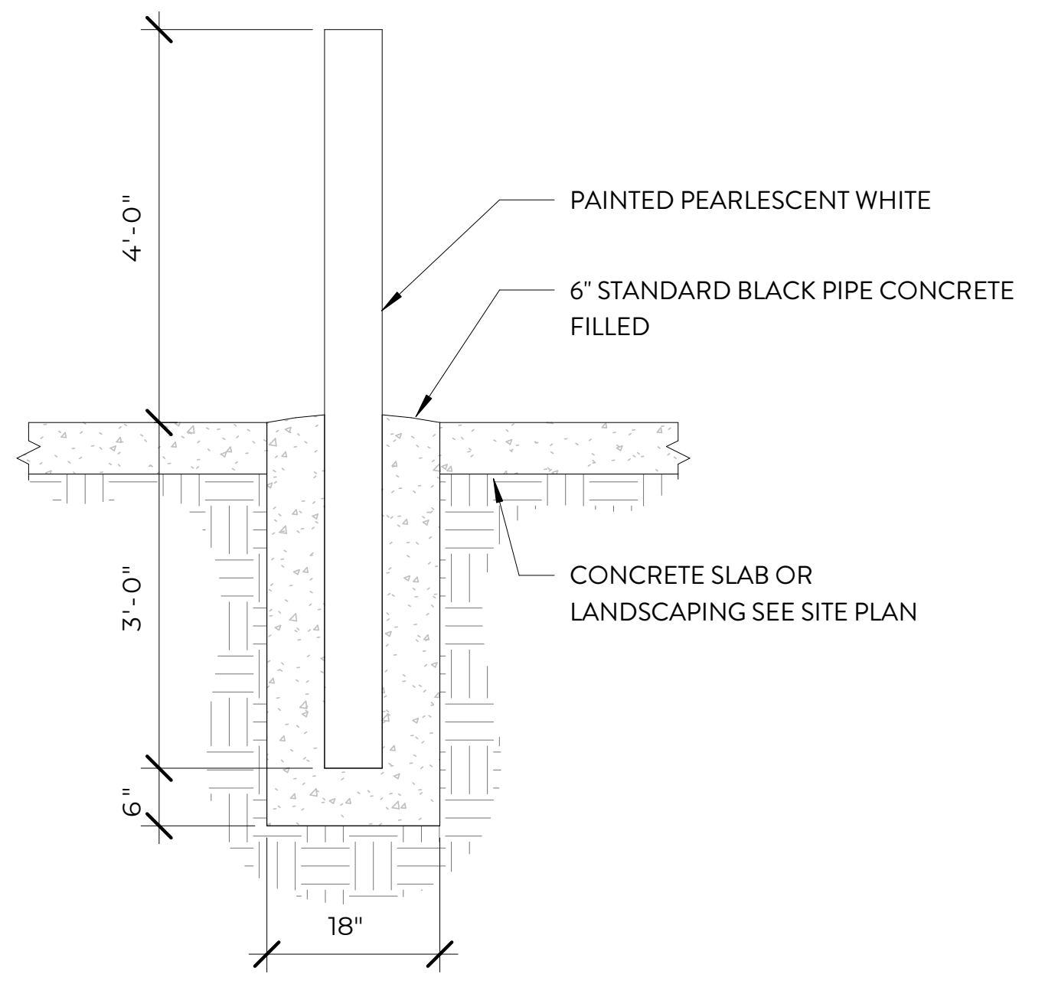
3 ACCESSIBILITY - HANDICAP PARKING SYMBOL
1 1/2" = 1'-0"



NOTE:

1. TURNCATED DOME DETECTALE WARNING SURFACE IS REQUIRED ON SHADED PORTION OF
2. THE RAMP WHEN SLOPE IS BETWEEN 5.0% AND 6.67%
3. CHANGE IN ELEVATION GREATER THAN 6" REQUIRES HANDRAILS.
4. IF "X" IS LESS THAN 48" THE THE SLOPE OF FANNED OR FLARED SIDE MAY NOT EXCEED 1:12 (83.33%)

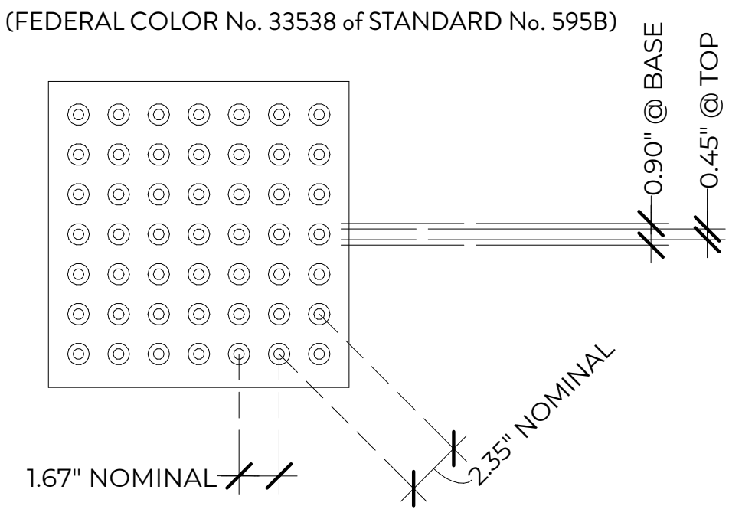
8 ACCESSIBILITY - TYPICAL ADA PARKING
1" = 1'-0"


4'-0"
PAINTED PEARLESCENT WHITE
6" STANDARD BLACK PIPE CONCRETE
FILLED
3'-0"
CONCRETE SLAB OR
LANDSCAPING SEE SITE PLAN
6"
18"

5 ACCESSIBILITY - SITE BOLLARD
1" = 1'-0"

COLOR: YELLOW

(FEDERAL COLOR No. 33538 of STANDARD No. 595B)



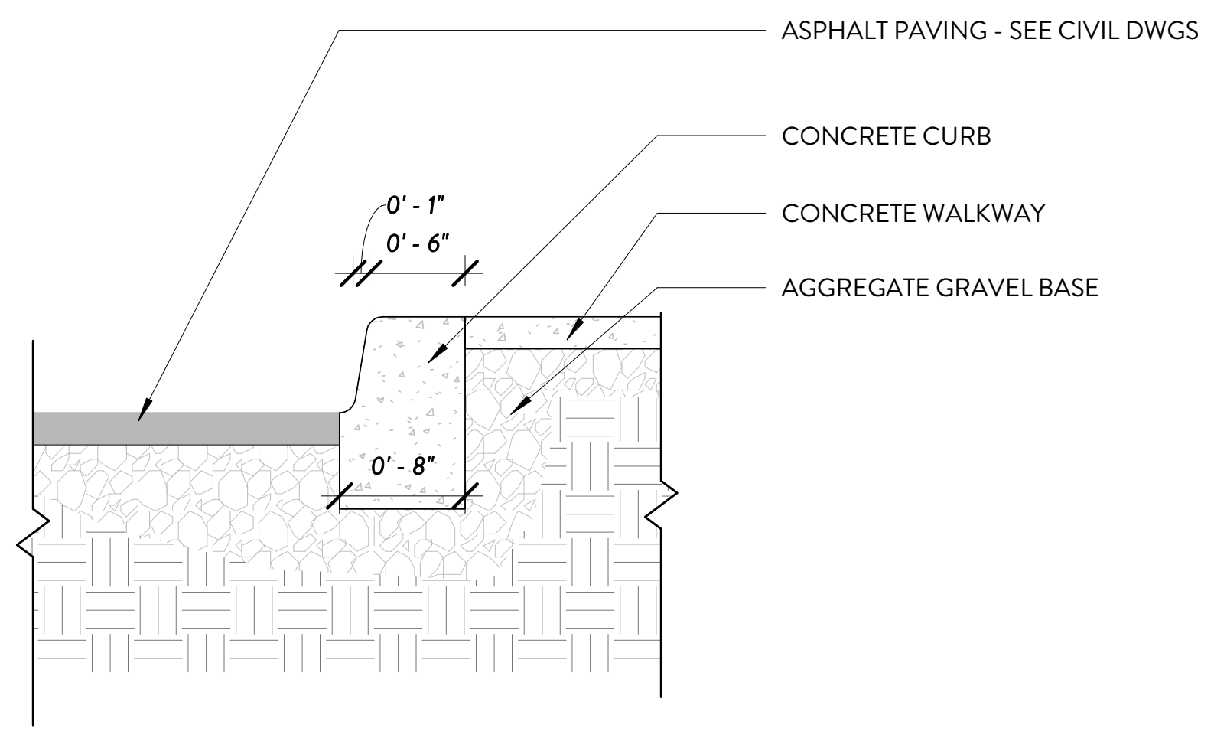
CONFIGURATION

"IF A WALK CROSSES OR ADJOINS A VEHICULAR WAY, AND THE WALKING SURFACES ARE NOT SEPARATED BY CURBS, RAILINGS OR OTHER ELEMENTS BETWEEN THE PEDESTRIAN AREAS AND VEHICULAR AREAS, THE BOUNDARY BETWEEN THE AREAS SHALL BE IDENTIFIED BY A CONTINUOUS DETECTABLE WARNING"

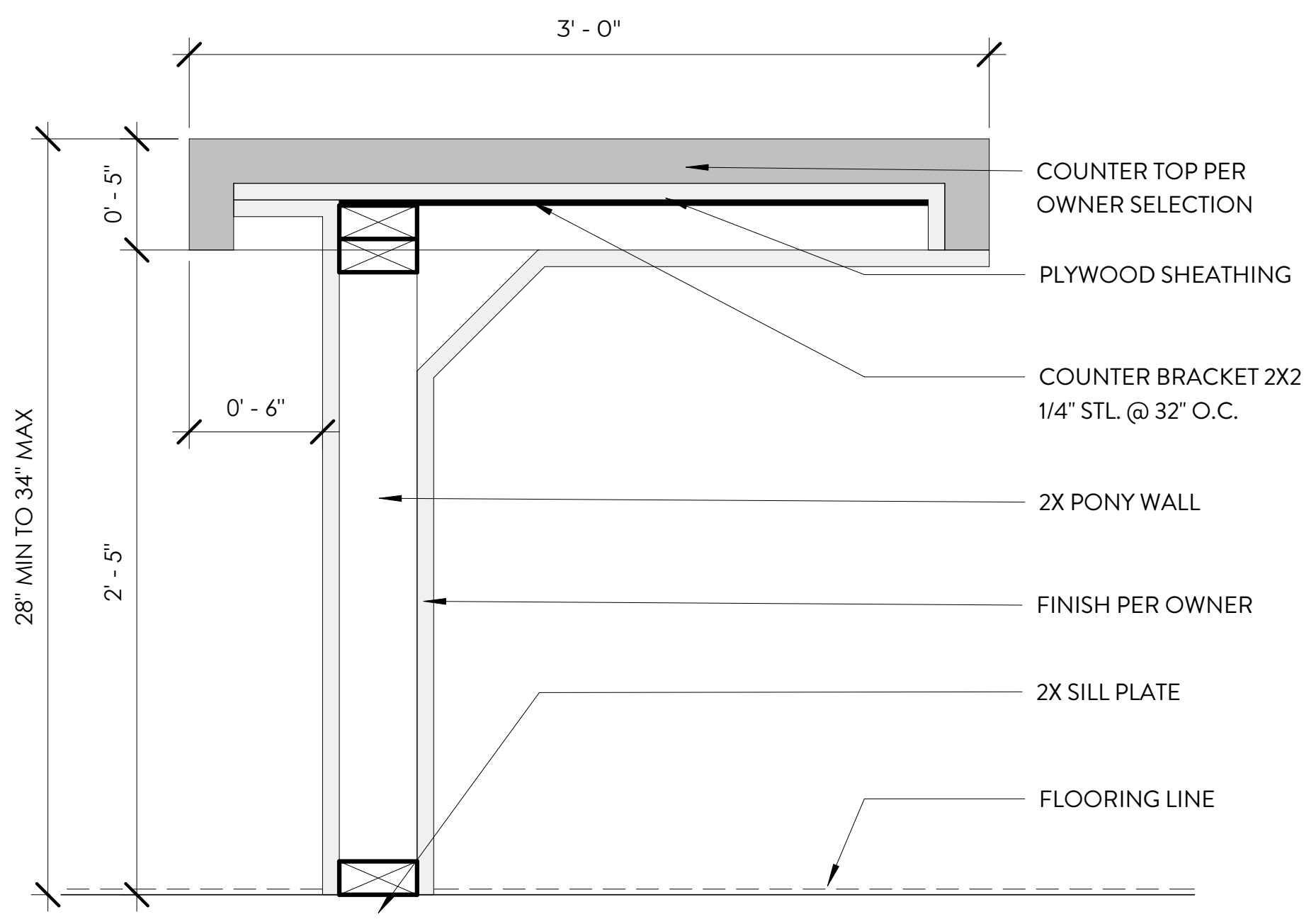
2022 CBC SECTION 11B-705.1

A. DETECTABLE WARNING SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF NOMINAL 0.9 INCH AT THE BASE TAPERING TO 0.45 INCHES AT THE TOP. A HEIGHT OF NOMINAL 0.2 INCH AND A CENTER-TO-CENTER SPACING OF NOMINAL 2.36 INCHES
B. DEPTH OF THE DETECTABLE WARNING SHALL BE 36 INCHES WIDE AND SHALL BE PLACED AT THE BOUNDARY BETWEEN THE VEHICULAR AND PEDESTRIAN WAY.
C. DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL LENGTH OF THE BOUNDARY BETWEEN THE VEHICULAR AND PEDESTRIAN AREAS.
D. DETECTABLE WARNING SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES. THE COLOR OF THE DETECTABLE WARNING MUST BE YELLOW CONFORMING TO FEDERAL COLOR NO. 33538 OF STANDARD NO. 595B.
E. MATERIALS USED TO PROVIDE VISUAL CONTRAST IS AN INTEGRAL PART OF THE WALKING SURFACE.
F. THE DETECTABLE WARNING SURFACE SHALL DIFFER FROM ADJOINING WALKING SURFACES IN RESILIENCY OR SOUND ON CANE CONTACT

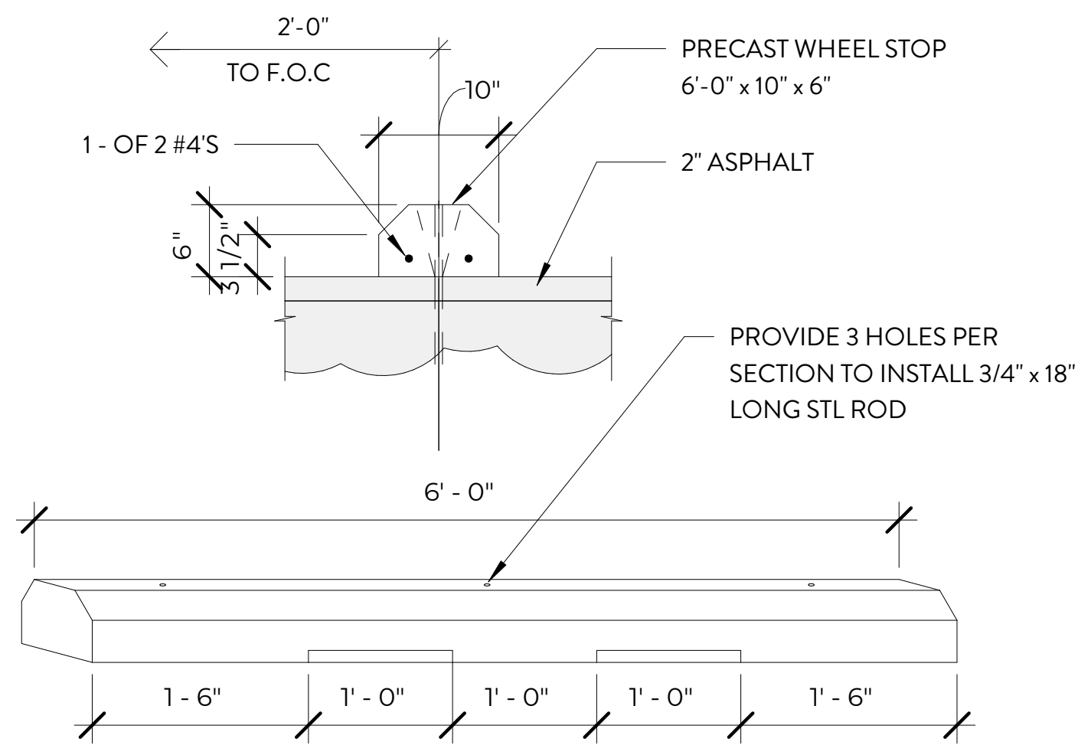
2 ACCESSIBILITY - HANDICAP PARKING SYMBOL
1" = 1'-0"



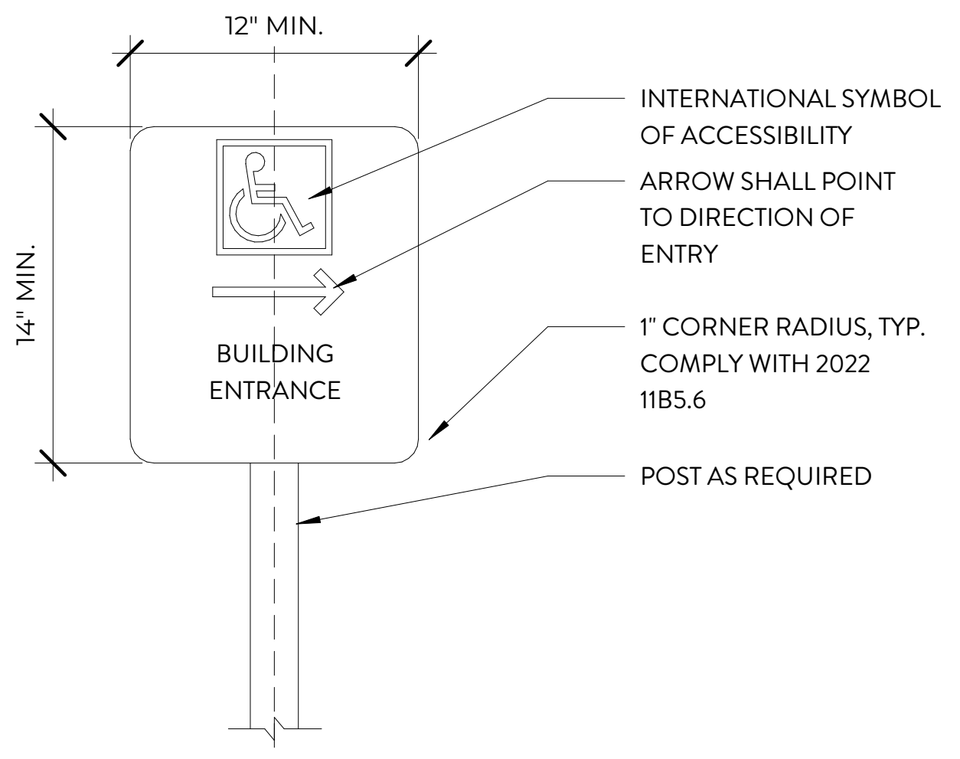
11 CURB & GUTTER DETAIL - TYPE A
1" = 1'-0"



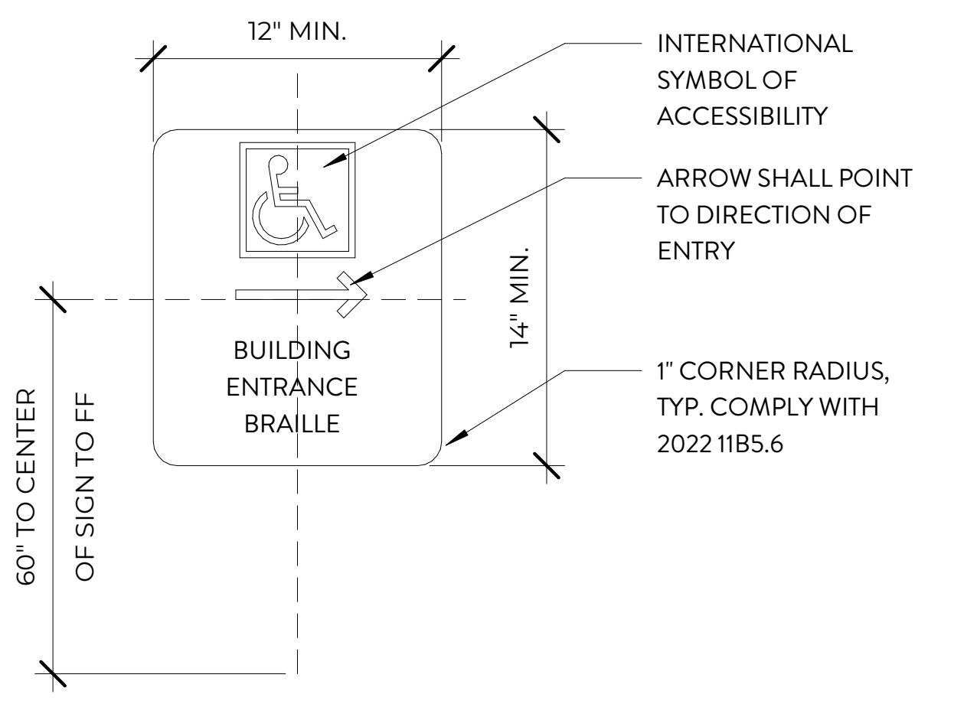
10 DTL 15 - ADA ACCESSIBLE SERVICE COUNTER
1 1/2" = 1'-0"



7 ACCESSIBILITY - CONCRETE WHEEL STOP
1" = 1'-0"

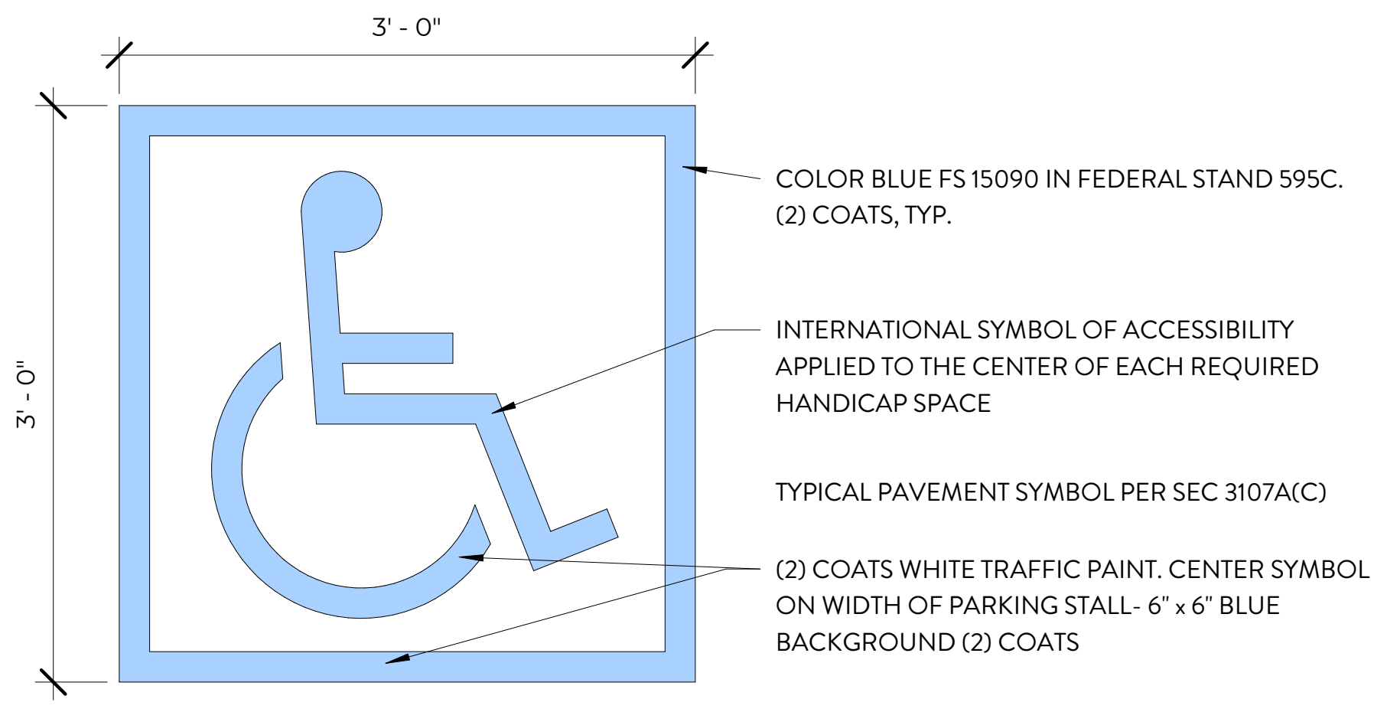


BUILDING ENTRANCE SIGN



BUILDING ENTRANCE SIGN - NO POST

4 ACCESSIBILITY - BUILDING ENTRANCE SIGNAGE
1" = 1'-0"


3' - 0"
3' - 0"
COLOR BLUE FS 15090 IN FEDERAL STAND 595C.
(2) COATS, TYP.
INTERNATIONAL SYMBOL OF ACCESSIBILITY
APPLIED TO THE CENTER OF EACH REQUIRED
HANDICAP SPACE
TYPICAL PAVEMENT SYMBOL PER SEC 3107A(C)
(2) COATS WHITE TRAFFIC PAINT. CENTER SYMBOL
ON WIDTH OF PARKING STALL- 6" x 6" BLUE
BACKGROUND (2) COATS

1 ACCESSIBILITY - HANDICAP PARKING SYMBOL
1" = 1'-0"

STUDIO ONE

SITE ACCESSIBILITY DETAILS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

STATE OF CALIFORNIA
GREGORY SCOTT HANN
C-26663
REN. 9/30/25
LICENSED ARCHITECT

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

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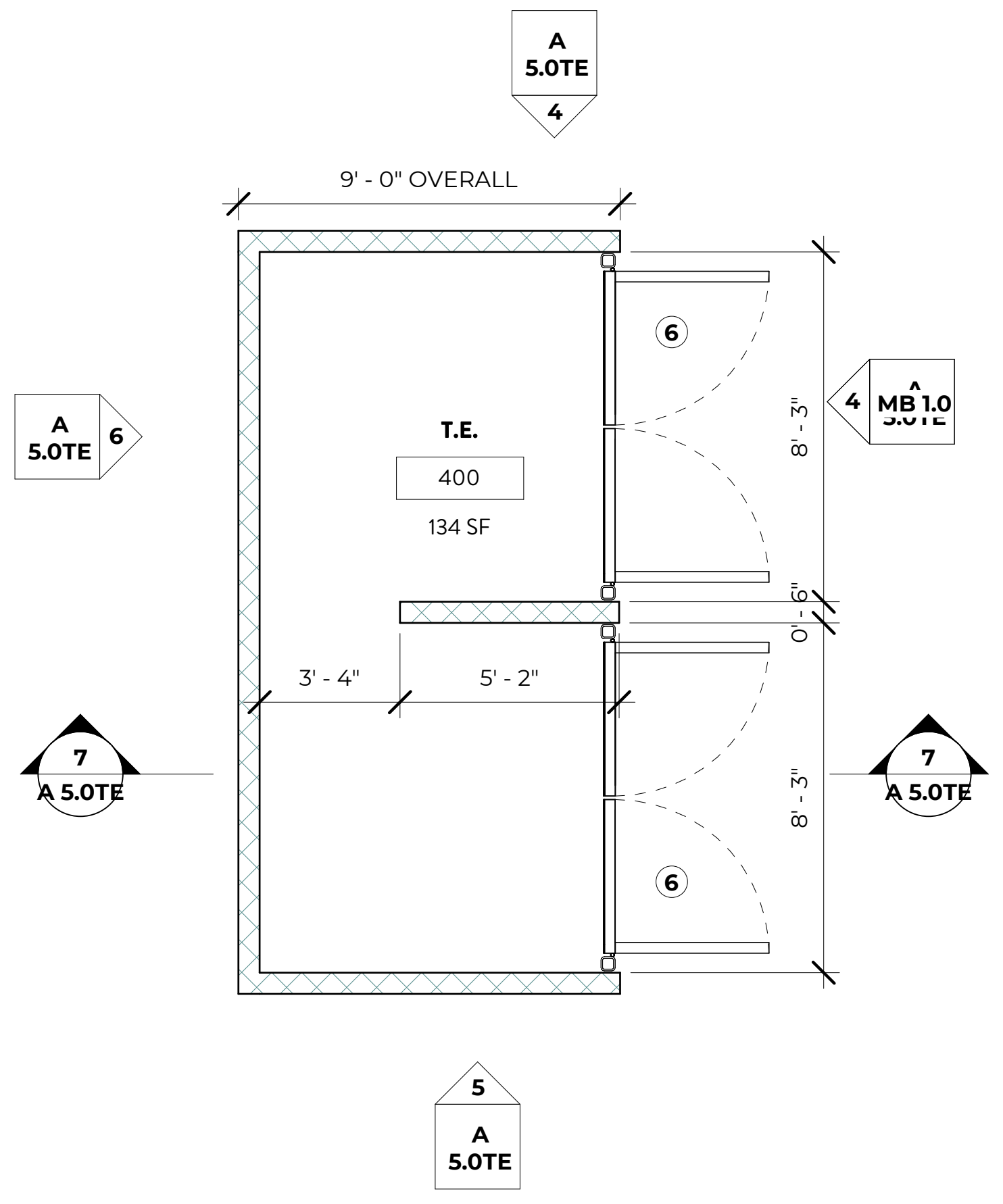
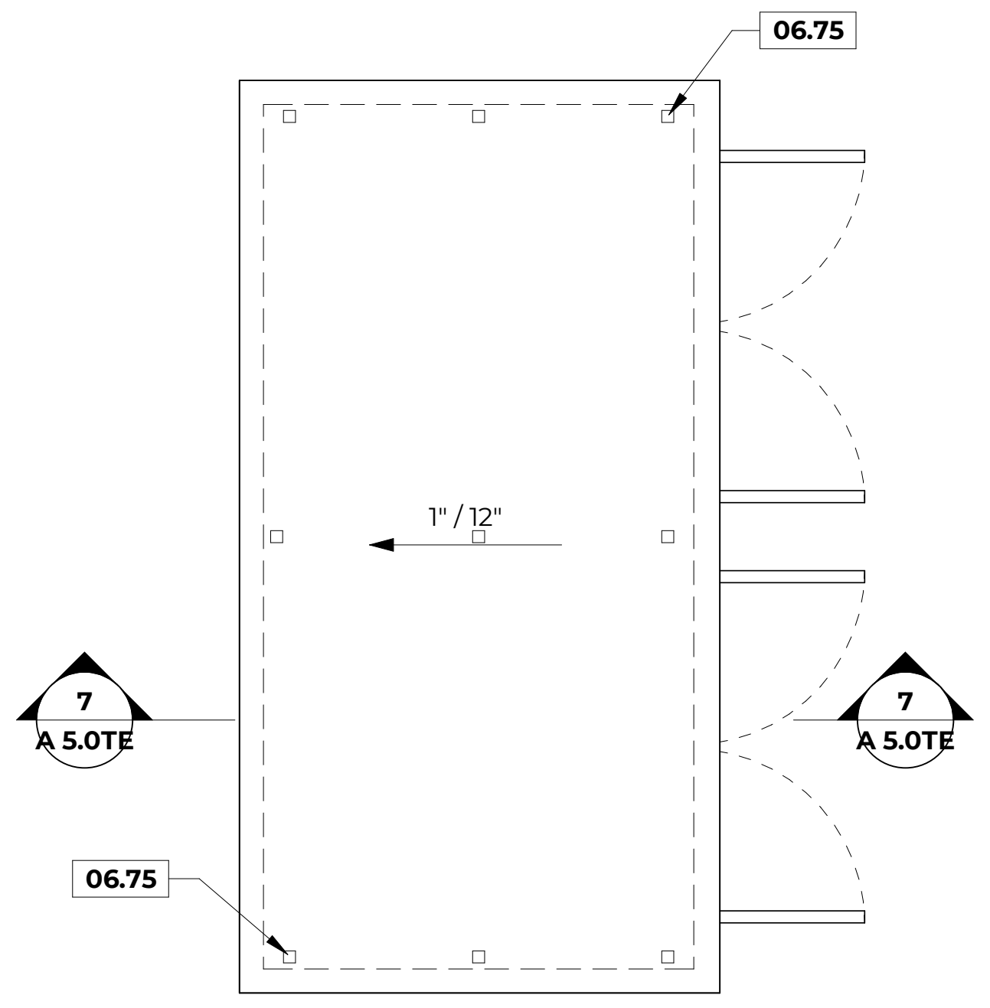
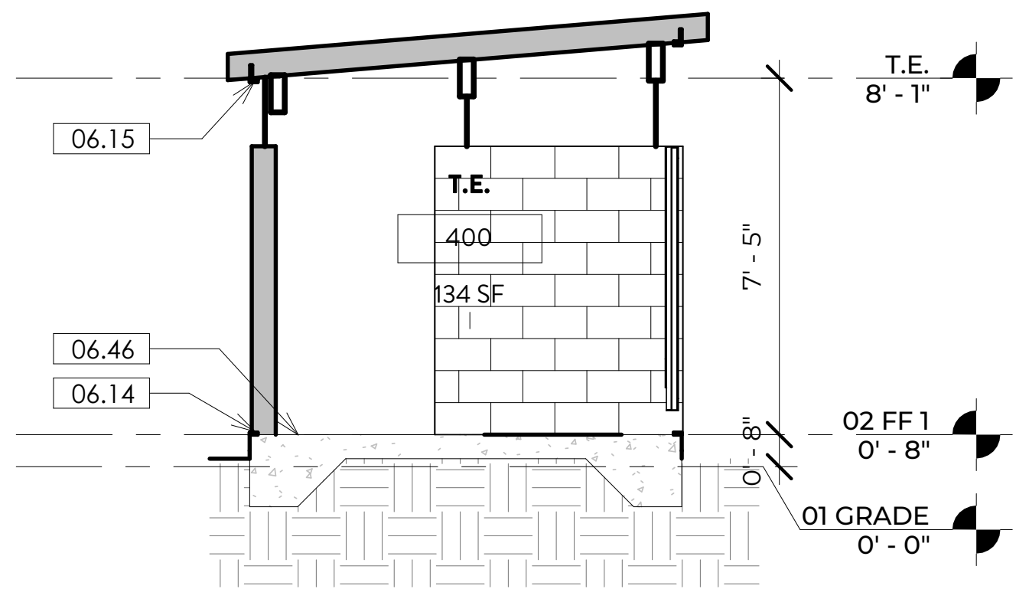


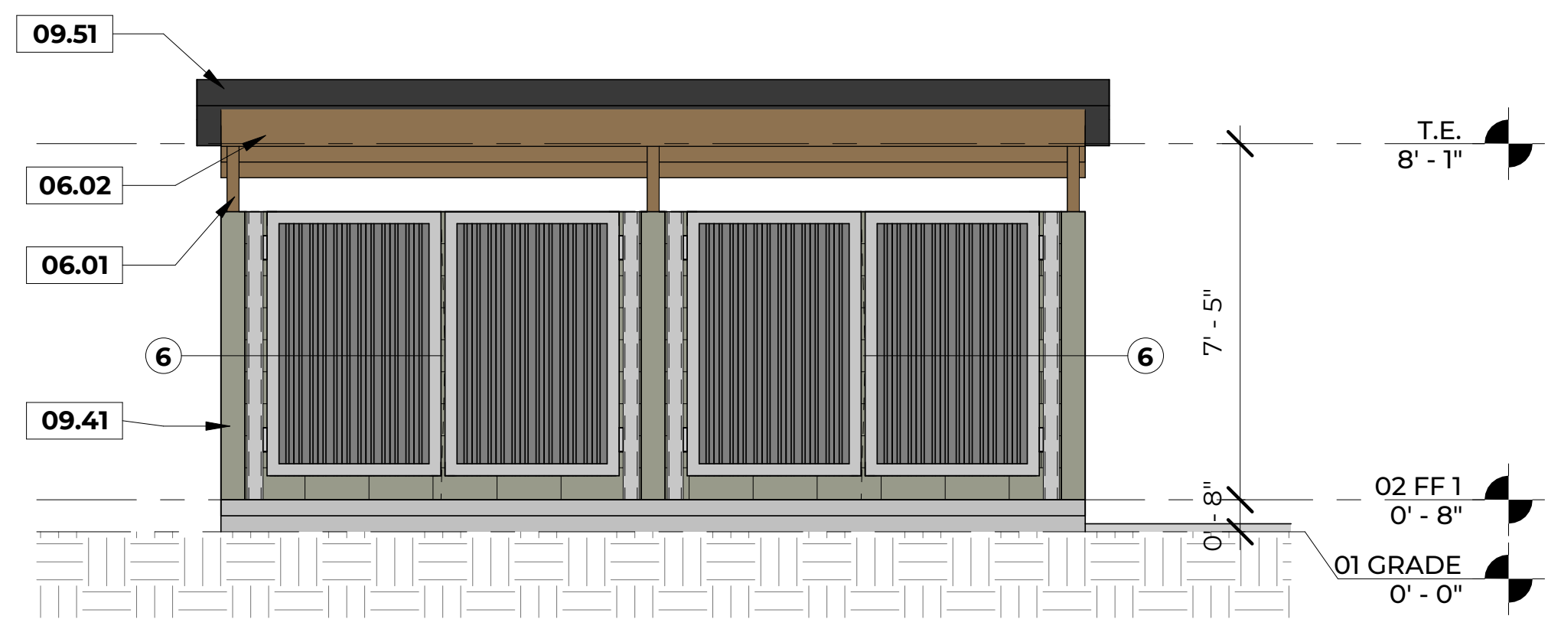
1 DIMENSIONED & KEYED FLOOR PLAN - TRASH ENCLOSURE
1/4" = 1'-0"



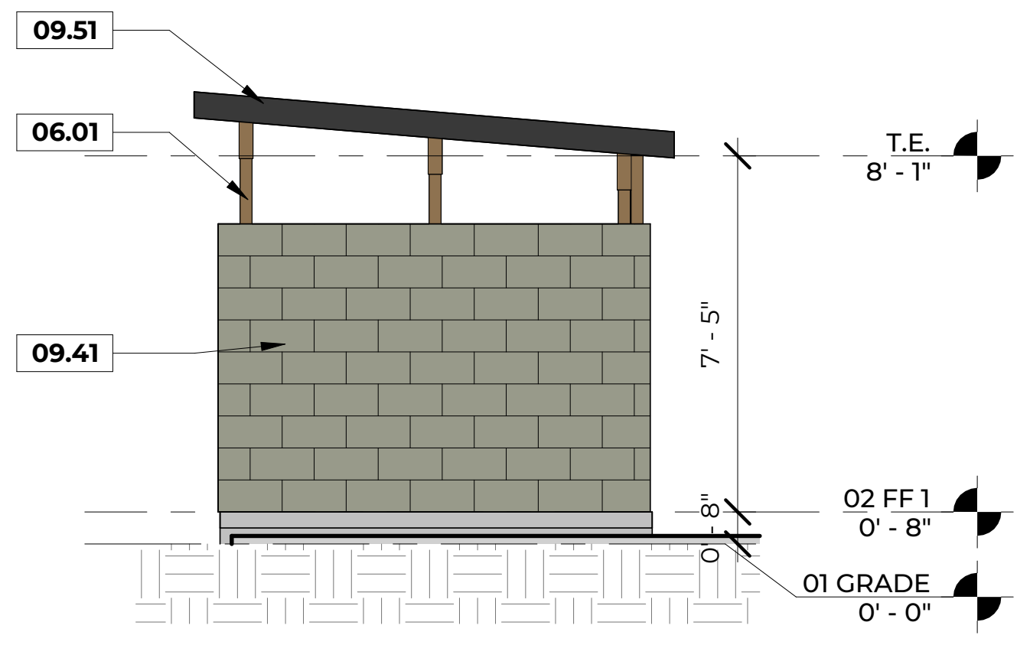
2 ROOF PLAN - TRASH ENCLOSURE
1/4" = 1'-0"



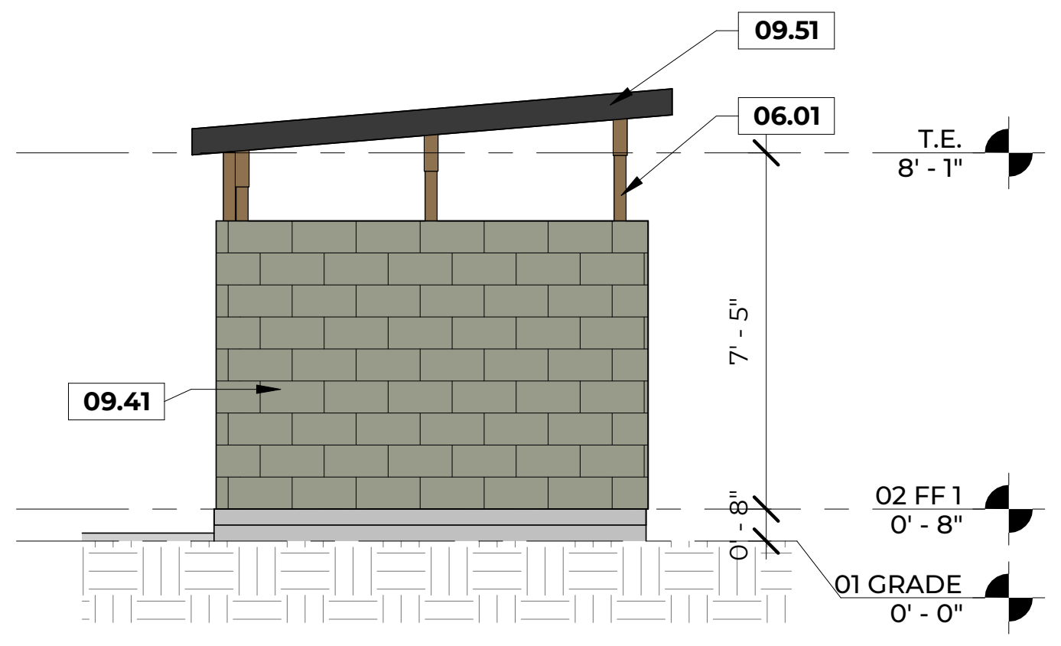
7 SECTION 1 TRASH ENCLOSURE
1/4" = 1'-0"



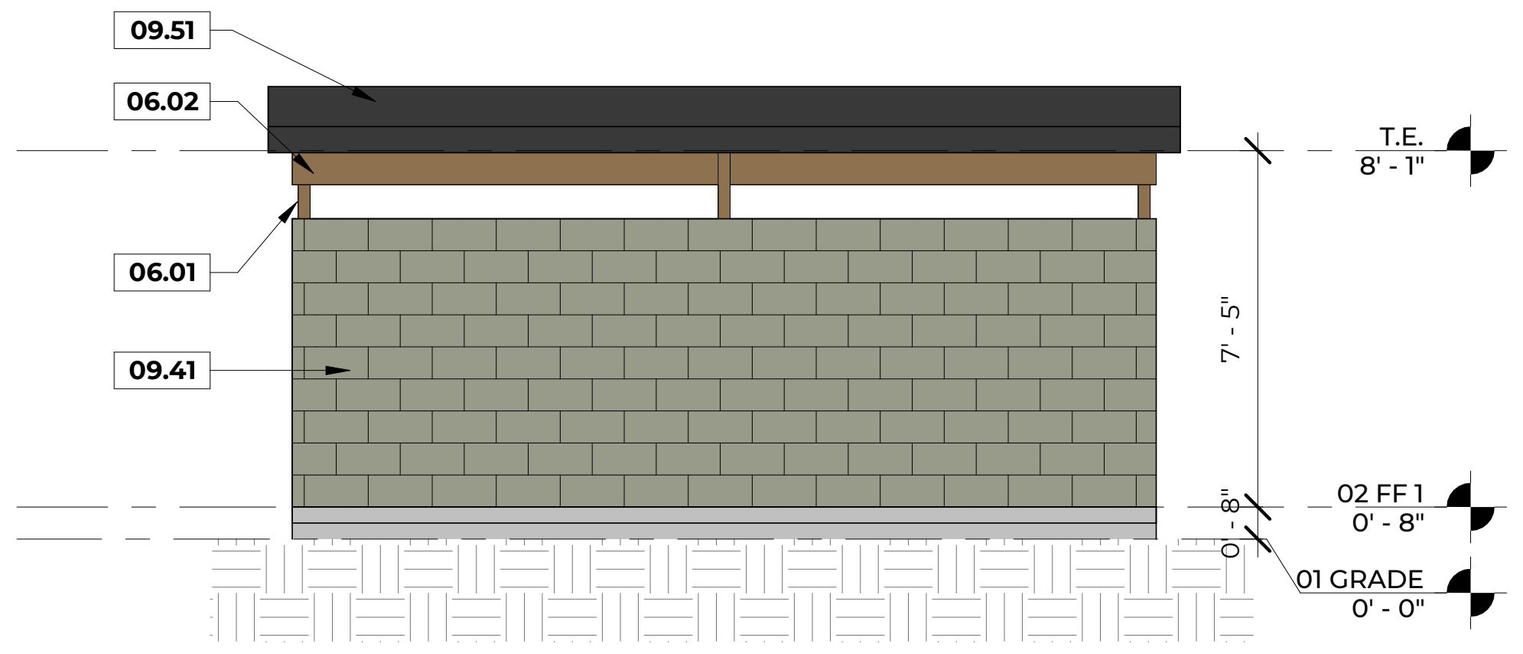
3 EAST ELEVATION - T.E.
1/4" = 1'-0"



4 NORTH ELEVATION - T.E.
1/4" = 1'-0"



5 SOUTH ELEVATION - T.E.
1/4" = 1'-0"



6 WEST ELEVATION - T.E.
1/4" = 1'-0"

ROOF SPECIFICATIONS & NOTES

RF- 1 NEW CLASS "A" ROOFING
CORRUGATED STEEL ROOFING UL APPROVED FIRE RESISTIVE OVER 2 - LAYER # 15 FELT

BY EAGLE ROOFING OR EQUAL, ICC-ES ESR#1900

KEYNOTE LEGEND

KEY VALUE	KEYNOTE TEXT
06.01	NEW COLUMN
06.02	NEW BEAM: REF. STRUCT'L
06.14	P.T.D.F. SILL PLATE: REF. STRUCT'L
06.15	DOUBLE TOP PLATE: REF. STRUCT'L
06.46	4X4 TUBE STEEL BEAM
06.75	(N) 4x4 TUBE STEEL POST FOR STEEL ARBOR
09.41	SPLIT FACE CMU BLOCK, PER OWNER SELECTION
09.51	NEW STEEL ROOFING

FLOOR PLAN LEGEND

▭	(N) 2x STUD WALL
▭	(N) 2x STUD WALL, 1 HR FIRE WALL, SEE DETAIL 14 ON A 4.0
?	KEYNOTE TAG
▨	(N) METAL PANEL, TYPE- II CONSTRUCTION. SEE DETAIL #1 ON A 4.0
▨	(N) STONE VENEER FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #3 ON A 4.0
▨	(N) TILE FINISH, BY ELDORADO STONE, ICC ESR-1215. SEE DETAIL #5 ON A 4.0

ADDITIONAL NOTES

⊠	(N) CMU BLOCK WALL

1. LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH CFX906 AND CALIFORNIA CODE OF REGULATIONS (CCF) TITLE19
2. DURING CONSTRUCTION AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY IN ALL STORAGE AND CONSTRUCTION SHEDS IN LOCATIONS WHERE FLAMABLE OR COMBUSTIBLE LIQUIDS AREA STORED OR USED AND WHERE OTHER SPECIAL HAZARDS AREA PRESENT PER CGX 14115.1
3. ADDRESS INDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDING IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM PROPERTY. WHERE ACCESS IS BY WAY OF A PRIVATE RAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE.
4. KEY BOXES SHALL BE PROVIDED FOR ALL (HIGH RISE BUILDINGS, POOL ENCLOSURES GATES IN THE PATH OF FIREFIGHTER TRAVEL TO STRUCTURES, SECURED PARKING LEVELS, DOORS GIVING ACCESS TO ALARM PANELS AND OR ENUNCIATORS, AND ANY OTHER) STRUCTURES OR AREAS WHERE ACCESS TO AB AREA US RESTRICTED
5. DUMPSTER AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORES IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENING OR COMBUSTIVE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN TYPE 1 OR A STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD HALL BE OF NON OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED CFC 304.3
6. EXITS, EXITS SIGN, FIRE ALARMS PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL
7. OPEN FLAMES FIRE, AND BURNING ON ALL PREMISES IS PROHIBITED
8. THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF OBSTRUCTIONS AT ALL TIME NOT STORAGE IS PERMITTED IN ANY EGRESS PATHS.
9. COMPLETE PLANS AND SPECIFICATIONS FOR ALL FIRE EXTINGUISHING SYSTEMS INCLUDING AUTOMATIC SPRINKLER AND STANDPIPE SYSTEMS AND OTHER SPECIAL FIRE EXTINGUISHING SYSTEMS AND RELATED APPURTENANCES SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION
10. FIRE SPRINKLER SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 903.3
11. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATERFOWL SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRONICALLY MONITORED WHERE THE NUMBER OF SPRINKLERS SERVED IS 20 OR MORE CBC 903.4
12. ONE APPROVED AUDIBLE DEVISE MUST BE CONNECTED TO EVERY AUTOMATIC SPRINKLER SYSTEM IN AN APPROVED LOCATION ON THE EXTERIOR OF THE STRUCTURE CBC 903.4.2
13. COMPLETE PLANS AND SPECIFICATIONS FOR THE FIRE ALARM SYSTEMS SHALL BE SUBMITTED TO THE CITY OF SAN DIEGO DEVELOPMENT SERVICES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION CFC 907.1.1
14. FIRE ALARM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH CBC 907.6
15. AUTOMATIC FIRE SPRINKLER SYSTEMS AND ALL CONTROL VALUES WITH THE EXCEPTION OF THOSE LISTED IN THE CBC 903.4 SHALL BE MONITORED BY A UL LISTED CENTRAL ALARM SYSTEM

EXIT DOORS

1. ALL EXIT DOOR SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE.
2. PROVIDE A SIGN OVER THE MAIN EXTERIOR EXIT DOOR THAT STATES "THIS DOOR TO REMAIN UNLOCKED DURING BUSINESS WHEN BUILDING IS OCCUPIED".

ADDITIONAL NOTES

1. ELECTRICAL CIRCUIT CARD SHALL BE COMPLETED PRIOR TO REQUESTING ROUGH FRAME, ELECTRICAL INSPECTION.
2. ALL 125-VOLT SINGLE PHASE, 15 AND 20 AMP CIRCUITS INSTALLED IN BEDROOMS, LIVING AREAS, DINING ROOMS AND SIMILIAR AREAS SHALL BE PROTECTED BY AN ARC-FAULT-CIRCUIT-INTERRUPTER(S), (AFCI).
3. ALL 125-VOLT SINGLE PHASE, 15 OR 20-AMPERE-RATED RECEPTABLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCAITON FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIDGERATION EQUIPMENT IN ATTICS AND CRAWL SPACES. THE RECEPTACLES SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 25' OF THE HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS (210-63).
4. MAIN ELECTRICAL PANEL TO HAVE MINIMUM BUSBAR RATING OF 200 AMPS AND RESERVE A SPACE THAT IS PERMANENTLY MARKED FOR FUTURE ELECTRICAL FOR A DOUBLE POLE CIRCUIT BREAKER.

STUDIO ONE

TRASH ENCLOSURE
HAVEN VINEYARD - NO. 240015
41699 CAMINO DE VINO TEMECULA CA, 92592

STATE OF CALIFORNIA
GREGORY SCOTT HANN
C-26663
REN. 9/30/25
LICENSED ARCHITECT

DESIGNER: STUDIO ONE

JOB NO.	***S1/441.00***

REVISIONS

NO.	DESCRIPTION	DATE

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GENERAL STRUCTURAL NOTES

APPLY UNLESS NOTED ON STRUCTURAL DRAWINGS

All construction shall comply with 2022 California Building Code.

SEISMIC: Per Sec. 1613 of CBC 2022

Seismic Importance Factor Ie= 1.0 (Risk Category II)

Mapped maximum spectral response acceleration at 0.2 seconds Ss = 1.382
Mapped maximum spectral response acceleration at 1.0 seconds S1 = 0.506
Above values are obtained from USGS ground motion calculator
Site Class : D

5% damped design Spectral response Acceleration at 0.2 sec period adjusted for Site Class,
SDS = 2/3 x SMS = 1.106

Seismic Design Category = D
Basic Seismic force resisting system : pre-engineered metal building with ordinary steel moment frames
Basic Seismic force resisting system for inside mezzanine :
Basic Seismic force resisting system : Bearing wall system, light-framed walls sheathed with wood structural panels rated for shear resistance

Response modification factor, R = 6 1/2
Seismic response coefficient, Cs = SDS / (R/I) = 1.106/6.5 = 0.17
Redundancy factor = 1.3
Design Base Shear, V = 0.22 W

WIND:
Wind Exposure Category C
Basic Wind Speed (3 second gust), V = 110 MPH, Vasd= 85 MPH

FOUNDATIONS:

Footings shall bear on firm undisturbed soil at 24" minimum below lowest adjacent final grade. Allowable soil bearing pressure is 3000 psf per geotechnical report project No.D21-1119-10, dated June 30, 2022 by Dynamic Geotechnical Solutions.

It is recommended that excavations for foundations be inspected by a soils engineer to verify allowable soil bearing and low settlement and swell potential, and to make any additional observations. If this recommendation is disregarded, the owner or contractor assume full responsibility for the soils conditions and any problems that may occur due to poor or bad soil condtions.

In case of conflict between the Soil report and any part of the Construction documents, all recommendations per soils report # D21-1119-10, dated June 30, 2022 by Dynamic Geotechnical Solutions, shall govern.

CONCRETE:

Concrete shall meet all the requirements of ACI 318-13 with Type II cement. Each yard of concrete shall contain 5 sacks minimum of Portland Cement, and shall not be reduced due to the addition of fly ash. Concrete shall not be in contact with aluminum. Mechanically vibrate all concrete when placed, except slabs on grade.

Cement shall conform to ASTM C-150, type II. Aggregates shall conform to ASTM C-33 for normal weight concrete. Ready-mix concrete shall be mixed and delivered in accordance with ASTM C-94. Concrete shall have a maximum slump of 4 ½" (u.n.o.) and a minimum ultimate compression strength at 28 days as follows:
5000 psi for PEMB slabs and footings - maximum w/c ratio = 0.4
3000 psi for sitework slabs and trash enclosure footings & slab.

REINFORCING:

CRSI Manual and ACI Detailing Manual apply. ASTM A-615 Grade 60 deformed except as

#2 plain......................... Grade 40
Wire mesh, flat sheets, plain..... A-185
Welded anchors....................Grade 40, chemical analysis limited per AWS spec for weld without preheat. Also, see "Welding" below.

All welded rebar shall be A706. Reinforcing detailing, bending and placing shall be in accordance with CRSI "Manual of Standard Practices" latest edition. Vertical bars in walls shall be accurately postioned at the center of the wall, unless otherwise noted on details, and shall be tied in position at top and bottom and at intervals not exceeding 192 diam. All reinforcing steel, anchor bolts, dowels, and inserts shall be well secured in postion prior to placing concrete or grout.

Lap Splices and Extensions in Concrete: Unless noted otherwise on drawings, provide the following lengths: #3, 16"; #4, 22"; #5, 27"; #6, 35". Minimum clear cover for spliced reinforcing is greater than one bar diameter, and minimum clear spacing is greater than two bar diameters. Provide bent corner rebar to match and lap with horizontal rebars at corners and intersection of walls, beams and footings per ACI Manual. Dowel all vertical rebar to foundations. Provide clearance coverages per ACI Code.

STRUCTURAL STEEL:

ASTM A-36, except as follows: Pipe steel ASTM A-53 Grade B, or A-501. Tube steel ASTM A-500 Grade B (Fy = 46 ksi). All main members shall have bolts conforming to ASTM A325. Machine bolts and anchor bolts shall conform to ASTM A307, Grade A, U.N.O. Minimum embedment of all bolts in concrete shall be 4 ½ inches with a 3 inch hook (7½" total). Plain anchors shall be headed studs, welded all around with 5/16 inch fillet weld and shall not contain threads. Machine butt welded anchors and shear connectors shall be Nelson or KSM and shall be 3/4 inch diameter x 5 inches long unless noted otherwise. All workmanship and materials shall conform to the latest edition of the "AISC Specification for the design, fabrication and erection of Structural Steel for Buildings".

Pre-engineered metal building column base plate anchor bolts to be min. F1554, Gr. 55 or per pre-engineered metal building manufacturer. Use stainless steel or galvanized anchor bolts as needed.

WELDING:

AWS Codes and recommendations apply. All welding to be by certified welders. Welding rods to be low hydrogen type, E70 Series typically except E-6010 Series for sheet steel per AWS D1.3 and reinforcing bars per AWS D1.4.
Welds indicated may be made in shop or field.

WOOD:
General: Comply with California Building code Standards. All lumber pieces, in place, shall be grade stamped.
Sawn Lumber: West Coast Douglas Fir or Larch grade marked by a recognized grading agency (W.C.L.A), except as noted. All posts, 4X and 6X beams: #1 DF-L. All built-up headers, beams and 2X joists : #2 DF-L.

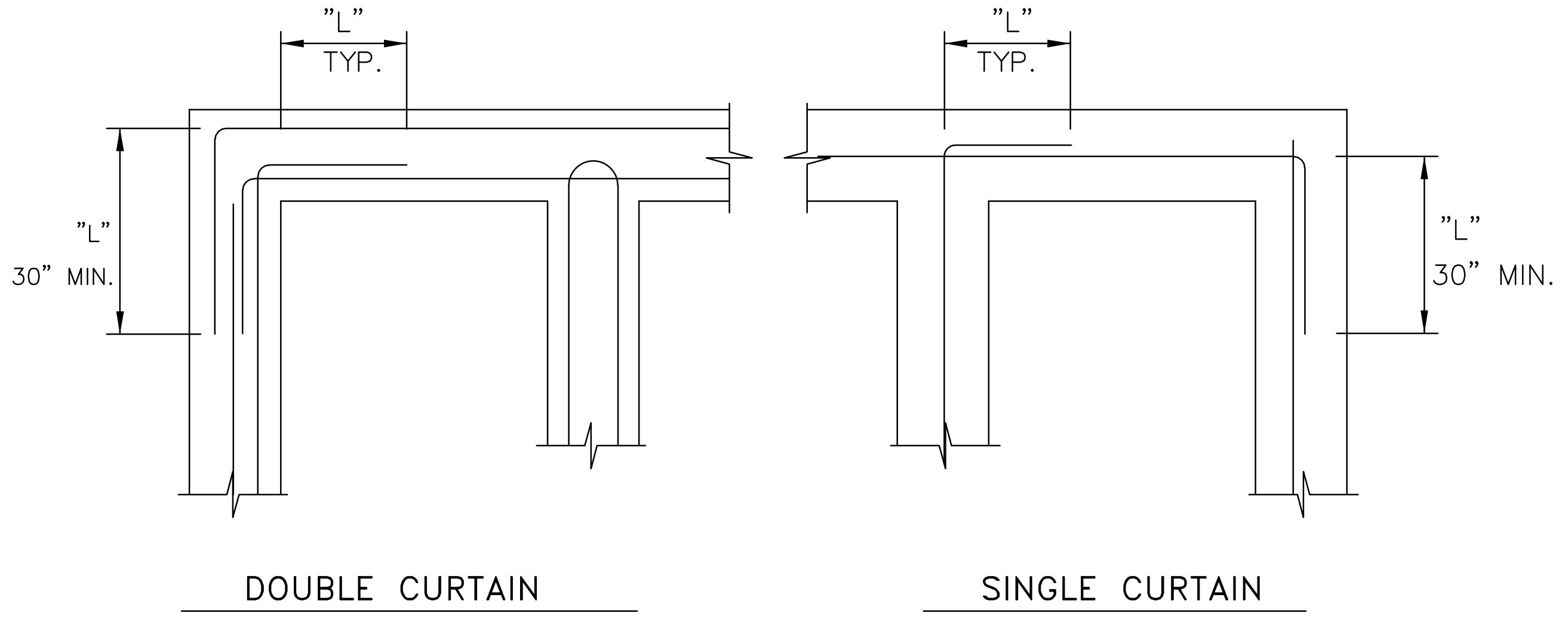
All mezzanine stud walls shall be min. 2X4 @ 16" o.c. DF_L #2 < 10' high unbraced walls u.n.o on plans.

All mezzanine bearing stud walls shall be min. 2X6 @ 12" o.c. DF_L #2 < 10' high unbraced walls u.n.o. on plans.

Shearwall Sheathing : Use min. 3/8" thk. plywood, C-DX, PS I-83
Panel edges shall butt along framing member center line.
Minimum nailing edge distance 3/8" for nailing requirements, see plans and shearwall schedule.

Connections: For Nailing Schedule, see table 2304.10.1 of California Building Code.
All nails shall be standard common nails, u.n.o. on drawings.

Floor Sheathing (typical) : Use min. 3/4" A.P.A. rated C-DX structural 1 plywood, 48/24 span index. All floor decking shall be tongue-and-groove with sheathing glued to each joist. Use only glue conforming to A.P.A. performance specification AFG-001, applied in conformance with manufacturer's recommendations. Panel edges shall bear on the framing member and butt along their center line. Stagger joints. Fasten sheathing with 10d x 3" long common nails. Fastener spacings shall be 6" o.c. at diaphragm boundary nailing and at supported panel edges and at 10" o.c. at intermediate supports including each of any multiple members. Minimum edge distance 3/8". Lay up sheathing with face grain perpendicular to supports.



"L" = 30 BAR DIA. FOR CONCRETE
"L" = 40 BAR DIA. FOR MASONRY

① TYPICAL REINF. AT CORNERS & INTERSECTIONS

SPECIAL INSPECTION REQUIREMENTS :

In addition to the inspections provided by the regular County Building Inspectors, the California Building Code mandates that the owner or the engineer or architect acting on behalf of the owner employ one or more special inspectors who shall provide inspections during construction on certain types of critical structural elements.
It is critically important to note that these Special Inspectors are not on the project in lieu of the regular County Building Inspector, but rather they are on the project in addition to the regular County Inspector and they should work closely with one another.

Special Structural inspection per 2022 CBC is required for the following types of work:

1. Epoxy Anchor bolts installed in hardened concrete
   Provide periodic special inspection for epoxy anchors in concrete.
2. Concrete footings/grade beams i.e. inspection of reinforcing steel placement
   Provide periodic inspection of reinforcing steel placement
3. Anchor bolts installed in concrete prior to and during placement of concrete
   Provide periodic special inspection for anchors in concrete.
   Please see section 1705 of CBC 2022 for continuous or periodic inspection requirements.
4. Wood shearwalls and diaphragms
   Provide periodic special inspection for wood shearwalls and diaphragms, including connections to other components of the seismic-force-resisting system when nail spacing of the sheathing is 4" or less o.c.
5. Field Welding
   Provide continuous special inspection for field welding.
6. High-strength bolting
   Provide continuous special inspection for high strength bolting

Please see section 1705 of CBC 2022 for continuous or periodic inspection requirements.

FOUNDATION NOTES:

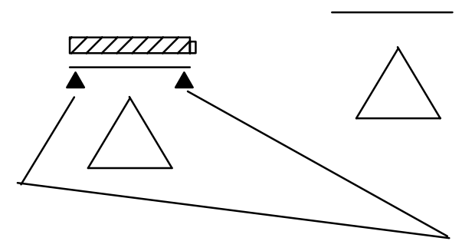
① CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO STARTING WORK, ANY DISCREPENCIES TO BE BROUGHT TO THE OWNER'S ATTENTION IMMEDIATELY.

② TYPICAL CONCRETE SLAB ON GRADE TO BE MINIMUM 6" THK., 5,000 PSI, (MAX. W/C = 0.4) W/ #4 BARS @ 18" O.C. E.W. CHAIRED AT CENTER OF CONCRETE SLAB.
THE SLAB SHALL BE PLACED OVER TOTAL 4" THICK CLEAN SAND LAID OVER COMPACTED ENGINEERED CERTIFIED SOIL. A MINIMUM 15 MIL MOISTURE/VAPOR BARRIER IS TO BE PLACED IN THE CENTER OF THE 4" THICK SAND BASE W/ 2" OF CLEAN SAND ABOVE AND BELOW THE BARRIER. THE VAPOR/MOISTURE BARRIER SHOULD BE SEALED AT AT ALL PENETRATIONS AND LAPS. VERIFY WITH SOILS ENGINEER.
THE MIN. 15 MIL MOISTURE/VAPOR BARRIER SHALL COMPLY WITH ASTM E 1745 CLASS "A" CRITERIA.

③ ALL HORIZ. REINF. IN FOOTINGS, STEMWALLS AND WALLS SHALL BE CONTINUOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYP. DETAIL 1/S01A.

④ CONSTRUCTION AND CONTROL JOINTS SHALL BE NO FURTHER APART IN EITHER DIRECTION THAN 15'-0" FOR REINFORCED SLABS.

⑤ ▨ DENOTES NEW SHEARWALL LOCATION



△ DENOTES SHEARWALL TYPE PER SCHEDULE.

DENOTES HOLDOWNS W/ MIN. 2-2X STUDS W/ HTT4 HOLDOWNS AT EACH END OF SHEARWALLS TYP. U.N.O. ON PLANS

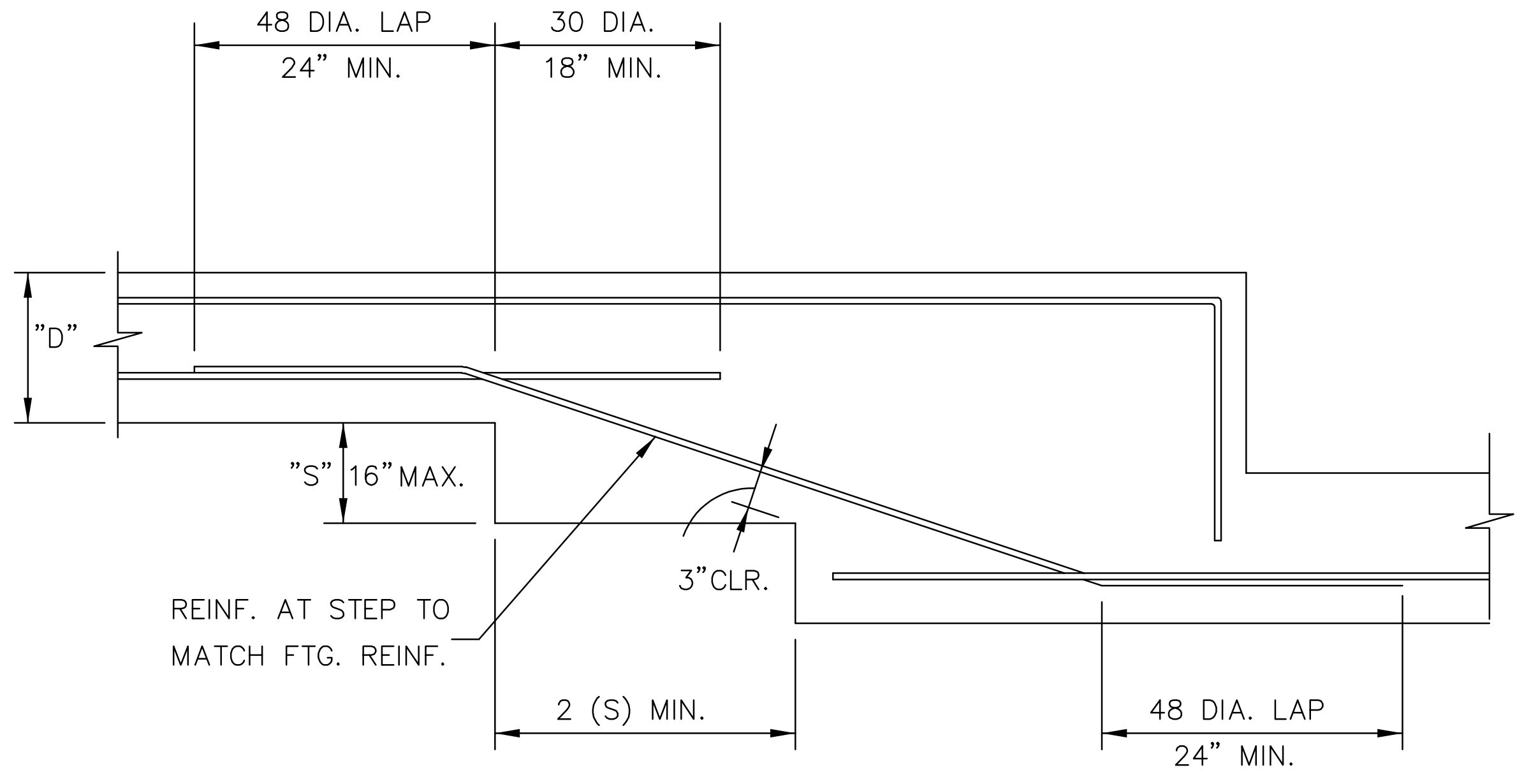
PROVIDE ANCHOR BOLTS PER SHEARWALL SCHEDULE.

⑥ FOR TYPICAL SILL PLATE ANCHORAGE, SEE DETAIL 3/S01A.

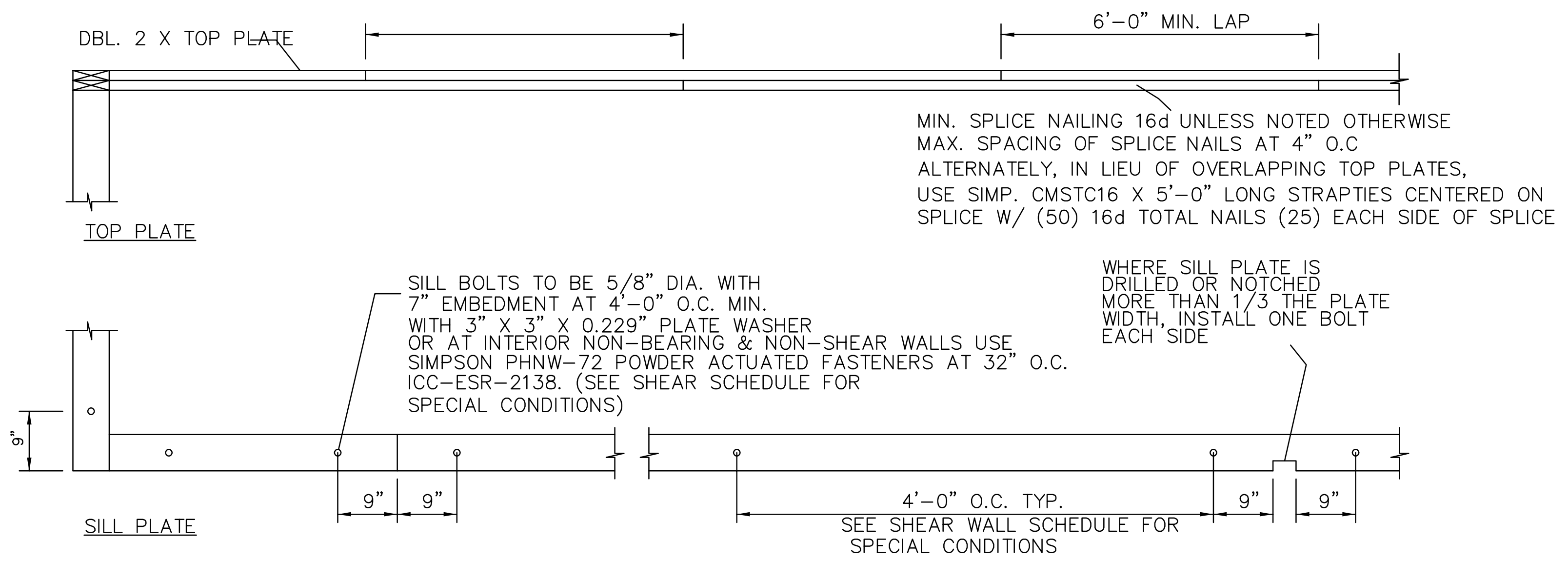
⑦ ALL HOLDOWNS TO BE TIED INTO PLACE PRIOR TO CALLING FOR BUILDING DEPARTMENT INSPECTION.

⑧ SEE DETAIL 6/S01B FOR HOLDOWN DETAIL.

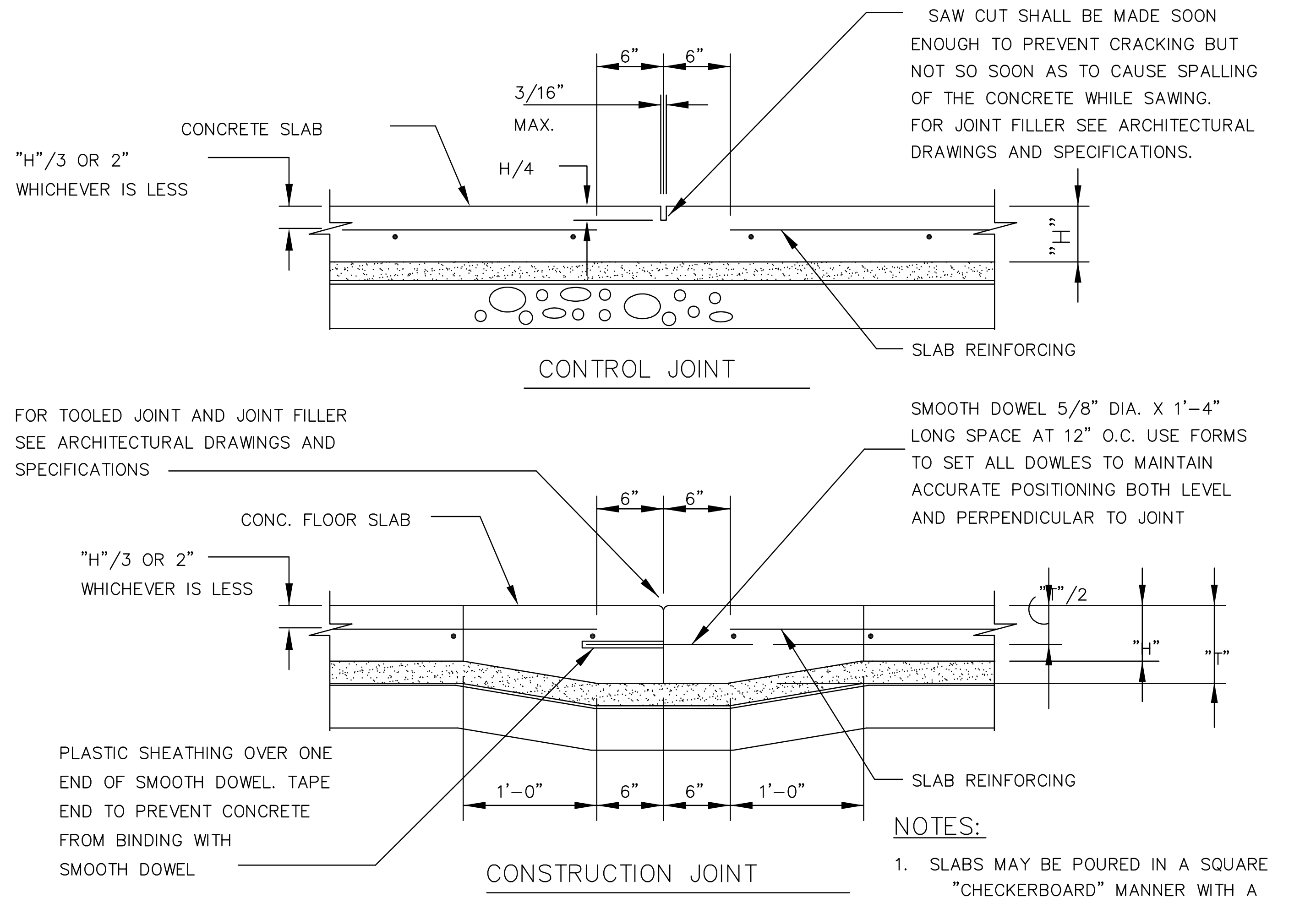
⑨ PROVIDE MIN. 2-2x6 StUDS AT EA. HOLDOWN LOCATION, U.N.O. ON PLANS. STITCH NAIL STUDS W/ 10d NAILS @ 4" O.C. STAGGER LOCATION



② TYPICAL STEPPED FOOTING DETAIL


DBL. 2 X TOP PLATE
6'-0" MIN. LAP
TOP PLATE
MIN. SPLICE NAILING 16d UNLESS NOTED OTHERWISE
MAX. SPACING OF SPLICE NAILS AT 4" O.C
ALTERNATELY, IN LIEU OF OVERLAPPING TOP PLATES,
USE SIMP. CMSTC16 X 5'-0" LONG STRAPTIES CENTERED ON
SPLICE W/ (50) 16d TOTAL NAILS (25) EACH SIDE OF SPLICE
SILL BOLTS TO BE 5/8" DIA. WITH
7" EMBEDMENT AT 4'-0" O.C. MIN.
WITH 3" X 3" X 0.229" PLATE WASHER
OR AT INTERIOR NON-BEARING & NON-SHEAR WALLS USE
SIMPSON PHNW-72 POWDER ACTUATED FASTENERS AT 32" O.C.
ICC-ESR-2138. (SEE SHEAR SCHEDULE FOR
SPECIAL CONDITIONS)
WHERE SILL PLATE IS
DRILLED OR NOTCHED
MORE THAN 1/3 THE PLATE
WIDTH, INSTALL ONE BOLT
EACH SIDE
9"
9"
9"
4'-0" O.C. TYP.
SEE SHEAR WALL SCHEDULE FOR
SPECIAL CONDITIONS
9"
9"
SILL PLATE

③ TYPICAL SILL PLATE ANCHORAGE AND TOP PLATE SPLICE


CONCRETE SLAB
"H"/3 OR 2"
WHICHEVER IS LESS
6"
6"
3/16"
MAX.
H/4
SAW CUT SHALL BE MADE SOON
ENOUGH TO PREVENT CRACKING BUT
NOT SO SOON AS TO CAUSE SPALLING
OF THE CONCRETE WHILE SAWING.
FOR JOINT FILLER SEE ARCHITECTURAL
DRAWINGS AND SPECIFICATIONS.
"H"
SLAB REINFORCING
CONTROL JOINT
FOR TOOLED JOINT AND JOINT FILLER
SEE ARCHITECTURAL DRAWINGS AND
SPECIFICATIONS
CONC. FLOOR SLAB
"H"/3 OR 2"
WHICHEVER IS LESS
6"
6"
SMOOTH DOWEL 5/8" DIA. X 1'-4"
LONG SPACE AT 12" O.C. USE FORMS
TO SET ALL DOWLES TO MAINTAIN
ACCURATE POSITIONING BOTH LEVEL
AND PERPENDICULAR TO JOINT
"T"/2
"H"
"T"
PLASTIC SHEATHING OVER ONE
END OF SMOOTH DOWEL. TAPE
END TO PREVENT CONCRETE
FROM BINDING WITH
SMOOTH DOWEL
1'-0"
6"
6"
1'-0"
SLAB REINFORCING
CONSTRUCTION JOINT

NOTES:
1. SLABS MAY BE POURED IN A SQUARE "CHECKERBOARD" MANNER WITH A MAX. OF ANY ONE SIDE NO GREATER THAN 20'-0" WHEN SLAB IS REINF. OR 15'-0" WHEN UNREINFORCED.
2. DISCONTINUE REINFORCING UNDER ANY CONSTRUCTION OR CONTROL JOINT.
3. SPACE CONTROL JOINTS AT 15'-0" O.C. MAX. EA. WAY.

④ CONSTRUCTION JOINT AT REINFORCED CONCRETE SLAB ON GRADE

KONICKI ENGINEERING, INC.
209 MAJESTIC VIEW DR.
ROCKWOOD, TN 37854
PH: (951)-440-2177

MANISHA G. KONICKI
C 60035
Exp. 06/30/24
CIVIL

MGKonicki

PROJECT ENGINEER:
MANISHA G. KONICKI

HAVEN VINEYARD
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE: 01-29-24
DRWN BY:
CHK'D BY: MGK
SCALE: PER PLAN

REVISIONS

NO.	DATE	REMARKS
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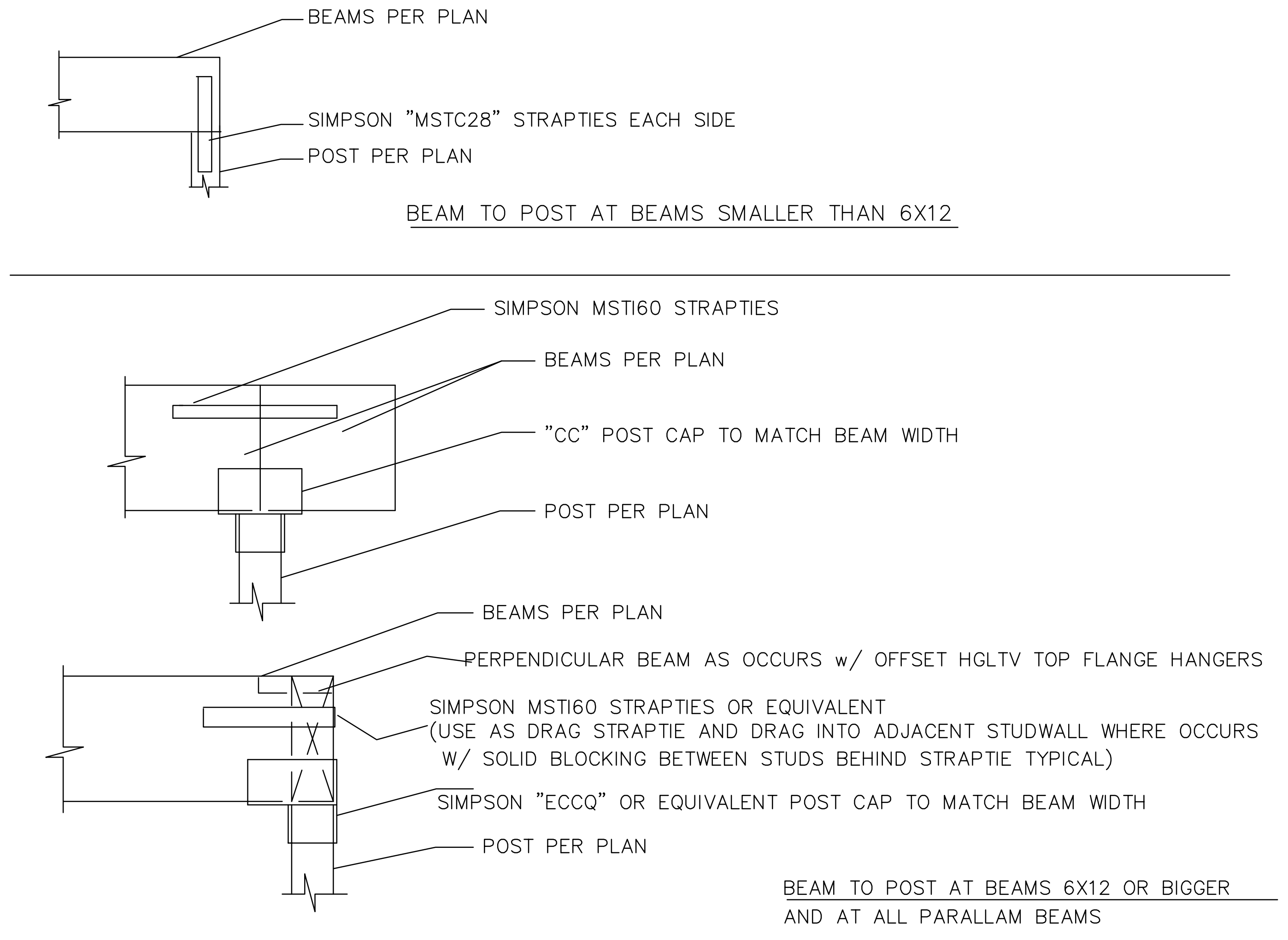
SHEET TITLE

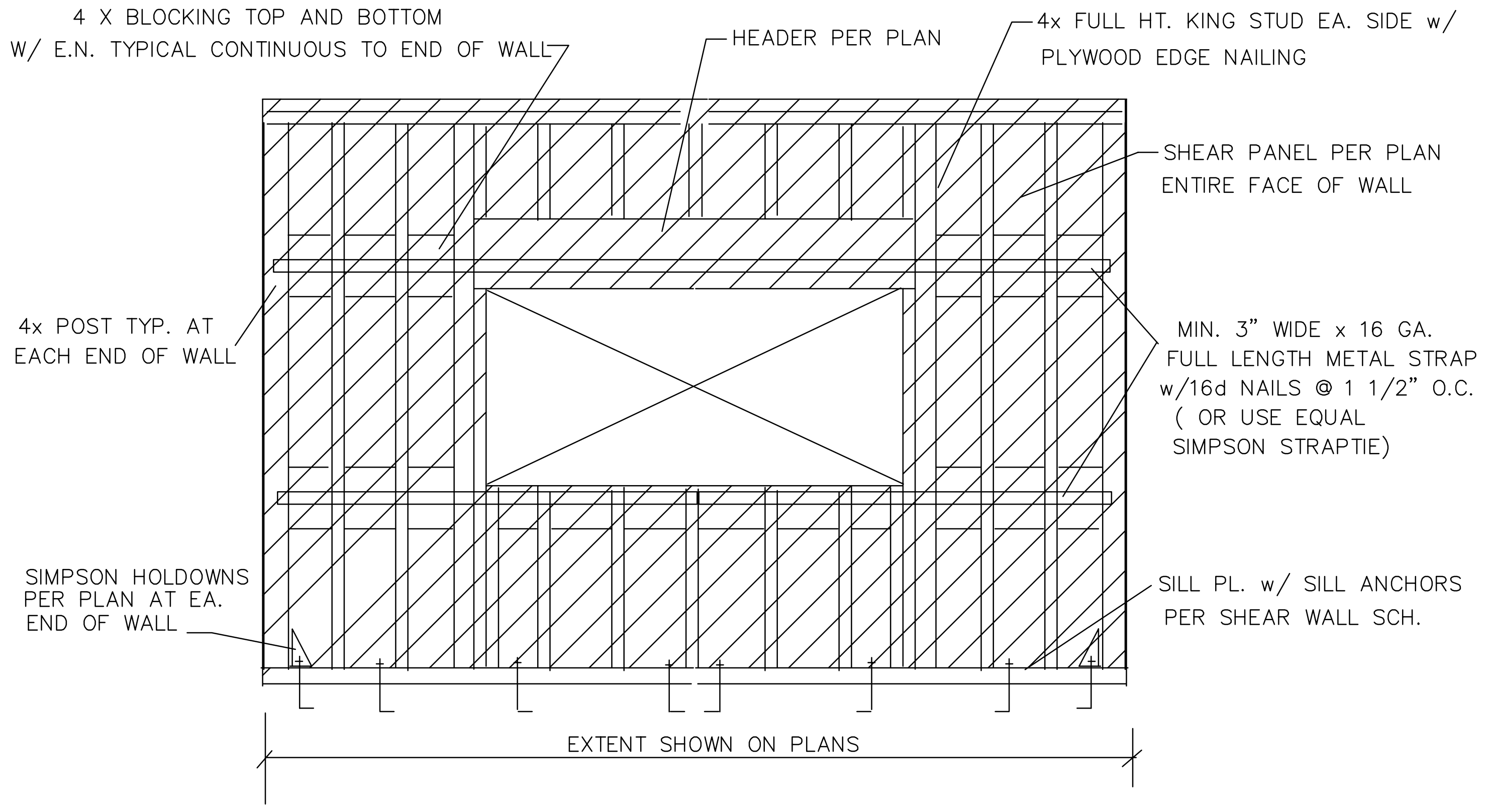
GENERAL STRUCTURAL NOTES AND DETAILS

SHEET NO.

S01A

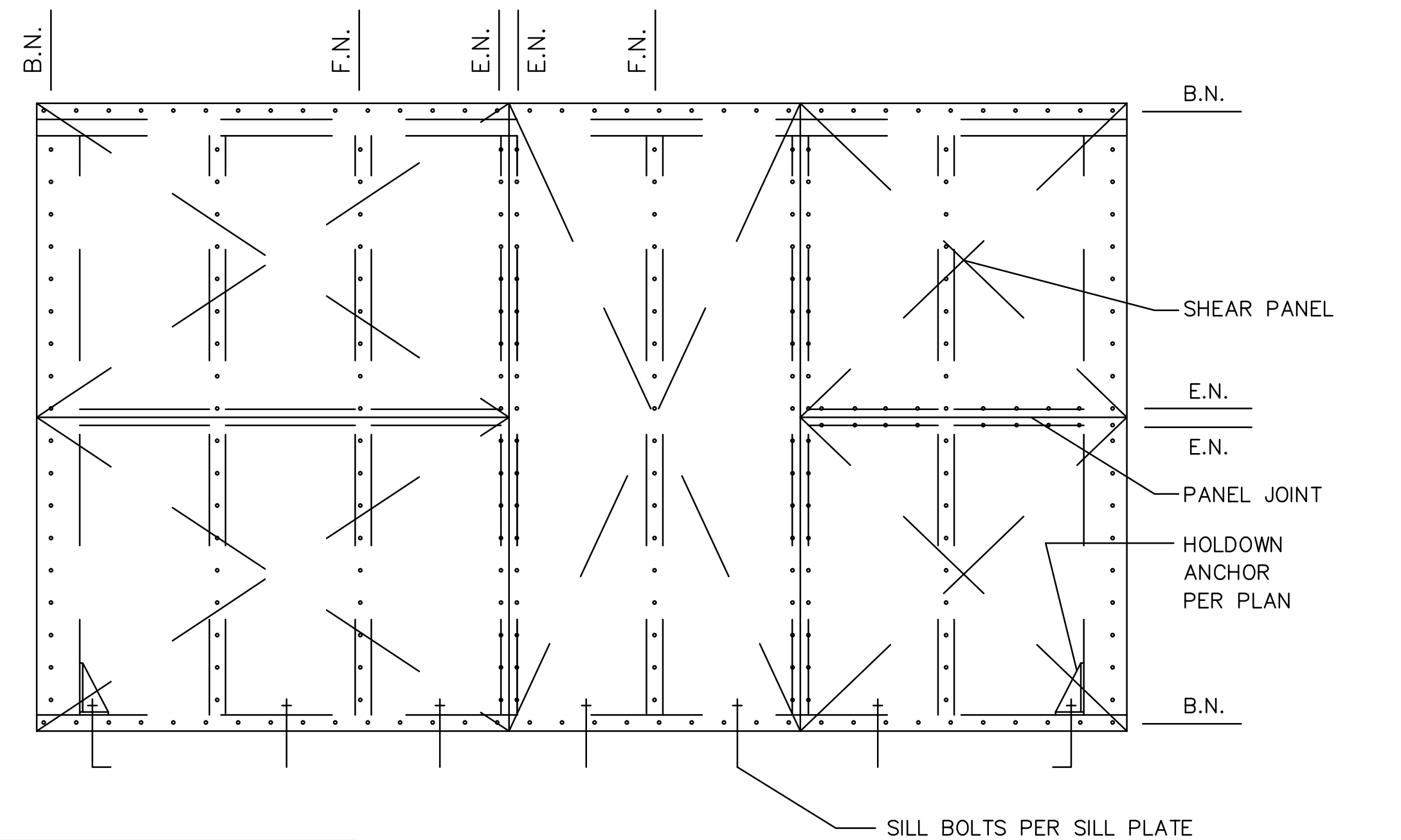

BEAMS PER PLAN
SIMPSON "MSTC28" STRAPTIES EACH SIDE
POST PER PLAN
BEAM TO POST AT BEAMS SMALLER THAN 6X12
SIMPSON MSTI60 STRAPTIES
BEAMS PER PLAN
"CC" POST CAP TO MATCH BEAM WIDTH
POST PER PLAN
BEAMS PER PLAN
PERPENDICULAR BEAM AS OCCURS w/ OFFSET HGLTV TOP FLANGE HANGERS
SIMPSON MSTI60 STRAPTIES OR EQUIVALENT
(USE AS DRAG STRAPTIE AND DRAG INTO ADJACENT STUDWALL WHERE OCCURS
W/ SOLID BLOCKING BETWEEN STUDS BEHIND STRAPTIE TYPICAL)
SIMPSON "ECCQ" OR EQUIVALENT POST CAP TO MATCH BEAM WIDTH
POST PER PLAN
BEAM TO POST AT BEAMS 6X12 OR BIGGER
AND AT ALL PARALLAM BEAMS

① TYPICAL POST AND BEAM CONNECTION



② BLOCKING AND STRAPTIES AROUND OPENINGS AS REQUIRED ON PLANS

NOTE:
E.N. PLYWOOD AROUND OPENING



LEGEND

E.N. = EDGE NAILING
F.N. = FIELD NAILING
B.N. = BOUNDARY NAILING

③ TYPICAL PLYWOOD SHEAR PANEL

GENERAL NOTES:

1. MIN. DIMENSIONS OF ANY SHEET TO BE 16".
2. EDGES SHALL BUTT ALONG CENTERLINE OF STUDS OR BLOCKING.
3. ALL EDGES SHALL BE NAILED TO FRAMING MEMBERS OR TO BLOCKING NORMAL TO FRAMING MEMBERS.
4. USE 3 X MIN. STUD AT ALL ADJOINING PANEL EDGES WHERE E.N. IS 2 1/2" O.C. OR LESS FOR 8d NAILS OR 5" O.C. OR LESS FOR 10d NAILS (REPLACE ANY STUD WHERE SPLITTING OCCURS.

SHEARWALL SCHEDULE

MARK/ ALLOW SHEAR	SHEARWALL MATERIAL	NAILING	TOP PLATE NAILING/SILL PLATE NAILING	SILL TO FOUNDATION CONNECTION	BOUNDARY MEMBER SIZE AND GRADE
1 260 PLF	3/8" APA STRUCT. I SHT'G ONE FACE	8d COMMON NAILS @ 6" O.C. EDGES 12" O.C. FIELD	16d @ 6" O.C. OR 1–A35 @ 18" O.C. / 16d @ 6" O.C.	5/8" DIAMETER BOLTS AT 32" O.C.	2 x DF–L # 2 OR BETTER MEMBER
2 380 PLF	3/8" APA STRUCT. I SHT'G ONE FACE	8d COMMON NAILS @ 4" O.C. EDGES 12" O.C. FIELD	16d @ 4" O.C. OR 1–A35 @ 12" O.C. / 1/4" DIA. LAG SCREWS X 8" LONG @ 12" O.C.	5/8" DIAMETER BOLTS AT 32" O.C.	3 x DF–L # 2 OR BETTER MEMBER
3 490 PLF	3/8" APA STRUCT. I SHT'G ONE FACE	8d COMMON NAILS @ 3" O.C. EDGES 12" O.C. FIELD	16d @ 3" O.C. OR 1–A35 @ 10" O.C. / 3/8" DIA. LAG SCREWS X 8" LONG @ 12" O.C.	5/8" DIAMETER BOLTS AT 24" O.C.	3 x DF–L # 2 OR BETTER MEMBER
4 640 PLF	3/8" APA STRUCT. I SHT'G ONE FACE	8d COMMON NAILS @ 2" O.C. EDGES 12" O.C. FIELD	1–A35 @ 8" O.C. / 3/8" DIA. LAG SCREWS X 8" LONG @ 10" O.C.	5/8" DIAMETER BOLTS AT 16" O.C.	3 x DF–L # 2 OR BETTER MEMBER
5 770 PLF	15/32" APA STRUCT. I SHT'G ONE FACE	10d COMMON NAILS @ 2" O.C. EDGES 12" O.C. FIELD	1–A35 @ 6" O.C. / 3/8" DIA. LAG SCREWS X 8" LONG @ 8" O.C.	5/8" DIAMETER BOLTS AT 16" O.C.	3 x DF–L # 2 OR BETTER MEMBER
6 870 PLF	15/32" APA STRUCT. I SHT'G ONE FACE	10d COMMON NAILS @ 2" O.C. EDGES 12" O.C. FIELD	1–A35 @ 6" O.C. / 3/8" DIA. LAG SCREWS X 8" LONG @ 6" O.C.	3/4" DIAMETER BOLTS AT 16" O.C.	3 x DF–L # 2 OR BETTER MEMBER
7 980 PLF	3/8" APA STRUCT. I SHT'G BOTH FACES	8d COMMON NAILS @ 3" O.C. EDGES 12" O.C. FIELD	1–A35 @ 8" O.C. BOTH SIDES / 3/8" DIA. LAG SCREWS X 8" LONG @ 4" O.C.	3/4" DIAMETER BOLTS AT 12" O.C.	3 x DF–L # 2 OR BETTER MEMBER
8 1280 PLF	3/8" APA STRUCT. I SHT'G BOTH FACES	8d COMMON NAILS @ 2" O.C. EDGES 12" O.C. FIELD	1–A35 @ 6" O.C. BOTH SIDES / 1/2" DIA. LAG SCREWS X 8" LONG @ 6" O.C.	7/8" DIAMETER BOLTS AT 12" O.C.	3 x DF–L # 2 OR BETTER MEMBER
9 1540 PLF	15/32" APA STRUCT. I SHT'G BOTH FACES	10d COMMON NAILS @ 2" O.C. EDGES 12" O.C. FIELD	1–A35 @ 6" O.C. BOTH SIDES / 1/2" DIA. LAG SCREWS X 8" LONG @ 4" O.C.	7/8" DIAMETER BOLTS AT 12" O.C.	3 x DF–L # 2 OR BETTER MEMBER

SHEARWALL SCHEDULE NOTES:

1– STUDS @ 16" O.C.

2– ALL PANEL EDGES BACKED WITH 2–INCH NOMINAL OR WIDER FRAMING. FOUNDATIONSILL PLATES TO BE PRESSURE TREATED DF–L #2 OR BETTER

3– ANCHOR BOLTS MIN. 10" IN LENGTH AT 2x SILL PLATES (7" MIN. EMBED). USE 3"x3"x0.229" PLATE WASHERS AT SILL PLATE ANCHOR BOLTS.

4– WHERE ALLOWABLE SHEAR VALUES EXCEED 350 PLF, FOUNDATION SILL PLATES AND ALL FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN A SINGLE 3–INCH NOMINAL MEMBER.

5. WHERE SHEAR WALL SHEATHING IS TO BE APPLIED TO BOTH SIDES IF WALL, DOUBLE THE NUMBER OF BOLTS. (I.E. HALF THE O/C SPACING)

6. USE 2X PRESSURE TREATED DOUGLAS FIR SILL PLATES AT FOUNDATION/FIRST FLOOR ONLY.

7. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3–INCH NOMINAL OR WIDER & NAILS SHALL BE STAGGERED.

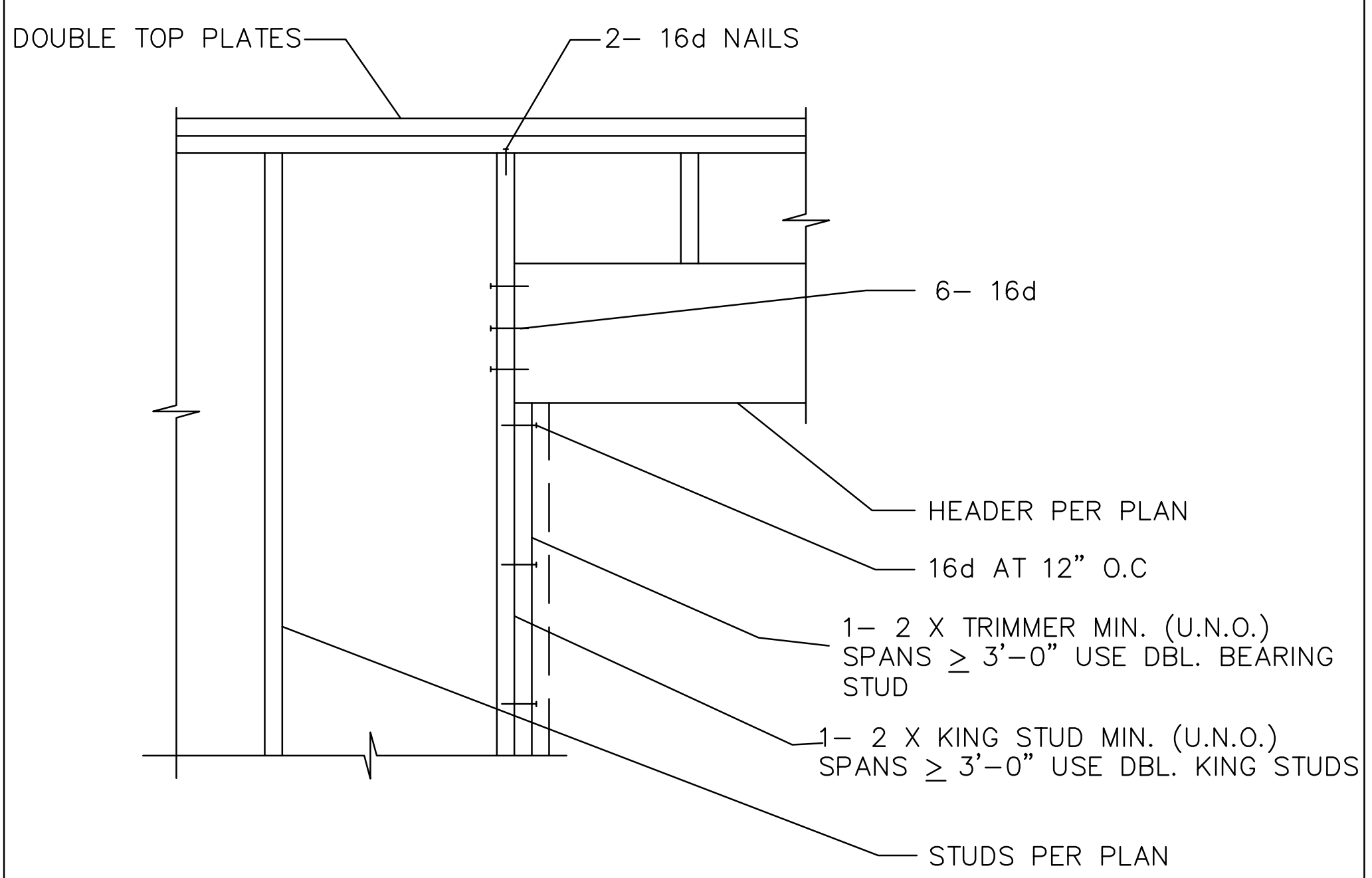
8. ALL CONTINUOUS EXTERIOR FOOTING TO HAVE 5/8" X 10" A.B.'S @ 48"O.C. UNLESS OTHERWISE NOTED ON PLANS.

9. WHERE PLYWOOD IS APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3– INCHES NOMINAL OR THICKER & NAILS ON EACH SIDE SHALL BE STAGGERED.

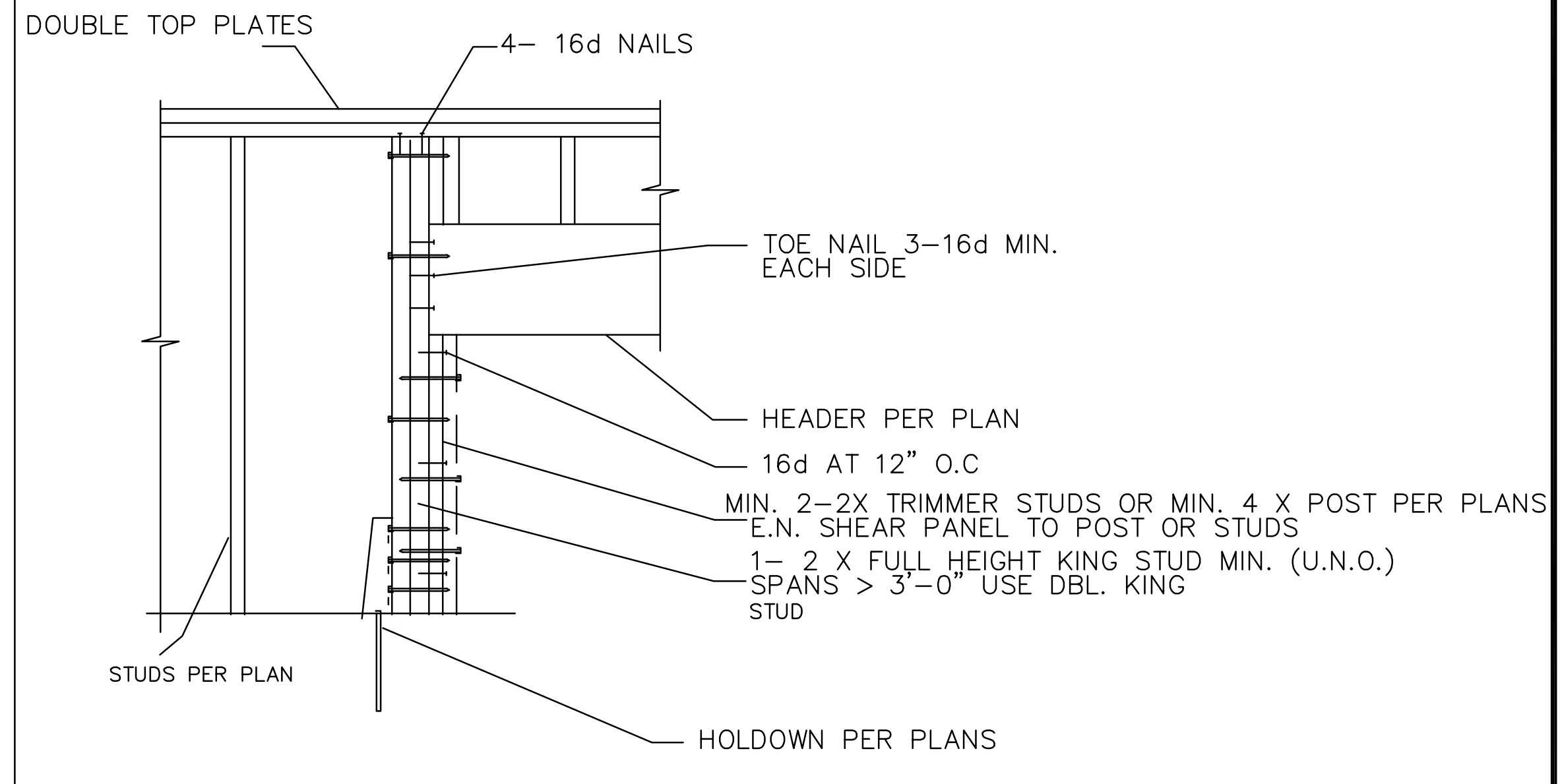
10. ALL INTERIOR NON BEARING & NON–SHEARWALLS TO HAVE SIMPSON PHNW–72 POWDER ACTUATED FASTENERS AT 32" O.C. (ICC–ESR–2138).

11. USE 3" x 3" x 0.229" PLATE WASHERS.

12. USE CDX. CC OR STD SHTG IN LIEU OF STRUCT II PLYWOOD. ALL PLYWOOD SHALL BE DOUGLAS FIR. OTHER SPECIES MAY REQUIRE CHANGES.


DOUBLE TOP PLATES
2– 16d NAILS
6– 16d
HEADER PER PLAN
16d AT 12" O.C
1– 2 X TRIMMER MIN. (U.N.O.)
SPANS ≥ 3'–0" USE DBL. BEARING
STUD
1– 2 X KING STUD MIN. (U.N.O.)
SPANS ≥ 3'–0" USE DBL. KING STUDS
STUDS PER PLAN

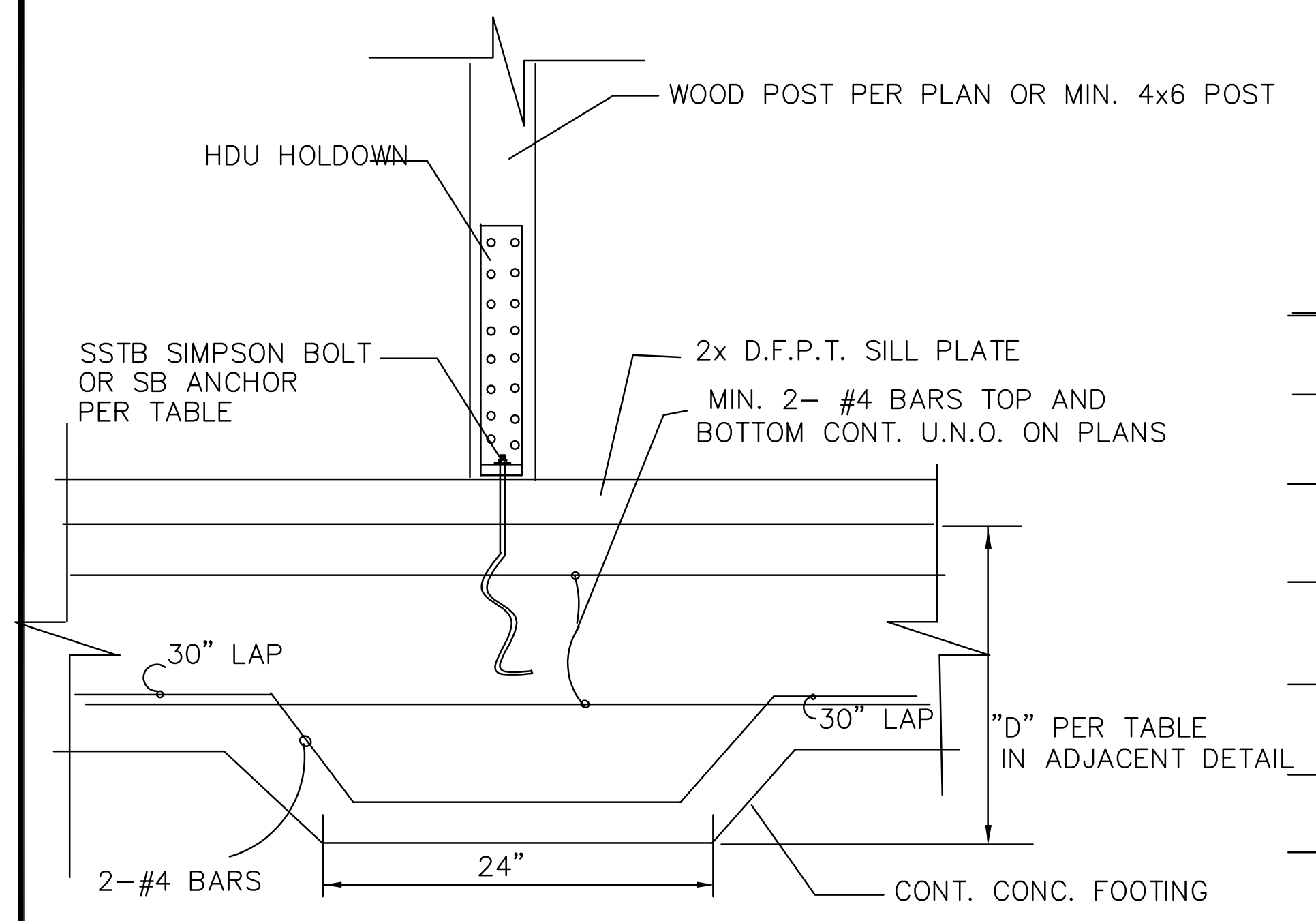
④ TYPICAL LINTEL FRAMING


DOUBLE TOP PLATES
4– 16d NAILS
TOE NAIL 3–16d MIN.
EACH SIDE
HEADER PER PLAN
16d AT 12" O.C
MIN. 2–2X TRIMMER STUDS OR MIN. 4 X POST PER PLANS
E.N. SHEAR PANEL TO POST OR STUDS
1– 2 X FULL HEIGHT KING STUD MIN. (U.N.O.)
SPANS > 3'–0" USE DBL. KING
STUD
STUDS PER PLAN
HOLDOWN PER PLANS

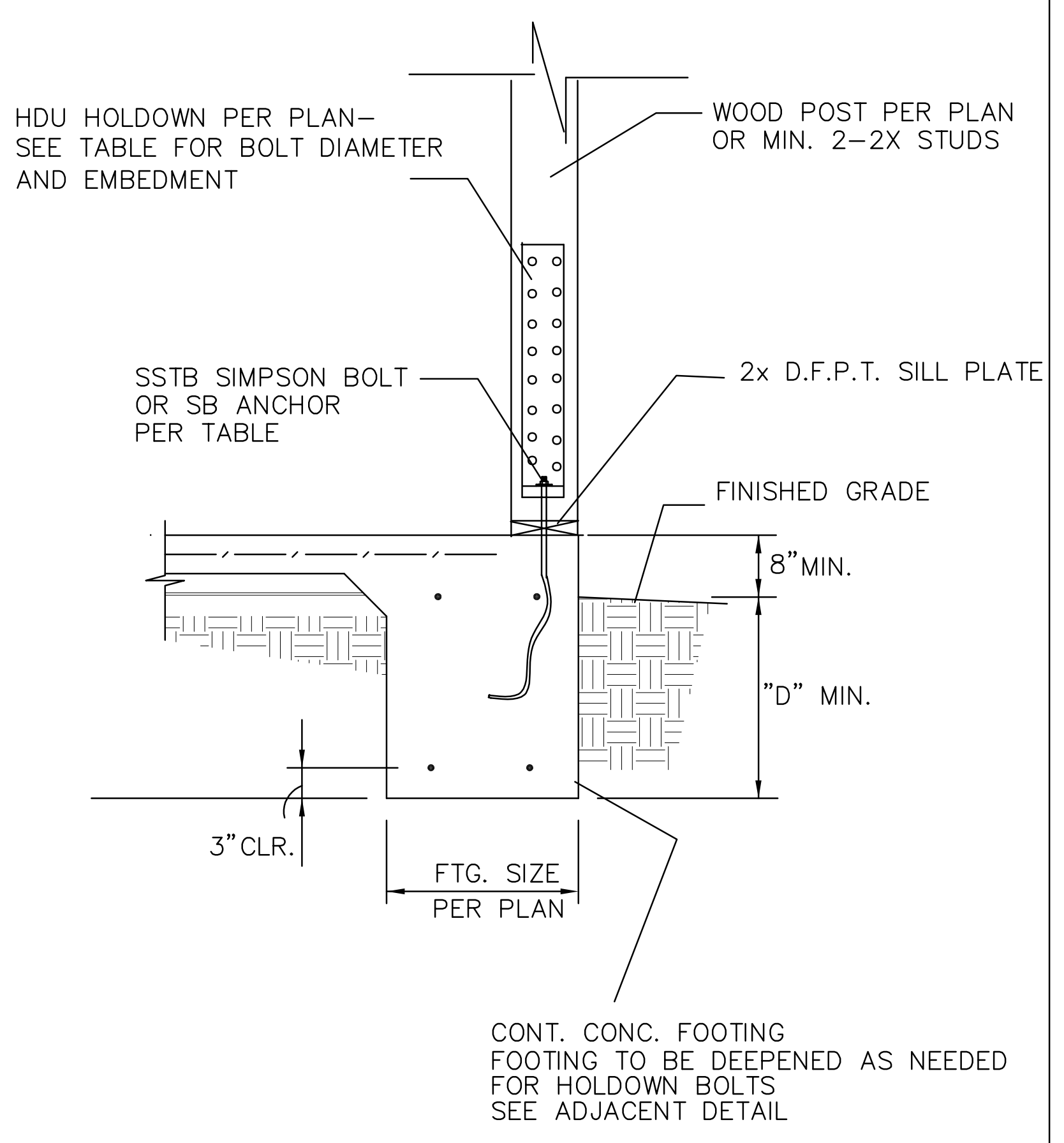
NOTES:

1) CONNECT KING STUDS TO TRIMMER POST W/ 6" LONG 1/4" SDS SCREWS @ 12" O.C. WHERE TRIMMER POSTS OCCUR
2) CONNECT KING STUDS TO TRIMMER STUDS W/ 3" LONG 1/4" SDS SCREWS @ 12" O.C. WHERE TRIMMER STUDS OCCUR

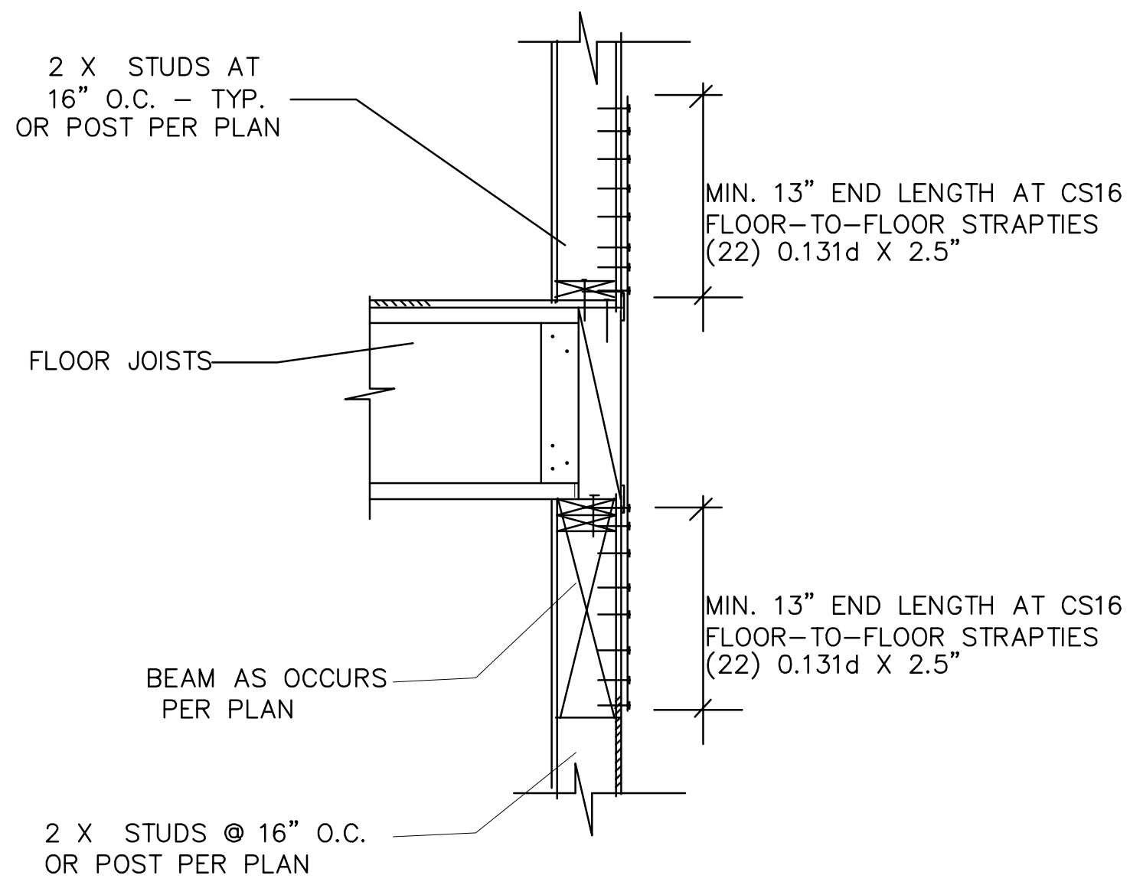
⑤ TYPICAL LINTEL FRAMING AT HOLDOWN POST



HOLDOWN	HOLDOWN BOLT			
	DIAM.	ANCHOR BOLTS	MIN. EMBEDMENT	FOOTING DEPTH BELOW GRADE "D"
HTT4–SDS2.5	5/8"	SSTB24	20"	18" MIN.
HTT5–SDS2.5	5/8"	SSTB24	20"	18" MIN.
HDU5–SDS2.5	5/8"	SB 5/8X24	18"	18" MIN.
HDU8–SDS2.5	7/8"	SSTB28	25"	24" MIN.
HDU11–SDS2.5	1"	SB1X30	24"	24" MIN.
HDU14–SDS2.5	1"	SB1X30	24"	24" MIN.

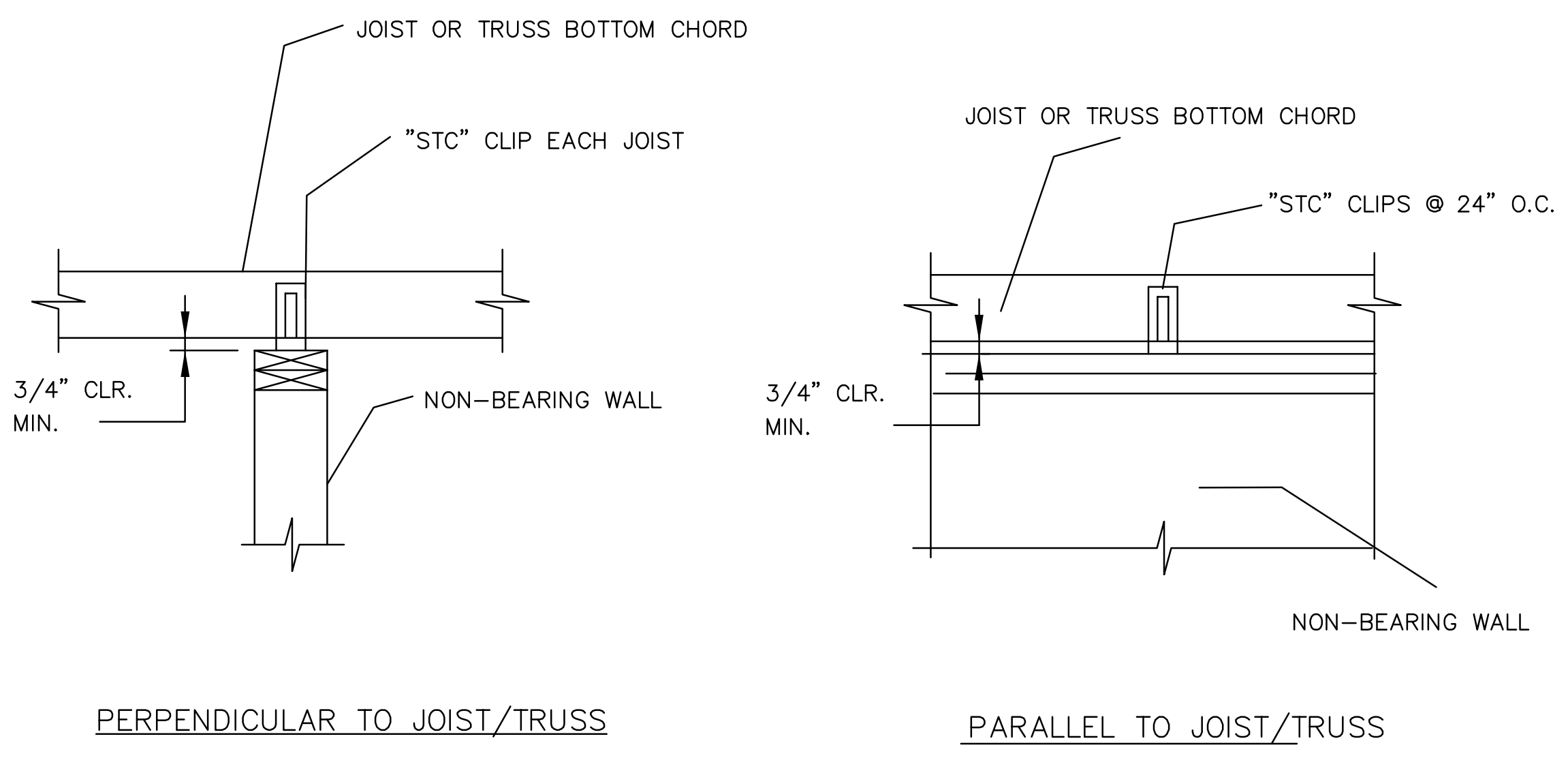


⑥ HOLDOWN DETAIL AND ANCHOR BOLT SCHEDULE



NOTE: SEE DETAIL 7/S–6 FOR ADDITIONAL INFORMATION

⑦ FLOOR–TO–FLOOR HOLDOWN DETAIL



PERPENDICULAR TO JOIST/TRUSS

PARALLEL TO JOIST/TRUSS

⑧ TYPICAL JOIST/TRUSS CONNECTION AT NON–BEARING WALL

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PH: (951)-440-2177

MANISHA G. KONICKI
C 60035
Exp. 06/30/24

MGKonicki

PROJECT ENGINEER:
MANISHA G. KONICKI

HAVEN VINEYARD
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE: 01-29-24
DRWN BY:
CHK'D BY: MGK
SCALE: PER PLAN

REVISIONS

NO.	DATE	REMARKS
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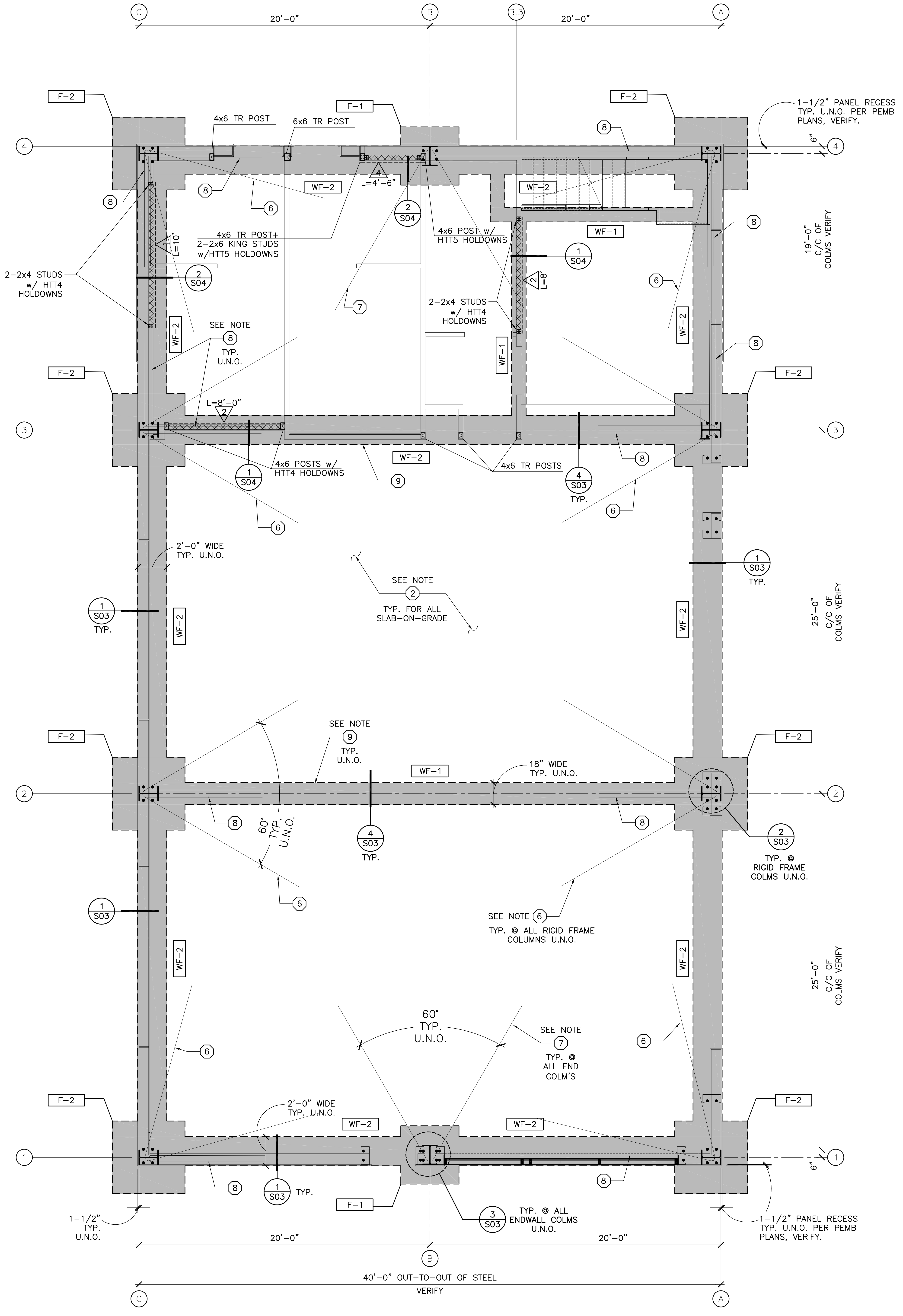
SHEET TITLE

GENERAL
STRUCTURAL
NOTES AND DETAILS

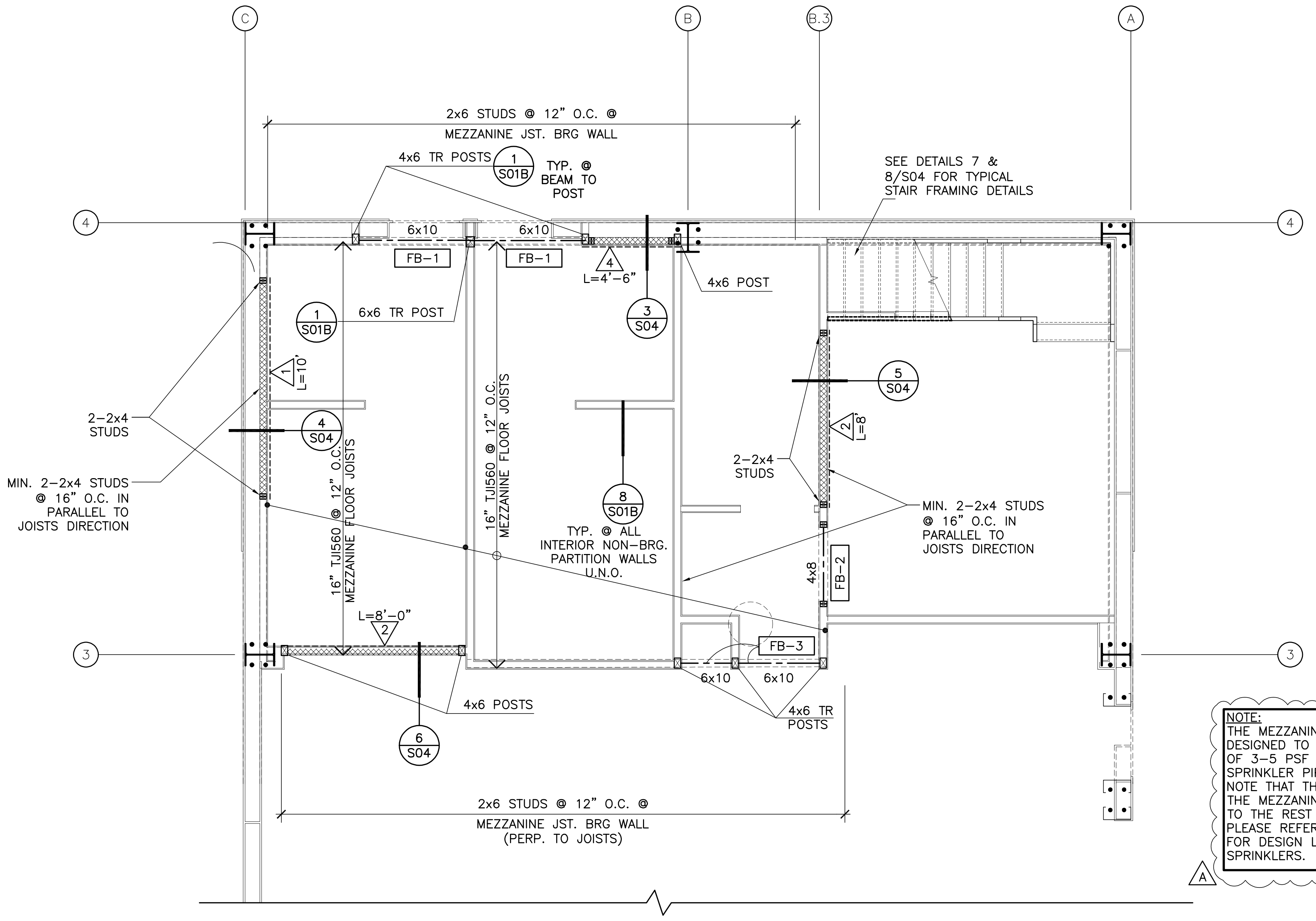
SHEET NO.

S01B



BUILDING A- FOUNDATION PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE–ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS



NOTE:
THE MEZZANINE FLOOR HAS BEEN DESIGNED TO SUPPORT A LOAD OF 3–5 PSF MAX. OF FIRE SPRINKLER PIPE LOADS. PLEASE NOTE THAT THIS APPLIES ONLY TO THE MEZZANINE FLOOR AND NOT TO THE REST OF THE PEMB. PLEASE REFER TO PEMB PLANS FOR DESIGN LOADS FOR THE FIRE SPRINKLERS.

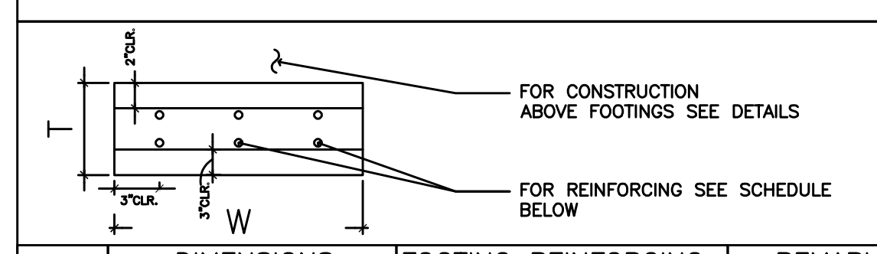
BUILDING A MEZZANINE FRAMING PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE–ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS

CONTINUOUS FOOTING SCHEDULE

WF–1	MIN. 18" WIDE x 30" DEEP CONTINUOUS CONCRETE FOOTING w/MIN. 2 – #5 CONTINUOUS TOP & BOTTOM & #3 @ 12" O.C. CLOSED TIES (BOTTOM OF FOOTING MIN. 24" BELOW LOWEST ADJACENT GRADE)
WF–2	MIN. 24" WIDE x 30" DEEP CONTINUOUS CONCRETE FOOTING w/MIN. 3 – #5 CONTINUOUS TOP & BOTTOM & #3 @ 12" O.C. CLOSED TIES (BOTTOM OF FOOTING MIN. 24" BELOW LOWEST ADJACENT GRADE)

PAD FOOTING SCHEDULE



MARK	DIMENSIONS "W"	DIMENSIONS "T"	FOOTING REINFORCING	REMARKS
F–1:	4'–0" SQ.	24"	7–#5 EA. WAY TOP & BOTTOM	NO SHEAR ANGLE
F–2:	5'–0" SQ.	24"	8–#5 EA. WAY TOP & BOTTOM	SHEAR ANGLE 4"x4"x½"x8" LONG AT PAIR OF ANCHOR BOLTS

NOTE:
VERIFY ALL DIMENSIONS & COLUMN LOCATIONS W/ PRE–ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS. PAD FOOTINGS AT COLUMNS TO BE CENTERED ON COLUMNS

NOTE:
SEE SHEETS S01A & S01B FOR GENERAL STRUCTURAL NOTES & FOUNDATION NOTES

ABBREVIATION LEGEND:

U.N.O.	UNLESS NOTED OTHERWISE
TYP	TYPICAL
W/	WITH
FTG.	FOOTING
THK.	THICK
MIN.	MINIMUM
ADJ.	ADJACENT
CONT.	CONTINUOUS
EA.	EACH
CANT.	CANTILEVER
SHT'G	SHEATHING
BLK'G	BLOCKING
BETN	BETWEEN
F.A.	FROM ABOVE
P.F.A.	POST FROM ABOVE
F.J	FLOOR JOIST
D.J.	DECK JOISTS
E.O.R	ENGINEER OF RECORD
HDR.	HEADER
DEMO'D	DEMOLISHED
(E)	EXISTING
(N)	NEW
R.R	ROOF RAFTERS
C.J.	CEILING JOISTS
F.J.	FLOOR JOISTS
TR.	TRIMMER
PEMB	PRE–ENGINEERED METAL BUILDING
COLM.	COLUMN
PERP.	PERPENDICULAR

FOUNDATION NOTES

1. SEE TYPICAL DETAIL AND GENERAL STRUCTURAL NOTES FOR EARTHWORK REQUIREMENTS.
2. TYPICAL CONCRETE SLAB ON GRADE TO BE MINIMUM 6" THK., 5,000 PSI, (MAX. W/C = 0.4) W/ #4 BARS @ 18" O.C. E.W. CHAIRED AT CENTER OF CONCRETE SLAB. THE SLAB SHALL BE PLACED OVER TOTAL 4" THICK CLEAN SAND LAID OVER COMPACTED ENGINEERED CERTIFIED SOIL. A MINIMUM 15 MIL MOISTURE/VAPOR BARRIER IS TO BE PLACED IN THE CENTER OF THE 4" THICK SAND BASE W/ 2" OF CLEAN SAND ABOVE AND BELOW THE BARRIER. THE VAPOR/MOISTURE BARRIER SHOULD BE SEALED AT AT ALL PENETRATIONS AND LAPS. VERIFY WITH SOILS ENGINEER. THE MIN. 15 MIL MOISTURE/VAPOR BARRIER SHALL COMPLY WITH ASTM E 1745 CLASS "A" CRITERIA.
3. PROVIDE ½" PREFORMED JOINT FILLER AT ALL LOCATIONS WHERE EXTERIOR SLABS ABUT THE BUILDING U.N.O.
4. ALL HORIZONTAL REINFORCING IN FOOTINGS, STEMWALLS AND WALLS SHALL BE CONTINOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAIL 1/S01A.
5. PROVIDE SLAB CONTROL JOINTS PER TYPICAL DETAIL 4/S01A.
6. 1–#5 x 25'–0" HAIRPINS CENTERED IN SLAB AND HOOKED AROUND ANCHOR BOLT PER DETAIL 2/S03 & 5/S03
7. 1–#5 x 25'–0" LONG HAIRPINS CENTERED IN SLAB AND HOOKED AROUND ANCHOR BOLT PER DETAIL 3/S03
8. 1–#5 x 16'–0" LONG – RADIUS AS REQUIRED TO HOOK AROUND SHEAR ANGLE. LAP W/CONCRETE CONTINUOUS FOOTING OR GRADE BEAM MIN. 3'–0"
9. CONCRETE GRADE TIE BEAM FOOTING PER SCHEDULE. LAP WITH HAIRPIN AND LAP SPLICES A MINIMUM OF 3'–0". SEE DETAIL 4/S03
10. PROVIDE PIPE PENETRATION UNDER CONTINUOUS FOOTING PER DETAIL 6/S03. NO PIPE PENETRATION ARE TO BE PROVIDED UNDER OR THRU STEEL COLUMN PAD FOOTINGS.
11. PROVIDE A SUB DRAINAGE SYSTEM UNDER SLAB–ON–GRADE PER GEOTECHINCAL REPORT.
12. ALL INTERIOR PARTITIONS ARE DESIGNED TO BE STRUCTURALLY INDEPENDENT AND DON'T REQUIRE ATTACHMENT TO THE METAL BULDING FOR VERTICAL OR LATERAL LOADS.
13. FOOTINGS MAY NEED TO BE DEEPENED MORE THAN PROVIDED ON PLANS IN AREAS THAT DO NOT MEET THE MINIMUM SETBACK REQUIREMENTS AT SLOPES PER GEOTECH REPORT. NOTIFY EOR FOR ALTERNATE DEEPENED FOOTING DETAIL.
14. ▨ DENOTES NEW SHEARWALL LOCATION
    △ DENOTES SHEARWALL TYPE PER SCHEDULE.
    ▲ DENOTES HOLDOWNS PER SCHEDULE. SEE DETAIL 6/S01B FOR HOLDOWN DETAILS.
    PROVIDE ANCHOR BOLTS PER SHEARWALL SCHEDULE.
15. FOR TYPICAL SILL PLATE ANCHORAGE, SEE DETAIL 3/S01A.
16. FOR TRENCHING NEAR FOOTINGS, SEE DETAIL 7/S03.
17. ALL HOLDOWNS TO BE TIED INTO PLACE PRIOR TO CALLING FOR BUILDING DEPARTMENT INSPECTION.
18. SEE DETAIL 6/S01B FOR HOLDOWN DETAILS.
19. PROVIDE MIN. 2–2x STUDS AT EA. HOLDOWN LOCATION, U.N.O. ON PLANS. STITCH NAIL STUDS W/ 10d NAILS @ 4" O.C. STAGGER LOCATION

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MANISHA G. KONICKI
C 60035
Exp. 06/30/26
CIVIL

MGKonicki

PROJECT ENGINEER:
MANISHA G. KONICKI

NEW WINE TASTING BUILDING A FOR:
HAVEN VINEYARD
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE:	01/29/24
DRWN BY:	MH
CHK'D BY:	MGK
SCALE:	PER PLAN

REVISIONS

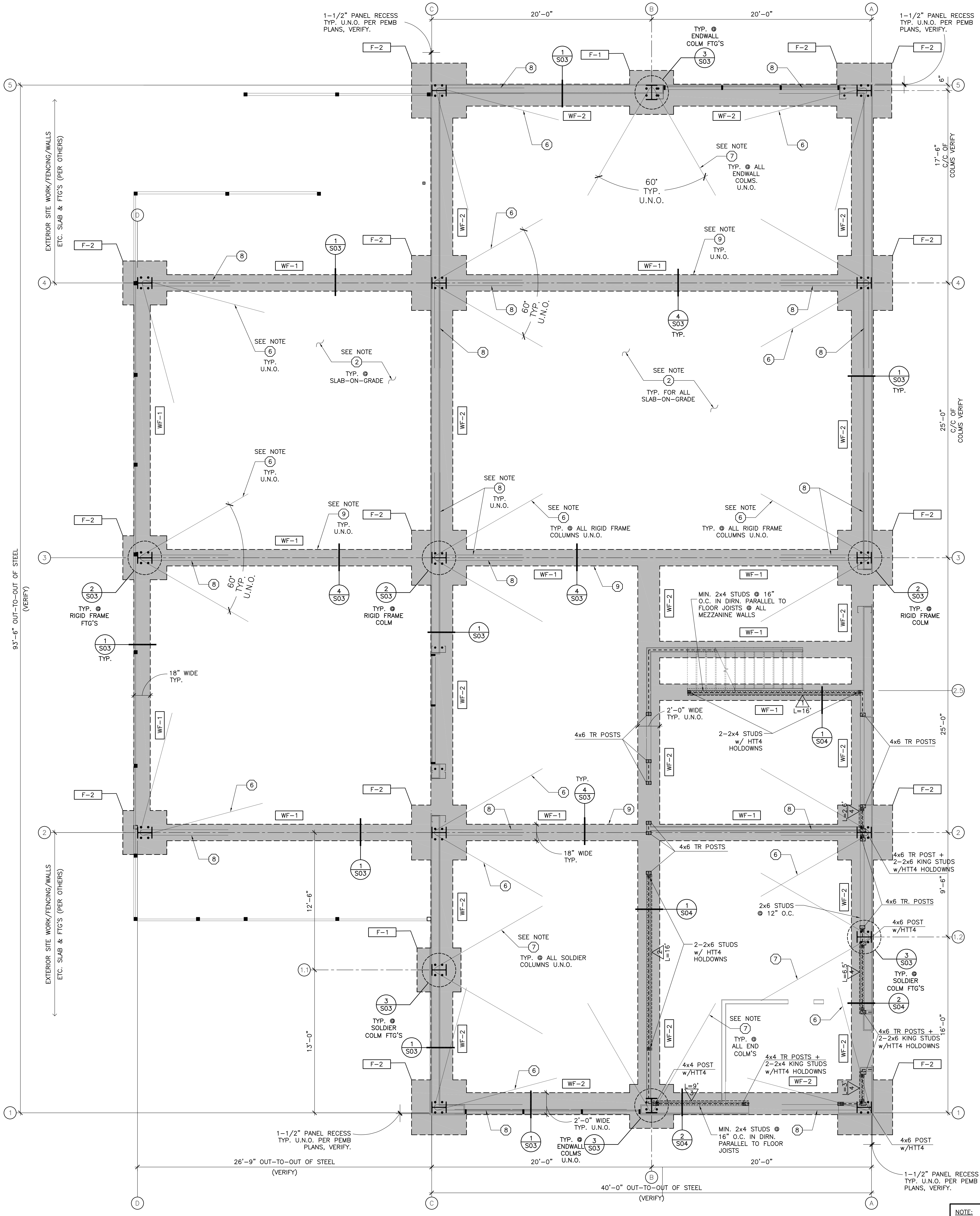
NO.	DATE	REMARKS
A	10-04-24	
B	11-21-24	
C		
D		
E		

SHEET TITLE

BUILDING A
FOUNDATION &
MEZZANINE
FRAMING PLAN

SHEET NO.

S02A


1-1/2" PANEL RECESS TYP. U.N.O. PER PEMB PLANS, VERIFY.
20'-0"
20'-0"
TYP. @ ENDWALL COLM FTG'S
60° TYP. U.N.O.
SEE NOTE 7 TYP. @ ALL ENDWALL COLMS. U.N.O.
SEE NOTE 9 TYP. U.N.O.
17'-6" C/C OF COLMS VERIFY
25'-0" C/C OF COLMS VERIFY
EXTERIOR SITE WORK/FENCING/WALLS ETC. SLAB & FTG'S (PER OTHERS)
93'-6" OUT-TO-OUT OF STEEL (VERIFY)
SEE NOTE 6 TYP. U.N.O.
SEE NOTE 2 TYP. @ SLAB-ON-GRADE
SEE NOTE 2 TYP. FOR ALL SLAB-ON-GRADE
SEE NOTE 8 TYP. U.N.O.
SEE NOTE 6 TYP. @ ALL RIGID FRAME COLUMNS U.N.O.
TYP. @ RIGID FRAME FTG'S
TYP. @ RIGID FRAME COLM
18" WIDE TYP.
MIN. 2x4 STUDS @ 16" O.C. IN DIRN. PARALLEL TO FLOOR JOISTS @ ALL MEZZANINE WALLS
2'-0" WIDE TYP. U.N.O.
4x6 TR POSTS
2-2x4 STUDS w/ HTT4 HOLDOWNS
4x6 TR POST + 2-2x6 KING STUDS w/HTT4 HOLDOWNS
4x6 TR. POSTS
2x6 STUDS @ 12" O.C.
4x6 POST w/HTT4
2-2x6 STUDS w/ HTT4 HOLDOWNS
SEE NOTE 7 TYP. @ ALL SOLDIER COLUMNS U.N.O.
TYP. @ SOLDIER COLM FTG'S
SEE NOTE 7 TYP. @ ALL END COLM'S
4x4 POST w/HTT4
4x4 TR POSTS + 2-2x4 KING STUDS w/HTT4 HOLDOWNS
12'-6"
13'-0"
9'-6"
16'-0"
26'-9" OUT-TO-OUT OF STEEL (VERIFY)
2'-0" WIDE TYP. U.N.O.
TYP. @ ENDWALL COLMS U.N.O.
MIN. 2x4 STUDS @ 16" O.C. IN DIRN. PARALLEL TO FLOOR JOISTS
20'-0"
20'-0"
40'-0" OUT-TO-OUT OF STEEL (VERIFY)
WF-1
WF-2
F-1
F-2
A
B
C
D
1
1.1
1.2
2
2.5
3
4
5

BUILDING 'B' - PEMB FOUNDATION PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS

NOTE:
SEE SHEETS S01A & S01B FOR GENERAL STRUCTURAL NOTES & FOUNDATION NOTES

NOTE:
VERIFY ALL DIMENSIONS & COLUMN LOCATIONS W/ PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS. PAD FOOTINGS AT COLUMNS TO BE CENTERED ON COLUMNS

FOUNDATION NOTES

① SEE TYPICAL DETAIL AND GENERAL STRUCTURAL NOTES FOR EARTHWORK REQUIREMENTS.

② TYPICAL CONCRETE SLAB ON GRADE TO BE MINIMUM 6" THK., 5,000 PSI, (MAX. W/C = 0.4) W/ #4 BARS @ 18" O.C. E.W. CHAIRED AT CENTER OF CONCRETE SLAB. THE SLAB SHALL BE PLACED OVER TOTAL 4" THICK CLEAN SAND LAID OVER COMPACTED ENGINEERED CERTIFIED SOIL. A MINIMUM 15 MIL MOISTURE/VAPOR BARRIER IS TO BE PLACED IN THE CENTER OF THE 4" THICK SAND BASE W/ 2" OF CLEAN SAND ABOVE AND BELOW THE BARRIER. THE VAPOR/MOISTURE BARRIER SHOULD BE SEALED AT AT ALL PENETRATIONS AND LAPS. VERIFY WITH SOILS ENGINEER. THE MIN. 15 MIL MOISTURE/VAPOR BARRIER SHALL COMPLY WITH ASTM E 1745 CLASS "A" CRITERIA.

③ PROVIDE ½" PREFORMED JOINT FILLER AT ALL LOCATIONS WHERE EXTERIOR SLABS ABUT THE BUILDING U.N.O.

④ ALL HORIZONTAL REINFORCING IN FOOTINGS, STEMWALLS AND WALLS SHALL BE CONTINOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAIL 1/S01A.

⑤ PROVIDE SLAB CONTROL JOINTS PER TYPICAL DETAIL 4/S01A.

⑥ 1-#5 x 25'-0" HAIRPINS CENTERED IN SLAB AND HOOKED AROUND ANCHOR BOLT PER DETAIL 2/S03 & 5/S03

⑦ 1-#5 x 25'-0" LONG HAIRPINS CENTERED IN SLAB AND HOOKED AROUND ANCHOR BOLT PER DETAIL 3/S03

⑧ 1-#5 x 16'-0" LONG – RADIUS AS REQUIRED TO HOOK AROUND SHEAR ANGLE. LAP W/CONCRETE CONTINUOUS FOOTING OR GRADE BEAM MIN. 3'-0"

⑨ CONCRETE GRADE TIE BEAM FOOTING PER SCHEDULE. LAP WITH HAIRPIN AND LAP SPLICES A MINIMUM OF 3'-0". SEE DETAIL 4/S03

⑩ PROVIDE PIPE PENETRATION UNDER CONTINUOUS FOOTING PER DETAIL 6/S03. NO PIPE PENETRATION ARE TO BE PROVIDED UNDER OR THRU STEEL COLUMN PAD FOOTINGS.

⑪ PROVIDE A SUB DRAINAGE SYSTEM UNDER SLAB-ON-GRADE PER GEOTECHINCAL REPORT.

⑫ ALL INTERIOR PARTITIONS ARE DESIGNED TO BE STRUCTURALLY INDEPENDENT AND DON'T REQUIRE ATTACHMENT TO THE METAL BULDING FOR VERTICAL OR LATERAL LOADS.

⑬ FOOTINGS MAY NEED TO BE DEEPENED MORE THAN PROVIDED ON PLANS IN AREAS THAT DO NOT MEET THE MINIMUM SETBACK REQUIREMENTS AT SLOPES PER GEOTECH REPORT. NOTIFY EOR FOR ALTERNATE DEEPENED FOOTING DETAIL.

⑭ ▨ DENOTES NEW SHEARWALL LOCATION

△ DENOTES SHEARWALL TYPE PER SCHEDULE.

▲ DENOTES HOLDOWNS PER SCHEDULE. SEE DETAIL 6/S01B FOR HOLDOWN DETAILS.

PROVIDE ANCHOR BOLTS PER SHEARWALL SCHEDULE.

⑮ FOR TYPICAL SILL PLATE ANCHORAGE, SEE DETAIL 3/S01A.

⑯ FOR TRENCHING NEAR FOOTINGS, SEE DETAIL 7/S03.

⑰ ALL HOLDOWNS TO BE TIED INTO PLACE PRIOR TO CALLING FOR BUILDING DEPARTMENT INSPECTION.

⑱ SEE DETAIL 6/S01B FOR HOLDOWN DETAILS.

⑲ PROVIDE MIN. 2-2x STUDS AT EA. HOLDOWN LOCATION, U.N.O. ON PLANS. STITCH NAIL STUDS W/ 10d NAILS @ 4" O.C. STAGGER LOCATION

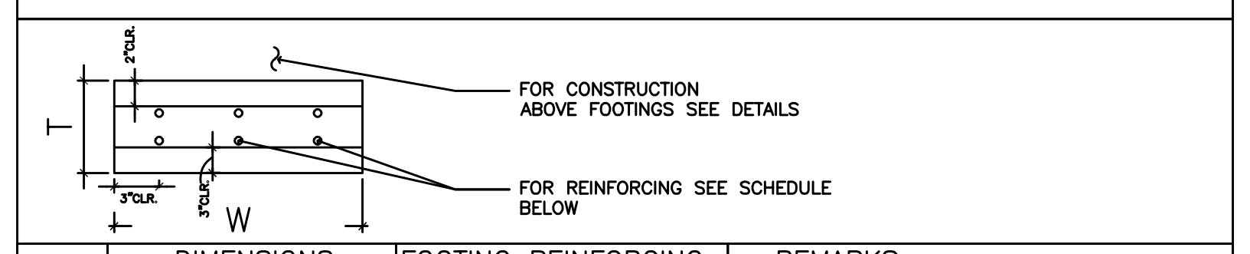
ABBREVIATION LEGEND:

U.N.O.	UNLESS NOTED OTHERWISE
TYP	TYPICAL
W/	WITH
FTG.	FOOTING
THK.	THICK
MIN.	MINIMUM
ADJ.	ADJACENT
CONT.	CONTINUOUS
EA.	EACH
CANT.	CANTILEVER
SHT'G	SHEATHING
BLK'G	BLOCKING
BETN	BETWEEN
F.A.	FROM ABOVE
P.F.A.	POST FROM ABOVE
F.J	FLOOR JOIST
D.J.	DECK JOISTS
E.O.R	ENGINEER OF RECORD
HDR.	HEADER
DEMO'D	DEMOLISHED
(E)	EXISTING
(N)	NEW
R.R	ROOF RAFTERS
C.J.	CEILING JOISTS
F.J.	FLOOR JOISTS
TR.	TRIMMER
PEMB	PRE-ENGINEERED METAL BUILDING
COLM.	COLUMN
PERP.	PERPENDICULAR

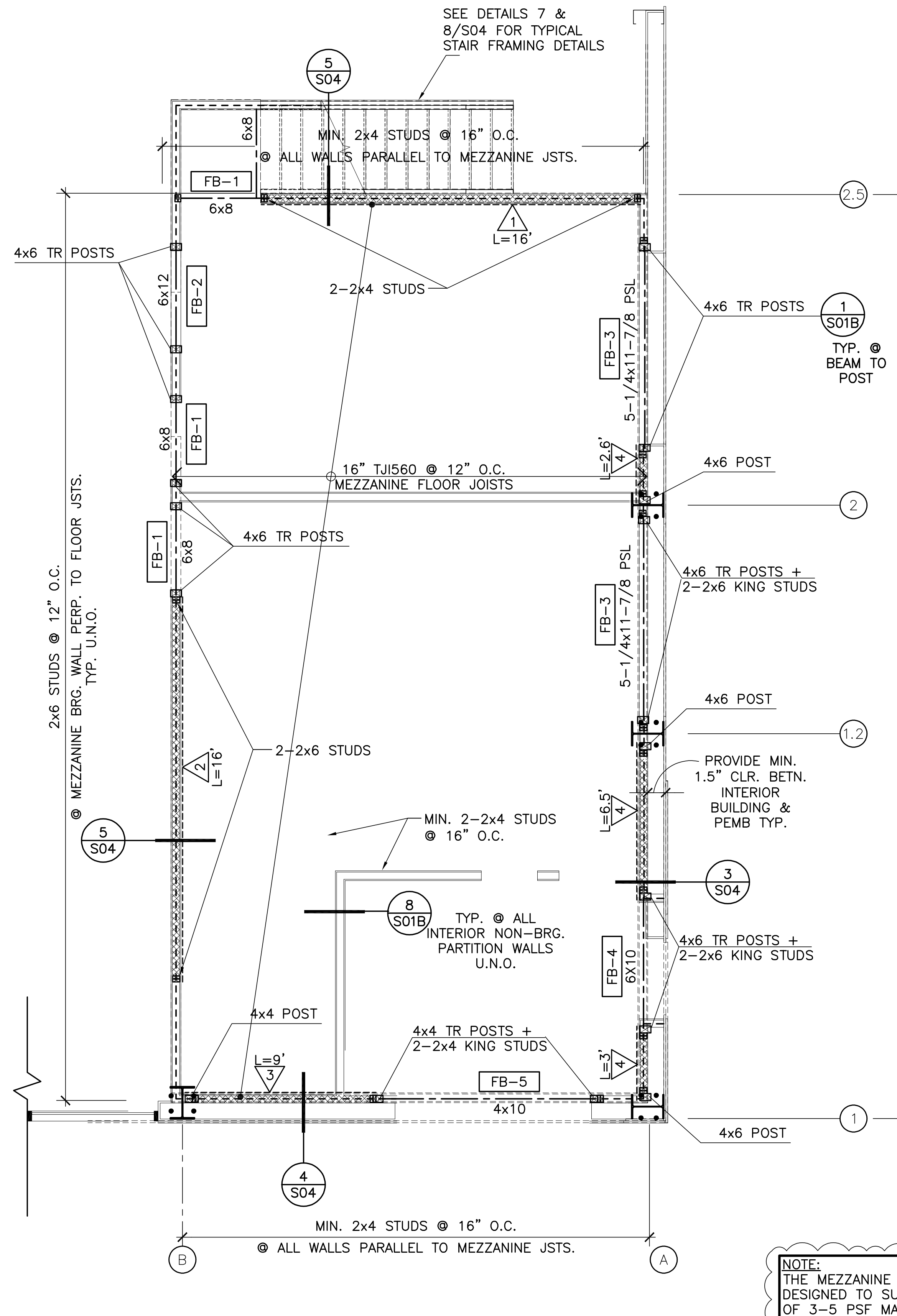
CONTINUOUS FOOTING SCHEDULE

WF-1	MIN. 18" WIDE x 30" DEEP CONTINUOUS CONCRETE FOOTING w/MIN. 2 – #5 CONTINUOUS TOP & BOTTOM & #3 @ 12" O.C. CLOSED TIES (BOTTOM OF FOOTING MIN. 24" BELOW LOWEST ADJACENT GRADE)
WF-2	MIN. 24" WIDE x 30" DEEP CONTINUOUS CONCRETE FOOTING w/MIN. 3 – #5 CONTINUOUS TOP & BOTTOM & #3 @ 12" O.C. CLOSED TIES (BOTTOM OF FOOTING MIN. 24" BELOW LOWEST ADJACENT GRADE)

PAD FOOTING SCHEDULE


2"CLR.
T
3"CLR.
3"CLR.
W
FOR CONSTRUCTION ABOVE FOOTINGS SEE DETAILS
FOR REINFORCING SEE SCHEDULE BELOW

MARK	DIMENSIONS "W"	DIMENSIONS "T"	FOOTING REINFORCING	REMARKS
F-1:	4'-0" SQ.	24"	7-#5 EA. WAY TOP & BOTTOM	NO SHEAR ANGLE
F-2:	5'-0" SQ.	24"	8-#5 EA. WAY TOP & BOTTOM	SHEAR ANGLE 4"x4"x½"x8" LONG AT PAIR OF ANCHOR BOLTS


SEE DETAILS 7 & 8/S04 FOR TYPICAL STAIR FRAMING DETAILS
MIN. 2x4 STUDS @ 16" O.C.
@ ALL WALLS PARALLEL TO MEZZANINE JSTS.
FB-1
6x8
4x6 TR POSTS
6x12
FB-2
2-2x4 STUDS
L=16'
FB-3
5-1/4x11-7/8 PSL
4x6 TR POSTS
TYP. @ BEAM TO POST
16" TJI560 @ 12" O.C. MEZZANINE FLOOR JOISTS
4x6 POST
4x6 TR POSTS
4x6 TR POSTS + 2-2x6 KING STUDS
2x6 STUDS @ 12" O.C. @ MEZZANINE BRG. WALL PERP. TO FLOOR JSTS. TYP. U.N.O.
2-2x6 STUDS
4x6 POST
PROVIDE MIN. 1.5" CLR. BETN. INTERIOR BUILDING & PEMB TYP.
MIN. 2-2x4 STUDS @ 16" O.C.
TYP. @ ALL INTERIOR NON-BRG. PARTITION WALLS U.N.O.
FB-4
6X10
4x6 TR POSTS + 2-2x6 KING STUDS
4x4 POST
4x4 TR POSTS + 2-2x4 KING STUDS
FB-5
4x10
4x6 POST
MIN. 2x4 STUDS @ 16" O.C.
@ ALL WALLS PARALLEL TO MEZZANINE JSTS.
A
B
1
1.2
2
2.5

BUILDING B MEZZANINE FRAMING PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS

NOTE:
THE MEZZANINE FLOOR HAS BEEN DESIGNED TO SUPPORT A LOAD OF 3-5 PSF MAX. OF FIRE SPRINKLER PIPE LOADS. PLEASE NOTE THAT THIS APPLIES ONLY TO THE MEZZANINE FLOOR AND NOT TO THE REST OF THE PEMB. PLEASE REFER TO PEMB PLANS FOR DESIGN LOADS FOR THE FIRE SPRINKLERS.

A

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PROJECT ENGINEER:
MANISHA G. KONICKI

NEW WINE TASTING BUILDING A FOR:
HAVEN VINEYARD
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE:	01/29/24
DRWN BY:	MH
CHK'D BY:	MGK
SCALE:	PER PLAN

REVISIONS

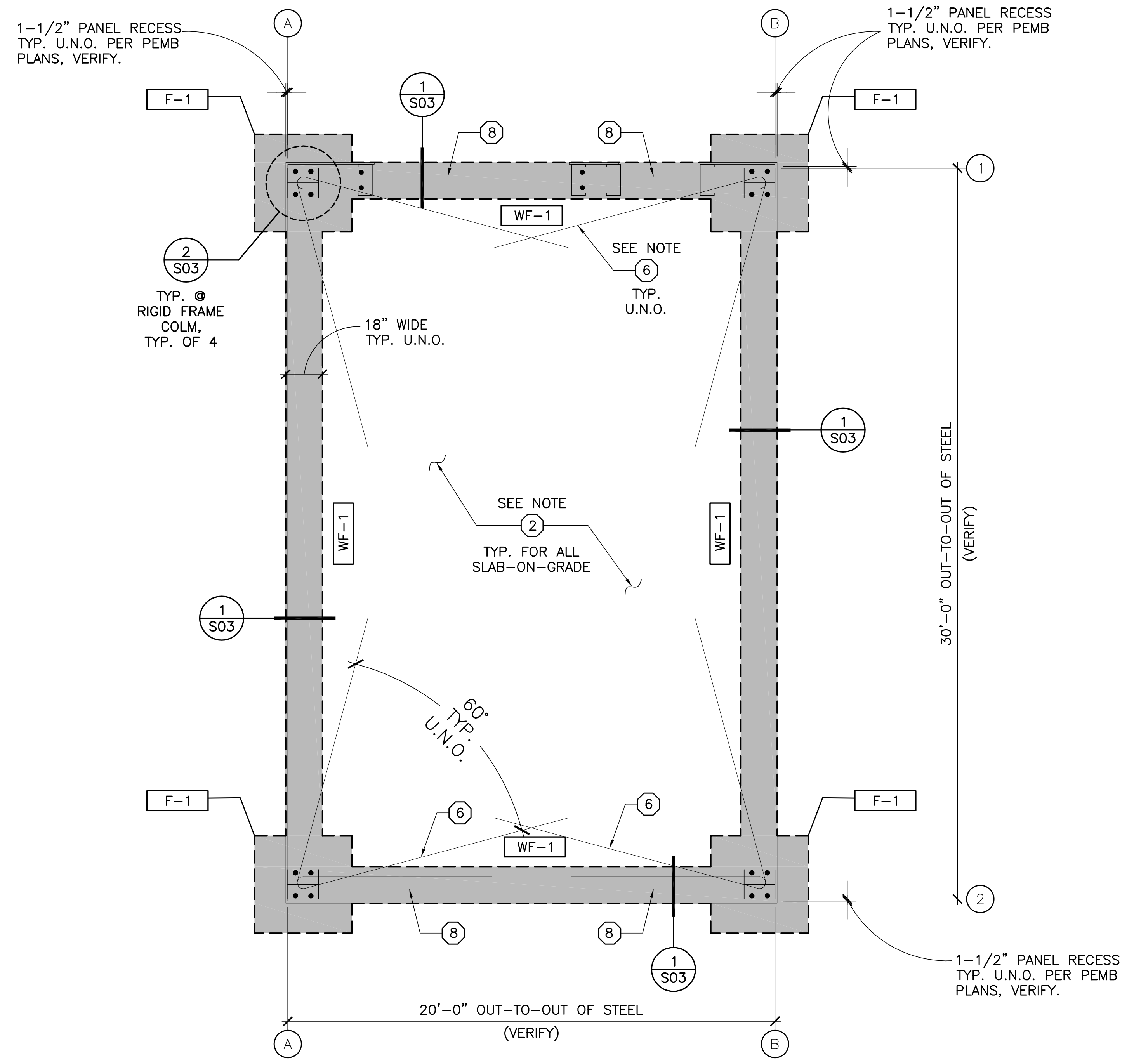
NO.	DATE	REMARKS
A	10-04-24	
B	11-21-24	
C		
D		
E		

SHEET TITLE

BUILDING B
FOUNDATION &
MEZZANINE
FRAMING PLAN

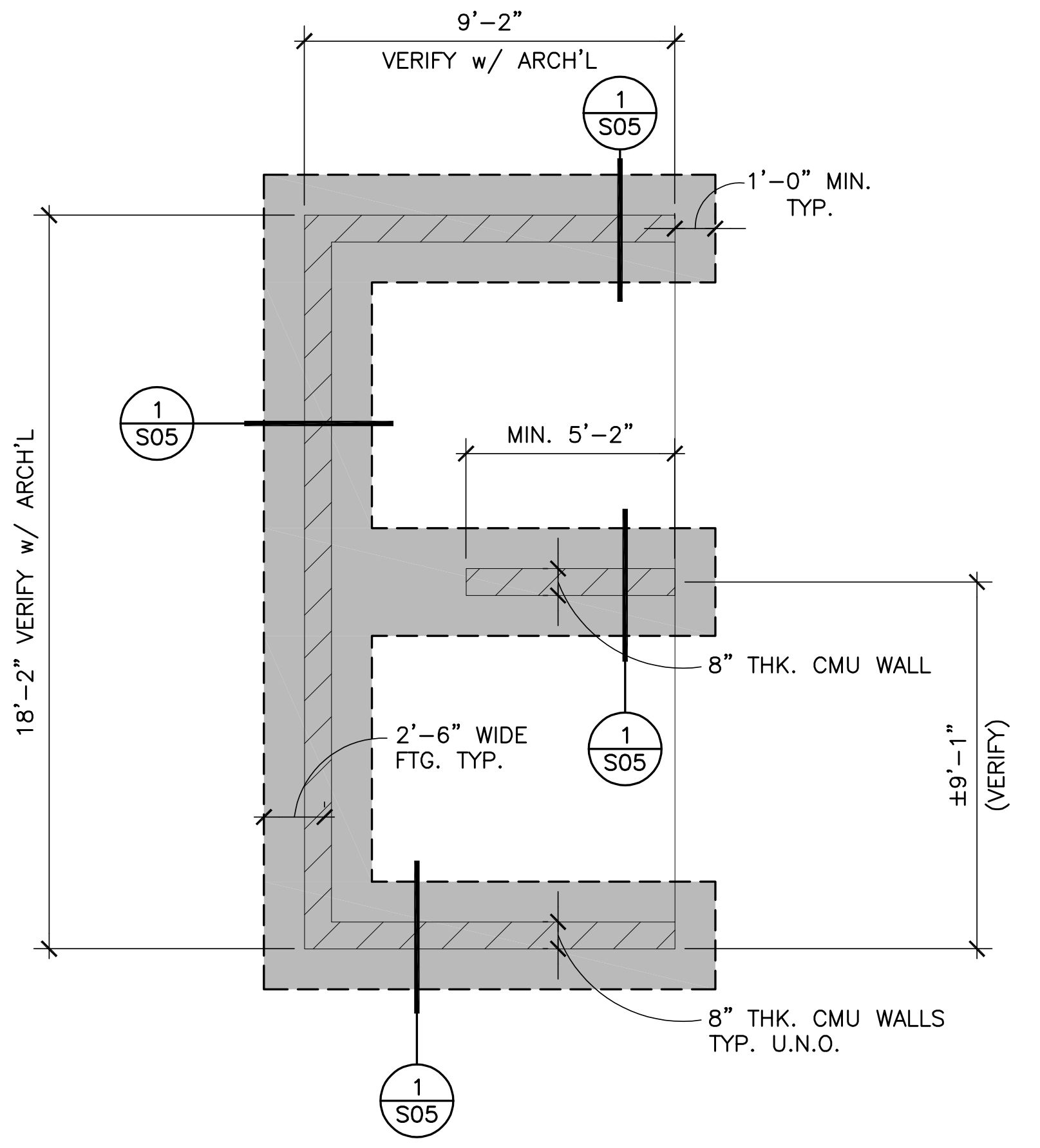
SHEET NO.

S02B


A
B
1
2
1-1/2" PANEL RECESS TYP. U.N.O. PER PEMB PLANS, VERIFY.
F-1
1/S03
8
WF-1
2/S03
TYP. @ RIGID FRAME COLM, TYP. OF 4
SEE NOTE 6 TYP. U.N.O.
18" WIDE TYP. U.N.O.
SEE NOTE 2 TYP. FOR ALL SLAB-ON-GRADE
60° TYP. U.N.O.
6
30'-0" OUT-TO-OUT OF STEEL (VERIFY)
20'-0" OUT-TO-OUT OF STEEL (VERIFY)

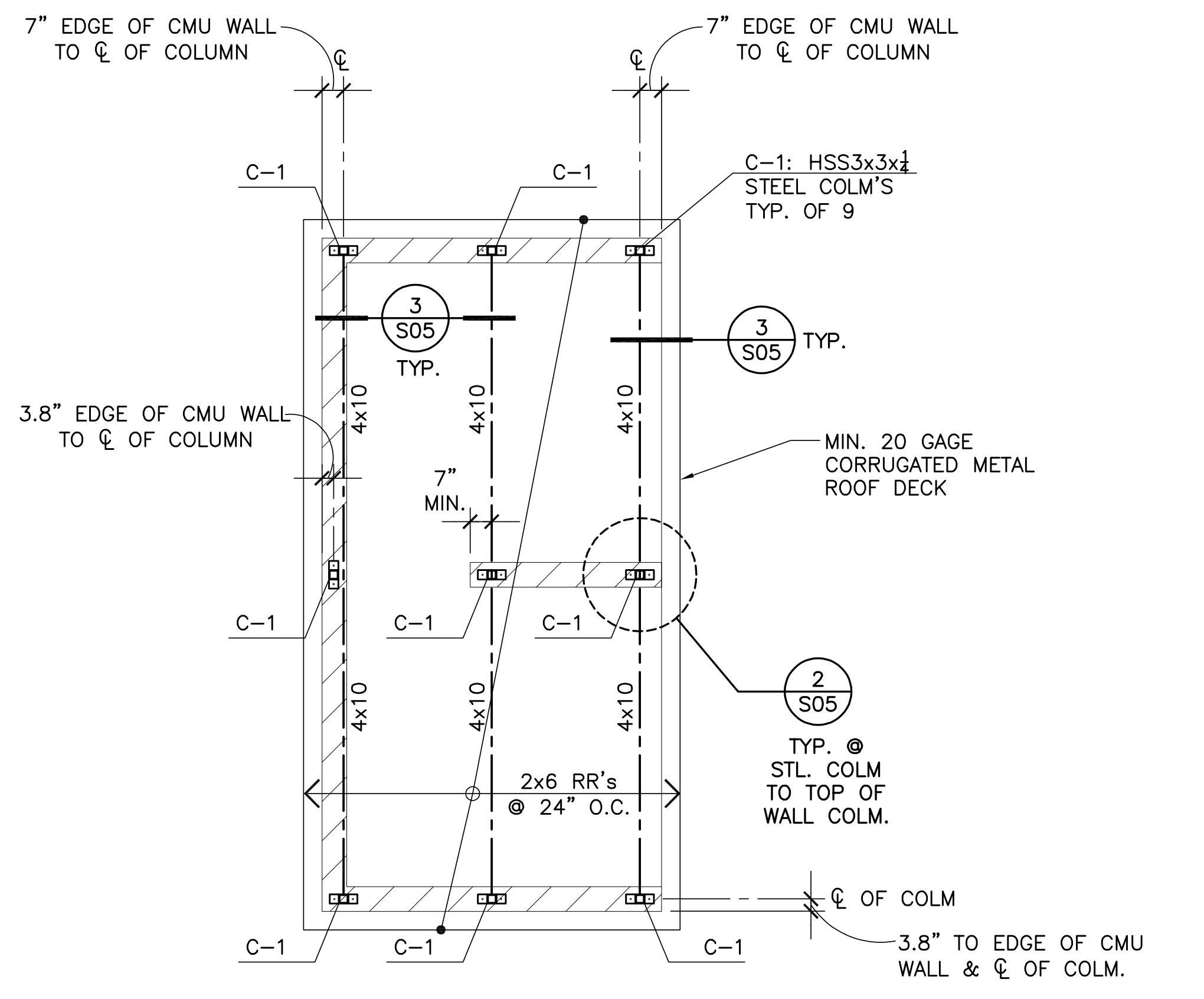
BUILDING C - PEMB FOUNDATION PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS



TRASH ENCLOSURE FOUNDATION PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS


7" EDGE OF CMU WALL TO ℄ OF COLUMN
℄
C-1
C-1: HSS3x3x¼ STEEL COLM'S TYP. OF 9
3/S05 TYP.
3.8" EDGE OF CMU WALL TO ℄ OF COLUMN
4x10
7" MIN.
MIN. 20 GAGE CORRUGATED METAL ROOF DECK
2/S05 TYP. @ STL. COLM TO TOP OF WALL COLM.
2x6 RR's @ 24" O.C.
℄ OF COLM
3.8" TO EDGE OF CMU WALL & ℄ OF COLM.

TRASH ENCLOSURE ROOF FRAMING PLAN

1/4" = 1'-0" VERIFY ALL DIMENSIONS WITH PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS

FOUNDATION NOTES

① SEE TYPICAL DETAIL AND GENERAL STRUCTURAL NOTES FOR EARTHWORK REQUIREMENTS.

② TYPICAL CONCRETE SLAB ON GRADE TO BE MINIMUM 6" THK., 5,000 PSI, (MAX. W/C = 0.4) W/ #4 BARS @ 18" O.C. E.W. CHAIRED AT CENTER OF CONCRETE SLAB. THE SLAB SHALL BE PLACED OVER TOTAL 4" THICK CLEAN SAND LAID OVER COMPACTED ENGINEERED CERTIFIED SOIL. A MINIMUM 15 MIL MOISTURE/VAPOR BARRIER IS TO BE PLACED IN THE CENTER OF THE 4" THICK SAND BASE W/ 2" OF CLEAN SAND ABOVE AND BELOW THE BARRIER. THE VAPOR/MOISTURE BARRIER SHOULD BE SEALED AT AT ALL PENETRATIONS AND LAPS. VERIFY WITH SOILS ENGINEER. THE MIN. 15 MIL MOISTURE/VAPOR BARRIER SHALL COMPLY WITH ASTM E 1745 CLASS "A" CRITERIA.

③ PROVIDE ½" PREFORMED JOINT FILLER AT ALL LOCATIONS WHERE EXTERIOR SLABS ABUT THE BUILDING U.N.O.

④ ALL HORIZONTAL REINFORCING IN FOOTINGS, STEMWALLS AND WALLS SHALL BE CONTINOUS AROUND ALL CORNERS AND INTERSECTIONS PER TYPICAL DETAIL 1/S01A.

⑤ PROVIDE SLAB CONTROL JOINTS PER TYPICAL DETAIL 4/S01A.

⑥ 1-#5 x 25'-0" HAIRPINS CENTERED IN SLAB AND HOOKED AROUND ANCHOR BOLT PER DETAIL 2/S03 & 5/S03

⑦ 1-#5 x 25'-0" LONG HAIRPINS CENTERED IN SLAB AND HOOKED AROUND ANCHOR BOLT PER DETAIL 3/S03

⑧ 1-#5 x 16'-0" LONG – RADIUS AS REQUIRED TO HOOK AROUND SHEAR ANGLE. LAP W/CONCRETE CONTINUOUS FOOTING OR GRADE BEAM MIN. 3'-0"

⑨ CONCRETE GRADE TIE BEAM FOOTING PER SCHEDULE. LAP WITH HAIRPIN AND LAP SPLICES A MINIMUM OF 3'-0". SEE DETAIL 4/S03

⑩ PROVIDE PIPE PENETRATION UNDER CONTINUOUS FOOTING PER DETAIL 6/S03. NO PIPE PENETRATION ARE TO BE PROVIDED UNDER OR THRU STEEL COLUMN PAD FOOTINGS.

⑪ PROVIDE A SUB DRAINAGE SYSTEM UNDER SLAB-ON-GRADE PER GEOTECHINCAL REPORT.

⑫ ALL INTERIOR PARTITIONS ARE DESIGNED TO BE STRUCTURALLY INDEPENDENT AND DON'T REQUIRE ATTACHMENT TO THE METAL BULDING FOR VERTICAL OR LATERAL LOADS.

⑬ FOOTINGS MAY NEED TO BE DEEPENED MORE THAN PROVIDED ON PLANS IN AREAS THAT DO NOT MEET THE MINIMUM SETBACK REQUIREMENTS AT SLOPES PER GEOTECH REPORT. NOTIFY EOR FOR ALTERNATE DEEPENED FOOTING DETAIL.

⑭ FOR TRENCHING NEAR FOOTINGS, SEE DETAIL 7/S03.

NOTE:
VERIFY ALL DIMENSIONS & COLUMN LOCATIONS W/ PRE-ENGINEERED METAL BUILDING PLANS & ARCH'L PLANS. PAD FOOTINGS AT COLUMNS TO BE CENTERED ON COLUMNS

NOTE:
SEE SHEETS S01A & S01B FOR GENERAL STRUCTURAL NOTES & FOUNDATION NOTES

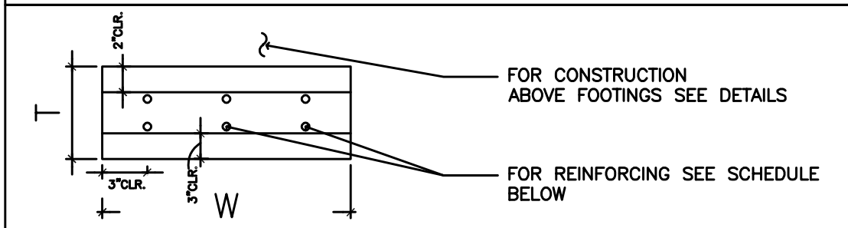
ABBREVIATION LEGEND:

U.N.O.	UNLESS NOTED OTHERWISE
TYP	TYPICAL
W/	WITH
FTG.	FOOTING
THK.	THICK
MIN.	MINIMUM
ADJ.	ADJACENT
CONT.	CONTINUOUS
EA.	EACH
CANT.	CANTILEVER
SHT'G	SHEATHING
BLK'G	BLOCKING
BETN	BETWEEN
F.A.	FROM ABOVE
P.F.A.	POST FROM ABOVE
F.J	FLOOR JOIST
D.J.	DECK JOISTS
E.O.R	ENGINEER OF RECORD
HDR.	HEADER
DEMO'D	DEMOLISHED
(E)	EXISTING
(N)	NEW
R.R	ROOF RAFTERS
C.J.	CEILING JOISTS
F.J.	FLOOR JOISTS
TR.	TRIMMER
PEMB	PRE-ENGINEERED METAL BUILDING
COLM.	COLUMN
PERP.	PERPENDICULAR

CONTINUOUS FOOTING SCHEDULE

WF-1	MIN. 18" WIDE x 30" DEEP CONTINUOUS CONCRETE FOOTING w/MIN. 2 – #5 CONTINUOUS TOP & BOTTOM & #3 @ 12" O.C. CLOSED TIES (BOTTOM OF FOOTING MIN. 24" BELOW LOWEST ADJACENT GRADE)
WF-2	MIN. 24" WIDE x 30" DEEP CONTINUOUS CONCRETE FOOTING w/MIN. 3 – #5 CONTINUOUS TOP & BOTTOM & #3 @ 12" O.C. CLOSED TIES (BOTTOM OF FOOTING MIN. 24" BELOW LOWEST ADJACENT GRADE)

PAD FOOTING SCHEDULE



FOR CONSTRUCTION ABOVE FOOTINGS SEE DETAILS

FOR REINFORCING SEE SCHEDULE BELOW

MARK	DIMENSIONS "W"	DIMENSIONS "T"	FOOTING REINFORCING	REMARKS
F-1:	4'-0" SQ.	24"	7-#5 EA. WAY TOP & BOTTOM	NO SHEAR ANGLE
F-2:	5'-0" SQ.	24"	8-#5 EA. WAY TOP & BOTTOM	SHEAR ANGLE 4"x4"x½"x8" LONG AT PAIR OF ANCHOR BOLTS

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PROJECT ENGINEER:
MANISHA G. KONICKI

NEW WINE TASTING BUILDING A FOR:
HAVEN VINEYARD
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE: 01/29/24
DRWN BY: MH
CHK'D BY: MGK
SCALE: PER PLAN

REVISIONS

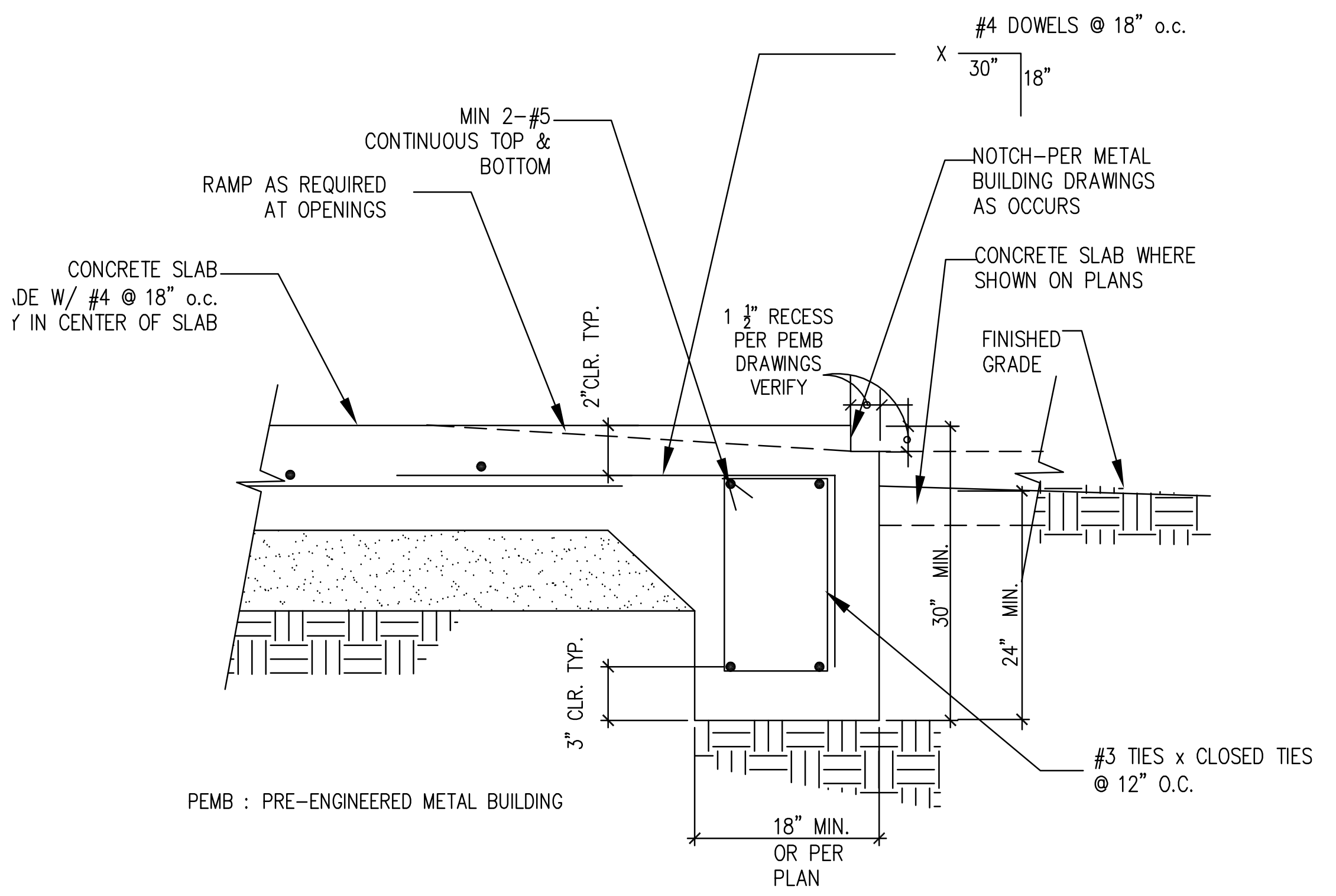
NO.	DATE	REMARKS
A		
B		
C		
D		
E		

SHEET TITLE

BUILDING C
FOUNDATION PLAN &
TRASH ENCLOSURE
FOUNDATION &
FRAMING PLAN

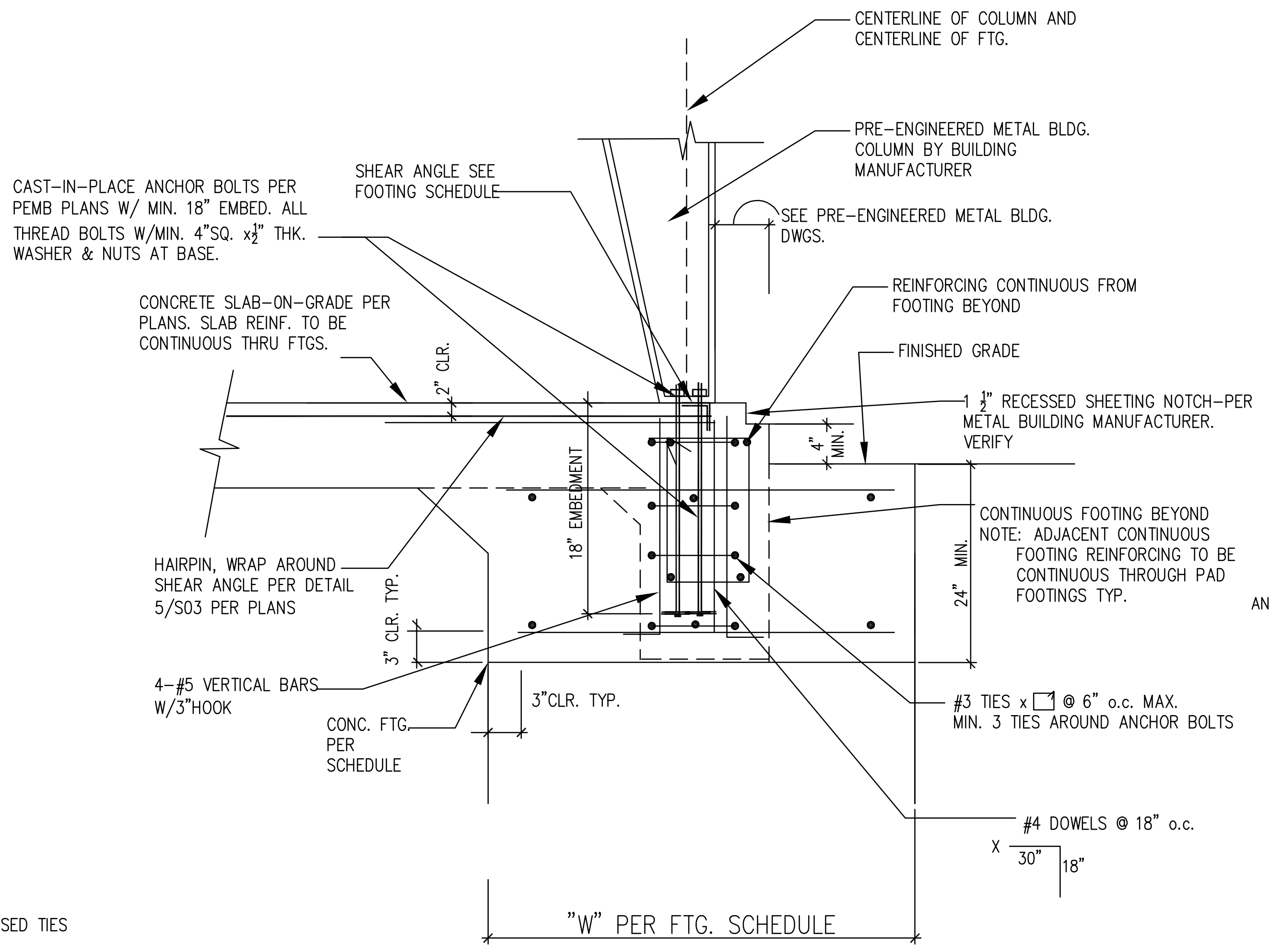
SHEET NO.

S02C


#4 DOWELS @ 18" o.c.
X 30" 18"
MIN 2-#5 CONTINUOUS TOP & BOTTOM
RAMP AS REQUIRED AT OPENINGS
CONCRETE SLAB
ADE W/ #4 @ 18" o.c.
Y IN CENTER OF SLAB
NOTCH-PER METAL BUILDING DRAWINGS AS OCCURS
CONCRETE SLAB WHERE SHOWN ON PLANS
1 ½" RECESS PER PEMB DRAWINGS VERIFY
FINISHED GRADE
2"CLR. TYP.
30" MIN.
24" MIN.
3" CLR. TYP.
#3 TIES x CLOSED TIES @ 12" O.C.
PEMB : PRE-ENGINEERED METAL BUILDING
18" MIN. OR PER PLAN

1 TYP. CONC. PERIMETER CONTINUOUS FOOTING

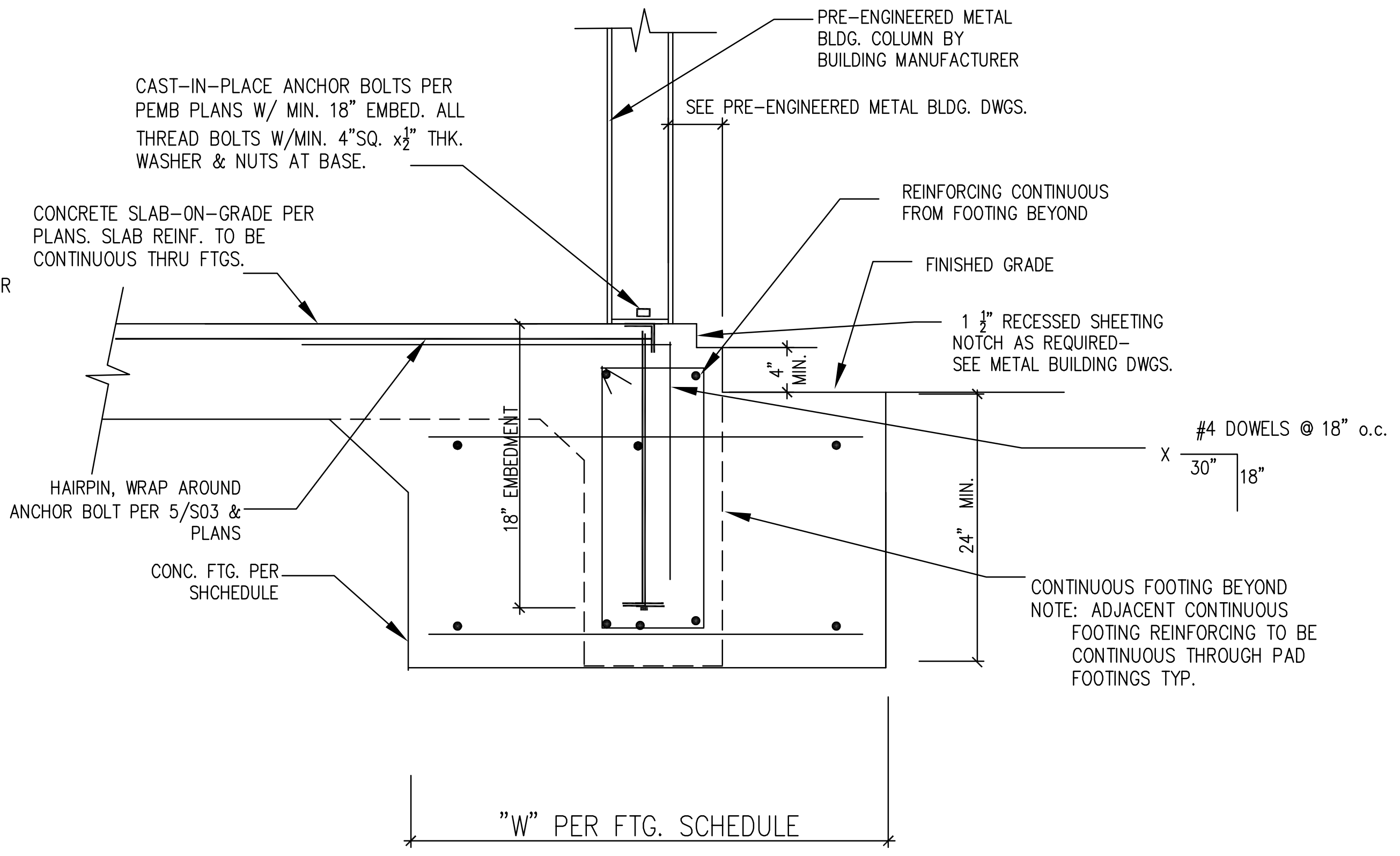
SCALE: N.T.S.


CENTERLINE OF COLUMN AND CENTERLINE OF FTG.
PRE-ENGINEERED METAL BLDG. COLUMN BY BUILDING MANUFACTURER
SHEAR ANGLE SEE FOOTING SCHEDULE
CAST-IN-PLACE ANCHOR BOLTS PER PEMB PLANS W/ MIN. 18" EMBED. ALL THREAD BOLTS W/MIN. 4"SQ. x½" THK. WASHER & NUTS AT BASE.
SEE PRE-ENGINEERED METAL BLDG. DWGS.
REINFORCING CONTINUOUS FROM FOOTING BEYOND
CONCRETE SLAB-ON-GRADE PER PLANS. SLAB REINF. TO BE CONTINUOUS THRU FTGS.
FINISHED GRADE
2" CLR.
1 ½" RECESSED SHEETING NOTCH-PER METAL BUILDING MANUFACTURER. VERIFY
4" MIN.
18" EMBEDMENT
CONTINUOUS FOOTING BEYOND
NOTE: ADJACENT CONTINUOUS FOOTING REINFORCING TO BE CONTINUOUS THROUGH PAD FOOTINGS TYP.
HAIRPIN, WRAP AROUND SHEAR ANGLE PER DETAIL 5/S03 PER PLANS
24" MIN.
3" CLR. TYP.
4-#5 VERTICAL BARS W/3"HOOK
3"CLR. TYP.
CONC. FTG. PER SCHEDULE
#3 TIES x ⌐ @ 6" o.c. MAX. MIN. 3 TIES AROUND ANCHOR BOLTS
#4 DOWELS @ 18" o.c.
X 30" 18"
"W" PER FTG. SCHEDULE

NOTE: ANCHOR BOLTS TO BE MIN. F1554, GR. 55 OR PER PEMB MANUFACTURER

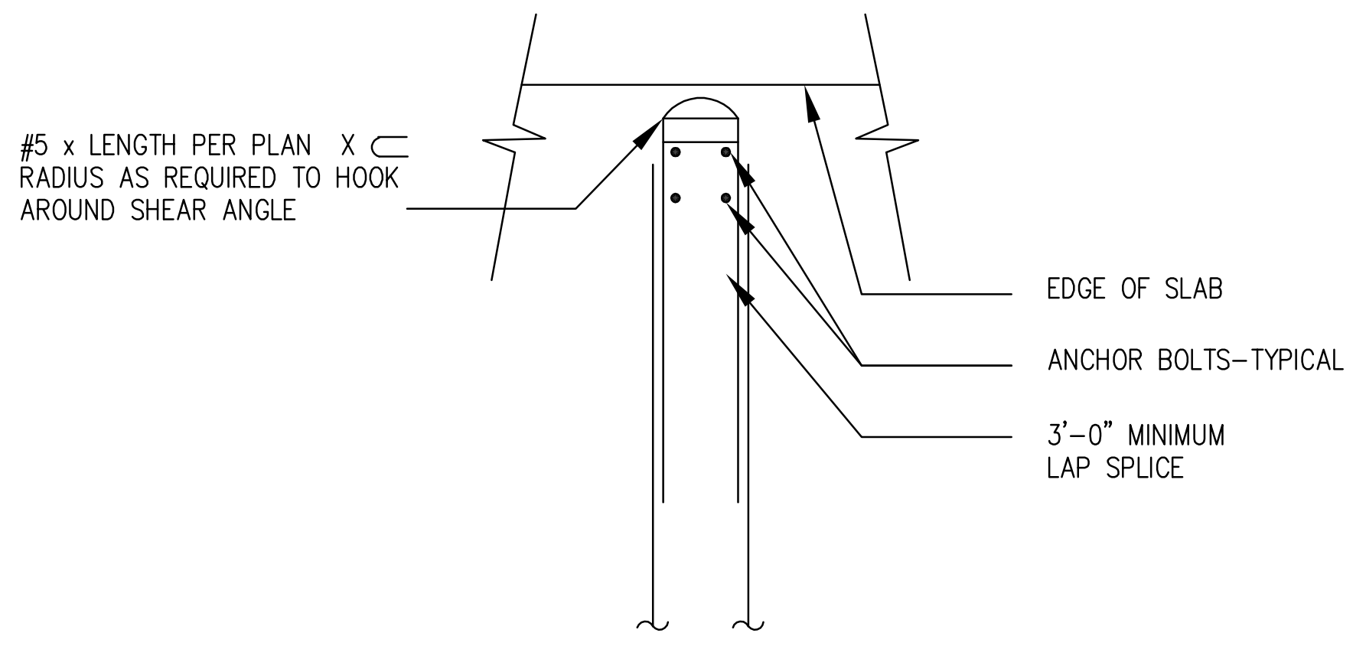
2 EXTERIOR METAL BUILDING COLUMN FOOTING

SCALE: N.T.S.

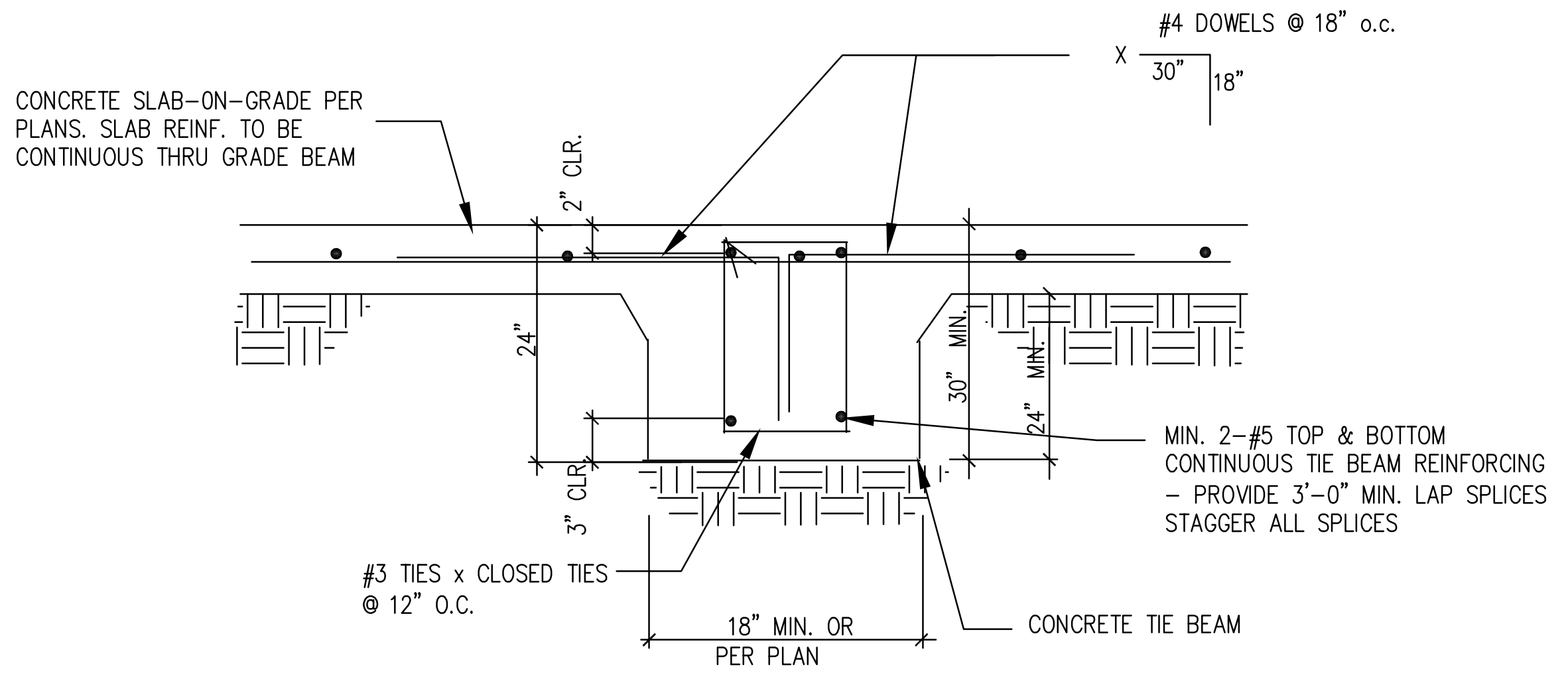

PRE-ENGINEERED METAL BLDG. COLUMN BY BUILDING MANUFACTURER
CAST-IN-PLACE ANCHOR BOLTS PER PEMB PLANS W/ MIN. 18" EMBED. ALL THREAD BOLTS W/MIN. 4"SQ. x½" THK. WASHER & NUTS AT BASE.
SEE PRE-ENGINEERED METAL BLDG. DWGS.
REINFORCING CONTINUOUS FROM FOOTING BEYOND
CONCRETE SLAB-ON-GRADE PER PLANS. SLAB REINF. TO BE CONTINUOUS THRU FTGS.
FINISHED GRADE
1 ½" RECESSED SHEETING NOTCH AS REQUIRED- SEE METAL BUILDING DWGS.
4" MIN.
#4 DOWELS @ 18" o.c.
X 30" 18"
HAIRPIN, WRAP AROUND ANCHOR BOLT PER 5/S03 & PLANS
18" EMBEDMENT
24" MIN.
CONC. FTG. PER SHCHEDULE
CONTINUOUS FOOTING BEYOND
NOTE: ADJACENT CONTINUOUS FOOTING REINFORCING TO BE CONTINUOUS THROUGH PAD FOOTINGS TYP.
"W" PER FTG. SCHEDULE

3 EXTERIOR METAL BUILDING COLUMN FOOTING AT END WALL

SCALE: N.T.S.

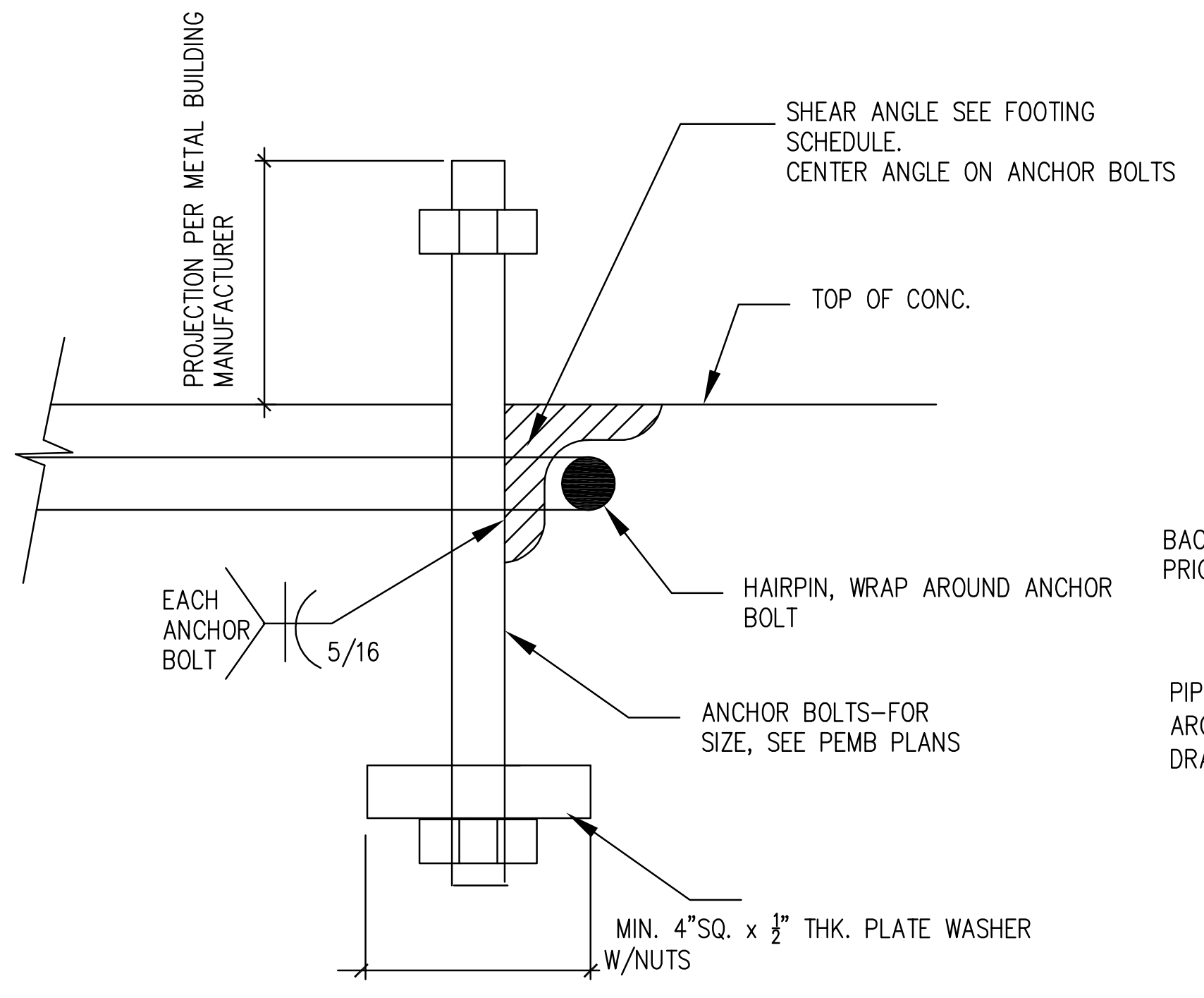

#5 x LENGTH PER PLAN X ⊂ RADIUS AS REQUIRED TO HOOK AROUND SHEAR ANGLE
EDGE OF SLAB
ANCHOR BOLTS-TYPICAL
3'-0" MINIMUM LAP SPLICE

PLAN AT COLUMNS


#4 DOWELS @ 18" o.c.
X 30" 18"
CONCRETE SLAB-ON-GRADE PER PLANS. SLAB REINF. TO BE CONTINUOUS THRU GRADE BEAM
2" CLR.
24"
30" MIN.
24" MIN.
3" CLR.
MIN. 2-#5 TOP & BOTTOM CONTINUOUS TIE BEAM REINFORCING - PROVIDE 3'-0" MIN. LAP SPLICES STAGGER ALL SPLICES
#3 TIES x CLOSED TIES @ 12" O.C.
18" MIN. OR PER PLAN
CONCRETE TIE BEAM

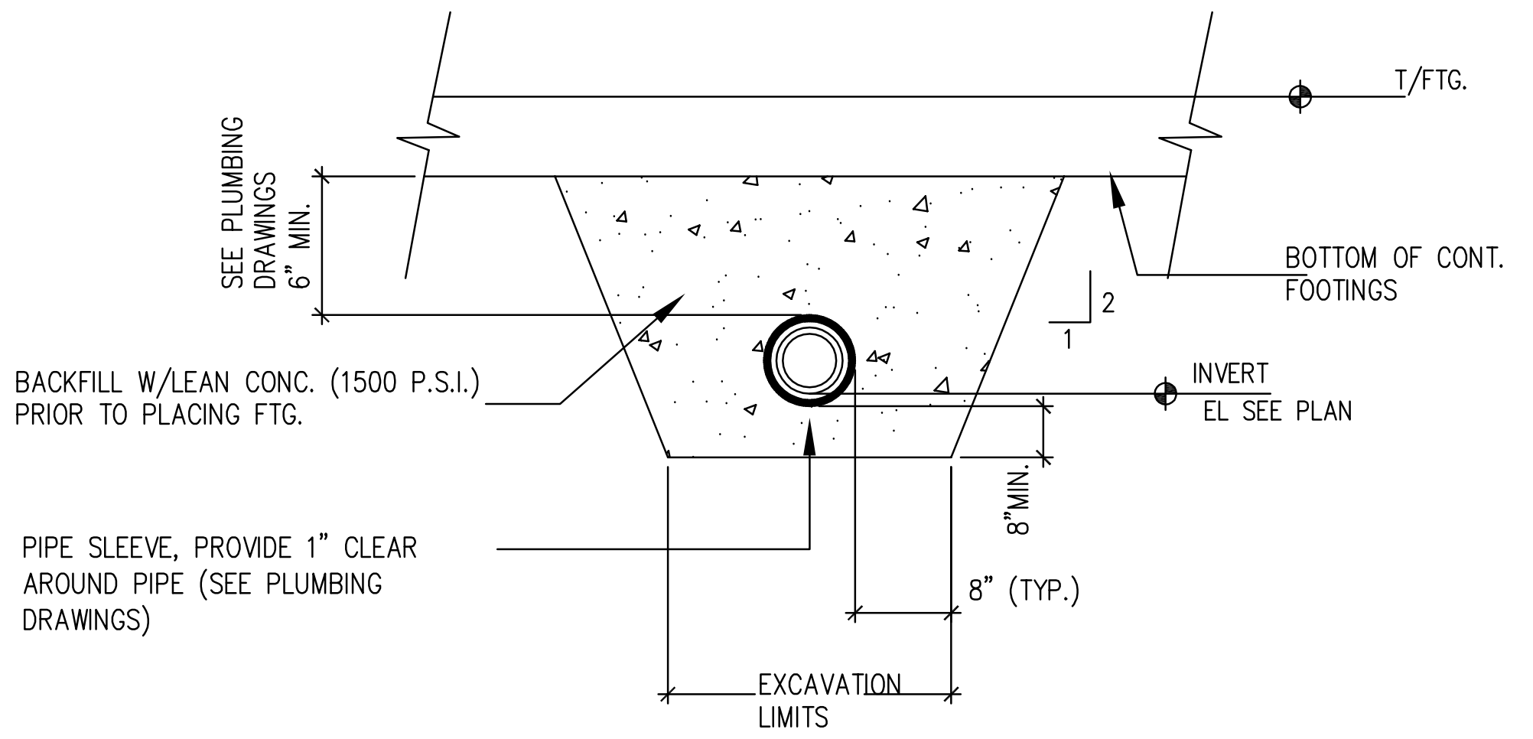
4 CONCRETE TIE GRADE BEAM

SCALE: N.T.S.


PROJECTION PER METAL BUILDING MANUFACTURER
SHEAR ANGLE SEE FOOTING SCHEDULE. CENTER ANGLE ON ANCHOR BOLTS
TOP OF CONC.
HAIRPIN, WRAP AROUND ANCHOR BOLT
EACH ANCHOR BOLT
5/16
ANCHOR BOLTS-FOR SIZE, SEE PEMB PLANS
MIN. 4"SQ. x ½" THK. PLATE WASHER W/NUTS

5 TYP. CONC. PERIMETER CONTINUOUS FOOTING

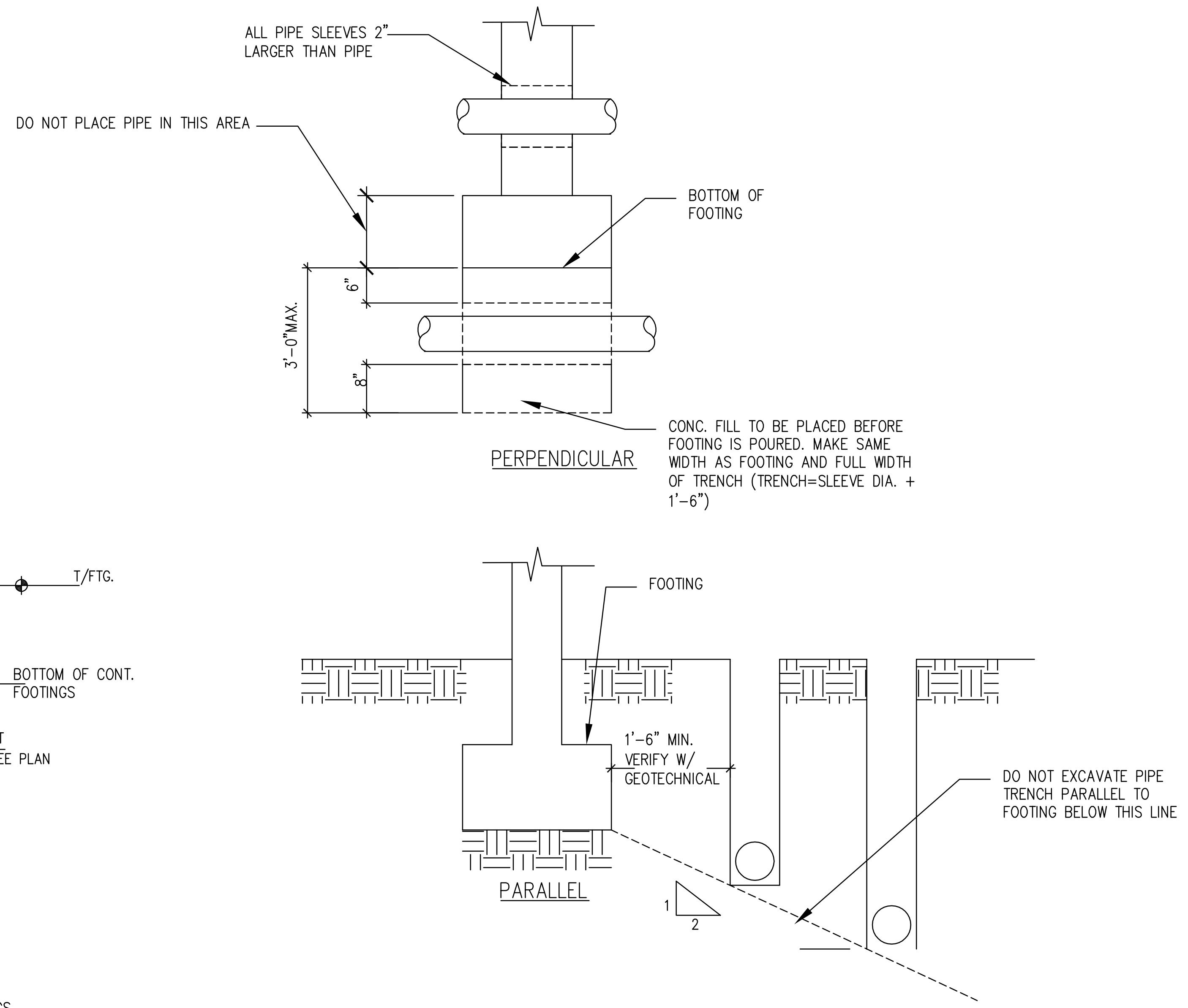
SCALE: N.T.S.


T/FTG.
SEE PLUMBING DRAWINGS 6" MIN.
BOTTOM OF CONT. FOOTINGS
2
1
BACKFILL W/LEAN CONC. (1500 P.S.I.) PRIOR TO PLACING FTG.
INVERT EL SEE PLAN
8"MIN.
PIPE SLEEVE, PROVIDE 1" CLEAR AROUND PIPE (SEE PLUMBING DRAWINGS)
8" (TYP.)
EXCAVATION LIMITS

NO PIPES SHALL BE ALLOWED TO PASS THRU OR UNDER COLUMN FOOTINGS. ALL PIPES SHALL BE INSTALLED AWAY FROM COLUMN FOOTINGS AND PRIOR TO CONSTRUCTION OF WALL FOOTING.

6 TYP. PIPE BACKFILL AT FTG.

SCALE: N.T.S.


ALL PIPE SLEEVES 2" LARGER THAN PIPE
DO NOT PLACE PIPE IN THIS AREA
BOTTOM OF FOOTING
6"
3'-0"MAX.
8"
CONC. FILL TO BE PLACED BEFORE FOOTING IS POURED. MAKE SAME WIDTH AS FOOTING AND FULL WIDTH OF TRENCH (TRENCH=SLEEVE DIA. + 1'-6")
PERPENDICULAR
FOOTING
1'-6" MIN. VERIFY W/ GEOTECHNICAL
DO NOT EXCAVATE PIPE TRENCH PARALLEL TO FOOTING BELOW THIS LINE
PARALLEL
1
2

7 TYP. TRENCH DETAILS

SCALE: N.T.S.

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TEMECULA, CA. 92592

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CHK'D BY: MGK
SCALE: PER PLAN

REVISIONS

NO.	DATE	REMARKS
△		
B		
C		
D		
E		
F		

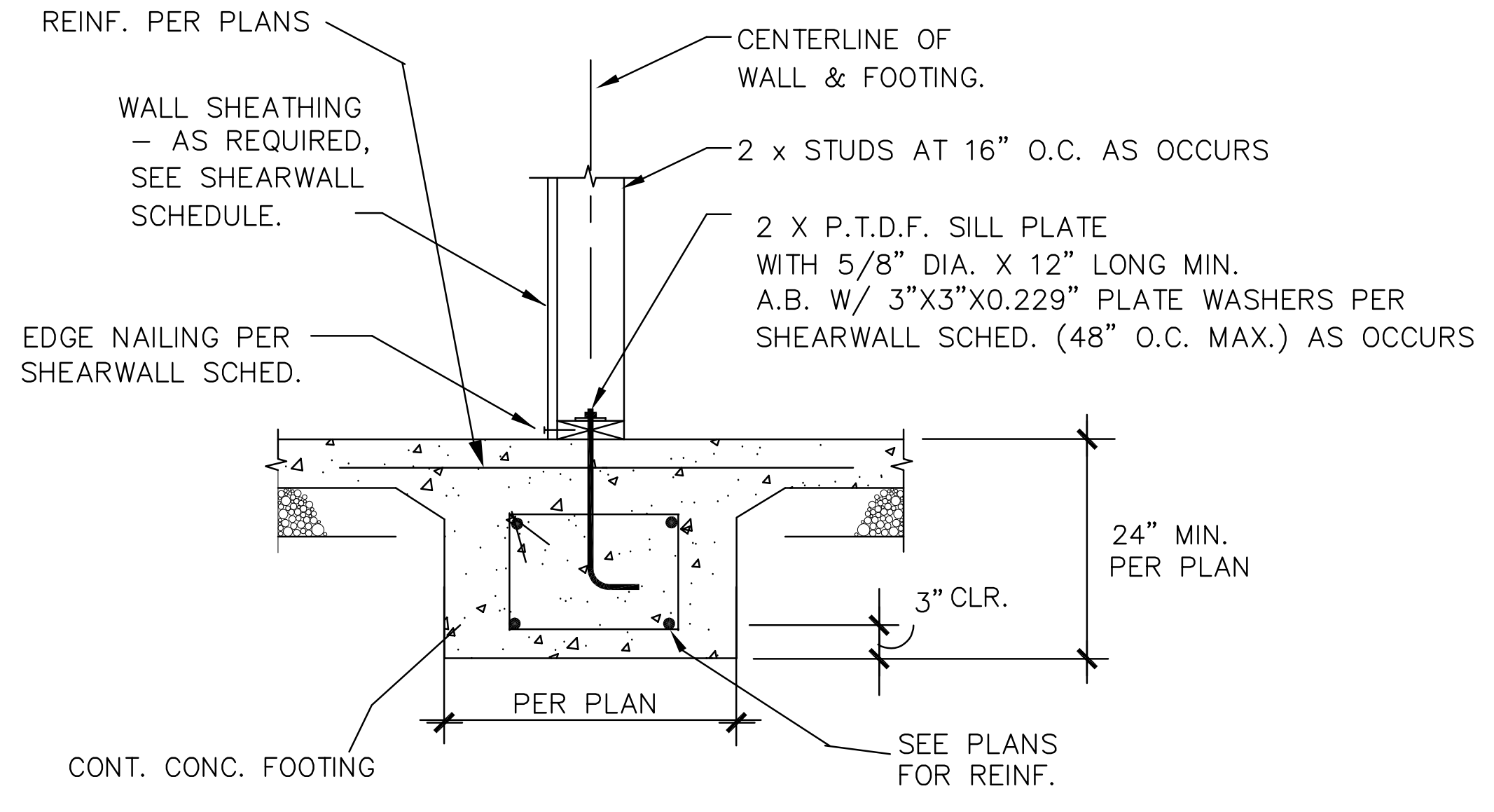
SHEET TITLE

FOUNDATION PLAN
DETAILS

SHEET NO.

S03

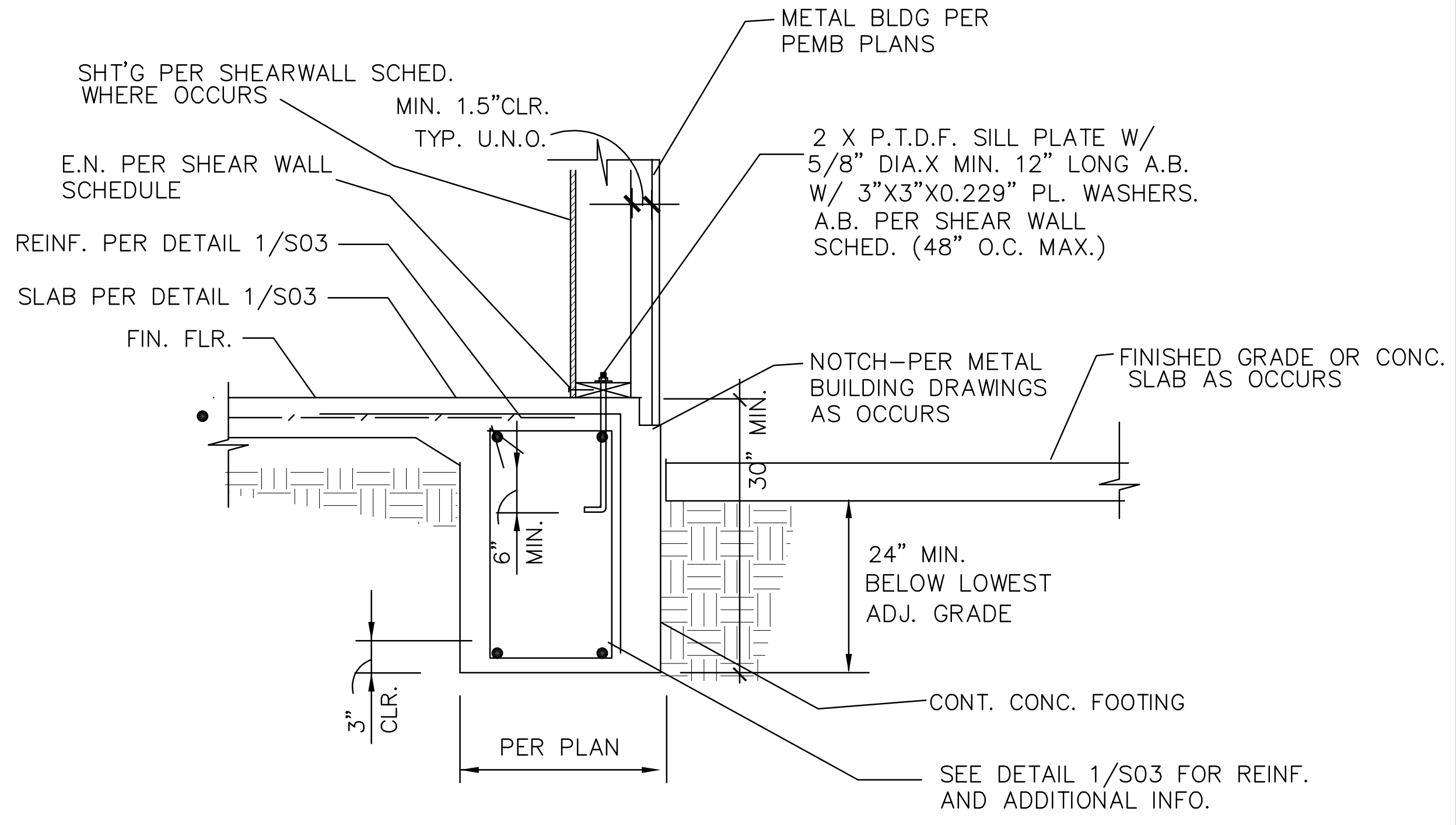
ALL WOOD (STUD/SHEATHING) LOCATED WITHIN 8" FROM FINISHED GRADE MUST BE P.T.D.F (PRESSURE TREATED DOUGLAS FIR).


REINF. PER PLANS
WALL SHEATHING – AS REQUIRED, SEE SHEARWALL SCHEDULE.
EDGE NAILING PER SHEARWALL SCHED.
CENTERLINE OF WALL & FOOTING.
2 x STUDS AT 16" O.C. AS OCCURS
2 X P.T.D.F. SILL PLATE WITH 5/8" DIA. X 12" LONG MIN. A.B. W/ 3"X3"X0.229" PLATE WASHERS PER SHEARWALL SCHED. (48" O.C. MAX.) AS OCCURS
24" MIN. PER PLAN
3" CLR.
PER PLAN
SEE PLANS FOR REINF.
CONT. CONC. FOOTING

① MEZZANINE INTERIOR WALL FOOTING

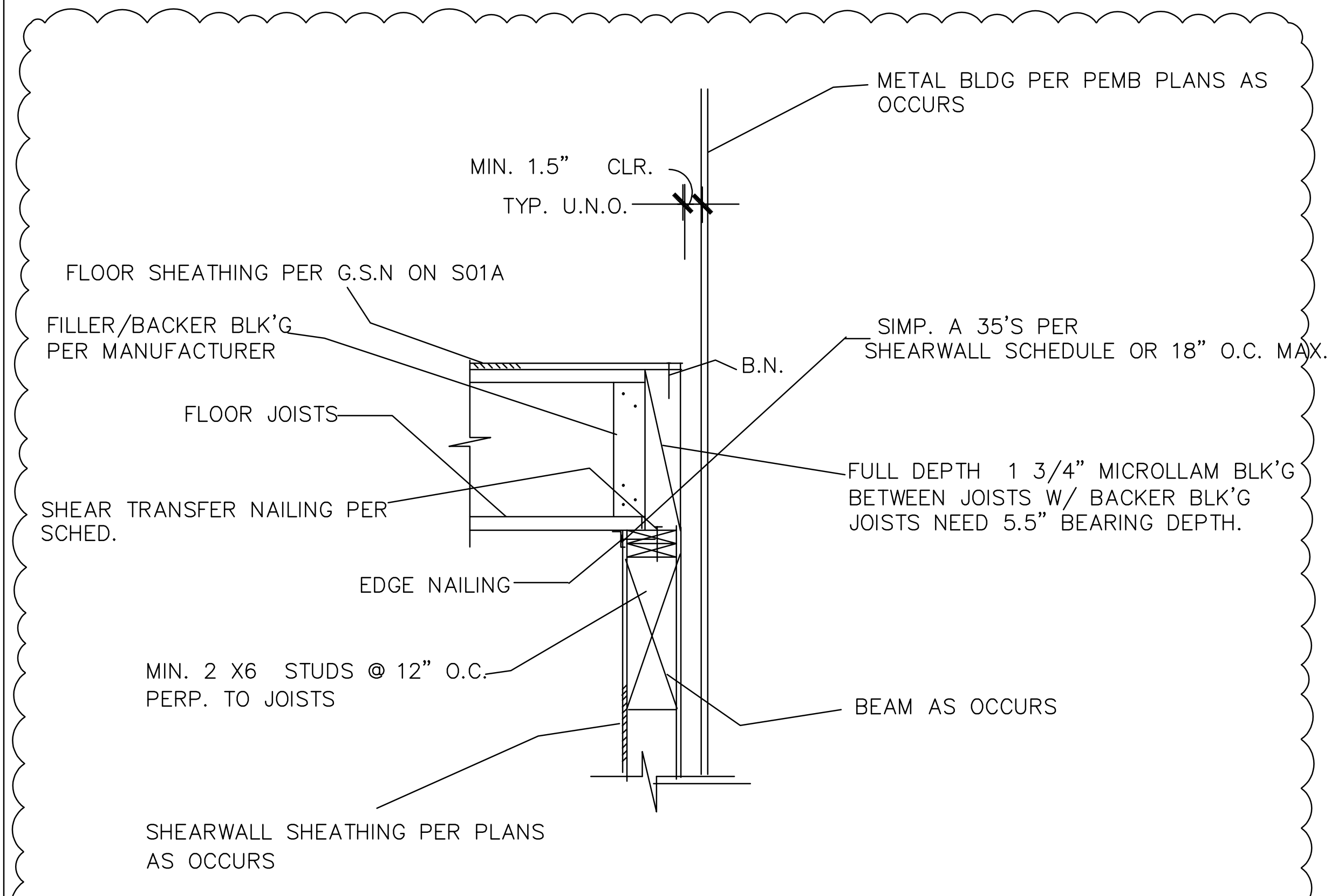
ANCHOR BOLTS IN CONTACT WITH PRESSURE TREATED SILL PLATE SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER–PER CBC SECTION 2304.9.5.1

NOTE : ALL WOOD (STUD/SHEATHING) LOCATED WITHIN 8" FROM FINISHED GRADE MUST BE P.T.D.F (PRESSURE TREATED DOUGLAS FIR).


SHT'G PER SHEARWALL SCHED. WHERE OCCURS
MIN. 1.5"CLR. TYP. U.N.O.
METAL BLDG PER PEMB PLANS
E.N. PER SHEAR WALL SCHEDULE
REINF. PER DETAIL 1/S03
SLAB PER DETAIL 1/S03
FIN. FLR.
2 X P.T.D.F. SILL PLATE W/ 5/8" DIA.X MIN. 12" LONG A.B. W/ 3"X3"X0.229" PL. WASHERS. A.B. PER SHEAR WALL SCHED. (48" O.C. MAX.)
NOTCH–PER METAL BUILDING DRAWINGS AS OCCURS
FINISHED GRADE OR CONC. SLAB AS OCCURS
30" MIN.
6" MIN.
24" MIN. BELOW LOWEST ADJ. GRADE
3" CLR.
PER PLAN
CONT. CONC. FOOTING
SEE DETAIL 1/S03 FOR REINF. AND ADDITIONAL INFO.

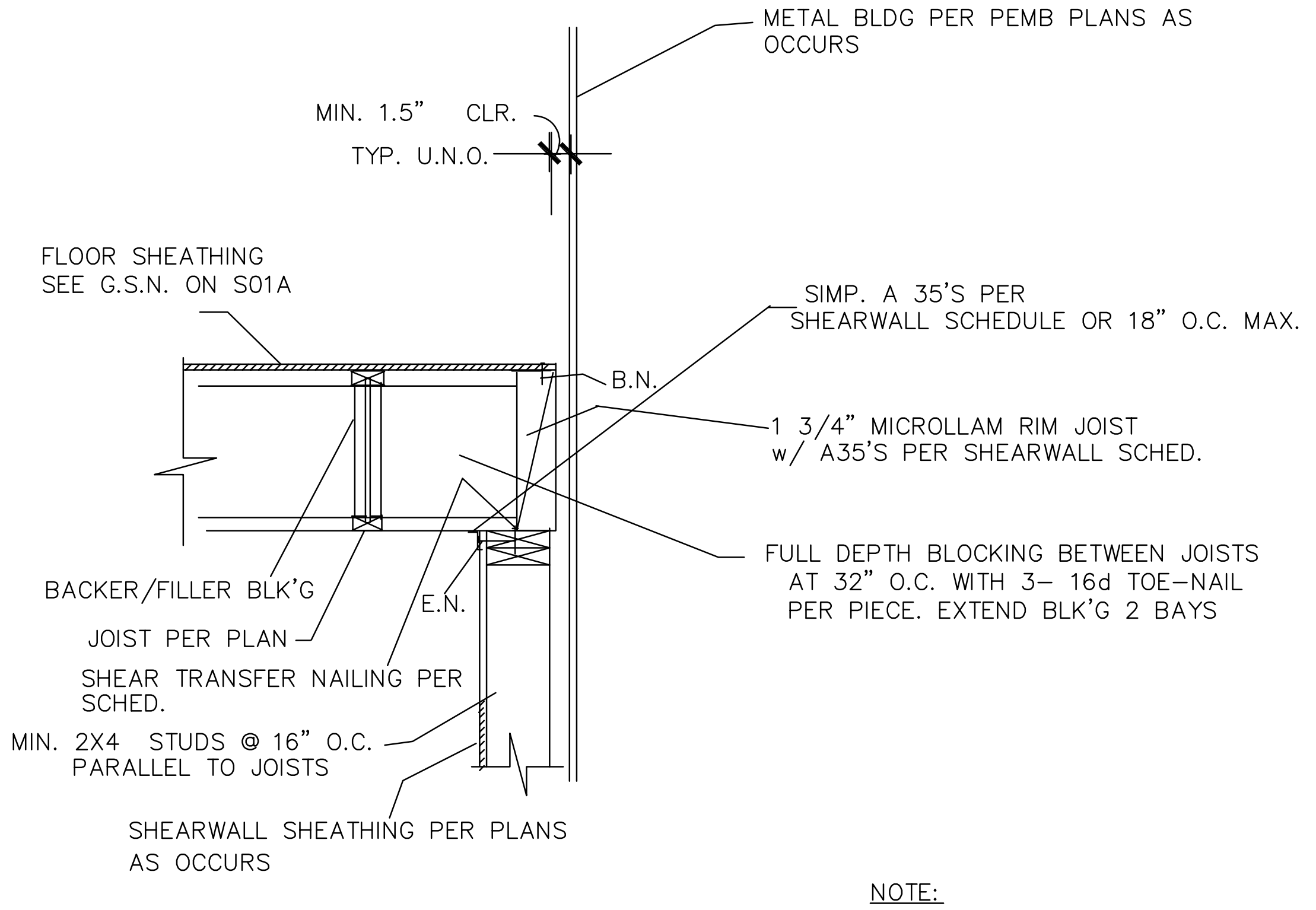
② TYPICAL MEZZANINE STUD WALL FOOTING

ANCHOR BOLTS IN CONTACT WITH PRESSURE TREATED SILL PLATE SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER–PER CBC SECTION 2304.9.5.1


METAL BLDG PER PEMB PLANS AS OCCURS
MIN. 1.5" CLR.
TYP. U.N.O.
FLOOR SHEATHING PER G.S.N ON S01A
FILLER/BACKER BLK'G PER MANUFACTURER
B.N.
SIMP. A 35'S PER SHEARWALL SCHEDULE OR 18" O.C. MAX.
FLOOR JOISTS
FULL DEPTH 1 3/4" MICROLLAM BLK'G BETWEEN JOISTS W/ BACKER BLK'G JOISTS NEED 5.5" BEARING DEPTH.
SHEAR TRANSFER NAILING PER SCHED.
EDGE NAILING
MIN. 2 X6 STUDS @ 12" O.C. PERP. TO JOISTS
BEAM AS OCCURS
SHEARWALL SHEATHING PER PLANS AS OCCURS

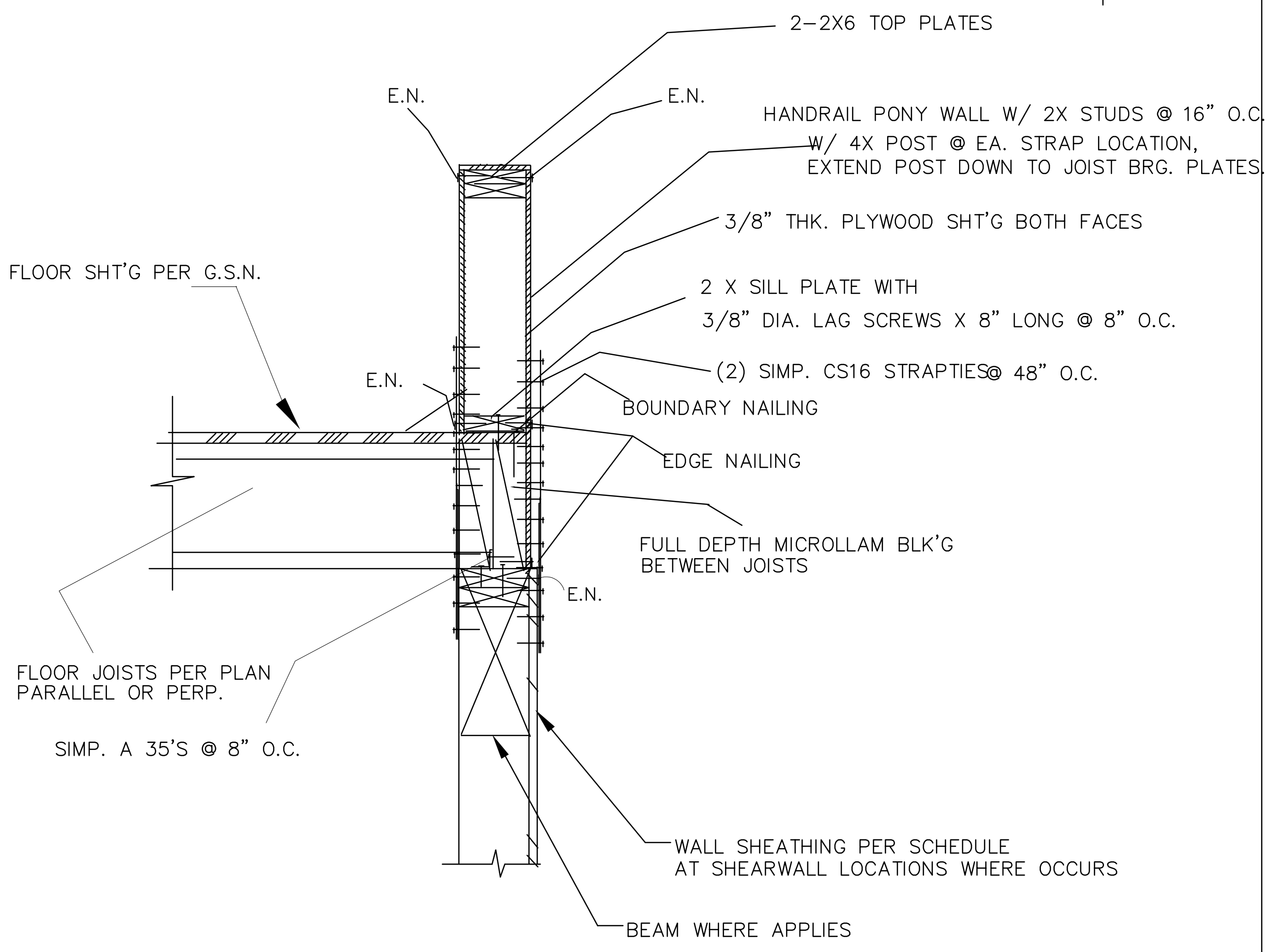
③ FLOOR JOISTS AT STUDWALL

B


METAL BLDG PER PEMB PLANS AS OCCURS
MIN. 1.5" CLR.
TYP. U.N.O.
FLOOR SHEATHING SEE G.S.N. ON S01A
SIMP. A 35'S PER SHEARWALL SCHEDULE OR 18" O.C. MAX.
B.N.
1 3/4" MICROLLAM RIM JOIST w/ A35'S PER SHEARWALL SCHED.
FULL DEPTH BLOCKING BETWEEN JOISTS AT 32" O.C. WITH 3– 16d TOE–NAIL PER PIECE. EXTEND BLK'G 2 BAYS
BACKER/FILLER BLK'G
E.N.
JOIST PER PLAN
SHEAR TRANSFER NAILING PER SCHED.
MIN. 2X4 STUDS @ 16" O.C. PARALLEL TO JOISTS
SHEARWALL SHEATHING PER PLANS AS OCCURS

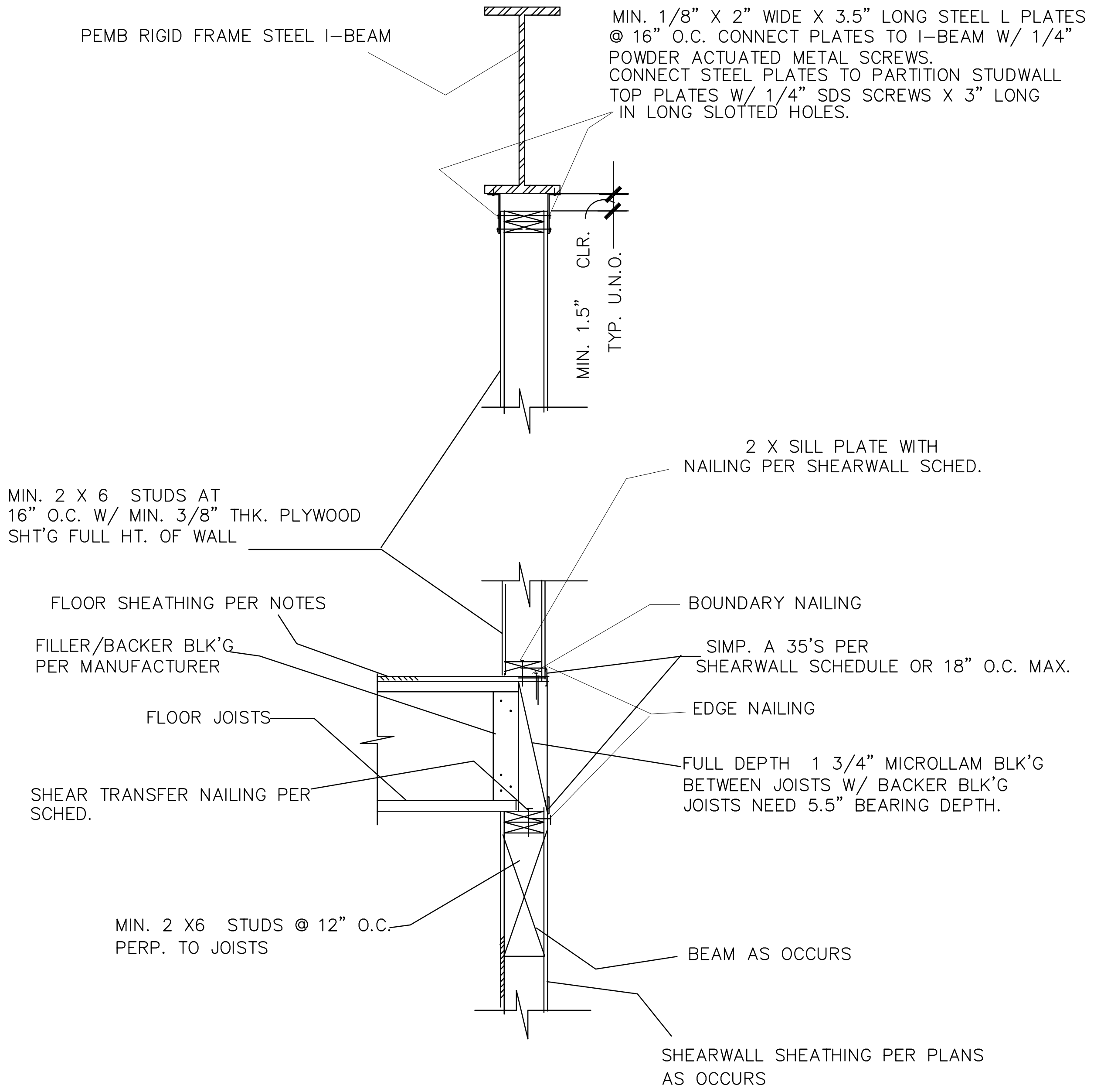
NOTE:
SEE SHEAR WALL SCHEDULE FOR INFO REGARDING CONNECTIONS AT SHEAR WALL LOCATIONS

④ FLOOR JOISTS AT STUDWALL

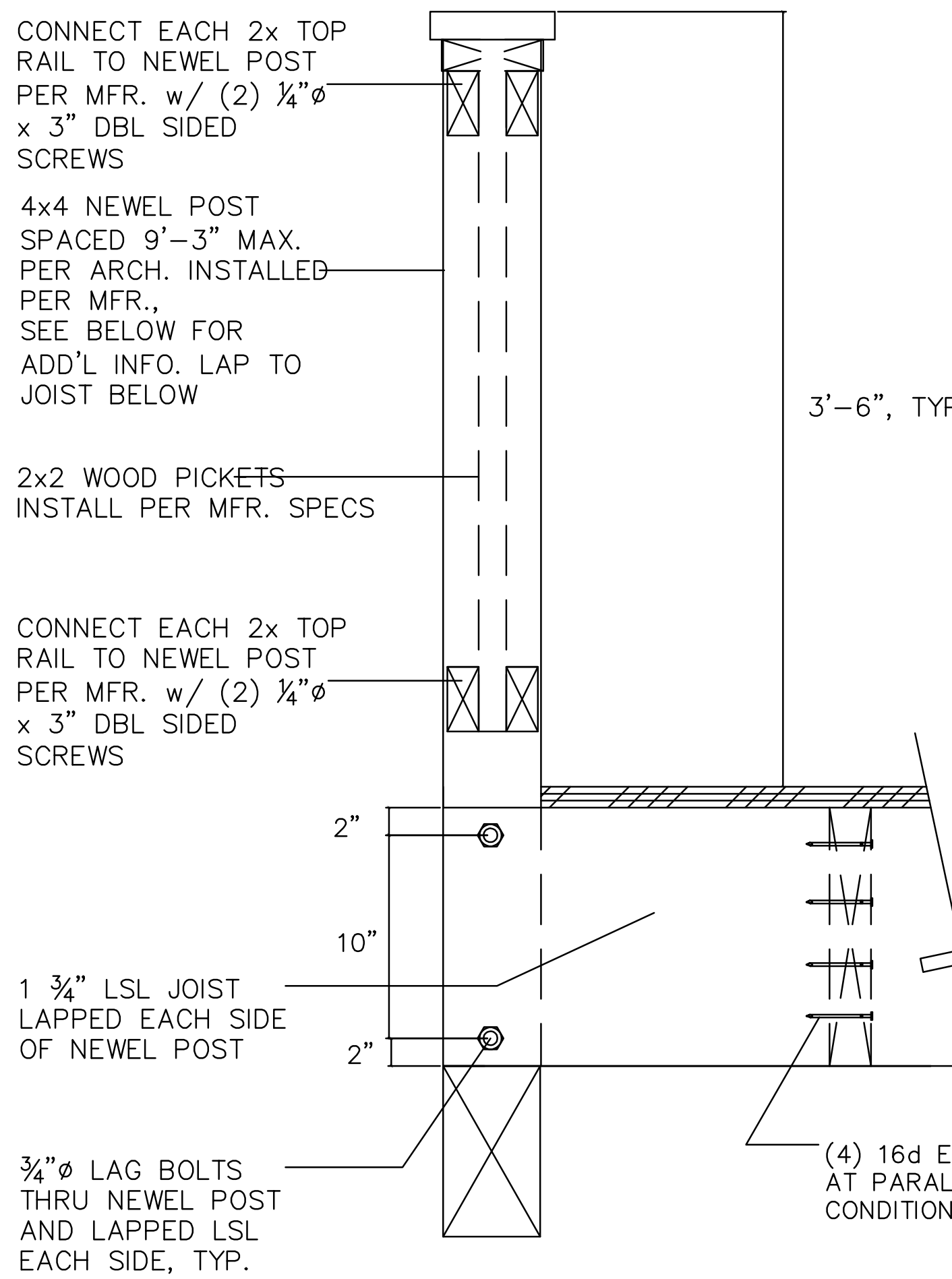

2–2X6 TOP PLATES
E.N.
E.N.
HANDRAIL PONY WALL W/ 2X STUDS @ 16" O.C. W/ 4X POST @ EA. STRAP LOCATION. EXTEND POST DOWN TO JOIST BRG. PLATES
3/8" THK. PLYWOOD SHT'G BOTH FACES
FLOOR SHT'G PER G.S.N.
2 X SILL PLATE WITH 3/8" DIA. LAG SCREWS X 8" LONG @ 8" O.C.
E.N.
(2) SIMP. CS16 STRAPTIES @ 48" O.C.
BOUNDARY NAILING
EDGE NAILING
FULL DEPTH MICROLLAM BLK'G BETWEEN JOISTS
E.N.
FLOOR JOISTS PER PLAN PARALLEL OR PERP.
SIMP. A 35'S @ 8" O.C.
WALL SHEATHING PER SCHEDULE AT SHEARWALL LOCATIONS WHERE OCCURS
BEAM WHERE APPLIES

⑤ FLOOR JOISTS AT STUDWALL W/ HANDRAIL

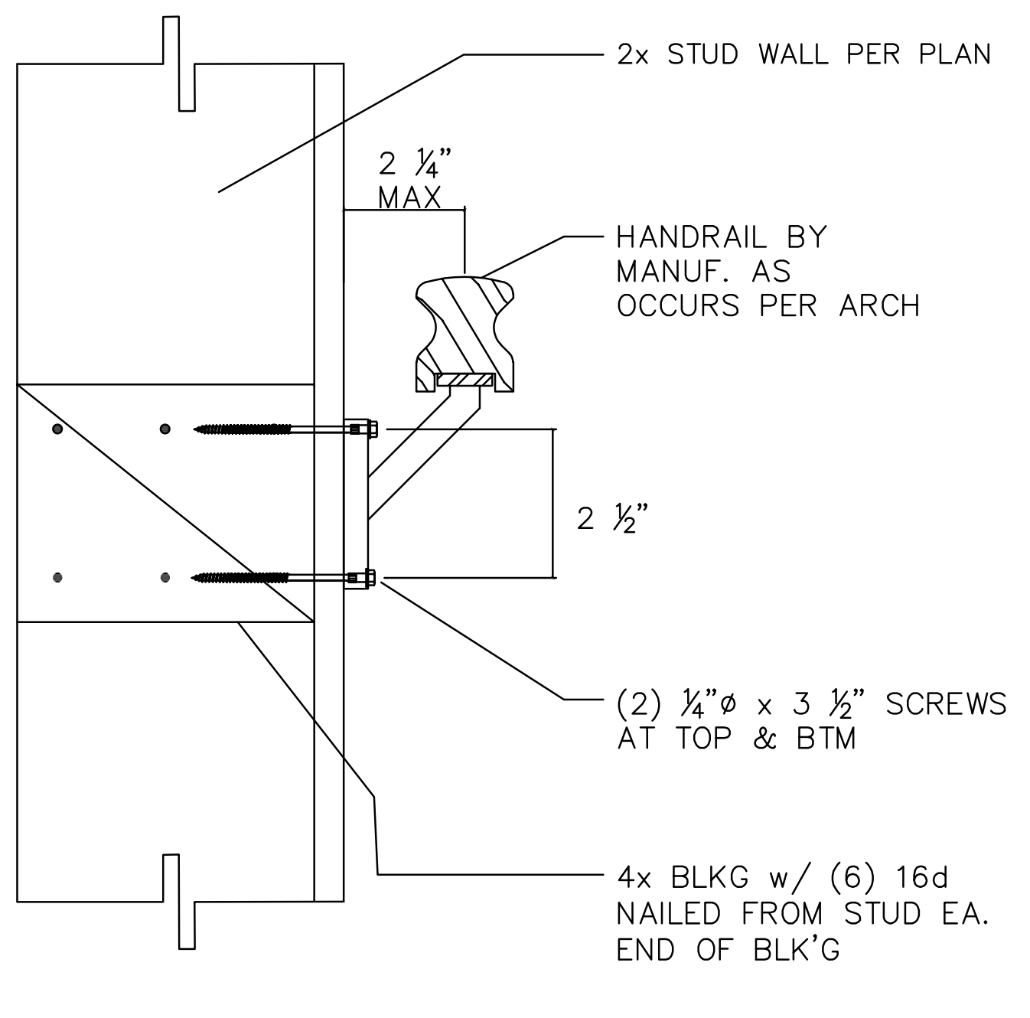
SEE DETAILS 3 & 4/S04 FOR ADDITIONAL INFORMATION.
SEE DETAIL 7/S04 FOR ADDITIONAL HANDRAIL CONNECTION DETAIL INFORMATION


PEMB RIGID FRAME STEEL I–BEAM
MIN. 1/8" X 2" WIDE X 3.5" LONG STEEL L PLATES @ 16" O.C. CONNECT PLATES TO I–BEAM W/ 1/4" POWDER ACTUATED METAL SCREWS. CONNECT STEEL PLATES TO PARTITION STUDWALL TOP PLATES W/ 1/4" SDS SCREWS X 3" LONG IN LONG SLOTTED HOLES.
MIN. 1.5" CLR. TYP. U.N.O.
2 X SILL PLATE WITH NAILING PER SHEARWALL SCHED.
MIN. 2 X 6 STUDS AT 16" O.C. W/ MIN. 3/8" THK. PLYWOOD SHT'G FULL HT. OF WALL
FLOOR SHEATHING PER NOTES
BOUNDARY NAILING
FILLER/BACKER BLK'G PER MANUFACTURER
SIMP. A 35'S PER SHEARWALL SCHEDULE OR 18" O.C. MAX.
FLOOR JOISTS
EDGE NAILING
FULL DEPTH 1 3/4" MICROLLAM BLK'G BETWEEN JOISTS W/ BACKER BLK'G JOISTS NEED 5.5" BEARING DEPTH.
SHEAR TRANSFER NAILING PER SCHED.
MIN. 2 X6 STUDS @ 12" O.C. PERP. TO JOISTS
BEAM AS OCCURS
SHEARWALL SHEATHING PER PLANS AS OCCURS

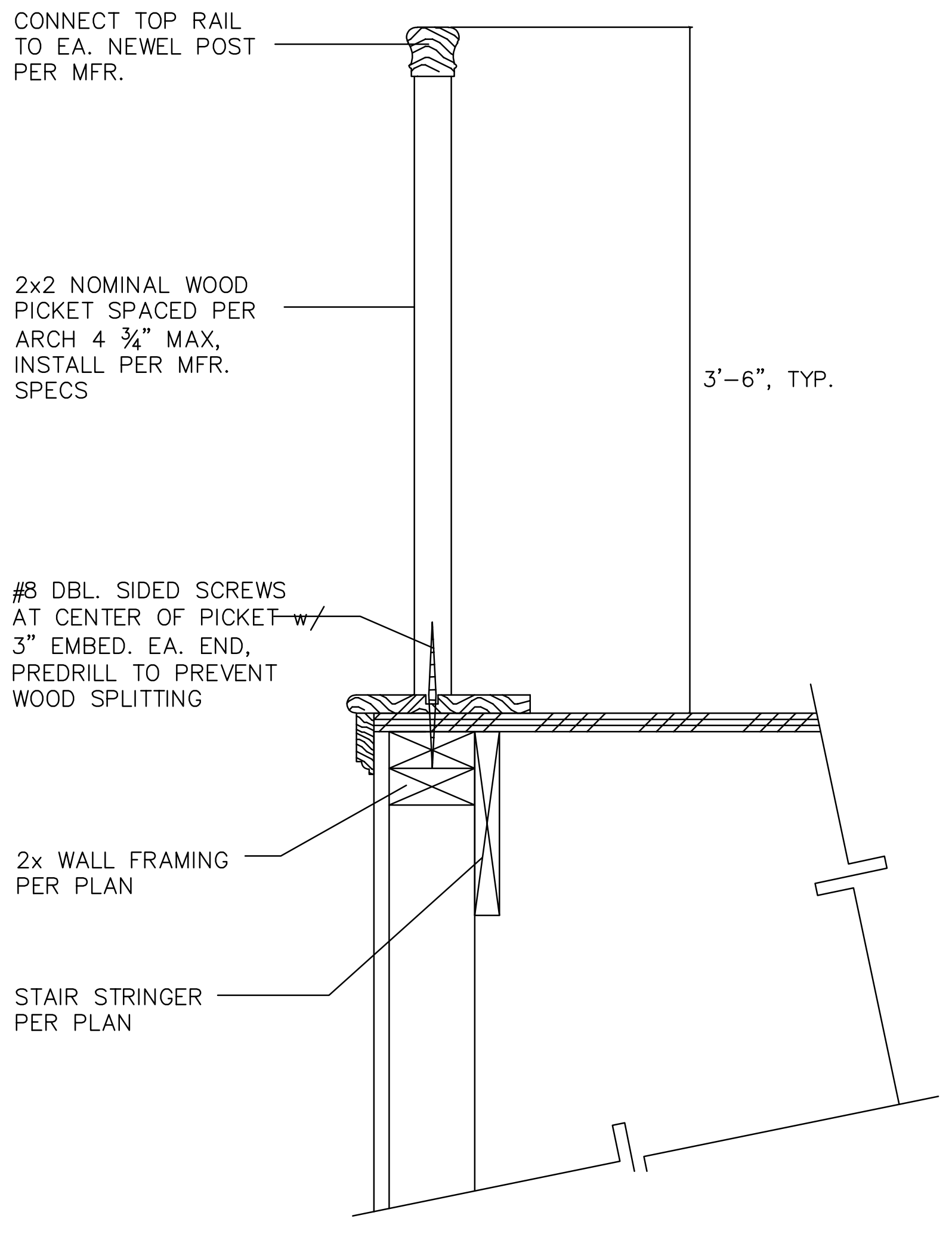
⑥ FLOOR JOISTS AT STUDWALL


CONNECT EACH 2x TOP RAIL TO NEWEL POST PER MFR. w/ (2) ¼"ø x 3" DBL SIDED SCREWS
4x4 NEWEL POST SPACED 9'–3" MAX. PER ARCH. INSTALLED PER MFR., SEE BELOW FOR ADD'L INFO. LAP TO JOIST BELOW
3'–6", TYP.
2x2 WOOD PICKETS INSTALL PER MFR. SPECS
CONNECT EACH 2x TOP RAIL TO NEWEL POST PER MFR. w/ (2) ¼"ø x 3" DBL SIDED SCREWS
2"
10"
2"
1 ¾" LSL JOIST LAPPED EACH SIDE OF NEWEL POST
¾"ø LAG BOLTS THRU NEWEL POST AND LAPPED LSL EACH SIDE, TYP.
(4) 16d END NAILS AT PARALLEL JOIST CONDITION

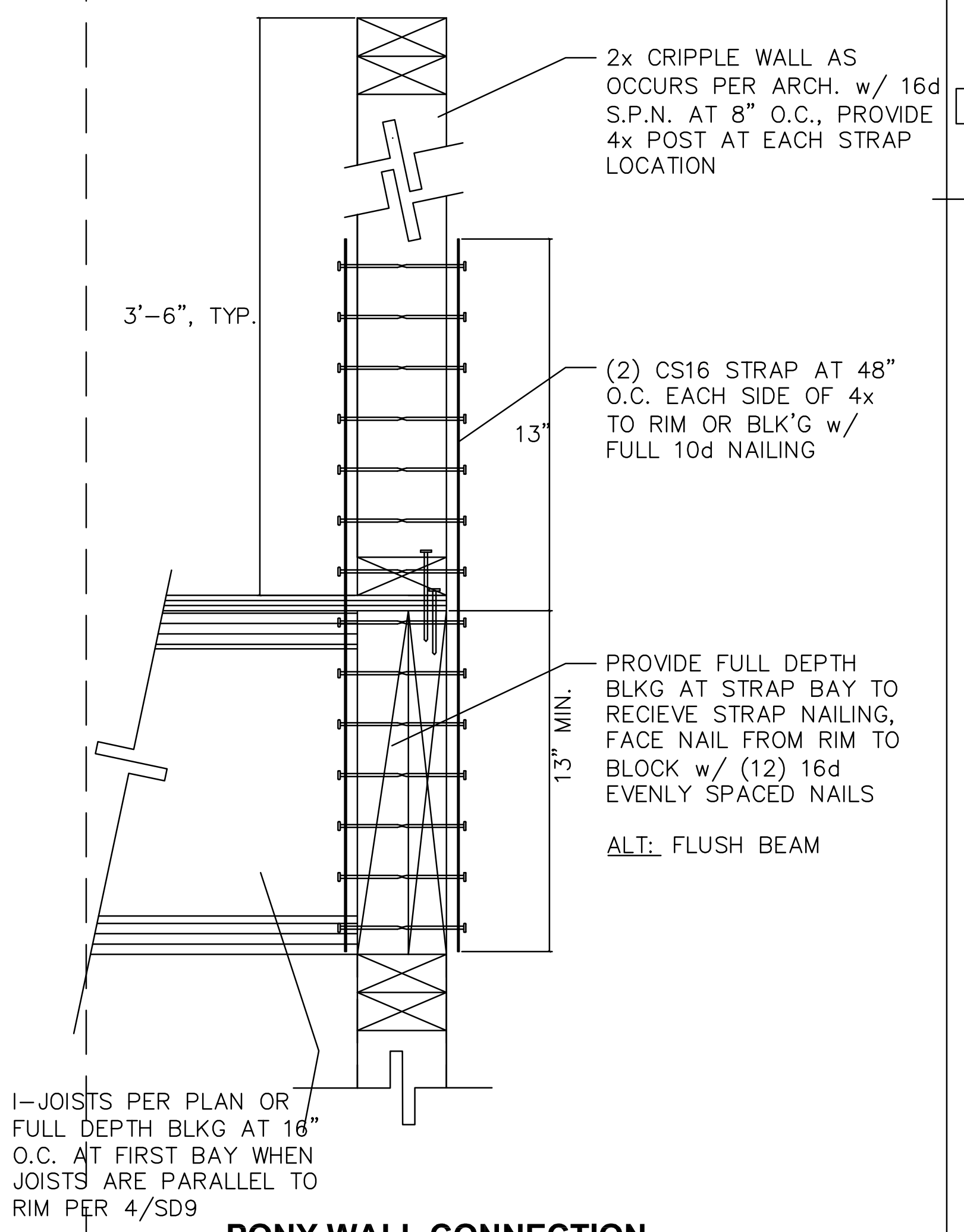
DECK BALUSTER CONNECTION


2x STUD WALL PER PLAN
2 ¼" MAX
HANDRAIL BY MANUF. AS OCCURS PER ARCH
2 ½"
(2) ¼"ø x 3 ½" SCREWS AT TOP & BTM
4x BLKG w/ (6) 16d NAILED FROM STUD EA. END OF BLK'G

HANDRAIL CONNECTION

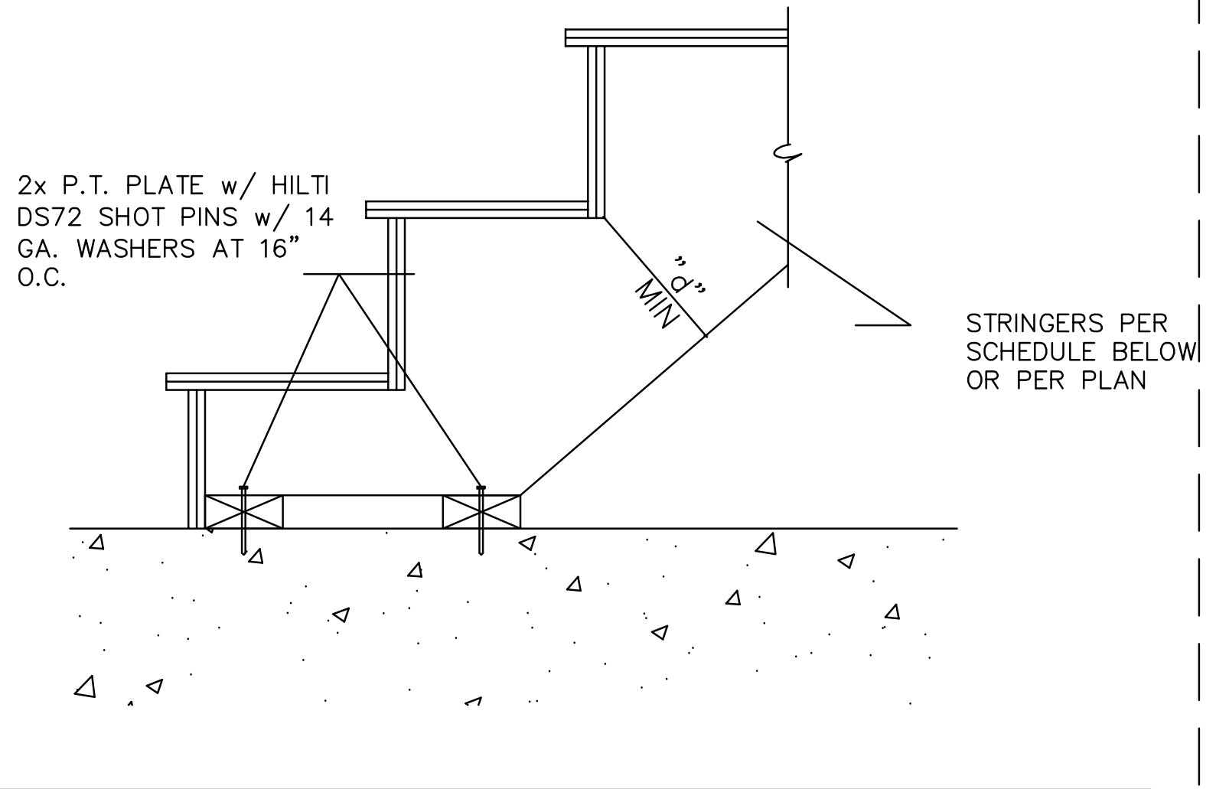

CONNECT TOP RAIL TO EA. NEWEL POST PER MFR.
2x2 NOMINAL WOOD PICKET SPACED PER ARCH 4 ¾" MAX. INSTALL PER MFR. SPECS
3'–6", TYP.
#8 DBL. SIDED SCREWS AT CENTER OF PICKET w/ 3" EMBED. EA. END, PREDRILL TO PREVENT WOOD SPLITTING
2x WALL FRAMING PER PLAN
STAIR STRINGER PER PLAN

STAIR GUARDRAIL CONNECTION

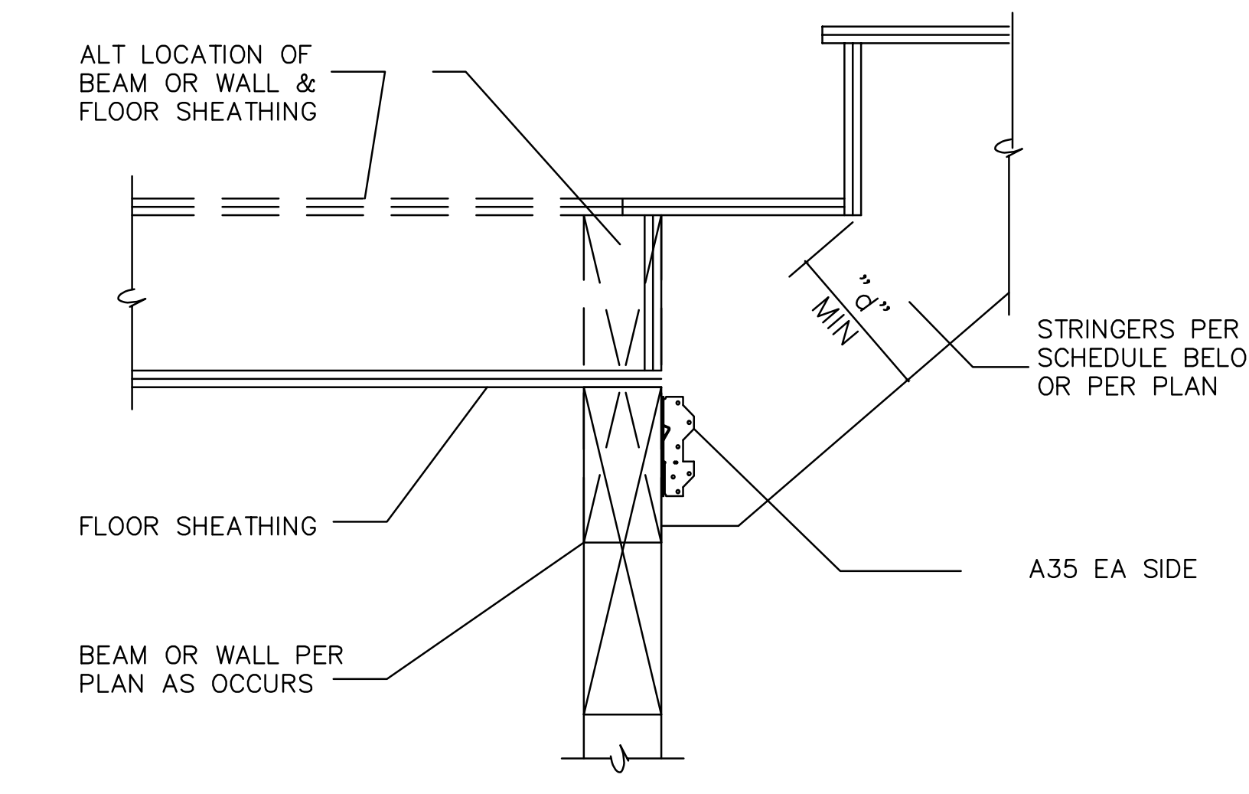

2x CRIPPLE WALL AS OCCURS PER ARCH. w/ 16d S.P.N. AT 8" O.C., PROVIDE 4x POST AT EACH STRAP LOCATION
3'–6", TYP.
13"
(2) CS16 STRAP AT 48" O.C. EACH SIDE OF 4x TO RIM OR BLK'G w/ FULL 10d NAILING
13" MIN.
PROVIDE FULL DEPTH BLKG AT STRAP BAY TO RECIEVE STRAP NAILING, FACE NAIL FROM RIM TO BLOCK w/ (12) 16d EVENLY SPACED NAILS
ALT: FLUSH BEAM
I–JOISTS PER PLAN OR FULL DEPTH BLKG AT 16" O.C. AT FIRST BAY WHEN JOISTS ARE PARALLEL TO RIM PER 4/SD9

PONY WALL CONNECTION

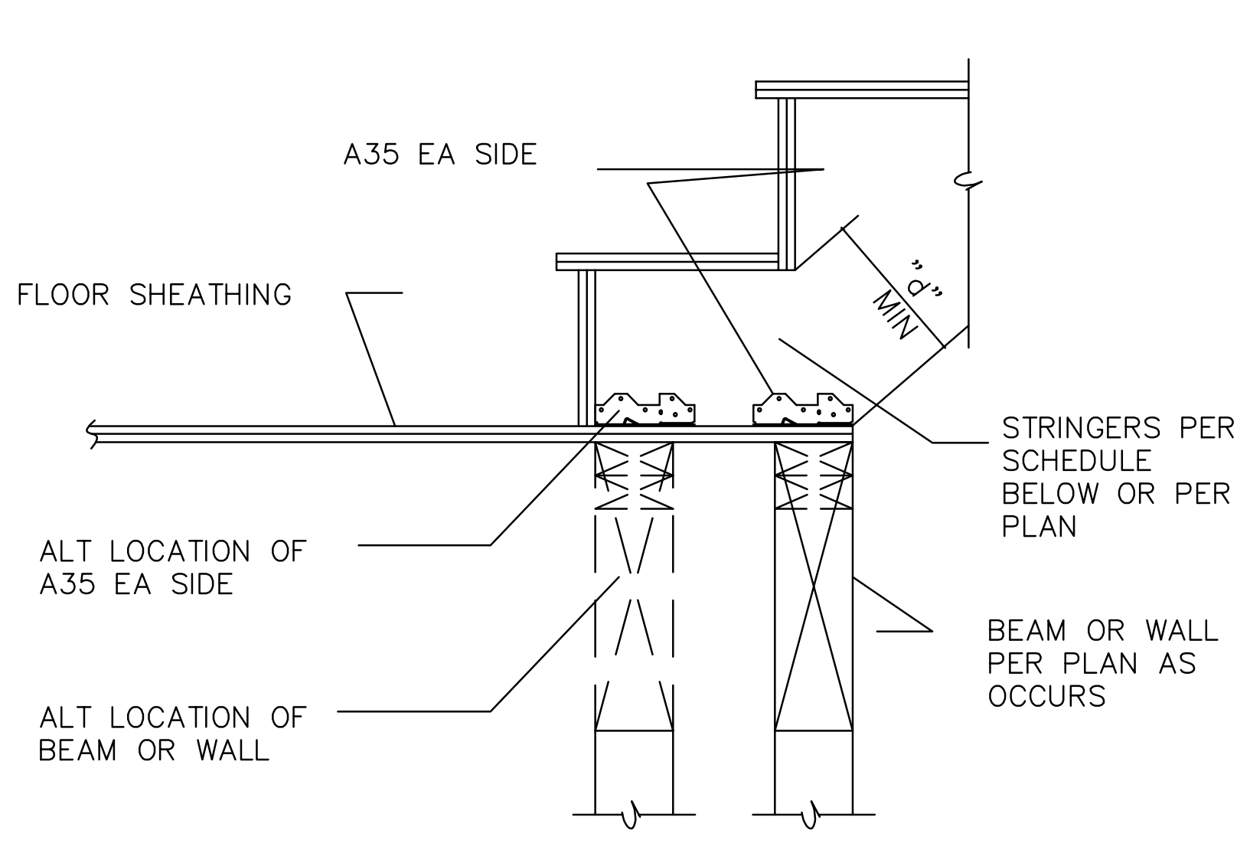
⑦ TYPICAL HANDRAIL AND GUARDRAIL DETAILS


2x P.T. PLATE w/ HILTI DS72 SHOT PINS w/ 14 GA. WASHERS AT 16" O.C.
"d" MIN
STRINGERS PER SCHEDULE BELOW OR PER PLAN

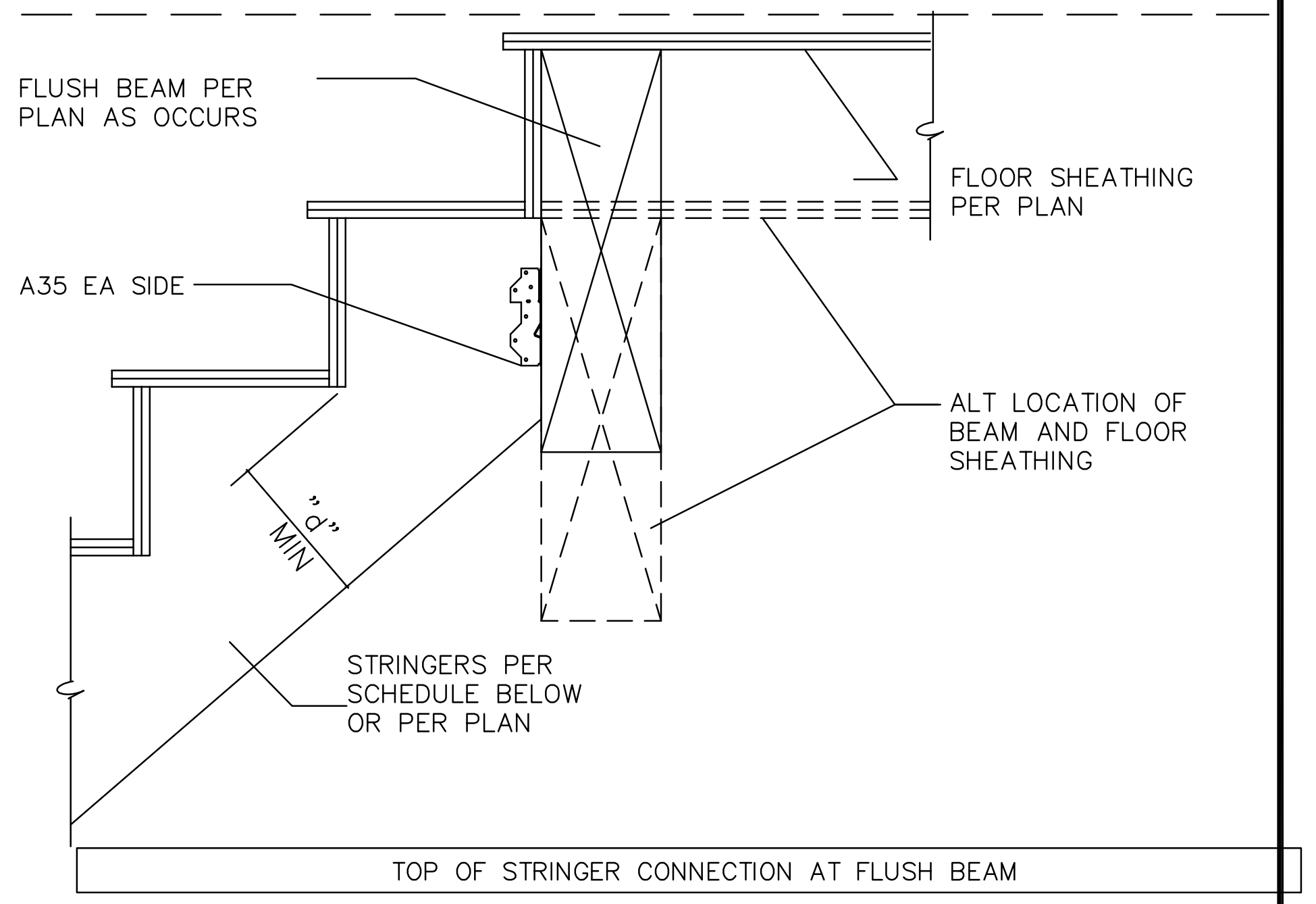
STRINGER CONNECTION AT CONCRETE SLAB


ALT LOCATION OF BEAM OR WALL & FLOOR SHEATHING
"d" MIN
STRINGERS PER SCHEDULE BELOW OR PER PLAN
FLOOR SHEATHING
A35 EA SIDE
BEAM OR WALL PER PLAN AS OCCURS

BOTTOM OF STRINGER CONNECTION AT BEAM OR WALL


A35 EA SIDE
FLOOR SHEATHING
"d" MIN
STRINGERS PER SCHEDULE BELOW OR PER PLAN
ALT LOCATION OF A35 EA SIDE
BEAM OR WALL PER PLAN AS OCCURS
ALT LOCATION OF BEAM OR WALL

BOTTOM STRINGER CONNECTION ON TOP OF SHEATHING


FLUSH BEAM PER PLAN AS OCCURS
FLOOR SHEATHING PER PLAN
A35 EA SIDE
ALT LOCATION OF BEAM AND FLOOR SHEATHING
"d" MIN
STRINGERS PER SCHEDULE BELOW OR PER PLAN

TOP OF STRINGER CONNECTION AT FLUSH BEAM

STRINGER SCHEDULE (100 PSF LL / 14 PSF DL)

MAX STRINGER RUN (SEE NOTE 1)	#	PRODUCT	"d"	COMMENTS
7'–0"	3	2x14 DFL #2	7"	–
8'–0"	4	2x14 DFL #2	7"	SEE NOTE 2
10'–0"	2	1 ¾" x 14" EWB	7 ⅞"	SEE NOTE 3
12'–0"	3	1 ¾" x 14" EWB	7 ⅞"	–
13'–0"	4	1 ¾" x 14" EWB	7 ⅞"	SEE NOTE 2

NOTE:
1. STRINGER RUN IS THE HORIZONTAL DIMENSION BETWEEN STAIRWAY SUPPORTS.
2. (2) ADJACENT STRINGERS CENTERED ON TREAD WIDTH MAY REPLACE (2) INTERIOR EVENLY SPACED STRINGERS
3. FOR USE AT 36" TREAD WIDTH OR LESS ONLY.

⑧ TYPICAL STAIR FRAMING CONNECTIONS

KONICKI ENGINEERING, INC
209 MAJESTIC VIEW DR.
ROCKWOOD, TN. 37854
PH: (951)-440-2177

MANISHA G. KONICKI
C 60035
Exp. 06/30/26
CIVIL

PROJECT ENGINEER:
MANISHA G. KONICKI

HAVEN
VINEYARDS
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE: 01-29-24
DRWN BY:
CHK'D BY: MGK
SCALE: PER PLAN

REVISIONS

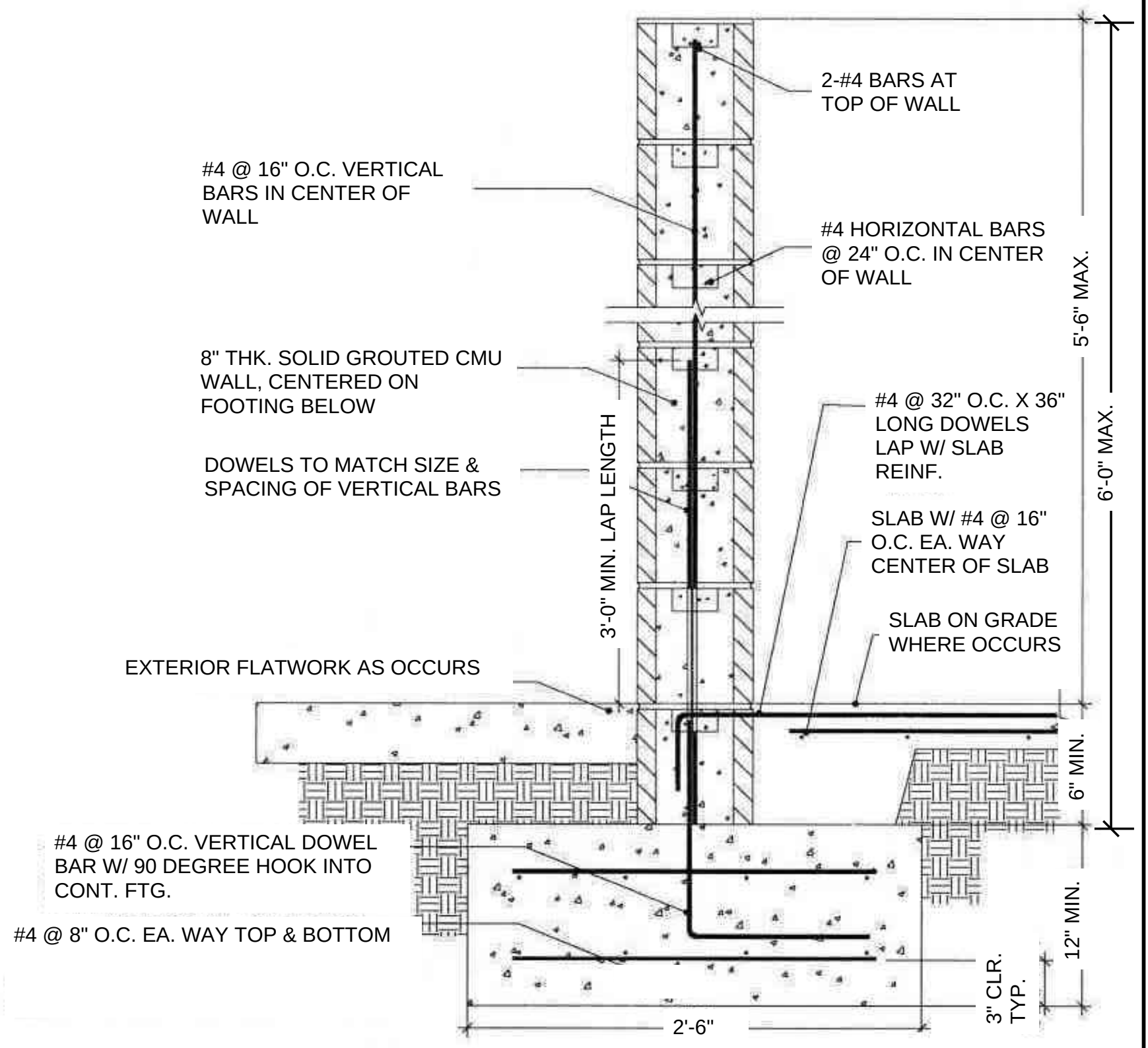
NO.	DATE	REMARKS
A	10-04-24	
B	11-21-24	

SHEET TITLE

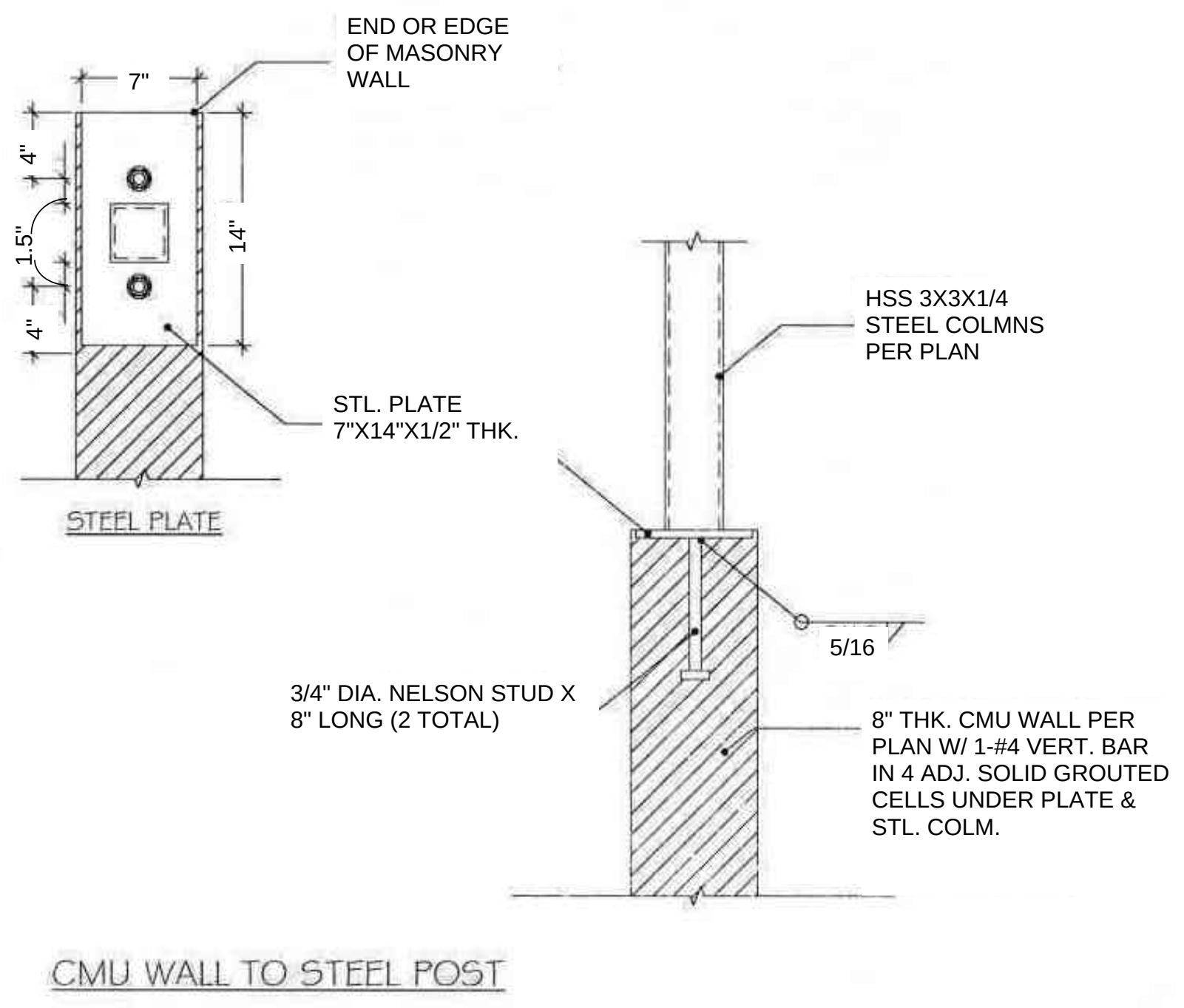
STRUCTURAL
DETAILS

SHEET NO.

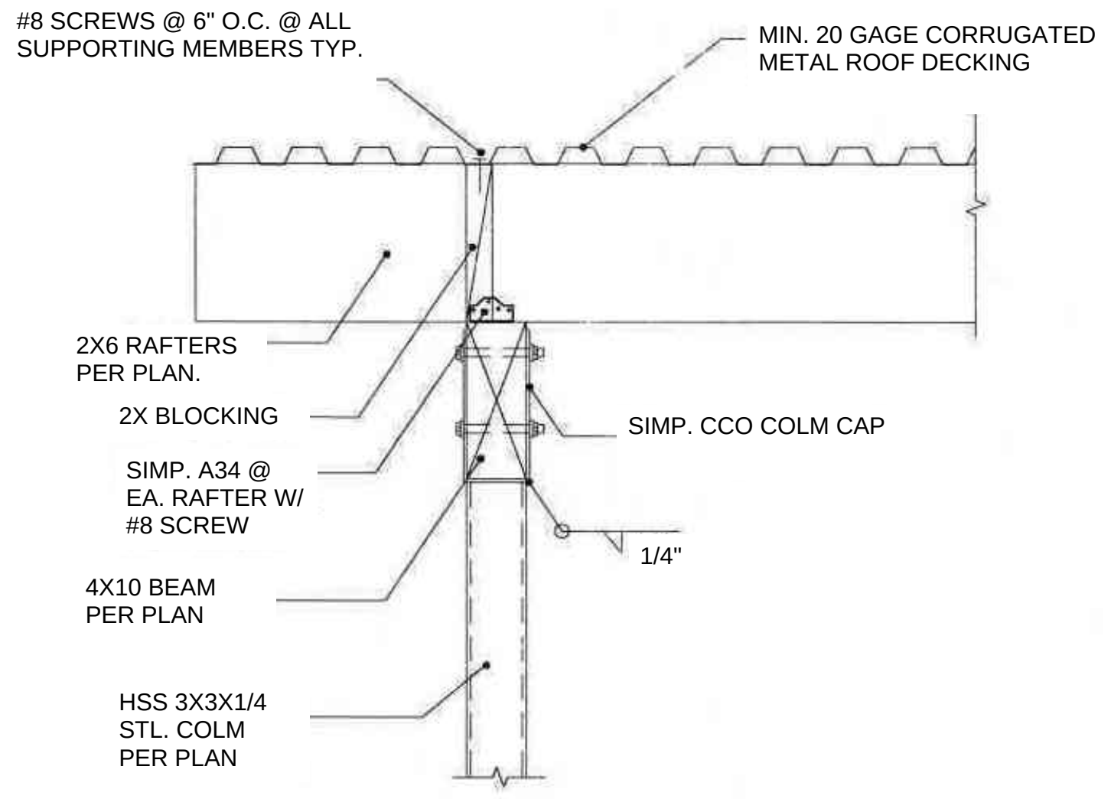
S04


2-#4 BARS AT TOP OF WALL
#4 @ 16" O.C. VERTICAL BARS IN CENTER OF WALL
#4 HORIZONTAL BARS @ 24" O.C. IN CENTER OF WALL
5'-6" MAX.
8" THK. SOLID GROUTED CMU WALL, CENTERED ON FOOTING BELOW
#4 @ 32" O.C. X 36" LONG DOWELS LAP W/ SLAB REINF.
6'-0" MAX.
DOWELS TO MATCH SIZE & SPACING OF VERTICAL BARS
3'-0" MIN. LAP LENGTH
SLAB W/ #4 @ 16" O.C. EA. WAY CENTER OF SLAB
SLAB ON GRADE WHERE OCCURS
EXTERIOR FLATWORK AS OCCURS
6" MIN.
#4 @ 16" O.C. VERTICAL DOWEL BAR W/ 90 DEGREE HOOK INTO CONT. FTG.
#4 @ 8" O.C. EA. WAY TOP & BOTTOM
12" MIN.
3" CLR. TYP.
2'-6"

① TRASH ENCLOSURE WALL + FOOTING


END OR EDGE OF MASONRY WALL
7"
4"
1.5"
4"
14"
STL. PLATE 7"X14"X1/2" THK.
STEEL PLATE
HSS 3X3X1/4 STEEL COLMNS PER PLAN
5/16
3/4" DIA. NELSON STUD X 8" LONG (2 TOTAL)
8" THK. CMU WALL PER PLAN W/ 1-#4 VERT. BAR IN 4 ADJ. SOLID GROUTED CELLS UNDER PLATE & STL. COLM.
CMU WALL TO STEEL POST

② TRASH ENCLOSURE POST TO WALL


#8 SCREWS @ 6" O.C. @ ALL SUPPORTING MEMBERS TYP.
MIN. 20 GAGE CORRUGATED METAL ROOF DECKING
2X6 RAFTERS PER PLAN.
2X BLOCKING
SIMP. CCO COLM CAP
SIMP. A34 @ EA. RAFTER W/ #8 SCREW
1/4"
4X10 BEAM PER PLAN
HSS 3X3X1/4 STL. COLM PER PLAN

③ TRASH ENCLOSURE TRELLIS TO BEAM

KONICKI ENGINEERING, INC
209 MAJESTIC VIEW DR.
ROCKWOOD, TN. 37854
PH: (951)-440-2177

MANISHA G. KONICKI
C 60035
Exp. 06/30/24

MGKonicki

PROJECT ENGINEER:
MANISHA G. KONICKI

HAVEN
VINEYARDS
41625 CAMINO DEL VINO
TEMECULA, CA. 92592

DATE: 01-29-24
DRWN BY:
CHK'D BY: MGK
SCALE: PER PLAN

REVISIONS

NO.	DATE	REMARKS
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△		
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SHEET TITLE

STRUCTURAL
DETAILS

SHEET NO.

S05

GENERAL NOTES

1.1 Fabrication shall be in accordance with R.G.B. standard practices in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the "AWS Structural Welding Code D1.1 and D1.3". R.G.B. manufacturing procedures are certified by:

Reference	Certification numbers
Houston	R.G.B. #456

1.2

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
Hot Rolled Steel Shapes (W, S, C & L)	A572/A529	Fy = 50 KSI
Hot Rolled Steel Shapes (W)	A992	Fy = 50 KSI
Round Structural Tubing (HSS)	A500	Fy = 42 KSI
Square/Rect. Structural Tubing (HSS)	A500	Fy = 46 KSI
Structural Steel Web Plate	A572/A1011	Fy = 55 KSI
Structural Steel Flange Plates/Bars	A529/A572	Fy = 55 KSI
Cold Formed Light Gage	A653/A1011	Fy = 55 KSI
Roof and Wall Sheets	A792/A653	Fy = 50, 80 KSI
Cable Brace	A475	Extra High Strength
Rod Brace	A36	Fy = 36 KSI
		MIN. TENSILE STRENGTH
Machine Bolts & Nuts	A307	Fu = 60 KSI
High Strength Bolts (1"ø and less)	F3125/Gr. A325–TYPE 1	Fu = 120 KSI
High Strength Bolts (>1"ø to 1 1/2"ø)	F3125/Gr. A325–TYPE 1	Fu = 105 KSI
Anchor Bolts (if supplied)	A36/A307/F1554 Gr.36	Fu = 58–80 KSI

1.3 PRIMER
Shop primer paint is a rust inhibitive primer which meets the end performance of Federal Specification SSPC No. 15 and is R.G.B. Red or Gray Oxide color. This paint is not intended for long term exposure to the elements. R.G.B. is not responsible for any deterioration of the shop primer paint as a result of improper handling and/or jobsite storage. R.G.B. shall not be responsible for any field applied paint and/or coatings. (Section 6.5 AISC Code of Standard Practice, 16th Edition). Nominal thickness of primer will be 1 mil unless otherwise specified in contract documents.

1.4 GALVANIZED OR SPECIAL COATINGS:
See Contract Documents

1.5 ALL BOLTS ARE 1/2"ø x 0'–1" A307 (snug–tightened) EXCEPT :
a) Eave strut connection – 1/2"ø x 0'–1 1/4" A307 without washer (unless noted otherwise)
b) Endwall rafter splice – 5/8"ø x 0'–1 3/4" F3125/Gr. A325–N with washer
c) Endwall column to rafter connection – 1/2"ø x 0'–1 1/4" F3125/Gr. A325–N
d) Main frame moment splice connections – F3125/Gr. A325–N with washer, SEE CROSS SECTION for dimensions.

NOTE: One (01) washer is supplied on main frame moment splice and to A325 bolts unless noted otherwise on drawing

1.6 F3125/Gr. 325 BOLT TIGHTENING REQUIREMENTS
All high strength bolts are F3125/Gr. A325–N unless specifically noted otherwise. Structural bolts shall be tightened by the turn–of–the–nut or calibrated wrench methods in accordance with the 16th Edition AISC/RCSC "Specification For Structural Joints using ASTM F3125/Gr. A325 or A490 Bolts". Washers are supplied separately from High Strength Bolts, however, assembly with washers are required before erection. Installaltion inspection is recommended and be based on Section 9.1 and 9.2 of AISC/RCSC.

Snug–tight is permitted EXCEPT for the following conditions:
a) Building located in high seismic areas; Seismic Design Categories D, E, F
b) Building supporting cranes
c) Building supporting machinery that creates vibration, impact or stress reversal
d) Connections using ASTM A490
e) Connections using slip–critical condition
f) or as prohibited in the contracts/specifications

1.7 CLOSURE STRIPS ARE FURNISHED FOR APPLICATION:
INSIDE– Under roof panels at eave
OUTSIDE – Between endwall panels and rake trim
– Under continuous ridge vent skirts

1.8 ERECTION NOTE:
All bracing, strapping, & bridging shown and provided by R.G.B. for this building is required and shall be installed by the erector as a permanent part of the structure. If additional bracing is required for stability during erection, it shall be the erector's responsibility to determine the amount of such bracing and to procure and install as needed.

1.9 ERECTION AND UNLOADING NOT BY R.G.B.

1.10 SHORTAGES
Any claims or shortages by buyer must be made to R.G.B. within five (5) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed.

1.11 CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)
Claims for correction of alleged misfits will be disallowed unless R.G.B. shall have received prior notice thereof and allowed reasonable inspection of such misfits. The correction of minor misfits by the use of drift pins to draw the components into line, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the Building may be returned for alleged misfits without the prior approval of R.G.B.

BUYER/END USE CUSTOMER RESPONSIBILITIES

2.1 It is the responsibility of the BUYER/END USE CUSTOMER to obtain appropriate approvals and secure necessary permits from City, County, State, or Federal Agencies as required, and to advise/release R.G.B. to fabricate upon receiving such.

2.2 Rigid Global Buildings (hereafter referred to as R.G.B.) standard specifications apply unless stipulated otherwise in the Contract Documents. R.G.B. design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both Parties that the BUYER/END USE CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications.

2.3 In case of discrepancies between R.G.B. structural steel plans and plans for other trades, R.G.B. plans shall govern. (Section. 3 AISC Code of Standard Practices, 16th Edition)

2.4 Approval of R.G.B. drawings and calculations indicates that R.G.B. has correctly interpreted and applied the Contract Documents. This approval constitutes the contractor/owners acceptance of the R.G.B. design concepts, assumptions, and loading. (Section 4 AISC Code 15th Edition and MBMA 3.3.3)

2.5 Once the BUYER/END USE CUSTOMER has signed R.G.B. Approval Package and the project is released for fabrication, changes shall be billed to the BUYER/END USE CUSTOMER including material, engineering and other costs. An additional fee may be charged if the project must be moved from the fabrication and shipping schedule.

RIGID
GLOBAL BUILDINGS

DRAWING PACKAGE

SALES NO.	75886	JOB NO.	167835	BUILDING	A
CUSTOMER	SEMPER FI STEEL BUILT LLC				
END USER	HAVEN VINEYARDS				
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE				
STREET	41625 CAMINO DEL VINO				
CITY ST ZIP	TEMECULA, CA 92592				
COUNTY	RIVERSIDE				

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

DESIGN LOADS:

Design Code : CBC 22 / IBC 21
Dead Load (psf) : Metal building structure only by RGB
Collateral Load (psf) : 7 (*)
(*) The structure will support the dead load of water–filled fire sprinkler system.

Wind Load
Basic Design Wind Speed : V (3 sec. gust) = 96 mph
Allowable (Nominal) Stress Design Wind Speed : Vasd (3 sec. gust) = 74.36 mph
Risk Category : II – Normal
Wind Exposure : C
Internal Pressure Coefficient, GCPi : 0.180 /–0.180
Design Wind Pressure For Wall : Based on Allowable Stress Design Wind Speed
Components Wind Pressure (psf) : 10.29
Components Wind Suction (psf) : –11.31
Claddings Wind Pressure (psf) : 12.10
Claddings Wind Suction (psf) : –13.12
Enclosure : Closed
Live Load
Primary Framing (psf) : 20.00
Trib. Area Reduction : Yes
Secondary Framing (psf) : 20.00
Snow Load
Ground Snow Load, Pg (psf) : 0.000
Roof Snow Load, Pf (psf) : 0
Sloped Roof Snow Load, Ps (psf) : 0
Snow Exposure Factor, Ce : 1.000
Snow Importance Factor, Is : 1.000
Thermal Factor, Ct : 1.000
Sloped Factor, Cs : 1.000
Seismic Load
Seismic Importance Factor, Ie : 1.00
Seismic Occupancy Category : II – Normal
Site Class : D
Mapped Spectral Response Acceleration : Ss = 1.622 :S1 = 0.604
Spectral Response Coefficients : Sds = 1.277 :Sd1 = 0.680
Seismic Design Category : D
Basic Force Resisting Systems Used
Rigid Frames–OSMF : Ordinary Steel Moment Frames
Bracings–OSCBF : Ordinary Steel Concentrically Braced Frames
Total Design Base Shear, V (kips) : Longitudinal= 21.16 Transverse= 25.67
Response Modification Factors, R : Rigid Frames = 3.25
: SW X–Bracing = 3.25
Seismic Response Coefficient, Cs : Rigid Frames = 0.333
: SW X–Bracing = 0.333
Analysis Procedure Used : Equivalent Lateral Force Procedure
Rainfall Intensity (in/hr) 2:340
DESIGN AND DETAIL REQUIREMENTS : DEFLECTION LIMIT :
Rafter – L/180
Purlins – L/150
Girts/Spandrel – L/120 (Metal)
– L/240 (Masonry/Plywood)
Endwall Column – L/240
Lateral Drift – H/240
: GABLE EXTENSION – 1'–6"
: EAVE EXTENSION – 2'–0"
: ROOF IS 24GA MCELROY MEDALLION–LOK, 12" WIDE
: WALL IS 24GA MBCI DESIGNER SERIES

BUILDING DESCRIPTION:

Width (ft) : 40
Length (ft) : 70
Eave Ht. at BSW (ft) : 14
Eave Ht. at FSW (ft) : 14
Roof Slope at BSW : 6.0:12
Roof Slope at FSW : 6.0:12
Bay Spacing (ft) : 1 at 25.5
1 at 25
1 at 19.5

COVERING AND TRIMS:

Roof Panels & Trims
Panel Type : 24 Ga. MCELROY MEDALLION–LOK 12" WIDE
Panel Color : KYNAR 500 – MATT BLACK
Trim Colors
Eave Trim : S2000 Premium
Eave Gutter : S2000 Premium
Gable Trim : S2000 Premium
Wall Panel & Trims
Panel Type : 24 Ga. MBCI DESIGNER SERIES 16"
Panel Color : SIGNATURE 200 CHARCOAL GRAY
Trim Colors
Corner Trims : S2000 Premium
Opening Trims : S2000 Premium
Downspouts : S2000 Premium
Base Trim : ––
Mas. Flash : ––
Special Requirements : NONE

FOR PERMIT

Before erecting your building, please see the Rigid Erection & Safety Manual at rigidbuilding.com/document–library

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2.6 The BUYER/END USE CUSTOMER is responsible for overall project coordination. All interface, compatibility, and design considerations concerning any materials not furnished by R.G.B. and R.G.B. steel system are to be considered and coordinated by the BUYER/END USE CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or R.G.B. assumptions will govern (Section 4 and Commentary, AISC Code of Standard Practice, 16th Edition)

2.7 It is the responsibility of the BUYER/END USE CUSTOMER to ensure that R.G.B. plans comply with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that R.G.B. or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components furnished by R.G.B.

2.8 The BUYER/END USE CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with R.G.B. "For Construction" drawings only. Temporary supports such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined furnished and installed by the erector. No items should be purchased from a preliminary set of drawings, including anchor bolts. Use only final "FOR CONSTRUCTION DRAWINGS" for this use. (Section 7 AISC Code of Standard Practice, 16th Edition.)

2.9 Rigid Global Buildings is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete, anchor bolt embedment or the adequacy of the anchor bolt in relation to the concrete.

Unless otherwise provided in the Order Documents, R.G.B. does not design and is not responsible for the design, material and construction of the foundation or foundation embedments. The END USE CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site.
It is recommended that the anchorage/anchor bolt embedment and foundation of the building be designed by a Registered Professional Engineer experienced in the design of such structures. (Chapter IV Section 3.2.2 Metal Building Systems Manual 2018 Edition)

2.10 Normal erection operations include the corrections of minor misfits by moderate amounts of reaming, chipping, welding or cutting, and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in member configuration are to be reported immediately to R.G.B. by the BUYER/END USE CUSTOMER, to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others. (Section 7 AISC Code of Standard Practice, 16th Edition)

2.11 Neither the fabricator nor the BUYER/END USE CUSTOMER will cut, drill or otherwise alter his work, or the work of other trades, to accommodate other trades, unless such work is clearly specified in the contract documents. Whenever such work is specified, the BUYER/END USE CUSTOMER is responsible for furnishing complete information as to materials, size, location and number of alterations prior to preparation of shop drawings. (Section 7 AISC Code of Standard Practice, 16th Edition)

2.12 WARNING In no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run–off from copper flashing, wiring, or tubing onto Galvalume should be avoided.

2.13 SAFETY COMMITMENT Rigid Global Buildings has a commitment to manufacture quality building components that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of R.G.B.
It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State, and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees.
Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

2.14 Roof drainage systems (gutter, downspouts, etc.) must be free of any obstruction to ensure smooth operation at any given time.

2.15 It is recommended by Factory Mutual (Reference: B2.44) that roofs be cleared of snow when half of the maximum snow depth is reached. The maximum snow depth can be estimated based on the design snow load and the density of snow and/or ice buildup. See Chart below.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
30	17.90	8.95
40	19.20	9.60
50	20.50	10.25
60	21.80	10.90
70	23.10	11.55
80	24.40	12.20

NOTE:
For Snow/Ice Removal Procedure, Refer to Metal Building System Manual 2012 Edition, Section A9.4, Page A–59

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
09/28/2026
CIVIL
STATE OF CALIFORNIA

CUSTOMER:	SEMPER FI STEEL BUILT LLC								
SALES NO.:	75886	JOB NO.:	167835	BUILDING:	A	DWG. NO.:	C01 OF 4	ISSUE:	B

UNLOADING, HANDLING AND STORING OF MATERIALS

STRUCTURAL

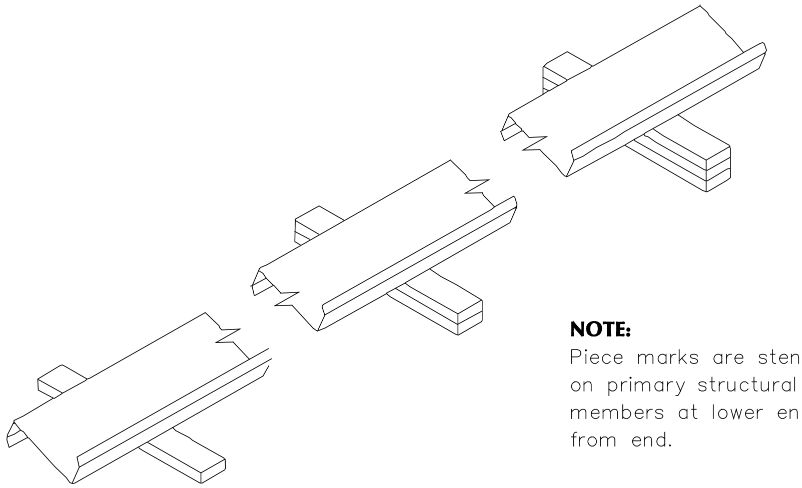
A great amount of time and trouble can be saved if the building site is according to a pre-arranged plan. Proper location and handling of components will eliminate unnecessary handling.

Inspect all shipments prior to releasing the tie-downs for loads that may have shifted during transit, **REMEMBER, SAFETY FIRST!**

Blocking under the columns and rafters protects the splice plates and the slab from damage during the unloading process. It also facilitates the placing of slings or cables around the members for later lifting and allows members to be bolted together into sub-assemblies while on the ground. Extra care should always be exercised in the unloading operations to prevent injuries from handling the steel and to prevent damage to materials and the concrete slabs.

If water is allowed to remain for extended periods in bundles of primed parts such as girts, purlins etc., the pigment will fade and the paint will gradually soften, reducing the bond to the steel. Therefore, upon receipt of a job, all bundles of primed parts should be stored at an angle to allow any trapped water to drain away and permit air circulation for drying. Puddles of water should not be allowed to collect and remain on columns, rafters or beams for the same reason.

All Primer should be touched up as required before erection!



NOTE:
Piece marks are stenciled on primary structural members at lower end, 1'-0" from end.

WALLS AND ROOF PANELS

RIGID's wall and roof panels including color coated, galvalume and galvanized, provide excellent service under widely varied conditions. All unloading and erection personnel should fully understand that these panels are quality merchandise which merit cautious care in handling.

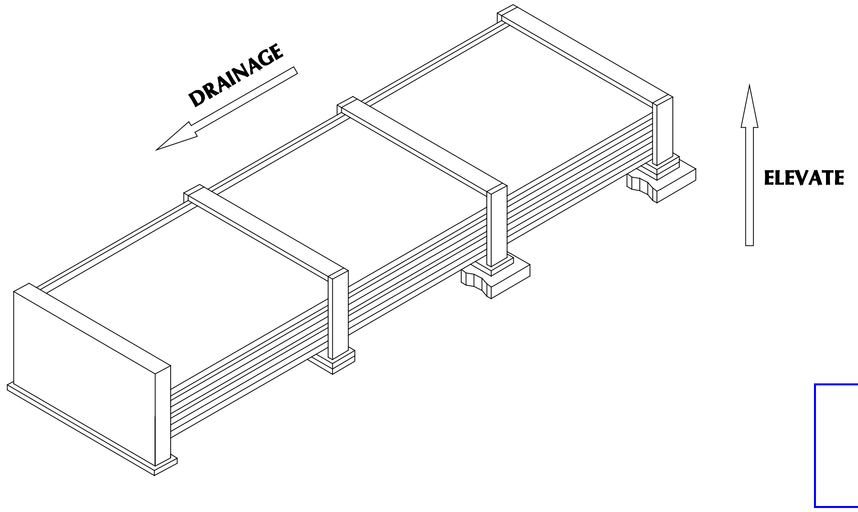
Under no circumstances should panels be handled roughly. Packages of sheets should be lifted off the truck with extreme care taken to insure that no damage occurs to ends of the sheets or to side ribs. The packages should be stored off the ground sufficiently high to allow air circulation underneath the packages. This avoids ground moisture and deters people from walking on the packages. One end of the package should always be elevated to encourage drainage in case of rain.

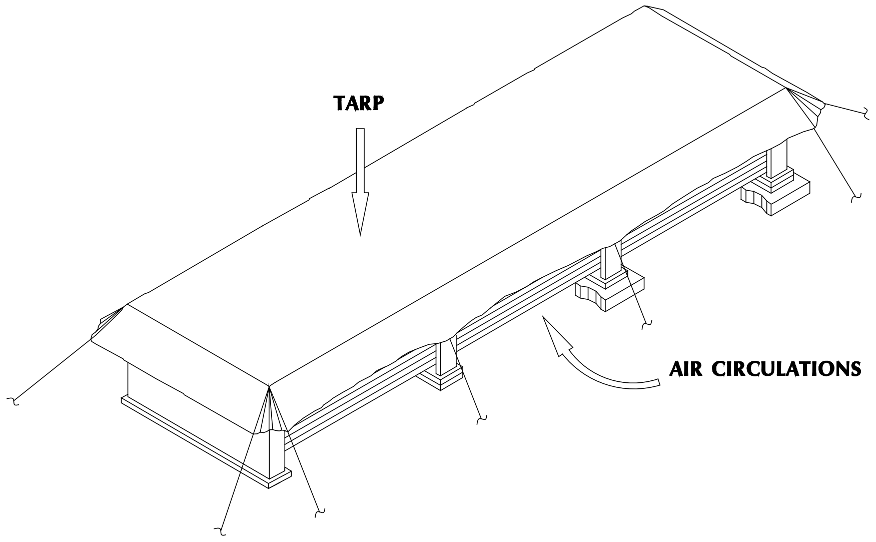
All stacked metal panels are subject, to some degree, to localized discoloration or stain when water is trapped between their closely nested surfaces. RIGID exercises extreme caution during fabricating and shipping operations to insure that all panel stock is kept dry. However, due to climatic conditions, water formed by condensation of humid air can be trapped between stacked sheets. Water can also be trapped between stacked sheets when exposed to rain. This discoloration caused by trapped moisture is often called wet storage stain.

The stain is usually superficial and has little effect on the appearance or service life of the panels as long as it is not permitted to remain on the panels. However, moisture in contact with the surface of the panels over an extended period can severely attack the finish and reduce the effective service life. Therefore, it is imperative that all panels be inspected for moisture upon receipt of the order. If moisture is present, dry the panels at once and store in a dry, warm place.

CAUTION: Care should always be taken when walking on panels. Use saftey lines and nets when necessary! Panels are slippery. Oil or wax applied to the roof and wall panels for protection against weather damage will make them a very slippery surface. Wipe dry any oil that has puddled from bundles stored on a slope. Dew, frost, or other forms of moisture greatly increase the slipperiness of the panels. Always assume panel surface is slippery and act accordingly. **Think safety!!**

Use wood blocking to elevate and slope the panels in a manner that will allow moisture to drain. Wood blocking placed between bundles will provide additional air circulation. Cover the stacked bundles with a tarp or plastic cover leaving enough opening at the bottom for air to circulate.





When handling or uncrating the panels, lift, rather than slide, them apart. Burred edges may scratch the coated surfaces when sheets are slid over one another. Never allow panels to be walked on while on the ground.

Rough and improper handling of a panel is inexcusable and a prime example of poor job supervision.

NOTE:
Use gloves when handling metal panels to prevent hand injuries. Be aware, of the dangers of handling panels on a windy day. A large panel can catch enough wind to knock a worker off his feet, even at ground level!! **Safety first!**

GENERAL NOTE:
1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING THE ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

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CUSTOMER: SEMPER FI STEEL BUILT LLC				
SALES NO.: 75886	JOB NO.: 167835	BUILDING.: A	DWG. NO.: C02 OF 4	ISSUE: B

LEGENDS & ABBREVIATIONS

DESIGN:

Accel.	Acceleration
Coeff.	Coefficient
CL, Collat	Collateral Load
DL, Dead	Dead Load
H, Horz, Horiz	Horizontal
L	Left
LL, Live	Live Load
LnWnd, LnWind, LWIND	Longitudinal Wind Load
Min, min	Minimum
Max, max	Maximum
R	Right
SL	Snow Load
Slide	Sliding Snow Load
SEIS, Seis	Seismic Load
U_Snow	Unbalance Snow Load
V, Vert	Vertical
WL, Wind_L	Wind Load Left
WR, Wind_R	Wind Load Right
WP, Wind_P	Wind Pressure
WS, Wind_S	Wind Suction

ENGLISH UNITS

Acre	Acres
FT, ft	Feet
GA, Ga, ga	Gage
Gal	Gallons
IN, in	Inches
K, k	Kips
KSI, ksi	Kips Per Square-Inches
lb, #	Pounds
MPH, mph	Miles Per Hour
PLF, plf, lb/ft	Pounds Per Linear-Foot
PSF, psf, lb/ft^2	Pounds Per Square-Feet
TON, ton	Tons
Yd	Yard

METRIC UNITS

cm	Centimeters
Hec	Hectares
liter	Liters
m	Meters
mm	Millimeters
N	Newtons
km	Kilometers
kN	Kilonewtons
kN/m^2	Kilonewtons Per Square-meter
kPa	Kilopascals
kph	Kilometers Per Hour
Pa	Pascals

USEFUL CONVERSION

English	To	English	Metric	To	Metric
1 mile		1760 Yd	1 km		1000 m
1 Yd		3 Ft	1 m		100 cm
1 Ft		12 in	1 cm		10 mm
1 in		16/16 in	1 kN		1000 N
1 Ton (English)		2 Kips	1 kg		9.8066 N
1 Kip		1000 lb	1 Ton (Metric)		1000 kg
1 lb		16 ounces	1 Hec		10,000 m^2
1 Acre		43560 Ft^2	1 m^3		1000 liter
1 Ft^3		7.4805 Gal	1 kPa		1 kN/m^2

English	To	Metric	Metric	To	English
1 in		2.54 cm	1 cm		0.3937 in
1 ft		0.3048 m	1 m		3.2808 ft
1 lb		0.4536 kg	1 kg		2.2046 lb
1 Ton (English)		907.18 kg	1 Ton (Metric)		2204.6 lb
1 Kip		4.4482 kN	1 kN		0.2248 kip
1 mile		1.6093 km	1 km		0.6213 mile
1 Acre		0.4046 Hec	1 Hec		2.4715 Acres
1 lb/ft^2		0.0478 kPa	1 kPa		20.8854 lb/ft^2

Fraction	To	Decimal	Fraction	To	Decimal
1/16		0.0625	9/16		0.5625
1/8		0.1250	5/8		0.6250
3/16		0.1875	11/16		0.6875
1/4		0.2500	3/4		0.7500
5/16		0.3125	13/16		0.8125
3/8		0.3750	7/8		0.8750
7/16		0.4375	15/16		0.9375
1/2		0.5000	16/16		1.0000

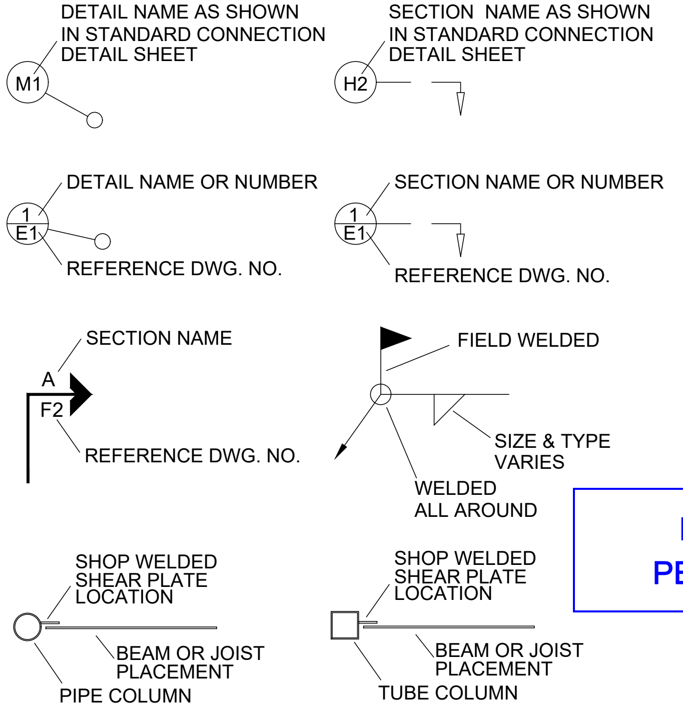
DRAWINGS:

AB, A.B.	Anchor Bolt
AS, As Shown	As Shown
Aux.	Auxiliary
BLDG., Bldg.	Building
B.P., Base PL	Base Plate
BOTT., Bott.	Bottom
Bott. Base PL, B.O.B.P	Bottom Of Base Plate
B.O.S.	Bottom Of Steel
BSW	Back Sidewall
BY OTHERS	By Other Supplier or Not By Rigid
C/C	Center to Center
C.I.P.	Cast-In-Place
CL, ℄	Center Line
CLR.	Clear, Clearance
CMU	Concrete Masonry Unit
COL., Col.	Column
CONC., Conc.	Concrete
CONT.	Continuous, Continuation
DET.	Detail
DIA., Dia., Ø	Diameter
DIM., Dim.	Dimension
DWG., Dwg.	Drawing
EH, E.H.	Eave Height
EJ, Exp. Jt.	Expansion Joint
EL, Elev.	Elevation
EP	End Plate
ES, E.S.	Eave Strut
EW	Endwall
EW COL, EC	Endwall Column
EW RAF	Endwall Rafter
Exp. Bolt	Expansion Bolt
FFL, Fin. Flr.	Finish Floor Line
FLG., FLGE., Flg., Flge.	Flange
FNB, F.N.B.	Fin Neck Bolt
FO, F.O.	Framed Opening
FRM., Frm.	Frame
FSW	Front Sidewall
GA, Ga.	Gage
GALV., Galv.	Galvanized
G.O.L.	Gage of Outstanding Leg
H, Ht.	Height
HED,HEDS	High Eave Double Slope
HES,HESS	High Eave Single Slope
Horz, Horiz	Horizontal
HSB, H.S.B.	High Strength Bolt
HSS	Hollow Structural Section
INT., Int.	Interior, Intermediate
I/S	Inside
LED,LEDS	Low Eave Double Slope
LES,LESS	Low Eave Single Slope
LEW	Left Endwall
LHI	Left Hand In
LHO	Left Hand Out
LL	Long Life
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LT	Lean-To
LT COL	Lean-To Column
LT RAF	Lean-To Rafter
LG., Lg.	Long
L, Lt.	Length
L x W x H	Length x Width x Height
MAX., max.	Maximum
MIN., min.	Minimum
MKD., MK'D.	Marked
MB, M.B.	Machine Bolt
MEZZ., Mezz.	Mezzanine
N.A., N/A	Not Applicable
NO., No.	Number
NS/FS, NS&FS	Near Side and Far Side
O.C.	On Center
O/S	Outside
OH, Opp Hand	Opposite Hand (Mirror Image)
OHD, O.H.D.	Over-Head Door
O/O	Out to Out
PF COL	Portal Frame Column (Wind Bent Column)
PF RAF	Portal Frame Rafter (Wind Bent Rafter)
PL, ⅊	Plate
QTY., Qty.	Quantity
REF., Ref.	Refer, Reference
REW	Right Endwall

DRAWINGS:

RHB	Round Head Bolt
RHI	Right Hand In
RHO	Right Hand Out
REINF.	Reinforced
REQ'D., REQD.,	Required
REV., Rev.	Revised, Revision
RF, R.F.	Rigid Frame
RF COL	Rigid Frame Column
RF RAF	Rigid Frame Rafter
RUD, R.U.D.	Roll-Up Door
SC	Slip Critical
SDS	Self-Drilling Screws
SECT., Sect.	Section
SHTG., Shtg.	Sheeting
Sol Col	Soldier Column
SP	Splice Plate
SSR	Standing Seam Roof
SST	Stainless Steel
ST COL	Straight Column
STIFF.	Stiffener
STD.	Standard
STS	Self-Tapping Screws
SW	Sidewall
SYM., Sym., SYMM., Symm.	Symmetry, Symmetrical
TBE	To Be Established
TBD	To Be Determined
TC	Tension Control
THK., Thk.	Thick
TOC, T.O.C.	Top Of Concrete
TOS, T.O.S.	Top Of Steel
T & B, TOP & BOTT	Top and Bottom
TYP., Typ., typ.	Typical
UN, U.N.O.	Unless Noted, Unless Noted Otherwise
Vert.	Vertical
WD	Walk Door
W, Wd.	Width
W.P.	Work Point, Working Point

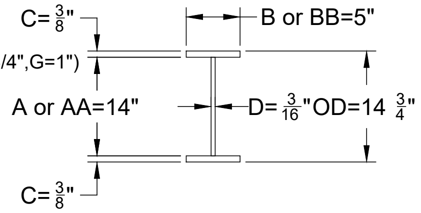
SECTIONS AND DETAILS:



BUILT-UP SECTIONS: USED FOR FRAMES, BEAMS, COLUMNS

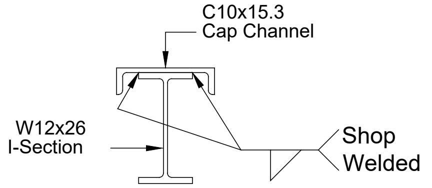
WAABCD Example: W14563
- D: Web Thickness (16/in, 2=10Ga)
- C: Flange Thickness (16/in,A=5/8",C=3/4",G=1")
- B: Flange Width (in)
- AA: Web Depth (in)
- W: Welded I-Section

Overall Depth=OD=AA+C+C



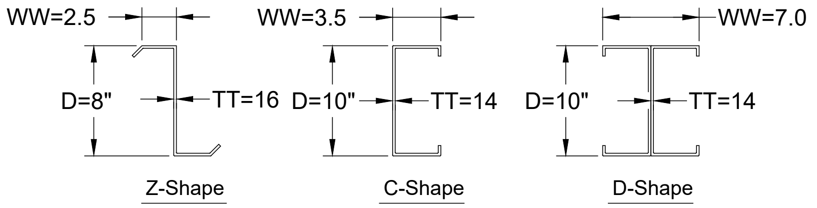
CRANE BEAM SECTIONS: USED FOR RUNWAY BEAMS, MONORAILS

12W26C10 Example: 12W26C10
- 10: Cap Channel Depth
- C: Hot-Rolled Cap Channel
- 26: Nominal Weigth
- W: Hot-Rolled I-Section
- 12: Nominal Depth



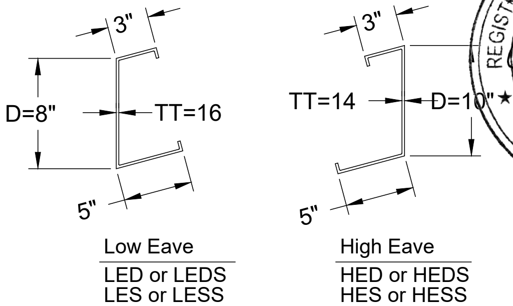
COLD-FORMED SECTIONS Z,C,D: USED FOR PURLINS,GIRTS,JAMBS,JOISTS

DxWWSTT Example: 8x25Z16; 10x35C14; 10x70D14
- TT: Web Thickness (Gauge)
- S: Shape (Z, C, D)
- WW: Flange Width (25=2.5",35=3.5",50=2x2.5", 70=2x3.5")
- D: Depth (8",10,12")



COLD-FORMED SECTION ES: USED FOR EAVE STRUTS

LDESTT Example: L8ES16; H10ES14
- TT: Web Thickness (Gauge)
- ES: ES=Eave Strut
- D: Depth (6",8",10,12")
- L: Location (L=Low Eave, H=High Eave)



REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	LEGENDS & ABBREVIATIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	C03 OF 4	B

DRAWING INDEX

DWG.NO.	ISSUE	DRAWING TITLE
C01	B	COVER SHEET
C02	B	UNLOADING, HANDLING & STORING OF MATERIALS
C03	B	LEGENDS AND ABBREVIATIONS
C04	B	DRAWING INDEX
F001	B	COLUMN LAYOUT PLAN
F002	B	ANCHOR BOLT DETAILS
F003	B	ANCHOR BOLT REACTIONS
E001	B	ROOF FRAMING PLAN
E002	B	ROOF SHEETING PLAN
E003	B	RIGID FRAME ELEVATION
E004	B	RIGID FRAME ELEVATION
E005	B	ENDWALL FRAMING & SHEETING ELEVATION
E006	B	ENDWALL FRAMING & SHEETING ELEVATION
E007	B	SIDEWALL FRAMING & SHEETING ELEVATION
E008	B	SIDEWALL FRAMING & SHEETING ELEVATION
E009	B	STANDARD CONNECTION DETAILS
E010	B	STANDARD CONNECTION DETAILS
E011	B	DETAIL DRAWINGS
E012	B	DETAIL DRAWINGS
E013	B	DETAIL DRAWINGS

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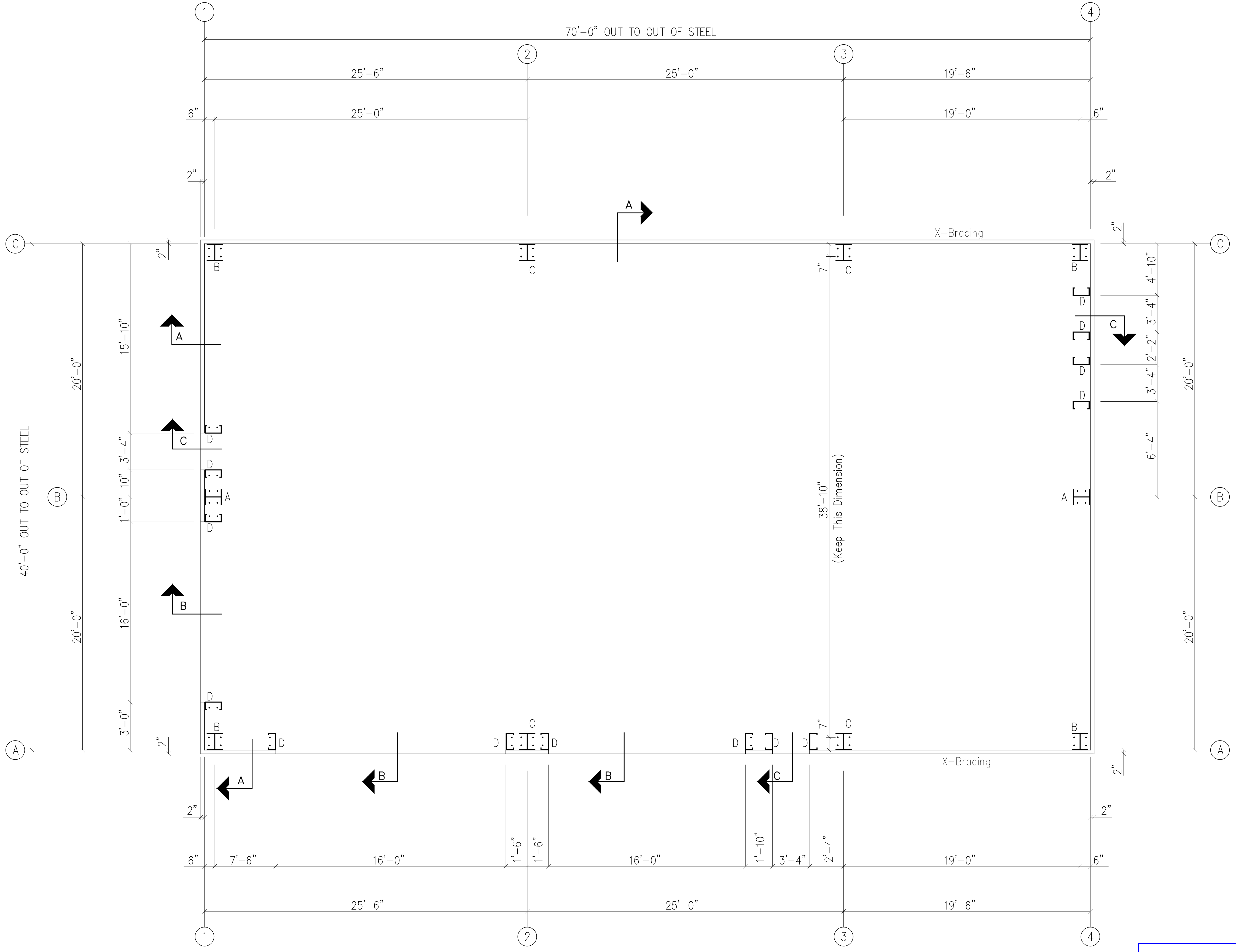
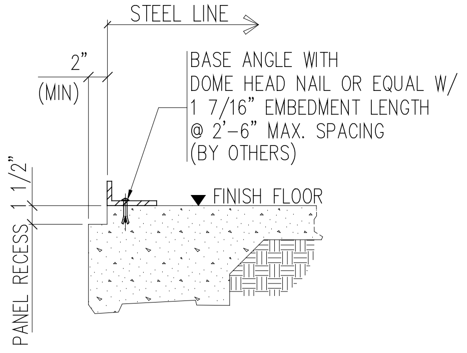


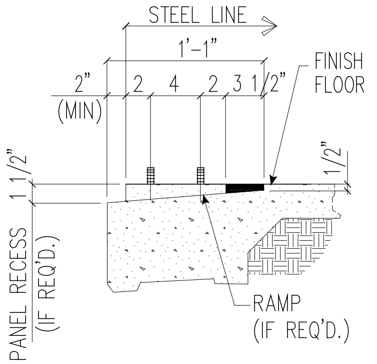
COLUMN LAYOUT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)

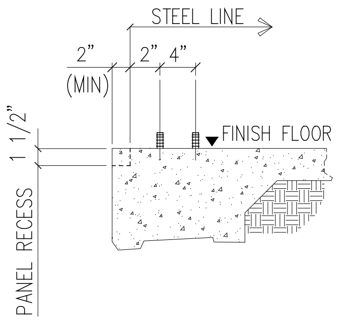


IMPORTANT NOTES:
NOTCH AREA INDICATES 1 1/2" INCH BY 1 1/2" INCH RECESS FOR METAL WALL SHEETS. THE SHEETS SHOULD NOT TOUCH THE BOTTOM OF THE NOTCH, WHICH WOULD VOID THE WARRANTY!

A SECTION



B SECTION



C SECTION

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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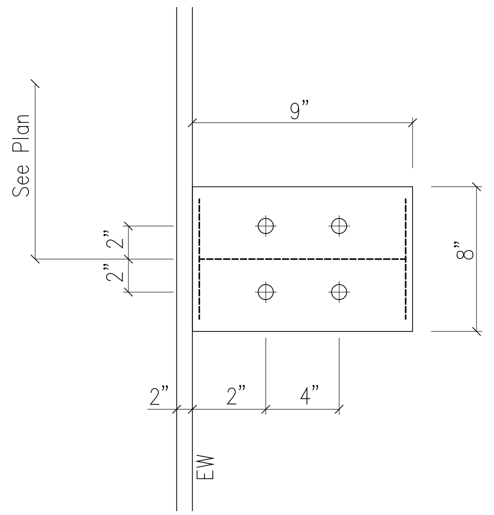
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	COLUMN LAYOUT PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

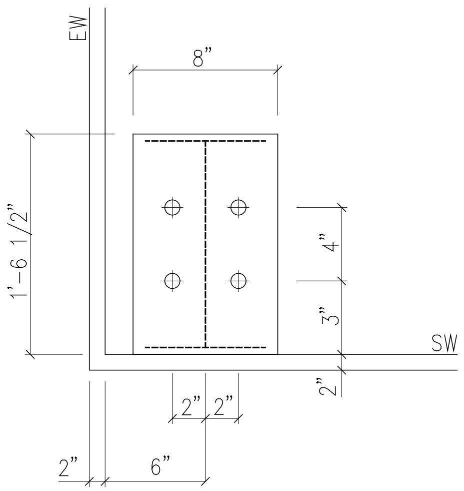
SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	F01 OF 3	B

Dia= 3/4"
Thk= 3/8"



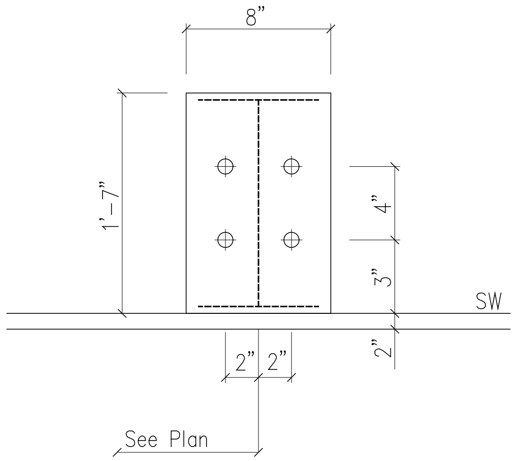
DETAIL A

Dia= 3/4"
Thk= 1/2"



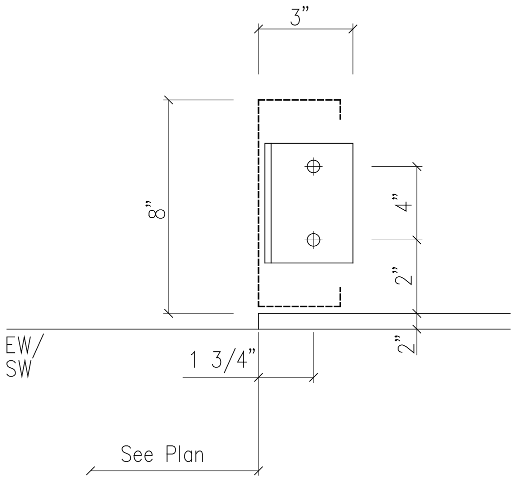
DETAIL B

Dia= 3/4"
Thk= 1/2"



DETAIL C

Dia= 5/8"
Thk= 1/4"



DETAIL D

CHAO CHI
C 83009
EXP 09/30/2024
CIVIL

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FOR PERMIT

GENERAL NOTES:

① THE ANCHOR BOLT DETAILS SHOWN ON THIS DRAWING LOCATE THE ANCHOR BOLTS IN REFERENCE TO BOTH THE BUILDING STEEL LINE AND THE OUTSIDE OF RIGID'S SUGGESTED PANEL RECESS OF 1-1/2".

② THE ANCHOR BOLT SETTING PLAN LOCATES ANCHOR BOLTS IN REFERENCE TO THE OUTSIDE OF THE PANEL RECESS SHOWN. IF THE ACTUAL PANEL RECESS IS DIFFERENT FROM WHAT IS SHOWN ON THE ANCHOR BOLT SETTING PLAN, THEN ALL REFERENCE DIMENSIONS FROM THE OUTSIDE OF THE PANEL RECESS MUST BE DETERMINED BY THE CUSTOMER.

③ BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED)

NOTE:

ONLY ANCHOR BOLTS SETTING PLAN ISSUED & STAMPED "FOR CONSTRUCTION" SHALL BE USED IN SETTING ANCHOR BOLTS. 'RIGID GLOBAL BUILDINGS' SHALL NOT BE RESPONSIBLE FOR ERROR OR DISCREPANCY IF THE DRAWING USED IS NOT VALID FOR CONSTRUCTION.

QTY.	SYMBOL	DIA.	PROJ.
0	⌖	1/2"	1"
28	⌖	5/8"	2"
40	⌖	3/4"	2 1/2"
0	⌖	7/8"	2 3/4"
0	⌖	1"	3"
0	⌖	1 1/8"	3 1/2"
0	⌖	1 1/2"	3 1/2"

ANCHOR BOLT DETAIL

ANCHOR BOLT PROJECTION "PROJ." IS MEASURED FROM BOTTOM OF BASE PLATE

LENGHT OF "PROJ." SHOWN IS FOR ONE NUT + ONE WASHER

DETAIL OF ANCHOR BOLT AS PER THE SUPPLIER

NUTS & WASHERS BY SUPPLIER

ANCHOR BOLTS NOT BY RIGID GLOBAL BUILDINGS

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Fax : (281) 443-9064

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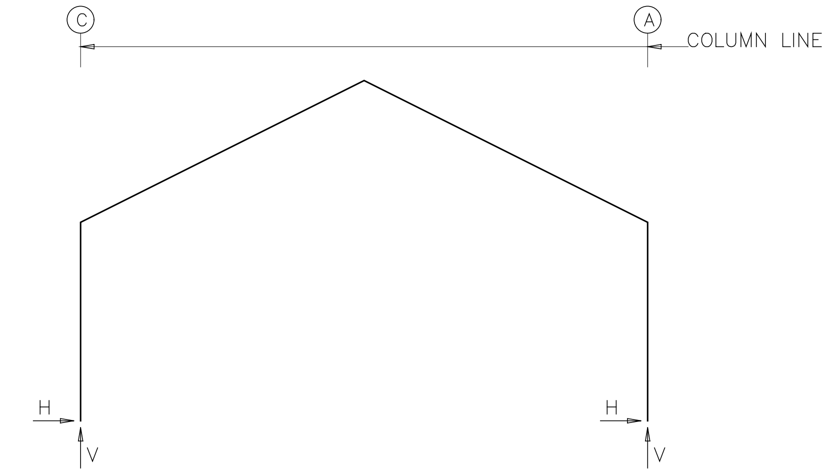
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	F02 OF 3	B

FRAME LINES: 1 2 3 4



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
1*	C	0.5	1.7	0.9	2.3	1.3	3.8	−2.9	−4.5	1.9	−3.2	−3.1	−2.7
1*	A	−0.5	1.7	−0.9	2.3	−1.3	3.8	−1.9	−3.2	2.9	−4.5	−1.8	−1.4
2*	C	0.8	2.5	1.5	3.9	2.3	6.6	−4.3	−6.9	3.2	−5.0	−4.7	−3.9
2*	A	−0.8	2.5	−1.5	3.9	−2.3	6.6	−3.2	−5.0	4.3	−6.9	−2.8	−1.9

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
1*	C	1.8	−1.4	0.5	−6.4	−0.6	−6.3	−4.6	−3.0	4.6	3.0	0.0	−8.9
1*	A	3.1	−2.7	0.6	−6.3	−0.5	−6.4	−4.6	3.0	4.6	−3.0	0.0	−8.9
2*	C	2.8	−1.9	1.0	−8.2	−0.4	−8.1	−3.7	−2.4	3.7	2.4	0.0	−8.9
2*	A	4.7	−3.9	0.4	−8.1	−1.0	−8.2	−3.7	2.4	3.7	−2.4	0.0	−8.9

1* Frame lines: 1 4
2* Frame lines: 2 3

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1*	C	6 7	5.0 2.5	8.8 12.0	8 10	−3.0 0.2	−1.3 −5.5	4	0.750	8.000	18.50	0.500	0.0
1*	A	9 7	3.0 −2.5	−1.3 12.0	5 10	−5.0 −0.2	8.8 −5.5	4	0.750	8.000	18.50	0.500	0.0

1* Frame lines: 1 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	C	6 7	6.2 4.3	13.3 16.8	1 10	−2.3 0.4	−0.8 −5.1	4	0.750	8.000	19.00	0.500	0.0
2*	A	2 7	2.3 −4.3	−0.8 16.8	5 10	−6.2 −0.4	13.3 −5.1	4	0.750	8.000	19.00	0.500	0.0

2* Frame lines: 2 3

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

Width (ft) = 40.0
Length (ft) = 70.0
Eave Height (ft) = 14.0/ 14.0
Roof Slope (rise/12) = 6.0/ 6.0
Dead Load (psf) = 3.0
Collateral Load (psf) = 7.0
Roof Live Load(psf) = 20.0
Frame Live Load(psf) = 12.0
Wind Speed (mph) = 96.0
Wind Code = CDC 22/ IBC 21
Exposure = C
Closed/Open = C
Importance Wind = 1.00
Importance Seismic = 1.00
Seismic Zone = D
Seismic Coeff (Fa*Ss) = 1.62

5. Loading conditions are:

1	0.6Dead+0.6Wind_Left2
2	0.6Dead+0.6Wind_Right2
3	1.15Dead+1.15Collateral+0.7Seismic_Right
4	1.15Dead+1.15Collateral+0.7Seismic_LongR
5	1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Left
6	1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Right
7	1.11Dead+1.11Collateral+0.75Live+0.53Seismic_LongR
8	0.45Dead+0.7Seismic_Left
9	0.45Dead+0.7Seismic_Right
10	0.45Dead+0.7Seismic_LongL
11	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz
1	B	0.3	−3.6	4.0
4	B	0.3	−3.6	4.0

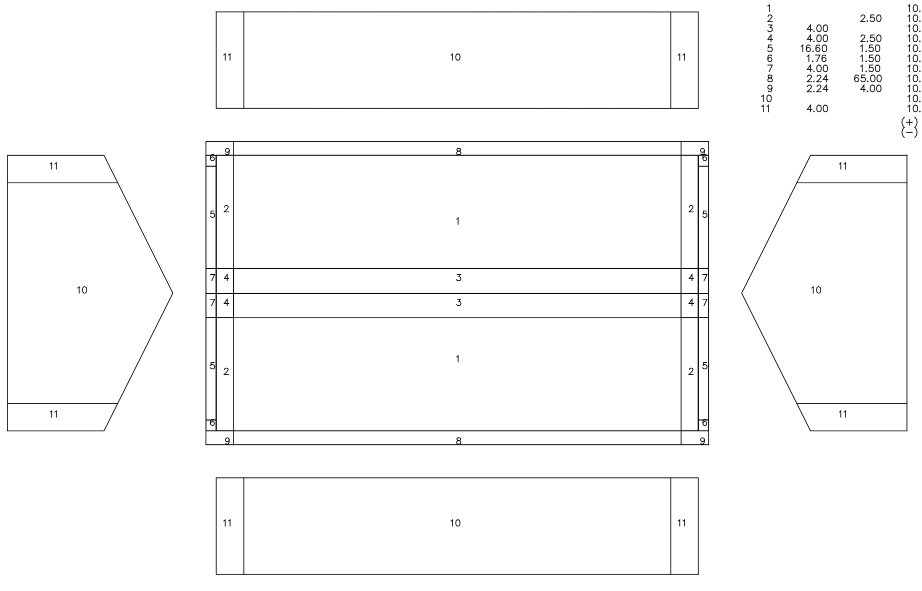
ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	B	11 3	2.4 0.0	0.2 0.3	12	−2.2	0.2	4	0.750	8.000	9.000	0.375	0.0
4	B	11 4	2.4 0.0	0.2 0.3	12	−2.2	0.2	4	0.750	8.000	9.000	0.375	0.0

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis	Note
L_EW	1								(h)
F_SW	A	3,4	3.2	2.1	13.7	8.9			
R_EW	4								(h)
B_SW	C	4,3	3.2	2.1	13.7	8.9			

(h)Rigid frame at endwall



Components & Cladding (Factored)

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) Panel
1			10.08	10.08	−12.96	−17.23
2		2.50	10.08	10.08	−16.20	−27.56
3	4.00		10.08	10.08	−16.20	−27.56
4	4.00	2.50	10.08	10.08	−20.35	−32.04
5	16.60	1.50	10.08	10.08	−28.64	−30.83
6	1.76	1.50	10.08	10.08	−31.88	−36.86
7	4.00	1.50	10.08	10.08	−32.53	−39.28
8	2.24	65.00	10.08	10.08	−19.81	−20.51
9	2.24	4.00	10.08	10.08	−25.36	−36.91
10			10.26	12.12	−11.34	−13.14
11	4.00		10.26	12.12	−12.59	−16.16

(+) wind towards surface
(−) wind away from surface

Panel Zone: Wind 1

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ANCHOR BOLT REACTIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE:	DWG. NO.:	ISSUE:
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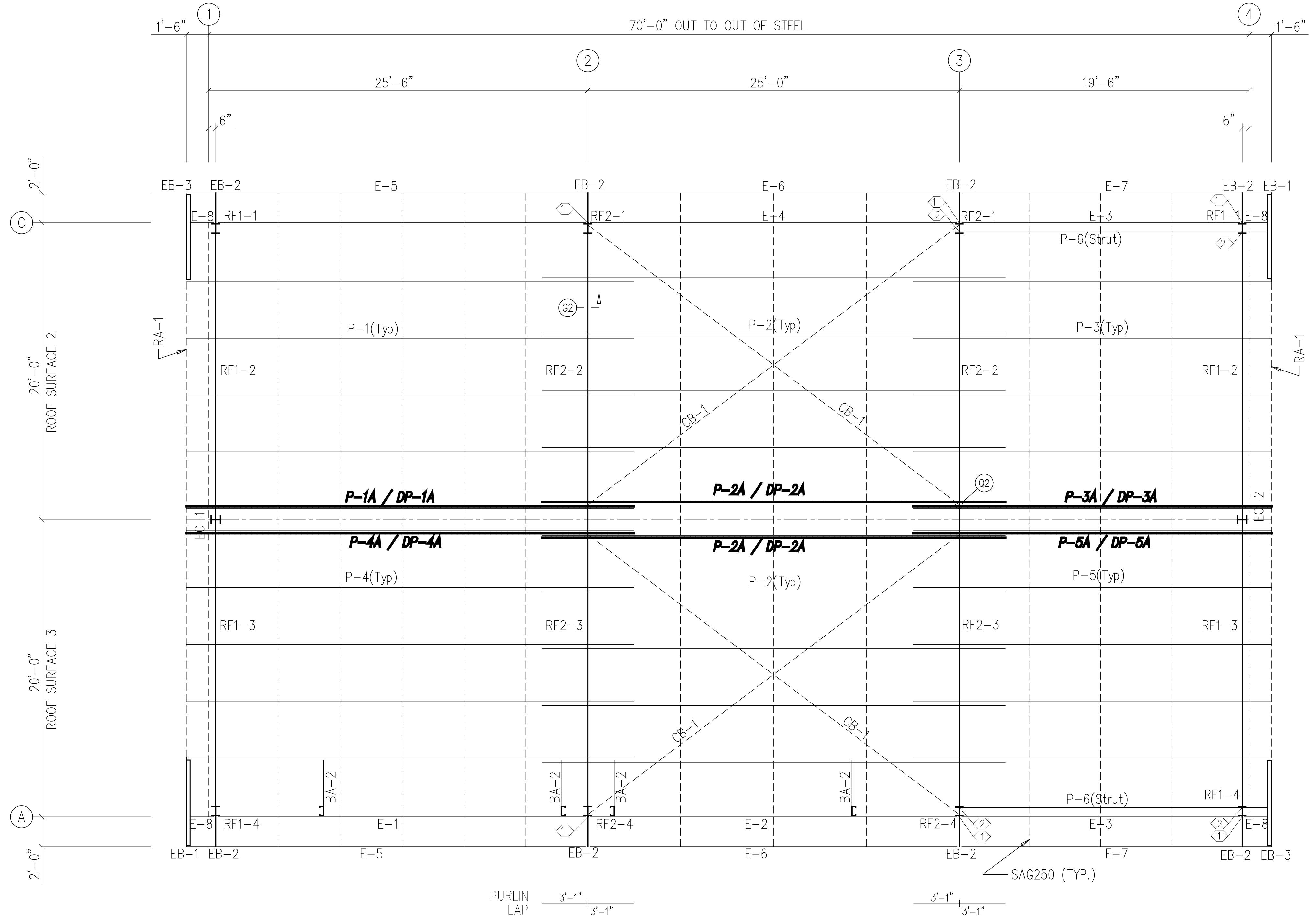
EXTENSION/CANOPY BOLTS ROOF PLAN	
MARK	QUAN TYPE DIA LENGTH
EB-2	(SHOP WELD)

SPECIAL BOLTS
ROOF PLAN

⬡ ID	QUAN	TYPE	DIA	LENGTH	WASH
1	8	A325	1/2"	1 1/4"	0
2	4	A307	1/2"	1 1/4"	0

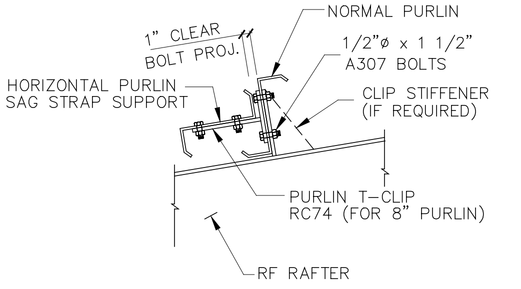
MEMBER TABLE
ROOF PLAN

MARK	PART
EB-1	8x35C12
EB-2	W8x10
EB-3	8x35C12
P-1	8x25Z12
P-1A	8x25Z12
DP-1A	8x25Z12
P-2	8x25Z16
P-2A	8x25Z16
DP-2A	8x25Z16
P-3	8x25Z16
P-3A	8x25Z16
DP-3A	8x25Z16
P-4	8x25Z12
P-4A	8x25Z12
DP-4A	8x25Z12
P-5	8x25Z16
P-5A	8x25Z16
DP-5A	8x25Z16
P-6	8x25Z16
E-1	L8x5x3ES12
E-2	L8x5x3ES12
E-3	L8x5x3ES12
E-4	L8x5x3ES12
E-5	8x25C16
E-6	8x25C16
E-7	8x25C16
E-8	L8x5x3ES12
CB-1	CB0313



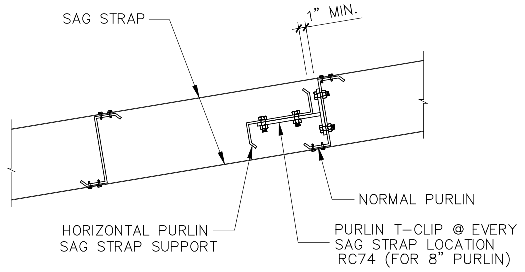
ROOF FRAMING PLAN

W/ 6" THK. OS ROOF INSULATION (BY OTHERS)


1" CLEAR BOLT PROJ.
NORMAL PURLIN
1/2"ø x 1 1/2" A307 BOLTS
HORIZONTAL PURLIN SAG STRAP SUPPORT
CLIP STIFFENER (IF REQUIRED)
PURLIN T-CLIP RC74 (FOR 8" PURLIN)
RF RAFTER

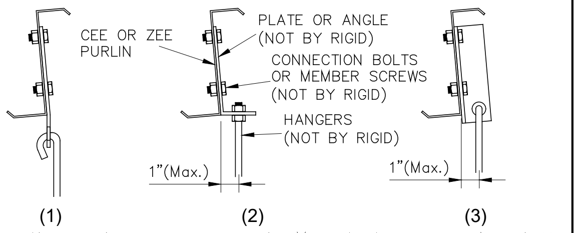
HORIZONTAL PURLIN CONNECTION TO RF RAFTER

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

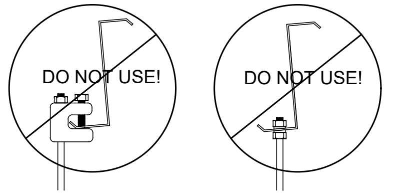

SAG STRAP
1" MIN.
NORMAL PURLIN
HORIZONTAL PURLIN SAG STRAP SUPPORT
PURLIN T-CLIP @ EVERY SAG STRAP LOCATION RC74 (FOR 8" PURLIN)

HORIZONTAL PURLIN CONNECTION TO NORMAL PURLIN

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.


CEE OR ZEE PURLIN
PLATE OR ANGLE (NOT BY RIGID)
CONNECTION BOLTS OR MEMBER SCREWS (NOT BY RIGID)
HANGERS (NOT BY RIGID)
1"(Max.)
1"(Max.)
(1)
(2)
(3)

HANGERS ON CEE OR ZEE PURLINS MUST ATTACH TO THE WEB ONLY. HANGERS MUST BE LOCATED SO THAT THE SUPPORTED LOAD DOES NOT EXCEED THAT SPECIFIED IN THE CONTRACT DOCUMENTS. SUGGESTED DETAILS ARE AS SHOWN ABOVE.



DO NOT USE C-CLAMPS OR ANY OTHER HANGER ATTACHED TO THE FLANGE OF THE PURLIN. IT REDUCES THE CAPACITY OF THE PURLIN AND PRODUCE SECONDARY STRESSES.

TYP. COLLATERAL LOAD CONNECTION DETAIL

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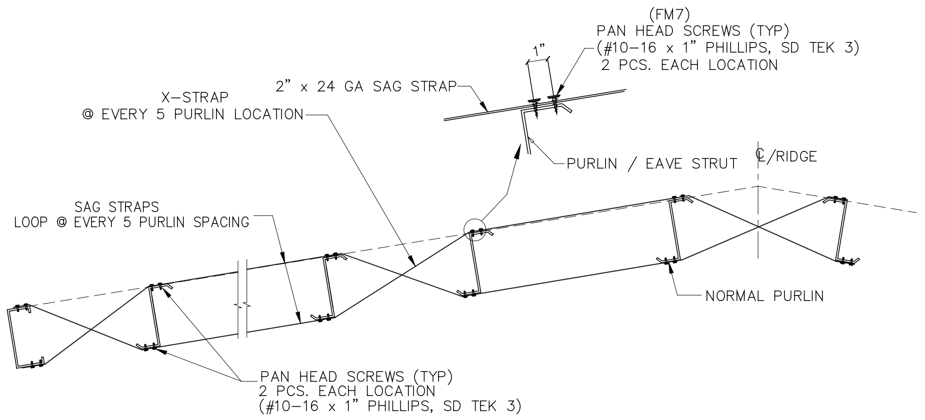

TYPICAL SAG STRAP DETAIL @ ROOF (BLDG A, B & C)

(TOP & BOTTOM)

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IMPORTANT NOTES:

High R-value roof insulation systems require two layers of insulation. The sag straps that prevent purlin roll may conflict with faced roof insulation between purlins. Rigid Global Buildings recommends an unfaced layer between the purlins that can be cut around the required framing.

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STREET	41625 CAMINO DEL VINO		
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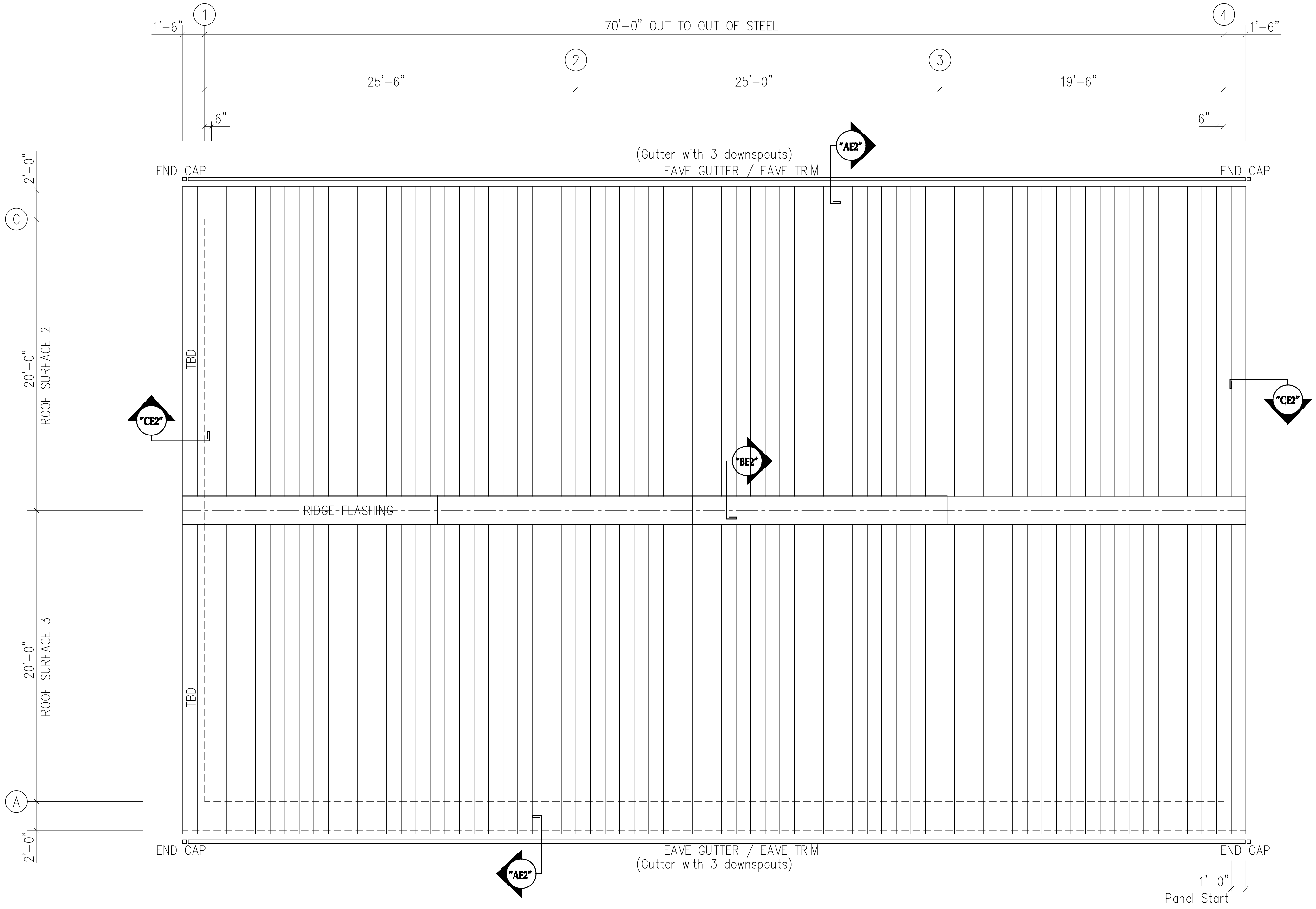

ROOF SHEETING PLAN

PANELS: 24 Ga. McELROY MEDALLION – 12" WIDE – KYNAR 500 – MATT BLACK

STRIATED – CUSTOMER TO VERIFY

ALL ROOF TRIMS AS PER MCELROY – CUSTOMER TO VERIFY

IMPORTANT NOTES:

Additional Panel Information

Roof Panel: 24GA. MEDALLION LOK-SEAM 12", KYNAR 500 MATT BLACK BY MCELROY
Roof Insulation Thickness (in.) Above Purlin: BY OTHERS
SSR Clip Type: BY MCELROY
SSR Seam Type: BY MCELROY

1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

ERECTOR'S NOTE

1. INSTALLER OF STANDING SEAM ROOF PANEL MUST STUDY THE INSTALLATION MANUALS PRIOR TO INSTALLATION. MANUALS ARE PROVIDED WITH THE MATERIALS SHIPMENT BUT CAN BE REQUESTED OR DOWNLOADED FROM THE MCELROY WEBSITE AT www.mcelroymetal.com
2. FAILURE TO INSTALL THE ROOF SHEETS IN ACCORDANCE WITH THE SHEETING DIRECTIONAL ARROWS SHOWN ON THESE PLANS MAY RESULT IN IMPROPER FIT-UP OF THE OUTSIDE CLOSURES (END DAMS) AND POSSIBLY OTHER TRIM COMPONENTS WHICH COULD AFFECT THE OVERALL APPEARANCE AND WEATHER TIGHTNESS OF THE BUILDING. RIGID WILL NOT BE HELD REPONSIBLE FOR THE CHARGES OR ADDITIONAL FIELD WORK DUE TO NOT FOLLOWING SHEETING DIRECTIONAL ARROWS AND OTHER PROCEDURES OUTLINED IN THE ERECTION MANUAL.
3. IN THE EVENT THAT A DISCREPANCY OR ERROR ARISES WITH MATERIALS SHIPPED FOR THIS PROJECT OR ON THESE ERECTION DRAWINGS, THE ERECTOR/INSTALLER MUST NOTIFY RGB PRIOR TO CORRECTING. IF RGB IS NOT NOTIFIED, RGB WILL NOT HONOR BACKCHARGES BY ANY PARTY INVOLVED.
4. MEMBER SCREW AND STITCH SCREW PATTERNS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ROOF AND WALL DETAILS SHOWN ON DWG.# E011
5. RGB SUPPLIES 5% OVERAGE FOR SCREWS AND ANY CLAIM ON SHORTAGE BECAUSE OF NON-COMPLIANCE WITH THE DRAWINGS SHALL NOT BE RGB'S RESPONSIBLITY.

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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A	APPROVAL/PERMIT	01/10/24	RBM	RCR	RDL
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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ROOF SHEETING PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	E02 OF 13	B

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Qty Bot	Qty Int	Type	Dia	Length	Width	Thick	Length
SP−1	4	4	2	A325	0.625	2.25	6"	5/8"	3'−0 5/16"
SP−2	4	4	0	A325	0.625	2.00	6"	1/2"	2'−1 5/8"

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Thick	Length
RF1−1	St− 1	2.500	0.250	17.50
RF1−4	St− 1	2.500	0.250	17.50

BASE PLATE TABLE

Col Mark	Plate Size Width	Thick	Length
BP−1	8"	1/2"	1'−6 1/2"

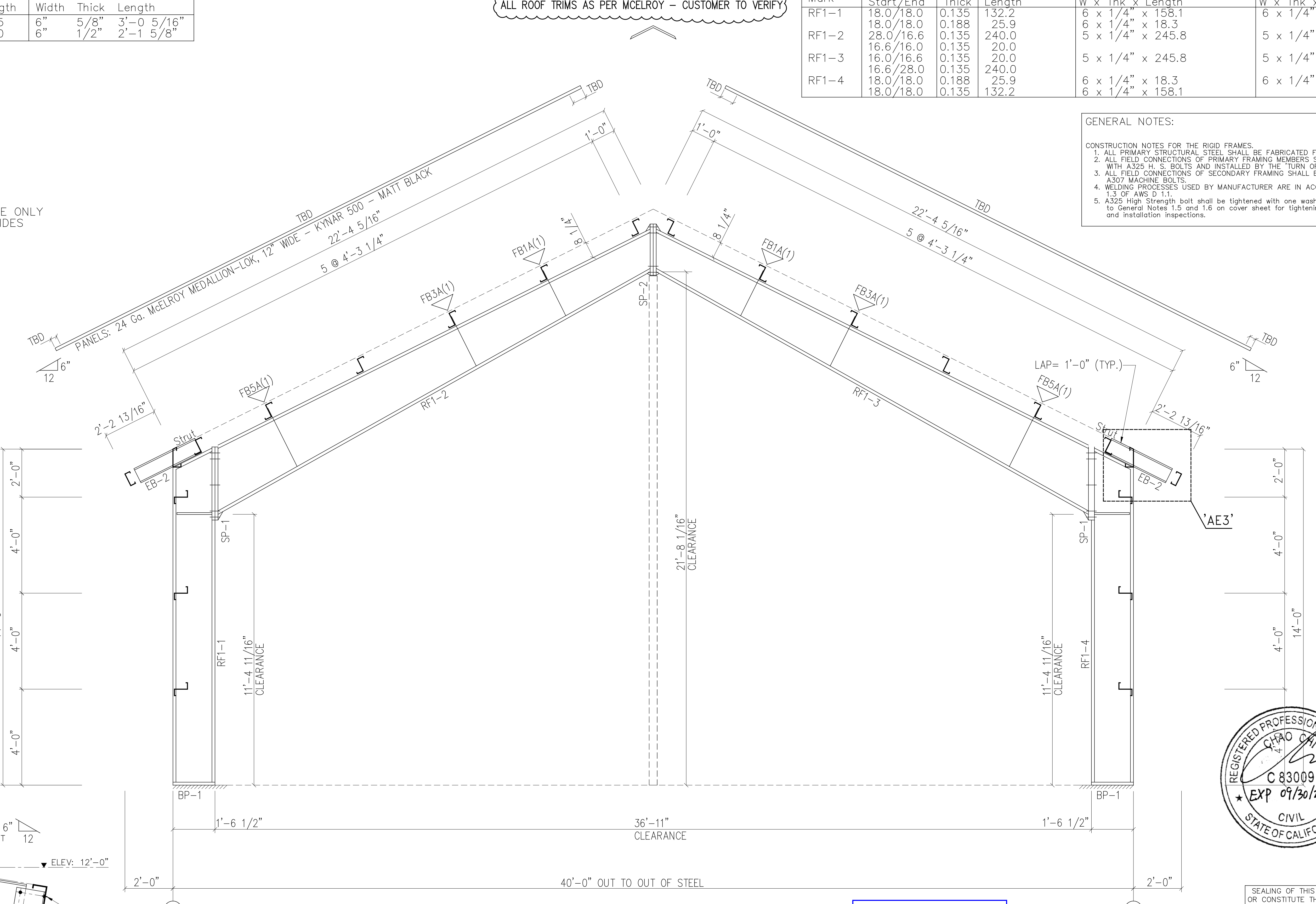
FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A − L2x2x14

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1−1	18.0/18.0	0.135	132.2	6 x 1/4" x 158.1	6 x 1/4" x 132.2
	18.0/18.0	0.188	25.9	6 x 1/4" x 18.3	
RF1−2	28.0/16.6	0.135	240.0	5 x 1/4" x 245.8	5 x 1/4" x 252.1
	16.6/16.0	0.135	20.0		
RF1−3	16.0/16.6	0.135	20.0	5 x 1/4" x 245.8	5 x 1/4" x 252.1
	16.6/28.0	0.135	240.0		
RF1−4	18.0/18.0	0.188	25.9	6 x 1/4" x 18.3	6 x 1/4" x 132.2
	18.0/18.0	0.135	132.2	6 x 1/4" x 158.1	

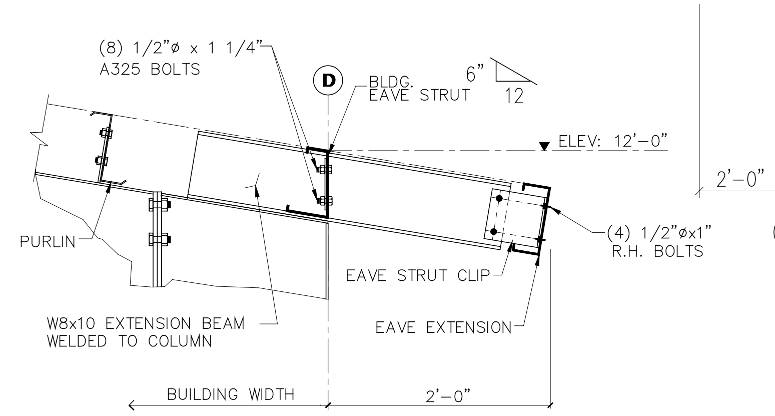
GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.
1. ALL PRIMARY STRUCTURAL STEEL SHALL BE FABRICATED FROM 50 OR 55 KSI STEEL.
2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.



RIGID FRAME ELEVATION: FRAME LINE 1 4

FOR PERMIT



'DETAIL 'AE3'

TYP. HOT-ROLLED EAVE EXTENSION TO MAIN FRAMES DETAIL

ALL BOLTS ARE 1/2"ø x 1" MACHINE BOLTS U.N.

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443−9065
Fax : (281) 443−9064

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
75886	167835	N.T.S.	E03 OF 13	B

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Qty Bot	Qty Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	2	A325	0.625	2.25	6"	5/8"	3'-2 9/16"
SP-2	4	4	0	A325	0.625	2.00	6"	1/2"	2'-1 5/8"

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Plate Size Thick	Plate Size Length
RF2-1	St- 1	2.500	0.250	17.50
RF2-4	St- 1	2.500	0.250	17.50

BASE PLATE TABLE

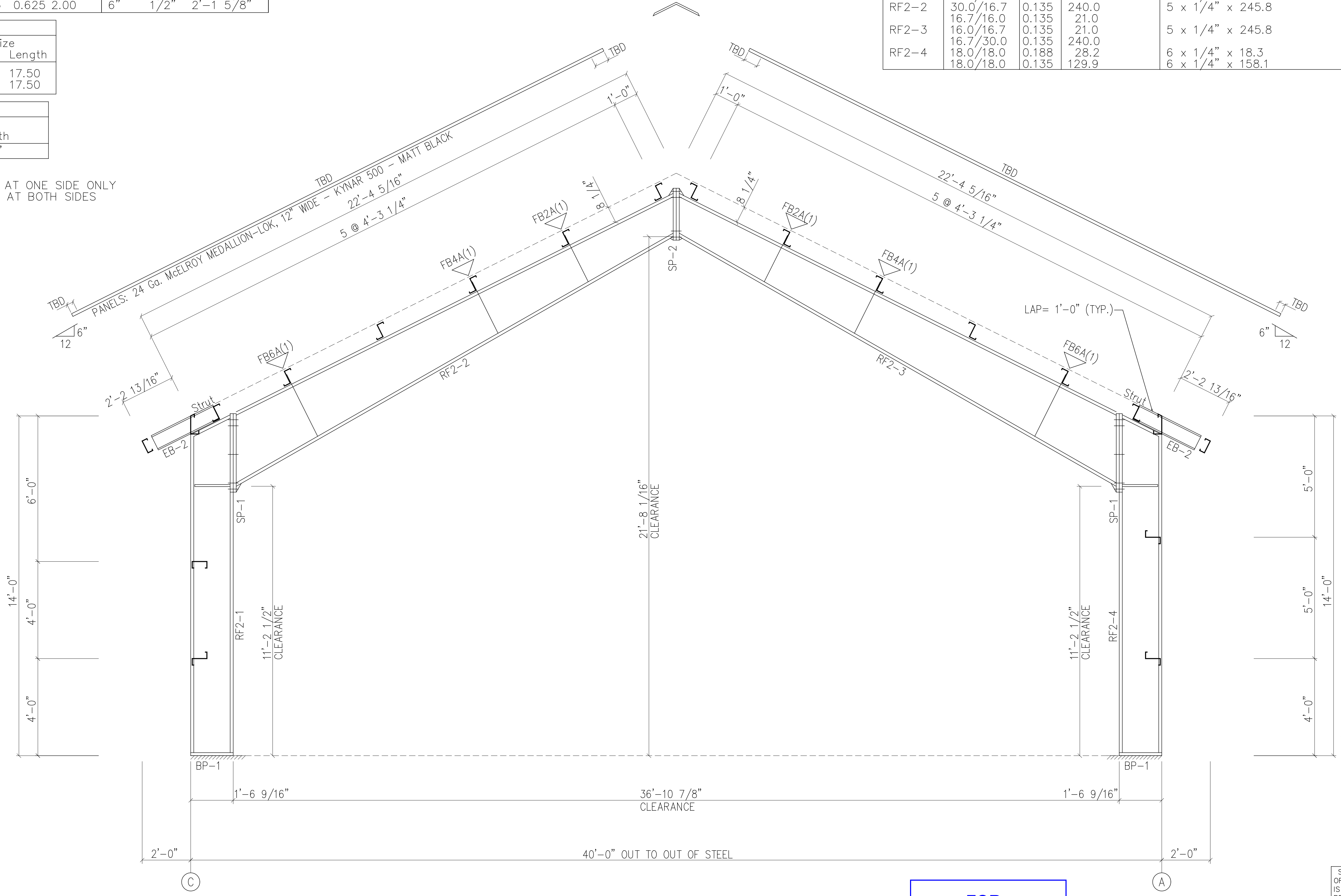
Col Mark	Plate Size Width	Plate Size Thick	Plate Size Length
BP-1	8"	1/2"	1'-7"

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-1	18.0/18.0	0.135	129.9	6 x 1/4" x 158.1	6 x 5/16" x 129.9
	18.0/18.0	0.188	28.2	6 x 1/4" x 18.3	
RF2-2	30.0/16.7	0.135	240.0	5 x 1/4" x 245.8	5 x 1/4" x 253.2
	16.7/16.0	0.135	21.0		
RF2-3	16.0/16.7	0.135	21.0	5 x 1/4" x 245.8	5 x 1/4" x 253.2
	16.7/30.0	0.135	240.0		
RF2-4	18.0/18.0	0.188	28.2	6 x 1/4" x 18.3	6 x 5/16" x 129.9
	18.0/18.0	0.135	129.9	6 x 1/4" x 158.1	

ALL ROOF TRIMS AS PER MCELROY – CUSTOMER TO VERIFY

FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A – L2x2x14



RIGID FRAME ELEVATION: FRAME LINE 2 3

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GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.

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2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

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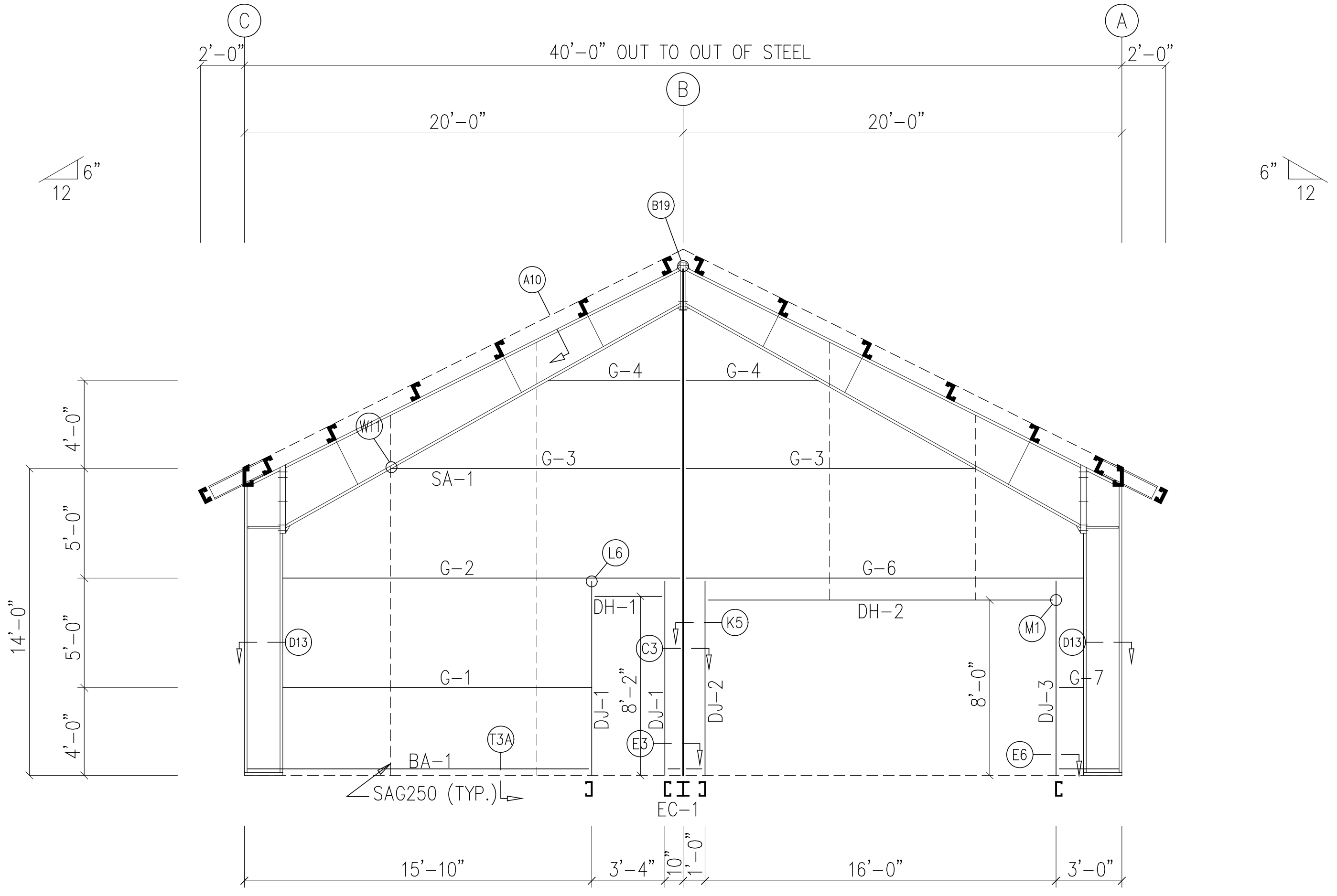
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	E04 OF 13	B

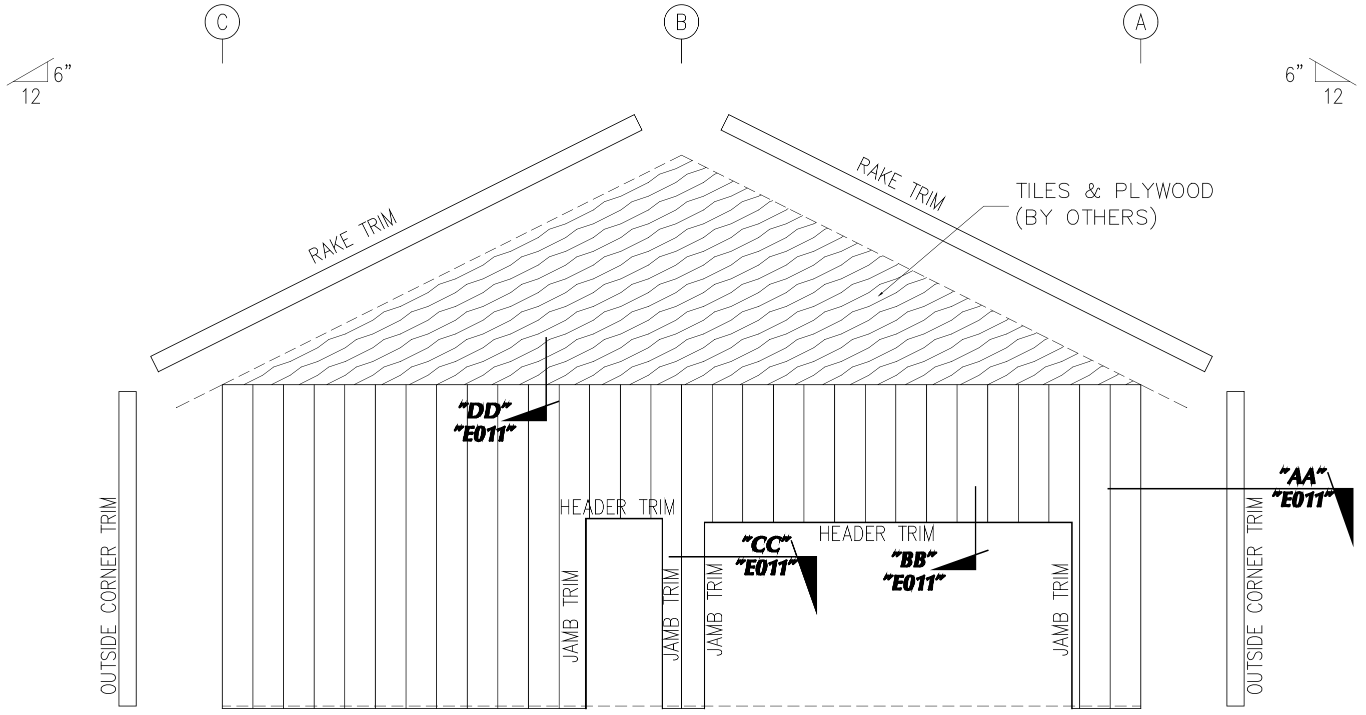
BOLT TABLE FRAME LINE 1				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE FRAME LINE 1	
MARK	PART
EC-1	W08542
DJ-1	8x25C16
DJ-2	8x25C16
DH-1	8x25C16
DH-2	8x25C16
G-1	8x25Z16
G-2	8x25Z16
G-3	8x25C16
G-4	8x25Z16
G-5	8x25Z16
G-6	8x25Z16
G-7	8x25Z16



ENDWALL FRAMING: FRAME LINE 1

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 24 GA. MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI
CUSTOMER TO VERIFY

NOTE:
FIELD CUT PANEL TO SUIT ROOF SLOPE:

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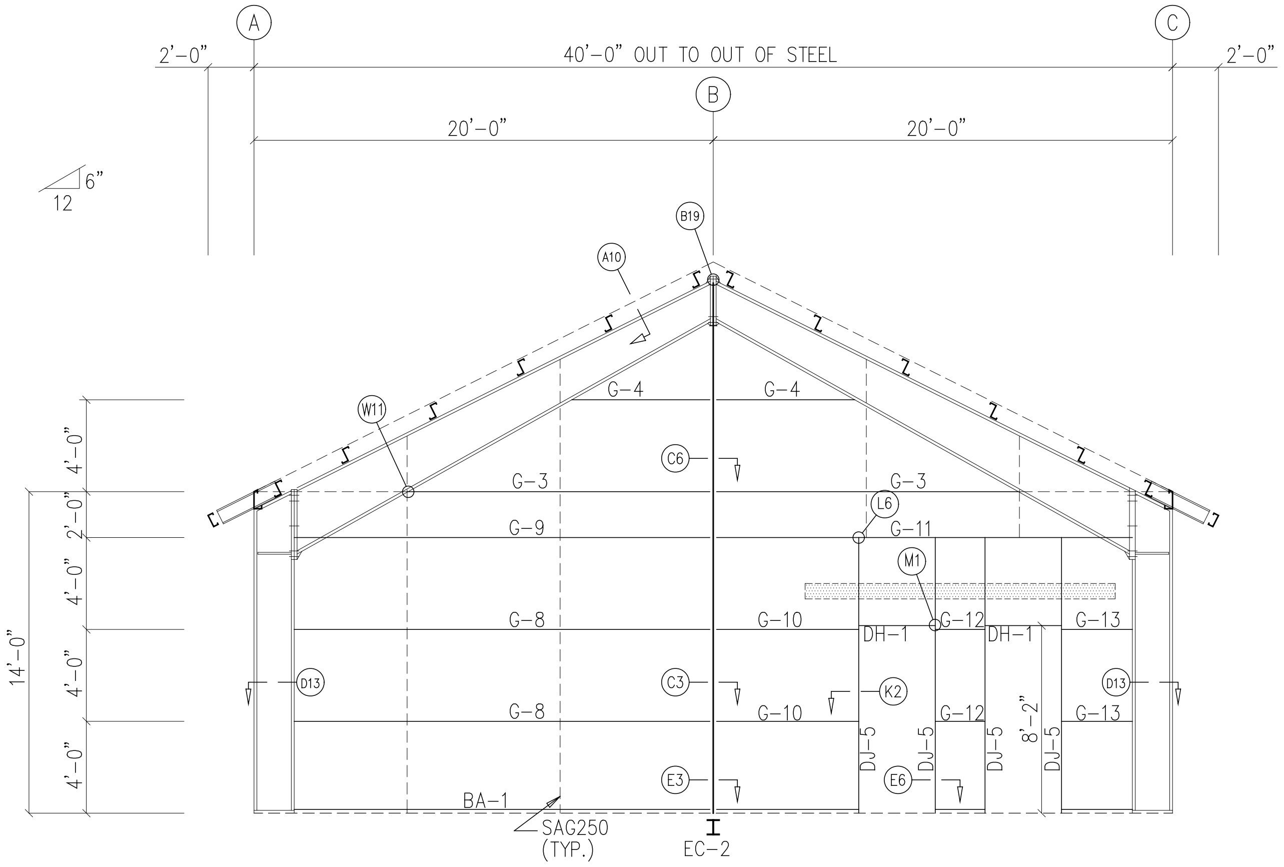
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ENDWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	E05 OF 13	B

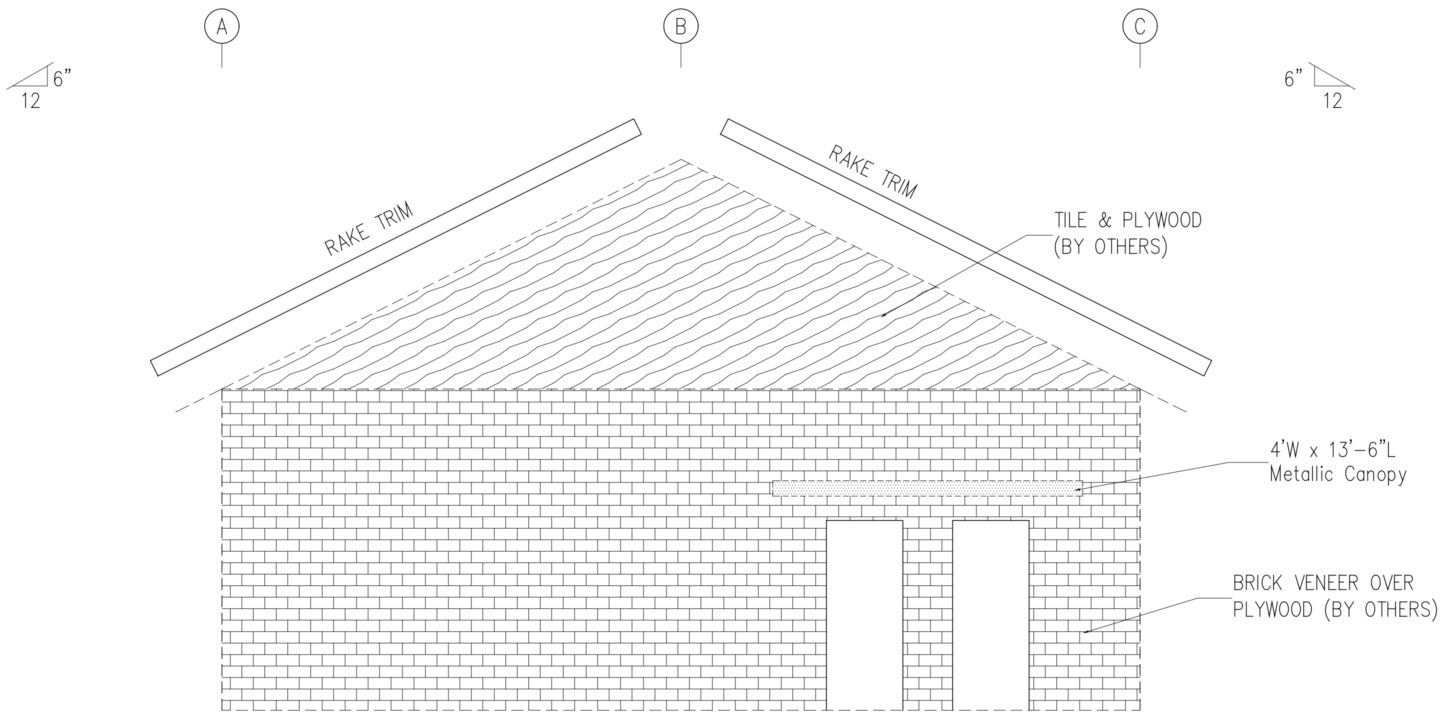
BOLT TABLE FRAME LINE 4				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE FRAME LINE 4	
MARK	PART
EC-2	W08542
DJ-5	8x25C16
DH-1	8x25C16
G-3	8x25C16
G-4	8x25Z16
G-8	8x25Z16
G-9	8x25Z16
G-10	8x25Z16
G-11	8x25Z16
G-12	8x25Z16
G-13	8x25Z16



ENDWALL FRAMING: FRAME LINE 4

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



ENDWALL SHEETING & TRIM: FRAME LINE 4

ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI
CUSTOMER TO VERIFY

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EXP 09/30/2024
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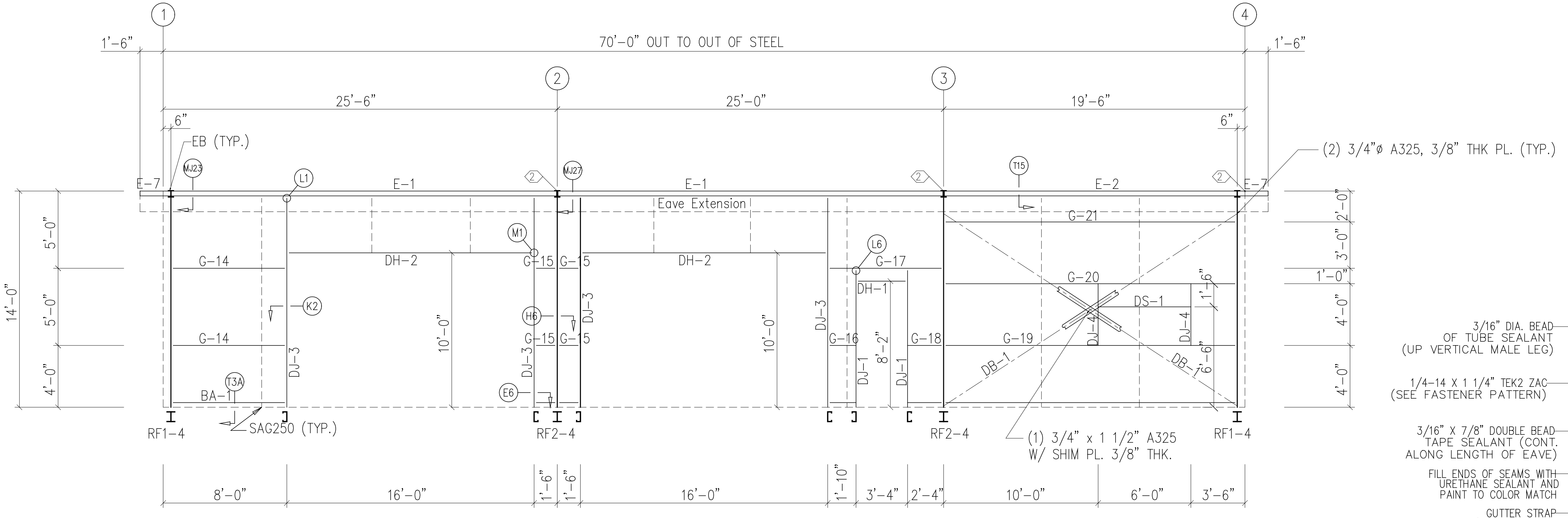
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ENDWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	E06 OF 13	B

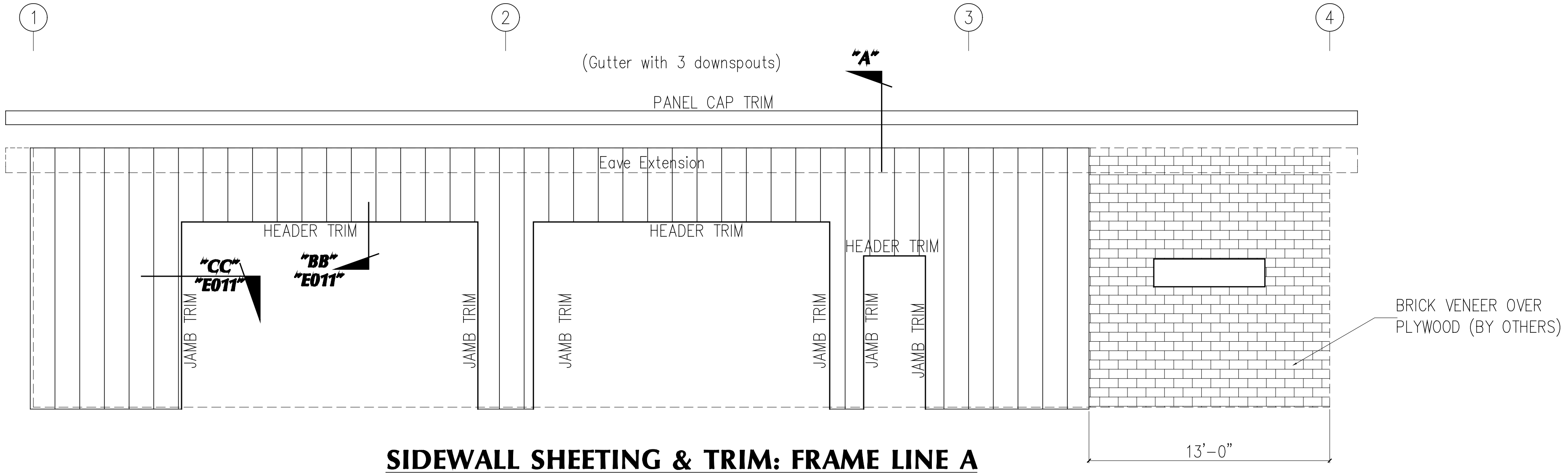
SPECIAL BOLTS					
○ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	2	A325	1/2"	1 1/4"	0

MEMBER TABLE FRAME LINE A	
MARK	PART
DJ-1	8x25C16
DJ-3	8x25C16
DJ-4	8x25C16
DH-1	8x25C16
DH-2	8x25C16
DS-1	8x25C16
E-1	L8ES12
E-2	L8ES12
E-7	L8ES12
G-14	8x25Z16
G-15	8x25Z16
G-16	8x25Z16
G-17	8x25Z16
G-18	8x25Z16
G-19	8x25Z16
G-20	8x25C16
G-21	8x25Z16
DB-1	L3x3x316



SIDEWALL FRAMING: FRAME LINE A

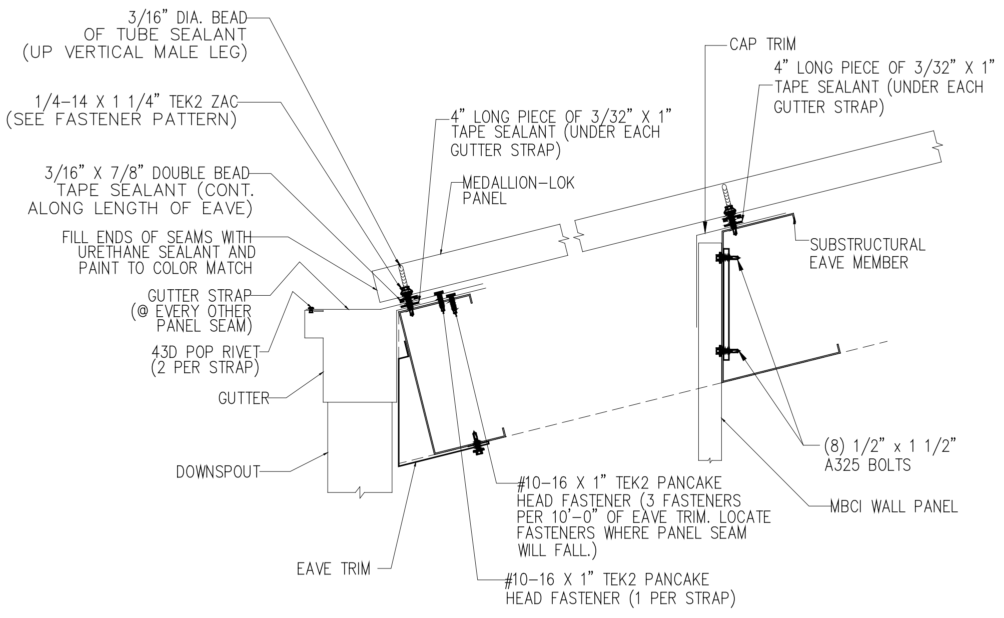
W/ 3" THK. OS WALL INSULATION (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 24 GA. MBCI DESIGNER SERIES 16" - CHARCOAL GRAY

ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI
CUSTOMER TO VERIFY


3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
1/4-14 X 1 1/4" TEK2 ZAC (SEE FASTENER PATTERN)
3/16" X 7/8" DOUBLE BEAD TAPE SEALANT (CONT. ALONG LENGTH OF EAVE)
FILL ENDS OF SEAMS WITH URETHANE SEALANT AND PAINT TO COLOR MATCH
GUTTER STRAP (@ EVERY OTHER PANEL SEAM)
43D POP RIVET (2 PER STRAP)
GUTTER
DOWNSPOUT
EAVE TRIM
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
MEDALLION-LOK PANEL
CAP TRIM
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
SUBSTRUCTURAL EAVE MEMBER
(8) 1/2" x 1 1/2" A325 BOLTS
MBCI WALL PANEL
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (3 FASTENERS PER 10'-0" OF EAVE TRIM. LOCATE FASTENERS WHERE PANEL SEAM WILL FALL.)
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (1 PER STRAP)

SECTION 'A'

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C 83009
EXP 09/30/2024

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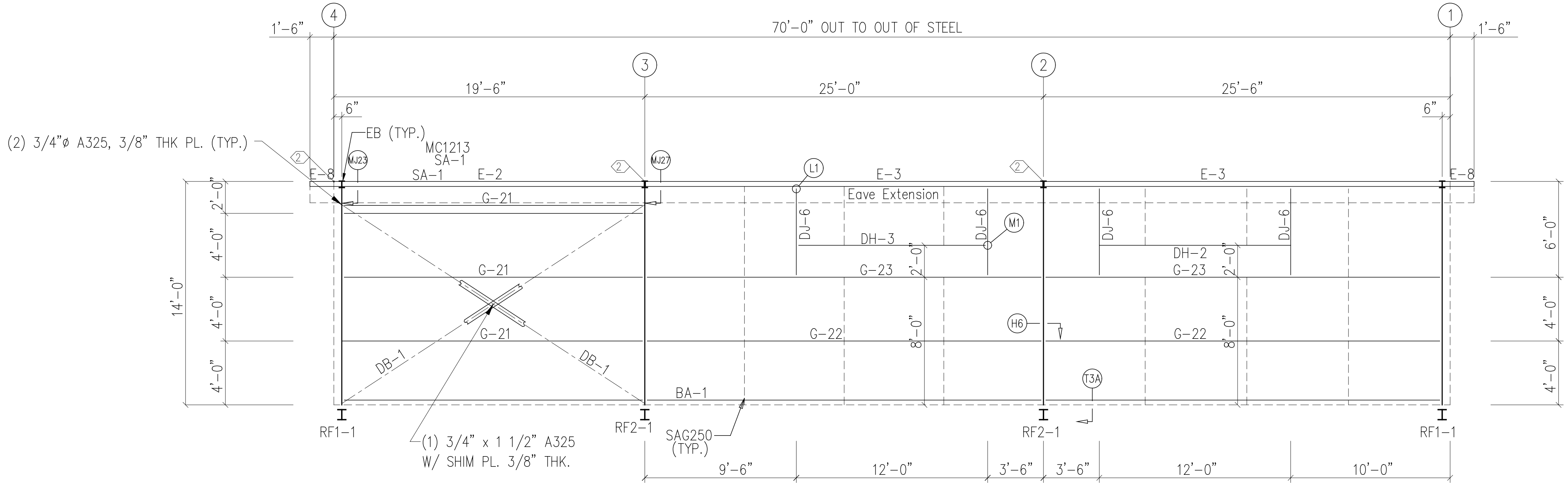
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	SIDEWALL FRAMING SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
75886	167835	N.T.S.	E07 OF 13	B

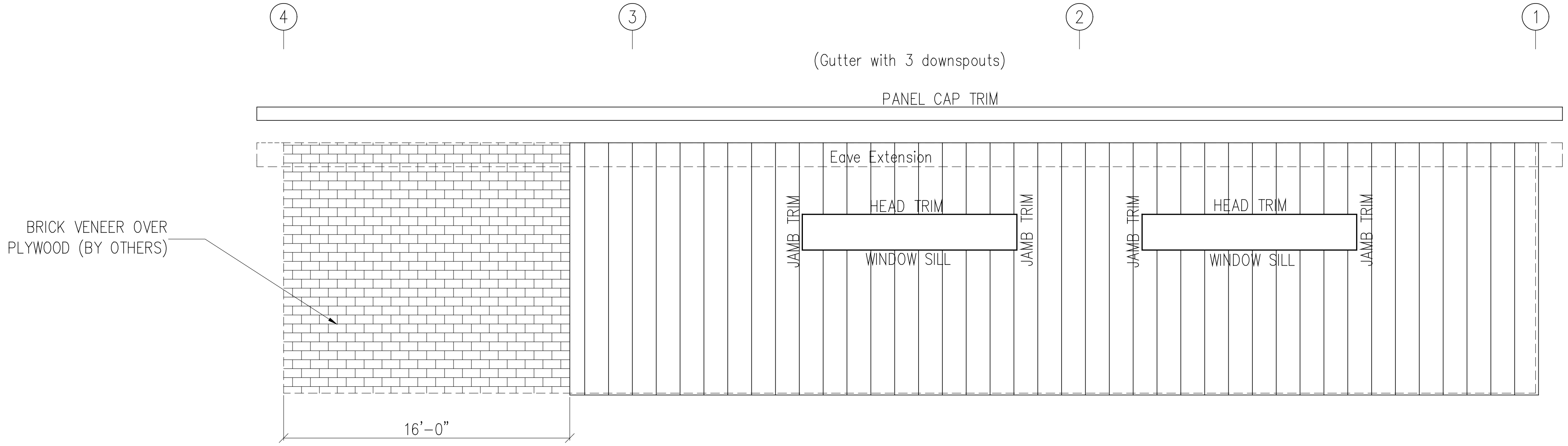
SPECIAL BOLTS					
○ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	2	A325	1/2"	1 1/4"	0

MEMBER TABLE FRAME LINE C	
MARK	PART
DJ-6	8x25C16
DH-3	8x25C16
E-2	L8ES12
E-3	L8ES12
E-7	L8ES12
G-21	8x25Z16
G-22	8x25Z16
G-23	8x25C16
DB-1	L3x3x316



SIDEWALL FRAMING: FRAME LINE C

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE C

PANELS: 24 GA. MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI
CUSTOMER TO VERIFY

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Phone : (281) 443-9065
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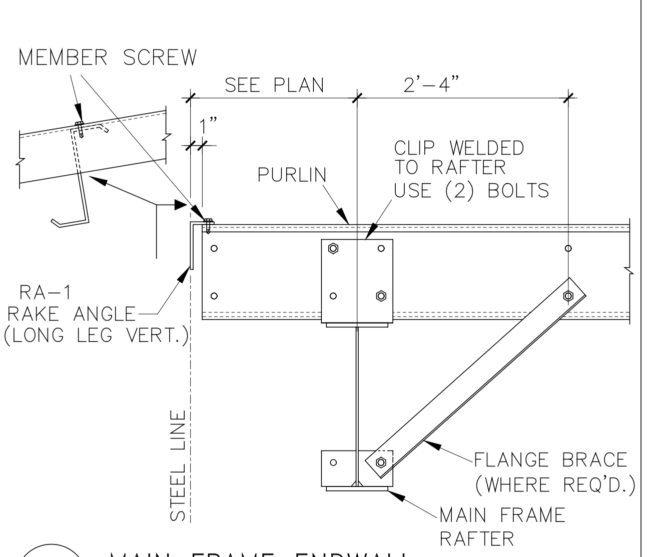
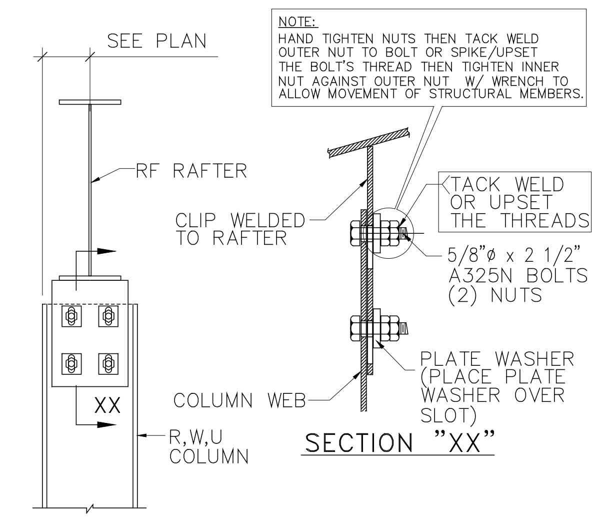
DESCRIPTION	SIDEWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE:	DWG. NO.:	ISSUE:
75886	167835	N.T.S.	E08 OF 13	A


MEMBER SCREW
SEE PLAN
2'–4"
1"
PURLIN
CLIP WELDED TO RAFTER USE (2) BOLTS
RA–1 RAKE ANGLE (LONG LEG VERT.)
STEEL LINE
FLANGE BRACE (WHERE REQ'D.)
MAIN FRAME RAFTER

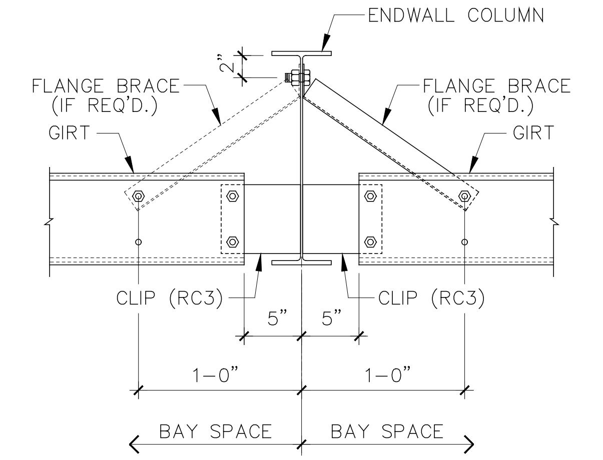
A10 **MAIN FRAME ENDWALL**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.


SEE PLAN
NOTE:
HAND TIGHTEN NUTS THEN TACK WELD OUTER NUT TO BOLT OR SPIKE/UPSET THE BOLT'S THREAD THEN TIGHTEN INNER NUT AGAINST OUTER NUT W/ WRENCH TO ALLOW MOVEMENT OF STRUCTURAL MEMBERS.
RF RAFTER
CLIP WELDED TO RAFTER
TACK WELD OR UPSET THE THREADS
5/8"ø x 2 1/2" A325N BOLTS (2) NUTS
XX
COLUMN WEB
PLATE WASHER (PLACE PLATE WASHER OVER SLOT)
R,W,U COLUMN
SECTION "XX"

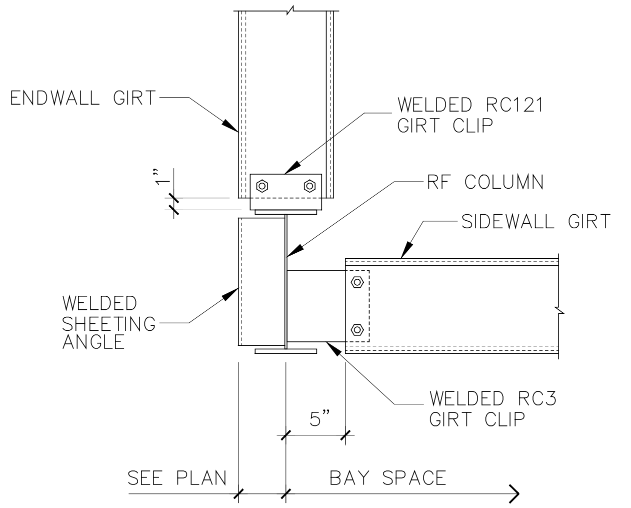
B19 **ENDWALL COLUMN TO RF RAFTER**

ALL BOLTS ARE 1/2"ø x 1 1/2" A325 U.N.



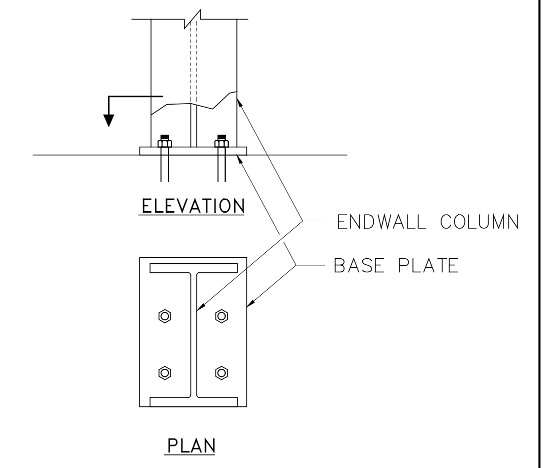
C6 **FLUSH GIRT TO ENDWALL COLUMN WITH WELDED CLIP**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



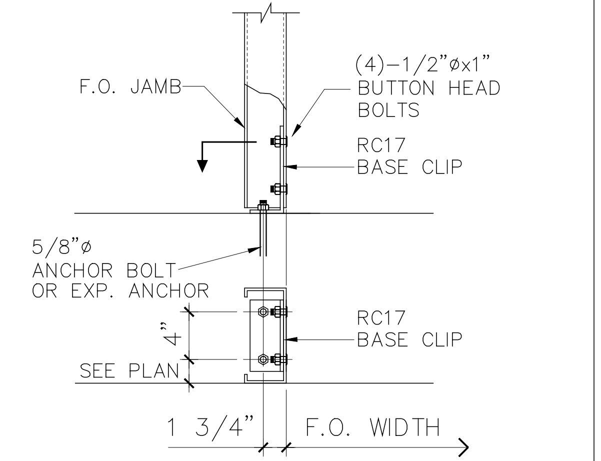
D13 **RF CORNER COLUMN TO WALL GIRT**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



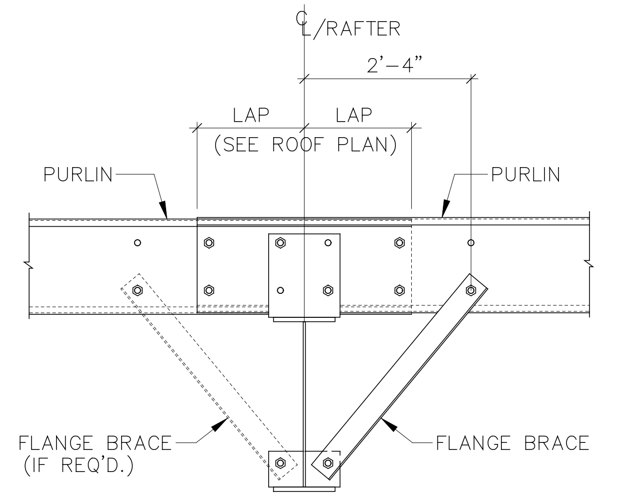
E3 **BASE PLATE FOR ENDWALL COLUMN**

SEE ANCHOR BOLT PLAN & DETAILS



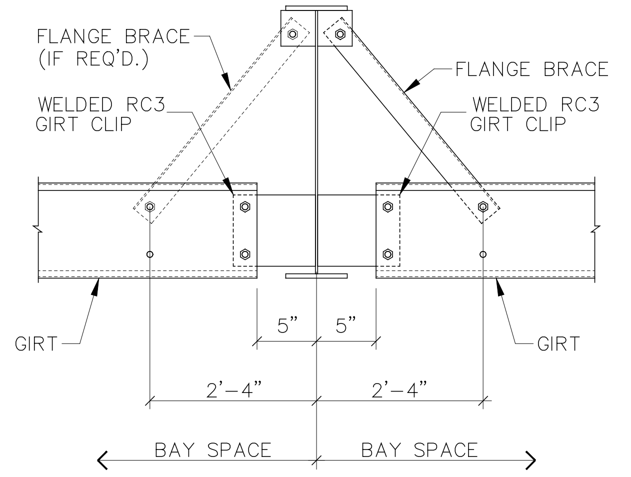
E6 **"FO" JAMB BASE DETAIL**

WITH BOLTED BASE CLIP



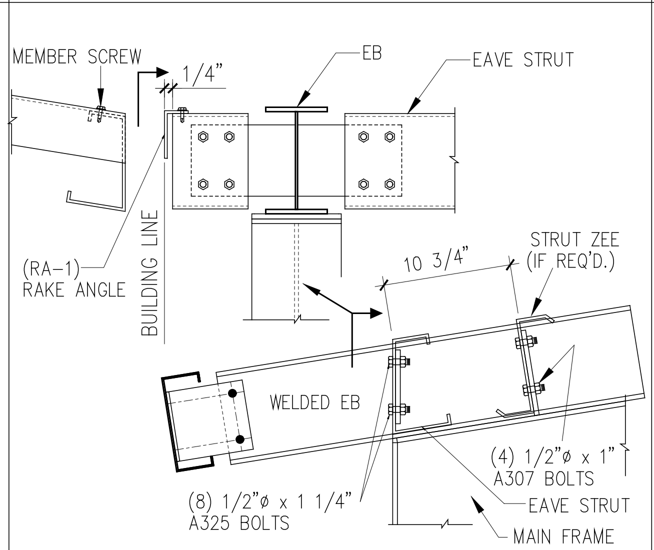
G2 **BY–PASS PURLIN TO RAFTER DETAIL**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



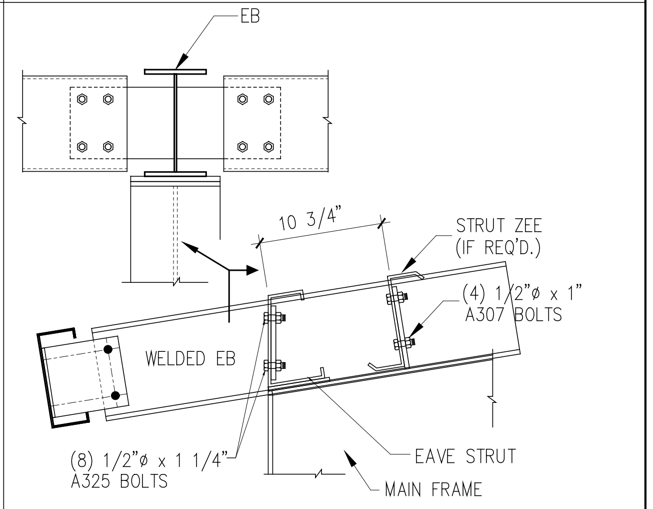
H6 **FLUSH WALL GIRT TO RF COLUMN**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



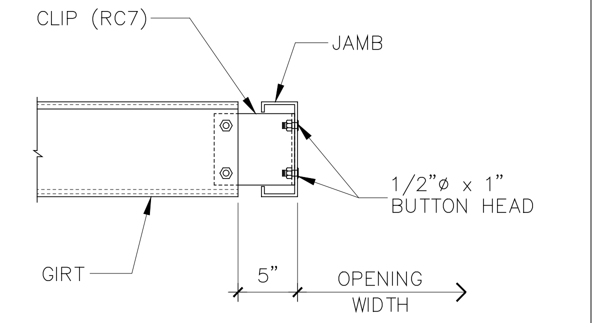
MJ23 **LOW EAVE DETAIL (FLUSH CONDITION)**

AT END FRAME



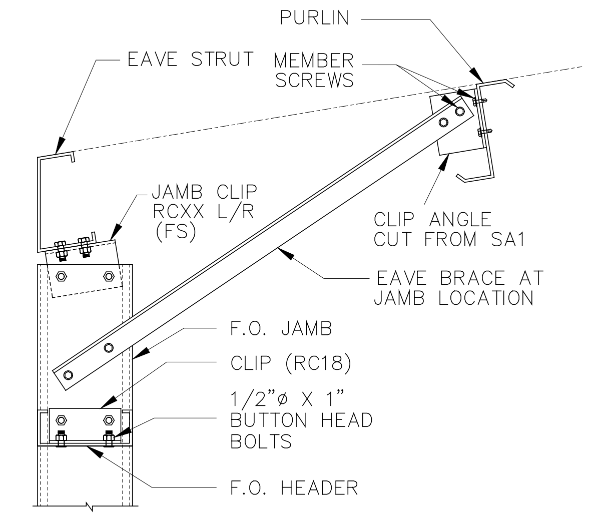
M27 **LOW EAVE DETAIL (FLUSH CONDITION) @ FL– 2,3 & 4**

AT INTERIOR FRAME



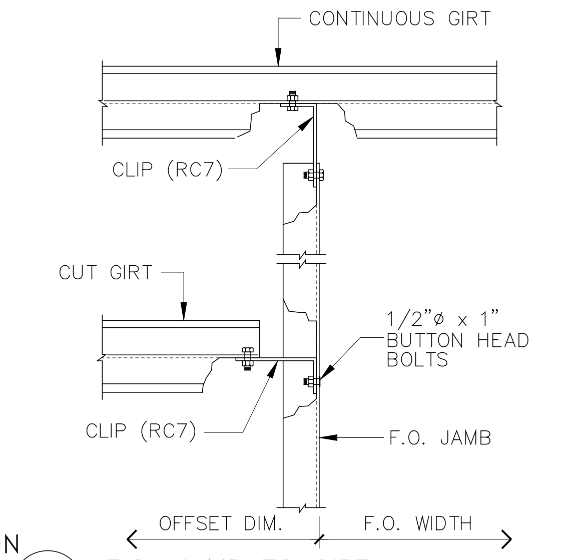
K2 **GIRT TO FRAMED OPENING JAMB**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



L1 **F.O. JAMB TO EAVE STRUT CONNECTION FOR OVERHEAD DOOR, ROLL–UP DOOR**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



L6 **F.O. JAMB TO GIRT**

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
Fax : (281) 443–9064

DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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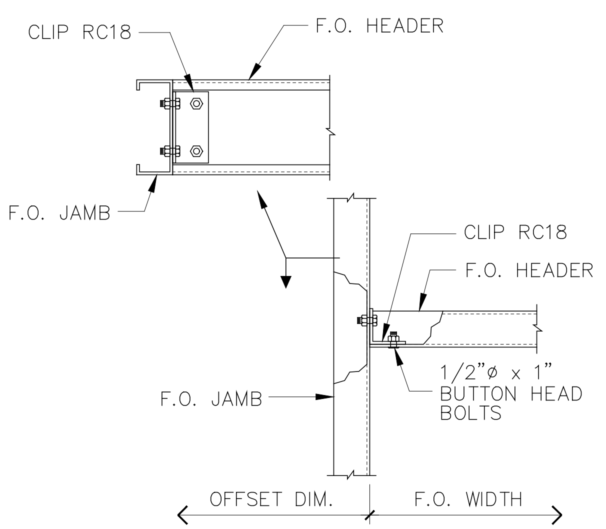
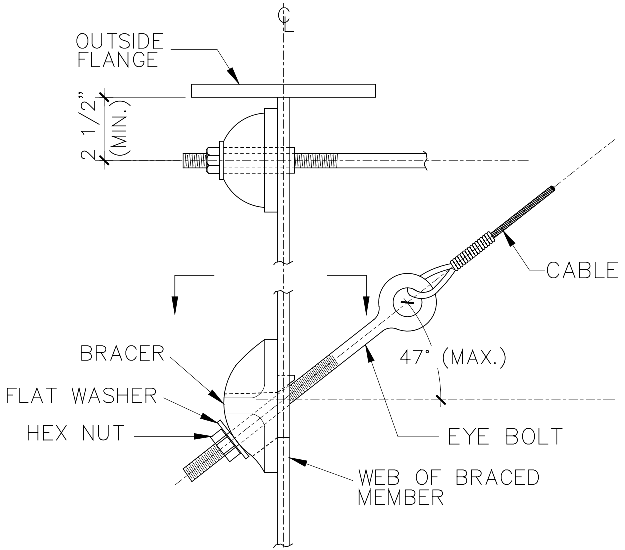
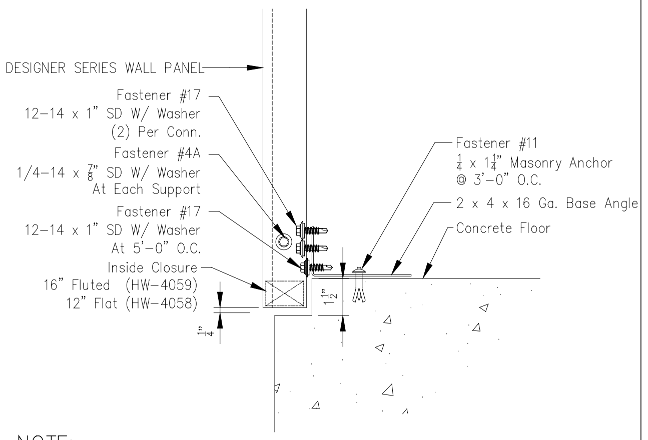


M1 F.O. HEADER TO F.O. JAMB

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



Q2 CABLE BRACE CONNECTION DETAIL

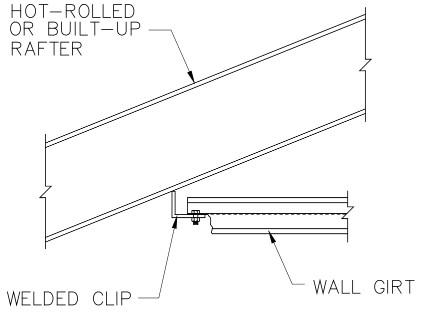


NOTE:

METAL WALL SHEETS SHALL BE SET 1/4" ABOVE CONC. NOTCH. METAL SHEETS SHOULD NOT TOUCH THE CONC. NOTCH, WHICH WOULD VOID THE WARRANTY.

T3A DETAIL BASE w/ NOTCH

ID T3_NOTCH; NO TRIM-ANGLE-NOTCH



W11 ENDWALL GIRT TO RAFTER CONECTION

ALL BOLTS ARE 1/2"ø x 1" A307

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STREET	41625 CAMINO DEL VINO		
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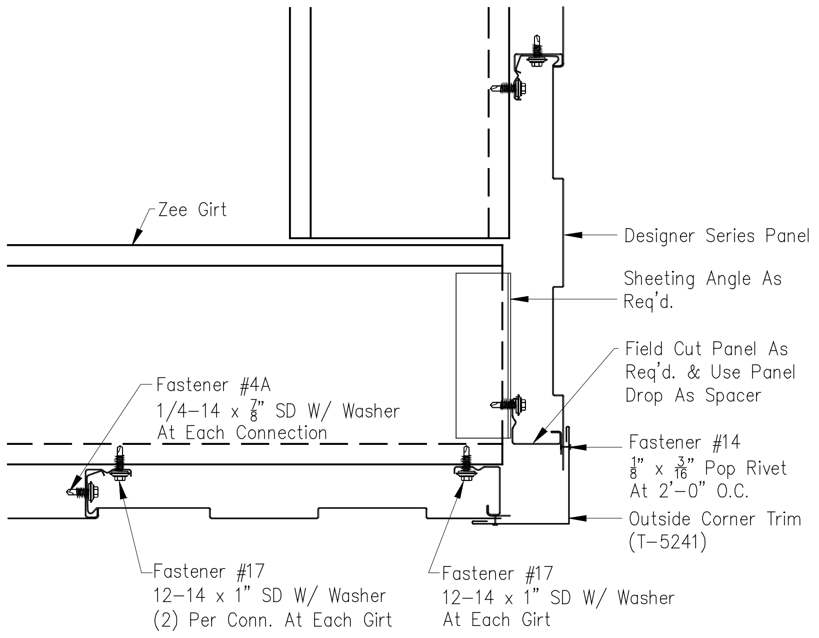
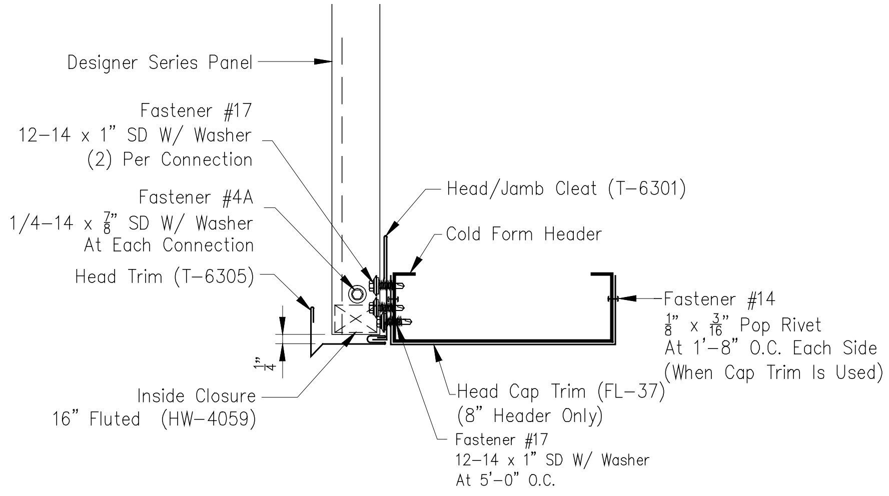
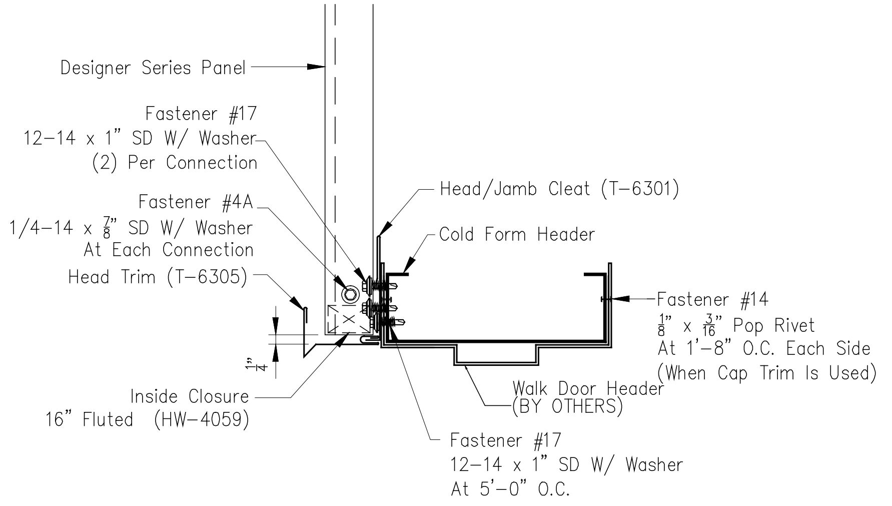

Zee Girt
Designer Series Panel
Sheeting Angle As Req'd.
Field Cut Panel As Req'd. & Use Panel Drop As Spacer
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Connection
Fastener #14 1/8" x 3/16" Pop Rivet At 2'–0" O.C.
Outside Corner Trim (T–5241)
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Conn. At Each Girt
Fastener #17 12–14 x 1" SD W/ Washer At Each Girt

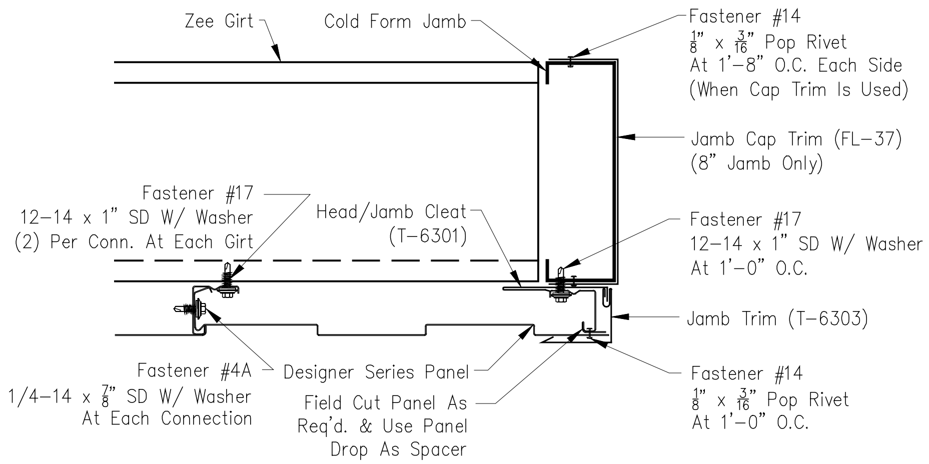
AA OUTSIDE CORNER DETAIL FINISHING IN HIGH


Designer Series Panel
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Connection
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Connection
Head Trim (T–6305)
Inside Closure 16" Fluted (HW–4059)
Head/Jamb Cleat (T–6301)
Cold Form Header
Fastener #14 1/8" x 3/16" Pop Rivet At 1'–8" O.C. Each Side (When Cap Trim Is Used)
Head Cap Trim (FL–37) (8" Header Only)
Fastener #17 12–14 x 1" SD W/ Washer At 5'–0" O.C.

BB F.O. HEADER


Designer Series Panel
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Connection
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Connection
Head Trim (T–6305)
Inside Closure 16" Fluted (HW–4059)
Head/Jamb Cleat (T–6301)
Cold Form Header
Fastener #14 1/8" x 3/16" Pop Rivet At 1'–8" O.C. Each Side (When Cap Trim Is Used)
Walk Door Header (BY OTHERS)
Fastener #17 12–14 x 1" SD W/ Washer At 5'–0" O.C.

FOR WALKDOOR F.O. HEADER


Zee Girt
Cold Form Jamb
Fastener #14 1/8" x 3/16" Pop Rivet At 1'–8" O.C. Each Side (When Cap Trim Is Used)
Jamb Cap Trim (FL–37) (8" Jamb Only)
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Conn. At Each Girt
Head/Jamb Cleat (T–6301)
Fastener #17 12–14 x 1" SD W/ Washer At 1'–0" O.C.
Jamb Trim (T–6303)
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Connection
Designer Series Panel
Field Cut Panel As Req'd. & Use Panel Drop As Spacer
Fastener #14 1/8" x 3/16" Pop Rivet At 1'–0" O.C.

CC F.O. JAMB

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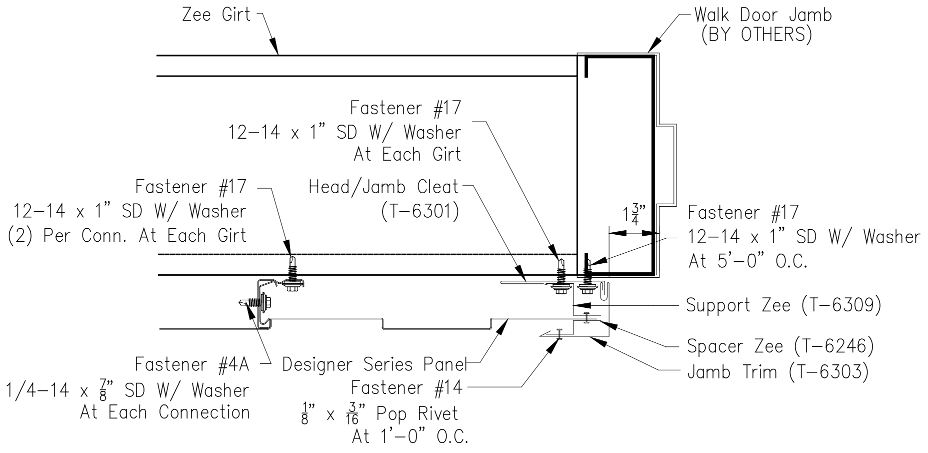
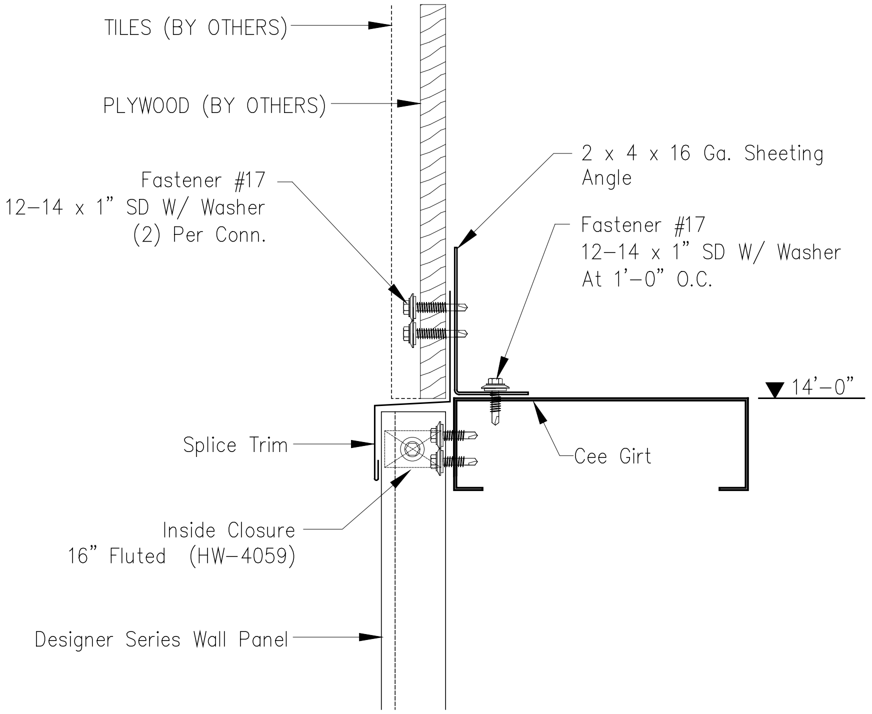
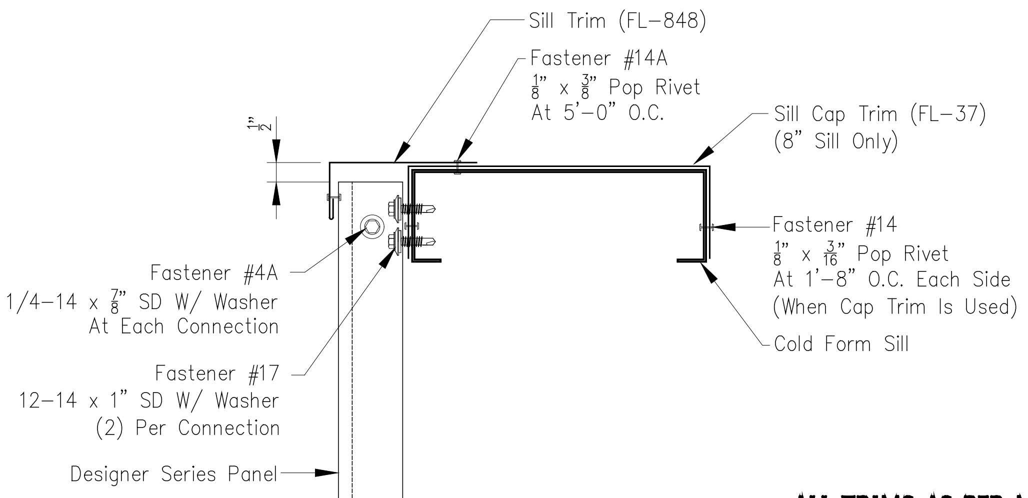

Zee Girt
Walk Door Jamb (BY OTHERS)
Fastener #17 12–14 x 1" SD W/ Washer At Each Girt
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Conn. At Each Girt
Head/Jamb Cleat (T–6301)
1 3/4"
Fastener #17 12–14 x 1" SD W/ Washer At 5'–0" O.C.
Support Zee (T–6309)
Spacer Zee (T–6246)
Jamb Trim (T–6303)
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Connection
Designer Series Panel
Fastener #14 1/8" x 3/16" Pop Rivet At 1'–0" O.C.

WALKDOOR JAMB


TILES (BY OTHERS)
PLYWOOD (BY OTHERS)
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Conn.
2 x 4 x 16 Ga. Sheeting Angle
Fastener #17 12–14 x 1" SD W/ Washer At 1'–0" O.C.
14'–0"
Splice Trim
Cee Girt
Inside Closure 16" Fluted (HW–4059)
Designer Series Wall Panel

DD SPLICE DETAIL


Sill Trim (FL–848)
Fastener #14A 1/8" x 3/8" Pop Rivet At 5'–0" O.C.
Sill Cap Trim (FL–37) (8" Sill Only)
Fastener #14 1/8" x 3/16" Pop Rivet At 1'–8" O.C. Each Side (When Cap Trim Is Used)
Cold Form Sill
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Connection
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Connection
Designer Series Panel

SILL DETAIL

ALL TRIMS AS PER MBCI
CUSTOMER TO VERIFY

FOR
PERMIT

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STREET	41625 CAMINO DEL VINO		
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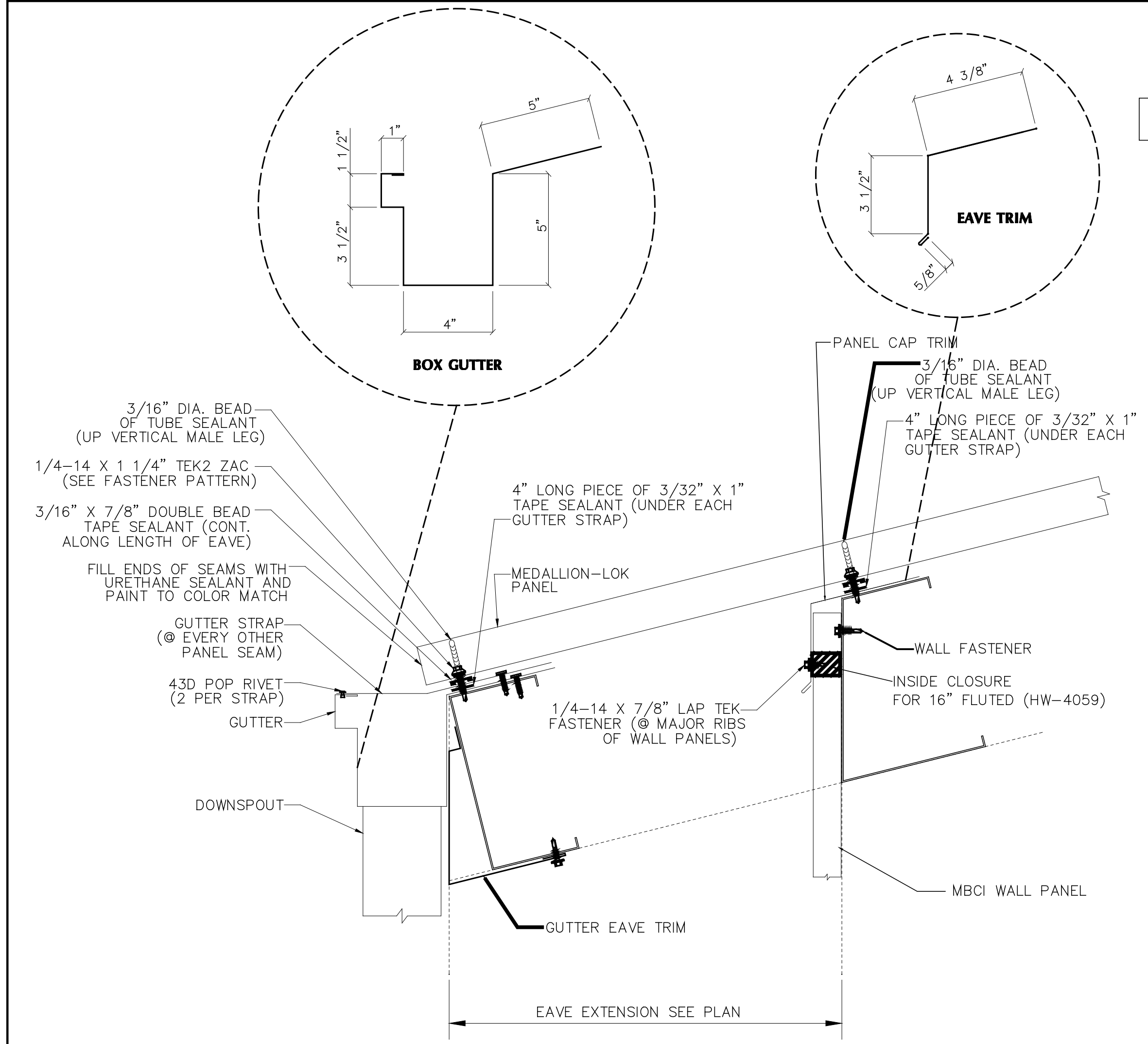
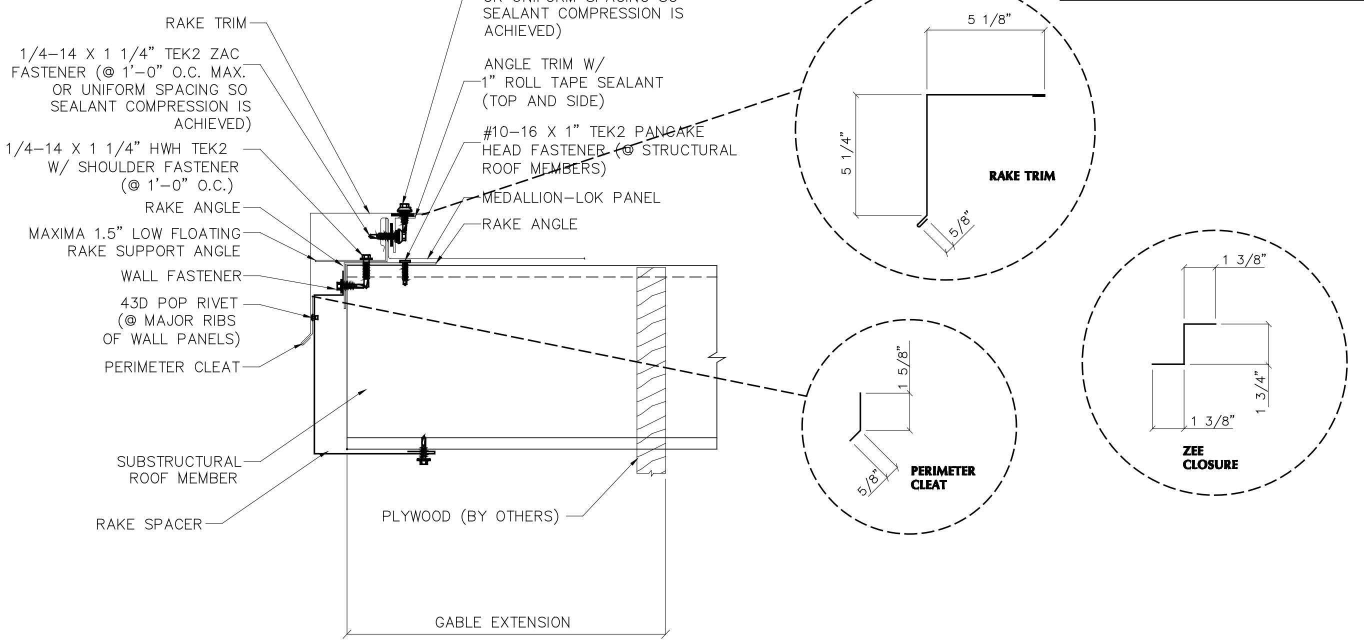


BOX GUTTER
1"
1 1/2"
3 1/2"
5"
5"
4"
EAVE TRIM
4 3/8"
3 1/2"
5/8"
3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
1/4-14 X 1 1/4" TEK2 ZAC (SEE FASTENER PATTERN)
3/16" X 7/8" DOUBLE BEAD TAPE SEALANT (CONT. ALONG LENGTH OF EAVE)
FILL ENDS OF SEAMS WITH URETHANE SEALANT AND PAINT TO COLOR MATCH
GUTTER STRAP (@ EVERY OTHER PANEL SEAM)
43D POP RIVET (2 PER STRAP)
GUTTER
DOWNSPOUT
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
MEDALLION-LOK PANEL
1/4-14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS OF WALL PANELS)
PANEL CAP TRIM
3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
WALL FASTENER
INSIDE CLOSURE FOR 16" FLUTED (HW-4059)
MBCI WALL PANEL
GUTTER EAVE TRIM
EAVE EXTENSION SEE PLAN

AE2 EAVE W/ GUTTER DETAIL

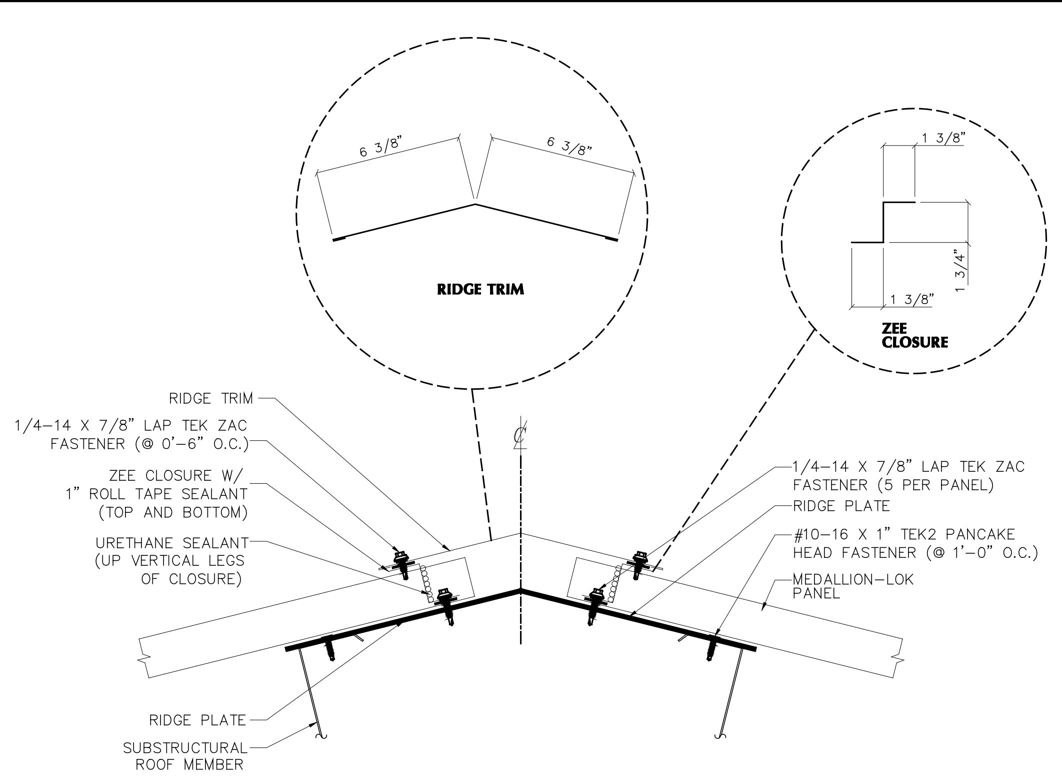
USE MCELROY STANDARDS

USE MCELROY STANDARDS



1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 1'-0" O.C. MAX. OR UNIFORM SPACING SO SEALANT COMPRESSION IS ACHIEVED)
ANGLE TRIM W/ 1" ROLL TAPE SEALANT (TOP AND SIDE)
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ STRUCTURAL ROOF MEMBERS)
MEDALLION-LOK PANEL
RAKE ANGLE
RAKE TRIM
1/4-14 X 1 1/4" TEK2 ZAC FASTENER (@ 1'-0" O.C. MAX. OR UNIFORM SPACING SO SEALANT COMPRESSION IS ACHIEVED)
1/4-14 X 1 1/4" HWH TEK2 W/ SHOULDER FASTENER (@ 1'-0" O.C.)
RAKE ANGLE
MAXIMA 1.5" LOW FLOATING RAKE SUPPORT ANGLE
WALL FASTENER
43D POP RIVET (@ MAJOR RIBS OF WALL PANELS)
PERIMETER CLEAT
SUBSTRUCTURAL ROOF MEMBER
RAKE SPACER
PLYWOOD (BY OTHERS)
GABLE EXTENSION
5 1/8"
5 1/4"
5/8"
RAKE TRIM
1 5/8"
5/8"
PERIMETER CLEAT
1 3/8"
3/4"
1 3/8"
ZEE CLOSURE

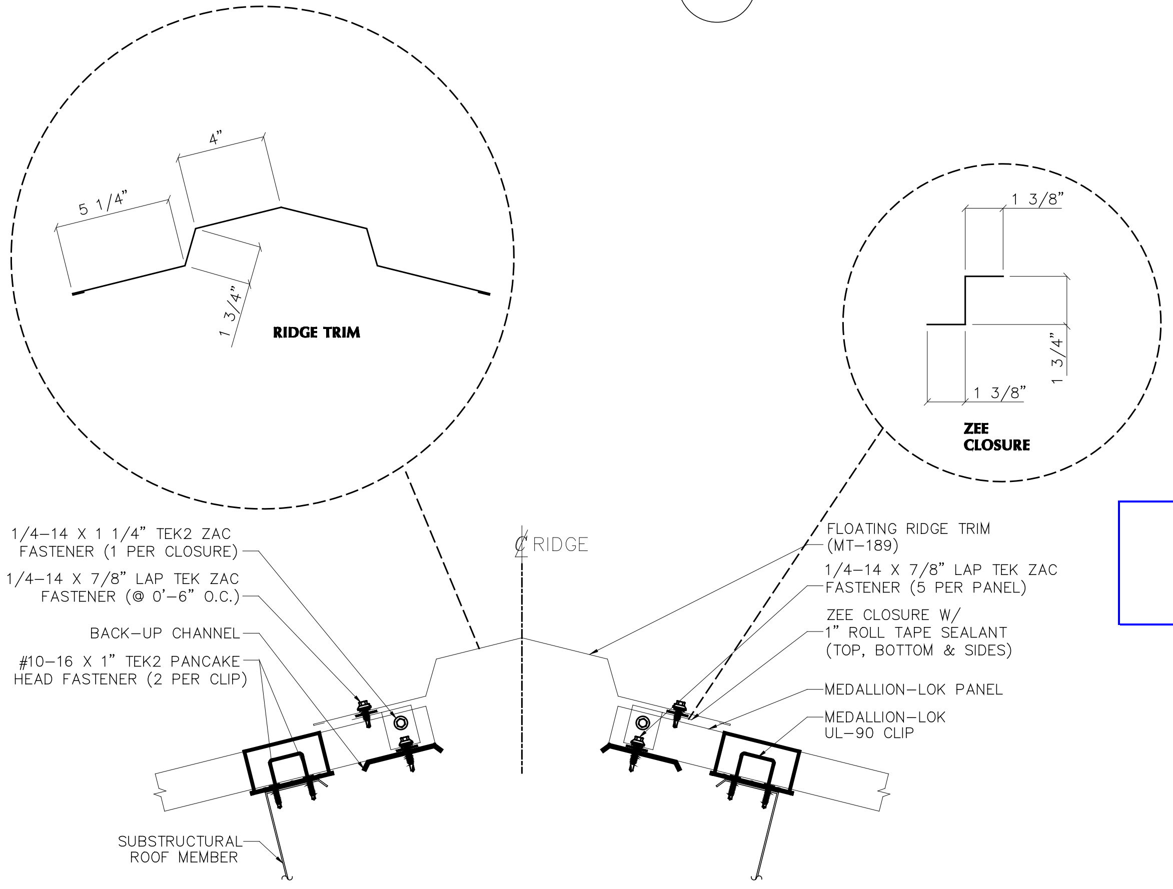
CE2 FLOATING RAKE DETAIL



6 3/8"
6 3/8"
RIDGE TRIM
1 3/8"
3/4"
1 3/8"
ZEE CLOSURE
℄
RIDGE TRIM
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 0'-6" O.C.)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP AND BOTTOM)
URETHANE SEALANT (UP VERTICAL LEGS OF CLOSURE)
RIDGE PLATE
SUBSTRUCTURAL ROOF MEMBER
1/4-14 X 7/8" LAP TEK ZAC FASTENER (5 PER PANEL)
RIDGE PLATE
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ 1'-0" O.C.)
MEDALLION-LOK PANEL

BE2 FIXED RIDGE DETAIL

USE MCELROY STANDARDS



4"
5 1/4"
1 3/4"
RIDGE TRIM
1 3/8"
3/4"
1 3/8"
ZEE CLOSURE
℄ RIDGE
1/4-14 X 1 1/4" TEK2 ZAC FASTENER (1 PER CLOSURE)
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 0'-6" O.C.)
BACK-UP CHANNEL
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (2 PER CLIP)
SUBSTRUCTURAL ROOF MEMBER
FLOATING RIDGE TRIM (MT-189)
1/4-14 X 7/8" LAP TEK ZAC FASTENER (5 PER PANEL)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP, BOTTOM & SIDES)
MEDALLION-LOK PANEL
MEDALLION-LOK UL-90 CLIP

BE2 FLOATING RIDGE DETAIL

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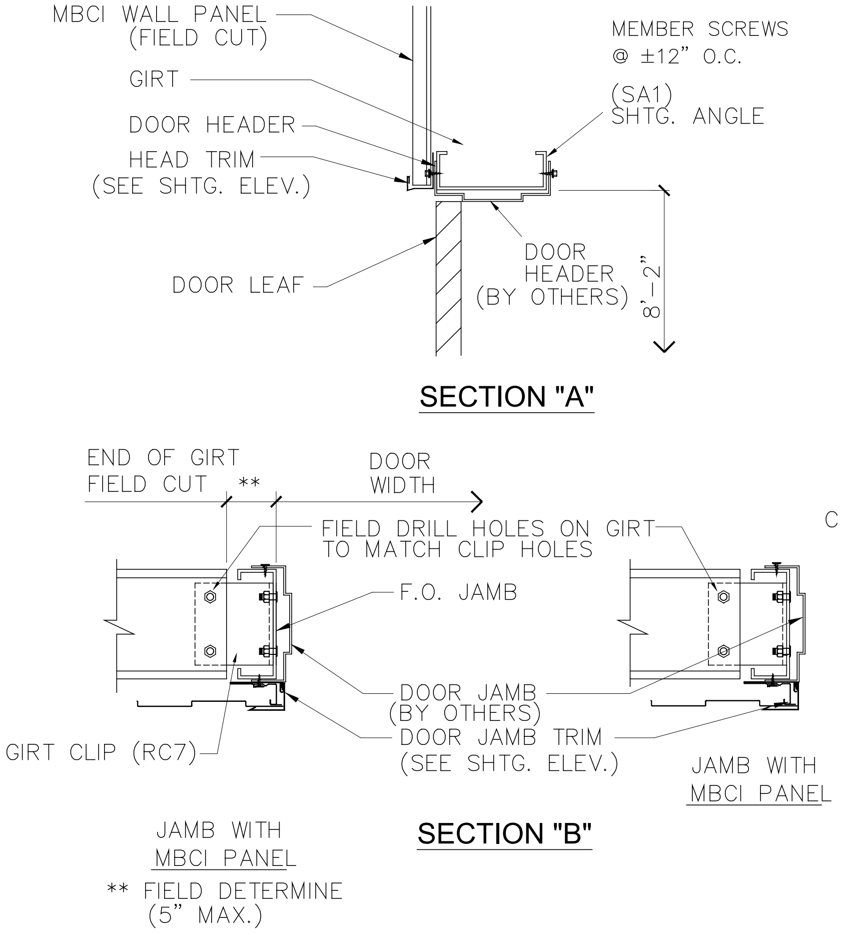
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	A
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		
SALES NO.: 75886	JOB NO.: 167835	SCALE: N.T.S.	DWG. NO.: E12 OF 13

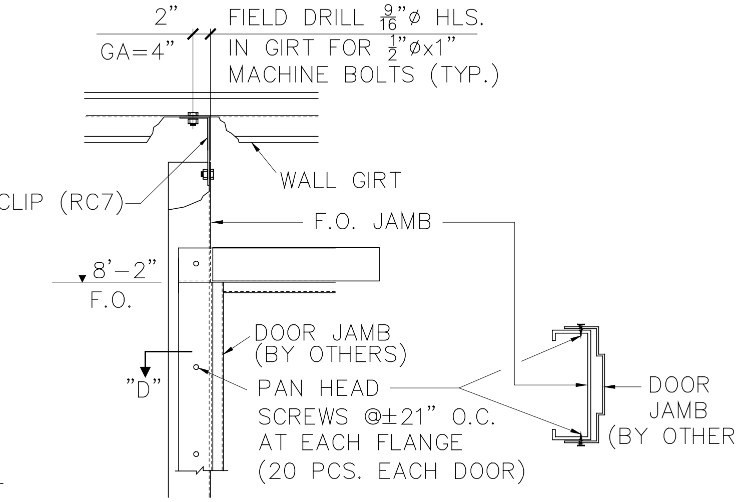
ISSUE: B

NOTES:
1. DETAIL SHOWN IS FOR FIELD LOCATE WALKDOOR F.O. JAMBS & HEADERS ONLY
2. INSTALLATION OF WALKDOOR IS FOR REFERENCE ONLY, PROPER PROCEDURE PROVIDED BY THE DOOR SUPPLIER MUST GOVERN.



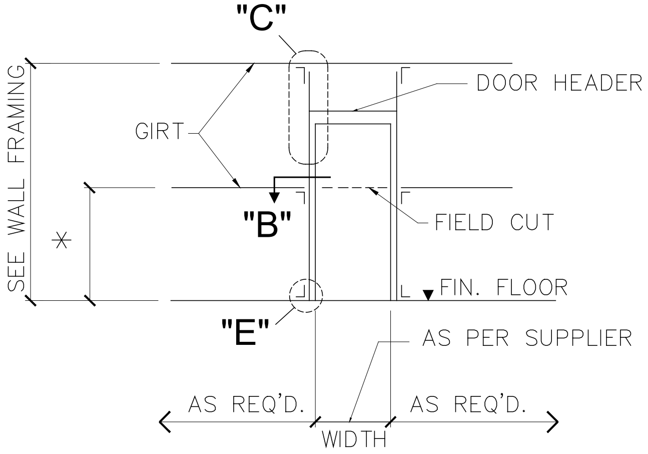
SECTION "A"

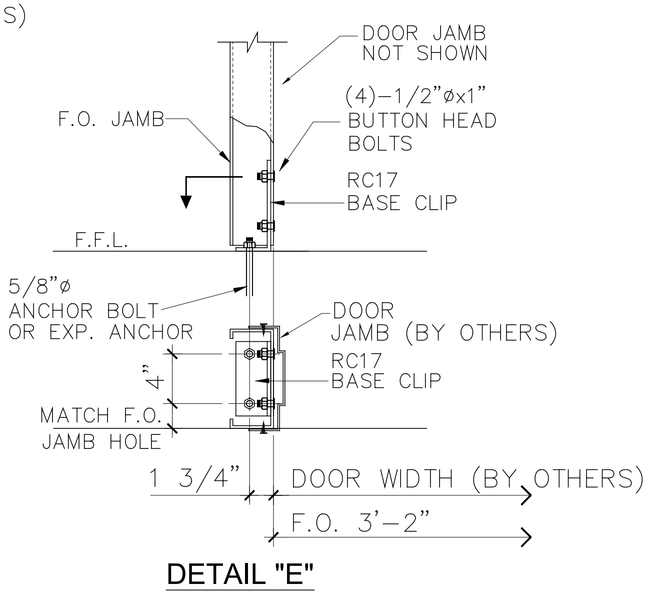
SECTION "B"


2"
GA=4"
FIELD DRILL $\frac{9}{16}$"ø HLS. IN GIRT FOR $\frac{1}{2}$"øx1" MACHINE BOLTS (TYP.)
WALL GIRT
CLIP (RC7)
F.O. JAMB
8'-2" F.O.
"D"
DOOR JAMB (BY OTHERS)
PAN HEAD SCREWS @±21" O.C. AT EACH FLANGE (20 PCS. EACH DOOR)
DOOR JAMB (BY OTHERS)

DETAIL "C"

SECTION "D"





DETAIL "E"

TYPICAL WALK DOOR DETAIL WITH FRAMED OPENING

FOR PERMIT

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
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DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
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STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
75886	167835	N.T.S.	E13 OF 13	B

GENERAL NOTES

1.1 Fabrication shall be in accordance with R.G.B. standard practices in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the "AWS Structural Welding Code D1.1 and D1.3". R.G.B. manufacturing procedures are certified by:

Reference	Certification numbers
Houston	R.G.B. #456

1.2 MATERIALS

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
Hot Rolled Steel Shapes (W, S, C & L)	A572/A529	Fy = 50 KSI
Hot Rolled Steel Shapes (W)	A992	Fy = 50 KSI
Round Structural Tubing (HSS)	A500	Fy = 42 KSI
Square/Rect. Structural Tubing (HSS)	A500	Fy = 46 KSI
Structural Steel Web Plate	A572/A1011	Fy = 55 KSI
Structural Steel Flange Plates/Bars	A529/A572	Fy = 55 KSI
Cold Formed Light Gage	A653/A1011	Fy = 55 KSI
Roof and Wall Sheets	A792/A653	Fy = 50, 80 KSI
Cable Brace	A475	Extra High Strength
Rod Brace	A36	Fy = 36 KSI
		MIN. TENSILE STRENGTH
Machine Bolts & Nuts	A307	Fu = 60 KSI
High Strength Bolts (1"ø and less)	F3125/Gr. A325–TYPE 1	Fu = 120 KSI
High Strength Bolts (>1"ø to 1 1/2"ø)	F3125/Gr. A325–TYPE 1	Fu = 105 KSI
Anchor Bolts (if supplied)	A36/A307/F1554 Gr.36	Fu = 58–80 KSI

1.3 PRIMER
Shop primer paint is a rust inhibitive primer which meets the end performance of Federal Specification SSPC No. 15 and is R.G.B. Red or Gray Oxide color. This paint is not intended for long term exposure to the elements. R.G.B. is not responsible for any deterioration of the shop primer paint as a result of improper handling and/or jobsite storage. R.G.B. shall not be responsible for any field applied paint and/or coatings. (Section 6.5 AISC Code of Standard Practice, 16th Edition). Nominal thickness of primer will be 1 mil unless otherwise specified in contract documents.

1.4 GALVANIZED OR SPECIAL COATINGS:
See Contract Documents

1.5 ALL BOLTS ARE 1/2"ø x 0'–1" A307 (snug–tightened) EXCEPT :
a) Eave strut connection – 1/2"ø x 0'–1 1/4" A307 without washer (unless noted otherwise)
b) Endwall rafter splice – 5/8"ø x 0'–1 3/4" F3125/Gr. A325–N with washer
c) Endwall column to rafter connection – 1/2"ø x 0'–1 1/4" F3125/Gr. A325–N
d) Main frame moment splice connections – F3125/Gr. A325–N with washer, SEE CROSS SECTION for dimensions.

NOTE: One (01) washer is supplied on main frame moment splice and to A325 bolts unless noted otherwise on drawing

1.6 F3125/Gr. 325 BOLT TIGHTENING REQUIREMENTS
All high strength bolts are F3125/Gr. A325–N unless specifically noted otherwise. Structural bolts shall be tightened by the turn–of–the–nut or calibrated wrench methods in accordance with the 16th Edition AISC/RCSC "Specification For Structural Joints using ASTM F3125/Gr. A325 or A490 Bolts". Washers are supplied separately from High Strength Bolts, however, assembly with washers are required before erection. Installaltion inspection is recommended and be based on Section 9.1 and 9.2 of AISC/RCSC.

Snug–tight is permitted EXCEPT for the following conditions:
a) Building located in high seismic areas; Seismic Design Categories D, E, F
b) Building supporting cranes
c) Building supporting machinery that creates vibration, impact or stress reversal
d) Connections using ASTM A490
e) Connections using slip–critical condition
f) or as prohibited in the contracts/specifications

1.7 CLOSURE STRIPS ARE FURNISHED FOR APPLICATION:
INSIDE– Under roof panels at eave
OUTSIDE – Between endwall panels and rake trim
– Under continuous ridge vent skirts

1.8 ERECTION NOTE:
All bracing, strapping, & bridging shown and provided by R.G.B. for this building is required and shall be installed by the erector as a permanent part of the structure. If additional bracing is required for stability during erection, it shall be the erector's responsibility to determine the amount of such bracing and to procure and install as needed.

1.9 ERECTION AND UNLOADING NOT BY R.G.B.

1.10 SHORTAGES
Any claims or shortages by buyer must be made to R.G.B. within five (5) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed.

1.11 CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)
Claims for correction of alleged misfits will be disallowed unless R.G.B. shall have received prior notice thereof and allowed reasonable inspection of such misfits. The correction of minor misfits by the use of drift pins to draw the components into line, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the Building may be returned for alleged misfits without the prior approval of R.G.B.

BUYER/END USE CUSTOMER RESPONSIBILITIES

2.1 It is the responsibility of the BUYER/END USE CUSTOMER to obtain appropriate approvals and secure necessary permits from City, County, State, or Federal Agencies as required, and to advise/release R.G.B. to fabricate upon receiving such.

2.2 Rigid Global Buildings (hereafter referred to as R.G.B.) standard specifications apply unless stipulated otherwise in the Contract Documents. R.G.B. design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both Parties that the BUYER/END USE CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications.

2.3 In case of discrepancies between R.G.B. structural steel plans and plans for other trades, R.G.B. plans shall govern. (Section. 3 AISC Code of Standard Practices, 16th Edition)

2.4 Approval of R.G.B. drawings and calculations indicates that R.G.B. has correctly interpreted and applied the Contract Documents. This approval constitutes the contractor/owners acceptance of the R.G.B. design concepts, assumptions, and loading. (Section 4 AISC Code 15th Edition and MBMA 3.3.3)

2.5 Once the BUYER/END USE CUSTOMER has signed R.G.B. Approval Package and the project is released for fabrication, changes shall be billed to the BUYER/END USE CUSTOMER including material, engineering and other costs. An additional fee may be charged if the project must be moved from the fabrication and shipping schedule.

RIGID
GLOBAL BUILDINGS

DRAWING PACKAGE

SALES NO.	75886	JOB NO.	167836–37	BUILDING	B1 & B2
CUSTOMER	SEMPER FI STEEL BUILT LLC				
END USER	HAVEN VINEYARDS				
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE				
STREET	41625 CAMINO DEL VINO				
CITY ST ZIP	TEMECULA, CA 92592				
COUNTY	RIVERSIDE				

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

DESIGN LOADS:

Design Code : CBC 22 / IBC 21
Dead Load (psf) : Metal building structure only by RGB
Collateral Load (psf) : 7 (B1) (*) / 5 (B2)
(*) The structure will support the dead load of water–filled fire sprinkler system for bldg. B1.

Wind Load
Basic Design Wind Speed : V (3 sec. gust) = 96 mph
Allowable (Nominal) Stress Design Wind Speed : Vasd (3 sec. gust) = 74.36 mph
Risk Category : II – Normal
Wind Exposure : C
Internal Pressure Coefficient, GCPi : 0.180 /–0.180
Design Wind Pressure For Wall : Based on Allowable Stress Design Wind Speed
Components Wind Pressure (psf) : 10.29 (B1) / 9.60 (B2)
Components Wind Suction (psf) : –11.31 (B1) / –9.90 (B2)
Claddings Wind Pressure (psf) : 12.10 (B1) / 10.58 (B2)
Claddings Wind Suction (psf) : –13.12 (B1) / –11.46 (B2)
Enclosure Classified : Closed

Live Load
Primary Framing (psf) : 20.00
Trib. Area Reduction : Yes
Secondary Framing (psf) : 20.00

Snow Load
Ground Snow Load, Pg (psf) : 0.000
Roof Snow Load, Pf (psf) : 0
Sloped Roof Snow Load, Ps (psf) : 0
Snow Exposure Factor, Ce : 1.000
Snow Importance Factor, Is : 1.000
Thermal Factor, Ct : 1.000
Sloped Factor, Cs : 1.000

Seismic Load
Seismic Importance Factor, Ie : 1.00
Seismic Occupancy Category : II – Normal
Site Class : D
Mapped Spectral Response Acceleration : Ss = 1.622 : S1 = 0.604
Spectral Response Coefficients : Sds = 1.277 : Sd1 = 0.680
Seismic Design Category : D
Basic Force Resisting Systems Used
Rigid Frames–OSMF : Ordinary Steel Moment Frames
Bracings–OSCBF : Ordinary Steel Concentrically Braced Frames
Total Design Base Shear, V (kips) : Longitudinal= 27.02 (B1) / 6.93 (B2) Transverse= 38.25 (B1)
8.48 (B2)
Response Modification Factors, R : Rigid Frames = 3.25
: SW X–Bracing = 3.25
Seismic Response Coefficient, Cs : Rigid Frames = 0.333
: SW X–Bracing = 0.333
Analysis Procedure Used : Equivalent Lateral Force Procedure

Rainfall Intensity (in/hr) : 2.340

DESIGN AND DETAIL REQUIREMENTS (B1) : BLDG–B2 LOADS
: DEFLECTION LIMIT :
Rafter – L/180
Purlins – L/150
Girts/Spandrel – L/120 (Metal)
– L/240 (Masonry/Plywood)
Endwall Column – L/120 (Metal)
– L/240 (Masonry/Plywood)
Lateral Drift – H/60
: GABLE EXTENSION – 1'–6"
: EAVE EXTENSION – 2'–0"
: ROOF IS 24 GA MCELROY MEDALLION–LOK, 12" WIDE
: WALL IS 24GA MBCI DESIGNER SERIES 16"

DESIGN AND DETAIL REQUIREMENTS (B2) : DEFLECTION LIMIT :
Rafter – L/180
Purlins – L/150
Lateral Drift – H/60
: GABLE EXTENSION – 7'–0"
: EAVE EXTENSION – 1'–6"
: ROOF IS 24 GA MCELROY MEDALLION–LOK, 12" WIDE

BUILDING DESCRIPTION:

BUILDING DESCRIPTION:	B1	B2
Width (ft)	: 40	: 26.83
Length (ft)	: 93.5	: 52
Eave Ht. at BSW (ft)	: 14	: 14
Eave Ht. at FSW (ft)	: 14	: 17.33
Roof Slope at BSW	: 6.0:12	: 1.4907:12
Roof Slope at FSW	: 6.0:12	:
Bay Spacing (ft)	: 1 at 25.5 2 at 25 1 at 18	: 2 at 26

COVERING AND TRIMS:

Roof Panels & Trims
Panel Type : 24 Ga. MCELROY MEDALLION–LOK, 12" WIDE
Panel Color : KYNAR 500 – MATT BLACK
Trim Colors
Eave Trim : S2000 Premium
Eave Gutter : S2000 Premium
Gable Trim : S2000 Premium

Wall Panel & Trims
Panel Type : 24 Ga. MBCI DESIGNER SERIES 16"
Panel Color : SIGNATURE 200 CHARCOAL GRAY
Trim Colors
Corner Trims : S2000 Premium
Opening Trims : S2000 Premium
Downspouts : S2000 Premium
Base Trim : ––
Mas. Flash : ––

Special Requirements : NONE

FOR PERMIT

Before erecting your building, please see the Rigid Erection & Safety Manual at rigidbuilding.com/document–library

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2.6 The BUYER/END USE CUSTOMER is responsible for overall project coordination. All interface, compatibility, and design considerations concerning any materials not furnished by R.G.B. and R.G.B. steel system are to be considered and coordinated by the BUYER/END USE CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or R.G.B. assumptions will govern (Section 4 and Commentary, AISC Code of Standard Practice, 16th Edition)

2.7 It is the responsibility of the BUYER/END USE CUSTOMER to ensure that R.G.B. plans comply with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that R.G.B. or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components furnished by R.G.B.

2.8 The BUYER/END USE CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with R.G.B. "For Construction" drawings only. Temporary supports such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined furnished and installed by the erector. No items should be purchased from a preliminary set of drawings, including anchor bolts. Use only final "FOR CONSTRUCTION DRAWINGS" for this use. (Section 7 AISC Code of Standard Practice, 16th Edition.)

2.9 Rigid Global Buildings is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete, anchor bolt embedment or the adequacy of the anchor bolt in relation to the concrete.

Unless otherwise provided in the Order Documents, R.G.B. does not design and is not responsible for the design, material and construction of the foundation or foundation embedments. The END USE CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site.
It is recommended that the anchorage/anchor bolt embedment and foundation of the building be designed by a Registered Professional Engineer experienced in the design of such structures. (Chapter IV Section 3.2.2 Metal Building Systems Manual 2018 Edition)

2.10 Normal erection operations include the corrections of minor misfits by moderate amounts of reaming, chipping, welding or cutting, and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in member configuration are to be reported immediately to R.G.B. by the BUYER/END USE CUSTOMER, to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others. (Section 7 AISC Code of Standard Practice, 16th Edition)

2.11 Neither the fabricator nor the BUYER/END USE CUSTOMER will cut, drill or otherwise alter his work, or the work of other trades, to accommodate other trades, unless such work is clearly specified in the contract documents. Whenever such work is specified, the BUYER/END USE CUSTOMER is responsible for furnishing complete information as to materials, size, location and number of alterations prior to preparation of shop drawings. (Section 7 AISC Code of Standard Practice, 16th Edition)

2.12 WARNING In no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run–off from copper flashing, wiring, or tubing onto Galvalume should be avoided.

2.13 SAFETY COMMITMENT Rigid Global Buildings has a commitment to manufacture quality building components that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of R.G.B.
It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State, and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees.
Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

2.14 Roof drainage systems (gutter, downspouts, etc.) must be free of any obstruction to ensure smooth operation at any given time.

2.15 It is recommended by Factory Mutual (Reference: B2.44) that roofs be cleared of snow when half of the maximum snow depth is reached. The maximum snow depth can be estimated based on the design snow load and the density of snow and/or ice buildup. See Chart below.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
30	17.90	8.95
40	19.20	9.60
50	20.50	10.25
60	21.80	10.90
70	23.10	11.55
80	24.40	12.20

NOTE:
For Snow/Ice Removal Procedure, Refer to Metal Building System Manual 2012 Edition, Section A9.4, Page A–59

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
09/28/2026
CIVIL
STATE OF CALIFORNIA

CUSTOMER:				
SEMPER FI STEEL BUILT LLC				
SALES NO.: 75886	JOB NO.: 167836–37	BUILDING: B1/B2	DWG. NO.: C01 OF 4	ISSUE: B

UNLOADING, HANDLING AND STORING OF MATERIALS

STRUCTURAL

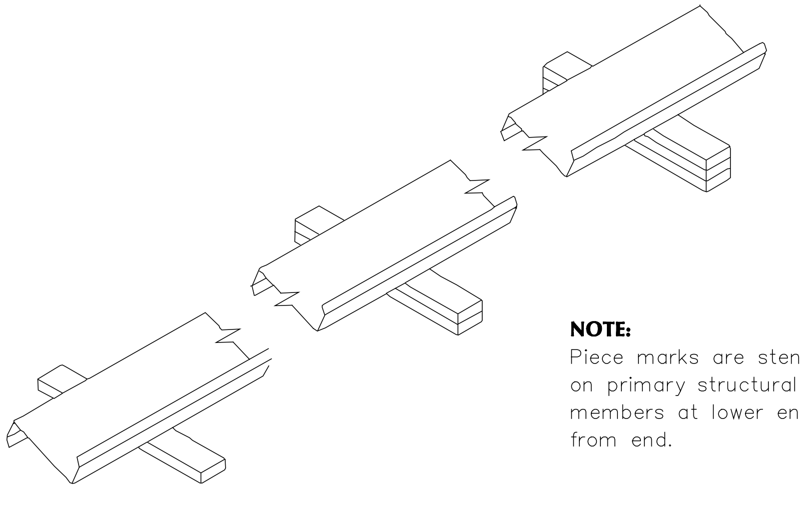
A great amount of time and trouble can be saved if the building site is according to a pre–arranged plan. Proper location and handling of components will eliminate unnecessary handling.

Inspect all shipments prior to releasing the tie–downs for loads that may have shifted during transit, **REMEMBER, SAFETY FIRST!**

Blocking under the columns and rafters protects the splice plates and the slab from damage during the unloading process. It also facilitates the placing of slings or cables around the members for later lifting and allows members to be bolted together into sub–assemblies while on the ground. Extra care should always be exercised in the unloading operations to prevent injuries from handling the steel and to prevent damage to materials and the concrete slabs.

If water is allowed to remain for extended periods in bundles of primed parts such as girts, purlins etc., the pigment will fade and the paint will gradually soften, reducing the bond to the steel. Therefore, upon receipt of a job, all bundles of primed parts should be stored at an angle to allow any trapped water to drain away and permit air circulation for drying. Puddles of water should not be allowed to collect and remain on columns, rafters or beams for the same reason.

All Primer should be touched up as required before erection!



NOTE:
Piece marks are stenciled on primary structural members at lower end, 1'–0" from end.

WALLS AND ROOF PANELS

RIGID's wall and roof panels including color coated, galvalume and galvanized, provide excellent service under widely varied conditions. All unloading and erection personnel should fully understand that these panels are quality merchandise which merit cautious care in handling.

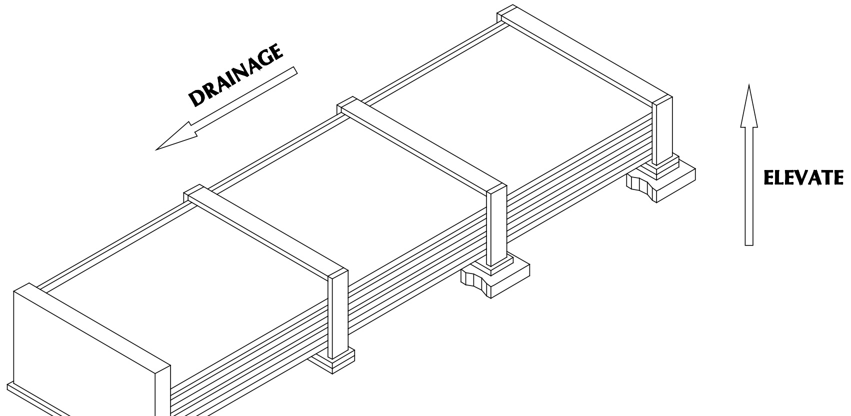
Under no circumstances should panels be handled roughly. Packages of sheets should be lifted off the truck with extreme care taken to insure that no damage occurs to ends of the sheets or to side ribs. The packages should be stored off the ground sufficiently high to allow air circulation underneath the packages. This avoids ground moisture and deters people from walking on the packages. One end of the package should always be elevated to encourage drainage in case of rain.

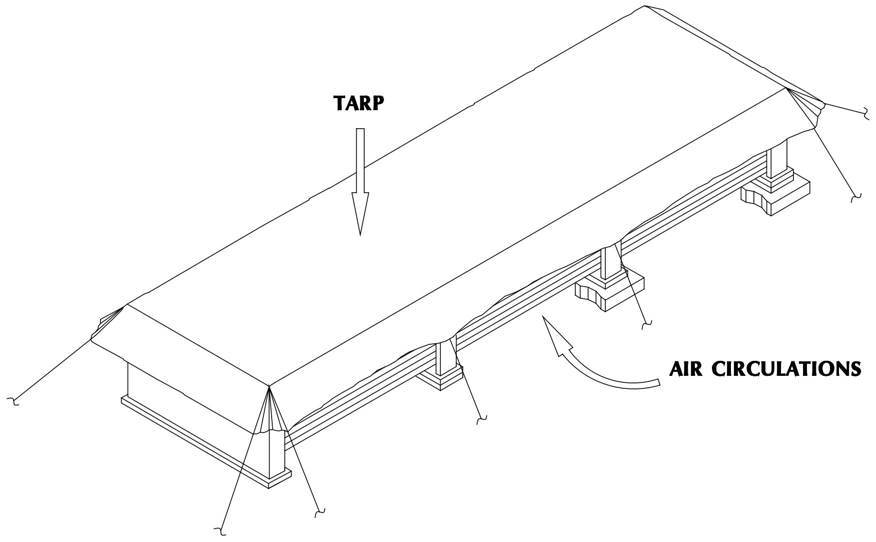
All stacked metal panels are subject, to some degree, to localized discoloration or stain when water is trapped between their closely nested surfaces. RIGID exercises extreme caution during fabricating and shipping operations to insure that all panel stock is kept dry. However, due to climatic conditions, water formed by condensation of humid air can be trapped between stacked sheets. Water can also be trapped between stacked sheets when exposed to rain. This discoloration caused by trapped moisture is often called wet storage stain.

The stain is usually superficial and has little effect on the appearance or service life of the panels as long as it is not permitted to remain on the panels. However, moisture in contact with the surface of the panels over an extended period can severely attack the finish and reduce the effective service life. Therefore, it is imperative that all panels be inspected for moisture upon receipt of the order. If moisture is present, dry the panels at once and store in a dry, warm place.

CAUTION: Care should always be taken when walking on panels. Use saftey lines and nets when necessary! Panels are slippery. Oil or wax applied to the roof and wall panels for protection against weather damage will make them a very slippery surface. Wipe dry any oil that has puddled from bundles stored on a slope. Dew, frost, or other forms of moisture greatly increase the slipperiness of the panels. Always assume panel surface is slippery and act accordingly. **Think safety!!**

Use wood blocking to elevate and slope the panels in a manner that will allow moisture to drain. Wood blocking placed between bundles will provide additional air circulation. Cover the stacked bundles with a tarp or plastic cover leaving enough opening at the bottom for air to circulate.





When handling or uncrating the panels, lift, rather than slide, them apart. Burred edges may scratch the coated surfaces when sheets are slid over one another. Never allow panels to be walked on while on the ground.

Rough and improper handling of a panel is inexcusable and a prime example of poor job supervision.

NOTE:
Use gloves when handling metal panels to prevent hand injuries. Be aware, of the dangers of handling panels on a windy day. A large panel can catch enough wind to knock a worker off his feet, even at ground level!! **Safety first!**

GENERAL NOTE:
1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING THE ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

CHAO CHI
C 83009
EXP 09/30/2024

FOR
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CUSTOMER: SEMPER FI STEEL BUILT LLC

SALES NO.:	JOB NO.:	BUILDING.:	DWG. NO.:	ISSUE:
75886	167836–37	B1 / B2	C02 OF 4	B

LEGENDS & ABBREVIATIONS

DESIGN:

Accel.	Acceleration
Coeff.	Coefficient
CL, Collat	Collateral Load
DL, Dead	Dead Load
H, Horz, Horiz	Horizontal
L	Left
LL, Live	Live Load
LnWnd, LnWind, LWIND	Longitudinal Wind Load
Min, min	Minimum
Max, max	Maximum
R	Right
SL	Snow Load
Slide	Sliding Snow Load
SEIS, Seis	Seismic Load
U_Snow	Unbalance Snow Load
V, Vert	Vertical
WL, Wind_L	Wind Load Left
WR, Wind_R	Wind Load Right
WP, Wind_P	Wind Pressure
WS, Wind_S	Wind Suction

ENGLISH UNITS

Acre	Acres
FT, ft	Feet
GA, Ga, ga	Gage
Gal	Gallons
IN, in	Inches
K, k	Kips
KSI, ksi	Kips Per Square-Inches
lb, #	Pounds
MPH, mph	Miles Per Hour
PLF, plf, lb/ft	Pounds Per Linear-Foot
PSF, psf, lb/ft^2	Pounds Per Square-Feet
TON, ton	Tons
Yd	Yard

METRIC UNITS

cm	Centimeters
Hec	Hectares
liter	Liters
m	Meters
mm	Millimeters
N	Newtons
km	Kilometers
kN	Kilonewtons
kN/m^2	Kilonewtons Per Square-meter
kPa	Kilopascals
kph	Kilometers Per Hour
Pa	Pascals

USEFUL CONVERSION

English	To English	Metric	To Metric
1 mile	1760 Yd	1 km	1000 m
1 Yd	3 Ft	1 m	100 cm
1 Ft	12 in	1 cm	10 mm
1 in	16/16 in	1 kN	1000 N
1 Ton (English)	2 Kips	1 kg	9.8066 N
1 Kip	1000 lb	1 Ton (Metric)	1000 kg
1 lb	16 ounces	1 Hec	$10,000\ m^2$
1 Acre	$43560\ Ft^2$	$1\ m^3$	1000 liter
$1\ Ft^3$	7.4805 Gal	1 kPa	$1\ kN/m^2$

English	To Metric	Metric	To English
1 in	2.54 cm	1 cm	0.3937 in
1 ft	0.3048 m	1 m	3.2808 ft
1 lb	0.4536 kg	1 kg	2.2046 lb
1 Ton (English)	907.18 kg	1 Ton (Metric)	2204.6 lb
1 Kip	4.4482 kN	1 kN	0.2248 kip
1 mile	1.6093 km	1 km	0.6213 mile
1 Acre	0.4046 Hec	1 Hec	2.4715 Acres
$1\ lb/ft^2$	0.0478 kPa	1 kPa	$20.8854\ lb/ft^2$

Fraction	To Decimal	Fraction	To Decimal
1/16	0.0625	9/16	0.5625
1/8	0.1250	5/8	0.6250
3/16	0.1875	11/16	0.6875
1/4	0.2500	3/4	0.7500
5/16	0.3125	13/16	0.8125
3/8	0.3750	7/8	0.8750
7/16	0.4375	15/16	0.9375
1/2	0.5000	16/16	1.0000

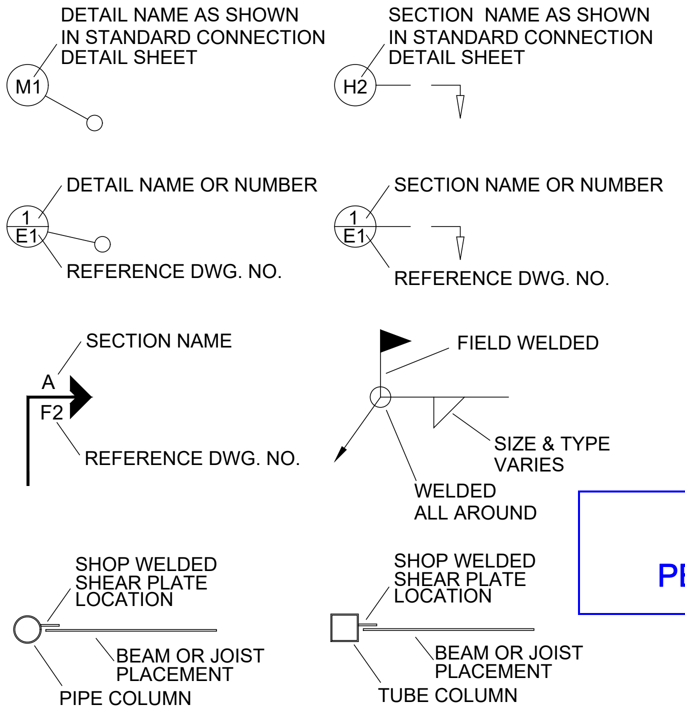
DRAWINGS:

AB, A.B.	Anchor Bolt
AS, As Shown	As Shown
Aux.	Auxiliary
BLDG., Bldg.	Building
B.P., Base PL	Base Plate
BOTT., Bott.	Bottom
Bott. Base PL, B.O.B.P	Bottom Of Base Plate
B.O.S.	Bottom Of Steel
BSW	Back Sidewall
BY OTHERS	By Other Supplier or Not By Rigid
C/C	Center to Center
C.I.P.	Cast-In-Place
CL, ℄	Center Line
CLR.	Clear, Clearance
CMU	Concrete Masonry Unit
COL., Col.	Column
CONC., Conc.	Concrete
CONT.	Continuous, Continuation
DET.	Detail
DIA., Dia., Ø	Diameter
DIM., Dim.	Dimension
DWG., Dwg.	Drawing
EH, E.H.	Eave Height
EJ, Exp. Jt.	Expansion Joint
EL, Elev.	Elevation
EP	End Plate
ES, E.S.	Eave Strut
EW	Endwall
EW COL, EC	Endwall Column
EW RAF	Endwall Rafter
Exp. Bolt	Expansion Bolt
FFL, Fin. Flr.	Finish Floor Line
FLG., FLGE., Flg., Flge.	Flange
FNB, F.N.B.	Fin Neck Bolt
FO, F.O.	Framed Opening
FRM., Frm.	Frame
FSW	Front Sidewall
GA, Ga.	Gage
GALV., Galv.	Galvanized
G.O.L.	Gage of Outstanding Leg
H, Ht.	Height
HED,HEDS	High Eave Double Slope
HES,HESS	High Eave Single Slope
Horz, Horiz	Horizontal
HSB, H.S.B.	High Strength Bolt
HSS	Hollow Structural Section
INT., Int.	Interior, Intermediate
I/S	Inside
LED,LEDS	Low Eave Double Slope
LES,LESS	Low Eave Single Slope
LEW	Left Endwall
LHI	Left Hand In
LHO	Left Hand Out
LL	Long Life
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LT	Lean-To
LT COL	Lean-To Column
LT RAF	Lean-To Rafter
LG., Lg.	Long
L, Lt.	Length
L x W x H	Length x Width x Height
MAX., max.	Maximum
MIN., min.	Minimum
MKD., MK'D.	Marked
MB, M.B.	Machine Bolt
MEZZ., Mezz.	Mezzanine
N.A., N/A	Not Applicable
NO., No.	Number
NS/FS, NS&FS	Near Side and Far Side
O.C.	On Center
O/S	Outside
OH, Opp Hand	Opposite Hand (Mirror Image)
OHD, O.H.D.	Over-Head Door
O/O	Out to Out
PF COL	Portal Frame Column (Wind Bent Column)
PF RAF	Portal Frame Rafter (Wind Bent Rafter)
PL, ⅊	Plate
QTY., Qty.	Quantity
REF., Ref.	Refer, Reference
REW	Right Endwall

DRAWINGS:

RHB	Round Head Bolt
RHI	Right Hand In
RHO	Right Hand Out
REINF.	Reinforced
REQ'D., REQD.,	Required
REV., Rev.	Revised, Revision
RF, R.F.	Rigid Frame
RF COL	Rigid Frame Column
RF RAF	Rigid Frame Rafter
RUD, R.U.D.	Roll-Up Door
SC	Slip Critical
SDS	Self-Drilling Screws
SECT., Sect.	Section
SHTG., Shtg.	Sheeting
Sol Col	Soldier Column
SP	Splice Plate
SSR	Standing Seam Roof
SST	Stainless Steel
ST COL	Straight Column
STIFF.	Stiffener
STD.	Standard
STS	Self-Tapping Screws
SW	Sidewall
SYM., Sym., SYMM., Symm.	Symmetry, Symmetrical
TBE	To Be Established
TBD	To Be Determined
TC	Tension Control
THK., Thk.	Thick
TOC, T.O.C.	Top Of Concrete
TOS, T.O.S.	Top Of Steel
T & B, TOP & BOTT	Top and Bottom
TYP., Typ., typ.	Typical
UN, U.N.O.	Unless Noted, Unless Noted Otherwise
Vert.	Vertical
WD	Walk Door
W, Wd.	Width
W.P.	Work Point, Working Point

SECTIONS AND DETAILS:



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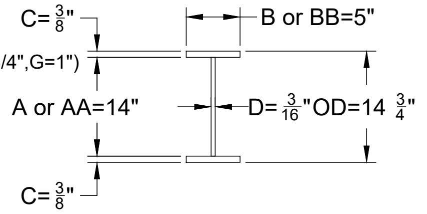
BUILT-UP SECTIONS: USED FOR FRAMES, BEAMS, COLUMNS

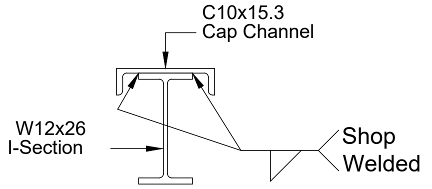
WAABCD Example: W14563
- Web Thickness (16/in, 2=10Ga)
- Flange Thickness (16/in,A=5/8",C=3/4",G=1")
- Flange Width (in)
- Web Depth (in)
- Welded I-Section

Overall Depth=OD=AA+C+C



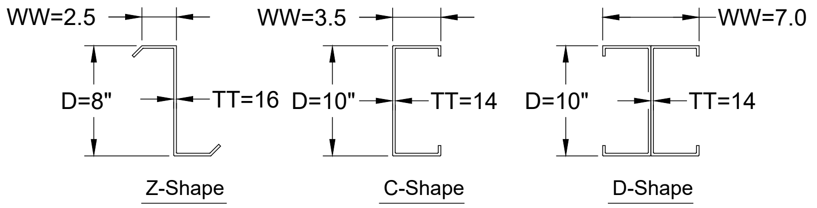
CRANE BEAM SECTIONS: USED FOR RUNWAY BEAMS, MONORAILS

12W26C10 Example: 12W26C10
- Cap Channel Depth
- Hot-Rolled Cap Channel
- Nominal Weigth
- Hot-Rolled I-Section
- Nominal Depth



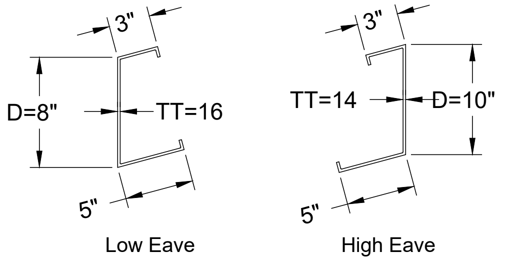
COLD-FORMED SECTIONS Z,C,D: USED FOR PURLINS,GIRTS,JAMBS,JOISTS

DxWWSTT Example: 8x25Z16; 10x35C14; 10x70D14
- Web Thickness (Gauge)
- Shape (Z, C, D)
- Flange Width (25=2.5",35=3.5",50=2x2.5", 70=2x3.5")
- Depth (8",10,12")



COLD-FORMED SECTION ES: USED FOR EAVE STRUTS

LDESTT Example: L8ES16; H10ES14
- Web Thickness (Gauge)
- ES=Eave Strut
- Depth (6",8",10,12")
- Location (L=Low Eave, H=High Eave)



Low Eave
LED or LEDS
LES or LESS

High Eave
HED or HEDS
HES or HESS

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE–APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	LEGENDS & ABBREVIATIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836	N.T.S.	C03 OF 4	B

DRAWING INDEX

DWG.NO.	ISSUE	DRAWING TITLE	DWG.NO.	ISSUE	DRAWING TITLE
C01	B	COVER SHEET	E023	B	DRAWING DETAILS
C02	B	UNLOADING, HANDLING & STORING OF MATERIALS			
C03	B	LEGENDS AND ABBREVIATIONS			
C04	B	DRAWING INDEX			
F01	B	COLUMN LAYOUT PLAN			
F02	B	ANCHOR BOLT DETAILS			
F03	B	ANCHOR BOLT REACTIONS			
F04	B	DESIGN CALCULATE WIND REPORT			
E001	B	ROOF FRAMING PLAN			
E002	B	ROOF FRAMING PLAN			
E003	B	ROOF SHEETING PLAN			
E004	B	ROOF SHEETING PLAN			
E005	B	RIGID FRAME ELEVATION			
E006	B	RIGID FRAME ELEVATION			
E007	B	RIGID FRAME ELEVATION			
E008	B	RIGID FRAME ELEVATION			
E009	B	ENDWALL FRAMING & SHEETING ELEVATION			
E010	B	ENDWALL FRAMING & SHEETING ELEVATION			
E011	B	ENDWALL FRAMING & SHEETING ELEVATION			
E012	B	SIDEWALL FRAMING & SHEETING ELEVATION			
E013	B	SIDEWALL FRAMING & SHEETING ELEVATION			
E014	B	SIDEWALL FRAMING & SHEETING ELEVATION			
E015	B	SIDEWALL FRAMING & SHEETING ELEVATION			
E016	B	LINER SHEETING ELEVATION			
E017	B	WIND BENT ELEVATION			
E018	B	WIND BENT ELEVATION			
E019	B	DRAWING DETAILS			
E020	B	DRAWING DETAILS			
E021	B	DRAWING DETAILS			
E022	B	DRAWING DETAILS			

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	DRAWING INDEX		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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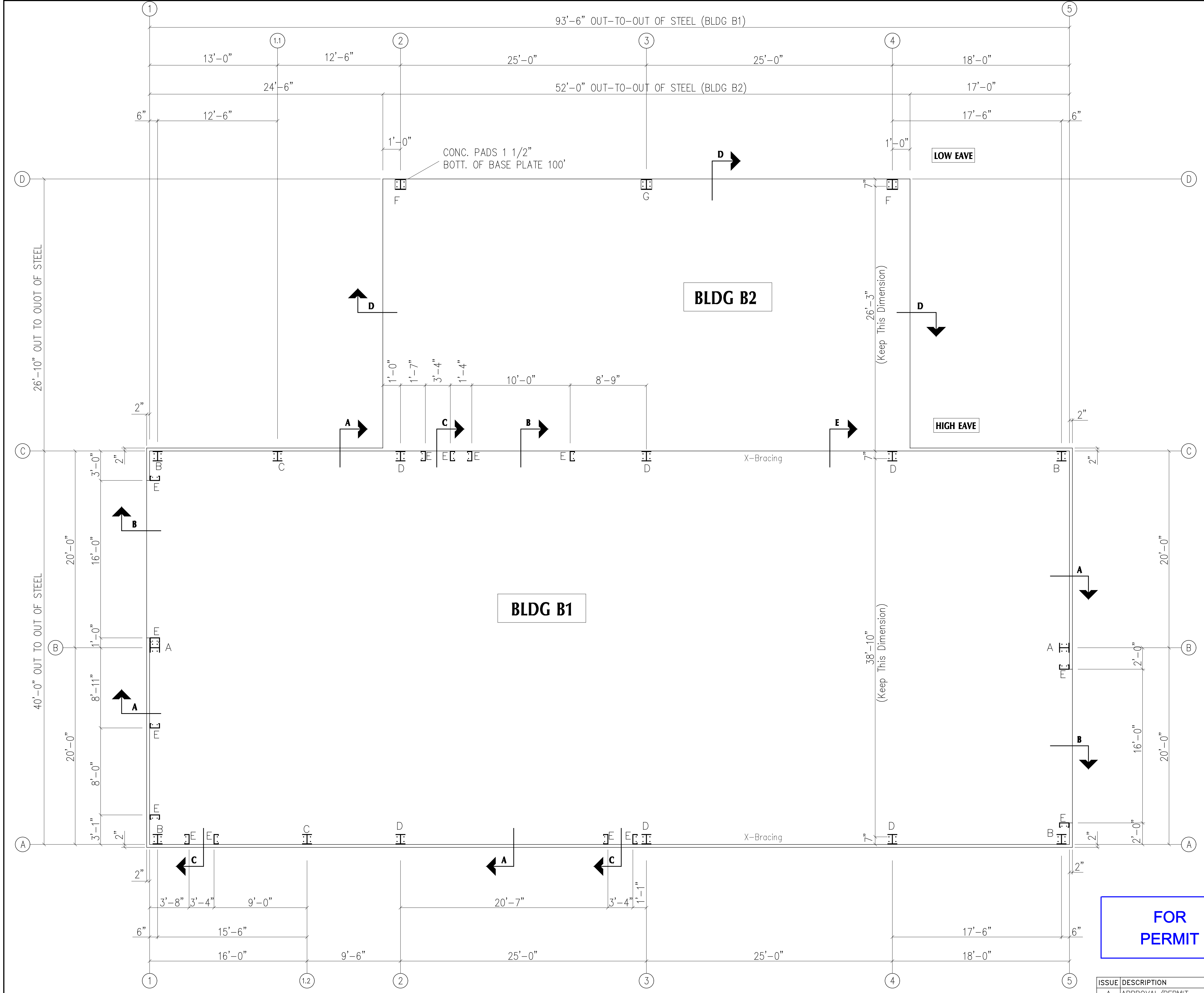
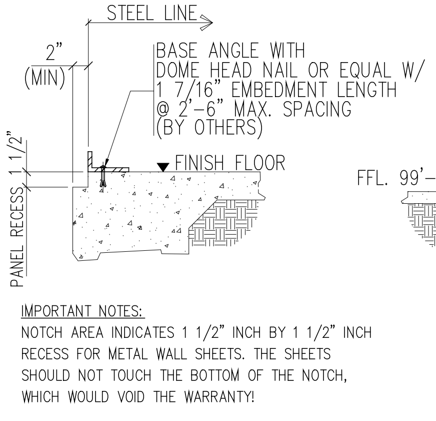
75886	167836-37	N.T.S.	C04 OF 4	B



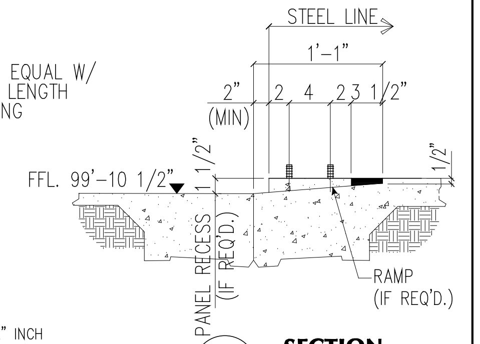
COLUMN LAYOUT PLAN

NOTE: All Base Plates @ 100'-0" (U.N.)


STEEL LINE
2" (MIN)
BASE ANGLE WITH DOME HEAD NAIL OR EQUAL W/ 1 7/16" EMBEDMENT LENGTH @ 2'-6" MAX. SPACING (BY OTHERS)
FINISH FLOOR
PANEL RECESS 1 1/2"

IMPORTANT NOTES:
NOTCH AREA INDICATES 1 1/2" INCH BY 1 1/2" INCH RECESS FOR METAL WALL SHEETS. THE SHEETS SHOULD NOT TOUCH THE BOTTOM OF THE NOTCH, WHICH WOULD VOID THE WARRANTY!

A SECTION



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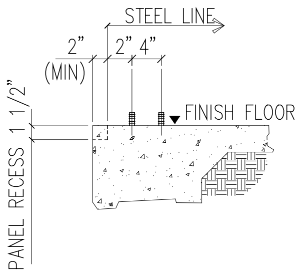

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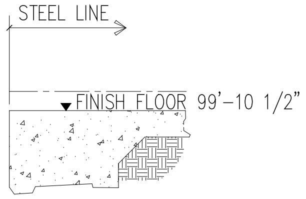

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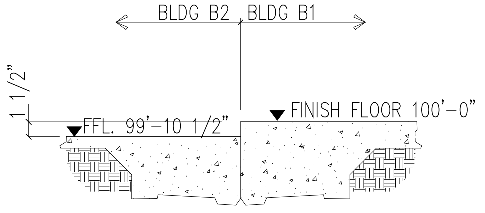

E SECTION

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	COLUMN LAYOUT PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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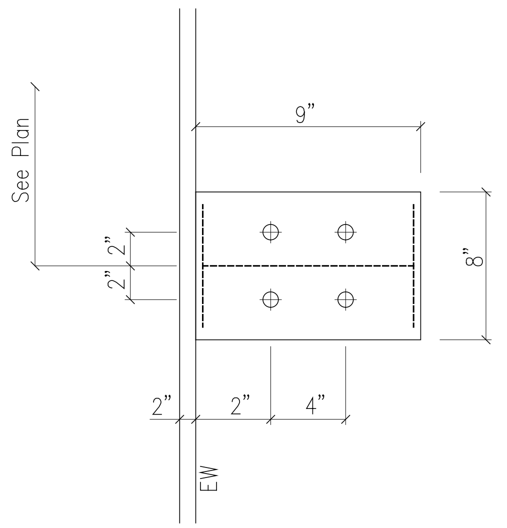
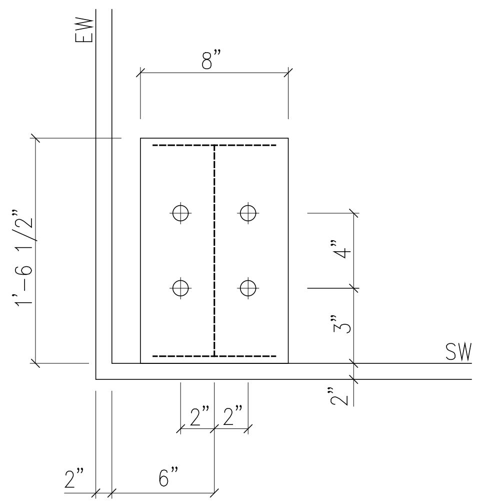
75886	167836-37	N.T.S.	F01 OF 4	B

Dia= 3/4"
Thk= 3/8"



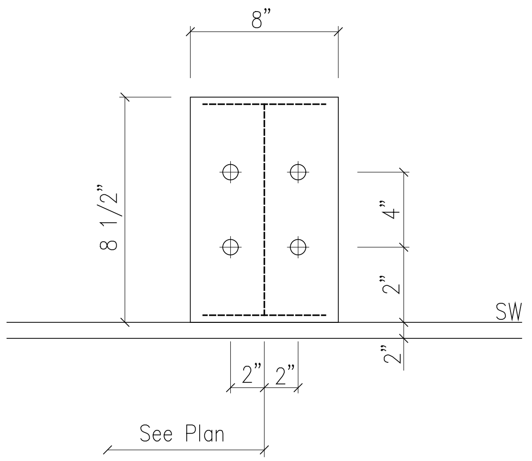
DETAIL A

Dia= 3/4"
Thk= 1/2"



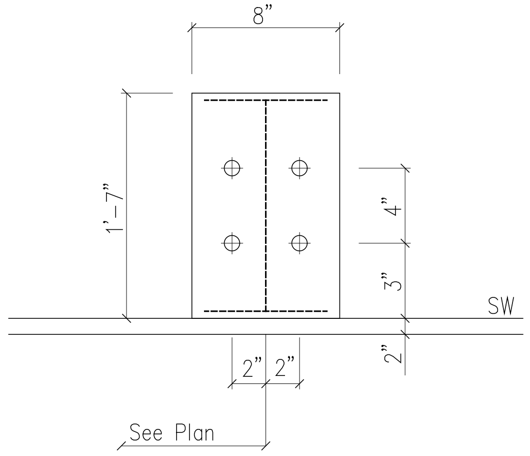
DETAIL B

Dia= 3/4"
Thk= 1/2"



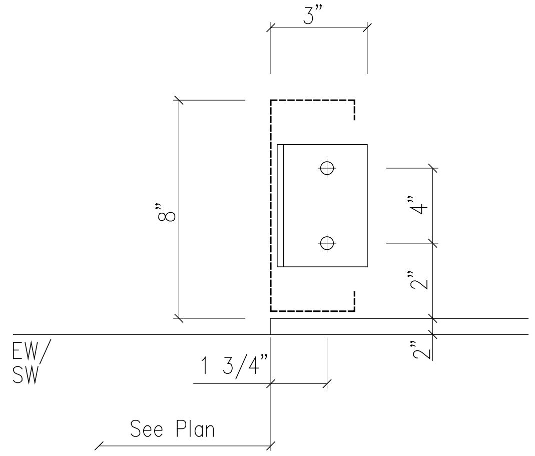
DETAIL C

Dia= 7/8"
Thk= 1/2"



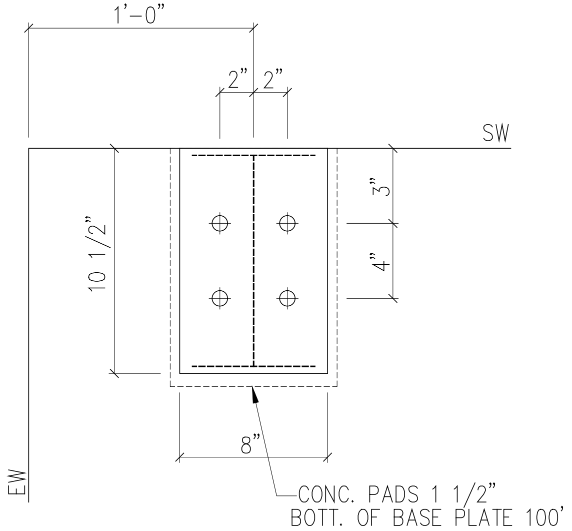
DETAIL D

Dia= 5/8"
Thk= 1/4"



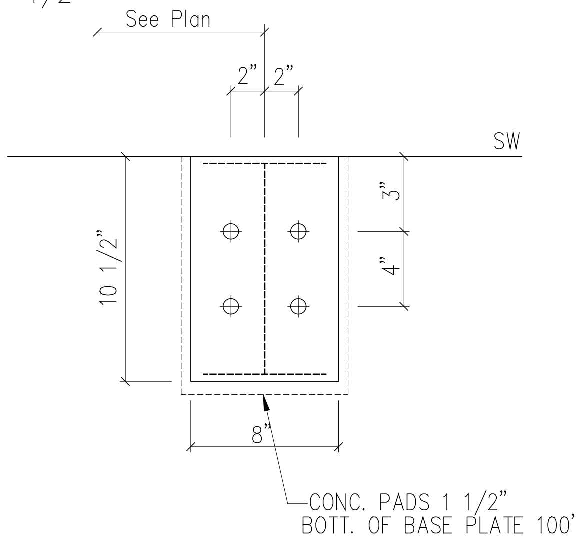
DETAIL E

Dia= 3/4"
Thk= 1/2"



DETAIL F

Dia= 3/4"
Thk= 1/2"



DETAIL G

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GENERAL NOTES:

① THE ANCHOR BOLT DETAILS SHOWN ON THIS DRAWING LOCATE THE ANCHOR BOLTS IN REFERENCE TO BOTH THE BUILDING STEEL LINE AND THE OUTSIDE OF RIGID'S SUGGESTED PANEL RECESS OF 1-1/2".

② THE ANCHOR BOLT SETTING PLAN LOCATES ANCHOR BOLTS IN REFERENCE TO THE OUTSIDE OF THE PANEL RECESS SHOWN. IF THE ACTUAL PANEL RECESS IS DIFFERENT FROM WHAT IS SHOWN ON THE ANCHOR BOLT SETTING PLAN, THEN ALL REFERENCE DIMENSIONS FROM THE OUTSIDE OF THE PANEL RECESS MUST BE DETERMINED BY THE CUSTOMER.

③ BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED)

NOTE:

ONLY ANCHOR BOLTS SETTING PLAN ISSUED & STAMPED "FOR CONSTRUCTION" SHALL BE USED IN SETTING ANCHOR BOLTS. 'RIGID GLOBAL BUILDINGS' SHALL NOT BE RESPONSIBLE FOR ERROR OR DISCREPANCY IF THE DRAWING USED IS NOT VALID FOR CONSTRUCTION.

QTY.	SYMBOL	DIA.	PROJ.
0	⌖	1/2"	1"
28	⌖	5/8"	2"
44	⌖	3/4"	2 1/2"
24	⌖	7/8"	2 3/4"
0	⌖	1"	3"
0	⌖	1 1/8"	3 1/2"
0	⌖	1 1/2"	3 1/2"

ANCHOR BOLT DETAIL

ANCHOR BOLT PROJECTION "PROJ." IS MEASURED FROM BOTTOM OF BASE PLATE

LENGHT OF "PROJ." SHOWN IS FOR ONE NUT + ONE WASHER

DETAIL OF ANCHOR BOLT AS PER THE SUPPLIER

NUTS & WASHERS BY SUPPLIER

ANCHOR BOLTS NOT BY RIGID GLOBAL BUILDINGS

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GLOBAL BUILDINGS
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END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
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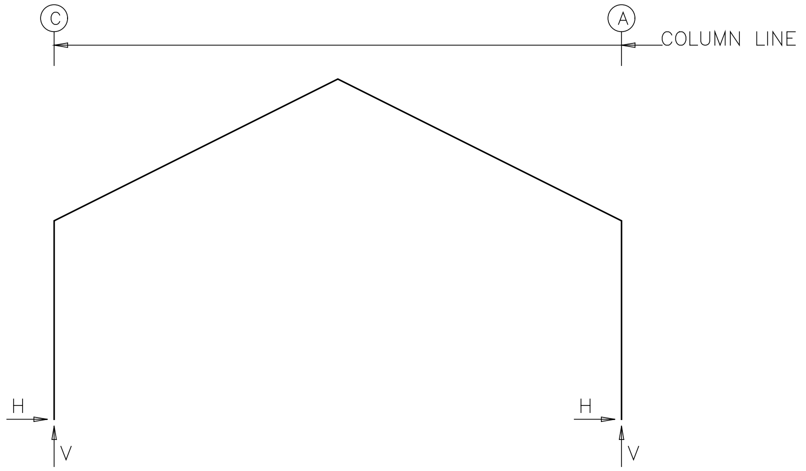
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	F02 OF 4	B

FRAME LINES: 1 2 3 4 5



(BLDG.-B1)

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
1*	C	0.5	1.7	0.9	2.3	1.3	3.8	-2.9	-4.5	1.9	-3.2	-3.1	-2.7
1*	A	-0.5	1.7	-0.9	2.3	-1.3	3.8	-1.9	-3.2	2.9	-4.5	-1.8	-1.4
2*	C	0.5	3.5	1.0	5.4	1.1	10.6	-3.5	-13.1	6.5	-7.8	-5.6	-9.1
2*	A	-1.0	2.7	-1.8	4.2	-2.9	7.2	-2.9	-5.2	6.2	-8.8	-3.5	-1.2

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
1*	C	1.8	-1.4	0.5	-4.3	-0.6	-4.3	-4.5	-2.9	4.5	2.9	0.0	0.0
1*	A	3.1	-2.7	0.6	-4.3	-0.5	-4.3	-4.4	2.9	4.4	-2.9	0.0	0.0
2*	C	4.6	-3.7	4.2	-11.3	1.9	-9.9	-5.8	-3.8	5.8	3.8	0.0	-9.4
2*	A	5.7	-4.8	2.2	-9.4	0.3	-9.0	-4.9	3.6	4.9	-3.6	0.0	-7.9

1* Frame lines: 1 5
2* Frame lines: 2 3 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1*	C	6	4.9	8.8	8	-2.9	-1.2	4	0.750	8.000	18.50	0.500	0.0
					2	-1.5	-1.7						
1*	A	9	2.9	-1.2	5	-4.9	8.8	4	0.750	8.000	18.50	0.500	0.0
		5	-4.9	8.8	3	1.5	-1.7						

1* Frame lines: 1 5

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
2*	C	4	5.7	12.9	8	-3.8	-1.0	4	0.875	8.000	19.00	0.500	0.0
		7	2.4	22.8	2	-1.8	-5.7						
2*	A	3	3.1	-3.7	5	-7.8	14.8	4	0.875	8.000	19.00	0.500	0.0
		7	-5.2	17.2	10	-0.4	-4.4						

2* Frame lines: 2 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz
1	B	0.3	-3.6	4.0
5	B	0.3	-3.6	4.0

SOLDIER COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Live Vert	Wind_Press Horz	Wind_Press Vert	Wind_Suct Horz	Wind_Suct Vert	Wind Long1 Horz	Seis Left Horz
1.2	A	0.2	0.5	1.3	-0.2	-1.5	-0.3	-0.9	-0.4
1.1	C	0.2	0.5	1.3	-0.2	-1.5	-0.3	-0.9	-0.4

ENDWALL COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1	B	11	2.4	0.2	12	-2.2	0.2	4	0.750	8.000	9.000	0.375	0.0
		4	0.0	0.3									
5	B	11	2.4	0.2	12	-2.2	0.2	4	0.750	8.000	9.000	0.375	0.0
		4	0.0	0.3									

SOLDIER COLUMN: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Bolt(in) Dia	Base_Plate(in) Width	Base_Plate(in) Length	Base_Plate(in) Thick	Grout (in)
1.2	A	13	0.8	0.0	14	-0.9	-0.1	4	0.750	8.000	8.500	0.500	0.0
		1	0.0	0.7									
1.1	C	13	0.8	0.0	14	-0.9	-0.1	4	0.750	8.000	8.500	0.500	0.0
		1	0.0	0.7									

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Panel_Shear (lb/ft) Seis	Note
L_EW	1								(h)
F_SW	A	3,4	3.3	1.6	16.1	7.9			
R_EW	5								(h)
B_SW	C	4,3	4.2	2.0	19.1	9.4			

(h)Rigid frame at endwall

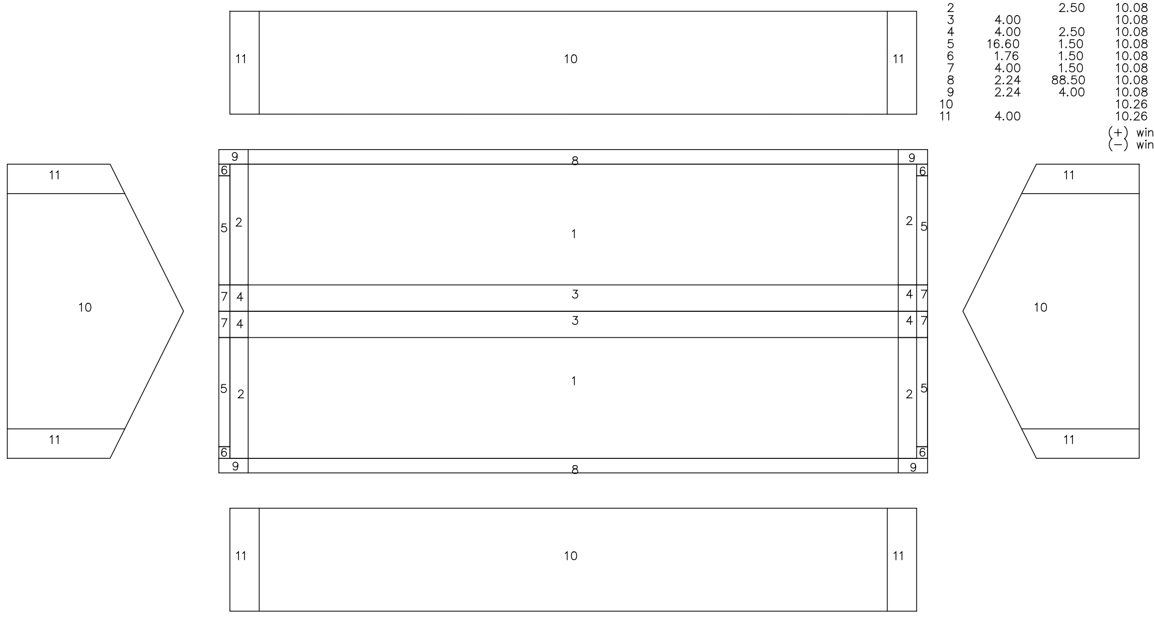
NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

Width (ft) = 40.0
Length (ft) = 93.5
Eave Height (ft) = 14.0/ 14.0
Roof Slope (rise/12) = 6.0/ 6.0
Dead Load (psf) = 3.0
Collateral Load (psf) = 7.0
Roof Live Load(psf) = 20.0
Frame Live Load(psf) = 12.0
Wind Speed (mph) = 96.0
Wind Code = CBC 22 / IBC 21
Exposure = C
Closed/Open = C
Importance Wind = 1.00
Importance Seismic = 1.00
Seismic Zone = D
Seismic Coeff (Fa*Ss) = 1.62

5. Loading conditions are:

1	Dead+Collateral+Live
2	0.6Dead+0.6Wind_Left1
3	0.6Dead+0.6Wind_Right1
4	1.15Dead+1.15Collateral+0.7Seismic_Right
5	1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Left
6	1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Right
7	1.11Dead+1.11Collateral+0.75Live+0.53Seismic_LongR
8	0.45Dead+0.7Seismic_Left
9	0.45Dead+0.7Seismic_Right
10	0.45Dead+0.7Seismic_LongL
11	0.6Dead+0.6Wind_Right2+0.6Wind_Suction
12	0.6Dead+0.6Wind_Pressure+0.6Wind_Long2L
13	0.6Dead+0.6Wind_Pressure
14	0.6Dead+0.6Wind_Suction



Components & Cladding (Factored)

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) Panel
1			10.08	10.08	-12.96	-17.23
2		2.50	10.08	10.08	-16.20	-27.56
3	4.00		10.08	10.08	-16.20	-27.56
4	4.00	2.50	10.08	10.08	-20.35	-32.04
5	16.60	1.50	10.08	10.08	-28.64	-30.83
6	1.76	1.50	10.08	10.08	-31.88	-36.86
7	4.00	1.50	10.08	10.08	-32.53	-39.28
8	2.24	88.50	10.08	10.08	-19.81	-20.51
9	2.24	4.00	10.08	10.08	-25.36	-36.91
10			10.26	12.12	-11.34	-13.14
11	4.00		10.26	12.12	-12.59	-16.16

(+) wind towards surface
(-) wind away from surface

Panel Zone: Wind 1

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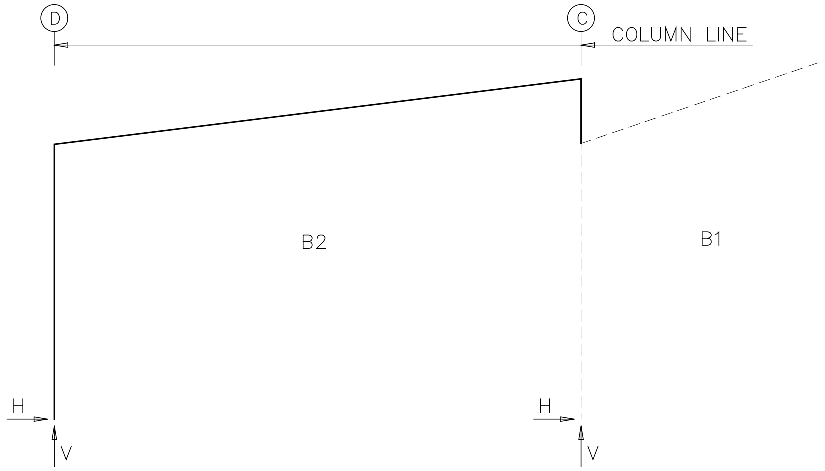
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ANCHOR BOLT REACTIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.: 75886 JOB NO.: 167836-37 SCALE: N.T.S. DWG. NO.: F03 OF 4 ISSUE: B

FRAME LINES: 2 3 4



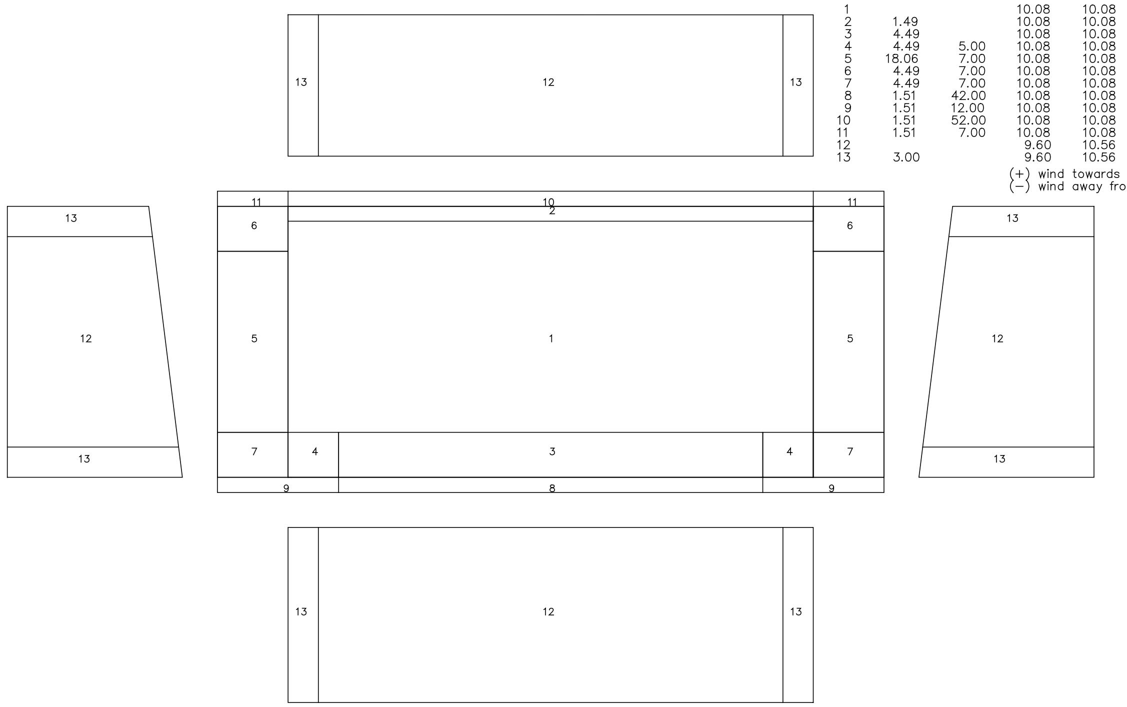
RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

		Column_Reactions(k)											
Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
2*	D	1	2.5	8.9	4	−2.1	−2.6	4	0.750	8.000	10.50	0.500	0.0
		7	2.2	9.2	2	−1.7	−4.0						

2* Frame lines: 2 4

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

		Column_Reactions(k)											
Frm Line	Col Line	Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
3	D	1	3.1	10.9	4	−2.3	−2.0	4	0.750	8.000	10.50	0.500	0.0
		7	2.8	11.0	2	−1.6	−3.8						



Components & Cladding (Factored)

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Panel	Suction(psf) Member	Panel
1			10.08	10.08	−12.53	−12.53
2	1.49		10.08	10.08	−13.54	−14.54
3	4.49		10.08	10.08	−16.42	−17.42
4	4.49	5.00	10.08	10.08	−17.42	−27.20
5	18.06	7.00	10.08	10.08	−31.08	−34.22
6	4.49	7.00	10.08	10.08	−34.72	−40.11
7	4.49	7.00	10.08	10.08	−38.98	−46.00
8	1.51	42.00	10.08	10.08	−17.69	−22.52
9	1.51	12.00	10.08	10.08	−27.42	−40.09
10	1.51	52.00	10.08	10.08	−18.91	−24.48
11	1.51	7.00	10.08	10.08	−27.41	−40.15
12			9.60	10.56	−9.90	−11.46
13	3.00		9.60	10.56	−10.99	−14.10

(+) wind towards surface
(−) wind away from surface

Panel Zone: Wind 1

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
2*	D	0.4	1.7	0.6	2.0	1.4	5.2	−3.2	−8.4	0.4	−5.3	−3.8	−6.0
3	D	0.5	2.0	0.8	2.5	1.8	6.4	−3.2	−8.4	0.8	−5.9	−4.3	−5.3

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
2*	D	0.2	−2.9	−0.5	−8.1	0.5	−5.0	−0.2	−0.2	0.2	0.2	0.0	−2.2
3	D	0.3	−2.9	0.0	−8.0	0.7	−5.4	−0.3	−0.2	0.3	0.2	0.0	−2.2

2* Frame lines: 2 4

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

   Width (ft) = 26.8
   Length (ft) = 52.0
   Eave Height (ft) = 14.0/ 17.3
   Roof Slope (rise/12) = 1.5
   Dead Load (psf) = 3.0
   Collateral Load (psf) = 5.0
   Roof Live Load(psf) = 20.0
   Frame Live Load(psf) = 12.0
   Wind Speed (mph) = 96.0
   Wind Code = IBC 18
   Exposure = C
   Closed/Open = C
   Importance Wind = 1.00
   Importance Seismic = 1.00
   Seismic Zone = D
   Seismic Coeff (Fa*Ss) = 1.62

5. Loading conditions are:
   1 Dead+Collateral+Live
   2 0.6Dead+0.6Wind_Left1
   3 0.6Dead+0.6Wind_Right1
   4 0.6Dead+0.6Wind_Left2
   5 0.6Dead+0.6Wind_Long1L
   6 1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Left
   7 1.11Dead+1.11Collateral+0.75Live+0.53Seismic_LongR

BUILDING BRACING REACTIONS

Wall Loc	Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	2								(h)
F_SW	C								(b)
R_EW	4								(h)
B_SW	D	3,4	0.8	0.8	1.7	1.7			(b)

(b)Wind bent in bay, base above finish floor
(h)Rigid frame at endwall

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ANCHOR BOLT REACTIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		
SALES NO.: 75886	JOB NO.: 167836-37	SCALE: N.T.S.	DWG. NO.: F04 OF 4 ISSUE: B

EXTENSION/CANOPY BOLTS ROOF PLAN	
MARK	QUAN TYPE DIA LENGTH
EB-2	(SHOP WELD)

SPECIAL BOLTS
ROOF PLAN

⬡ ID	QUAN	TYPE	DIA	LENGTH	WASH
1	2	A325	1/2"	1 1/4"	0
2	4	A307	1/2"	1 1/4"	0

MEMBER TABLE
ROOF PLAN

MARK	PART
EB-1	8x35C12
EB-2	W8x10
EB-3	8x35C12
P-1	8x25Z12
P-1A	8x25Z12
DP-1A	8x25Z12
P-2	8x25Z16
P-2A	8x25Z16
DP-2A	8x25Z16
P-3	8x25Z16
P-3A	8x25Z16
DP-3A	8x25Z16
P-4	8x25Z16
P-4A	8x25Z16
DP-4A	8x25Z16
P-5	8x25Z12
P-5A	8x25Z12
DP-5A	8x25Z12
P-6	8x25Z16
P-6A	8x25Z16
DP-6A	8x25Z16
P-7	8x25Z16
E-1	L8x5x3ES12
E-2	L8x5x3ES12
E-3	L8x5x3ES12
E-4	L8x5x3ES12
E-5	L8x5x3ES12
E-6	L8x5x3ES12
E-7	8x25C16
E-8	8x25C16
E-9	8x25C16
E-10	8x25C16
E-11	8x25C16
E-12	8x25C16
E-13	L8x5x3ES12
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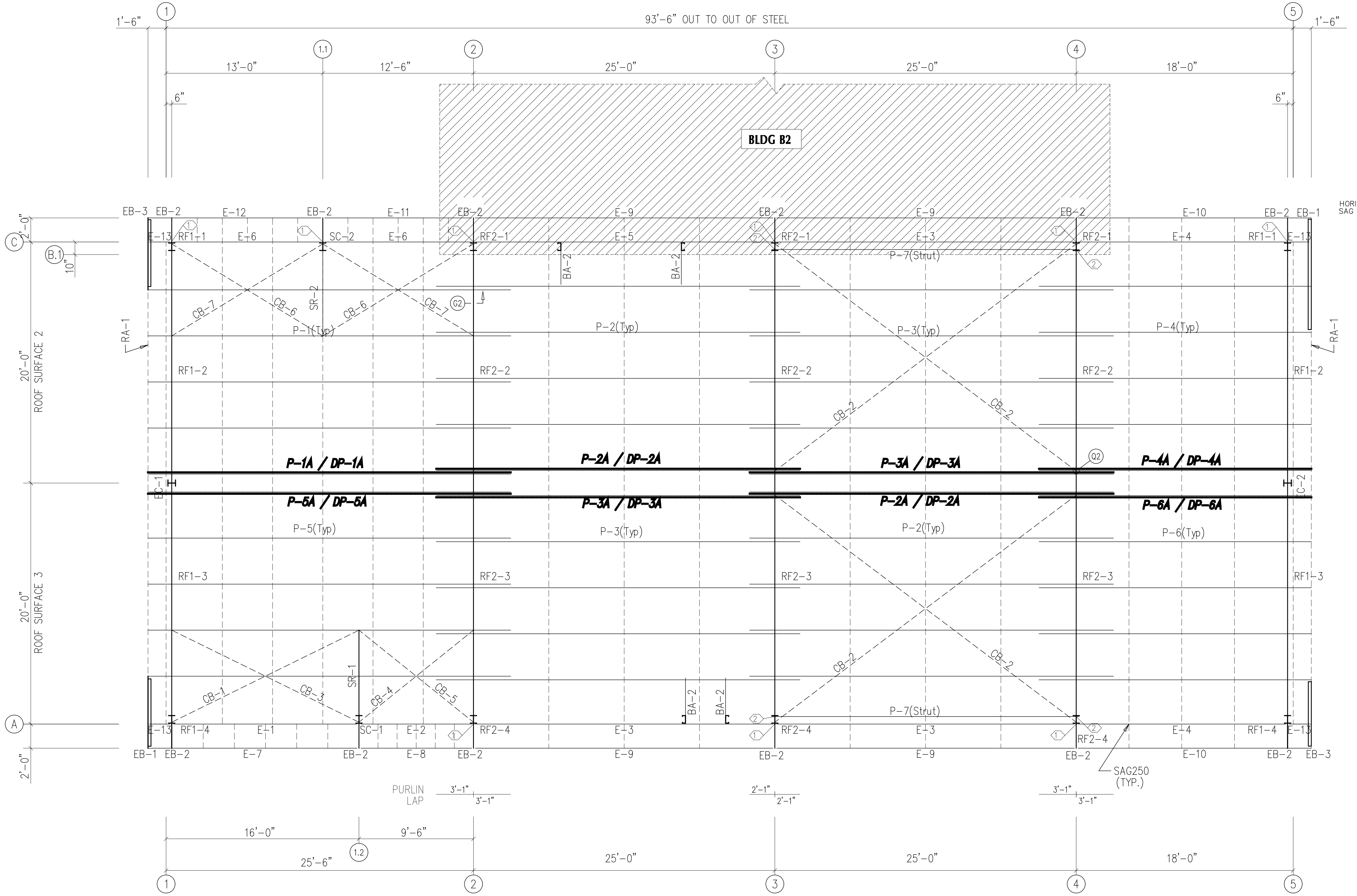
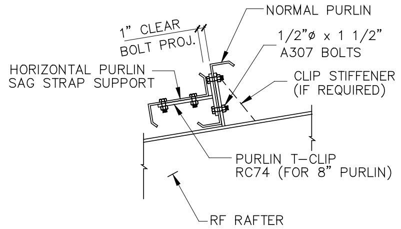
CB-7	CB0250



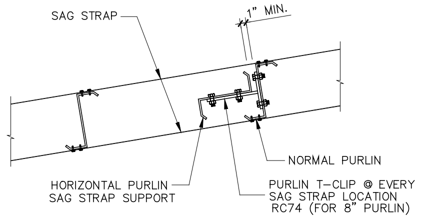
ROOF FRAMING PLAN

W/ 6" THK. OS ROOF INSULATION (BY OTHERS)



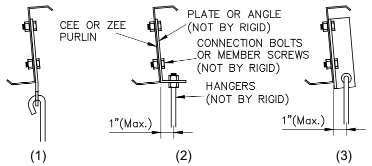
HORIZONTAL PURLIN CONNECTION TO RF RAFTER

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

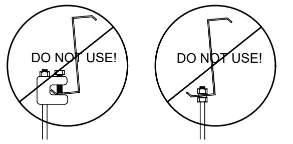


HORIZONTAL PURLIN CONNECTION TO NORMAL PURLIN

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



HANGERS ON CEE OR ZEE PURLINS MUST ATTACH TO THE WEB ONLY. HANGERS MUST BE LOCATED SO THAT THE SUPPORTED LOAD DOES NOT EXCEED THAT SPECIFIED IN THE CONTRACT DOCUMENTS. SUGGESTED DETAILS ARE AS SHOWN ABOVE.



DO NOT USE C-CLAMPS OR ANY OTHER HANGER ATTACHED TO THE FLANGE OF THE PURLIN. IT REDUCES THE CAPACITY OF THE PURLIN AND PRODUCE SECONDARY STRESSES.

TYP. COLLATERAL LOAD CONNECTION DETAIL

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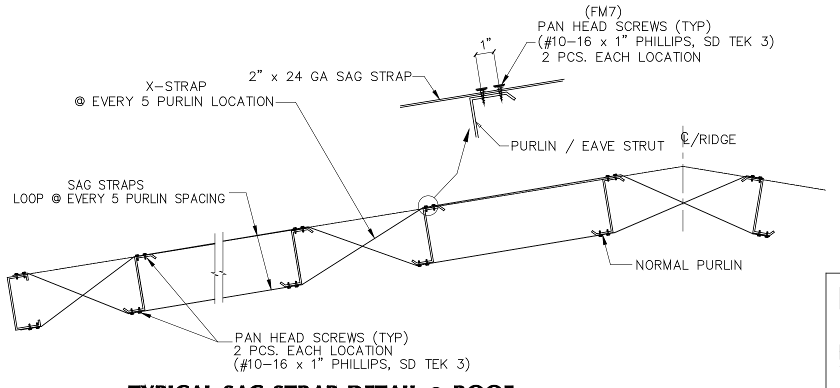

TYPICAL SAG STRAP DETAIL @ ROOF

(TOP & BOTTOM)

FOR
PERMIT

IMPORTANT NOTES:

High R-value roof insulation systems require two layers of insulation. The sag straps that prevent purlin roll may conflict with faced roof insulation between purlins. Rigid Global Buildings recommends an unfaced layer between the purlins that can be cut around the required framing.

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ROOF FRAMING PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	E01 OF 23	B

EXTENSION/CANOPY BOLTS
ROOF PLAN

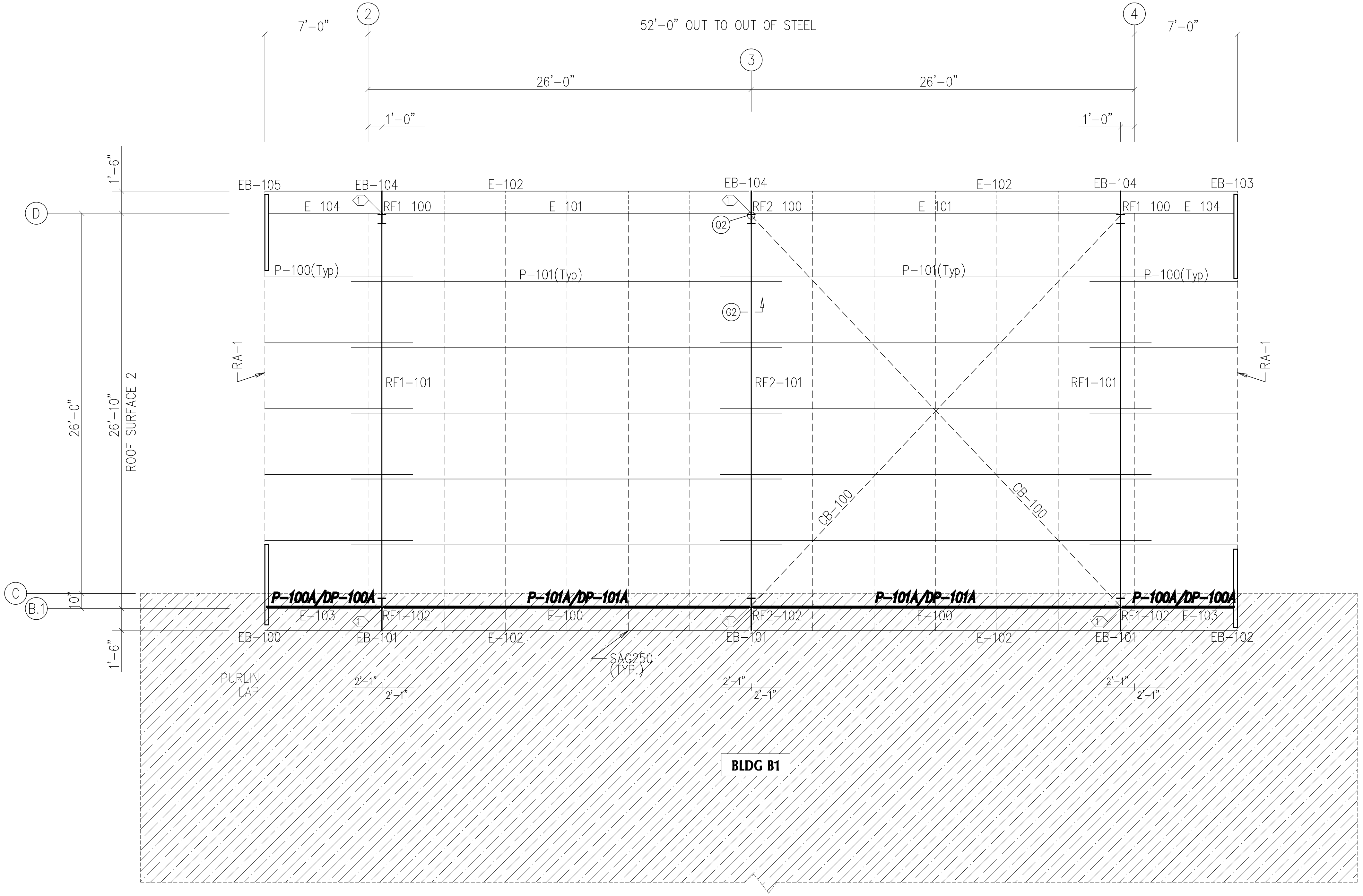
MARK	QUAN TYPE DIA	LENGTH
EB-101	(SHOP WELD)	
EB-104	(SHOP WELD)	

SPECIAL BOLTS
ROOF PLAN

◇ ID	QUAN	TYPE	DIA	LENGTH	WASH
1	2	A325	1/2"	1 1/4"	0

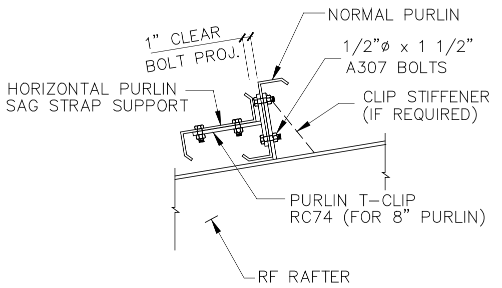
MEMBER TABLE
ROOF PLAN

MARK	PART
EB-100	8x35C12
EB-101	W8x10
EB-102	8x35C12
EB-103	8x35C12
EB-104	W8x10
EB-105	8x35C12
P-100	8x25Z16
P-100A	8x25Z16
DP-100A	8x25Z16
P-101	8x25Z14
P-101A	8x25Z14
DP-101A	8x25Z14
E-100	H8x5x3ES12
E-101	L8x5x3ES12
E-102	8x25C16
E-103	H8x5x3ES12
E-104	L8x5x3ES12
CB-100	CB0250



ROOF FRAMING PLAN

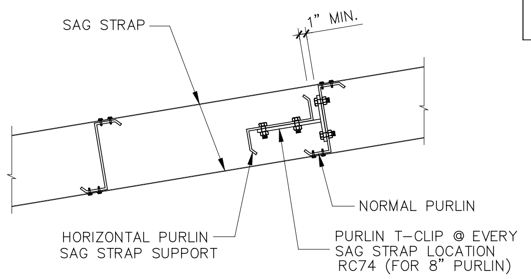
W/ 6" THK. OS ROOF INSULATION (BY OTHERS)



NORMAL PURLIN
1" CLEAR BOLT PROJ.
1/2"ø x 1 1/2" A307 BOLTS
HORIZONTAL PURLIN SAG STRAP SUPPORT
CLIP STIFFENER (IF REQUIRED)
PURLIN T-CLIP RC74 (FOR 8" PURLIN)
RF RAFTER

HORIZONTAL PURLIN CONNECTION TO RF RAFTER

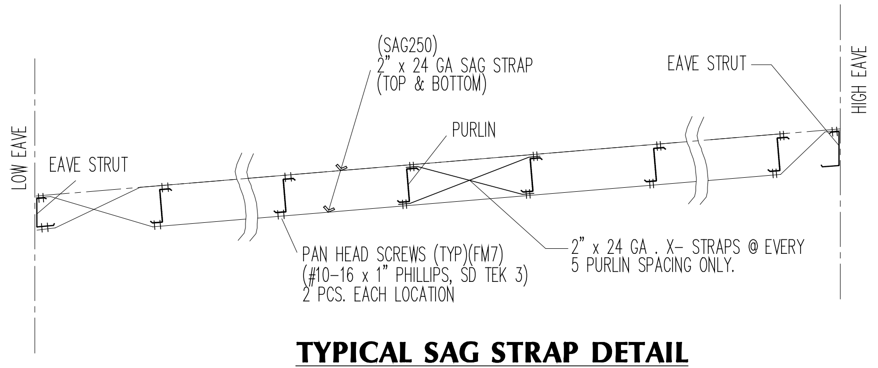
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



SAG STRAP
1" MIN.
NORMAL PURLIN
HORIZONTAL PURLIN SAG STRAP SUPPORT
PURLIN T-CLIP @ EVERY SAG STRAP LOCATION RC74 (FOR 8" PURLIN)

HORIZONTAL PURLIN CONNECTION TO NORMAL PURLIN

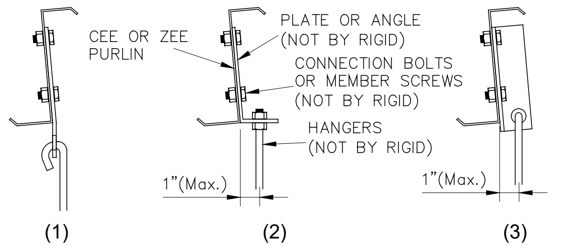
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



(SAG250) 2" x 24 GA SAG STRAP (TOP & BOTTOM)
EAVE STRUT
HIGH EAVE
PURLIN
LOW EAVE
EAVE STRUT
PAN HEAD SCREWS (TYP)(FM7) (#10-16 x 1" PHILLIPS, SD TEK 3) 2 PCS. EACH LOCATION
2" x 24 GA . X- STRAPS @ EVERY 5 PURLIN SPACING ONLY.

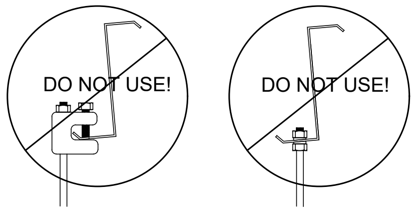
TYPICAL SAG STRAP DETAIL

(BRACED AT TOP & BOTTOM)



CEE OR ZEE PURLIN
PLATE OR ANGLE (NOT BY RIGID)
CONNECTION BOLTS OR MEMBER SCREWS (NOT BY RIGID)
HANGERS (NOT BY RIGID)
1"(Max.)
1"(Max.)
(1)
(2)
(3)

HANGERS ON CEE OR ZEE PURLINS MUST ATTACH TO THE WEB ONLY. HANGERS MUST BE LOCATED SO THAT THE SUPPORTED LOAD DOES NOT EXCEED THAT SPECIFIED IN THE CONTRACT DOCUMENTS. SUGGESTED DETAILS ARE AS SHOWN ABOVE.



DO NOT USE C-CLAMPS OR ANY OTHER HANGER ATTACHED TO THE FLANGE OF THE PURLIN. IT REDUCES THE CAPACITY OF THE PURLIN AND PRODUCE SECONDARY STRESSES.

TYP. COLLATERAL LOAD CONNECTION DETAIL

IMPORTANT NOTES:

High R-value roof insulation systems require two layers of insulation. The sag straps that prevent purlin roll may conflict with faced roof insulation between purlins. Rigid Global Buildings recommends an unfaced layer between the purlins that can be cut around the required framing.

FOR PERMIT

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT RIGID GLOBAL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY RIGID IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN RIGID ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

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B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ROOF FRAMING PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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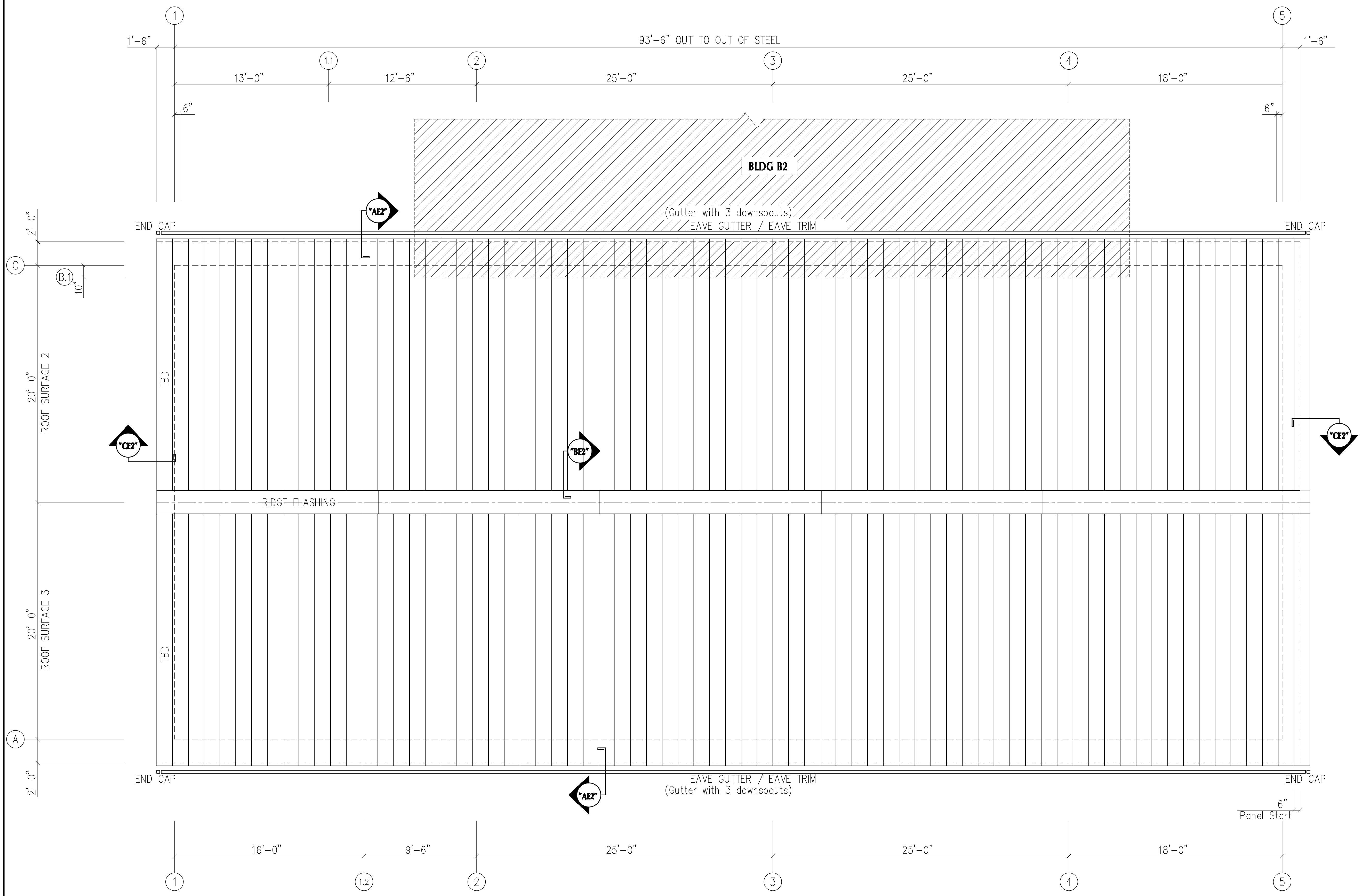
75886	167836-37	N.T.S.	E02 OF 23	B



ROOF SHEETING PLAN

PANELS: 24 Ga. MEDALLION-LOK SEAM 12" - KYNAR 500 MATT BLACK
ALL ROOF TRIMS AS PER MCELROY

IMPORTANT NOTES:
Additional Panel Information

Roof Panel: 24GA. MEDALLION LOK-SEAM 12", KYNAR 500 MATT BLACK BY MCELROY
Roof Insulation Thickness (in.) Above Purlin: BY OTHERS
SSR Clip Type: BY MCELROY
SSR Seam Type: BY MCELROY

1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

ERECTOR'S NOTE

1. INSTALLER OF STANDING SEAM ROOF PANEL MUST STUDY THE INSTALLATION MANUALS PRIOR TO INSTALLATION. MANUALS ARE PROVIDED WITH THE MATERIALS SHIPMENT BUT CAN BE REQUESTED OR DOWNLOADED FROM THE MCELROY WEBSITE AT www.mcelroymetal.com
2. FAILURE TO INSTALL THE ROOF SHEETS IN ACCORDANCE WITH THE SHEETING DIRECTIONAL ARROWS SHOWN ON THESE PLANS MAY RESULT IN IMPROPER FIT-UP OF THE OUTSIDE CLOSURES (END DAMS) AND POSSIBLY OTHER TRIM COMPONENTS WHICH COULD AFFECT THE OVERALL APPEARANCE AND WEATHER TIGHTNESS OF THE BUILDING. RIGID WILL NOT BE HELD REPONSIBLE FOR THE CHARGES OR ADDITIONAL FIELD WORK DUE TO NOT FOLLOWING SHEETING DIRECTIONAL ARROWS AND OTHER PROCEDURES OUTLINED IN THE ERECTION MANUAL.
3. IN THE EVENT THAT A DISCREPANCY OR ERROR ARISES WITH MATERIALS SHIPPED FOR THIS PROJECT OR ON THESE ERECTION DRAWINGS, THE ERECTOR/INSTALLER MUST NOTIFY RGB PRIOR TO CORRECTING. IF RGB IS NOT NOTIFIED, RGB WILL NOT HONOR BACKCHARGES BY ANY PARTY INVOLVED.
4. MEMBER SCREW AND STITCH SCREW PATTERNS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ROOF AND WALL DETAILS SHOWN ON DWG.# E022
5. RGB SUPPLIES 5% OVERAGE FOR SCREWS AND ANY CLAIM ON SHORTAGE BECAUSE OF NON-COMPLIANCE WITH THE DRAWINGS SHALL NOT BE RGB'S RESPONSIBLITY.

CHAO CHI
C 83009
EXP 09/30/2024

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ROOF SHEETING PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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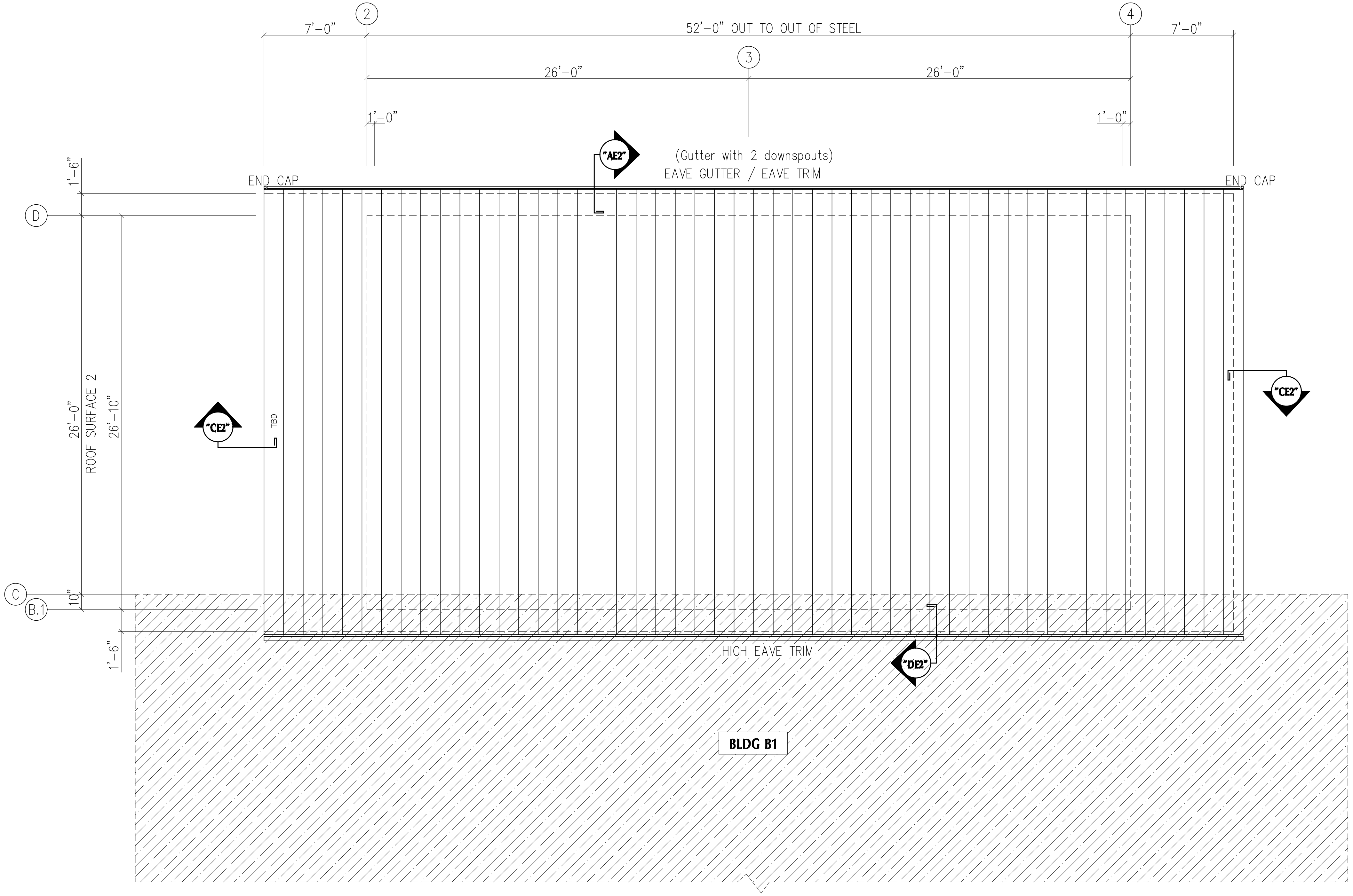
75886	167836-37	N.T.S.	E03 OF 23	B



ROOF SHEETING PLAN

PANELS: 24 Ga. MEDALLION–LOK SEAM 12" – KYNAR 500 MATT BLACK
ALL ROOF TRIMS AS PER MCELROY

IMPORTANT NOTES:

Additional Panel Information

Roof Panel: 24GA. MEDALLION LOK–SEAM 12", KYNAR 500 MATT BLACK BY MCELROY
Roof Insulation Thickness (in.) Above Purlin: BY OTHERS
SSR Clip Type: BY MCELROY
SSR Seam Type: BY MCELROY

1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

ERECTOR'S NOTE

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4. MEMBER SCREW AND STITCH SCREW PATTERNS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ROOF AND WALL DETAILS SHOWN ON DWG.# E022
5. RGB SUPPLIES 5% OVERAGE FOR SCREWS AND ANY CLAIM ON SHORTAGE BECAUSE OF NON–COMPLIANCE WITH THE DRAWINGS SHALL NOT BE RGB'S RESPONSIBLITY.

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
Fax : (281) 443–9064

DESCRIPTION	ROOF SHEETING PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836–37	N.T.S.	E04 OF 23	B

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Qty Bot	Qty Int	Type	Dia	Length	Width	Thick	Length
SP-1	4	4	2	A325	0.625	2.25	6"	5/8"	2'-10 1/16"
SP-2	4	4	0	A325	0.625	2.00	6"	1/2"	2'-1 5/8"

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Plate Size Thick	Plate Size Length
RF1-1	St- 1	2.500	0.250	17.50
RF1-4	St- 1	2.500	0.250	17.50

BASE PLATE TABLE

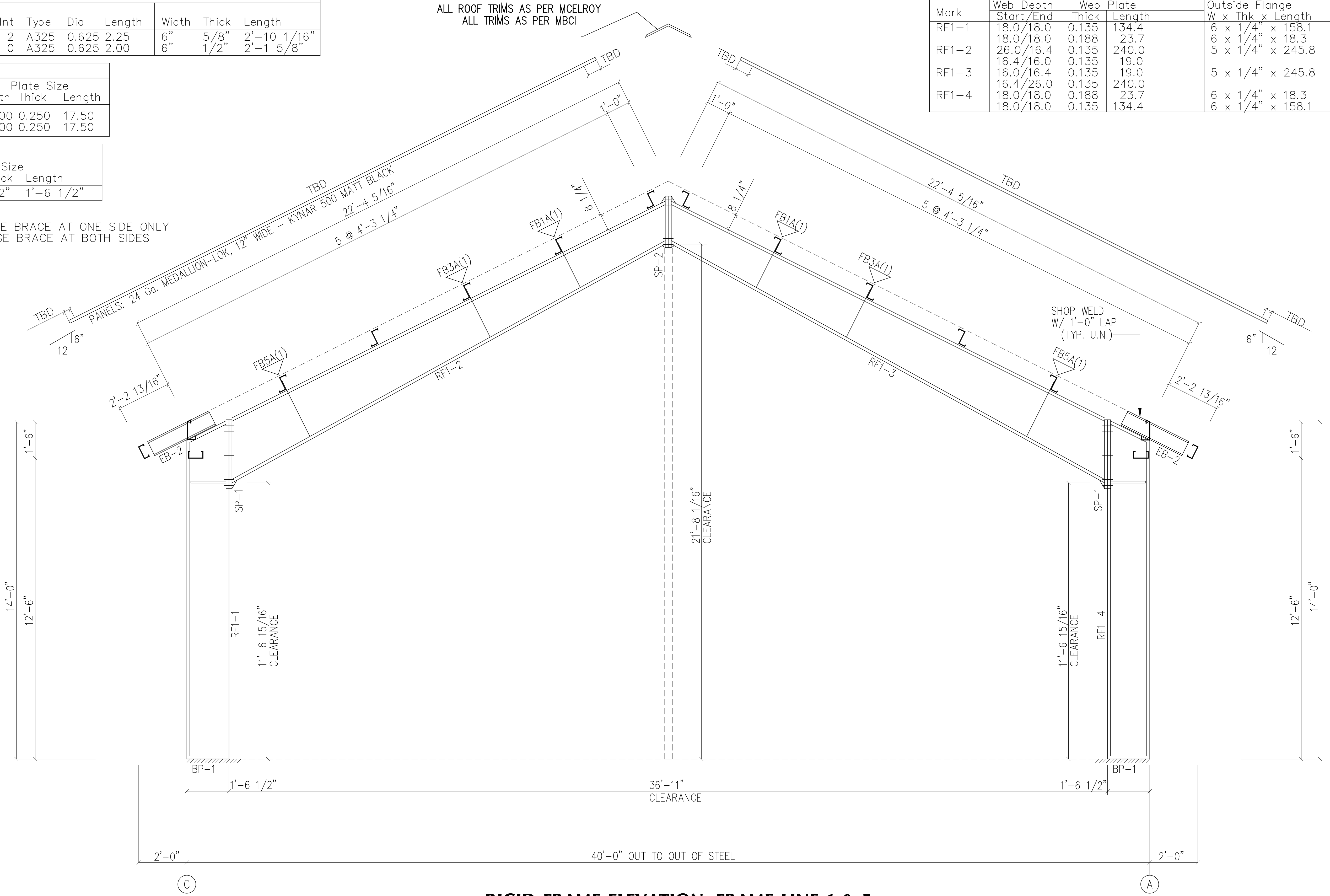
Col Mark	Plate Size Width	Plate Size Thick	Plate Size Length
BP-1	8"	1/2"	1'-6 1/2"

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	18.0/18.0	0.135	134.4	6 x 1/4" x 158.1	6 x 1/4" x 134.4
	18.0/18.0	0.188	23.7	6 x 1/4" x 18.3	
RF1-2	26.0/16.4	0.135	240.0	5 x 1/4" x 245.8	5 x 1/4" x 251.0
	16.4/16.0	0.135	19.0		
RF1-3	16.0/16.4	0.135	19.0	5 x 1/4" x 245.8	5 x 1/4" x 251.0
	16.4/26.0	0.135	240.0		
RF1-4	18.0/18.0	0.188	23.7	6 x 1/4" x 18.3	6 x 1/4" x 134.4
	18.0/18.0	0.135	134.4	6 x 1/4" x 158.1	

ALL ROOF TRIMS AS PER MCELROY
ALL TRIMS AS PER MBCI

FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A – L2x2x14



RIGID FRAME ELEVATION: FRAME LINE 1 & 5

GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.

1. ALL PRIMARY STRUCTURAL STEEL SHALL BE FABRICATED FROM 50 OR 55 KSI STEEL.
2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

FOR
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CHAO CHI
C 83009
EXP 09/30/2024
CIVIL

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	E05 OF 23	B

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP−1	4	4	2	A325	0.750	2.75	6”	3/4”	3’−2 5/8”
SP−2	4	4	0	A325	0.625	2.00	6”	1/2”	2’−1 5/8”

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Thick	Length
RF2−1	St− 1	2.500	0.250	17.50
RF2−4	St− 1	2.500	0.250	17.50

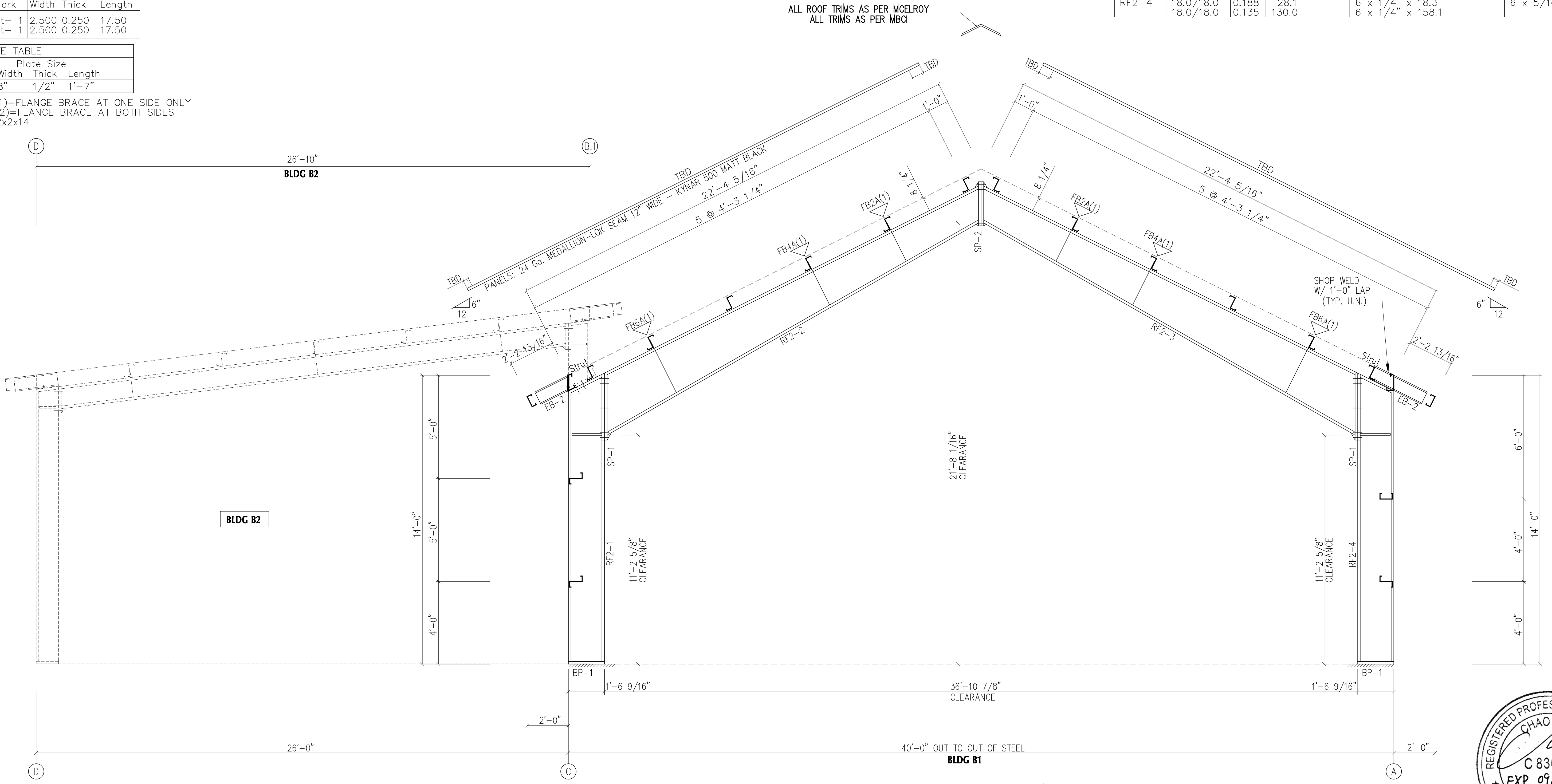
BASE PLATE TABLE

Col Mark	Plate Size Width	Thick	Length
BP−1	8”	1/2”	1’−7”

FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A − L2x2x14

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2−1	18.0/18.0	0.135	130.0	6 x 1/4” x 158.1	6 x 5/16” x 130.0
	18.0/18.0	0.188	28.1	6 x 1/4” x 18.3	
RF2−2	30.0/16.7	0.135	240.0	5 x 1/4” x 245.6	5 x 1/4” x 252.9
	16.7/16.0	0.135	20.7		
RF2−3	16.0/16.7	0.135	20.7	5 x 1/4” x 245.6	5 x 1/4” x 252.9
	16.7/30.0	0.135	240.0		
RF2−4	18.0/18.0	0.188	28.1	6 x 1/4” x 18.3	6 x 5/16” x 130.0
	18.0/18.0	0.135	130.0	6 x 1/4” x 158.1	



RIGID FRAME ELEVATION: FRAME LINE 2, 3 & 4

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.

1. ALL PRIMARY STRUCTURAL STEEL SHALL BE FABRICATED FROM 50 OR 55 KSI STEEL.
2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443−9065
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DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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75886	167836−37	N.T.S.	E06 OF 23	B

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Bot	Int	Type	Dia	Length	Width	Thick	Length
SP-1	2	4	0	A325	0.875	2.75	6"	3/4"	1'-2 5/16"
SP-2	2	4	0	A325	0.625	2.00	6"	1/2"	1'-2 1/4"

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Thick	Length
RF1-100	St- 1	2.500	0.250	1.750
RF1-102	St- 1	2.410	0.313	1.250

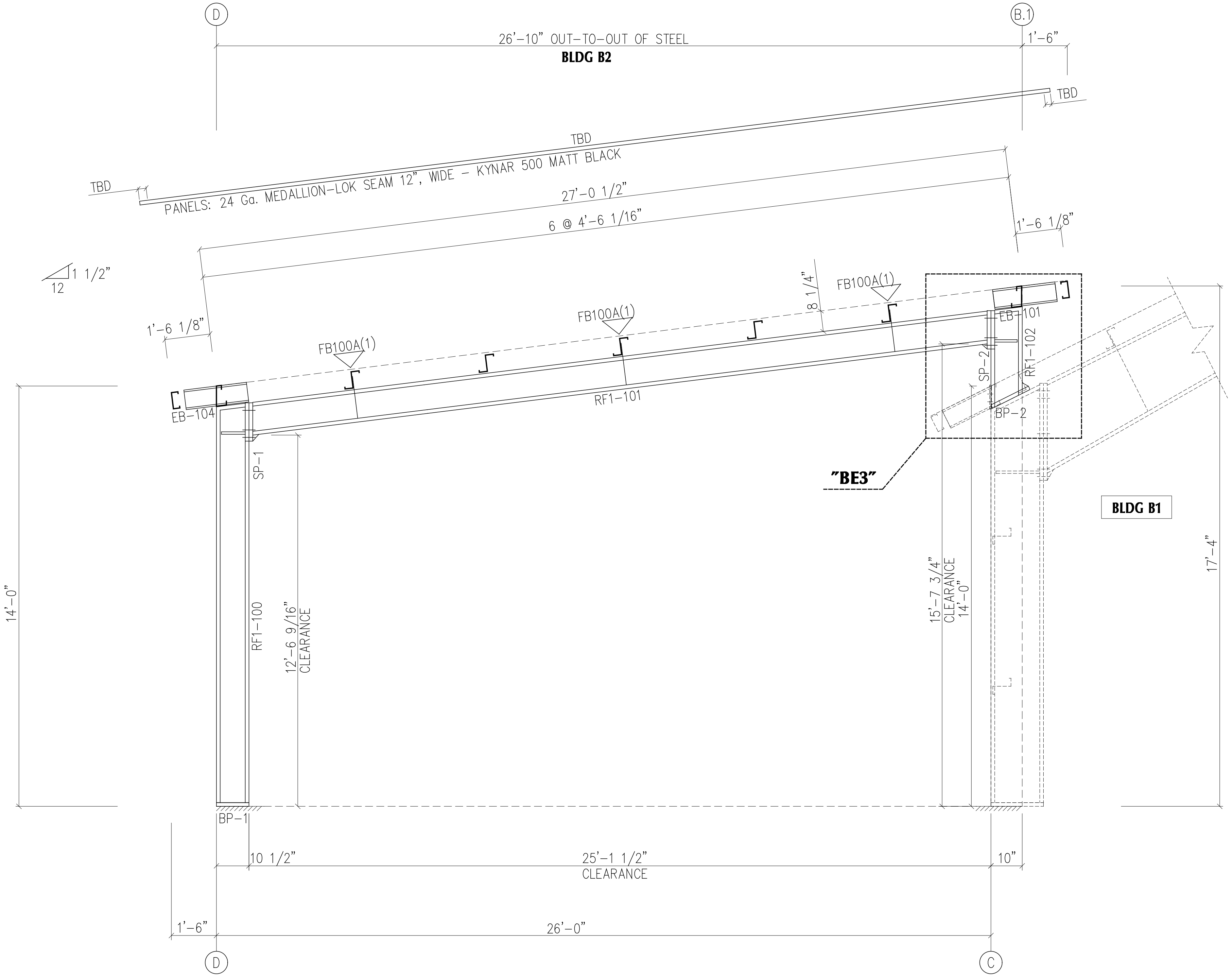
BASE PLATE TABLE

Col Mark	Plate Size Width	Thick	Length
BP-1	8"	1/2"	10 1/2"
BP-2	8"	1/2"	10"

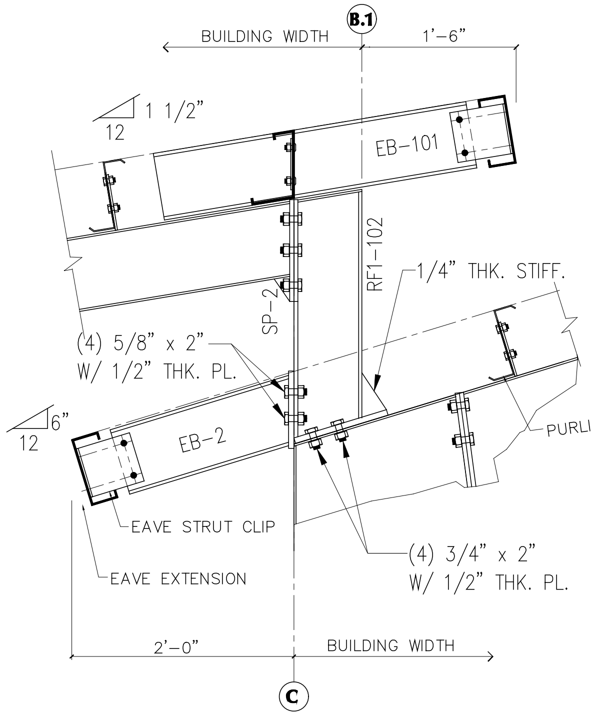
FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A - L2x2x14

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-100	10.0/10.0	0.135	146.8	6 x 1/4" x 158.9	6 x 1/4" x 146.8
	10.0/10.0	0.188	13.4	6 x 1/4" x 10.3	
RF1-101	10.0/10.0	0.135	240.0	5 x 1/4" x 301.8	5 x 1/4" x 301.8
	10.0/10.0	0.135	63.0		
RF1-102	9.5/ 9.5	0.135	30.9	6 x 1/4" x 9.8 5 x 1/4" x 30.9	5 x 1/4" x 16.2



RIGID FRAME ELEVATION: FRAME LINE 2 & 4



'DETAIL 'BE3'

CHAO CHI
C 83009
EXP 09/30/2024
CIVIL

GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.

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2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	E07 OF 23	B

SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Qty Bot	Qty Int	Type	Dia	Length	Width	Thick	Length
SP-1	2	4	0	A325	1.000	3.00	8"	3/4"	1'-2 9/16"
SP-2	2	4	0	A325	0.625	2.00	6"	1/2"	1'-2 1/4"

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Plate Size Thick	Plate Size Length
RF2-100	St- 1	2.500	0.250	1.750
RF2-102	St- 1	2.410	0.313	1.250

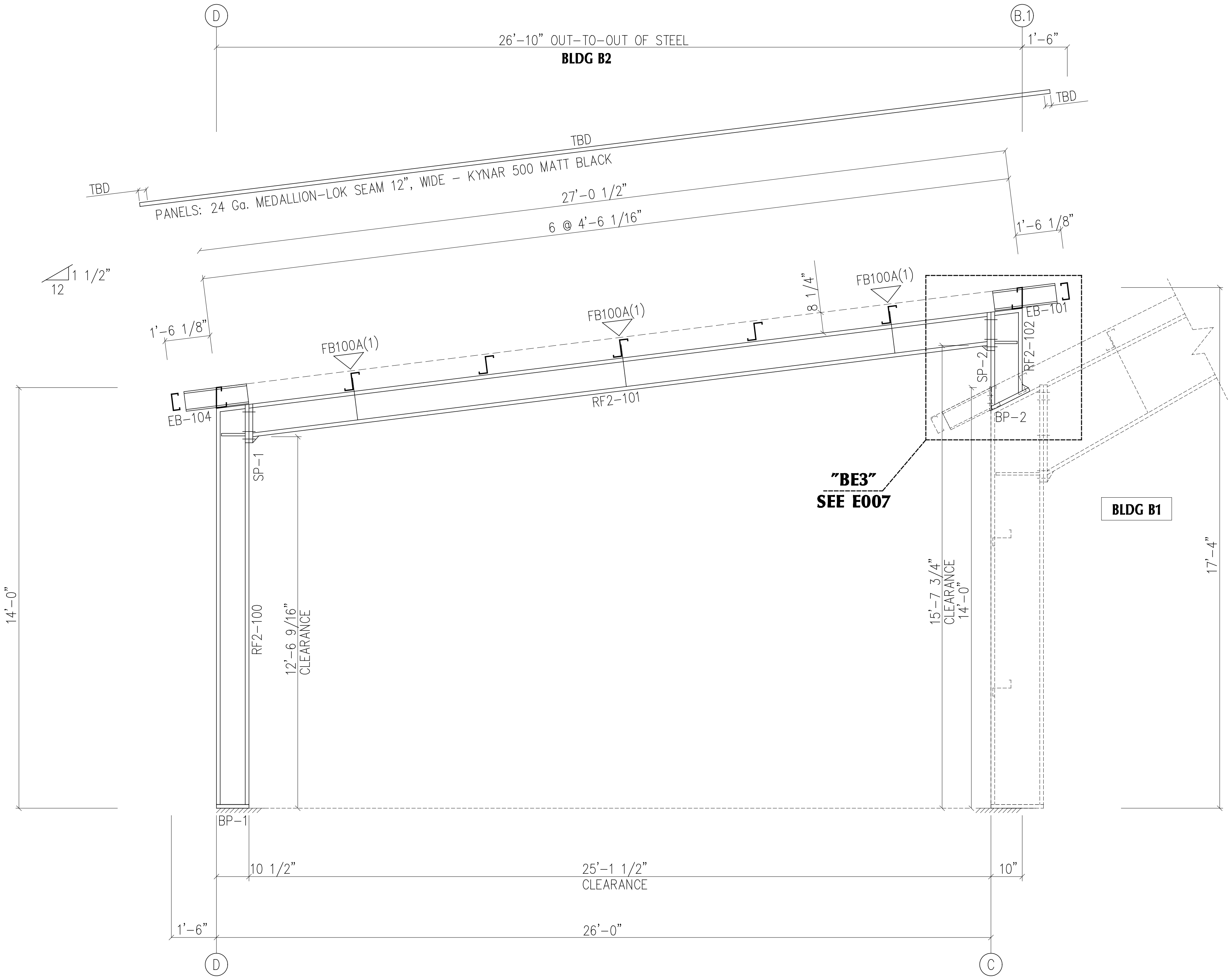
BASE PLATE TABLE

Col Mark	Plate Size Width	Plate Size Thick	Plate Size Length
BP-1	8"	1/2"	10 1/2"
BP-2	8"	1/2"	10"

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF2-100	10.0/10.0	0.135	146.6	6 x 1/4" x 158.9	6 x 1/4" x 146.6
	10.0/10.0	0.250	13.6	6 x 1/4" x 10.3	
RF2-101	10.0/10.0	0.135	240.0	5 x 1/4" x 301.8	5 x 1/4" x 301.8
	10.0/10.0	0.135	63.0		
RF2-102	9.5/ 9.5	0.135	30.9	6 x 1/4" x 9.8 5 x 1/4" x 30.9	5 x 1/4" x 16.2

FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A - L2x2x14



RIGID FRAME ELEVATION: FRAME LINE 3

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GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.

1. ALL PRIMARY STRUCTURAL STEEL SHALL BE FABRICATED FROM 50 OR 55 KSI STEEL.
2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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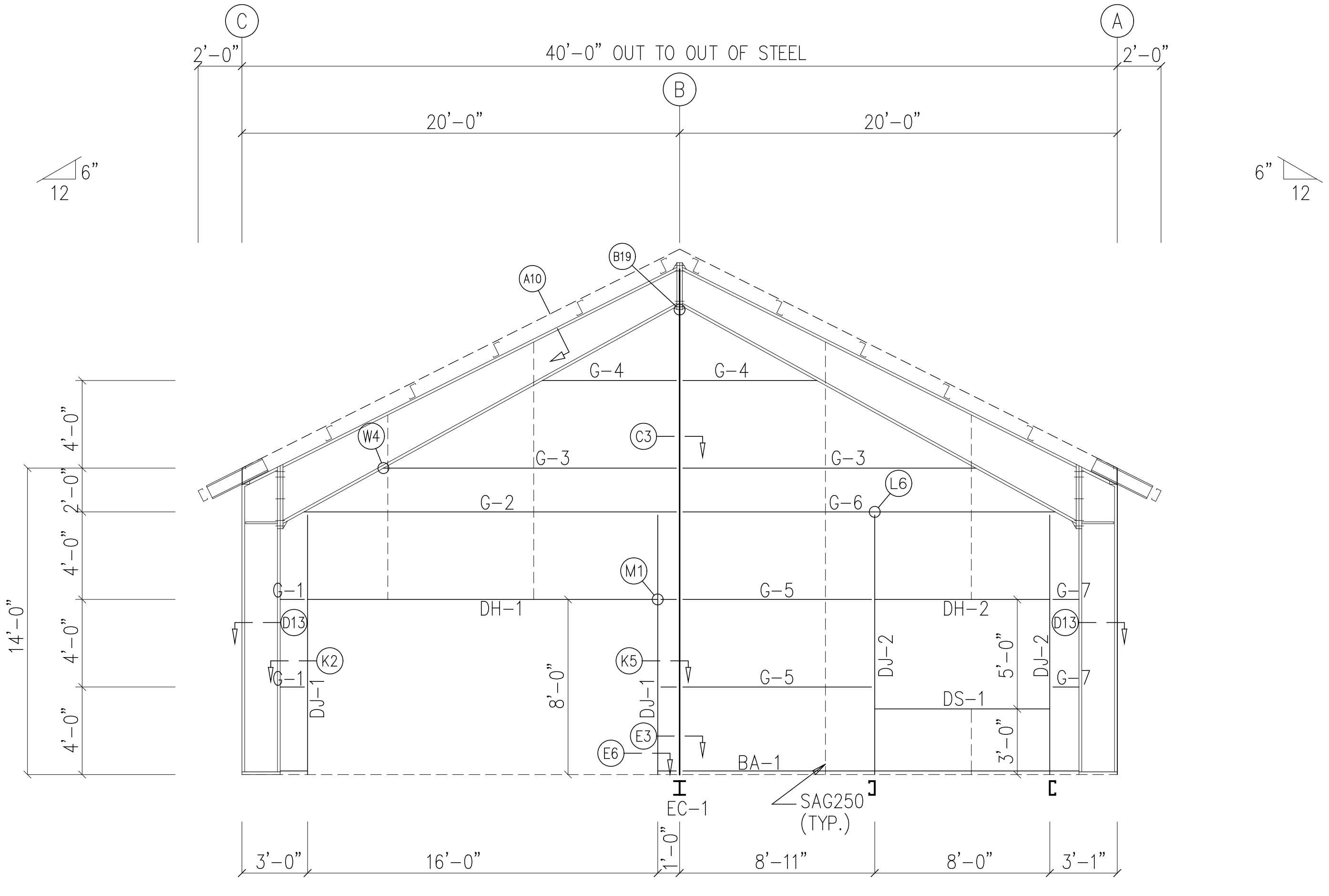
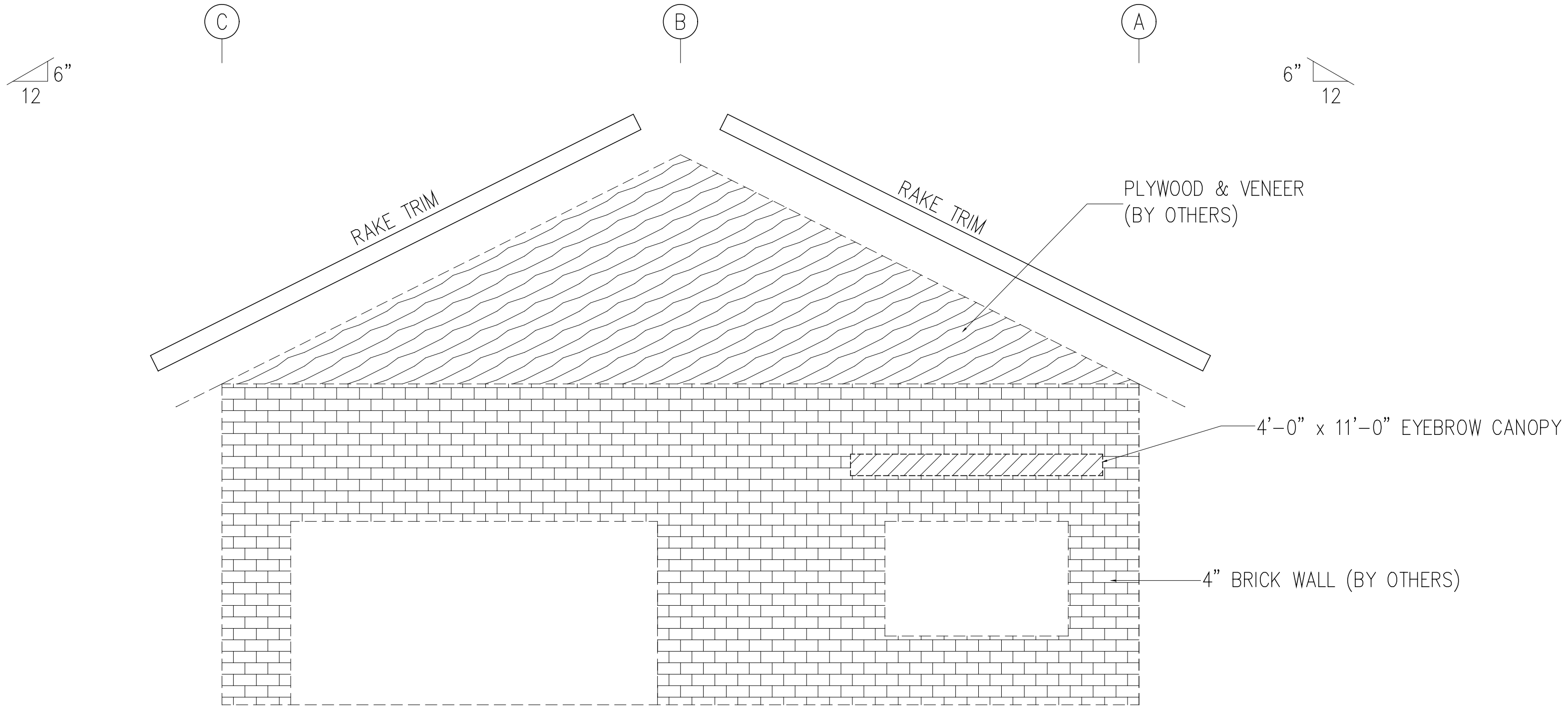
75886	167836-37	N.T.S.	E08 OF 23	B



ENDWALL FRAMING: FRAME LINE 1

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



ENDWALL SHEETING & TRIM: FRAME LINE 1

ALL ROOF TRIMS AS PER MCELROY

BOLT TABLE
FRAME LINE 1

LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE
FRAME LINE 1

MARK	PART
EC-1	W08542
DJ-1	8x25C16
DJ-2	8x25C16
DH-1	8x25C16
DH-2	8x25C16
DS-1	8x25C16
G-1	8x25Z16
G-2	8x25Z16
G-3	8x25C16
G-4	8x25Z16
G-5	8x25Z16
G-6	8x25Z16
G-7	8x25Z16

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GLOBAL BUILDINGS
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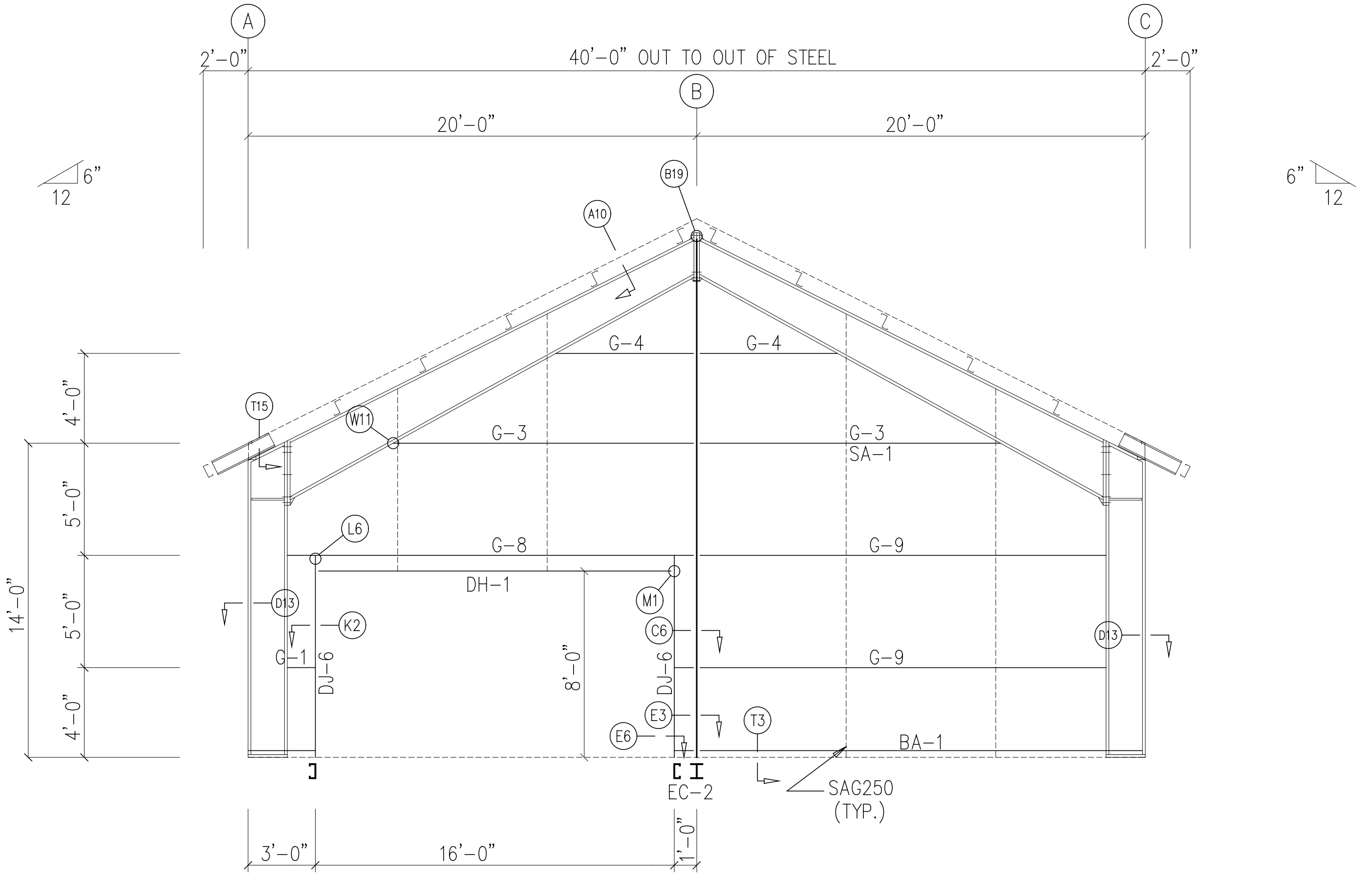
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ENDWALL FRAMING		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	E09 OF 23	B

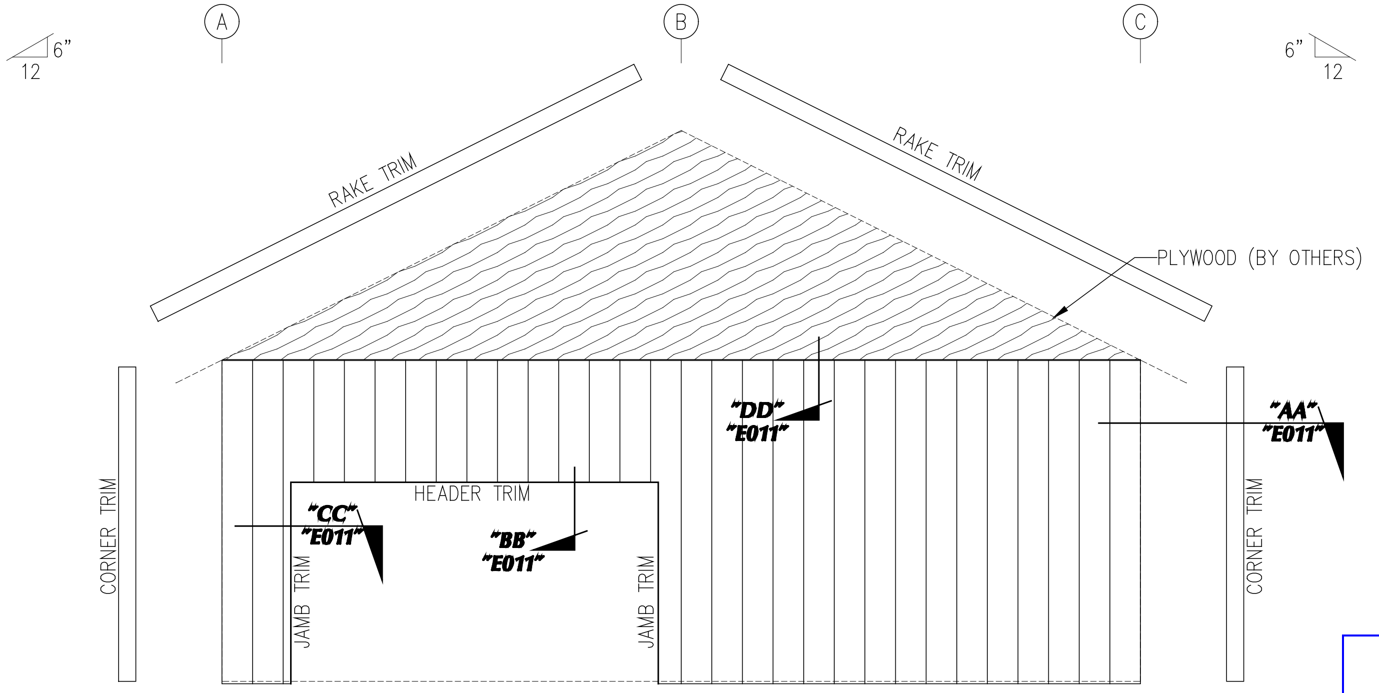
BOLT TABLE FRAME LINE 5				
LOCATION	QUAN	TYPE	DIA	LENGTH
Columns/Raf	4	A325	1/2"	1 1/4"

MEMBER TABLE FRAME LINE 5	
MARK	PART
EC-2	W08542
DJ-6	8x25C16
DH-1	8x25C16
G-1	8x25Z16
G-3	8x25C16
G-4	8x25Z16
G-8	8x25Z16
G-9	8x25Z16



ENDWALL FRAMING: FRAME LINE 5

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



ENDWALL SHEETING & TRIM: FRAME LINE 5

PANELS: 24GA MBCI DESIGNER SERIES 16" - CHARCOAL GRAY
ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI

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NOTE:
FIELD CUT PANEL TO SUIT ROOF SLOPE:

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GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ENDWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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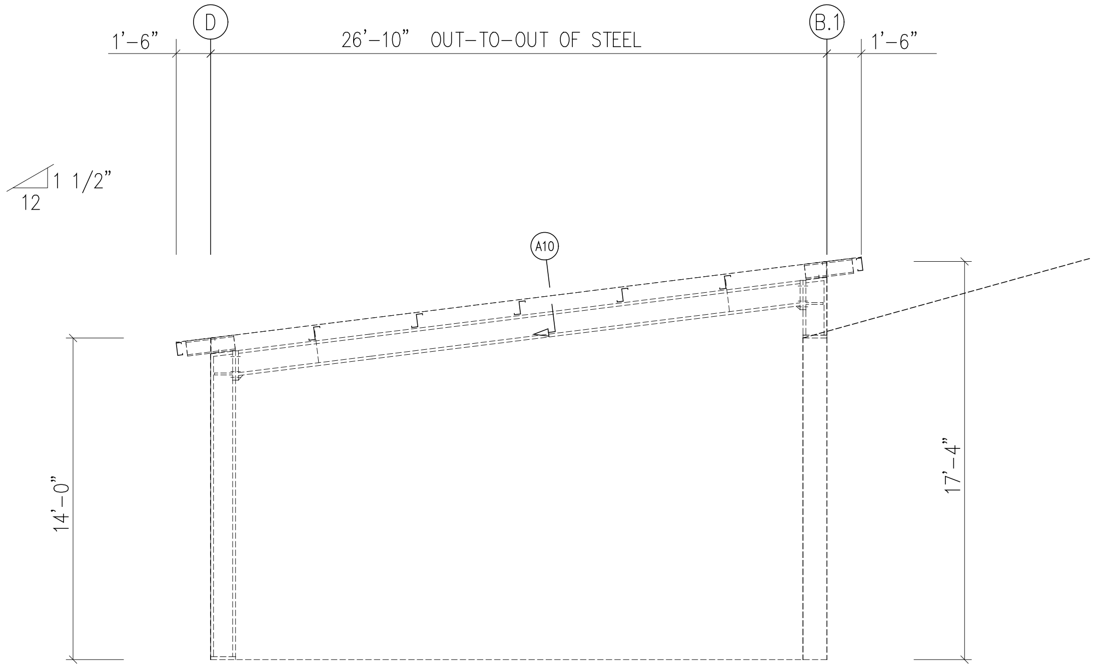
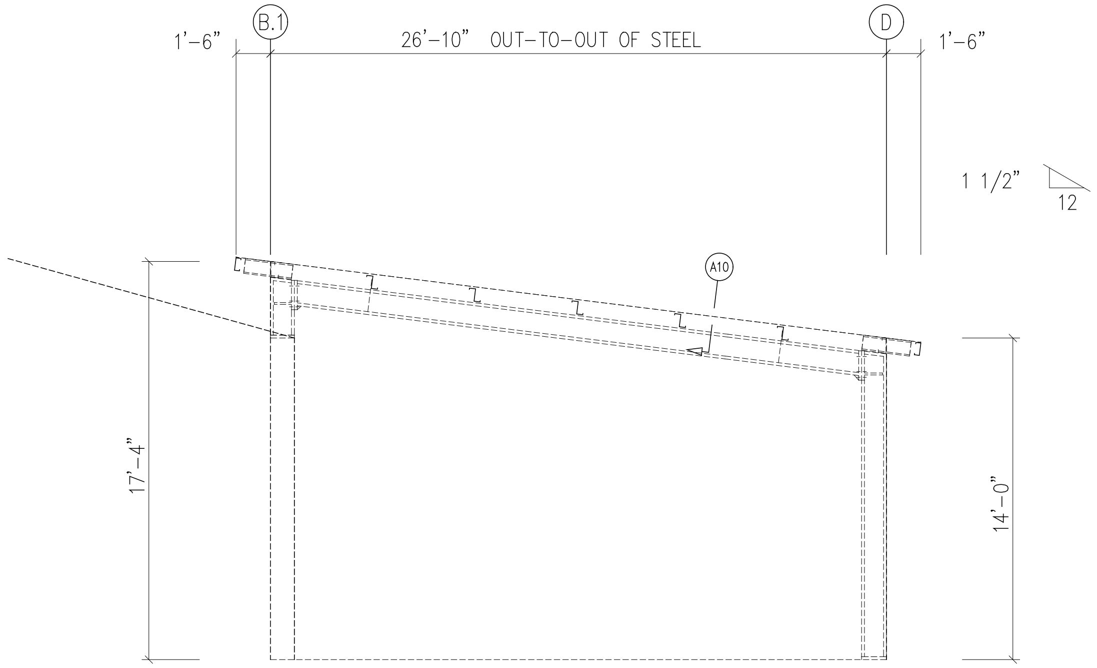
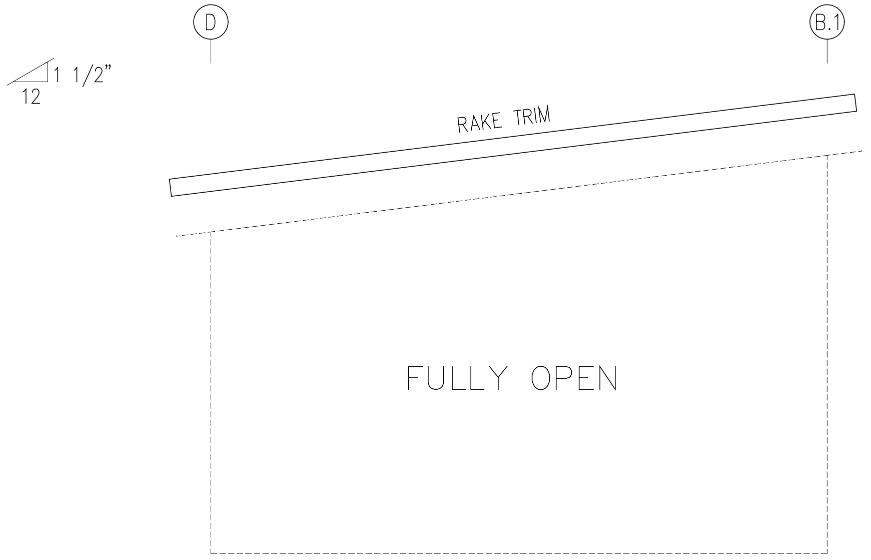
75886B1	167836-37	N.T.S.	E10 OF 23	B



ENDWALL FRAMING: FRAME LINE 2

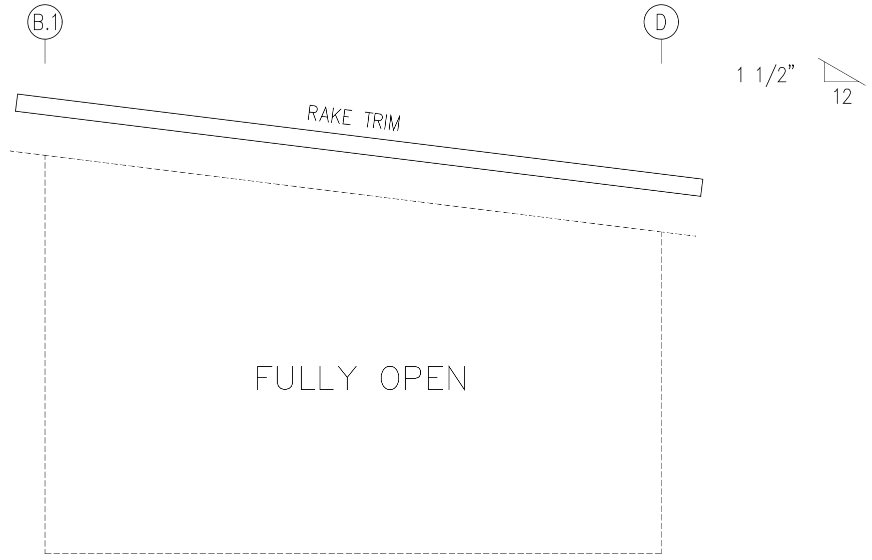


ENDWALL FRAMING: FRAME LINE 4



ENDWALL TRIM: FRAME LINE 2

ALL ROOF TRIMS AS PER MCELROY



ENDWALL TRIM: FRAME LINE 4

ALL ROOF TRIMS AS PER MCELROY

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RIGID
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18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	ENDWALL FRAMING		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

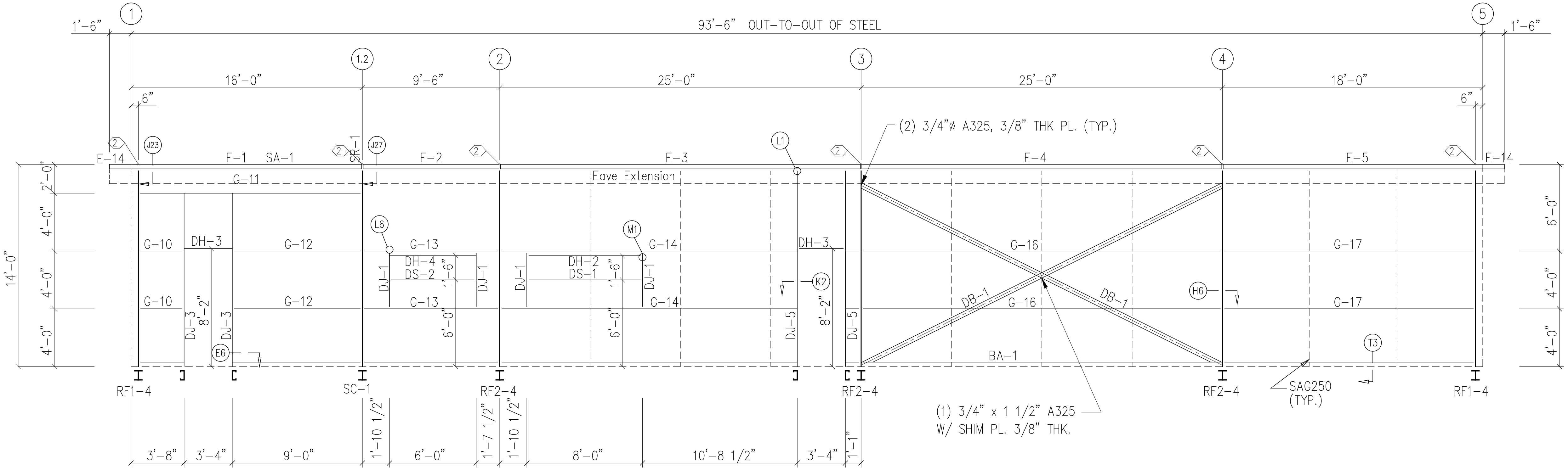
SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	E11 OF 23	B

NOTE:
FIELD CUT PANEL TO SUIT ROOF SLOPE:

BOLT TABLE FRAME LINE A				
LOCATION	QUAN	TYPE	DIA	LENGTH
SC–1	2	A325	5/8"	1 1/2"

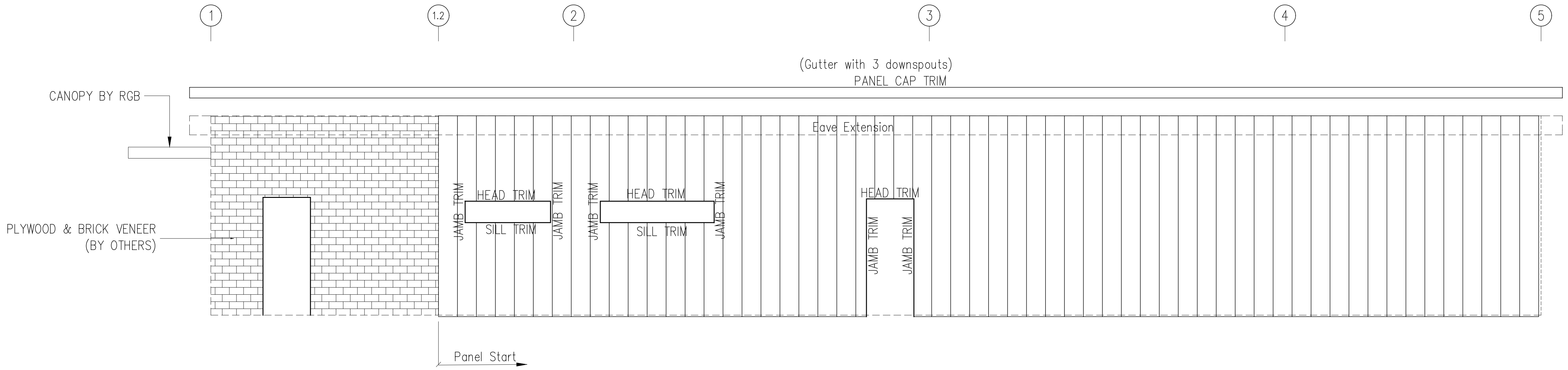
SPECIAL BOLTS					
⬡ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	2	A325	1/2"	1 1/4"	0

MEMBER TABLE FRAME LINE A	
MARK	PART
SC–1	W8x10
SR–1	W8x10
DJ–3	8x25C16
DJ–4	8x25C16
DJ–5	8x25C16
DH–2	8x25C16
DH–3	8x25C16
DH–4	8x25C16
DS–1	8x25C16
DS–2	8x25C16
E–1	L8ES12
E–2	L8ES12
E–3	L8ES12
E–4	L8ES12
E–5	L8ES12
E–14	L8ES12
G–10	8x25Z16
G–11	8x25Z16
G–12	8x25Z16
G–13	8x25Z16
G–14	8x25Z16
G–15	8x25Z16
G–16	8x25Z16
G–17	8x25Z16
DB–1	L3x3x316



SIDEWALL FRAMING: FRAME LINE A

W/ 3" THK. WALL INSULATION (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 24GA MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI

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GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
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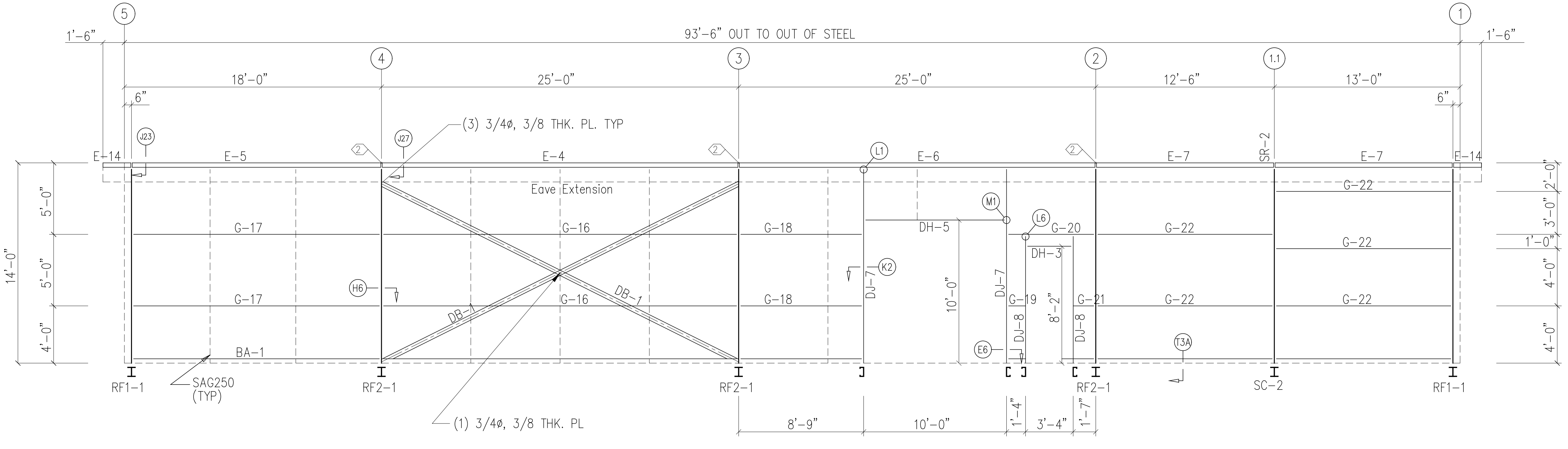
DESCRIPTION	SIDEWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836–37	N.T.S.	E12 OF 23	B

BOLT TABLE FRAME LINE C	
LOCATION	QUAN TYPE DIA LENGTH
SC-2	2 A325 5/8" 1 1/2"

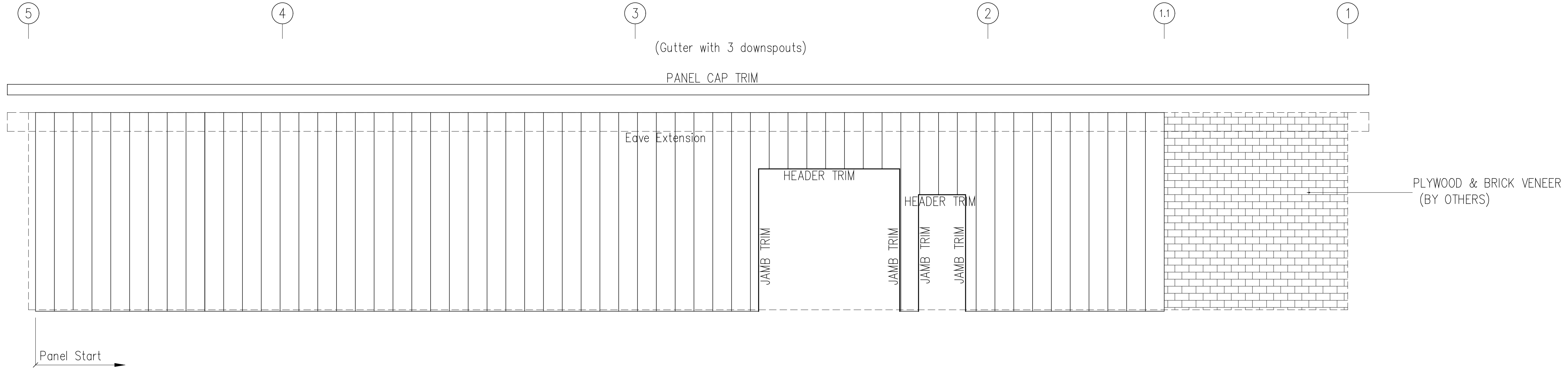
SPECIAL BOLTS					
⬡ ID	QUAN	TYPE	DIA	LENGTH	WASH
2	2	A325	1/2"	1 1/4"	0

MEMBER TABLE FRAME LINE C	
MARK	PART
SC-2	W8x10
SR-2	W8x10
DJ-7	8x25C16
DJ-8	8x25C16
DH-3	8x25C16
DH-5	8x25C16
E-4	L8ES12
E-5	L8ES12
E-6	L8ES12
E-7	L8ES12
E-14	L8ES12
G-16	8x25Z16
G-17	8x25Z16
G-18	8x25Z16
G-19	8x25Z16
G-20	8x25Z16
G-21	8x25Z16
G-22	8x25Z16
DB-1	L3x3x316



SIDEWALL FRAMING: FRAME LINE C

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE C

PANELS: 24GA MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI

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Phone : (281) 443-9065
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DESCRIPTION	SIDEWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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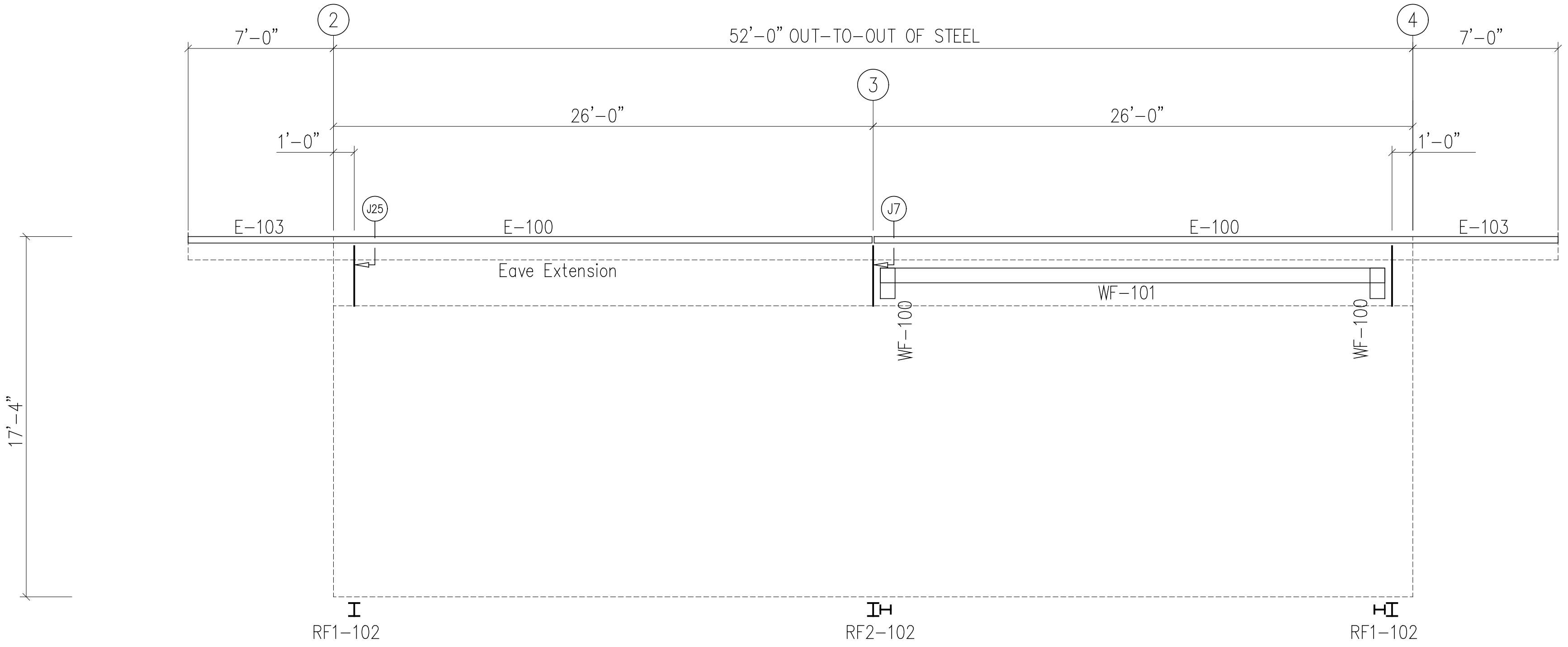
75886	167836-37	N.T.S.	E13 OF 23	B

BOLT TABLE
FRAME LINE C

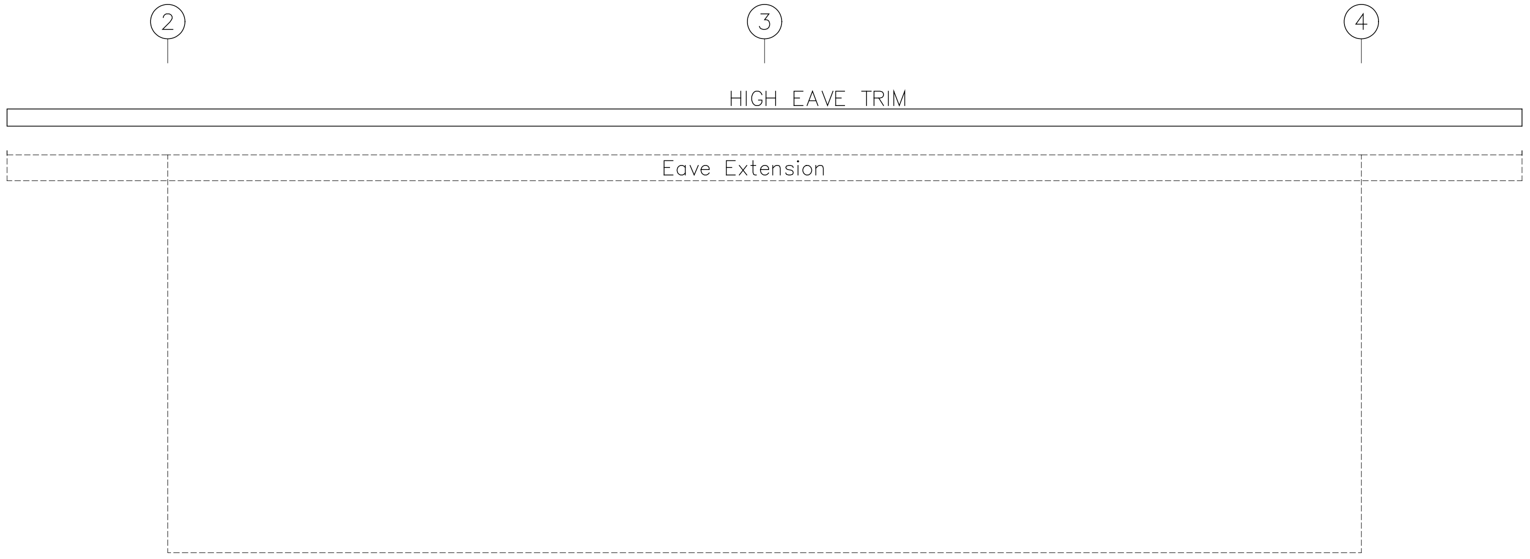
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-100 – WF-101	8	A325	5/8"	2"
WF-100 – RF2-102	4	A325	5/8"	1 1/2"
WF-100 – RF1-102	4	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE C

MARK	PART
WF-100	W08642
WF-101	W08642
E-100	H8X5X3E12
E-103	H8X5X3E12



SIDEWALL FRAMING: FRAME LINE B.1



SIDEWALL SHEETING & TRIM: FRAME LINE B.1

ALL ROOF TRIMS AS PER MCELROY

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END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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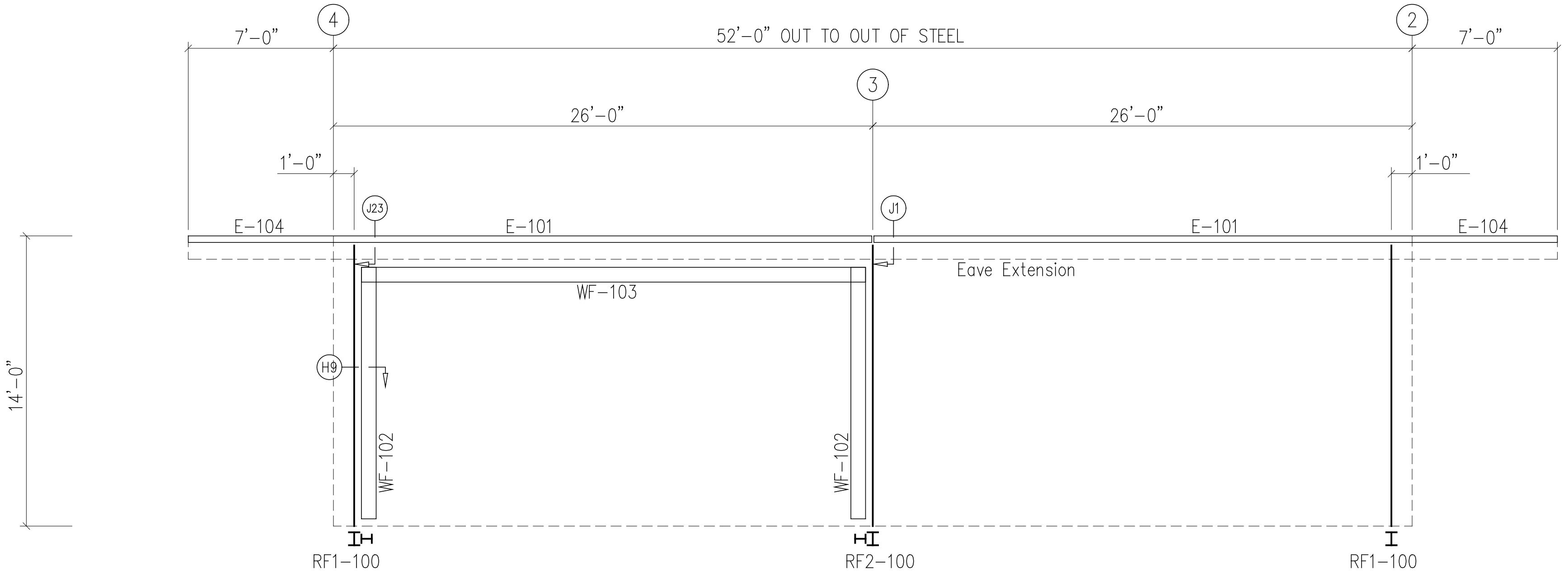
75886	167836-37	N.T.S.	E14 OF 23	A

BOLT TABLE
FRAME LINE D

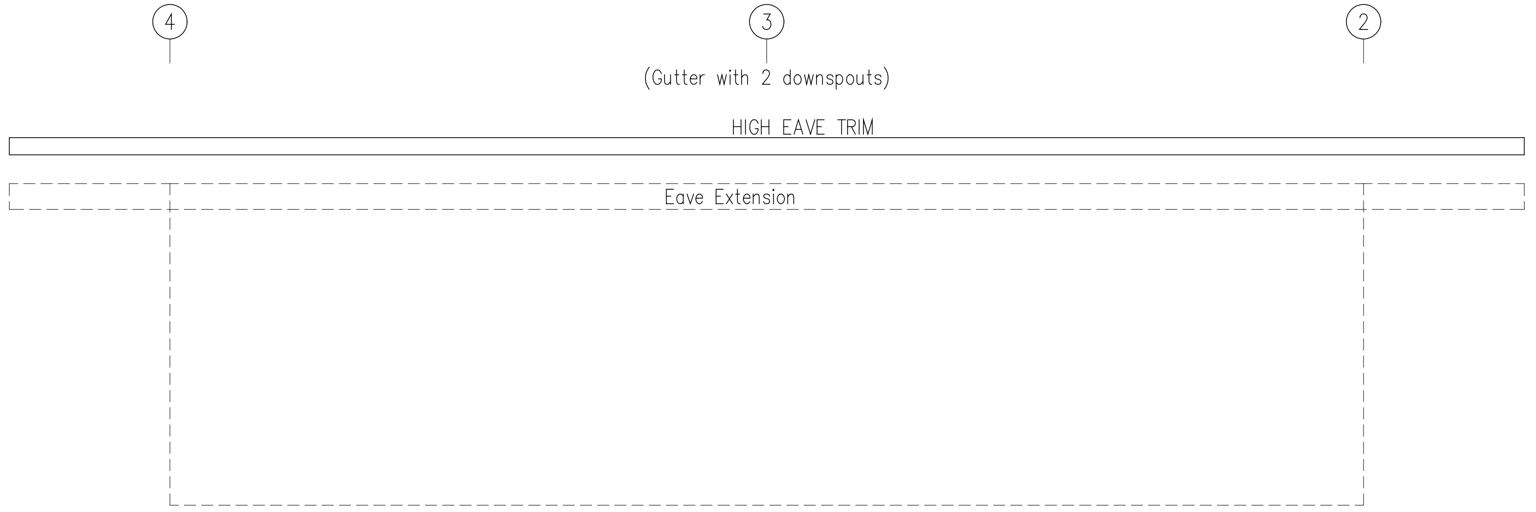
LOCATION	QUAN	TYPE	DIA	LENGTH
WF−102 − WF−103	8	A325	5/8"	2 1/4"
WF−102 − RF1−100	8	A325	5/8"	1 1/2"
WF−102 − RF2−100	8	A325	5/8"	1 1/2"

MEMBER TABLE
FRAME LINE D

MARK	PART
WF−102	W08642
WF−103	W08642
E−101	L8X5X3ES12
E−104	L8X5X3ES12



SIDEWALL FRAMING: FRAME LINE D



SIDEWALL SHEETING & TRIM: FRAME LINE D

ALL ROOF TRIMS AS PER MCELROY

FOR
PERMIT

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT RIGID GLOBAL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY RIGID IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN RIGID ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

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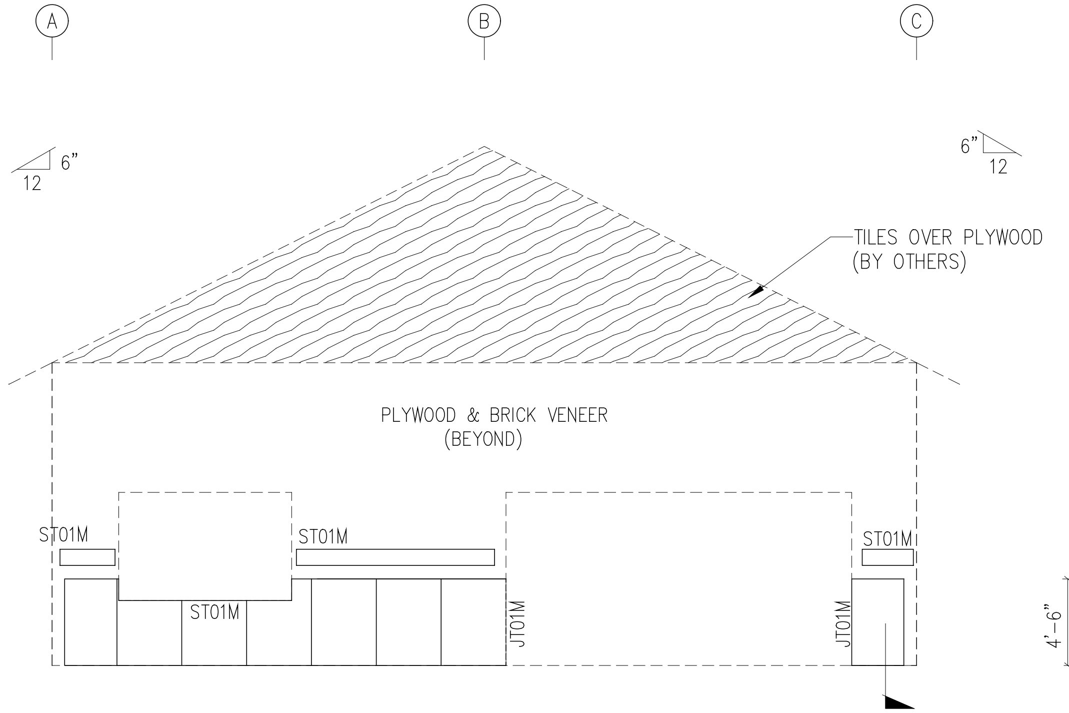
B	RE−APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443−9065
Fax : (281) 443−9064

DESCRIPTION	SIDEWALL FRAMING		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

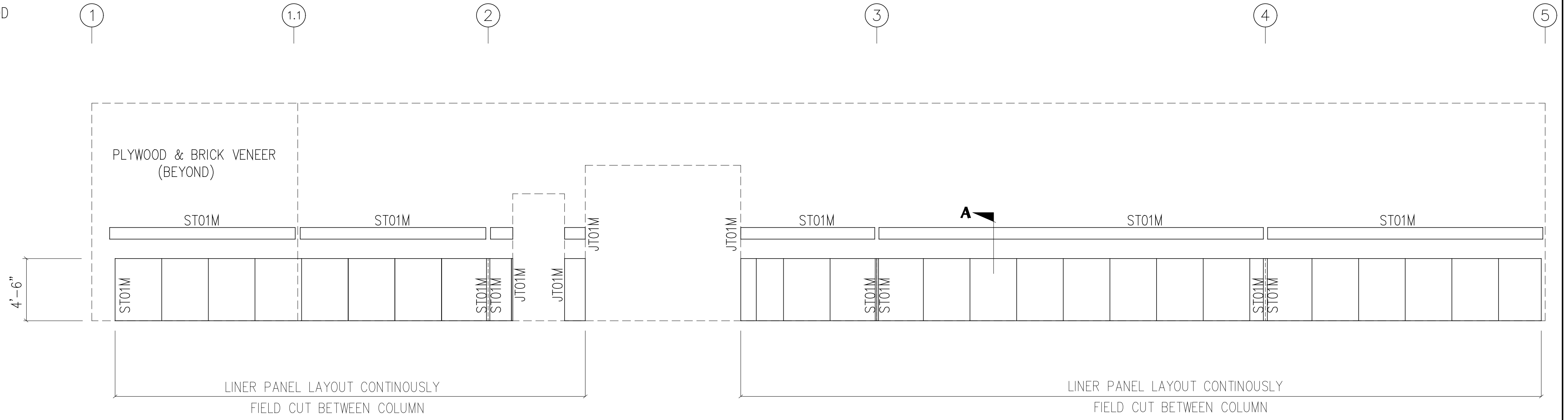
SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836−37	N.T.S.	E15 OF 23	B



ENDWALL LINER SHEETING & TRIM: FRAME LINE 1

PANELS: 26 Ga. PBM – S2000 Standard

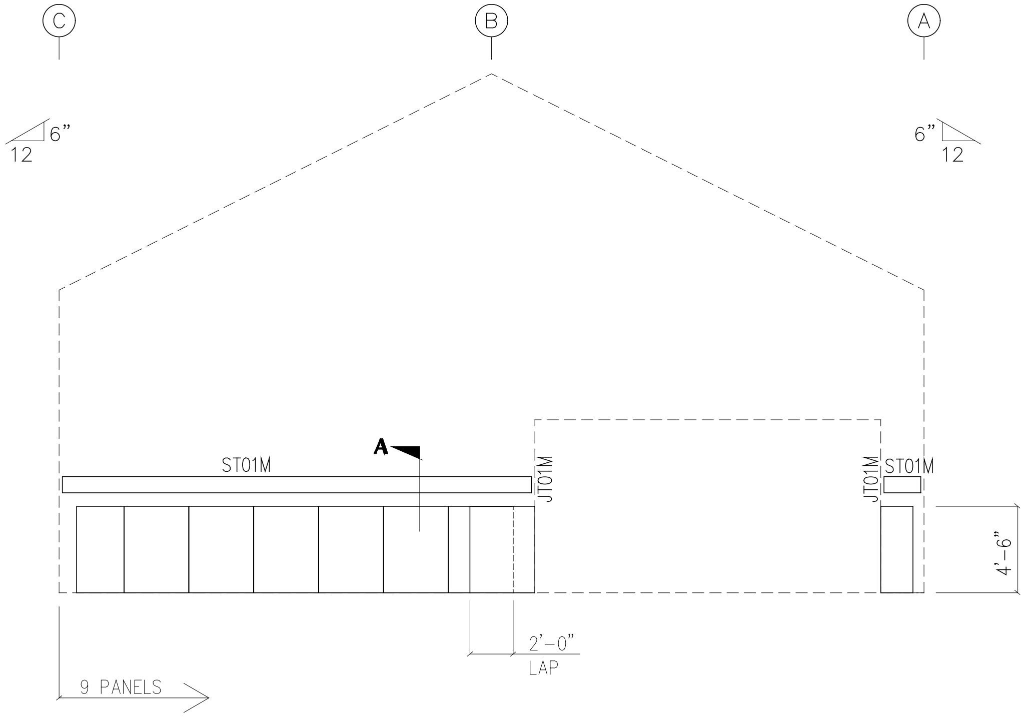
(As Viewed From Inside Of Building)



SIDEWALL LINER SHEETING & TRIM: FRAME LINE C

PANELS: 26 Ga. PBM – S2000 Standard

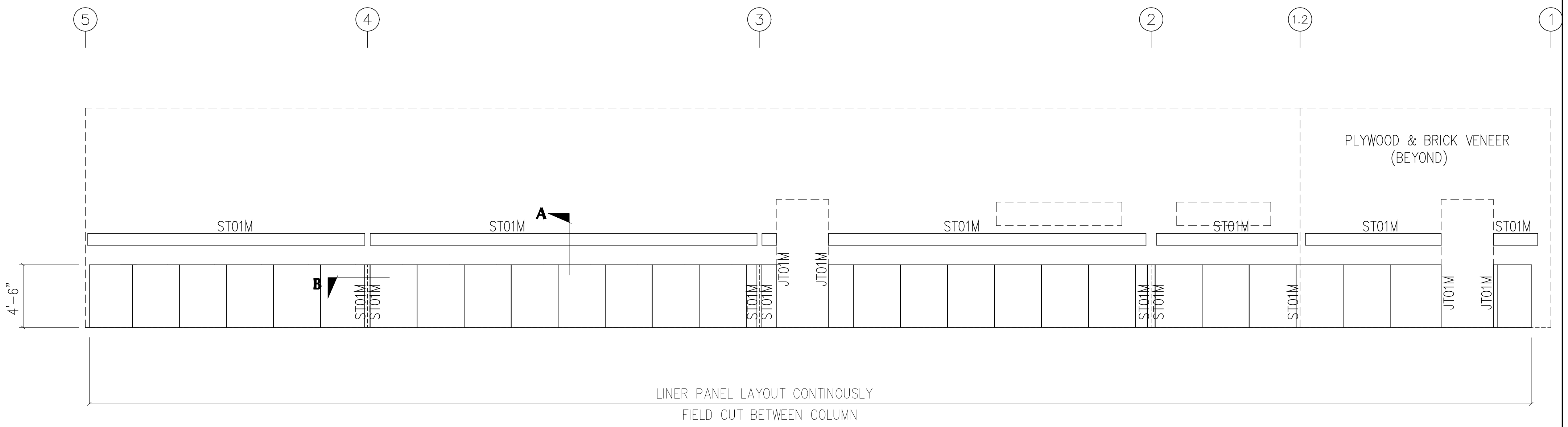
(As Viewed From Inside Of Building)



ENDWALL LINER SHEETING & TRIM: FRAME LINE 5

PANELS: 26 Ga. PBM – S2000 Standard

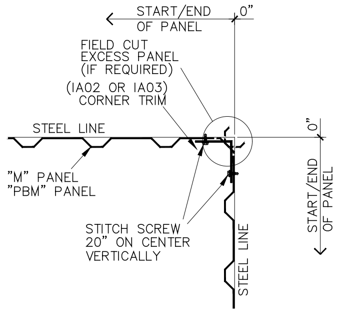
(As Viewed From Inside Of Building)



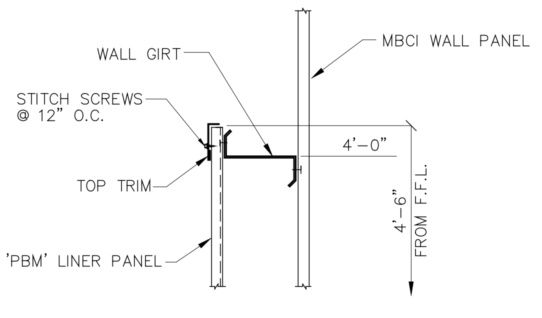
SIDEWALL LINER SHEETING & TRIM: FRAME LINE A

PANELS: 26 Ga. PBM – S2000 Standard

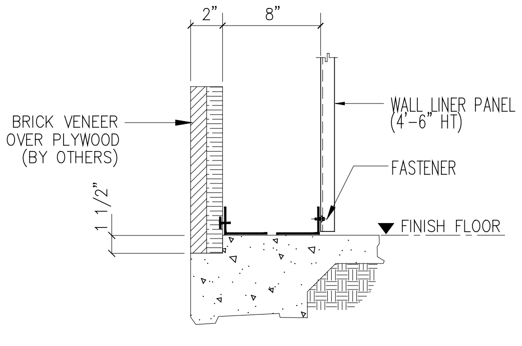
(As Viewed From Inside Of Building)


START/END OF PANEL
0"
FIELD CUT EXCESS PANEL (IF REQUIRED)
(IA02 OR IA03) CORNER TRIM
STEEL LINE
0"
"M" PANEL
"PBM" PANEL
STITCH SCREW 20" ON CENTER VERTICALLY
START/END OF PANEL
STEEL LINE

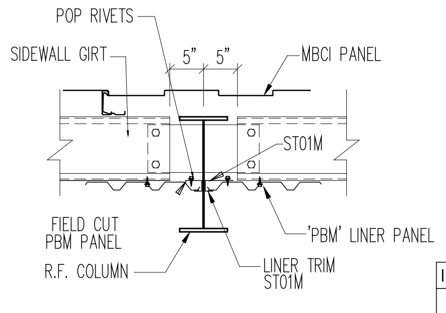
INSIDE CORNER DETAIL ON MODULE



SECTION 'A'


2"
8"
BRICK VENEER OVER PLYWOOD (BY OTHERS)
WALL LINER PANEL (4'-6" HT)
FASTENER
1 1/2"
FINISH FLOOR

SECTION 'C'



SECTION-B

TYP. @ INTERIOR COL.
(FLUSH GIRT)

FOR
PERMIT

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	WALL LINER PANEL, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1/B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

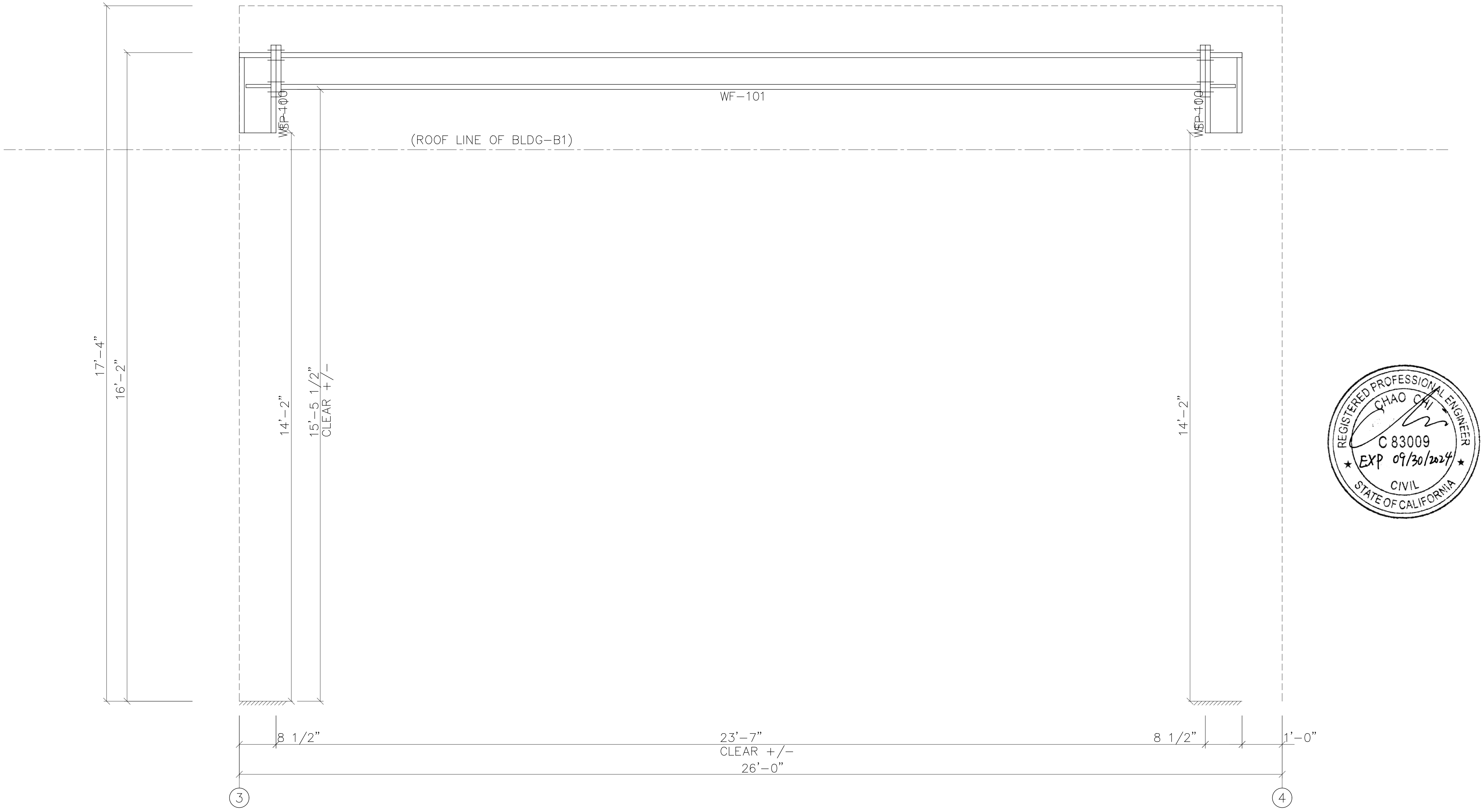
SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836-37	N.T.S.	E16 OF 23	B

SPLICE BOLTS

Splice Mark	Quan Top/Bot		-----Bolt----- Type	Dia	Length
SP- 1	4	4	A325	0.625	2.00

MEMBER SIZE TABLE

MARK	MEMBER	LENGTH
WF-101	W08642	23'-6 1/2"
WF-100	W08642	2'-0"



WIND BENT ELEVATION: FRAME LINE B.1

REGISTERED PROFESSIONAL ENGINEER
CHAO CHAI
C 83009
EXP 09/30/2024
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STATE OF CALIFORNIA

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	WIND BENT		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE:	DWG. NO.	ISSUE:
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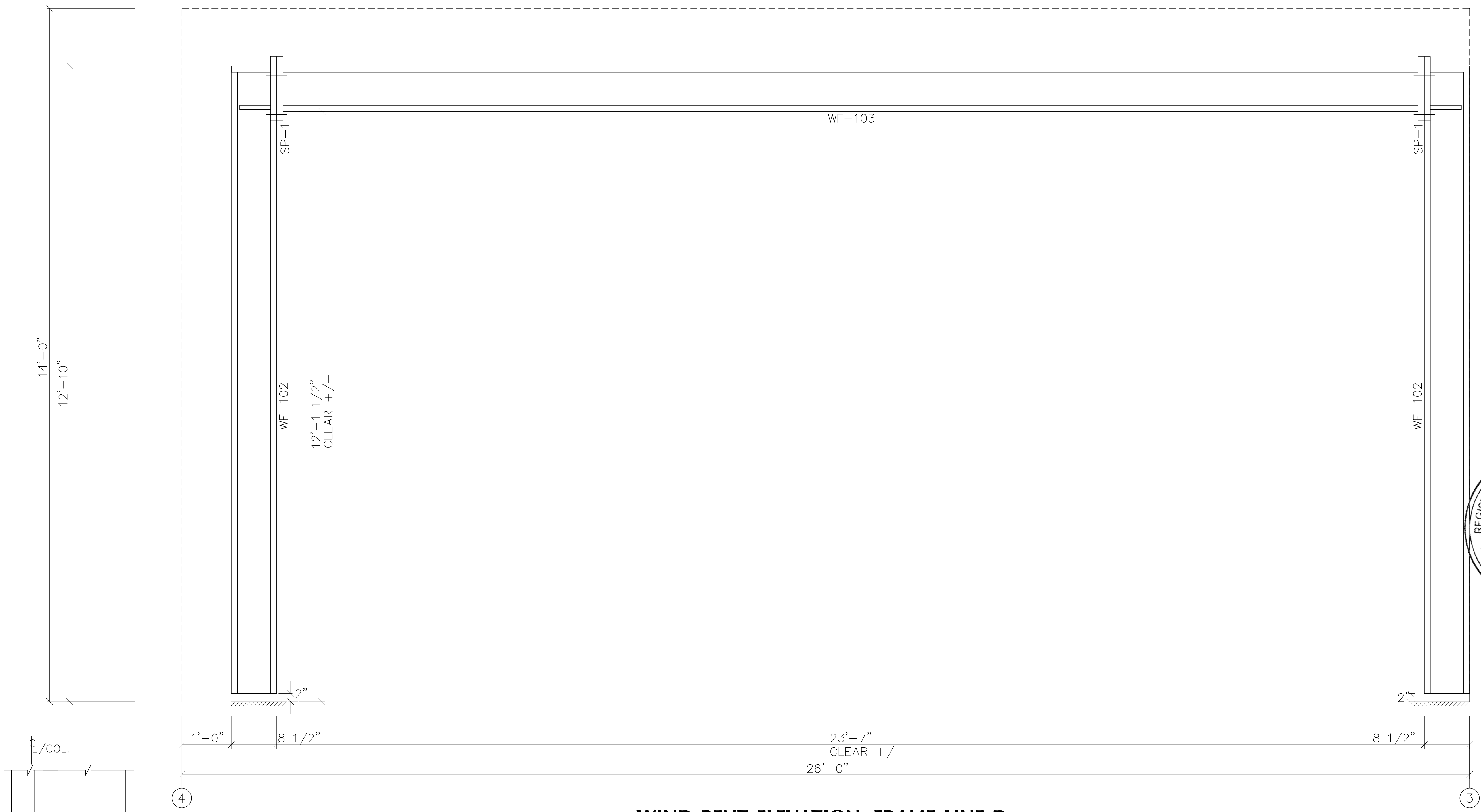
SPLICE BOLTS

Splice Mark	Quan Top	Quan Bot	Bolt Type	Bolt Dia	Bolt Length
SP- 1	4	4	A325	0.625	2.25

MEMBER SIZE TABLE

MARK	MEMBER	LENGTH
WF-103	W08642	23'-6 1/4"
WF-102	W08642	12'-8"



WIND BENT ELEVATION: FRAME LINE D

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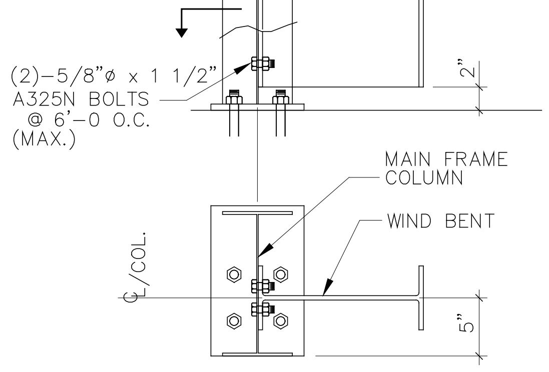

H9 WIND BENT TO MAIN FRAME COLUMN

FOR PERMIT

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Phone : (281) 443-9065
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END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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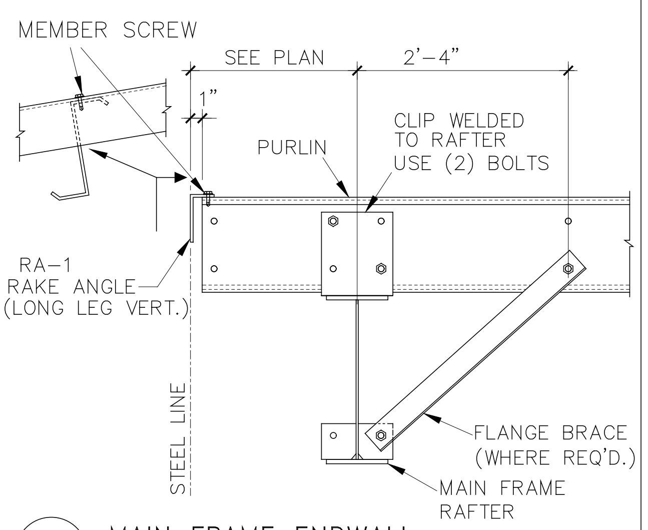
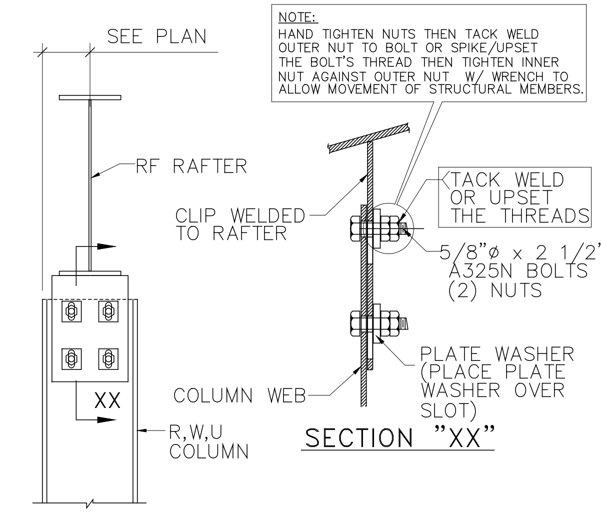

MEMBER SCREW
SEE PLAN
2'-4"
1"
PURLIN
CLIP WELDED TO RAFTER USE (2) BOLTS
RA-1 RAKE ANGLE (LONG LEG VERT.)
STEEL LINE
FLANGE BRACE (WHERE REQ'D.)
MAIN FRAME RAFTER

A10 MAIN FRAME ENDWALL

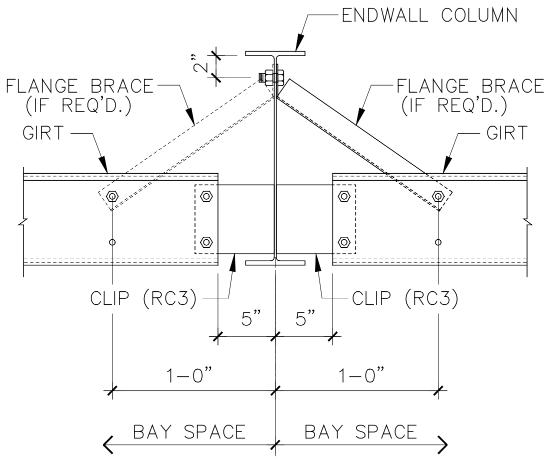
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.


SEE PLAN
RF RAFTER
CLIP WELDED TO RAFTER
TACK WELD OR UPSET THE THREADS
5/8"ø x 2 1/2" A325N BOLTS (2) NUTS
PLATE WASHER (PLACE PLATE WASHER OVER SLOT)
COLUMN WEB
XX
R,W,U COLUMN
SECTION "XX"

NOTE:
HAND TIGHTEN NUTS THEN TACK WELD OUTER NUT TO BOLT OR SPIKE/UPSET THE BOLT'S THREAD THEN TIGHTEN INNER NUT AGAINST OUTER NUT W/ WRENCH TO ALLOW MOVEMENT OF STRUCTURAL MEMBERS.

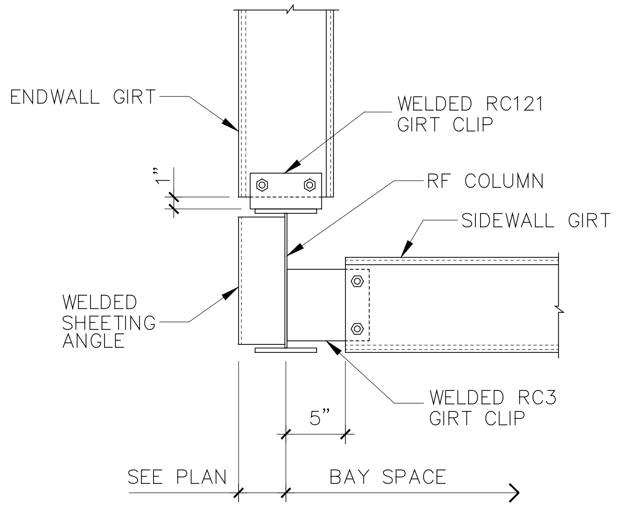
B19 ENDWALL COLUMN TO RF RAFTER

ALL BOLTS ARE 1/2"ø x 1 1/2" A325 U.N.



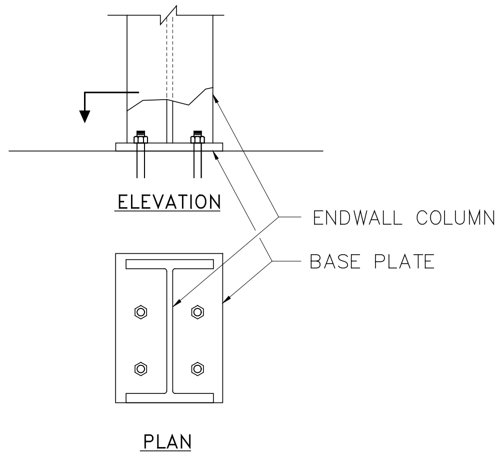
C6 FLUSH GIRT TO ENDWALL COLUMN WITH WELDED CLIP

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



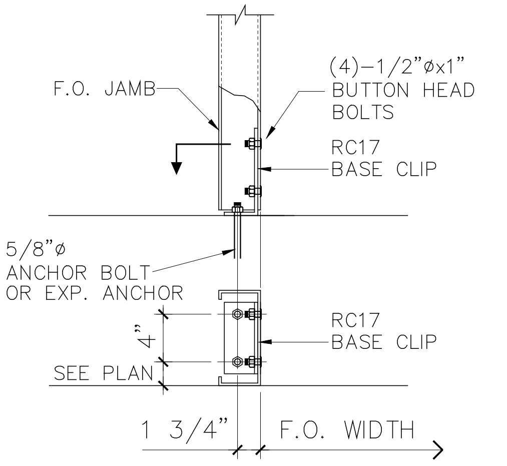
D13 RF CORNER COLUMN TO WALL GIRT

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



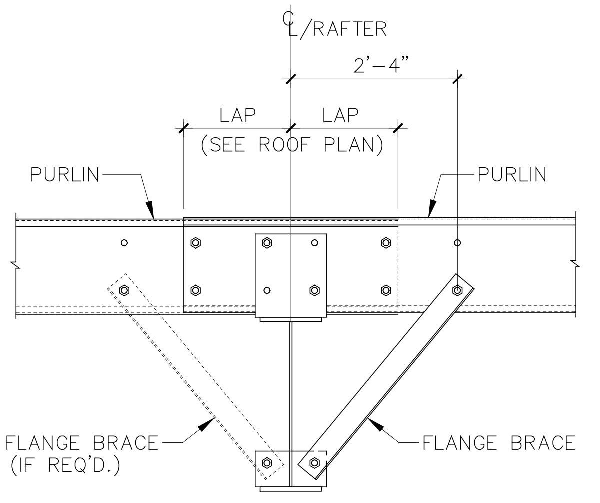
E3 BASE PLATE FOR ENDWALL COLUMN

SEE ANCHOR BOLT PLAN & DETAILS



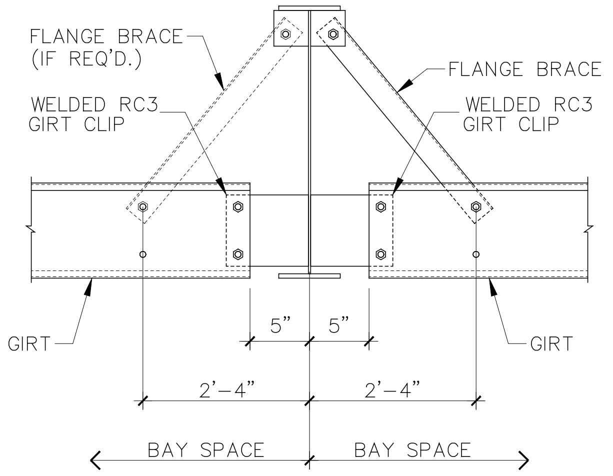
E6 "FO" JAMB BASE DETAIL

WITH BOLTED BASE CLIP



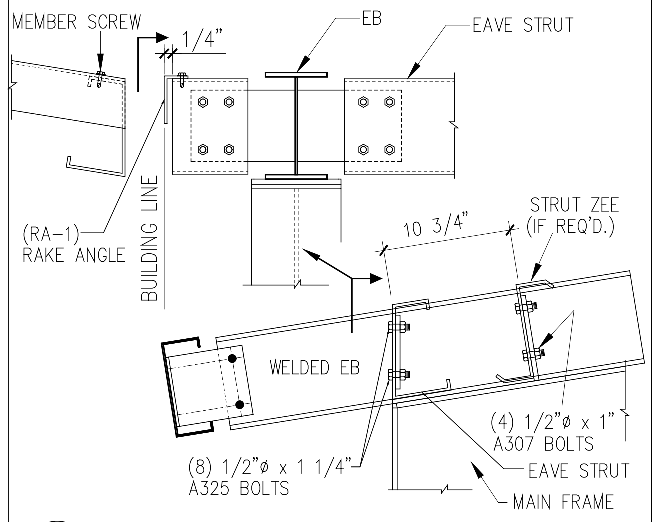
G2 BY-PASS PURLIN TO RAFTER DETAIL

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



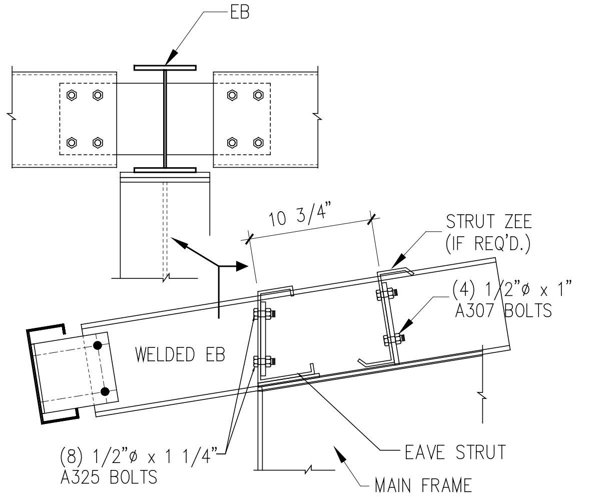
H6 FLUSH WALL GIRT TO RF COLUMN

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



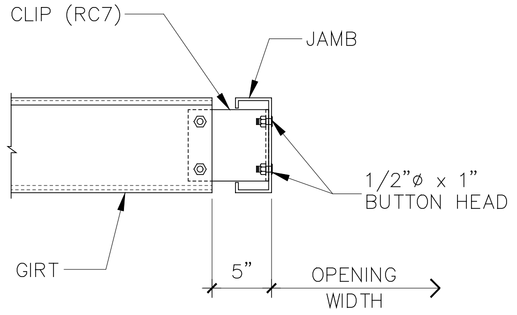
MJ23 LOW EAVE DETAIL (FLUSH CONDITION)

AT END FRAME



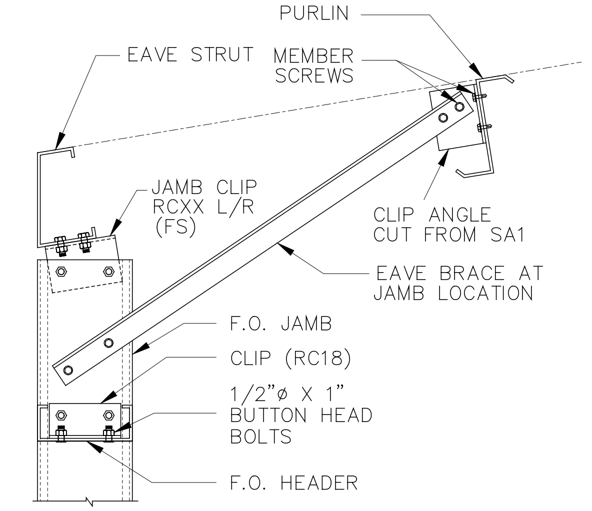
M27 LOW EAVE DETAIL (FLUSH CONDITION) @ FL- 2,3 & 4

AT INTERIOR FRAME



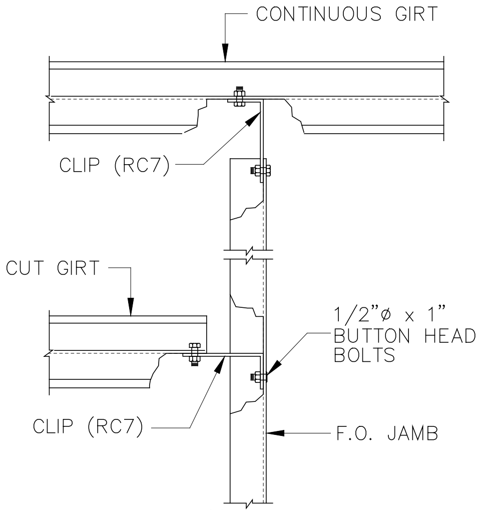
K2 GIRT TO FRAMED OPENING JAMB

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



L1 F.O. JAMB TO EAVE STRUT CONNECTION FOR OVERHEAD DOOR, ROLL-UP DOOR

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



L6 F.O. JAMB TO GIRT

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

REGISTERED PROFESSIONAL ENGINEER
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C 83009
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GLOBAL BUILDINGS
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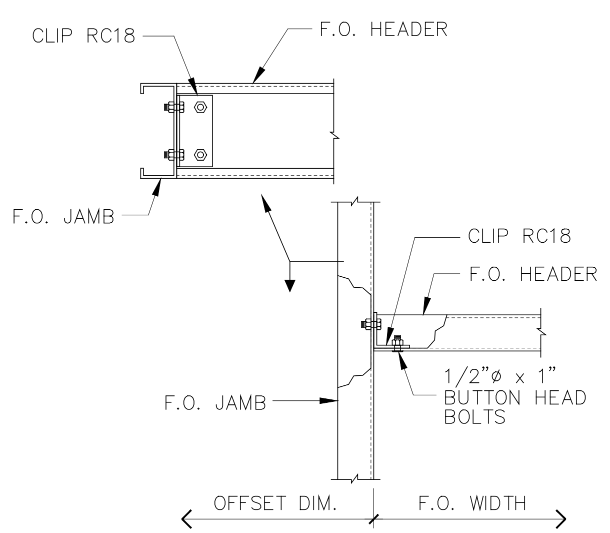
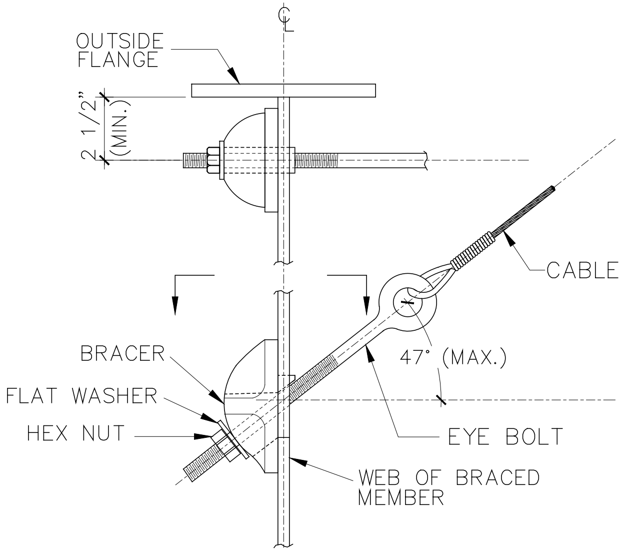
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	DETAIL DRAWINGS			
CUSTOMER	SEMPER FI STEEL BUILT LLC			
END USER	HAVEN VINEYARDS			
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2	
STREET	30389 MIRA LOMA DR.			
CITY ST ZIP	TEMECULA, CA 92592			
SALES NO. 75886	JOB NO. 167836-37	SCALE: N.T.S.	DWG. NO. E19 OF	ISSUE: B

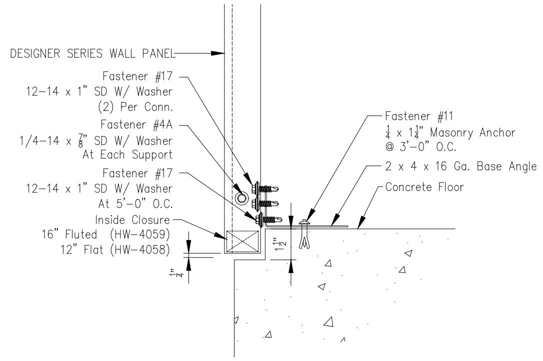


M1 F.O. HEADER TO F.O. JAMB

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



Q2 CABLE BRACE CONNECTION DETAIL

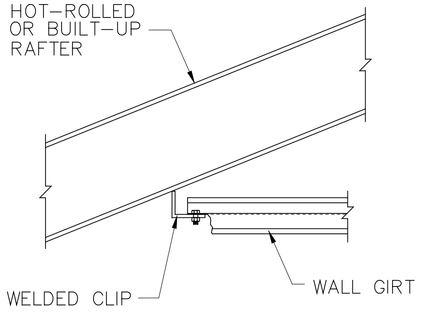


NOTE:

METAL WALL SHEETS SHALL BE SET 1/4" ABOVE CONC. NOTCH. METAL SHEETS SHOULD NOT TOUCH THE CONC. NOTCH, WHICH WOULD VOID THE WARRANTY.

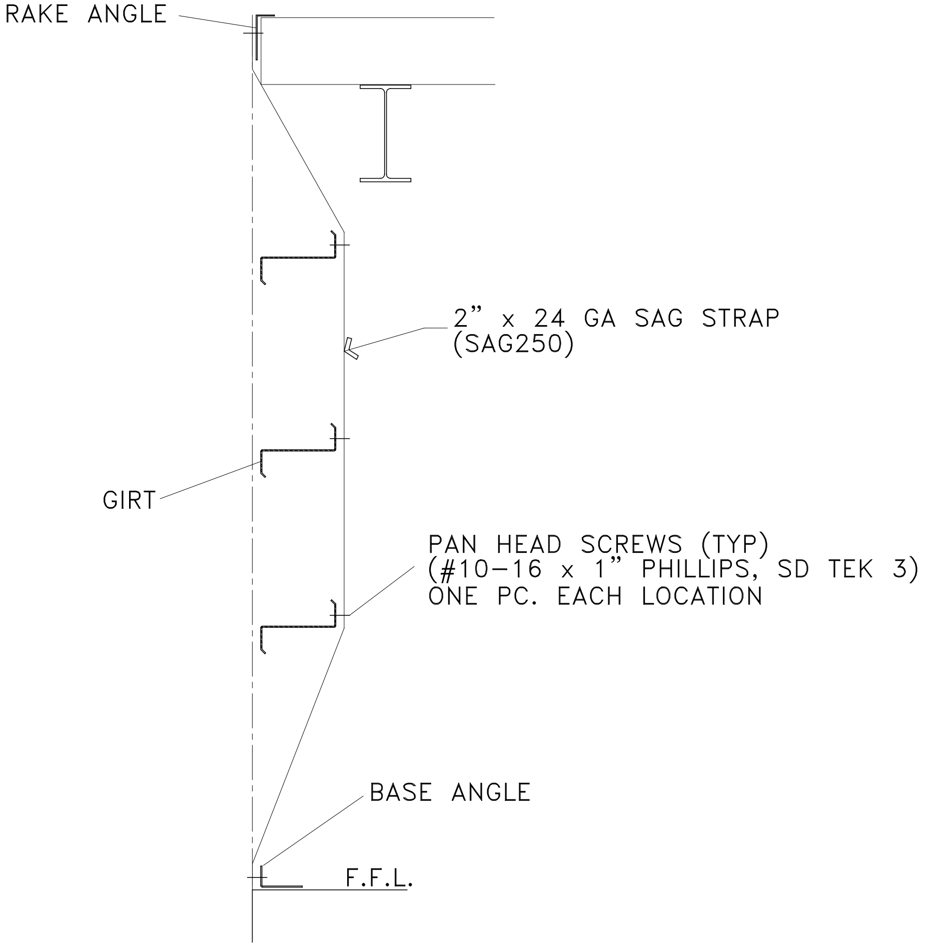
T3A DETAIL BASE w/ NOTCH

ID T3_NOTCH; NO TRIM-ANGLE-NOTCH



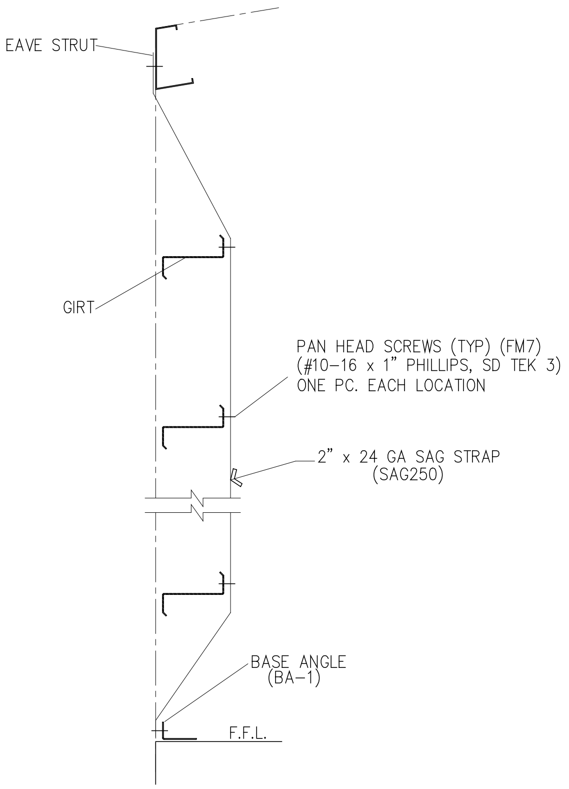
W11 ENDWALL GIRT TO RAFTER CONECTION

ALL BOLTS ARE 1/2"ø x 1" A307


RAKE ANGLE
2" x 24 GA SAG STRAP (SAG250)
GIRT
PAN HEAD SCREWS (TYP) (#10–16 x 1" PHILLIPS, SD TEK 3) ONE PC. EACH LOCATION
BASE ANGLE
F.F.L.

TYP. SAG STRAP DETAIL

AT ENDWALL


EAVE STRUT
GIRT
PAN HEAD SCREWS (TYP) (FM7) (#10–16 x 1" PHILLIPS, SD TEK 3) ONE PC. EACH LOCATION
2" x 24 GA SAG STRAP (SAG250)
BASE ANGLE (BA–1)
F.F.L.

TYP. SAG STRAP DETAIL

AT SIDEWALL

CHAO CHI
C 83009
EXP 09/30/2024
CIVIL

FOR PERMIT

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END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

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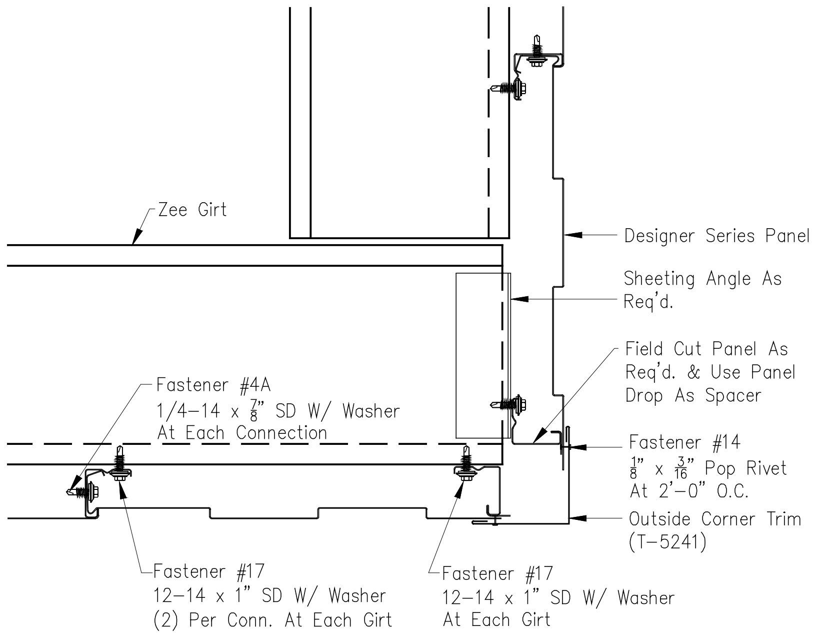
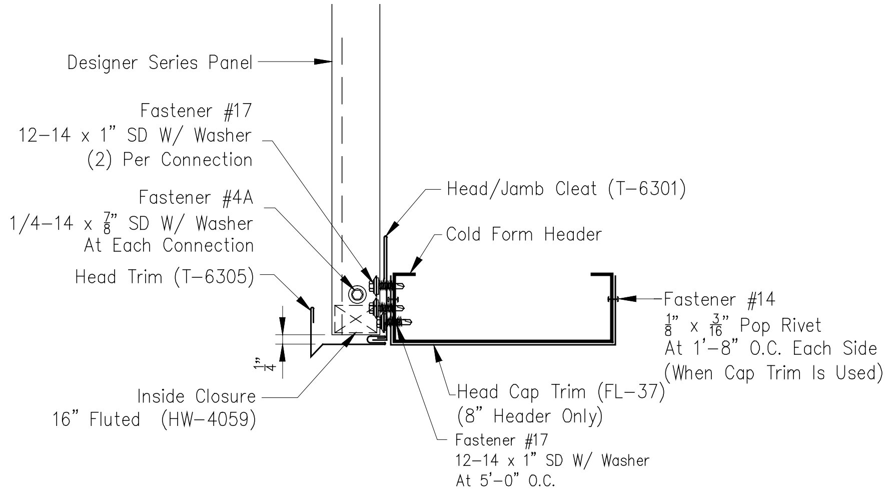


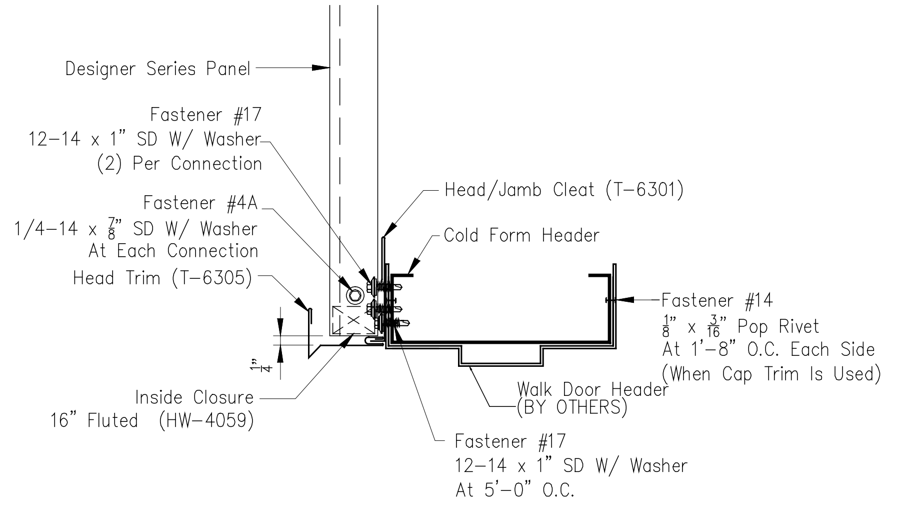
AA

OUTSIDE CORNER DETAIL FINISHING IN HIGH



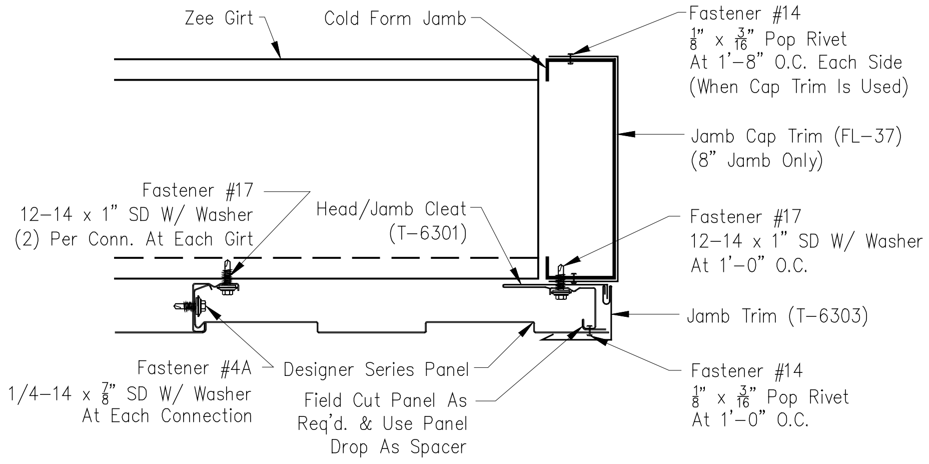
BB

F.O. HEADER



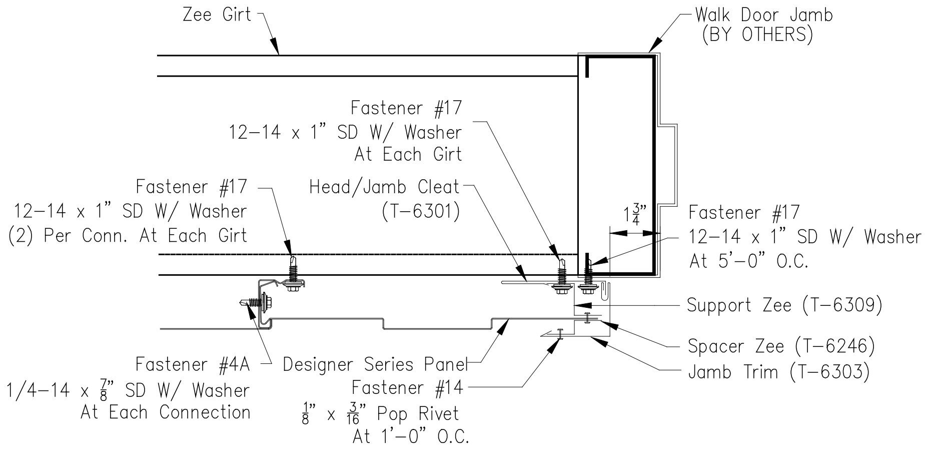
F.O. HEADER FOR WALKDOOR F.O. HEADER

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

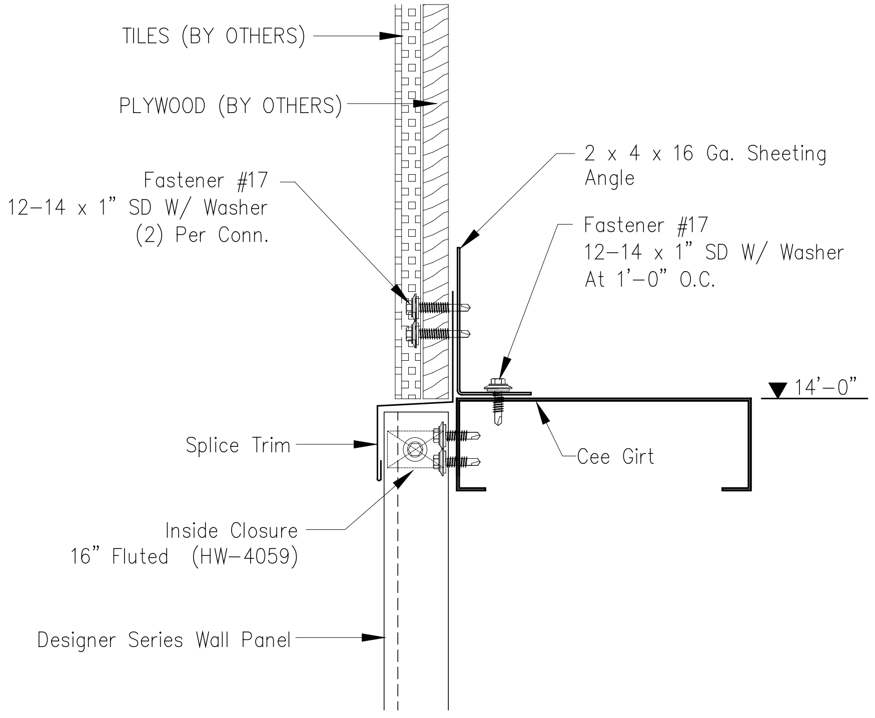


CC

F.O. JAMB

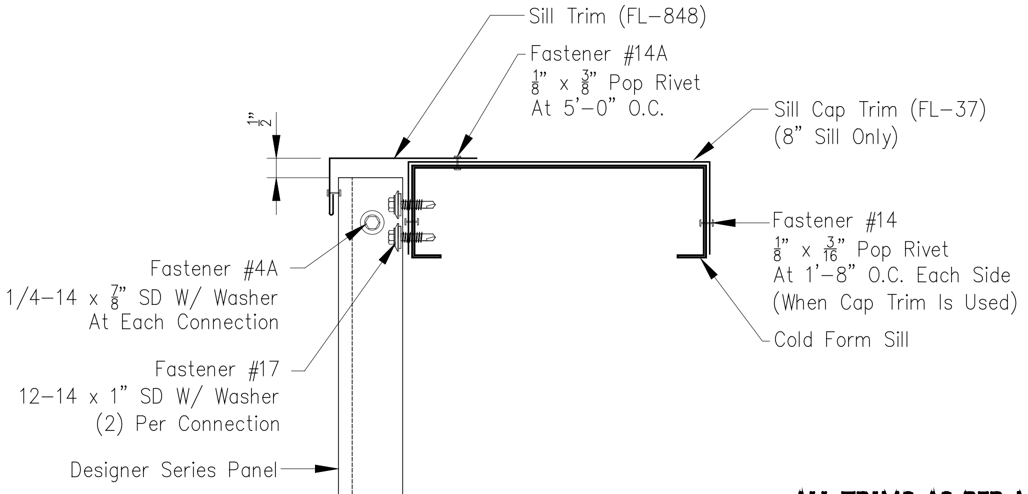


WALKDOOR JAMB



DD

SPLICE DETAIL



SILL DETAIL

ALL TRIMS AS PER MBCI

FOR PERMIT

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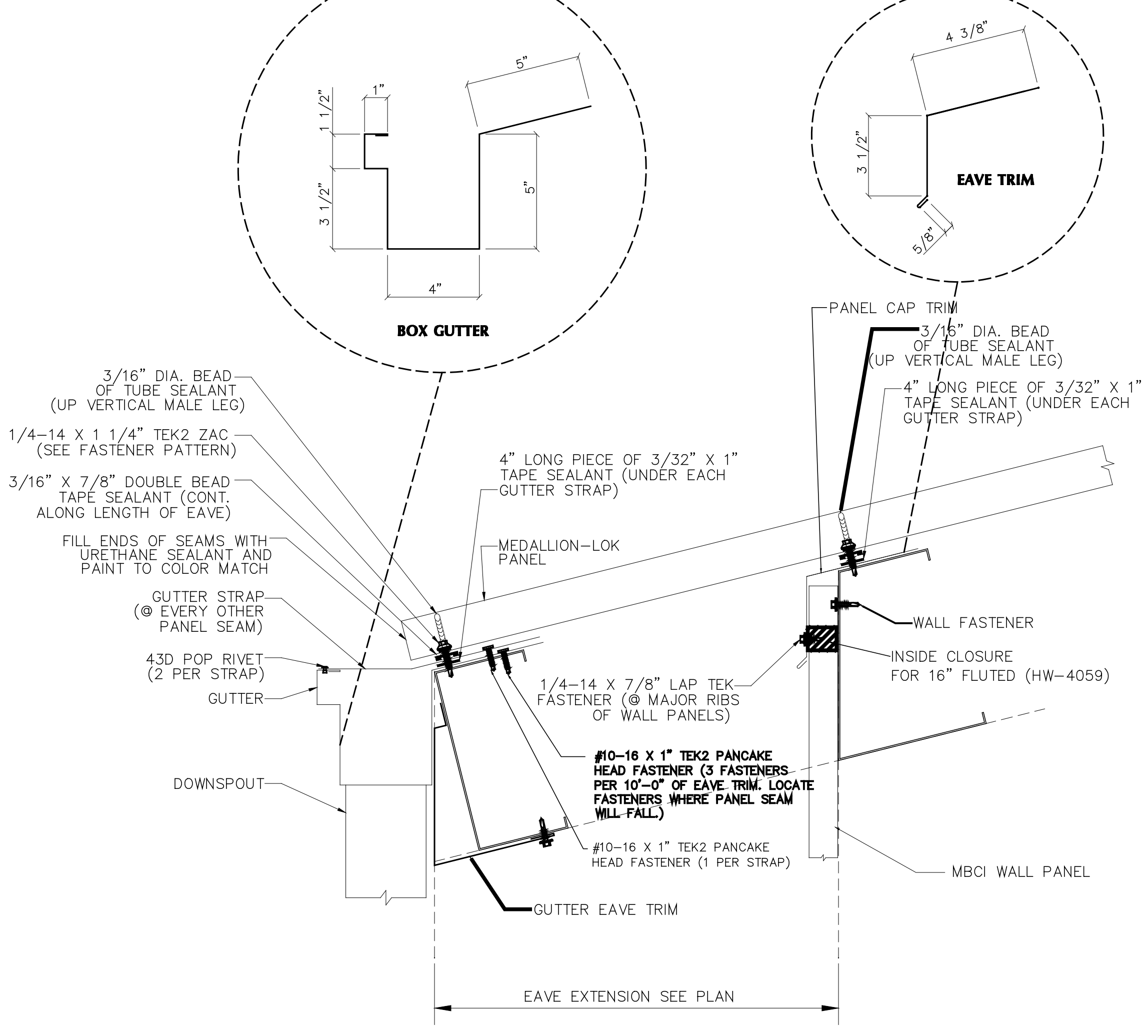
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

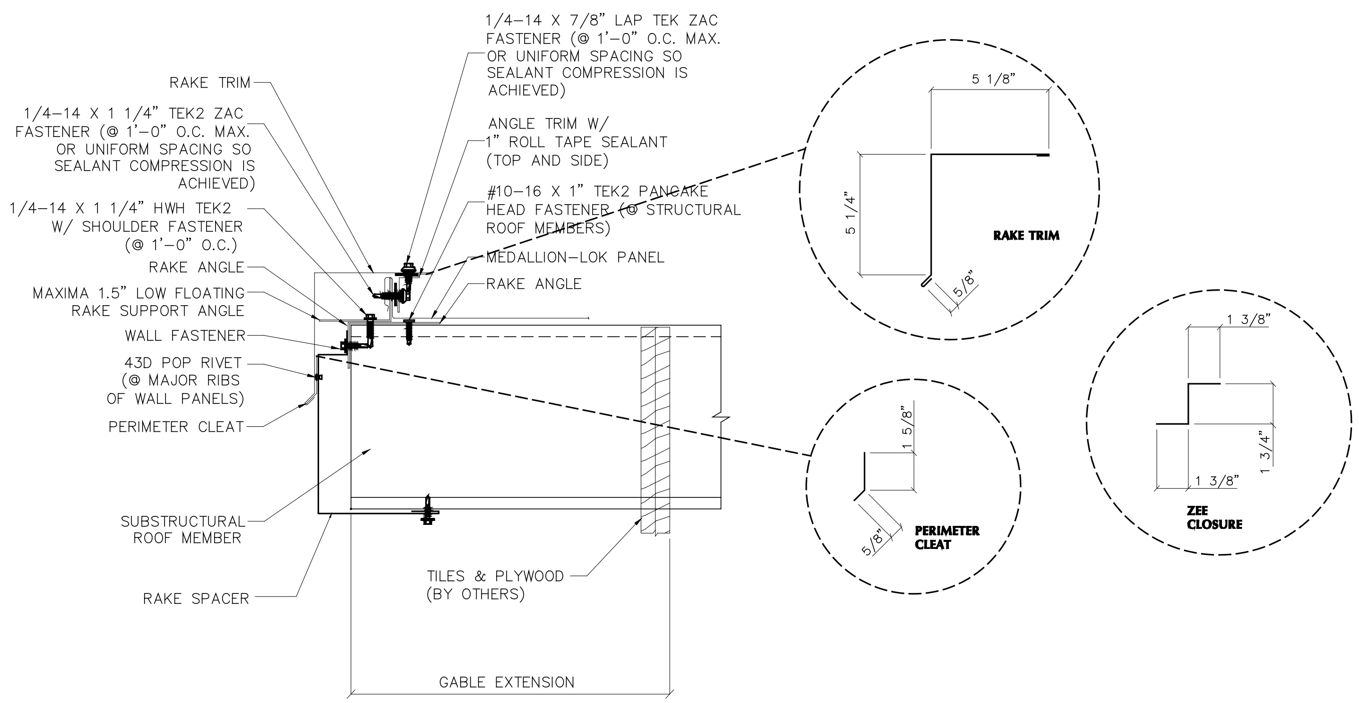
SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
75886	167836-37	N.T.S.	E21 OF 23	B


5"
1"
1 1/2"
3 1/2"
5"
4"
BOX GUTTER
4 3/8"
3 1/2"
EAVE TRIM
5/8"
3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
1/4–14 X 1 1/4" TEK2 ZAC (SEE FASTENER PATTERN)
3/16" X 7/8" DOUBLE BEAD TAPE SEALANT (CONT. ALONG LENGTH OF EAVE)
FILL ENDS OF SEAMS WITH URETHANE SEALANT AND PAINT TO COLOR MATCH
GUTTER STRAP (@ EVERY OTHER PANEL SEAM)
43D POP RIVET (2 PER STRAP)
GUTTER
DOWNSPOUT
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
MEDALLION–LOK PANEL
1/4–14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS OF WALL PANELS)
#10–16 X 1" TEK2 PANCAKE HEAD FASTENER (3 FASTENERS PER 10'–0" OF EAVE TRIM. LOCATE FASTENERS WHERE PANEL SEAM WILL FALL.)
#10–16 X 1" TEK2 PANCAKE HEAD FASTENER (1 PER STRAP)
GUTTER EAVE TRIM
PANEL CAP TRIM
3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
WALL FASTENER
INSIDE CLOSURE FOR 16" FLUTED (HW–4059)
MBCI WALL PANEL
EAVE EXTENSION SEE PLAN

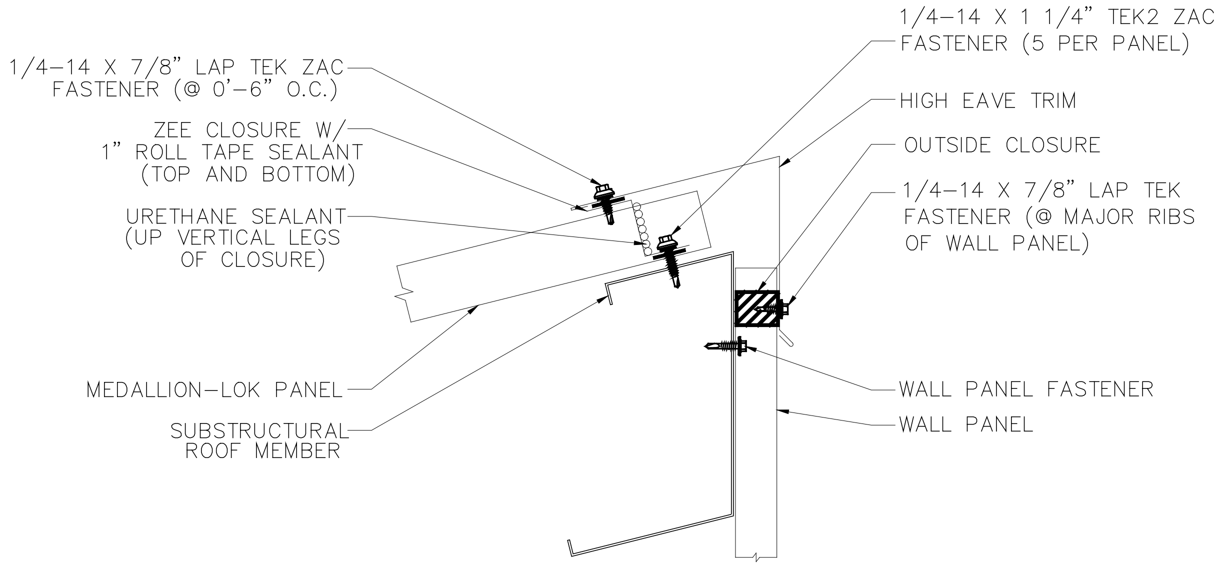
USE MCELROY STANDARDS

AE2 EAVE W/ GUTTER DETAIL

USE MCELROY STANDARDS


RAKE TRIM
1/4–14 X 1 1/4" TEK2 ZAC FASTENER (@ 1'–0" O.C. MAX. OR UNIFORM SPACING SO SEALANT COMPRESSION IS ACHIEVED)
1/4–14 X 1 1/4" HWH TEK2 W/ SHOULDER FASTENER (@ 1'–0" O.C.)
RAKE ANGLE
MAXIMA 1.5" LOW FLOATING RAKE SUPPORT ANGLE
WALL FASTENER
43D POP RIVET (@ MAJOR RIBS OF WALL PANELS)
PERIMETER CLEAT
SUBSTRUCTURAL ROOF MEMBER
RAKE SPACER
1/4–14 X 7/8" LAP TEK ZAC FASTENER (@ 1'–0" O.C. MAX. OR UNIFORM SPACING SO SEALANT COMPRESSION IS ACHIEVED)
ANGLE TRIM W/ 1" ROLL TAPE SEALANT (TOP AND SIDE)
#10–16 X 1" TEK2 PANCAKE HEAD FASTENER (@ STRUCTURAL ROOF MEMBERS)
MEDALLION–LOK PANEL
RAKE ANGLE
TILES & PLYWOOD (BY OTHERS)
GABLE EXTENSION
5 1/8"
5 1/4"
RAKE TRIM
5/8"
1 5/8"
5/8"
PERIMETER CLEAT
1 3/8"
1 3/4"
1 3/8"
ZEE CLOSURE

CE2 FLOATING RAKE DETAIL


1/4–14 X 7/8" LAP TEK ZAC FASTENER (@ 0'–6" O.C.)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP AND BOTTOM)
URETHANE SEALANT (UP VERTICAL LEGS OF CLOSURE)
MEDALLION–LOK PANEL
SUBSTRUCTURAL ROOF MEMBER
1/4–14 X 1 1/4" TEK2 ZAC FASTENER (5 PER PANEL)
HIGH EAVE TRIM
OUTSIDE CLOSURE
1/4–14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS OF WALL PANEL)
WALL PANEL FASTENER
WALL PANEL

DE2 HIGH EAVE DETAIL

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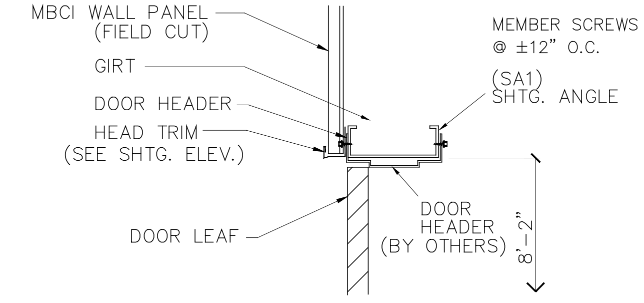
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
Fax : (281) 443–9064

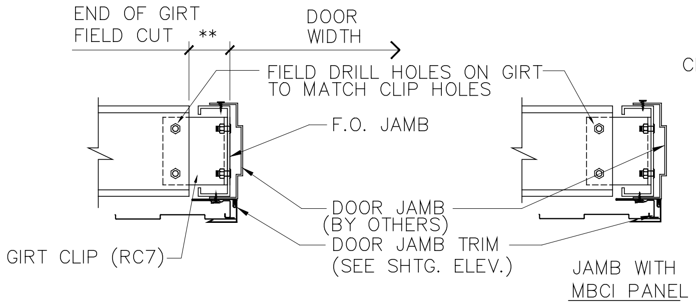
DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167836–37	N.T.S.	E22 OF 23	B

NOTES:
1. DETAIL SHOWN IS FOR FIELD LOCATE WALKDOOR F.O. JAMBS & HEADERS ONLY
2. INSTALLATION OF WALKDOOR IS FOR REFERENCE ONLY, PROPER PROCEDURE PROVIDED BY THE DOOR SUPPLIER MUST GOVERN.


MBCI WALL PANEL (FIELD CUT)
GIRT
DOOR HEADER
HEAD TRIM (SEE SHTG. ELEV.)
DOOR LEAF
MEMBER SCREWS @ ±12" O.C.
(SA1) SHTG. ANGLE
DOOR HEADER (BY OTHERS)
8'-2"

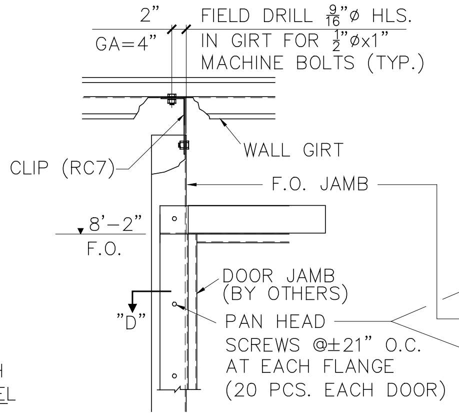
SECTION "A"



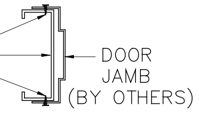
JAMB WITH MBCI PANEL

SECTION "B"

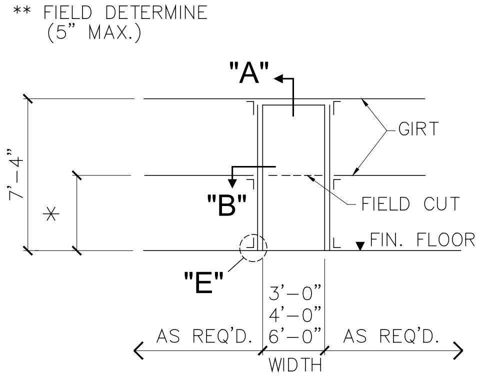
** FIELD DETERMINE (5" MAX.)

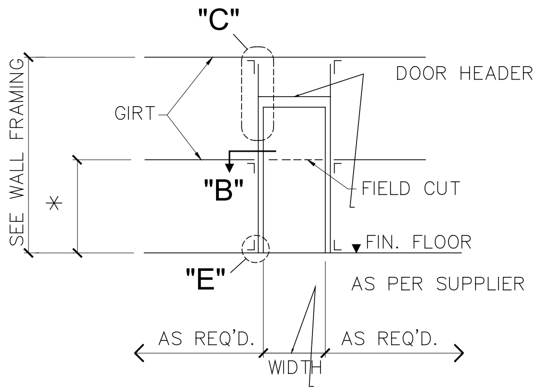

2"
GA=4"
FIELD DRILL 9/16"ø HLS. IN GIRT FOR 1/2"ø×1" MACHINE BOLTS (TYP.)
CLIP (RC7)
WALL GIRT
F.O. JAMB
8'-2" F.O.
"D"
DOOR JAMB (BY OTHERS)
PAN HEAD SCREWS @±21" O.C. AT EACH FLANGE (20 PCS. EACH DOOR)

DETAIL "C"

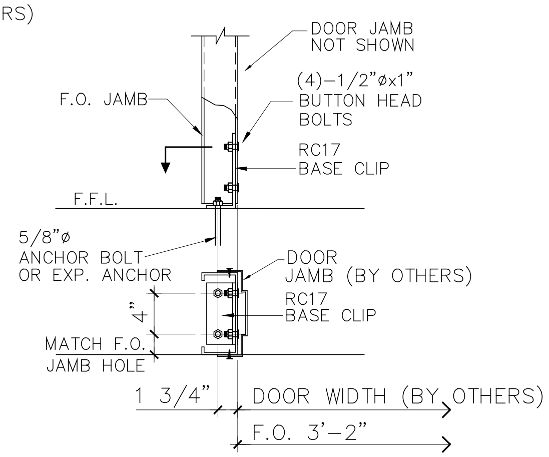


SECTION "D"

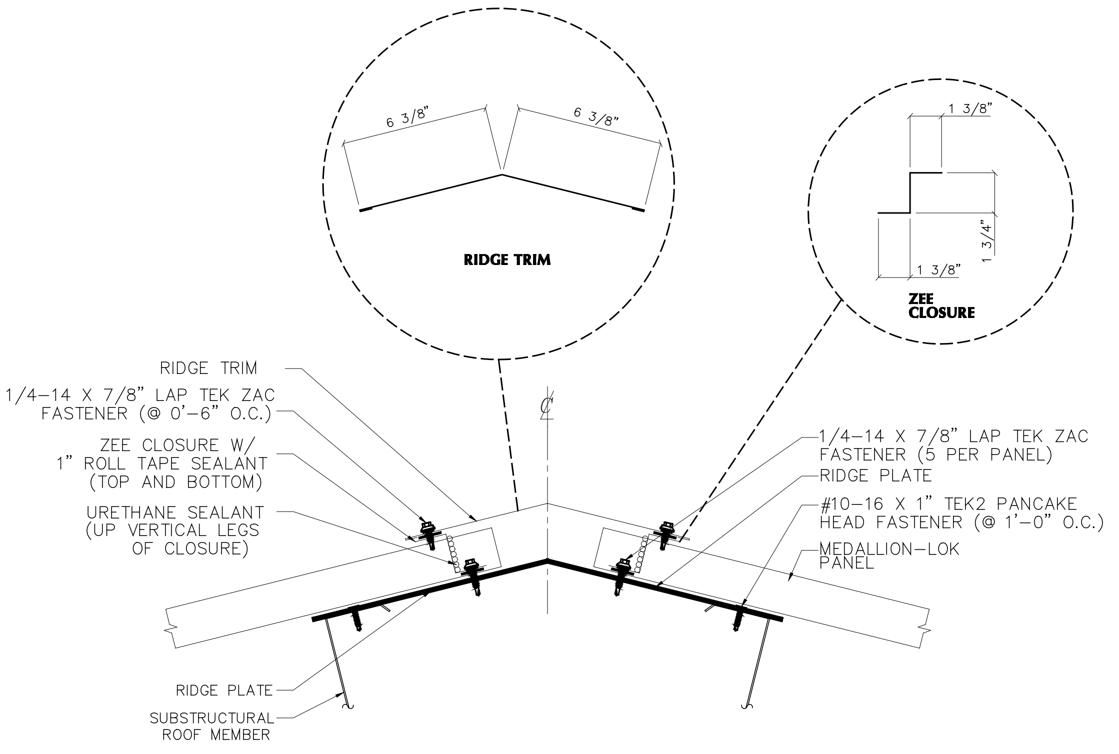




TYPICAL WALK DOOR DETAIL WITH FRAMED OPENING

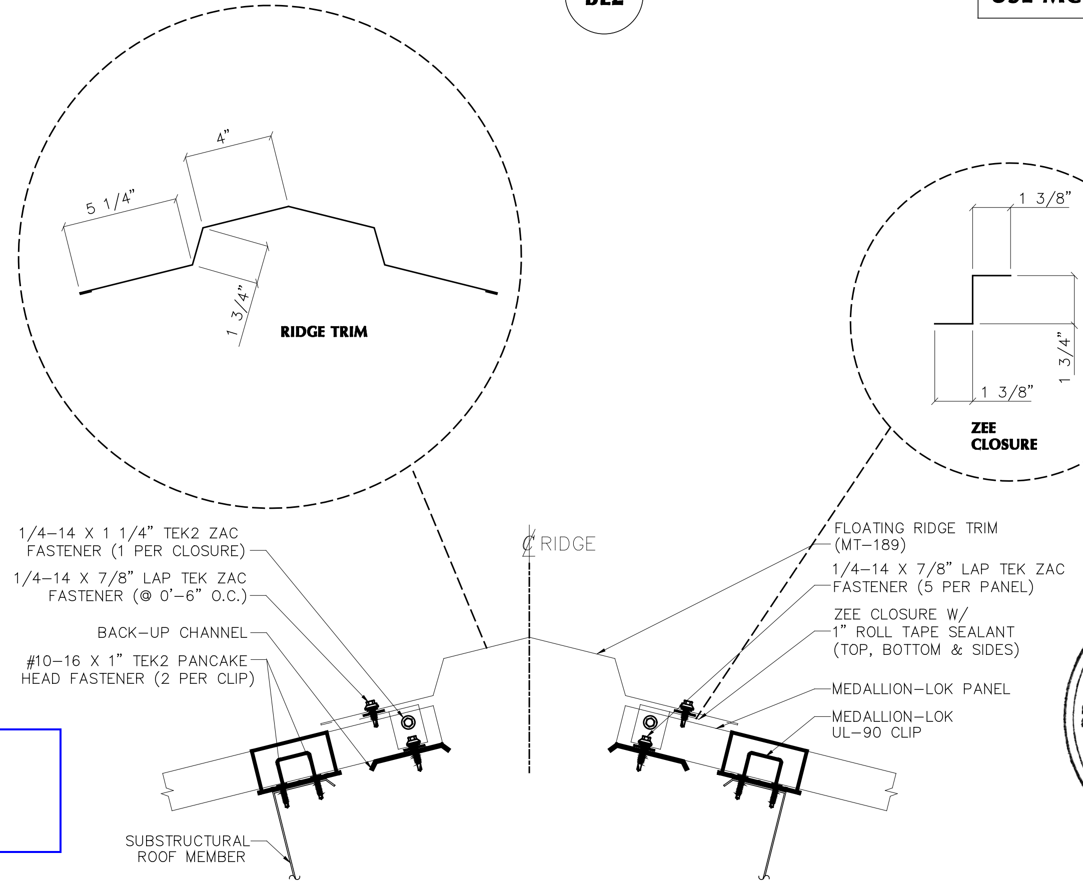


DETAIL "E"


6 3/8"
6 3/8"
RIDGE TRIM
1 3/8"
1 3/4"
1 3/8"
ZEE CLOSURE
℄
RIDGE TRIM
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 0'-6" O.C.)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP AND BOTTOM)
URETHANE SEALANT (UP VERTICAL LEGS OF CLOSURE)
RIDGE PLATE
SUBSTRUCTURAL ROOF MEMBER
1/4-14 X 7/8" LAP TEK ZAC FASTENER (5 PER PANEL)
RIDGE PLATE
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ 1'-0" O.C.)
MEDALLION-LOK PANEL

BE2 FIXED RIDGE DETAIL

USE MCELROY STANDARDS


4"
5 1/4"
1 3/4"
RIDGE TRIM
1 3/8"
1 3/4"
1 3/8"
ZEE CLOSURE
℄ RIDGE
1/4-14 X 1 1/4" TEK2 ZAC FASTENER (1 PER CLOSURE)
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 0'-6" O.C.)
BACK-UP CHANNEL
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (2 PER CLIP)
SUBSTRUCTURAL ROOF MEMBER
FLOATING RIDGE TRIM (MT-189)
1/4-14 X 7/8" LAP TEK ZAC FASTENER (5 PER PANEL)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP, BOTTOM & SIDES)
MEDALLION-LOK PANEL
MEDALLION-LOK UL-90 CLIP

BE2 FLOATING RIDGE DETAIL

FOR PERMIT

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EXP 09/30/2024
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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

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END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	B1 & B2
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
75886	167836-37	N.T.S.	E23 OF 23	B

GENERAL NOTES

1.1 Fabrication shall be in accordance with R.G.B. standard practices in compliance with the applicable sections, relating to design requirements and allowable stresses of the latest edition of the "AWS Structural Welding Code D1.1 and D1.3". R.G.B. manufacturing procedures are certified by:

Reference	Certification numbers
Houston	R.G.B. #456

1.2 MATERIALS

MATERIALS	ASTM DESIGNATION	MIN. YIELD STRENGTH
Hot Rolled Steel Shapes (W, S, C & L)	A572/A529	Fy = 50 KSI
Hot Rolled Steel Shapes (W)	A992	Fy = 50 KSI
Round Structural Tubing (HSS)	A500	Fy = 42 KSI
Square/Rect. Structural Tubing (HSS)	A500	Fy = 46 KSI
Structural Steel Web Plate	A572/A1011	Fy = 55 KSI
Structural Steel Flange Plates/Bars	A529/A572	Fy = 55 KSI
Cold Formed Light Gage	A653/A1011	Fy = 55 KSI
Roof and Wall Sheets	A792/A653	Fy = 50, 80 KSI
Cable Brace	A475	Extra High Strength
Rod Brace	A36	Fy = 36 KSI
		MIN. TENSILE STRENGTH
Machine Bolts & Nuts	A307	Fu = 60 KSI
High Strength Bolts (1"ø and less)	F3125/Gr. A325–TYPE 1	Fu = 120 KSI
High Strength Bolts (>1"ø to 1 1/2"ø)	F3125/Gr. A325–TYPE 1	Fu = 105 KSI
Anchor Bolts (if supplied)	A36/A307/F1554 Gr.36	Fu = 58–80 KSI

1.3 PRIMER
Shop primer paint is a rust inhibitive primer which meets the end performance of Federal Specification SSPC No. 15 and is R.G.B. Red or Gray Oxide color. This paint is not intended for long term exposure to the elements. R.G.B. is not responsible for any deterioration of the shop primer paint as a result of improper handling and/or jobsite storage. R.G.B. shall not be responsible for any field applied paint and/or coatings. (Section 6.5 AISC Code of Standard Practice, 16th Edition). Nominal thickness of primer will be 1 mil unless otherwise specified in contract documents.

1.4 GALVANIZED OR SPECIAL COATINGS:
See Contract Documents

1.5 ALL BOLTS ARE 1/2"ø x 0'–1" A307 (snug–tightened) EXCEPT :
a) Eave strut connection – 1/2"ø x 0'–1 1/4" A307 without washer (unless noted otherwise)
b) Endwall rafter splice – 5/8"ø x 0'–1 3/4" F3125/Gr. A325–N with washer
c) Endwall column to rafter connection – 1/2"ø x 0'–1 1/4" F3125/Gr. A325–N
d) Main frame moment splice connections – F3125/Gr. A325–N with washer, SEE CROSS SECTION for dimensions.

NOTE: One (01) washer is supplied on main frame moment splice and to A325 bolts unless noted otherwise on drawing

1.6 F3125/Gr. 325 BOLT TIGHTENING REQUIREMENTS
All high strength bolts are F3125/Gr. A325–N unless specifically noted otherwise. Structural bolts shall be tightened by the turn–of–the–nut or calibrated wrench methods in accordance with the 16th Edition AISC/RCSC "Specification For Structural Joints using ASTM F3125/Gr. A325 or A490 Bolts". Washers are supplied separately from High Strength Bolts, however, assembly with washers are required before erection. Installaltion inspection is recommended and be based on Section 9.1 and 9.2 of AISC/RCSC.

Snug–tight is permitted EXCEPT for the following conditions:
a) Building located in high seismic areas; Seismic Design Categories D, E, F
b) Building supporting cranes
c) Building supporting machinery that creates vibration, impact or stress reversal
d) Connections using ASTM A490
e) Connections using slip–critical condition
f) or as prohibited in the contracts/specifications

1.7 CLOSURE STRIPS ARE FURNISHED FOR APPLICATION:
INSIDE– Under roof panels at eave
OUTSIDE – Between endwall panels and rake trim
– Under continuous ridge vent skirts

1.8 ERECTION NOTE:
All bracing, strapping, & bridging shown and provided by R.G.B. for this building is required and shall be installed by the erector as a permanent part of the structure. If additional bracing is required for stability during erection, it shall be the erector's responsibility to determine the amount of such bracing and to procure and install as needed.

1.9 ERECTION AND UNLOADING NOT BY R.G.B.

1.10 SHORTAGES
Any claims or shortages by buyer must be made to R.G.B. within five (5) working days after delivery, or such claims will be considered to have been waived by the customer and disallowed.

1.11 CORRECTIONS OF ERRORS AND REPAIRS (MBMA 6.10)
Claims for correction of alleged misfits will be disallowed unless R.G.B. shall have received prior notice thereof and allowed reasonable inspection of such misfits. The correction of minor misfits by the use of drift pins to draw the components into line, moderate amounts of reaming, chipping and cutting, and the replacement of minor shortages of material are a normal part of erection and are not subject to claim. No part of the Building may be returned for alleged misfits without the prior approval of R.G.B.

BUYER/END USE CUSTOMER RESPONSIBILITIES

2.1 It is the responsibility of the BUYER/END USE CUSTOMER to obtain appropriate approvals and secure necessary permits from City, County, State, or Federal Agencies as required, and to advise/release R.G.B. to fabricate upon receiving such.

2.2 Rigid Global Buildings (hereafter referred to as R.G.B.) standard specifications apply unless stipulated otherwise in the Contract Documents. R.G.B. design, fabrication, quality criteria, standards, practice, methods and tolerances shall govern the work with any other interpretations to the contrary notwithstanding. It is understood by both Parties that the BUYER/END USE CUSTOMER is responsible for clarification of inclusions or exclusions from the architectural plans and/or specifications.

2.3 In case of discrepancies between R.G.B. structural steel plans and plans for other trades, R.G.B. plans shall govern. (Section. 3 AISC Code of Standard Practices, 16th Edition)

2.4 Approval of R.G.B. drawings and calculations indicates that R.G.B. has correctly interpreted and applied the Contract Documents. This approval constitutes the contractor/owners acceptance of the R.G.B. design concepts, assumptions, and loading. (Section 4 AISC Code 15th Edition and MBMA 3.3.3)

2.5 Once the BUYER/END USE CUSTOMER has signed R.G.B. Approval Package and the project is released for fabrication, changes shall be billed to the BUYER/END USE CUSTOMER including material, engineering and other costs. An additional fee may be charged if the project must be moved from the fabrication and shipping schedule.

RIGID
GLOBAL BUILDINGS

DRAWING PACKAGE

SALES NO.	75886	JOB NO.	167838	BUILDING	C
CUSTOMER	SEMPER FI STEEL BUILT LLC				
END USER	HAVEN VINEYARDS				
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE				
STREET	41625 CAMINO DEL VINO				
CITY ST ZIP	TEMECULA, CA 92592				
COUNTY	RIVERSIDE				

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING AS INDICATED:

DESIGN LOADS:

Design Code : CBC 22 / IBC 21
Dead Load (psf) : Metal building structure only by RGB
Collateral Load (psf) : 4 (*)
(*) The structure will support the dead load of water–filled fire sprinkler system.

Wind Load
Basic Design Wind Speed : V (3 sec. gust) = 96 mph
Allowable (Nominal) Stress Design Wind Speed : Vasd (3 sec. gust) = 74.36 mph
Risk Category : II – Normal
Wind Exposure : C
Internal Pressure Coefficient, GCPi : 0.180 /–0.180
Design Wind Pressure For Wall : Based on Allowable Stress Design Wind Speed
Components Wind Pressure (psf) : 9.83
Components Wind Suction (psf) : –10.80
Claddings Wind Pressure (psf) : 11.56
Claddings Wind Suction (psf) : –12.54
Enclosure Classification : Closed

Live Load
Primary Framing (psf) : 20.00
Trib. Area Reduction : Yes
Secondary Framing (psf) : 20.00

Snow Load
Ground Snow Load, Pg (psf) : 0.000
Roof Snow Load, Pf (psf) : 0
Sloped Roof Snow Load, Ps (psf) : 0
Snow Exposure Factor, Ce : 1.000
Snow Importance Factor, Is : 1.000
Thermal Factor, Ct : 1.000
Sloped Factor, Cs : 1.000

Seismic Load
Seismic Importance Factor, Ie : 1.00
Seismic Occupancy Category : II – Normal
Site Class : D
Mapped Spectral Response Acceleration : Ss = 1.622 :S1 = 0.604
Spectral Response Coefficients : Sds = 1.277 :Sd1 = 0.680
Seismic Design Category : D
Basic Force Resisting Systems Used
Rigid Frames–OSMF : Ordinary Steel Moment Frames
Bracings–OSCBF : Ordinary Steel Concentrically Braced Frames
Total Design Base Shear, V (kips) : Longitudinal= 2.88 Transverse= 2.95
Response Modification Factors, R : Rigid Frames = 3.25
: SW X–Bracing = 3.25
Seismic Response Coefficient, Cs : Rigid Frames = 0.333
: SW X–Bracing = 0.333
Analysis Procedure Used : Equivalent Lateral Force Procedure

Rainfall Intensity (in/hr) : 2.340
DESIGN AND DETAIL REQUIREMENTS : DEFLECTION LIMIT:
Rafter – L/180
Purlins – L/150
Girts – L/120
Lateral Drift – H/60
: GABLE EXTENSION – 1'-0"
: ROOF IS 24GA MCELROY MEDALLION–LOK, 12" WIDE
: EAVE EXTENSION – 1'–6"
:
: WALL IS 24GA MBCI DESIGNER SERIES 16"

BUILDING DESCRIPTION:

Width (ft) : 20
Length (ft) : 30
Eave Ht. at BSW (ft) : 12
Eave Ht. at FSW (ft) : 12
Roof Slope at BSW : 6.0:12
Roof Slope at FSW : 6.0:12
Bay Spacing (ft) : 1 at 30

COVERING AND TRIMS:

Roof Panels & Trims
Panel Type : 24 Ga. MEDALLION–LOK SEAM 12"
Panel Color : KYNAR 500 MATT BLACK
Trim Colors
Eave Trim : S2000 Premium
Eave Gutter : ––
Gable Trim : S2000 Premium

Wall Panel & Trims
Panel Type : 24 Ga. DESIGNER SERIES 16"
Panel Color : SIGNATURE 200 CHARCOAL GRAY
Trim Colors
Corner Trims : S2000 Premium
Opening Trims : S2000 Premium
Downspouts : S2000 Premium
Base Trim : ––
Mas. Flash : ––

Special Requirements : NONE

FOR PERMIT

Before erecting your building, please see the Rigid Erection & Safety Manual at rigidbuilding.com/document–library

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2.6 The BUYER/END USE CUSTOMER is responsible for overall project coordination. All interface, compatibility, and design considerations concerning any materials not furnished by R.G.B. and R.G.B. steel system are to be considered and coordinated by the BUYER/END USE CUSTOMER. Specific design criteria concerning this interface between materials must be furnished before release for fabrication or R.G.B. assumptions will govern (Section 4 and Commentary, AISC Code of Standard Practice, 16th Edition)

2.7 It is the responsibility of the BUYER/END USE CUSTOMER to ensure that R.G.B. plans comply with the applicable requirements of any governing building authorities. The supplying of sealed engineering data and drawings for the metal building system does not imply or constitute an agreement that R.G.B. or its design engineers are acting as the engineer of record or design professional for a construction project. These drawings are sealed only to certify the design of the structural components furnished by R.G.B.

2.8 The BUYER/END USE CUSTOMER is responsible for setting of anchor bolts and erection of steel in accordance with R.G.B. "For Construction" drawings only. Temporary supports such as guys, braces, falsework, cribbing or other elements required for the erection operation shall be determined furnished and installed by the erector. No items should be purchased from a preliminary set of drawings, including anchor bolts. Use only final "FOR CONSTRUCTION DRAWINGS" for this use. (Section 7 AISC Code of Standard Practice, 16th Edition.)

2.9 Rigid Global Buildings is responsible for the design of the anchor bolt to permit the transfer of forces between the base plate and the anchor bolt in shear, bearing and tension, but is not responsible for the transfer of anchor bolt forces to the concrete, anchor bolt embedment or the adequacy of the anchor bolt in relation to the concrete.

Unless otherwise provided in the Order Documents, R.G.B. does not design and is not responsible for the design, material and construction of the foundation or foundation embedments. The END USE CUSTOMER should assure himself that adequate provisions are made in the foundation design for loads imposed by column reactions of the building, other imposed loads, and bearing capacity of the soil and other conditions of the building site.
It is recommended that the anchorage/anchor bolt embedment and foundation of the building be designed by a Registered Professional Engineer experienced in the design of such structures. (Chapter IV Section 3.2.2 Metal Building Systems Manual 2018 Edition)

2.10 Normal erection operations include the corrections of minor misfits by moderate amounts of reaming, chipping, welding or cutting, and the drawing of elements into line through the use of drift pins. Errors which cannot be corrected by the foregoing means or which require major changes in member configuration are to be reported immediately to R.G.B. by the BUYER/END USE CUSTOMER, to enable whoever is responsible either to correct the error or to approve the most efficient and economic method of correction to be used by others. (Section 7 AISC Code of Standard Practice, 16th Edition)

2.11 Neither the fabricator nor the BUYER/END USE CUSTOMER will cut, drill or otherwise alter his work, or the work of other trades, to accommodate other trades, unless such work is clearly specified in the contract documents. Whenever such work is specified, the BUYER/END USE CUSTOMER is responsible for furnishing complete information as to materials, size, location and number of alterations prior to preparation of shop drawings. (Section 7 AISC Code of Standard Practice, 16th Edition)

2.12 WARNING In no case should Galvalume steel panels be used in conjunction with lead or copper. Both lead and copper have harmful corrosive effects on the Galvalume alloy coating when they are in contact with Galvalume steel panels. Even run–off from copper flashing, wiring, or tubing onto Galvalume should be avoided.

2.13 SAFETY COMMITMENT Rigid Global Buildings has a commitment to manufacture quality building components that can be safely erected. However, the safety commitment and job site practices of the erector are beyond the control of R.G.B.
It is strongly recommended that safe working conditions and accident prevention practices be the top priority of any job site. Local, State, and Federal safety and health standards should always be followed to help insure workers safety. Make certain all employees know the safest and most productive way of erecting a building. Emergency procedures should be known to all employees.
Daily meetings highlighting safety procedures are also recommended. The use of hard hats, rubber sole shoes for roof work, proper equipment for handling material, and safety nets where applicable, are recommended.

2.14 Roof drainage systems (gutter, downspouts, etc.) must be free of any obstruction to ensure smooth operation at any given time.

2.15 It is recommended by Factory Mutual (Reference: B2.44) that roofs be cleared of snow when half of the maximum snow depth is reached. The maximum snow depth can be estimated based on the design snow load and the density of snow and/or ice buildup. See Chart below.

ROOF SNOW LOAD (IN PSF)	EQUIVALENT SNOW HEIGHT AT ROOF (IN INCHES)	RECOMMENDED SNOW HEIGHT WHEN SNOW REMOVAL SHOULD START (IN INCHES)
20	16.60	8.30
30	17.90	8.95
40	19.20	9.60
50	20.50	10.25
60	21.80	10.90
70	23.10	11.55
80	24.40	12.20

NOTE:
For Snow/Ice Removal Procedure, Refer to Metal Building System Manual 2012 Edition, Section A9.4, Page A–59

REGISTERED PROFESSIONAL ENGINEER
CHAO CHI
C 83009
09/28/2026
CIVIL
STATE OF CALIFORNIA

CUSTOMER: SEMPER FI STEEL BUILT LLC				
SALES NO.: 75886	JOB NO.: 167838	BUILDING.: C	DWG. NO.: C001	ISSUE: B

UNLOADING, HANDLING AND STORING OF MATERIALS

STRUCTURAL

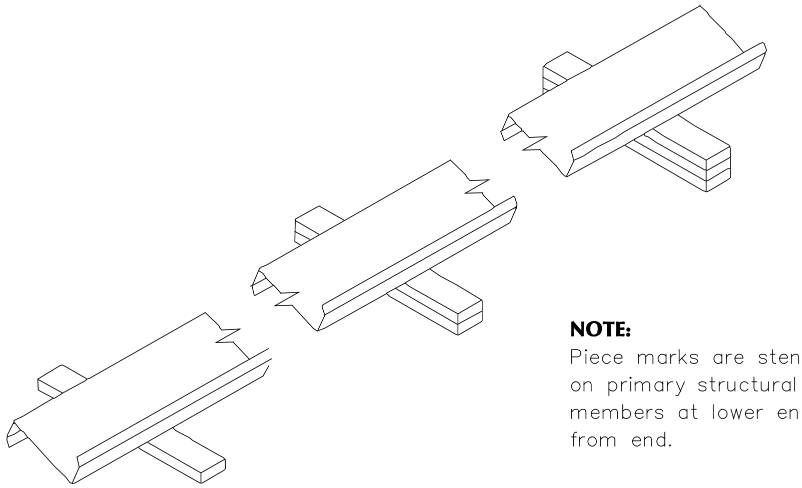
A great amount of time and trouble can be saved if the building site is according to a pre–arranged plan. Proper location and handling of components will eliminate unnecessary handling.

Inspect all shipments prior to releasing the tie–downs for loads that may have shifted during transit, **REMEMBER, SAFETY FIRST!**

Blocking under the columns and rafters protects the splice plates and the slab from damage during the unloading process. It also facilitates the placing of slings or cables around the members for later lifting and allows members to be bolted together into sub–assemblies while on the ground. Extra care should always be exercised in the unloading operations to prevent injuries from handling the steel and to prevent damage to materials and the concrete slabs.

If water is allowed to remain for extended periods in bundles of primed parts such as girts, purlins etc., the pigment will fade and the paint will gradually soften, reducing the bond to the steel. Therefore, upon receipt of a job, all bundles of primed parts should be stored at an angle to allow any trapped water to drain away and permit air circulation for drying. Puddles of water should not be allowed to collect and remain on columns, rafters or beams for the same reason.

All Primer should be touched up as required before erection!



NOTE:
Piece marks are stenciled on primary structural members at lower end, 1'–0" from end.

WALLS AND ROOF PANELS

RIGID's wall and roof panels including color coated, galvalume and galvanized, provide excellent service under widely varied conditions. All unloading and erection personnel should fully understand that these panels are quality merchandise which merit cautious care in handling.

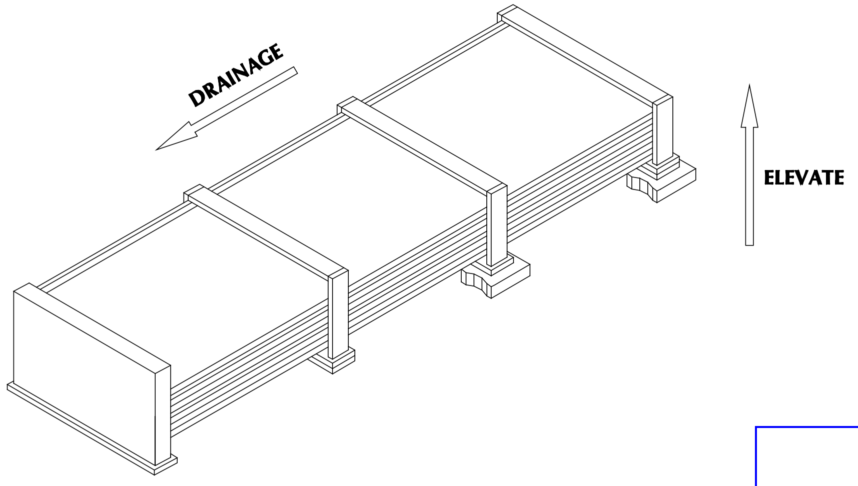
Under no circumstances should panels be handled roughly. Packages of sheets should be lifted off the truck with extreme care taken to insure that no damage occurs to ends of the sheets or to side ribs. The packages should be stored off the ground sufficiently high to allow air circulation underneath the packages. This avoids ground moisture and deters people from walking on the packages. One end of the package should always be elevated to encourage drainage in case of rain.

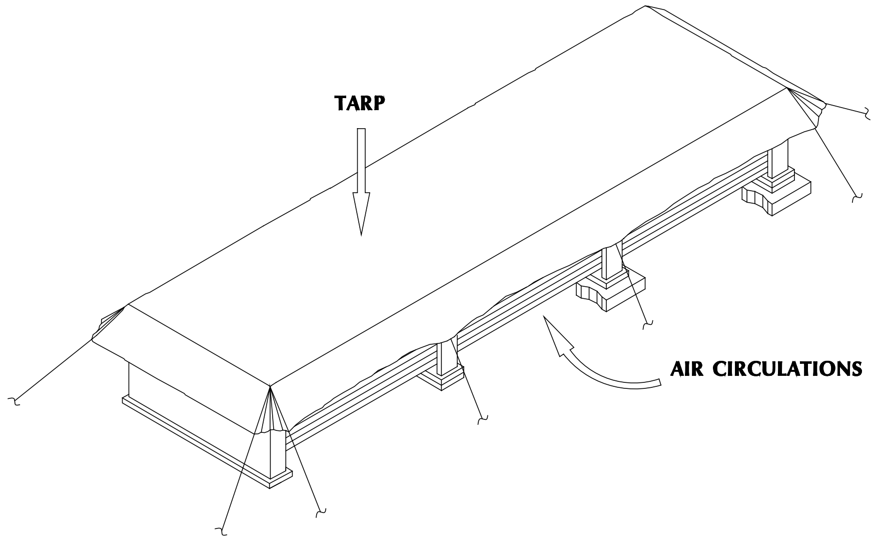
All stacked metal panels are subject, to some degree, to localized discoloration or stain when water is trapped between their closely nested surfaces. RIGID exercises extreme caution during fabricating and shipping operations to insure that all panel stock is kept dry. However, due to climatic conditions, water formed by condensation of humid air can be trapped between stacked sheets. Water can also be trapped between stacked sheets when exposed to rain. This discoloration caused by trapped moisture is often called wet storage stain.

The stain is usually superficial and has little effect on the appearance or service life of the panels as long as it is not permitted to remain on the panels. However, moisture in contact with the surface of the panels over an extended period can severely attack the finish and reduce the effective service life. Therefore, it is imperative that all panels be inspected for moisture upon receipt of the order. If moisture is present, dry the panels at once and store in a dry, warm place.

CAUTION: Care should always be taken when walking on panels. Use saftey lines and nets when necessary! Panels are slippery. Oil or wax applied to the roof and wall panels for protection against weather damage will make them a very slippery surface. Wipe dry any oil that has puddled from bundles stored on a slope. Dew, frost, or other forms of moisture greatly increase the slipperiness of the panels. Always assume panel surface is slippery and act accordingly. **Think safety!!**

Use wood blocking to elevate and slope the panels in a manner that will allow moisture to drain. Wood blocking placed between bundles will provide additional air circulation. Cover the stacked bundles with a tarp or plastic cover leaving enough opening at the bottom for air to circulate.





When handling or uncrating the panels, lift, rather than slide, them apart. Burred edges may scratch the coated surfaces when sheets are slid over one another. Never allow panels to be walked on while on the ground.

Rough and improper handling of a panel is inexcusable and a prime example of poor job supervision.

NOTE:
Use gloves when handling metal panels to prevent hand injuries. Be aware, of the dangers of handling panels on a windy day. A large panel can catch enough wind to knock a worker off his feet, even at ground level!! **Safety first!**

GENERAL NOTE:

1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING THE ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

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CUSTOMER: SEMPER FI STEEL BUILT LLC				
SALES NO.: 75886	JOB NO.: 167838	BUILDING.: C	DWG. NO.: C002	ISSUE: B

LEGENDS & ABBREVIATIONS

DESIGN:

Accel.	Acceleration
Coeff.	Coefficient
CL, Collat	Collateral Load
DL, Dead	Dead Load
H, Horz, Horiz	Horizontal
L	Left
LL, Live	Live Load
LnWnd, LnWind, LWIND	Longitudinal Wind Load
Min, min	Minimum
Max, max	Maximum
R	Right
SL	Snow Load
Slide	Sliding Snow Load
SEIS, Seis	Seismic Load
U_Snow	Unbalance Snow Load
V, Vert	Vertical
WL, Wind_L	Wind Load Left
WR, Wind_R	Wind Load Right
WP, Wind_P	Wind Pressure
WS, Wind_S	Wind Suction

ENGLISH UNITS

Acre	Acres
FT, ft	Feet
GA, Ga, ga	Gage
Gal	Gallons
IN, in	Inches
K, k	Kips
KSI, ksi	Kips Per Square-Inches
lb, #	Pounds
MPH, mph	Miles Per Hour
PLF, plf, lb/ft	Pounds Per Linear-Foot
PSF, psf, lb/ft^2	Pounds Per Square-Feet
TON, ton	Tons
Yd	Yard

METRIC UNITS

cm	Centimeters
Hec	Hectares
liter	Liters
m	Meters
mm	Millimeters
N	Newtons
km	Kilometers
kN	Kilonewtons
kN/m^2	Kilonewtons Per Square-meter
kPa	Kilopascals
kph	Kilometers Per Hour
Pa	Pascals

USEFUL CONVERSION

English	To	English	Metric	To	Metric
1 mile		1760 Yd	1 km		1000 m
1 Yd		3 Ft	1 m		100 cm
1 Ft		12 in	1 cm		10 mm
1 in		16/16 in	1 kN		1000 N
1 Ton (English)		2 Kips	1 kg		9.8066 N
1 Kip		1000 lb	1 Ton (Metric)		1000 kg
1 lb		16 ounces	1 Hec		10,000 m^2
1 Acre		43560 Ft^2	1 m^3		1000 liter
1 Ft^3		7.4805 Gal	1 kPa		1 kN/m^2

English	To	Metric	Metric	To	English
1 in		2.54 cm	1 cm		0.3937 in
1 ft		0.3048 m	1 m		3.2808 ft
1 lb		0.4536 kg	1 kg		2.2046 lb
1 Ton (English)		907.18 kg	1 Ton (Metric)		2204.6 lb
1 Kip		4.4482 kN	1 kN		0.2248 kip
1 mile		1.6093 km	1 km		0.6213 mile
1 Acre		0.4046 Hec	1 Hec		2.4715 Acres
1 lb/ft^2		0.0478 kPa	1 kPa		20.8854 lb/ft^2

Fraction	To	Decimal	Fraction	To	Decimal
1/16		0.0625	9/16		0.5625
1/8		0.1250	5/8		0.6250
3/16		0.1875	11/16		0.6875
1/4		0.2500	3/4		0.7500
5/16		0.3125	13/16		0.8125
3/8		0.3750	7/8		0.8750
7/16		0.4375	15/16		0.9375
1/2		0.5000	16/16		1.0000

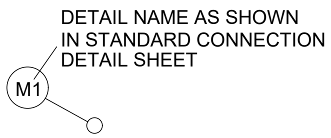
DRAWINGS:

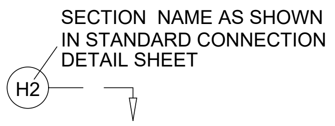
AB, A.B.	Anchor Bolt
AS, As Shown	As Shown
Aux.	Auxiliary
BLDG., Bldg.	Building
B.P., Base PL	Base Plate
BOTT., Bott.	Bottom
Bott. Base PL, B.O.B.P	Bottom Of Base Plate
B.O.S.	Bottom Of Steel
BSW	Back Sidewall
BY OTHERS	By Other Supplier or Not By Rigid
C/C	Center to Center
C.I.P.	Cast-In-Place
CL, ℄	Center Line
CLR.	Clear, Clearance
CMU	Concrete Masonry Unit
COL., Col.	Column
CONC., Conc.	Concrete
CONT.	Continuous, Continuation
DET.	Detail
DIA., Dia., Ø	Diameter
DIM., Dim.	Dimension
DWG., Dwg.	Drawing
EH, E.H.	Eave Height
EJ, Exp. Jt.	Expansion Joint
EL, Elev.	Elevation
EP	End Plate
ES, E.S.	Eave Strut
EW	Endwall
EW COL, EC	Endwall Column
EW RAF	Endwall Rafter
Exp. Bolt	Expansion Bolt
FFL, Fin. Flr.	Finish Floor Line
FLG., FLGE., Flg., Flge.	Flange
FNB, F.N.B.	Fin Neck Bolt
FO, F.O.	Framed Opening
FRM., Frm.	Frame
FSW	Front Sidewall
GA, Ga.	Gage
GALV., Galv.	Galvanized
G.O.L.	Gage of Outstanding Leg
H, Ht.	Height
HED,HEDS	High Eave Double Slope
HES,HESS	High Eave Single Slope
Horz, Horiz	Horizontal
HSB, H.S.B.	High Strength Bolt
HSS	Hollow Structural Section
INT., Int.	Interior, Intermediate
I/S	Inside
LED,LEDS	Low Eave Double Slope
LES,LESS	Low Eave Single Slope
LEW	Left Endwall
LHI	Left Hand In
LHO	Left Hand Out
LL	Long Life
LLH	Long Leg Horizontal
LLV	Long Leg Vertical
LT	Lean-To
LT COL	Lean-To Column
LT RAF	Lean-To Rafter
LG., Lg.	Long
L, Lt.	Length
L x W x H	Length x Width x Height
MAX., max.	Maximum
MIN., min.	Minimum
MKD., MK'D.	Marked
MB, M.B.	Machine Bolt
MEZZ., Mezz.	Mezzanine
N.A., N/A	Not Applicable
NO., No.	Number
NS/FS, NS&FS	Near Side and Far Side
O.C.	On Center
O/S	Outside
OH, Opp Hand	Opposite Hand (Mirror Image)
OHD, O.H.D.	Over-Head Door
O/O	Out to Out
PF COL	Portal Frame Column (Wind Bent Column)
PF RAF	Portal Frame Rafter (Wind Bent Rafter)
PL, ₽	Plate
QTY., Qty.	Quantity
REF., Ref.	Refer, Reference
REW	Right Endwall

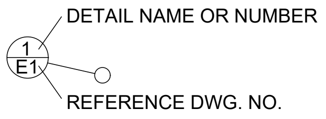
DRAWINGS:

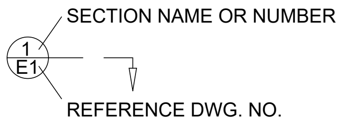
RHB	Round Head Bolt
RHI	Right Hand In
RHO	Right Hand Out
REINF.	Reinforced
REQ'D., REQD.,	Required
REV., Rev.	Revised, Revision
RF, R.F.	Rigid Frame
RF COL	Rigid Frame Column
RF RAF	Rigid Frame Rafter
RUD, R.U.D.	Roll-Up Door
SC	Slip Critical
SDS	Self-Drilling Screws
SECT., Sect.	Section
SHTG., Shtg.	Sheeting
Sol Col	Soldier Column
SP	Splice Plate
SSR	Standing Seam Roof
SST	Stainless Steel
ST COL	Straight Column
STIFF.	Stiffener
STD.	Standard
STS	Self-Tapping Screws
SW	Sidewall
SYM., Sym., SYMM., Symm.	Symmetry, Symmetrical
TBE	To Be Established
TBD	To Be Determined
TC	Tension Control
THK., Thk.	Thick
TOC, T.O.C.	Top Of Concrete
TOS, T.O.S.	Top Of Steel
T & B, TOP & BOTT	Top and Bottom
TYP., Typ., typ.	Typical
UN, U.N.O.	Unless Noted, Unless Noted Otherwise
Vert.	Vertical
WD	Walk Door
W, Wd.	Width
W.P.	Work Point, Working Point

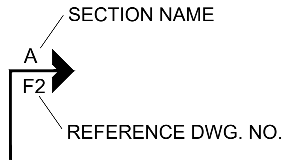
SECTIONS AND DETAILS:

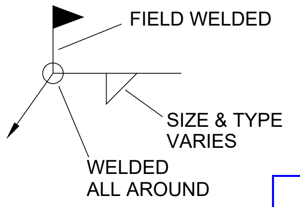


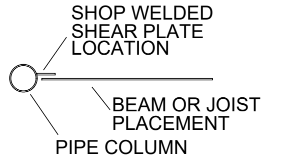


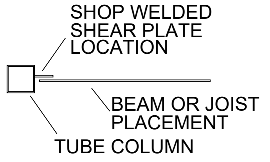












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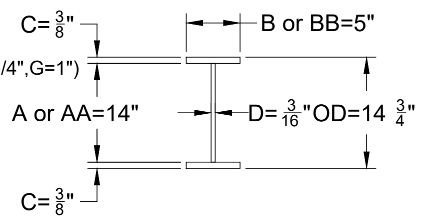
BUILT-UP SECTIONS: USED FOR FRAMES, BEAMS, COLUMNS

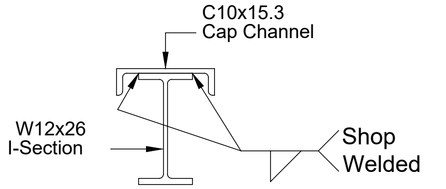
WAABCD Example: W14563
- Web Thickness (16/in, 2=10Ga)
- Flange Thickness (16/in,A=5/8",C=3/4",G=1")
- Flange Width (in)
- Web Depth (in)
- Welded I-Section

Overall Depth=OD=AA+C+C



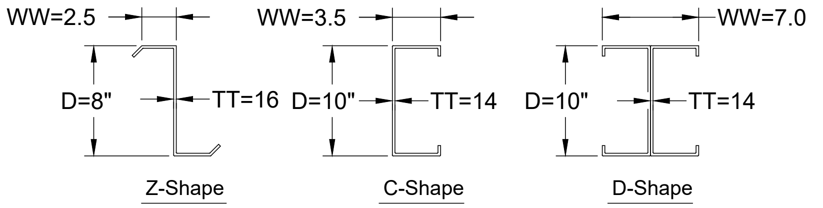
CRANE BEAM SECTIONS: USED FOR RUNWAY BEAMS, MONORAILS

12W26C10 Example: 12W26C10
- Cap Channel Depth
- Hot-Rolled Cap Channel
- Nominal Weigth
- Hot-Rolled I-Section
- Nominal Depth



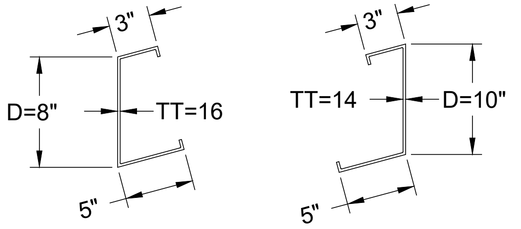
COLD-FORMED SECTIONS Z,C,D: USED FOR PURLINS,GIRTS,JAMBS,JOISTS

DxWWSTT Example: 8x25Z16; 10x35C14; 10x70D14
- Web Thickness (Gauge)
- Shape (Z, C, D)
- Flange Width (25=2.5",35=3.5",50=2x2.5", 70=2x3.5")
- Depth (8",10,12")



COLD-FORMED SECTION ES: USED FOR EAVE STRUTS

LDESTT Example: L8ES16; H10ES14
- Web Thickness (Gauge)
- ES=Eave Strut
- Depth (6",8",10,12")
- Location (L=Low Eave, H=High Eave)



Low Eave	High Eave
LED or LEDS LES or LESS	HED or HEDS HES or HESS

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ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	LEGENDS & ABBREVIATIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	30389 MIRA LOMA DR.		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167838	N.T.S.	C03 OF 4	B

DRAWING INDEX

DWG.NO.	ISSUE	DRAWING TITLE
C01	B	COVER SHEET
C02	B	UNLODING, HANDLING & STORING OF MATERIALS
C03	B	LEGENDS AND ABBREVIATIONS
C04	B	DRAWING INDEX
F01	B	COLUMN LAYOUT PLAN
F02	B	ANCHOR BOLT DETAILS
F03	B	ANCHOR BOLT REACTIONS
E01	B	ROOF FRAMING PLAN
E02	B	ROOF SHEETING PLAN
E03	B	RIGID FRAME ELEVATION
E04	B	ENDWALL FRAMING & SHEETING
E05	B	SIDEWALL FRAMING & SHEETING
E06	B	STANDARD CONNECTION DETAILS
E07	B	STANDARD CONNECTION DETAILS
E08	B	DETAIL DRAWINGS
E09	B	DETAIL DRAWINGS

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A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
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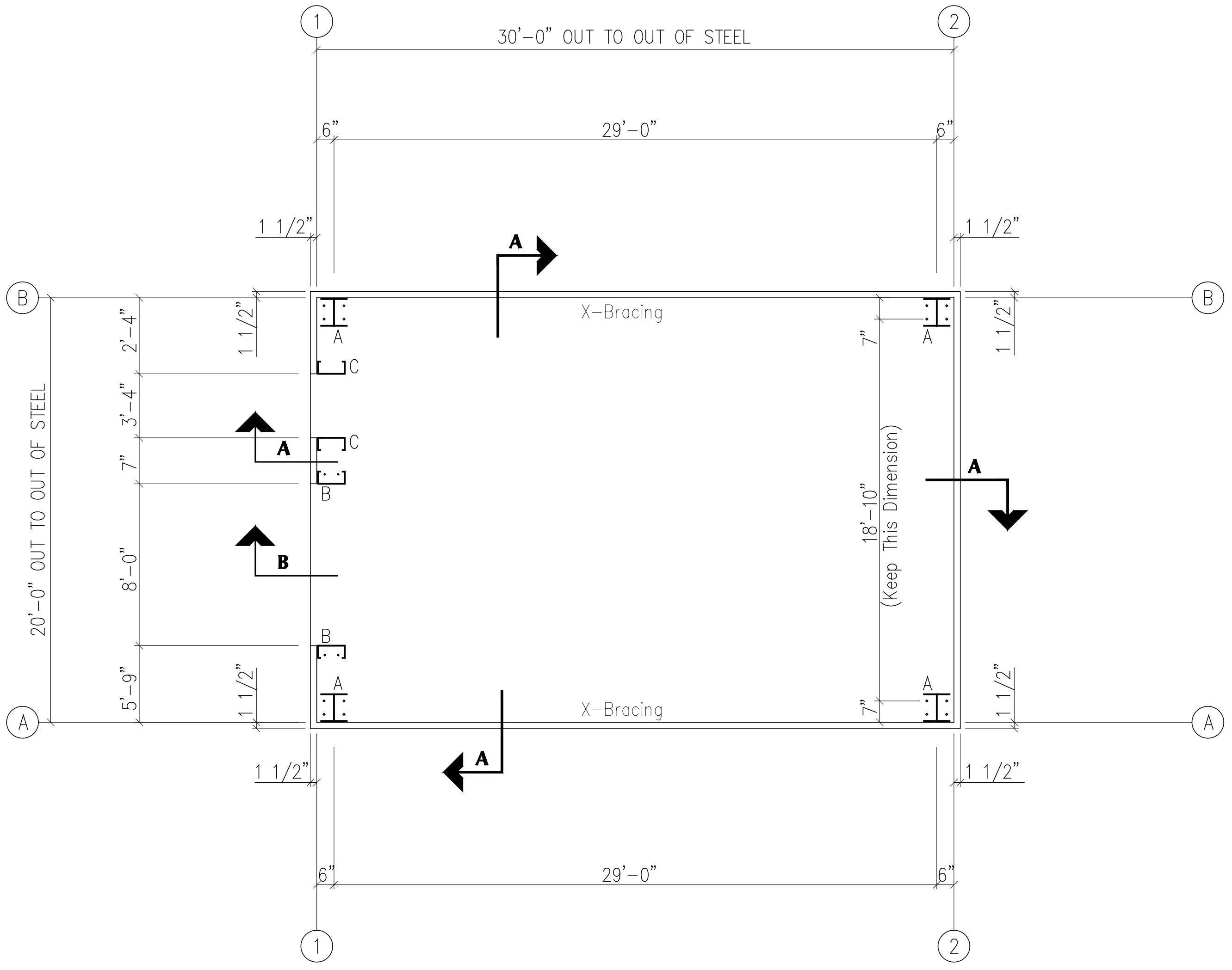
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

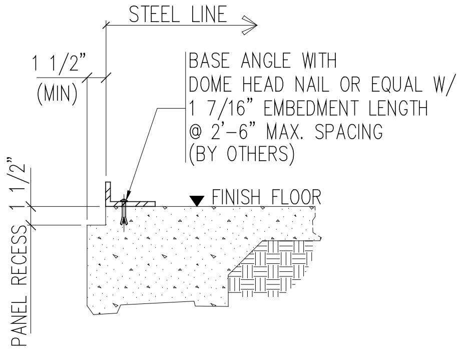
DESCRIPTION	DRAWING INDEX		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167838	N.T.S.	C04 OF 4	B


30'-0" OUT TO OUT OF STEEL
6"
29'-0"
6"
1 1/2"
1 1/2"
X-Bracing
20'-0" OUT TO OUT OF STEEL
2'-4"
3'-4"
7"
8'-0"
5'-9"
18'-10" (Keep This Dimension)
7"
7"
A
B
C
1
2

COLUMN LAYOUT PLAN

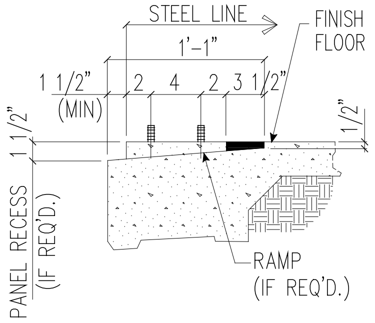
NOTE: All Base Plates @ 100'-0" (U.N.)


STEEL LINE
1 1/2" (MIN)
BASE ANGLE WITH DOME HEAD NAIL OR EQUAL W/ 1 7/16" EMBEDMENT LENGTH @ 2'-6" MAX. SPACING (BY OTHERS)
FINISH FLOOR
PANEL RECESS 1 1/2"

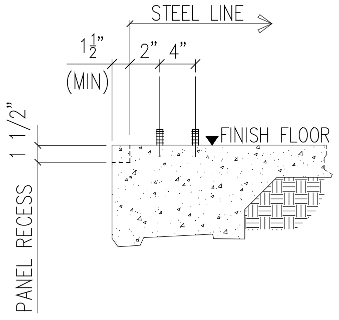
IMPORTANT NOTES:

NOTCH AREA INDICATES 1 1/2" INCH BY 1 1/2" INCH RECESS FOR METAL WALL SHEETS. THE SHEETS SHOULD NOT TOUCH THE BOTTOM OF THE NOTCH, WHICH WOULD VOID THE WARRANTY!

A **SECTION**



B **SECTION**



FIELD LOCATE WALKDOOR F.O.

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C 83009
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RIGID GLOBAL BUILDINGS
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Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	COLUMN LAYOUT PLAN		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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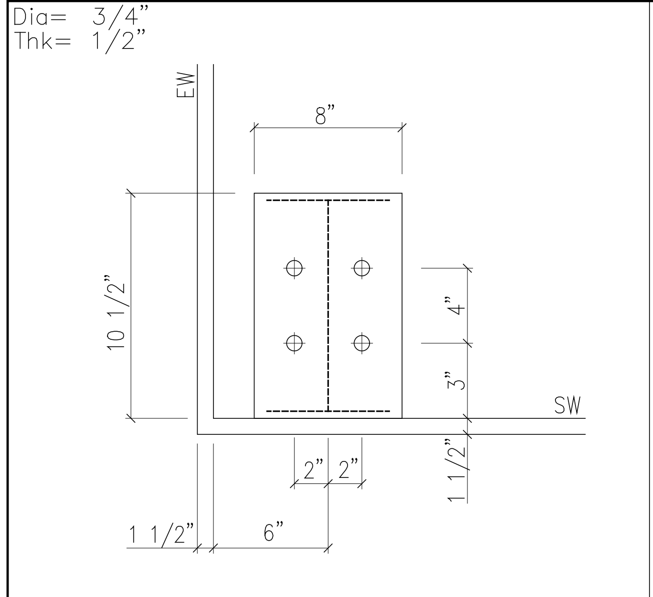
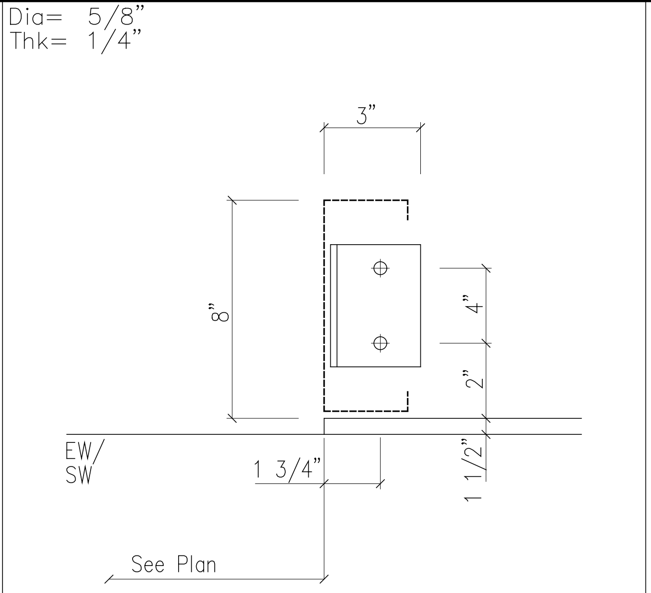
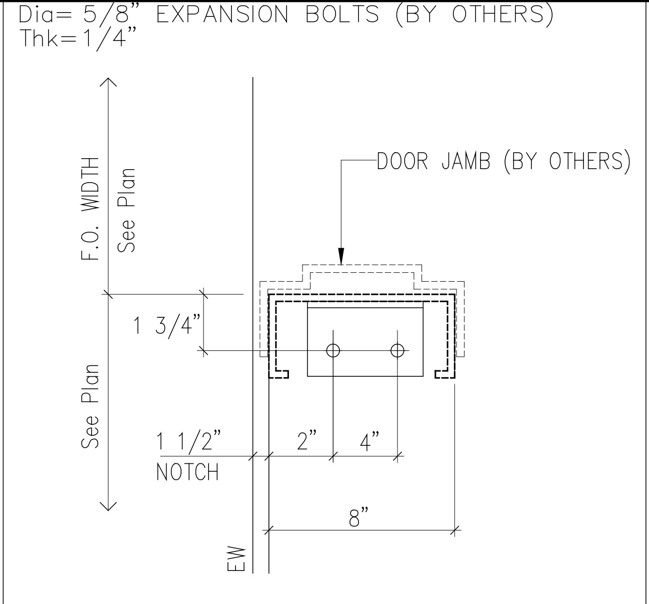


DETAIL A



DETAIL B



DETAIL– C FIELD LOCATE F.O. FOR WALKDOOR (BY OTHERS)

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GENERAL NOTES:

① THE ANCHOR BOLT DETAILS SHOWN ON THIS DRAWING LOCATE THE ANCHOR BOLTS IN REFERENCE TO BOTH THE BUILDING STEEL LINE AND THE OUTSIDE OF RIGID'S SUGGESTED PANEL RECESS OF 1–1/2".

② THE ANCHOR BOLT SETTING PLAN LOCATES ANCHOR BOLTS IN REFERENCE TO THE OUTSIDE OF THE PANEL RECESS SHOWN. IF THE ACTUAL PANEL RECESS IS DIFFERENT FROM WHAT IS SHOWN ON THE ANCHOR BOLT SETTING PLAN, THEN ALL REFERENCE DIMENSIONS FROM THE OUTSIDE OF THE PANEL RECESS MUST BE DETERMINED BY THE CUSTOMER.

③ BOTTOM OF ALL BASE PLATES ARE AT THE SAME ELEVATION. (UNLESS NOTED)

NOTE:

ONLY ANCHOR BOLTS SETTING PLAN ISSUED & STAMPED "FOR CONSTRUCTION" SHALL BE USED IN SETTING ANCHOR BOLTS. 'RIGID GLOBAL BUILDINGS' SHALL NOT BE RESPONSIBLE FOR ERROR OR DISCREPANCY IF THE DRAWING USED IS NOT VALID FOR CONSTRUCTION.

QTY.	SYMBOL	DIA.	PROJ.
–	⌖	1/2"	1"
8	⌖	5/8"	2"
16	⌖	3/4"	2 1/2"
–	⌖	7/8"	2 3/4"
–	⌖	1"	3"
–	⌖	1 1/8"	3 1/2"
–	⌖	1 1/2"	3 1/2"

ANCHOR BOLT DETAIL

ANCHOR BOLT PROJECTION "PROJ." IS MEASURED FROM BOTTOM OF BASE PLATE LENGHT OF "PROJ." SHOWN IS FOR ONE NUT + ONE WASHER	DETAIL OF ANCHOR BOLT AS PER THE SUPPLIER NUTS & WASHERS BY SUPPLIER

ANCHOR BOLTS NOT BY RIGID GLOBAL BUILDINGS

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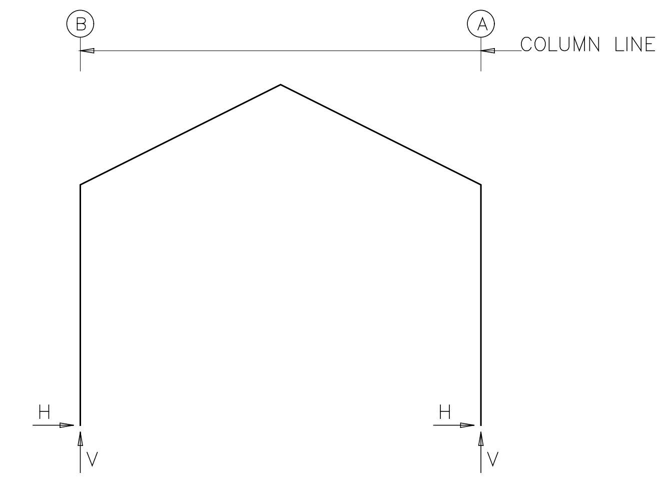
75886	167838	N.T.S.	F02 OF 3	B

FRAME LINES: 1 2



RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
1*	B	0.2	1.1	0.2	0.7	0.5	3.0	−1.9	−3.4	1.9	−1.2	−2.3	−2.5
1*	A	−0.2	1.1	−0.2	0.7	−0.5	3.0	−1.9	−1.2	1.9	−3.4	−1.5	−0.2

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert	Seismic_Long Horiz	Seismic_Long Vert
1*	B	1.5	−0.2	0.9	−2.5	0.4	−2.8	−1.0	−1.1	1.0	1.1	0.0	−0.7
1*	A	2.3	−2.5	−0.4	−2.8	−0.9	−2.5	−1.0	1.1	1.0	−1.1	0.0	−0.7

1* Frame lines: 1 2

RIGID FRAME: MAXIMUM REACTIONS, ANCHOR BOLTS, & BASE PLATES

Frm Line	Col Line	Column_Reactions(k) Load Id	Hmax H	V Vmax	Load Id	Hmin H	V Vmin	Bolt(in) Qty	Dia	Base_Plate(in) Width	Length	Thick	Grout (in)
1*	B	2	1.6	3.6	5	−1.3	−0.8	4	0.750	8.000	10.50	0.500	0.0
		8	1.3	4.9	3	−1.0	−1.4						
1*	A	6	1.3	−0.8	1	−1.6	3.6	4	0.750	8.000	10.50	0.500	0.0
		7	−1.3	4.9	4	1.0	−1.4						

1* Frame lines: 1 2

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	A	1,2	1.2	0.4	1.9	0.7			
R_EW	2								(h)
B_SW	B	2,1	1.2	0.4	1.9	0.7			

(h)Rigid frame at endwall

NOTES FOR REACTIONS

1. All loading conditions are examined and only maximum/minimum H or V and the corresponding H or V are reported.
2. Positive reactions are as shown in the sketch. Foundation loads are in opposite directions.
3. Bracing reactions are in the plane of the brace with the H pointing away from the braced bay. The vertical reaction is downward.
4. Building reactions are based on the following building data:

Width (ft) = 20.0
Length (ft) = 30.0
Eave Height (ft) = 12.0/ 12.0
Roof Slope (rise/12) = 6.0/ 6.0
Dead Load (psf) = 4.0
Collateral Load (psf) = 4.0
Roof Live Load(psf) = 20.0
Frame Live Load(psf) = 15.7
Wind Speed (mph) = 96.0
Wind Code = CBC22 / IBC 21
Exposure = C
Closed/Open = C
Importance Wind = 1.00
Importance Seismic = 1.00
Seismic Zone = D
Seismic Coeff (Fa*Ss) = 1.62

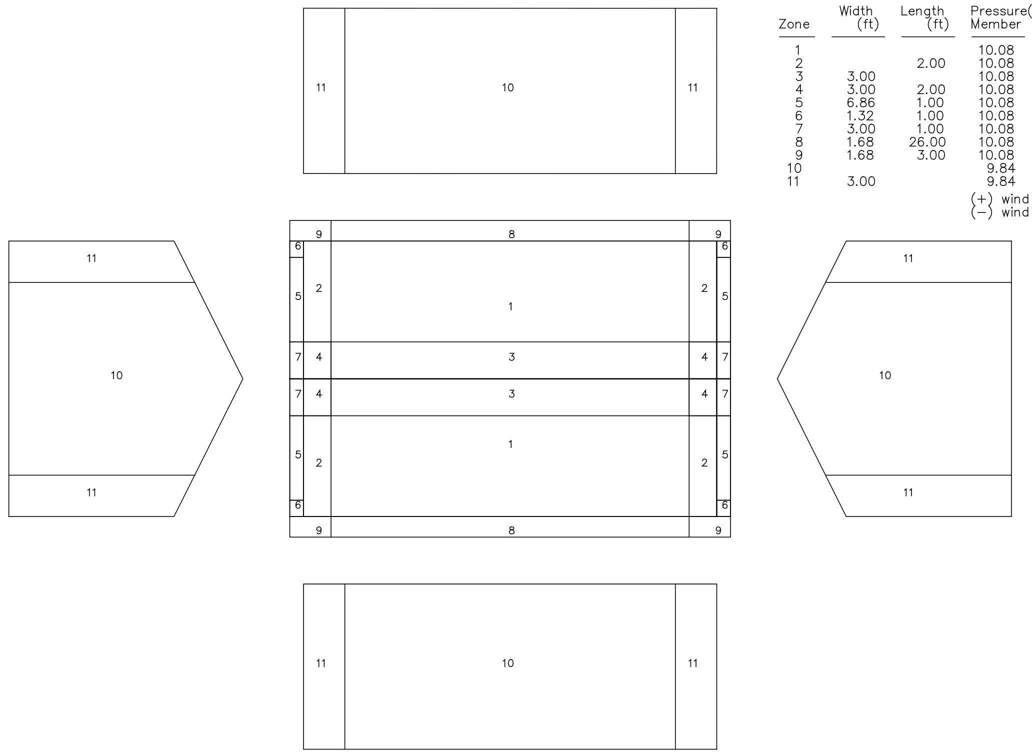
5. Loading conditions are:

1 Dead+Collateral+0.75Live+0.45Wind_Left1
2 Dead+Collateral+0.75Live+0.45Wind_Right1
3 0.6Dead+0.6Wind_Left1
4 0.6Dead+0.6Wind_Right1
5 0.6Dead+0.6Wind_Left2
6 0.6Dead+0.6Wind_Right2
7 1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Left
8 1.11Dead+1.11Collateral+0.75Live+0.53Seismic_Right

Components & Cladding (Factored)

Zone	Width (ft)	Length (ft)	Pressure(psf) Member	Pressure(psf) Panel	Suction(psf) Member	Suction(psf) Panel
1			10.08	10.08	−12.38	−16.45
2		2.00	10.08	10.08	−15.47	−26.32
3	3.00		10.08	10.08	−15.47	−26.32
4	3.00	2.00	10.08	10.08	−19.43	−30.60
5	6.86	1.00	10.08	10.08	−27.36	−29.45
6	1.32	1.00	10.08	10.08	−30.45	−35.21
7	3.00	1.00	10.08	10.08	−31.07	−37.51
8	1.68	26.00	10.08	10.08	−18.92	−19.58
9	1.68	3.00	10.08	10.08	−24.22	−35.25
10			9.84	11.58	−10.80	−12.54
11	3.00		9.84	11.58	−11.99	−15.42

(+) wind towards surface
(−) wind away from surface



Panel Zone: Wind 1

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RIGID GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
Fax : (281) 443–9064

DESCRIPTION	ANCHOR BOLT REACTIONS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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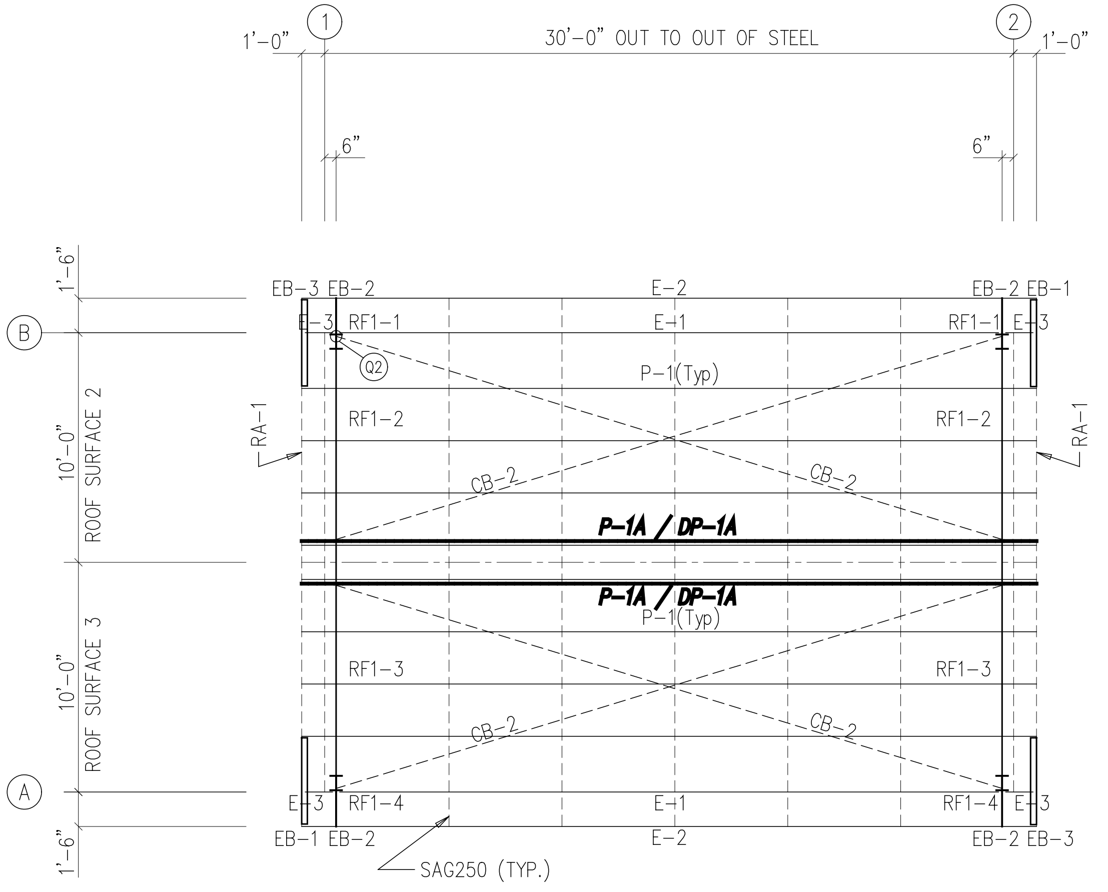
75886	167838	N.T.S.	F03 OF 3	B

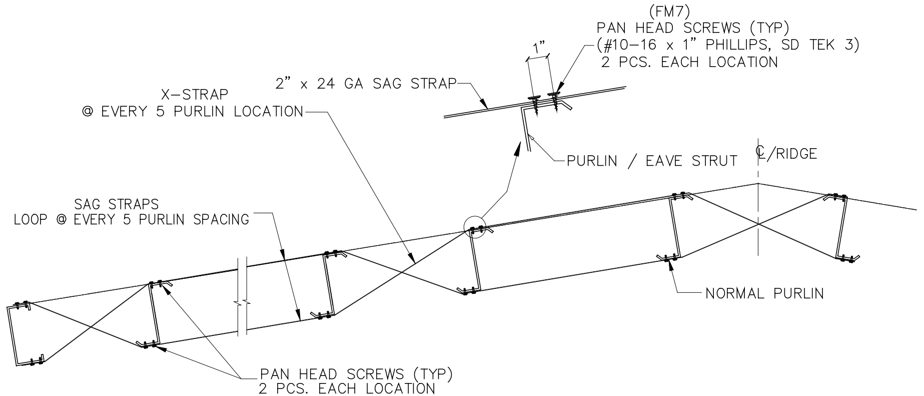
EXTENSION/CANOPY BOLTS ROOF PLAN	
MARK	QUAN TYPE DIA LENGTH
EB-2	(SHOP WELD)

MEMBER TABLE ROOF PLAN	
MARK	PART
EB-1	8x35C12
EB-2	W8x10
EB-3	8x35C12
P-1	8x25Z12
P-1	8x25Z12
P-1	8x25Z12
E-1	L8x5x3ES12
E-2	8x25C16
E-3	L8x5x3ES12
CB-2	CB0250



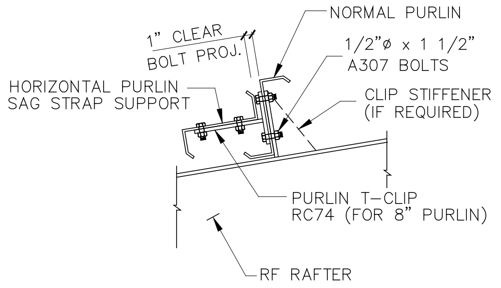
ROOF FRAMING PLAN

W/ 6" THK. OS ROOF INSULATION (BY OTHERS)



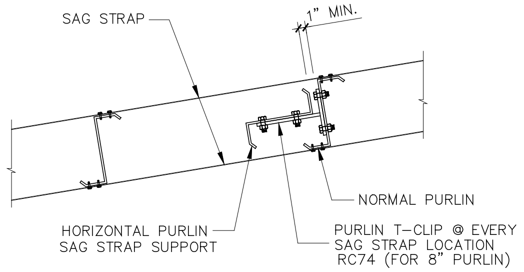
TYPICAL SAG STRAP DETAIL

(TOP & BOTTOM)



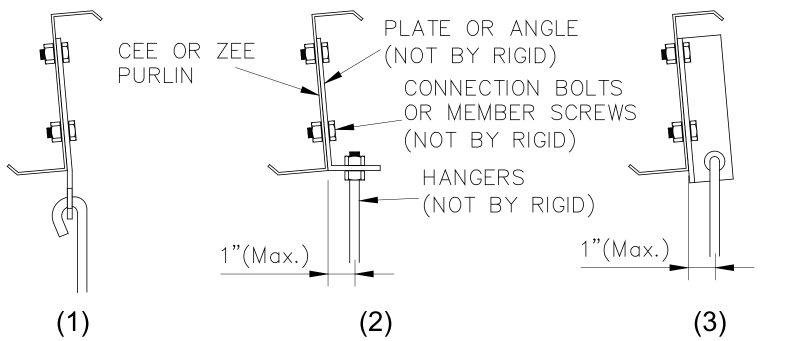
HORIZONTAL PURLIN CONNECTION TO RF RAFTER

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.

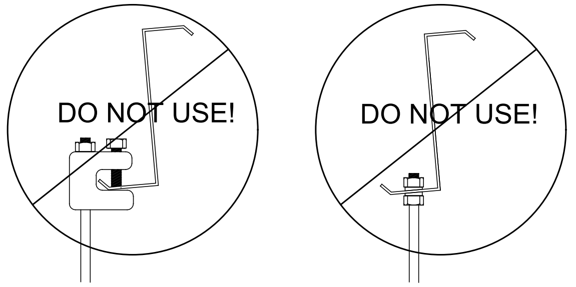


HORIZONTAL PURLIN CONNECTION TO NORMAL PURLIN

ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



HANGERS ON CEE OR ZEE PURLINS MUST ATTACH TO THE WEB ONLY. HANGERS MUST BE LOCATED SO THAT THE SUPPORTED LOAD DOES NOT EXCEED THAT SPECIFIED IN THE CONTRACT DOCUMENTS. SUGGESTED DETAILS ARE AS SHOWN ABOVE.



DO NOT USE C-CLAMPS OR ANY OTHER HANGER ATTACHED TO THE FLANGE OF THE PURLIN. IT REDUCES THE CAPACITY OF THE PURLIN AND PRODUCE SECONDARY STRESSES.

TYP. COLLATERAL LOAD CONNECTION DETAIL

IMPORTANT NOTES:

High R-value roof insulation systems require two layers of insulation. The sag straps that prevent purlin roll may conflict with faced roof insulation between purlins. Rigid Global Buildings recommends an unfaced layer between the purlins that can be cut around the required framing.

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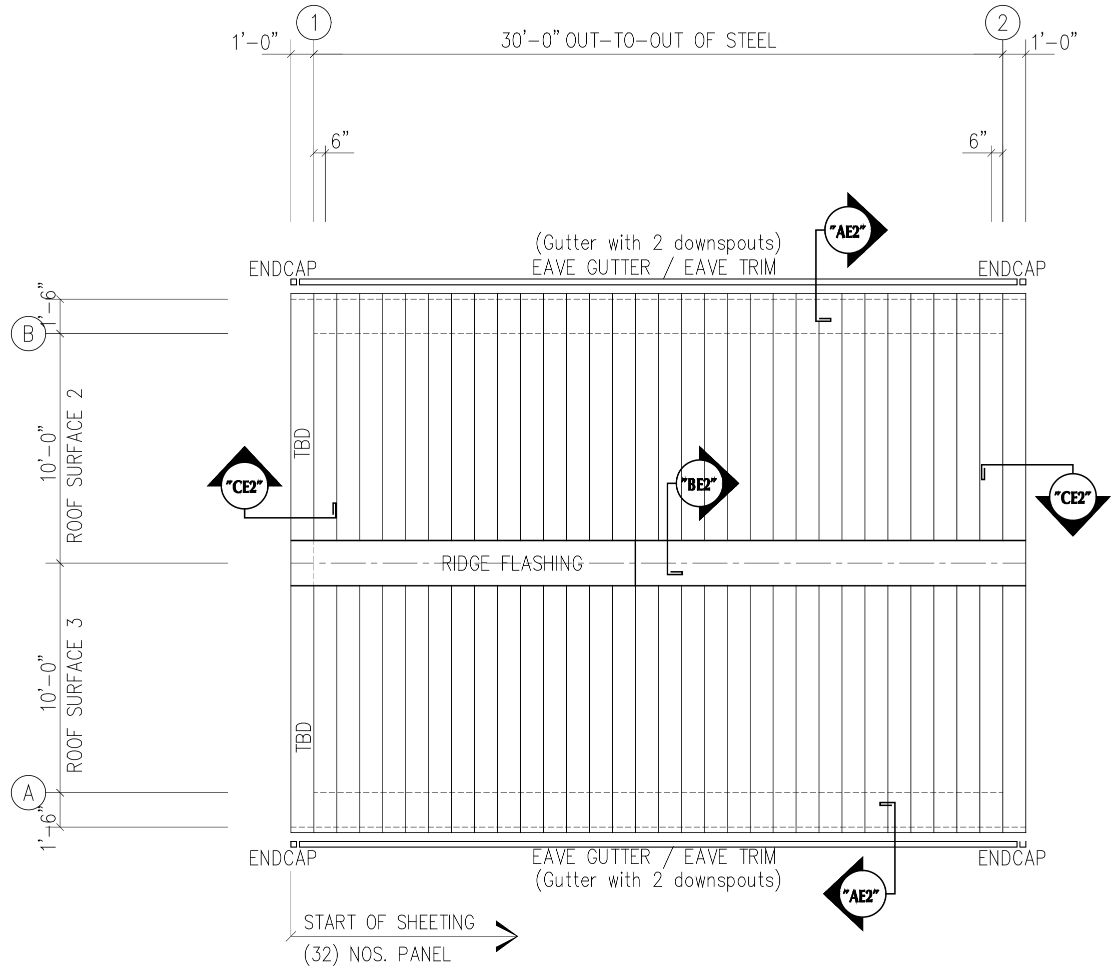

ROOF SHEETING PLAN

PANELS: 24 Ga. MEDALLION-LOK SEAM 12" - KYNAR 500 MATT BLACK
ALL ROOF TRIMS AS PER MCELROY

IMPORTANT NOTES:

Additional Panel Information

==

Roof Panel: 24GA. MEDALLION LOK-SEAM 12", KYNAR 500 MATT BLACK BY MCELROY
Roof Insulation Thickness (in.) Above Purlin: BY OTHERS
SSR Clip Type: BY MCELROY
SSR Seam Type: BY MCELROY

==

1. OIL CANNING OF PANELS IS NOT A CAUSE OF REJECTION.
2. EXTREME CARE MUST BE EXERCISED DURING ERECTION OF ROOF PANELS AND TRIMS. FOOT TRAFFIC MAY RESULT IN PERMANENT PANEL DISTORTION AND FINISH ABRASION.

==

ERECTOR'S NOTE

==

1. INSTALLER OF STANDING SEAM ROOF PANEL MUST STUDY THE INSTALLATION MANUALS PRIOR TO INSTALLATION. MANUALS ARE PROVIDED WITH THE MATERIALS SHIPMENT BUT CAN BE REQUESTED OR DOWNLOADED FROM THE MCELROY WEBSITE AT www.mcelroymetal.com
2. FAILURE TO INSTALL THE ROOF SHEETS IN ACCORDANCE WITH THE SHEETING DIRECTIONAL ARROWS SHOWN ON THESE PLANS MAY RESULT IN IMPROPER FIT-UP OF THE OUTSIDE CLOSURES (END DAMS) AND POSSIBLY OTHER TRIM COMPONENTS WHICH COULD AFFECT THE OVERALL APPEARANCE AND WEATHER TIGHTNESS OF THE BUILDING. RIGID WILL NOT BE HELD RESPONSIBLE FOR THE CHARGES OR ADDITIONAL FIELD WORK DUE TO NOT FOLLOWING SHEETING DIRECTIONAL ARROWS AND OTHER PROCEDURES OUTLINED IN THE ERECTION MANUAL.
3. IN THE EVENT THAT A DISCREPANCY OR ERROR ARISES WITH MATERIALS SHIPPED FOR THIS PROJECT OR ON THESE ERECTION DRAWINGS, THE ERECTOR/INSTALLER MUST NOTIFY RGB PRIOR TO CORRECTING. IF RGB IS NOT NOTIFIED, RGB WILL NOT HONOR BACKCHARGES BY ANY PARTY INVOLVED.
4. MEMBER SCREW AND STITCH SCREW PATTERNS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ROOF AND WALL DETAILS SHOWN ON DWG.# E008
5. RGB SUPPLIES 5% OVERAGE FOR SCREWS AND ANY CLAIM ON SHORTAGE BECAUSE OF NON-COMPLIANCE WITH THE DRAWINGS SHALL NOT BE RGB'S RESPONSIBLITY.

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SPLICE PLATE & BOLT TABLE

Mark	Qty Top	Qty Bot	Qty Int	Type	Dia	Length	Width	Thick	Length
SP–1	2	4	0	A325	0.875	2.75	6"	3/4"	1'–2"
SP–2	4	4	0	A325	0.625	2.00	6"	1/2"	1'–4 3/4"

STIFFENER TABLE

Mark	Stiff Mark	Plate Size Width	Thick	Length
RF1–1	St– 1	2.410	0.313	9.500
RF1–4	St– 1	2.410	0.313	9.500

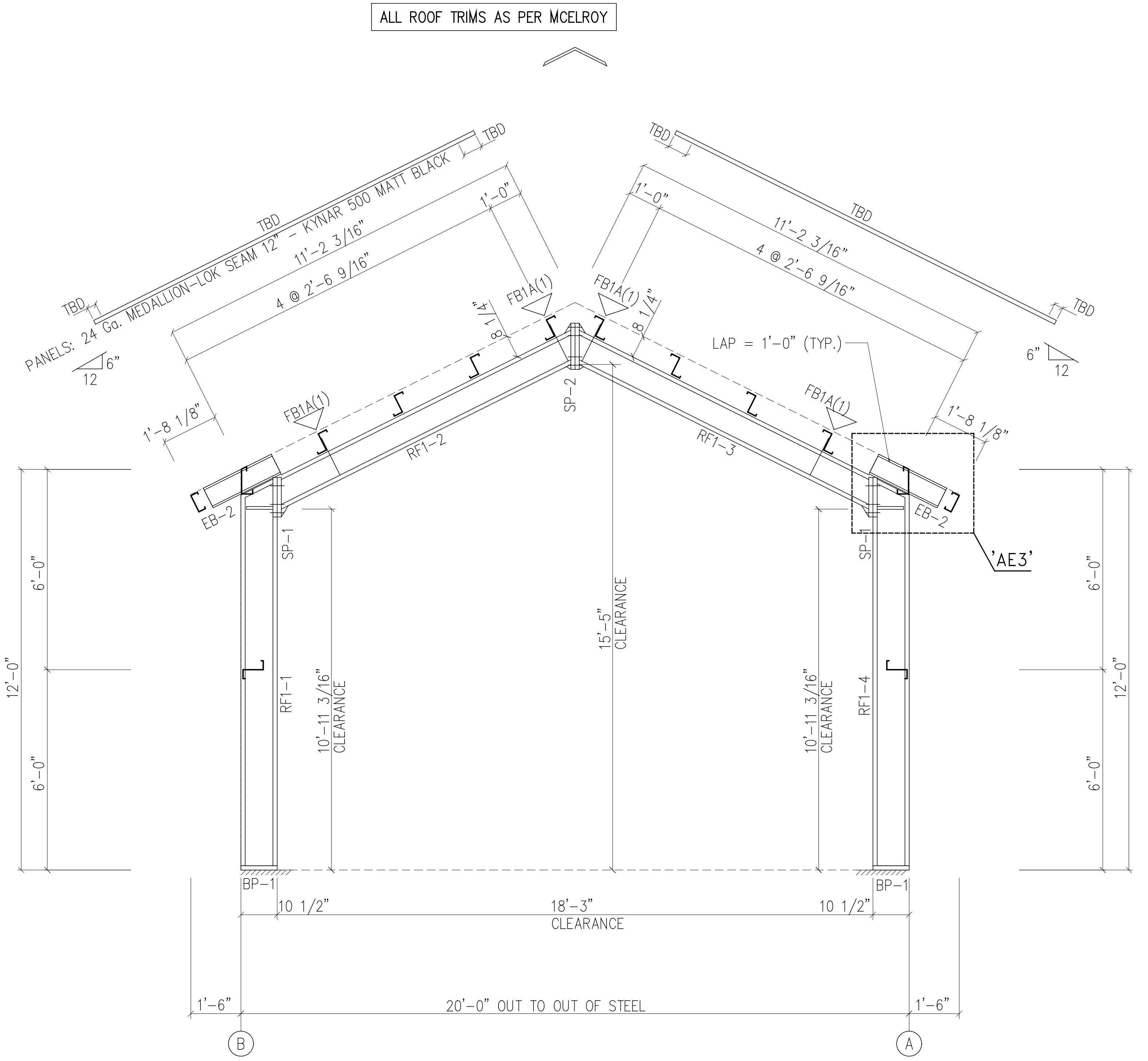
BASE PLATE TABLE

Col Mark	Plate Size Width	Thick	Length
BP–1	8"	1/2"	10 1/2"

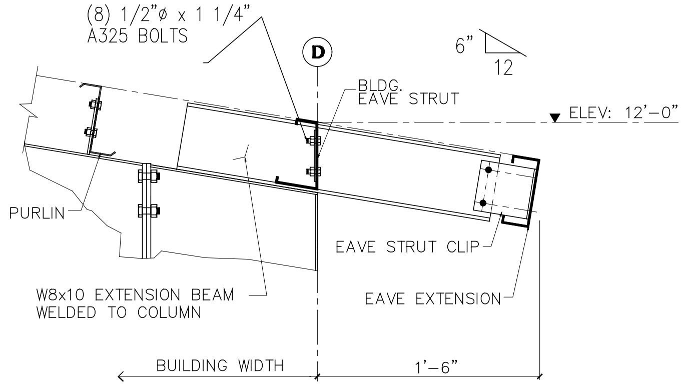
FBXXA(1)=FLANGE BRACE AT ONE SIDE ONLY
FBXXA(2)=FLANGE BRACE AT BOTH SIDES
A – L2x2x14

MEMBER TABLE

Mark	Web Depth Start/End	Web Plate Thick	Web Plate Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1–1	10.0/10.0	0.135	134.1	5 x 1/4" x 134.1 6 x 1/4" x 10.3	5 x 1/4" x 126.7
RF1–2	8.0/ 8.0	0.135	124.5	5 x 1/4" x 120.3	5 x 1/4" x 120.3
RF1–3	8.0/ 8.0	0.135	124.5	5 x 1/4" x 120.3	5 x 1/4" x 120.3
RF1–4	10.0/10.0	0.135	134.1	6 x 1/4" x 10.3 5 x 1/4" x 134.1	5 x 1/4" x 126.7



RIGID FRAME ELEVATION: FRAME LINE 1 2



'DETAIL 'AE3'

TYP. HOT-ROLLED EAVE EXTENSION TO MAIN FRAMES DETAIL

ALL BOLTS ARE 1/2"ø x 1" MACHINE BOLTS U.N.

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CHAO CHI
C 83009
EXP 09/30/2024
CIVIL
STATE OF CALIFORNIA

GENERAL NOTES:

CONSTRUCTION NOTES FOR THE RIGID FRAMES.
1. ALL PRIMARY STRUCTURAL STEEL SHALL BE FABRICATED FROM 50 OR 55 KSI STEEL.
2. ALL FIELD CONNECTIONS OF PRIMARY FRAMING MEMBERS SHALL BE BOLTED. WITH A325 H. S. BOLTS AND INSTALLED BY THE 'TURN OF THE NUT' METHOD.
3. ALL FIELD CONNECTIONS OF SECONDARY FRAMING SHALL BE BOLTED WITH A307 MACHINE BOLTS.
4. WELDING PROCESSES USED BY MANUFACTURER ARE IN ACCORDANCE WITH SEC. 1.3 OF AWS D 1.1.
5. A325 High Strength bolt shall be tightened with one washer. Refer to General Notes 1.5 and 1.6 on cover sheet for tightening methods and installation inspections.

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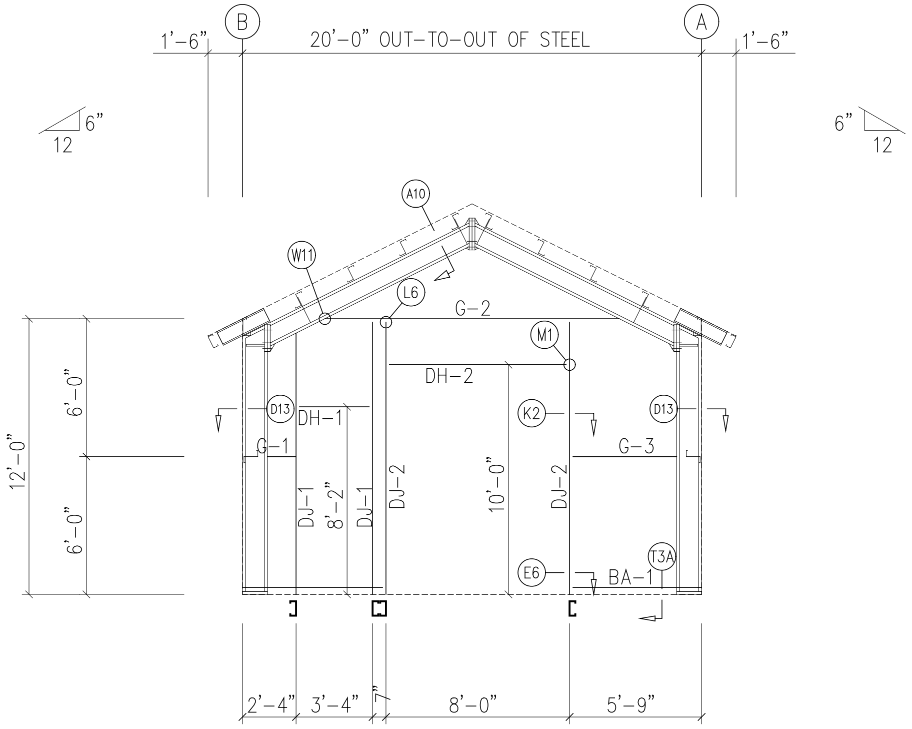
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
Fax : (281) 443–9064

DESCRIPTION	RIGID FRAME ELEVATION		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

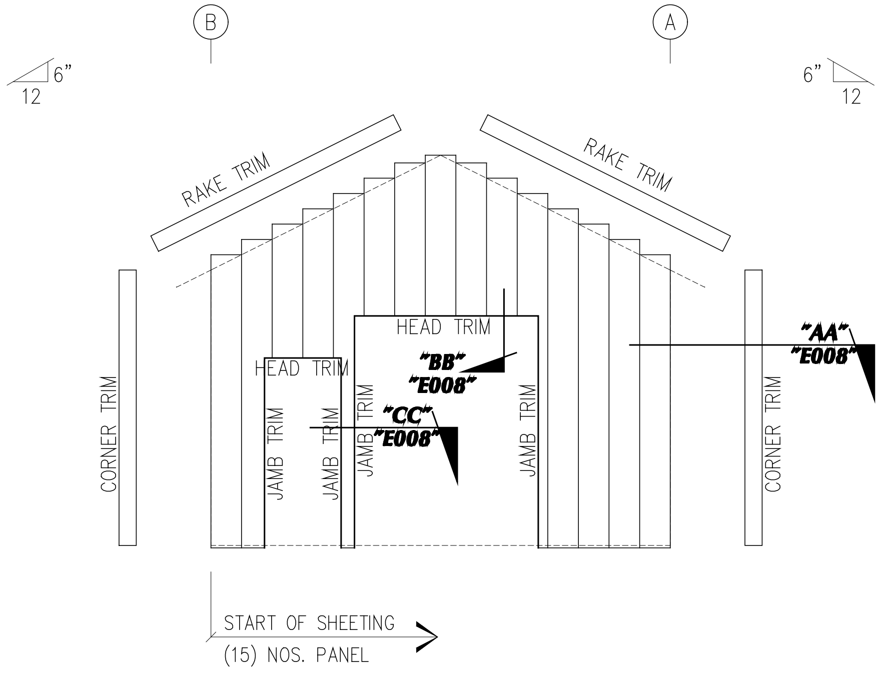
SALES NO.: 75886
JOB NO.: 167838
SCALE: N.T.S.
DWG. NO.: E03 OF 9
ISSUE: B

MEMBER TABLE FRAME LINE 1	
MARK	PART
DJ-1	8x25C16
DJ-2	8x25C16
DH-1	8x25C16
DH-2	8x25C16
G-1	8x25Z16
G-2	8x25Z16
G-3	8x25Z16



ENDWALL FRAMING: FRAME LINE 1

W/ 3" THK. OS WALL INSULATION (BY OTHERS)

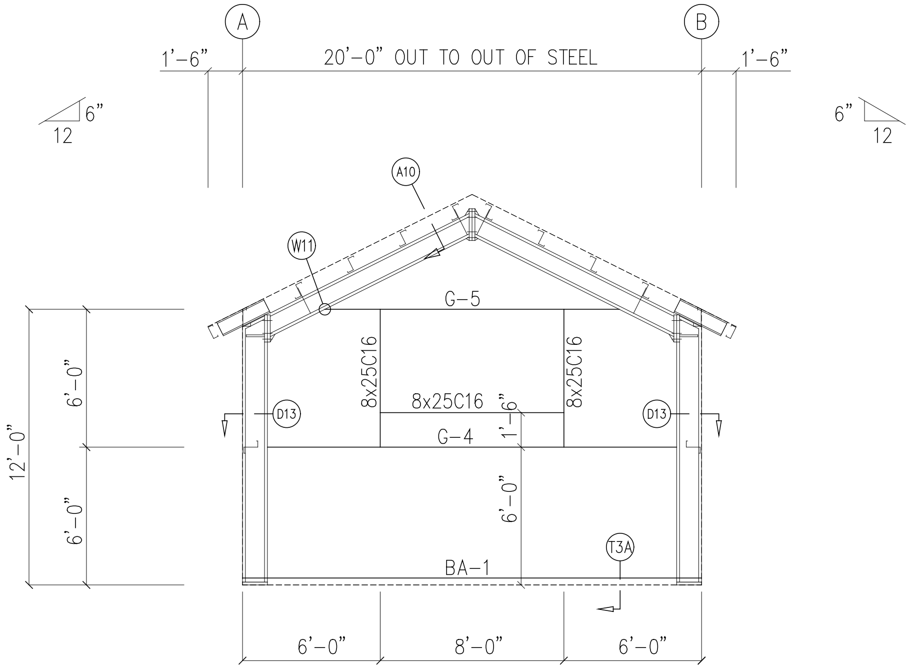


ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 24GA. MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

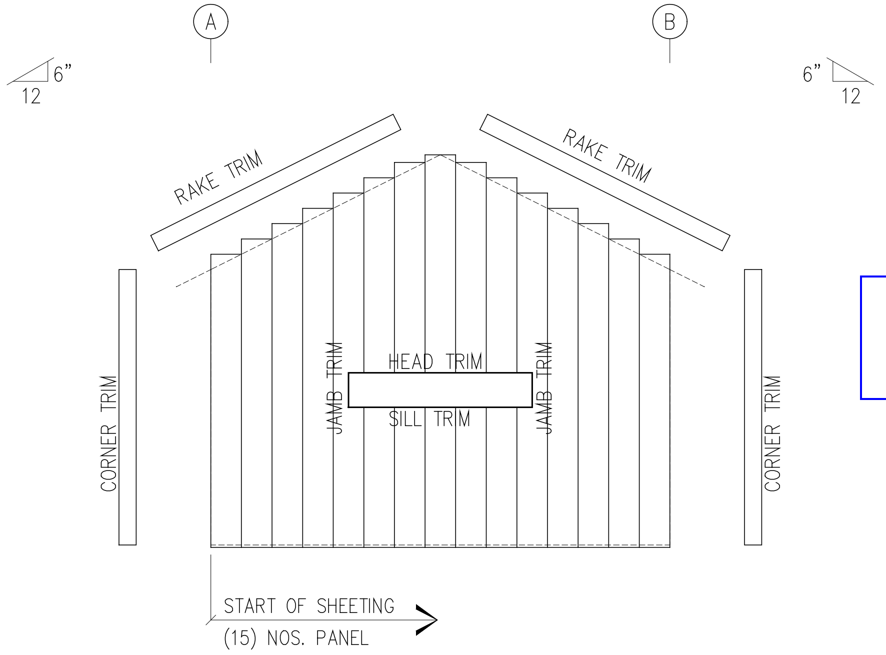
ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI

MEMBER TABLE FRAME LINE 2	
MARK	PART
G-4	8x25C16
G-5	8x25Z16



ENDWALL FRAMING: FRAME LINE 2

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



ENDWALL SHEETING & TRIM: FRAME LINE 2

PANELS: 24GA. MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

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NOTE:
FIELD CUT PANEL TO SUIT ROOF SLOPE.

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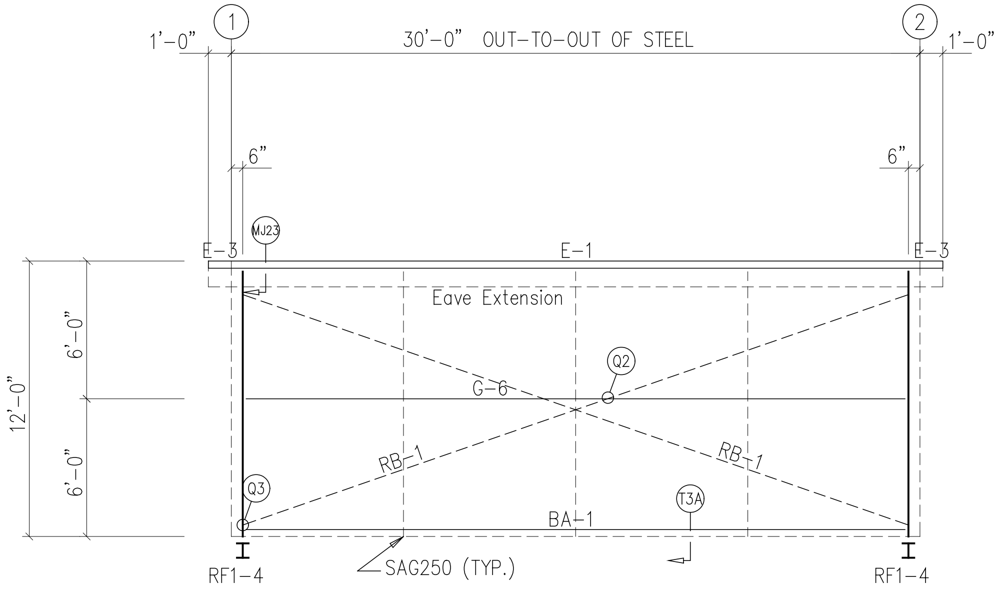
RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

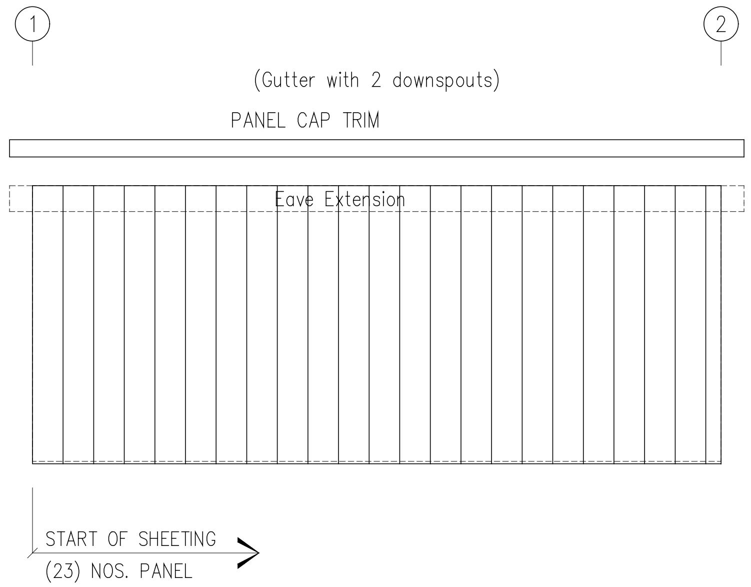
DESCRIPTION	ENDWALL FRAMING, SHEETING & TRIMS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167838	N.T.S.	E04 OF 9	B



SIDEWALL FRAMING: FRAME LINE A

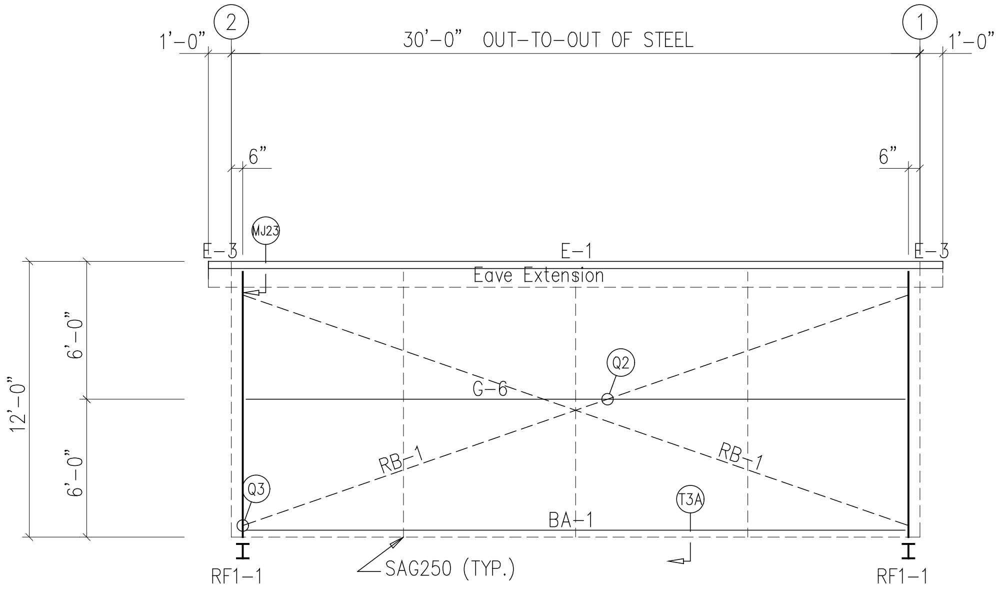
W/ 3" THK. OS WALL INSULATION (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE A

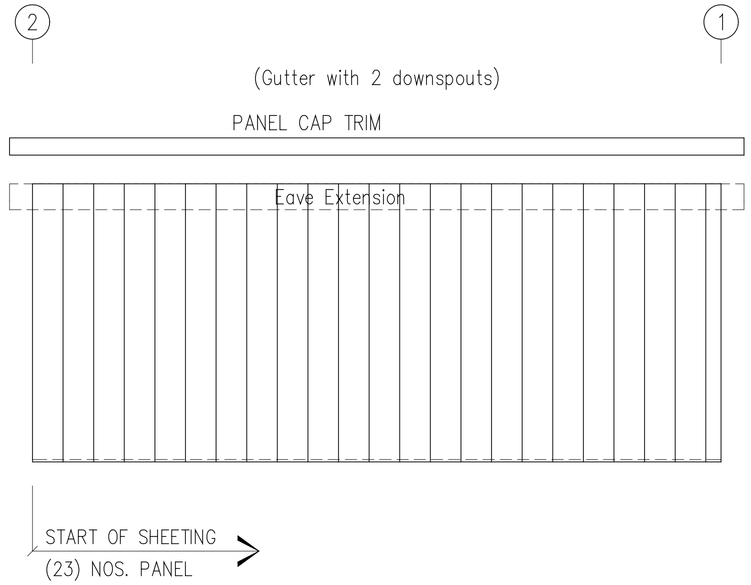
PANELS: 24GA. MBCI DESIGNER SERIES 16" – CHARCOAL GRAY
ALL ROOF TRIMS AS PER MCELROY
ALL WALL TRIMS AS PER MBCI

MEMBER TABLE FRAME LINE A	
MARK	PART
E-1	L8x5x3ES12
E-3	L8x5x3ES12
G-6	8x25Z12
RB-1	RD500



SIDEWALL FRAMING: FRAME LINE B

W/ 3" THK. OS WALL INSULATION (BY OTHERS)



SIDEWALL SHEETING & TRIM: FRAME LINE B

PANELS: 24GA. MBCI DESIGNER SERIES 16" – CHARCOAL GRAY

MEMBER TABLE FRAME LINE B	
MARK	PART
E-1	L8X5X3ES12
E-3	L8X5X3ES12
G-6	8x25Z12
RB-1	RD500

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Phone : (281) 443-9065
Fax : (281) 443-9064

DESCRIPTION	SIDEWALL FRAMING, SHEETING & TRIM		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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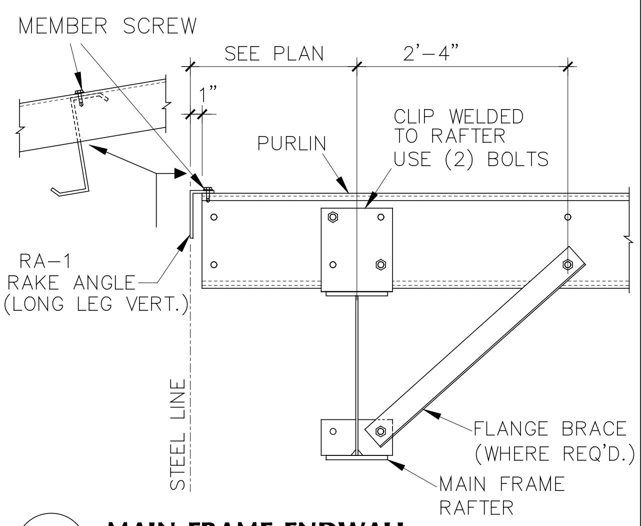
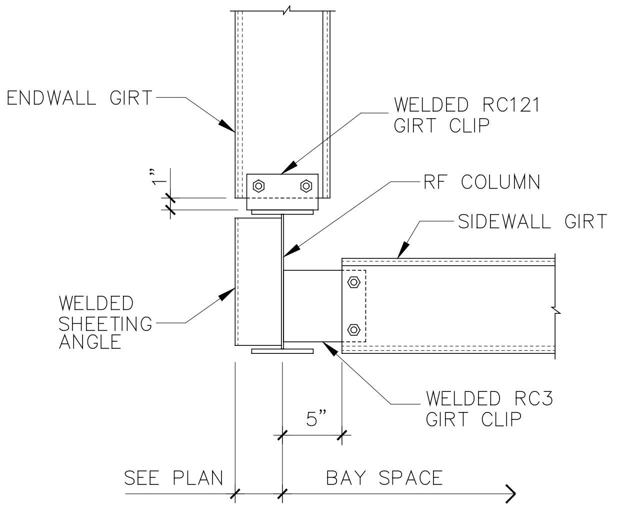
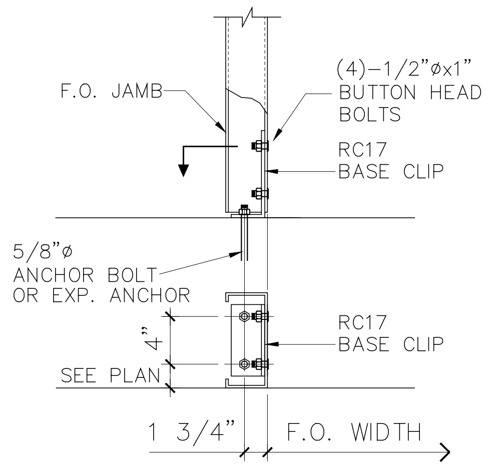

MEMBER SCREW
SEE PLAN
2'–4"
1"
PURLIN
CLIP WELDED TO RAFTER USE (2) BOLTS
RA–1 RAKE ANGLE (LONG LEG VERT.)
STEEL LINE
FLANGE BRACE (WHERE REQ'D.)
MAIN FRAME RAFTER

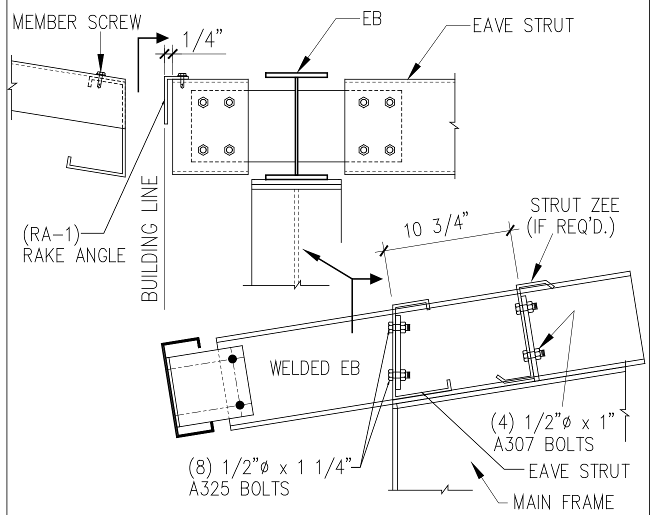
A10
MAIN FRAME ENDWALL
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



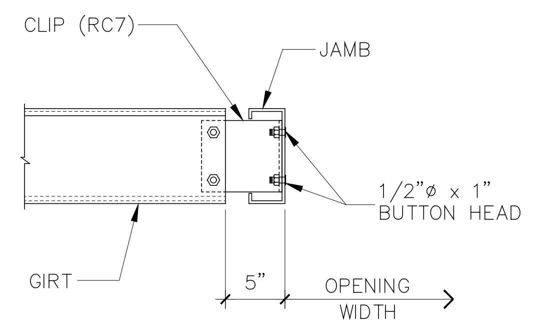
D13
RF CORNER COLUMN TO WALL GIRT
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



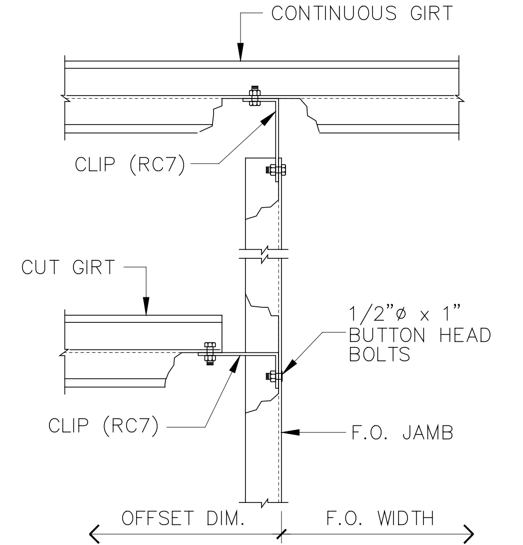
E6
"FO" JAMB BASE DETAIL
WITH BOLTED BASE CLIP



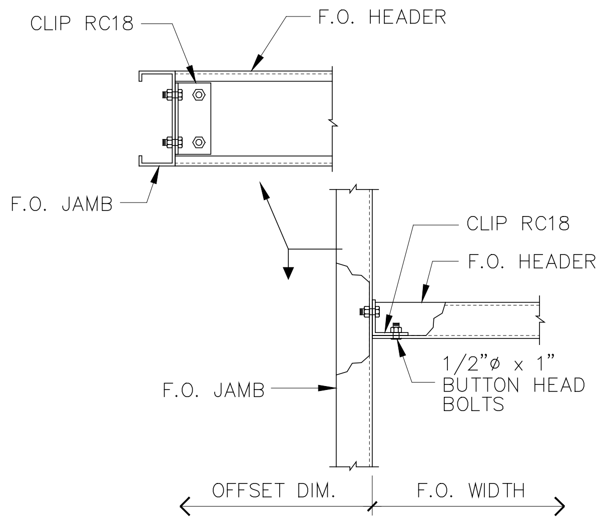
MJ23
LOW EAVE DETAIL (FLUSH CONDITION)
AT END FRAME



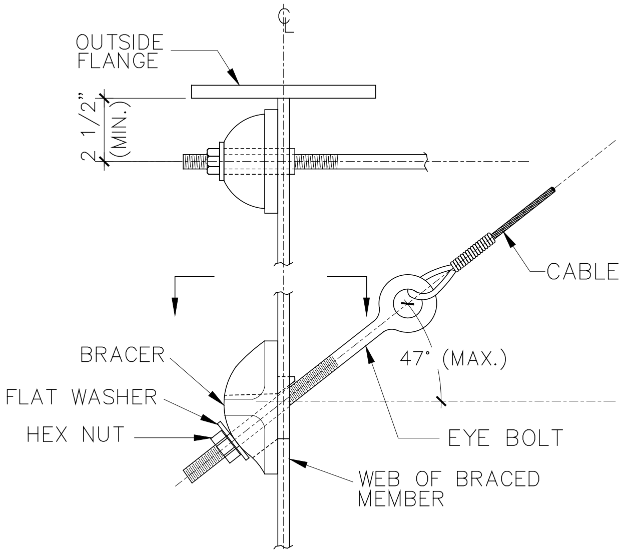
K2
GIRT TO FRAMED OPENING JAMB
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



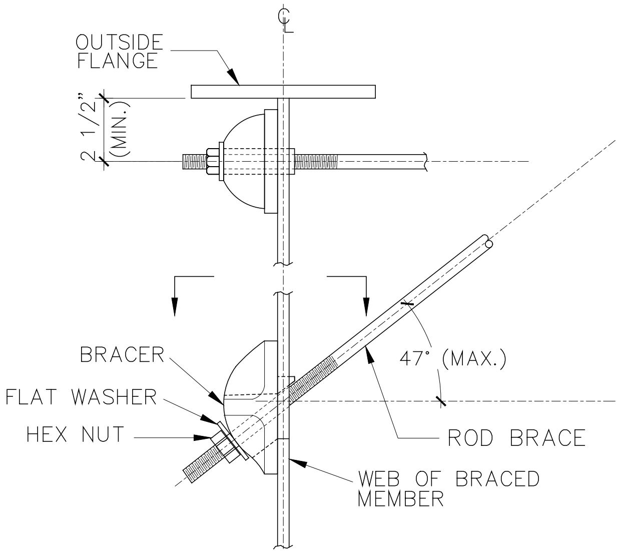
L6
F.O. JAMB TO GIRT
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



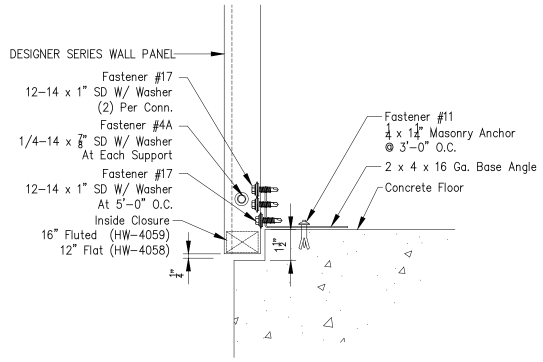
M1
F.O. HEADER TO F.O. JAMB
ALL BOLTS ARE 1/2"ø x 1" A307 U.N.



Q2
CABLE BRACE CONNECTION DETAIL

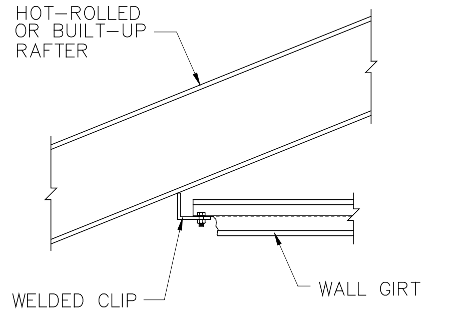


Q3
ROD BRACE CONNECTION DETAIL


DESIGNER SERIES WALL PANEL
Fastener #17 12–14 x 1" SD W/ Washer (2) Per Conn.
Fastener #4A 1/4–14 x 7/8" SD W/ Washer At Each Support
Fastener #17 12–14 x 1" SD W/ Washer At 5'–0" O.C.
Inside Closure 16" Fluted (HW–4059) 12" Flat (HW–4058)
1/4"
1 1/2"
Fastener #11 1/4 x 1 1/4" Masonry Anchor @ 3'–0" O.C.
2 x 4 x 16 Ga. Base Angle
Concrete Floor

NOTE:
METAL WALL SHEETS SHALL BE SET 1/4" ABOVE CONC. NOTCH. METAL SHEETS SHOULD NOT TOUCH THE CONC. NOTCH, WHICH WOULD VOID THE WARRANTY.

T3A
DETAIL BASE w/ NOTCH
ID T3_NOTCH; NO TRIM-ANGLE-NOTCH



W11
ENDWALL GIRT TO RAFTER CONECTION
ALL BOLTS ARE 1/2"ø x 1" A307

REGISTERED PROFESSIONAL ENGINEER
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CIVIL
STATE OF CALIFORNIA

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RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443–9065
Fax : (281) 443–9064

DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

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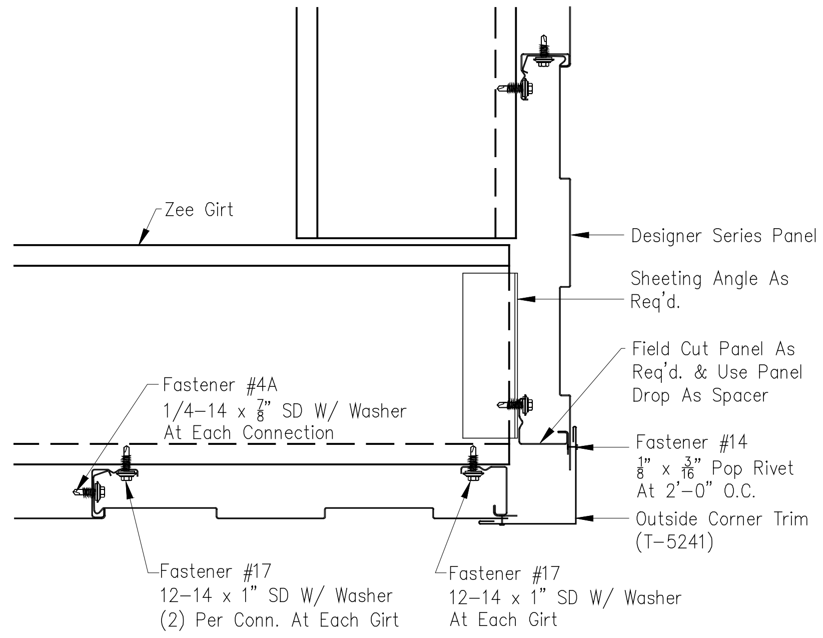
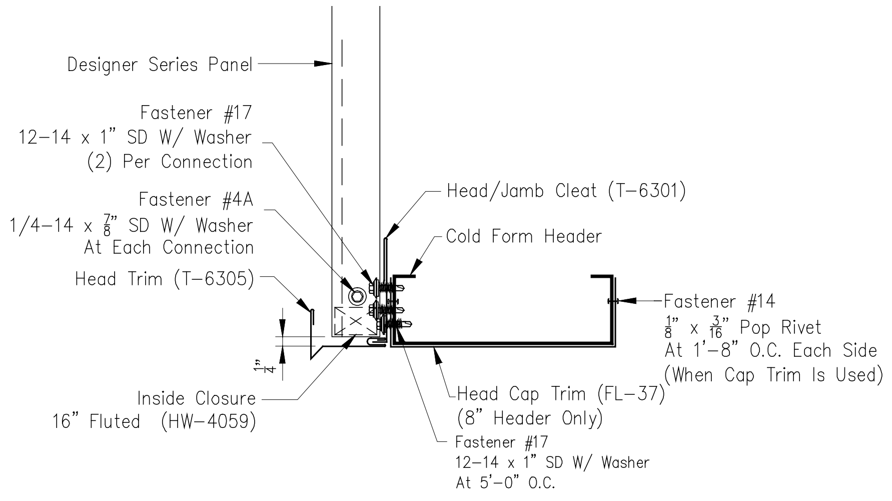
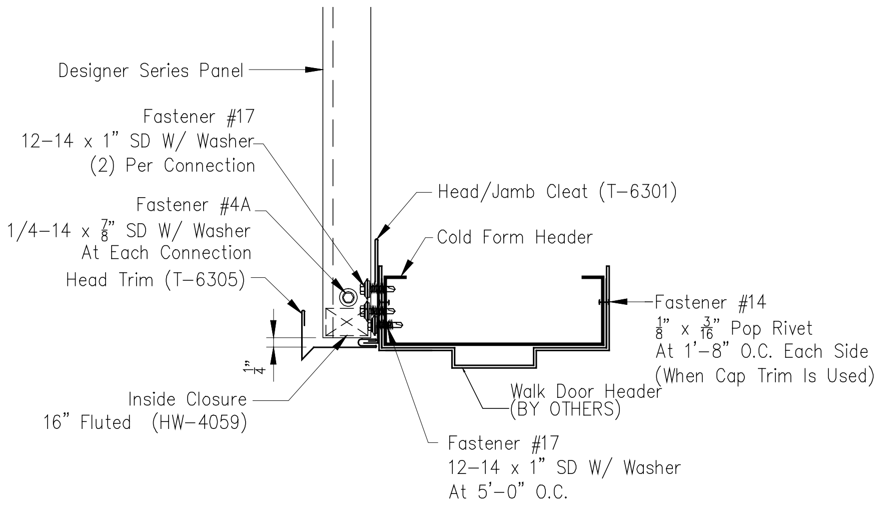


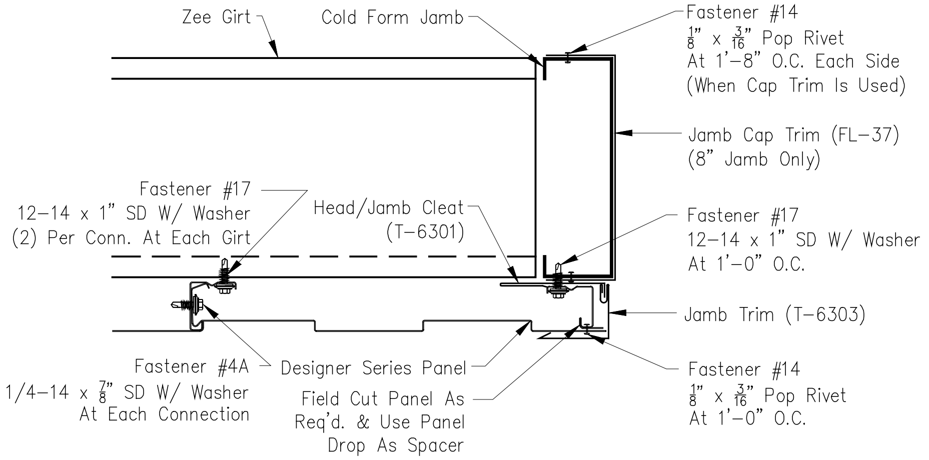
AA OUTSIDE CORNER DETAIL FINISHING IN HIGH



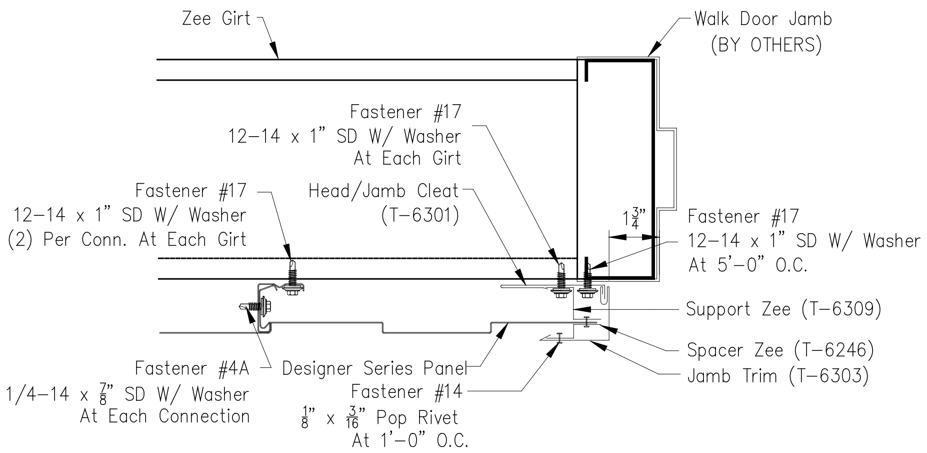
BB F.O. HEADER



FOR WALKDOOR F.O. HEADER



CC F.O. JAMB



WALKDOOR JAMB

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ALL TRIMS AS PER MBCI

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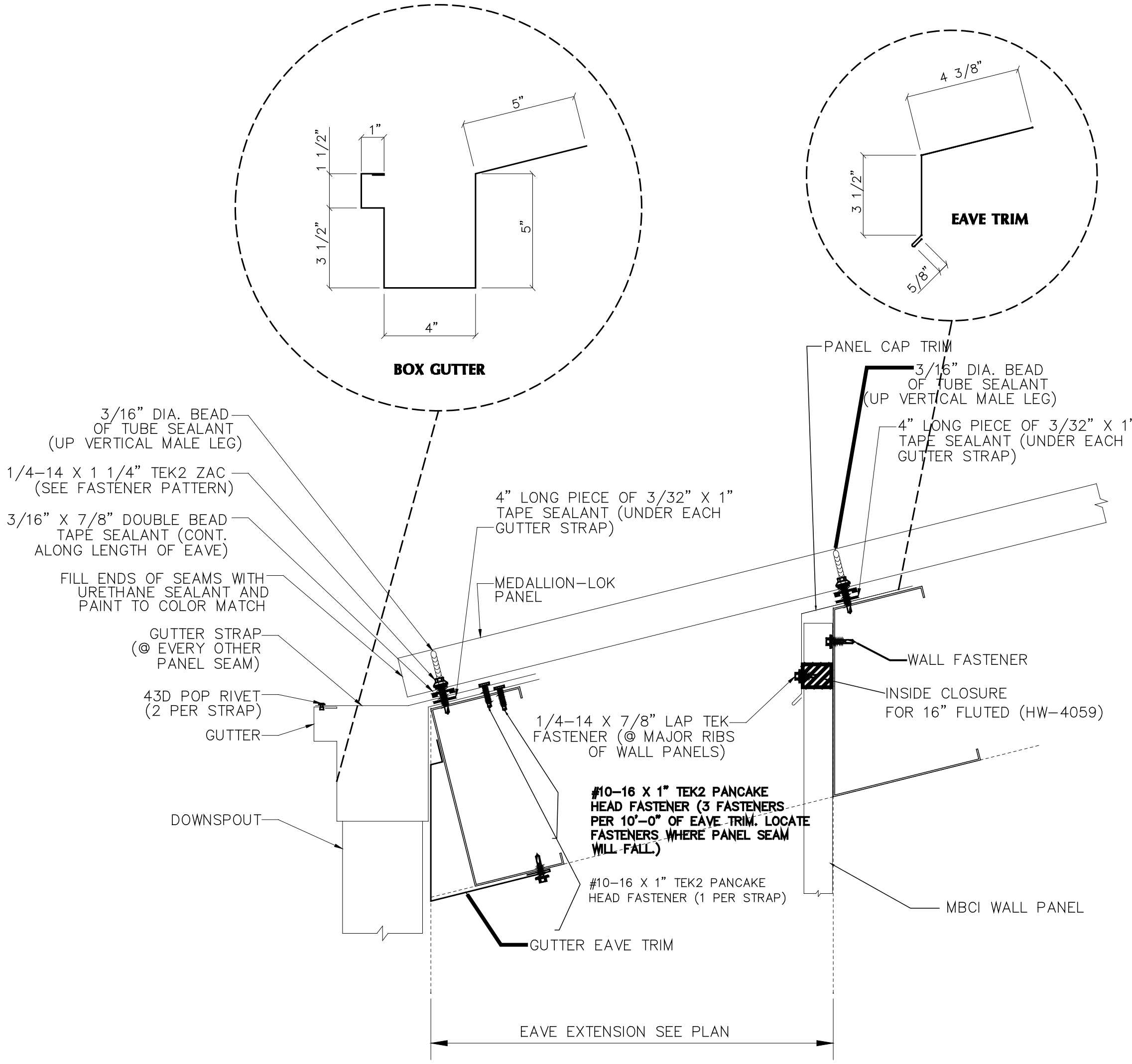
Phone : (281) 443–9065
Fax : (281) 443–9064

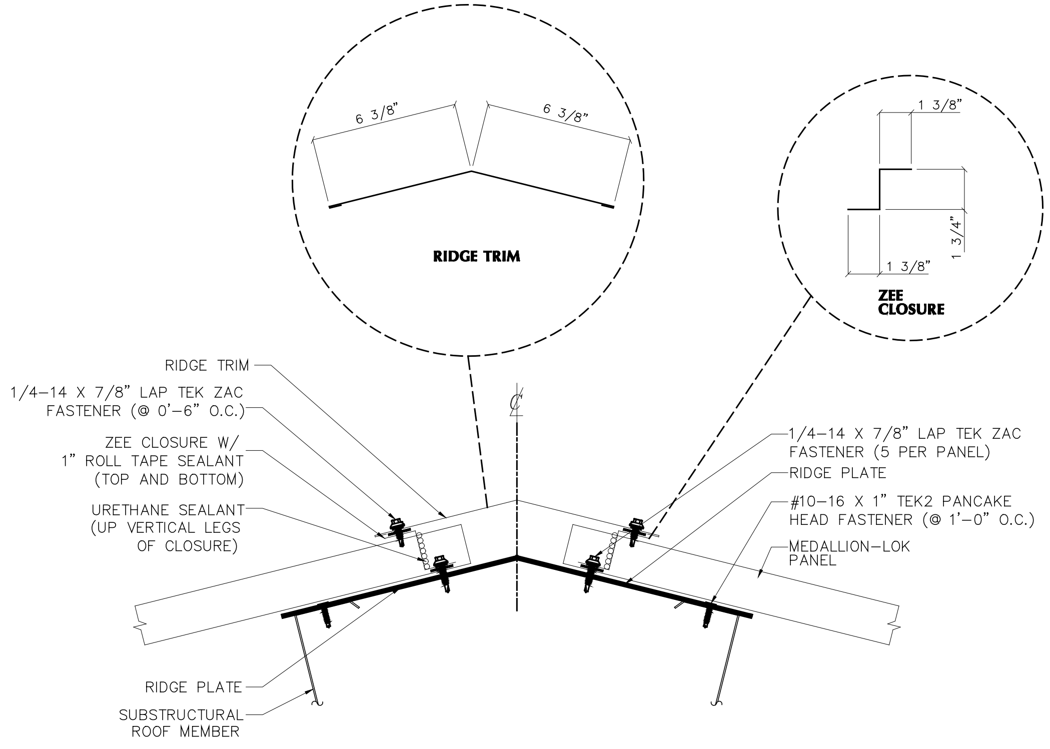
DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE	DWG. NO.	ISSUE
75886	167838	N.T.S.	E07 OF 9	B

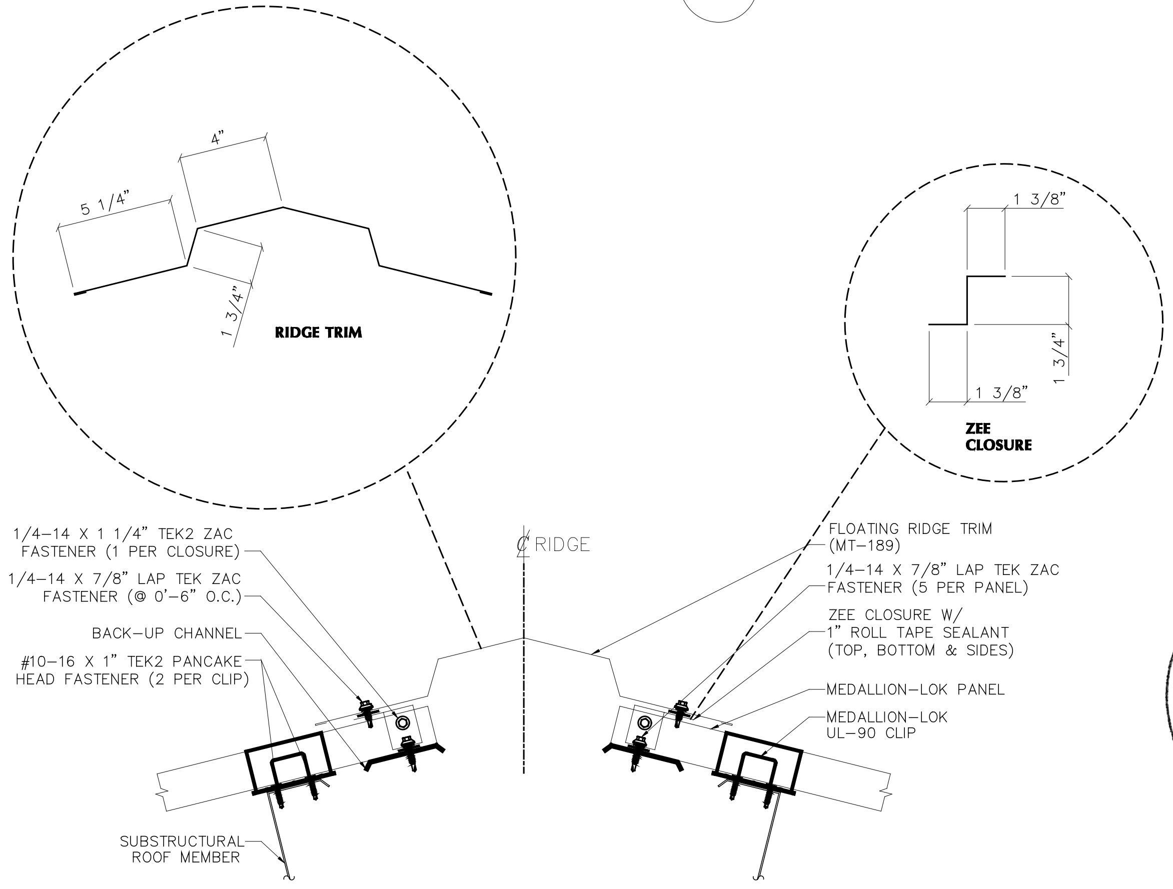
USE MCELROY STANDARDS


BOX GUTTER
1"
1 1/2"
5"
3 1/2"
5"
4"
EAVE TRIM
4 3/8"
3 1/2"
5/8"
3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
1/4-14 X 1 1/4" TEK2 ZAC (SEE FASTENER PATTERN)
3/16" X 7/8" DOUBLE BEAD TAPE SEALANT (CONT. ALONG LENGTH OF EAVE)
FILL ENDS OF SEAMS WITH URETHANE SEALANT AND PAINT TO COLOR MATCH
GUTTER STRAP (@ EVERY OTHER PANEL SEAM)
43D POP RIVET (2 PER STRAP)
GUTTER
DOWNSPOUT
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
MEDALLION-LOK PANEL
1/4-14 X 7/8" LAP TEK FASTENER (@ MAJOR RIBS OF WALL PANELS)
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (3 FASTENERS PER 10'-0" OF EAVE TRIM. LOCATE FASTENERS WHERE PANEL SEAM WILL FALL.)
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (1 PER STRAP)
GUTTER EAVE TRIM
PANEL CAP TRIM
3/16" DIA. BEAD OF TUBE SEALANT (UP VERTICAL MALE LEG)
4" LONG PIECE OF 3/32" X 1" TAPE SEALANT (UNDER EACH GUTTER STRAP)
WALL FASTENER
INSIDE CLOSURE FOR 16" FLUTED (HW-4059)
MBCI WALL PANEL
EAVE EXTENSION SEE PLAN

AE2 **EAVE W/ GUTTER DETAIL**


6 3/8"
6 3/8"
RIDGE TRIM
1 3/8"
1 3/4"
1 3/8"
ZEE CLOSURE
℄
RIDGE TRIM
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 0'-6" O.C.)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP AND BOTTOM)
URETHANE SEALANT (UP VERTICAL LEGS OF CLOSURE)
RIDGE PLATE
SUBSTRUCTURAL ROOF MEMBER
1/4-14 X 7/8" LAP TEK ZAC FASTENER (5 PER PANEL)
RIDGE PLATE
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ 1'-0" O.C.)
MEDALLION-LOK PANEL

BE2 **FIXED RIDGE DETAIL**


4"
5 1/4"
1 3/4"
RIDGE TRIM
1 3/8"
1 3/4"
1 3/8"
ZEE CLOSURE
℄ RIDGE
1/4-14 X 1 1/4" TEK2 ZAC FASTENER (1 PER CLOSURE)
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 0'-6" O.C.)
BACK-UP CHANNEL
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (2 PER CLIP)
SUBSTRUCTURAL ROOF MEMBER
FLOATING RIDGE TRIM (MT-189)
1/4-14 X 7/8" LAP TEK ZAC FASTENER (5 PER PANEL)
ZEE CLOSURE W/ 1" ROLL TAPE SEALANT (TOP, BOTTOM & SIDES)
MEDALLION-LOK PANEL
MEDALLION-LOK UL-90 CLIP

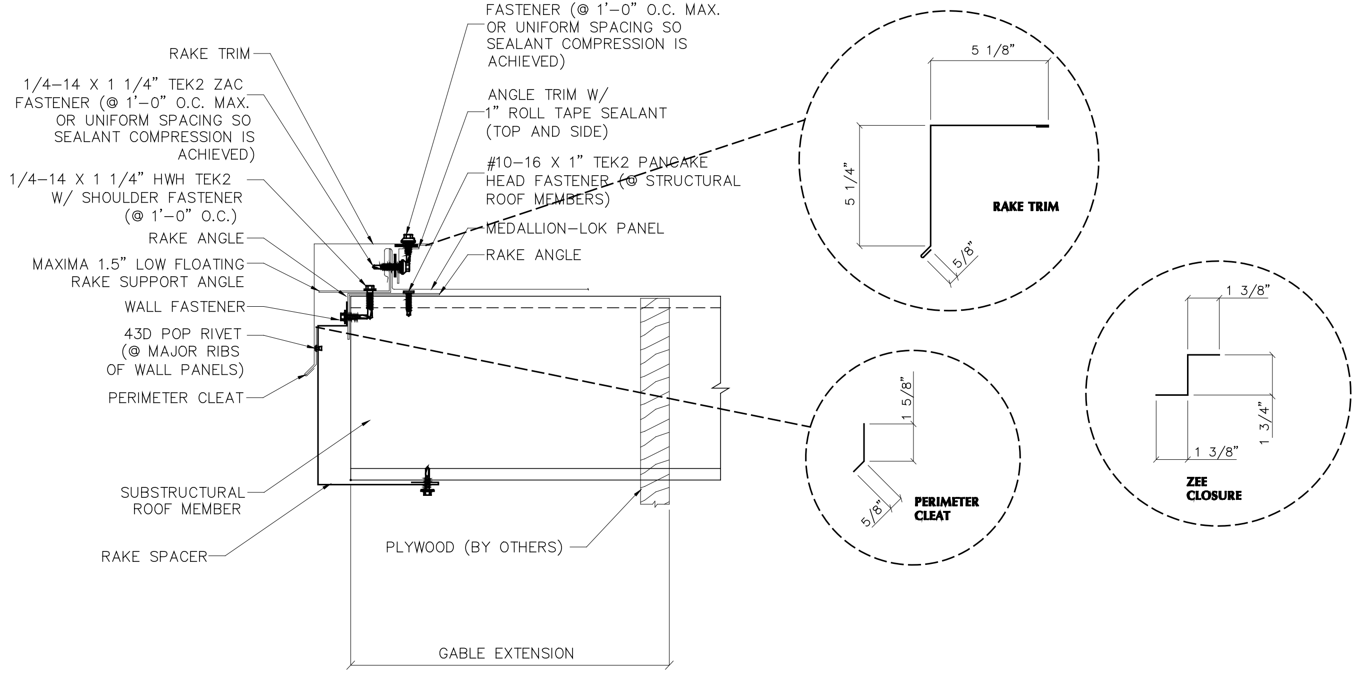
USE MCELROY STANDARDS

FOR
PERMIT

CHAO CHI
C 83009
EXP 09/30/2024
CIVIL

BE2 **FLOATING RIDGE DETAIL**

USE MCELROY STANDARDS


RAKE TRIM
1/4-14 X 1 1/4" TEK2 ZAC FASTENER (@ 1'-0" O.C. MAX. OR UNIFORM SPACING SO SEALANT COMPRESSION IS ACHIEVED)
1/4-14 X 1 1/4" HWH TEK2 W/ SHOULDER FASTENER (@ 1'-0" O.C.)
RAKE ANGLE
MAXIMA 1.5" LOW FLOATING RAKE SUPPORT ANGLE
WALL FASTENER
43D POP RIVET (@ MAJOR RIBS OF WALL PANELS)
PERIMETER CLEAT
SUBSTRUCTURAL ROOF MEMBER
RAKE SPACER
1/4-14 X 7/8" LAP TEK ZAC FASTENER (@ 1'-0" O.C. MAX. OR UNIFORM SPACING SO SEALANT COMPRESSION IS ACHIEVED)
ANGLE TRIM W/ 1" ROLL TAPE SEALANT (TOP AND SIDE)
#10-16 X 1" TEK2 PANCAKE HEAD FASTENER (@ STRUCTURAL ROOF MEMBERS)
MEDALLION-LOK PANEL
RAKE ANGLE
PLYWOOD (BY OTHERS)
GABLE EXTENSION
5 1/8"
5 1/4"
5/8"
RAKE TRIM
1 5/8"
5/8"
PERIMETER CLEAT
1 3/8"
1 3/4"
1 3/8"
ZEE CLOSURE

CE2 **FLOATING RAKE DETAIL**

SEALING OF THIS DRAWING DOES NOT IMPLY OR CONSTITUTE THAT RIGID GLOBAL ENGINEER IS THE ENGINEER OF RECORD OR THE DESIGN PROFESSIONAL FOR THIS PROJECT. ONLY THE DESIGN OF THE METAL BUILDING SYSTEM AS FURNISHED BY RIGID IS INCLUDED. FOUNDATION ANALYSIS, ELECTRICAL, AND MECHANICAL SYSTEMS, AND/OR OTHER PARTS SUPPLIED BY ANYONE OTHER THAN RIGID ARE SPECIFICALLY EXCLUDED. NO INSPECTION OR SUPERVISION IS IMPLIED.

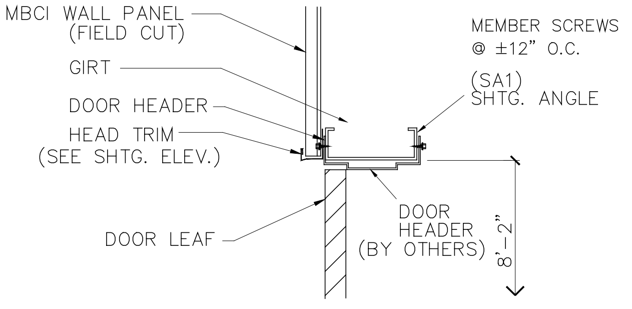
ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

RIGID
GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
Phone : (281) 443-9065
Fax : (281) 443-9064

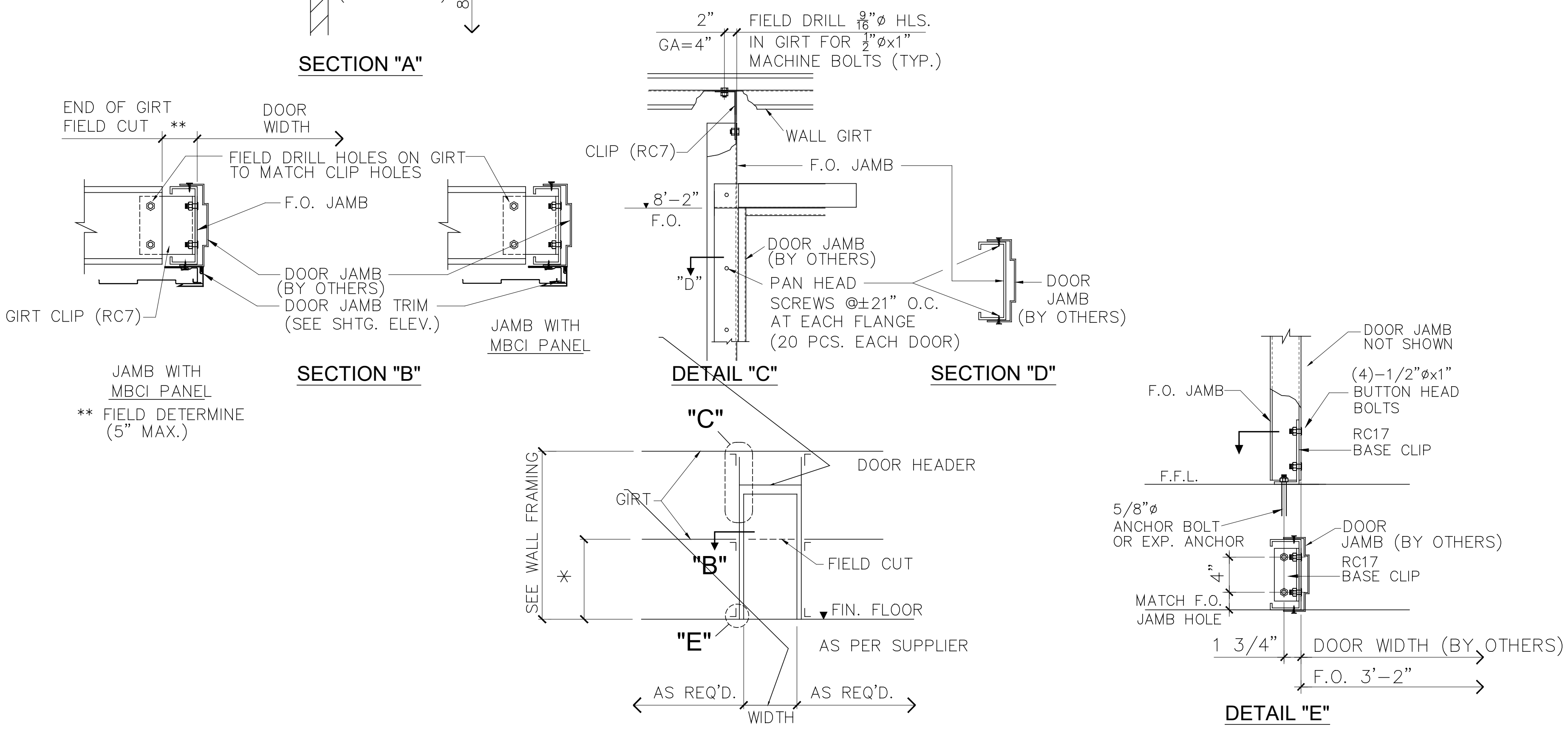
DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
END USER	HAVEN VINEYARDS		
END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.:	JOB NO.:	SCALE:	DWG. NO.:	ISSUE:
75886	167838	N.T.S.	E08 OF 9	B

NOTES:
1. DETAIL SHOWN IS FOR FIELD LOCATE WALKDOOR F.O. JAMBS & HEADERS ONLY
2. INSTALLATION OF WALKDOOR IS FOR REFERENCE ONLY, PROPER PROCEDURE PROVIDED BY THE DOOR SUPPLIER MUST GOVERN.


MBCI WALL PANEL (FIELD CUT)
GIRT
DOOR HEADER
HEAD TRIM (SEE SHTG. ELEV.)
DOOR LEAF
MEMBER SCREWS @ ±12" O.C.
(SA1) SHTG. ANGLE
DOOR HEADER (BY OTHERS)
8'-2"

SECTION "A"



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TYPICAL WALK DOOR DETAIL WITH FRAMED OPENING

CHAO CHI
C 83009
EXP 09/30/2024

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FOR
PERMIT

ISSUE	DESCRIPTION	DATE	DRN.	CHK.	DES.
A	APPROVAL/PERMIT	01/10/24	RBM	FLT	RDL
B	RE-APPROVAL/PERMIT	02/26/24	FFF	RCR	RDL

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GLOBAL BUILDINGS
18933 Aldine Westfield
Houston, Tx. 77073
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DESCRIPTION	DETAIL DRAWINGS		
CUSTOMER	SEMPER FI STEEL BUILT LLC		
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END USE	WINE TASTING ROOM, BATHROOMS & STORAGE	BUILDING	C
STREET	41625 CAMINO DEL VINO		
CITY ST ZIP	TEMECULA, CA 92592		

SALES NO.	JOB NO.	SCALE:	DWG. NO.	ISSUE:
75886	167838	N.T.S.	E09 OF 9	B

CONTRACTOR NOTE:

THE CONTRACTOR AND SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS ON THE DRAWINGS AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION LAYOUT. NO ALLOWANCE SHALL BE GIVEN TO THE CONTRACTORS OR SUB-CONTRACTORS FOR CHANGES RESULTING FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.

HVAC NOTES:

1. AUTOMATIC SHUTOFF IS NOT REQUIRED WHERE OCCUPIED ROOMS SERVED BY THE AIR-HANDLING EQUIPMENT THAT IS 2000 CFM OR ABOVE, HAVE DIRECT EXIT TO THE EXTERIOR AND THE TRAVEL DISTANCE DOES NOT EXCEED 100 FEET.
2. FLEXIBLE DUCT WILL NOT BE GREATER THAN 5' IN LENGTH.

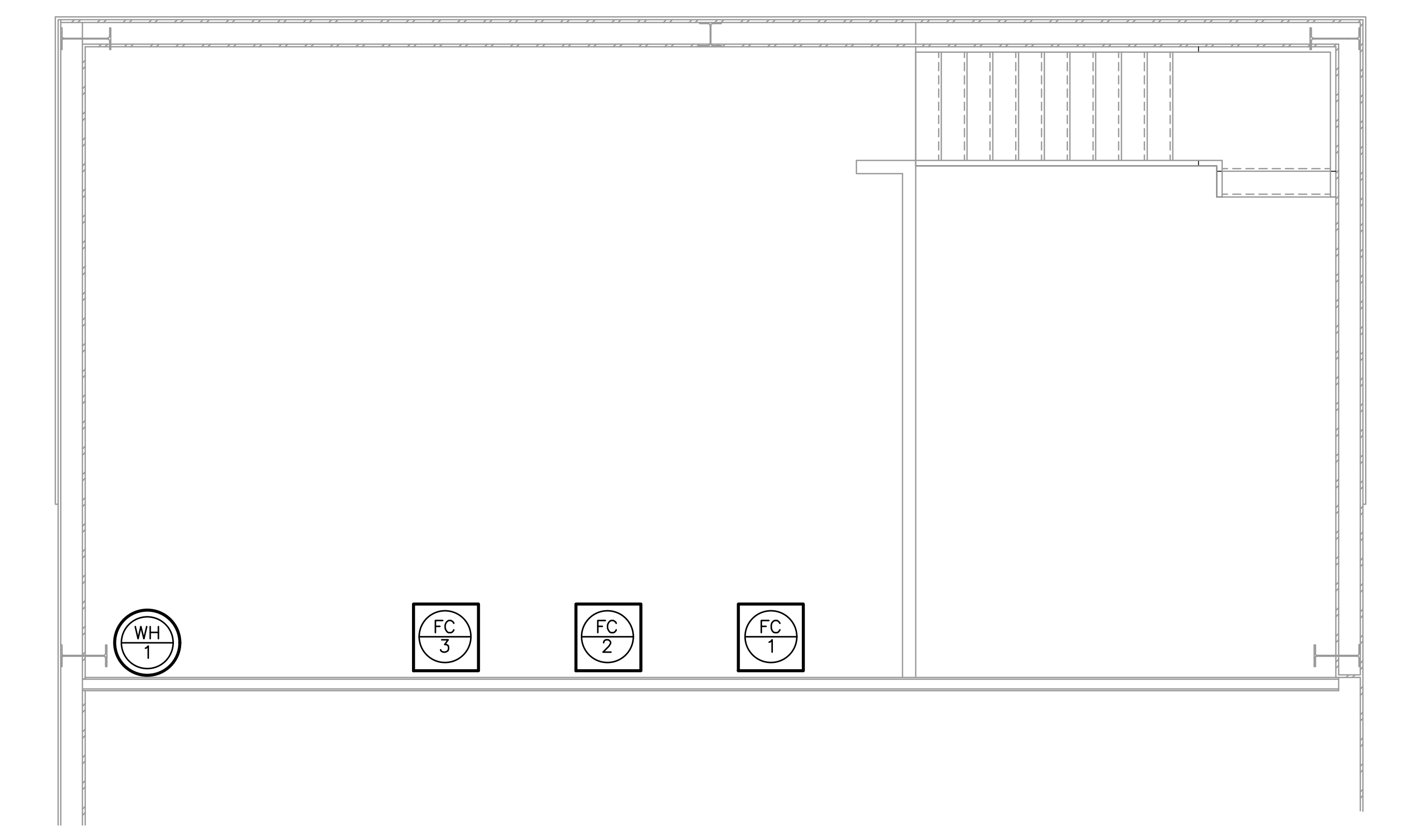
CONSTRUCTION NOTES:

① 3/4" CONDENSATE DRAIN FROM FAN COIL UNITS, SLOPE AT 1%, 3/4" DOWN WALL TO SINK TAIL PIECE W/ APPROVED FITTING.

OUTSIDE AIR CALCULATIONS:

FC 1 & 2

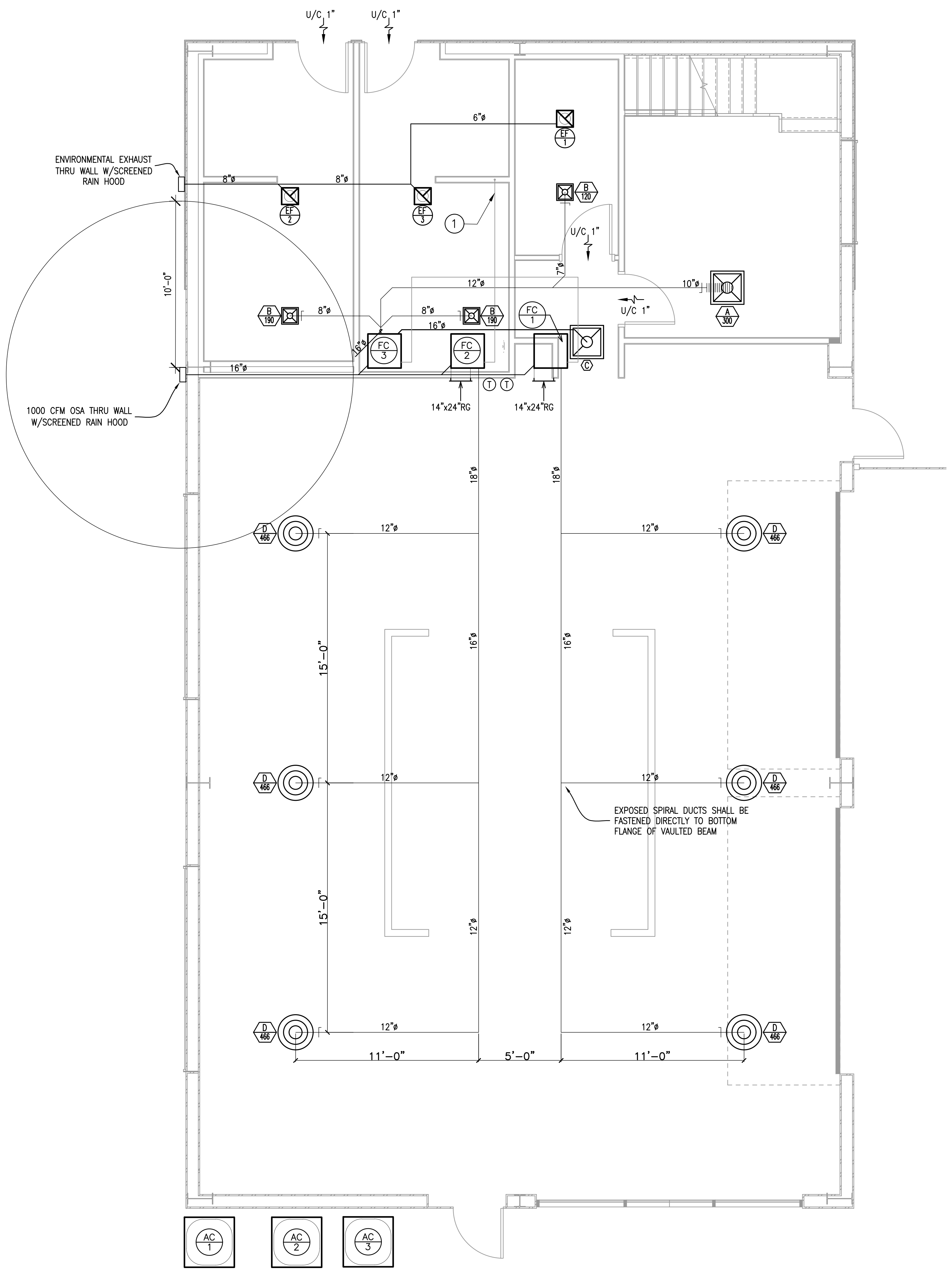
TASTING ROOM 2000 SF/15 OLF	=	133 OCC
133 OCC x 7.5 CFM/OCC	=	1000 CFM
OR 2000 SF x 0.5 CFM/SF	=	1000 CFM



BLDG A MEZZANINE PLAN

UNCONDITIONED

1/4" = 1'-0"



BLDG A HVAC PLAN

1/4" = 1'-0"

PROJECT NORTH

Gary Formoe, Principal
Murrieta, CA 92562
Phone (909) 518-5736
formoedesign@gmail.com

4MO DESIGN

BRUCE JOSEPH MANNING
C 38456
EXP. 03/31/27
CIVIL
14 MAR 2025

Project:

WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:

BLDG A
HVAC PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/7/2024
Revision:

Sheet no.:

M1.1

CONTRACTOR NOTE:

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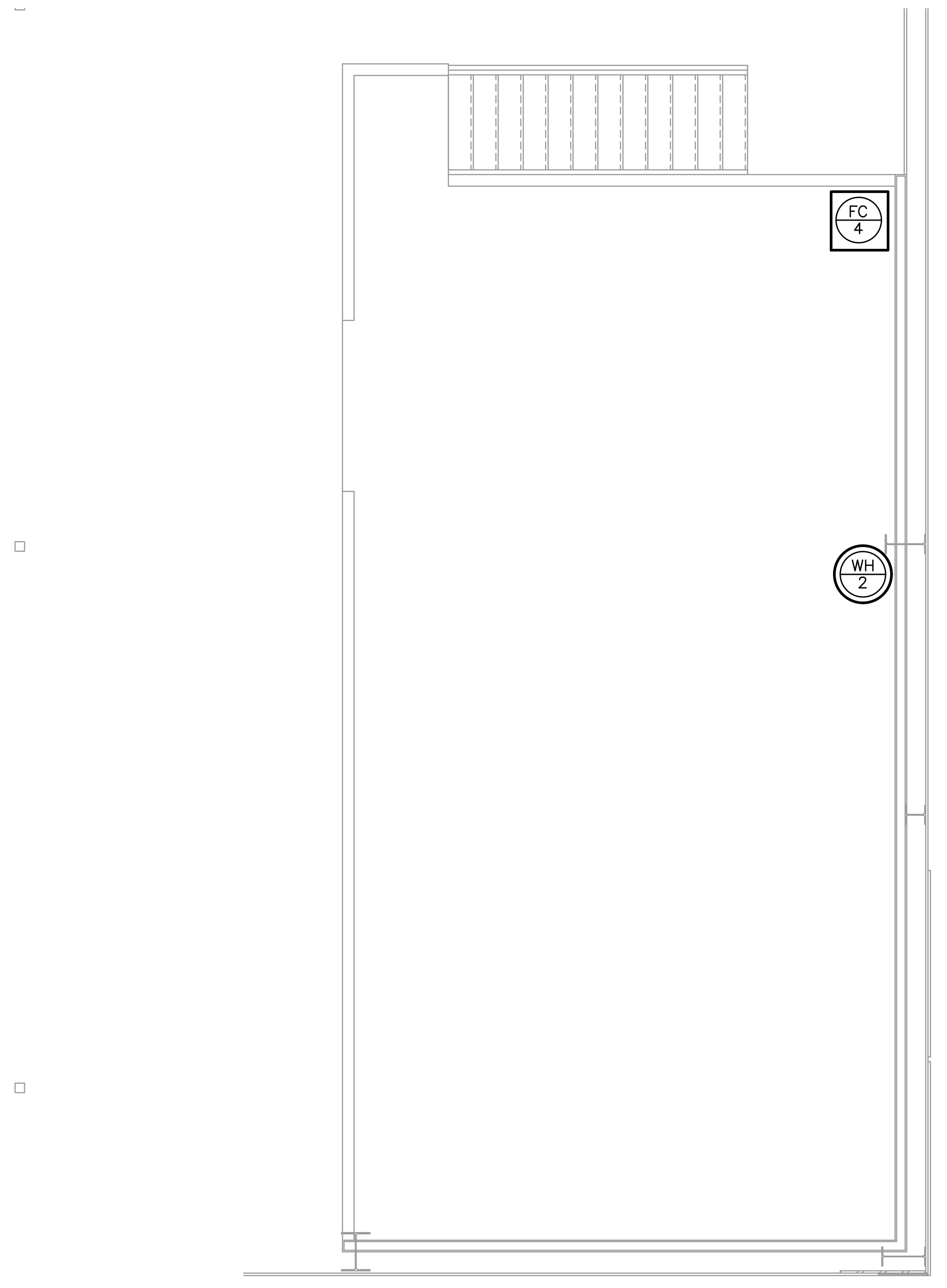
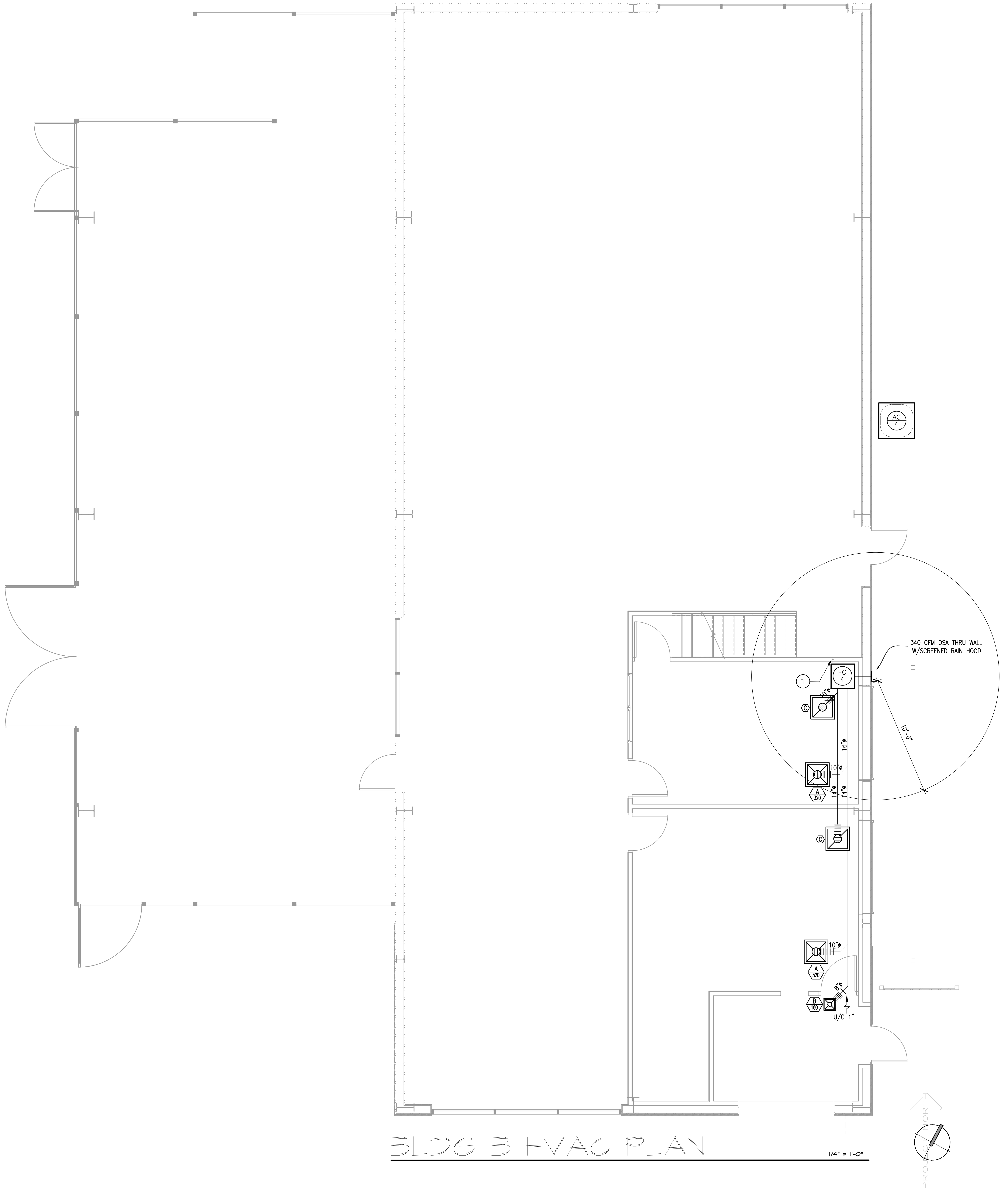
2. FLEXIBLE DUCT WILL NOT BE GREATER THAN 5' IN LENGTH.

CONSTRUCTION NOTES:

① 3/4" CONDENSATE DRAIN FROM FAN COIL UNITS, SLOPE AT 1%, 3/4" DOWN WALL TO SINK TAIL PIECE W/ APPROVED FITTING.



BLDG B MEZZ. 1/4" = 1'-0"



BLDG B HVAC PLAN 1/4" = 1'-0"

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Murrieta, CA 92562
Phone (909) 518-5736
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4MO DESIGN

BRUCE JOSEPH MANNING
C 38456
EXP. 03/31/27
CIVIL

14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
BLDG B
HVAC PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/7/2024
Revision:
3 Plan Check 11/11/2024

Sheet no.:
M1.2

HVAC GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL HEATING, VENTILATING, AND AIR CONDITIONING SYSTEM PER THESE CONTRACT DOCUMENTS.
2. ALL MECHANICAL EQUIPMENT AND INSTALLATIONS SHALL CONFORM WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE CALIFORNIA MECHANICAL CODE, THE CALIFORNIA ENERGY CODE, NFPA 90A, 96, 101 AND ALL APPLICABLE LOCAL CODES AND ORDINANCES.
3. PRIOR TO PURCHASING ANY MATERIALS OR STARTING ANY WORK, CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, DUCTWORK SIZES AND LOCATIONS, EQUIPMENT, ETC. SHOWN ON THE DRAWINGS OR AFFECTING THIS WORK AND SHALL REPORT ANY DEVIATIONS TO THE ARCHITECT.
4. SHOP DRAWINGS SHALL BE SUBMITTED TO AND APPROVED BY THE ARCHITECT PRIOR TO ORDERING, PURCHASING, OR FABRICATING ANY MECHANICAL EQUIPMENT. SHOP DRAWINGS SHALL INCLUDE: ALL EQUIPMENT SCHEDULED OR SPECIFIED ON THE DRAWINGS; DUCTWORK DRAWN TO 1/4" SCALE OR THE SCALE SHOWN ON THE DRAWINGS; REFRIGERANT PIPING AND CONTROL WIRING SCHEMATICS APPROVED BY THE AIR CONDITIONING EQUIPMENT MANUFACTURER.
5. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS, AND SHALL FURNISH EQUIPMENT WIRED FOR THE VOLTAGES SHOWN THEREIN.
6. ALL MECHANICAL EQUIPMENT REQUIRING ELECTRICAL POWER SHALL BE INSTALLED WITH DISCONNECT SWITCHES AT EACH PIECE OF EQUIPMENT. COORDINATE SWITCH TYPE WITH EQUIPMENT CHARACTERISTICS AND ELECTRICAL DRAWINGS.
7. ALL REQUIRED CONTROL WIRING NOT SHOWN ON THE ELECTRICAL DRAWINGS SHALL BE INCLUDED AS PART OF THE MECHANICAL WORK.
8. UNLESS NOTED OTHERWISE, STARTERS, SMOKE DETECTORS, TRANSFORMERS, CONTROLS AND CONTROL WIRING REQUIRED FOR ALL MECHANICAL SYSTEMS SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR.
9. ALL FANS SUPPLYING MORE THAN 2000 CFM OF AIR TO ANY SPACE AND ALL RECIRCULATING FAN SYSTEMS SERVING AREAS OF EGRESS SHALL BE INSTALLED WITH A SMOKE DETECTOR IN THE RETURN DUCTWORK. THE SMOKE DETECTOR SHALL BE WIRED TO STOP THE FAN UPON DETECTION OF SMOKE, AND SIGNAL THE BUILDING FIRE ALARM CONTROL PANEL. SMOKE DETECTOR TROUBLE CONDITIONS SHALL BE INDICATED VISUALLY OR AUDIBLY IN A NORMALLY OCCUPIED AREA AND SHALL BE IDENTIFIED AS AIR DUCT DETECTOR TROUBLE.
10. ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
11. ALL MECHANICAL EQUIPMENT AND SYSTEMS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE BY OWNER.
12. ALL HVAC COMPRESSORS SHALL HAVE EXTENDED 5-YEAR MANUFACTURER'S WARRANTY.
13. SUPPLY, RETURN AND EXHAUST DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL AS RECOMMENDED IN SMACNA LOW PRESSURE DUCT CONSTRUCTION STANDARDS, LATEST EDITION. ALL JOINTS AND SEAMS SHALL BE SEALED WITH DUCT SEALER.
14. SUPPLY AND RETURN DUCTWORK IN NON-AIR CONDITIONED AREAS SHALL BE INSULATED WITH 2" THICK FIBERGLASS DUCT INSULATION WITH FOIL VAPOR BARRIER, U.L. LISTED, MINIMUM R-6.
15. ALL DUCTWORK SHALL BE SUPPORTED BY THE BUILDING STRUCTURE AND SHALL NOT REST ON CEILING TILES OR CEILING STRUCTURE. DUCT SUPPORTS AND ATTACHMENT TO STRUCTURE SHALL BE AS PER SMACNA STANDARDS.
16. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TYPE 3 OR EQUAL, SAME SIZE AS DIFFUSER NECKS, MAXIMUM 5'-0" LONG. FLEXIBLE DUCTWORK SHALL BE INSTALLED AS STRAIGHT AS POSSIBLE, AND SHALL BE ROUTED AND SUPPORTED WITHOUT FORMING CRIMPS OR OTHER AIR FLOW RESTRICTIONS.
17. ROUND AND FLEXIBLE DUCTWORK SHALL BE CONNECTED TO MAIN DUCTS WITH SPIN-IN FITTINGS WITH AIR EXTRACTORS AND BALANCING DAMPERS.
18. DUCTWORK DIMENSIONS SHOWN ON THE DRAWINGS ARE INSIDE CLEAR DIMENSIONS.
19. CONDENSATE FROM ALL AIR CONDITIONING EQUIPMENT SHALL BE TRAPPED AND ROUTED TO THE NEAREST APPROVED LOCATION. CONDENSATE PIPING SHALL BE SCHEDULE 40 PVC CONDENSATE SHALL BE PUMPED IF REQUIRED.
20. AFTER CONSTRUCTION, THE ENTIRE HVAC SYSTEM SHALL BE TESTED, ADJUSTED, AND BALANCED TO DELIVER THE AIR FLOW QUANTITIES SHOWN ON THE DRAWINGS. SUBMIT CERTIFIED TEST AND BALANCE REPORT TO ARCHITECT FOR APPROVAL.
21. ANY EXISTING WALL, FLOOR, OR CEILING SURFACE THAT IS DISTURBED DURING THE COURSE OF THE HVAC WORK SHALL BE REPAIRED TO MATCH NEW AND/OR EXISTING CONDITIONS.
22. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE ARCHITECT.
23. MOUNT THERMOSTATS 42" AFF UNLESS NOTED OTHERWISE.
24. ALL ROOFTOP MOUNTED EQUIPMENT SHALL BE INSTALLED LEVEL ON AND ANCHORED TO MINIMUM 12" HIGH INSULATED ROOF CURBS. CONTRACTOR SHALL COORDINATE ROOF SLOPE AND ACTUAL CURB HEIGHTS WITH ARCHITECTURAL DRAWINGS. ALL REFERENCES TO ROOF HEIGHTS REFER TO HEIGHTS ABOVE FINISHED ROOF SURFACE.
25. LOCATIONS OF GRILLES, REGISTERS, & DIFFUSERS SHOWN ON THE DRAWINGS ARE APPROXIMATE. COORDINATE EXACT LOCATIONS WITH LIGHTS, CEILING GRID, ETC.
26. MANUAL OVER-RIDE CONTROL (EMERGENCY SHUT-DOWN) SWITCHES FOR ALL HVAC UNITS SHALL BE LOCATED IN LOCKING COVER ADJACENT TO FIRE ALARM ANNUNCIATOR PANEL OR OTHER LOCATION APPROVED BY LOCAL AUTHORITY HAVING JURISDICTION.
27. ROOFTOP HVAC UNITS SHALL BE INSTALLED SUCH THAT ROOF DECK IS COMPLETE AND CONTINUOUS UNDER BOTTOMS OF HVAC UNITS, AND SHALL BE CUT ONLY FOR UNIT SUPPLY AND RETURN OPENINGS. SPACE BETWEEN ROOF DECK AND BOTTOM OF ROOFTOP HVAC UNITS (INSIDE OF ROOF CURBS) SHALL BE FILLED WITH HIGH DENSITY ACOUSTICAL INSULATION.
28. MAINTAIN MINIMUM 10'-0" CLEARANCE FROM ROOFTOP UNIT OUTSIDE AIR INTAKES AND ALL EXHAUST OUTLETS, EXHAUST FANS AND PLUMBING VENTS.
29. EXHAUST DUCTS SHALL BE EQUIPPED WITH BACK-DRAFT DAMPERS.
30. IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 13.

MIN. HANGER STRAP SCHEDULE

DUCT SIZE	STRAP SIZE	MAX. SPACING	MAX. LOAD/HANGER
UP TO 10"	1-1/2" x 26 GA.	6'-0"	260 LBS.
11" TO 18"	1-1/2" x 26 GA.	6'-0"	260 LBS.
19" TO 24"	1-1/2" x 26 GA.	6'-0"	260 LBS.
25" TO 36"	1" x 20 GA.	6'-0"	320 LBS.

NOTE: STRAPS AND RODS ARE GALVANIZED STEEL.

DUCT NOTES:

A. RIGID DUCTWORK SHALL BE GALVANIZED STEEL IN COMPLIANCE WITH ANSI/SMACNA 006-2006.
B. FLEXIBLE DUCTWORK SHALL BE FLEXMASTER TYPE 3 OR EQUAL IN COMPLIANCE WITH ANSI/SMACNA 006-2006.
C. DUCTWORK BETWEEN THE T-BAR CEILING AND THE ROOF INSULATION SHALL BE INSULATED WITH MINIMUM R-4.2 INSULATION.

HVAC LEGEND

SYMBOL	DESCRIPTION	ABBREVIATIONS
---	ABOVE FINISHED FLOOR	AFF
---	AIR COMPRESSOR	C
	AIR EXTRACTOR	---
	BACK DRAFT DAMPER	BDD
---	BRAKE HORSEPOWER	BHP
---	BRITISH THERMAL UNIT	BTU
⊠	CEILING DIFFUSER	CD
⧄	CEILING RETURN GRILLE	RAG
A/300	DIFFUSER TYPE "A" BALANCED FOR 300 CFM	A/300
---	DRY BULB	DB
14x12	DUCT SIZE (RECTANGULAR)	---
8"ø	DUCT SIZE (ROUND)	---
---	ENERGY EFFICIENCY RATING	EER
---	ENTERING AIR TEMPERATURE	EAT
EF/1	EQUIPMENT NUMBER DESIGNATION (EF-1)	---
---	EXHAUST FAN	EF
---	EXTERNAL STATIC PRESSURE (IN. W.C.)	ESP
---	FLY FAN	FF
---	HORSEPOWER	HP
---	INCHES WATER COLUMN	IN. W.C.
---	KILOWATT	KW
---	LEAVING AIR TEMPERATURE	LAT
	MANUAL VOLUME DAMPER	MVD
---	THOUSAND BTU/HOUR	MBH
⧄	NEGATIVE PRESSURE DUCT OR OUTLET	---
---	OUTSIDE AIR	O/A
---	PACKAGED ROOFTOP UNIT	RTU
⊠	POSITIVE PRESSURE DUCT OR OUTLET	---
---	RADIANT HEATER	RH
Ⓢ	REMOTE TEMPERATURE SENSOR	---
---	RETURN AIR	R/A
---	SEASONAL ENERGY EFFICIENCY RATING	SEER
⬢	SMOKE DETECTOR	SD
	SPIN IN FITTING W/ DAMPER & FLEX DUCTWORK	---
---	SUPPLY AIR	S/A
Ⓣ	THERMOSTAT	T'STAT
---	UNDERCUT (DOOR) 1"	U/C 1"
---	UNIT HEATER	UH
---	WALL LOUVER	WL
---	WET BULB	WB

SCHEDULE – FAN COIL

TAG	MODEL No.	TOTAL CFM	O.A. CFM	MIN. ESP	FAN BHP	TOT. HEAT MBH	HSPF HEAT	VOLTS	MCA	NOTES
FC-1,2	FJMA4X48L0CB	1643	500	0.60"	0.75	46.5	7.5	208-1	7.6	1
FC-3	FJMA4X24L0BC	873	90	0.60"	0.33	23.6	7.5	208-1	3.6	1
FC-4	FJMA4X30L0BB	1082	340	0.60"	0.50	28.6	7.5	208-1	5.3	1

SELECTIONS ARE BASED ON PRODUCTS BY DAY AND NIGHT.
EQUAL PRODUCTS: CARRIER, YORK/JCI, TRANE, GOODMAN.

NOTES:
1. PROGRAMMABLE THERMOSTAT.

SCHEDULE – CONDENSER UNIT

TAG	MODEL No.	NOM. TONS	MBH TOT. COOL	SEER/EER COOL	VOLTS	MCA	MOCP	NOTES
AC-1,2	N4H5S48AKAAA	4	46.0	14/12	208-1	32.8	50	1
AC-3	N4H5S24AKAAA	2	23.6	15/12.5	208-1	14.5	25	1
AC-4	N4H5S30AKAAA	2.5	28.4	14/12	208-1	18.2	30	1

SELECTIONS ARE BASED ON PRODUCTS BY DAY AND NIGHT.
EQUAL PRODUCTS: CARRIER, YORK/JCI, TRANE, GOODMAN.

NOTES:
1. 3" HIGH AIR CONDITIONER PAD.

SCHEDULE – FANS

TAG	MODEL	DUTY	CFM	SONES	E.S.P.	MOTOR SIZE	DRIVE	WEIGHT (Lb)	ENERGY STAR	ACCESSORIES
EF-1	L100	EXHAUST	117	1.0	0.10"	0.75 AMP	DIRECT	22.8	NO	1,2,3
EF-2,3	L200	EXHAUST	210	1.8	0.10"	1.1 AMP	DIRECT	23.0	NO	1,2,4

SELECTIONS ARE BASED ON PRODUCTS BY BROAN.
EQUAL PRODUCTS: PENN, GREENHECK, CARNES, COOK.

ACCESSORIES:
1. GRAVITY BACKDRAFT DAMPERS.
2. TO BE SWITCHED SEPARATE FROM LIGHT.
3. 6" DUCT FAN CONNECTION.
4. 8" DUCT THRU ROOF WITH APPROVED ROOF CAP.

SCHEDULE – AIR DISTRIBUTION

TAG	SERIES	CFM	DUTY	NECK	SIZE	DAMPER	MATERIAL	DESCRIPTION
A	TMS-AA	SEE DWGS	SUPPLY	SEE DWGS	24x24	YES	ALUMINUM	1
B	TMS-AA	SEE DWGS	SUPPLY	SEE DWGS	12x12	YES	ALUMINUM	1
C	50F	SEE DWGS	RETURN	SEE DWGS	24x24	NO	ALUMINUM	2
D	25 RD	SEE DWGS	SUPPLY	12"	25"	YES	METAL	3

NOTES:
A. REFER TO ARCHITECTURAL DRAWINGS FOR TYPE OF CEILING AND/OR SUSPENSION SYSTEM.
B. FINISH SHALL BE OF THE TYPE AND COLOR SELECTED BY ARCHITECT. SUBMIT FINISH CHART WITH SHOP DRAWINGS.

DESCRIPTION:
1. LOUVER FACE, HIGH PERFORMANCE, ROUND NECK, SQUARE DIFFUSER.
2. 1/2" X 1/2" X 1/2" EGGCRATE RETURN GRILLE.
3. ROUND DIFFUSER FOR EXPOSED DUCTS, ROUND NECK.

SELECTIONS ARE BASED ON PRODUCTS BY TITUS.
EQUAL PRODUCTS: KRUEGER, CARNES, METAL*AIRE & PRICE.

DUCT LEAKAGE CODES:

D. Altered Duct Systems. When new or replacement space-conditioning system ducts are installed to serve an existing building, the new ducts shall meet the requirements of Section 120.4. If the space conditioning system meets the criteria of Section 140.4(l)1, the duct system shall be sealed as confirmed through field verification and diagnostic testing in accordance with the procedures for duct sealing of an existing duct system as specified in Reference Nonresidential Appendix NA2 to meet one of the following requirements:

i. If the new ducts form an entirely new or replacement duct system directly connected to the air handler, the measured duct leakage shall be equal to, or less than 6 percent of the system air handler airflow as confirmed by field verification and diagnostic testing utilizing the procedures in Reference Nonresidential Appendix Section NA2.1.4.2.1.

Entirely new or replacement duct systems installed as part of an alteration shall be constructed of at least 75 percent new duct material, and up to 25 percent may consist of reused parts from the building's existing duct system including, registers, grilles, boots, air handlers, coils, plenums, and ducts if the reused parts are accessible and can be sealed to prevent leakage.

ii. If the new ducts are an extension of an existing duct system, the combined new and existing duct system shall meet one of the following requirements:

a. The measured duct leakage shall be equal to or less than 15 percent of the system air handler airflow as confirmed by field verification and diagnostic testing utilizing the procedures in Reference Nonresidential Appendix Section NA2.1.4.2.1; or

b. If it is not possible to comply with the duct leakage criterion in Subsection 141.0(b)2Diia, then all accessible leaks shall be sealed and verified through a visual inspection and a smoke test performed by a certified HERS Rater utilizing the methods specified in Reference Nonresidential Appendix NA2.1.4.2.2.

EXCEPTION to Section 141.0(b)2Dii: Duct Sealing. Existing duct systems that are extended, which are constructed, insulated or sealed with asbestos are exempt from the requirements of subsection 141.0(b)2Dii.

CONTRACTOR NOTE:

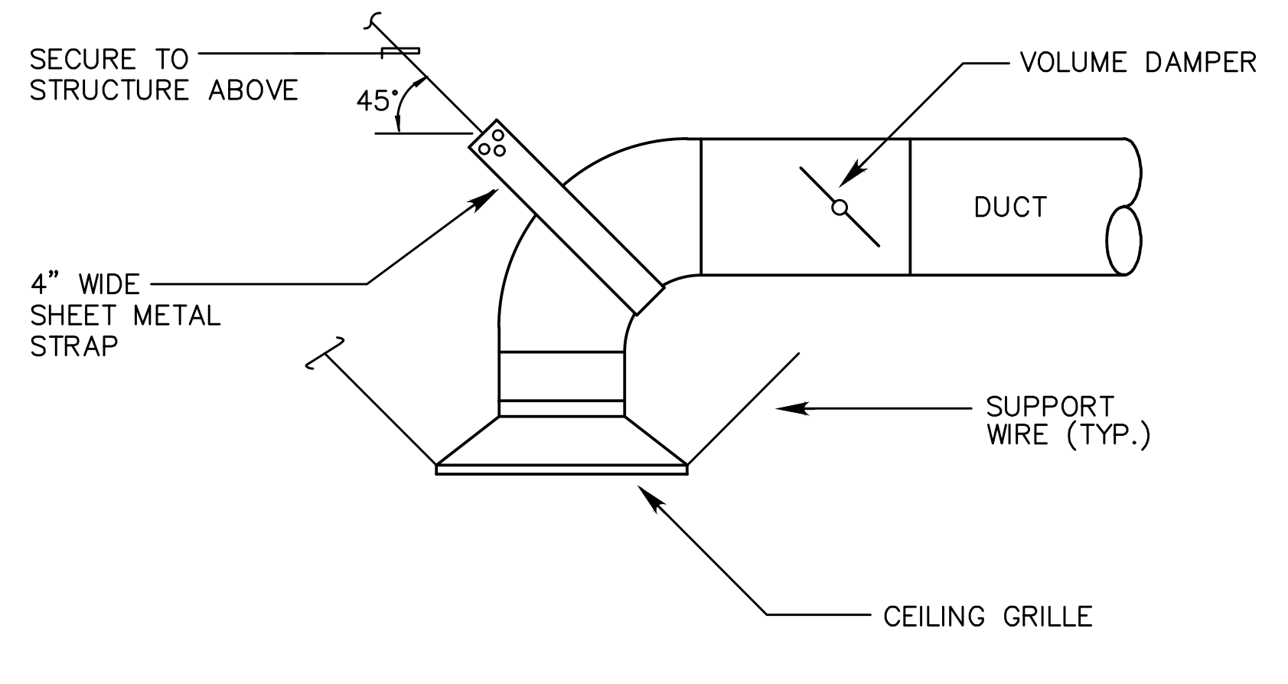
THE CONTRACTOR AND SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS ON THE DRAWINGS AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION LAYOUT. NO ALLOWANCE SHALL BE GIVEN TO THE CONTRACTORS OR SUB-CONTRACTORS FOR CHANGES RESULTING FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.

FLEXIBLE DUCT CODE:

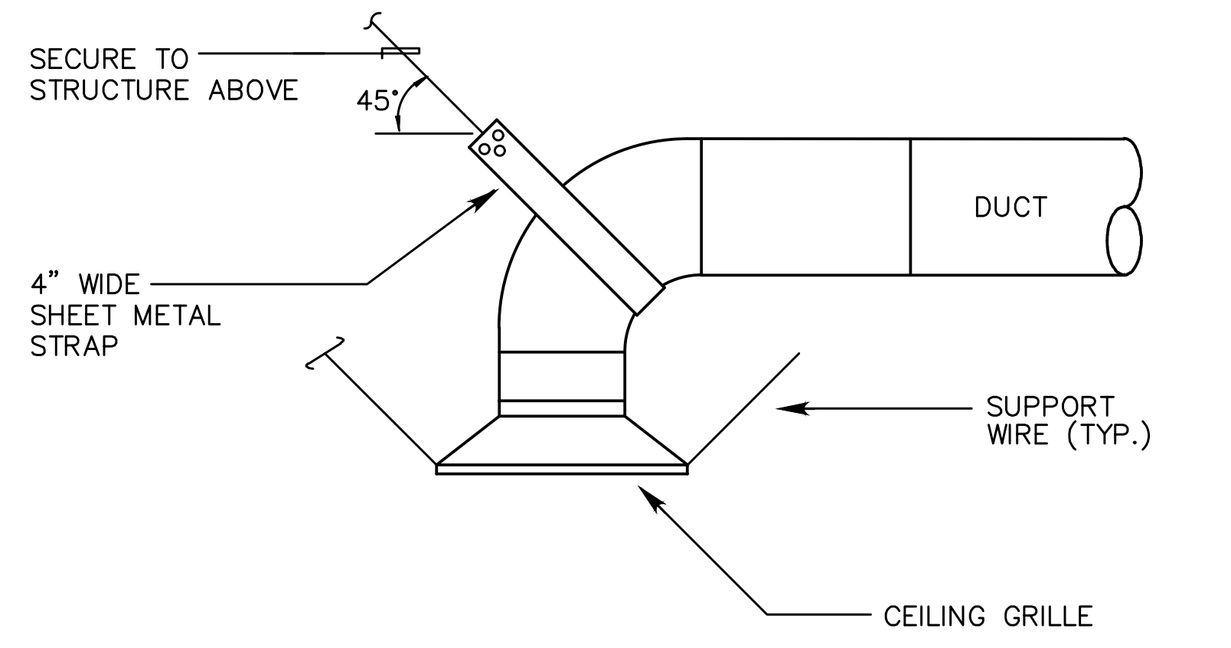
Flexible air duct installations shall comply with the following:

1. Ducts shall be installed using the minimum required length to make the connection.
2. Horizontal duct runs shall be supported at not more than 4 feet (1219 mm) intervals.
3. Vertical risers shall be supported at not more than 6 feet (1829 mm) intervals.
4. Sag between support hangers shall not exceed 1/2 inch (12.7 mm) per foot (305 mm) of support spacing.
5. Supports shall be rigid and shall be not less than 11/2 inches (38 mm) wide at point of contact with the duct surface.
6. Duct bends shall be not less than one duct diameter bend radius.
7. Screws shall not penetrate the inner liner of non-metallic flexible ducts unless permitted in accordance with the manufacturer's installation instructions.
8. Fittings for attaching non-metallic ducts shall be beaded and have a collar length of not less than 2 inches (51 mm) for attaching the duct.

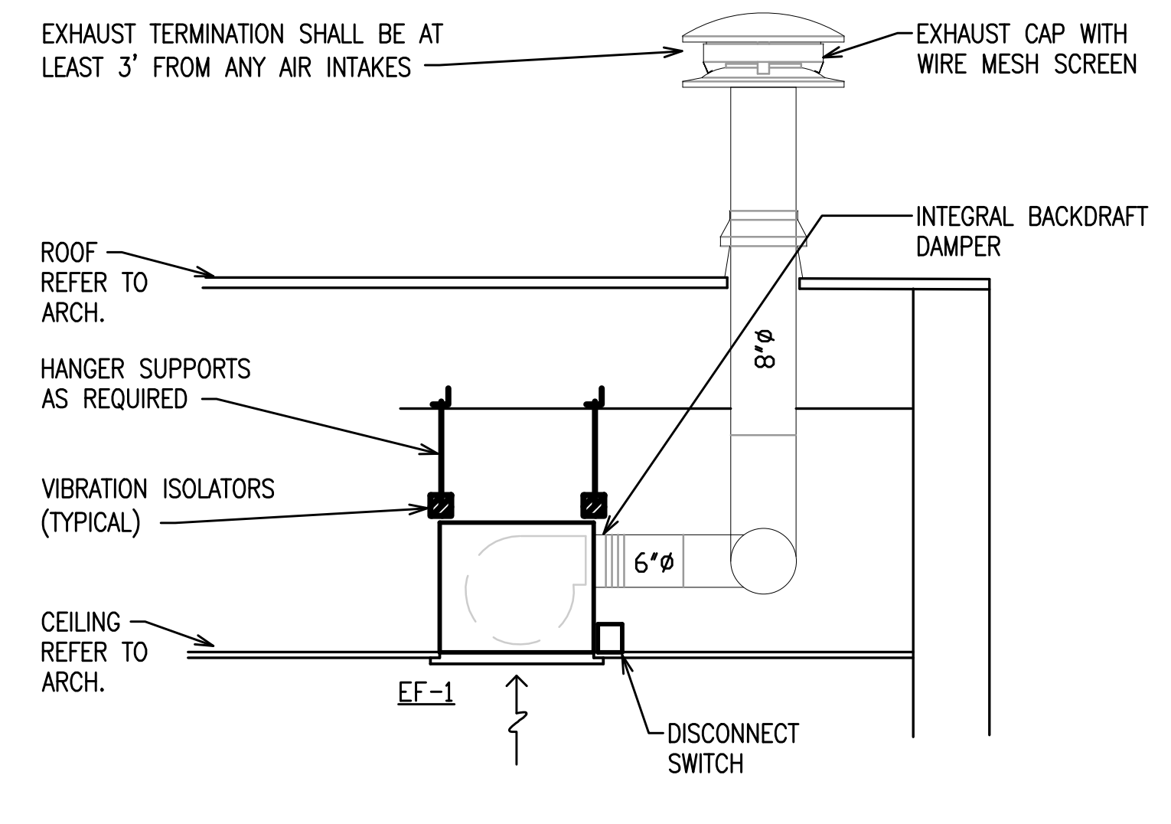
   Exception: A bead shall not be required where metal worm-gear clamps are used or where attaching metallic ducts using screws in accordance with the manufacturer's installation instructions.
9. Duct inner liner shall be installed at not less than 1 inch (25.4 mm) on the collar and past the bead prior to the application of the tape and mechanical fastener. Where mastic is used instead of tape, the mastic shall be applied in accordance the mastic manufacturer's instructions.
10. Duct outer vapor barriers shall be secured using two wraps of approved tape. A mechanical fastener shall be permitted to be used in place of, or in combination with, the tape.
11. Flexible air ducts shall not penetrate a fire-resistance-rated assembly or construction.
12. The temperature of the air to be conveyed in a flexible air duct shall not exceed 250°F (121 °C).
13. Flexible Air ducts shall be sealed in accordance with Section 603.10.



SUPPLY DIFFUSER DETAIL
SCHEMATIC – NO SCALE

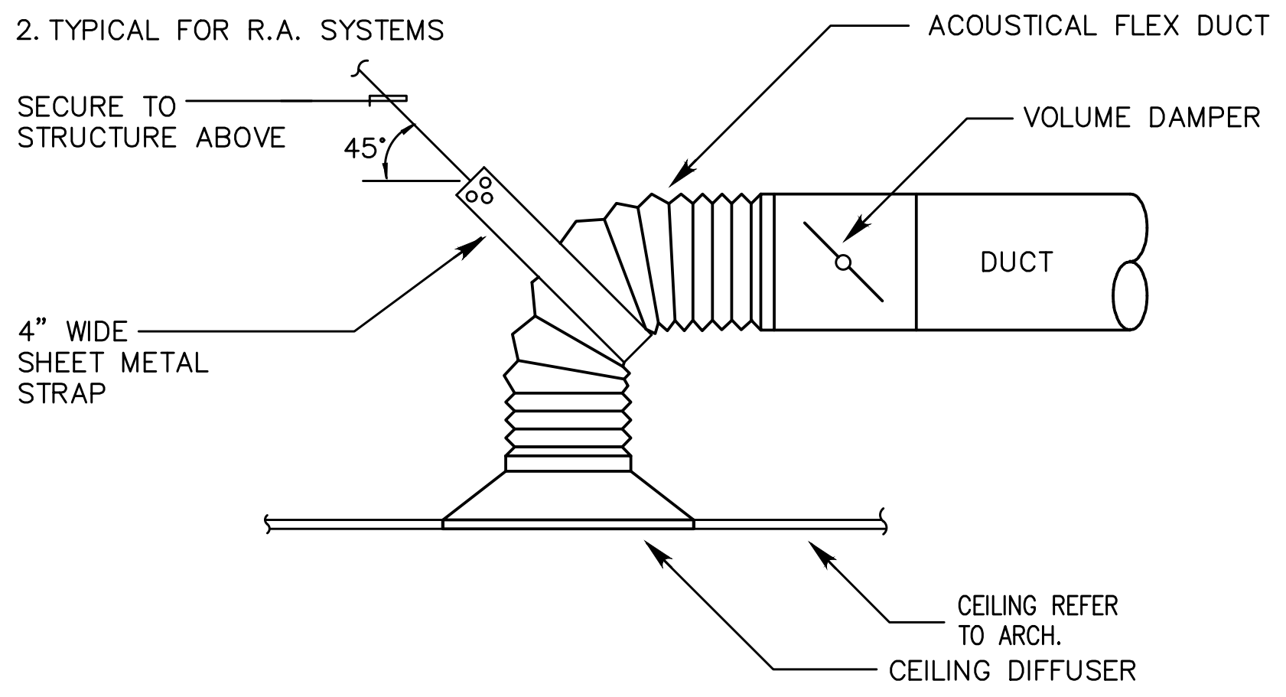


RETURN GRILLE DETAIL
SCHEMATIC – NO SCALE

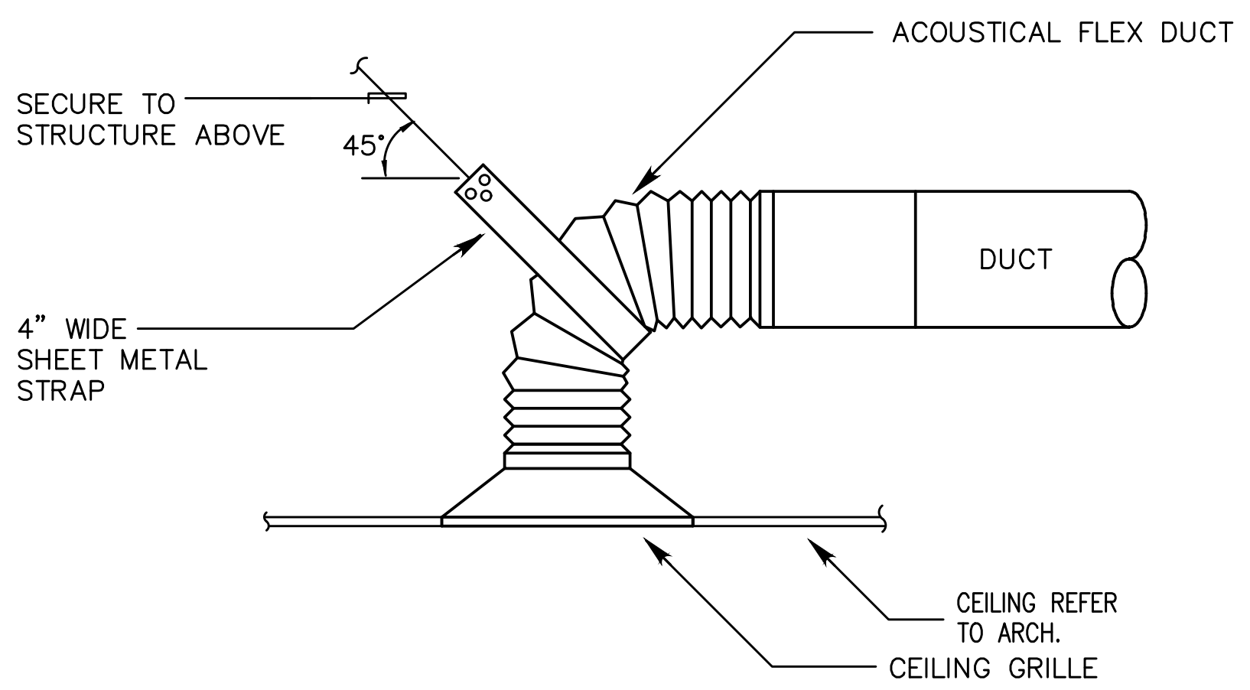

EXHAUST TERMINATION SHALL BE AT LEAST 3' FROM ANY AIR INTAKES
EXHAUST CAP WITH WIRE MESH SCREEN
INTEGRAL BACKDRAFT DAMPER
ROOF REFER TO ARCH.
8"ø
HANGER SUPPORTS AS REQUIRED
VIBRATION ISOLATORS (TYPICAL)
6"ø
CEILING REFER TO ARCH.
EF-1
DISCONNECT SWITCH

TOILET EXHAUST FAN DETAIL
SCHEMATIC – NO SCALE

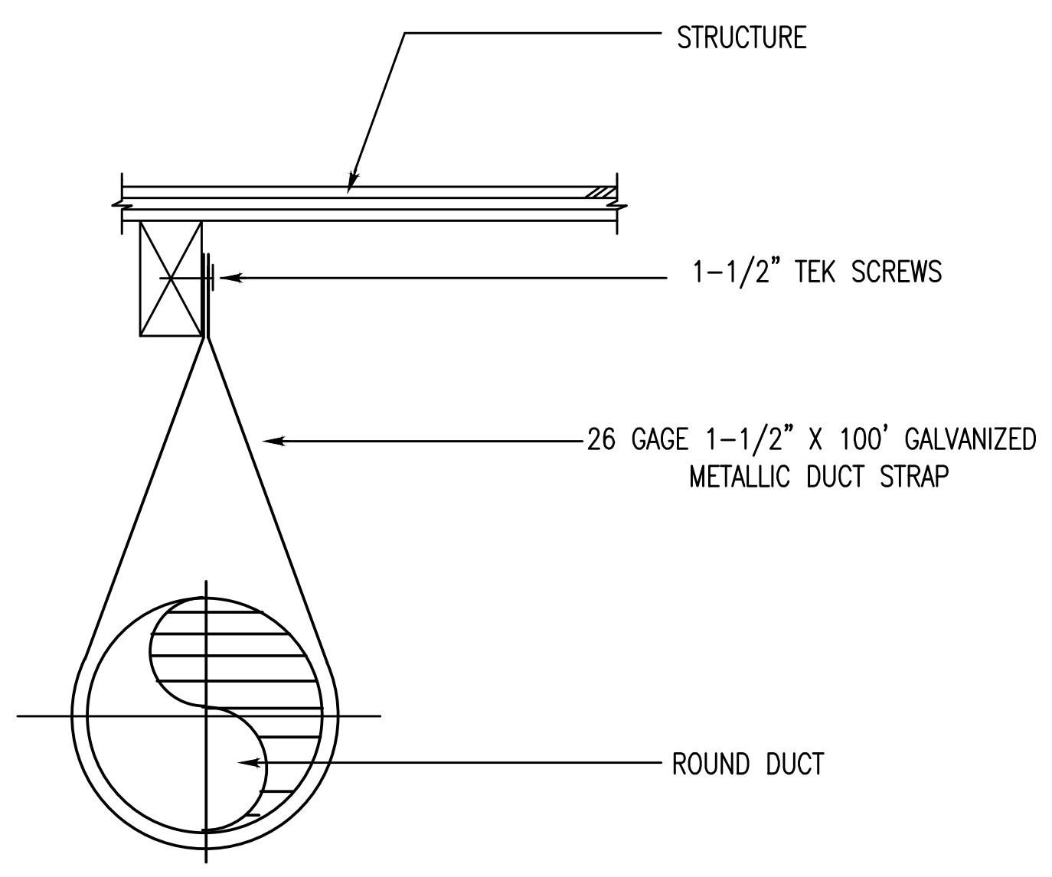
NOTES:
1. DO NOT SUPPORT DIFFUSER FROM CEILING SYSTEM.
2. TYPICAL FOR R.A. SYSTEMS



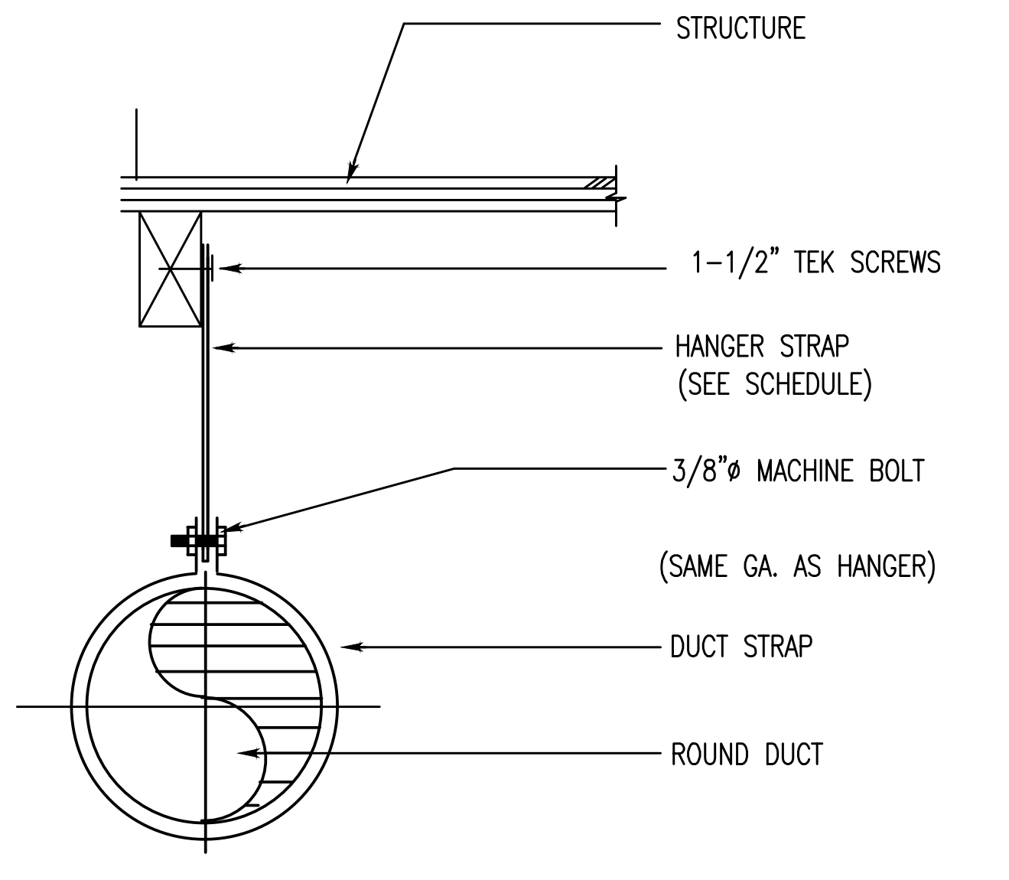
CEILING DIFFUSER DETAIL
SCHEMATIC – NO SCALE



RETURN GRILLE DETAIL
SCHEMATIC – NO SCALE



DUCT HANGER STRAP INSTALLATION DETAIL
SCHEMATIC – NO SCALE



DUCT HANGER STRAP INSTALLATION DETAIL
SCHEMATIC – NO SCALE

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formoedesign@gmail.com
4MO DESIGN

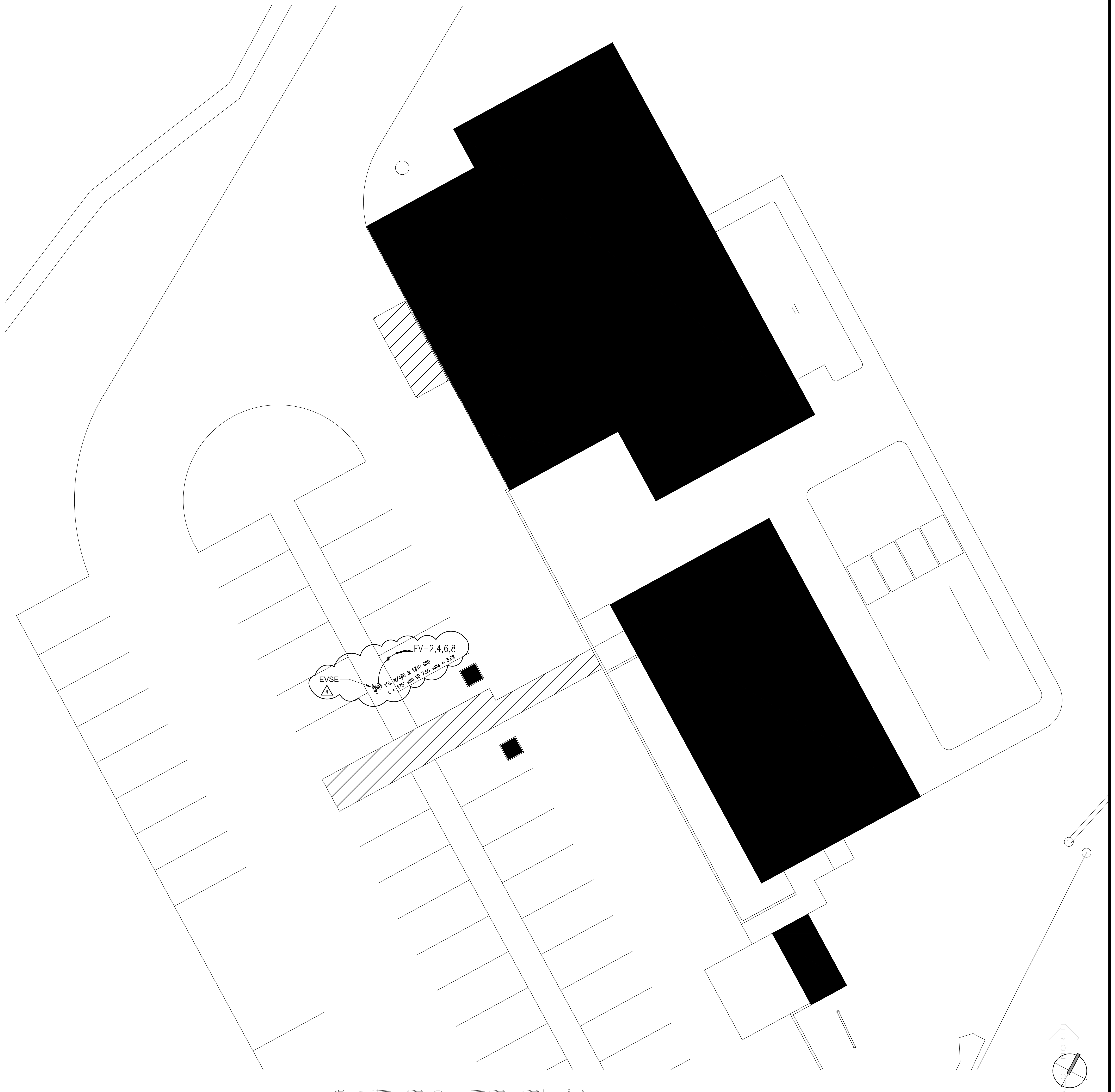
BRUCE JOSEPH MANNING
C 38456
EXP. 03/31/27
CIVIL
14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
HVAC SCHEDULES, NOTES & DETAILS

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/7/2024
Revision:

Sheet no.:
M2.0



SITE POWER PLAN

SCALE 1" = 10'

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EXP. 03/31/27
CIVIL

14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
Site Electrical Plan

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 2/21/2025
Revision:
4 Plan Check 3/12/2025

Sheet no.:
E0.1
NEW SHEET

SYMBOL SCHEDULE

SYMBOL	MOUNTING	DESCRIPTION
A-1,3,5		BRANCH CIRCUIT HOME RUN TO PANEL BOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. SMALL CROSS LINES INDICATE NUMBER OF CONDUCTORS OR CABLES. LARGER CROSS LINE INDICATES EQUIPMENT GROUND. WAVY CROSS LINE INDICATES INSULATED/ISOLATED GROUND. FOR BRANCH WIRING, CROSS LINES INDICATE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN SECTION 16120.
⏀	18"	DUPLEX RECEPTACLE OUTLET: NEMA 5- 20R.
⏀ GFI	18"	DUPLEX RECEPTACLE OUTLET, GFI: NEMA 5- 20R.
$	48"	SINGLE POLE SWITCH.
$₃	48"	3 WAY SWITCH
$OS	48"	OCCUPANT SENSOR
▲	18"	COMBINATION VOICE/DATA OUTLET.
⏀	18"	40A 208V 3ø RECEPTACLE U.N.O.
Ⓣⓒ	WALL	AUTOMATIC TIME SWITCH
Ⓑ	WALL	TWO HOUR OVERRIDE SPRING SWITCH

MOUNTING HEIGHTS:
SWITCHES = 48" MAX. TO TOP OF BOX
RECEPTACLES = 15" MIN. TO BOTTOM OF BOX

CONTRACTOR NOTE:

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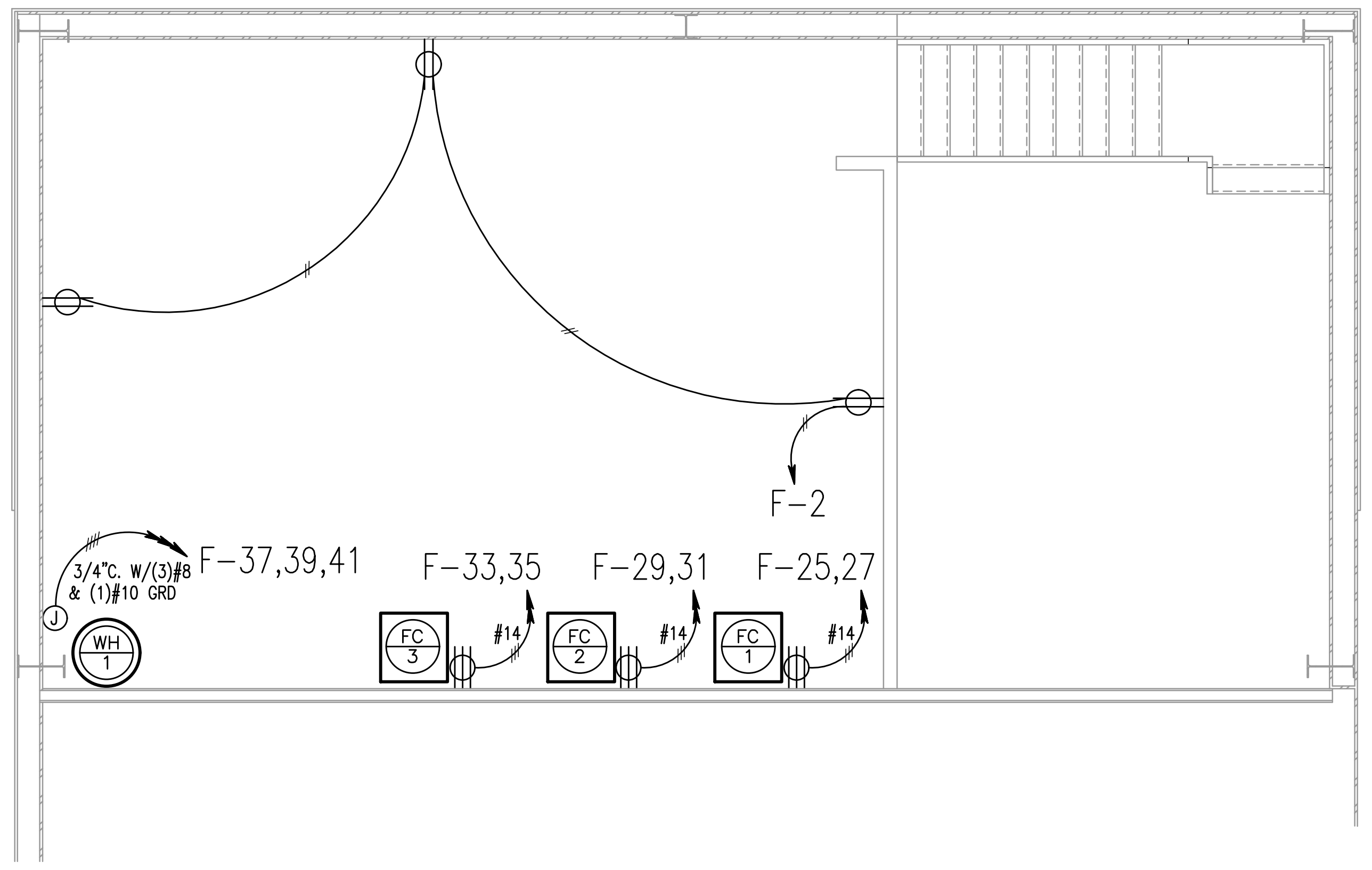
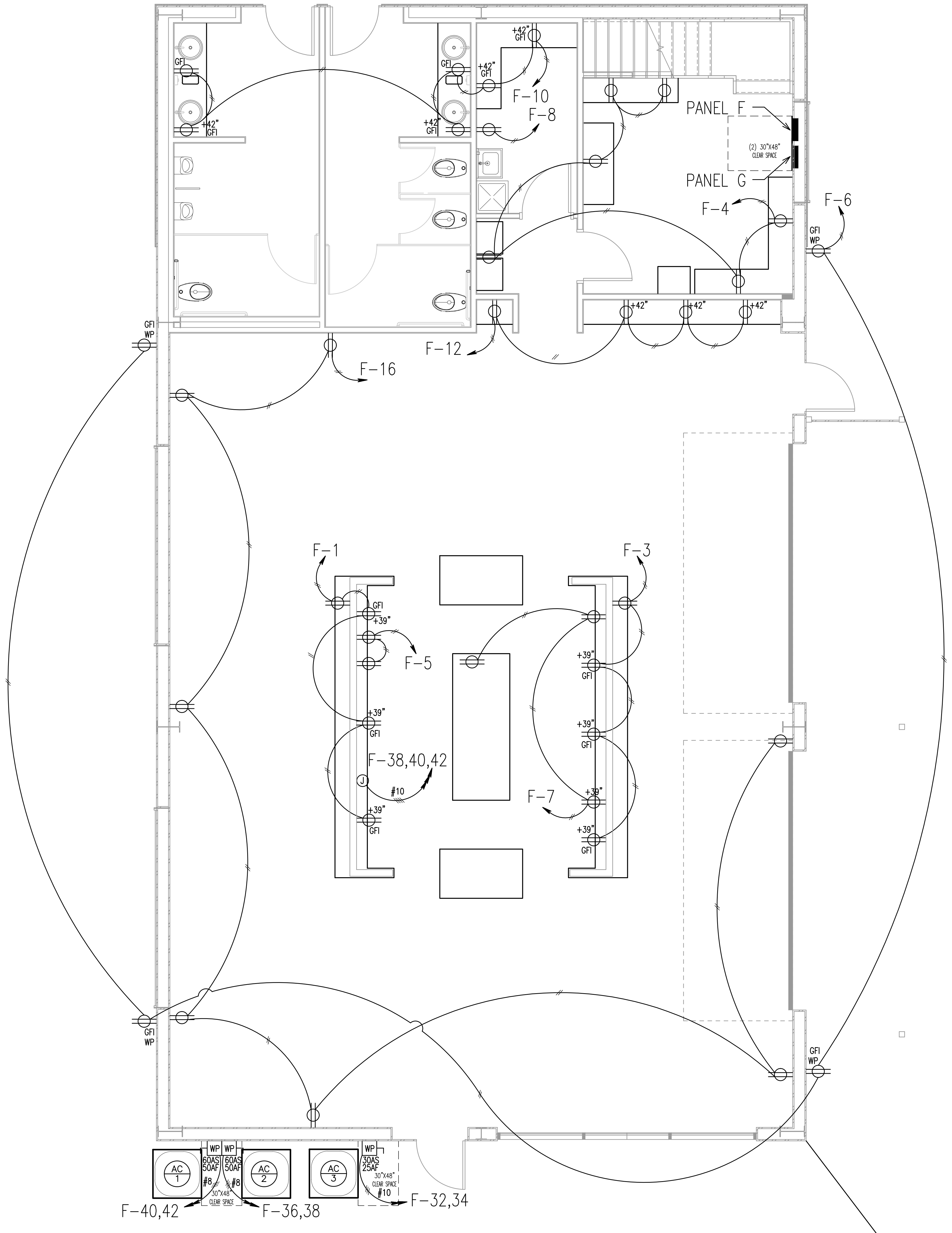


BLDG A MEZZANINE

1/4" = 1'-0"



BLDG A POWER PLAN

1/4" = 1'-0"

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4MO DESIGN

BRUCE JOSEPH MANNING
C 38456
EXP. 03/31/27
CIVIL

14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
BLDG A
POWER PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/19/2024
Revision:

Sheet no.:
E1.1

SYMBOL SCHEDULE

SYMBOL	MOUNTING	DESCRIPTION
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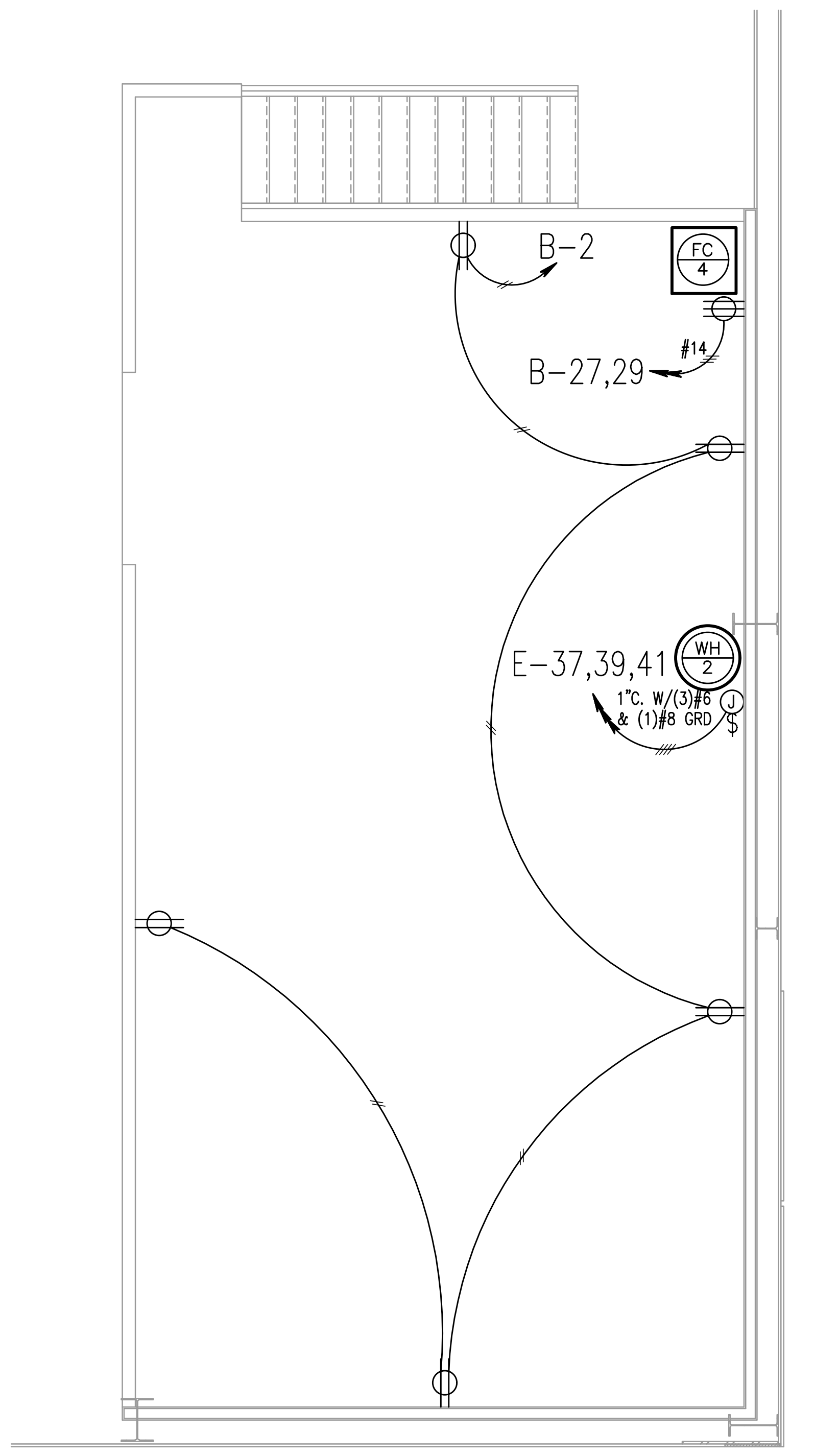
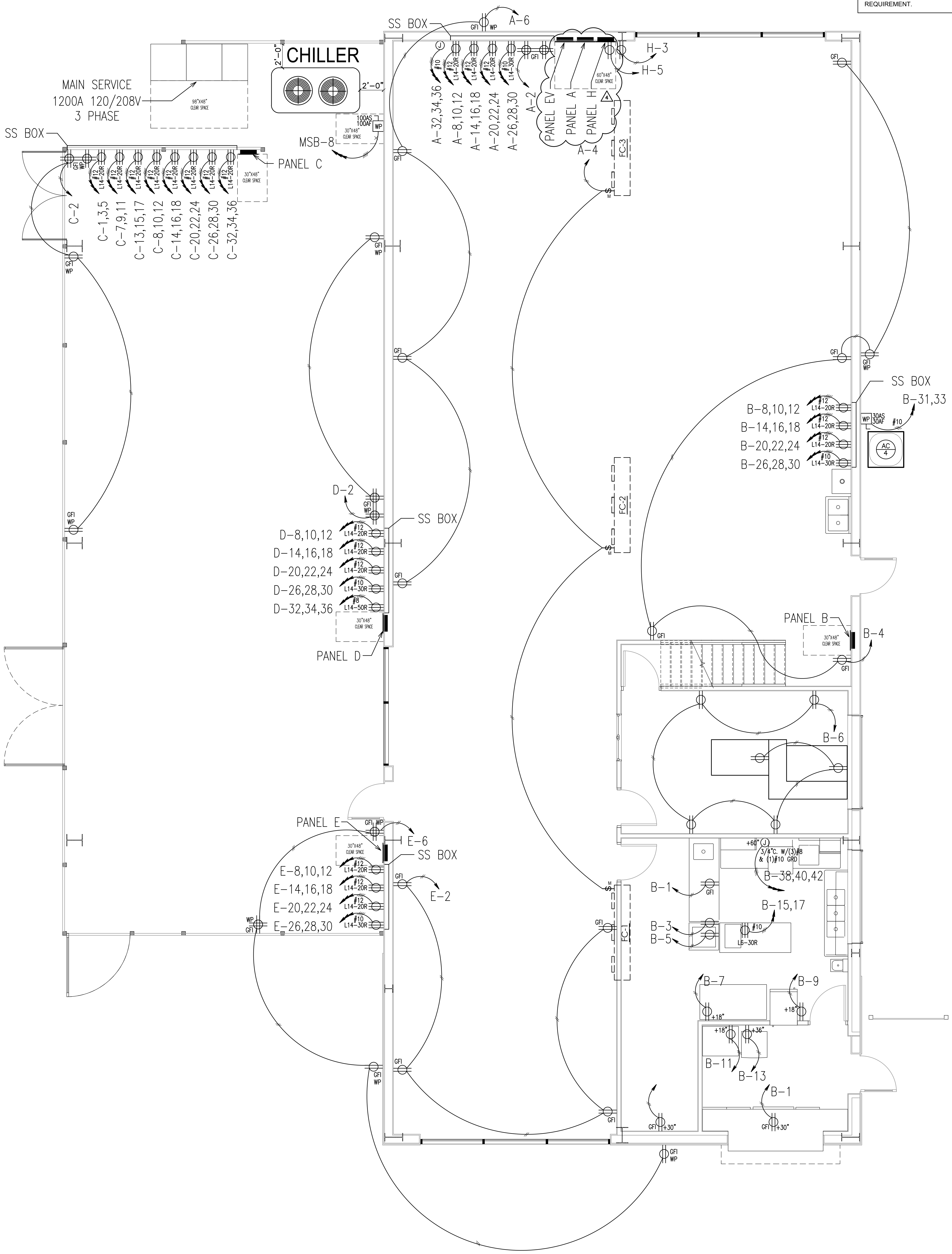


BLDG B MEZZANINE 1/4" = 1'-0"



BLDG B POWER PLAN 1/4" = 1'-0"

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4MO DESIGN

REGISTERED PROFESSIONAL ENGINEER
BRUCE JOSEPH MANNING
No. C 38456
EXP. 03/31/27
CIVIL
STATE OF CALIFORNIA

14 MAR 2025

WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Project:

Sheet title:
BLDG B
POWER PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/19/2024
Revision:

1	Plan Check 9/24/2024
3	Plan Check 11/11/2024
4	Plan Check 3/12/2025

Sheet no.:

E1.2

CONTRACTOR NOTE:

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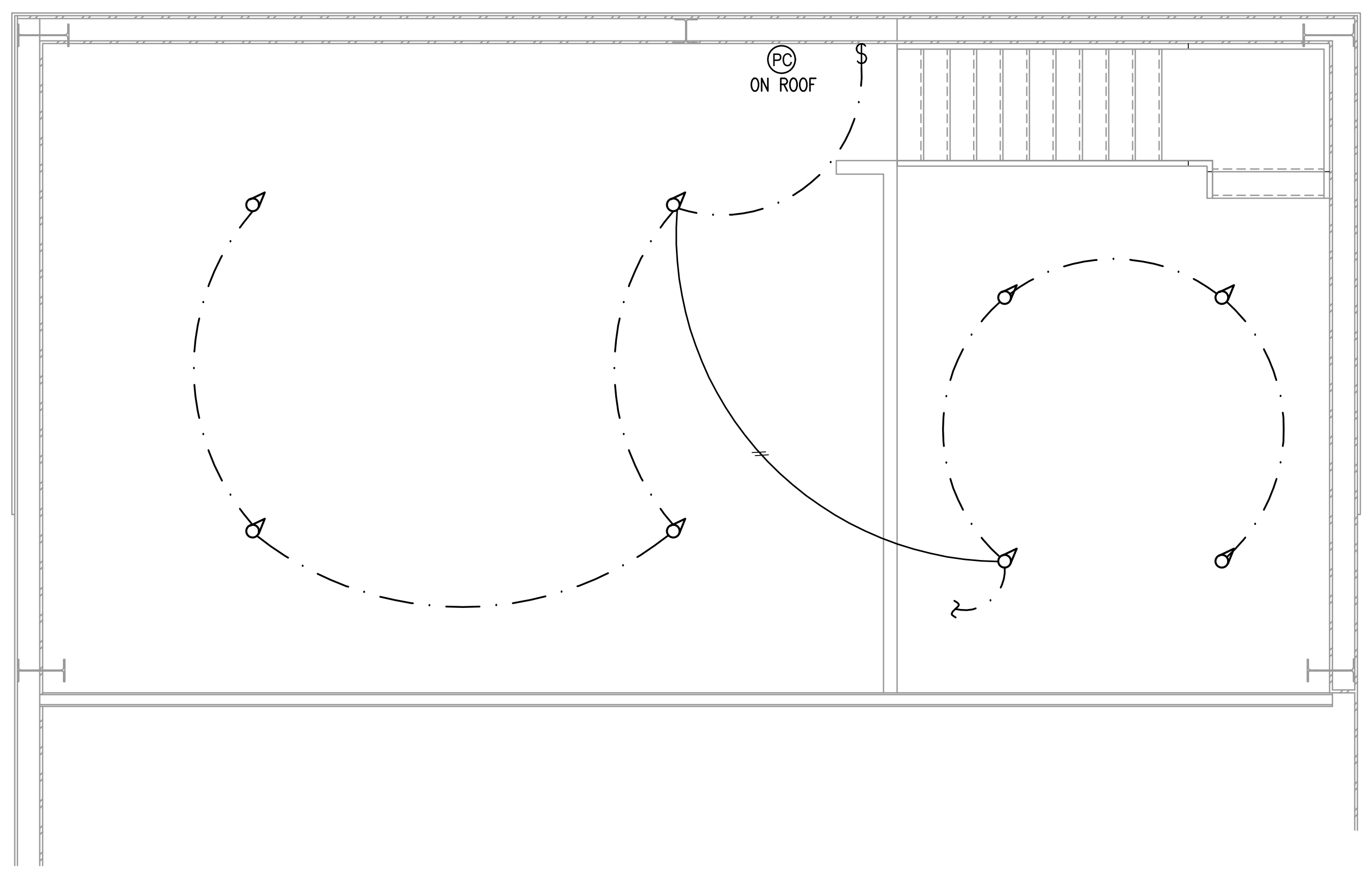

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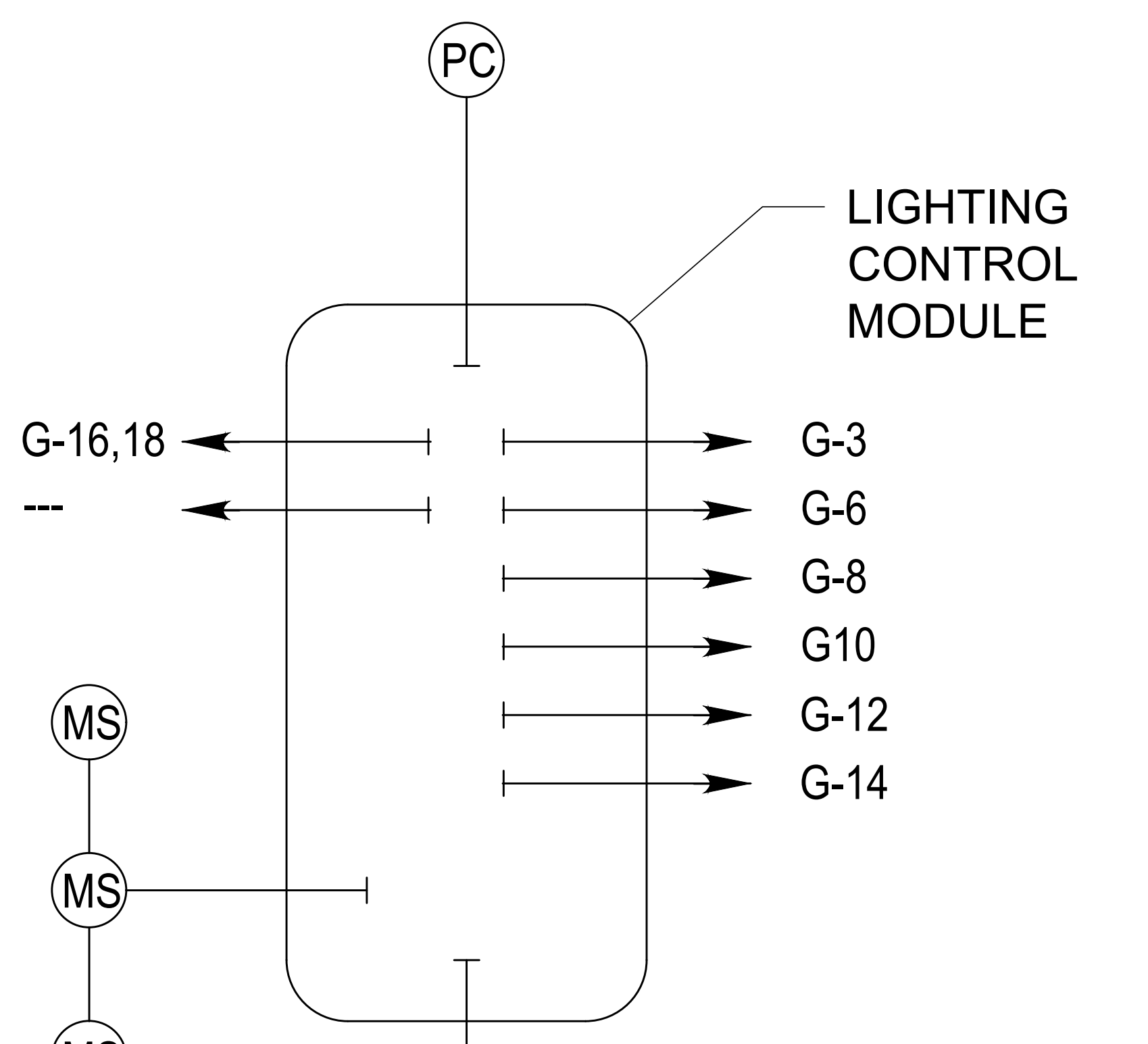
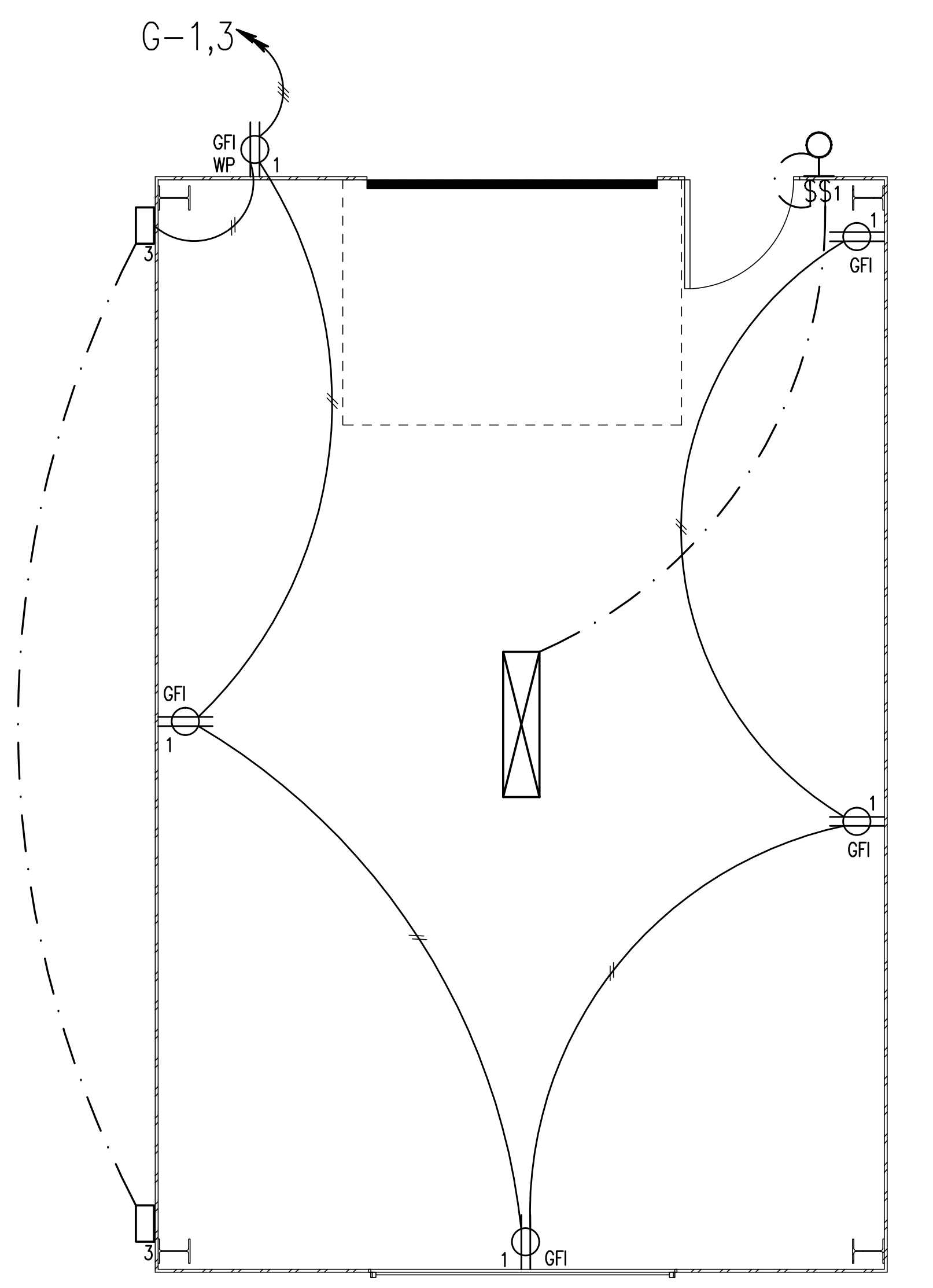


B

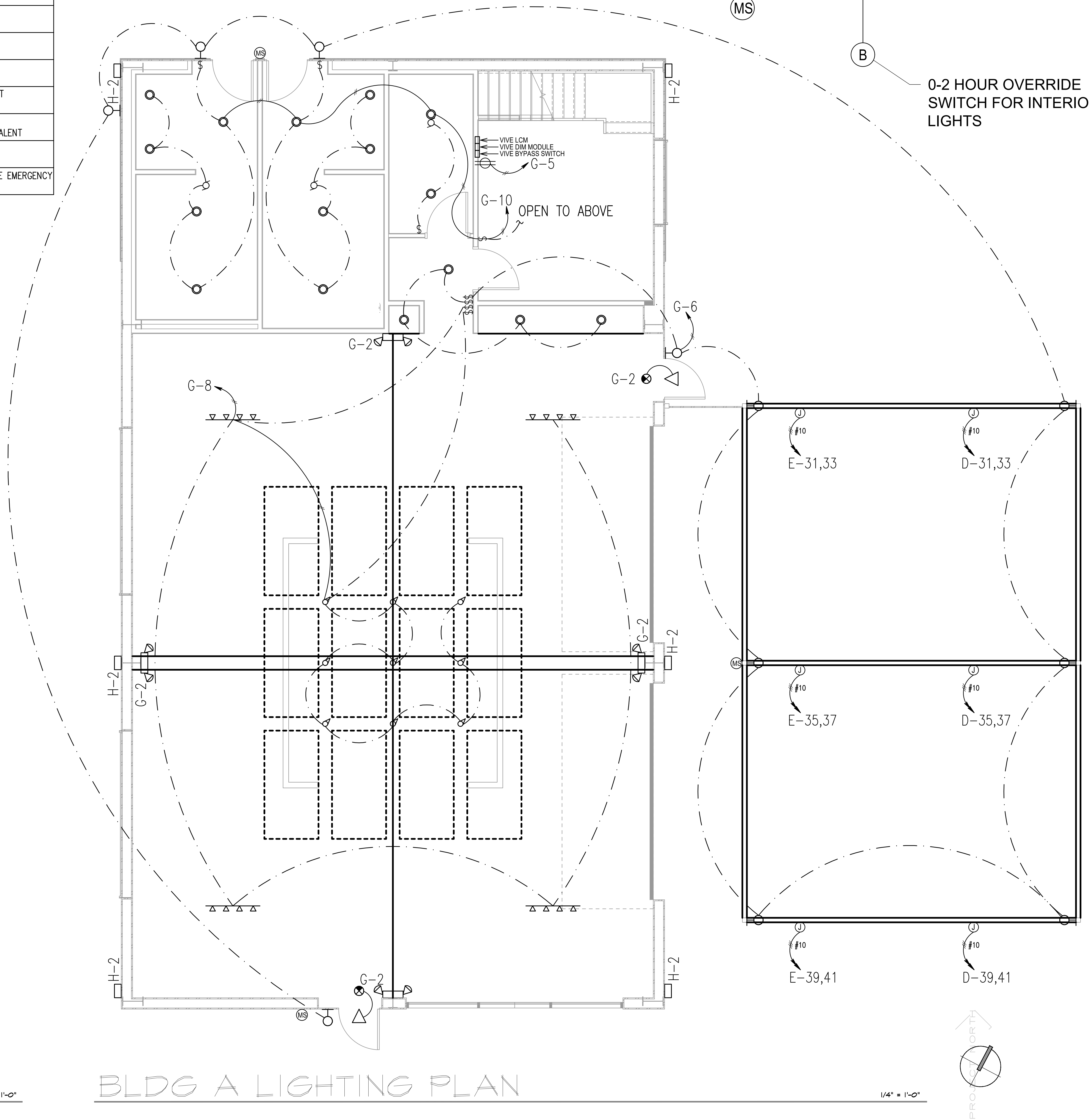
0-2 HOUR OVERRIDE SWITCH FOR INTERIOR LIGHTS

LIGHTING FIXTURE LEGEND

SYMBOL	TYPE	WATTAGE	DESCRIPTION
◎	A	18	RECESSED 6" LED CREE CDR6 OR EQUIVALENT
	B	60	4" SINGLE LIGHT PENDANT E26 MONTEREY OR EQUIVALENT
▽ ▽ ▽ ▽	C	24	36" (4) BULB 3000K LED TRACK ASCOLI OR EQUIVALENT
☒	D	223	1X4 LED CHAIN HUNG CONDOR G2 HBLED OR EQUIVALENT
	E	16	OUTDOOR WALL SCONCE, LED 3000K COVEY 2 LIGHT CYLINDER OR EQUIVALENT
▭	F	37	WALL PACK, LED 3000K, FULL CUTOFF, DARK SKY COMPLIANT RAB SLIMFC37Y OR EQUIVALENT
⊗ ◁	X	6	EXIT SIGN W/ 90 MIN. EMERGENCY BATTERY BACK-UP with Remote Emergency Illumination LITHONIA ERE OR EQUIVALENT
	X₁	6	EGRESS ILLUMINATION WITH MIN. 90 MINUTE EMERGENCY BATTERY BACK-UP COOPER AP2SQLED30 OR EQUIVALENT
	X₂	6	COMBO EXIT SIGN/EGRESS ILLUMINATION WITH MIN. 90 MINUTE EMERGENCY BATTERY BACK-UP



BLDG C ELECTRICAL 1/4" = 1'-0"



BLDG A LIGHTING PLAN 1/4" = 1'-0"

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4MO DESIGN

BRUCE JOSEPH MANNING
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EXP. 03/31/27
CIVIL

14 MAR 2025

WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Project:

Sheet title:
BLDG A
LIGHTING PLAN
BLDG C
ELECTRICAL
PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/19/2024
Revision:
1 Plan Check 9/24/2024

Sheet no.:
E2.1

CONTRACTOR NOTE:

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LIGHTING FIXTURE LEGEND

SYMBOL	TYPE	WATTAGE	DESCRIPTION
◎	A	18	RECESSED 6" LED CREE CDR6 OR EQUIVALENT
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▽ ▽ ▽ ▽	C	24	36" (4) BULB 3000K LED TRACK ASCOLI OR EQUIVALENT
⊠	D	223	1X4 LED CHAIN HUNG CONDOR G2 HBLED OR EQUIVALENT
♀	E	16	OUTDOOR WALL SCONCE, LED 3000K COVEY 2 LIGHT CYLINDER OR EQUIVALENT
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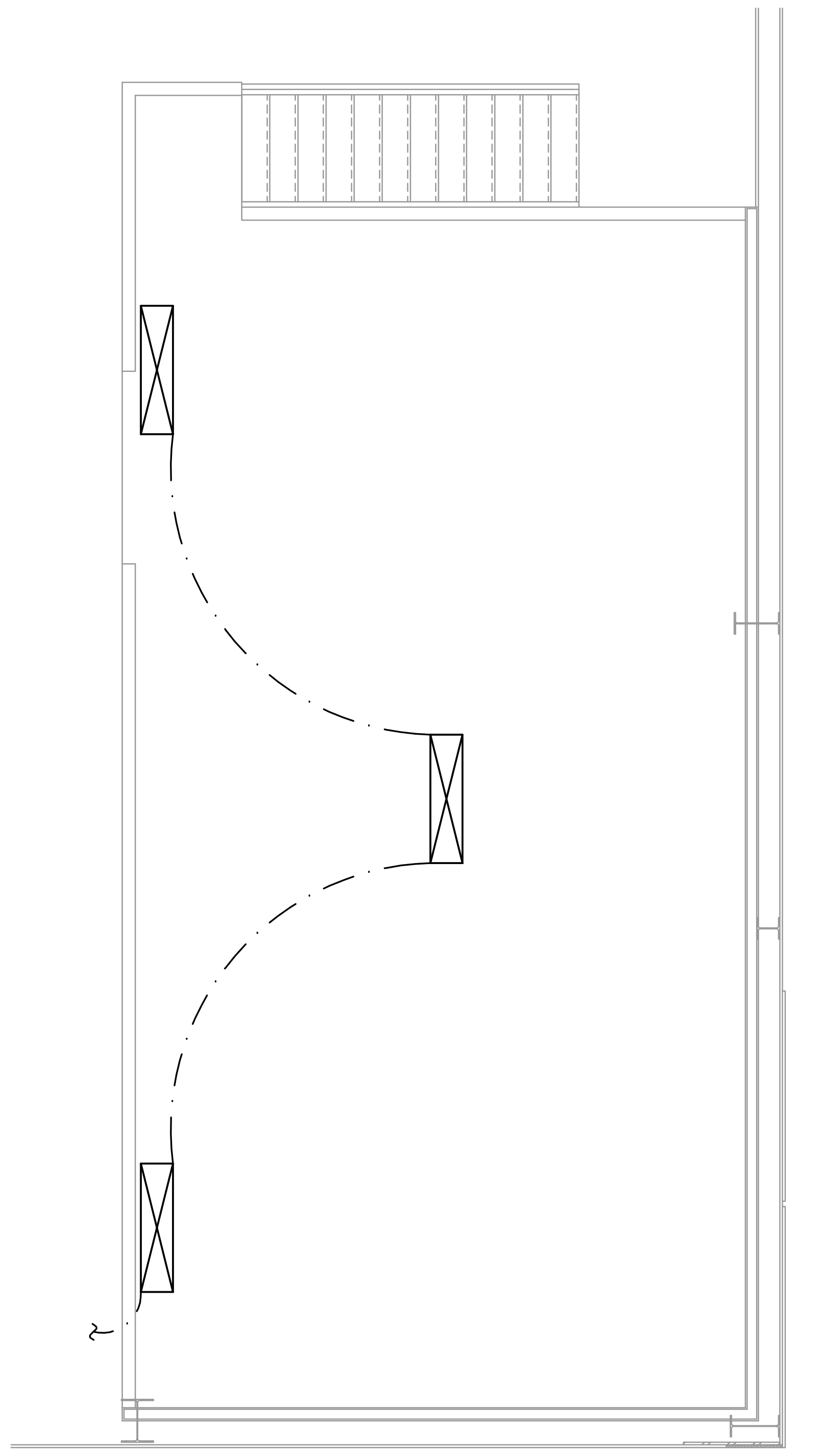
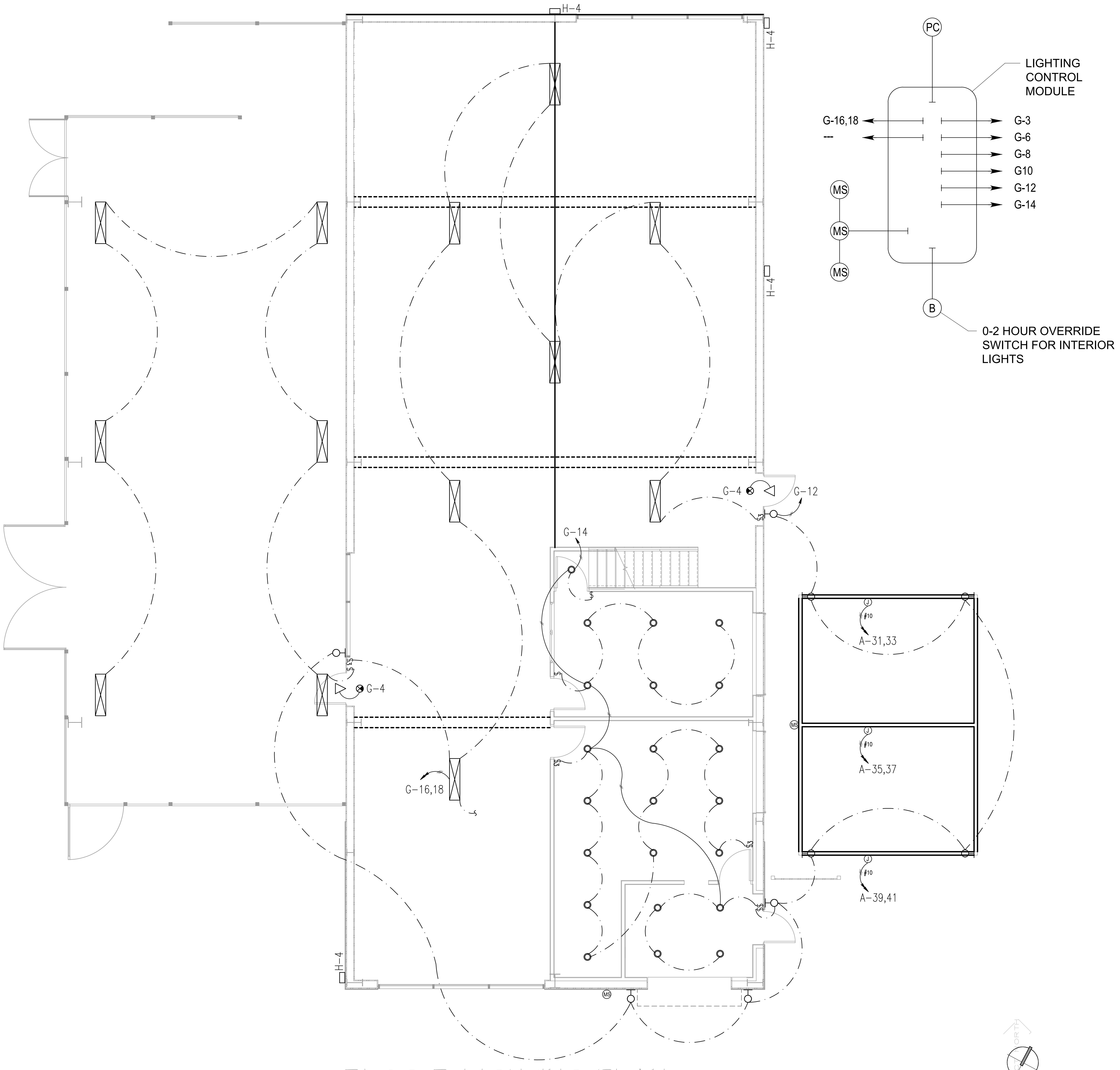
⊗ ◁	X	6	EXIT SIGN W/ 90 MIN. EMERGENCY BATTERY BACK-UP with Remote Emergency Illumination LITHONIA ERE OR EQUIVALENT
◭▭◮	X_1	6	EGRESS ILLUMINATION WITH MIN. 90 MINUTE EMERGENCY BATTERY BACK-UP COOPER AP2SQLED30 OR EQUIVALENT
◭■◮	X_2	6	COMBO EXIT SIGN/EGRESS ILLUMINATION WITH MIN. 90 MINUTE EMERGENCY BATTERY BACK-UP



BLDG B MEZZANINE 1/4" = 1'-0"



BLDG B LIGHTING PLAN 1/4" = 1'-0"

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4MO DESIGN

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EXP. 03/31/27
14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
BLDG B
LIGHTING PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/19/2024
Revision:
3 Plan Check 11/11/2024

Sheet no.:
E2.2

ELECTRICAL SPECIFICATIONS

SCOPE:
FURNISH ALL LABOR & FURNISH & INSTALL ALL MATERIALS & EQUIPMENT FOR A COMPLETE & OPERATING ELECTRICAL SYSTEM AS SHOWN ON THE DRAWINGS AND/OR SPECIFIED HEREINAFTER.

CODES :
ALL WORK & MATERIALS SHALL COMPLY WITH APPLICABLE NATIONAL, STATE & LOCAL CODES & ORDINANCES HAVING JURISDICTION.

PERMITS & INSPECTIONS:
OBTAIN & PAY FOR ANY & ALL PERMITS & INSPECTIONS REQUIRED FOR THE INSTALLATION OF THE ELECTRICAL WORK. DELIVER CERTIFICATES OF INSPECTION TO OWNER.

CLEANING PREMISES:
KEEP ALL PARTS OF THE BUILDING & SITE FREE FROM ANY ACCULULATIONS OF RUBBISH OR WASTE MATERIALS, REMOVE SUCH ACCUMULATIONS FROM THE BUILDING SITE & PROPERTY. JOB SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY.

RECORD DRAWINGS:
KEEP UP TO DATE A COMPLETE SET OF AS-BUILT PRINTS TO INDICATE ANY CHANGES FROM THE ORIGINAL DRAWINGS.

PROTECTION AND SAFEGUARDS:
THE CONTRACTOR SHALL ERECT & MAINTAIN SUITABLE BARRIERS, PROTECTIVE DEVICES, LIGHTS & WARNING SIGNS WHERE REQUIRED FOR THE PROTECTION OF THE PUBLIC & EMPLOYEES ABOUT THE JOB SITE. HE SHALL BE FULLY RESPONSIBLE FOR ANY LOSS OR INJURY TO PERSONS OR PROPERTY RESULTING FROM HIS NEGLECT OF THESE PRECAUTIONS, HIS OWN CARELESSNESS, OR THE CARELESSNESS OR NEGLECT OF HIS EMPLOYEES.

IDENTIFICATIONS & LABELS:
UPDATE ALL PANEL DIRECTORIES TO REFLECT REMOVAL OF EXISTING & ALL NEW WORK. PROVIDE TYPEWRITTEN SCHEDULE ON ALL NEW PANEL DOORS.

MATERIALS:
ANY MISCELLANEOUS MATERIAL NOT CALLED FOR, BUT REQUIRED FOR A COMPLETE & SAFE INSTALLATION, SHALL BE PROVIDED. PROVIDE ALL NECESSARY SUPPORTS & HANGERS FOR ALL EQUIPMENT.
ALL MATERIALS AND EQUIPMENT SHALL BE NEW, UNLESS SPECIFICALLY NOTED & SHALL HAVE U.L. LISTING LABELS AS REQUIRED.
ALL MATERIALS & WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF THE PROJECT.
REFER TO SYMBOL LIST FOR WIRING DEVICE TYPES.
CONCEALED CONDUIT SHALL BE E.M.T., MC, AC, ENT OR FLEXIBLE ALUMINUM.
UNLESS NOTED OTHERWISE.
CONDUIT EXPOSED SHALL BE E.M.T. UNLESS NOTED OTHERWISE.
CONDUIT BELOW GRADE SHALL BE PVC "40" UNLESS NOTED OTHERWISE.
ALL CONDUCTORS SHALL BE COPPER WITH THWN OR THW INSULATION UNLESS NOTED OTHERWISE.
FURNISH AND INSTALL ALL LIGHTING FIXTURES AS INDICATED ON FIXTURE SCHEDULE.
PANELBOARDS SHALL BE SQUARE-D NQOB OR EQUAL.
OTHERWISE.
EQUIPMENT INSTALLED OUTDOORS SHALL BE RATED NEMA 3R UNLESS NOTED OTHERWISE.
ALL DISCONNECT SWITCHES SHALL BE HORSEPOWER RATED.
ALL PROTECTIVE EQUIPMENT SHALL HAVE A SHORT CIRCUIT RATING TO EXCEED THE MAXIMUM AVAILABLE FAULT CURRENT.

CEC CODE SECTION:

225.37 Identification
Where a building or structure has any combination of feeders, branch circuits, or services passing through it or supplying it, a permanent plaque or directory shall be installed at each feeder and branch-circuit disconnect location denoting all other services, feeders, or branch circuits supplying that building or structure or passing through that building or structure and the area served by each.
Exception No. 1: A plaque or directory shall not be required for large-capacity multibuilding industrial installations under single management, where it is ensured that disconnection can be accomplished by establishing and maintaining safe switching procedures.
Exception No. 2: This identification shall not be required for branch circuits installed from a dwelling unit to a second building or structure.

NOTE:

EACH DISCONNECT SHALL BE MARKED TO INDICATE THE LOAD SERVED.

PANEL G SCHEDULE

Type:	Bolt-on	**AIC:**	30,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 3R SURFACE		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	100A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	LIGHTING/RECEPT BLDG C	20/2	1200					
			100			20/1	EXIT/EMERGENCY LTG A	2
3	BLDG C WALL PACK (2)	----		100				
				100		20/1	EXIT/EMERGENCY LTG B	4
5	VIVE LIGHTING CONTROL	20/1			180			
					200	20/1	LTG OUTDOOR SCONCE A	6
7	SPACE		0					
			700			20/1	TASTING RM LIGHTING	8
9	SPACE			0				
				800		20/1	LIGHTING BLDG A BOH	10
11	SPACE				0			
					200	20/1	LTG OUTDOOR SCONCE B	12
13	SPACE		0					
			400			20/1	LIGHTING BLDG B BOH	14
15	SPACE			0				
				1784		20/1	BARREL RM LIGHTING	16
17	SPACE				0			
					1784	20/1	CRUSH PAD LIGHTING	18
19	SPACE		0					
			0				SPACE	20
21	SPACE			0				
				0			SPACE	22
23	SPACE				0			
					0		SPACE	24
	Total VA load/phase:		2400	2784	2364			
	Amps/phase:		20.0	23.2	19.7			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		7548	7786	1946.5		9495	
	Average amps/phase:		21.0				26	

PANEL H SCHEDULE

Type:	Bolt-on	**AIC:**	30,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 3R SURFACE		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	100A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	SPARE	20/1	0					
			333			20/1	SECURITY WALL PACK A,C	2
3	IRRIGATION CONTROL	20/1		180				
				185		20/1	SECURITY WALL PACK B	4
5	FIRE SUPPRESSION	20/1			180			
					0	20/1	SPARE	6
7	SPACE		0					
			0				SPACE	8
9	SPACE			0				
				0			SPACE	10
11	SPACE				0			
					0		SPACE	12
13	SPACE		0					
			0				SPACE	14
15	SPACE			0				
				0			SPACE	16
17	SPACE				0			
					0		SPACE	18
19	SPACE		0					
			0				SPACE	20
21	SPACE			0				
				0			SPACE	22
23	SPACE				0			
					0		SPACE	24
	Total VA load/phase:		333	365	180			
	Amps/phase:		2.8	3.0	1.5			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		878	518	129.5		1008	
	Average amps/phase:		2.4				2	

PANEL EV SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	400A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	SPACE		0					
			3840			40/2	EVSE STATION 1	2
3	SPACE			0				
				3840		----	------	4
5	SPACE				0			
					3840	40/2	EVSE STATION 2	6
7	SPACE		0					
			3840			----	------	8
9	SPACE			0				
				0			SPACE	10
11	SPACE				0			
					0		SPACE	12
13	SPACE		0					
			0				SPACE	14
15	SPACE			0				
				0			SPACE	16
17	SPACE				0			
					0		SPACE	18
	Total VA load/phase:		7680	3840	3840			
	Amps/phase:		64.0	32.0	32.0			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		15360	0	0		15360	
	Average amps/phase:		42.7				42	

DISTRIBUTION BOARD "DB"

1200 A BUS — NEMA 3R FREE STANDING
VOLTAGE 120/208 3 PHASE 4 WIRE — **AIC:** 30,000 SCA

CKT NO	CKT BKR AMP	CKT BKR POLE	LOCATION EQUIPMENT ENCLOSURE	WATTS A	WATTS B	WATTS C	LOAD IN AMPS
1	400	3	PANEL EV	7680	3840	3840	42
2			SPACE				
3	100	3	PANEL G	2400	2684	2364	26
4	100	3	CHILLER	8160	8160	8160	85
5	200	3	PANEL A	12420	12900	12600	105
6	200	3	PANEL B	15671	16251	13276	128
7	200	3	PANEL C	10980	9900	9900	85
8	200	3	PANEL D	14220	13140	13140	112
9	200	3	PANEL E	16820	16100	17180	139
10	200	3	PANEL F	17460	17440	18316	153
			TOTAL	87571	85731	84412	875

MAIN SWITCH BOARD "MSB"

1200 A BUS — NEMA 3R FREE STANDING
VOLTAGE 120/208 3 PHASE 4 WIRE — **AIC:** 30,000 SCA

CKT NO	CKT BKR AMP	CKT BKR POLE	LOCATION EQUIPMENT ENCLOSURE	WATTS A	WATTS B	WATTS C	LOAD IN AMPS
1	100	3	PANEL "H"	333	365	180	2
2	1200	3	DISTRIBUTION BOARD "DB"	87571	85731	84412	875
			TOTAL	87904	86096	84592	877

CONTRACTOR NOTE:

THE CONTRACTOR AND SUB-CONTRACTORS SHALL VERIFY ALL DIMENSIONS ON THE DRAWINGS AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION LAYOUT. NO ALLOWANCE SHALL BE GIVEN TO THE CONTRACTORS OR SUB-CONTRACTORS FOR CHANGES RESULTING FROM FAILURE TO COMPLY WITH THIS REQUIREMENT.

CONDUCTOR & CONDUIT SCHEDULE

** — SCHEDULE NUMBER
* — SUBSCRIPT (NOTE 5)
(E.G.) 5 IG

SYM	AMP	CONDUIT SIZE	CONDTR (NOTE 1) QTY	CONDTR (NOTE 1) SIZE	CONDTR (NOTE 1) GR	IG	SE	NOTES
3	20	1/2"	4	12	12			2
4	30	1/2"	2	10	10			2
5	30	3/4"	3	10	10			2
8	40	1"	3	8	10			2
11	55	1"	3	6	10			2
12	55	1 1/4"	4	6	10			2
14	70	1"	3	4	8			2
17	85	1 1/4"	3	3	8			2
20	95	1 1/4"	4	2	8			2
28	200	2"	4	3/0	6			2
36	400	4"	4	500	3			2

CONDUIT & CONDUCTOR SCHEDULE NOTES:
1. CONDUCTORS SHOWN ARE SHOWN FOR EACH CONDUIT WITH MODIFICATIONS AS NOTED IN NOTE 5. ALL CONDUCTORS SHOWN ARE THHN/THWN UNLESS OTHERWISE NOTED.
2. PROVIDE EQUIPMENT GROUND CONDUCTORS PER TABLE 250.122 WHEN CIRCUIT BREAKERS ARE SIZED GREATER THAN AMPERE RATING SHOWN IN TABLE.
3. PROVIDE #10 NEUTRALS FOR MULTIWIRE BRANCH CIRCUITS SERVING COMPUTERS.
4. GROUND (GR) CONDUCTOR MAY BE DELETED ON SERVICE ENTRANCE CONDUCTORS.
5. WHEN SYMBOL SUBSCRIPT INDICATES "IG", INCLUDE INSULATED GROUND CONDUCTOR SCHEDULED ALONG WITH EQUIPMENT GROUND CONDUCTOR. WHEN SYMBOL SUBSCRIPT INDICATES "SE", SUBSTITUTE "SE" CONDUCTOR FOR "GR" CONDUCTOR SHOWN WHICH IS SIZED FOR THE GROUNDING OF THE SECONDARY FOR THE SEPARATELY DERIVED SYSTEMS.
6. RACEWAY ONLY.

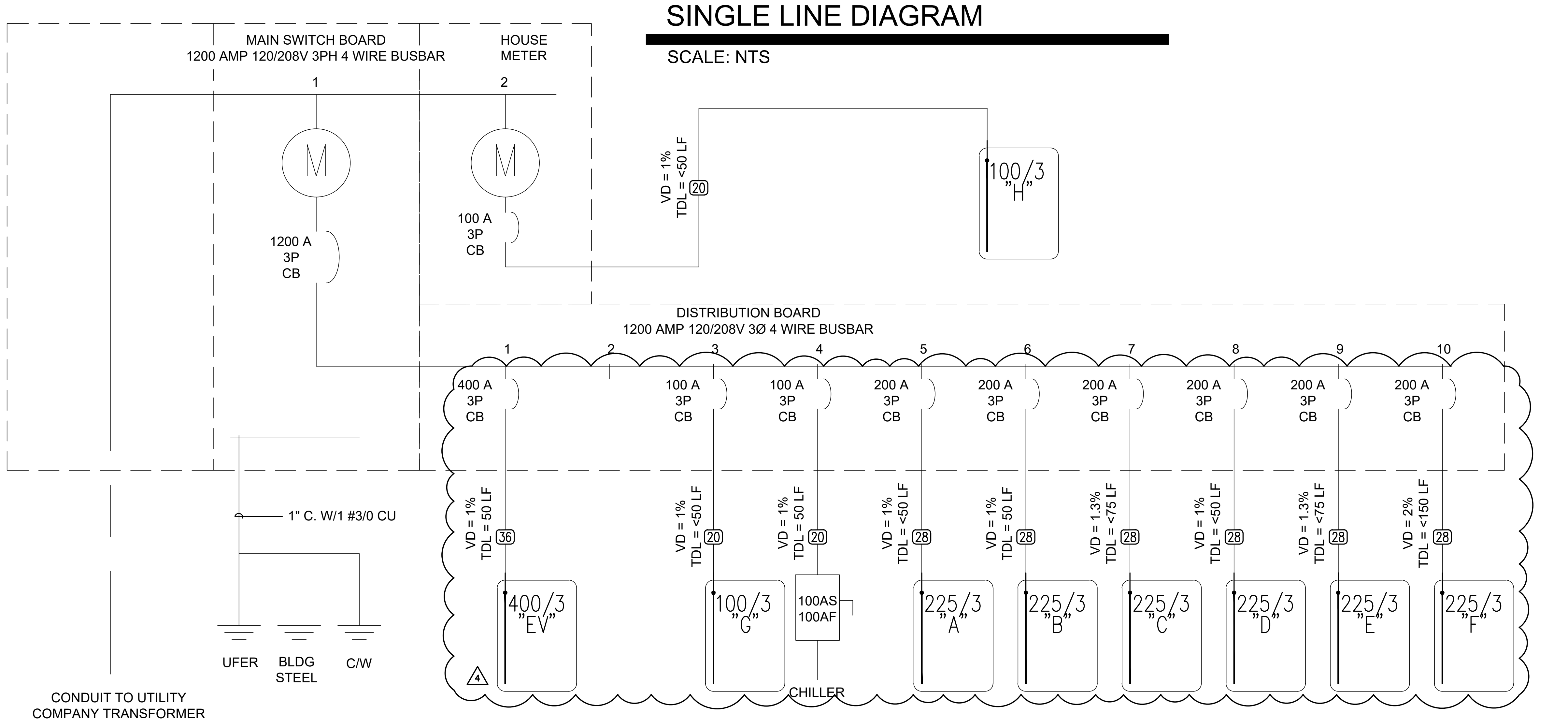
NOTE:

PROVIDE FIELD LABEL ON ALL ELECTRICAL PANELS TO READ:

"POTENTIAL ARC FLASH HAZARDS" PER NEC ART. 110.16

SINGLE LINE DIAGRAM

SCALE: NTS



PANEL A SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	225A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	SPARE	20/1	0					
			720			20/1	RECEPT BARREL NE	2
3	SPARE	20/1		0				
				1200		20/1	REFRIGE FC-1, FC-2, FC-3	4
5	SPARE	20/1			0			
					720	20/1	RECEPT BARREL NE	6
7	SPARE	20/1	0					
			500			20/3	208V RECEPT BARREL NE	8
9	SPARE	20/1		0				
				500		----	------	10
11	SPARE	20/1			0			
					500	----	------	12
13	SPACE		0					
			500			20/3	208V RECEPT BARREL NE	14
15	SPACE			0				
				500		----	------	16
17	SPACE				0			
					500	----	------	18
19	SPACE		0					
			500			20/3	208V RECEPT BARREL NE	20
21	SPACE			0				
				500		----	------	22
23	SPACE				0			
					500	----	------	24
25	SPACE		0					
			600			30/3	208V RECEPT BARREL NE	26
27	SPACE			0				
				600		----	------	28
29	SPACE				0			
					600	----	------	30
31	TUNGSTEN HEATER-1	30/2	3000					
			3600			30/3	FORKLIFT CHARGER	32
33	------	----		3000				
				3600		----	------	34
35	TUNGSTEN HEATER-2	30/2			3000			
					3600	----	------	36
37	------	----	3000					
			0				SPACE	38
39	TUNGSTEN HEATER-3	30/2		3000				
				0			SPACE	40
41	------	----			3000			
					0		SPACE	42
	Total VA load/phase:		12420	12900	12420			
	Amps/phase:		103.5	107.5	103.5			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		37740	0	0		37740	
	Average amps/phase:		104.8				104	

NOTE:

THREE SPACES IN PANEL "A" SHALL BE PERMANENTLY LABELED, "FOR FUTURE SOLAR ELECTRIC"

PANEL B SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	225A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	RECEPT KITCHEN GFI	20/1	720					
			1080			20/1	RECEPT MEZZANINE	2
3	FREEZER #10	20/1		690				
				900		20/1	RECEPT BARREL E. GFI	4
5	SLICER #11	20/1			345			
					1080	20/1	RECEPT OFFICE	6
7	PIZZA PREP #20	20/1	450					
			500			20/3	208V RECEPT BARREL E.	8
9	REFRIGERATOR #21	20/1		450				
				500		----	------	10
11	WORKTOP #22	20/1			540			
					500	----	------	12
13	ICEMAKER #23	20/1	805					
			500			20/3	208V RECEPT BARREL E.	14
15	TURBOCHEF #12	30/2		2995				
				500		----	------	16
17	------	----			2995			
					500	----	------	18
19	SPARE	15/2	0					
			500			20/3	208V RECEPT BARREL E.	20
21	------	----		0				
				500		----	------	22
23	SPARE	20/2			0			
					500	----	------	24
25	------	----	0					
			600			30/3	208V RECEPT BARREL E.	26
27	FC-4	15/2		600				
				600		----	------	28
29	------	----			600			
					600	----	------	30
31	AC-4	40/2	1900					
			0				SPACE	32
33	------	----		1900				
				0			SPACE	34
35	SPACE							
					0		SPACE	36
37	SPACE		0					
			5616			50/3	WAREWASHER #3	38
39	SPACE			0				
				5616		----	------	40
41	SPACE				0			
					5616	----	------	42
	Total VA load/phase:		12671	15251	13276			
	Amps/phase:		105.6	127.1	110.6			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		41198	4000	1000		42198	
	Average amps/phase:		114.4				117	

PANEL C SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	225A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	208V RECEPT CRUSH W.	20/3	500					
			1080			20/1	RECEPT CRUSH WEST	2
3	------	----		500				
				0		20/1	SPARE	4
5	------	----			500			
					0	20/1	SPARE	6
7	208V RECEPT CRUSH W.	20/3	500					
			1800			20/3	208V RECEPT CRUSH W.	8
9	------	----		500				
				1800		----	------	10
11	------	----			500			
					1800	----	------	12
13	208V RECEPT CRUSH W.	20/3	500					
			1200			20/3	208V RECEPT CRUSH W.	14
15	------	----		500				
				1200		----	------	16
17	------	----			500			
					1200	----	------	18
19	SPACE		0					
			1800			20/3	208V RECEPT CRUSH W.	20
21	SPACE			0				
				1800		----	------	22
23	SPACE				0			
					1800	----	------	24
25	SPACE		0					
			1800			20/3	208V RECEPT CRUSH W.	26
27	SPACE			0				
				1800		----	------	28
29	SPACE				0			
					1800	----	------	30
31	SPACE		0					
			1800			20/3	208V RECEPT CRUSH W.	32
33	SPACE			0				
				1800		----	------	34
35	SPACE				0			
					1800	----	------	36
37	SPACE		0					
			0				SPACE	38
39	SPACE			0				
				0			SPACE	40
41	SPACE				0			
					0		SPACE	42
	Total VA load/phase:		10980	9900	9900			
	Amps/phase:		91.5	82.5	82.5			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		30780	0	0		30780	
	Average amps/phase:		85.5				85	

PANEL D SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	225A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	SPARE	20/1	0					
			1080			20/1	RECEPT CRUSH EAST	2
3	SPARE	20/1		0				
				0		20/1	SPARE	4
5	SPARE	20/1			0			
					0	20/1	SPARE	6
7	SPARE	20/1	0					
			500			20/3	208V RECEPT CRUSH E.	8
9	SPARE	20/1		0				
				500		----	------	10
11	SPARE	20/1			0			
					500	----	------	12
13	SPACE		0					
			500			20/3	208V RECEPT CRUSH E.	14
15	SPACE			0				
				500		----	------	16
17	SPACE				0			
					500	----	------	18
19	SPACE		0					
			500			20/3	208V RECEPT CRUSH E.	20
21	SPACE			0				
				500		----	------	22
23	SPACE				0			
					500	----	------	24
25	SPACE		0					
			600			30/3	208V RECEPT CRUSH E.	26
27	SPACE			0				
				600		----	------	28
29	SPACE				0			
					600	----	------	30
31	TUNGSTEN HEATER-4	30/2	3000					
			5040			50/3	208V RECEPT CRUSH E.	32
33	------	----		3000				
				5040		----	------	34
35	TUNGSTEN HEATER-5	30/2			3000			
					5040	----	------	36
37	------	----	3000					
			0				SPACE	38
39	TUNGSTEN HEATER-6	30/2		3000				
				0			SPACE	40
41	------	----			3000			
					0		SPACE	42
	Total VA load/phase:		14220	13140	13140			
	Amps/phase:		118.5	109.5	109.5			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		40500	0	0		40500	
	Average amps/phase:		112.5				112	

PANEL E SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	225A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	SPARE	20/1	0					
			720			20/1	RECEPT BARREL SOUTH	2
3	SPARE	20/1		0				
				0		20/1	SPARE	4
5	SPARE	20/1			0			
					1080	20/1	RECEPT OUTDOOR SO	6
7	SPARE	20/1	0					
			500			20/3	208V RECEPT CRUSH SO	8
9	SPARE	20/1		0				
				500		----	------	10
11	SPARE	20/1			0			
					500	----	------	12
13	SPACE		0					
			500			20/3	208V RECEPT CRUSH SO	14
15	SPACE			0				
				500		----	------	16
17	SPACE				0			
					500	----	------	18
19	SPACE		0					
			500			20/3	208V RECEPT CRUSH SO	20
21	SPACE			0				
				500		----	------	22
23	SPACE				0			
					500	----	------	24
25	TUNGSTEN HEATER-7	30/2	3000					
			600			30/3	208V RECEPT CRUSH SO	26
27	------	----		3000				
				600		----	------	28
29	TUNGSTEN HEATER-8	30/2			3000			
					600	----	------	30
31	------	----	3000					
			0				SPACE	32
33	TUNGSTEN HEATER-9	30/2		3000				
				0			SPACE	34
35	------	----			3000			
					0		SPACE	36
37	WH-2	70/3	8000					
			0				SPACE	38
39	------	----		8000				
				0			SPACE	40
41	------	----			8000			
					0		SPACE	42
	Total VA load/phase:		16820	16100	17180			
	Amps/phase:		140.2	134.2	143.2			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		50100	0	0		50100	
	Average amps/phase:		139.2				139	

PANEL F SCHEDULE

Type:	Bolt-on	**AIC:**	10,000 SCA
Voltage Rating:	120/208V 3 phase 4 wire	**Notes:**	
Enclosure and Mounting:	NEMA 1 FLUSH		
Main Breaker Ampacity:	MLO		
Buss Ampacity:	225A		

NO	LOAD	C/B Trip	PHASE A LOAD	PHASE B LOAD	PHASE C LOAD	C/B Trip	LOAD	NO
1	RECEPT BAR WEST	20/1	720					
			540			20/1	RECEPT MEZZANINE	2
3	RECEPT BAR EAST	20/1		720				
				1080		20/1	RECEPT OFFICE, HALL	4
5	RECEPT WHITE REF, ICE	20/1			1200			
					720	20/1	RECEPT OUTDOOR GFI	6
7	RECEPT POS,RED,WELL	20/1	860					
			1200			20/1	RECEPT LAUNDRY	8
9	SPARE	20/1		0				
				1080		20/1	RECEPT GFI RR, LAUNDRY	10
11	SPARE	20/1			0			
					540	20/1	RECEPT CTR,WATER DISP	12
13	DISHWASHER #8	40/3	2640					
			0			20/1	SPARE	14
15	------	----		2640				
				1260		20/1	RECEPT TASTING RM	16
17	------	----			2640			
					0	20/1	SPARE	18
19	SPLIT BUS						SPLIT BUS	
								20
21								
								22
23								
								24
25	FC-1	15/2	912					
			0				SPACE	26
27	------	----		912				
				0			SPACE	28
29	FC-2	15/2			912			
					0		SPACE	30
31	------	----	912					
			1740			30/2	AC-3	32
33	FC-3	15/2		432				
				1740		----	------	34
35	------	----			432			
					3936	50/2	AC-2	36
37	WH-1	40/3	4000					
			3936			----	------	38
39	------	----		4000				
				3936		50/2	AC-1	40
41	------	----			4000			
					3936	----	------	42
	Total VA load/phase:		17460	17800	18316			
	Amps/phase:		145.5	148.3	152.6			
				LCL	X 0.25		TOTAL + LCL	
	Total VA Load:		53576	7872	1968		55544	
	Average amps/phase:		148.8				154	

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4MO DESIGN

BRUCE JOSEPH MANNING
C 38456
EXP. 03/31/27

14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
Single Line Diagram, Panel Schedules & Load Summary

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/19/2024
Revision:
1 Plan Check 9/24/2024
3 Plan Check 11/11/2024
4 Plan Check 3/12/2025

Sheet no.:
E3.0

WATER FIXTURE UNITS			
FIXTURE DESCRIPTION	QTY.	WATER FU'S	TOTAL WATER FU'S
WATER CLOSET	4	15	60
LAVATORY	4	1	4
URINAL	2	10	20
SINK	4	2	8
CLOTHES WASHER	1	4	4
WATER OUTLET	3	1	3
HOSE BIBB	1	2.5	2.5
HOSE BIBB, ADDN'L	2	1	2
		TOTAL	103.5
*PER TABLE 610.3 & 610.4 OF THE CALIFORNIA PLUMBING CODE <=300'			1-1/2" WATER
MAXIMUM 68 PSI AND MINIMUM 62 PSI WATER PRESSURE			

DRAINAGE FIXTURE UNITS			
FIXTURE DESCRIPTION	QTY.	DRAINAGE FU'S	TOTAL DRAINAGE FU'S
WATER CLOSET	4	4	16
LAVATORY	4	1	4
URINAL	2	2	4
SINK	4	2	8
CLOTHES WASHER	1	3	3
FLOOR SINK	4	2	8
		TOTAL	43
*PER TABLE 702.1 & 703.2 OF THE CALIFORNIA PLUMBING CODE			4" WASTE

CONSTRUCTION NOTES:

① POC-CONNECT NEW UNDERGROUND WASTE LINE TO EXISTING 4" SEWER LINE. SEE SITE UTILITY PLAN FOR CONTINUATION. VERIFY LOCATION PRIOR TO CONSTRUCTION.

② POC-CONNECT NEW UNDERGROUND COLD WATER LINE TO EXISTING COLD WATER LINE. SEE SITE UTILITY PLAN FOR CONTINUATION. VERIFY LOCATION PRIOR TO CONSTRUCTION.

③ 3"W. DN., 2"V. UP, 1" CW.

④ 2"W. DN., 1-1/2"V. UP, 1/2" CW FROM TP-1 BELOW FLOOR TO FD-1. SEE DETAIL 5, SHEET P3.0.

⑤ 1/2" CW FROM TP-1 BELOW FLOOR TO FD-1. SEE DETAIL 4, SHEET P3.0.

⑥ 2"W. DN., 1-1/2"V. UP, 1/2" CW & HW. FOR KNEE CLEARANCE, SEE DETAIL 2, SHEET P3.0.

⑦ ELECTRIC STORAGE WATER HEATER. INSTALL ON MEZZANINE FLOOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 1/P3.0.

⑧ 3/4" TEMPERATURE & PRESSURE RELIEF TO EXTERIOR OF BUILDING. TERMINATE @ 6" AFG.

⑨ INSTALL SYMMONS TEMPCONTROL #6-102 MECHANICAL MIXING VALVE ON HOT WATER SUPPLY TO FAUCET BELOW LAVATORY. VALVE TO BE SET AT 110 DEGREES.

⑩ 2"W. DN., 1-1/2"V. UP, 3/4" CW.

⑪ 2"W. DN., 1-1/2"V. UP, 1/2" CW & HW.

⑫ 1/2"W. CW.

⑬ 1/2"W. HW.

⑭ 3/4"W. CW.

⑮ 2"W. DN., 1-1/2"V. UP. SEE DETAIL 5, SHEET P3.0.

⑯ 3/4" CONDENSATE DRAIN FROM FAN COIL, SLOPE AT 1%, DOWN WALL TO FLOOR SINK W/AIR GAP OR SINK TAIL PIECE W/ APPROVED FITTING PER DETAIL 9/P3.0. REFER TO M1.1 & M1.2. VERIFY LOCATION PRIOR TO CONSTRUCTION.

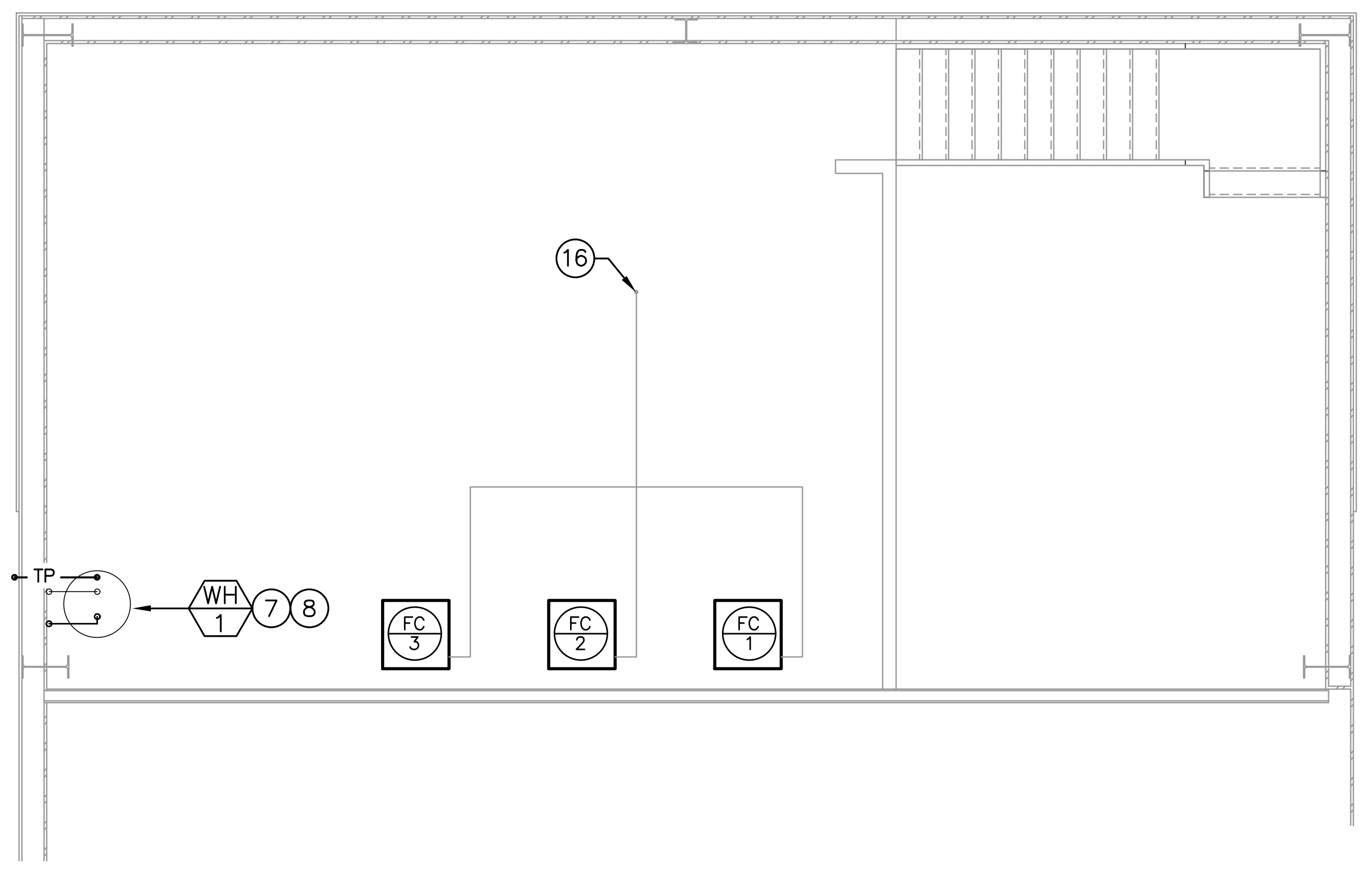
⑰ POC-CONNECT NEW UNDERGROUND WASTE LINE TO EXISTING 4" WASTE LINE TO BIO-RETENTION TANK. SEE SITE UTILITY PLAN FOR CONTINUATION. VERIFY LOCATION PRIOR TO CONSTRUCTION.

⑱ INSTALL WATER FILTER ON COLD WATER.

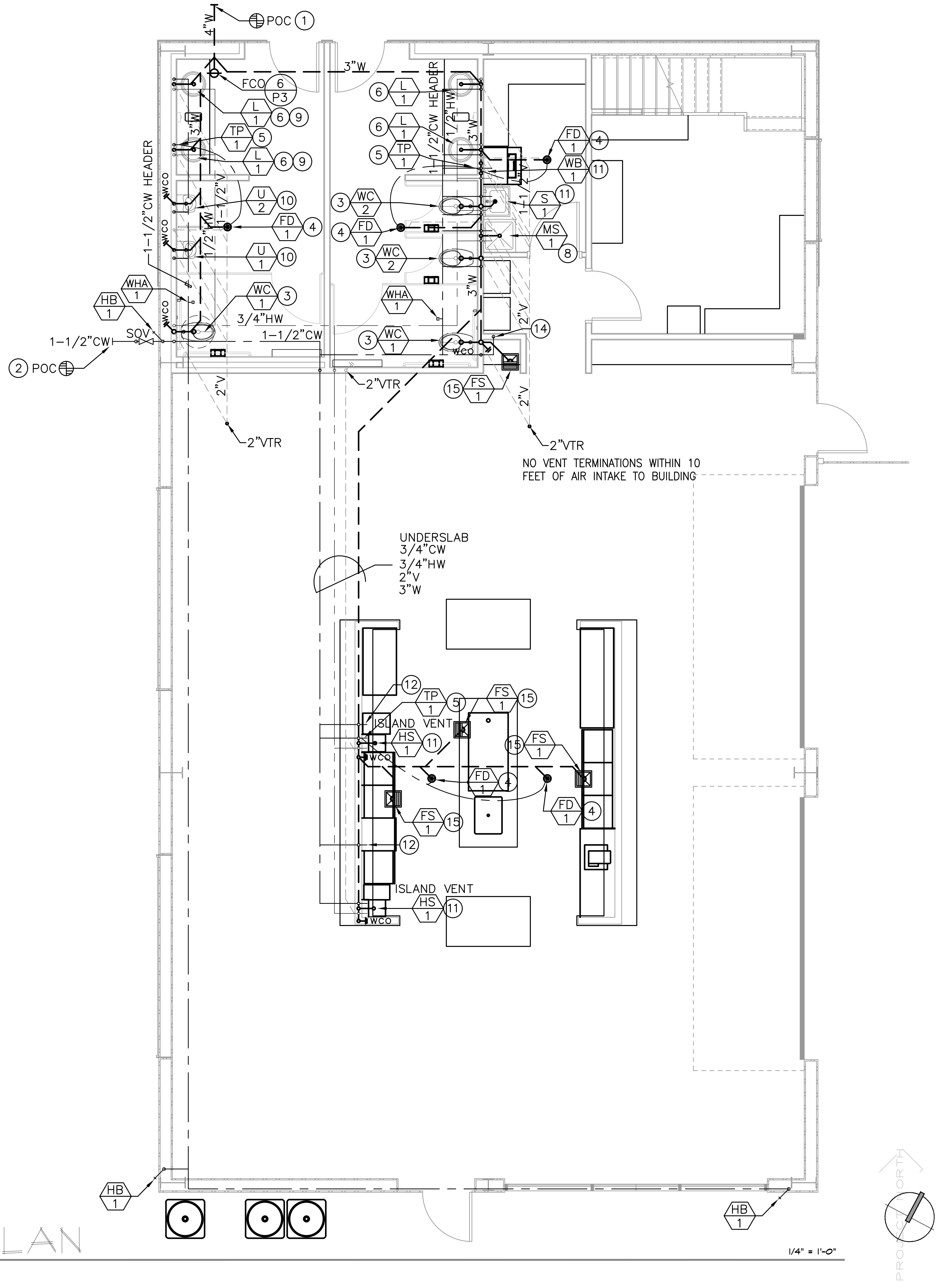
⑲ 1-1/2" INDIRECT WASTE WITH AIR GAP TO FLOOR SINK, 1/2" CW & HW.

GENERAL NOTES:

1. ALL WASTE LINES SHALL SLOPE 2% MIN.
2. FOR INDIVIDUAL FIXTURE BRANCH LINE SIZES, SEE PLUMBING FIXTURE SCHEDULE ON SHEET P2.0.
3. PLUMBING VENT TERMINATIONS SHALL BE AT LEAST 10 FEET HORIZONTAL FROM ANY AIR INTAKE.



BLDG A MEZZ. PLAN 1/4" = 1'-0"



BLDG A PLUMBING PLAN 1/4" = 1'-0"

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4MO DESIGN

REGISTERED PROFESSIONAL ENGINEER
BRUCE JOSEPH MANNING
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CIVIL
STATE OF CALIFORNIA

14 MAR 2025

Project:

WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
BLDG A
PLUMBING PLAN

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/18/2024
Revision:

Sheet no.:
P1.1

WATER FIXTURE UNITS			
FIXTURE DESCRIPTION	QTY.	WATER FU'S	TOTAL WATER FU'S
SINK	7	2	14
WATER OUTLET	3	1	3
HOSE BIBB	1	2.5	2.5
HOSE BIBB, ADDN'L	4	1	4
		TOTAL	24.5
*PER TABLE 610.3 & 610.4 OF THE CALIFORNIA PLUMBING CODE <=300'			1-1/4" WATER
MAXIMUM 68 PSI AND MINIMUM 62 PSI WATER PRESSURE			

DRAINAGE FIXTURE UNITS			
FIXTURE DESCRIPTION	QTY.	DRAINAGE FU'S	TOTAL DRAINAGE FU'S
SINK	7	2	14
FLOOR SINK	2	2	4
		TOTAL	18
*PER TABLE 702.1 & 703.2 OF THE CALIFORNIA PLUMBING CODE			3" WASTE

CONSTRUCTION NOTES:

① POC-CONNECT NEW UNDERGROUND WASTE LINE TO EXISTING 4" SEWER LINE. SEE SITE UTILITY PLAN FOR CONTINUATION. VERIFY LOCATION PRIOR TO CONSTRUCTION.

② POC-CONNECT NEW UNDERGROUND COLD WATER LINE TO EXISTING COLD WATER LINE. SEE SITE UTILITY PLAN FOR CONTINUATION. VERIFY LOCATION PRIOR TO CONSTRUCTION.

③ 3"W. DN., 2"V. UP, 1" CW.

④ 2"W. DN., 1-1/2"V. UP, 1/2" CW FROM TP-1 BELOW FLOOR TO FD-1. SEE DETAIL 5, SHEET P3.0.

⑤ 1/2" CW FROM TP-1 BELOW FLOOR TO FD-1. SEE DETAIL 4, SHEET P3.0.

⑥ 2"W. DN., 1-1/2"V. UP, 1/2" CW & HW. FOR KNEE CLEARANCE, SEE DETAIL 2, SHEET P3.0.

⑦ ELECTRIC STORAGE WATER HEATER. INSTALL ON MEZZANINE FLOOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND DETAIL 1/P3.0.

⑧ 3/4" TEMPERATURE & PRESSURE RELIEF TO EXTERIOR OF BUILDING. TERMINATE @ 6" AFG.

⑨ INSTALL SYMMONS TEMPCONTROL #6-102 MECHANICAL MIXING VALVE ON HOT WATER SUPPLY TO FAUCET BELOW LAVATORY. VALVE TO BE SET AT 110 DEGREES.

⑩ 2"W. DN., 1-1/2"V. UP, 3/4" CW.

⑪ 2"W. DN., 1-1/2"V. UP, 1/2" CW & HW.

⑫ 1/2"W. CW.

⑬ 1/2"W. HW.

⑭ 3/4"W. CW.

⑮ 2"W. DN., 1-1/2"V. UP. SEE DETAIL 5, SHEET P3.0.

⑯ 3/4" CONDENSATE DRAIN FROM FAN COIL, SLOPE AT 1%, DOWN WALL TO FLOOR SINK W/AIR GAP OR SINK TAIL PIECE W/ APPROVED FITTING PER DETAIL 9/P3.0.
REFER TO M1.1 & M1.2.
VERIFY LOCATION PRIOR TO CONSTRUCTION.

⑰ POC-CONNECT UNDERGROUND WASTE LINE TO 4" WASTE LINE TO BIO-RETENTION TANK. SEE SITE UTILITY PLAN FOR CONTINUATION.
VERIFY LOCATION PRIOR TO CONSTRUCTION.

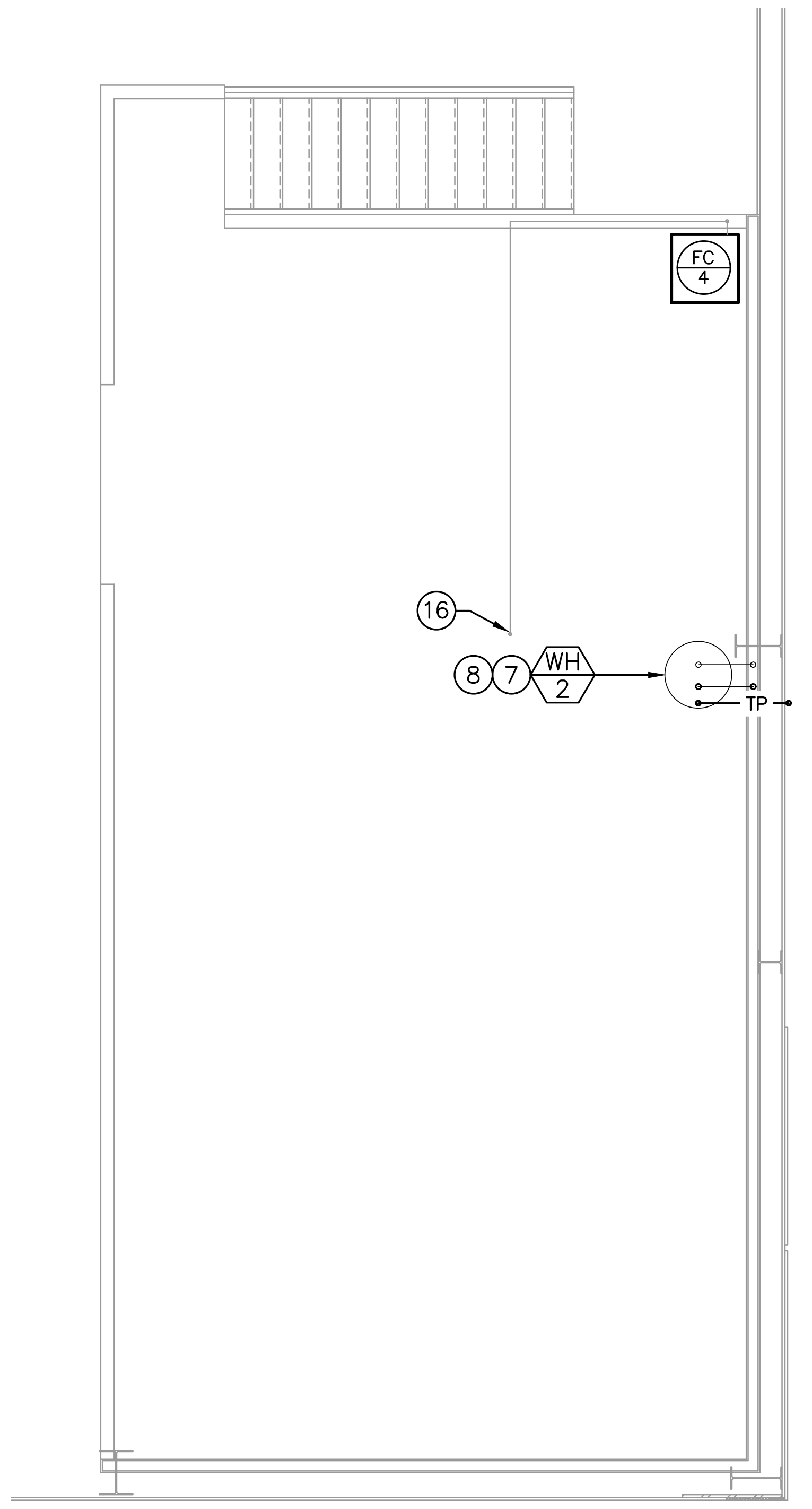
⑱ INSTALL WATER FILTER ON COLD WATER.

⑲ 1-1/2" INDIRECT WASTE WITH AIR GAP TO FLOOR SINK, 1/2" CW & HW.

⑳ 6" SAMPLING WYE W/4" RISER TO GRADE.
INSTALL PER DETAIL 7/P3.0.

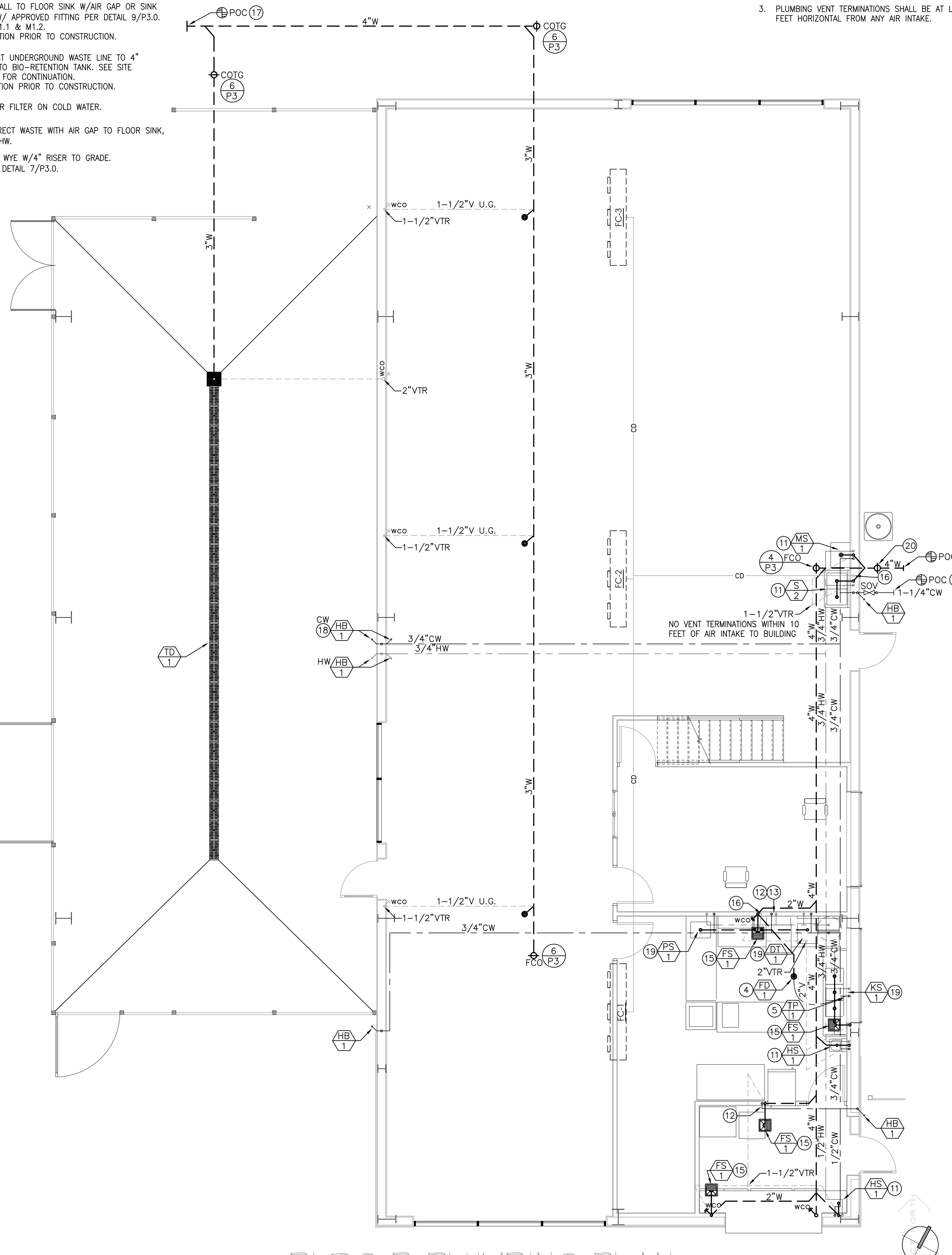
GENERAL NOTES:

1. ALL WASTE LINES SHALL SLOPE 2% MIN.
2. FOR INDIVIDUAL FIXTURE BRANCH LINE SIZES, SEE PLUMBING FIXTURE SCHEDULE ON SHEET P2.0.
3. PLUMBING VENT TERMINATIONS SHALL BE AT LEAST 10 FEET HORIZONTAL FROM ANY AIR INTAKE.



BLDG B MEZZ. PLAN

1/4" = 1'-0"



BLDG B PLUMBING PLAN

1/4" = 1'-0"

PROJECT NORTH

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EXP. 03/31/27
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Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
BLDG B
PLUMBING PLAN

Project no.: 24001
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Sheet no.:
P1.2

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	MINIMUM CONNECTION SIZES					DESCRIPTION/REMARKS
		W	V	CW	HW	GAS	
L 1	ADA LAVATORY	1½"	1½"	1/2"	1/2"	–	UNDERMOUNT LAVATORY, SLOAN SS–3021 W/SLOAN EAF–200 POWERED SENSOR MIXING FAUCET SET AT 120 DEGREES, 0.5 GPM @ 60 PSI FLOW RESTRICTOR, ESD–2000 SOAP DISPENSER, DRAIN, INSULATION ON CW, HW, AND DRAIN, A.D.A. COMPLIANT. P–TRAP & HOT WATER SUPPLY MUST BE WRAPPED FOR HANDICAPPED SCALD PROTECTION.
WC 1	ADA WATER CLOSET	3"	2"	1"	–	–	1.28 WATER–SAVER TOILET, SLOAN WETS–2453.1401 OR EQUIVALENT, WALL MOUNTED VITREOUS CHINA, TOUCHLESS TOP SPUD FLUSH VALVE, ELONGATED BOWL W/SEAT AND COVER, SEAT @ 17"–19" A.F.F. FLUSH CONTROL @ 44" A.F.F. A.D.A. COMPLIANT
WC 2	WATER CLOSET	3"	2"	1"	–	–	1.28 WATER–SAVER TOILET, SLOAN WETS–2453.1401 OR EQUIVALENT, WALL MOUNTED VITREOUS CHINA, TOUCHLESS TOP SPUD FLUSH VALVE, ELONGATED BOWL W/SEAT AND COVER
U 1	ADA URINAL	2"	1½"	3/4"	–	–	0.125 GPF HIGH–EFFICIENCY URINAL, SLOAN WEUS–7005.1410, TOUCHLESS FLUSH VALVE W/ TOP SPUD, ELONGATED RIM @ MAX. 17"A.F.F., FLUSH CONTROL @ MAX. 44" A.F.F., A.D.A. COMPLIANT
U 2	URINAL	2"	1½"	3/4"	–	–	0.125 GPF HIGH–EFFICIENCY URINAL, SLOAN WEUS–7005.1410, TOUCHLESS FLUSH VALVE W/ TOP SPUD, ELONGATED RIM
WHA 1	WATER HAMMER ARRESTOR	–	–	–	–	–	PRECISION PLUMBING PRODUCTS MODEL "SC SERIES" (SEE PLANS FOR SIZE) INSTALLED ON ALL QUICK CLOSING VALVES AND VALVES WHICH CLOSE WITH THE FLOW OF WATER OR ON ALL HEADERS SERVING MORE THAN ONE FIXTURE.
MS 1	MOP SINK	2"	1½"	1/2"	1/2"	–	FLOOR MOUNTED MOP SINK (CLIENT SPECIFIED) W/ MIXING FAUCET, 1.8 GPM @ 60 PSI FLOW RESTRICTOR & APPROVED BACKFLOW PREVENTION DEVICE
FD 1	FLOOR DRAIN	2"	1½"	1/2"	–	–	J.R. SMITH 2005–A–P, CAST IRON BODY, 5" DIA. POLISHED BRONZE STRAINER. FLASHING COLLAR AND TRAP PRIMER CONNECTION.
TP 1	TRAP PRIMER	–	–	1/2"	–	–	PRECISION PLUMBING PRODUCTS P–2 COPPER BODY, ADJUSTABLE WITH 1/2" COPPER TYPE "L" TO RECEPTOR. SEE DRAWINGS FOR CONNECTION.
WB 1	WASHER BOX	2"	1½"	1/2"	1/2"	–	WASHING MACHINE OUTLET BOX, OATEY QUATTRO OR EQUIVALENT
S 1	SERVICE SINK	2"	1½"	1/2"	1/2"	–	SINGLE COMPARTMENT SERVICE SINK ON LEGS, JOHN BOOS & CO. 1B16204 OR APPROVED EQUAL. MIXING FAUCET, BACKSLASH MOUNT, FISHER 13242 OR APPROVED EQUAL, W/ APPROVED BACKFLOW PREVENTION DEVICE & 1.8 GPM @ 60 PSI FLOW RESTRICTOR AND DRAIN KIT.
S 2	UTILITY SINK	2"	1½"	1/2"	1/2"	–	DOUBLE COMPARTMENT UTILITY SINK ON LEGS, JOHN BOOS & CO. E2S–1620–12 OR APPROVED EQUAL. MIXING FAUCET, BACKSLASH MOUNT, FISHER 13242 OR APPROVED EQUAL, W/ APPROVED BACKFLOW PREVENTION DEVICE & 1.8 GPM @ 60 PSI FLOW RESTRICTOR AND DRAIN KIT.
MS 1	MOP SINK	2"	1½"	1/2"	1/2"	–	FLOOR MOUNTED MOP SINK, JOHN BOOS & CO. PBMS2016–6. WALL MOUNT MIXING FAUCET, FISHER 8253 W/ APPROVED BACKFLOW PREVENTION DEVICE & 1.8 GPM @ 60 PSI FLOW RESTRICTOR, OR APPROVED EQUAL.
DT 1	DISHTABLE	INDI–RECT	–	1/2"	1/2"	–	STAINLESS STEEL DISHTABLE, JOHN BOOS & CO. SDT4–S48SBK–R OR APPROVED EQUAL, PRE–RINSE/SPRAY DECK MOUNT FAUCET, FISHER 2010–WB OR APPROVED EQUAL W/1.8 GPM @ 60 PSI FLOW RESTRICTOR.
KS 1	3 COMPARTMENT SINK	INDI–RECT	–	1/2"	1/2"	–	STAINLESS STEEL THREE COMPARTMENT SINK W/DOUBLE DRAINBOARDS, JOHN BOOS & CO. 3PB1618–2D18 OR APPROVED EQUAL, WALL MOUNT FAUCET, FISHER 13242 OR APPROVED EQUAL W/1.8 GPM @ 60 PSI FLOW RESTRICTOR.
PS 1	PREP SINK	INDI–RECT	–	1/2"	1/2"	–	STAINLESS STEEL ONE COMPARTMENT SINK, UNIVERSAL MODEL BS2124–1, SPRAY FAUCET W/1.8 GPM @ 60 PSI FLOW RESTRICTOR.
HS 1	HAND SINK	1½"	1½"	1/2"	1/2"	–	WALL MOUNT STAINLESS STEEL HAND SINK WITH SLASH GUARD, SOAP DISPENSER, LEVER OR KNEE OPERATED GOOSENECK FAUCET W/1.8 GPM @ 60 PSI FLOW RESTRICTOR, DRAIN KIT. KROWNE HS–32 OR APPROVED EQUAL.
FS 1	FLOOR SINK	2"	1½"	–	–	–	GSW 12"X 12"X 6" FLOOR SINK, MODEL #1262 OR APPROVED EQUAL, CAST IRON CERAMIC
TD 1	TRENCH DRAIN	3"	2"	–	–	–	6" WIDE TRENCH DRAIN W/ADA COMPLIANT GRATE & 4" IN LINE CATCH BASIN. ZURN ZFV806 & Z887–24, ACO S100K OR APPROVED EQUAL.
WH 1	WATER HEATER	–	–	3/4"	3/4"	–	AO SMITH 30 GALLON STORAGE DSE–30, 12,000 WATT, 0.93 EF. 168 LBS.
WH 2	WATER HEATER	–	–	3/4"	3/4"	–	AO SMITH 50 GALLON STORAGE DRE–52, 24,000 WATT, 0.93 EF. 265 LBS.
HB 1	HOSE BIB	–	–	1/2"	–	–	J.R. SMITH 5609QT OR EQUAL W/ ANTI–SIPHON VALVE

PLUMBING GENERAL NOTES

1. THE PLUMBING SYSTEM DESIGN, INSTALLATION AND MATERIALS SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE (IAPMO) AND LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
2. PLUMBING QUALITY AND WEIGHTS OF MATERIALS, ALTERNATE METHODS OF CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF THE CALIFORNIA PLUMBING CODE.
3. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THESE DRAWINGS AND SPECIFICATIONS WITH ALL DISCIPLINES AND TRADES PRIOR TO SUBMITTAL OF BID AND INSTALLATION OF SYSTEM.
4. ALL PLUMBING FIXTURE LOCATIONS (WATER CLOSETS, LAVATORIES ETC.) ARE DIAGRAMMATIC AND CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR HANDICAP FIXTURES, EXACT LOCATIONS, MOUNTING HEIGHTS AND COLOR.
5. ANY DEVIATIONS FROM THE DRAWINGS OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION.
6. THESE DRAWINGS DO NOT INCLUDE ALL NECESSARY SAFETY REQUIREMENTS. CONTRACTOR TO COMPLY TO SAFETY REQUIREMENTS SET FORTH BY THE LOCAL AUTHORITIES HAVING JURISDICTION.
7. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTAL OF BID AND FAMILIARIZE HIMSELF WITH EXISTING CONDITIONS. SUBMITTAL OF BID WILL VERIFY THAT THE CONTRACTOR HAS VISITED THE SITE.
8. TRAP PRIMERS FOR FLOOR DRAINS AND WATER HAMMER ARRESTORS, IF APPLICABLE, TO BE INSTALLED AS PER THE LATEST UPC AND THE LATEST EDITION OF THE AMERICAN SOCIETY OF SANITARY ENGINEERING (ASSE 1010) SIZING AND INSTALLATION REQUIREMENTS.
9. ALL SERVICE WATER HEATING EQUIPMENT TO BE IN COMPLIANCE WITH ALL CALIFORNIA ENERGY STANDARDS REQUIREMENTS AND APPLICABLE REGULATIONS HAVING JURISDICTION.
10. CONTRACTOR TO REFER TO PLUMBING FIXTURE SCHEDULE FOR INDIVIDUAL WASTE, VENT & WATER CONNECTIONS AT EACH PLUMBING FIXTURE.
11. HOT WATER PIPE INSULATION SHALL HAVE A MINIMUM WALL THICKNESS OF NOT LESS THAN THE DIAMETER OF THE PIPE FOR A PIPE UP TO 2 INCHES (50 MM) IN DIAMETER. INSULATION WALL THICKNESS SHALL BE NOT LESS THAN 2 INCHES (51 MM) FOR A PIPE OF 2 INCHES (50 MM) OR MORE IN DIAMETER.
12. TEST SYSTEM(S) IN ACCORDANCE WITH REQUIREMENTS OF THE GOVERNING AUTHORITIES.
13. PROVIDE SUPPORTS FOR ALL WALL FIXTURES: SUPPORT WITH 3/8" THICK x 8" HIGH STEEL PLATES RECESSED AND BOLTED TO STUDS AND TAPPED FOR FIXTURE BOLTS. LENGTH OF PLATE AT LEAST ON STUD BEYOND FIXTURE, UNLESS CARRIERS ARE SPECIFIED.
14. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND STRUCTURAL FRAMING.
15. ALL INDIRECT WASTE PIPING ON ROOF SHALL BE TYPE "L'" COPPER NAILED TO 2" x 4" REDWOOD BLOCKING WITH PIPE STRAPS. BLOCKING SHALL BE SET IN MASTIC AT 6'–0" O.C. PIPING SHALL BE SLOPED TO AND TERMINATED AT AN APPROVED RECEPTOR.
16. ALL CLEANOUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE AND LOCATED AS PER CODE REQUIREMENTS. THE CONTRACTOR SHALL COORDINATE ALL CLEAN OUT LOCATIONS WITH EQUIPMENT, CABINETS, ETC., AND THE ARCHITECT PRIOR TO ANY INSTALLATION.
17. ALL PLUMBING FIXTURE VENTS TO TERMINATE A MIN. OF 12 INCHES FROM ANY VERTICAL SURFACE AND 10 FEET FROM OR TERMINATED 3'–0" ABOVE ANY OUTSIDE AIR INTAKES.
18. ALL PIPING DISCHARGING INTO FLOOR–SINKS AND/OR FLOOR–DRAINS TO HAVE A MIN. AIR–GAP AS REQUIRED BY LOCAL CODES.
19. ALL VALVES, UNIONS, ETC. TO BE SAME SIZE AS LINE SIZE UNLESS OTHERWISE INDICATED ON DRAWINGS.
20. UNIONS SHALL BE PROVIDED AND INSTALLED AFTER EACH SCREW–TYPE VALVE AND PRIOR TO EQUIPMENT CONNECTIONS.
21. ALL VALVES, TRAP PRIMERS, WATER HAMMER ARRESTORS OR OTHER EQUIPMENT SHOWN IN WALLS OR ABOVE NON–ACCESSIBLE CEILINGS SHALL BE INSTALLED BEHIND AN ACCESS PANEL.
22. BEFORE FABRICATION OR INSTALLATION, THIS CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL MECHANICAL EQUIPMENT AND EQUIPMENT PROVIDED UNDER ANOTHER SECTION OF SPECIFICATIONS. EXACT ROUGH–IN LOCATIONS AND REQUIREMENTS SHALL BE COORDINATED IN FIELD.
23. IF SOILS REPORT INDICATES THAT LOCAL SOIL IS CORROSIVE, ALL UNDERGROUND METALLIC PIPE AND FITTINGS SHALL BE PROTECTED IN ACCORDANCE WITH THE SOILS ENGINEER'S RECOMMENDATIONS.
24. ALL WASTE AND VENT PIPING SHALL SLOPE AT 2% UNLESS OTHERWISE INDICATED.
25. ALL EQUIPMENT SHALL BE LATERALLY SUPPORTED IN ALL DIRECTIONS TO RESIST A MIN. AIR–GAP AS REQUIRED BY LOCAL CODES.
26. NO PIPING SHALL BE DIRECTLY EMBEDDED IN CONCRETE OR MASONRY WALLS OR FOOTING.
27. ALL HORIZONTAL PIPING LINES EXTENDED AND CONNECTED TO EQUIPMENT SHALL BE RUN AT THE HIGHEST POSSIBLE ELEVATIONS AND NOT LESS THAN 6" ABOVE THE FLOOR TO PROVIDE CLEARANCE FOR CLEANING. AT WALL OR COLUMN LOCATIONS, PIPING ROUGH–IN SHALL BE STUBBED IN WALLS WHENEVER POSSIBLE.
28. THE PLUMBING CONTRACTOR SHALL VERIFY EXACT LOCATION, DEPTH AND SIZE OF ALL PIPING TO WHICH CONNECTIONS ARE REQUIRED AND SHALL COORDINATE ALL CONNECTIONS WITH THE GENERAL CONTRACTOR AND OTHER TRADES PRIOR TO BID.
29. ALL CONNECTIONS TO EXISTING SERVICES SHALL BE MADE SUCH THAT INTERRUPTION TIME WILL BE AS SHORT AS POSSIBLE. THE CONTRACTOR SHALL GIVE THE OWNER'S REPRESENTATIVE SUFFICIENT NOTICE OF SUCH INTERRUPTION AND THE ACTUAL SHUT–DOWN TIME SHALL BE AT A TIME DESIGNATED BY THE OWNER'S REPRESENTATIVE.
30. ALL CUTTING OF EXISTING PAVING, WALKS AND/OR FLOORS SHALL BE BY MACHINE SAW CUTTING. HOLES FOR PIPES IN CONCRETE WALLS OR FLOORS SHALL BE DONE USING CORE DRILLING EQUIPMENT.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE EXCAVATED AND/OR DAMAGED BY HIS OPERATIONS. IN ADDITION, THE CONTRACTOR SHALL RESTORE TO THEIR ORIGINAL CONDITION ALL AREAS DAMAGED BY HIS OPERATIONS.
32. ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED AGENCY.
33. BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION
———	S OR W	SOIL OR WASTE (ABOVE GRADE)
— — —	S OR W	SOIL OR WASTE (BELOW GRADE)
– – – – –	V	VENT
——CD——	CD	CONDENSATE DRAIN
—— – ——	CW	COLD WATER
—— – – ——	HW	HOT WATER
—— – – – – ——	HWR	HOT WATER RETURN
——G——	G	GAS (LOW PRESSURE)
——MPG——	MPG	GAS (MEDIUM PRESSURE 5 PSI)
——SD——	SD	STORM DRAIN
——⌀——	FCO	FLOOR CLEANOUT
——⊡——	COTG	CLEANOUT TO GRADE
——‖	WCO	WALL CLEANOUT
—⋈—	SOV	SHUT–OFF VALVE (BALL VALVE)
—⧄—	C.V.	CHECK VALVE
—⋈—	G.C.	GAS COCK
—⊠—	SOV	SHUT–OFF VALVE IN YARD BOX
—‖—	U	UNION
—⋈—	G.V.	GATE VALVE
——TP——	TP	TEMPERATURE & PRESSURE RELIEF
(E)	EXIST.	EXISTING
⊗	POC	POINT OF CONNECTION
	T/PRV	TEMPERATURE & PRESSURE RELIEF VALVE
	VTR	VENT THRU ROOF
	CONN	CONNECTION
	FU	FIXTURE UNITS
	GPM	GALLONS PER MINUTE
	AP	ACCESS PANEL
	W/	WITH
	DN	DOWN
	UP	UP
	VLF	VERIFY LOCATION IN FIELD

SCOPE OF WORK

1. INSTALL PLUMBING EQUIPMENT AND UTILITIES INCLUDING WATER, WASTE/VENT PIPING, CLEANOUTS, HANGERS, SUPPORTS, VALVES, AND ACCESSORIES AND MATERIALS SHOWN ON THESE PLANS OR AS NECESSARY IN COMPLIANCE WITH ALL CODES AND REGULATIONS HAVING JURISDICTION.
2. TEST ENTIRE SYSTEMS IN ACCORDANCE WITH ALL CODES AND REGULATIONS HAVING JURISDICTION.

CODE COMPLIANCE

THE 2022 EDITION OF THE CALIFORNIA PLUMBING CODE AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE.

THE 2022 EDITION OF THE CALIFORNIA ENERGY EFFICIENCY STANDARDS.

PIPE SIZING CHART

PIPE SIZE	GPM	FIXTURE UNIT		VELOCITY FT./SEC
		F.T.	F.V.	
1/2"	3	3	0	4
3/4"	8	10	0	5
1"	18	26	0	6
1 1/4"	28	49	11	6.6
1 1/2"	40	86	28	6.8
2"	70	225	108	7.9
2 1/2"	107	430	294	8.0

MATERIAL SCHEDULE

A. WATER PIPE – TYPE 'L' COPPER WITH WROUGHT COPPER FITTINGS AND "NO–LEAD" SOLDER OR SCHEDULE 40 PVC PIPE.
B. ALL HOT WATER PIPING SHALL BE INSULATED WITH INSULATION HAVING AN R–VALVE OF 4.0
C. SEWER AND VENT PIPE – BELOW AND ABOVE GRADE INSIDE BLDG., SERVICE WEIGHT (HUBLESS) CAST IRON SOIL PIPE AND MECHANICAL COUPLINGS W/ STAINLESS STEEL BOLTS, OR ABS PIPE AS APPROVED BY LOCAL AUTHORITIES.
D. CONDENSATE DRAIN PIPE – TYPE 'M' COPPER W/"NO–LEAD" SOLDER, OR SCHEDULE 40 PVC PIPE.
E. SUPPORT PIPING WITH CLEVIS OR SPLIT RING TYPE PIPE HANGERS.
F. GAS PIPING – SCHEDULE 40 BLACK STEEL WITH MALLEABLE SCREWED FITTINGS.
G. BALL VALVE – APOLLO SERIES 70.

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4MO DESIGN

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EXP. 03/31/27

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PLUMBING NOTES, LEGENDS & SCHEDULES

Project no.: 24001
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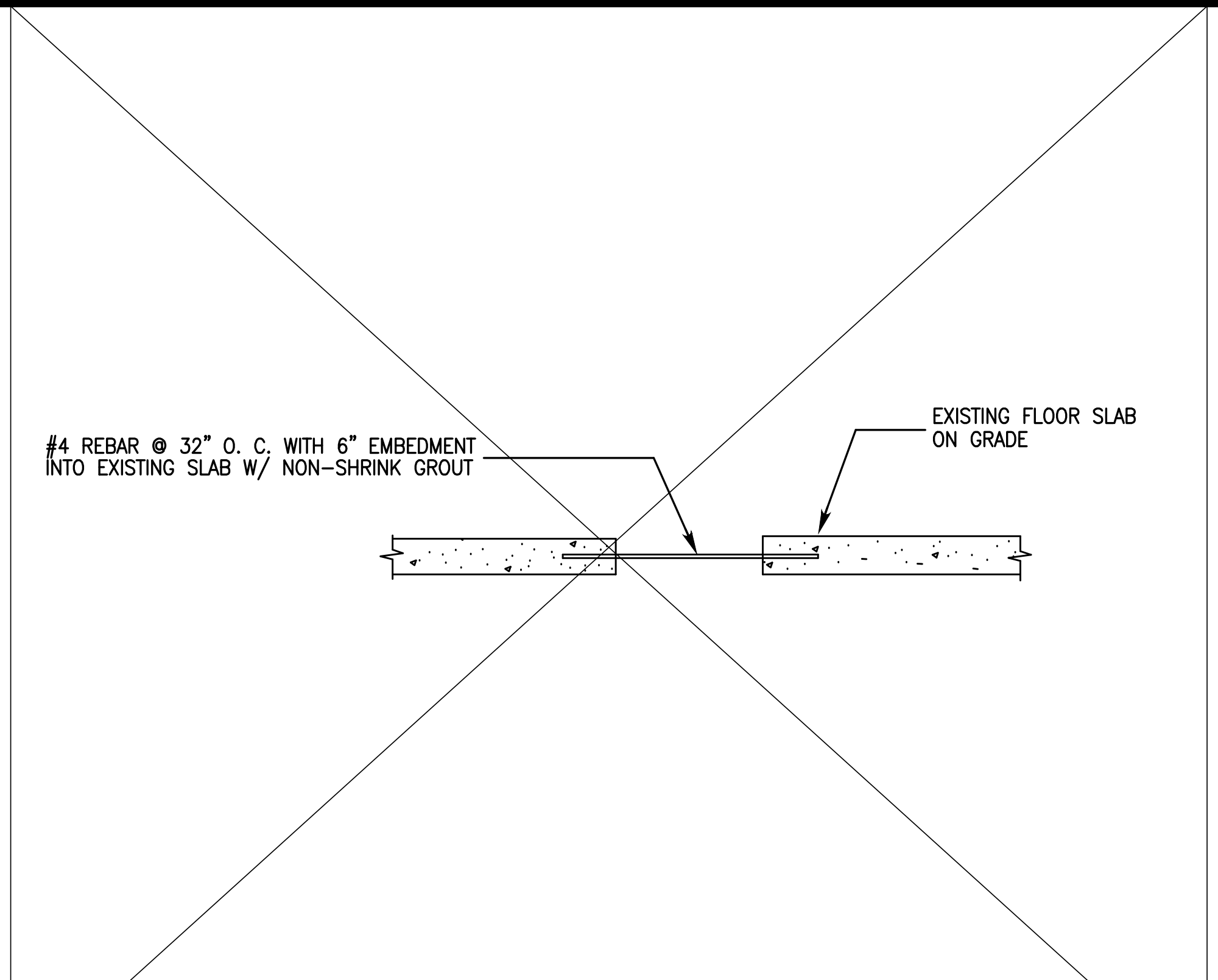
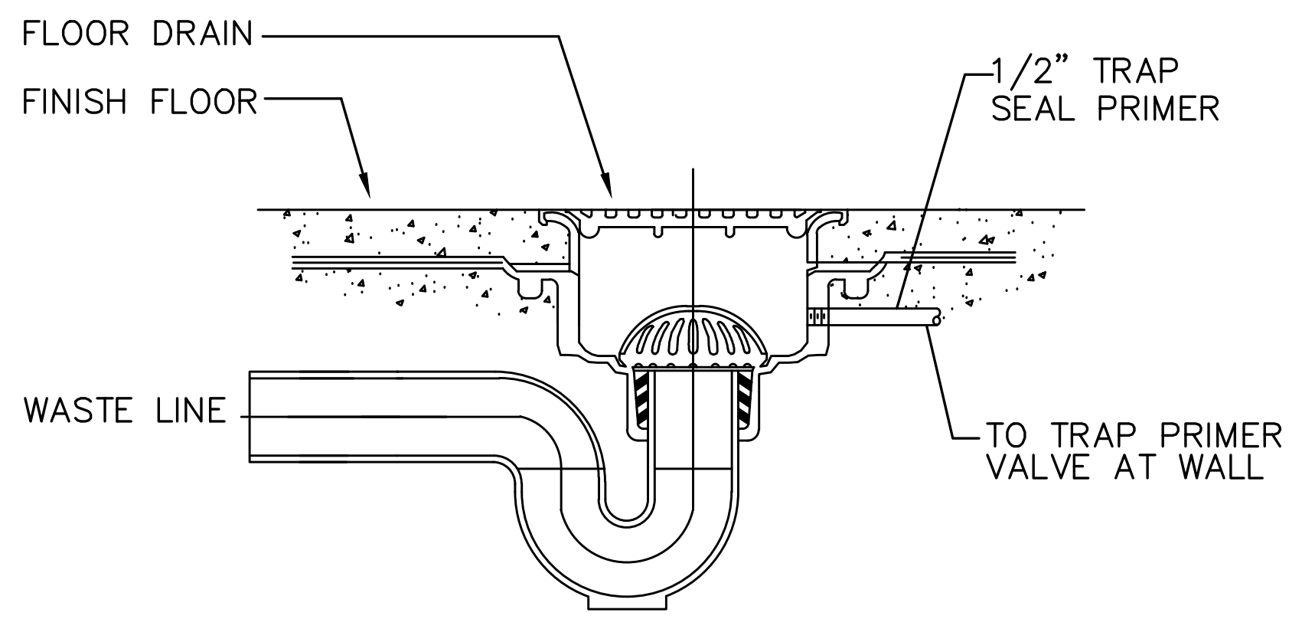
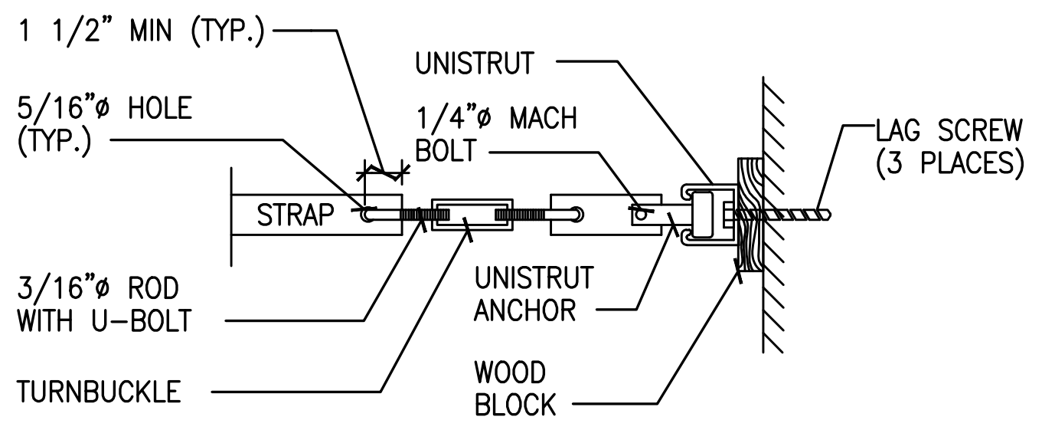

#4 REBAR @ 32" O. C. WITH 6" EMBEDMENT INTO EXISTING SLAB W/ NON-SHRINK GROUT
EXISTING FLOOR SLAB ON GRADE

7 SLAB SAW-CUT DOWELS
SCALE NTS



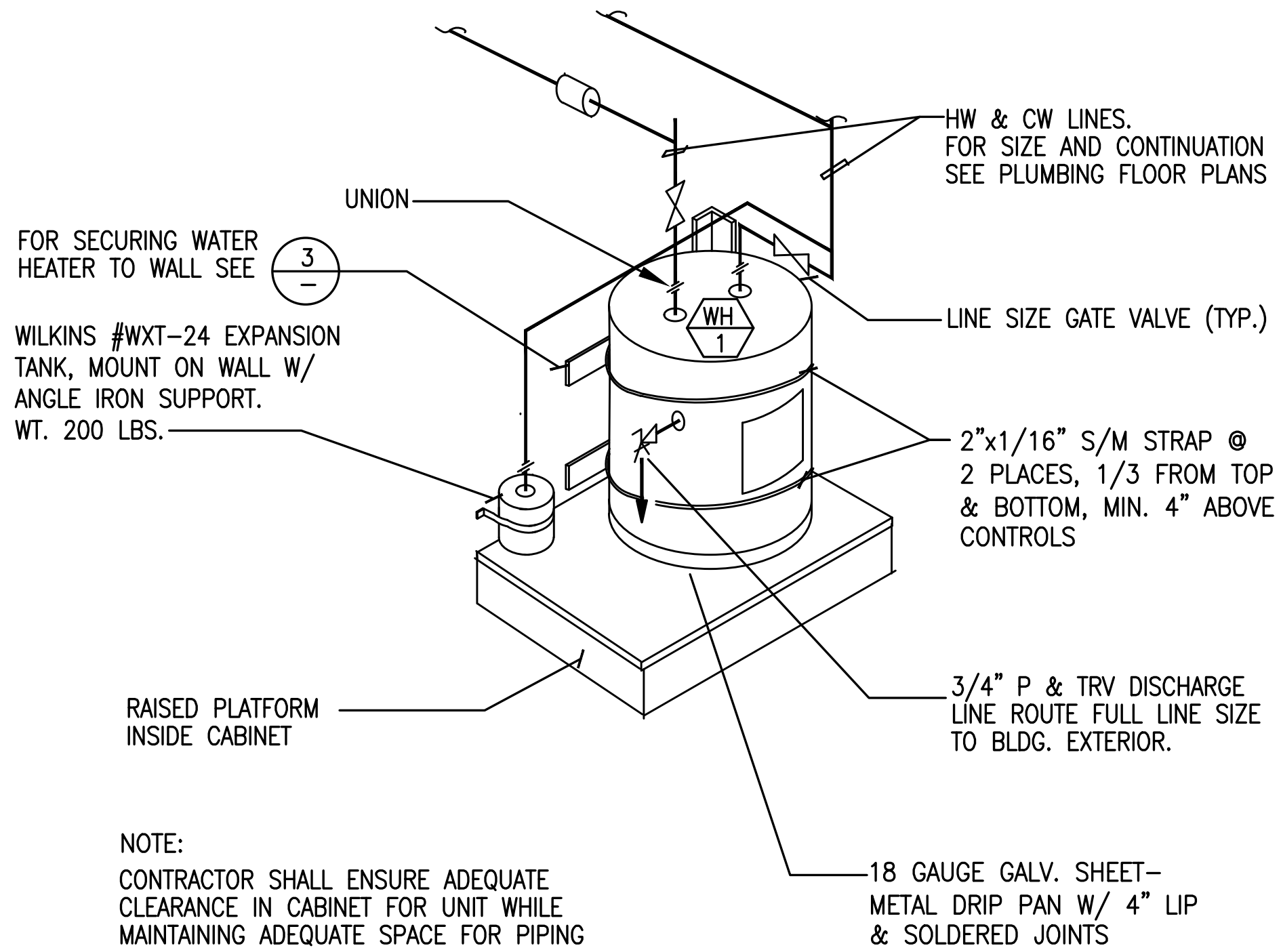
5 FLOOR SINK / DRAIN DETAIL
SCALE N.T.S.



NOTE:
STRAP WATER HEATER @ 2 PLACES, 1/3 FROM TOP & BOTTOM, MIN. 4" ABOVE CONTROLS

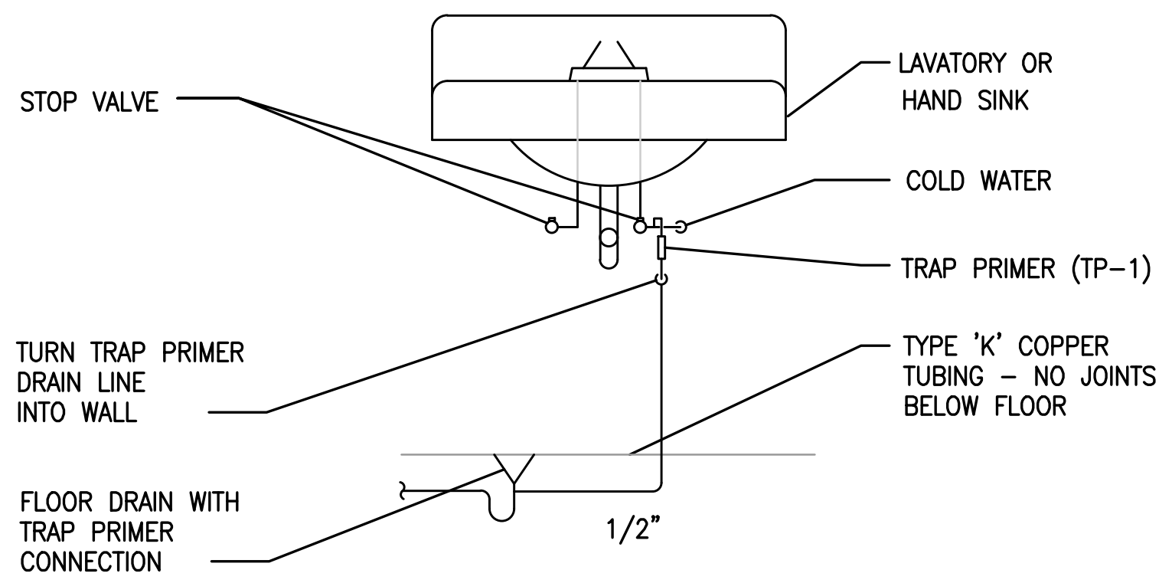
1. ALL HOT WATER PIPING TO BE WRAPPED WITH 1" THICK x 3/4" LB. DENSITY INSULATION WITH MIN. "R" FACTOR OF 5.
2. ALL ELECTRICAL COMPONENTS TO BE TIME CLOCK CONTROLLED.
3. WATER HEATER SPECIFIED IS LISTED IN THE DIRECTORY OF WATER HEATERS CA. ENERGY COMMISSION.
4. WATER HEATER PRESSURE & TEMPERATURE PRESSURE RELIEF VALVES SHALL BE PROVIDED WITH HARD DRAWN COPPER PIPE.
5. PROVIDE AND INSTALL VACUUM RELIEF VALVE ON THE STORAGE TANK OR HEATER SHALL BE PROVIDED WITH HARD DRAWN COPPER PIPE.

3 WATER HEATER STRAP DETAIL
SCALE N.T.S.

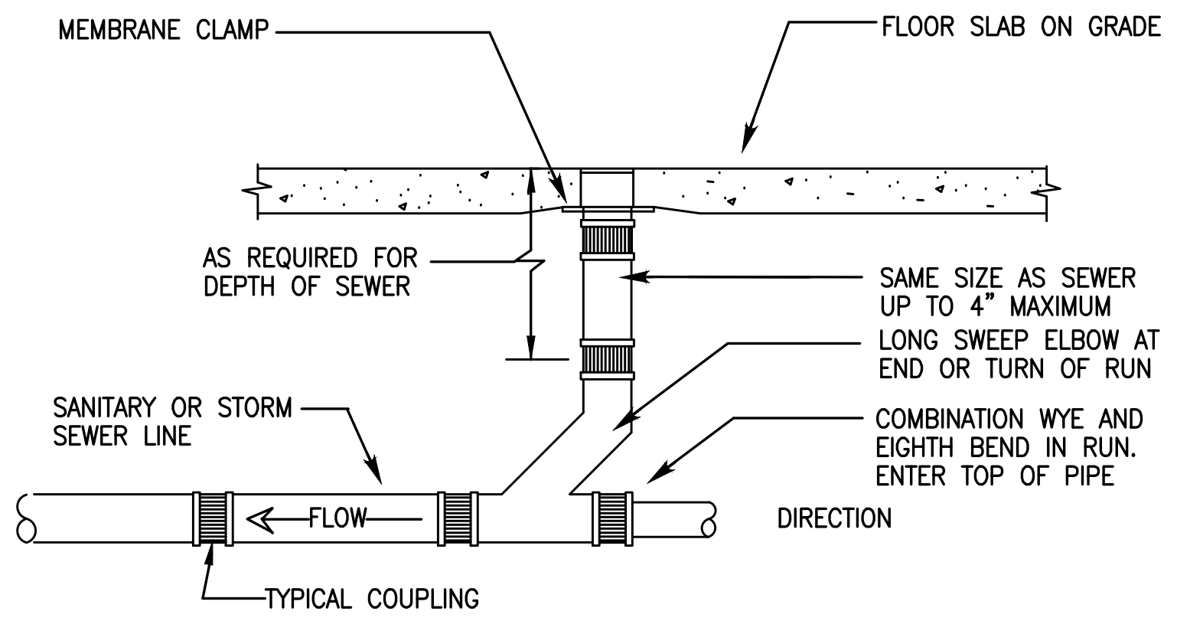

HW & CW LINES. FOR SIZE AND CONTINUATION SEE PLUMBING FLOOR PLANS
UNION
FOR SECURING WATER HEATER TO WALL SEE 3/—
LINE SIZE GATE VALVE (TYP.)
WILKINS #WXT-24 EXPANSION TANK, MOUNT ON WALL W/ ANGLE IRON SUPPORT. WT. 200 LBS.
WH 1
2"x1/16" S/M STRAP @ 2 PLACES, 1/3 FROM TOP & BOTTOM, MIN. 4" ABOVE CONTROLS
RAISED PLATFORM INSIDE CABINET
3/4" P & TRV DISCHARGE LINE ROUTE FULL LINE SIZE TO BLDG. EXTERIOR.
18 GAUGE GALV. SHEET-METAL DRIP PAN W/ 4" LIP & SOLDERED JOINTS

NOTE:
CONTRACTOR SHALL ENSURE ADEQUATE CLEARANCE IN CABINET FOR UNIT WHILE MAINTAINING ADEQUATE SPACE FOR PIPING CONNECTIONS AND MAINTENANCE OF THE HEATER

1 HOT WATER HEATER INSTALLATION DETAIL
SCALE N.T.S.

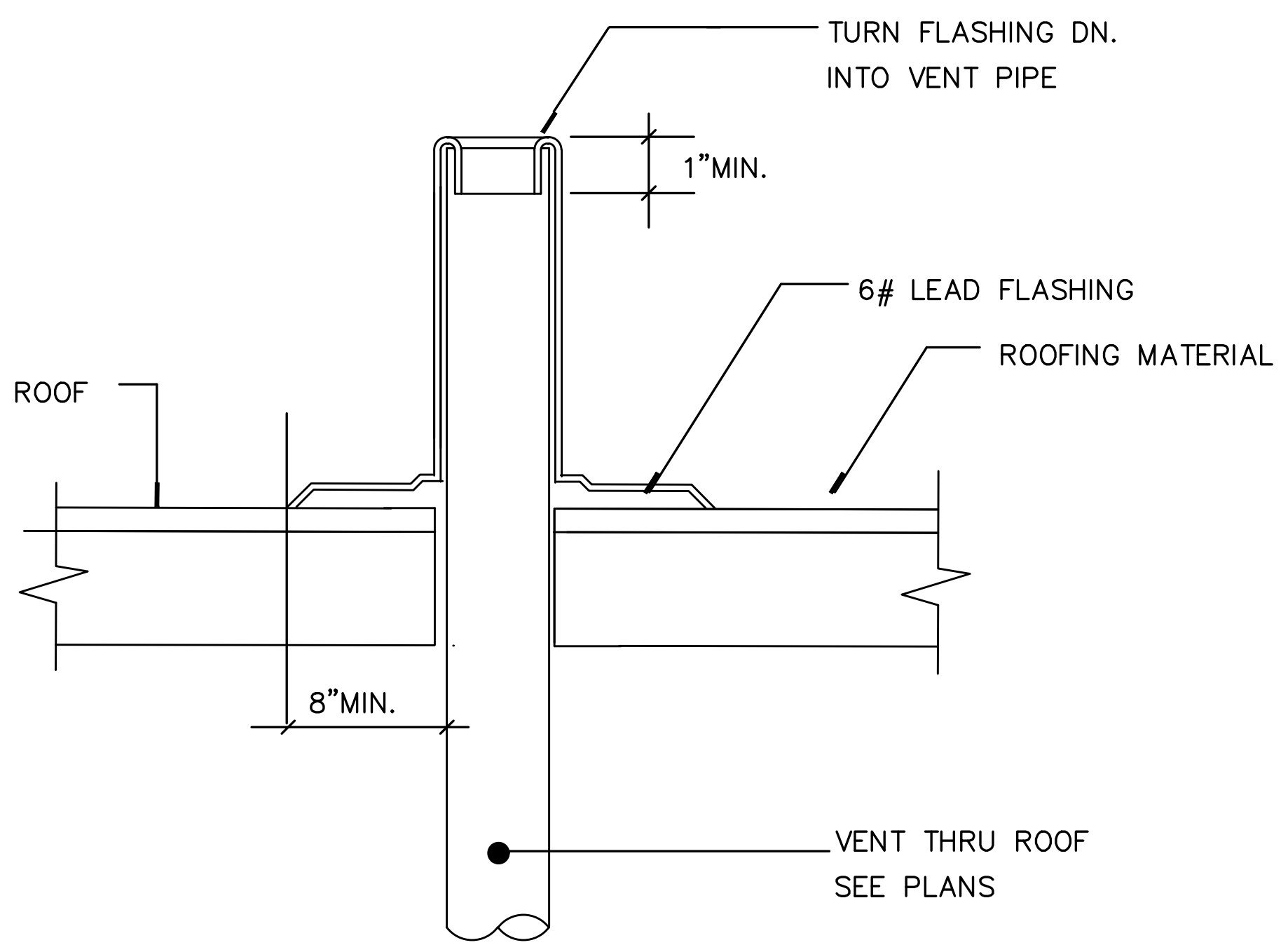

STOP VALVE
LAVATORY OR HAND SINK
COLD WATER
TRAP PRIMER (TP-1)
TURN TRAP PRIMER DRAIN LINE INTO WALL
TYPE 'K' COPPER TUBING – NO JOINTS BELOW FLOOR
FLOOR DRAIN WITH TRAP PRIMER CONNECTION
1/2"

8 TRAP PRIMER DETAIL
SCALE N.T.S.

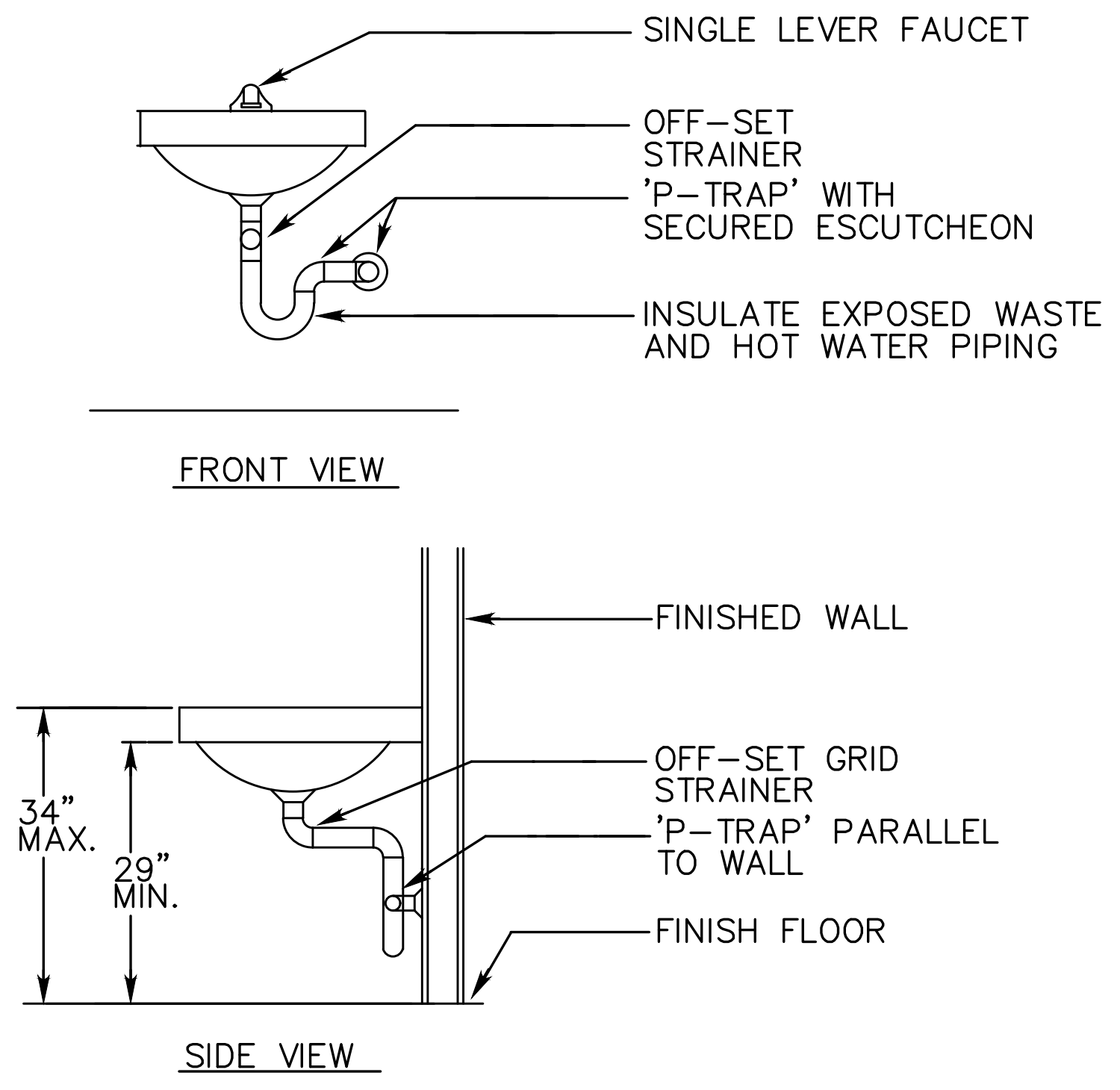

MEMBRANE CLAMP
FLOOR SLAB ON GRADE
AS REQUIRED FOR DEPTH OF SEWER
SAME SIZE AS SEWER UP TO 4" MAXIMUM
LONG SWEEP ELBOW AT END OR TURN OF RUN
SANITARY OR STORM SEWER LINE
COMBINATION WYE AND EIGHTH BEND IN RUN. ENTER TOP OF PIPE
FLOW
DIRECTION
TYPICAL COUPLING

LOCATE AT BUILDING EXIT, AT ENDS OF RUNS, AT TURNS OF PIPE GREATER THAN 135 DEGREES, AT 50' INTERVALS ON STRAIGHT RUNS, AND WHERE SHOWN ON PLANS. PROVIDE BACKFILL PER ARCHITECTURAL SPECIFICATIONS. LOCATE CLEANOUTS WHERE THERE IS 18" CLEAR AROUND. CONSULT LOCAL CODES FOR OTHER FCO REQUIREMENTS.

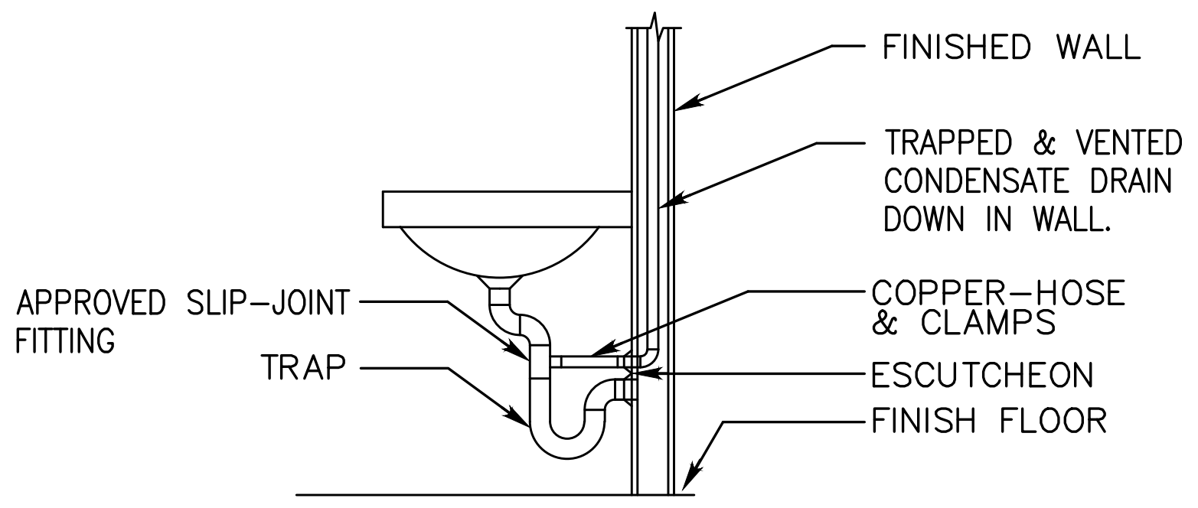
6 WASTE LINE CLEANOUT DETAIL
SCALE NTS



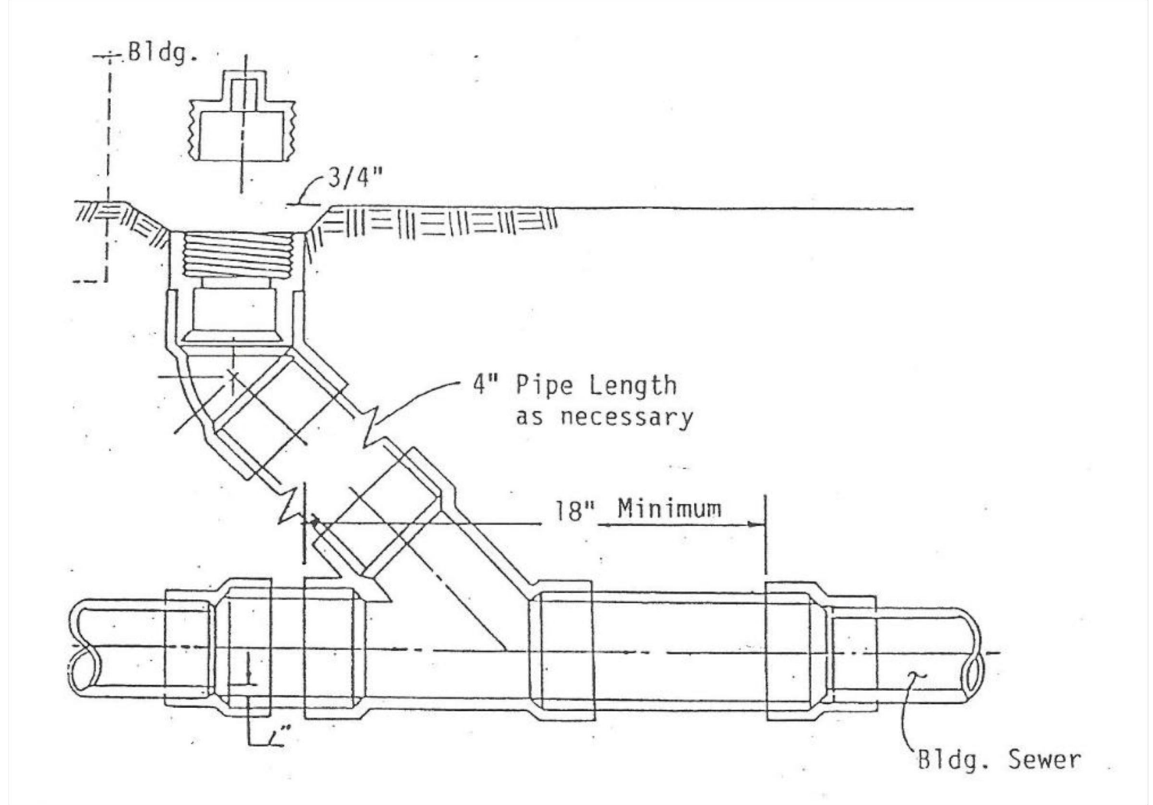
4 VENT THRU ROOF DETAIL
SCALE NTS



2 A.D.A. COMPLIANCE LAVATORY DETAIL
SCALE N.T.S.


FINISHED WALL
TRAPPED & VENTED CONDENSATE DRAIN DOWN IN WALL.
APPROVED SLIP-JOINT FITTING
COPPER-HOSE & CLAMPS
TRAP
ESCUTCHEON
FINISH FLOOR

9 CONDENSATE TO TAILPIECE
SCALE NTS



NOTE:

1. **BARREL DIAMETER OF SAMPLING STATION TO BE A MINIMUM OF 2" LARGER THAN BLDG. DISCHARGE LINE.**
2. **DIAMETER OF RISER PIPE TO BE 4".**
3. **MUST BE ACCESIBLE AT ALL TIMES TO CITY PERSONNEL.**
4. **NOT FOR USE IN TRAVELED WAYS.**
5. **IF NECESSARY TO PLACE CAP IN SIDEWALK, USE FLUSH CAP.**

7 SAMPLING WYE
SCALE NTS

Gary Formoe
Gary Formoe, Principal
Murrieta, CA 92562
Phone (909) 518-5736
formoedesign@gmail.com

4MO DESIGN

C 38456
EXP. 03/31/27
14 MAR 2025

Project:
WINERY BUILDINGS A, B & C FOR:
HAVEN VINEYARDS WINERY
41625 CAMINO DE VINO
TEMECULA, CALIFORNIA 92592

Sheet title:
PLUMBING DETAILS

Project no.: 24001
Drawn by: GF
Checked by: RM
Date: 3/18/2024
Revision:

Sheet no.:
P3.0

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E

This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 1 of 10)
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	92592	06	Total Conditioned Floor Area (ft^2)	2740
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft^2)	0
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐	Project includes unconditioned enclosed space(s) > 5,000 ft^2 under a roof with a ceiling height of at least 15 ft.[1]

- ● Office ● Retail

[1] FOOTNOTE: Enclosed spaces > 5,000 ft^2 directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply)	Component Types		
01	02		
☒ New Construction or Newly Conditioned Space	☒ Roof	☒ Walls	☒ Exterior Opaque Doors
☐ One or more enclosed spaces > 5,000 ft^2 directly under roof with ceiling height > 15ft		☐ Floors	☒ Fenestration/ Glazed Doors[1]
☐ Addition of conditioned space	☐ Roof	☐ Walls	☐ Exterior Opaque Doors
☐ One or more enclosed spaces > 5,000 ft^2 directly under roof with ceiling height > 15ft			
☐ Addition is <=700 ft^2		☐ Floors	☐ Fenestration/ Glazed Doors[1]
☐ Addition is >700 ft^2			
☐ Alteration of conditioned space	☐ Roof Assembly	☐ Walls	
☐ One or more enclosed spaces > 5,000 ft^2 directly under roof with ceiling height > 15ft and lighting system installed for the first time	☐ Roofing Material[2]	☐ Floors	☐ Fenestration

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STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 2 of 10)
		Date Prepared:	3/24/2024

B. PROJECT SCOPE

[1] FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.

[2] Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft^2	Compliance Results
Roof Assembly	Roofing Materials	Walls	Floors	Doors			
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
Yes	Yes	Yes		Yes	Yes		

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ROOF ASSEMBLY SCHEDULE

This table demonstrates compliance for prescriptive roof assembly requirements in 140.3(a)1B/ 170.2(a)1B for new construction, 141.0(a)/ 180.1 for additions, or 141.0(b)2Biii/ 180.2 for alterations,

01	Indicate roof types included in the project:	☐ Framed	☐ Framed-Multifamily	☐ SIPS	☐ Span Deck & Concrete	☒ Metal Panels	☐ Metal Building

Metal Panel Assemblies

01	☒	Include Metal Panel Roof Assemblies in Area-Weighted Average U-factor Calculation[1]		
02	03	04	05	06

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 3 of 10)
		Date Prepared:	3/24/2024

F. ROOF ASSEMBLY SCHEDULE

Metal Panel Assemblies

Tag/Plan Detail ID	Name/Description	Status	Exception to Roof Insulation Requirements in 141.0(b)2Biii (Alts. Only)	Occupancy Type
Metal Building Roof	Metal Roof Ins Panel 5''	New		Nonresidential/ Relocatable 1 CZ
Metal Building Roof	Metal Roof Ins Panel 5''	New		Nonresidential/ Relocatable 1 CZ

07	08	09	10	11	12		13
Tag/Plan Detail ID	How Design U-factor was determined	Panel Thickness (in.)	Thermal Performance Unit	Required Thermal Performance	U-factor per Design		Net Area[3] ft^2
Metal Building Roof	JA4 Tables	5"	U-factor	0.034	per JA4	0.033	2000
					per Software/ Other		
Metal Building Roof	JA4 Tables	5"	U-factor	0.034	per JA4	0.033	740
					per Software/ Other		

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal building roofs may not be combined with other roof types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.

[2] For alterations using U-factor as the Thermal Performance Unit, at least R-10 insulation must be above deck.

[3] If "R-value" is shown in cell 13 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.

[4] Roof area minus any fenestration/ skylight area

Area-Weighted Average U-factor Compliance Calculation for Framed/ SIPs/ Span Deck & Concrete/ Metal Panel Roofs

01	02	03	04	05
Roof Type	Total Area of Roof Type (ft^2)	Area-weighted U-factor for Roof Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Panel	2740	0.034	0.033	
Total for all Roof Types:	**2740**	**0.034**	**0.033**	**COMPLIES**

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 4 of 10)
		Date Prepared:	3/24/2024

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1A/ 170.2(a)1A for new construction, 141.0(a)/ 180.1 for additions, and 141.0(b)2B/ 180.2 for alterations. Roof recovers and replacements must also document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08		09		10
Tag/Plan Detail ID	Name/ Description/ Location	Status	Occupancy Type	Roof Slope	Roof Material	Compliance Method	Required Minimum Material Performance		Designed Material Performance		U-factor / R-value of Assembly
Metal Roof Ins Panel 5''	Metal Building Roof	New	Nonresidential	Steep slope	To Be Determined	Aged solar reflectance and thermal emittance	Reflectance	0.25	Reflectance[1]	0.25	
							Emittance	0.75	Emittance	0.75	
							SRI		SRI		

H. WALL ASSEMBLY SCHEDULE

This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/ 170.2(a) for new constructions, 141.0(a)/ 180.1 for additions and 141.0(b)1B/ 180.2 for alterations.

01	Indicate wall types included in the project:[1]	☐ Framed	☐ Mass (new only)	☐ Concrete Sandwich Panel (new only)	☐ SIPS	☐ ICF (new only)
		☒ Metal Panels	☐ Metal Building	☐ Spandrel/ Curtain Wall	☐ Straw Bale	☐ Log Home (new only)

[1] FOOTNOTES: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.

Metal Panel Walls

01	☒	Include Metal Panel Walls in Area-Weighted Average U-factor Calculation[1]

02	03	04	05	06	07	08		09
Tag/Plan Detail ID	Name/Description	Occupancy & Status	How Design U-factor was determined	Panel Thickness (in.)	Maximum U-factor Allowed	U-factor per Design		Net Area[2] ft^2
East Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4	0.053	398
						per Software/ Other		

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 5 of 10)
		Date Prepared:	3/24/2024

H. WALL ASSEMBLY SCHEDULE

02	03	04	05	06	07	08		09
Tag/Plan Detail ID	Name/Description	Occupancy & Status	How Design U-factor was determined	Panel Thickness (in.)	Maximum U-factor Allowed	U-factor per Design		Net Area[2] ft^2
South Metal Bldg Wall Front	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4	0.053	361
						per Software/ Other		
West Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4	0.053	664
						per Software/ Other		
North Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4	0.053	512
						per Software/ Other		
East Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4	0.053	225
						per Software/ Other		
West Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4	0.053	266
						per Software/ Other		

[1] FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal Panel walls are combined with wood framed, spandrel & curtain, SIPs, and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in 141.0(b)1B3.

[3] Wall area minus any fenestration area

Area-Weighted Average U-factor Compliance Calculation for Wood Framed/ SIPs/ Spandrel/ Curtain/ Metal Panel/ Straw Bale Wall Types

01	02	03	04	05
Wall Type	Total Area of Wall Type (ft^2)	Area-weighted U-factor for Wall Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Panel	2426	0.055	0.053	
Total for all Wall Types:	2426	0.055	0.053	COMPLIES

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 6 of 10)
		Date Prepared:	3/24/2024

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This table demonstrates compliance with prescriptive exterior door requirements in 140.3(a)7/ 170.2(a)4 for new construction or additions. Doors which are being replaced (alterations) do not need to be documented in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from ambient air. Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.

01	02	03	04	05	06	07	
Tag/Plan Detail ID	Name/Description	Occupancy Type	Door Type	Door Insulation	Maximum Allowed U-factor	U-factor per Design	
	Metal Door	Nonresidential	Swinging	Any other wood door	0.7	per JA4	0.7
	Wood Door	Nonresidential	Swinging	Any other wood door	0.7	per JA4	0.5

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This table demonstrates compliance with prescriptive fenestration requirements in 140.3(a)5/ 170.2(a)3 for new constructions, 141.0(a)/ 180.1 for additions, or 141.0(b)2A/ 180.2 for alterations. Exterior doors that are more than 25% glass in area are considered Glazed Doors and should be documented on this table with fenestration.

01	Indicate fenestration types included in the project:[1]	☐ Vertical (alterations)	☒ Vertical (new)	☐ Skylights	☐ Glazed Doors (new only)

[1] FOOTNOTES: Fenestration types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.

Vertical Fenestration and Glazed Doors- Total Building & West Facing Area (New Construction & Additions Only)

01		02	03	04		05
Elevation Item Tag/ Description		Orientation (Azimuth)[1]	Gross Exterior Wall Area[2] (ft^2)	Display Perimeter Length[2] (ft)		Vertical Fenestration Area per Design[3] (ft^2)
North		North Facing	560	0		0
East		East Facing	980	0		13
South		South Facing	560	0		175
West		West Facing	980	0		50
06	Maximum Allowed Vertical Fenestration (ft^2)- All Orientations		1065.6	07	Total Vertical Fenestration (ft^2) per design- All Orientations	238

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 7 of 10)
		Date Prepared:	3/24/2024

K. FENESTRATION AND GLAZED DOOR SCHEDULE

Vertical Fenestration and Glazed Doors- Total Building & West Facing Area (New Construction & Additions Only)

01	02	03	04		05
Elevation Item Tag/ Description	Orientation (Azimuth)[1]	Gross Exterior Wall Area[2] (ft^2)	Display Perimeter Length[2] (ft)		Vertical Fenestration Area per Design[3] (ft^2)
08	Maximum Allowed Vertical Fenestration (ft^2)- West Facing	392	09	Total Vertical Fenestration (ft^2) per design- West Facing	50

[1] FOOTNOTES: Orientation between 226 deg and 315 deg are considered "West Facing". A diagram has been provided in the Nonresidential Compliance Manual for visual reference.

[2] Do not include demising walls per 140.3(a)5 .

[3] Includes glazed door fenestration area .

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

01	☒	Calculate Area-Weighted Average U-factor for Vertical Fenestration and Glazed Doors[1]
02	☒	Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors[1]
03	☒	Calculate Area-Weighted Average VT for Vertical Fenestration and Glazed Doors[1]

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	U-factor/ (R)SHGC Compliance Method	VT Compliance Method	Calculation Method for Performance Values per Design[2]	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft^2
South Curtain Wall	Fixed window	Nonresidential/ Relocatable 1 CZ: : New			NFRC Certified	U-factor (max)	0.36	0.36	175
					☐ Overhang/ Slats used for RSHGC	(R)SHGC (max)	0.25	0.25	
						VT (min)	0.42	0.42	
West Windows	Fixed window	Nonresidential/ Relocatable 1 CZ: : New			NFRC Certified	U-factor (max)	0.36	0.36	50
					☐ Overhang/ Slats used for RSHGC	(R)SHGC (max)	0.25	0.25	
						VT (min)	0.42	0.42	

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 8 of 10)
		Date Prepared:	3/24/2024

K. FENESTRATION AND GLAZED DOOR SCHEDULE

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	U-factor/ (R)SHGC Compliance Method	VT Compliance Method	Calculation Method for Performance Values per Design[2]	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft^2
East Windows	Fixed window	Nonresidential/ Relocatable 1 CZ: : New			NFRC Certified	U-factor (max)	0.36	0.36	13
					☐ Overhang/ Slats used for RSHGC	(R)SHGC (max)	0.25	0.25	
						VT (min)	0.42	0.42	

[1] FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below.

[2] The NA6 Default Calculation can only be used for alterations or dwelling units in buildings with <= 3 habitable stories. Alterations are limited to 200ft^2 of site built glazing and dwelling units are limited to 250ft^2 or 5% of conditioned floor area. If the fenestration does not meet these conditions, the only options for determining fenestration values are NFRC Certification or the Default Tables in 110.6.

[3] Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an affect on the RSHGC. If an overhang does not meet this requirement, the affect of the overhang will be ignored.

[4] Projecting includes casement and awning windows.

Area-Weighted Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration And Glazed Doors

01	02	03	04	05
Product Performance Unit	Total Area of Fenestration (ft^2)	Area-weighted Calculation for Fenestration		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
U-Factor	238	0.36	0.36	COMPLIES
(R)SHGC	238	0.25	0.25	COMPLIES
VT	238	0.42	0.42	COMPLIES

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 9 of 10)
		Date Prepared:	3/24/2024

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ENV-01-E - Must be submitted for all buildings

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/. Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1

Form/Title	Systems/Spaces To Be Field Verified
NRCA-ENV-02-F must be submitted for all new, added or altered site built fenestration.	

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-ENV-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 10 of 10)
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas RCE 30927 Expires March 31 2026 CIVIL

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company: HAVEN WINERY	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 1 of 7)
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Total Conditioned Floor Area (ft^2)	2,740
02	Climate Zone	10	05	Total Unconditioned Floor Area (ft^2)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

- ● Office ● Retail

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft^2)	Calculation Method	Area (ft^2)
☒ New Lighting System	Complete Building Method	2740	Complete Building Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft^2)	2740		0	

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 2 of 7)
		Date Prepared:	3/24/2024

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)							Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned	2,466				=	2,466	≥	1,708	0	=	1708	COMPLIES
Unconditioned					=		≥			=		
Controls Compliance (See Table H for Details)												COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)												

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 3 of 7)
		Date Prepared:	3/24/2024

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A Recessed LED	TYPE A LED	No	NA	18	Mfr. Spec	16	No	288	☐	☐
B Pendant	TYPE B PENDANT	No	NA	60	Mfr. Spec	17	No	1,020	☐	☐
C Track Low Volt	TYPE C REDUCED VOLTAGE TRACK	No	NA	100	Mfr. Spec	4	No	400	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,708		

[1] FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2] Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
		Field Inspector	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Pass	Fail

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STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 4 of 7)
		Date Prepared:	3/24/2024

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Skylit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
					13				
					Plan Sheet Showing Daylit Zones:				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft^2)	Area (ft^2)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Whole Building	Retail	0.9	2,740	2,466	No	No
		TOTALS:	2,740	2,466	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 5 of 7)
		Date Prepared:	3/24/2024

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 6 of 7)
		Date Prepared:	3/24/2024

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 7 of 7)
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas RCE 30927 Expires March 31 2026 CIVIL

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 1 of 8)
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Total Illuminated Hardscape Area (ft^2)	600
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				

- ● Office ● Retail

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 2 of 8)
		Date Prepared:	3/24/2024

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv													Compliance Results		
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
226	+	---	+	---	+	---	+	260	OR	---	=	486	≥	406	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															Not applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 3 of 8)
		Date Prepared:	3/24/2024

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
EXT SCONCE	TYPE E SCONCE	☐ Linear	16	Mfr. Spec	4	New	☐	64	NA: < 6200 lumens	☐	☐
EXT WALL PAC	TYPE F WALL PAC	☐ Linear	37	Mfr. Spec	6	New	☐	222	NA: < 6200 lumens	☐	☐
Patio J Box	Owner Selected Lights	☐ Linear	20	Mfr. Spec	6	New	☐	120	NA: < 6200 lumens	☐	☐
							Total Design Watts:	406			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)

[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 4 of 8)
		Date Prepared:	3/24/2024

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail

[1] FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.

[2] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.

[3] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 5 of 8)
		Date Prepared:	3/24/2024

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft^2)	Allowed Density (W/ft^2)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Sales Patio	600	0.019	11.4	100	0.2	15	26
Initial Wattage Allowance for Entire Site (Watts):							200
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							226

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 6 of 8)
		Date Prepared:	3/24/2024

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
		CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				
Area Description	Specific Area Type per Table 140.7-B	Specific Area (ft^2)[1]	Allowed Density (W/ft^2)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
Exterior Sconce	BuildingFacade	1020	0.1	102	EXT SCONCE	16	4	64	64
					Total Design Watts for this Area:			64	
Exterior Wall Pack	BuildingFacade	1960	0.1	196	EXT WALL PAC	37	6	222	196
					Total Design Watts for this Area:			222	
					Total Allowance (Watts) All Areas:				260

[1] FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft^2 for these additional lighting allowances.

[2] For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 7 of 8)
		Date Prepared:	3/24/2024

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Bldg A Haven Winery Sales/Tasting	**Report Page:**	(Page 8 of 8)
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date: 2024-03-24
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas RCE 30927 Expires March 31 2026 CIVIL

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STUDIO ONE

TITLE-24 BUILDING A ENERGY CALCULATIONS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HANN C-26663 REN. 9/30/25

DESIGNER: STUDIO ONE

JOB NO.	*S1|441.00*

REVISIONS

NO.	DESCRIPTION	DATE

T1.0

3/4/2025 7:36:06 AM

THIS DOCUMENT IS AN INSTRUMENT OF PROFESSIONAL SERVICE OF STUDIO ONE, INC. STUDIO ONE, INC. SHALL TO THE FULLEST EXTENT PERMITTED BY LAW, BE HELD HARMLESS AND RELEASED FROM ANY DAMAGE, LIABILITY, OR EXPENSE ARISING OR ALLEDGLY ARISING FROM ANY UNAUTHORIZED MODIFICATION OR REUSE OF THIS DOCUMENT BY OTHERS. ALL DRAWINGS PRODUCED ARE PROPRIETARY PROPERTY OF STUDIO ONE, INC. AND CANNOT BE DUPLICATED OR REUSED WITHOUT THE WRITTEN CONSENT OF STUDIO ONE, INC. © 2021

CERTIFICATE OF COMPLIANCE	**NRCC-MCH-E**
This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.	
Project Name: Bldg A Haven Winery Sales/Tasting	**Report Page:** (Page 1 of 13)
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Total Conditioned Floor Area	2740
02	Climate Zone	10	05	Total Unconditioned Floor Area	0
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1

- Office
- Retail

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.

01	02	03
Air System(s)	Wet System Components	Dry System Components
☒ Heating Air System	☐ Water Economizer	☐ Air Economizer
☒ Cooling Air System	☐ Pumps	☐ Electric Resistance Heat
Mechanical Controls	☐ System Piping	☒ Fan Systems
☒ Mechanical Controls (existing to remain, altered or new)	☐ Cooling Towers	☒ Ductwork (existing to remain, altered or new)
	☐ Chillers	☒ Ventilation
	☐ Boilers	☐ Zonal Systems/ Terminal Boxes

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND	Pumps 140.4(k), 170.2(c)4I	AND	Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND	System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND	Ventilation 120.1, 160.2	AND	Terminal Box Controls 140.4(d), 170.2(c)4B	AND	Distribution 120.3, 140.4(l), 160.2, 160.3	AND	Cooling Towers 110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES
Mandatory Measures Compliance (See Table Q for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
Tasting Room HVAC	2	Single zone	New/ Addition		☐
Office & Rest Rm HVAC	1	Single zone	New/ Addition		☐

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
				Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2						
				Heating Output[2,3]			Cooling Output[2,3]		Load Calculations[3,4]	
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available[1] 140.4(a) and 170.2(c)1	Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
Tasting Room HVAC	Unitary Heat Pumps	Air-cooled, split (3 phase)	NA: Load Controls	56.71	48	0	87	35.46	176.21	158.12
Office & Rest Rm HVAC	Unitary Heat Pumps	Air-cooled, split (3 phase)	NA: Load Controls	14.18	24	0	17.02	17.98	21.47	17.09

[1] *FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted.*

[2] *It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.*

[3] *If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.*

[4] *Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).*

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09
		Heating Mode				Cooling Mode		
Name or Item Tag	Size Category (Btu/h)	Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
Tasting Room HVAC	<65,000		HSPF2	7.5	7.5	SEER2	14.3	14.3
Office & Rest Rm HVAC	<65,000		HSPF2	7.5	7.5	SEER2	14.3	14.3

G. PUMPS

This section does not apply to this project.

H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	Tasting Room HVAC	Quantity	2	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	3,200	Site Elevation
											1,006	Economizer
											NA: Special OA filtration	

01	02	03	04	05	06	07	08	09	10	11
						Allowance		Design		
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g)	Component Allowance	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method	Motor Nameplate Horsepower	Design Electrical Input Power (kW)
SF	Supply	2	Base Allowance for system serving spaces <=6 floors away	1,600		371		Manufacturer provided		0.3
			MERV 13-16 Filter upstream of thermal conditioning equipment	1,600		222				
			Hydronic/DX cooling coil or heat pump coil	1,600		222				
Supply Fan Base Allowance (kW)		Exhuast/Return/Relief/Transfer Fan Base Allowance(kW)				Fan System Allowance (kW)[3]	1.63	Fan System Electrical Output (kW)		0.59

H. FAN SYSTEMS & AIR ECONOMIZERS

System Name	Office & Rest Rm HVAC	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	800	Site Elevation	1,006	Economizer
													NA: <=33 kBtu/h cooling	

01	02	03	04	05	06	07	08	09	10	11
						Allowance		Design		
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g)	Component Allowance	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method	Motor Nameplate Horsepower	Design Electrical Input Power (kW)
SF	Supply	1	Base Allowance for system serving spaces <=6 floors away	800		186		Manufacturer provided		0.22
			MERV 13-16 Filter upstream of thermal conditioning equipment	800		111				
			Hydronic/DX cooling coil or heat pump coil	800		111				
Supply Fan Base Allowance (kW)		Exhuast/Return/Relief/Transfer Fan Base Allowance(kW)				Fan System Allowance (kW)[3]	1	Fan System Electrical Output (kW)		0.22

[1] FOOTNOTES: Fans serving spaces with design background noise goals below NC35

[2] Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.

[3] Fan system allowance includes fan system base allowance.

[4] Filter pressure loss can only be counted once per fan system.

[5] Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.

[6] Computer room economizers must meet requirements of 140.9(a) and will be documented on the NRCC-PRC-E document..

H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01	02	03	04	05	06	07	08	09	10	11

H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(c)4O	Exhaust Air Heat Recovery 140.4(q) & 170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft²)	Thermostats 110.2(b) & (c)[1], 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	Shut-Off Controls 120.2(e) & 160.3(a)2D	Isolation Zone Controls 120.2(g) & 160.3(a)2F	Demand Response 110.12 120.2(b) & 160.3(a)2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	Window Interlocks per 140.4(n) & 170.2(c)4D
Tasting Room HVAC	Single zone	<= 25,000 ft²	EMCS	NA: 7 day per 120.2(e)1	4 Hour Timer	EMCS	NA: Alteration	NA: Alteration Project
Office & Rest Rm HVAC	Single zone	<= 25,000 ft²	EMCS	NA: 7 day per 120.2(e)1	4 Hour Timer	EMCS	NA: Alteration	NA: Alteration Project

[1] *FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and d:t24refnolink/]160.2, 160.3(a)3D, 170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

	04	05		06		07
System Name	Tasting Room HVAC	System Design OA CFM Airflow[1]	1995	System Design Transfer Air CFM	0	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2] Provided

08	09	10	11	12	13	14	15	16	
	Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3					Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[6] 160.2(c)5D 160.2(c)5E 160.2(c)5D	
Space Name or Item Tag	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
Tasting Room Zone	Retail sales	2000	2	133	1995	140	0	DCV	NA: Not required per §120.1(d)3
								Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM				1995	18	Ventilation for this System Complies?		Yes

	04	05		06		07
System Name	Office & Rest Rm HVAC	System Design OA CFM Airflow[1]	120	System Design Transfer Air CFM	0	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2] Provided
08	09	10	11	12	13	14
					15	16

J. VENTILATION AND INDOOR AIR QUALITY

	Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3					Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[6] 160.2(c)5D 160.2(c)5E 160.2(c)5D	
Space Name or Item Tag	Occupancy Type[4]	Conditioned Floor Area (ft²)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
Office & RR Zone	Office space	740	2	8	120	140	0	DCV	NA: Not required per §120.1(d)3
								Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM				120	18	Ventilation for this System Complies?		Yes

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*

[2] *Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.*

[3] *Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.*

[4] *See Standards Tables 120.1-A and 120.1-B.*

[5] *For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.*

[6] *120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft² or smaller, multipurpose rooms less than 1,000 ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).*

K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.

01	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

L. DISTRIBUTION (DUCTWORK and PIPING)

Duct Leakage Testing

The answers to the questions below apply to the following duct systems:	Tasting Room HVAC	**NR/ Common Use:** Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems?	No
		Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	No
		Duct leakage testing per CMC Section 603.10.1 required for these systems?	Yes

11	No	The scope of the project includes only duct systems serving healthcare facilities
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.
13	Yes	The space conditioning system serves less than 5,000 ft² of conditioned floor area.
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:
15		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.
17		All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A
18		All ductwork is an extension of an existing duct system
19		Ductwork serving individual dwelling unit
20		< 25 ft of new or replacement space conditioning ducts installed
21	R-8	Duct Insulation R-value
22		
23		

The answers to the questions below apply to the following duct systems:	Office & Rest Rm HVAC	**NR/ Common Use:** Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems?	No

---

L. DISTRIBUTION (DUCTWORK and PIPING)

		Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	No
		Duct leakage testing per CMC Section 603.10.1 required for these systems?	Yes

11	No	The scope of the project includes only duct systems serving healthcare facilities
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.
13	Yes	The space conditioning system serves less than 5,000 ft² of conditioned floor area.
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:
15		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.
17		All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A
18		All ductwork is an extension of an existing duct system
19		Ductwork serving individual dwelling unit
20		< 25 ft of new or replacement space conditioning ducts installed
21	R-8	Duct Insulation R-value
22		
23		

M. COOLING TOWERS

This section does not apply to this project.

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title
NRCI-MCH-01-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Form/Title	Systems/Spaces To Be Field Verified
NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.	Nominal 4 ton Heat Pump; Nominal 2 ton Heat Pump;
NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes'. If Constant Volume Single Zone HVAC Systems are included in the scope, permit applicant should move this form to "Yes".	Nominal 4 ton Heat Pump; Nominal 2 ton Heat Pump;
NRCA-MCH-11-A Automatic Demand Shed Controls	Nominal 4 ton Heat Pump; Nominal 2 ton Heat Pump;
NRCA-MCH-18-A Energy Management Control Systems	Nominal 4 ton Heat Pump; Nominal 2 ton Heat Pump;

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes	Plan sheet or construction document location
		M-Sheets

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas
RCE 30927
Expires March 31 2026
CIVIL

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

CERTIFICATE OF COMPLIANCE	**NRCC-PLB-E**
This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.	
Project Name: Bldg A Haven Winery Sales/Tasting	**Report Page:** (Page 1 of 7)
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	02	Climate Zone	10
03	Occupancy Types Within Project (select all that apply):				

- Office
- Retail

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☒ New system (DHW system being installed for the first time)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution	☒ Controls
☒ New system (DHW system being installed for the first time)	Combined Hydronic System	☒ Equipment	☒ Distribution	☒ Controls
☒ New system (DHW system being installed for the first time)	Combined Hydronic System	☒ Equipment	☒ Distribution	☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls

ALERT! Combined domestic and hydronic water heating systems are documented on the NRCC-MCH compliance document. If combined hydronic water heating systems are used in conjunction with domestic only systems to meet the water heating needs of the building, document the domestic only systems on this compliance document.

[1] *FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*

[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*

[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04		05			06	
System Name	Commercial Water Heater	Exception to 140.5(c)/ 170.2(d)3		☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %		

07	08	09	10		11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
Commercial Water Heater	Consumer Rated Electric Storage	30	15,400	FHR >=75	0.93	0.93	UEF		

[1] *FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft² and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft² per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity {d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date: 2024-03-24
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas
RCE 30927
Expires March 31 2026
CIVIL

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

5

CERTIFICATE OF COMPLIANCE	**NRCC-SAB-E**
This document is used to demonstrate compliance with prescriptive PV and battery requirements in 140.10/ 170.2 for nonresidential, multifamily and mixed-use buildings and prescriptive solar thermal requirements in 170.2(d)3C for multifamily and hotel/ motel occupancies. When PV/battery/solar thermal requirements don't apply or are traded using the performance approach, this document demonstrates compliance with mandatory solar readiness requirements in 110.10/ 160.8 for newly constructed buildings which are either multifamily ten stories or fewer, hotel/motel ten stories or fewer or all other nonresidential building types three stories or fewer. It is also used to demonstrate compliance with solar readiness in 110.10/ 160.8 for additions to nonresidential, multifamily or hotel/motel building types which add more than 2,000 ft² of roof area. Alterations, or additions of less than 2,000 ft² of roof area, are not required to comply with solar readiness, solar PV and battery requirements and do not need to complete this document.	
Project Name: Bldg A Haven Winery Sales/Tasting	**Report Page:** (Page 1 of 5)
Project Address: 41625 Camino De Vino	**Date Prepared:** 11/12/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Building Occupancies	OfficeRetail
02	Climate Zone	10	05	Construction Type	New construction
03	Conditioned Floor Area (ft²)	2740	06	Number of Stories	Bldg <= 3 stories

B. PROJECT SCOPE

The compliance path the project is using to comply per 110.10(b)1B/ 140.10/ 170.2(g and h) is indicated below.

Compliance with Solar Photovoltaic (PV) and Battery Requirements in 140.10/ 170.2(g and h)

	01	
☒	Provided PV system and battery storage sized per 140.10/ 170.2 (g and h)	The project has included an installed PV system and battery storage system per requirements in 140.10/ 170.2(g and h) as documented in Table J.
☐	Exception to PV and Battery: Not enough Solar Access Roof Area	The total of all available Solar Access Roof Area(s) of the project site is less than three percent of the conditioned floor area as documented in Table J.
☐	Exception to PV and Battery: Required PV < 4kW	The required PV system size is less than 4 kW dc as documented in Table J..
☐	Exception to PV and Battery: No contiguous Solar Access Roof Area	The Solar Access Roof Area(s) of the project site contains less than 80 contiguous square feet as documented in Table J.
☐	Exception to PV and Battery: Can't meet snow load	The project has a roof design where the enforcement authority has verified it is not possible for the PV system, including panels, modules, components, supports, and attachments to the roof structure, to meet ASCE 7-16 Chapter 7, Snow Loads.
☐	Exception to PV and Battery: Multi-tenant without VNEM or Community Solar	The project is a multi-tenant building in an area where a load serving entity does not provide either a Virtual Net Metering (VNEM) or community solar program.
☐	The prescriptive PV/battery requirement has been traded off using the performance compliance approach as documented on the PRF Certificate of Compliance form.	

Compliance with Solar Thermal Water Heating Requirements in 170.2(d)3C (Multifamiily and hotel/ motel occupancies only)

	01
☐	The project includes a hotel/motel or multifamily occupancy with a gas or propane central water-heating system (serves 2+ dwelling units) and includes a permanently installed domestic solar water-heating system to comply with 170.2(d)3C and Reference Residential Appendix RA4, as documented in Table H. Compliance meets Exception 2 to solar ready requirements in 110.10(b).

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance or see the applicable Table referenced below.

Allocated Solar Zone				Installed PV System				Installed SWH System				Smart Tstat and Alternative EE Measure		Compliance Results
01		02		03		04		05		06		07	08	
Required Minimum Area (ft²)	<=	Designated Area (ft²)	OR	Required Minimum DC Power Rating (Watts)	<=	Designed DC Power Rating (Watts)	OR	Required Minimum Solar Savings Fraction	<=	Designed/Rated Solar Savings Fraction	OR	JA5 Compliant Thermostat Specified?	Alternative Energy Efficiency Measure	COMPLIES
(See Table F)				(See Tables G or J)				(See Table H)				(See Table I)		
	<=		OR	0	<=	8,000	OR		<=		OR			
	Location in construction documents showing the location for inverters and metering equipment and a pathway for the routing of conduit/ plumbing to the electrical service/ water heating system per §110.10(c).													
Battery storage system design meets the minimum requirements in Joint Appendix JA12 and the minimum energy (kWh)/ power (kW) capacity per Table J.														COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table is includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ALLOCATED SOLAR ZONE

This section does not apply to this project.

G. PERMANENTLY INSTALLED SOLAR PV FOR SOLAR READY EXCEPTION

This section does not apply to this project.

H. PERMANENTLY INSTALLED SOLAR HOT WATER SYSTEMS

This section does not apply to this project.

I. SMART THERMOSTATS AND ALTERNATIVE EFFICIENCY MEASURE FOR SOLAR READY EXCEPTION

This section does not apply to this project.

J. PHOTOVOLTAIC (PV) AND BATTERY SYSTEMS

This table documents compliance with prescriptive photovoltaic and battery system requirements in 140.10/ 170.2(g and h). Unless the project meets one of the listed exceptions, or trades-off PV in an energy model using performance path, 140.10/ 170.2(g and h) requires installed photovoltaic and battery systems for newly constructed buildings. The installed PV systems must meet the minimum requirements in Joint Appendix 11.

Photovoltaic (PV) System

01	02	03	04	05	06	07	08
Occupancy	Conditioned Floor Area (ft²)	Area of New Roof[1] (ft²)	Roof Area < 70% Solar Access[2] (ft²)	Plansheet or Document showing Solar Access Calculations	Occupied Roof Area[3] (ft²)	Solar Access Roof Area (SARA) (ft²)	Min Size of PV System Required (kWdc)
Total Min Size PV System Required for all Spaces (kWdc):							0
Total Size PV System in Design (kWdc):							8

[1] *FOOTNOTES: Includes the area of the building's roof space capable of structurally supporting a PV system and the area of all roof space on covered parking areas, carports, and all other newly constructed structures on the site that are compatible with supporting a PV system per Title 24, Part 2 Section 1511.2.*

[2] *Solar access must be determined using CEC approved solar access calculation tools found at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/solar-assessment-tools.*

[3] *As specified by CBC Section 503.1.4.*

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included Table E. Additional Remarks and ExceptionalConditionMessageCCSABE += UserChangedSelectionInCI. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-SAB-01-E - Must be submitted for all buildings that must comply with solar readiness or PV/Battery requirements.

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company: HAVEN WINERY	Date Signed: 2024-11-12
Address:	License:
City/State/Zip:	Phone:

Norman L. Thomas
RCE 30927
Expires March 31 2026
CIVIL

STUDIO ONE

TITLE-24 BUILDING A ENERGY CALCULATIONS & SOLAR AND BATTERY

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HANN
C-35663
9/30/25

DESIGNER: STUDIO ONE

JOB NO.	S1441.00

REVISIONS

NO.	DESCRIPTION	DATE
5	3RD B&S PLAN CHECK	11/01/24

T1.1

3/4/2025 7:36:08 AM

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STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
This document is used to demonstrate compliance with mandatory requirements in 110.8(g) and 120.7(b)/ 160.1 for newly constructed nonresidential, hotel/ motel, multifamily and mixed-use buildings, and 141.0(b)1/ 180.2 for alterations, related to roof, wall and floor assemblies. It is also used to demonstrate compliance with prescriptive requirements in 140.3/ 170.2 for newly constructed buildings, and 141.0/ 180.1/ 180.2 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.	
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 1 of 8)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	05	# of Stories (Habitable Above Grade)	1
02	Zipcode	92592	06	Total Conditioned Floor Area (ft²)	915
03	Climate Zone	10	07	Total Unconditioned Floor Area (ft²)	2825
04	Occupancy Types Within Project: (select all that apply): If one occupancy constitutes >= 80% of the conditioned floor area, the entire building envelope may be designed to comply with the provisions of that occupancy per 100.0(f).		08	☐	Project includes unconditioned enclosed space(s) > 5,000 ft² under a roof with a ceiling height of at least 15 ft.[1]
● Retail					

[1] FOOTNOTE: Enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15 ft in climate zones 2 through 15 are required to meet the minimum daylighting requirements defined in 140.3(c)/ 170.2(b). Compliance with 140.3(c)/ 170.2(b) is documented in Table L. This is the only prescriptive requirement which applies to unconditioned spaces.

B. PROJECT SCOPE

This table specifies project envelope components within the permit application demonstrating compliance using the prescriptive paths outlined in 140.3/ 170.2 and 141.0(a)1/ 180.1 and 141.0(b)1 and 2/ 180.2 for additions and alterations.

My project consists of (check all that apply) 01	Component Types 02					
☒ New Construction or Newly Conditioned Space	☐	Roof	☒	Walls	☒	Exterior Opaque Doors
☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft			☐	Floors	☒	Fenestration/ Glazed Doors[1]
☐ Addition of conditioned space	☐	Roof	☐	Walls	☐	Exterior Opaque Doors
☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft						
☐ Addition is <=700 ft²			☐	Floors	☐	Fenestration/ Glazed Doors[1]
☐ Addition is >700 ft²						
☐ Alteration of conditioned space	☐	Roof Assembly	☐	Walls		
☐ One or more enclosed spaces > 5,000 ft² directly under roof with ceiling height > 15ft and lighting system installed for the first time	☐	Roofing Material[2]	☐	Floors	☐	Fenestration

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STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 2 of 8)**
	Date Prepared: 3/24/2024

B. PROJECT SCOPE

[1]FOOTNOTE: Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on table K with fenestration.

[2]Roof recovers and replacements must also check "Roof Assembly" box and document compliance with insulation requirements in Table F. Roof recoats may document compliance with roof material only in Table G.

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through L. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see the applicable table referenced below.

Opaque Envelope Components							
Roof Assembly	Roofing Materials	Walls	Floors	Doors	Fenestration	Daylighting Spaces > 5,000ft²	Compliance Results
01	02	03	04	05	06	07	08
(See Table F)	(See Table G)	(See Table H)	(See Table I)	(See Table J)	(See Table K)	(See Table L)	COMPLIES
		Yes		Yes	Yes		

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. ROOF ASSEMBLY SCHEDULE

This section does not apply to this project.

G. RATED ROOFING MATERIAL (COOL ROOF)

This section does not apply to this project.

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 3 of 8)**
	Date Prepared: 3/24/2024

H. WALL ASSEMBLY SCHEDULE

This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/ 170.2(a) for new constructions, 141.0(a)/ 180.1 for additions and 141.0(b)1B/ 180.2 for alterations.

01	Indicate wall types included in the project:[1]	☐ Framed	☐ Mass (new only)	☐ Concrete Sandwich Panel (new only)	☐ SIPS	☐ ICF (new only)
		☒ Metal Panels	☐ Metal Building	☐ Spandrel/ Curtain Wall	☐ Straw Bale	☐ Log Home (new only)

[1] FOOTNOTES: Wall types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.

Metal Panel Walls

01	☒	Include Metal Panel Walls in Area-Weighted Average U-factor Calculation[1]						
02	03	04	05	06	07	08		09
Tag/Plan Detail ID	Name/Description	Occupancy & Status	How Design U-factor was determined	Panel Thickness (in.)	Maximum U-factor Allowed	U-factor per Design		Net Area[2] ft²
East Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4 per Software/ Other	0.053	484
South Metal Bldg Wall	Metal Building Ins Panel 3''	Nonresidential/ Relocatable 1 CZ: New	JA4 Tables	3"	0.055	per JA4 per Software/ Other	0.053	280

[1]FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal Panel walls are combined with wood framed, spandrel & curtain, SIPs, and straw bale wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in 141.0(b)1B3.

[3] Wall area minus any fenestration area

Area-Weighted Average U-factor Compliance Calculation for Wood Framed/ SIPs/ Spandrel/ Curtain/ Metal Panel/ Straw Bale Wall Types

01	02	03	04	05
Wall Type	Total Area of Wall Type (ft²)	Area-weighted U-factor for Wall Type		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
Metal Panel	764	0.055	0.053	
Total for all Wall Types:	764	0.055	0.053	COMPLIES

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 4 of 8)**
	Date Prepared: 3/24/2024

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

J. EXTERIOR DOOR SCHEDULE

This table demonstrates compliance with prescriptive exterior door requirements in 140.3(a)7/ 170.2(a)4 for new construction or additions. Doors which are being replaced (alterations) do not need to be documented in this table because there are no Title 24, Part 6 requirements that apply. Exterior doors separate conditioned space from unconditioned space or from ambient air. Doors that are more than 25% glass in area are considered Glazed Doors and should be documented on Table K with fenestration per Table B.

01	02	03	04	05	06	07	
Tag/Plan Detail ID	Name/Description	Occupancy Type	Door Type	Door Insulation	Maximum Allowed U-factor	U-factor per Design	
	Wood Door	Nonresidential	Swinging	Any other wood door	0.7	per JA4	0.5

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This table demonstrates compliance with prescriptive fenestration requirements in 140.3(a)5/ 170.2(a)3 for new constructions, 141.0(a)/ 180.1 for additions, or 141.0(b)2A/ 180.2 for alterations. Exterior doors that are more than 25% glass in area are considered Glazed Doors and should be documented on this table with fenestration.

01	Indicate fenestration types included in the project:[1]	☐ Vertical (alterations)	☒ Vertical (new)	☐ Skylights	☐ Glazed Doors (new only)

[1] FOOTNOTES: Fenestration types indicated above as "(new only)" do not have Title 24, Part 6 requirements for alterations. New construction and additions do have requirements and should be clicked above and compliance demonstrated within this table.

Vertical Fenestration and Glazed Doors- Total Building & West Facing Area (New Construction & Additions Only)

01	02	03	04	05
Elevation Item Tag/ Description	Orientation (Azimuth)[1]	Gross Exterior Wall Area[2] (ft²)	Display Perimeter Length[2] (ft)	Vertical Fenestration Area per Design[3] (ft²)
North	North Facing	0	0	0
East	East Facing	532	0	24
South	South Facing	280	0	0
West	West Facing	0	0	0
06 Maximum Allowed Vertical Fenestration (ft²)- All Orientations		315.2	07 Total Vertical Fenestration (ft²) per design- All Orientations	24

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 5 of 8)**
	Date Prepared: 3/24/2024

K. FENESTRATION AND GLAZED DOOR SCHEDULE

Vertical Fenestration and Glazed Doors- Total Building & West Facing Area (New Construction & Additions Only)

01	02	03	04	05
Elevation Item Tag/ Description	Orientation (Azimuth)[1]	Gross Exterior Wall Area[2] (ft²)	Display Perimeter Length[2] (ft)	Vertical Fenestration Area per Design[3] (ft²)
08 Maximum Allowed Vertical Fenestration (ft²)- West Facing		0	09 Total Vertical Fenestration (ft²) per design- West Facing	0

[1]FOOTNOTES: Orientation between 226 deg and 315 deg are considered "West Facing". A diagram has been provided in the Nonresidential Compliance Manual for visual reference.

[2]Do not include demising walls per 140.3(a)5 .

[3] Includes glazed door fenestration area .

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

01	☒	Calculate Area-Weighted Average U-factor for Vertical Fenestration and Glazed Doors[1]
02	☒	Calculate Area-Weighted Average (R)SHGC for Vertical Fenestration and Glazed Doors[1]
03	☒	Calculate Area-Weighted Average VT for Vertical Fenestration and Glazed Doors[1]

Vertical Fenestration And Glazed Doors- U-factor, Solar Heat Gain Coefficient (RSHGC/ SHGC), Visible Transmittance (VT)

04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Fenestration Type	Occupancy & Status	U-factor/ (R)SHGC Compliance Method	VT Compliance Method	Calculation Method for Performance Values per Design[2]	Product Performance Unit	Required Product Performance	Product Performance per Design	Area ft²
East Windows	Fixed window	Nonresidential/ Relocatable 1 CZ: : New			NFRC Certified	U-factor (max)	0.36	0.36	24
					☐ Overhang/ Slats used for RSHGC	(R)SHGC (max)	0.25	0.25	
						VT (min)	0.42	0.42	

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 6 of 8)**
	Date Prepared: 3/24/2024

K. FENESTRATION AND GLAZED DOOR SCHEDULE

[1]FOOTNOTES: If any individual fenestration product is non-compliant, products may show compliance using an area-weighted calculation. Chromogenic glazing is not included in area-weighted calculations. Area-weighted calculation shown in separate area-weighted table below.

[2]The NA6 Default Calculation can only be used for alterations or dwelling units in buildings with <= 3 habitable stories. Alterations are limited to 200ft² of site built glazing and dwelling units are limited to 250ft² or 5% of conditioned floor area. If the fenestration does not meet these conditions, the only options for determining fenestration values are NFRC Certification or the Default Tables in 110.6.

[3] Overhangs must extend past the left and right window the same distance as the depth of the overhang or greater to show an affect on the RSHGC. If an overhang does not meet this requirement, the affect of the overhang will be ignored.

[4]Projecting includes casement and awning windows.

Area-Weighted Average U-factor, SHGC, VT Compliance Calculation for Vertical Fenestration And Glazed Doors

01	02	03	04	05
Product Performance Unit	Total Area of Fenestration (ft²)	Area-weighted Calculation for Fenestration		Compliance Results Using Area-Weighted Calculation Option
		Required	Designed	
U-Factor	24	0.36	0.36	COMPLIES
(R)SHGC	24	0.25	0.25	COMPLIES
VT	24	0.42	0.42	COMPLIES

L. DAYLIGHT IN LARGE ENCLOSED SPACES

This section does not apply to this project.

M. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ENV-01-E - Must be submitted for all buildings

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 7 of 8)**
	Date Prepared: 3/24/2024

N. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, form user must provide an explanation in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/. Individuals who perform the field testing and verification work, and provide the information required for completion of the fenestration Certificate of Acceptance documentation are not required to be licensed professionals. However, the person who signs the Certificate of Acceptance document to certify compliance with the acceptance requirements shall be licensed as specified in Standards Section 10-103(a)4 and NA7.3.1

Form/Title	Systems/Spaces To Be Field Verified
NRCA-ENV-02-F must be submitted for all new, added or altered site built fenestration.	

O. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA

Envelope Component Approach

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ENV-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 8 of 8)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas RCE 30927 Expires March 31 2026

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company: HAVEN WINERY	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 1 of 8)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Total Conditioned Floor Area (ft²)	915
02	Climate Zone	10	05	Total Unconditioned Floor Area (ft²)	2,825
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1
● Retail					

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Complete Building Method	915	Complete Building Method	2825
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	915		2825	

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 2 of 8)**
	Date Prepared: 3/24/2024

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)							Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned	824				=	824	≥	360	0	=	360	COMPLIES
Unconditioned	2,542				=	2,542	≥	2,007	0	=	2007	COMPLIES
Controls Compliance (See Table H for Details)												COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)												

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 3 of 8)**
	Date Prepared: 3/24/2024

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A Recessed LED	TYPE A LED	No	NA	18	Mfr. Spec	20	No	360	☐	☐
Total Designed Watts: CONDITIONED SPACES								360		

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
D Hanging Main	TYPE D Hanging	No	NA	223	Mfr. Spec	6	No	1,338	☐	☐
D Hanging Mezz	TYPE D Hanging	No	NA	223	Mfr. Spec	3	No	669	☐	☐
Total Designed Watts: UNCONDITIONED SPACES								2,007		

[1]FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

[2]Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 4 of 8)**
	Date Prepared: 3/24/2024

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector	
		Pass	Fail
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Sky lit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector	
								Pass	Fail
					13				
					Plan Sheet Showing Daylit Zones:				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Whole Building	Retail	0.9	915	823.5	No	No
		TOTALS:	915	823.5	See Tables J, or P for detail	

Unconditioned Spaces

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 5 of 8)**
	Date Prepared: 3/24/2024

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Whole Building	Retail	0.9	2,825	2,542.5	No	No
		TOTALS:	2,825	2,542.5	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 6 of 8)**
	Date Prepared: 3/24/2024

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 7 of 8)**
	Date Prepared: 3/24/2024

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 8 of 8)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas RCE 30927 Expires March 31 2026

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 1 of 7)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Total Illuminated Hardscape Area (ft²)	0
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters		☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● Retail					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 2 of 7)**
	Date Prepared: 3/24/2024

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
0	+	---	+	---	+	---	+	228	OR	---	=	228	≥	228	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															Not applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 3 of 7)**
	Date Prepared: 3/24/2024

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table Below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector	
										Pass	Fail
EXT SCONCE	TYPE E SCONCE	☐ Linear	16	Mfr. Spec	5	New	☐	80	NA: < 6200 lumens	☐	☐
EXT WALL PAC	TYPE F WALL PAC	☐ Linear	37	Mfr. Spec	4	New	☐	148	NA: < 6200 lumens	☐	☐
Prod Pad Lites	TYPE D Hanging	☐ Linear	223	Mfr. Spec	6	New	☒	---	NA: < 6200 lumens	☐	☐
							Total Design Watts:	228			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1]FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)

[2] For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

[3] Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.

[4] Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 4 of 7)**
	Date Prepared: 3/24/2024

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail

[1]FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.

[2]Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.

[3]Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

	01				
This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.	☐ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
		☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 5 of 7)**
	Date Prepared: 3/24/2024

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
Area Description	Specific Area Type per Table 140.7-B	CALCULATED ALLOWANCE (Watts)			DESIGN WATTS				Additional Allowance (Watts)
		Specific Area (ft²)[1]	Allowed Density (W/ft²)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	
Exterior Sconce	BuildingFacade	1938	0.1	193.8	EXT SCONCE	16	5	80	80
					Total Design Watts for this Area:			80	
Exterior Wall Pack	BuildingFacade	1800	0.1	180	EXT WALL PAC	37	4	148	148
					Total Design Watts for this Area:			148	
							Total Allowance (Watts) All Areas:		228

[1] FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft² for these additional lighting allowances.

[2] For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 6 of 7)**
	Date Prepared: 3/24/2024

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 7 of 7)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas RCE 30927 Expires March 31 2026

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-MCH-E**
This document is used to demonstrate compliance for mechanical systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, or 141.0(b)2 for alterations.	
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 1 of 10)**
Project Address: 41625 Camino De Vino	**Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	04	Total Conditioned Floor Area	915
02	Climate Zone	10	05	Total Unconditioned Floor Area	2825
03	Occupancy Types Within Project:		06	# of Stories (Habitable Above Grade)	1
● Retail					

B. PROJECT SCOPE

This table Includes mechanical systems or components that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.4, 170.2(b) or 141.0(b)2 and 180.2(b)2 for alterations.

01		02		03	
Air System(s)		Wet System Components		Dry System Components	
☒	Heating Air System	☐	Water Economizer	☐	Air Economizer
☒	Cooling Air System	☐	Pumps	☐	Electric Resistance Heat
Mechanical Controls		☐	System Piping	☒	Fan Systems
☒	Mechanical Controls (existing to remain, altered or new)	☐	Cooling Towers	☒	Ductwork (existing to remain, altered or new)
		☐	Chillers	☒	Ventilation
		☐	Boilers	☐	Zonal Systems/ Terminal Boxes

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-MCH-E**
Project Name: Bldg B Haven Winery Production Sales	**Report Page:** **(Page 2 of 10)**
	Date Prepared: 3/24/2024

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with mechanical requirements. This table is not editable by the user. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D., or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08	09
System Summary 110.1, 110.2, 140.4, 170.2(c)	AND	Pumps 140.4(k), 170.2(c)4I	AND	Fans/ Economizers 140.4(c), 140.4(e), 170.2(c)	AND	System Controls 110.2, 120.2, 140.4(f), 170.2(c)	AND	Ventilation 120.1, 160.2	AND	Terminal Box Controls 140.4(d), 170.2(c)4B	AND	Distribution 120.3, 140.4(l), 160.2, 160.3	AND	Cooling Towers 110.2(e)2	Compliance Results
(See Table F)		(See Table G)		(See Table H)		(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES
Mandatory Measures Compliance (See Table Q for Details)												COMPLIES			

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Space Conditioning System Information

01	02	03	04	05	06
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat
Bldg B HVAC	1	Single zone	New/ Addition		☐

STUDIO ONE

TITLE-24 BUILDING B ENERGY CALCULATIONS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

GREGORY SCOTT HAM C 35663 6/30/25

DESIGNER: STUDIO ONE

JOB NO. S1|441.00

REVISIONS

NO.	DESCRIPTION	DATE

T1.2

3/4/2025 7:36:09 AM

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STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 3 of 10)
Date Prepared: 3/24/2024

F. HVAC SYSTEM SUMMARY (DRY & WET SYSTEMS)

Dry System Equipment Sizing (includes air conditioners, condensers, heat pumps, VRF, furnaces and unit heaters and DOAS systems)

01	02	03	04	05	06	07	08	09	10	11
Name or Item Tag	Equipment Category per Tables 110.2, 140.4(a)2 and 170.2(c)3aii	Equipment Type per Tables 110.2 and Title 20	Smallest Size Available[1] 140.4(a) and 170.2(c)1	Equipment Sizing per Mechanical Schedule (kBtu/h) 140.4(a&b), 170.2(c)1 & 170.2(c)2						
				Heating Output[2,3]			Cooling Output[2,3]		Load Calculations[3,4]	
				Per Design (kBtu/h)	Rated (kBtu/h)	Supp. Heating Output (kBtu/h)	Sensible Per Design (kBtu/h)	Rated (kBtu/h)	Total Heating Load (kBtu/h)	Total Sensible Cooling Load (kBtu/h)
Bldg B HVAC	Unitary Heat Pumps	Air-cooled, split (3 phase)	NA: Load Controls	17.72	30	0	24.16	23.4	29.85	24.33

[1] *FOOTNOTES: Equipment shall be the smallest size, within the available options of the desired equipment line, necessary to meet the design heating and cooling loads of the building per 140.4(a) and 170.2(c)1. Healthcare facilities are excepted.*

[2] *It is common practice to show rated output capacity on the equipment schedule. Sensible cooling output comes from specification sheet tables.*

[3] *If equipment is heating only, leave cooling output and load blank. If equipment is cooling only, leave heating output and load blank.*

[4] *Authority Having Jurisdiction may ask for load calculations used for compliance per 140.4(b) and 170.2(c).*

Dry System Equipment Efficiency (other than Package Terminal Air Conditioners (PTAC) and Package Terminal Heat Pumps (PTHP), DX-DOAS and Dual Fuel Heat Pumps)

01	02	03	04	05	06	07	08	09
Name or Item Tag	Size Category (Btu/h)	Heating Mode				Cooling Mode		
		Rating Condition (°F)	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency	Efficiency Unit	Minimum Efficiency Required per Tables 110.2 / Title 20	Design Efficiency
Bldg B HVAC	<65,000		HSPF2	7.5	7.5	SEER2	14.3	14.3

G. PUMPS

This section does not apply to this project.

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 4 of 10)
Date Prepared: 3/24/2024

H. FAN SYSTEMS & AIR ECONOMIZERS

This table is used to demonstrate compliance with prescriptive requirements found in 140.4(c), 140.4(e), 140.4(m), 170.2(c)3, and 170.2(c)4A for fan systems. Fan systems serving only process loads are exempt from these requirements and do not need to be included in Table H.

System Name	Bldg B HVAC	Quantity	1	Fan System Status	New	System Zoning	all other systems	Serving Dwelling Units	Not Serving Dwelling Units	Fan System Airflow (cfm)	1,000	Site Elevation	1,006	Economizer	NA: <=33 kBtu/h cooling

01	02	03	04	05	06	07	08	09	10	11
						Allowance		Design		
Fan Name or Item Tag	Fan Type	Qty	Component	Airflow through Component (%)	Water Gauge (w.g)	Component Allowance	Fan Allowance (watt/cfm)[3]	Design Electrical Input Power Method	Motor Nameplate Horsepower	Design Electrical Input Power (kW)
SF	Supply	1	Base Allowance for system serving spaces <=6 floors away	1,000		232		Manufacturer provided		0.22
			MERV 13-16 Filter upstream of thermal conditioning equipment	1,000		139				
			Hydronic/DX cooling coil or heat pump coil	1,000		139				
Supply Fan Base Allowance (kW)			Exhuast/Return/Relief/Transfer Fan Base Allowance(kW)			Fan System Allowance (kW)[3]		1	Fan System Electrical Output (kW)	0.22

[1] *FOOTNOTES: Fans serving spaces with design background noise goals below NC35*

[2] *Low-turndown single-zone VAV fan system must be capable of and configured to reduce airflow to 50 percent of design airflow and use no more than 30 percent of the design wattage at that airflow. No more than 10 percent of the design load served by the equipment shall have fixed loads.*

[3] *Fan system allowance includes fan system base allowance.*

[4] *Filter pressure loss can only be counted once per fan system.*

[5] *Complex Fan System means a fan system that combines a single cabinet fan system with other supply fans, exhaust fans, or both.*

[6] *Computer room economizers must meet requirements of 140.9(a) and will be documented on the NRCC-PRC-E document..*

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 5 of 10)
Date Prepared: 3/24/2024

H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(c)4O

01	02	03	04	05	06	07	08	09	10	11
Fan System Name	Qty	Hours of Operation per Year	Design Supply Airflow Rate	Outdoor Airflow	% Outdoor Air at Full Design Airflow	Exemptions to Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(c)4O	Exhaust Air Heat Recovery 140.4(q) & 170.2(c)4O	Type Of Heat Recovery Rating	Required Recovery Ratio	Energy Recovery Bypass

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Exception	FEI

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in 110.2 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(c)4D 170.2(c)4L or requirements in 141.0(b)2E 180.2(b)2 for altered space conditioning systems.

01	02	03	04	05	06	07	08	09
System Name	System Zoning	Conditioned Floor Area Being Served (ft^2)	Thermostats 110.2(b) & (c)[1], 120.2(a) 160.3(a)2A or 141.0(b)2E & 180.2(b)2	Shut-Off Controls 120.2(e) & 160.3(a)2D	Isolation Zone Controls 120.2(g) & 160.3(a)2F	Demand Response 110.12 120.2(b) & 160.3(a)2B	Supply Air Temp. Reset 140.4(f) & 170.2(c)4D	Window Interlocks per 140.4(n) & 170.2(c)4D
Bldg B HVAC	Single zone	<= 25,000 ft^2	EMCS	NA: 7 day per 120.2(e)1	4 Hour Timer	EMCS	NA: Alteration	NA: Alteration Project

[1] *FOOTNOTES: Gravity gas wall heaters, gravity floor heaters, gravity room heaters, non-central electric heaters, fireplaces or decorative gas appliances, wood stoves are not required to have setback thermostats.*

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 6 of 10)
Date Prepared: 3/24/2024

J. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1 120.2(e)3B 140.4(p) and 140.4(q) for all nonresidential and hotel/motel and d:t24refnolink/]160.2, 160.3(a)3D, 170.2(a)4N, 170.2(a)4O for high-rise residential occupancies. For alterations, only ventilation systems being altered within the scope of the permit application need to be documented in this table. In lieu of this table, the required outdoor ventilation rates and airflows may be shown on the plans or the calculations can be presented in a spreadsheet.

01	☐	Check the box if the project is showing ventilation calculations on the plans, or attaching the calculations instead of completing this table.
02	☒	Check this box if the project included Nonresidential, Hotel/Motel Spaces or Multifamily Common Use Spaces
	☐	
03	☐	Check the box if the project is using natural ventilation in any nonresidential or hotel/motel spaces to meet required ventilation rates per 120.1(c)2.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

04		05		06		07
System Name	Bldg B HVAC	System Design OA CFM Airflow[1]	300	System Design Transfer Air CFM	0	Air Filtration per 120.1(c) 141.0(b)2 and 160.2(c)21[2] Provided

08	09	10	11	12	13	14	15	16	
Space Name or Item Tag	Mechanical Ventilation Required per 120.1(c)3[3] & 160.2(c)3					Exh. Vent per 120.1(c)4 & 160.2(c)4		DCV or Sensor Controls per 120.1(d)3, 120.1(d)5, and 120.1(e)3[6] 160.2(c)5D 160.2(c)5E 160.2(c)5D	
	Occupancy Type[4]	Conditioned Floor Area (ft^2)	# of Shower heads/ toilets	# of people[5]	Required Min OA CFM	Required Min CFM	Provided per Design CFM		
Bldg B Conditioned Zone	Retail sales	915	2	20	300	140	0	DCV	NA: Not required per §120.1(d)3
								Occ Sensor	NA: Not required space type
17	Total System Required Min OA CFM				300	18	Ventilation for this System Complies?		Yes

[1] *FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system*

[2] *Air filtration requirements apply to the following three system types per 120.1(c)1A: space conditioning systems utilizing ducts to supply air to occupiable space; supply-only ventilation systems providing outside air to occupiable space; supply side of balanced ventilation systems including heat recovery and energy recovery ventilation systems providing outside air to occupiable space.*

[3] *Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.*

[4] *See Standards Tables 120.1-A and 120.1-B.*

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 7 of 10)
Date Prepared: 3/24/2024

J. VENTILATION AND INDOOR AIR QUALITY

[5] *For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.*

[6] *120.2(e)3 requires systems serving rooms that are required by 130.1(c) to have lighting occupancy sensing controls to also have occupancy sensing zone controls for ventilation. Examples of spaces which require lighting occupancy sensors include offices 250ft^2 or smaller, multipurpose rooms less than 1,000 ft^2, classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading zones, unless excepted by 130.1(c).*

K. TERMINAL BOX CONTROLS

This section does not apply to this project.

L. DISTRIBUTION (DUCTWORK and PIPING)

This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4(g) for duct sealing.

01	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service. Insulation covering chilled water piping and refrigerant suction piping located outside the conditioned space shall have a Class I or Class II vapor retarder. All penetrations and joints of which shall be sealed.

Duct Leakage Testing

The answers to the questions below apply to the following duct systems:	Bldg B HVAC	**NR/ Common Use:** Duct leakage testing shall not exceed 6% per NA7.5.3 required for these systems?	No

---

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 8 of 10)
Date Prepared: 3/24/2024

L. DISTRIBUTION (DUCTWORK and PIPING)

		Dwelling Units: Total duct leakage of duct system shall not exceed 12% or duct system to outside shall not exceed 6% per RA3.1.4 required for systems?	No
		Duct leakage testing per CMC Section 603.10.1 required for these systems?	Yes
11	No	The scope of the project includes only duct systems serving healthcare facilities	
12	Yes	Duct system provides conditioned air to an occupiable space for a constant volume, single zone, space-conditioning system.	
13	Yes	The space conditioning system serves less than 5,000 ft^2 of conditioned floor area.	
14	No	The combined surface area of the ducts is more than 25% of the total surface area of the entire duct system:	
15		The scope of the project includes extending an existing duct system, which is constructed, insulated or sealed with asbestos.	
16	No	The scope of the project includes an existing duct system that is documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in the Reference Nonresidential Appendix NA2.	
17		All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A	
18		All ductwork is an extension of an existing duct system	
19		Ductwork serving individual dwelling unit	
20		< 25 ft of new or replacement space conditioning ducts installed	
21	R-8	Duct Insulation R-value	
22			
23			

M. COOLING TOWERS

This section does not apply to this project.

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 9 of 10)
Date Prepared: 3/24/2024

N. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title
NRCI-MCH-01-E - Must be submitted for all buildings

O. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCA/

Form/Title	Systems/Spaces To Be Field Verified
NRCA-MCH-02-A - Outdoor Air must be submitted for all newly installed HVAC units. Note: MCH-02-A can be performed in conjunction with MCH-07-A Supply Fan VFD Acceptance (if applicable) since testing activities overlap.	Nominal 2.5 ton Heat Pump;
NRCA-MCH-03-A - Constant Volume Single Zone HVAC NOTE: This form does not automatically move to "Yes'. If Constant Volume Single Zone HVAC Systems are included in the scope, permit applicant should move this form to "Yes".	Nominal 2.5 ton Heat Pump;
NRCA-MCH-11-A Automatic Demand Shed Controls	Nominal 2.5 ton Heat Pump;
NRCA-MCH-18-A Energy Management Control Systems	Nominal 2.5 ton Heat Pump;

P. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no NRCV forms required for this project.

Q. MANDATORY MEASURES DOCUMENTATION LOCATION

This table is used to indicate where mandatory measures are documented in the plan set or construction documentation.

01		02
Compliance with Mandatory Measures documented through MCH Mandatory Measures Note Block	Yes	Plan sheet or construction document location
		M-Sheets

STATE OF CALIFORNIA

Mechanical Systems

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-MCH-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 10 of 10)
Project Address: 41625 Camino De Vino **Date Prepared:** 3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature: Norman L. Thomas RCE 30927 Expires March 31 2026
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E

This document is used to demonstrate compliance for nonresidential occupancies with requirements in 110.1, 110.3, 120.3, and 140.5, and with requirements in 141.0 for additions and alterations, for domestic water heating scopes using the prescriptive path. For high-rise residential and hotel/motel occupancies compliance is demonstrated with requirements in 110.1, 110.3, 160.4 and 170.2(d), and with requirements 180.1 for additions and 180.2 for alterations.

Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 1 of 7)
Project Address: 41625 Camino De Vino **Date Prepared:** 3/24/2024

A. GENERAL INFORMATION

01	Project Location (city)	Temecula	02	Climate Zone	10
03	Occupancy Types Within Project (select all that apply):				

- Retail

B. PROJECT SCOPE

This table includes domestic water heating systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive paths outlined in 140./ 170.2(d) and 141.0(a)/ 180.1, or 141.0(b)2N / 180.2 for additions or alterations. Solar water heating systems are documented on the NRCC-SAB compliance document. Combined hydronic water heating systems are documented on the NRCC-MCH compliance document.

01	02	03		
My project consists of (check all that apply):	System Type[1,2]	System Components		
☒ New system (DHW system being installed for the first time)	Individual System (serving nonresidential spaces)	☒ Equipment	☒ Distribution	☒ Controls
☒ New system (DHW system being installed for the first time)	Combined Hydronic System	☒ Equipment	☒ Distribution	☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment	☐ Distribution	☐ Controls

ALERT! Combined domestic and hydronic water heating systems are documented on the NRCC-MCH compliance document. If combined hydronic water heating systems are used in conjunction with domestic only systems to meet the water heating needs of the building, document the domestic only systems on this compliance document.

[1] *FOOTNOTES: Point of use water heaters, or other non-central systems used to serve nonresidential spaces, are considered individual systems.*

[2] *Dwelling units refers to hotel/motel guest rooms and units in a multifamily residential occupancy.*

[3] *DHW systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies*

C. COMPLIANCE RESULTS

Table C will indicate if the project data input into the compliance document is compliant with water heating requirements. If this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. or the table indicated as not compliant for guidance.

01	02	03	04
Domestic Hot Water Equipment	Distribution Systems	Controls	**Compliance Results**
Table F	Table G	Table H	
Yes	Yes	Yes	COMPLIES

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 2 of 7)
Date Prepared: 3/24/2024

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 3 of 7)
Date Prepared: 3/24/2024

F. DOMESTIC HOT WATER EQUIPMENT

This table is used to demonstrate compliance with mandatory equipment requirements in 110.1 and 110.3. Compliance with prescriptive requirements in 140.5(c) / 170.2(d) must also be demonstrated and with 141.0 / 180.1/ 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03		04			05		06	
System Name	50g Commercial Water Heater	Exception to 140.5(c)/ 170.2(d)3			☐	Gas Service Water Heating System >= 1MMBtu/h[1]	Capacity-weighted Average Efficiency %	

07	08	09	10		11	12	13	14	15
Name or Item Tag	Equipment Type	Volume (gal)	Rated Input Capacity (Btu/h)	Max GPM/ First Hour Rating (FHR)	Rated Efficiency	Minimum Efficiency Required	Efficiency Unit	Designed Standby Loss	Maximum Standby Loss
50g Commercial Water Heater	Commercial Electric Storage Water Heater	50	49,890	FHR >=75	0.99	0.93	UEF		

[1] *FOOTNOTE: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity > 100,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.*

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Unfired storage tank insulation shall have Internal + External >=R-16 OR External >=R-3.5. Label required per 110.3(c)3
19	☐	☐	☒	New state buildings 60% of energy for service water heating from site solar energy or recovered energy per 110.3(c)5
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >6.8 kBTUH or 2 kW has been specified per 110.3(c)6
21	☐	☐	☒	School buildings < 25,000 ft^2 and < 4 stories must install a heat pump water heating system per 140.5(a)1. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 4 of 7)
Date Prepared: 3/24/2024

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

This table is used to demonstrate compliance for nonresidential occupancies with distribution requirements in 120.3 and 140.5. For multifamily and hotel/motel occupancies, compliance is demonstrated with requirements 110.3(c), 160.4, 170.2(d).

Mandatory Pipe Insulation All Occupancies

13	☐	For systems serving dwelling units, pipe insulation must meet the minimum insulation requirements in Table 160.4-A (see blow) except: • Piping that penetrates framing members shall not be required to have pipe insulation for the distance of the framing penetration. Piping that penetrates metal framing shall use grommets, plugs, wrapping or other insulating material to assure that no contact is made with the metal framing. Insulation shall abut securely against all framing members • Piping installed in interior or exterior walls shall not be required to have pipe insulation if all of the requirements are met for compliance with Quality Insulation Installation (QII) as specified in the Reference Residential Appendix RA3.5. • Piping surrounded with a minimum of 1 inch of wall insulation, 2 inches of crawlspace insulation, or 4 inches of attic insulation, shall not be required to have pipe insulation.
14	☒	For systems serving nonresidential spaces, pipe insulation for the following applications is specified to comply with Table 120.3-A (see below) per 120.3: • Recirculating system piping, including supply and return piping of the water heater • The first 8 ft of hot and cold outlet piping, including between storage tank and heat trap, for a nonrecirculating storage system • Pipes that are externally heated
15	☐	Insulation shall be protected from damage, including that due to sunlight, moisture, equipment maintenance, and wind. Insulation exposed to weather shall be installed with a cover suitable for outdoor service per 120.3(b) / 160.4(f). Pipe insulation buried below grade must be installed in a water proof and non-crushable casing or sleeve.

TABLE 120.3-A / 160.4-A PIPE INSULATION THICKNESS

Fluid Temperature Range (°F)	Conductivity Range (Btu-in per hour per ft^2 per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)			
			< 1	1 to < 1.5	1.5 to < 4	1.5 to < 4 Multifamily & Hotel/Motel
			Minimum Insulation Required			
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-12.5	1.5 in or R-11	2.0 in or R-16

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 5 of 7)
Date Prepared: 3/24/2024

H. DOMESTIC HOT WATER CONTROLS

This table is used to demonstrate compliance with control requirements in 110.3 for all occupancies. For multifamily residential and hotel/motel occupancies, compliance is also demonstrated with requirements in 160.4(e) / 170.2(d).

	Yes	No	Not Applicable	Requirement
01	☒	☐	☐	Construction documents require manufacturer certification that service water-heating systems are equipped with automatic temperature controls capable of adjusting temperature settings per 110.3(a).
02	☐	☐	☒	Systems with capacity > 167,000 BTUH equipped with outlet temperature controls per 110.3(c)1 unless covered by California Plumbing Code 613.0.
03	☐	☐	☒	Controls for circulating pumps or electrical heat trace systems are capable of automatically turning off the system per §110.3(c)2 unless systems serves healthcare facility.
04	☐	☐	☒	For recirculation systems serving multiple dwelling units, design includes automatic pump controls per 170.2(d) or 180.1(b)3 for additions.
05	☐	☐	☒	For recirculation systems serving individual dwelling units, design includes manual on/off controls as specified in Reference Appendix RA4.4.9 per 170.2(d).
06	☐	☐	☒	Combustion air positive shut-off shall be provided per 160.4(3).on all newly installed commercial boilers as follows: • Boilers with input capacity >= 2.5 MMBtu/h, in which the boiler is designed to operate with a nonpositive vent static pressure • Boilers where one stack serves two or more boilers with a total combined input capacity per stack of 2.5 MMBtu/h.
07	☐	☐	☒	Boiler combustion air fans with motor >= 10 hp shall meet one of the following • The fan motor shall be driven by a variable speed drive OR • The fan motor shall include controls that limit the fan motor demand to <=30% of the total design wattage at 50% of the design air volume.
08	☐	☐	☒	Newly installed boilers with an input capacity {d:gte/] 5MMBtu/h and a steady state full-load combustion efficiency < 90% shall maintain excess (stack-gas) oxygen concentrations <= 5% by volume on a dry basis over firing rates of 20-100%. Combustion air volume shall be controlled with respect to firing rate or flue gas oxygen concentration. Use of a common gas and combustion air control linkage or jack shaft is prohibited.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 6 of 7)
Date Prepared: 3/24/2024

I. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-PLB-E - Must be submitted for all buildings

J. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no forms required for this project.

K. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

There are no forms required for this project.

STATE OF CALIFORNIA

Domestic Water Heating System

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-E
Project Name: Bldg B Haven Winery Production Sales **Report Page:** (Page 7 of 7)
Project Address: 41625 Camino De Vino **Date Prepared:** 3/24/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature: Norman L. Thomas RCE 30927 Expires March 31 2026
Company: T&K Engineering	Signature Date: 2024-03-24
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-24
Address:	License:
City/State/Zip:	Phone:

STUDIO ONE

TITLE-24 BUILDING B ENERGY CALCULATIONS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO. S1441.00

REVISIONS

NO. DESCRIPTION DATE

T1.3

3/4/2025 7:36:10 AM

THIS DOCUMENT IS AN INSTRUMENT OF PROFESSIONAL SERVICE OF STUDIO ONE, INC. STUDIO ONE, INC. SHALL TO THE FULLEST EXTENT PERMITTED BY LAW, BE HELD HARMLESS AND RELEASED FROM ANY DAMAGE, LIABILITY, OR EXPENSE ARISING OR ALLEGEDLY ARISING FROM ANY UNAUTHORIZED MODIFICATION OR REUSE OF THIS DOCUMENT BY OTHERS. ALL DRAWINGS PRODUCED ARE PROPRIETARY PROPERTY OF STUDIO ONE, INC. AND CANNOT BE DUPLICATED OR REUSED WITHOUT THE WRITTEN CONSENT OF STUDIO ONE, INC. © 2025

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTI-E**

This document is used to demonstrate compliance with requirements in 110.9, 110.12(c), 130.0, 130.1, 140.6 and 141.0(b)2 for indoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e) and 180.2(b)4 for indoor lighting scopes using the prescriptive path for multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 1 of 7)**
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/25/2024

A. GENERAL INFORMATION

01	Project Location (city)	TEMECULA	04	Total Conditioned Floor Area (ft²)	0
02	Climate Zone	10	05	Total Unconditioned Floor Area (ft²)	600
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

- Warehouse

B. PROJECT SCOPE

This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.6 / 170.2(e) or 141.0(b)2 / 180.2(b)4 for alterations.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	0	Area Category Method	600
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	0		600	

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 2 of 7)**
		Date Prepared:	3/25/2024

C. COMPLIANCE RESULTS

If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per 140.6(b)1 / 170.2(e)	Allowed Lighting Power per 140.6(b) / 170.2(e) (Watts)							Adjusted Lighting Power per 140.6(a) / 170.2(e) (Watts)				Compliance Results
	01	02	03	04		05		06	07		08	09
	Complete Building 140.6(c)1	Area Category 140.6(c)2 / 170.2(e)4	Area Category Additional 140.6(c)2G / 170.2(e)4Av (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	=	**Total Allowed** (Watts)	≥	Total Designed (Watts)	Adjustments PAF Lighting Control Credits 140.6(a)2 / 170.2(e)1B (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 140.6 / 170.2(e)**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)				(See Table F)	(See Table P)			
Conditioned					=		≥			=		
Unconditioned		240	0		=	240	≥	223	0	=	223	COMPLIES
Controls Compliance (See Table H for Details)												COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)												

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 3 of 7)**
		Date Prepared:	3/25/2024

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling unit/ hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table T. If using Table T to document lighting in multifamily common use areas providing shared provisions for living, eating, cooking or sanitation, those luminaires are not included here.

Designed Wattage: Unconditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector Pass	Fail
Bldg C Storage Lite	Hanging Lite D	No	NA	223	Mfr. Spec	1	No	223	☐	☐
							Total Designed Watts: UNCONDITIONED SPACES	223		

[1]*FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per 140.6(a)4B / 170.2(e)2D is adjusted to be 75% /80% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.*

[2]*Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b). Wattage used must be the maximum rated for the luminaire, not the lamp.*

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

This table includes lighting controls for conditioned and unconditioned spaces.

Building Level Controls

01	02	03	
Mandatory Demand Response 110.12(c)	Shut-off controls 130.1(c) / 160.5(b)4C	Field Inspector Pass	Fail
Required >= 4,000W subject to multilevel	Whole Building Auto Time Switch	☐	☐

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 4 of 7)**
		Date Prepared:	3/25/2024

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Manual Area Controls 130.1(a) / 160.5(b)4A	Multi-Level Controls 130.1(b) / 160.5(b)4B	Shut-Off Controls 130.1(c) // 160.5(b)4C	Primary/Skylit Daylighting 130.1(d) / 160.5(b)4D	Secondary Daylighting 130.1(d) / 160.5(b)4D	Interlocked Systems 140.6(a)1/ 170.2(e)2A	Field Inspector Pass	Fail
					13				
					Plan Sheet Showing Daylit Zones:				

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Each area complying using the Complete Building or Area Category Methods per 140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per 140.6(c) or adjustments per 140.6(a) are being used .

Unconditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment Area Category	PAF
BLDG C ZONE	Commercial Industrial Warehouse	0.4	600	240	No	No
		TOTALS:	600	240	See Tables J, or P for detail	

J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 5 of 7)**
		Date Prepared:	3/25/2024

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED DECORATIVE /SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ONE-FOR-ONE ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 6 of 7)**
		Date Prepared:	3/25/2024

T. DWELLING UNIT LIGHTING

This section does not apply to this project.

U. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selections have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTI-E - Must be submitted for all buildings

V. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selections have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Whole Building Time Switch;
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.	Whole Building Demand Response;

STATE OF CALIFORNIA

Indoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTI-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 7 of 7)**
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/25/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas
RCE 30927
Expires March 31 2026

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-25
Address:	License:
City/State/Zip:	Phone:

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-LTO-E**

This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.

Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 1 of 7)**
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/25/2024

A. GENERAL INFORMATION

01	Project Location (city)	TEMECULA	04	Total Illuminated Hardscape Area (ft²)	0
02	Climate Zone	10			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☒ LZ-2: Moderate - Urban Clusters	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☐ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				

- Warehouse

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No	
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 2 of 7)**
		Date Prepared:	3/25/2024

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
0	+	---	+	---	+	---	+	90	OR	---	=	90	≥	90	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															Not applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 3 of 7)**
		Date Prepared:	3/25/2024

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)1[4]	Field Inspector Pass	Fail
Outdoor Sconce	Sconce Lite E	☐ Linear	16	Mfr. Spec	1	New	☐	16	NA: < 6200 lumens	☐	☐
Outdoor Wall Pack	Wall Pack Lite F	☐ Linear	37	Mfr. Spec	2	New	☐	74	NA: < 6200 lumens	☐	☐
							Total Design Watts:	90			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1]*FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*

[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*

[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*

[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 4 of 7)**
		Date Prepared:	3/25/2024

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector Pass	Fail

[1]*FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*

[2]*Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*

[3]*Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance. *Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.*	01				
		"Use it or lose it" Allowance (select all that apply) (select all that apply)			
	☐ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☒ Per Specific Area Table M

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 5 of 7)**
		Date Prepared:	3/25/2024

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowance per specific area from Table 140.7-B /Table 170.2-S. More than one specific area allowance may be taken in a single project, if applicable. However, multiple specific area allowances may not be taken for the exact same area on the site.

01	02	03	04	05	06	07	08	09	10
		CALCULATED ALLOWANCE (Watts)			**DESIGN WATTS**				
Area Description	Specific Area Type per Table 140.7-B	Specific Area (ft²)[1]	Allowed Density (W/ft²)	Extra Allowance (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
Bldg C Wall Pack	BuildingFacade	800	0.1	80	Outdoor Wall Pack	37	2	74	74
							Total Design Watts for this Area:	74	
Bldg C Sconce	BuildingFacade	200	0.1	20	Outdoor Sconce	16	1	16	16
							Total Design Watts for this Area:	16	
								Total Allowance (Watts) All Areas:	90

[1] *FOOTNOTES: See Table 140.7-B /Table 170.2-S for rules for calculating the specific areas (ft² for these additional lighting allowances.*

[2] *For luminaires indicated in Table F as linear, wattage in column 07 is W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 08 instead of number of luminaires.*

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 6 of 7)**
		Date Prepared:	3/25/2024

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

STATE OF CALIFORNIA

Outdoor Lighting

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			**NRCC-LTO-E**
Project Name:	Building C Haven Winery Storage	**Report Page:**	**(Page 7 of 7)**
Project Address:	41625 Camino De Vino	**Date Prepared:**	3/25/2024

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: NORM THOMAS	Documentation Author Signature:
Company: T&K Engineering	Signature Date:
Address: 30535 AVENIDA BUENA SUERTE	CEA/ HERS Certification Identification (if applicable): RCE 30927
City/State/Zip: TEMECULA CA 92591	Phone: TKENERGY@YAHOO.COM

Norman L. Thomas
RCE 30927
Expires March 31 2026

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Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed: 2024-03-25
Address:	License:
City/State/Zip:	Phone:

STUDIO ONE

TITLE-24 BUILDING C ENERGY CALCULATIONS

HAVEN VINEYARD - NO. 240015

41699 CAMINO DE VINO TEMECULA CA, 92592

DESIGNER: STUDIO ONE

JOB NO.	***S1|441.00***

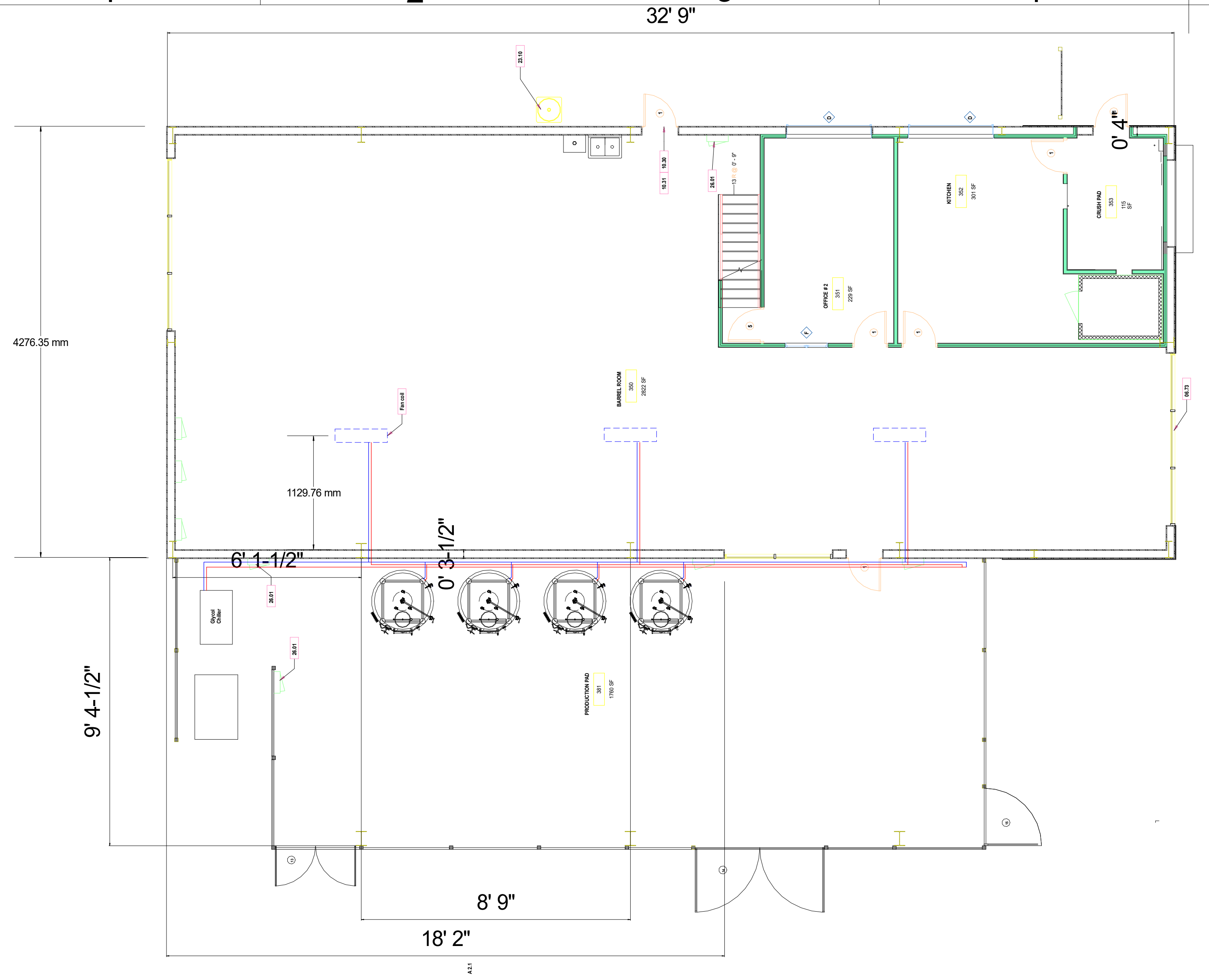
REVISIONS

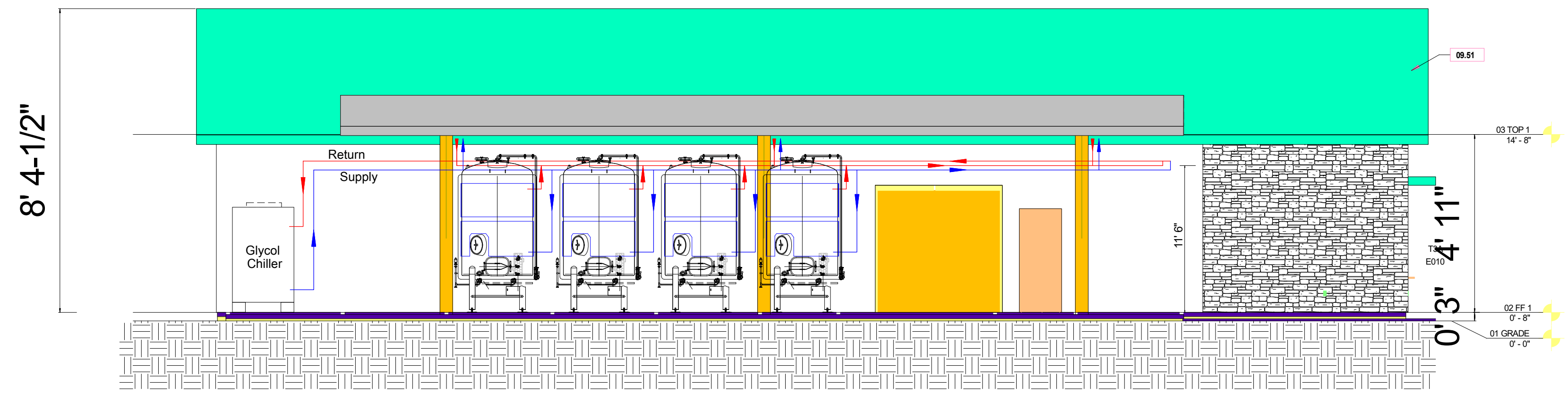
NO.	DESCRIPTION	DATE

T1.4

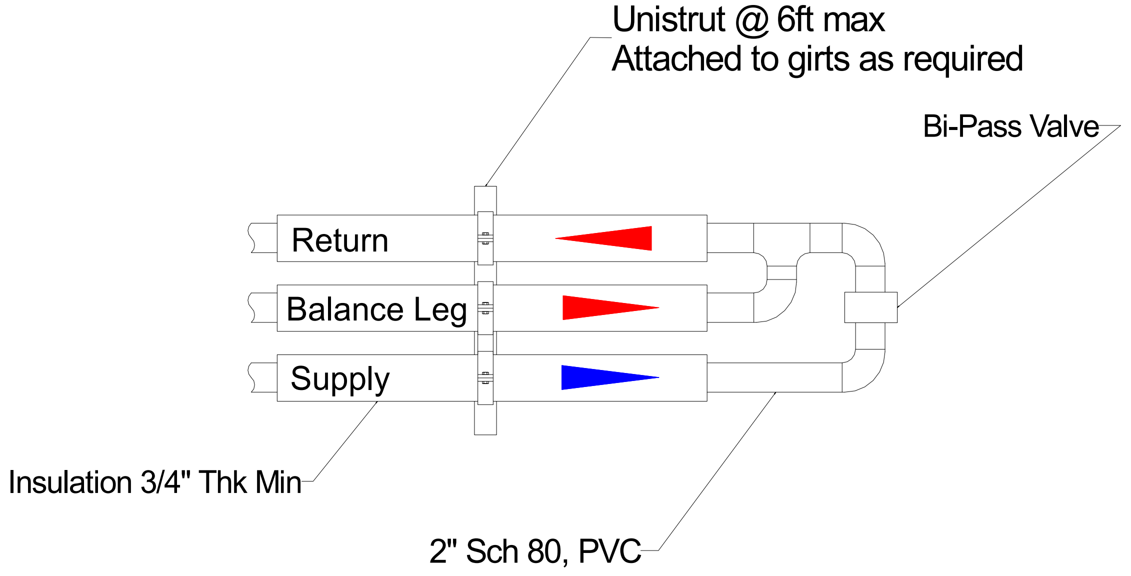
3/4/2025 7:36:12 AM

THIS DOCUMENT IS AN INSTRUMENT OF PROFESSIONAL SERVICE OF STUDIO ONE, INC. STUDIO ONE, INC. SHALL TO THE FULLEST EXTENT PERMITTED BY LAW, BE HELD HARMLESS AND RELEASED FROM ANY DAMAGE, LIABILITY, OR EXPENSE ARISING OR ALLEGEDLY ARISING FROM ANY UNAUTHORIZED MODIFICATION OR REUSE OF THIS DOCUMENT BY OTHERS. ALL DRAWINGS PRODUCED ARE PROPRIETARY PROPERTY OF STUDIO ONE, INC. AND CANNOT BE DUPLICATED OR REUSED WITHOUT THE WRITTEN CONSENT OF STUDIO ONE, INC. © 2025





Typical Glycol Piping Detail



Notes:
Individual tanks are to be connected
Via 3/4" flexable reinforced tubing
via Tru-Union Valves

IMPORTANT NOTICE to Ss Brewtech Clients
Ss Brewtech provides this drawing to assist customers in the design and preparation of their facility
Utilities, connections, are shown for reference only
Drawings may not be to scale and should not be used to scale dimensions not included on the drawing
All dimensions and specifications are subject to change without notice
It is the customer's responsibility to verify all local and federal building requirements related to this drawing and equipment

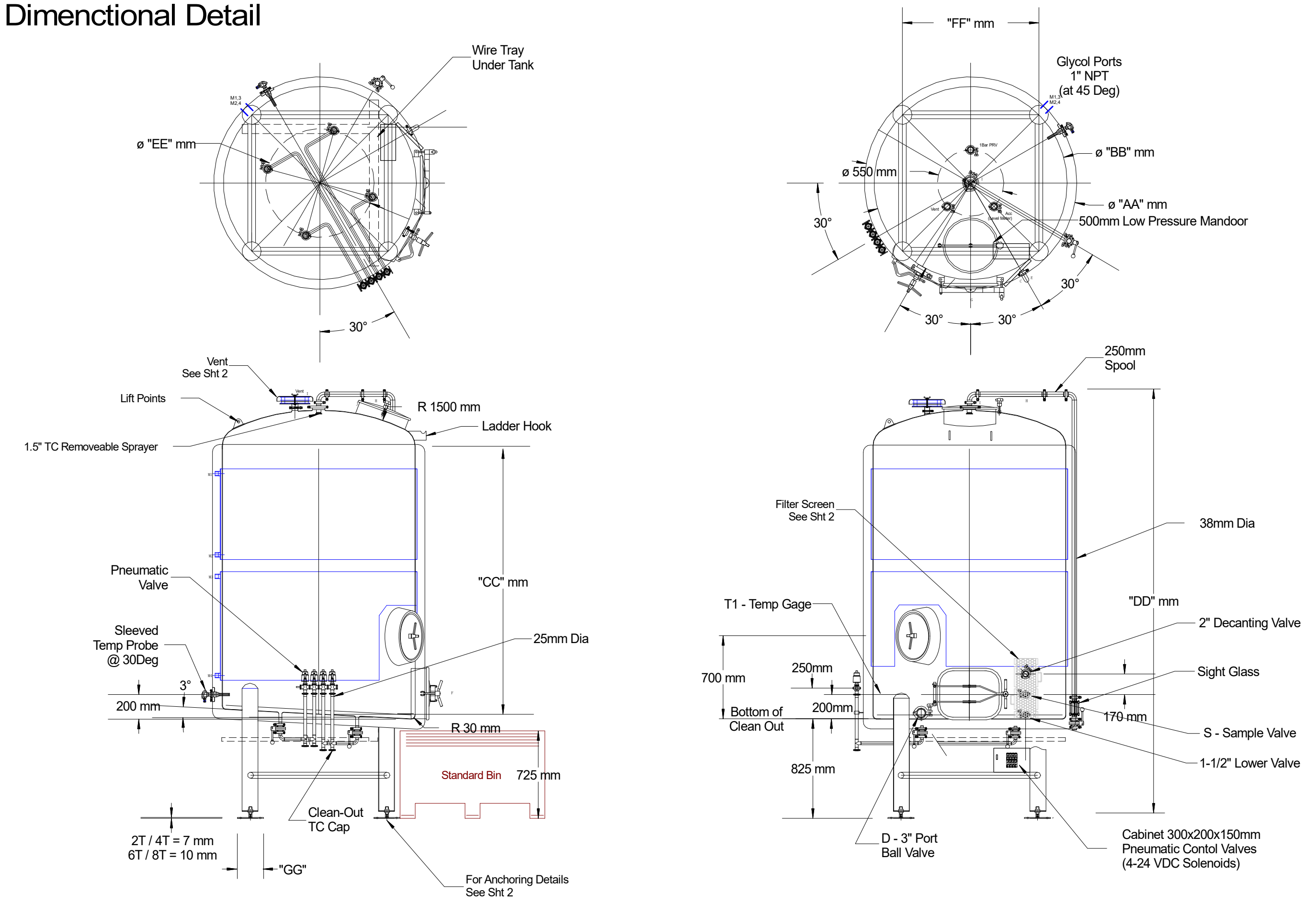
Itemref	Proprietary Design of Ss Brewing Technologies Inc.	Article No./Reference
Designed by CCK	Checked by CKucera 070124	Filename Ss Haven Glycol Plan

Ss Haven Vineyards
Glycol Piping Plan

Ss Brewing Technologies

Piping Details	REV A	Sheet GPP 1

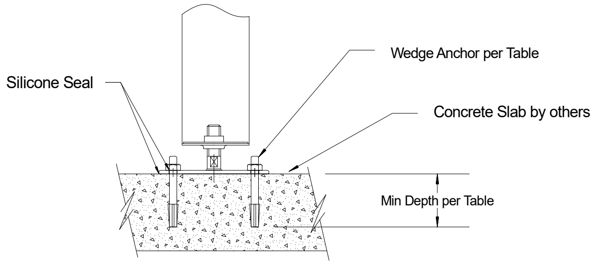
Tank Dimentional Detail



NTS

Anchor and Slab Requirements

Notes:
- Slab Minimum Requirements
  - Slab shall be made of 3500psi concrete minimum
  - Slab thickness shall be 4" minimum
- Anchoring
  - Tanks are required to be anchored in accordance with this document unless otherwise specified
  - Positon and level tank prior to installing wedge anchors
  - Seal feet to slab with silicone caulking prevent moisture under feet
  - Anchors shall be per Table as noted below
  - Wedge anchors shall be 304 stainless steel
  - Follow anchor manufacters recomendations for anchor installation

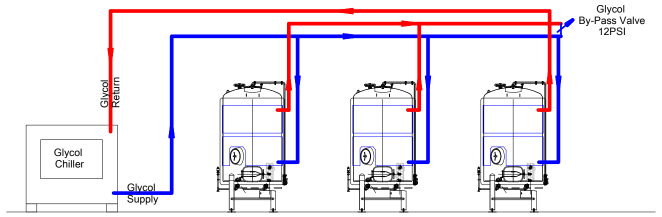


Wedge Anchor Bolts

Tank Size	Bolt Dia	Min Depth	Bolt Qty	Dead Load (PSI)	Full Live Load (PSI)
2 Ton	3/8"	1-1/2"	2	4.7	25.3
4 Ton	3/8"	1-1/2"	3	5.6	46.7
6 Ton	1/2"	2-1/2"	2	4.5	43.9
8 Ton	1/2"	2-1/2"	3	5.3	57.8

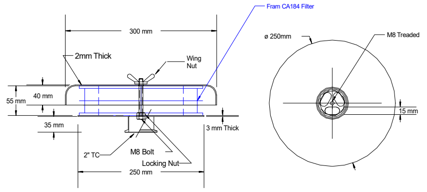
Glycol System Requirements

Notes:
- Glycol Operation
  - Glycol system is a Process System and shall be isolated from all other plumbing
  - Glycol system shall contain a 12PSI by-pass valve in a First-In/Last-Out Configuration as shown below
  - Glycol Chiller shall contain a pressure regulator to supply no more than 18PSI
  - Glycol jacket working pressure 30PSI maximum
  - Availalble Glycol shall be:
    - Flow rate shall be no less than 10gpm
    - Temperature shall be no greater than 28F



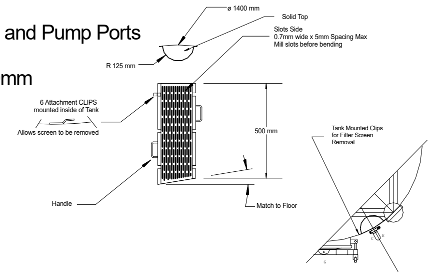
Ambient Vent Detail

Notes:
- Filters shall be changed annually
- Filter PN: Fram CA184 non-oiled or equivelent



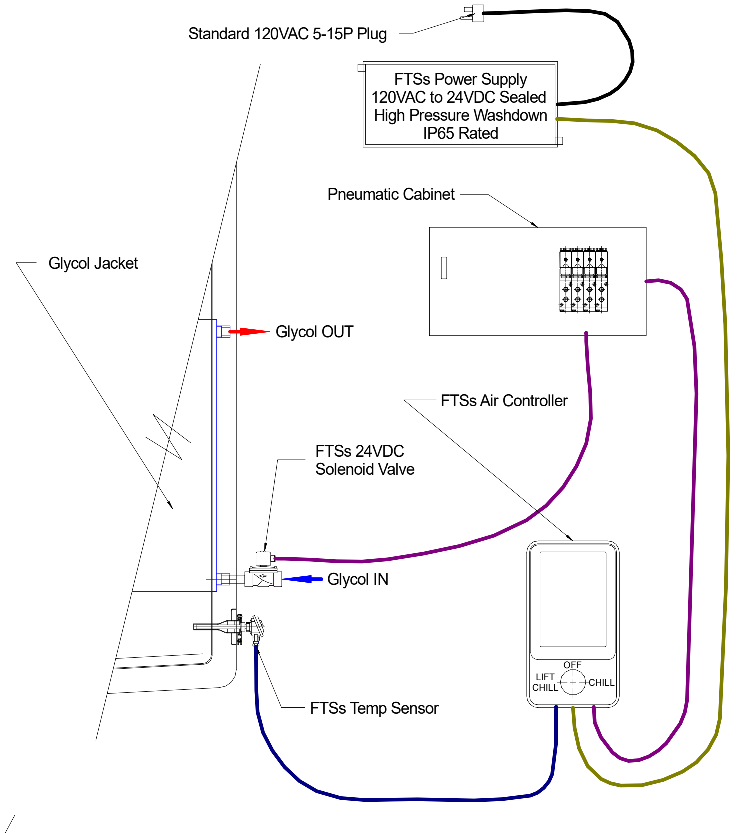
Filter Screen Detail

Notes:
- Screen covers Decanting, Sample and Pump Ports
- Mill Slots before Bending Screen
- Maximum gap on bottom to be 1.0mm



Low Voltage Control System Requirements

Notes:
- Electrical
  - Electrical control system shall be Ss Brewtech Pro-FTSs Air Controller 24VDC Low Voltage Controllers

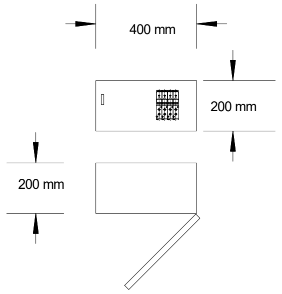


General Notes

Notes:
- Construction
  - Material shall be 304 Certified Stainless Steel
  - Tank thickness shall be 3mm
  - Glycol jacket thickness shall be 2mm
  - Glycol jacket cover shall be 2mm
  - Insulation shall be foam-in-place closed cell polyurethane
  - Interior finish shall be polished #2B
  - Exterior finish shall be brushed 2A
  - Welds shall be fully inert gas protected
  - Product contact welds shall be sanitary certified
- Pressure Testing
  - Tank shall be 48hr pressure tested at 28PSI minimim
  - Glycol jackets shall be 48hr pressure tested at 60PSI minimum
- Weights and Volumes
  - Per Table
- Operation
  - Working Pressure: 0Bar (0Psi) Max
  - Tanks are not designed or intended to be pressurized

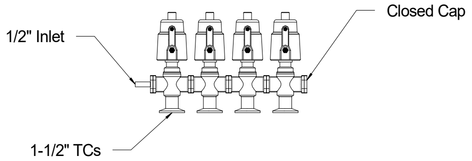
Pneumatic Cabinet Detail

Notes:
- Washdown rated at IP65
- 24VDC 3-Way Pneumatic Solinoids



Pneumatic Manifold Detail

Notes
- Valves shall be ESG 110 Series Pneumatic NC Valve with 50mm Actuator
- Weld TC Fittings as shown



Dimensions Table

Notes:
- Voluments and weights are estimated values which may vary with fruit/juice ratios

	Outer Dia	Inner Dia	Tank Height	Total Height	Air Lift Dia	Leg Spacing	Foot Dia	Volume (Gal)	Volume (Tons)	Empty Wt (Lbs)
Size	**AA**	**BB**	**CC**	**DD**	**EE**	**FF**	**GG**	**HH**	**JJ**	**KK**
2 Ton	1360	1200	2000	~3315	660	~1020	200	598	1.99	920
4 Ton	1760	1600	2200	~3565	880	~1130	200	1169	3.90	1100
6 Ton	2060	1900	2400	~3815	1045	~1345	250	1798	5.99	1370
8 Ton	2260	2100	2600	~4435	1155	~1485	250	2379	7.93	1600

IMPORTANT NOTICE to Ss Brewtech Clients
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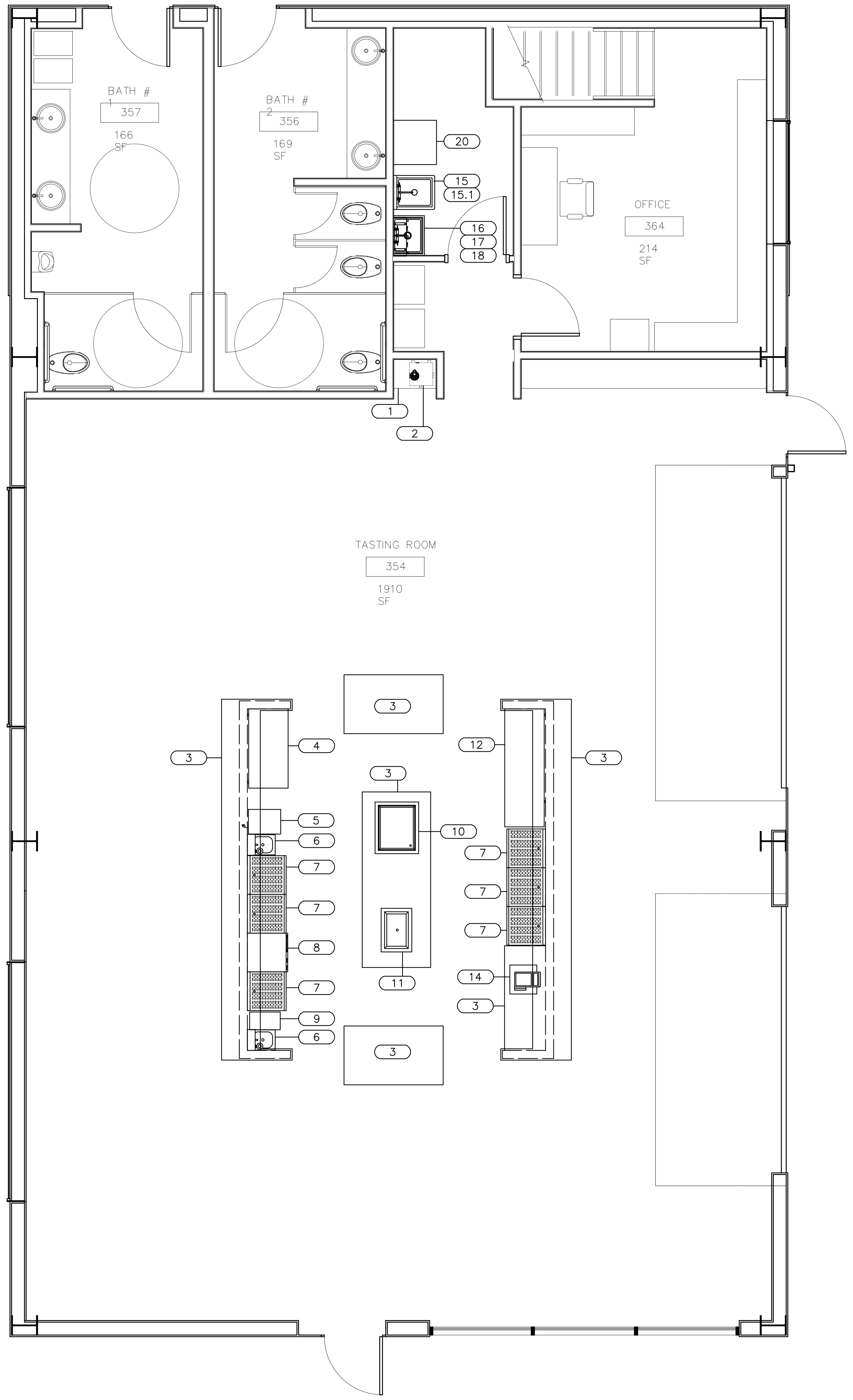
All dimensions and specifications are subject to change without notice
It is the customer's responsibility to verify all local and federal building requirements related to this drawing and equipment

Itemref	Proprietary Design of Ss Brewing Technologies Inc.	Article No./Reference
Designed by CCK	Checked by CKucera 081519	Filename Ss Wine Fermenter Airlift

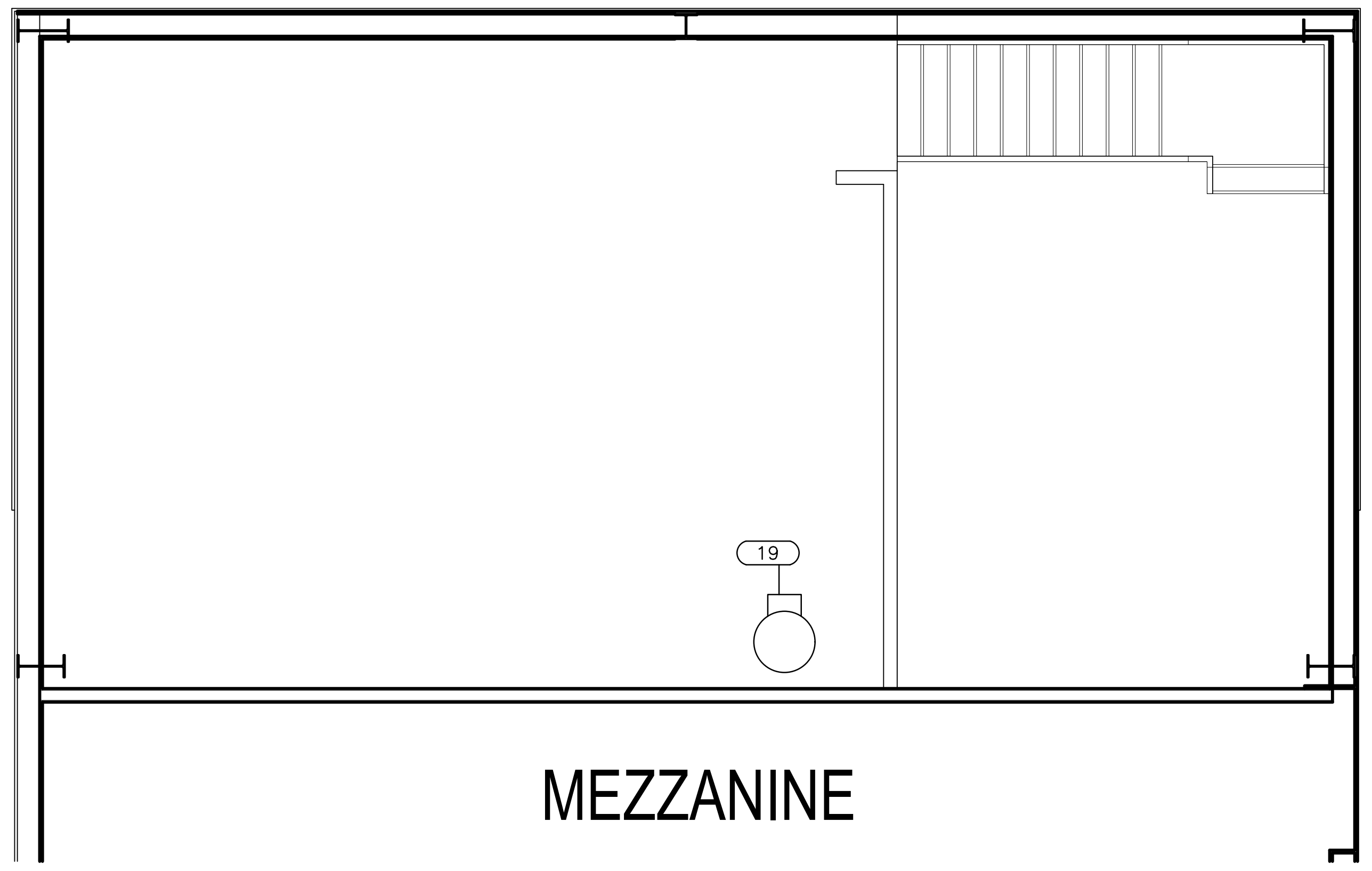
Ss Air-Lift Wine
Fermenter

Ss Brewing Technologies

Tank Details
REV J
Sheet GPP 2



GROUND FLOOR



MEZZANINE

BUILDING A FOODSERVICE EQUIPMENT PLAN

NOTE,

WALL & CEILING FINISHES IN WORK FOOD PREP. KITCHEN & STORAGE AREAS TO HAVE A REFLECTANCE VALUE OF 70% OR HIGHER

NOTE,
SUBMIT SAMPLE OF CEILING TILE TO ENVIRONMENTAL HEALTH PRIOR TO INSTALLATION

NOTE,
SUBMIT SAMPLE OF FLOOR COVERING TO ENVIRONMENTAL HEALTH PRIOR TO INSTALLATION

NOTE,
SUBMIT SAMPLE OF "SLIMFOOT" BASE TILE TO ENVIRONMENTAL HEALTH PRIOR TO INSTALLATION

BUILDING A WATER HEATER CALCULATIONS

(1) UTILITY SINK =	5 GPH
(1) MOP SINK =	15 GPH
(6) HAND SINKS =	30 GPH
(1) GLASS WASHER=	18 GPH

TOTAL = 68 GPH @ 60 DEGREE RISE

FINISH SCHEDULE

AREA	C'LING	WALLS	FLOOR	BASE
REST ROOMS	2	7	7	8
WET AREAS	2	3, 96" HIGH	9	10

1	T-BAR W/ LIGHT COLOR WASHABLE TILES
2	LIGHT COLOR SEMI-GLOSS PAINT OVER 5/8" TYPE X DRYWALL
3	"FRP" OVER 5\8" TYPE X DRYWALL
4	COMERCIAL GRADE SHEET VINYL W 3/8" R, 4" HIGH, SELF COVE
5	SEALED CONCRETE W/ USDA APP'D SEALANT
6	"SLIM FOOT" CERAMIC TILE W/ 3/8" R COVE
7	CERAMIC TILE
8	CERAMIC TILE W/ 3/8" R COVE
9	QUARRY TILE
10	QUARRY TILE W/ 3/8" R COVE
11	METAL
12	METAL W/ 3/8" R COVE
14	DECORATIVE, TO BE SELECTED
15	VCT

EQUIPMENT SCHEDULE

Item No	Qty	By	Equipment Category	Manufacturer	Model Number	Base	Volts	Amps	KW	HP	Phase	Direct	Plug	NEMA	Remarks	Cold Water Size (in)	Hot Water Size (in)	Direct Drain Size (in)	Indir Drain Size (in)	MBTUH	Gas Size (in)	Remarks
1	1	GC	Self Serve Water Station	Custom Millwork & Stone		Curb																
2	1	OW	Water Dispenser	Marco Friia	CS	Item 1	120				1		X		Verify w/ Supplier	0.75			1			Verify w/ Supplier
3	Lot	GC	Bar Cabinets	Millwork & Stone		Curb																
4	1	KEC	Back Bar Cooler	True Foodservice	TBB–24–48–HC	Casters	115	2.1	0.2	1/5	1		X	5–15P								Self Contained
5	1	KEC	Undercounter Ice Machine	Ice–O–Matic	UCG060A	6" Legs	115	5.1			1					0.5			0.75			
6	2	KEC	Hand Sink w/ Soap & Towel Disp.	Krowne	HS–32	Wall Mt										0.5	0.5	1.5				Backing By GC
7	6	KEC	Underbar Glass Rack	Krowne	KR24–GSB1	6" Legs													1			
8	1	KEC	Glasswasher, Undercounter	CMA Dishmachines	CMA–181GW	6" Legs	208	33.0	5.3		1	X					0.5		1			
9	1	KEC	Slim Jim Trash Can	Rubber Maid		Deck Mt																
10	1	KEC	Drop–In, Cold Well	Hatco	CWB–2	Item 3	120	6.7	0.8	0.2	1		X	5–15P								
11	1	KEC	Drop–In, Cold Well	Hatco	IWB–1	Item 3																
12	1	KEC	Back Bar Cooler	True Foodservice	TBB–24–72–HC	Casters	115	2.7	0.3	1/4	1		X	5–15P								Self Contained
14	Lot	OW	POS System	Verify		Item 3	120	15.0			1	X										
15	1	KEC	Sink, Utility,	John Boos & Co.	1B16204	Legs												2				
15.1	1	KEC	Faucet, Backsplash Mount	Fisher	13242	Item 15										0.5	0.5					
16	1	KEC	Sink, Mop	John Boos & Co.	PBMS2016–6	Deck Mt												2				
17	1	KEC	Faucet, Service Sink	Fisher	8253	Wall Mt										0.5	0.5					Backing By GC
18	1	KEC	Chemical Supply Shelf	John Boos & Co.	PB–MSS824	Wall Mt																Backing By GC
19	1	GC	50 Gal. Comm. Water Heater	AO Smith	DSE 30 12	Curb	208	34.2	12.0		3	X				0.75						Verify w/ Supplier
20	1	OW	Washer/Dryer	Verify		Adj. Feet									See Manuf. Specs							See Manuf. Specs

REVISIONS	BY

NEW RESTAURANT & TAPAS BAR
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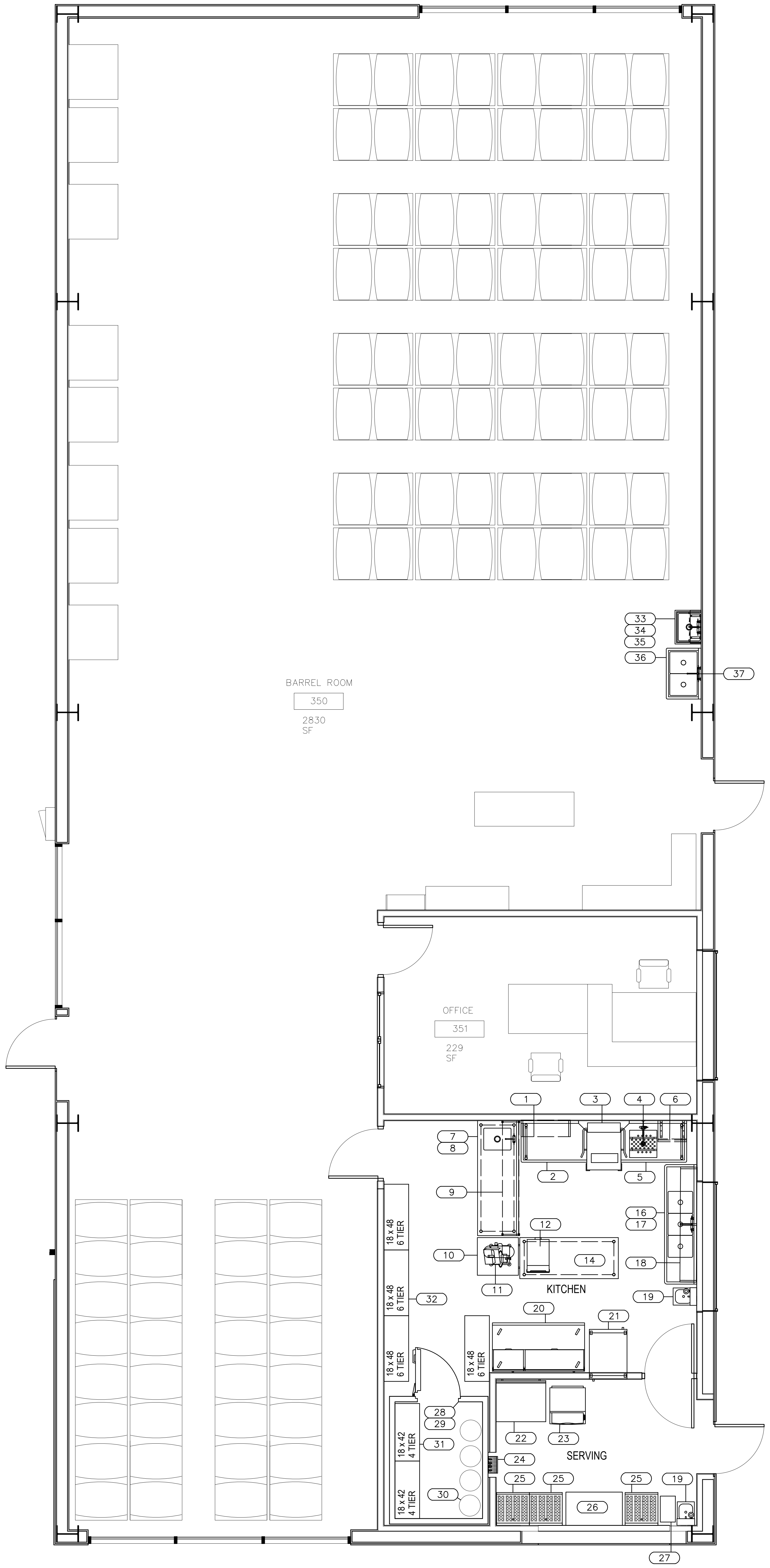
ECONOMY
RESTAURANT
EQUIPMENT & SUPPLY CO.

DATE	3-11-2024
SCALE	
DRAWN BY	MAO
JOB	22406
SHEET	K-2
OF 5 SHEETS	

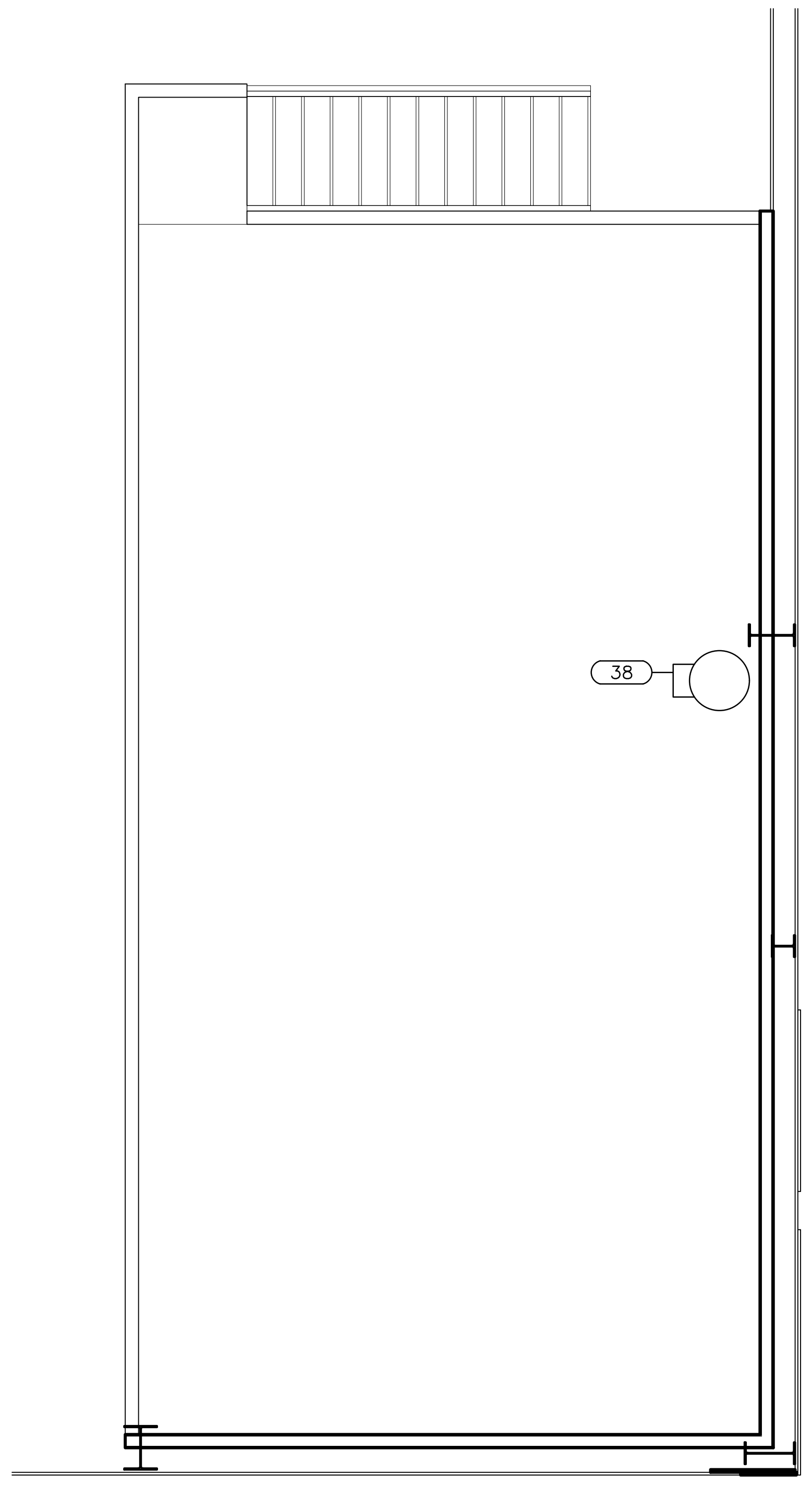
BUILDING B
FOODSERVICE EQUIPMENT PLAN

EQUIPMENT SCHEDULE

Item No	Qty	By	Equipment Category	Manufacturer	Model Number	Base	Volts	Amps	KW	HP	Phase	Direct	Plug	NEMA	Remarks	Cold Water Size (in)	Hot Water Size (in)	Direct Drain Size (in)	Indir Drain Size (in)	MBTUH	Gas Size (in)	Remarks
1	1	KEC	Shelf, Wall Mount	John Boos & Co.	BHS1236	Wall Mt																Backing By GC
2	1	KEC	Dishtable, Straight, Clean	John Boos & Co.	CDT6–S48SBK–L	Legs																
3	1	KEC	Warewasher, Door Type, Low Temp	CMA Dishmachines	EST–VENTLESS	6" Legs	208	25.0			3		X			0.5	0.5		2			
3		KEC	Continued				115	16.0			1		X									
4	1	KEC	Pre–Rinse Faucet, Deck Mount	Fisher	2010–WB	Item 5										0.5	0.5					
5	1	KEC	Dishtable, Straight, Soiled	John Boos & Co.	SDT4–S48SBK–R	Legs													2			
6	1	KEC	Shelf, Solid Sorting	John Boos & Co.	PB–SRW–21	Wall Mt																Backing By GC
7	1	KEC	Table, Prep w/ Sink	John Boos & Co.	EPT8R5–3084SSK–L	Legs													2			
8	1	KEC	Faucet, Deck Mount	Fisher	3510	Item 7										0.5	0.5					
9	1	KEC	Overshelf, Table Mount	John Boos & Co.	OSE16RK–1284	Item 7																
10	1	KEC	Freezer, Undercounter	True Foodservice	TUC–27F–HC	Casters	115	2.3	0.2	1/4	1		X	5–15P								Self Contained
11	1	KEC	Slicer, Food	Globe Food Equipment	G12	Item 11	115	6.0		0.5	1		X	5–15P								
12	1	KEC	Rapid Cook Series	TurboChef	ECO–9500–1	Item 14	208	20.0	3.6		1											
14	1	KEC	Table, Work, SS U'shelf	John Boos & Co.	ST6–3072SSK	Casters																
16	1	KEC	Sink, 3 comp, Utensil	John Boos & Co.	3PB1618–2D18	Legs													2			
17	1	KEC	Faucet, Backsplash Mount	Fisher	13242	Item 16										0.5	0.5					
18	1	KEC	Shelf, Wall Mount	John Boos & Co.	BHS1284	Wall Mt																Backing By GC
19	2	KEC	Sink, Hand, Wall Mount	Krowne	HS–32	Wall Mt										0.5	0.5	1.5				Backing By GC
20	1	KEC	Refrigerator, Pizza Prep	True Foodservice	TPP–AT–67–HC	Casters	115	3.9	0.2	1/4	1		X	5–15P								Self Contained
21	1	KEC	Refrigerator, Pass–Thru, Glass Door	True Foodservice	STA1RPT–1G–1G–HC	Casters	115	3.8	0.4	1/4	1		X	5–15P								Self Contained
22	1	KEC	Refrigerator, Worktop	True Foodservice	TWT–36–HC	Casters	115	4.7	0.6	0.2	1		X	5–15P								Self Contained
23	1	KEC	Ice Maker, Undercounter	Manitowoc Ice	UDF0240A–161	6" Legs	115	7.0		0.4	1		X	5–15P		0.375			0.5			
24	Lot	KEC	Beer Taps & Drip Tray	Custom		Item 29													1			
25	3	KEC	Underbar Glass Rack	Krowne	KR24–GSB1	6" Legs													1			
26	Lot	GC	Bar Cabinets	Millwork & Stone	Custom Millwork	Curb																
27	1	KEC	Slim Jim Trash Can	Rubber Maid		Deck Mt																
28	Lot	OW	Cooler Refrigeration System	Norlake		Item 29									Verify w/ Supplier							
29	Lot	OW	Walk In Cooler	Norlake		Deck Mt									Verify w/ Supplier							
30	4	KEC	Dolly, Keg	Channel Manufacturing	KDA17	Casters																
31	Lot	KEC	Cooler Shelving	Olympic		Posts																
32	Lot	KEC	16 Lin. Ft. 6 Tier Storage Shelving	Olympic		Posts																
33	1	KEC	Sink, Mop	John Boos & Co.	PBMS2016–6	Deck Mt												2				
34	1	KEC	Faucet, Service Sink	Fisher	8253	Wall Mt										0.5	0.5					Backing By GC
35	1	K1	Sink, Mop Accessory	John Boos & Co.	PB–MSS824	Wall Mt																Backing By GC
36	1	KEC	Sink, Utility, 2 comp	John Boos & Co.	E2S8–1620–12	Legs													2			
37	1	KEC	Faucet, Backsplash Mount	Fisher	13242	Item 36										0.5	0.5					
38	1	GC	50 Gal. Comm. Water Heater	AO Smith	DRE 52 24	Curb	208	66.6	24.0		3	X				1.25						Verify w/ Supplier



GROUND FLOOR



MEZZANINE

NOTE,
WALL & CEILING FINISHES IN WORK FOOD PREP. KITCHEN & STORAGE AREAS TO HAVE A REFLECTANCE VALUE OF 70% OR HIGHER

NOTE,
SUBMIT SAMPLE OF CEILING TILE TO ENVIRONMENTAL HEALTH PRIOR TO INSTALLATION

NOTE,
SUBMIT SAMPLE OF FLOOR COVERING TO ENVIRONMENTAL HEALTH PRIOR TO INSTALLATION

NOTE,
SUBMIT SAMPLE OF "SLIMFOOT" BASE TILE TO ENVIRONMENTAL HEALTH PRIOR TO INSTALLATION

FINISH SCHEDULE

AREA	C'LING	WALLS	FLOOR	BASE
KITCHEN	1	2	9	10
SERVING	1	2	9	10
WET AREAS	1	3, 96" HIGH	9	10

1	T-BAR W/ LIGHT COLOR WASHABLE TILES
2	LIGHT COLOR SEMI-GLOSS PAINT OVER 5/8" TYPE X DRYWALL
3	"FRP" OVER 5/8" TYPE X DRYWALL
4	COMERCIAL GRADE SHEET VINYL W 3/8" R, 4" HIGH, SELF COVE
5	SEALED CONCRETE W/ USDA APP'D SEALANT
6	"SLIM FOOT" CERAMIC TILE W/ 3/8" R COVE
7	CERAMIC TILE
8	CERAMIC TILE W/ 3/8" R COVE
9	QUARRY TILE
10	QUARRY TILE W/ 3/8" R COVE
11	METAL
12	METAL W/ 3/8" R COVE
14	DECORATIVE, TO BE SELECTED
15	VCT

BUILDING B
WATER HEATER
CALCULATIONS

(1) 3 COMP. SINK =	42 GPH
(1) PREP SINK=	5 GPH
(1) MOP SINK =	15 GPH
(2) HAND SINKS =	10 GPH
(1) DISH WASHER=	33 GPH
(1) PRE-RINSE SINK=	45 GPH

TOTAL = 150 GPH @ 60 DEGREE RISE

REVISIONS	BY
10-10-2024	MAO

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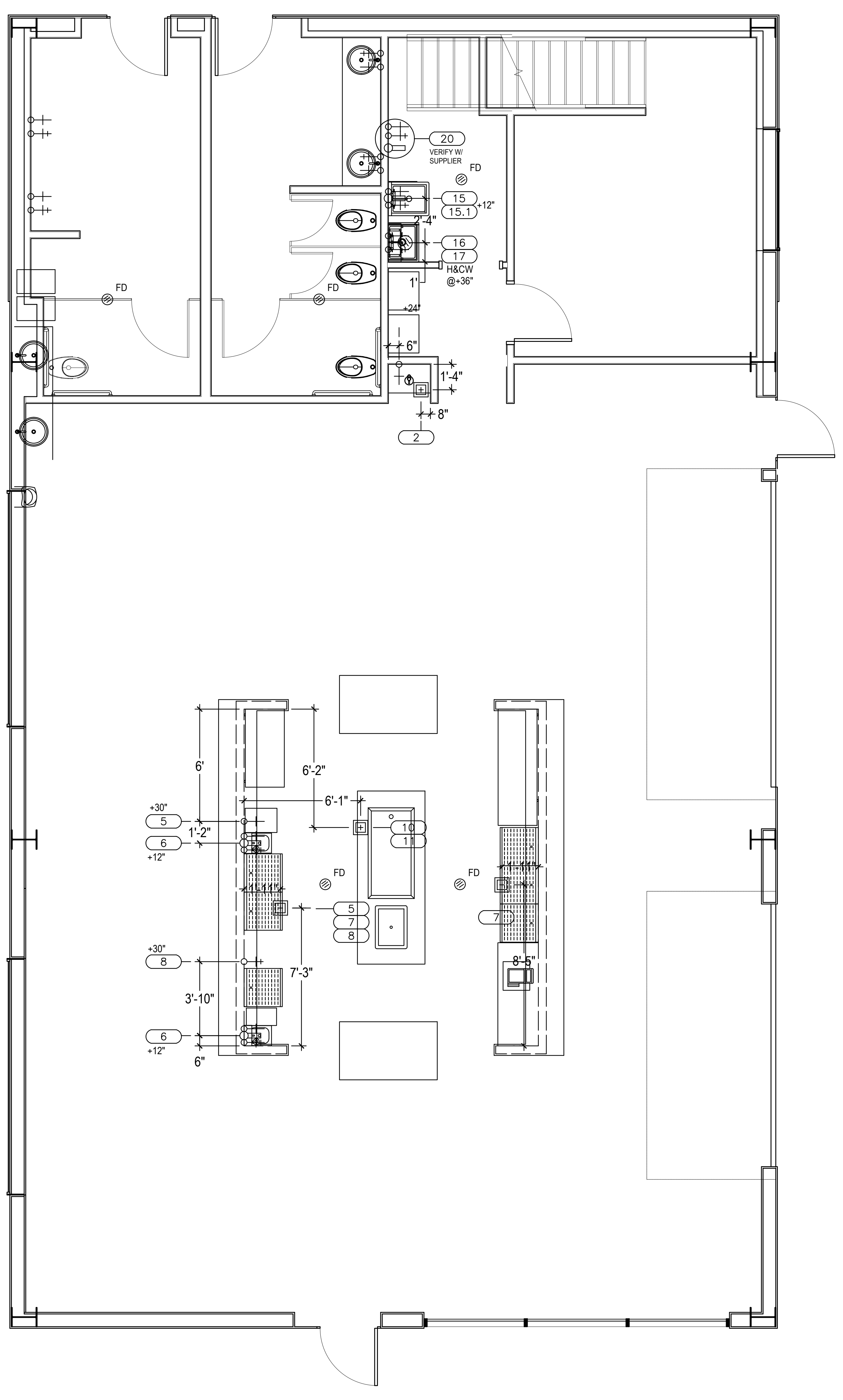
ECONOMY
RESTAURANT
EQUIPMENT & SUPPLY CO.

DATE 3-11-2024
SCALE
DRAWN BY MAO
JOB 22406
SHEET
K-3
OF 5 SHEETS



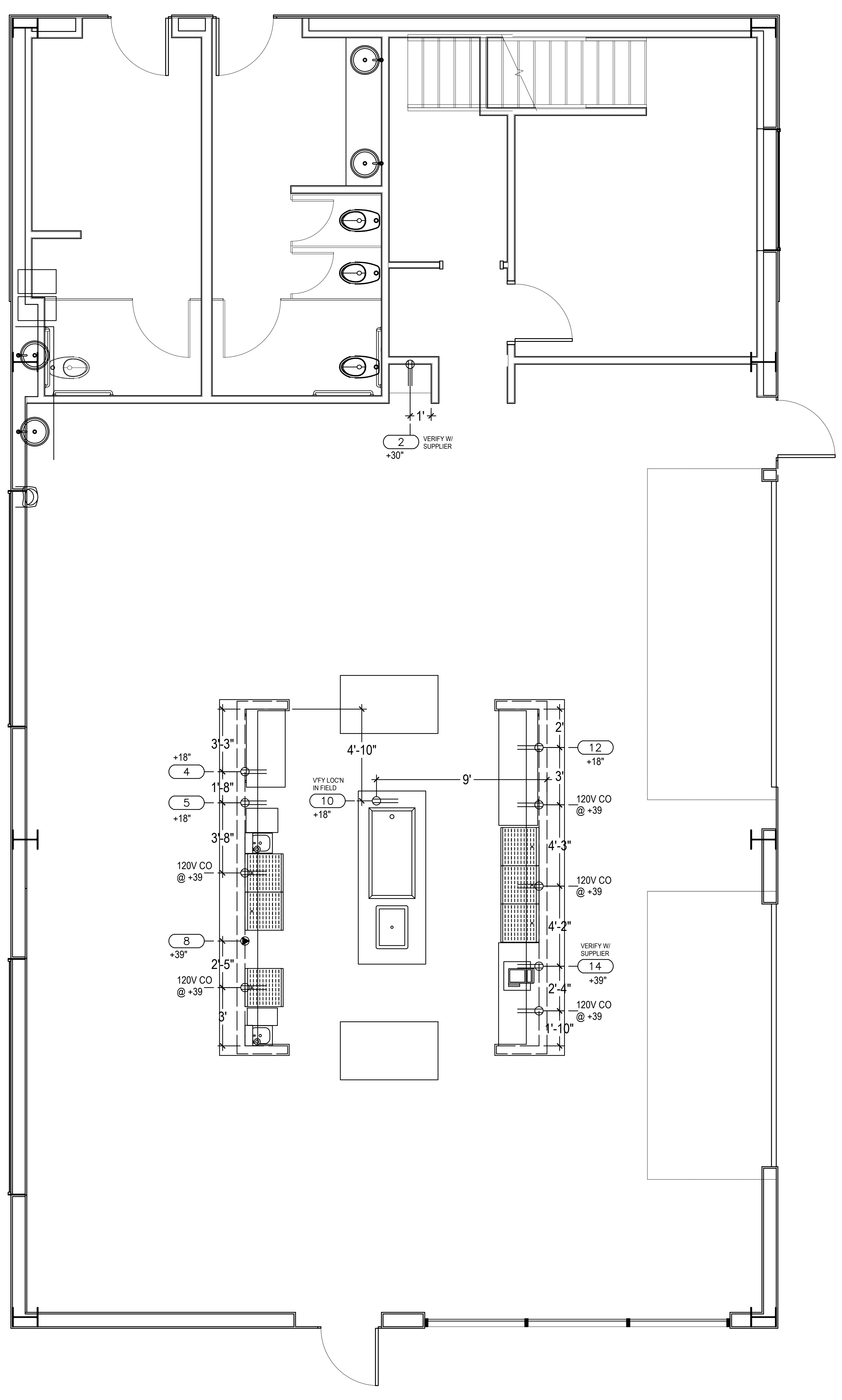
PLUMBING ROUGH-IN PLAN

PLUMBING SYMBOLS

○—+	HOT WATER
○—+	COLD WATER
○▭	DIRECT WASTE
◐▭	GAS
▨	FLOOR DRAIN
□	FLOOR SINK

PLUMBING NOTES

1. UTILITY CONNECTIONS SHOWN ON THESE PLANS ARE FOR FOODSERVICE EQUIPMENT ONLY. REFER TO OWNER, ARCHITECT AND OR GENERAL CONTRACTOR FOR FURTHER REQUIREMENTS.
2. PLUMBING CONTRACTOR SHALL REFER TO SANITATION NOTES AND ALL OTHER NOTES ON THESE DRAWINGS AND IS RESPONSIBLE TO PERFORM HIS WORK IN ACCORD WITH ALL GOVERNING CODES & REGULATIONS.
3. PLUMBING CONTRACTOR TO FURNISH & INSTALL ALL INDIRECT WASTE LINES INCLUDING CONDENSATE LINES FROM REFRIGERATION EQUIPMENT, ICE MACHINES, ICE BINS, WALK-INS,ETC..
4. PLUMBING CONTACTOR MUST OBTAIN ALL NECESSARY PERMITS FOR HIS WORK.
5. PLUMBING CONTRACTOR TO MAKE ALL ROUGH-INS & FINAL CONNECTIONS AND TO FURNISH & INSTALL ALL PIPING, TEES, ELBOWS, TRAPS, SHUT OFF VALVES, REGULATORS, FILTERS, ETC. AS REQUIRED TO MAKE A COMPLETE INSTALLATION.
6. ROUGH IN DIMENSIONS SHOWN ON THIS PLAN ARE FROM FACE OF FINISH WALL TO CENTER LINE OF OUTLET AND HEIGHTS ARE ABOVE FINISH FLOOR TO CENTER LINE OF OUTLET.
7. PLUMBING CONTRACTOR MUST SEAL [WATER TIGHT AND VERMIM PROOF] ALL WALL, CEILING AND FLOOR PENETRATIONS RESULTING FROM HIS WORK.
8. PLUMBING CONTRACTOR TO FURNISH & INSTALL SHUT OFF VALVES ON ALL GAS AND WATER LINES SO AS TO BE EASILY ACCESSIBLE.
9. PLUMBING CONTRACTOR TO INSULATE ALL CONDENSATE DRAINS AND FROM ICE BINS & MACHINES IN ORDER TO PREVENT CONDENSATION BUILD UP ON THESE LINES.
10. PLUMBING CONTRACTOR TO INSTALL GAS SHUT OFF VALVES PROVIDED BY THE FIRE EQUIPMENT CONTRACTOR.
11. PLUMBING CONTRACTOR TO FURNISH & INSTALL PRESSURE REGULATORS AT WARE WASHING MACHINES AND GAS EQUIPMENT AS REQUIRED.
12. PLUMBING CONTRACTOR TO FURNISH & INSTALL SHUT OFF VALVES ON STEAM TABLES, SALAD BAR AND ICE PAN DRAINS AS REQUIRED.
13. PLUMBING CONTRACTOR TO FURNISH & INSTALL ROUGH-INS AND FINAL CONNECTIONS FOR MAKE UP AIR UNITS INCLUDING DRAIN LINE TO ROOF DRAIN.
14. FLOOR TO BE SLOPED 1/4" PER 24" RADIUS TO FLOOR DRAINS
15. WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER VIA LEGAL AIR GAP.



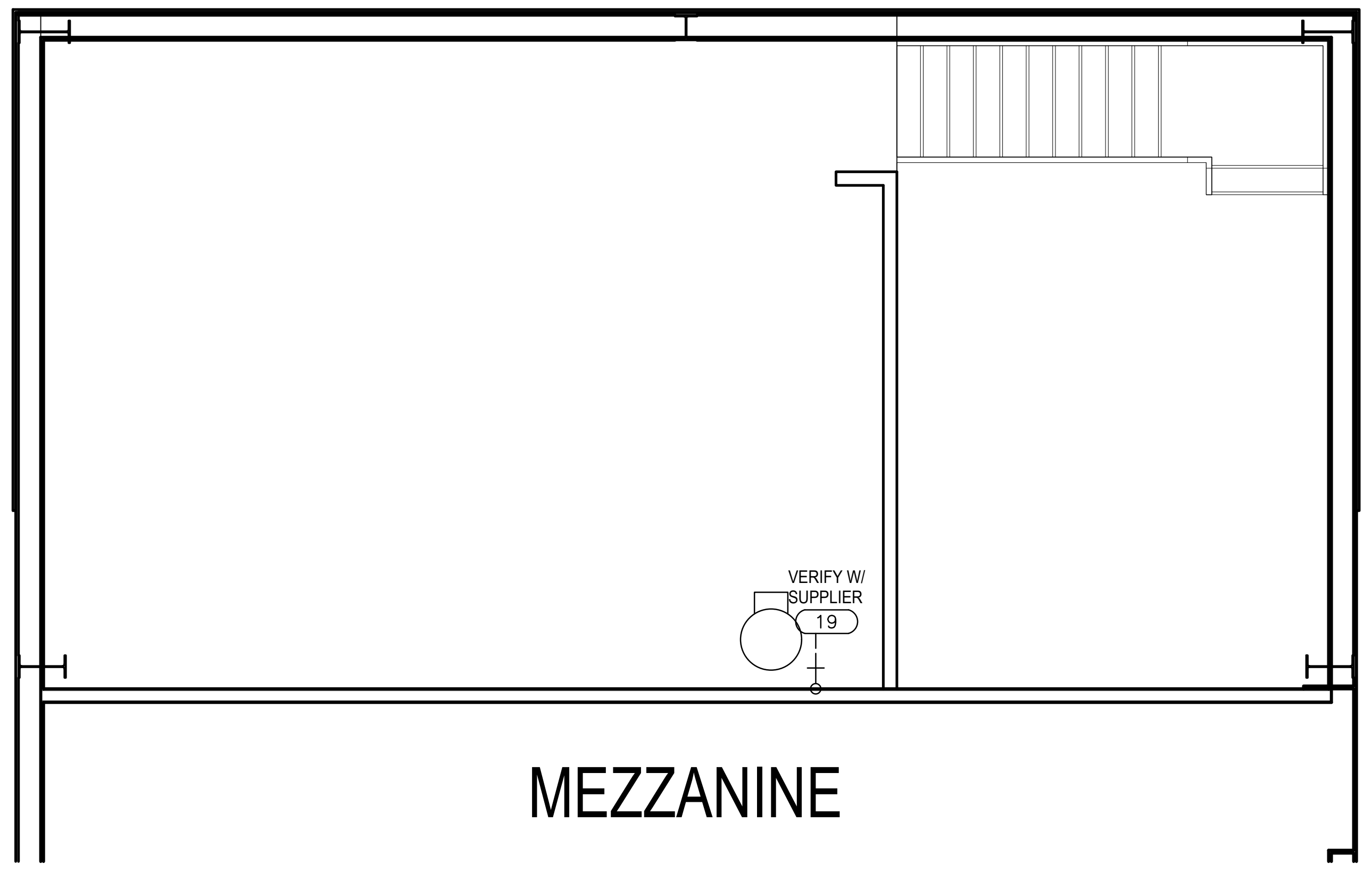
ELECTRICAL ROUGH-IN PLAN

ELECTRICAL SYMBOLS

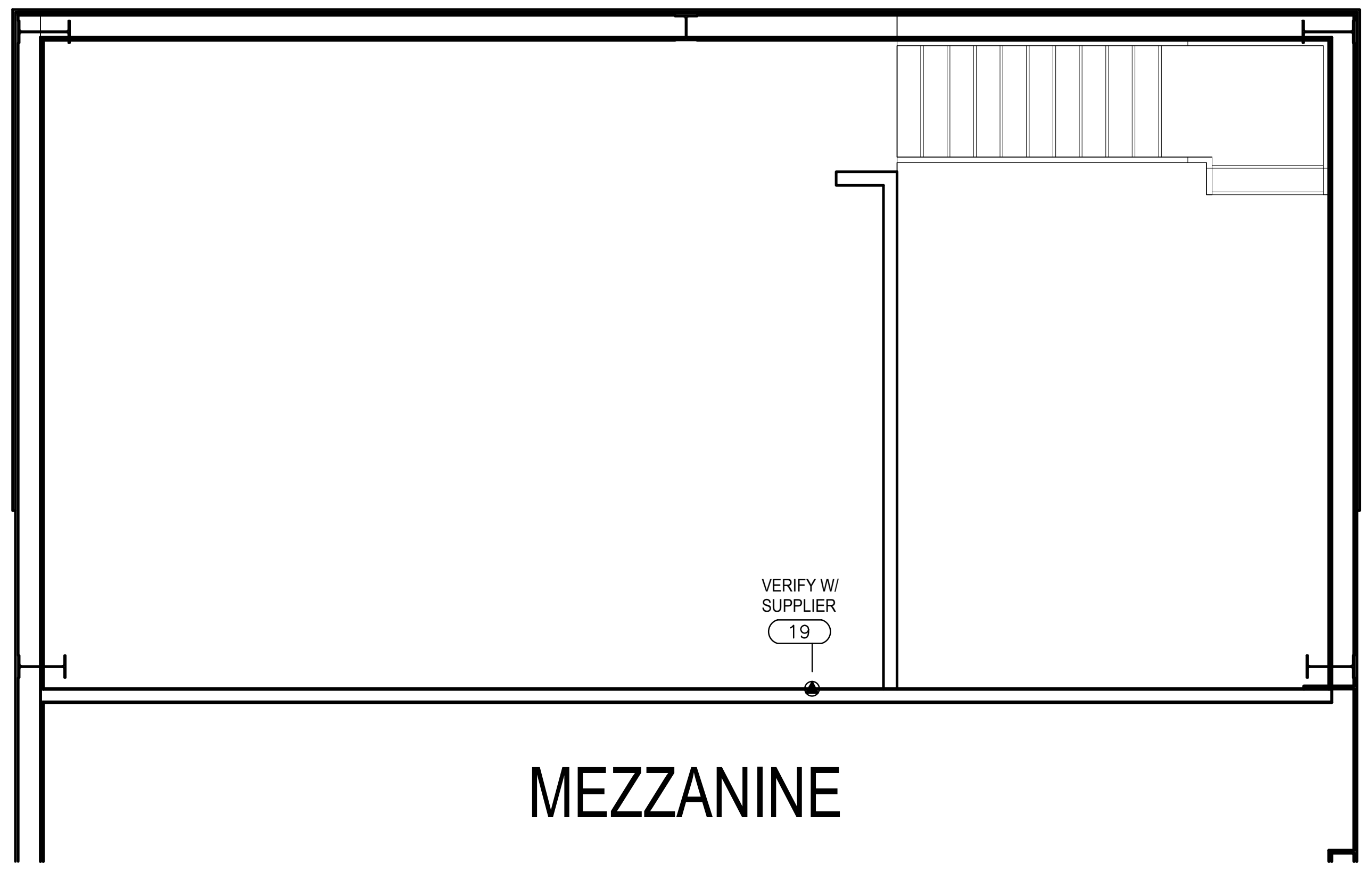
⊖	120 V OUTLET
∅	208/240 V OUTLET
⊖	120 V DIRECT CONN.
▶	208/240 V DIR. CONN.
●	120/208/240 V DIR. CONN.
✧	LIGHT FIXTURE
Ⓕ	FIRE PULL BOX
$	SWITCH

ELECTRICAL NOTES

1. UTILITY CONNECTIONS SHOWN ON THESE PLANS ARE FOR FOODSERVICE EQUIPMENT ONLY. REFER TO OWNER, ARCHITECT AND OR GENERAL CONTACTOR FOR FURTHER REQUIREMENTS.
2. ELECTRICAL CONTRACTOR SHALL REFER TO SANITATION NOTES AND ALL OTHER NOTES ON THE DRAWINGS AND IS RESPONSIBLE TO PERFORM HIS WORK IN ACCORD WITH ALL GOVERNING CODES & REGULATIONS.
3. ELECTRICAL CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FOR HIS WORK.
4. ELECTRICAL CONTRACTOR TO MAKE ALL ROUGH-INS AND FINAL CONNECTIONS AND TO FURNISH & INSTALL CONDUIT, WIRE, BREAKERS, SWITCHES, ETC. AS REQUIRED TO MAKE A COMPLETE INSTALLTION.
5. ROUGH IN DIMENSIONS SHOWN ON THIS PLAN ARE FROM FACE OF FINISH WALL TO CENTER OF OUTLET AND HEIGHTS ARE ABOVE FINISH FLOOR TO CENTER LINE OF OUTLET.
6. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL WIRE & CONDUIT AS REQUIRED FOR CONTROL CIRCUITS ON WALK-IN FREEZERS.
7. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ALL WIRE & CONDUIT AS REQUIRED FOR THE FIRE SUPRESSION SYSTEM FUEL SHUT OFF VALVE, ALARM SYSTEM TIE INS AND ALSO TO PROVIDE SHUNT TRIP BREAKERS AS REQUIRED TO SHUT DOWN ELECTRICAL EQUIPMENT UNDER THE EXHAUST HOOD.
8. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ALL JUNCTION BOXES, OUTLET BOXES & PULL BOXES AS REQUIRED BY THESE PLANS.
9. ELECTRICAL CONTRACTOR TO VERIFY INCOMING SERVICE AND NOTIFY ECONOMY OF ANY DISCREPACIES BETWEEN THESE PLANS AND FIELD CONDITIONS OR LOCAL CODE REQUIREMENTS.
10. ELECTRICAL CONTRACTOR TO EXTEND CONDUIT STUB OUTS 6'-0" FOR FINAL CONNECTION UNLESS OTHERWISE SPECIFIED.
11. ELECTRICAL CONTRACTOR MUST SEAL [WATER TIGHT & VERMIN PROOF] ALL WALL, CEILING AND FLOOR PENETRATIONS RESULTING FROM HIS WORK.
12. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL STAINLESS STEEL COVER PLATES IN FOODSERVICE AREAS.
13. ELECTRICAL CONTRACTOR TO SHORTEN OR LENGTHEN AND FURNISH POWER CORDS AS REQUIRED.
14. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL WATER TIGHT FLEX CONDUIT IN ALL WET AREAS.
15. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL WIRE & CONDUIT FOR LIGHTS, SWITCHES, RELIEF PORT HEATERS, DOOR HEATERS AND TO INSTALL LIGHTS PROVIDED BY THE EXHAUST HOOD OR WALK-IN MANUFACTURERS.
16. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL CONDUIT FOR BEVERAGE OR REFRIGERATION LINES AS REQUIRED.
17. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ROUGH-INS & FINAL CONNECTIONS TO ALL EXHUAST, MAKE UP AIR AND REFRIGERATION SYSTEMS ON ROOF COMPLETE WITH ALL DISCONNECTS AS REQUIRED BY CODE.
18. ELECTRICAL CONTRACTOR TO SEAL ALL CONDUITS ENTERING OR LEAVING THE WALK-IN COOLER OR FREEZER



MEZZANINE



MEZZANINE

REVISIONS	BY

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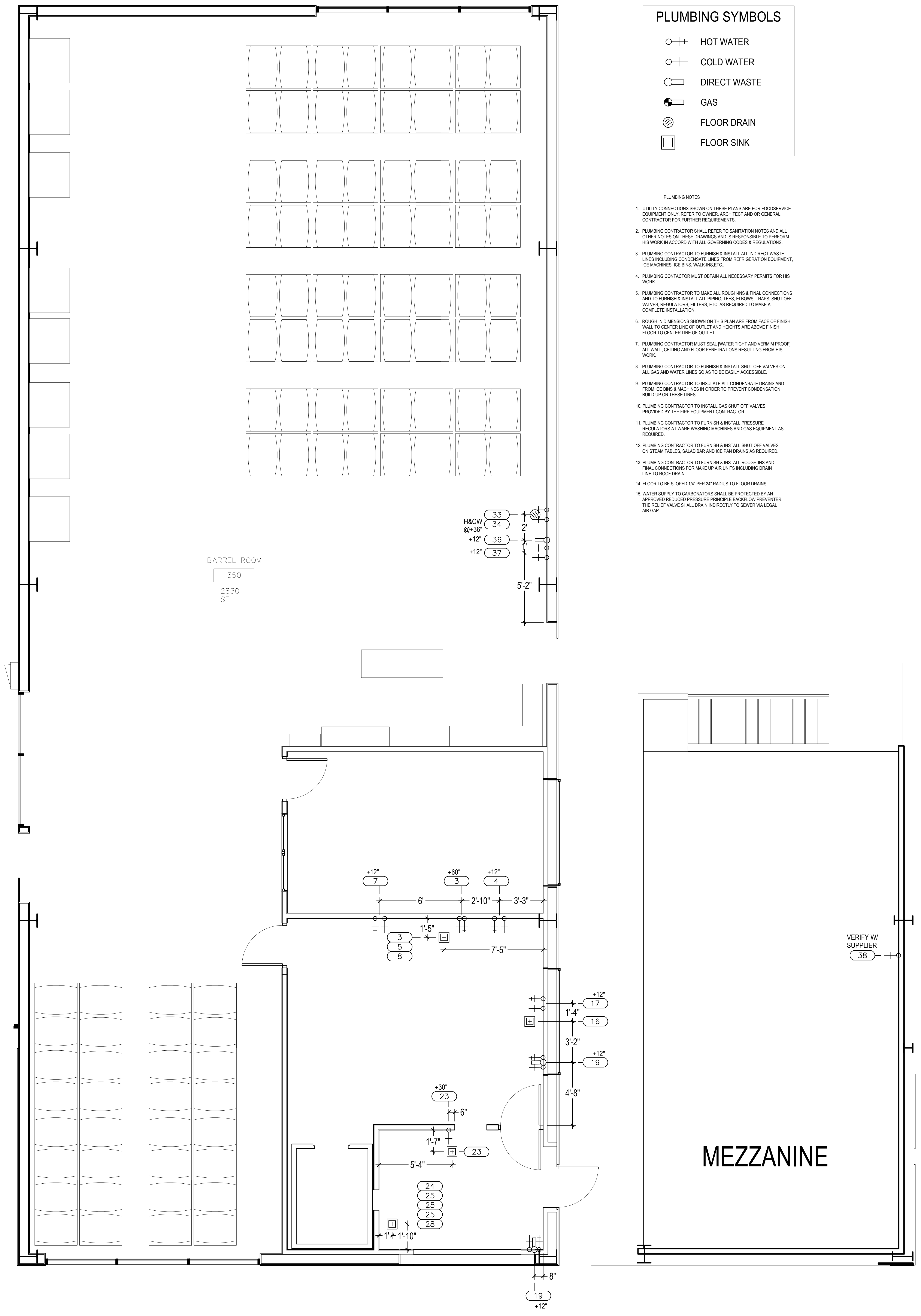
ECONOMY
RESTAURANT
EQUIPMENT & SUPPLY CO.

DATE	3-11-2024
SCALE	
DRAWN BY	MAO
JOB	22406
SHEET	K-4
OF	5 SHEETS



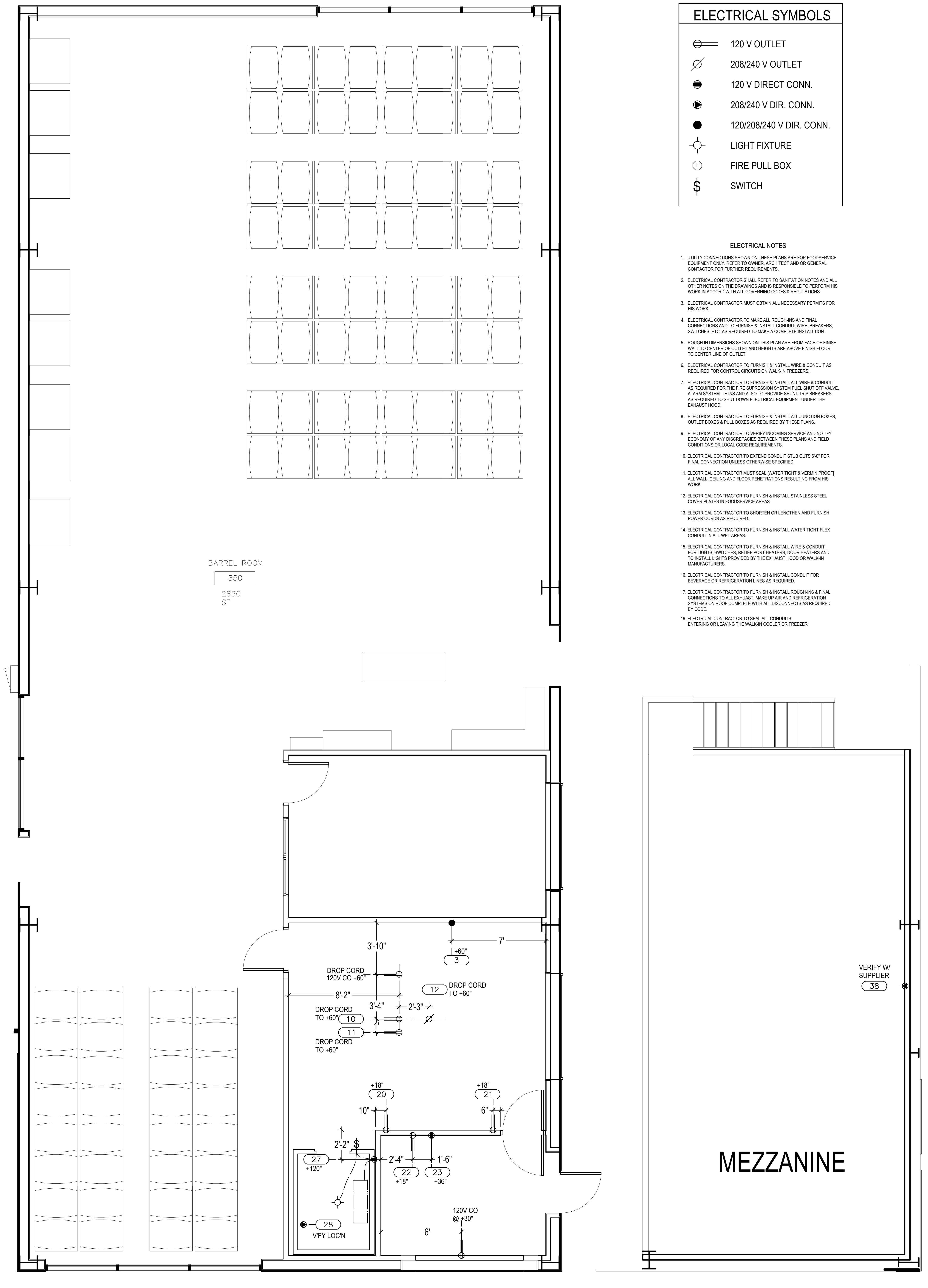
PLUMBING ROUGH-IN PLAN

PLUMBING SYMBOLS

○┼┼	HOT WATER
○┼	COLD WATER
○▭	DIRECT WASTE
◐▭	GAS
⊘	FLOOR DRAIN
▣	FLOOR SINK

PLUMBING NOTES

1. UTILITY CONNECTIONS SHOWN ON THESE PLANS ARE FOR FOODSERVICE EQUIPMENT ONLY. REFER TO OWNER, ARCHITECT AND OR GENERAL CONTRACTOR FOR FURTHER REQUIREMENTS.
2. PLUMBING CONTRACTOR SHALL REFER TO SANITATION NOTES AND ALL OTHER NOTES ON THESE DRAWINGS AND IS RESPONSIBLE TO PERFORM HIS WORK IN ACCORD WITH ALL GOVERNING CODES & REGULATIONS.
3. PLUMBING CONTRACTOR TO FURNISH & INSTALL ALL INDIRECT WASTE LINES INCLUDING CONDENSATE LINES FROM REFRIGERATION EQUIPMENT, ICE MACHINES, ICE BINS, WALK-INS,ETC..
4. PLUMBING CONTACTOR MUST OBTAIN ALL NECESSARY PERMITS FOR HIS WORK.
5. PLUMBING CONTRACTOR TO MAKE ALL ROUGH-INS & FINAL CONNECTIONS AND TO FURNISH & INSTALL ALL PIPING, TEES, ELBOWS, TRAPS, SHUT OFF VALVES, REGULATORS, FILTERS, ETC. AS REQUIRED TO MAKE A COMPLETE INSTALLATION.
6. ROUGH IN DIMENSIONS SHOWN ON THIS PLAN ARE FROM FACE OF FINISH WALL TO CENTER LINE OF OUTLET AND HEIGHTS ARE ABOVE FINISH FLOOR TO CENTER LINE OF OUTLET.
7. PLUMBING CONTRACTOR MUST SEAL [WATER TIGHT AND VERMIM PROOF] ALL WALL, CEILING AND FLOOR PENETRATIONS RESULTING FROM HIS WORK.
8. PLUMBING CONTRACTOR TO FURNISH & INSTALL SHUT OFF VALVES ON ALL GAS AND WATER LINES SO AS TO BE EASILY ACCESSIBLE.
9. PLUMBING CONTRACTOR TO INSULATE ALL CONDENSATE DRAINS AND FROM ICE BINS & MACHINES IN ORDER TO PREVENT CONDENSATION BUILD UP ON THESE LINES.
10. PLUMBING CONTRACTOR TO INSTALL GAS SHUT OFF VALVES PROVIDED BY THE FIRE EQUIPMENT CONTRACTOR.
11. PLUMBING CONTRACTOR TO FURNISH & INSTALL PRESSURE REGULATORS AT WARE WASHING MACHINES AND GAS EQUIPMENT AS REQUIRED.
12. PLUMBING CONTRACTOR TO FURNISH & INSTALL SHUT OFF VALVES ON STEAM TABLES, SALAD BAR AND ICE PAN DRAINS AS REQUIRED.
13. PLUMBING CONTRACTOR TO FURNISH & INSTALL ROUGH-INS AND FINAL CONNECTIONS FOR MAKE UP AIR UNITS INCLUDING DRAIN LINE TO ROOF DRAIN.
14. FLOOR TO BE SLOPED 1/4" PER 24" RADIUS TO FLOOR DRAINS
15. WATER SUPPLY TO CARBONATORS SHALL BE PROTECTED BY AN APPROVED REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER. THE RELIEF VALVE SHALL DRAIN INDIRECTLY TO SEWER VIA LEGAL AIR GAP.



ELECTRICAL ROUGH-IN PLAN

ELECTRICAL SYMBOLS

⊖	120 V OUTLET
∅	208/240 V OUTLET
⊖	120 V DIRECT CONN.
◐	208/240 V DIR. CONN.
●	120/208/240 V DIR. CONN.
⊕	LIGHT FIXTURE
Ⓕ	FIRE PULL BOX
$	SWITCH

ELECTRICAL NOTES

1. UTILITY CONNECTIONS SHOWN ON THESE PLANS ARE FOR FOODSERVICE EQUIPMENT ONLY. REFER TO OWNER, ARCHITECT AND OR GENERAL CONTACTOR FOR FURTHER REQUIREMENTS.
2. ELECTRICAL CONTRACTOR SHALL REFER TO SANITATION NOTES AND ALL OTHER NOTES ON THE DRAWINGS AND IS RESPONSIBLE TO PERFORM HIS WORK IN ACCORD WITH ALL GOVERNING CODES & REGULATIONS.
3. ELECTRICAL CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FOR HIS WORK.
4. ELECTRICAL CONTRACTOR TO MAKE ALL ROUGH-INS AND FINAL CONNECTIONS AND TO FURNISH & INSTALL CONDUIT, WIRE, BREAKERS, SWITCHES, ETC. AS REQUIRED TO MAKE A COMPLETE INSTALLTION.
5. ROUGH IN DIMENSIONS SHOWN ON THIS PLAN ARE FROM FACE OF FINISH WALL TO CENTER OF OUTLET AND HEIGHTS ARE ABOVE FINISH FLOOR TO CENTER LINE OF OUTLET.
6. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL WIRE & CONDUIT AS REQUIRED FOR CONTROL CIRCUITS ON WALK-IN FREEZERS.
7. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ALL WIRE & CONDUIT AS REQUIRED FOR THE FIRE SUPRESSION SYSTEM FUEL SHUT OFF VALVE, ALARM SYSTEM TIE INS AND ALSO TO PROVIDE SHUNT TRIP BREAKERS AS REQUIRED TO SHUT DOWN ELECTRICAL EQUIPMENT UNDER THE EXHAUST HOOD.
8. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ALL JUNCTION BOXES, OUTLET BOXES & PULL BOXES AS REQUIRED BY THESE PLANS.
9. ELECTRICAL CONTRACTOR TO VERIFY INCOMING SERVICE AND NOTIFY ECONOMY OF ANY DISCREPACIES BETWEEN THESE PLANS AND FIELD CONDITIONS OR LOCAL CODE REQUIREMENTS.
10. ELECTRICAL CONTRACTOR TO EXTEND CONDUIT STUB OUTS 6'-0" FOR FINAL CONNECTION UNLESS OTHERWISE SPECIFIED.
11. ELECTRICAL CONTRACTOR MUST SEAL [WATER TIGHT & VERMIN PROOF] ALL WALL, CEILING AND FLOOR PENETRATIONS RESULTING FROM HIS WORK.
12. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL STAINLESS STEEL COVER PLATES IN FOODSERVICE AREAS.
13. ELECTRICAL CONTRACTOR TO SHORTEN OR LENGTHEN AND FURNISH POWER CORDS AS REQUIRED.
14. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL WATER TIGHT FLEX CONDUIT IN ALL WET AREAS.
15. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL WIRE & CONDUIT FOR LIGHTS, SWITCHES, RELIEF PORT HEATERS, DOOR HEATERS AND TO INSTALL LIGHTS PROVIDED BY THE EXHAUST HOOD OR WALK-IN MANUFACTURERS.
16. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL CONDUIT FOR BEVERAGE OR REFRIGERATION LINES AS REQUIRED.
17. ELECTRICAL CONTRACTOR TO FURNISH & INSTALL ROUGH-INS & FINAL CONNECTIONS TO ALL EXHUAST, MAKE UP AIR AND REFRIGERATION SYSTEMS ON ROOF COMPLETE WITH ALL DISCONNECTS AS REQUIRED BY CODE.
18. ELECTRICAL CONTRACTOR TO SEAL ALL CONDUITS ENTERING OR LEAVING THE WALK-IN COOLER OR FREEZER

REVISIONS	BY

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ECONOMY
RESTAURANT
EQUIPMENT & SUPPLY CO.

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