SITE DATA:

APN: 081-320-030
LOT SIZE: 25,253 SF (0.580 AC)
ZONING: PAD/CD
OCCUPANCY GROUP:
TYPE OF CONSTRUCTION: TYPE 1

PRE:
PLN:
BLD:

APPLICABLE CODES:

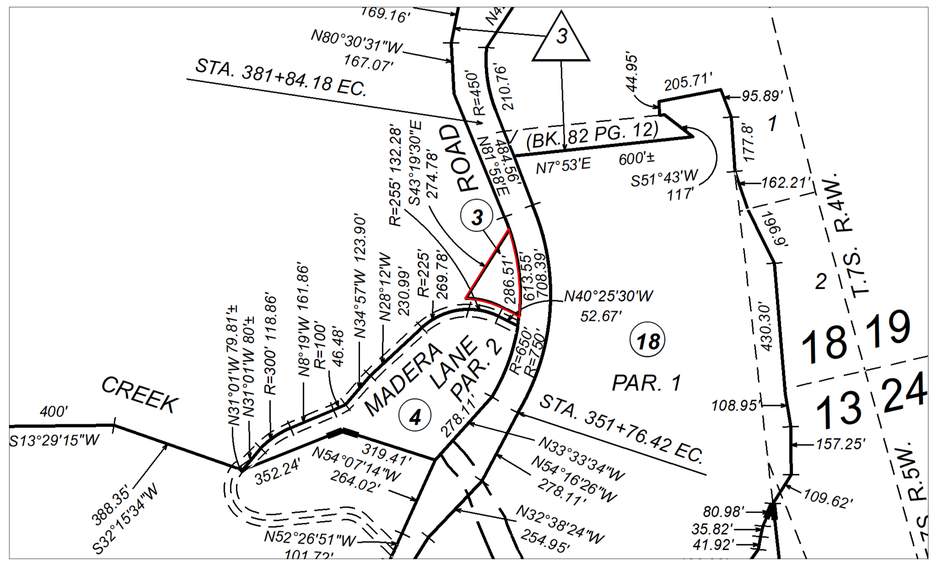
SAN MATEO COUNTY ZONING & BUILDING ORDINANCES

2019 CALIFORNIA RESIDENTIAL CODE
2019 CALIFORNIA BUILDING CODE
2019 CALIFORNIA MECHANICAL CODE
2019 CALIFORNIA PLUMBING CODE
2019 CALIFORNIA ELECTRICAL CODE
2019 CALIFORNIA ENERGY CODE
2019 CALIFORNIA FIRE CODE
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

Sheet List - CD

Sheet Number	Sheet Name	Rev
A100	Cover Sheet	
A101	BMP	
CE1	Survey	
A102	Site Plan	
C1	Drainage Plan	
A103	Floor & Roof Plan	
A104	Elevations	
A105	Electrical Plan	





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REVISIONS

PREMIER DRAFTING
116 N Cabrillo Hwy Half Moon Bay - (650)-454-6393

Owner Information
Erik Markegard
(650)245-4557
erik@markegardfamily.com

350 Madera Ln
San Gregorio

Cover Sheet

Drawn by	JM
Designed By:	Colton Palmer
Date	9/30/24
Sheet:	A100
Scale	

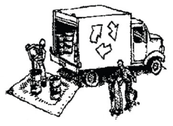
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SAN MATEO COUNTYWIDE
Water Pollution Prevention Program
Clean Water. Healthy Community.

Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- ❑ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ❑ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ❑ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ❑ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ❑ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ☒ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ☒ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ☒ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ☒ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ☒ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ☒ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ☒ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ☒ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control



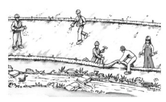
Maintenance and Parking

- ❑ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ❑ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❑ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ❑ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ❑ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- ☒ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ❑ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ☒ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ☒ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- ☒ Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ❑ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❑ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving



- ☒ Schedule grading and excavation work during dry weather.
- ☒ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ☒ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- ☒ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ❑ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ❑ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
  - Unusual soil conditions, discoloration, or odor.
  - Abandoned underground tanks.
  - Abandoned wells
  - Buried barrels, debris, or trash.

Paving/Asphalt Work



- ☒ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ❑ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ☒ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ☒ Do not use water to wash down fresh asphalt concrete pavement.

Sawcutting & Asphalt/Concrete Removal

- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ❑ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application



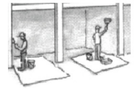
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ☒ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ❑ When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- ❑ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ❑ Stack bagged material on pallets and under cover.
- ☒ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

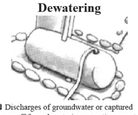
Painting & Paint Removal



Painting Cleanup and Removal

- ☒ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ☒ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ❑ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ❑ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ❑ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- ❑ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ❑ Divert run-on water from offsite away from all disturbed areas.
- ❑ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ❑ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to $10,000 per day!

SAN MATEO COUNTYWIDE
Water Pollution Prevention Program
Clean Water. Healthy Community.

Requirements for Architectural Copper

Protect water quality during installation, cleaning, treating, and washing!

Copper from Buildings May Harm Aquatic Life

Copper can harm aquatic life in San Francisco Bay. Water that comes into contact with architectural copper may contribute to impacts, especially during installation, cleaning, treating, or washing. Patination solutions that are used to obtain the desired shade of green or brown typically contain acids. After treatment, when the copper is rinsed to remove these acids, the rinse water is a source of pollutants. Municipalities prohibit discharges to the storm drain of water used in the installation, cleaning, treating and washing of architectural copper.



Building with copper flashing, gutter and drainpipe.

Use Best Management Practices (BMPs)

The following Best Management Practices (BMPs) must be implemented to prevent prohibited discharges to storm drains.

During Installation

- If possible, purchase copper materials that have been pre-patinated at the factory.
- If patination is done on-site, implement one or more of the following BMPs:
  - Discharge the rinse water to landscaping. Ensure that the rinse water does not flow to the street or storm drain. Block off storm drain inlet if needed.
  - Collect rinse water in a tank and pump to the sanitary sewer. Contact your local sanitary sewer agency before discharging to the sanitary sewer.
  - Collect the rinse water in a tank and haul off-site for proper disposal.
- Consider coating the copper materials with an impervious coating that prevents further corrosion and runoff. This will also maintain the desired color for a longer time, requiring less maintenance.



Storm drain inlet is blocked to prevent prohibited discharge. The water must be pumped and disposed of properly.

During Maintenance

Implement the following BMPs during routine maintenance activities, such as power washing the roof, re-patination or re-application of impervious coating:

- Block storm drain inlets as needed to prevent runoff from entering storm drains.
- Discharge the wash water to landscaping or to the sanitary sewer (with permission from the local sanitary sewer agency). If this is not an option, haul the wash water off-site for proper disposal.

Protect the Bay/Ocean and yourself!

If you are responsible for a discharge to the storm drain of non-stormwater generated by installing, cleaning, treating or washing copper architectural features, you are in violation of the municipal stormwater ordinance and may be subject to a fine.



Photo credit: Don Edwards National Wildlife Sanctuary

Contact Information

The San Mateo Countywide Water Pollution Prevention Program lists municipal stormwater contacts at www.flowstobay.org (click on "Business", then "New Development", then "local permitting agency").

FINAL February 29, 2012

REVISIONS

PREMIER DRAFTING
116 N Cabrillo Hwy Half Moon Bay · (650)-454-6393

Owner Information
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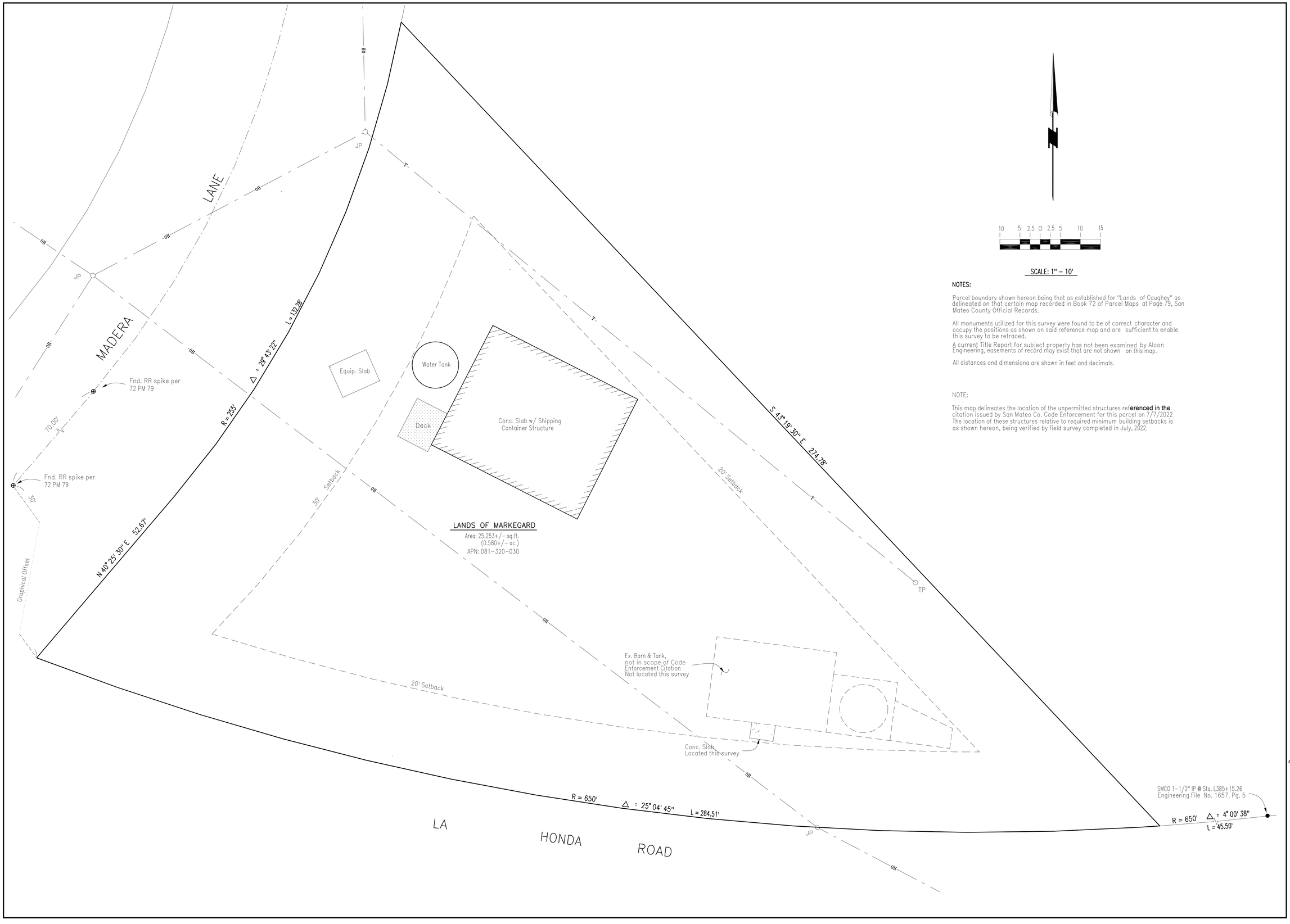
350 Madera Ln
San Gregorio

BMP

Drawn by CJP
Designed By: Colton Palmer
Date 9/30/24
Sheet: A101
Scale

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SCALE: 1" = 10'

NOTES:

Parcel boundary shown hereon being that as established for "Lands of Caughey" as delineated on that certain map recorded in Book 72 of Parcel Maps at Page 79, San Mateo County Official Records.

All monuments utilized for this survey were found to be of correct character and occupy the positions as shown on said reference map and are sufficient to enable this survey to be retraced.

A current Title Report for subject property has not been examined by Alcon Engineering, easements of record may exist that are not shown on this map.

All distances and dimensions are shown in feet and decimals.

NOTE:

This map delineates the location of the unpermitted structures referenced in the citation issued by San Mateo Co. Code Enforcement for this parcel on 7/7/2022 The location of these structures relative to required minimum building setbacks is as shown hereon, being verified by field survey completed in July, 2022.

REVISIONS	
1	
2	
3	
4	
5	
6	

Alcon Engineering
2285 La Loma Dr. Los Altos 94022
(650) 308-3228

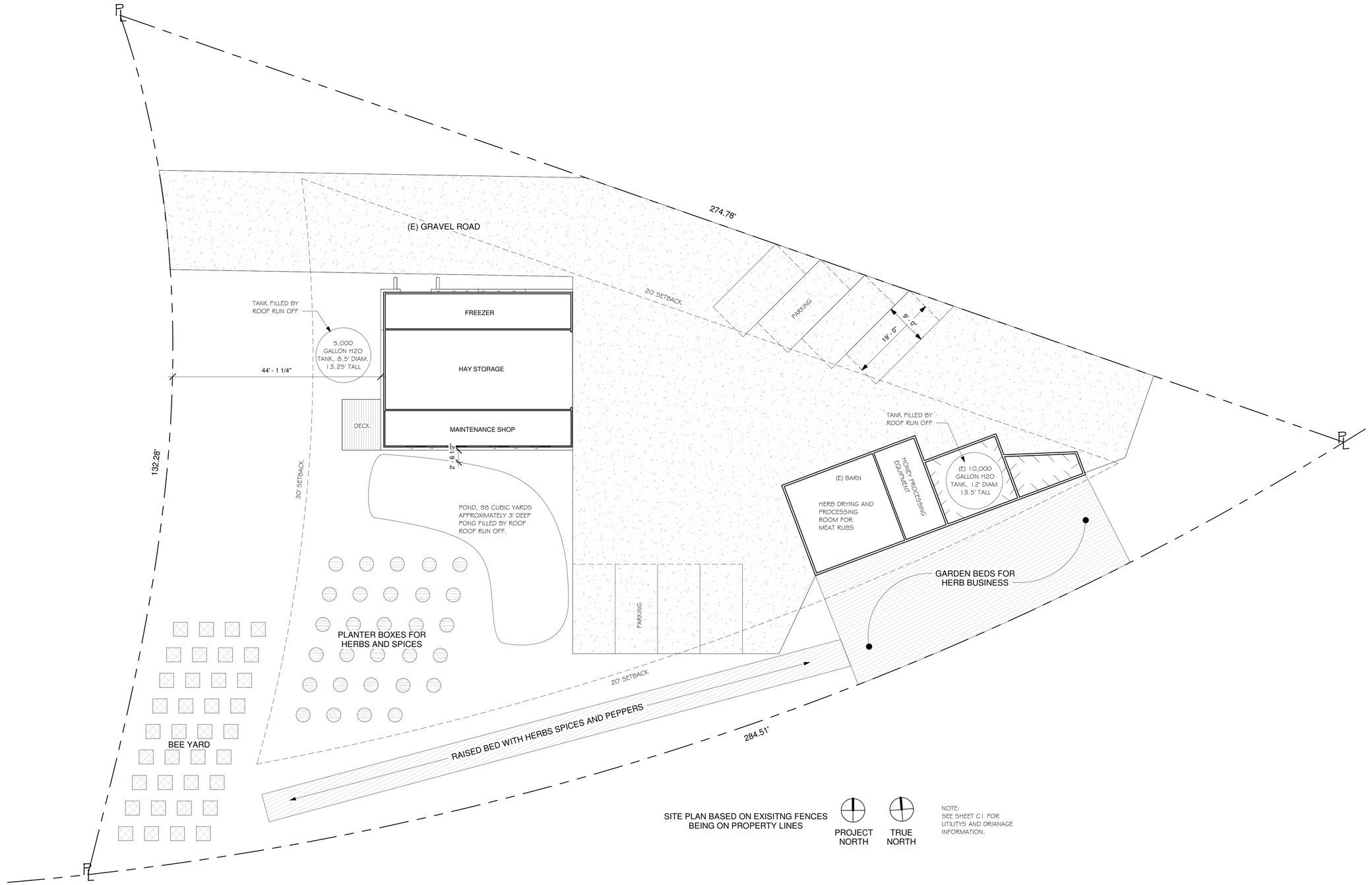
LAND OF MARKEGARD
350 MADERA LANE
SAN GREGORIO, CALIFORNIA
APN: 081-320-030

STRUCTURE LOCATION SURVEY
CODE ENFORCEMENT CITATION

LICENSED LAND SURVEYOR
STEVE DEVICH
L.S. 9298
EXP 9/30/22
STATE OF CALIFORNIA

DATE	8/12/22
SCALE	AS NOTED
JOB #	2999.122
FILE	
DRAWN BY :	SD

SHEET CE1
OF 1 SHEETS



1 Site
1" = 10'-0"

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REVISIONS

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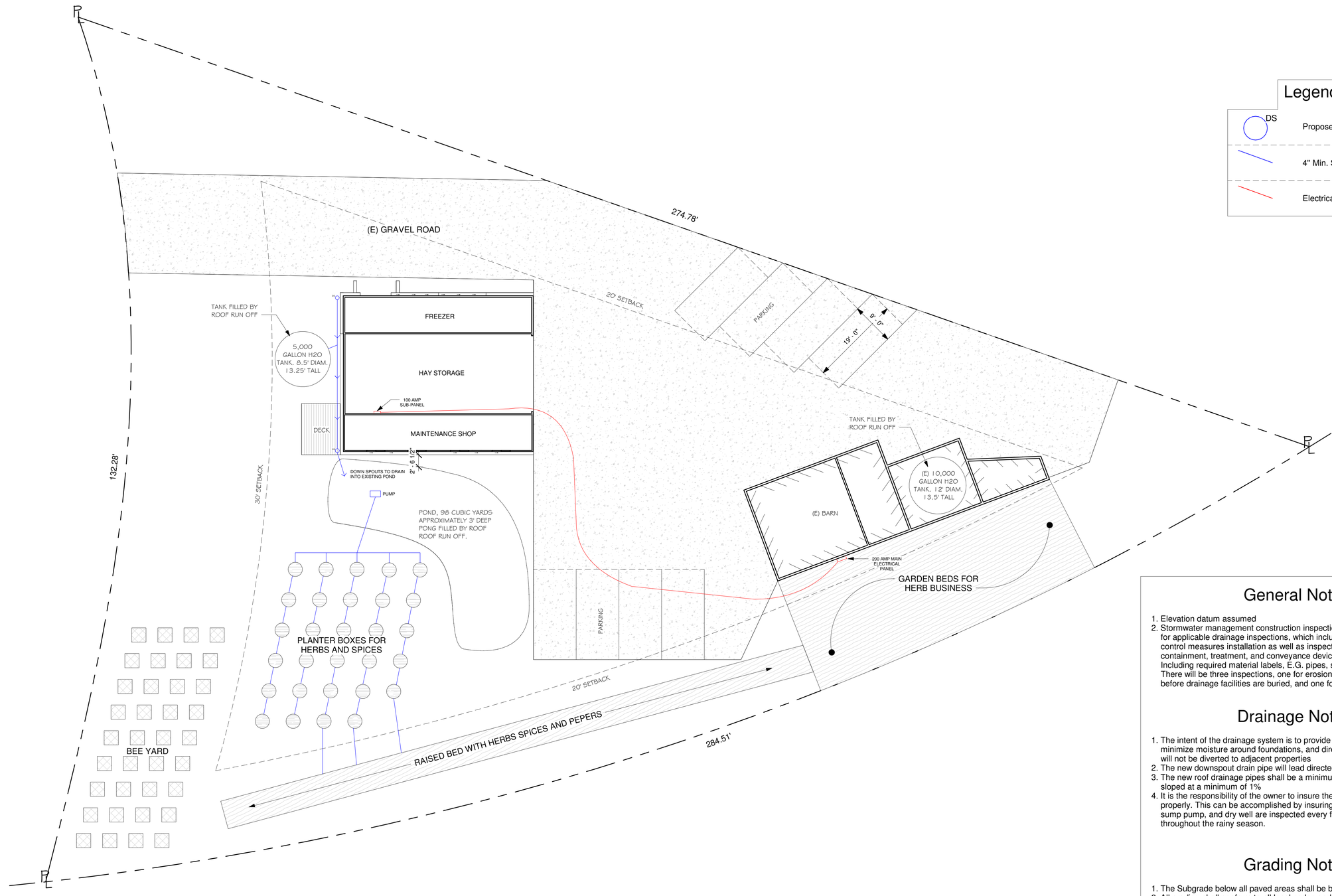
Erik Markegard
(650)245-4557
erik@markegardfamily.com

350 Madera Ln
San Gregorio

Site Plan

Drawn by	JM
Designed By:	Colton Palmer
Date	9/30/24
Sheet:	A102
Scale	1" = 10'-0"

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3 Drainage
1" = 10'-0"

Legend

- DS — Proposed Downspouts
- 4" Min. Solid Drain Pipe
- Electrical

General Notes:

1. Elevation datum assumed
2. Stormwater management construction inspections shall be scheduled for applicable drainage inspections, which include site clearance and erosion control measures installation as well as inspection of major drainage containment, treatment, and conveyance devices before being buried. Including required material labels, E.G. pipes, sub-grade materials, ETC. There will be three inspections, one for erosion control installation, one before drainage facilities are buried, and one for final walk around

Drainage Notes:

1. The intent of the drainage system is to provide a safe location for roof runoff, minimize moisture around foundations, and direct slopes so that Stormwater will not be diverted to adjacent properties
2. The new downspout drain pipe will lead directed to the existing pond.
3. The new roof drainage pipes shall be a minimum of 4" in diameter, solid pipes sloped at a minimum of 1%
4. It is the responsibility of the owner to insure the drainage system is working properly. This can be accomplished by insuring all gutters , down spout lines, sump pump, and dry well are inspected every fall and periodically throughout the rainy season.

Grading Notes:

1. The Subgrade below all paved areas shall be baserock compacted to 95%
2. All grading shall conform to all local codes and ordinances
3. All trenches under proposed paved or concrete areas shall be backfilled to Subgrade elevation with compacted approved granular materials. Trenches in proposed landscape areas shall be within one foot of finished grade, then filled with hand tamped soils.

REVISIONS

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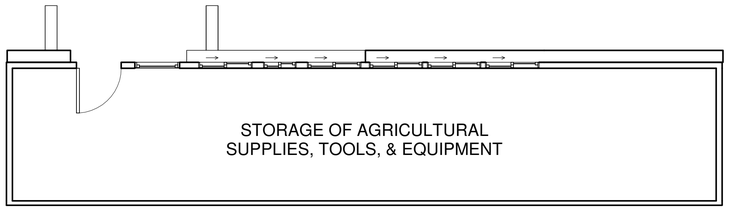
350 Madera Ln
San Gregorio

Drainage Plan

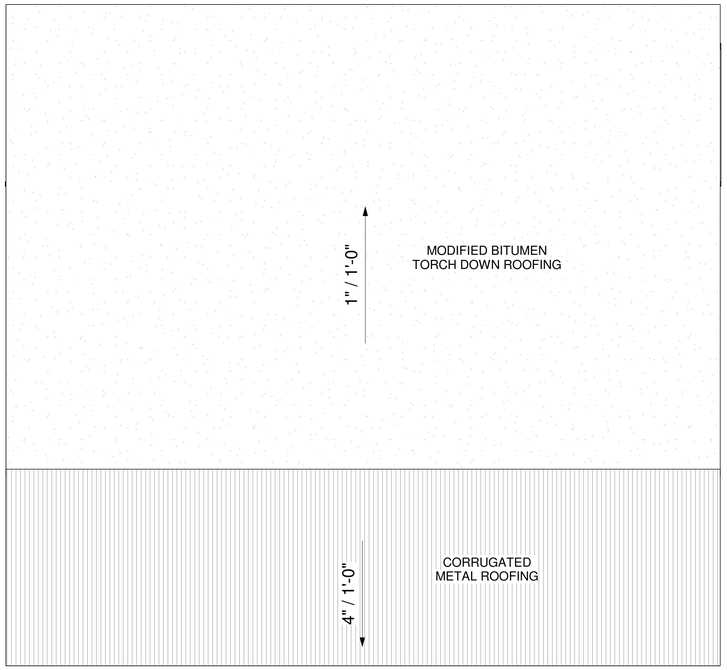
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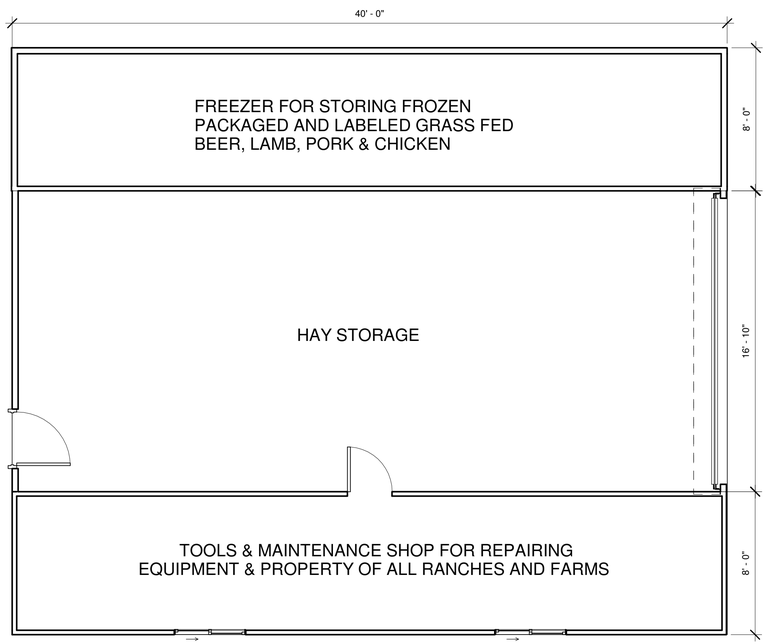
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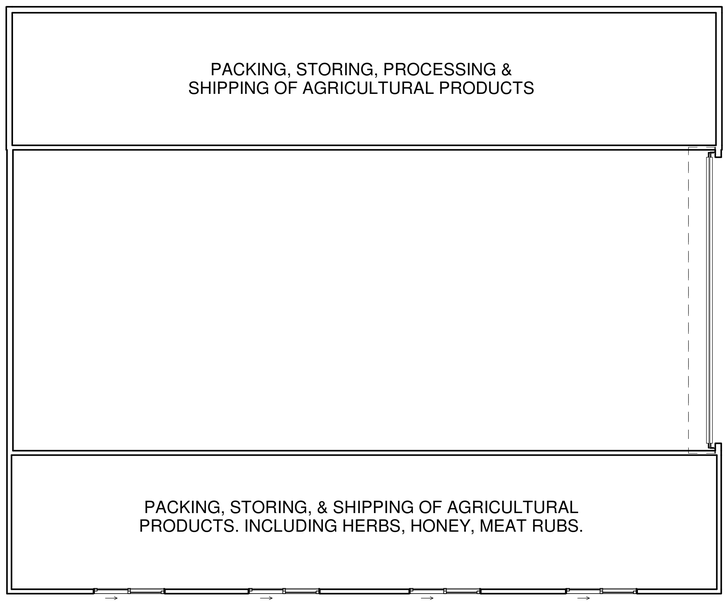
3 Basement
1/4" = 1'-0"



4 Roof
1/4" = 1'-0"



1 Level 1
1/4" = 1'-0"



2 Level 2
1/4" = 1'-0"

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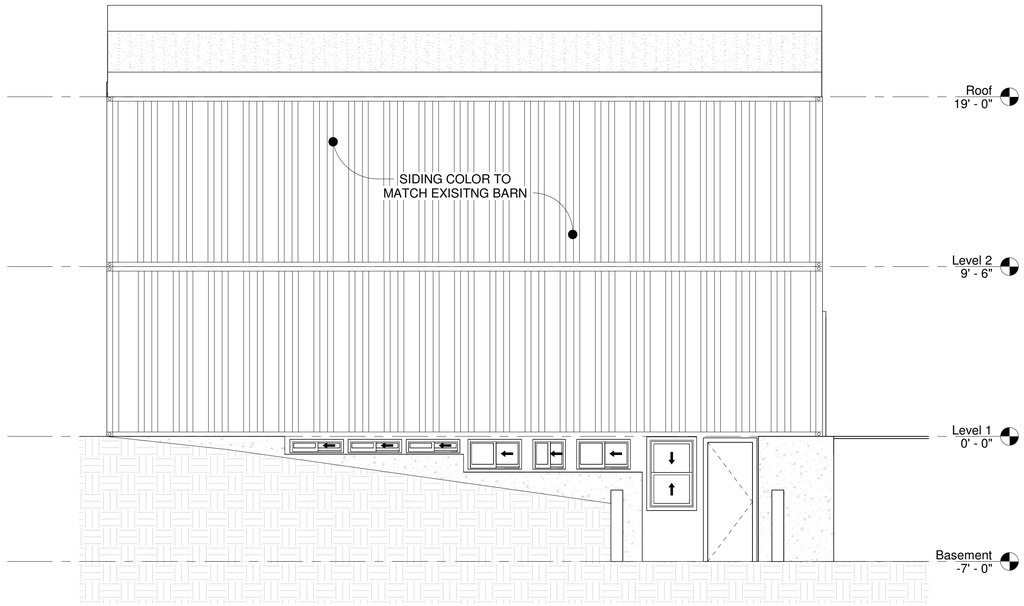
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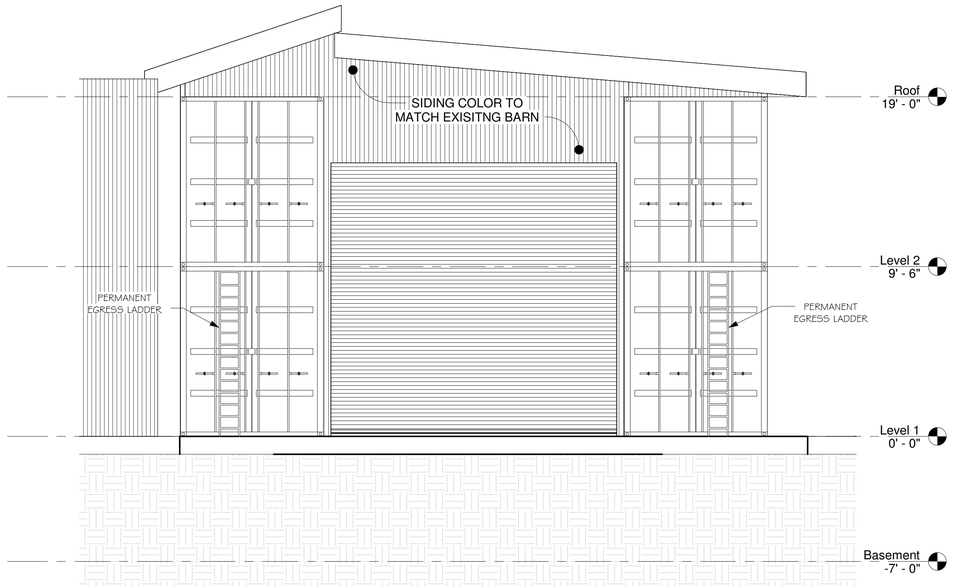
Floor & Roof Plan

Drawn by	JM
Designed By:	Colton Palmer
Date	9/30/24
Sheet:	A103
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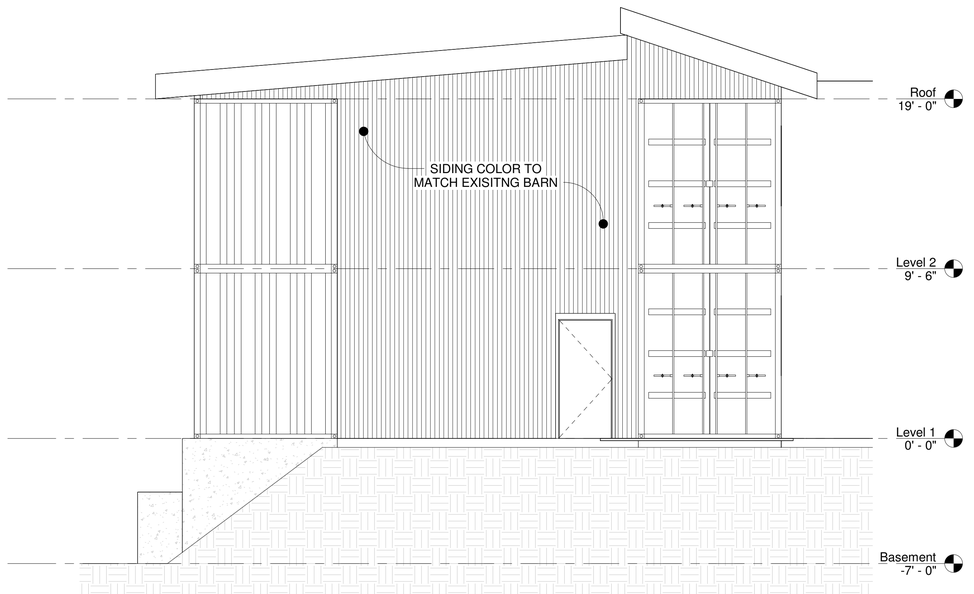
1 North
1/4" = 1'-0"



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



2 South
1/4" = 1'-0"



4 West
1/4" = 1'-0"

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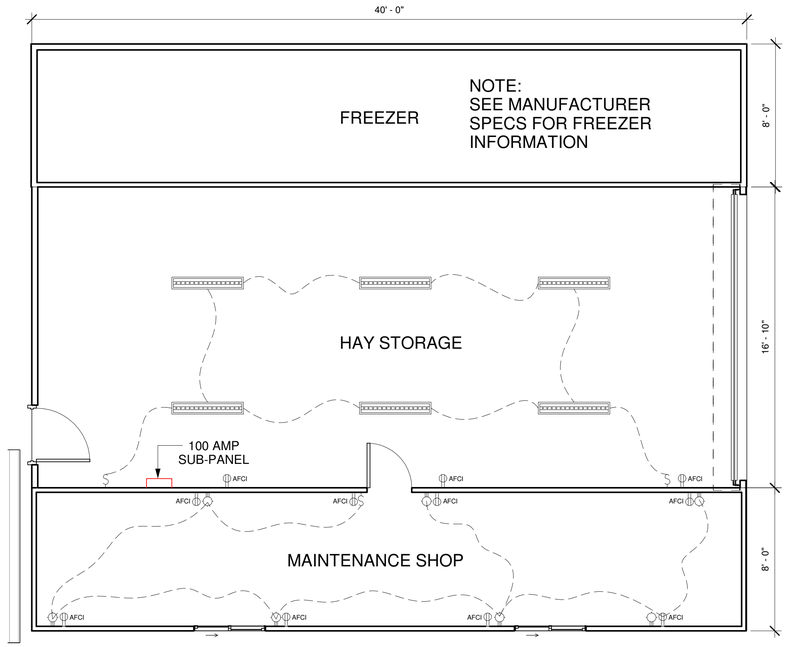
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350 Madera Ln
San Gregorio

Elevations

Drawn by	JM
Designed By:	Colton Palmer
Date	9/30/24
Sheet:	A104
Scale	1/4" = 1'-0"

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1 Level 1 Electrical Plan
1/4" = 1'-0"

AFCI — OUTLET - STOVE (BASED ON MFR SPEC)

AFCI — OUTLET - AFCI

GFCI — OUTLET - GFCI

WP-GFCI — OUTLET - WATER/WEATHER PROOF GFCI

D — OUTLET - DRYER

SD

SD — SWITCH - DIMMER

S3 — SWITCH - DIMMER THREE-WAY

S — SWITCH - SINGLE

SO — SWITCH - OCCUPANCY

WALL MOUNTED LIGHT

4 FOOT SHOP LIGHT

ELECTRICAL NOTES:

1. ALL LIGHTING SHALL BE HIGH-EFFICACY (CEC 150(k)1)

2. ALL OUTDOOR LIGHTING SHALL BE HIGH-EFFICACY AND CONTROLLED BY MOTION SENSOR & PHOTOCONTROL OR OTHER APPROVED METHODS (CEC 150(k)3)

3. IN BATHROOMS, AT LEAST ONE LIGHT SHALL BE CONTROLLED BY A VACANCY SENSOR (CEC 150.0(k)2J)

4. 125-VOLT, 15 & 20 AMP RECEPTICAL OUTLETS SHALL BE LISTED TAMPER-RESISTANT (CEC 406.11)

5. ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE PHASE, 15 & 20 AMP OUTLETS IN DWELLING UNIT KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, LAUNDRY AREAS, OR SIMILAR ROOMS OR AREAS SHALL BE ARC-FAULT CIRCUIT INTERRUPTOR (AFCI) PROTECTED (CEC 210.12(A))

6. A DEDICATED 20 AMP BRANCH CIRCUIT SHALL BE PROVIDED TO SUPPLY BATHROOM RECEPTACLE OUTLETS (CEC 210.11(C)(3))

7. A MINIMUM OF TWO 20 AMP SMALL APPLIANCE CIRCUITS FOR THE KITCHEN COUNTER TOPS SHALL BE PROVIDED. SUCH CIRCUIT SHALL HAVE NO OTHER OUTLETS. LOADS SHALL BE BALANCED (CEC 210.52(B)(2))

8. PROVIDE 220-VOLT, 30 AMP DEDICATED CIRCUIT FOR DRYER (CEC 220.54)

9. ALL BATHROOM EXHAUST FANS SHALL BE ENERGY STAR COMPLIANT, DUCTED TO TERMINATE OUTSIDE THE BUILDING,AND CONTROLLED BY A HUMIDISTAT CAPABLE OF BEING ADJUSTED BETWEEN THE RELATIVE HUMIDITY RANGE OF 50 TO 80 PERCENT. CGBC 4.506

10. KITCHEN EXHAUST SHALL BE A MINIMUM OF 100 CFM

11. KITCHEN HOOD EXHAUST FAN SHALL BE DUCTED OUTSIDE IN ACCORDANCE WITH ASHRAE STANDARD 62.2 TABLE 7.1

12. UFER GROUND OR OTHER APPROVED GROUND PER CEC 250

13. LISTED RACEWAY PROVIDED TO ACCOMMODATE A DEDICATED 208/240-VOLT BRANCH CIRCUIT. RACEWAY SHALL BE MINIMUM TRADE SIZE 1 AND SHALL ORIGINATE AT THE MAIN SERVICE OR SUBPANEL AND SHALL TERMINATE INTO A LISTED CABINET IN CLOSE PROXIMITY TO THE PROPOSED LOCATION OF THE PROPOSED EV CHARGER. CGBSC 4.106.4.1

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San Gregorio

Electrical Plan

Drawn by JM

Designed By: Colton Palmer

Date 9/30/24

Sheet: A105

Scale 1/4" = 1'-0"

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TECHNICAL SPECIFICATIONS:

GENERAL NOTES
1. ANY FEATURE OF CONSTRUCTION NOT FULLY SHOWN OR DETAILED SHALL BE OF THE SAME TYPE AS SHOWN ON THE PLANS FOR SIMILAR CONSTRUCTION.
2. ALL DIMENSIONS SHOWN ON THESE PLANS ARE FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE ARCHITECTS PLANS AND NOTIFY THE ENGINEER IN THE EVENT OF A CONFLICT, PRIOR TO PROCEEDING WITH CONSTRUCTION.
3. ANY REQUEST FOR ALTERATIONS OR SUBSTITUTIONS MUST BE PRESENTED TO THE ENGINEER IN THE FORM OF A DETAILED SKETCH FOR REVIEW BEFORE AN APPROVAL WILL BE GIVEN, AND BEFORE PROCEEDING WITH THE WORK.
4. ALL CONSTRUCTION SHALL CONFORM TO THE APPLICABLE PROVISIONS OF THE CALIFORNIA BUILDING CODE, 2019 EDITION.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION, AND TO NOTIFY THE ENGINEER IN THE EVENT OF A CONFLICT.
6. THE CONTRACTOR SHALL SECURE ALL REQUIRED CONSTRUCTION PERMITS FROM THE COUNTY OF SAN MATEO BUILDING DEPARTMENT PRIOR TO THE START OF WORK.
7. THE CONTRACTOR SHALL NOTIFY THE COUNTY BUILDING INSPECTOR AT LEAST 48 HOURS PRIOR TO POURING ANY CONCRETE.

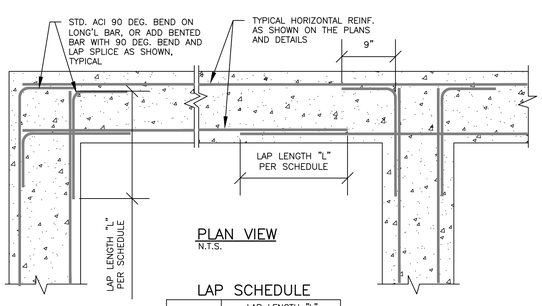
CONCRETE
1. ALL CONCRETE WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF THE ACI BUILDING CODE AND THE LATEST EDITION OF THE MANUALS OF CONCRETE PRACTICE.
2. THE CONCRETE FOR THE BUILDING FOUNDATIONS SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI. THE USE OF ANY ADMIXTURE SHALL BE APPROVED BY THE ENGINEER.
3. THE MAXIMUM AGGREGATE SIZE SHALL BE 3/4" INCH FOR PUMP DELIVERED CONCRETE.
4. REINFORCEMENT, ANCHOR BOLTS, SLEEVES, AND OTHER SUCH ITEMS TO BE CAST MONOLITHICALLY IN CONCRETE SHALL BE SECURELY FASTENED AND IN PLACE PRIOR TO CALLING FOR INSPECTION.
5. RECYCLED FLY ASH MAY BE SUBSTITUTED FOR THE REQUIRED CEMENT CONTENT AT THE RATE OF 25% MAXIMUM.
6. CONCRETE FORM BOARDS SHALL BE REUSED OR RECYCLED.
7. SUBMIT MIX DESIGN AND CURING METHOD TO THE ENGINEER FOR REVIEW PRIOR TO PLACING CONCRETE.
8. VAPOR BARRIER UNDER BUILDING SLABS SHALL BE STEGOWRAP 15 MIL VAPOR BARRIER. OR APPROVED EQUIVALENT

REINFORCING STEEL
1. REINFORCING STEEL SHALL COMPLY WITH ASTM A615, GRADE 40 FOR #4 AND SMALLER BARS, GRADE 60 FOR #5 AND LARGER BARS. SPLICES SHALL BE STAGGERED WHERE POSSIBLE. SPLICE BARS 40 BAR DIAMETERS, MINIMUM.
2. SUPPORTING DEVICES FOR THE REINFORCEMENT SHALL BE SPACED SUFFICIENTLY TO PROPERLY SUPPORT THE REINFORCEMENT AND PREVENT EXCESSIVE DEFLECTION THAT MAY RESULT IN IMPROPER BAR PLACEMENT.
3. THE FOLLOWING MINIMUM BAR COVERS SHALL BE MAINTAINED:
   CONCRETE EXPOSED TO EARTH OR WEATHER: 1 ½ INCHES
   CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3 INCHES
4. ALL ANCHOR BOLTS SHALL BE 5/8" DIAMETER BY 12" LONG HOT DIPPED GALVANIZED "J" BOLTS WITH 3" SQUARE x 1/4" PLATE WASHERS. USE TWO BOLTS MINIMUM PER SILL PLATE MEMBER, 6" MINIMUM AND 12" MAXIMUM FROM EACH END.

FOUNDATION EXCAVATION NOTES
1. THE FOUNDATION ELEMENTS SHOWN HEREON WERE DESIGNED BASED ON ASSUMED VALUES BASED ON SITE OBSERVATIONS. VALUES SHALL BE VERIFIED BY A GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL FOLLOW THE RECOMENDATIONS BY GEOTECHNICAL ENGINEER.
2. THE FOUNDATION DIMENSIONS SHOWN ON THESE PLANS SHOULD BE CONSIDERED MINIMUMS. ALL FOOTINGS SHALL BE EXCAVATED INTO AND BEAR ON NATIVE BEDROCK SHOWN HEREON. LOOSE NEAR SURFACE SOILS MAY REQUIRE FOOTINGS TO HAVE ADDITIONAL DEPTH.
3. NOTIFY THE GEOTECHNICAL ENGINEER PRIOR TO PROCEEDING IN THE EVENT THAT UNUSUAL SOIL CONDITIONS ARE ENCOUNTERED.
4. ALL EXCAVATED MATERIAL SHALL BE DEPOSITED OFF SITE IN A LEGAL MANOR, OR INCORPORATED INTO OTHER ONSITE GRADING PROVIDED IT IS DONE SO BASED ON ACCEPTED STANDARDS TO PREVENT EROSION.
5. CONTRACTOR IS RESPONSIBLE FOR SHORING DESIGN AND INSTALLATION TO SUPPORT EXISTING STRUCTURE IN AREAS WHERE NEW FOOTING OR UTILITY EXCAVATIONS ARE ADJACENT TO EXISTING FOUNDATION ELEMENTS.

STRUCTURAL STEEL
1. ALL WORK DONE UNDER THIS SECTION SHALL CONFORM TO THE REQUIREMENTS OF THE AISC SPECIFICATIONS AND THE CODE OF STANDARD PRACTICE, OR THE PWS SPECIFICATIONS FOR WELDING (AWS D1.1-75)
2. STRUCTURAL STEEL PLATES AND BARS SHALL CONFORM TO ASTM A36.
3. STRUCTURAL STEEL WIDE FLANGES SHAPES SHALL HAVE A MINIMUM YIELD OF 50 KSI.
4. STRUCTURAL STEEL PIPE SHALL CONFORM TO ASTM A53, GRADE B.
5. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, GRADE B.
6. ALL BOLTS SHALL BE ASTM A325 OR BETTER, UNLESS NOTED OTHERWISE.
7. ALL STEEL FASTENERS EXPOSED TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED.
8. ALL STRUCTURAL STEEL MEMBERS SHALL BE PAINTED WITH A SHOP PRIMER SUCH AS THAT BY TNEMEC BRAND OR EQUAL
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO FABRICATING THE STRUCTURAL STEEL MEMBERS. IN THE EVENT OF A DISCREPANNCY OR CONFLICT, NOTIFY THE ENGINEER PRIOR TO PROCEEDING.
10. ALL STRUCTURL STEEL WELDING AND HIGH STRENGTH BOLTING SHALL BE DONE SO WITH SPECIAL INSPECTION AS REQUIRED PER SECTION 1704 OF THE 2019 UBC.

CONTAINER SPECIFICATION BY OTHERS	
TYPE	FG-40H-00038
DATE MANUFACTURED	01/2020
MAX. OPERATING GROSS MASS	67,200 LBS
ALLOWABLE STACKING LOAD FOR 1.8G	423,280 LBS
TRANSVERSE RACKING TEST FORCE	150,000 NEWTONS



PLAN VIEW
N.T.S.

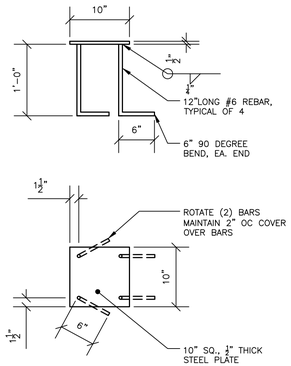
LAP SCHEDULE

BAR SIZE:	LAP LENGTH "L"	
	TOP BARS	OTHER BARS
#4	24"	16"
#5	30"	20"
#6	40"	28"

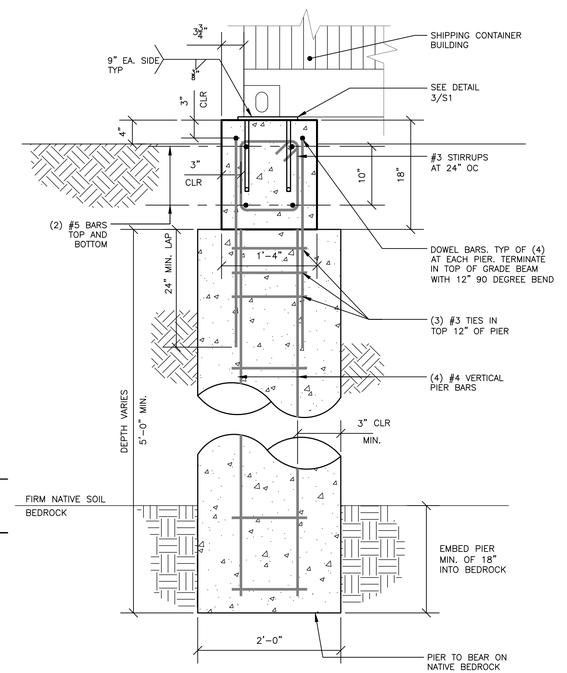
NOTE: LAP LENGTHS SHOWN ASSUME CLASS B SLICE CONDITIONS AND CAN BE USED AT ANY POINT ALONG A MEMBER.

NOTES:
"TOP BARS" OCCUR WHERE AT LEAST 12" OF CONCRETE IS TO BE PLACED BELOW THE REBAR IN QUESTION. OTHERWISE THE BARS ARE "OTHER BARS."
SPLICE ALL SLAB REINFORCING AS SHOWN ON THE "OTHER BAR" COLUMN.

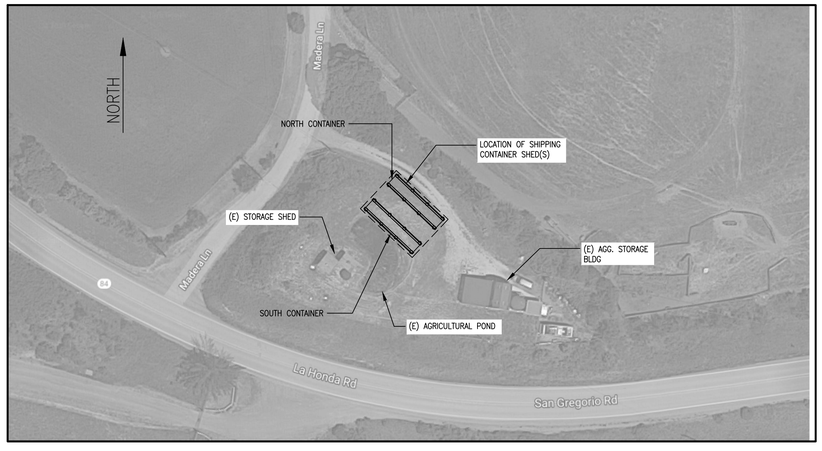
4 / S1 TYPICAL REINFORCEMENT DETAILS



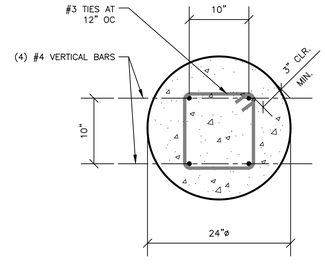
3 / S1 WELD PLATE DETAIL



1 / S1 TYPICAL GRADE BEAM REINFORCEMENT DETAILS
SOUTH CONTAINER



SITE PLAN: 350 MADERA LANE
SCALE: N.T.S.



TOP VIEW

2 / S1 TYPICAL PIER REINFORCEMENT DETAILS

REVISION	DESCRIPTION	DATE
	RELEASED FOR CONCEPTUAL DESIGN ONLY.	8/5/20
	RELEASED FOR PERMIT APPLICATION ONLY.	7/13/22

SITE PLAN, DETAILS AND SPECIFICATIONS

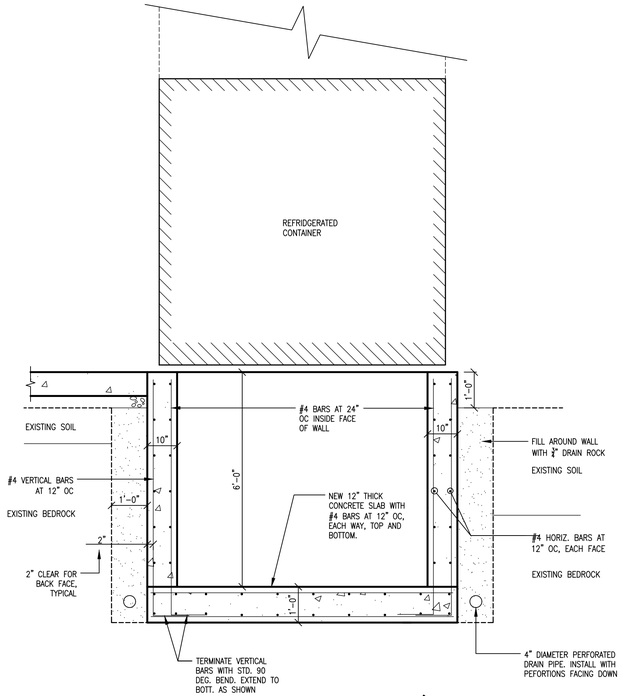
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ANDREW C. RADOVAN
No. C 055138
CIVIL
STATE OF CALIFORNIA
7/13/22

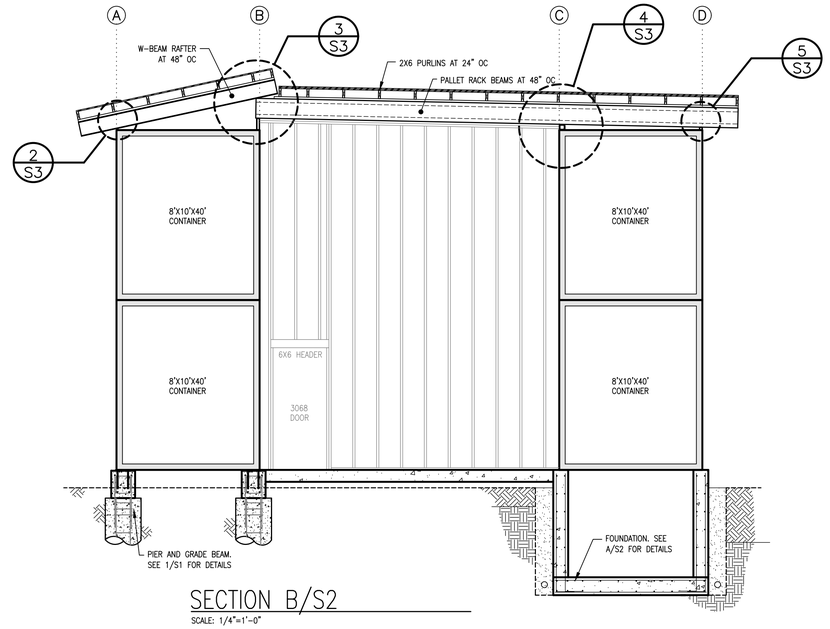
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SCALE:	AS NOTED

SHEET
S1



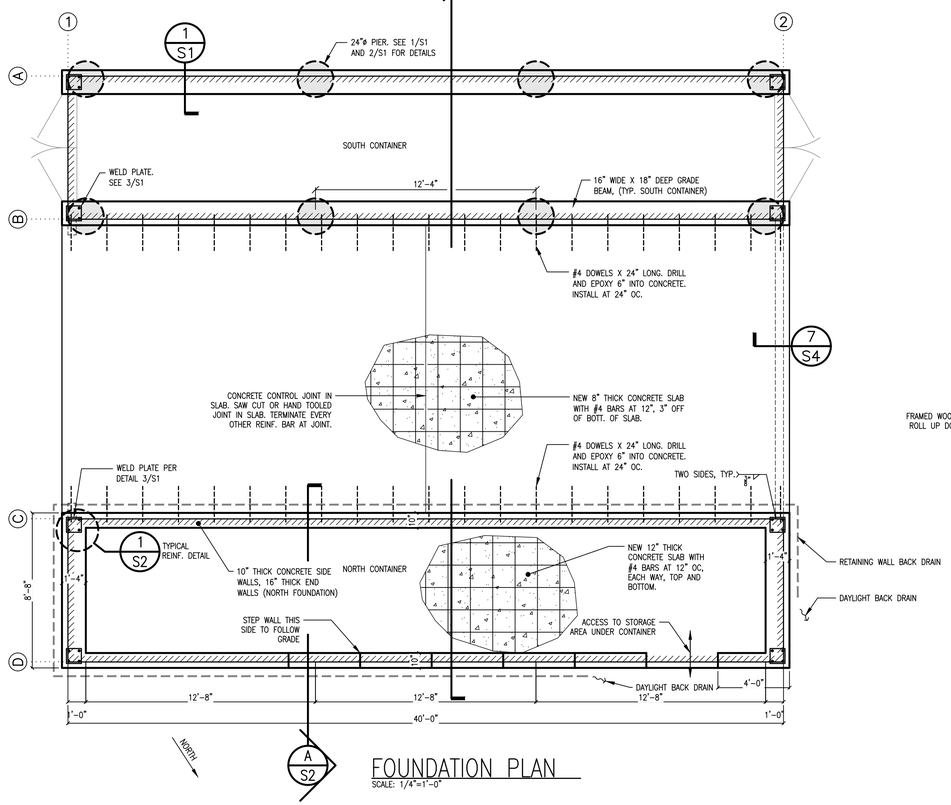
SECTION A/S2

SCALE: 1/2"=1'-0"



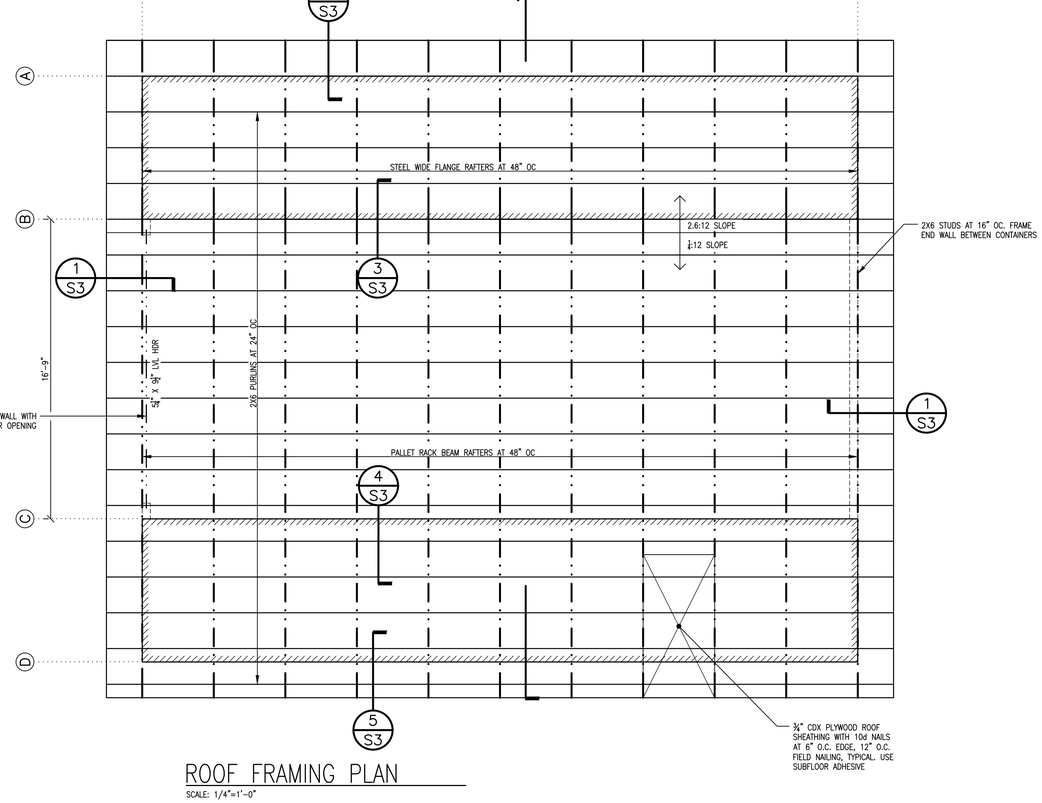
SECTION B/S2

SCALE: 1/4"=1'-0"



FOUNDATION PLAN

SCALE: 1/4"=1'-0"



ROOF FRAMING PLAN

SCALE: 1/4"=1'-0"

REVISION	DESCRIPTION	DATE
	RELEASED FOR CONCEPTUAL DESIGN ONLY	2/8/21
	RELEASED FOR PERMIT SUBMITTAL ONLY	7/13/22

FOUNDATION PLAN, ROOF FRAMING PLAN, AND SECTIONS

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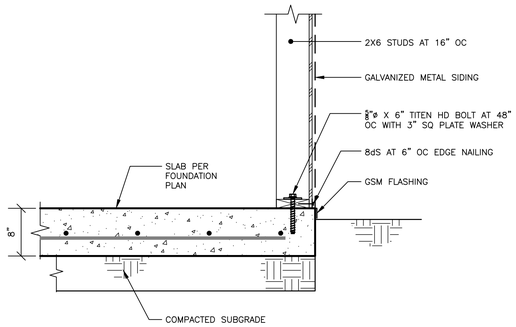
REGISTERED PROFESSIONAL ENGINEER ANDREW C. RADOVAN No. C 055138 CIVIL STATE OF CALIFORNIA

7/13/2022

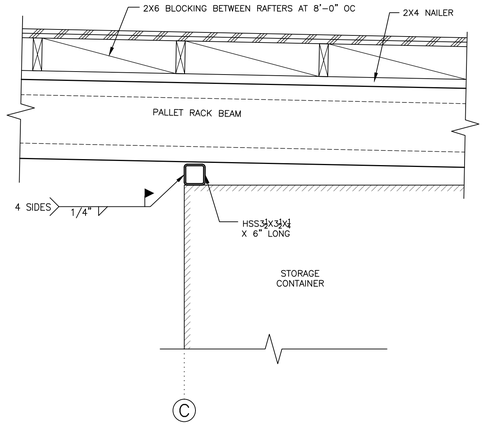
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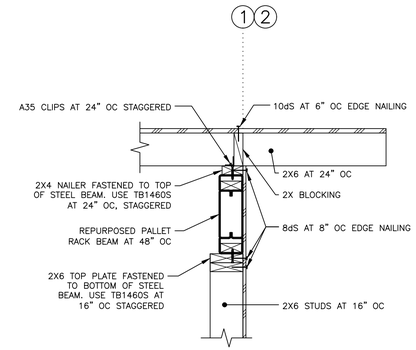
S2



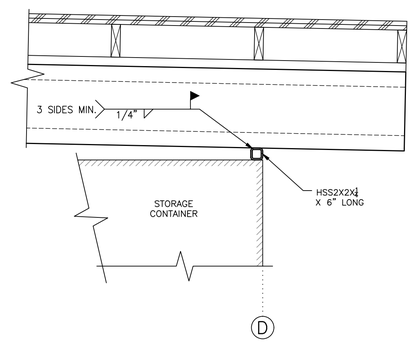
7 / S3	TYP. END WALL FRAMING



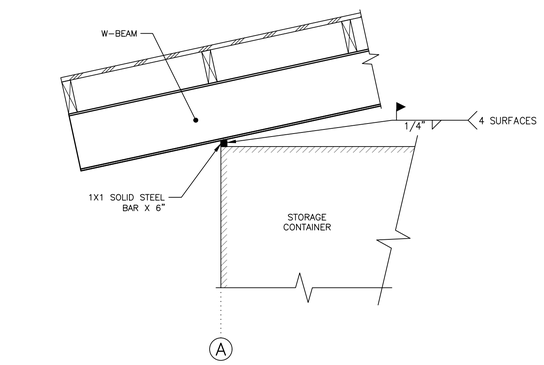
4 / S3	PALLET BEAM CONNECTION AT NORTH INTERIOR



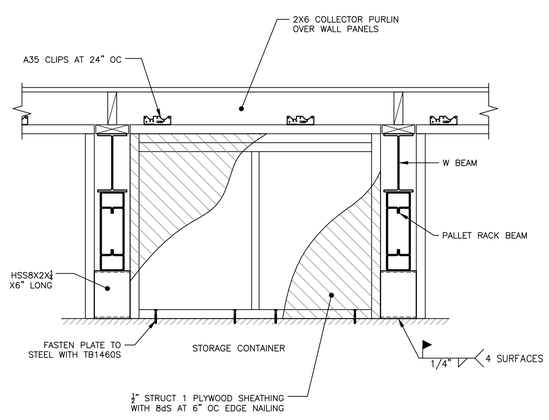
1 / S3	WOOD FRAMED WALL LINES ① & ②



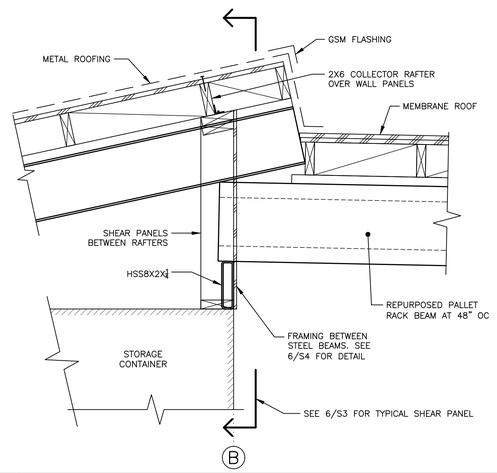
5 / S3	PALLET BEAM CONNECTION AT NORTH END



2 / S3	STEEL BEAM CONNECTION AT SOUTH END



6 / S3	PANELING AT BEAM CONNECTION



3 / S3	STEEL BEAM & PALLET RACK CONNECTION

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DETAILS

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SHEET

S3