PROPOSED IU-MIEN BUDDHIST TEMPLE
AT 6225 EXCELSIOR RD, SACRAMENTO CA.95829

ABBREVIATIONS LIST

&	AND
A.B.	ANCHOR BOLT
A.C.	ASPHALT CONCRETE
A/C	AIR CONDITIONING
ACC.	ACCESSIBLE
ACOUST.	ACOUSTICAL
A.D.	AREA DRAIN
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
AGGR.	AGGREGATE
ALUM.	ALUMINUM
APPROX.	APPROXIMATE
ARCH.	ARCHITECT(URAL)
BD.	BOARD
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.M.	BENCH MARK
BTTM.	BOTTOM
B.U.R.	BUILT UP ROOFING
CEM.	CEMENT
CER.	CERAMIC
C.I.	CAST IRON
C.J.	CONSTRUCTION JOINT
CLF	CHAIN LINK FENCE
CLG.	CEILING
CLR.	CLEAR
CLKG.	CAULKING
CNTR.	COUNTER
C.O.	CLEAN OUT
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONST.	CONSTRUCTION
CONT.	CONTINUOUS
C.O.T.G.	CLEAN OUT TO GRADE
CTSK.	COUNTERSUNK
DBL.	DOUBLE
D.F.	DRINKING FOUNTAIN
DEPT.	DEPARTMENT
DTL.	DETAIL
D.I.	DROP INLET
DIAG.	DIAGONAL
DIM.	DIMENSION
DN.	DOWN
DR.	DOOR
D.S.	DOWN SPOUT
D.S.P.	DRY STANDPIPE
DWG.	DRAWING
E	EAST
(E)	EXISTING
EA.	EACH
E.F.	EXHAUST FAN
E.J.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.W.	EACH WAY
EXP.	EXPANSION
EXT.	EXTERIOR
F.A.	FIRE ALARM
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.F.	FINISH FACE
F.E.	FIRE EXTINGUISHER
F.H.W.S.	FLAT HEAD WOOD SCREW
FIN.	FINISH
F.L.	FLOW LINE
FLR.	FLOOR
FLG.	FLASHING
FLUOR.	FLUORESCENT
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.W.	FACE OF WALL
F.P.	FIREPROOF
F.R.P.	FIBERGLASS REINFORCED PANEL
F.O.S.	FACE OF STUD
F.S.D.	FIRE SMOKE DAMPER
FT.	FOOT OR FEET
FTG.	FOOTING
F.V.	FIELD VERIFY
GA.	GAUGE
GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
G.I.	GALVANIZED IRON
GLU-LAM	GLUE LAMINATE
GND.	GROUND
GYP. BD.	GYPSUM WALLBOARD
H.B.	HOSE BIB
H.C.	HOLLOW CORE
HDWD.	HARDWOOD
HDBD.	HARDBOARD
HDWE.	HARDWARE
H.M.	HOLLOW METAL
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
I.D.	INSIDE DIAMETER
I.E.	INVERT ELEVATION
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
INSUL.	INSULATION
LAV.	LAVATORY
LT.	LIGHT
MAX.	MAXIMUM
MECH.	MECHANICAL
MEMB.	MEMBRANE
MFR.	MANUFACTURER
M.H.	MANHOLE
MIN.	MINIMUM
M.I.	MALLEABLE IRON
MISC.	MISCELLANEOUS
M.O.	MASONRY OPENING
MRGB.	MOISTURE RESISTANT GYPSUM WALLBOARD
MTL.	METAL
N.	NORTH
(N)	NEW
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.H.	OVERHEAD OR
OPNG.	OPENING
OPP.	OPPOSITE
O/	OVER
P.L.	PROPERTY LINE
P.LAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLYWD.	PLYWOOD
P.M.	PRESSED METAL
P.M.F.	PRESSED METAL FRAME
PNL.	PANEL
P.O.C.	POINT OF CONNECTION
PR.	PAIR
PROP.	PROPERTY
P.S.F.	POUNDS PER SQUARE FOOT
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
Q.T.	QUARRY TILE
R.	RISER
RAD.	RADIUS
R.D.	ROOF DRAIN
R.E.	RAW ELEVATION
REBAR	REINFORCING BAR
REF.	REFERENCE
REQ'D.	REQUIRED
RM.	ROOM
R.O.	ROUGH OPENING
RWD.	REDWOOD
R.W.L.	RAIN WATER LEADER
S.	SOUTH
S.D.	STORM DRAIN
S.C.	SOLID CORE
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SHTG.	SHEATHING
SIM.	SIMILAR
S.M.	SHEET METAL
S.M.S.	SHEET METAL SCREW
SPEC'S.	SPECIFICATIONS
SQ.	SQUARE
S.STL.	STAINLESS STEEL
STD.	STANDARD
STL.	STEEL
STRUCT.	STRUCTURAL
S.T.S.M.S.	SELF TAPPING SHEET METAL SCREW
S.S.	SANITARY SEWER
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T.	THERMOSTAT
T.C.	TOP OF CURB
T&G	TONGUE & GROOVE
TEL.	TELEPHONE
TEMP.	TEMPERATURE
THK.	THICK
THRESH.	THRESHOLD
T.O.C.	TOP OF CONCRETE
T.O.F.	TOP OF FRAMING
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
T.P.	TOP OF PAVING
T.P.H.	TOILET PAPER HOLDER
T.P.D.	TOILET PAPER DISPENSER
TS	STRUCTURAL TUBE
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
UNF.	UNFINISHED
V.C.T.	VINYL COMPOSITION TILE
V.C.F.	VINYL COATED FABRIC
VERT.	VERTICAL
V.T.B.	VINYL TACK BOARD
V.W.C.	VINYL WALL COVERING
W.	WEST
W/	WITH
WD.	WOOD
W.H.	WATER HEATER
W.M.	WATERPROOF MEMBRANE
W/O	WITHOUT
W.P.	WATERPROOF
W.R.	WATER RESISTANT
WT.	WEIGHT
W.W.F.	WELDED WIRE FABRIC

SYMBOLS LEGEND

- CONCRETE
- CONCRETE BLOCK
- A.C. PAVING
- CERAMIC TILE OR BRICK
- SAND MORTAR OR PLASTER
- AGGREGATE
- EARTH
- METAL
- PLYWOOD
- GYPSUM BOARD
- GLASS
- WOOD FRAMING (CONT. MEMBER)
- WOOD FRAMING (BLOCKING)
- WOOD MEMBER (FINISHED)
- INSULATION
- ROOM NUMBER
- WINDOW TYPE
- DOOR NUMBER
- GRID LINE/NUMBER
- GRID CENTER LINE/NUMBER
- SECTION NUMBER / SHEET WHERE SECTION IS DRAWN
- DETAIL NUMBER / SHEET WHERE DETAIL IS DRAWN
- LOCATION NUMBER / SHEET WHERE ENLARGED PLAN IS DRAWN
- ELEVATION NUMBER / SHEET WHERE ELEVATION IS DRAWN
- EQUIPMENT NUMBER
- PARTITION TYPE
- KEYNOTE
- REVISION NUMBER
- MATCH LINE
- DATUM, WORK OR CONTROL NUMBER
- ANGLE
- DIAMETER OR ROUND
- PERPENDICULAR
- POUND OR NUMBER
- CENTERLINE
- PLATE OR PROPERTY LINE

CONSULTANTS

DESIGNER: A.K.B. P.O. BOX 570640 ELK GROVE CA. (916)628-2230

ENERGY CALCULATIONS:

STRUCTURAL CALCULATIONS:

GENERAL NOTES

1. ON-SITE VERIFICATION OF ALL DIMENSIONS AND DETAILS SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND EACH SUBCONTRACTOR FOR HIS INDIVIDUAL WORK. THE ENGINEER OF RECORD SHALL BE NOTIFIED IF ANY DISCREPANCIES ARE FOUND PRIOR TO COMMENCING WORK. THE RESPONSIBILITY FOR WORK COMPLETED WITHOUT PROPER NOTIFICATION SHALL BE BORN BY THE INDIVIDUAL CONTRACTOR INVOLVED.
2. THE CONTRACT DOCUMENTS INDICATE THE EXTENT AND APPROXIMATE LOCATION OF ELEMENTS OF THE BUILDING AND SITE. THEY ARE NOT EXHAUSTIVELY DETAILED NOR FULLY SPECIFIED. ALL CONDITIONS, LOCATIONS, DEVICES, AND ELEMENTS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCING WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, RESOLVE AND INSTALL ALL MATERIALS AND EQUIPMENT.
3. DO NOT SCALE DRAWINGS. PLAN DIMENSIONS TO FACE OF STUDS, UNLESS OTHERWISE NOTED.
4. SUBSTITUTIONS: THE ENGINEER WILL CONSIDER PROPOSALS FOR SUBSTITUTION OF MATERIALS, EQUIPMENT, METHODS, ONLY WHEN SUCH PROPOSALS ARE ACCOMPANIED BY FULL AND COMPLETE TECHNICAL DATA AND ALL OTHER INFORMATION REQUIRED BY THE ENGINEER OF RECORD TO EVALUATE THE PROPOSED SUBSTITUTION. PROPOSALS SUBMITTED WITHOUT COMPLETE DATA WILL NOT BE CONSIDERED.
5. BUILDING ADDRESS. APPROVED NUMBER OR ADDRESSES SHALL BE PROVIDED FOR NEW BUILDING IN SUCH A POSITION AS TO BE CLEARLY VISIBLE FROM THE STREET OR ROADWAY FRONTING THE PROPERTY. LETTERS OR NUMBERS SHALL BE A MINIMUM OF 4" IN HEIGHT AND A STROKE OF MINIMUM 0.5 INCH OF A CONTRASTING COLOR TO THE BACKGROUND ITSELF. R319.1

GREEN BUILDING NOTES

NEW ONE AND TWO FAMILY DWELLING AND TOWNHOUSES WITH ATTACHED PRIVATE GARAGES FOR EACH DWELLING UNITS, INSTALL A LISTED RACEWAY TO ACCOMMODATE A DEDICATED 208/240 VOLT BRANCH CIRCUIT. THE3 RACE WAY SHALL NOT BE LESS THAN THE TRADE SIZE 1 (NOMINAL 1 INCH INSIDE DIAMETER) THE RACEWAY SHALL ORIGINATE AT THE MAIN SERVICE OR SUB PANEL AND SHALL TERMINATE INTO A LISTED CABINET BOX, OR OTHER ENCLOSURE IN CLOSE PROXIMINITY TO THE PROPOSED LOCATION OF AND EV CHARGER. RACEWAYS ARE REQUIRED TO BE CONTINUOUS AT ENCLOSED, INACCESSIBLE OR CONCEALED AREA OR SPACES. THE SERVICE PANEL AND / OR SUB-PANEL SHALL PROVIDE CAPACITY TO INSTALL A 40 AMPS MINIMUM DEDICATED BRANCH CIRCUIT AND SPACES RESERVED TO PERMIT INSTALLATION OF A BRANCH CIRCUIT OVER-CURRENT PROTECTIVE DEVICE 4.106.4.1

IDENTIFICATION THE SERVICE PANEL OR SUB-PANEL CIRCUIT DIRECTORY SHALL IDENTIFY THE OVER CURRENT PROTECTIVE DEVICE SPACES(S) RESERVED FOR FUTURE RACEWAY TERMINATION LOCATION SHALL BE PERMANENTLY AND VISIBLY MARKED AS "EV CAPABLE" 4.106.4.1.1

ELECTRIC VEHICLE (EV) CHARGING FOR NEW CONSTRUCTION. NEW CONSTRUCTION SHALL COMPLY WITH SECTION 4.106.4.1 AND 4.106.4.2 TO FACILITATE FUTURE INSTALLATION AND USE OF EV CHARGES. ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA ELECTRICAL (EVSF) CODE, ARTICLE 625. 4.106.4

WILDLAND URBAN INTERFACE

PROJECT IS NOT LOCATED IN WILDLAND URBANFACE FIRE AREA

FLOOD ZONE

PROJECT IS NOT LOCATED IN FLOOD AREA

SCOPE OF WORK

NEW BUDDHIST TEMPLE WITH SITE IMPROVEMENTS, LANDSCAPE, PARKING, RESTROOM AND STORAGE AREA.

PROJECT CODE DATA

OWNER:	FOUSIO SAELEE AND MINDY IAN CZEUW
ASSESSOR'S PARCEL NUMBER:	2023-00082
LOT AREA	10 ACRES
ZONING:	AG. - RES.
CONSTRUCTION TYPE:	VB
NUMBER OF STORIES	1
OCCUPANCY - A3 ASSEMBLY AND R3-RESIDENCE	
SPRINKLED:	YES

BUILDING CODE ANALYSIS

ALL WORK PERFORMED IN CONNECTION WITH THESE CONTRACT DOCUMENTS SHALL COMPLY WITH ALL STATE AND LOCAL CODES AND ORDINANCES IN EFFECT AT THE TIME OF CONSTRUCTION. ALL WORK TO COMPLY WITH:

2022 CBC, CRC, CAL GREEN CODE, CMC, CEC, CPC (BASED ON 2021 IBC. 2021 CALIFORNIA GREEN BUILDING STANDARD CODE, 2021 UMC, 2021 UPC, 2020 NEC) AND 2022 ENERGY STANDARD AS AMENDED BY STATE OF CALIFORNIA AND LOCAL JURISDICTION, ARE APPLICABLE TO THIS PROJECT

VICINITY MAP

FLOOD ZONE

PROJECT IS NOT LOCATED IN FLOOD AREA

SHEET INDEX

A0	SHEET INDEX - PROJECT INFORMATION
CIVIL	
1	ROAD WIDENING LAYOUT
CONCEPTUAL DESIGN	
CS	CS COVER SHEETS AND PROJECT INFORMATION
1.0	EXHIBIT - LANDSCAPE
2.0	EXHIBIT LANDSCAPE
3.0	EXHIBIT LANDSCAPE
A0.1	SITE LAYOUT
A0.2	SITE DETAILS
A0.3	TEMPLE COLORED ELEVATIONS
A0.4	SERVICE BUILDING COLORED ELEVATIONS
ARCHITECTURAL DETAILS	
A1.0	SITE PLAN
A0.1	SITE PLAN AND DETAILS
A1	FLOOR PLAN TEMPLE AND SERVICE BUILDING
A1.1	TEMPLE AND SERVICE BUILDING ROOF PLAN
A3.0	TEMPLE ELEVATIONS - BLACK AND WHITE
A3	TEMPLE COLORED ELEVATIONS
A3.1	SERVICE BUILDING ELEVATIONS - BLACK AND WHITE
A4	SERVICE BUILDING COLOR ELEVATIONS
A5.0	TEMPLE BUILDING SECTION
A7.0	CONSTRUCTION DETAILS
A7.1	CONSTRUCTION DETAILS
A7.2	CONSTRUCTION DETAILS
A7.3	CONSTRUCTION DETAILS
STRUCTURAL SHEET INDEX	
S0.1	GENERAL NOTES AND DESIGN CRITERIA
S0.2	GENERAL NOTES
S1.0	SERVICE BUILDING FOUNDATION AND ROOF PLAN
S1.1	TEMPLE FOUNDATION PLAN
S1.2	TEMPLE LEVEL - 1 ROOF FRAMING PLAN
S1.3	TEMPLE LEVEL - 2 ROOF FRAMING PLAN
S1.4	TEMPLE LEVEL - 3 ROOF FRAMING PLAN
S2.0	FOUNDATION DETAILS -1
S2.1	FOUNDATION DETAILS - 1
S2.2	FRAMING DETAILS -1
S2.3	FRAMING DETAILS -2
S2.4	TYPICAL STEEL DETAILS
S2.5	TYPICAL STEEL DETAILS
ELECTRICAL MECHANICAL AND PLUMBING	
M1	SHEET TITLE
M2	MECHANICAL PLAN TEMPLE AND SERVICE PLAN
P1	PLUMBING PLAN, NOTES, SCHEDULE, DETAILS AND LEGEND
P2	HOT, COLD WATER, WASTE AND VENT, TEMPLE AND SERVICE BUILDING FLOOR PLAN
PT1	SITE LIGHTING
E1	TEMPLE AND SERVICE BUILDING, POWER, FLOOR PLAN, AND EXHAUST FAN WIRING DIAGRAM
E2	TEMPLE AND SERVICE BUILDING LIGHTING PLAN
E3	LIGHTING SITE PLAN, SCHEDULE, DETAILS, NOTES, SINGLE LINE DIAGRAM, AND CALCULATIONS
TITLE 24	
T1	TITLE 24
T2	TITLE 24
T3	TITLE 24
FIRE SPRINKLER PLANS	
FP1.0	FIRE SPRINKLER SITE PLANS
FP2.0	PIPING PLAN
FP3.0	SPRINKLER CALCULATIONS

Revisions:

Project
NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

File Date
JULY. 2024

Sheet Title
PROJECT INFORMATION

Reference North

Sheet Scale

Sheet Number
A0 of X

LEGEL DESCRIPTION

THE SOUTH 1/2 OF PARCEL 2 AS SHOWN ON THAT CERTAIN PARCEL MAP ENTITLED "PORTION OF WEST 1800 FEET SECTION 28, TOWNSHIP 8 NORTH, RANGE 8 EAST, MOUNT DIABLO BASE AND MERIDIAN", RECORDED IN BOOK 29 OF PARCEL MAPS, MAP NO. 39, RECORDS OF SAID COUNTY.

EXCEPTING THEREFROM ALL OIL AND GAS AND OTHER HYDROCARBON SUBSTANCES AND ALL MINERALS IN AND UNDER SAID LAND, BUT WITH NO RIGHT TO ENTER UPON THE SURFACE OF THAT PORTION OF THE LAND LYING ABOVE A DPETH OF 500 FEET FROM THE SURFACE THEREOF AS RESERVED BY GREAT WESTERN FINANCIAL CORPORATION, IN DEED RECORDED JUNE 30, 1978, IN BOOK 78-06-30 OF OFFICIAL RECORDS, AT PAGE 1747.

A.P.N. 067-0050-042

SURVEYOR'S STATEMENT

THIS DRAWING/EXHIBIT WAS PREPARED BY ME OR UNDER MY DIRECTION IN ACCORDANCE WITH SECTION 8761.1 OF THE PROFESSIONAL LAND SURVEYOR'S ACT.

GARY TIMOTHY WONG, P.L.S.5035 — DATE

BASIS OF BEARINGS

THE BASIS OF BEARINGS OF THE MAP IS BASED ON FOUND MONUMENTS ALONG EXCELSIOR ROAD WITH AN ASSUMED BEARING OF N00°22'29"E.

EASEMENT NOTES

(E-1) . . . 40' DRAINAGE EASEMENT PER 29 P.M. 39

(E-2) . . . 40' RIGHT OF WAY PER 29 P.M. 39

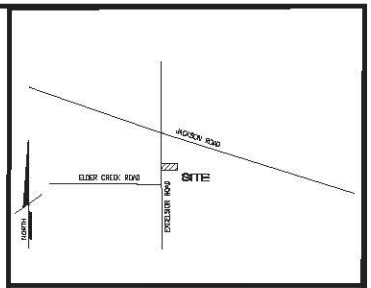
NOTES

1. THE TYPES , LOCATION, SIZES AND /OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS TOPOGRAPHIC SURVEY WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. IT IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UTILITIES). HOWEVER, THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES NOR FOR EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THIS PLAN.

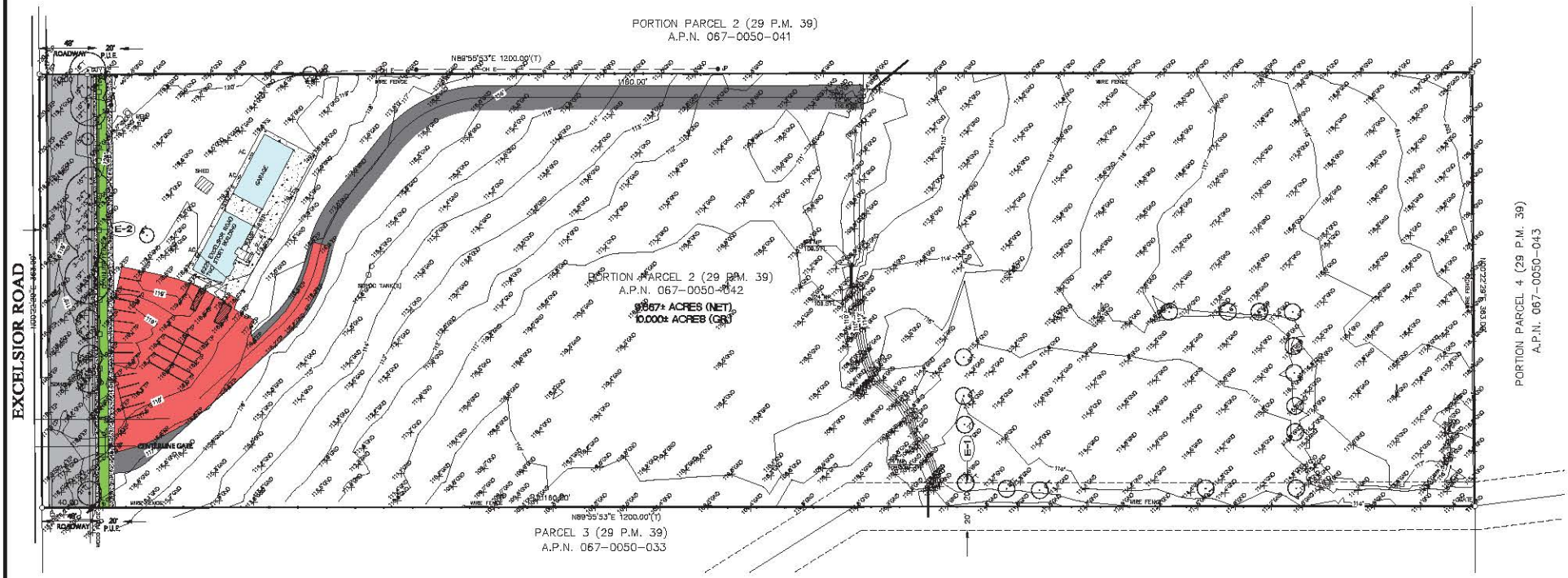
2. THIS SURVEY WAS PREPARED WITHOUT THE AID OF A PRELIMINARY TITLE REPORT. EASEMENTS OF RECORD MAY EXIST WHICH MAY AFFECT THE PROPERTY SHOWN ON THIS SURVEY.

LEGEND

A.P.N.	ASSESSOR'S PARCEL NUMBER
B.M.	BOOK OF MAPS
P.M.	PARCEL MAPS
OA	
	CHAINLINK FENCE
	WROUGHT IRON FENCE
	WOODEN FENCE
EP	EDGE OF PAVEMENT
GND	GROUND
FL	FLOWLINE
	INDICATES BUILDING
	INDICATES CONCRETE
TP	TOP OF PAVEMENT
SDMH	STORM DRAIN MANHOLE
XX"T	TRUNK SIZE OF TREE IN INCHES
OH E	OVERHEAD ELECTRICAL LINE
FS	FINISH SURFACE
JP	JOINT POLE
SP	SERVICE POLE
GUY	GUY WIRE
AC	AIR CONDITIONING UNIT



VICINITY MAP
NOT TO SCALE



BENCHMARK ELEVATION: 123.07NA(1988)
NGS BENCHMARK PID:AH0939

3/4" ALUMINUM ALLOY ROAD DRIVEN TO REFUSAL SET IN 6" DIAMETER PVC WELL CASING, 43.4 METERS WEST OF THE CENTERLINE OF AN ASPHALT DRIVEWAY AT ADDRESS 10769 JACKSON ROAD, 25.6 METERS SOUTHEAST OF JOINT POLE NO. UD036820 WITH A GUY WIRE.

WONG & ASSOCIATES
ENGINEERING * SURVEYING * LAND PLANNING
11344 COLOMA ROAD, SUITE 236A
GOLD RIVER, CALIFORNIA 95670
TEL: (916) 283-4800 FAX: (916) 283-4809

DESIGNED: N/A
DRAWN: TW
CHECKED: GTW
SUBMITTED: GARY TIMOTHY WONG P.L.S. 5035
SCALE: 1" = 40'

LICENSED LAND SURVEYOR GARY TIMOTHY WONG No. 5035 Expires 12-31-23 STATE OF CALIFORNIA

NO	DATE	REVISION	BY

20' ENTRY ROAD
OF
6225 EXCELSIOR ROAD
A.P.N. 067-0050-042

SACRAMENTO COUNTY OF SACRAMENTO STATE OF CALIFORNIA

DATE: 06-02-2022
SHEET 1 OF 1
JOB NO. 2022-047

IU-MIEN- BUDDHIST TEMPLE

6225 EXCELSIOR RD, SACRAMENTO , CA, 95829
APN NO. 067-0050-033



PROJECT SITE

ADDITIONAL INFO.

UPON CONSTRUCTION OF TEMPLE AND SERVICE BUILDING THE ONLY REMAINING BUILDING TO BE EXISTING RESIDENCE IN THE FRONT OF THE PROPERTY ALL OTHER ARE TEMPORARY STRUCTURES AND TO BE REMOVED

THE EXISTING BUILDING CURRENTLY USED AS RESIDENT ONLY FOR CURRENT OCCUPANTS.

a.	Number of current visitors per weekday	= 3-5 GUEST
b.	Number of current visitors on each weekend day	= 5-10 GUEST
c.	Are there prescribed times of gatherings or do people mostly come and go throughout the day?	N/A
i.	If so what are the times and how many people attend?	N/A
d.	Will they be holding special events and how many people do they expect to attend for the largest one?	N/A
e.	What will be the use of the existing building when the new TEMPLE is built?	RESIDENCE
f.	number of employees	2-3 PEOPLE CURRENTLY, AFTER COMPLETION OF THE TEMPLE IT WILL BE USED AS STORAGE S-1

PROJECT DATA

PROJECT NAME : IU-MIEN BUDDHIST TEMPLE
PROJECT ADDRESS : 6225 EXCELSIOR RD. , SACRAMENTO , CA, 95829
APN : 067-0050-033
LAND AREA APPR. : 10 ACRES
CURRENT ZONING : AG-RES
PROPOSED ZONING : AG-RES
PROPOSED SCOPE OF WORK : TO CONSTRUCT A NEW TEMPLE & SERVICE BUILDING + PARKING AREA, NEW WATER WELL AND DISPOSAL SYSTEM TO BE INSTALLED.
ACCESS TO BE FROM EXISTING COUNTY ROAD
EXISTING RESIDENCE TO REMAIN AS IS

AREAS OF TEMPLE

TOTAL PROPOSED = 4,816 SF
PRAY AREA = 4,426 FS
STORAGE AREA 1 = 195 SF
STORAGE AREA 2 = 195 SF

AREAS OF SERVICE BUILDING

TOILET AREA = 622 SF
SHOER AREA = 759 FS

OWNERS

FOUSIO SAELEE AND MINDY IAN CZEUW
TEL : 916-519-2660 AND 916-718-1075
MAILING ADDRESS :
6225 EXCELSIOR RD , SACRAMENTO, CA 95829
CONTACT : SHAWN JHEO
TEL 916-548-4383
E-MAIL stj103273@gmail.com

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CONSULTANT

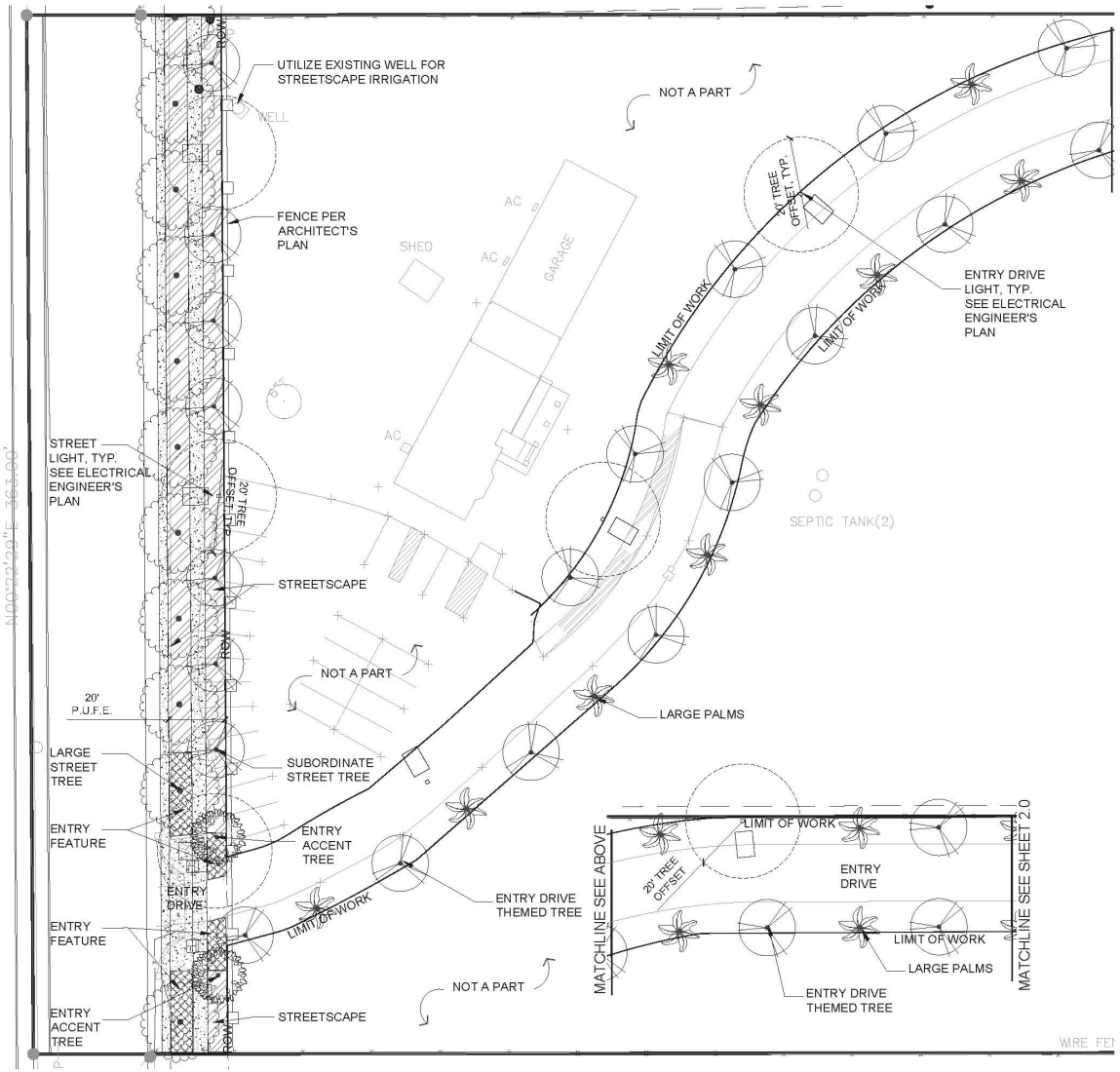
REVISIONS
1
2
3

PROJECT NAME: IU-MIEN BUDDHIST TEMPLE
ADDRESS:

DRAWING TITLE: COVER SHEET

DATE :
DRAWN BY: BARNALI

SHEET NO.
CS



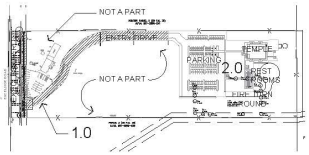
PROJECT SITE



VICINITY MAP
nts

CONCEPT PLANT SCHEDULE

LARGE STREET TREE Acer saccharinum / Silver Maple Quercus coccinea / Scarlet Oak Quercus wislizeni / Interior Live Oak Ulmus wilsoniana 'Prospector' / Prospector Elm Zelkova serrata 'Green Vase' / Green Vase Japanese Zelkova	11
SUBORDINATE STREET TREE Crataegus laevigata 'Paul's Scarlet' / Paul's Scarlet English Hawthorn Juniperus chinensis 'Torulosa' / Hollywood Juniper Pyrus calleryana 'Chanticleer' / Chanticleer Callery Pear	7
ENTRY ACCENT TREES Albizia julibrissin / Silk Tree Arbutus x 'Marina' / Marina Strawberry Tree Multi-Trunk Eriobotrya deflexa / Bronze Loquat Multi-Trunk Magnolia x soulangeana / Saucer Magnolia Multi-Trunk	2
ENTRY DRIVE Prunus cerasifera 'Thundercloud' / Thundercloud Purple-leaf Plum Prunus serrulata 'Kwanzan' / Kwanzan Japanese Flowering Cherry Quercus wislizeni / Interior Live Oak	21
LARGE PALMS Phoenix canariensis / Canary Island Date Palm Phoenix dactylifera / Date Palm Syagrus romanzoffiana / Queen Palm Trachycarpus fortunei / Windmill Palm Washingtonia filifera / California Fan Palm Washingtonia robusta / Mexican Fan Palm	20
ENTRY FEATURE Achillea millefolium / Common Yarrow Erigeron karvinskianus / Santa Barbara Daisy Gazania sp. Mixed / Gazania Hemerocallis x / Hybrid Daylily Nandina domestica 'Nana Purpurea' / Dwarf Purple Heavenly Bamboo Trachelospermum asiaticum 'Tricolor' / Dwarf Tricolor Asiatic Jasmine Vinca minor 'Bowles' / Bowles Periwinkle	1,152 sf
STREETSCAPE Callistemon viminalis 'Little John' / Little John Weeping Bottlebrush Ceanothus griseus horizontalis / Carmel Creeper Cotoneaster dammeri / Bearberry Cotoneaster Myoporum parvifolium / Trailing Myoporum Rhaphiolepis umbellata 'Minor' / Dwarf Yedda Hawthorn Rosmarinus officinalis / Rosemary	13,710 sf



KEY MAP
nts

WATER USE NOTES

LANDSCAPE IRRIGATION IS FROM AN EXISTING WELL AND THEREFORE EXEMPT FROM MWELO.

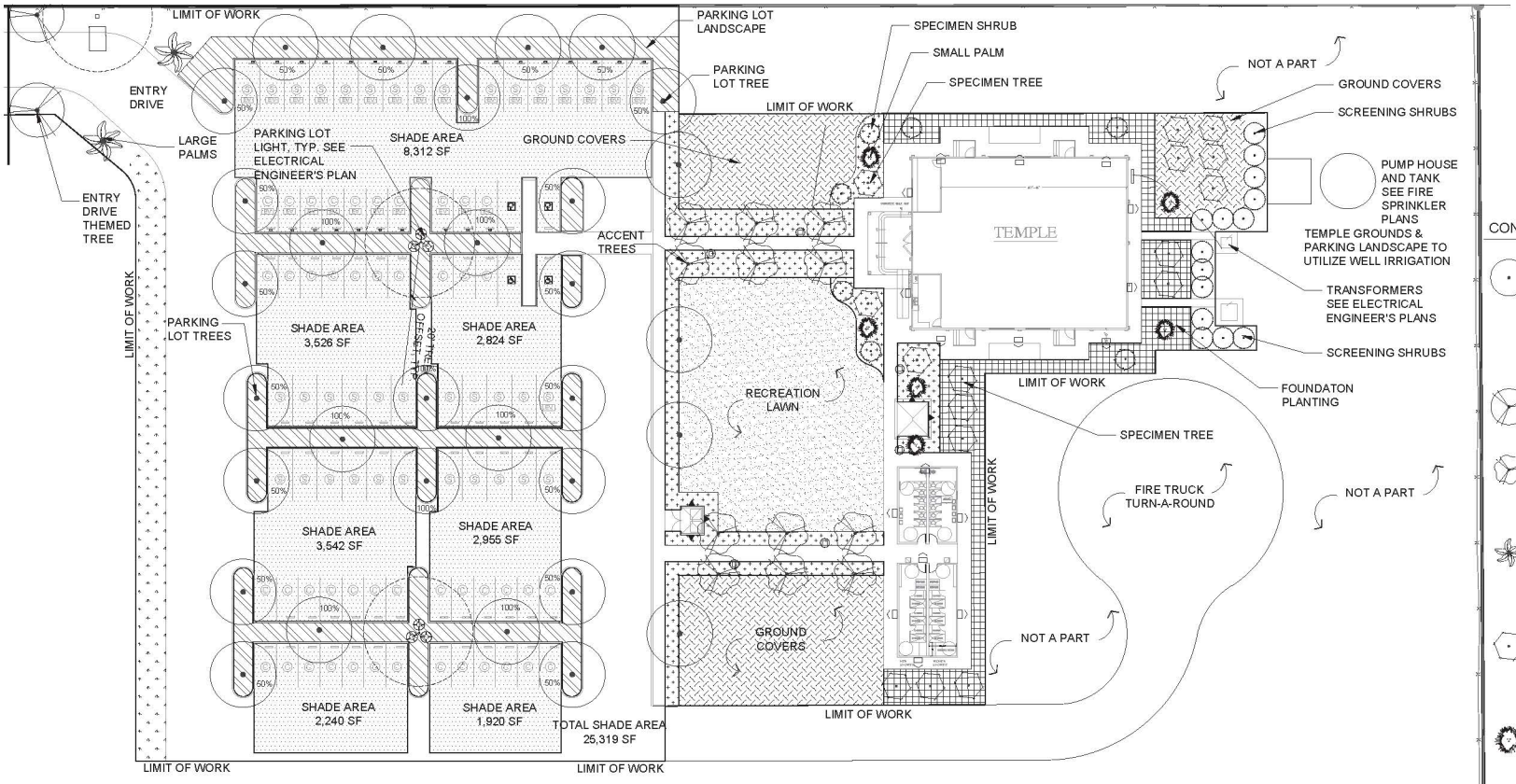
STUDIO C
LANDSCAPE ARCHITECTURE & PLANNING
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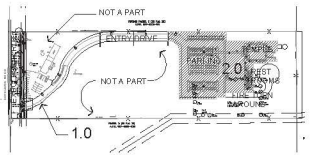
PRELIMINARY LANDSCAPE PLAN
FOR DESIGN REVIEW
6225 EXCELSIOR ROAD
SACRAMENTO, CALIFORNIA

PRELIMINARY LANDSCAPE PLAN
0 30 60 90 feet
SCALE: 1" = 30'

IU-Mein Temple
6225 Excelsior Road
Sacramento, CA

PROJECT #: SC428
DATE: March 2025
EXHIBIT: 1.0





KEY MAP
nts

CONCEPT PLANT SCHEDULE

PARKING LOT TREE — 45
Acer rubrum / Red Maple
Acer stachyophyllum / Chinese Maple
Cinnamomum camphora / Camphor Tree
Elaeocarpus decipiens / Japanese Blueberry Tree
Ginkgo biloba / Maidenhair Tree
Nyssa sylvatica / Tupelo
Pistacia chinensis / Chinese Pistache
Quercus suber / Cork Oak
Quercus virginiana / Southern Live Oak

ENTRY DRIVE — 21
Prunus cerasifera 'Thundercloud' / Thundercloud Purple-leaf Plum
Prunus serrulata 'Kwanzan' / Kwanzan Japanese Flowering Cherry
Quercus wislizeni / Interior Live Oak

ORNAMENTAL TREES — 12
Acer palmatum 'Sango-kaku' / Coral Bark Japanese Maple
Eriobotrya deflexa / Bronze Loquat
Lagerstroemia indica 'Dynamite' / Dynamite Crape Myrtle
Prunus serrulata 'Kanzan' / Kanzan Japanese Flowering Cherry
Rhaphiolepis 'Majestic Beauty' / Magestic Beauty Indian Hawthorn

LARGE PALMS — 20
Phoenix canariensis / Canary Island Date Palm
Phoenix dactylifera / Date Palm
Syagrus romanzoffiana / Queen Palm
Trachycarpus fortunei / Windmill Palm
Washingtonia filifera / California Fan Palm
Washingtonia robusta / Mexican Fan Palm

SPECIMEN TREES — 4
Chamaecyparis nootkatensis 'Pendula' / Weeping Nootka Cypress
Cotinus coggygria / Smoke Tree
Cryptomeria japonica 'Black Dragon' / Black Dragon Japanese Cedar
Pinus densiflora 'Pendula' / Weeping Japanese Red Pine
Pinus thunbergii 'Thunderhead' / Thunderhead Japanese Black Pine
Prunus x yedoensis 'Cascade Snow' / Cascade Snow Cherry

SMALL PALMS — 4
Cordyline australis / Grass Palm
Cycas revoluta / Sago Palm
Phoenix roebelenii / Pygmy Date Palm Multi-Trunk

SCREENING SHRUBS — 10
Cotoneaster parneyi / Cotoneaster
Cupressus sempervirens 'Monshel' / Tiny Tower® Italian Cypress
Euonymus japonicus 'Silver King' / Silver King Euonymus Espalier
Photinia x fraseri 'Red Robin' / Red Robin Photinia
Prunus carolniana 'Monus' / Bright 'N Tight Carolina Cherry Laurel
Rhaphiolepis indica 'Clara' / Clara Indian Hawthorn
Xylosma congesta / Shiny Xylosma

VINES — 6
Cissus antarctica / Kangaroo Vine
Ficus pumila / Creeping Fig
Hardenbergia violacea / Lilac Vine
Macfadyena unguis-cati / Cat's Claw Creeper

SPECIMEN SHRUBS — 4
Cercis occidentalis / Western Redbud Multi-trunk
Chamaecyparis obtusa 'Fernspray Gold' / Fernspray Gold Hinoki False Cypress
Chamaecyparis thyoides 'Red Star' / Red Star Atlantic White Cypress
Corylus avellana 'Contorta' / Contorted Filbert
Hamamelis x intermedia / Witch Hazel

WATER USE NOTES

LANDSCAPE IRRIGATION IS FROM AN EXISTING WELL AND THERFORE EXEMPT FROM MWELO.

PARKING LOT LANDSCAPE — 7,120 sf
Berberis thunbergii 'Crimson Pygmy' / Crimson Pygmy Japanese Barberry
Callistemon citrinus / Lemon Bottlebrush Shrub
Convolvulus cneorum / Bush Morning Glory
Cotoneaster dammeri / Bearberry Cotoneaster
Penstemon heterophyllus 'Blue Bedder' / Blue Bedder Penstemon
Rosmarinus officinalis / Rosemary

RECREATIONAL LAWN — 6,626 sf
Turfhydroseed Turf seed 90% Fesue/10% Kentucky Bluegrass

FOUNDATION PLANTING — 3,543 sf
Azalea x 'Phoenicia' / Phoenicia Southern Indica Azalea
Berberis thunbergii 'Bagatelle' / Bagatelle Japanese Barberry
Buddleja x 'SMNSDB' / Pugster Pinker® Butterfly Bush
Convolvulus cneorum / Bush Morning Glory
Deutzia gracilis / Slender Deutzia
Hydrangea paniculata 'Limelight' / Limelight Panicle Hydrangea
Penstemon heterophyllus 'Margarita BOP' / Margarita BOP Penstemon
Spiraea nipponica 'Snowmound' / Snowmound Spirea

ACCENT PLANTING — 4,642 sf
Achillea millefolium / Common Yarrow
Buddleja alternifolia / Fountain Butterfly Bush
Hibiscus x 'Evening Rose' / Summerific® Evening Rose Hibiscus
Lavandula angustifolia 'Hidcote Blue' / Hidcote Blue English Lavender
Lavandula stoechas 'Madrid Lavish Purple' / Madrid Purple Spanish Lavender
Pieris japonica 'Valley Valentine' / Valley Valentine Japanese Pieris
Pinus densiflora 'Jane' / Dwarf White Pine

GROUND COVERS — 6,064 sf
Arctostaphylos x 'Emerald Carpet' / Emerald Carpet Manzanita
Baccharis pilularis / Coyote Brush
Ceanothus gloriosus / Point Reyes Ceanothus
Cotoneaster dammeri / Bearberry Cotoneaster
Lippia nodiflora 'Kurapia 51' / Kurapia®
Myoporum parvifolium / Trailing Myoporum
Rosmarinus officinalis / Rosemary

BIO-FILTRATION/DETENTION/RETENTION — 2,216 sf
California Native Biofiltration

SACRAMENTO COUNTY SHADE TABLE
30-35 FT DIAMETER TREES

TREE NAME	100% = 962 SF			75% = 721 SF			50% = 481 SF			25% = 240 SF		
	TREES	VALUE	TOTAL	TREES	VALUE	TOTAL	TREES	VALUE	TOTAL	TREES	VALUE	TOTAL
Tree per Planting Schedule	0	x 962	8,658	x 0	721	-	18	481	8,658	x 0	240	x 0
TOTALS			8,658			-			8,658			-

TOTAL SHADE AREA VALUE	17,316
TOTAL PARKING AREA	25,319
PERCENT SHADE PROVIDED:	68%

40' DRAINAGE EASEMENT

GATE

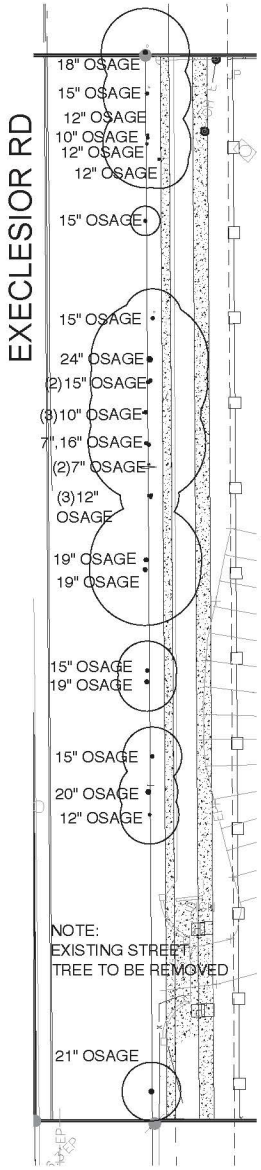
PRELIMINARY LANDSCAPE PLAN
FOR DESIGN REVIEW
6225 EXCELSIOR ROAD
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PRELIMINARY LANDSCAPE PLAN
0 30 60 90 feet
SCALE: 1" = 30'

IU-Mein Temple
6225 Excelsior Road
Sacramento, CA

PROJECT #: SC428
DATE: March 2025
EXHIBIT: 2.0

STUDIO C
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TREE PRESERVATION NOTES

AL NATIVE OAK TREES 6 INCHES DBH OR LARGER ON THE PROJECT SITE EXCEPT THOSE SPECIFICALLY APPROVED FOR REMOVAL, ALL PORTIONS OF ADJACENT OFF-SITE OAK TREES WHICH HAVE DRIPLINES THAT EXTEND OVER THE PROJECT SITE, AND ALL OFF-SITE OAK TREES WHICH MAY BE IMPACTED BY UTILITY INSTALLATION AND/OR IMPROVEMENTS ASSOCIATED WITH THIS PROJECT, SHALL BE PRESERVED AND PROTECTED AS FOLLOWS:

1. A CIRCLE WITH A RADIUS MEASUREMENTS FROM THE TRUNK OF THE TREE TO THE TIP OF ITS LONGEST LIMB SHALL CONSTITUTE THE DRIPLINE PROTECTION AREA OF EACH TREE. LIMBS MUST NOT BE CUT BACK IN ORDER TO CHANGE THE DRIPLINE. THE AREA BENEATH THE DRIPLINE IS A CRITICAL PORTION OF THE ROOT ZONE AND DEFINES THE MINIMUM PROTECTED AREA OF EACH TREE. REMOVING LIMBS WHICH MAKE UP THE DRIPLINE DOES NOT CHANGE THE PROTECTED AREA.

2. TEMPORARY PROTECTIVE FENCING SHALL BE INSTALLED AT LEAST ONE FOOT OUTSIDE THE DRIPLINES OF THE OAK TREES PRIOR TO INITIATING CONSTRUCTION IN ORDER TO AVOID DAMAGE TO THE TREE CANOPIES AND ROOT SYSTEMS.

3. ANY OAK TREES ON THE SITE THAT REQUIRE PRUNING SHALL BE PRUNED BY A CERTIFIED ARBORIST PRIOR TO THE START OF CONSTRUCTION WORK. ALL PRUNING SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300 PRUNING STANDARDS AND INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) "TREE PRUNING GUIDELINES".

4. NO VEHICLES, CONSTRUCTION EQUIPMENT, MOBILE HOME/OFF, SUPPLIES, MATERIALS OR FACILITIES SHALL BE DRIVEN , PARKED, STOCKPILED OR LOCATED WITHIN THE DRIPLINES OF OAK TREES.

5. NO SIGNS, ROPES, CABLES (EXCEPT THOSE WHICH MAY BE INSTALLED BY A CERTIFIED ARBORIST TO PROVIDE LIMB SUPPORT) OR ANY OTHER ITEMS SHALL BE ATTACHED TO THE OAK TREES. SMALL METALLIC NUMBERING TAGS FOR THE PURPOSE OF PREPARING TREE REPORTS AND INVENTORIES SHALL BE ALLOWED.

6. NO GRADING (GRADE CUTS OR FILLS) SHALL BE ALLOWED WITHIN THE DRIPLINES OF THE OAK TREES. IF IT IS ABSOLUTELY NECESSARY TO EXCAVATE WITHIN THE DRIPLINES OF AN OAK, THE EXCAVATION SHALL BE DONE UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.

7. DRAINAGE PATTERNS ON THE SITE SHALL NOT BE MODIFIED SO THAT THE WATER COLLECTS OR STANDS WITHIN THE DRIPLINES OF AN OAK TREE. IF IT IS ABSOLUTELY NECESSARY TO INSTALL UNDERGROUND UTILITIES WITHIN THE DRIPLINE OF AN OAK TREE THE UTILITY LINE SHALL BE BORED AND JACKED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.

8. NO TRENCHING SHALL BE ALLOWED WITHIN THE DRIPLINES OAK TREES. IF IT IS ABSOLUTELY NECESSARY TO INSTALL UNDERGROUND UTILITIES WITHIN THE DRIPLINE OF AN OAK TREE, THE UTILITY LINE SHALL BE BORED AND JACKED UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.

9. THE CONSTRUCTION OF IMPERVIOUS SURFACES WITHIN THE DRIPLINES OF OAK TREES BE STRINGENTLY MINIMIZED.

10. NO SPRINKLER OR IRRIGATION SHALL BE INSTALLED IN SUCH A MANNER THAT SPRAYS WATER OR REQUIRES TRENCHING WITHIN THE DRIPLINES OF OAK TREES. AN ABOVE GROUND DRIP IRRIGATION SYSTEM IS RECOMMENDED.

11. LANDSCAPING BENEATH OAK TREES MAY INCLUDE NON-PLANT MATERIALS SUCH AS BARK MULCH, WOOD CHIPS, BOULDERS, ETC. THE ONLY PLANT SPECIES WHICH SHALL BE PLANTED WITHIN THE DRIPLINES OF OAK TREES ARE THOSE WHICH ARE TOLERANT OF THE NATURAL SEMI-ARID ENVIRONS OF THE TREES. LIMITED DRIP IRRIGATION APPROXIMATELY TWICE PER SUMMER IS RECOMMENDED FOR THE UNDERSTORY PLANTS.

TREE REMOVAL NOTES

TREES SHOWN TO BE REMOVED FOR THE FOLLOWING REASONS:

1. POOR HEALTH CONDITIONS AND/OR A HAZARAD
2. DUE TO CONSTRUCTION
3. OAK TREES TO BE MITIGAED FOR PER SACRAMENTO COUNTY STANDARDS

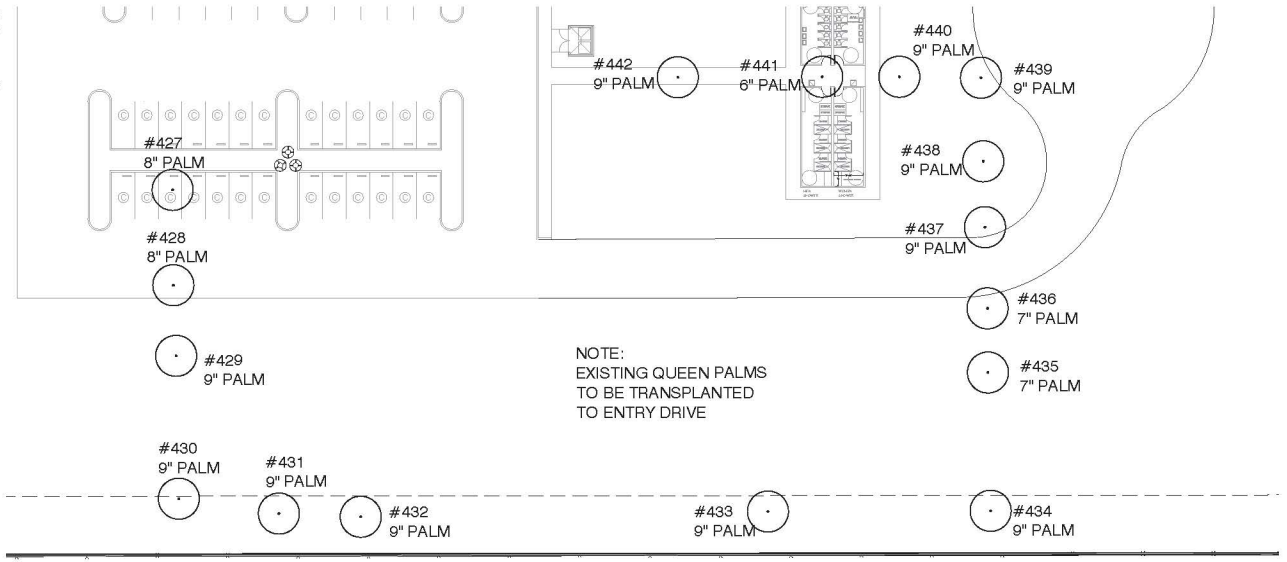


Exhibit A - Tree Identification

Tree #	Botanical Name	Common Name	dbh (") (1) (3)	DL (r in ft) (2)	Bare Trunk Ht. in Ft.	Structure Rating	Vigor Rating	Condition Rating	Protected Tree (4)
426	Syagrus romanofficiana	Queen Palm	6	6	4	3	3	3	no
427	Syagrus romanofficiana	Queen Palm	8	6	8	3	3	3	no
428	Syagrus romanofficiana	Queen Palm	10	6	6	3	3	3	no
429	Syagrus romanofficiana	Queen Palm	8	6	8	3	3	3	no
430	Syagrus romanofficiana	Queen Palm	8	6	8	3	3	3	no
431	Syagrus romanofficiana	Queen Palm	10	6	10	3	3	3	no
432	Syagrus romanofficiana	Queen Palm	10	6	8	3	3	3	no
433	Syagrus romanofficiana	Queen Palm	8	6	10	3	3	3	no
434	Syagrus romanofficiana	Queen Palm	10	6	10	3	3	3	no
435	Syagrus romanofficiana	Queen Palm	7	6	8	1	2	1.5	no
436	Syagrus romanofficiana	Queen Palm	8	6	8	3	3	5	no
437	Syagrus romanofficiana	Queen Palm	8	6	6	3	3	5	no
438	Syagrus romanofficiana	Queen Palm	9	6	8	3	3	5	no
439	Syagrus romanofficiana	Queen Palm	9	6	10	3	3	5	no
440	Syagrus romanofficiana	Queen Palm	9	6	10	3	3	5	no
441	Syagrus romanofficiana	Queen Palm	6	6	8	3	3	5	no
442	Syagrus romanofficiana	Queen Palm	8	6	8	3	3	5	no
443	Quercus lobata	Valley Oak	7	10	---	2	3	2.5	yes
444	Juglans hindsii	Black Walnut	12	12	---	1	1	1	yes
A	Ornamental shrubs	shrubs	---	---	---	---	---	---	---
B	Acer saccharinum	Silver Maple	10	15	---	---	---	---	---
C	Albizia julibrissin	Mimosa	8	15	---	---	---	---	---
D	Pyrus gen.	Evergreen Pear	6	8	---	---	---	---	---
E	Pyrus gen.	Evergreen Pear	10	10	---	---	---	---	---
F	Pyrus gen.	Evergreen Pear	4	6	---	---	---	---	---
G	Albizia julibrissin	Mimosa	10	12	---	---	---	---	---
H	Pyrus gen.	Evergreen Pear	10	10	---	---	---	---	---
I	Sequoia sempervirens	Redwood	18-24	12	---	---	---	---	---
L	Morus alba	Mulberry	12	15	---	---	---	---	---
K	Acer saccharinum	Silver Maple	3	5	---	---	---	---	---
L	Maclura pomifera	Osage	3-24	3-20	---	---	---	---	---
M	Mixed Fruit Trees	Fruit	1-12	---	---	---	---	---	---

(1) dbh is estimated and rounded by circumference method.

(2) Dripline are irregular due to forest crowding and subordiate growth. DL is est. Subject property has intermixed tree crowns

(3) (-) (-) (-) indicates there are separate trees in the grouping

(4) trees which are off-site are shown as protected, however, the property owner has no authroity to affect these trees

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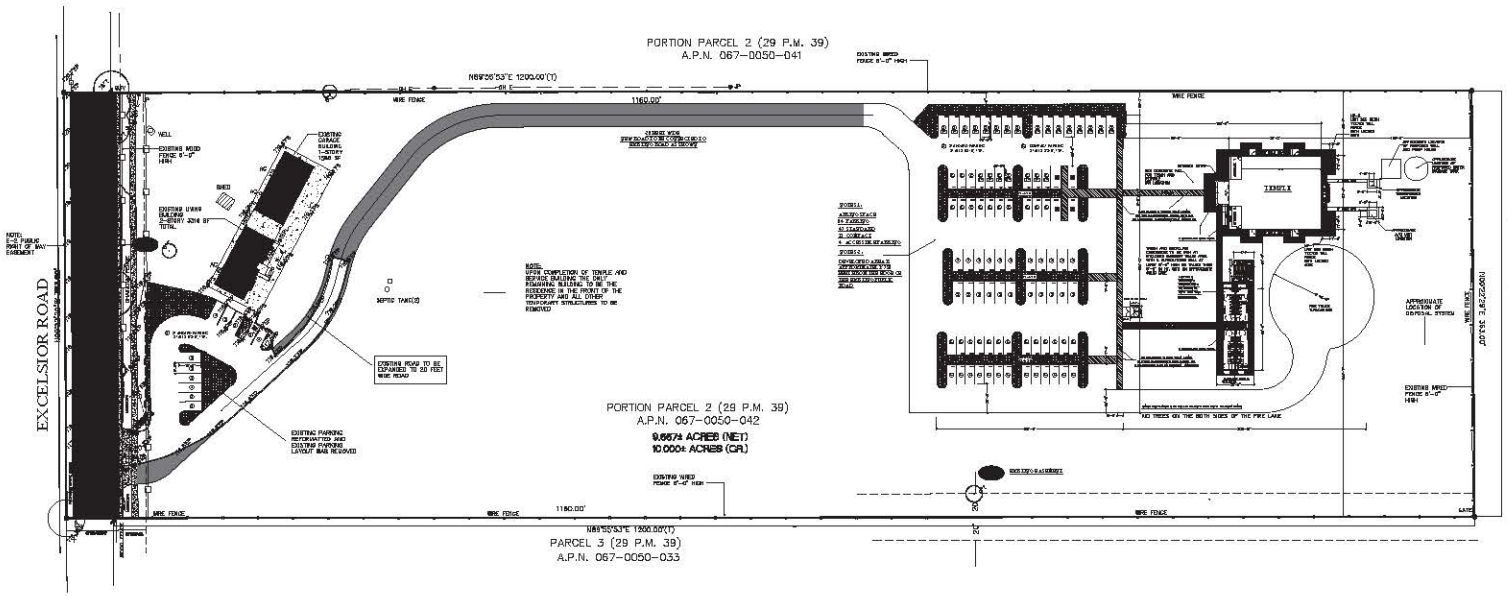
TREE REMOVAL PLAN

FOR DESIGN REVIEW
6225 EXCELSIOR ROAD
SACRAMENTO, CALIFORNIA

TREE REMOVAL PLAN
0 20 40 60 feet
SCALE: 1" = 20'

IU-Mein Temple
6225 Excelsior Road
Sacramento, CA

PROJECT #: SC428
DATE: March 2025
EXHIBIT: 3.0



SITE PLAN
SCALE: 1"=50'-0"

AREAS OF TEMPLE

TOTAL PROPOSED = 4,816 SF
PRAY AREA = 4,426 FS
STORAGE AREA 1 = 195 SF
STORAGE AREA 2 = 195 SF

PARKING REQUIREMENT 1 PARKING PER 50 SF OF PRAY AREA
4,426 SF / 50 = 88 PARKING SPACES

AREAS OF SERVICE BUILDING

TOILET AREA	= 622 SF
SHOWER AREA	= 759 FS
SERVICE BUILDING TOTAL AREA	= 1381 FS

OCCUPANCY

OCCUPANTS LOAD 7SF PER PERSON = 571 PERSONS
TOILET REQUIREMENT (MALE 4 , FEMALE 7 UNITS)
WE ADD 3 EXTRA TOILET IN MALE SECTION INSTEAD OF UNIRA

NOTES 2 :

ANY EXISTING TREE IN THE WAY OF PROPOSED BUILDINGS OR ROADS , PAVEMENT SHALL BE REMOVED , PLEASE REFER TO LANDSCAPE PLAN L1 FOR TREES TO BE REMOVED.

NOTES 1:

PARKING SPACE

88 PARKING TOTAL REQUIRED CONSISTED OF:

38 STANDARD
46 COMPACT
4 ACCESSIBLE PARKING
26 EV PARKING

NOTES 2 :

DEVELOPED AREA IS APPROXIMATELY 750 FEET FROM THE EDGE OF THE EXISTING PUBLIC ROAD

NOTES 3 :

THESE BUILDINGS TO BE SERVED BY A FUTURE NEW WATER WELL AND DISPOSAL SYSTEM , THE SIZE AND LOCATION TO BE DECIDED BY CIVIL ENGINEER
A TEMPORARY LOCATION IS INDICATED ON THE SITE PLAN

NOTES 4 :

ALL PLANTER TO BE MINIMUM 9' WIDE INCLUDING CURB WIDTH OF MINIMUM 40 SF ENCLOSE BY 6" HIGH AND 6" WIDE CONC. CURBS ALL AROUND

NOTES 5 :

EV PARKING

76-100 PARKING REQUIRED 26 EV PARKING SPACE (SEE REV PARKING LAYOUT)

NOTES 6 :

BIKE PARKING

PER TABLE 5.29 NUMBER OF BIKE PARKING ARE :
FOR LONG TERM - FOR EVERY 30 CAR PARKING 2 BIKE PARKING ARE REQUIRED
TOTAL PROVIDED ARE 6 SEE B1
FOR SHORT TERM 1 BIKE REQUIRED FOR EVERY 60 CAR PARKING TOTAL PARKING PROVIDED ARE 3 SEE B2

NOTES

Revisions

Project
NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

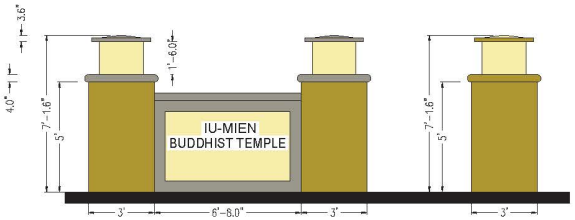
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JULY. 2024

Sheet Title
SITE LAYOUT PLAN

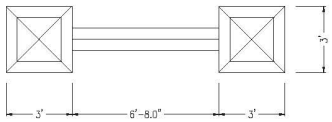
Reference North

Sheet Scale

Sheet Number
A0.1



SIGNAGE ELEVATIONS
SCALE 1/2"=1'



SIGNAGE PLAN
SCALE 1/2"=1'

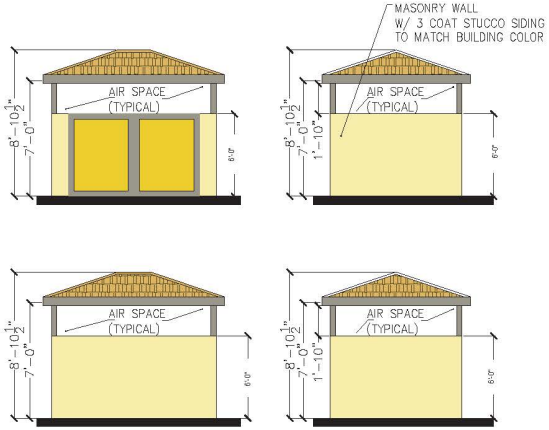
Global Industrial™ Outdoor Diamond Steel Trash Can With Flat Lid, 36 Gallon, Black

OUTDOOR COMMERCIAL TRASH BIN
NTS

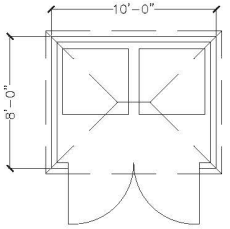


NOTE:–
FOR EXTRA DETAIL PLEASE S
GLOBAL INDUSTRIAL WEBSITE

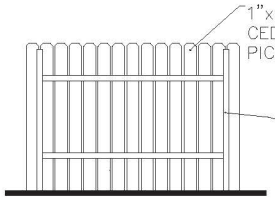
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Depth	23-1/2 in	Opening	11-1/4" Dia.
Height	30 in	Capacity	36 gal
Thickness	1/8 in	Lid Type	Flat Lid
Type	Diamond Trash Can	Material	Steel
Liner Material	Plastic	Brand	Global Industrial
Color	Black		



RECYCLE BUILDING ELEVATIONS
SCALE 3/8"=1'



RECYCLE BUILDING PLAN
SCALE 3/8"=1'



WOOD FENCE DETAILS
NTS

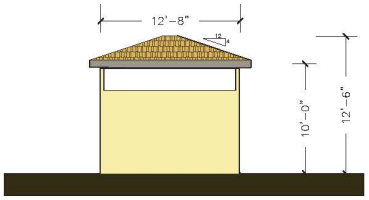


LONG TERM BICYLE PARKING EACH HOLDS 2
TOTAL OF 3 REQUIRED FOR 6 LONG TERM PARKING

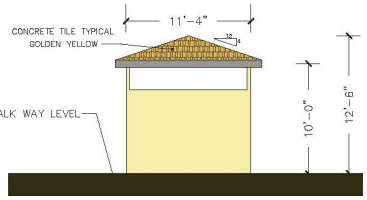


SHORT TERM PARKING TOTAL OF 3 BICYLE PARKING

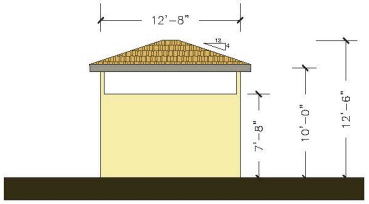
BICYLE PARKING LONG AND SHORT TERM



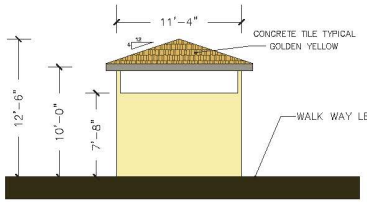
BIKE PARKING WEST ELEVATION
SCALE 1/4"=1'



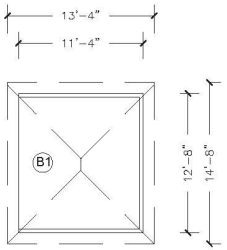
BIKE PARKING SOUTH ELEVATION
SCALE 1/4"=1'



BIKE PARKING EAST ELEVATION
SCALE 1/4"=1'



BIKE PARKING NORTH ELEVATION
SCALE 1/4"=1'

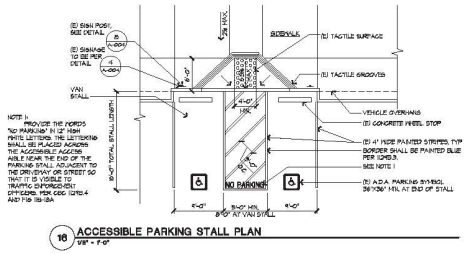


BIKE PARKING - LONG TERM PLAN
SCALE 1/4"=1'

NOTE:–
MATERIAL AND COLOR OF :
NEW SIGN
NEW TRASH ENCLOSURE
NEW BIKE ENCLOSURE

TO BE THE SAME AS
MATERIAL AND COLOR FOR THE
MAIN BUILDING

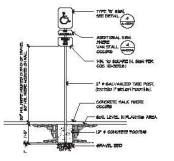
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16 ACCESSIBLE PARKING STALL PLAN
1/8" = 1'-0"



4 ACCESSIBILITY SIGNAGE



8 ACCESSIBLE PARKING SIGN POST

BICYLE PARKING LONG AND SHORT TERM

CONSULTANT

REVISIONS
4 12-06-2023

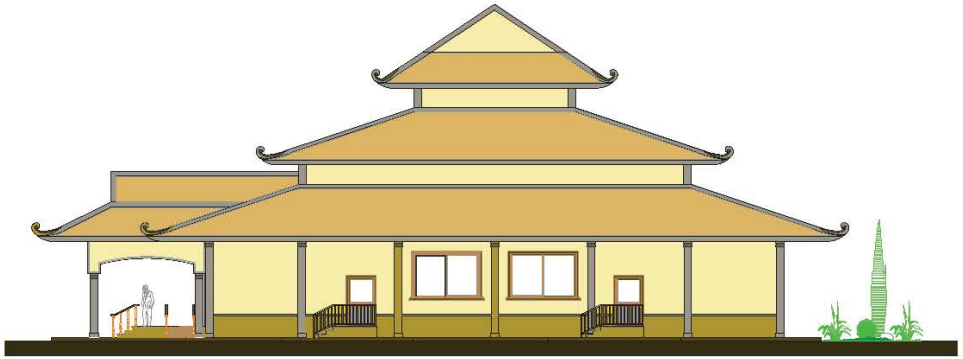
PROJECT NAME
IU-MIEN BUDDHIST TEMPLE

ADDRESS :

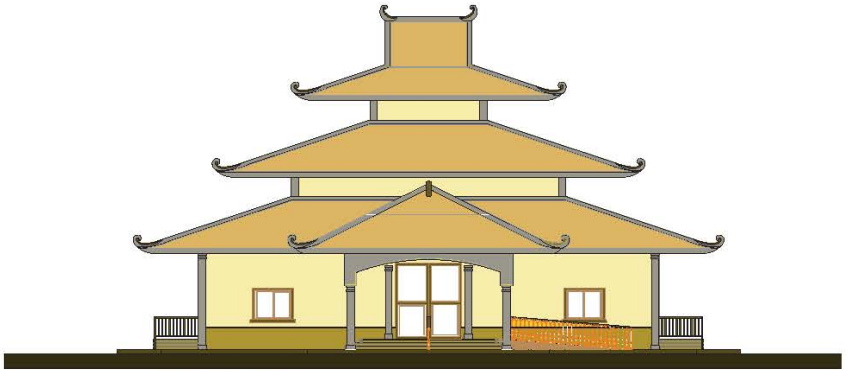
DRAWING TITLE
SITE PLAN DETAILS

DATE : 12-06-2023
DRAWN BY: BASHAR
SHEET NO.
A0.2

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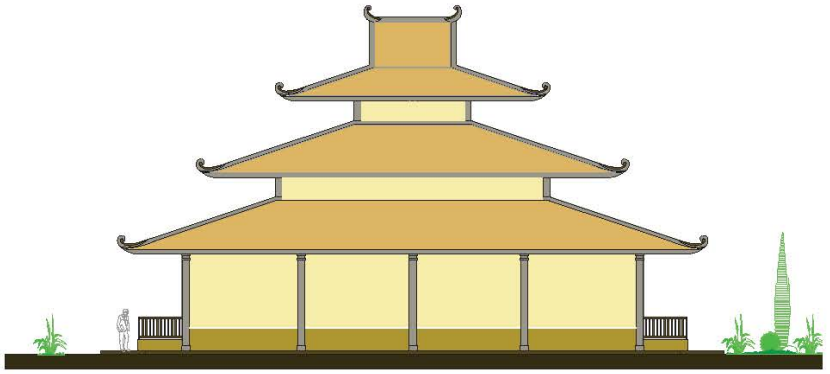
SOUTH ELEVATION
SCALE 1/8"=1'



WEST ELEVATION
SCALE 1/8"=1'



NORTH ELEVATION
SCALE 1/8"=1'



EAST ELEVATION
SCALE 1/8"=1'

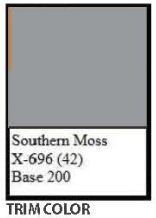
NOTE :
FOR BODY COLOR SEE COLOR BOARD - CHABLIS
FOR TRIM COLOR SEE COLOR BOARD - SOUTHERN MOSS
FOR ROOF SEE COLOR BOARD - CONCRETE TILE ROOF BY BORAL ROOFING



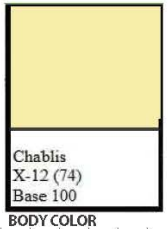
SYNTHETIC SPANISH ROOF TILES



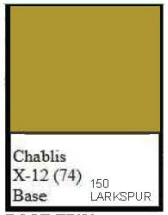
SYNTHETIC SPANISH ROOF TILES



TRIM COLOR



BODY COLOR



BASE TRIM

CONSULTANT

REVISIONS
1 05-16-2023
2 12-06-2023

PROJECT NAME
IU-MIEN BUDDHIST TEMPLE

ADDRESS:

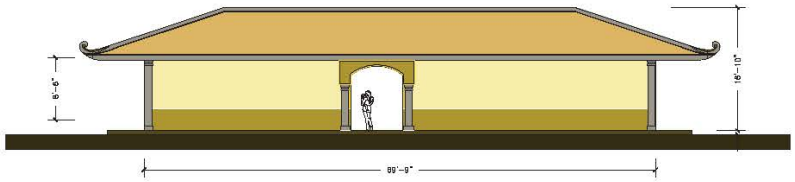
DRAWING TITLE
COLORED ELEVATIONS

DATE: 12-06-2023

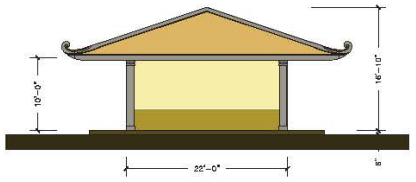
DRAWN BY:
ARUN K. BISSAR

SHEET NO.
A0.3

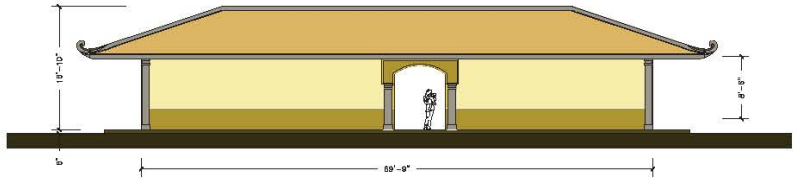
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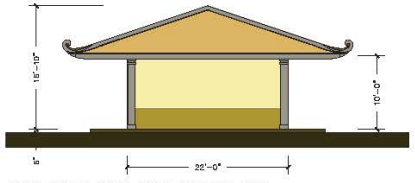
SERVICE BUILDING WEST ELEVATION
SCALE 1/8"=1'



SERVICE BUILDING SOUTH ELEVATION
SCALE 1/8"=1'



SERVICE BUILDING EAST ELEVATION
SCALE 1/8"=1'



SERVICE BUILDING NORTH ELEVATION
SCALE 1/8"=1'

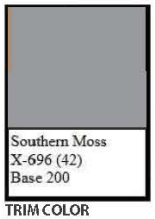
NOTE :
FOR BODY COLOR SEE COLOR BOARD - CHABLIS
FOR TRIM COLOR SEE COLOR BOARD - SOUTHERN MOSS
FOR ROOF SEE COLOR BOARD - CONCRETE TILE ROOF BY BORAL ROOFING



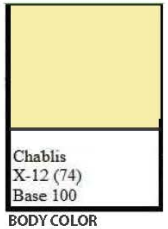
SYNTHETIC SPANISH
ROOF TILES



SYNTHETIC SPANISH
ROOF TILES



TRIM COLOR



BODY COLOR



BASE TRIM

CONSULTANT

REVISIONS
1 05-16-2023
2 12-06-2023

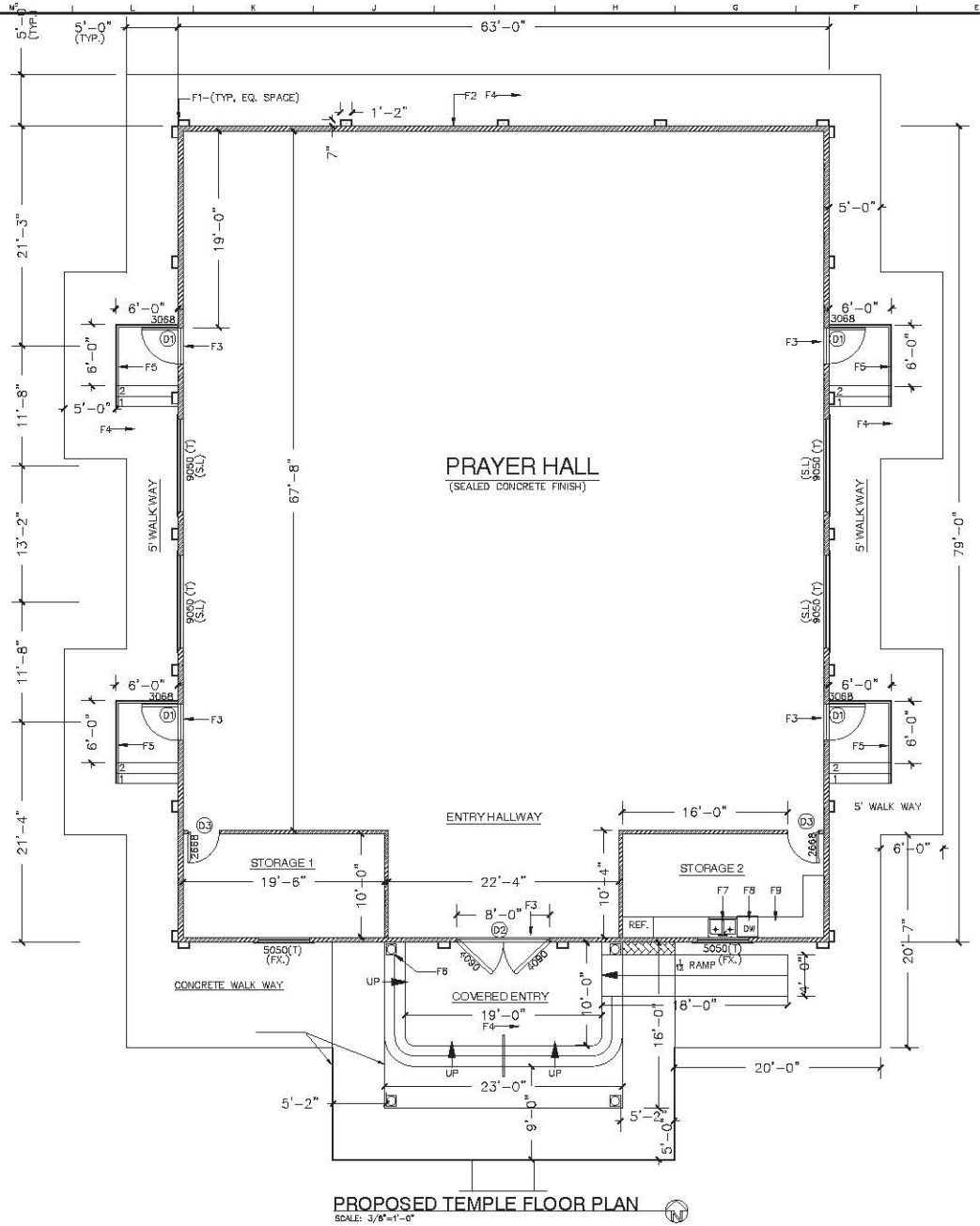
PROJECT NAME
IU-MIEN BUDDHIST TEMPLE

ADDRESS:

DRAWING TITLE
SERVICE BUILDING
COLORED ELEVATIONS

DATE: 12-06-2023
DRAWN BY: BASKAR
SHEET NO.
A0.4

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PROPOSED TEMPLE FLOOR PLAN

SCALE: 3/8"=1'-0"

FLOOR PLAN KEYNOTES

1. NON STRUCTURAL COLUMN
2. EXTERIOR WALL SEE STRUCTURAL
3. 1/2" DROP AT ENTRY TYP. AT DOORS
4. CONCRETE PAVED WALKWAY
5. METAL GUARDRAIL
6. 10" DIA. DECORATIVE COLUMN, NON STRUCTURAL TYP. WHERE SHOWN
7. SINK
8. DISHWASHER
9. BASE AND OVERHEAD CABINETS

DEVELOPMENT RATIO

AREAS

TOTAL PROPOSED = 4,816 SF

PRAY AREA = 4,426 FS

STORAGE AREA 1 = 195 SF

STORAGE AREA 2 = 195 SF

PARKING REQUIREMENT 1 PARKING PER 50 SF OF PRAY AREA

4,426 SF / 50 = 89 PARKING SPACES

OCCUPANCY

OCCUPANTS LOAD 7SF PER PERSON = 571 PERSONS

TOILET REQUIREMENT (MALE 4 , FEMALE 7 UNITS)

WE ADD 3 EXTRA TOILET IN MALE SECTION INSTEAD OF UNIRAL

SYMBOLS LEGEND

(UNLESS OTHERWISE NOTED)

NEW WALL, SEE STRUCTURAL

STUD FRAMED WALL: SEE STRUCTURAL PLUMBING WALLS USE 2X6

REFER TO SHEET A2 FOR GENERAL NOTES

(T) – TEMPERED GLASS

Revisions:

Project

NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA 95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

File Date

JULY, 2024

Sheet Title

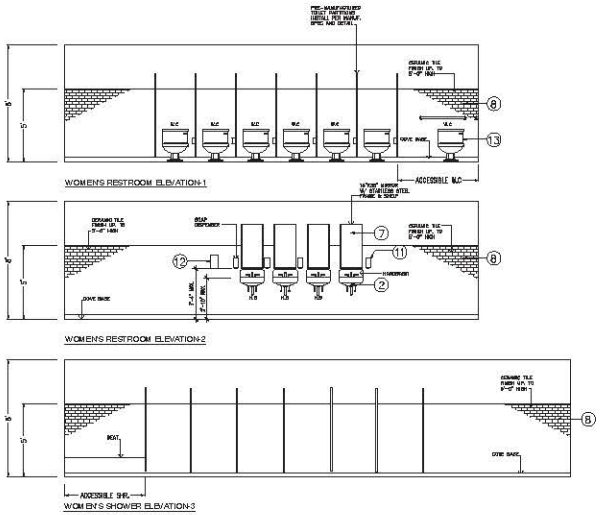
TEMPLE FLOOR PLAN

Reference North

Sheet Scale

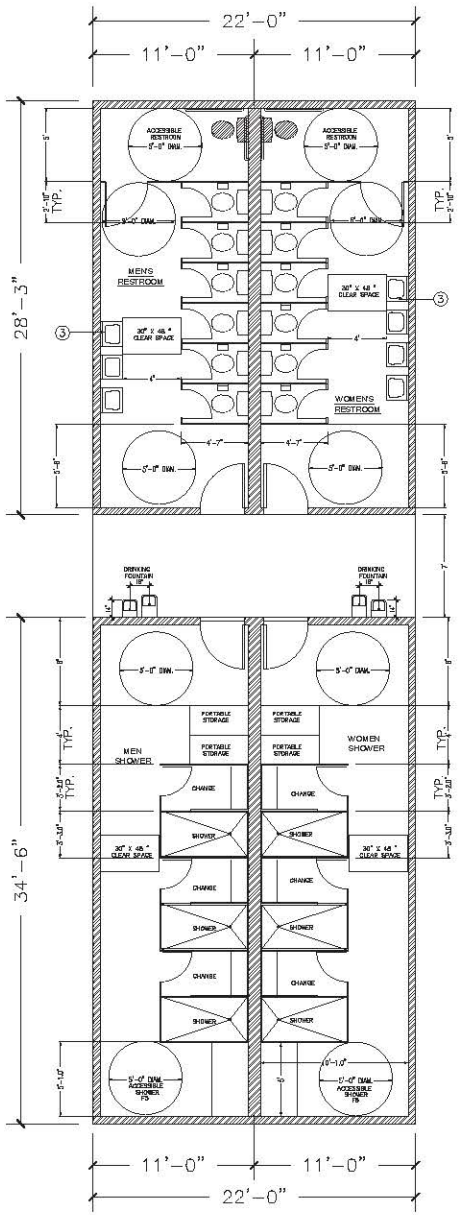
Sheet Number

A2.0



PROPOSED BATHROOM FLOOR PLAN

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



PROPOSED BATHROOM FLOOR PLAN

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

TOILET PLAN NOTES: (AS EXISTING)

REFER TO SHEET A2.10 FOR KEYNOTES NOT CALLED OUT ON THIS SHEET

1. WATER CLOSET (ELONGATED BOWL) SHALL BE IN COMPLIANCE WITH 2022 CBC SECTION 11B-604. FLUSH ACTIVATOR TO BE ON OPEN SIDE OF TOILET.
2. LAVATORY IN COMPLIANCE WITH 2022 CBC SECTION 11B-306.2.2, 11B-306.2.3 FOR TOE CLEARANCE AND 2022 CBC SECTION 11B-306.3.2, 11B-306.3.3 FOR KNEE CLEARANCE. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS PER 2022 CBC SECTION 606.5.
3. 60" CIRCLE CLEAR SPACE.
4. 36" GRAB BAR.
5. 42"" GRAB BAR.
6. TOILET PAPER DISPENSER.
7. PROVIDE 24" x 36" MIRROR WITH EDGE OVER LAV.BOTTOM OF MIRROR SHALL BE AT +40" A.F.F.
8. CERAMIC TILE TO 5'-0" ON WET WALLS (SUBSTRATE FOR THE WET WALL WILL BE MOISTURE RESISTANT GYPSUM BOARD – DUROROCK OR SIMILAR) w/ VINYL CAP TRIM. PAINT WALLS, PANELS & CEILING w/ WHITE SEMI-GLOSS LATEX ENAMEL.
9. TILE FLOOR FINISH
10. SEAT COVER
11. SOAP DISPENSER – MOUNTING HEIGHT H=48" MAX (COUNTER TOP WIDTH = 20") H=44" MAX (COUNTER TOP WIDTH > 20")
12. COMBINATION TOWEL DISPENSER / DISPOSAL
13. WATER CLOSET: HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 EXCEPT THEY SHALL BE LOCATED 44 INCHES MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET PER 2022 CBC SECTION 11B-604.6.

Revisions:

Project:
NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA 95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

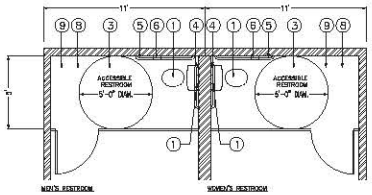
File Date
JULY, 2024

Sheet Title
BATHROOM AND STORAGE FLOOR PLAN

Reference North

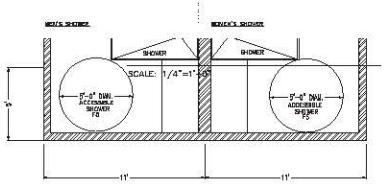
Sheet Scale

Sheet Number
A2.1 of X



ENLARGED ACCESSIBLE RESTROOM PLAN

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



ENLARGED ACCESSIBLE SHOWER PLAN

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

TOILET PLAN NOTES: (AS EXISTING)

1. WATER CLOSET (ELONGATED BOWL) SHALL BE IN COMPLIANCE WITH 2022 CBC SECTION 11B-604. FLUSH ACTIVATOR TO BE ON OPEN SIDE OF TOILET.
2. LAVATORY IN COMPLIANCE WITH 2022 CBC SECTION 11B-306.2.2, 11B-306.2.3 FOR TOE CLEARANCE AND 2022 CBC SECTION 11B-306.3.2, 11B-306.3.3 FOR KNEE CLEARANCE. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS PER 2022 CBC SECTION 606.5.
3. 60" CIRCLE CLEAR SPACE.
4. 36" GRAB BAR.
5. 42"" GRAB BAR.
6. TOILET PAPER DISPENSER.
7. PROVIDE 24" x 36" MIRROR WITH EDGE OVER LAV.BOTTOM OF MIRROR SHALL BE AT +40" A.F.F.
8. CERAMIC TILE TO 5'-0" ON WET WALLS (SUBSTRATE FOR THE WET WALL WILL BE MOISTURE RESISTANT GYPSUM BOARD – DUROROCK OR SIMILAR) w/ VINYL CAP TRIM. PAINT WALLS, PANELS & CEILING w/ WHITE SEMI-GLOSS LATEX ENAMEL.
9. TILE FLOOR FINISH
10. SEAT COVER
11. SOAP DISPENSER – MOUNTING HEIGHT H=48" MAX (COUNTER TOP WIDTH = 20") H=44" MAX (COUNTER TOP WIDTH > 20")
12. COMBINATION TOWEL DISPENSER / DISPOSAL
13. WATER CLOSET: HAND OPERATED FLUSH CONTROLS SHALL COMPLY WITH SECTION 11B-309 EXCEPT THEY SHALL BE LOCATED 44 INCHES MAXIMUM ABOVE THE FLOOR. FLUSH CONTROLS SHALL BE LOCATED ON THE OPEN SIDE OF THE WATER CLOSET PER 2022 CBC SECTION 11B-604.6.

DEVELOPMENT RATIO

AREAS

TOTAL PROPOSED = 4,616 SF

PRAY AREA = 4,426 FS

STORAGE AREA 1 = 195 SF

STORAGE AREA 2 = 195 SF

PARKING REQUIREMENT 1 PARKING PER 50 SF OF PRAY AREA

4,426 SF / 50 = 86 PARKING SPACES

OCCUPANCY

OCCUPANTS LOAD 7SF PER PERSON = 571 PERSONS

TOILET REQUIREMENT (MALE 4 , FEMALE 7 UNITS)

WE ADD 3 EXTRA TOILET IN MALE SECTION INSTEAD OF UNIRAL

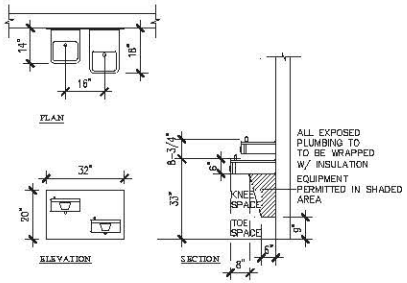
SYMBOLS LEGEND

(UNLESS OTHERWISE NOTED)

NEW WALL

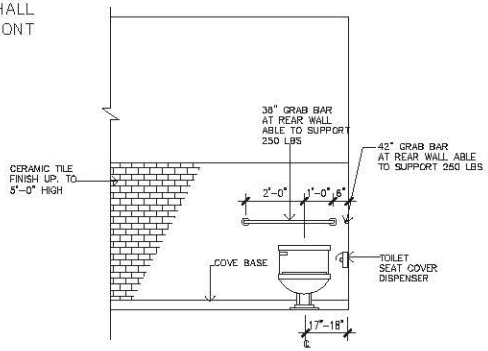
ACCESSIBLE SHOWE DETAILS

DRINKING FOUNTAIN THE PROTECTED AREA WITHIN THE DRINKING FOUNTAIN TO BE LOCATED SHALL BE 32" WIDE MIN. AND 18" DEEP MIN. AND SHALL COMPLY WITH SECTION 11B-305.7. THE SPOUT SHALL BE LOCATED 15" MIN. FROM THE VERT. SUPPORT AND 5" MAX. FROM FRONT EDGE OF THE UNIT, INCLUDING BUMPERS, THE SPOUT SHALL PROVIDE A FLOW OF WATER 4" HIGH MIN. (CBC 11B-602)



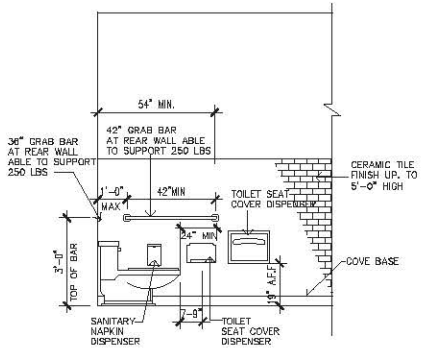
DRINKING FOUNTAIN DETAIL

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



ACCESSIBLE BATHROOM ELEVATION-1

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



ACCESSIBLE BATHROOM ELEVATION-2

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

Revisions

Project

NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

File Date

JULY. 2024

Sheet Title

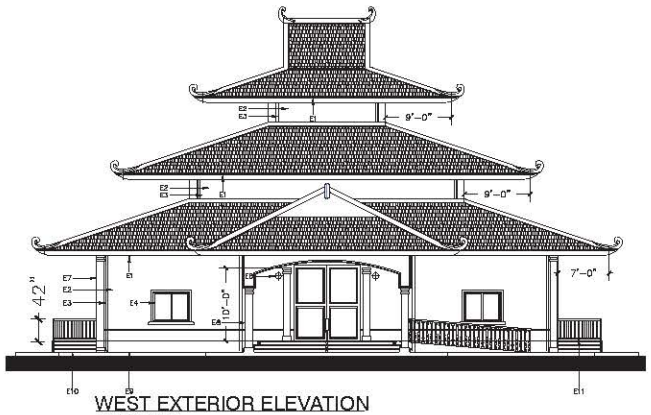
BATHROOM DETAILS

Reference North

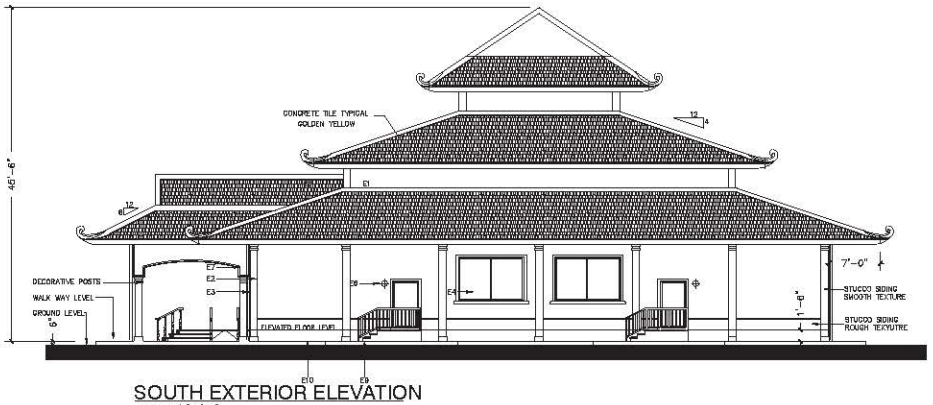
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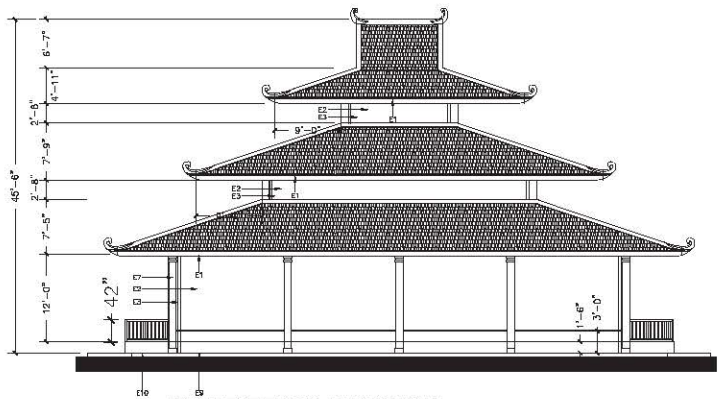
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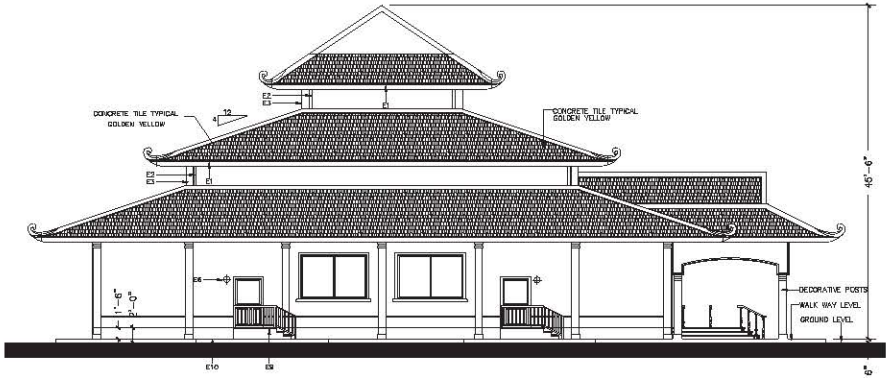
WEST EXTERIOR ELEVATION
SCALE: 1/8"=1'-0"



SOUTH EXTERIOR ELEVATION
SCALE: 1/8"=1'-0"



EAST EXTERIOR ELEVATION
SCALE: 1/8"=1'-0"



NORTH EXTERIOR ELEVATION
SCALE: 1/8"=1'-0"

GENERAL NOTES:

PROVIDE (2) LAYERS OF TYPE "D" PAPER UNDERLAYMENT WHERE LATH IS APPLIED OVER WOOD SHEATHING.

ALL STUCCO COLUMNS AND CORNERS TO BE E 3" THICK COAT SYSTEM, COLOR COAST OVER SCRATCH,BROWN AND FINISH COAT. OVER WIRE OVER 1" FOAM OVER MOISTURE BARRIER, THERMAL BARRIER USED AT GABLE ENDS ONLY.

PROVIDE 26 GA. G.S.M. FLASHING AT ROOF TO WALL INTERSECTIONS, STEP FLASHING AS REQUIRED.

PROVIDE 3/8" METAL RIB LATH AT ALL PATIO SURFACE OR ANY HORIZONTAL STUCCO SURFACES. U.O.N.

ROOF TRUSS IF REQUIRED MANUFACTURE TO VERIFY ALL SLOPE AND DIMENSIONS ON SITE FOR EXISTING AND NEW CONDITIONS BEFORE FABRICATING ROOF TRUSSES.

ALL ROOF TO HAVE RADIANT BARRIER PER ENERGY REQUIREMENTS.

ALL WALLS AND ROOF TO HAVE INSULATION PER ENERGY DOCUMENTATION

STUCCO NOTE:

GALV. METAL MESH WALL (2) COAT SYSTEM: (ICC #ESR 1194)

1. THERMAL BARRIE USED AT GABLE ENDS ONLY
2. MOISTURE BARRIER
3. 1" FOAM
4. WIRE
5. (3) COAT STUCCO
   a. SCRATCH COAT
   b. BROWN COAT
   c. FINISH COAT

ELEVATION KEY NOTES:

1. 6" DEEP ROLL ON GUTTER
2. METAL MESH (3) COAT SYSTEM COLOR COAT OVER B.ROWN COAT OVER WIRE MESH OVER 1" FOAM OVER MOISTURE BARRIER, THERMAL BARRIER AT GABLE ENDS
3. 4" DOWNSPOUT
4. WINDOW WITH FOAM TRIM, TYP.
5. CONCRETE TILE ROOFING OVER 30# BUILDING PAPER OVER ROOF SHEATHING, SEE STRUCTURAL PLANS FOR NAILING.
6. EXTERIOR LIGHT FIXTURE, WATER PROOF, SEE ELECTRICAL PLAN
7. NON STRUCTURAL DECORATIVE COLUMN
8. 10" DIA. NON STRUCTURAL DECORATIVE COLUMN
9. CONTINUOUS WEEP SCREED AT THE BOTTOM OF THE STUCCO FINISH
10. 1% SLOPE AT THE PATIO
11. GUARDRAIL SEE DETAIL, DECORATIVE, MAX. 4" SPACING SO THAT A 4" SPHERE CANNOT PASS THRU. 42" HIGH. MIN.
12. DECORATIVE NON STRUCTURAL FEATURE

Revisions

Project
NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

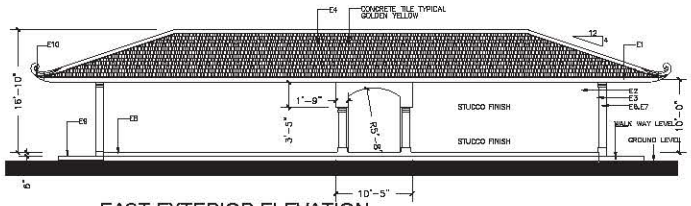
File Date
JULY. 2024

Sheet Title
EXTERIOR ELEVATIONS TEMPLE

Reference North

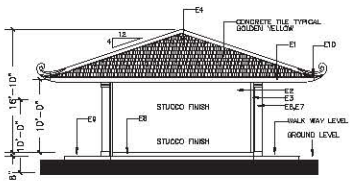
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Sheet Number
A3.0 of X



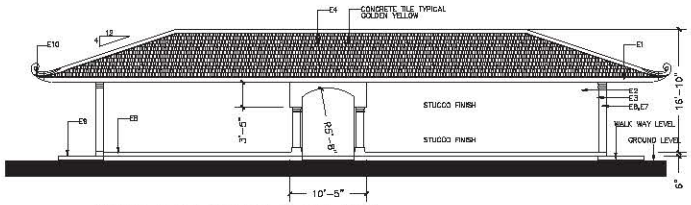
EAST EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"



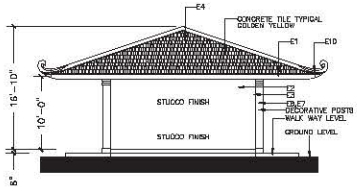
NORTH EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"



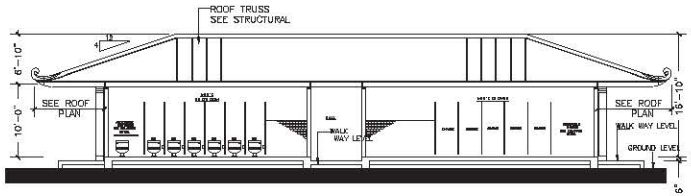
WEST EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"



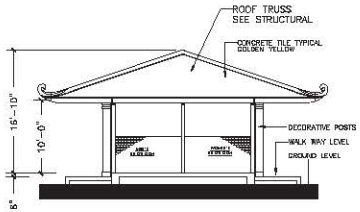
SOUTH EXTERIOR ELEVATION

SCALE: 1/8"=1'-0"



BUILDING SECTION A-A

SCALE: 1/8"=1'-0"



BUILDING SECTION B-B

SCALE: 1/8"=1'-0"

GENERAL NOTES:

PROVIDE (2) LAYERS OF TYPE "D" PAPER UNDERLAYMENT WHERE LATH IS APPLIED OVER WOOD SHEATHING.

ALL STUCCO COLUMNS AND CORNERS TO BE E ¾" THICK COAT SYSTEM, COLOR COAST OVER SCRATCH,BROWN AND FINISH COAT. OVER WIRE OVER 1" FOAM OVER MOISTURE BARRIER, THERMAL BARRIER USED AT GABLE ENDS ONLY.

PROVIDE 26 GA. G.S.M. FLASHING AT ROOF TO WALL INTERSECTIONS, STEP FLASHING AS REQUIRED.

PROVIDE 3/8" METAL RIB LATH AT ALL PATIO SURFACE OR ANY HORIZONTAL STUCCO SURFACES. U.O.N.

ROOF TRUSS IF REQUIRED MANUFACTURE TO VERIFY ALL SLOPE AND DIMENSIONS ON SITE FOR EXISTING AND NEW CONDITIONS BEFORE FABRICATING ROOF TRUSSES.

ALL ROOF TO HAVE RADIANT BARRIER PER ENERGY REQUIREMENTS.

ALL WALLS AND ROOF TO HAVE INSULATION PER ENERGY DOCUMENTATION

STUCCO NOTE:

GALV. METAL MESH WALL (3) COAT SYSTEM: (ICC #ESR 1194)

1. THERMAL BARRIE USED AT GABLE ENDS ONLY
2. MOISTURE BARRIER
3. 1" FOAM
4. WIRE
5. (3) COAT STUCCO
   a. SCRATCH COAT
   b. BROWN COAT
   c. FINISH COAT

ELEVATION KEY NOTES:

1. 6" DEEP ROLL ON GUTTER
2. METAL MESH (3) COAT SYSTEM COLOR COAT OVER BROWN COAT OVER WIRE MESH OVER 1" FOAM OVER MOISTURE BARRIER, THERMAL BARRIER AT GABLE ENDS
3. 4" DOWNSPOUT
4. CONCRETE TILE ROOFING OVER 30# BUILDING PAPER OVER ROOF SHEATHING, SEE STRUCTURAL PLANS FOR NAILING.
5. EXTERIOR LIGHT FIXTURE, WATER PROOF, SEE ELECTRICAL PLAN
6. NON STRUCTURAL DECORATIVE COLUMN
7. 10" DIA. NON STRUCTURAL DECORATIVE COLUMN
8. CONTINUOUS WEEP SCREED AT THE BOTTOM OF THE STUCCO FINISH
9. 1% SLOPE AT THE PAVING AWAY FROM FOUNDATION
10. DECORATIVE NON STRUCTURAL FEATURE

Revisions

Project
NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

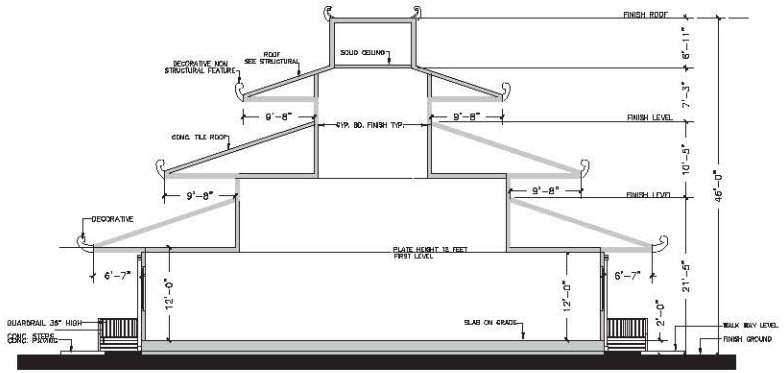
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EXTERIOR ELEVATIONS BATHROOM

Reference North

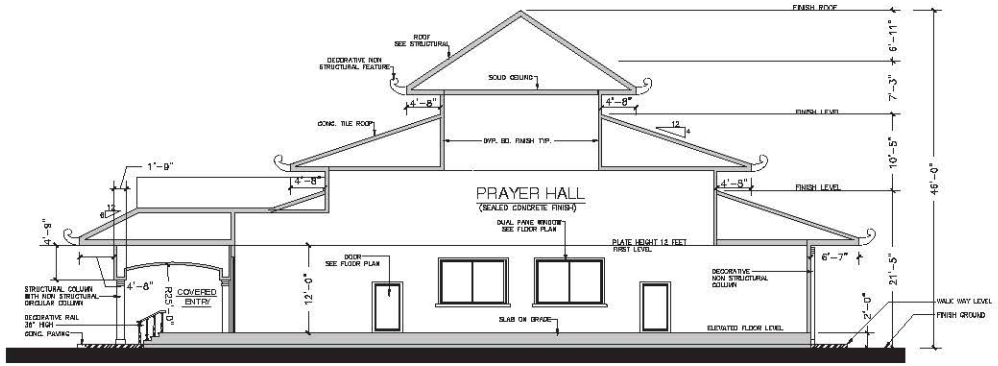
Sheet Scale

Sheet Number
A3.0 of X



BUILDING SECTION A-A

SCALE: 1/8"=1'-0"



BUILDING SECTION B-B

SCALE: 1/8"=1'-0"

GENERAL NOTES:

ROOF TRUSS. CONTRACTOR MANUFACTURE TO VERIFY ALL SLOPE AND DIMENSIONS ON SITE FOR EXISTING AND NEW CONDITIONS BEFORE FABRICATING ROOF TRUSSES.

ALL ROOF TO HAVE RADIANT BARRIER PER ENERGY REQUIREMENTS.

ALL WALLS AND ROOF TO HAVE INSULATION PER ENERGY DOCUMENTATION

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NEW IU-MIEN
BUDDHIST TEMPLE
6225 EXCELSIOR
ROAD SACRAMENTO
COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
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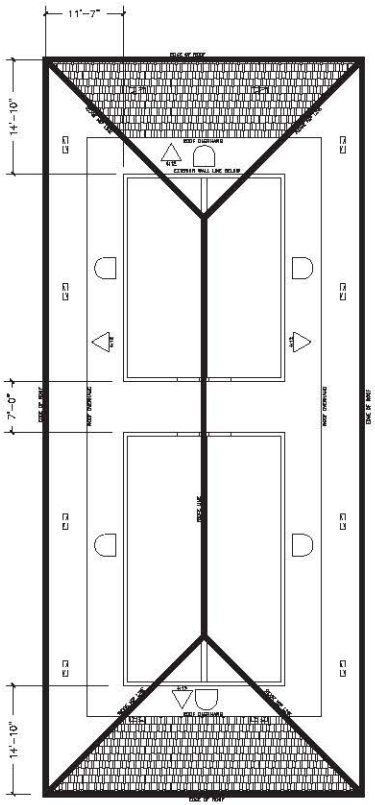
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TEMPLE
BUILDING
SECTION

Reference North

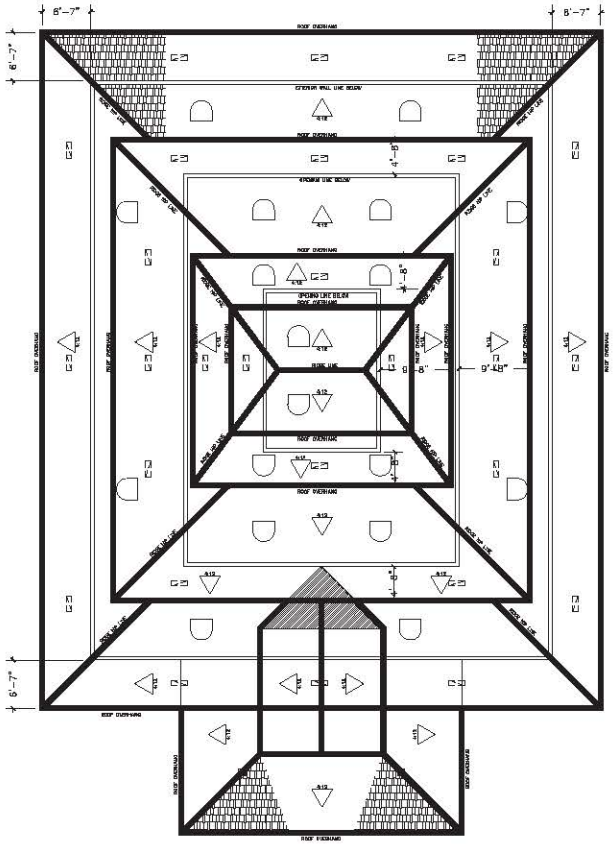
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Sheet Number
A4.0 of X



ROOF PLAN - RESTROOM
SCALE: 1/8"=1'-0"

VENT CALCULATIONS



ROOF PLAN - TEMPLE
SCALE: 1/8"=1'-0"

GENERAL NOTES:

ROOF TRUSS IF REQUIRED MANUFACTURE TO VERIFY ALL SLOPE AND DIMENSIONS ON SITE FOR EXISTING AND NEW CONDITIONS BEFORE FABRICATING ROOF TRUSSES.

ALL ROOF TO HAVE RADIANT BARRIER PER ENERGY REQUIREMENTS.

ALL WALLS AND ROOF TO HAVE INSULATION PER ENERGY DOCUMENTATION

BUILDING SECTION KEY NOTES:

1. ALL DORMER VENTS TO BE LOCATED SAME DISTANCE UP FROM THE EAVE LINE
2. PROVIDE CLEAR VENTILATION FOR EACH ATTIC AREA.
3. ATTIC VENTILATION SHALL BE PROVIDED PER 2022 CALIFORNIA BUILDING STANDARD CODE
4. ALL VTR'S ROOF JACKS AND ATTIC VENTS TO BE PAINTED TO MATCH ROOFING COLOR
5. ALL GI FLASHING TO BE PAINTED TO MATCH ADJACENT SURFACE FINISH.
6. PROVIDE MINIMUM 1" AIR SPACE BETWEEN INSULATION AND ROOF SHEATHING WHERE EVE OR CORNICE VENTS ARE INSTALLED 4'-0" LONG BAFFLES MINIMUM.
7. ALL VENTS INCLUDING CONTINUOUS VENTS TO HAVE A 1/4" CORROSION RESISTANT MESH
8. PROVIDE MINIMUM 4'-0" LONG BAFFLES AT EAVE VENTS.
9. ATTIC VENTILATION IS BASED UPON THE FOLLOWING UNLESS MANUFACTURER'S SPEC. ARE PROVIDED.
10. #3-1/2"X22" EAVES VENTS ARE GOOD FOR 53.75 SQ.IN. EACH.
11. DORMER VENTS ARE GOOD FOR 72 SQ.IN. EACH
12. PROVIDE ANTI-PONDING DEVICE AT THE BOTTOM COARSE OF THE TILE ROOF IF RAISED FASCIA BOARD IS USED.
13. PROVIDE EXTERIOR GRADE PLYWOOD AT ALL EXPOSED EAVES.
14. ROOF TRUSS MANUFACTURER TO VERIFY ALL DIMENSIONS ON SITE BEFORE FABRICATION TRUSSES AND JOISTS
15. PROVIDE FIRE BLOCKING AROUND OPENINGS, VENTS, PIPES, DUCTS, CABLES AND WIRES THAT AFFORD PASSAGE OF FIRE AT CEILING AND FLOOR LEVELS PER CBC SECTION R302.11
16. FIRE BLOCK SHALL CONSIST OF 2" NOMINAL LUMBER, BACKED BY ½" GYPSUM BOARD OR OTHER APPROVED MATERIAL INSTALLED IN SUCH A MANNER AS TO BE SECURELY RETAINED IN PLACE

ROOF PLAN KEYNOTES

2X FASCIA

DOWNSPOUT TO RECEIVE PRECAST CONCRETE SPLASH BLOCK.

22"X30" ATTIC ACCESS, MIN. 30" HEAD HT. LOCATION, SEE ENLARGED FLOOR PLAN

EAVES VENT 6"X12" = 48"

DORMER VENT. TYP. = 72"

CONC. TILE ROOFING OVER 2-LAYERS OF #15 FLET, INSTALL PER MANUF. SPEC.

METAL ROOF GUTTER

LEGEND

<=== INDICATES EAVES VENTS. (STANDARD EVE VENT - 48 SQ. IN PER VENT)

⌂ INDICATES DORMER VENTS (DORMER VENT - 72 SQ. IN PER VENT)

PROVIDE 50% VENT AT RIDGE 50% AT EAVES

ROOF VENTILATION CALCULATIONS

ALL DORMER VENTS TO BE LOCATED SAME DISTANCE UP FROM THE EAVE LINE

PROVIDE CLEAR VENTILATION FOR EACH ATTIC AREA.

COMP. SHINGLE ROOFING

ROOF AREA TO BE VENTED - 3875 SQ.FT

REQUIRED VENTILATION: 3875 SQ.IN

1/300 METHOD

PROVIDE 50% VENT AT RIDGE AND 50% AT EAVES LEVEL

3875/ 300 = 12.91 S.F. / 2 =6.455 X 144= 930 SQ.IN. EACH AT RIDGE AND AT EAVES

PROVIDE 13 DORMER VENT = 13X72 = 936 SQ.IN

PROVIDE 20 EAVES VENTS = 20 X 48 =960 SQ.IN

GABLE VENT AT ENDS = 6"X12" = 96 X 6 =576 SQ.IN

VENTILATION PROVIDED =2472 SQ.IN

VENTILATION REQUIRED - 1860 SQ.IN

ROOF VENTILATION CALCULATIONS

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Revisions

Project
NEW IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR ROAD SACRAMENTO COUNTY CA.95829

Supervisor	Designed	Drawn	Checked
	AKB	AKB	

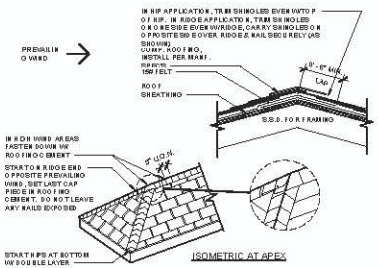
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JULY. 2024

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TEMPLE AND RESTROOM ROOF PLAN

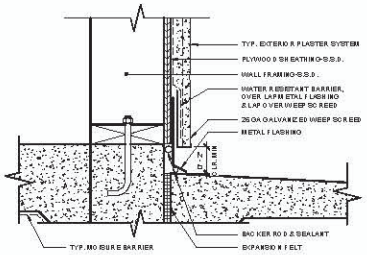
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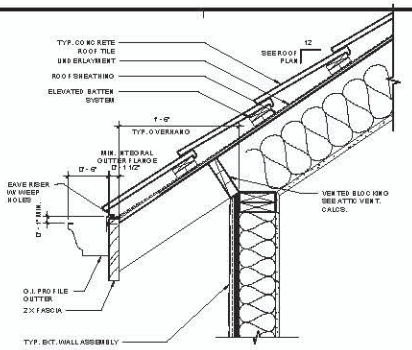
Sheet Number
A4.1 of X



3 ROOF RIDGE DETAIL
SCALE: 1 1/2" = 1'-0"



2 TYP. EXTERIOR WALL @ CONC. PATIO
SCALE: 3" = 1'-0"

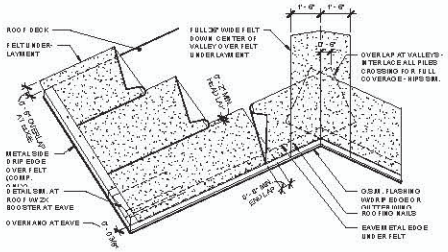


1 TYP. EAVE
SCALE: 1 1/2" = 1'-0"

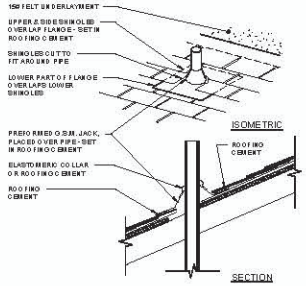
APPLICATION NOTES FOR LOW SLOPE

3:12 TO LESS THAN 4:12

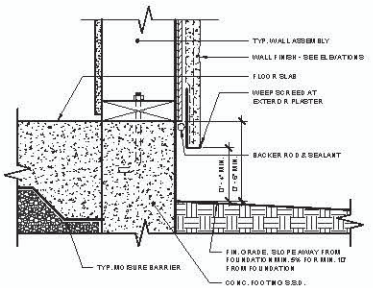
1. START WITH ONE 19" WIDE SHEET OF FELT ALONG EAVE WITH 24" OVERHANG. TROWEL A CONTINUOUS LAYER OF ROOFING CEMENT (AT A RATE OF 2 GALLONS PER 100 SQ. FT.) ONTO THE FELT.
2. PRESS ONE 36" WIDE SHEET OF FELT FIRMLY ONTO THE CEMENT AND NAIL DOWN WITH GALV. ROOFING NAILS AT 12" O.C. ALONG A LINE 12" ABOVE THE BOTTOM EDGE OF THE FELT.
3. APPLY ROOFING CEMENT TO THE UPPER 19" OF THE EXPOSED FELT.
4. COVER THE CEMENTED PORTION WITH THE NEXT SHEET OF FELT AND NAIL.
5. REPEAT PROCESS UNTIL 24" BEYOND THE INTERIOR WALL LINE BELOW.
6. COVER THE REMAINING ROOF WITH DOUBLE LAYERS OF FELT, MITHO ET CEMENT, UP TO THE RIDGE.
7. SIMILAR DETAIL FOR CONCRETE TILE ROOFING



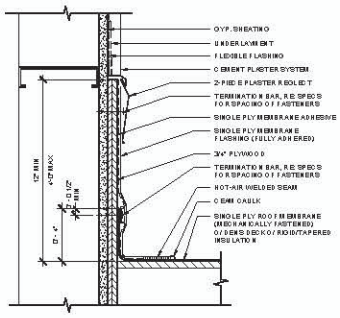
6 TYP. FELT UNDERLAYMENT
SCALE: 3/8" = 1'-0"



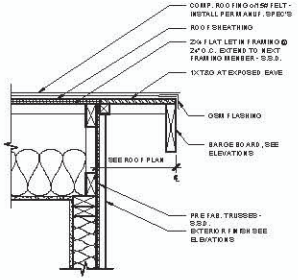
TYP. COMPOSISTION ROOF PIPE PENETRATION
5
SCALE: 1 1/2" = 1'-0"



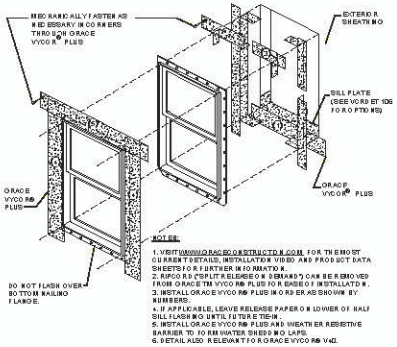
4 TYP. EXTERIOR WALL @ FOUND.
SCALE: 3" = 1'-0"



9 REGLET AT CEMENT PLASTER
SCALE: 3" = 1'-0"



8 TYP. RAKE
SCALE: 1 1/2" = 1'-0"

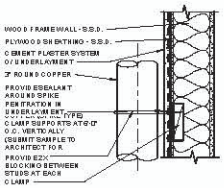


7 FLANGED WINDOW
SCALE: 3" = 1'-0"

NEW-IU-MIEN BUDDHA TEMPLE
6225 EXCELSIOR SACRAMENTO CA.95829.

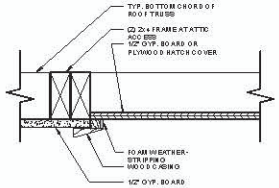
CONSTRUCTION DETAILS

A7.0



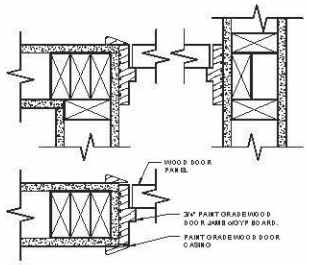
4 DOWNSPOUT MOUNTING BRACKET

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



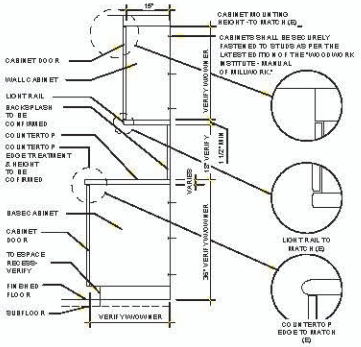
3 INT. ATTIC ACCESS HATCH COVER

SCALE: 3" = 1'-0"



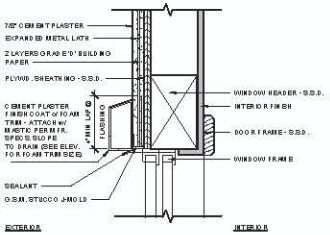
2 INT. DOOR JAMB / HEAD

SCALE: 3" = 1'-0"



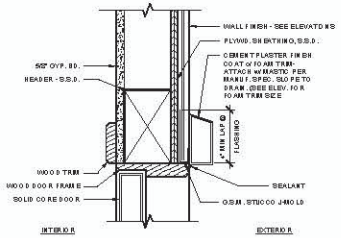
1 TYPICAL CABINET SECTION

SCALE: 3/4" = 1'-0"



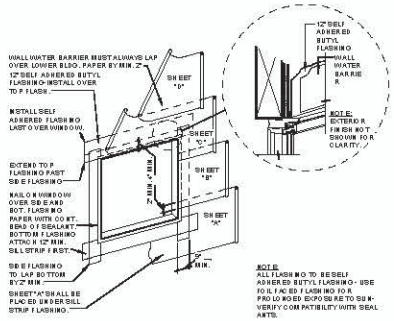
8 WINDOW HEAD w/ FOAM TRIM

SCALE: 3" = 1'-0"



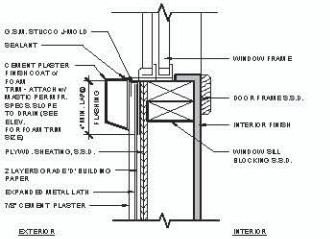
7 EXT. DOOR HEAD

SCALE: 3" = 1'-0"



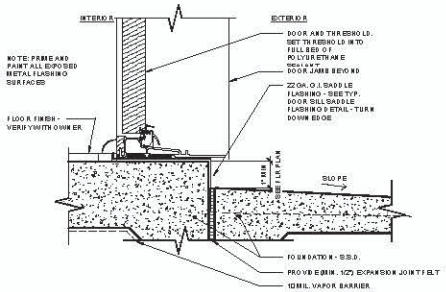
6 TYP. WINDOW FLASHING

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



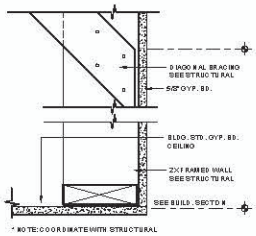
12 WINDOW SILL w/ FOAM TRIM

SCALE: 3" = 1'-0"



11 EXT. DOOR SILL

SCALE: 3" = 1'-0"



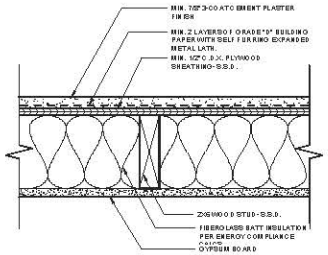
10 SOFFIT HEAD DETAIL - 1

SCALE: 3" = 1'-0"

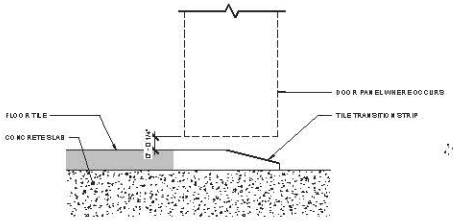
NEW-IU-MIEN BUDDHA TEMPLE
6225 EXCELSIOR SACRAMENTO CA,95829.

CONSTRUCTION DETAILS

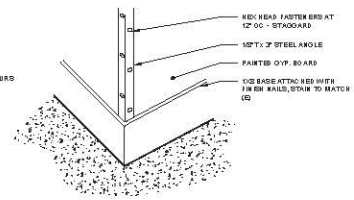
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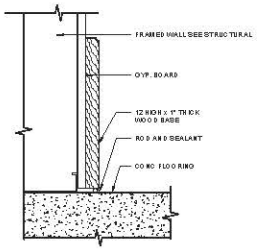
4 TYP. EXT. PLASTER SYSTEM
SCALE: 3" = 1'-0"



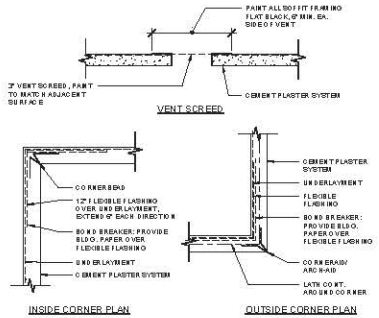
TILE TO CONCRETE FLOOR TRANSITION
3 SCALE: 12" = 1'-0"



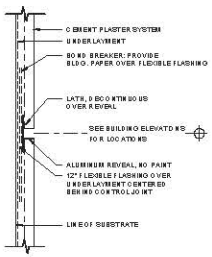
BASE - WOOD AND METAL CORNER TRIM
2 SCALE: 3/4" = 1'-0"



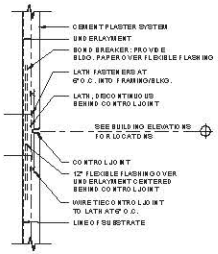
1 WOOD BASE @ CONC. FLOOR
SCALE: 3" = 1'-0"



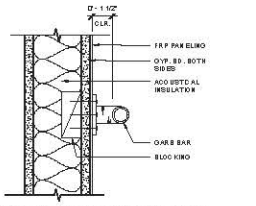
8 PLASTER ACCESSORIES
SCALE: 3" = 1'-0"



7 CEMENT PLASTER REVEAL
SCALE: 3" = 1'-0"

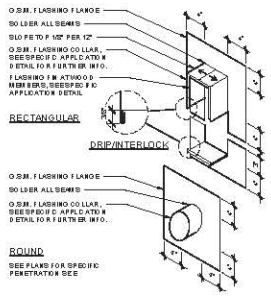


6 CEMENT PLASTER CONTROL JOINT
SCALE: 3" = 1'-0"

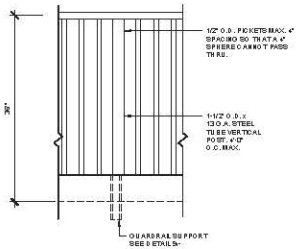


NOTES: 1. PROVIDE SMOOTH GRAB BARS W/ NO SHARP CORNERS.
2. DESIGN COMPLIES W/ 2008 DESIGN LOAD REQUIREMENTS.

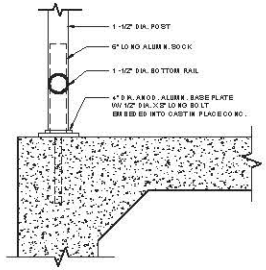
5 GRAB BAR
SCALE: 3" = 1'-0"



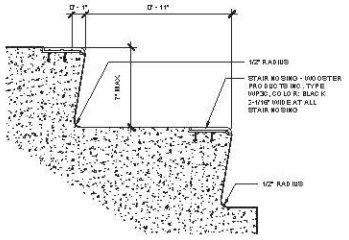
12 PENETRATION FLASHING
SCALE: 1" = 1'-0"



11 GUARDRAIL
SCALE: 1" = 1'-0"



10 RAIL ANCHORAGE
SCALE: 3" = 1'-0"



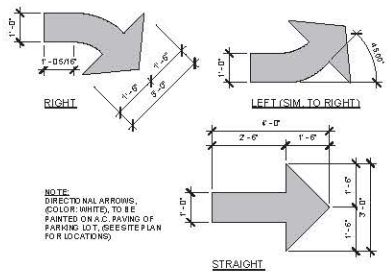
9 CONCRETE STAIR NOSING
SCALE: 3" = 1'-0"

NEW IU-MIEN BUDDHA TEMPLE
6225 EXCELSIOR SACRAMENTO CA.95829.

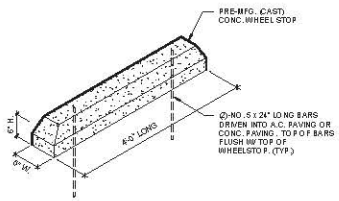
CONSTRUCTION DETAILS

A7.2

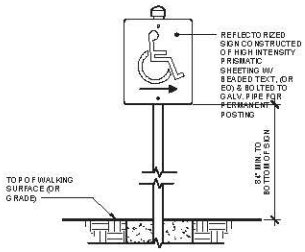
NEW JU-MIEN BUDDHA TEMPLE
6225 EXCELSIOR SACRAMENTO
CA.95829.



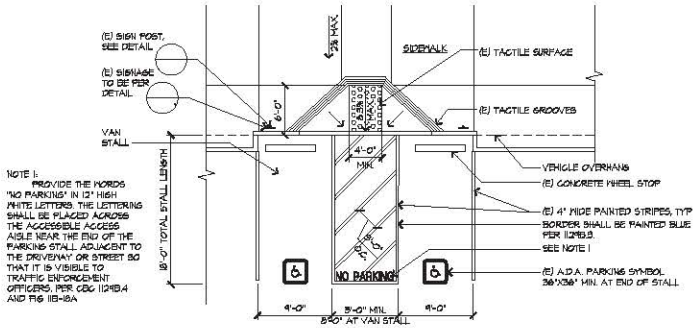
3 DIRECTIONAL ARROWS
SCALE: 1/2" = 1'-0"



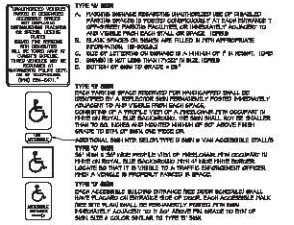
2 CONCRETE WHEELSTOP
SCALE: 3/4" = 1'-0"



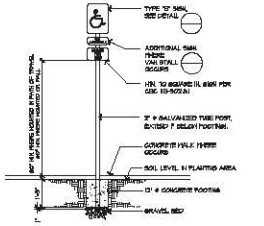
1 "ISA" SYMBOL AT PATH OF TRAVEL
SCALE: 1" = 1'-0"



A ACCESSIBLE PARKING STALL PLAN
1/8" = 1'-0"



B ACCESSIBILITY SIGNAGE



C ACCESSIBLE PARKING SIGN POST

4 ACCESSIBLE PARKING DETAILS

CONSTRUCTION DETAILS

A7.3

ENGINEER OF RECORD:
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TABLE 2304.10.2-FASTENING SCHEDULE 2022 CALIFORNIA BUILDING CODE

SR. NO.	DESCRIPTION OF BLDG ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING & LOCATION
1.	BLOCKING BTWN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW	4-8d BOX (2 1/2"x0.113"); OR 3-8d COMMON (2 1/2"x0.131"); OR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL
	BLOCKING BTWN RAFTERS OR TRUSS NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS	2-8d COMMON (2 1/2"x0.131") 2-3"x0.131" NAILS 2-3" 14 GAGE STAPLES	EACH END, TOENAIL
		2-16d COMMON (3 1/2"x0.162") 3-3"x0.131" NAILS 3-3" 14 GAGE STAPLES	END NAIL
	FLAT BLOCKING TO TRUSS AND WEB FILLER	16d COMMON (3 1/2"x0.162") @6" O.C 3"x0.131" NAILS @6" O.C 3"x14 GAGE STAPLES @6" O.C	FACE NAIL
2.	CEILING JOISTS TO PLATE	4-8d BOX (2 1/2"x0.113"); OR 3-8d COMMON (2 1/2"x0.131"); OR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	EACH JOIST, TOENAIL
3.	CEILING JOISTS NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	3-16d COMMON (3 1/2"x0.162"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL
4.	CEILING JOISTS ATTACHED TO PARALLEL RAFTERS (HEEL JOINT) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	PER TABLE 2308.7.3.1	FACE NAIL
5.	COLLAR TIE TO RAFTER	3-10d COMMON (3"x0.148"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL
6.	RAFTER OR ROOF TRUSS TO TOP PLATE (SEE SECTION 2308.7.5, TABLE 2308.7.5)	3-10d COMMON (3"x0.148"); OR 3-16d BOX (3 1/2"x0.135"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	2 TOENAILS ON ONE SIDE AND 1 TOENAIL ON OPPOSITE SIDE OF RAFTER OR TRUSS[c]
7.	ROOF RAFTERS TO RIDGE VALLEY OR HIP RAFTERS; OR ROOF RAFTER TO 2-INCH RIDGE BEAM	2-16d COMMON (3 1/2"x0.162"); OR 3-16d BOX (3 1/2"x0.135"); OR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL
		3-10d COMMON (3 1/2"x0.148"); OR 4-16d BOX (3 1/2"x0.135"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL
8.	STUD TO STUD (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2"x0.162")	24" O.C FACE NAIL
		10d BOX (3"x0.128"); OR 3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C FACE NAIL
9.	STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS)	16d COMMON (3 1/2"x0.162");	16" O.C FACE NAIL
		16d BOX (3 1/2"x0.135"); OR	12" O.C FACE NAIL
		3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C FACE NAIL
10.	BUILT-UP HEADER (2" TO 2" HEADER)	16d COMMON (3 1/2"x0.162"); OR	16" O.C EACH EDGE, FACE NAIL
		16d BOX (3 1/2"x0.135")	12" O.C EACH EDGE, FACE NAIL
11.	CONTINUOUS HEADER TO STUD	4-8d COMMON (2 1/2"x0.131"); OR 4-10d BOX (3"x0.128"); OR 5-8d BOX (2 1/2"x0.113")	TOENAIL
12.	TOP PLATE TO TOP PLATE	16d COMMON (3 1/2"x0.162")	16" O.C FACE NAIL
		10d BOX (3"x0.128"); OR 3"x0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C FACE NAIL
13.	TOP PLATE TO TOP PLATE, AT END JOINTS	8-16d COMMON (3 1/2"x0.162"); OR 12-16d BOX (3 1/2"x0.135"); OR 12-10d BOX (3"x0.128"); OR 12-3"x0.131" NAILS; OR 12-3" 14 GAGE STAPLES, 7/16" CROWN	EACH SIDE OF END JOINT, FACE NAIL (MIN 24" LAP SPLICE LENGHT EACH SIDE OF END JOINT)
14.	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2"x0.162")	16" O.C FACE NAIL
		16d BOX (3 1/2"x0.135"); OR 3"x0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN	12" O.C FACE NAIL
15.	BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALL PANELS	2-16d COMMON (3 1/2"x0.162"); OR 3-16d BOX (3 1/2"x0.135"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	16" O.C FACE NAIL
16.	STUD TO TOP OR BOTTOM PLATE	3-16d BOX (3 1/2"x0.135"); OR 4-8d COMMON (2 1/2"x0.131"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-8d BOX (2 1/2"x0.113"); OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL
		2-16d COMMON (3 1/2"x0.162"); OR 3-16d BOX (3 1/2"x0.135"); OR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL
17.	TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS	2-16d COMMON (3 1/2"x0.162"); OR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL
18.	1" BRACE TO EACH STUD AND PLATE	3-8d BOX (2 1/2"x0.113"); OR 2-8d COMMON (2 1/2"x0.131"); OR 2-10d BOX (3"x0.128"); OR 2-3"x0.131" NAILS; OR 2-3" 14 GAGE STAPLES, 7/16" CROWN	FACE NAIL

FOR SI: 1 INCH = 25.4 MM.

A. NAILS SPACED AT 6 INCHES AT INTERMEDIATE SUPPORTS WHERE SPANS ARE 48 INCHES OR MORE. FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLEBOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTION 2305. NAILS FOR WALL SHEATHING ARE PERMITTED TO BE COMMON, BOX, CASING.
B. SPACING SHALL BE 6 INCHES ON CENTER ON THE EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS FOR NONSTRUCTURAL APPLICATIONS. PANEL SUPPORTS AT 16 INCHES (20 INCHES IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED.
C. WHERE A RAFTER IS FASTENED TO AN ADJACENT PARALLEL CEILING JOIST IN ACCORDANCE WITH THIS SCHEDULE AND THE CEILING JOIST IS FASTENED TO THE TOP PLATE IN ACCORDANCE WITH THIS SCHEDULE, THE NUMBER OF TOENAILS IN THE RAFTER SHALL BE PERMITTED TO BE REDUCED BY ONE NAIL.
D. RSRS-01 IS A ROOF SHEATHING RING SHANK NAIL MEETING THE SPECIFICATION IN ASTM F1667.
E. TABULATED FASTENER REQUIREMENTS APPLY WHERE THE ULTIMATE DESIGN WIND SPEED IS LESS THAN 140 mph. FOR WOOD STRUCTURAL PANEL ROOF SHEATHING ATTACHED TO GABLE-END ROOF FRAMING AND TO INTERMEDIATE SUPPORTS WITHIN 48 INCHES OF ROOF EDGES AND RIDGES, NAILS SHALL BE SPACED AT 4 INCHES ON CENTER WHERE THE ULTIMATE DESIGN WIND SPEED IS GREATER THAN 130 mph IN EXPOSURE B OR GREATER THAN 110 mph IN EXPOSURE C. SPACING EXCEEDING 6 INCHES ON CENTER AT INTERMEDIATE SUPPORTS SHALL BE PERMITTED WHERE THE FASTENING IS DESIGNED PER THE AWC NDS.
F. FASTENING IS ONLY PERMITTED WHERE THE ULTIMATE DESIGN WIND SPEED IS LESS THAN OR EQUAL TO 110 mph.
G. NAILS AND STAPLES ARE CARBON STEEL MEETING THE SPECIFICATIONS OF ASTM F1667. CONNECTIONS USING NAILS AND STAPLES OF OTHER MATERIALS, SUCH AS STAINLESS STEEL, SHALL BE DESIGNED BY ACCEPTABLE ENGINEERING PRACTICE OR APPROVED UNDER SECTION 104.11.

TABLE 2304.10.2-FASTENING SCHEDULE - CONTINUED

DESCRIPTION OF BLDG ELEMENTS	NUMBER AND TYPE OF FASTENER	SPACING & LOCATION
19. 1"x6" SHEATHING TO EACH BEARING	3-8d BOX (2 1/2"x0.113"); OR 2-8d COMMON (2 1/2"x0.131"); OR 2-10d BOX (3"x0.128") 2-1 3/4" 16 GAGE STAPLES, 1" CROWN	FACE NAIL
20. 1"x8" AND WIDER SHEATHING TO EACH BEARING	3-8d COMMON (2 1/2"x0.131"); OR 3-8d BOX (2 1/2"x0.113"); OR 3-10d BOX (3"x0.128"); OR 3-1 3/4" 16 GAGE STAPLES, 1" CROWN	FACE NAIL
	WIDER THAN 1"x8" 3-8d COMMON (2 1/2"x0.131"); OR 4-8d BOX (2 1/2"x0.113"); OR 3-10d BOX (3"x0.128"); OR 4-1 3/4" 16 GAGE STAPLES, 1" CROWN	
21. JOIST TO SILL, TOP PLATE, OR GIRDER	4-8d BOX (2 1/2"x0.113"); OR 3-8d COMMON (2 1/2"x0.131"); OR FLOOR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	TOENAIL
22. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER FRAMING BELOW.	8d BOX (2 1/2"x0.113")	4" O.C., TOENAIL
	8d COMMON (2 1/2"x0.131"); OR 10d BOX (3"x0.128"); OR 3"x0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN	6" O.C., TOENAIL
23. 1"x6" SUBFLOOR OR LESS TO EACH JOIST	3-8d BOX (2 1/2"x0.113"); OR 2-8d COMMON (2 1/2"x0.131"); OR 3-10d BOX (3"x0.128"); OR 2-1 3/4" 16 GAGE STAPLES, 1" CROWN	FACE NAIL
24. 2" SUBFLOOR TO JOIST OR GIRDER	3-16d BOX (3 1/2"x0.135"); OR 2-16d COMMON (3 1/2"x0.162")	BLIND AND FACE NAIL
25. 2" PLANKS (PLANK & BEAM-FLOOR & ROOF)	3-16d BOX (3 1/2"x0.135"); OR 2-16d COMMON (3 1/2"x0.162")	EACH BEARING, FACE NAIL
26. BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS	20d COMMON (4"x0.192")	32" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	10d BOX (3"x0.128"); OR 3"x0.131" NAILS; OR 3" 14 GAGE STAPLES, 7/16" CROWN	24" O.C., FACE NAIL AT TOP AND BOTTOM STAGGERED ON OPPOSITE SIDES
	AND: 2-20d COMMON (4"x0.192"); OR 3-10d BOX (3"x0.128"); OR 3-3"x0.131" NAILS; OR 3-3" 14 GAGE STAPLES, 7/16" CROWN	ENDS AND EACH SPLICE, FACE NAIL
27. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	3-16d COMMON (3 1/2"x0.162"); OR 4-16d BOX (3 1/2"x0.135"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	EACH JOISTS OR RAFTERS, FACE NAIL
28. JOIST TO BAND JOIST OR RIM JOIST	3-16d COMMON (3 1/2"x0.162"); OR 4-10d BOX (3"x0.128"); OR 4-3"x0.131" NAILS; OR 4-3" 14 GAGE STAPLES, 7/16" CROWN	END NAIL
29. BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS	2-8d COMMON (2 1/2"x0.131"); OR 2-10d BOX (3"x0.128"); OR 2-3"x0.131" NAILS; OR 2-3" 14 GAGE STAPLES, 7/16" CROWN	EACH END, TOENAIL

WOOD STRUCTURAL PANELS (WSP), SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING AND PARTICLEBOARD WALL SHEATHING TO FRAMING[a]

		EDGES (IN)	INTERMEDIATE SUPPORT (IN)
30. 3/8"-1/2"	6d COMMON OR DEFORMED (2"x0.113"); OR 2 3/8"x0.113" NAIL (SUBFLOOR AND WALL)	6	12
	8d BOX OR DEFORMED (2 1/2"x0.113"x0.266" HEAD) (ROOF) OR RSRS-01 (2 3/8"x0.113") NAIL (ROOF)[d]	6[f]	6[f]
	1 3/4" 16 GAGE STAPLE, 7/16" CROWN (SUBFLR AND WALL)	4	8
	2 3/8"x0.113"x0.266" HEAD NAIL (ROOF)	3[f]	3[f]
	1 3/4" 16 GAGE STAPLE, 7/16" CROWN (ROOF)	3[f]	3[f]
31. 19/32"-3/4"	8d COMMON (2 1/2"x0.131"); OR 6d DEFORMED (2"x0.120") (SUBFLR AND WALL)	6	12
	8d COMMON OR DEFORMED (2 1/2"x0.131"x0.281" HEAD) (ROOF) OR RSRS-01 (2 3/8"x0.113") NAIL (ROOF)[f]	6[f]	6[f]
	2 3/8"x0.113"x0.266" HEAD NAIL; OR 2" 16 GAGE STAPLE, 7/16" CROWN	4	8
32. 7/8"-1 1/4"	10d COMMON (3"x0.148"); OR DEFORMED (2 1/2"x0.131"x0.281" HEAD)	6	12

OTHER EXTERIOR WALL SHEATHING

		EDGES (IN)	INTERMEDIATE SUPPORT (IN)
33. 1/2" FIBERBOARD SHEATHING[b]	1 1/2"x0.120" GALVANIZED ROOFING NAIL (7/16" HEAD DIA); OR 1 1/4" 16 GAGE STAPLE WITH 7/16" OR 1" CROWN	3	6
34. 25/32" FIBERBOARD SHEATHING[b]	1 3/4"x0.120" GALVANIZED ROOFING NAIL (7/16" HEAD DIA); OR 1 1/2" 16 GAGE STAPLE WITH 7/16" OR 1" CROWN	3	6

WOOD STRUCTURAL PANELS (WSP), COMBINATION SUBFLOOR UNDERLAYMENT TO FRAMING

		EDGES (IN)	INTERMEDIATE SUPPORT (IN)
35. 3/4" AND LESS	8d COMMON (2 1/2"x0.131"); OR DEFORMED (2"x0.113"); OR DEFORMED (2"x0.120")	6	12
36. 7/8" - 1"	8d COMMON (2 1/2"x0.131"); OR DEFORMED (2"x0.131"); OR DEFORMED (2"x0.120")	6	12
37. 1 1/8" - 1 1/4"	10d COMMON (3"x0.148"); OR DEFORMED (2"x0.131"); OR DEFORMED (2"x0.120")	6	12

PANEL SIDING TO FRAMING

		EDGES (IN)	INTERMEDIATE SUPPORT (IN)
38. 1/2" OR LESS	6d CORROSION-RESISTING SIDING (1 7/8"x0.106"); OR 6d CORROSION-RESISTING CASING (2"x0.099")	6	12
39. 5/8"	8d CORROSION-RESISTING SIDING (2 3/8"x0.128"); OR 8d CORROSION-RESISTING CASTING (2 1/2"x0.113")	6	12

INTERIOR PANELING

		EDGES (IN)	INTERMEDIATE SUPPORT (IN)
40. 1/4"	4d CASING (1 1/2"x0.080"); OR 4d FINISH (1 1/2"x0.072")	6	12
41. 3/8"	6d CASING (2"x0.099"); OR 6d FINISH (2"x0.092") (PANEL SUPPORT AT 24")	6	12

GENERAL:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE BEFORE STARTING WORK, AND SHALL NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
2. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
3. NOTES AND DETAILS ON THE DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
4. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THESE STRUCTURAL DRAWINGS.
5. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH LOCAL STANDARDS AND THE APPLICABLE PROVISIONS OF THE 2022 CALIFORNIA BUILDING CODE AS AMENDED BY THE CITY.
6. WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN ON THE DRAWINGS.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, UNLESS OTHERWISE INDICATED. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR CONSTRUCTION EQUIPMENT, SHORING FOR THE BUILDING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES, ETC. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE OR SHE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES. OBSERVATION VISITS TO THE SITE BY THE ENGINEER SHALL NOT CONSTITUTE INSPECTION OF THE ABOVE ITEMS.
8. OPENINGS, POCKETS, SLEEVES, BLOCK-OUTS, ETC. SHALL NOT BE PLACED IN SLABS, BEAMS, GIRDERS, COLUMNS, WALLS, FOUNDATIONS, ETC. UNLESS SPECIFICALLY DETAILED ON THESE STRUCTURAL DRAWINGS. THE ENGINEER SHALL BE NOTIFIED WHEN OTHER DRAWINGS SHOW OPENINGS, POCKETS, SLEEVES, BLOCK-OUTS, ETC. THAT ARE NOT SHOWN ON THESE STRUCTURAL DRAWINGS.
9. NO PIPES OR DUCTS SHALL BE PLACED IN FOUNDATION UNLESS SPECIFICALLY SHOWN OR NOTED ON THESE STRUCTURAL DRAWINGS. NO STRUCTURAL MEMBER SHALL BE CUT FOR PIPES, DUCTS, ETC, UNLESS SPECIFICALLY SHOWN.
10. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF DETAILS FOR AVOIDING THE INTERFERENCE OF MATERIALS TO BE EMBEDDED IN CONCRETE INCLUDING BUT NOT LIMITED TO REINFORCING STEEL, MISCELLANEOUS STEEL AND CONDUITS. THIS IS BEST ACCOMPLISHED THROUGH CAREFUL COORDINATION OF SHOP DRAWINGS.
11. PRIOR TO BEGINNING EXCAVATION, THE CONTRACTOR SHALL LOCATE EXISTING UTILITY SERVICES IN AREAS TO BE EXCAVATED.
12. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING EXISTING UTILITIES IN THE WORK AREA AND SHALL REPAIR ANY DAMAGE CAUSED BY HIS OR HER OPERATIONS AT HIS OR HER OWN COST.
13. ALL ASTM STANDARDS LISTED HEREIN, SHALL BE OF THE ISSUE LISTED IN THE CURRENT ANNUAL BOOK OF STANDARDS SECTION 04, VOLUME 04.10 OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS.
14. CONTRACTOR SHALL VERIFY THE SITE CONDITIONS ARE ACCEPTABLE FOR THE PROPOSED CONSTRUCTION.
15. THE SPECIAL INSPECTOR MUST BE APPROVED BY THE CITY.
16. THE TESTING LABORATORY MUST BE APPROVED BY THE CITY.

SOILS CONDITION:

1. ALL NEW WORK IS DESIGNED USING AN ALLOWABLE SOIL BEARING OF 1500 PSF PER 'CBC 2022 TABLE 1806.2 SOIL CLASS 5'.
2. THE STRUCTURE(S) WILL BE LOCATED ENTIRELY ON NATIVE/UNDISTURBED SOIL.
3. IF THE BUILDING INSPECTOR SUSPECTS EXPANSIVE SOILS BASED ON OBSERVATION OF THE FOUNDATION EXCAVATION, HE MAY REQUIRE SOIL EXPANSION INDEX TESTS IN ACCORDANCE WITH CBC SEC. [illegible].

WOOD NOTES:

1. ALL WOOD MEMBERS SHALL BE DOUGLAS FIR/LARCH, CONFORMING TO THE CBC STANDARD 23-1 USING CURRENT WWPA GRADING RULES, UNLESS OTHERWISE NOTED. EACH PIECE OF LUMBER SHALL BE GRADE MARKED.
   HORIZONTAL FRAMING
   MEMBERS: .... THICKNESS 2X" & 3X": NO.2
   ALL OTHER HORIZONTAL MEMBERS: NO.1, U.N.O.
   VERTICAL FRAMING
   MEMBERS: .... 4X AND 6X POSTS: NO.1
   ALL OTHER VERTICAL MEMBERS: NO.2
   STUDS: CONSTRUCTION, U.N.O.
2. ALL PLYWOOD SHALL CONFORM TO CBC STANDARD 23-2 AND SHALL BE IDENTIFIED WITH APA GRADE MARK. SEE PLANS FOR THICKNESS.
   ROOF SHEATHING: .....5/8": STRUCTURAL I ([illegible]) OR ICC EQUAL
   FLOOR SHEATHING: ....3/4": STRUCTURAL I ([illegible]) OR ICC EQUAL
   WALL SHEATHING: .....1/2": STRUCTURAL I ([illegible]) OR ICC EQUAL
3. RUN LONG DIMENSION OF PLYWOOD PERPENDICULAR TO FRAMING MEMBERS. NAIL AS INDICATED ON PLANS WITH COMMON WIRE NAILS. PROVIDE 2X OR 3X BLOCKING AT JOINTS PERPENDICULAR TO FRAMING MEMBERS AS INDICATED ON PLAN. ALL FRAMING MEMBERS SHALL BE ON A 4'-0" MODULE TO COINCIDE WITH PLYWOOD PATTERN.
4. 2" SOLID BLK SHALL BE PLACED BTWN ALL JSTS AND RAFTERS AT SUPPORTS.
5. LAG SCREWS: PREDRILL WITH A BIT SIZE OF 60% OF THE SHANK DIA FOR THE THREADED PORTION. LEAD HOLES SHALL BE SAME LENGTH AS UNTHREADED SHANK AND THE SAME DIA AS THE SHANK. SCREW ALL LAGS INTO PLACE. CUT WASHERS SHALL BE PROVIDED UNDER HEADS WHICH BEAR ON WOOD.
6. BOLTS IN WOOD SHALL NOT BE LESS THAN 7 DIA FROM THE END AND 4 DIA FROM THE EDGE UNLESS OTHERWISE DETAILED.
7. NO CHECKS OR SPLITS ALLOWED AT AREAS TO BE BOLTED.
8. SEE SHEAR WALL SCHEDULE AND DRAWINGS FOR REQUIREMENTS FOR SHEAR WALLS.
9. ALL CONNECTORS SHALL BE BY SIMPSON STRONG-TIE COMPANY OR ICC EQUAL.
10. DIAPHRAGM (VERTICAL AND HORIZONTAL) SHTG NAILS OR OTHER APPROVED CONNECTORS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN IS FLUSH W/ THE SURFACE OF THE SHTG.
11. FASTENERS IN P.T. WOOD & FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
12. WOOD FRAMING MEMBERS, INCLUDING SHTG, RESTING ON EXTERIOR WALLS AND ARE LESS THAN 8" FROM EXPOSED EARTH SHALL BE P.T. WOOD.
13. ALL DIMENSIONED STRUCTURAL LUMBER SHALL BE S4S DOUGLAS FIR-LARCH (DFL), VISUALLY GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB) STANDARD NO. 17 GRADING RULES FOR WEST COAST LUMBER 2004, OR THE WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) WESTERN LUMBER GRADING RULES 2011.
14. BEAMS & STRINGERS (B&S), AND POST & TIMBERS (P&T), SHALL BE "ROUGH CUT" DFL, VISUALLY GRADED IN ACCORDANCE WITH WCLIB STANDARD NO. 17 GRADING RULES FOR WEST COAST LUMBER 2004.
15. SAWN STRUCTURAL LUMBER SHALL BE STAMPED "S-DRY", "KD", OR "KD-HT" WITH A MAXIMUM DELIVERED MOISTURE CONTENT OF 19%.
16. FURNISH SAWN STRUCTURAL LUMBER ACCORDING TO THE FOLLOWING STRESS GRADES UNO:

STRUCTURAL LUMBER MEMBER GRADES		
MEMBER SIZE & LOCATION	GRADE	REMARKS
ALL STUDS	NO.2	-
ALL 4x & LARGER POSTS	NO.1	-
POSTS & TIMBERS (P&T)	NO.1	-
2x & 4x BEAMS, JOISTS & RAFTERS	NO.2	-
BEAMS & STRINGERS (B&S)	NO.1	-
TOP, SILL/SOLE PLATES	NO.2	-
STAIR STRINGERS	NO.2	-
LEDGERS & NAILERS	NO.2	-
BLOCKING	NO.2	-
MISCELLANEOUS	NO.2	-

SHEET INDEX

S0.1	DESIGN CRITERIA & GENERAL NOTES
S0.2	GENERAL NOTES
S1.0	FOUNDATION & ROOF FRAMING PLAN
S1.1	FOUNDATION PLAN
S1.2	TEMPLE LEVEL - 1 ROOF FRAMING PLAN
S1.3	TEMPLE LEVEL - 2 ROOF FRAMING PLAN
S1.4	TEMPLE LEVEL - 3 ROOF FRAMING PLAN
S2.0	FOUNDATION DETAILS - 1
S2.1	FOUNDATION DETAILS - 2
S2.2	FRAMING DETAILS - 1
S2.3	FRAMING DETAILS - 2

DESIGN CRITERIA

CODE & DESIGN CRITERIA			
1.	LOCAL JURISDICTION:		SACRAMENTO COUNTY
2.	APPLICABLE BUILDING CODE		2022 CBC
3.	RISK CATEGORY OF BUILDING:		III
4.	GRAVITY DESIGN LOADS:		
	- ROOF DEAD LOAD (CBC 1606)	D =	20 PSF
	- ROOF LIVE LOAD (CBC 1603.1.2)	Lr =	20 PSF
5.	LATERAL DESIGN LOADS:		
5.1	WIND LOADS (ASCE§28.6 MWFRS ENCL SIMPLE DIAPH LOW-RISE BLDG.):		
	- IMPORTANCE FACTOR:	Iw =	1.00
	- BASIC WIND SPEED (3-SECOND GUST):	V =	94 MPH
	- EXPOSURE CATEGORY:		C
	- TOPOGRAPHIC FACTOR:	Kzt =	1.0
5.2	SEISMIC LOADS (ASCE§12.8 SLRS EQUIV. LATERAL FORCE PROCEDURE):		
	- IMPORTANCE FACTOR:	Ie =	1.25
	- SITE CLASS:		DE
	SEISMIC GROUND MOTION PARAMETERS:		
	- MAPPED MCE ACCELERATION @ SHORT-PERIODS:	Ss =	0.55g
	- MAPPED MCE ACCELERATION @ A PERIOD OF 1-SECOND:	S1 =	0.21g
	- SPECTRAL RESPONSE ACCELERATION @ SHORT-PERIODS:	SMS =	0.99g
	- SPECTRAL RESPONSE ACCELERATION @ A PERIOD OF 1-SECOND:	SM1 =	0.77g
	- DESIGN ACCELERATION @ SHORT-PERIODS:	Sds =	0.66g
	- DESIGN ACCELERATION @ A PERIOD OF 1-SECOND	Sd1 =	0.51g
	SEISMIC DESIGN CATEGORY:		D
	SEISMIC FORCE-RESISTING SYSTEM: LIGHT - FRAME (WOOD) WALLS SHEATHED WITH WOOD STRUCTURAL PANELS		
	SEISMIC RESPONSE COEFFICIENT:	Cs =	0.1269
	SLRS NS & EW DIRECTIONS:		
	- RESPONSE MODIFICATION FACTOR:	R =	6.5
	- SYSTEM OVERSTRENGTH FACTOR	Ω =	2.5*> 2.0
	- DEFLECTION AMPLIFICATION FACTOR:	Cd =	4
	- ALLOWABLE STORY DRIFT:		2%
	- REDUNDANCY FACTOR	RHO =	1.0
	SEISMIC FORCE-RESISTING SYSTEM: STEEL ORDINARY MOMENT FRAMES		
	SEISMIC RESPONSE COEFFICIENT:	Cs =	0.2356
	SLRS NS & EW DIRECTIONS:		
	- RESPONSE MODIFICATION FACTOR:	R =	3.5
	- SYSTEM OVERSTRENGTH FACTOR	Ω =	3.0*> 2.0
	- DEFLECTION AMPLIFICATION FACTOR:	Cd =	3
	- ALLOWABLE STORY DRIFT:		2%
	- REDUNDANCY FACTOR	RHO =	1.0

*OVERSTRENGTH FACTOR REDUCED BY 1/2, FOR FLEXIBLE DIAPHRAGMS, PER ASCE 7 T. 12.2-1 FOOTNOTE "g."

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. SPECIFIED 28-DAY CONCRETE COMPRESSIVE STRENGTHS (FC)
   FOOTINGS 3000 PSI
   SLABS ON GRADE 3000 PSI
   THE MAXIMUM AGGREGATE SIZE SHALL BE 3/4" - OR PUMP DELIVERED CONCRETE.
3. REINFORCEMENT ANCHOR BOLTS SLEEVES, AND OTHER SUCH ITEMS TO BE CAST MONOLITHICALLY IN CONCRETE SHALL BE SECURELY FASTENED AND IN PLACE PRIOR TO PLACING THE CONCRETE.

SLAB-ON-GRADE

1. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, EDGES IN GRADE BEAMS, FOUNDATION WALLS AND PIERS.
2. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED SPECIFIED COMPRESSIVE STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOOR IS COMPLETELY IN PLACE AND HAS ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OF SHORING AND/OR SHEETING. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB ABOVE IS IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS.
3. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS.
4. PROVIDE SAW CUT CONTROL JOINTS IN ALL SLABS-ON-GRADE. LOCATE JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED PER THE TABLE BELOW, UNLESS NOTED OTHERWISE. CONTROL JOINTS SHALL BE CONTINUOUS, NOT STAGGERED OR OFFSET. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5 TO 1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS FORMED IN SLAB ON GRADE.

SLAB ON GRADE THICKNESS	MAX JOINT SPACING
4"	12'-0"
5"	15'-0"
6"	18'-0"
8"	24'-0"
10"	30'-0"
12"	36'-0"

5. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE WATER, GROUND WATER OR SEEPAGE.
6. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEETING, AND SHORING REQUIRED TO SAFELY RETAIN EARTH BANKS AS REQUIRED.

SHEET INDEX

S0.1	GENERAL NOTES & DESIGN CRITERIA
S0.2	GENERAL NOTES
S1.0	SERVICE BUILDING FOUNDATION & ROOF FRAMING PLAN
S1.1	TEMPLE FOUNDATION PLAN
S1.2	TEMPLE LEVEL - 1 ROOF FRAMING PLAN
S1.3	TEMPLE LEVEL - 2 ROOF FRAMING PLAN
S1.4	TEMPLE LEVEL - 3 ROOF FRAMING PLAN
S2.0	FOUNDATION DETAILS - 1
S2.1	FOUNDATION DETAILS - 1
S2.2	FRAMING DETAILS - 1
S2.3	FRAMING DETAILS - 2
S2.4	TYP STEEL DETAILS - 1
S2.5	TYP STEEL DETAILS - 2

REVISIONS

DRAWING TITLE: GENERAL NOTES & DESIGN CRITERIA
PROJECT: IU-MIEN BUDDHIST TEMPLE
WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

DATE: 12-07-2024
PROJECT NO: 24641
DRAWN BY: MP
REVIEWED BY: CDP

S0.1

CAST - IN - PLACE CONCRETE NOTES

1. SLEEVES, PIPES, OR CONDUITS SHALL NOT BE PLACED THROUGH CONTINUOUS OR SPREAD FOOTINGS, GRADE BEAMS, PILE CAPS, OR TIE BEAMS, UNLESS SPECIFICALLY DETAILED BY THE SEOR.
2. PIPES AND CONDUITS SHALL NOT BE PLACED IN ANY CONCRETE SLAB OR WALL LESS THAN FOUR (4) INCHES THICK. IF PIPE OR CONDUIT IS PLACED IN CONCRETE SLAB OR WALL, THE OUTSIDE DIAMETER SHALL NOT EXCEED ONE-THIRD THE MEMBER THICKNESS, NOR TWO (2) INCHES, U.N.O. THE MINIMUM CLEAR DISTANCE BETWEEN PIPES/CONDUITS SHALL BE THREE (3) INCHES, AND SHALL BE PLACED IN THE MIDDLE THIRD OF THE SLAB OR WALL.
3. ANCHOR BOLTS, HOLDOWN BOLTS, DOWELS, INSERTS, ETC., SHALL BE SECURELY TIED IN PLACE PRIOR TO POURING CONCRETE.
4. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY, BY A CIVIL OR STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA, AND APPROVED BY THE SEOR PRIOR TO USE. READY-MIX CONCRETE SHALL BE MIXED, AND DELIVERED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM C94. AS AN ALTERNATE, QUIKRETE PREPACKAGED DRY CONCRETE MIX MAY BE USED IN LIEU OF READY-MIX CONCRETE WHEN TOTAL CONCRETE POUR FOR THE PROJECT DOES NOT EXCEED TWO (2) CUBIC YARDS.
5. U.N.O. ALL CONCRETE SHALL BE NORMAL WEIGHT (NWC) HARD ROCK TYPE.
6. ADMIXTURES SHALL BE USED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND PRINTED INSTRUCTIONS.
7. CONCRETE CONSTITUENT MATERIALS SHALL BE FURNISHED IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, AND TYPES/GRADES:

CONSTITUENT	ASTM SPECIFICATION	TYPE/GRADE	REMARKS
NORMAL WEIGHT CONCRETE (NWC):			145 PCF MAX.
- PORTLAND CEMENT	C150	II, OR V	
- FINE AGGREGATE	C33		
- COARSE AGGREGATE	C33		
WATER:	C1602		NOTE 10
PREPACKAGED DRY CONCRETE MIX:	C387		QUIKRETE MIX #1101

8. CONCRETE SHALL BE FURNISHED WITH THE FOLLOWING PROPERTIES, ACCORDING TO ITS USE:

USE	TYPE	28-DAY COMP. STRENGTH (PSI)	W/CM RATIO	NOM. MAX. LARGE AGG.	MAX. SLUMP
SLAB ON GRADE	NWC	3,000	0.50	1"	4"
FOOTINGS	NWC	3,000	0.50	1"	4"

9. TO PROMOTE ADEQUATE CONCRETE DURABILITY, MIX DESIGNS SHALL TAKE INTO CONSIDERATION THE ANTICIPATED IN-SERVICE CONDITIONS ACCORDING TO THE FOLLOWING EXPOSURE CATEGORIES AND CLASSES:

CONCRETE EXPOSURE CATEGORY & CLASS			
CATEGORY	SEVERITY	CLASS	REMARKS
F - FREEZING & THAWING	NOT APPLICABLE	F0	
S - SULFATE	MODERATE	S1	
P - REQUIRING LOW PERMEABILITY	NOT APPLICABLE	P0	
C - CORROSION PROTECTION OF REINF.	MODERATE	C1	

NOTE: CONCRETE EXPOSURE CATEGORY & CLASS RECOMMENDATIONS HEREIN SHALL NOT TAKE PRECEDENCE OVER THE RECOMMENDATIONS OF THE GEOTECHNICAL OR CIVIL ENGINEER. NOTIFY SEOR OF ANY CONFLICTS BEFORE FINALIZING MIX DESIGN.

10. USE CLEAN, POTABLE WATER, FREE OF DELETERIOUS MATERIALS AND HIGH CONCENTRATIONS OF SALTS. WATER-SOLUBLE CHLORIDE ION CONTENT, IN PERCENT BY WEIGHT OF CEMENT, SHALL BE IN ACCORDANCE WITH ACI 318 T4.3.1.
11. SEE ARCHITECTURAL AND/OR MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL INFO AND REQUIREMENTS ON FOLLOWING ITEMS (WHICH MAY NOT BE SHOWN ON THESE DRAWINGS). NOTIFY ARCHITECT, AND SEOR OF ANY CONFLICTS BEFORE CONSTRUCTION:
   - LOCATIONS OF CONCRETE CURBS, RAMPS, DEPRESSIONS, PITS AND HOUSEKEEPING PADS, ETC.
   - MISCELLANEOUS ITEMS TO BE CAST INTO CONCRETE, SUCH AS, MOLDS, GROOVES, ORNAMENTS, CLIPS, OR CONCRETE-ENCASED GROUNDING ELECTRODES (UFER).
   - EXPANSION JOINTS, SCORING, ETC., FOR CONCRETE WALKS, AND SLABS.
   - ADDITIONAL INFORMATION AND REQUIREMENTS FOR EXPOSED ARCHITECTURAL CONCRETE.
12. PROVIDE 3/4 INCH CHAMFERS AT ALL EXPOSED CONCRETE EDGES, U.N.O.
13. AT LOCATIONS WHERE FRESH CONCRETE IS CAST AGAINST HARDENED CONCRETE AT NON-KEYED COLD JOINTS, ROUGHEN ALL CONTACT SURFACES TO 1/4 INCH AMPLITUDE AND CLEAN OF LAITANCE, FOREIGN MATTER AND LOOSE PARTICLES. AT LOCATIONS WHERE CONCRETE IS CAST AGAINST EXISTING MASONRY, THOROUGHLY ROUGHEN CONTACT SURFACES BY LIGHT SANDBLASTING OR OTHER SUITABLE MEANS AND CLEAN OF LAITANCE, FOREIGN MATTER AND LOOSE PARTICLES.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING OF STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM STANDARDS AS NOTED BELOW:

WIDE FLANGE SHAPES	ASTM A992	Fy = 50 KSI
16 GAUGE AND THINNER PURLINS & GIRTS	ASTM A1003, OR ST33H	Fy = 33 KSI
16 GAUGE AND THICKER PURLINS & GIRTS	ASTM A1003, OR ST50H	Fy = 50 KSI
OTHER ROLLED SHAPES	ASTM A36	Fy = 36 KSI
HSS SECTIONS, SQ/RECT	ASTM A500, GR B	Fy = 46 KSI
BASE AND CONNECTION PLATES	ASTM A36 / A572	Fy = 36 / 50 KSI
ANCHOR RODS	ASTM F1554, GR 36 / 55	FY = 36 / 55 KSI
HIGH STRENGTH BOLTS	ASTM F3125, GR A325	Fu = 120 KSI
HEAVY HEX NUTS	ASTM A563	
WASHERS	ASTM F436	
HEADED STUDS	ASTM A108, TYPE B	
ELECTRODES FOR ARC WELDING	AWS 5.1, E70XX	

3. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 / A490 HIGH-STRENGTH BOLTS". REFER TO DETAILS FOR BOLT SIZE AND MATERIAL ASTM DESIGNATION.
4. ALL BOLTED CONNECTION SHALL BE BEARING TYPE, UNLESS NOTED OTHERWISE.
5. STANDARD BOLT HOLES IN STEEL SHALL BE 1/16 INCH LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNO.
6. ALL WELDS SHALL CONFORM TO THE AMERICAN WELDING SOCIETY "STRUCTURAL WELDING CODE - STEEL (AWS D1.1) AND BE MADE WITH APPROVED ELECTRODES.
7. NON-SHRINK GROUT FOR BASE AND BEARING PLATES SHALL BE PRE-MIXED, NON-METALLIC, NON-CORROSIVE, NON-STAINING PRODUCTS CONTAINING SELECTED SILICA SAND, PORTLAND CEMENT, SHRINKAGE COMPENSATING AGENTS, PLASTICIZING AND WATER REDUCING AGENTS. MINIMUM COMPRESSIVE STRENGTH AT 28-DAYS SHALL BE 7,000 PSI.
8. FIELD CONNECTIONS SHALL BE WELDED OR BOLTED. SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. WELDS INDICATED WITH A SHOP WELD SYMBOL MAY BE MADE IN THE FIELD WITH THE APPROVAL OF THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT. LOCATIONS OF ALL FIELD WELDS SHALL BE CLEARLY SHOWN ON THE SHOP DRAWINGS. WELDS SHALL BE DESIGNED TO BE FULLY EQUIVALENT IN STRENGTH TO BOLTED CONNECTIONS DETAILED TO MINIMIZE BENDING IN THE CONNECTION.
9. REFER TO DRAWINGS FOR DETAIL OF DECK OPENINGS. REFER TO ARCHITECTURAL MECHANICAL, ELECTRICAL DRAWINGS, ETC., FOR EXACT SIZE, LOCATION, AND COUNT OF REQUIRED OPENINGS.
10. UNLESS NOTED OTHERWISE ALL WELDS SHALL BE CONTINUOUS 1/4" FILLET WELDS.
11. BOLTS IN SLOTTED HOLES SHALL BE LOCATED IN THE CENTER OF THE HOLE AFTER FIELD ASSEMBLY IS COMPLETE, UNLESS DETAILED OTHERWISE.
12. USE BACKING FOR ALL FULL PENETRATION WELDS. ALL FULL AND/OR PARTIAL PENETRATION WELDS SHALL BE FULLY DETAILED ON THE SHOP DRAWINGS.
13. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MOMENT FRAMES BOLTED BEAM TO COLUMN CONNECTIONS FRAMED IN EACH ORTHOGONAL DIRECTIONS (SEE PLAN SHEETS FOR LOCATIONS). THE COMPOSITE STEEL DECK AND CONCRETE FLOORS SERVE AS HORIZONTAL DIAPHRAGMS THAT DISTRIBUTE THE LATERAL WIND AND SEISMIC FORCES HORIZONTALLY TO THE VERTICAL LATERAL FRAMES. THE VERTICAL MOMENT FRAMES CARRY THE APPLIED LATERAL LOADS TO THE BUILDING FOUNDATION.
14. ALL STRUCTURAL STEEL SHALL CONFORM TO THE AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM) DESIGNATION GIVEN UNDER DESIGN CRITERIA HEREIN.
15. STRUCTURAL STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) "DETAILING FOR STEEL CONSTRUCTION" AND FABRICATED AND ERECTED IN ACCORDANCE WITH THE "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS."
16. THE STRUCTURAL STEEL FABRICATOR AND STEEL DECKING FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STRUCTURAL STEEL AND STEEL DECKING, RESPECTIVELY, FOR ARCHITECT'S REVIEW BEFORE FABRICATION.
17. WELD ACCESS HOLES SHALL BE FABRICATED IN ACCORDANCE WITH THE RECOMMENDATIONS OF AWS D1.1.
18. ALL WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED BY CERTIFIED WELDERS WITH EXPERIENCE AND CERTIFICATION IN THE TYPES OF WELDING CALLED FOR. WELDERS SHALL HAVE BEEN RECENTLY QUALIFIED AS PRESCRIBED IN "QUALIFICATION PROCEDURES" OF THE AMERICAN WELDING SOCIETY (AWS).
19. CUTS, HOLES (OPENINGS), ETC., REQUIRED IN STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES SHALL BE SHOWN ON THE SHOP DRAWINGS. BURNING OF HOLES AND CUTS IN THE FIELD SHALL NOT BE ALLOWED, EXCEPT BY WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER OF RECORD THROUGH THE ARCHITECT. NO HOLES SHALL BE CUT IN STRUCTURAL STEEL BY OTHER TRADES UNLESS SHOWN ON STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
20. FURNISH AND INSTALL MISCELLANEOUS STEEL (CURBS, HANGERS, EXPANSION JOINT ANGLES, STRUTS, ETC.) AS CALLED FOR OR AS NECESSARY PER ARCHITECTURAL AND MECHANICAL/ELECTRICAL DRAWINGS.
21. USE TENSION-CONTROL, "TWIST-OFF", BOLTS FOR ALL HIGH STRENGTH BOLTS REQUIRING FULL TENSION AS INDICATED ON THE DRAWINGS. TENSION-CONTROL BOLTS SHALL CONFORM TO THE APPROPRIATE ASTM STANDARD AS GIVEN UNDER DESIGN CRITERIA.

IBC 1705.2 - REQUIRED VERIFICATION AND INSPECTION FOR STRUCTURAL STEEL CONSTRUCTION (AISC 360 AND AISC 341)

VERIFICATION AND INSPECTION	C	P	NOTES/REFERENCES
• 1704.2.5 - INSPECT FABRICATOR'S FABRICATION AND QUALITY CONTROL PROCEDURES.		○	
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN AISC 360, CHAPTER N, PARAGRAPH 3.2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS).		○	
2. MATERIAL VERIFICATION OF STRUCTURAL STEEL.		●	
3. EMBEDMENTS (VERIFY DIAMETER, GRADE, TYPE, LENGTH, EMBEDMENT. SEE 1705.3 FOR ANCHORS).		●	
4. VERIFY MEMBER LOCATIONS, BRACES, STIFFENERS, AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPLY WITH CONSTRUCTION DOCUMENTS.		●	
5. STRUCTURAL STEEL WELDING:			
A. INSPECTION TASKS PRIOR TO WELDING (INSPECT FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-1).		○	
B. INSPECTION TASKS DURING WELDING (INSPECT FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-2).		○	
C. INSPECTION TASKS AFTER WELDING (INSPECT FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN AISC 360, TABLE N5.4-3).		○	
D. NONDESTRUCTIVE TESTING (NDT) OF WELDED JOINTS:			EXCEPTION: NDT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP, SEE AISC 360, N7.
1) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY III OR IV.		●	
2) COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY II.		●	
3) THERMALLY CUT SURFACES OF ACCESS HOLES WHEN MATERIAL T > 2".		●	
4) WELDED JOINTS SUBJECT TO FATIGUE WHEN REQUIRED BY AISC 360, APPENDIX 3, TABLE A-3.1.		●	
5) FABRICATOR'S NDT REPORTS WHEN FABRICATOR PERFORMS NDT.		○	
6. STRUCTURAL STEEL BOLTING:		○	
A. INSPECTION TASKS PRIOR TO BOLTING (INSPECT TASKS FOR EACH BOLTED CONNECTION, IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-1).		○	
B. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN AISC 360, TABLE N5.6-2).		○	
1) PRE-TENSIONED AND SLIP-CRITICAL JOINTS.		●	
2) SNUG-TIGHT JOINTS.		●	
C. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N5.6-3).		○	
7. INSPECTION OF STEEL ELEMENTS OF COMPOSITE CONSTRUCTION PRIOR TO CONCRETE PLACEMENT IN ACCORDANCE WITH QA TASKS LISTED IN AISC 360, TABLE N6.1.		○	

IBC TABLE 1705.3 - REQUIRED VERIFICATION AND INSPECTION FOR CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	C	P	NOTES/REFERENCES
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS AND PLACEMENT.		●	ACI 318: CH 20, 25.2, 25.3, 26.6.1-26.6.3; IBC 1908.4
2. INSPECTION OF REINFORCING BAR WELDING:		●	AWS D1.4; ACI 318: 26.6.4
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706		●	
B. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" AND		●	
C. INSPECT ALL OTHER WELDS	●		
3. INSPECTION OF ANCHORS CAST IN CONCRETE.		●	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS[4]. [EPOXIED ANCHORS]			
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATION TO RESIST SUSTAINED TENSION LOADS.	●		ACI 318: 17.8.2.4
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A		●	ACI 318: 17.8.2
5. VERIFYING USE OF REQUIRED DESIGN MIX.		●	ACI 318: CH. 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.			ASTM C172; ASTM C31; ACI 318: 26.5, 26.12; IBC 1908.10
7. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.		●	ACI 318: 26.5; IBC 1908.6, 1908.7, 1908.8
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE		●	ACI 318: 26.5.3-26.5.5
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		●	ACI 318: 26.11.1.2 (B)

CBC 1705.5 - REQUIRED VERIFICATION AND INSPECTION FOR WOOD CONSTRUCTION

VERIFICATION AND INSPECTION	C	P	NOTES/REFERENCES
1. INSPECT PREFABRICATED WOOD STRUCTURAL ELEMENTS AND ASSEMBLIES IN ACCORDANCE WITH SECTION 1704.2.5		●	
2. INSPECT SITE BUILT ASSEMBLIES.			
A. INSPECT HIGH-LOAD DIAPHRAGMS:			
1) VERIFY GRADE AND THICKNESS OF STRUCTURAL PANEL SHEATHING.		●	
2) VERIFY NOMINAL SIZE OF FRAMING MEMBERS AT ADJOINING PANEL EDGES. VERIFY NAIL OR STAPLE DIAMETER AND LENGTH, NUMBER OF FASTENER LINES, AND SPACING BETWEEN FASTENERS IN EACH LINE AND AT EDGE MARGINS.		●	
B. METAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GREATER OR 60" OR GREATER IN OVERALL HEIGHT:			
1) VERIFY THAT THE TEMPORARY INSTALLATION RESTRAINT BRACING AND THE PERMANENT INDIVIDUAL TRUSS MEMBER RESTRAINT BRACING ARE INSTALLED IN ACCORDANCE WITH THE APPROVED TRUSS SUBMITTAL PACKAGE.		●	

IBC TABLE 1705.6 - REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION	C	P	NOTES/REFERENCES
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		●	
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		●	
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		●	
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	●		
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		●	

CBC 1705.12 - REQUIRED VERIFICATION AND INSPECTION FOR SEISMIC RESISTANCE

VERIFICATION AND INSPECTION	C	P	NOTES/REFERENCES
1. STRUCTURAL STEEL SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			CBC 1705.12.1
A. INSPECTION OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC 341		○	AISC 341
2. STRUCTURAL WOOD SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			CBC 1705.12.2
A. INSPECTION OF FIELD GLUING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE RESISTING SYSTEM.	●		
B. INSPECTION OF NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE RESISTING SYSTEM. NOTE: NOT REQUIRED WHERE FASTENER SPACING OF THE SHEATHING IS MORE THAN 4" ON CENTER		●	
3. COLD-FORMED STEEL LIGHT-FRAME CONSTRUCTION SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			CBC 1705.12.3
A. INSPECTION DURING WELDING OPERATIONS OF ELEMENTS OF THE SEISMIC-FORCE-RESISTING SYSTEM.		●	
B. INSPECTIONS FOR SCREW ATTACHMENT, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC-FORCE RESISTING SYSTEM.		●	
4. DESIGNATED SEISMIC SYSTEMS VERIFICATION:			CBC 1705.12.4
A. INSPECT AND VERIFY THAT THAT THE COMPONENT LABEL, ANCHORAGE OR MOUNTING CONFORMS TO THE CERTIFICATE OF COMPLIANCE		●	
5. ARCHITECTURAL COMPONENTS SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			1705.12.5
A. INSPECTION DURING THE ERECTION AND FASTENING OF EXTERIOR CLADDING AND INTERIOR AND EXTERIOR VENEER.		●	
B. INSPECTION DURING THE ERECTION AND FASTENING OF INTERIOR AND EXTERIOR NONBEARING WALLS.		●	
C. INSPECTION DURING ANCHORAGE OF ACCESS FLOORS.		●	
6. PLUMBING, MECHANICAL AND ELECTRICAL COMPONENTS SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			CBC 1705.12.6
A. INSPECTION DURING THE ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY OR STANDBY POWER SYSTEMS.		●	
B. INSPECTION DURING THE ANCHORAGE OF OTHER ELECTRICAL EQUIPMENT.		●	
C. INSPECTION DURING INSTALLATION AND ANCHORAGE OF PIPING SYSTEMS DESIGNED TO CARRY HAZARDOUS MATERIALS, AND THEIR ASSOCIATED MECHANICAL UNITS.		●	
D. INSPECTION DURING THE INSTALLATION AND ANCHORAGE OF HVAC DUCTWORK THAT WILL CONTAIN HAZARDOUS MATERIALS.		●	
E. INSPECTION DURING THE INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS.		●	
F. INSPECTION DURING THE INSTALLATION OF MECHANICAL AND ELECTRICAL EQUIPMENT, INCLUDING DUCTWORK, PIPING AND THEIR STRUCTURAL SUPPORTS, WHERE FIRE SPRINKLER SYSTEMS ARE INSTALLED		●	
7. STORAGE RACKS SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE:			CBC 1705.12.7
A. INSPECTION DURING THE ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT		●	
8. SEISMIC ISOLATION SYSTEMS:			CBC 1705.12.8
A. INSPECTION DURING THE FABRICATION AND INSTALLATION OF ISOLATOR UNITS AND ENERGY DISSIPATION DEVICES USED AS PART OF THE SEISMIC ISOLATION SYSTEM.		●	
9. COLD-FORMED STEEL SPECIAL BOLTED MOMENT FRAMES		●	CBC 1705.12.9

NOTATIONS USED IN THE FOLLOWING TABLES:

●: DENOTES EITHER "C" CONTINUOUS OR "P" PERIODIC INSPECTIONS.

○: DENOTES AN ACTIVITY THAT IS EITHER A ONE-TIME ACTIVITY OR ONE WHOSE FREQUENCY IS ON A RANDOM BASIS OR IS DEFINED IN SOME OTHER MANNER.

ABBREVIATIONS

Ø	DIAMETER
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ALT	ALTERNATE
ANCH	ANCHOR
APA	APA- THE ENGINEERED WOOD ASSOCIATION
ARCH	ARCHITECT
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
BLDG	BUILDING
BLK'G	BLOCKING
BM	BEAM
BN	BOUNDARY NAIL
BOT	BOTTOM
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
C	CHANNEL, CAMBER
CANT	CANTILEVER(ED)
CIP	CAST IN PLACE
CJP	COMPLETE JOINT PENETRATION
CJ	CONTROL JOINT, CEILING JOIST
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CONTRACTOR'S OPTION
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE, COORDINATION
CTR	CENTER
CLNG	CEILING
CP	CONCRETE PIER
DBL	DOUBLE
DET	DETAIL
DF	DOUGLAS FIR LARCH
DIA, Ø	DIAMETER
DIM	DIMENSION
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DN	DOWN
DO	DITTO (REPEAT)
DWG	DRAWING
DWL	DOWEL
(E)	EXISTING
EA	EACH
EF	EACH FACE
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EMBED	EMBEDMENT
EN	EDGE NAIL, END NAIL
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
ES	EACH SIDE
EXP	EXPANSION
EXT	EXTERIOR
(F)	FUTURE
FND	FOUNDATION
FN	FIELD NAILING
FF	FINISHED FLOOR
FJ	FLOOR JOIST
FLR	FLOOR
FOC	FACE OF CONCRETE
FRM	FROM
FRMG	FRAMING
FS	FAR SIDE
FT	FOOT, FEET
FTG	FOOTING
GLB, GLULAM	GLUED LAMINATED BEAM
GA	GAUGE, GAGE
GALV	GALVANIZED
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GR	GRADE
GYP	GYPSUM BOARD
(H), HORIZ	HORIZONTAL
HD	HOLDOWN
HDR	HEADER
HK	HOOK
HGR	HANGER
HSS	HOLLOW STRUCTURAL STEEL
INFO	INFORMATION
INT	INTERIOR
JST	JOIST
JT	JOINT
K	KIP (1,000#)
KP	KING POST
KS	KING STUD

(LO)	LOW
L	ANGLE
Ld	BAR DEVELOPMENT LENGTH
Ldh	BAR HOOK DEVELOPMENT LENGTH
LB	POUND
LGR	LEDGER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
Ls	BAR SPLICE LENGTH
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
LWC	LIGHTWEIGHT CONCRETE
MANU	MANUFACTURER
MAS	MASONRY
MAT'L	MATERIAL
MAX	MAXIMUM
MECH'L	MECHANICAL
MEP	MECH'L, ELEC'L & PLB'G
MIN	MINIMUM
MISC	MISCELLANEOUS
(N)	NEW
NIC	NOT IN CONTRACT
NO	NUMBER
N-S	NORTH SOUTH
NWC	NORMAL WEIGHT CONCRETE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND
OPNG	OPENING
OSB	ORIENTED STRAND BOARD
PAF	POWER ACTUATED FASTENER
PB	POST BELOW
PC	PILE CAP
PCF	POUNDS PER CUBIC FOOT
PED	PEDESTAL
PEN	PENETRATION
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLYWD	PLYWOOD
PP	PER PLAN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PU	POST UP
PSL	PARALLEL STRAND LUMBER
PT	PRESERVATIVE TREATED
REF	REFERENCE
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION
RF	ROOF
RJ	ROOF JOIST(S)
RO	ROUGH OPENING
RR	ROOF RAFTER(S)
SAD	SEE ARCHITECTURAL DRAWINGS
SCHED	SCHEDULE
SHTG	SHEATHING
SIM	SIMILAR
SIMP	SIMPSON STRONG TIE (TM)
SMS	SHEET METAL SCREW
SOG	SLAB ON GRADE
SPECS	SPECIFICATION(S)
SQ	SQUARE
SS	STAINLESS STEEL
STAGG	STAGGER(ED)
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SUPP	SUPPORT
SW	SHEARWALL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
THK	THICK, THICKNESS
TN	TOE NAIL
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOP	TOP OF PLYWOOD, TOP OF PEDESTAL
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
(V), VERT	VERTICAL
VIF	VERIFY IN FIELD
VP	VAPOR BARRIER
(WO)	WHERE OCCURS
W/	WITH
W/O	WITHOUT
WD	WOOD
WF	WIDE FLANGE
WP	WORK POINT
WT	WEIGHT
WWF	WELDED WIRE FABRIC

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REVISIONS

DRAWING TITLE: GENERAL NOTES

PROJECT: IU MIEN BUDDHIST TEMPLE

WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

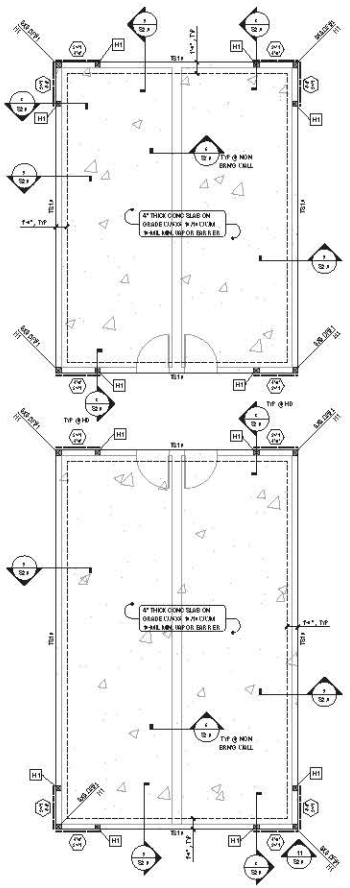
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PROJECT NO: 24541

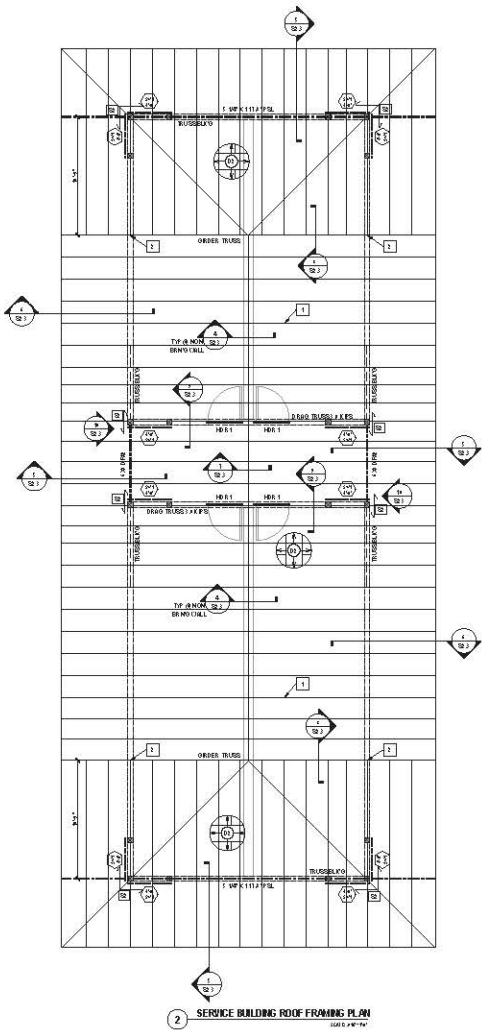
DRAWN BY: MP

REVIEWED BY: CDP

S0.2



1 SERVICE BUILDING FOUNDATION PLAN



2 SERVICE BUILDING ROOF FRAMING PLAN

FOUNDATION SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT	REMARKS
TS1#	CONT	1'-0"	1'-0"	(#) BOTTOM LONG STUD WALL	NOTE -2

NOTES:
1. REFER TO ARCHITECTURAL DRAWING FOR SLOG ELEVATION.
2. PROVIDE (#) @ 9" OC CLOSED LOOP STIRRUPS.

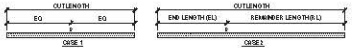
HOLD-DOWN SCHEDULE					
MARK	HOLD DOWN ASSEMBLY WITH FASTENERS	ASD TENSION CAPACITY (lbs)	ANCHOR BOLT	MINIMUM EMBED DEPTH / STRAP END LENGTH	MINIMUM POST / BEAM SIZE	REMARK
H1	HDU#-SDS2.5 (#) 1/4" x 2-1/2" SDS SCREWS	3,#15	5/8" DIA W	8'-5.5"	3.5"X3.5"	REF S.1.02 # & TOOLMAN

WOOD SHEAR WALL SCHEDULE									
MARK	SHEATHING	FASTENER	FASTENER SPACING		FRAMING MEMBER	END POST	GRADE	SHEAR CAPACITY (PLF)	SILL ANCHOR	REMARK
			PANEL EDGE	FIELD						
SW1	15/32" THK STRUCTURAL 1-ONE SIDE	10d NAIL	4" OC	12" OC	2X @ 16" OC	(2) 2X4	DF#2	2,###	1/2" Ø PFS 14-GR.14 - 3" MIN EMBED @ 24" OC	-

NOTES:
1. WOOD SHEATHING PANELS CAN BE INSTALLED VERTICALLY OR HORIZONTALLY. PROVIDE BLOCKING & TAIL EDGES OF SHEATHING, BLOCKING TO BE SAME MATERIAL AS WALL FRAMING. REFER TO S.1.02 2 (CONDITION - 5) FOR SHEAR WALL ELEVATIONS & FOUNDATION LEVEL.
2. HOLD-DOWN, SIMPSON STRONG-TIE PRODUCTS, PROVIDE SPECIFIED ITEM OR APPROVED EQUIVALENT.
3. ATTACHMENT PATTERN LISTED IS TO BE USED AT THE ENDS OF THE SHEATHING PANELS, AT (#) FEET OF NAILS TO THE SHEAR CWLL END POST.
4. THE SHEAR CAPACITIES PER OSC TABLE 2.1#.3 (C) & PER OSC-15 TABLE 4.3 A (UTILIZED) & REDUCTION FACTOR 2.#.

TIE STRAP SCHEDULE							
MARK	STRAP	MIN. # NAILING EACH SIDE	BACK NAIL SPACING			MIN. END LENGTH	MIN. ASD TENSION CAPACITY
			CASE 1	CASE 2			
				END LENGTH	REMAINDER LENGTH		
S1	CS-14	(14) 10d	9-0 @ 4"OC STGR	FILL ALL NAIL HOLES	9-0 @ 4"OC STGR	8"	1,###
S2	CS-14	(11) 10d	9-0 @ 4"OC STGR	FILL ALL NAIL HOLES	9-0 @ 4"OC STGR	16"	2,###

NOTES:
1. CASE 1 APPLIES UNLESS END LENGTH (EL) IS NOTED ON PLANS. WHERE END LENGTH (EL) IS NOTED, SEE CASE 2.



2. AS REQUIRED, PROVIDE CLOSER NAIL SPACING TO MEET THE MINIMUM NAILING EACH SIDE OF #.
3. LOCATE STRAP SO THE SHEATHING AND BLOCK UNDER STRAP CAPACITY IS NOT EXCEEDED WHERE NO FRAMING OCCURS, UNO.

DIAPHRAGM SCHEDULE							
MARK	PANEL GRADE	PERFORMANCE CATEGORY	NAILING (SHEATHING)	BLOCKING REQ'D	MIN. FRMG. THICKNESS	ASD SHEAR CAPACITY/PLF	ASD (LTP4 CLIP SPACING
D1	STRUCT I	1/4"	10 @ 4/12	UNBLOCKED	1X	9## PLF	24"OC

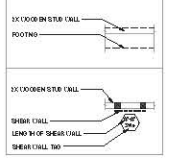
REVNOTES:

#	INDICATES NOTES APPLICABLE TO THIS PLAN ONLY.
1	PRE-ENGINEERED ROOF TRUSSES @ 24" OC - BY MANUFACTURE, TYP.
2	PROVIDE 2X STUD @ GIRDER TRUSS BEARING LOCATION, UNO.

PLAN NOTES:
1. LOCATE POSTS ON CENTER OF FOOTING AND VERIFY THE SIZE OF FOOTING PER PLAN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.
2. IF ANY SIZES ARE DIFFERENT THAN WHAT IS SHOWN ON DRAWINGS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
3. ALL WOOD FRAMING USED FOR EXTERIOR APPLICATION SHALL BE P.T. WOOD. FASTENERS IN P.T. WOOD & FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
4. SEE #/S.0.1 FOR POST MENDING DETAILS.
5. ALL POSTS SHALL BEAR DIRECTLY ON SILL PLATE, MIN 3-1/2" TO END SLIMIN.
6. ALL STEEL AND/OR HARDWARE SHALL BE TIED IN PLACE PRIOR TO POURING OF CONCRETE AT CONSTRUCTION.
7. CENTERLINE OF HOLDOWN ANCHORS SHALL MATCH CENTERLINE OF SILL FRAMING UNO.
8. WOOD SHALL BE 6" MIN. ABOVE FINISH GRADE. SEC. 1#.4.1.
9. REFER TO S.02.# FOR SLAB ON GRADE CONTROL & CONSTRUCTION JOINTS DETAIL.
10. REFER TO S.02.# FOR FOUNDATION & UTILITY DETAIL.
11. REFER TO S.02.# FOR CONTINUOUS FOUNDATION CORNER REINFORCEMENT DETAIL.
12. REFER TO S.02.# FOR TYP SLAB ON GRADE DETAIL.
13. REFER TO T.02.# FOR CONCEALED POST TIE (CPT) CONNECTORS DETAIL.
14. HDR INDICATES HEADER. REFER TO #-# & S.02.2 FOR DETAIL.
15. REFER TO S.02.3 FOR WOOD POST TO BEAM CONNECTION DETAIL.
16. REFER TO S.02.3 FOR STRAPS AROUND HDR CONNECTION TYP DETAIL.
17. ALL PSL ARE 3.2E PARALLAM.

LEGEND :

1X STUD BEAR NO CWLL	
1X STUD NONBEAR NO CWLL	
WOOD POST	
WOOD BEAM	
WOOD HEADER	HDR-#
STRAP	S##

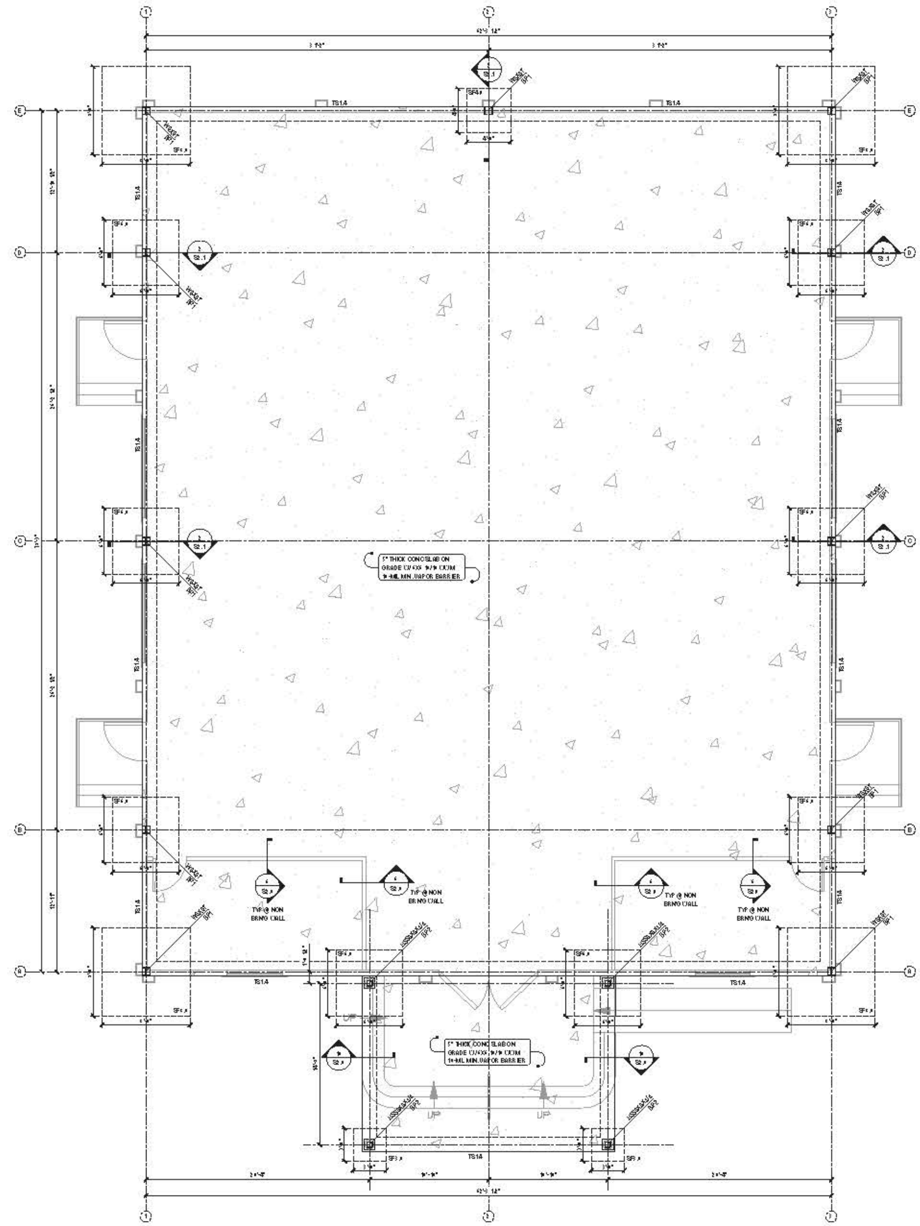


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REVISIONS

DRAWING TITLE: SERVICE BUILDING FOUNDATION & ROOF FRAMING PLAN
PROJECT: ILUMEN BUDDHIST TEMPLE
WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES
DATE: 12-07-2024
PROJECT NO: 24041
DRAWN BY: MP
REVISED BY: COP

S1.0



1 TEMPLE FOUNDATION PLAN

FOUNDATION SCHEDULE					
MARK	LENGTH	WIDTH	THICKNESS	REINFORCEMENT	REMARK
TS1.4	CONT	1'-4"	1'-0"	(2)#5 TOP & BOTTOM LONGITUDINAL	NOTE - 2
SF3.0	3'-0"	3'-0"	1'-0"	(4)#5 EACH WAY TOP & BOTTOM	-
SF4.0	4'-0"	4'-0"	1'-0"	(5)#5 EACH WAY TOP & BOTTOM	-
SF6.0	6'-0"	6'-0"	1'-0"	(6)#5 EACH WAY TOP & BOTTOM	-
SF8.0	8'-0"	8'-0"	1'-0"	(10)#5 EACH WAY TOP & BOTTOM	-

NOTES:

1. REFER TO ARCHITECTURAL DRAWING FOR SOG ELEVATION.
2. PROVIDE #4 @ 12" OC TOP AND BOTTOM AS TRANSVERSE REINFORCEMENT.
3. TOP OF SF##SHALL BE 6" BELOW FROM FINISHED SOG LEVEL, UNO.

PLAN NOTES :

1. LOCATE POSTS ON CENTER OF FOOTING AND VERIFY THE SIZE OF FOOTING PER PLAN. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.
2. IF ANY SIZES ARE DIFFERENT THAN WHAT IS SHOWN ON DRAWINGS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
3. ALL WOOD FRAMING USED FOR EXTERIOR APPLICATION SHALL BE P.T. WOOD. FASTENERS IN P.T. WOOD & FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
4. SEE ARCH DWG'S FOR DIMENSIONS NOT SHOWN.
5. ALL POSTS SHALL BEAR DIRECTLY ON SILL PLATE, W/2-16d TOENAILS MIN.
6. ALL STEEL AND/OR HARDWARE SHALL BE TIED IN PLACE PRIOR TO POURING OF CONCRETE AT CONSTRUCTION.
7. WOOD SHALL BE 6" MIN. ABOVE FINISH GRADE. SEC. 1806.1.
8. REFER TO 1/S2.0 FOR SLAB ON GRADE CONTROL & CONSTRUCTION JOINT DETAIL.
9. REFER TO 2/S2.0 FOR FOUNDATION AT UTILITY DETAIL.
10. REFER TO 4/S2.0 FOR CONTINUOUS FOUNDATION CORNER REINFORCEMENT DETAIL.
11. REFER TO 5/S2.0 FOR TYP SLAB ON GRADE DETAIL.
12. BP# INDICATE BASE PLATE. REFER DETAIL 3/S2.1.
13. REFER SHEET S2.4 & S2.5 FOR TYP STEEL CONNECTION DETAILS.

LEGEND :	
HSS COLUMN	□
WIDE FLANGE COLUMN	I
BASE PLATE	⌜⌟
2X WOODEN STUD WALL / FOOTING	

ENGINEER OF RECORD:
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REVISIONS

DRAWING TITLE
TEMPLE FOUNDATION PLAN

PROJECT:
ILUMEN BUDDHIST TEMPLE

WORK LOCATION:
6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

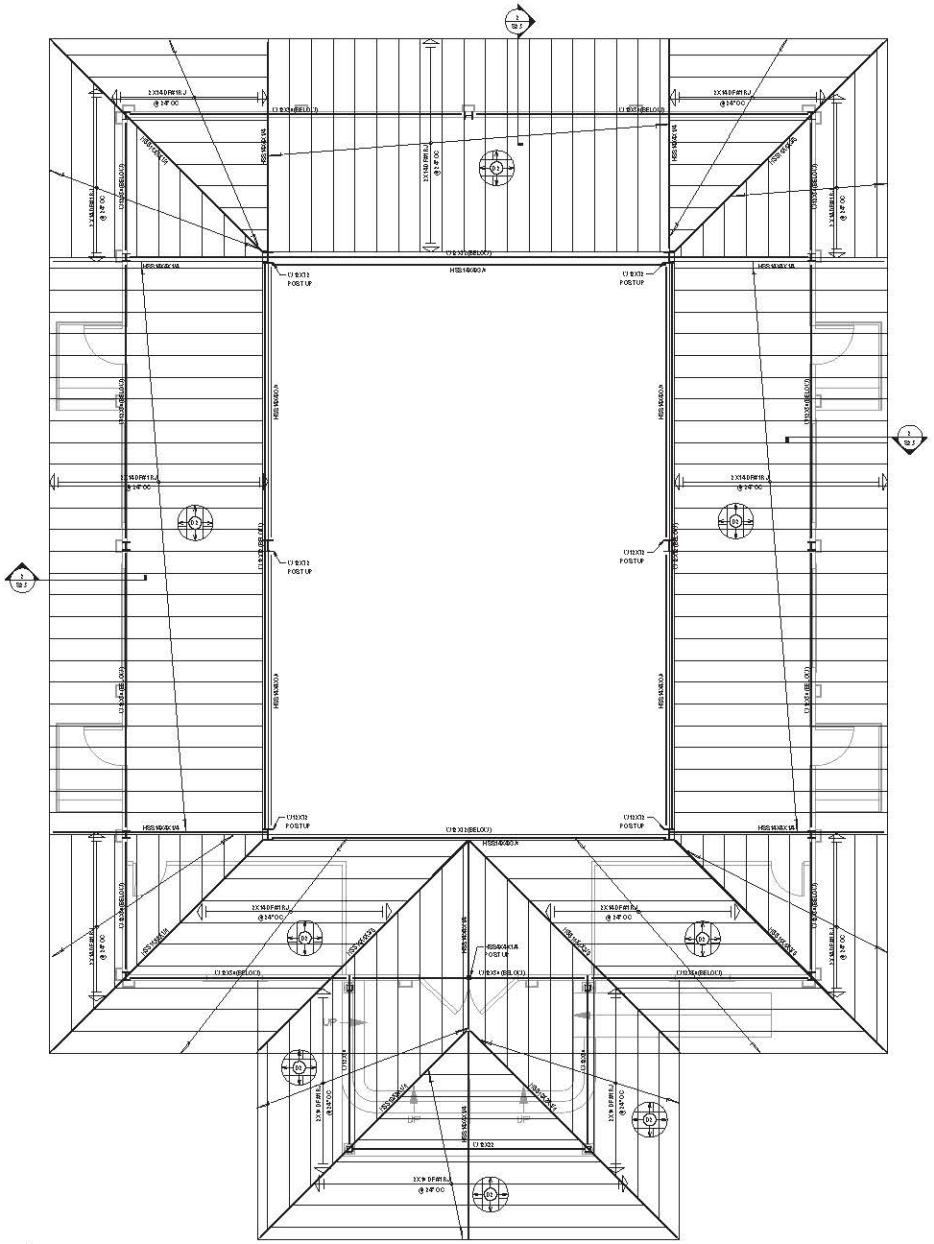
DATE
12-07-2024

PROJECT NO
24641

DRAWN BY
MP

REVIEWED BY
CDP

S1.1



1 TEMPLE LEVEL - 1 ROOF FRAMING PLAN
SCALE: 1/4"=1'-0"

	DIAPHRAGM SCHEDULE						
	PANEL GRADE	PERFORMANCE CATEGORY	NAILING (EDGE/FIELD)	BLOCKING REQ'D	MIN. FRMG. THICKNESS	ASD SHEAR CAPACITY PLF	NAIL/CLIP SPACING
D1	STRUCT-I	7A*	10d @ 4"/12"	UNBLOCKED	3"	9+ PLF	24" OC

PLAN NOTES:

1. IF ANY SIZES ARE DIFFERENT THAN WHAT IS SHOWN ON DRAWINGS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. ALL WOOD FRAMING USED FOR EXTERIOR APPLICATION SHALL BE P.T. WOOD. FASTENERS IN P.T. WOOD & FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
3. SEE ARCHITECT'S FOR DIMENSIONS THIS NOTE.
4. ALL STEEL AND/OR HARDWARE SHALL BE TIED IN PLACE PRIOR TO POURING OF CONCRETE AT CONSTRUCTION.
5. REFER SHEET S2.4 & S2.5 FOR THE STEEL CONNECTION DETAILS.

LEGEND :

HSS COLUMN	
I DE FLANGE COLUMN	
STEEL BEAM	
MOMENT CONNECTION	
ROOF FRAMING	SPAN / EXTENT

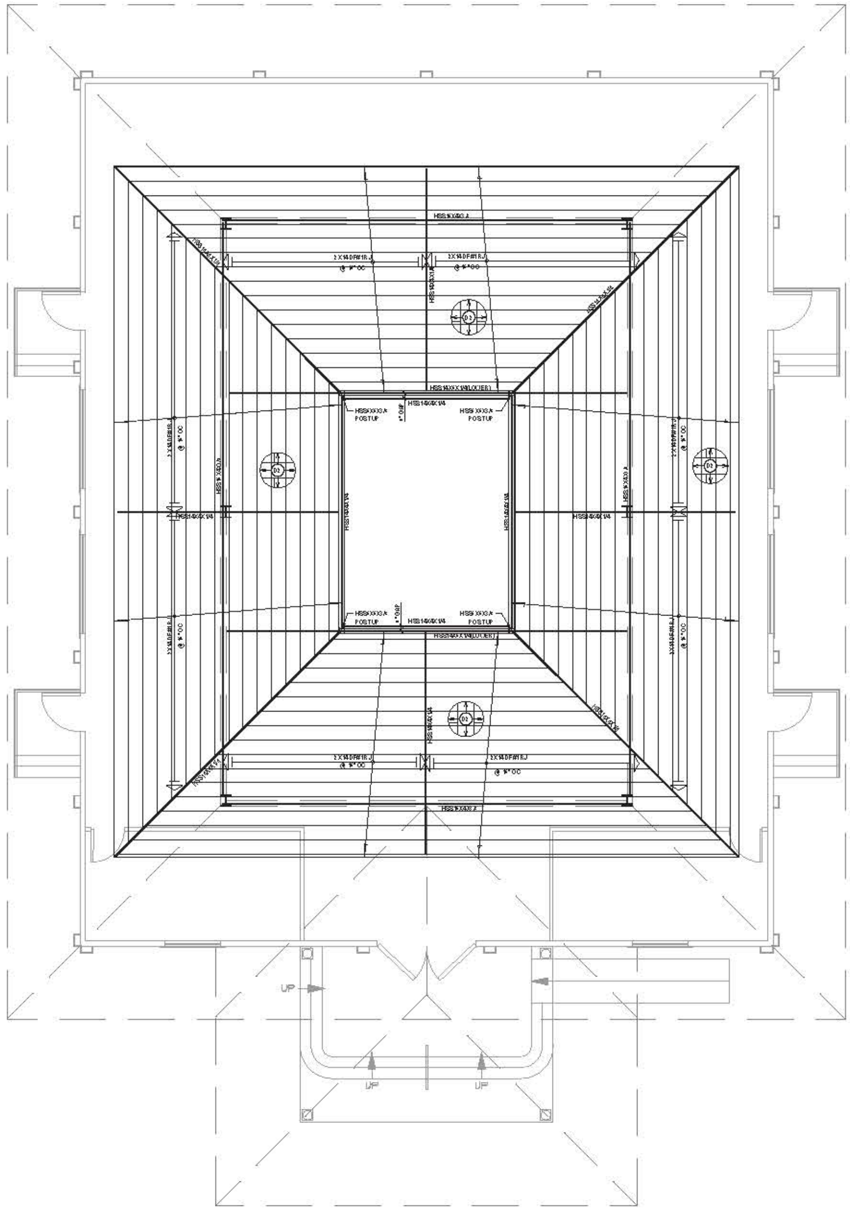
ENGINEER OF RECORD:
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909-557-6325
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REVISIONS

DRAWING TITLE: TEMPLE LEVEL - 1 ROOF FRAMING PLAN
PROJECT: LUMBINI BUDDHIST TEMPLE
WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

DATE: 12-07-2024
PROJECT NO: 24041
DRAWN BY: MP
REVISED BY: COP

S1.2



1 TEMPLE LEVEL - 2 ROOF FRAMING PLAN

	DIAPHRAGM SCHEDULE						
	PANEL GRADE	PERFORMANCE CATEGORY	NAILING (BN/EN/FN)	BLOCKING REQ'D	MIN. FRMG. THICKNESS	ASD SHEAR CAPACITY PLF	A35/LTP4 CLIP SPACING
D2	STRUC-I	5/8"	8d @ 6/6/12	UNBLOCKED	2X	[illegible] PLF	24" OC

PLAN NOTES :

1. IF ANY SIZES ARE DIFFERENT THAN WHAT IS SHOWN ON DRAWINGS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. ALL WOOD FRAMING USED FOR EXTERIOR APPLICATION SHALL BE P.T.WOOD. FASTENERS IN P.T. WOOD & FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
3. SEE ARCH DWG'S FOR DIMENSIONS NOT SHOWN.
4. ALL STEEL AND/OR HARDWARE SHALL BE TIED IN PLACE PRIOR TO POURING OF CONCRETE AT CONSTRUCTION.
5. REFER SHEET S2.4 & S2.5 FOR TYP STEEL CONNECTION DETAILS.

LEGEND :	
HSS COLUMN	☐
WIDE FLANGE COLUMN	I
STEEL BEAM	##
MOMENT CONNECTION	▶
ROOF FRAMING	EXTENT / SPAN

ENGINEER OF RECORD:
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LICENSED PROFESSIONAL ENGINEER
VENKATA ROHIT GRANDHI
No. C89708
CIVIL
STATE OF CALIFORNIA

REVISIONS

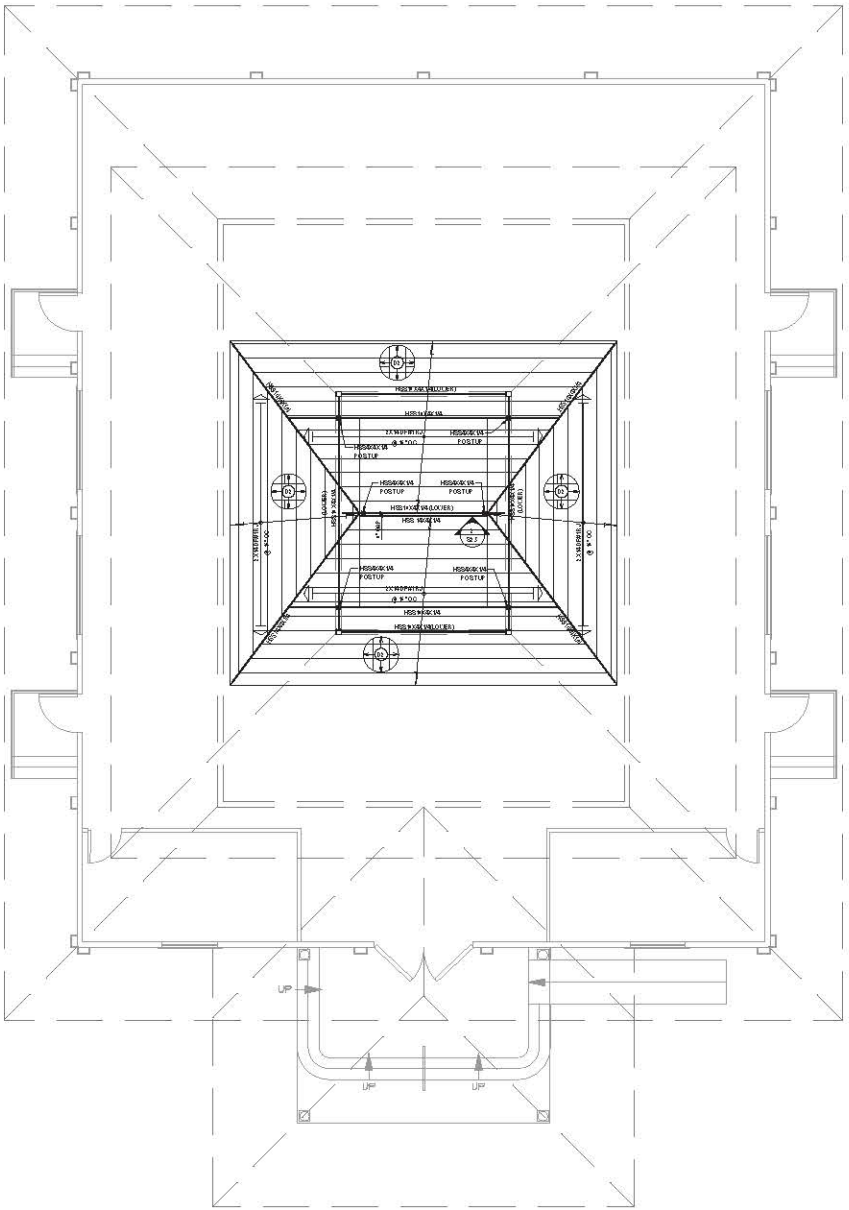
DRAWING TITLE
TEMPLE LEVEL - 2 ROOF FRAMING PLAN

PROJECT:
LUMBINI BUDDHIST TEMPLE

WORK LOCATION:
6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

DATE	12-07-2024
PROJECT NO	24641
DRAWN BY	MP
REVIEWED BY	CDP

S1.3



1 **TEMPLE LEVEL - 3 ROOF FRAMING PLAN**

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

	DIAPHRAGM SCHEDULE						
	PANEL GRADE	PERFORMANCE CATEGORY	NAILING (EDGE/FIE)	BLOCKING REQ'D	MIN. FRMG. THICKNESS	ASD SHEAR CAPACITY PLF	ASD (LTR) CLIP SPACING
R1	STRUC-I	1A*	4 d @ 4/12	UNBLOCKED	3 X	9 + PLF	24" OC

PLAN NOTES:

1. IF ANY SIZES ARE DIFFERENT THAN WHAT IS SHOWN ON DRAWINGS, ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
2. ALL WOOD FRAMING USED FOR EXTERIOR APPLICATION SHALL BE P.T. WOOD. FASTENERS IN P.T. WOOD & FIRE RETARDANT WOOD SHALL BE OF HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
3. SEE ARCHITECT'S FOR DIMENSIONS NOT SHOWN.
4. ALL STEEL AND/OR HARDWARE SHALL BE TIED IN PLACE PRIOR TO POURING OF CONCRETE AT CONSTRUCTION.
5. REFER SHEET S2.4 & S2.5 FOR TYP STEEL CONNECTION DETAILS.

LEGEND :	
HSS COLUMN	
WIDE FLANGE COLUMN	
STEEL BEAM	
MOMENT CONNECTION	
ROOF FRAMING	SPAN / EXTENT

ENGINEER OF RECORD:
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REVISIONS

DRAWING TITLE: TEMPLE LEVEL - 3 ROOF FRAMING PLAN

PROJECT: ILUMEN BUDDHIST TEMPLE

WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

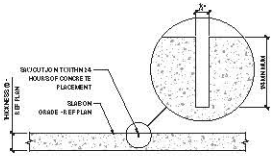
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PROJECT NO: 24041

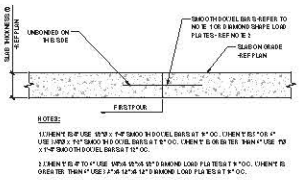
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S1.4

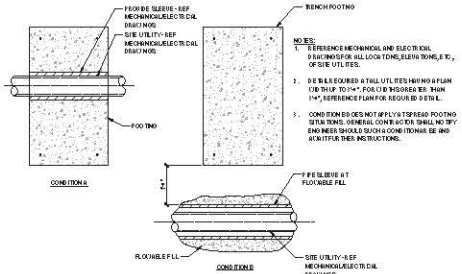


CONTROL JOINT



CONSTRUCTION JOINT

1 TYP SLAB ON GRADE CONTROL & CONSTRUCTION JOINT

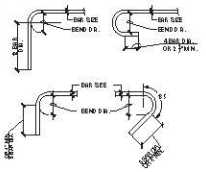


2 FOUNDATION DETAIL AT UTILITY

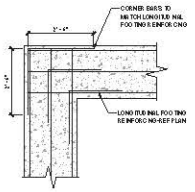
TABLE 1 - TYPICAL BAR TYPE REINFORCEMENT		
BAR BEND	BAR SIZE	MIN. BEND DIA.*
ALL GRADES OF REINFORCEMENT	#3 THRU #8	4 BAR DIA.
	#9, #10 & #11	6 BAR DIA.
	#14 & #18	9 BAR DIA.

TABLE 2 - STIRRUP & TIE REINFORCEMENT	
BAR SIZE	MIN. BEND DIA.*
#3 THRU #8	4 BAR DIA.
ALL OTHER BARS	SEE TABLE 1

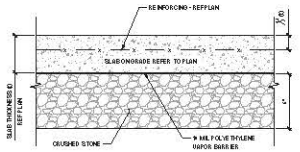
NOTES:
* MEASURED ON INSIDE OF BAR
1. ALL REINFORCEMENT IS COLD
2. FIELD BEND NO NOT PERMITTED U.O.N.



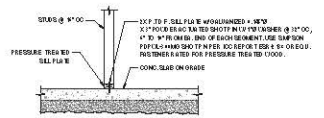
3 TYPICAL HOOK DETAILS



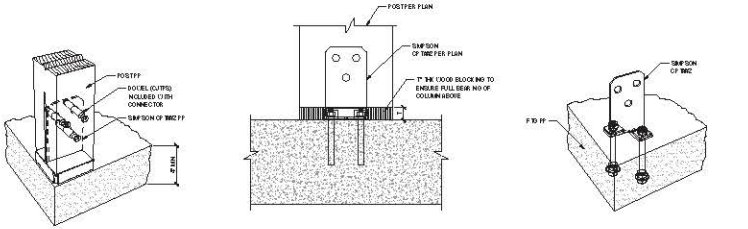
4 CORNER REINF. DETAIL



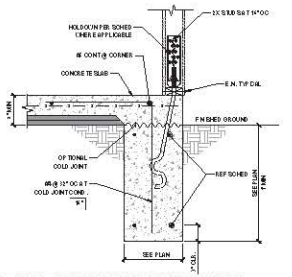
5 TYPICAL SLAB ON GRADE SECTION



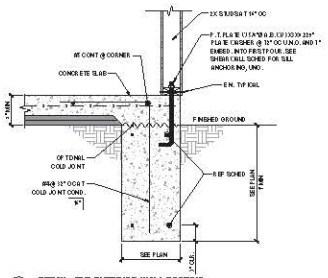
6 DETAIL - TYP NON-STRUCTURAL INTERIOR WALL



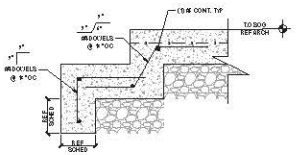
7 CONCEALED POST TIE (CPT) CONNECTOR DETAIL



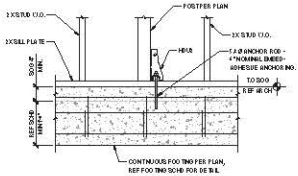
8 DETAIL - TYP EXTERIOR WALL FOOTING AT HOLDOWN



9 DETAIL - TYP EXTERIOR WALL FOOTING



10 TYP STEP DETAIL



11 DETAIL - COLUMN BASE CONNECTION

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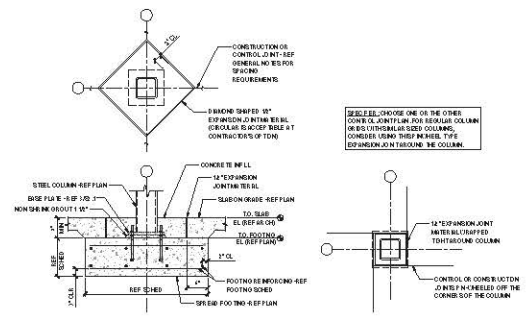
ISSUE DATE: 12.21.2024

ISSUE

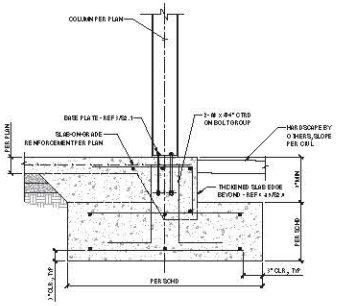
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PROJECT: LUMBINI BUDDHIST TEMPLE
DOOR LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

DATE: 12-07-2024
PROJECT NO: 24041
DRAWN BY: MP
REVIEWED BY: COP

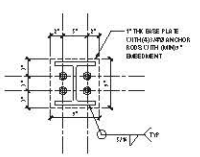
S2.0



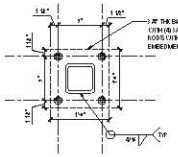
1 TYP FOOTING DETAIL - 1



2 TYP FOOTING DETAIL - 2

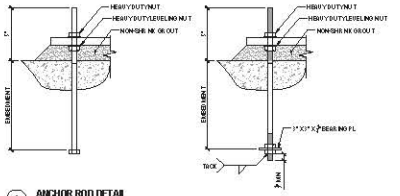


BP1 - BASE PLATE



BP2 - BASE PLATE

3 BASE PLATE DETAILS



4 ANCHOR ROD DETAIL

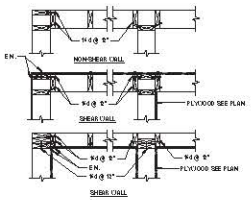
NOTES:
1. REFERENCE XS1.1 FOR TABLES FOR DIAMETER AND EMBEDMENT.
2. REFERENCE GENERAL NOTES FOR MATERIAL REQUIREMENTS.
3. ANCHOR RODS SHALL BE SET PRIOR TO PLACEMENT OF CONCRETE.
4. PROTECT ANCHOR RODS FROM DAMAGE.
5. ANCHOR SHALL BE SET SO AS NOT TO VARY FROM THE DIMENSIONS SHOWN ON THE ERECTION DRAWINGS BY MORE THAN THE FOLLOWING:
   a. 1/4" CENTER TO CENTER OF ANY TWO RODS WITHIN ANCHOR ROD GROUP.
   b. 1/4" CENTER TO CENTER OF ADJACENT ANCHOR ROD GROUPS, EXCEPTION OF THE TOP OF ANCHOR ROD SIZE 1 1/4".
   c. NO DIMENSIONAL VARIATION OF SIX PER HUNDRED FEET ALONG THE ESTABLISHED COLUMN LINE.
   d. 1/4" FROM THE CENTER OF ANY ANCHOR ROD GROUP TO THE ESTABLISHED COLUMN LINE THROUGH THAT GROUP. REFERENCE AISC CODE OF STANDARD PRACTICE FOR ADDITIONAL INFORMATION.
6. SET ANCHOR RODS PERPENDICULAR TO BEARING SURFACE, UNLESS NOTED OTHERWISE.
7. PROVIDE 1 1/2" NON-SHRINK GROUT ALL BASE PLATES.

ENGINEER OF RECORD:
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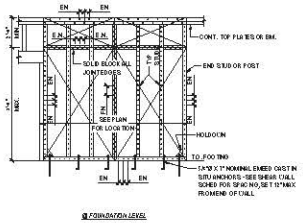
DRAWING TITLE:	FOUNDATION DETAILS - 2
PROJECT:	LUMBINI BUDDHIST TEMPLE
WORK LOCATION:	6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES
DATE	12-07-2024
PROJECT NO	24041
DRAWN BY	MP
REVIEWED BY	CDP

REVISIONS

S2.1

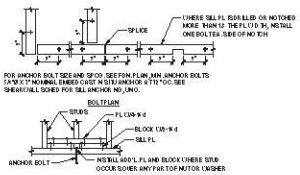


1 **STUD WALL INTERSECTIONS**



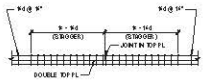
2 **DETAIL - TYP PLYWOOD SHEAR WALL**

NOTE:
1. SEE SHEAR CWLL SCHEDULE FOR MORE INFO. AND END PER SCHED.



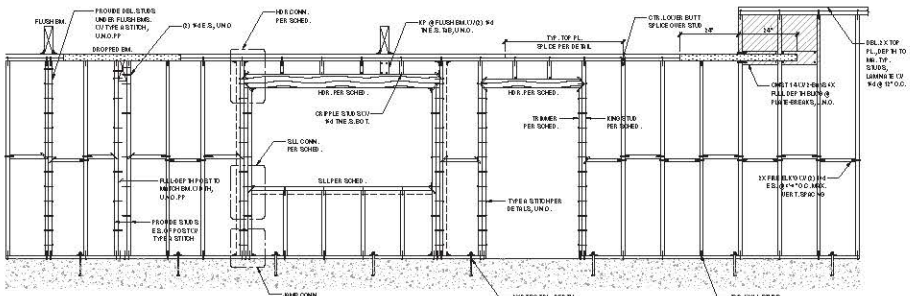
3 **DETAIL - STUD OVER SILL PLATE ANCHOR BOLT**

NOTE:
1. FOR A.B.'S USED WITH SHEAR CWLLS, USE ANCHOR BOLTS 1/4"Ø X 7" NOMINAL EMBED CAST IN SITU ANCHOR @ 7'-0" OC. SEE SHEAR CWLL SCHED FOR SILL ANCHORING, UNO.

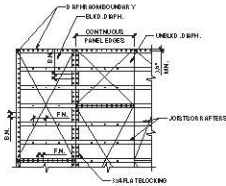


NOTES:
1. USE COMMON NAILS
2. JOINTS MUST OCCUR OVER PLATE SHALL BE 6" CENTER OF STUD
3. STAGGER JOINTS @ 4'-0" OC MIN.

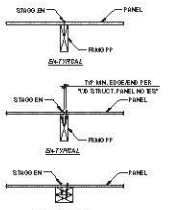
4 **DETAIL - NAILED PLATE SPLICE**



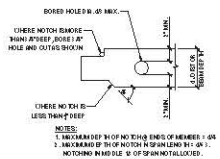
5 **ELEVATION-TYP WALL FRAMING**



6 **DIAPHRAGM NAILING ROOF OR FLOOR**



7 **DETAIL - JOIST OR BEAM NOTCH**



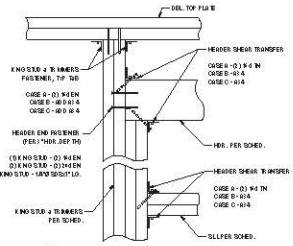
NOTES:
1. MAXIMUM DEPTH OF NOTCH AT ENDS OF MEMBER = 1/4
2. MAXIMUM DEPTH OF NOTCH IN SPAN LENGTH = 1/6
3. NOTCHING IN MIDDLE 1/3 OF SPAN NOT ALLOWED.

CWLL TYPE	STUD FRAMING			MAXIMUM STUD HEIGHT		SILL PLATE ANCHORAGE, U.N.O.		REMARKS
	CWLL SIZE	STUD SIZE	SPACING	INTERIOR	EXTERIOR	DISCRIPTION	SPACING	
NON-LOAD BEARING	4"	2 x 4	16"	10'	-	SIMPSON CWLL STAND. ANCHOR, ADD ADD'L PAF CUTTING * FROM EA. END OF BM. PLATE	32" O.C.	
	6"	2 x 6	16"	20'	-		24" O.C.	
	6"	2 x 6	12"	20'	-		9" O.C.	
LOAD BEARING W/ROOF ONLY	4"	2 x 4	16"	9'	9'	ANCHOR BOLT: 5/8"Ø CUT EMBED., SIMP. PLATE WASHER: 4"CWLL: BPS 2-4 OR BPS EA-4 6"CWLL: BPS A-4 OR BPS EA-4 PRE-EGB PLATE WASHER: 4"CWLL = 3 1/4" PL. X 3" SQ., 6"CWLL = 2 1/2" PL. X 3" SQ.	AT *MAX., SEE SCHED.	
	6"	2 x 6	12"	24'	24'			
LOAD BEARING W/ROOF & FLR.	4"	2 x 4	16"	9'	9'			
	6"	2 x 6	16"	9'	9'			
	6"	2 x 6	12"	9'	9'			

SCHEDULE NOTES: 1) SEE LUMBER GENERAL NOTES FOR ASTM, GRADE, FINISH & TOP & BTM RAIL REQ'S FOR ANCHOR BOLT, NUT, PL. WASHER & STANDARD CUTOUT SHEETS
2) ALL LONG SLOTTED WASHER SHALL HAVE A STANDARD CUTOUT WASHER UNDER NUT
3) SEE "TYP. FULL ANCHOR BOLT DETAIL AND REQUIREMENTS" AND "TYP. DBL. INTERIOR PARTITION CWLL" DETAIL FOR ADDITIONAL INFO AND REQUIREMENTS.

8 **TYP. STUD WALL SCHEDULE**

NOTE:
1. USE THIS SCHEDULE U.N.O. ON PLAN.



NOTE:
1. SHEAR CLIPS SHOWN ARE FOR 4" CWLLS, PROVIDE WITH @ 4" CWLLS.
2. STITCH NAILING PATTERN X.S. & TRIMMERS NOT SHOWN FOR CLARITY.

9 **DETAIL - TYP KING STUD, HEADER & SILL CONNECTION**

TYP CWLL HEADERS, TRIMMERS, KING STUD & SILL SCHED SCHEDULES FOR TYP CWLL OPENINGS, U.N.O. ON PLANS

CWLL TYPE	R.O. OPENING	MEMBER SIZES FOR 4x STUD CWLLS (NOTE 1)				K.P., HDR. & SILL CONN., MK		REMARKS
		HDR. SIZE	TRIMMER	KING STUD	CRIPPLE/SILL	INTERIOR	EXTERIOR	
INTERIOR NONLOAD BEARING	UP TO 3'-6" *	(2) 2x8	2x	2x	2x	A	-	
	3'-6" TO 6'-0"	(2) 2x10	2x	2x	2x			
	6'-0" TO 10'-0"	(2) 2x12	2x	(2) 2x	(2) 2x			
LOAD BEARING W/ROOF ONLY	UP TO 3'-6" *	4x8	2x	2x	2x	A	B	
	3'-6" TO 6'-0"	4x8	2x	(2) 2x	(2) 2x			
	6'-0" TO 10'-0"	4x10	(2) 2x	(2) 2x	(2) 2x		C	
LOAD BEARING W/ROOF & FLR.	UP TO 3'-6" *	4x8	2x	2x	2x	B	B	
	3'-6" TO 6'-0"	4x10	(2) 2x	(2) 2x	(2) 2x			
	6'-0" TO 10'-0"	PP	4x8	(2) 2x	(2) 2x		C	
GARAGE HDR.	ALL	PP	4x8	4x8	-	-	C	

10 **TYP WOOD HEADER SCHEDULE**

NOTES:
1. AT 4x STUD CWLLS: PROVIDE 4x CRIPPLE HEADERS (DEPTH TO MATCH & IN SCHED), AND 4x D.F. TRIMMERS, KING STUDS, AND CRIPPLE SILLS (THICKNESS TO MATCH MEMBERS IN SCHED). SCHED SIZES AT PLY, U.N.O. ON PLANS OR DETAILS.
2. * DOUBLE 2x HEADERS SHALL BE ONED OF 12" SHEATHING BETWEEN. STITCH WITH 9-d @ 8" OC STAGGERED EACH FACE.
3. SEE "TYP. FULL ANCHOR BOLT, HEADER & SILL SHEAR CONNECTION" DETAIL FOR ADDITIONAL INFO & REQUIREMENTS.

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REVISIONS

DRAWING TITLE: FRAMING DETAILS - 1

PROJECT: LUMEN BUDDHIST TEMPLE

WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

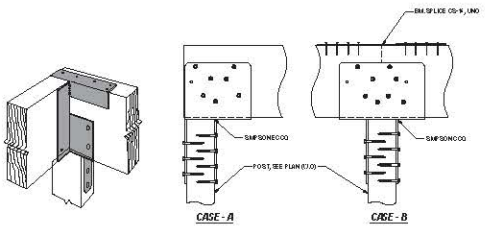
DATE: 12-07-2024

PROJECT NO: 24041

DRAWN BY: MP

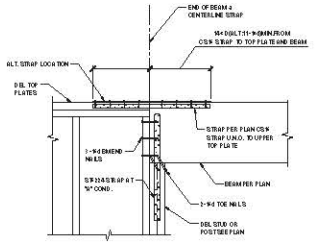
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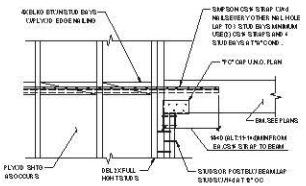


1 TYPICAL DETAIL AT CONTINUOUS BEAM

NOTE:
1. USE ECCLU/ECCLR FOR MULTIPLE BEAM TO COLUMN CONNECTIONS & COMBINATION OF ECC AND HUS/SHOCN.

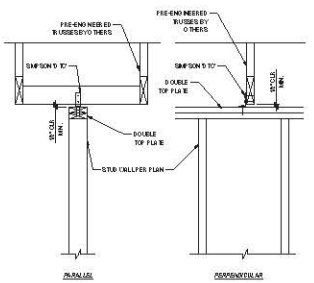


2 DETAIL - TYP BEAM STRAP FLUSH CONNECTIONS

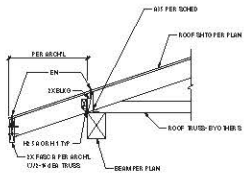


3 TYPICAL DETAIL AT DOOR HEADER BEAM

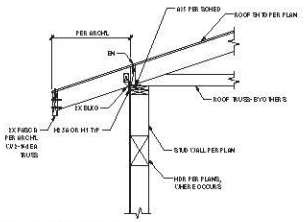
NOTE:
1. USE ECCLU/ECCLR FOR MULTIPLE BEAM TO COLUMN CONNECTIONS & COMBINATION OF ECC AND HUS/SHOCN.



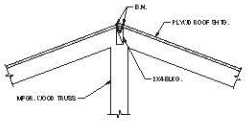
4 DETAIL - TYP NON-BRG. WALL ROOF TRUSS CONNECTION



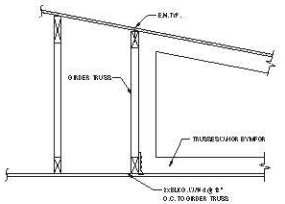
5 TYPICAL ROOF AT LANAI



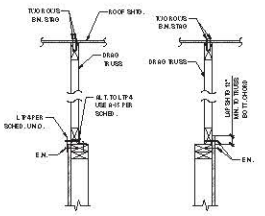
6 TYPICAL ROOF DETAIL



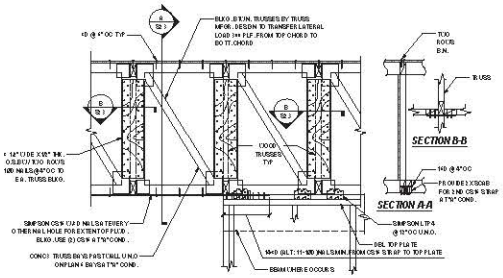
7 DETAIL - TYP BLOCKING AT RIDGE



8 DETAIL - TYP GIRDER TRUSS CONNECTION



9 DETAIL - TYP DRAG TRUSS OVER SHEAR WALL



10 DETAIL - TYP DRAG CONNECTION AT TRUSS

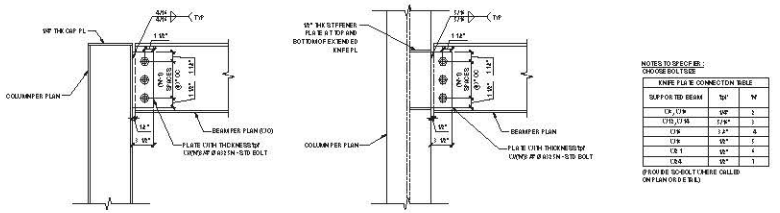
ENGINEER OF RECORD:
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REVISIONS

DRAWING TITLE: FRAMING DETAILS - 2
PROJECT: LUMIN BUDDHIST TEMPLE
WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

DATE: 12-07-2024
PROJECT NO: 24041
DRAWN BY: MP
REVIEWED BY: CDP

S2.3

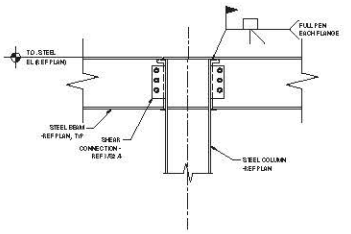


NOTES TO SPECIFIER:
CHOOSE BOLT SIZE

KNIFE PLATE CONNECTION TABLE		
SUPPORTED BEAM	"tp"	"N"
CK, CTK	3/8"	3
CTB, CTK	7/16"	3
CTK	1/2"	4
CTK	1/2"	5
CB1	1/2"	4
CB4	1/2"	3

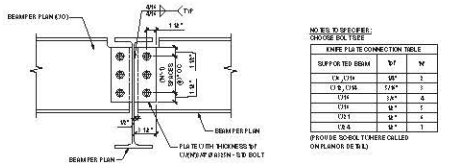
(PROVIDE SC-BOLT WHERE CALLED ON PLAN OR DETAIL)

1 COLUMN TO BEAM SHEAR CONNECTION



2 TYPICAL MOMENT CONNECTION DETAIL

NOTES:
1. DETAIL SIMILAR FOR MOMENT CONNECTION OF BEAMS IN OPPOSITE DIRECTION.
2. STIFFENER PLATE THICKNESS SHALL MATCH LARGER FLANGE THICKNESS OF CONNECTOR PLATE UNO.
3. WHERE TYP DBL MOMENT CONNECTION DETAIL IS NOT APPLICABLE, FABRICATOR SHALL SELECT AND DETAIL ALTERNATE CONNECTION CAPABLE OF DEVELOPING EQUAL STRENGTH.



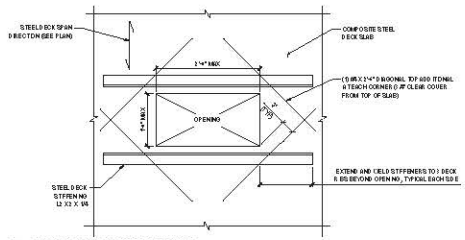
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CTK	1/2"	5
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(PROVIDE SC-BOLT WHERE CALLED ON PLAN OR DETAIL)

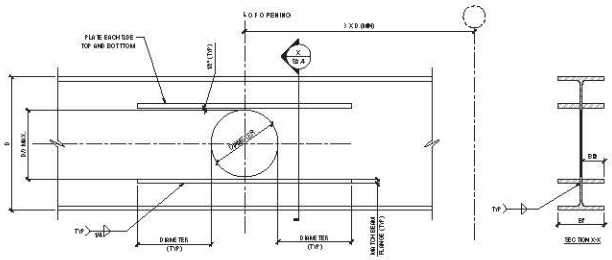
3 BEAM TO BEAM SHEAR CONNECTION

NOTE:
1. WHERE TYP DBL SHEAR CONNECTION DETAIL IS NOT APPLICABLE, FABRICATOR SHALL SELECT AND DETAIL ALTERNATE CONNECTION CAPABLE OF DEVELOPING EQUAL STRENGTH.



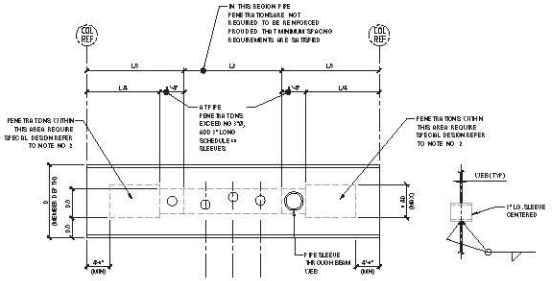
4 TYPICAL STEEL DECK SLAB OPENING

NOTES:
1. SEE COMPOSITE STEEL DECK SLAB PLAN FOR GENERAL SLAB REINFORCEMENT.
2. CONCRETE POUR STOP REQUIRED AT PERIMETER OF OPENING.
3. DECK AT OPENING TO BE CUT AFTER 24 HOURS OF CONC. POUR.



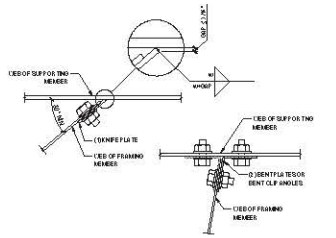
5 TYP BEAM PENETRATION DETAILS

NOTE:
1. SIZE AND LOCATION OF BEAM OPENINGS NOT INDICATED ON STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER FOR REVIEW PRIOR TO FABRICATION.



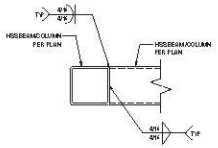
6 TYP BEAM/GIRDER PIPE PENETRATION DETAIL

NOTES:
1. LEAVE NO SHARP EDGES TO OUTHOLES.
2. PENETRATION REQUIRES SUBMITTAL OF PROPOSED LOCATION FOR SPECIAL REINFORCING SIMILAR TO TYP KNIFE BEAM/GIRDER REINFORCING DETAIL.



7 TYPICAL SKEWED CONNECTION

NOTES:
1. DETAILER MAY SELECT DOUBLE SKEWED ANGLES, DOUBLE SKEWED PLATES, OR SINGLE KNIFE PLATE WITH SLOTTED HOLES TO ACCOMMODATE SKEW.
2. WELD SIZE FROM TYP SKEW CONNECTION.



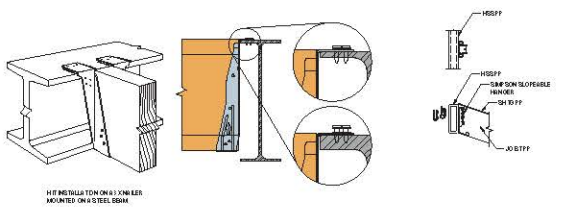
8 TYP HSS TO HSS CONNECTION DETAIL

ENGINEER OF RECORD:
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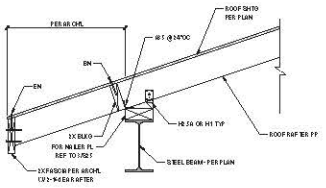
DRAWING TITLE:	TYP STEEL DETAILS - 1
PROJECT:	LUMBINI BUDDHIST TEMPLE
WORK LOCATION:	6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES
DATE	12-07-2024
PROJECT NO	24041
DRAWN BY	MP
REVIEWED BY	COP

REVISIONS

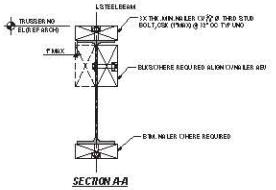
S2.4



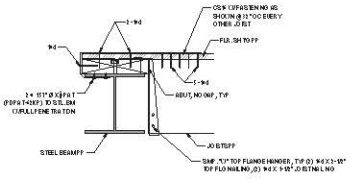
1 TYPICAL JOIST TO STEEL BEAM CON



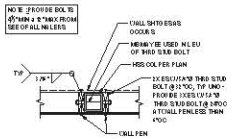
2 TYPICAL ROOF DETAIL



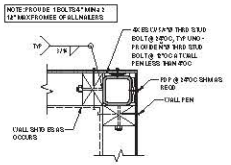
3 NAILER PLATE DETAIL



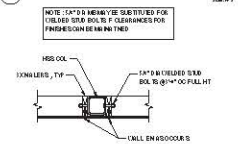
4 DETAIL - TYP JOIST TO BEAM CONNECTIONS

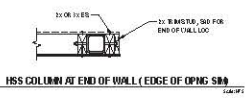


A HSS COLUMN WITHIN WALL



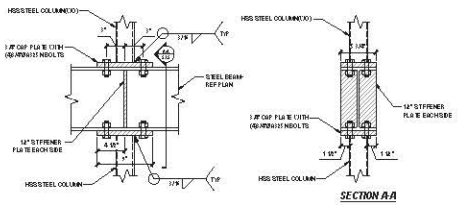
C HSS COLUMN AT CORNER



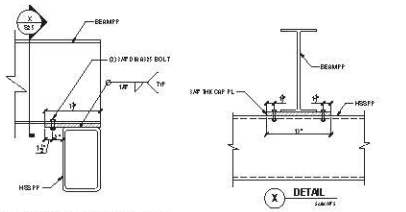


B HSS COLUMN AT END OF WALL (EDGE OF OPNG SIM)

5 TYP WOOD COVERING @ HSS COLUMN DETAILS



6 TYP POST TO BEAM BEARING CONNECTION



7 BEAM TO COLUMN CONNECTION DETAIL

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REVISIONS

DRAWING TITLE: TYP STEEL DETAILS - 1
PROJECT: LUMBINI BUDDHIST TEMPLE
WORK LOCATION: 6225 EXCELSIOR RD, SACRAMENTO, CA 95829, UNITED STATES

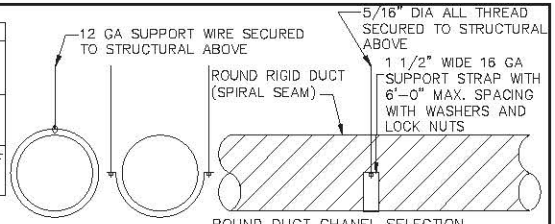
DATE: 12-07-2024
PROJECT NO: 24041
DRAWN BY: MP
REVIEWED BY: COP

S2.5

NEW PACKAGE ELECTRIC HEAT PUMP UNIT SCHEDULE

TAG	MFG	MODEL NO.	SUPPLY AIR CFM	COOL CAP TONS	EAT DB °F	EAT WB °F	LAT DB °F	LAT WB °F	ELECTRIC HEATING KW	SP IN	MCA	MAX FUSE	SEER/ EER	VOLT PHASE	WEIGHT	TYPE	NOTES
HP 1&2	JOHNSON CONROLS	WN060C00B2CADAA1B1	2000	5	80	67	60.8	58	---	1"	29	40	16/9.3	208/3ø/60	700	DN FLOW	1 2 3 4 5 6 7 8 9

(1) COPPER TUBE, ALUMINUM FINS, (2) MICROMETL 14" TALL K/D FLAT CURB. (3) 0–100% DRY BULB ECONOMIZER (4) BAROMETRIC RELIEF (5) CONDENSING TEMPERATURE 105°F
(6) TWO STAGE COOLING (7) INTER CONNECTED SMOKE DETECTOR–PHOTOELECTRIC (8) MERV–13 FILTER KIT (9) PROGRAMABLE THERMOSTAT (10) 100% OUTSIDE AIR



EXHAUST FAN SCHEDULE

FAN			ACTUAL PERFORMANCE						MOTOR SPECIFICATION										
TAG	MAKE	MODEL	CFM	TSP	RPM	HP	DBA	SONES	HP	VOLT	Hz	PH	ENC	RPM	FLA	LOCATION	SERVE	WEIGHT	NOTE
EF–1&2	GREENHECK	CUBE–140–5	1700	0.3	1099	0.28	61	10.4	1/2	208	60	1	ODP	1725	5.4	ROOF	REST ROOMS	100 LB	1 2 3

(1) ROOF MOUNTED UPBLAST CENTRIFUGAL EXHAUST FAN GRAVITY BACKDRAFT DAMPER (2) GALVANIZED STEEL ROOF CUB, ALUMINUM BIRDSCREEN (3) EF–1 & 2 ROOF MOUNTED

ROUND DUCT CHANEL SELECTION

DUCT WIDTH	MIN. CHANEL GAGE MIN.	CHANNEL PROFILE
LESS THAN 18"	22	3"X2"
LESS THAN 30"	18	3"X2"

LEGEND

RD	RETURN, DUCT	EF	EXHAUST FAN
SD	SUPPLY DUCT	CFM,f	CUBIC FEET PER MIN.
T	STAT THERMOSTAT	C.D.	CONDENSATE DRAIN
C	CO2 SENSOR	ø	DIAMETER
		AFF	ABOVE FINISHED FLOOR
		CU	CONDENSING UNIT
		MFG	MANUFACTURER

INSULATION OF DUCT

DUCT LOCATION	MINERAL FIBER BLANKET 0.9 lb/cf	BLANKET DUCT LINER 1.5 TO 3 lb/cf	MINERAL FIBER BOARD 3.0 TO 10 lb/cf
ON ROOF OR EXTERIAL BUILDING	3"	1-1/2"	1-1/2"
ATTICS AND CRAWL SPACES	2"	1"	1"
IN WALLS WITHIN FLOOR-CEILING SPACES	1"	1"	1"

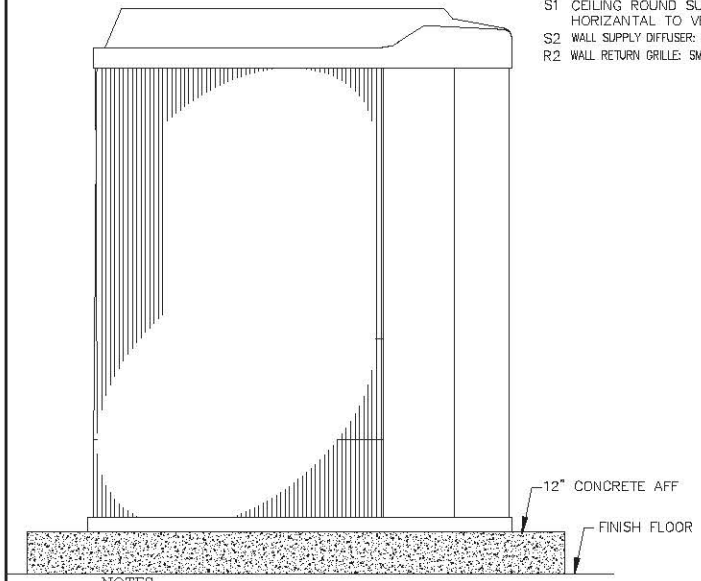
DUCT INSULATION TO BE FOIL FACE INSULATION MAY BE OMITTED ON THAT PORTION OF DUCT WHICH IS WITHIN A WALL OR FLOOR-CEILING SPACE WHERE:
A. BOTH SIDES OF THE SPACE ARE EXPOSED TO AIR-CONDITIONED SPACE.
B. THE SPACE IS NOT VENTILATED.
C. THE SPACE IS NOT USED AS RETURN AIR PLENUM.
D. THE SPACE IS NOT ENCASED TO UN-CONDITIONED

SPIRAL DUCT SPECIFICATION

SECTION 1: MATERIALS ALL DUCT AND FITTINGS WILL BE MANUFACTURED FROM GALVANIZED STEEL WITH A MINIMUM ZINC G–60 COATING OF IN ACCORDANCE WITH ASTM A643 AND A924 SPECIFICATION.
SECTION 2: CONSTRUCTION ALL DUCT AND FITTINGS WILL BE MCGILL AIRFLOW'S UNI–SEAL SPIRAL LOCKSEAM CONSTRUCTION, OR EQUIVALENT. STANDARD SPIRAL GAUGES WILL BE IN ACCORDANCE WITH SMACNA STANDARDS FOR 10 IN. WG. POSITIVE PRESSURE DUCT WILL BE PROVIDED IN CONTINUOUS, UNJOINED LENGTHS WHEREVER POSSIBLE, EXCEPT WHERE INTERRUPTED BY FITTINGS. ALL ROUND FITTINGS WITH DIAMETER 3"–24"WILL BE MCGILL AIRFLOW'S UNI–GASKET OR EQUIVALENT. FITTING GAUGES WILL BE IN ACCORDANCE WITH SMACNA STANDARDS FOR 10 IN. WG. POSITIVE PRESSURE. ALL GASKETED FITTINGS WILL BE MCGILL AIRFLOW'S UNI–GASKET AND BE MADE WITH A SINGLE–LEG EPDM RUBBER GASKET HELD IN PLACE BY A 180 DEGREE HEMMED EDGE. FLAT OVAL FITTINGS WILL BE CONSTRUCTED IN THE SAME GAUGES AS LONGITUDINAL SEAM FLAT OVAL DUCT, IN ACCORDANCE WITH SMACNA STANDARD DIVERGING–FLOW FITTINGS WILL BE MCGILL AIRFLOW'S UNI–SEAL/UNI–SEAM CONSTRUCTION WITH A RADIUSED ENTRANCE AND WITH NO EXCESS MATERIAL PROJECTING FROM THE BODY INTO THE BRANCH TAP ENTRANCE. UNI–SEAL/UNI–SEAM FITTINGS TO BE FULL BODY TYPE, NO FIELD INSTALLED SADDLE TAPS ALLOWED. ROUND ELBOWS WILL BE PRESSED, PLEATED OR GORED CONSTRUCTION. THE BEND RADIUS WILL BE APPROXIMATELY 1.5 TIMES THE ELBOW DIAMETER. PLEATED ELBOWS WILL BE CONSTRUCTED OF 26 GAUGE GALVANIZED STEEL.

DIFFUSERS AND GRILLES SCHEDULE

S1 CEILING ROUND SUPPLY DIFFUSER: SHOEMAKER MFG. MODEL RD SUITABLE FOR SPIRAL DUCT MOUNTED CEILING ROUND DIFFUSER HORIZANTAL TO VERTICAL DISCHARGE PATTERNS STEEL ADJUSTABLE SIZES AND BLOW PATTERN AS INDICATED IN THE DRAWING.
S2 WALL SUPPLY DIFFUSER: SMOOTHGRILLE WALL DIFFUSER, SURFACE MOUNTED, STEEL CONSTRUCTION DIFFUSER SIZE AND BLOW PATTERN AS INDICATED ON DRAWINGS WITH CONTROL DAMPER AND WHITE FINISH OR EQUIVILANT.
R2 WALL RETURN GRILLE: SMOOTHGRILLE WALL MOUNTED STEEL CONSTRUCTION GRILLE SIZE AS INDICATED ON DRAWINGS, FURNISHED WITH WHITE FINISH OR EQUIVILANT.



NOTES
CONTRACTOR TO FOLLOW MFG. INSTALLATION GUIDE.

HEAT PUMP UNIT MOUNTING DETAIL (2 / M-1)
NOT TO SCALE

GENERAL MECHANICAL NOTES

1. ALL PERMITS AND FEES SHALL BE PAID FOR BY THE CONTRACTOR AND INCLUDED IN THE BID PRICE.
2. IF ANY HAZARDOUS MATERIAL, SUCH AS ASBESTOS, IS ENCOUNTERED DURING THE CONSTRUCTION, STOP ALL WORK AND NOTIFY THE PROJECT MANAGER.
3. A MATERIAL SAFETY DATA SHEET (MSDS) IS REQUIRED FOR ALL HAZARDOUS MATERIAL BEING USED IN THIS BUILDING.
4. ALL SAFETY RULES AS SET FORTH BY OWNER SHALL BE STRICTLY ADHERED TO AT ALL TIMES.
5. LABEL ALL NEW EQUIPMENT AND CONTROLS, INCLUDING OF ANY NEW ELECTRICAL OUTLETS.
6. ALL PENETRATIONS OF PARTITIONS, WALLS, FLOORS AND CEILINGS SHALL BE FIRE STOPPED.
7. ALL LADDERS USED INTERIOR TO BUILDING ADJACENT TO TELEPHONE OR POWER EQUIPMENT SHALL BE OF WOOD OR FIBERGLASS.
8. DO NOT MOUNT OR ATTACH TO GRAY IRON.
9. USE OF CLIENTS ELECTRICAL RECEPTACLES.
   A. CONTRACTOR SHALL NOT PLUG INTO ANY RECEPTICALS AT BASE OF TELEPHONE EQUIPMENT OR ATTACHED TO TELEPHONE EQUIP. CONTRACTOR SHALL SECURE APPROVAL FROM AT&T PRIOR TO USING ANY ELECTRICAL OUTLET NOT LOCATED INSIDE MECHANICAL ROOM OR EXTERIOR OF BUILDING. CONTRACTOR SHALL ONLY USE RECEPTICALS ON WALLS, PARTITIONS, OR COLUMNS.
10. BUILDING SECURITY
    A. CONTRACTOR SHALL MAINTAIN SECURITY OF BUILDING AT ALL TIMES. THIS WILL INCLUDE TEMPORARY AIR CONDITIONING CONNECTIONS, SUPPLY AND RETURN, AND ANY RELIEF OPENINGS. CONTRACTOR SHALL MAINTAIN SECURITY DURING ALL WORK AND MATERIAL MOVEMENT OPERATIONS.
11. CONTRACTOR TO COVER FIRE ALARM SYSTEM DETECTOR HEADS, AT THE BEGINNING OF THE DAY AND UNCOVER AT THE END OF THE DAY, WHEN DOING WORK THAT ACTIVATE FIRE ALARM.
12. ALL FERROUS MATERIAL SHALL BE COATED TO PREVENT CORROSION.
13. PATCH AND PAINT FINISHED SURFACES DAMAGED BY DEMOLITION WORK TO MATCH EXISTING.
14. ALLOW FOR A WEEKLY JOB PROGRESS AND SCHEDULING MEETING. THIS TIME TO INCLUDE:
    A. PRE–START AND MOP FILLED OUT AT MEETING.
    B. WEEKLY MEETING DURING CONSTRUCTION.
    C. FINAL WALK THROUGH.
15. AT TIME OF PRE–START MEETING AND AT WEEKLY PROGRESS MEETINGS THEREAFTER, CONTRACTOR SHALL PROVIDE A WEEKLY SCHEDULE OF WORK TO BE COMPLETED PRIOR TO NEXT WEEKLY MEETING. WORK WILL BE REVIEWED.
16. METHOD OF PROCEURES (MOP'S): A MOP SHALL BE PREPARED ON AT&T FORMS WHICH WILL DESCRIBE IN DETAIL CERTAIN CONSTRUCTION PROCEDURES WHICH A TO BE ACCOMPLISHED ON ESSENTIAL BUILDING SYSTEMS SUCH AS THE ELECTRICAL POWER, HVAC, PLUMBING, SECURITY ALARMS, FIRE PROTECTION AND FIRE DETECTION AND COMMUNICATIONS AT THIS FACILITY WORK SHALL NOT PROCEED UNTIL MOP'S HAVE BEEN APPROVED BY AT&T. MOB DOCUMENTATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE AT&T INSTALLATION AND JOB ACCEPTANCE HANDBOOK (IJAH).
17. ALL WORK SHALL COMPLY WITH CURRENT ADOPTED STATE AND LOCAL CODES INCLUDING CMC, CBC, CPC, AND ALL APPLICABLE CALIFORNIA TITLE–24
19. CERTIFIED AIR BALANCE REPORT OF THE ENTIRE SYSTEM TO MEET AW ENGINEERING DESIGN WITH THREE COPIES AS BUILT DRAWING OF THE FINAL ENTIRE SYSTEM TO BE SUBMITTED TO THE INSPECTOR AND THE OWNER.
20. TOP OF THERMOSTAT BOXES SHALL BE MOUNTED 48 INCHES FROM FINISH FLOOR. 2022 CBC SECTION 11B–308 1.1

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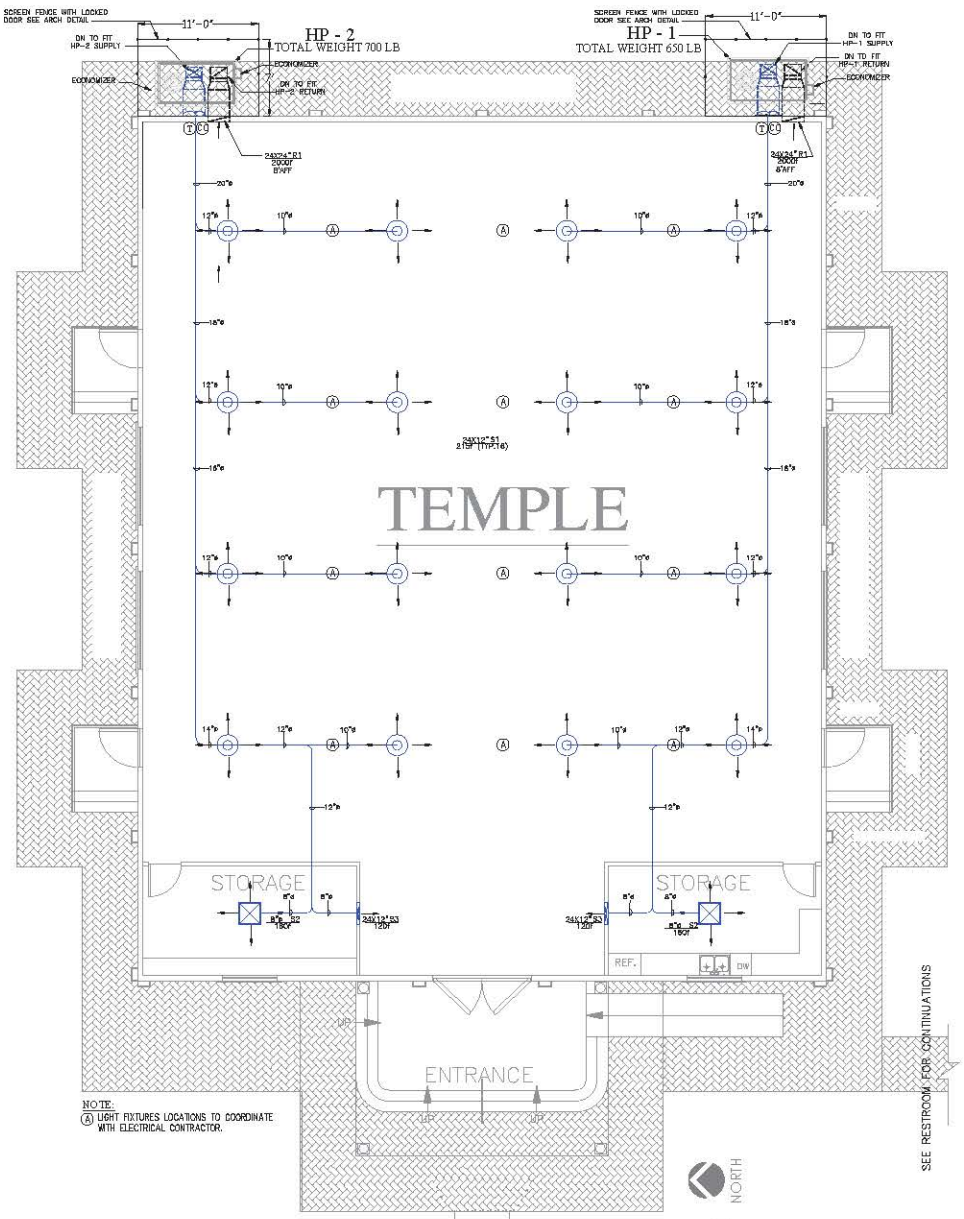
REV	ISSUE	DATE

DATE: 04/15/2025
DRAWN:

SHEET TITLE:
MECH. EQUIPMENT SCHEDULE, GENERAL NOTES, AND DETAILS

M-1OFM-2 SHEETS

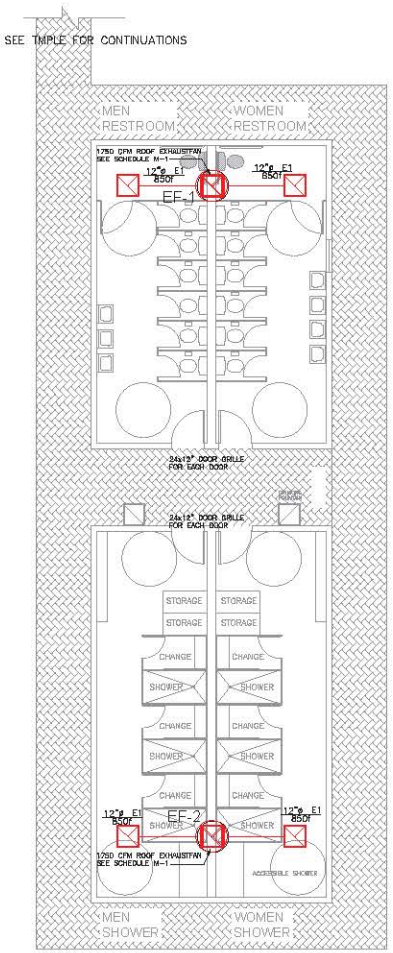
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TEMPLE MECHANICAL FLOOR PLAN

SCALE 3/16" = 1'-0"

1 M-2



SERVICE BUILDING MECHANICAL PLAN

SCALE 3/16" = 1'-0"

1 M-2

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REV	ISSUE	DATE

DATE: 04/15/2025
DRAWN:

SHEET TITLE:

TEMPLE AND SERVICE BUILD. MECHANICAL PLAN

M-2 OF M-2 SHEETS

AW Eng 24x36.dwg

PRESSURE LOSS CALCULATIONS

1. PRESSURE AVAILABLE ENTERING =40 PSI
2. PRESSURE LOSS THRU METER =5 PSI
3. PRESSURE LOSS THRU BACKFLOW PREVENTER =10 PSI
4. AVAILABLE PRESSURE SUBTRACT THE SUM OF LINES 2 & 3 FROM 1 =25 PSI
5. PRESSURE LOSS DUE TO HEIGHT (25'X0.434) =10.85PSI
6. PRESSURE REQUIRED AT THE MOST REMOT FIXTURE =8 PSI
7. PRESSURE LEFT FOR THE TOTAL PIPE LENGTH LOSES SUBTRACT THE SUM OF 5 & 6 FROM 4 =6.15 PSI

FRICTION LOSS IN 250' TOTAL DEVELOPED LENGTH:
FROM CHART A-4 OF CPC 2019 AT 22 GPM, PIPE SIZE = 1 1/2". 2.0 PSI/100', TOTAL PRESS DROP = 2 x 250'/ 100' = 5.0 PSI WHICH IS LESS THAN 6.15 PS.

NOTES:

1. ALL BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIF. PLUMBING CODE.
2. ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
3. EACH VENT SHALL RISE VERICALLY TO A POINT NOT LESS THAN SIX INCHES ABOVE THE FOOD-LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZANTALLY OR BEFORE CONNECTED TO ANY OTHER VENT.
4. FLOOR DRAINS OR SIMILAR TRAPS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM AND SUBJECT TO INFREQUENT USE SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC MEANS OF MAINTAINING THEIR WATER SEATS.
5. EACH FAUCET SHALL NOT EXCEED A WATER FLOW OF 1.5GPM
6. TOILETS SHALL BE ULTRA LOW FLUSH (1.28 G.P.F. MAX.)
7. ALL EQUIPMENT SHALL MEET 2013 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD
8. FIXTURES, PIPING AND ALL COMPONENTS TO COMPLY WITH CALIFORNIA HEALTH AND SAFTY CODE 116875 (AB1953, LOW REQUIREMENT)

PLUMBING EQUIPMENT SCHEDULE OR EQUIVILANT

WH-1 "RHEEM" PROFESSIONAL PRESTIGE HYBRID WH MODEL PROPH50 T2 RH350 D 45GAL CAPACITY, 53GAL FIRST-HOUR DELIVERY, WEIGHT 218 LB.

WH INSTANTANEOUS WATER HEATER: CHRONOMITE SR-20L "INSTANT FLOW" LOW FLOW UNDER COUNTER MOUNTING, WITH 4.16 KW INPUT AT 208/230V/1PH/60 HZ ELECTRICAL SERVICE 20 AMPS DRAW SET AT 10SF LEAVING TEMPERATURE.

WC "KOHLER" K-4405 ADA WATER CLOSET, TOP SPUD, EXPOSED FLUSH TANK K-10958, 1.28G/FLUSH

LAV "AMERICAN STANDARD" PENLYN WALL-MOUNTED SINK WITH PLATE 605P40D, WITH GLACIER BAY FAUCET MODEL F512C033CP, AND WATER MIXING BOX 605XTMZ107D, 1.0 GPM

KS 35"x20½"x9½" DEEP O.D., 18 GAUGE, STAINLESS STEEL SINK, UNDERCOUNT MOUNTED, K-5807 INSTALLATION KIT, "FORTE" KOHLER K-10433-G KITCHEN FAUCET, 1.8 GPM, LEVER HANDLE, LOW FLOW KIT, SWING SPOUT WITH INTEGRAL PULLOUT SPRAY AND HOSE. KOHLER K-8813-G STRAINER WITH TAILPIECE, AND K-9000 "P" TRAP.

GD GARBAGE DISPOSAL: 1/2 HP GARBAGE DISPOSAL, 120V/1Ø, BADGER INSINKERATOR MODEL BADGER 500-1

SH 32"X60" ONE PIECE ACRYLIC DROP-IN BATH UNIT, KOHLER MODEL K-1123. PROVIDE "BANCROFT" SHOWER TRIM SET K-T10581 WITH RITE TEMP PRESSURE BALANCING MIXING VALVE K-304-KS, DIVERTER BATH TUB SPOUT, "FORTE" RADIONAL LEVER HANDLE K-10298 1.75 GPM SHOWER HEAD PROVIDE WITH MANUFACTURERS SURFACE MOUNT SOUP DISH KIT, TUB SHOWER DRAIN AND TRAP.

PLAN- DOMESTIC WATER CALCULATIONS

		WASTE		COLD WATER		HOT WATER		TOTAL WATER
FIXTURE	QTY	FU	TOTAL	FU	TOTAL	FU	TOTAL	FU
LAVATORY	7	1	7	1	7	0.75	5.25	7
SHOWER	6	4	24	4	24	1.5	9	24
WC 1.28 GPF	14	3	42	2.5	35	0	0	42
KITCHEN SINK	1	2	2	1.5	1.5	1.25	1.25	2
DISH WASHER	1	2	2	1.5	1.5	1.5	1.5	2
DRINK. FOUNT.	2	4	8	4	8	1.5	3	8
HOSE BIB	6	–	–	2.5	9	–	–	9
TOTAL FIXTURE			85		86		20	94

FROM CHART A-2.1(1) CPC 2022, 94 FU, TOTAL WATER DEMAND=42 GPM PIPE SIZE FOR COLD WATER 2". FRICTION 1.6 PSI/100'. HOT WATER 20 FU, TOTAL HOT WATER DEMAND=14 GPM, PIPE SIZE 1 1/4".

PLUMBING SPECIFICATIONS

PIPES AND PIPE FITTINGS:

A. STORM, WASTE AND VENT PIPE BELOW THE FLOOR AND TO 6" ABOVE THE FLOOR AND ALL SOIL PIPE: NO HUB CAST IRON SOIL PIPE CONFORMING TO CAST IRON SOIL PIPE INSTITUTE STANDARD 301-90 PIPE INSTITUTE STANDARD 301-90 AND FITTING CONFORMATION TO CAST IRON SOIL PIPE INSTITUTE STANDARD 301-90

B. STORM, SOIL, AND WASTE PIPE ABOVE GROUND: TYPE DWV COPPER TUBING CONFORMING TO ASTM B 306 AND FITTINGS CONFORMING TO ASTM B 16.29 OR NO-HUB CAST IRON PIPE AND FITTINGS CONFORMING TO CAST IRON SOIL PIPE INSTITUTE STANDARD 30-90 AND FITTINGS CONFORMING TO CAST IRON PIPE INSTITUTE STANDARD 310-90

C. DOMESTIC HOT AND COLD WATER PIPING: TYPE L COPPER CONFORMING TO ASTM B 88 WITH WROUGHT COPPER FITTINGS CONFORMING TO ASTM B 16.22 ASSEMBLED WITH SILFOS.

D. GAS PIPING: SCHEDULE 40 BLACK STEEL PIPE CONFORMING TO A120 WITH BLACK MALLEABLE IRON SCREWED FITTINGS CONFORMING TO ASTM B 16.3 WITH TEFLON TAPE JOINTS.

E. AT CONTRACTORS OPTION WITH THE ADMINISTRATIVE AUTHORITY APPROVAL CAST IRON PIPE IN A AND B ABOVE, MAY BE SUBSTITUTED WITH SCHEDULE 40 ABS DWV PIPE .

PIPE INSULATION:

A. INSULATE DOMESTIC HOT WATER PIPING PER TITLE 24, TABLE 120.3A PIPE INSULATION SHOWN IN P-1.

PLUMBING NOTES

1. VERIFY EXACT LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATION OR INSTALLATION OF NEW UTILITIES.
2. ALL WORK SHALL COMPLY WITH 2019 CMC, CBC, CPC, TITLE 24, CALIF. GREEN AND ENERGY PER LBMC.
3. SET SLOPE OF NEW SEWER LINES TO MATCH EXISTING INVERT ELEVATIONS, MIN. OF 1/4" PER FOOT SLOPE.
4. LOCATE ALL VTR'S A MINIMUM OF 10'-0" FROM ALL FRESH AIR INTAKES.
5. ROUTE ALL UNDERFLOOR AND ABOVE CEILING PIPING AS REQUIRED TO MISS STRUCTURAL MEMBERS AND FOOTINGS.
6. CORE DRILL THRU EXISTING CONCRETE WALLS WHERE REQUIRED. SEAL ALL PENETRATIONS AT EXTERIOR WALLS WATERTIGHT.
7. SAWCUT EXISTING CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW UNDERGROUND PIPING. SEAL ALL PENETRATIONS AT FLOOR WATERTIGHT. UNDERGROUND PIPING. SEAL ALL PENETRATIONS AT FLOOR WATERTIGHT.
8. CAP OR PLUG EXISTING PIPING NOT REQUIRED FOR THE NEW ABOVE THE INSTALLATION ABOVE CEILING, BEHIND FINISHED WALLS, OR BELLOW FINISH FLOOR, GENERAL CONTRACTOR SHALL COORDINATE THE PATCHING OF WALL, CEILING AND FLOOR SURFACE AS REQUIRED.
9. ALL PIPING LOCATED IN WALLS OR ABOVE CEILING HAVING SHUT-OFF VALVES, TRAP PRIMERS, ETC. SHALL BE PROVIDED WITH ACCESS DOORS OF ADEQUATE SIZE TO SERVICE THE EQUIPMENT.
10. STRAP PIPING ON ROOF TO 4" X 4" REDWOOD BLOCKING AT 6'-0" ON CENTER.
11. POVIDE SHUT OFF VALVE FOR EACH DWELLING CONTROL AND ACCESSIBLE.
12. INSULATE ALL WATER AND DRAIN PIPING EXPOSED BELOW HANDI- CAPPED LAVATORIES WITH "TRUEBRO" OR EQUAL INSULATING DEVICE.
13. VERIFY ALL PLUMBING FIXTURES COLOR'S AND FINISH WITH ARCHITECT.
14. PROVIDE WATER HAMMER ARRESTERS AT ALL QUICK CLOSING VALVES.
15. GAS FIRED WATER HEATERS UNDER 75 MBH ARE TO BE LOW NITROUS.
16. GAS PIPING EXPOSED TO THE ELEMNTS SHALL BE PROTECTED W/(2) COATES WHITEM ARMAFLEX FINISH.
17. ALL CLEANOUTS ARE UNDER SLAB UNLESS OTHERWISE STATED.

PIPE USED

PIPE	DESCRIPTION	ABV. GND.	BEL. GND.	HANGERS & SUPPORT
WASTE	ABS, PVC SCHED 40	X	X	PER CPC 2019
VENT	ABS, PVC SCHED 40	X	X	PER CPC 2019
CW/HW	COPPER	TYPE L	TYPE K	PER CPC 2019
FUEL	BLACK STEEL	X	CONTACT	UTILITY PER CPC 2019
AC CONDEN	ABS, PVC SCHED 40	X	X	PER CPC 2019

NOTES:

1. ALL BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH SECTIONS 701.0 AND 903.0 OF THE CALIFORNIA PLUMBING CODE.
2. ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
3. EACH VENT SHALL RISE VERICALLY TO A POINT NOT LESS THAN SIX INCHES ABOVE THE FOOD-LEVEL RIM OF THE FIXTURE SERVED BEFORE OFFSETTING HORIZANTALLY OR BEFORE CONNECTED TO ANY OTHER VENT.
4. FLOOR DRAINS OR SIMILAR TRAPS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM AND SUBJECT TO INFREQUENT USE SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC MEANS OF MAINTAINING THEIR WATER SEATS.
5. EACH FAUCET SHALL NOT EXCEED A WATER FLOW OF 1.5GPM
6. TOILETS SHALL BE ULTRA LOW FLUSH TYPE (1.28 G.P.F. MAX.)
7. ALL EQUIPMENT SHALL MEET 2013 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARD
8. FIXTURES, PIPING AND ALL COMPONENTS TO COMPLY WITH CALIFORNIA HEALTH AND SAFTY CODE 116875 (AB1953, LOW REQUIREMENT)

PLUMBING LEGEND

AFF	ABOVE FINISHED FLOOR	HW	DOMESTIC HOT WATER	W	SANITARY WASTE
SH	SHAWER	KS	KITCHEN SINK	V	SANITARY VENT
CD	CONDENSATE DRAIN	LAV	LAVATORY	VTR	VENT THRU ROOF
DCW	DOMESTIC COLD WATER	MFG	MANUFACTURER	WC	WATER CLOSET
DW	DISH WASHER	PSI	POUNDS PER SQ.IN.	WCO	WALL CLEAN OUT
FCO	FLOOR CLEAN OUT	SOV	SHUT OFF VALVE	WH	WATER HEATER

COLD WATER-CW
HOT WATER-HW
VENT-V
WASTE-W

FCO FLOOR CLEANOUT
SHUT-OFF VALVE, GATE
GLOBE VALVE
PRESSURE RELIEF VALVE
REVISION DELTA

FIXTURE UNIT LOADING FOR WATER PIPES

NOMINAL PIPE SIZE INCHES	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
PIPE FLOW IN GPM	3	9	15	25	47	80	120	180	360
ALTERNATE USAGE FROM TYPE K/L/M	3	9	12	25	42	110	270	540	810

BASED ON 2" WATER AT 80 PSI AVERAGE PRESSURE AND A VELOCITY OF 8 FEET PER SECOND FLOW RATE AND FRICTION LOSS OF 4.5 PSI PER 100 FEET OF PIPING

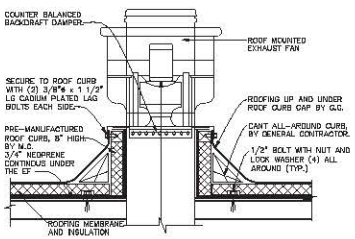
PLUMBING FIXTURE FLOW RATES

FIXTURE TYPE	FLOW RATE
SINGLE SHOWERHEAD	2.0 gpm @ 80 psi
MULTIPLE SHOWERHEADS SERVING ONE SHOWER	2.0 gpm @ 80 psi ALL HEADS COMBINED
LAVATORY, PUBLIC, RESIDENTIAL	1.5 gpm @ 60 psi
KITCHEN FAUCETS	2.0 gpm @ 60 psi
GRAVITY TANK TYPE WATER CLOSETS	1.28 GALLONS/FLUSH
FLUSHOMETER TANK WATER CLOSETS	1.28 GALLONS/FLUSH

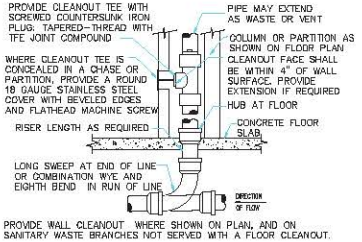
FIXTURES LOADING FOR WASTE/VENT PIPES

NOMINAL PIPE SIZE INCHES	1¼"	1½"	2"	2½"	3"	4"	6"
VERTICAL PIPE MAXIMUM FIXTURE UNITS ALLOWED	2	10	20	42	240	540	1400
HORIZONTAL PIPE MAXIMUM FIXTURE UNITS ALLOWED	1	3	6	12	160	360	940
HORIZONTAL & VERTICAL PIPES VENTS TOTAL LOADING	4	12	24	48	256	600	960

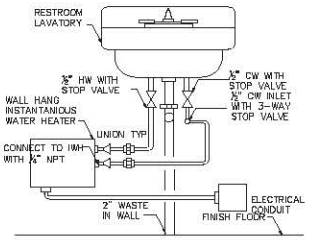
NOTE: TABLE FOR 2% SLOPE FOR ½" TO 2" PIPE AND 1% SLOPE FOR 3" AND LARGER PIPE. FIXTURE UNIT LOADING IS BASED ON THE ASSUMPTION THAT NO MORE THAN ONE-HALF OF THE TOTAL FIXTURE UNIT LOADING IS DISCHARGED WITHIN ANY 15 MINUTE PERIOD. FIXTURE UNIT LOADING IS BASED ON THE ASSUMPTION THAT NO MORE THAN ONE-THIRD OF THE TOTAL FIXTURE UNIT LOADING IS DISCHARGED WITHIN ANY 15 MINUTE PERIOD.



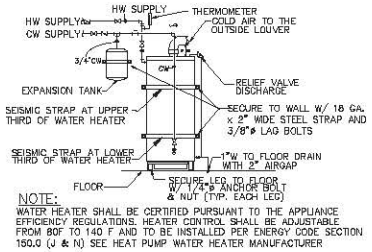
BATHROOM EXHAUST FAN — 5 / P-1
NOT TO SCALE



WALL CLEANOUT DETAIL — 4 / P-1
NOT TO SCALE

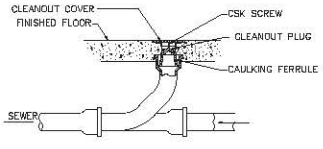


INSTANT. WATER HEATER — 3 / P-1
NOT TO SCALE



NOTE:
WATER HEATER SHALL BE CERTIFIED PURSUANT TO THE APPLIANCE EFFICIENCY REGULATIONS. HEATER CONTROL SHALL BE ADJUSTABLE FROM 80F TO 140 F AND TO BE INSTALLED PER ENERGY CODE SECTION 150.0 (J & N) SEE HEAT PUMP WATER HEATER MANUFACTURER

WATER HEATER MOUNT DETAIL — 2 / P-1
NOT TO SCALE



FLOOR CLEANOUT DETAIL — 1 / P-1
NOT TO SCALE

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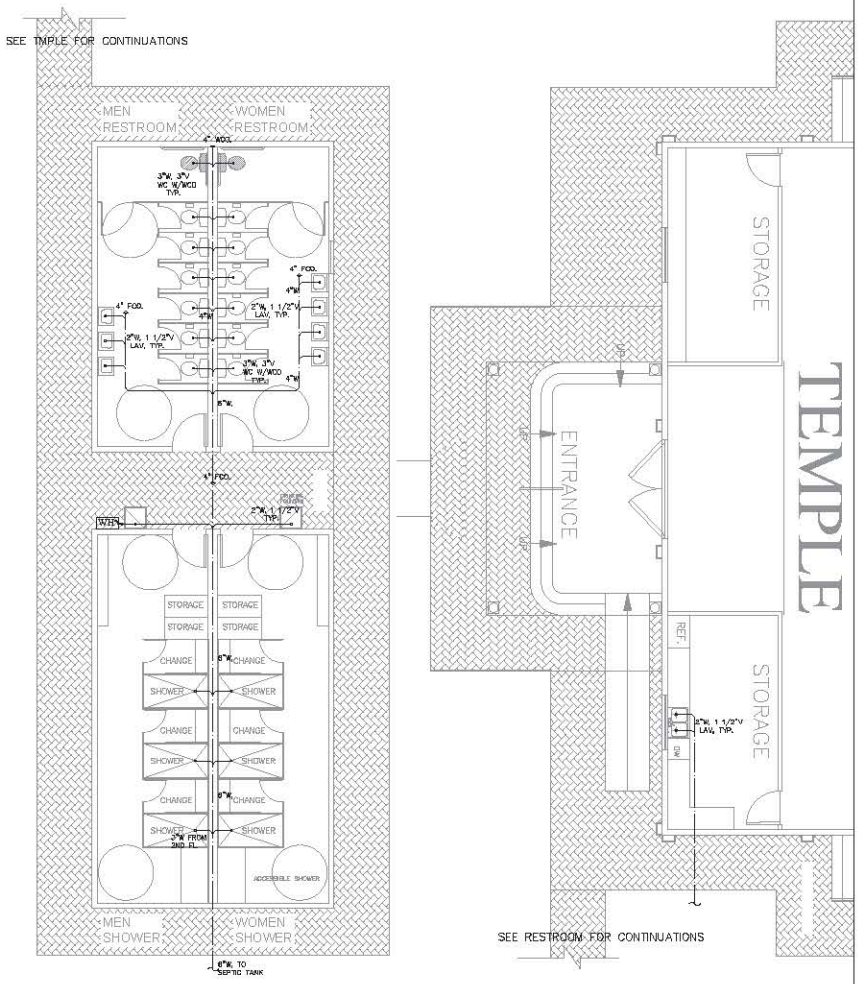
DATE: 04/15/2025
DRAWN:

SHEET TITLE:

PLUMBING CALCULATIONS, NOTES LEGENDS, DETAILS AND SCHEDULES

P-1 OF P-2 SHEETS

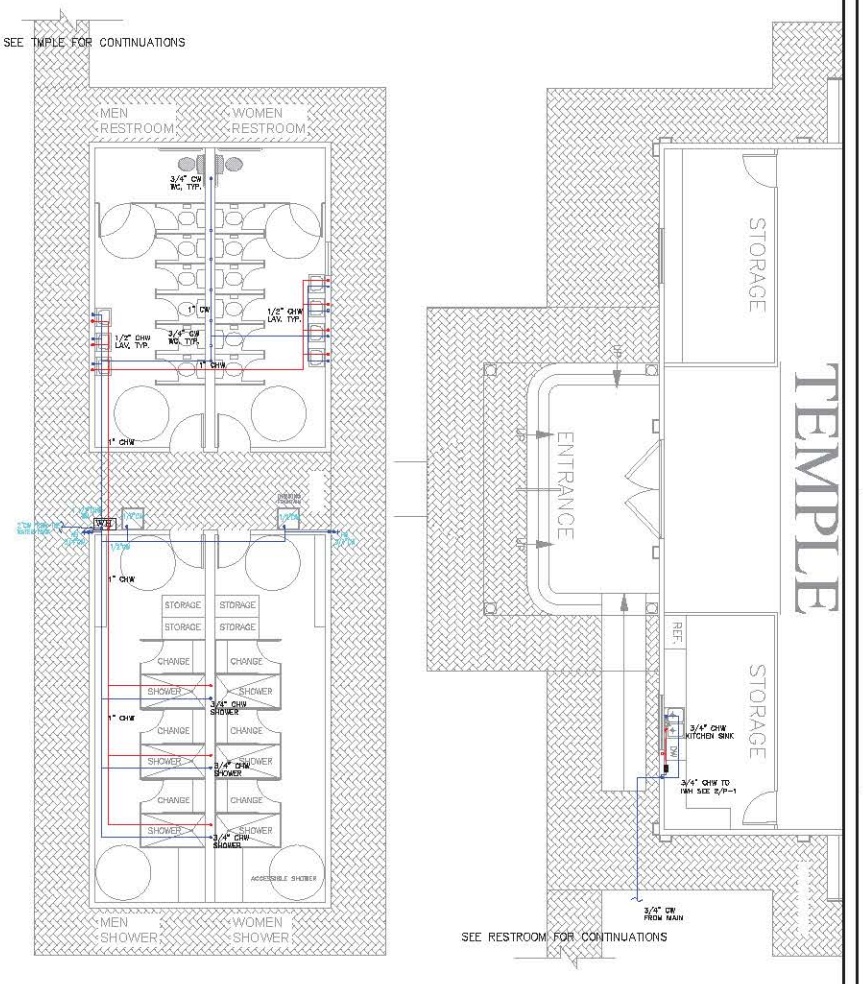
AW Eng 24x36.dwg



SERVICE BUILDING WASTE AND VENT PLAN

SCALE 3/16" = 1'-0"

1 P-2



SERVICE BUILDING HOT AND COLD WATER PLAN

SCALE 3/16" = 1'-0"

2 P-2

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HVAC Electrical & Plumbing
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Sacramento, CA 95841
Phone: (916)-203-7799
yahya@awhvaceng.com

REGISTERED PROFESSIONAL ENGINEER
MOULAH A. YAHYA
M32134
Exp.9/30/26
MECHANICAL
STATE OF CALIFORNIA

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IU-MIEN BUDDHIST TEMPLE

6225 EXCELSIOR RD.
SACRAMENTO, CA 95828

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REV	ISSUE	DATE

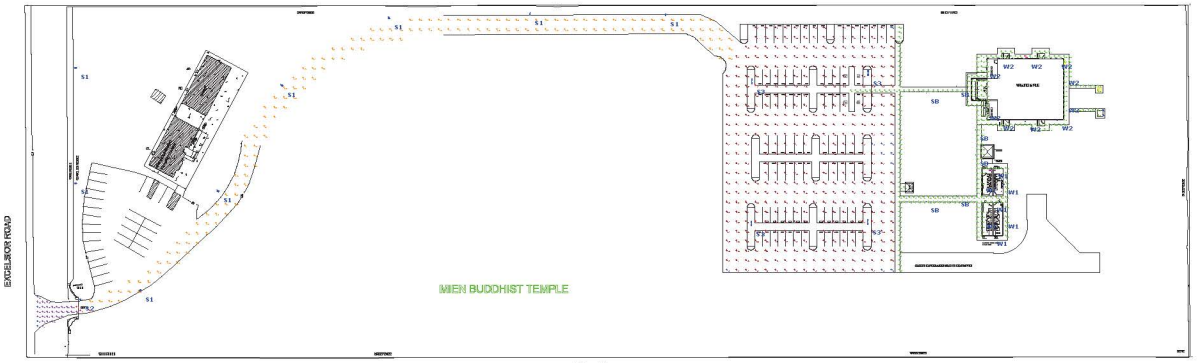
DATE: 04/15/2025
DRAWN:

SHEET TITLE:

HOT, COLD WATER, WAST AND VENT TEMPLE AND SERVICE BUILDING FLOOR PLAN

P-2 OF P-2 SHEETS

AW Eng 24x36.dwg



Plan View
Scale - 1/64" = 1ft

Schedule

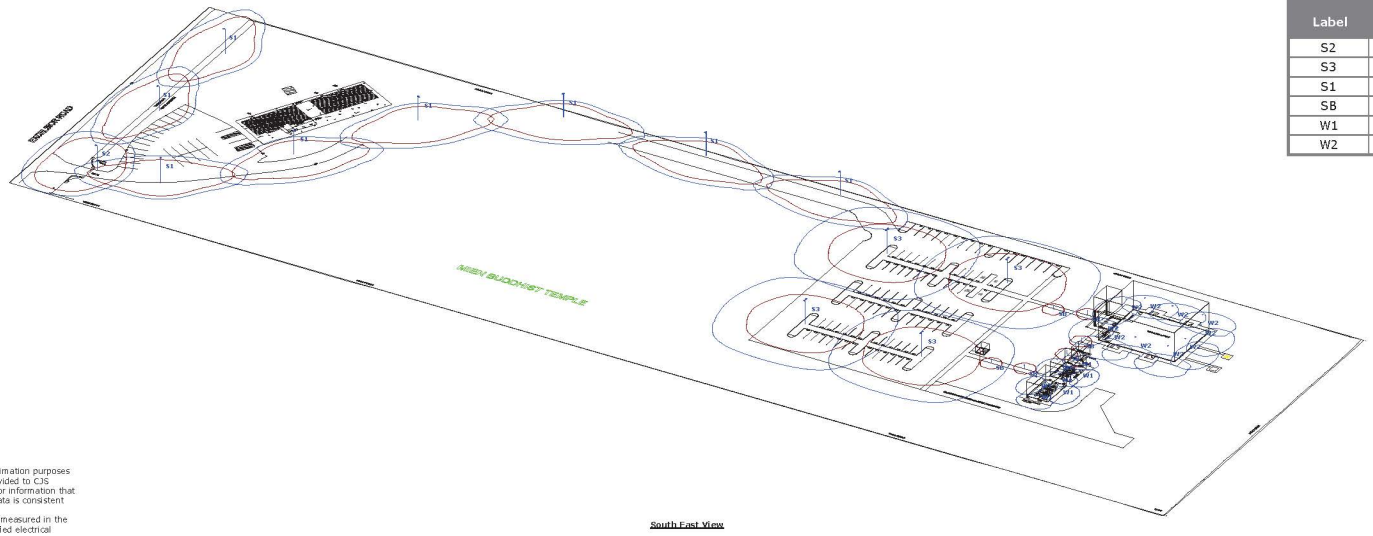
Symbol	Label	Image	QTY	Manufacturer	Catalog	Description	Number Lamps	Lamp Output	LLF	Input Power
	S1		8	U.S. ARCHITECTURAL LIGHTING	DS10T-PLED-II-80LED-525mA-40K	FABRICATED BLACK PAINTED METAL HOUSING.	80	227	0.9	129.7
	S2		1	U.S. ARCHITECTURAL LIGHTING	DS10T-PLED-IV-80LED-525mA-40K	FABRICATED BLACK PAINTED METAL HOUSING.	80	230	0.9	129.7
	S3		4	U.S. ARCHITECTURAL LIGHTING	DS10T-PLED-VSQ-W-80LED-525mA-40K	FABRICATED BLACK PAINTED METAL HOUSING.	80	229	0.9	259.4
	SB		6	U.S. ARCHITECTURAL LIGHTING	BDAB-HV-LED-CL-24LED-350mA-40K	6-EXTRUSION VERTICAL POWER ARRAY (VPA).	24	53	0.9	26.4
	W1		7	Lithonia Lighting	WDGE1 LED P2 40K 80CRI VW	WDGE1 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	1982	0.9	15.0178
	W2		10	Lithonia Lighting	WDGE2 LED P4 40K 80CRI VW	WDGE2 LED WITH P4 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	4526	0.9	34.96

Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DRIVE / PARKING	+	1.8 fc	4.1 fc	1.0 fc	4.1:1	1.8:1
FRONT GATE ENTRANCE	+	2.2 fc	4.0 fc	1.2 fc	3.3:1	1.8:1
WALKWAY	+	3.0 fc	8.0 fc	0.1 fc	80.0:1	30.0:1
ACCESS DRIVE	+	2.4 fc	4.0 fc	1.1 fc	3.6:1	2.2:1

Luminaire Locations

Label	MH
S2	25.00
S3	25.00
S1	25.00
SB	3.50
W1	10.00
W2	15.00



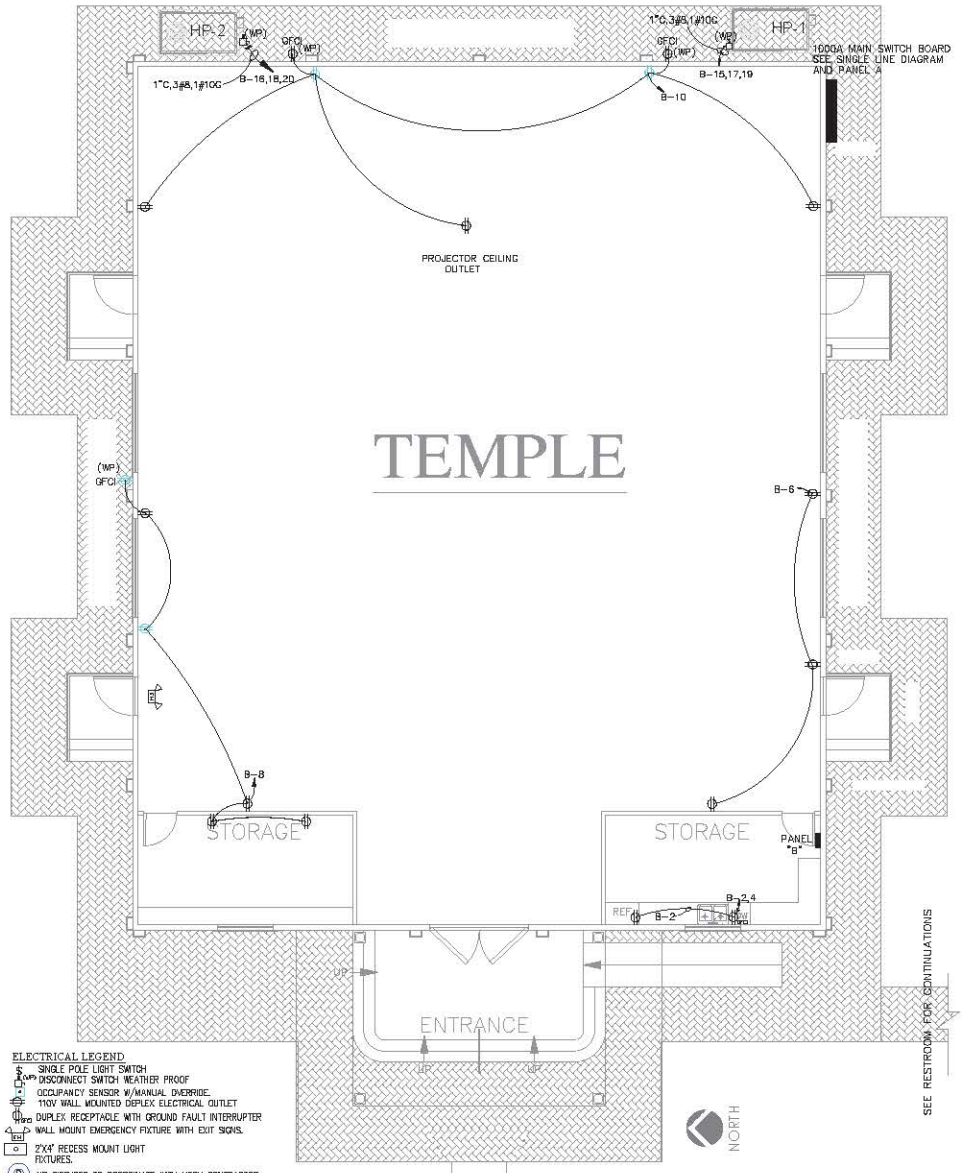
South East View

Disclaimer
Photometric analyses performed by CJS Lighting are intended or informational and/or estimation purposes only. Using industry-recognized software, calculations correspond to the information provided to CJS Lighting, and are subject to the limitations of the software. Assumptions may be made for information that is not provided or available. It is the responsibility of the client to verify that the input data is consistent with actual field conditions.
Due to the above considerations, CJS Lighting does not guarantee that actual light levels measured in the field will match initial calculations, and recommend that drawings be submitted to a certified electrical engineer for verification.

CJS Lighting

MIEN BUDDHIST TEMPLE
SITE rev4

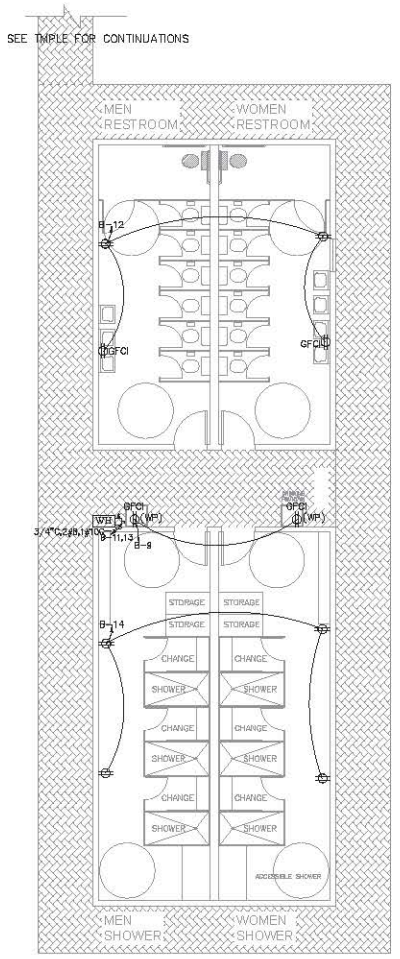
Designer
D. WHITLOCK
Date
06/01/2023
Revision Number
4
Revision Date
03/21/2025
Drawing No.
PT1



TEMPLE POWER FLOOR PLAN

SCALE 3/16" = 1'-0"

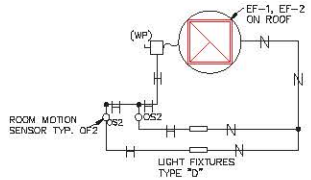
1 / E-1



SERVICE BUILDING POWER FLOOR PLAN

SCALE 3/16" = 1'-0"

2 / E-1



EXHAUST FANS WIRING DIAGRAM

NOT TO SCALE

3 / E-1

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IU-MEN BUDDHIST TEMPLE

6225 EXCELSIOR RD.
SACRAMENTO, CA 95828

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REV	ISSUE	DATE

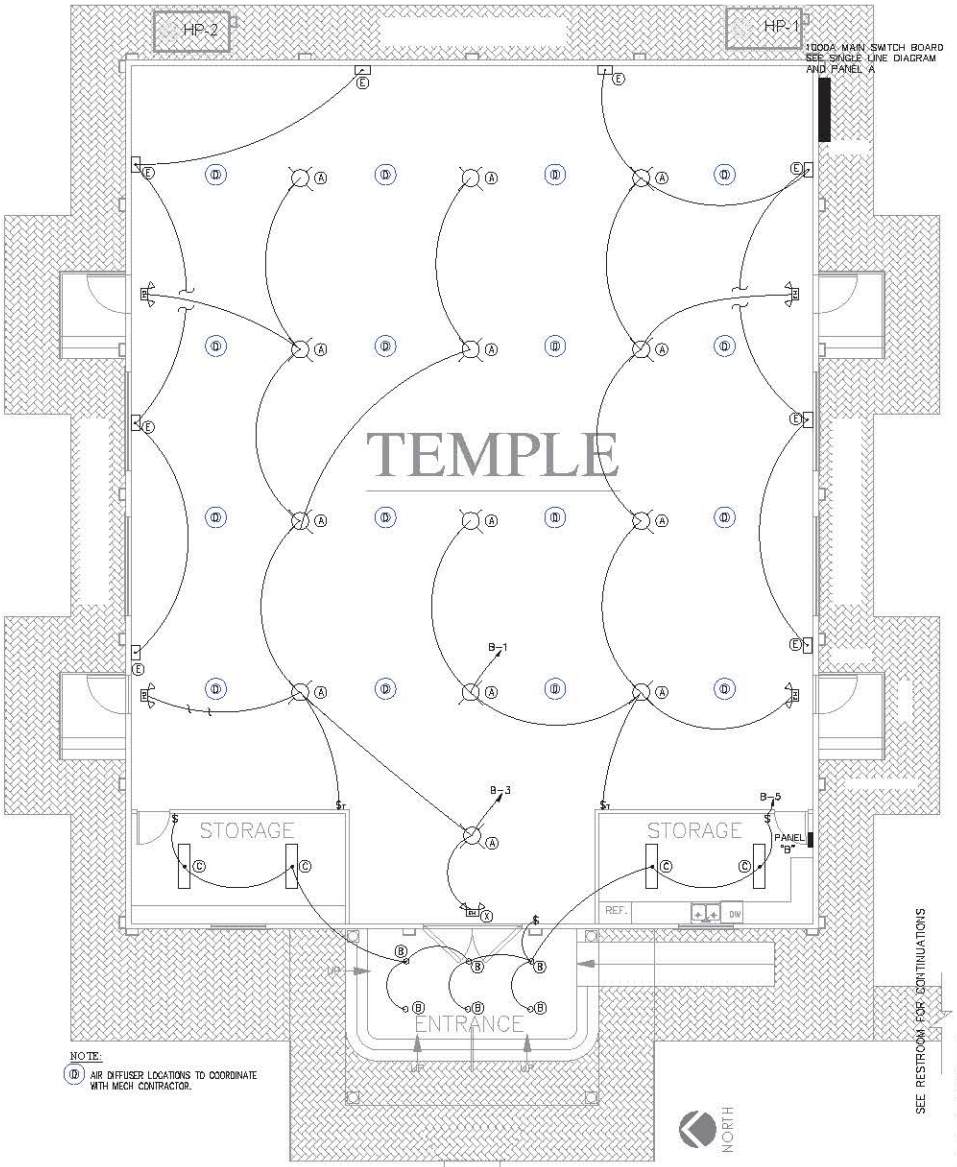
DATE: 03/30/2025
DRAWN:

SHEET TITLE:

TEMPLE AND SERVICE BUILDING POWER FLOOR PLAN, AND EXHAUST FAN WIRING DIAGRAM

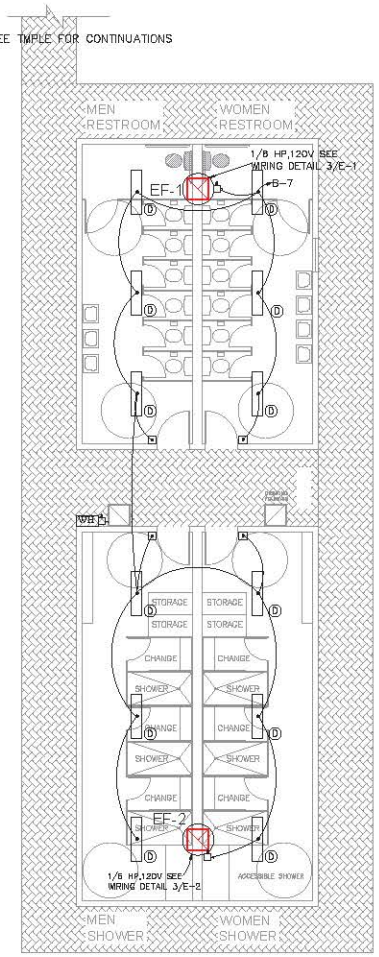
E-1OF E-3 SHEETS

AW Eng 24x36.dwg



NOTE:
(D) AIR DIFFUSER LOCATIONS TO COORDINATE WITH MECH CONTRACTOR.

TEMPLE ELECTRICAL FLOOR PLAN
SCALE 3/16" = 1'-0"
1 E-2



SERVICE BUILDING ELECTRICAL FLOOR PLAN
SCALE 3/16" = 1'-0"
2 E-2

INDOOR LIGHT FIXTURES SCHEDULE

SYMBOL	QTY	MANUFACTURER	CATALOG	DESCRIPTION	LAMP	WATT
Ⓐ	13	LITHONIA	GQP10150	10"X10" CEILING AT 12' AFF	LED	150
Ⓑ	6	"	EVOLW35	8"X8" CEILING RECESS	LED	30
Ⓒ	4	"	CB117	4'X7" CEILING SURFACE	LED	20
Ⓓ	12	"	LBL4LPB35	4'X10" CEILING SURFACE	LED	45
Ⓔ	8	"	WSRLEDSR81	16"X7"X9" WALL MOUNT AT 12' AFF	LED	60
	5	"	LHQMLED	QUANTUM EXIT SIGN WITH 90 MIN. BATTERY	LED	4

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STATE OF CALIFORNIA

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IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR RD.
SACRAMENTO, CA 95828

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DATE: 03/30/2025
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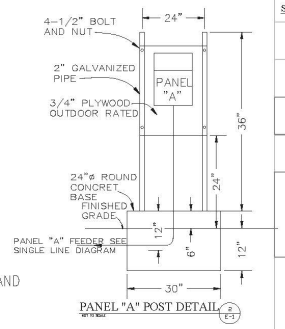
SHEET TITLE:
TEMPLE AND SERVICE BUILDING LIGHTING FLOOR PLAN

E-2 OF E-3 SHEETS

AW Eng 24x36.dwg

GENERAL ELECTRICAL NOTES

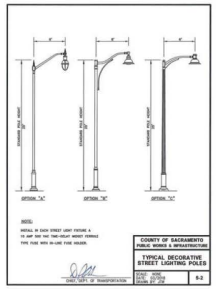
1. ALL NEW ELECTRICAL WIRING SHALL COMPLY WITH 2020 NEC AS AMENDED BY 2022 CEC AND ENERGY CODE.
2. DUPLEX RECEPTACLE OUTLETS, LOCATED WITHIN SIX FEET FROM SINKS OR OUTDOOR, SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER (GFCI) PROTECTION FOR PERSONEL.
3. SWITCHES, RECEPTICAL SHALL BE MOUNTED 15 INCHES FROM FINISH FLOOR TO COMPLY WITH 2022 CBC, SECTION 11B-308.
4. ALL NEW LIGHT FIXTURES SHALL BE LED TYPE AND SHALL BE COORDINATED WITH OWNER AND ARCHITECT.
5. ALL NEW WIRES SHALL BE COPPER AND SHALL COMPLY WITH CEC310
6. RECEPTACLE OUTLETS SHALL BE LISTED TAMPER RESISTANT TYPE IN COMPLIANCE WITH CEC 406.12
7. ALL OUTDOOR ELECTRICL EQUIPMENT SHALL BE WATHERPROOF
8. ELECTRICAL SERVICE EQUIPMENT SHALL BE LEGIBBLE MARKED WITH MAXIMUN AVAILABLE FAULT CURRENT PER CEC 110.24(A).
11. CONTRACTOR SHALL COORDINATE AIC WITH SMUD
12. BOTTOM OF HOUSING ELECTRICAL OUTLETS BOXES SHALL BE 15" AFF AND TOP HOUSING WALL SWITCHES SHALL BE 48" AFF PER CBC 118-308.

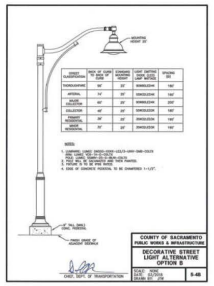


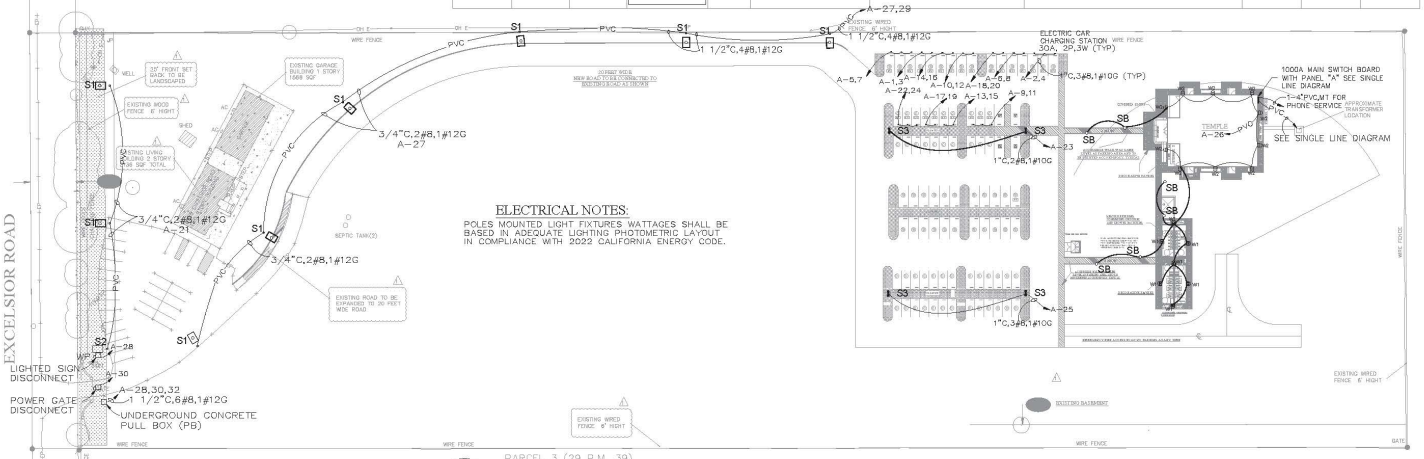
PANEL "A" POST DETAIL 3/E-1

LIGHT FIXTURES SCHEDULE

SYMBOL	LABEL	MH	IMAGE	QTY	MANUFACTURER	CATALOGE	DESCRIPTION	NUMBER LAMP	LLF	INPUT POWER
	S1	25'		8	U.S. ARCHITECTURAL LIGHTING	DS10T-PLED-II-80LED-525mA-40K	FABRICATED BLACK PAINTED METAL HOUSING.	80	0.9	129.7
	S2	25'		1	U.S. ARCHITECTURAL LIGHTING	DS10T-PLED-IV-80LED-525mA-40K	FABRICATED BLACK PAINTED METAL HOUSING.	80	0.9	129.7
	S3	25'		4	U.S. ARCHITECTURAL LIGHTING	DS10T-PLED-VSQ-W-80LED-525mA-40K	FABRICATED BLACK PAINTED METAL HOUSING.	80	0.9	259.4
	SB	3.5'		6	U.S. ARCHITECTURAL LIGHTING	BDA8-HV-LED-CL-24LED-350mA-40K	6-EXTRUSION VERTICAL POWER ARRAT (VPA).	24	0.9	26.4
	W1	10'		7	Lithonia Lighting	WDGE1 LED P2 40K 80CRI VW	WDGE1 LED WITH P2 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	0.9	15.0178
	W2	15'		10	Lithonia Lighting	WDGE2 LED P4 40K 80CRI VW	WDGE2 LED WITH P4 - PERFORMANCE PACKAGE, 4000K, 80CRI, VISUAL COMFORT WIDE OPTIC	1	0.9	34.96







ELECTRICAL NOTES:

POLES MOUNTED LIGHT FIXTURES WATTAGES SHALL BE BASED IN ADEQUATE LIGHTING PHOTOMETRIC LAYOUT IN COMPLIANCE WITH 2022 CALIFORNIA ENERGY CODE.

ELECTRICAL LIGHTING PLAN

1" = 50'-0" (1/E-3)

Statistics Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
DRIVE/PARKING	+	3.3 fc	11.8 fc	1.0 fc	11.8:1	3.3:1
FRONT GATE ENTRANCE	+	2.2 fc	4.0 fc	1.1 fc	3.6:1	2.0:1
WALKWAY	+	2.9 fc	8.0 fc	0.1 fc	80.0:1	29.0:1
ACCESS DRIVE	+	2.4 fc	4.1 fc	1.0 fc	4.1:1	2.4:1

Luminaire Locations	
Label	MH
S1	25.00
S2	25.00
S3	25.00
SB	3.50
W1	10.00
W2	15.00

PANEL "B"

MAIN: 200A, MLO — VOLTS: 120/208V, 3 PHASE, 4 WIRE — FEEDER SIZE: SEE SINGLE LINE DIAGRAM — LOCATION: METER CENTER

LOAD DESCRIPTION	AMPS øA	AMPS øB	AMPS øC	BR	CKT	A	B	C	CKT	BR	AMPS øA	AMPS øB	AMPS øC	LOAD DESCRIPTION
RIGHT SIDE LIGHTS	12			20/1	1			2	20/1	6				FRIDGE
LEFT SIDE LIGHTS		10			3			4				8		DISHWASHER
STORAGE & ENTRENCE			3		5			6					5	RIGHT SIDE RECEPTACLES
RESTROOMS LIGHTS	12				7			8		9				LEFT SIDE RECEPTACLES
DRINKING FOUNTAINS		6			9			10			11			UP RECEPTACLES
WATER HEATER			30	40/1	11			12					6	RESTROOMS RECEPTACLES
	30				13			14		6				SHOWER RECEPTACLES
HEAT PUMP-1		30		40/1	15			16	40/1			30		HEAT PUMP-2
			30		17			18			30			
	30			3/1	19			20	3/1	30				
SPACE					21			22						SPACE
					23			24						
					25			26						
					27			28						
					29			30						
					31			32						
					33			34						
					35			36						

TOTAL A= 135 — B= 95 — C= 104

PANEL "A"

MAIN: 400A, MLO — VOLTS: 120/208V, 3 PHASE, 4 WIRE — FEEDER SIZE: SEE SINGLE LINE DIAGRAM — LOCATION: METER CENTER

LOAD DESCRIPTION	AMPS øA	AMPS øB	AMPS øC	BR	CKT	A	B	C	CKT	BR	AMPS øA	AMPS øB	AMPS øC	LOAD DESCRIPTION
EV CHARGER	30			40/1	1			2	40/1	30				EV CHARGER
		30		/2	3			4	/2		30			
			30	40/1	5			6	40/1			30		
	30			/2	7			8	/2	30				
		30		40/1	9			10	40/1		30			
			30	/2	11			12	/2			30		
	30			40/1	13			14	40/1	30				
		30		/2	15			16	/2		30			
			30	40/1	17			18	40/1			30		
	30			/2	19			20	/2	30				
LIGHT ACCESS ROAD		6		20/1	21			22	40/1		30			
LIGHTS, PARKING			6		23			24	/2			30		
	6				25			26	20/1	5				BLDG. OUT DOOR LIGHTS
LIGHTS, PARKING		5			27			28			6			LIGHTED SIGN
			5		29			30				6		POWER GATE
SPACE					31			32		4				LIGHTS PARKING
					33			34						SPACE
					35			36						

TOTAL A= 255 — B= 277 — C= 219

ELECTRICAL LOAD CALCULATION

1. Temple total area is 4,816 Square Feet (SF)
- A. General lighting load per CEC table 220-12: 4,850X2VA=9,700VA
- B. Small outlet load @ 1VA/SF: 4,850x2VA= 9,750VA
- C. Air condition units load @ 10VA/SF: 10X4,850=48,500VA
- D. 20% of total spare: 67,900 X0.2= 13,580VA
- **E. Temple total electrical load: 81,480 VA**

2. Women and Men Restrooms total area is 1,350 Square Feet (SF).
- A. General lighting load per CEC table 220-12: 1,350x1VA=1,350VA
- B. Small power outlet load @2VA/SF: 1,350x1=1,350VA
- C. Air condition load @2VA/SF: 1,350x2=2,700VA
- D. Women and Men **total electrical load=5,400VA**

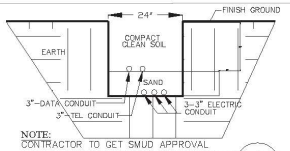
3. Street, Parking and outside lighting Load
- A. Total lighting load per site lighting=2715X1.25= 3,394VA
- B. Total Site Lighting load =3,394642VA

4. EV Charger Load
- A. 11 EV@6.24 KVA: 11X6240= 68,640VA

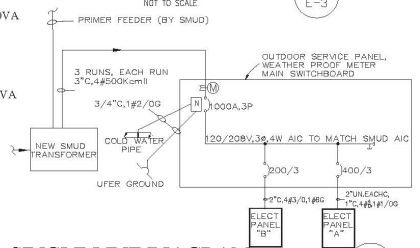
Project total electrical load: 158,910VA=441Amperes

@ 120/208-Volt, three phase, 4-wire.

Furnish and install new 1000Amperes main switch board. The main service feeder shall be 3 parallel runs. Each run shall be 3"C,4#500Kcmil. See single line diagram.



POWER TRENCH DETAIL 3/E-3 — NOT TO SCALE



SINGLE LINE DIAGRAM 2/E-3 — NOT TO SCALE

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Sacramento, CA 95841
Phone: (916)-203-7799
yahya@awhvaceng.com

REGISTERED PROFESSIONAL ENGINEER — ZIYAD M. MANSOUR — 13084 — Exp.6/30/25 — ELECTRICAL — STATE OF CALIFORNIA

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SACRAMENTO, CA 95828

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REV	ISSUE	DATE

DATE: 03/30/2025
DRAWN:

SHEET TITLE:

LIGHTING SITE PLAN, SCHEDULES, DETAILS NOTES, SINGLE LINE DIAGRAM, AND CALCULATIONS,

E-3 OF E-3 SHEETS

AW Eng 24x36.dwg

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-ENV-01-C

This document is used to demonstrate compliance with mandatory requirements in 110.6(a) and 170.7(b)-1 for newly constructed 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/ 180.2/ 180.3 for additions and alterations, related to roof, wall, floor, door, fenestration and daylighting requirements.

Project Name: IU Mien Buddhist Temple — Report Page: (Page 1 of 9)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/11/2025

A. GENERAL INFORMATION

01 Project Location (city)	Sacramento	05 # of Stories (Habitable Above Grade)	1
02 Zipcode	95828	06 Total Conditioned Floor Area (ft²)	5035
03 Climate Zone	12	07 Total Unconditioned Floor Area (ft²)	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 ft² under a roof with a ceiling height of at least 15 ft.?	☐

● Religious Facility

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 140.1/ 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 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]
☐ 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

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-ENV-01-C

Project Name: IU Mien Buddhist Temple — Report Page: (Page 2 of 9)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/11/2025

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 "ICOMPLIES with Exceptional Conditions" refer to Table D, Exceptional Conditions for guidance or see the applicable table referenced below.

Opaque Envelope Components					Fenestration	Daylighting Spaces > 5,000ft²[1]	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 unavailable 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)1&/ 170.2(a)1&3 for new construction. 141.0(a)/ 180.1 for additions, or 141.0(b)2BN/ 180.2 for alterations.

01	Indicate roof types included in the project:	☒ Framed	☐ Framed: Multifamily	☐ Cath	☐ Open Deck & Concrete	☐ Metal Panels	☐ Metal Building

Framed Roof Assemblies

01.	☐	Include Framed Roof Assemblies In Area-Weighted Average U-factor Calculation?

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-ENV-01-C

Project Name: IU Mien Buddhist Temple — Report Page: (Page 3 of 9)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/11/2025

G. RATED ROOFING MATERIAL (COOL ROOF)

This table demonstrates compliance with prescriptive roof material requirements in 140.3(a)1&/ 170.2(a)1& 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 recovers may document compliance with roof material only in Table G.

01	02	03	04	05	06	07	08	09	
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
Tile	A2	New	Nonresidential	Steep slope	Clay roof tiles	Initial solar reflectance and thermal emittance	Reflectance 0.25 / Emittance 0.8 / SRI	Reflectance[3] 0.25 / Emittance 0.81 / SRI	

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CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-ENV-01-C

Project Name: IU Mien Buddhist Temple — Report Page: (Page 4 of 9)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/11/2025

H. WALL ASSEMBLY SCHEDULE

This table demonstrates compliance with prescriptive wall assembly requirements in 140.3(a)/ 170.2(a) for new construction, 141.0(a)/ 180.1 for additions and 141.0(b)1B/ 180.2 for alterations.

01	☐ Indicate wall types included in the project:	☒ Framed	☐ Mass (one side)	☐ Concrete Sandwich Panel (new only)	☐ SIPS	☐ ICF (new only)
		☐ Metal Panels	☐ Metal Building	☐ Spandrel/ Curtain Wall	☐ Straw Bale	☐ Log Home (new only)

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 completed as demonstrated within this table.

Framed Walls

01	☐	Calculate Area-Weighted Average U-factor for Metal Framed Walls?
02	☐	Include Wood Framed Walls In Area-Weighted Average U-factor Calculation?

03	04	05	06	07	08	09	10	11	12	13
Tag/Plan Detail ID	Occupancy & Status	How Design U-factor was determined	Location/ Fire Rating	Frame Material, Spacing & Depth	Cavity Insulation per Design	Continuous Insulation per Design	Thermal Performance Unit	Required Thermal Performance	U-factor per Design	Net Area[4] ft²
W1	Nonresidential/ Remodeled > 72 Hours	1A4 Tables	Exterior wall	Wood 1/2" @ 16" OC (in)	R-19	R-4	U-factor	0.059	per 1A4 Software/ Other: 0.055	

FOOTNOTES: If any individual assembly is non-compliant, assemblies may show compliance using an area-weighted calculation. Metal framed walls may not be combined with other wall types. The area-weighted compliance option is not available for alterations demonstrating compliance with R-values in Table 141.0-C.
[1] For alterations using U-factor vs the Thermal Performance Unit, at least R-10 insulation must be above deck.
[2] "R-value" is shown in cell 12 as the Thermal Performance Unit, the R-value shown here is for continuous insulation per Table 141.0-C.
[3] Roof area minus any fenestration area

I. FLOOR ASSEMBLY SCHEDULE

This section does not apply to this project.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-ENV-01-C

Project Name: IU Mien Buddhist Temple — Report Page: (Page 5 of 9)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/11/2025

J. EXTERIOR DOOR SCHEDULE

This table demonstrates compliance with prescriptive exterior door requirements in 140.3(a)/ 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.

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
D1	A2	Nonresidential	Swinging	Insulated metal swing doors	0.7	0.5

K. FENESTRATION AND GLAZED DOOR SCHEDULE

This table demonstrates compliance with prescriptive fenestration requirements in 140.3(a)/ 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?	☐ Skylights	☐ Vertical (alterations)	☒ Vertical (new)	☐ Multifamily ☐ Vertical/Glazed Door (new)	☐ Glazed Doors (new only)

FOOTNOTES1: 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 completed as 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)	Gross Exterior Wall Area[2] (ft²)	Total Vertical Fenestration Area (ft²)	Vertical Fenestration Area per Design[3] (ft²)
A2 Temple	West Facing	5002	4	104
06	Maximum Allowed Vertical Fenestration (ft²) - All Orientations	430.8	07 Total Vertical Fenestration (ft²) per design- All Orientations	108
08	Maximum Allowed Vertical Fenestration (ft²) per design- West Facing	430.8	09 Total Vertical Fenestration (ft²) per design- West Facing	108

FOOTNOTES2: Orientation between 226 deg and 315 deg are considered "West Facing". A diagram has been provided in the Nonresidential Compliance Manual for visual reference.
[1] Do not include demising walls per 140.3(c)5.
[2] Includes glazed door fenestration area.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Envelope Component Approach
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-ENV-01-C

Project Name: IU Mien Buddhist Temple — Report Page: (Page 6 of 9)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/11/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Gary Becker P.E.	Documentation Author Signature: gary becker		
Company: Gary Becker P.E.	Signature Date: 3/11/2025		
Address: 3450 Fairway Dr	CEA/ HERS Certification Identification (if applicable):		
City/State/Zip: Cameron Park Ca. 95682	Phone: 916-834-0248		

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 the person with overall 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: Arun Deosaran	Responsible Designer Signature:		
Company:	Date Signed:		
Address: 7220 Midtown Way	License: 1029808		
City/State/Zip: Sacramento, CA 95823	Phone: 916 519 2030		

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 1 of 7)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/31/2025

A. GENERAL INFORMATION

01 Project Location (city)	Sacramento	04 Total Conditioned Floor Area (ft²)	5,035
02 Climate Zone	12	05 Total Unconditioned Floor Area (ft²)	0
03 Occupancy Types Within Project (select all that apply):		06 # of Stories (Habitable Above Grade)	1

● Religious Facility

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(a) 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	5035	N/A	0
☐ New Lighting System – Parking Garage		N/A	0	N/A	0
Total Area of Work (ft²)			5035		

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 2 of 7)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/31/2025

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(a) / 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 / 170.2(e)3i	Area Category 140.6(c)2 / 170.2(e)3ii	Area Category Additional 140.6(c)2G / 170.2(e)3Aiv (+)	Tailored 140.6(c)3 / 170.2(e)4B (+)	= Total Allowed (Watts)	Total Designed (Watts)	Adjustments for Lighting Control Credits 140.6(a)2 / 170.2(e)3B (-)	Total Adjusted (Watts) *Includes Adjustments	65 mcot hr <= 08 140.6 / 170.2(e)
	[See Table E]	[See Table E]	[See Table E]	[See Table E]		[See Table F]	[See Table F]		
Conditioned	3,302.5				= 3,302.5	3,239	-	3,239	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 unavailable 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.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-11 07:06:15

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 3 of 7)
Project Address: 6225 Excelsior Rd. Sacramento CA. 95828 — Date Prepared: 3/31/2025

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all planned permanent and portable lighting other than dwelling units' hotel/ motel room lighting. Multifamily dwelling unit and hotel/motel room lighting is documented in Table J. If using Table J 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	11
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change	Watts per luminaire	How is Wattage determined	Total Number of Luminaires	Exclusion per 140.6(a)3 / 170.2(e)2C	Design Watts	Field Inspector	
									Pass	Fail
A	GCP10150	No	NA	150	Mfr. Spec	13	No	1,950	☐	☐
B	EVO19/05	No	NA	30	Mfr. Spec	6	No	180	☐	☐
C	CE/17	No	NA	20	Mfr. Spec	4	No	80	☐	☐
D	ULB-R7693	No	NA	45	Mfr. Spec	12	No	540	☐	☐
E	BF/SLED/60	No	NA	60	Mfr. Spec	8	No	480	☐	☐
							Total Designed Watts: CONDITIONED SPACES	3,230		

FOOTNOTE: Design Watts for shelf aperture and color changing luminaires which qualify per 140.6(a)4& / 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.
[1] 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

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 11:33:02

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 4 of 7)
Project Address: 6225 Excelsior Rd. sacramento CA. 95828 — Date Prepared: 3/11/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Gary Becker P.E.	Documentation Author Signature: gary becker		
Company: Gary Becker P.E.	Signature Date: 3/11/2025		
Address: 3450 Fairway Dr	CEA/ HERS Certification Identification (if applicable):		
City/State/Zip: Cameron Park Ca. 95682	Phone: 916-834-0248		

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 the person with overall 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: Arun Deosaran	Responsible Designer Signature:		
Company:	Date Signed:		
Address: 7220 Greenwood Cir	License: EL-13084		
City/State/Zip: Granite Bay, Ca 95746	Phone: 916 798 7255		

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0018 — Report Generated: 2023-05-10 12:27:55

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 5 of 7)
Project Address: 6225 Excelsior Rd. sacramento CA. 95828 — Date Prepared: 3/11/2025

I. 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.

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.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0019 — Report Generated: 2023-05-11 07:26:15

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

Date Prepared:

R. 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 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. 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
LMCI-LTI-E-A - Must be submitted for all lighting.	All

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 can be found online. 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-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	Temple, Rest Rooms & Shower
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	Temple

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0019 — Report Generated: 2023-05-11 07:26:15

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 6 of 7)
Project Address: 6225 Excelsior Rd. sacramento CA. 95828 — Date Prepared: 3/11/2025

W. 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

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0019 — Report Generated: 2023-05-11 07:26:15

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE — LMCC-LTI-01-E

Project Name: IU Mien Buddhist Temple — Report Page: (Page 7 of 7)
Project Address: 6225 Excelsior Rd. sacramento CA. 95828 — Date Prepared: 3/11/2025

X. 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

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace

CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: rev.20220101 — Compliance ID: 279271-0323-0019 — Report Generated: 2023-05-11 07:26:15

AW HVAC Eng.
HVAC Electrical & Plumbing

5832 Peppermill CT #1
Sacramento, CA 95841
Phone: (916)-203-7799
yahya@awhvaceng.com

REGISTERED PROFESSIONAL ENGINEER — ABDULLAH A. YAHYA — M32154 — Exp.9/30/26 — MECHANICAL — CALIFORNIA

The AW Engineering team jointly and hereby expressly preserve their common right and other property rights in those plans. Those plans are to not be reproduced, copied or changed in any form whatsoever, nor are they to be assigned to a third party without first obtaining the expressed written consent of AW Engineering (916) 203-7799.

IU-MIEN BUDDHIST TEMPLE

6225 EXCELSIOR RD.
SACRAMENTO, CA 95828

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

REV	ISSUE	DATE

DATE: 04/15/2025
DRAWN:

SHEET TITLE:

TITLE-24

T-1 OF T-3 SHEETS

AW Engineering

AW Eng 24x36.dwg

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-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 in low-rise multifamily mixed-use buildings. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4N for outdoor lighting scopes using the prescriptive path for low-rise multifamily occupancies. Multifamily includes dormitory and senior living facilities.

Project Name: Ni Man Buddhist Temple — Report Page: Page 1 of 8
Project Address: 6225 Excelsior Rd, Sacramento , CA 95828 — Date Prepared: 3/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	
02	Climate Zone	12	
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-1 Low – Rural Areas	☒	LZ-3-Moderately High – Urban Areas
04	Total Illuminated Hardscape Area (ft²)	47823	
05	Occupancy Types within Project		

● Religious Facility

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)4N 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	Calculation Method
☐ < 10%	☐ >= 10% and < 50%	☐ >= 50%

Please proceed to Table F, Outdoor Lighting Fixture Schedule to define the project's luminaires.

FOOTNOTE(1): % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 2 of 8

C. COMPLIANCE RESULTS

This table includes area-category allowances calculated per 140.7 / 170.2(e)6. General Hardscape Allowance is per Table 140.7-A/Table 170.2-E while "Use it or lose it" Allowances are per Table 140.7-B/Table 170.2-E. Indicate which allowances are being used to expend 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 not included here. All other multifamily outdoor lighting is included here.

Calculated General Hardscape Lighting Power Allowances per Table 140.7-A for Nonresidential & Hotel/Motel

01	02	03	04	05	06	07	08	09
		Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			
Area Description		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (ft)	Allowed Density	Linear Allowance (Watts)	Total General AWA + LWA (Watts)
Parking		48566	0.021	1019.89	950	0.2	190.4	1210.29
Walk ways and Bike Storage		2600	0.031	53.9	544	0.2	108.8	162.3
Temple Entrance		1000	0.021	21	130	0.2	26	47
						Initial Wattage Allowance for Extra Site (Watts):		350
						Inclusion of Initial Wattage Allowance (1.0 if only):		1
						Total General Hardscape Allowance (Watts):		1658.59

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with unwritable 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.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 3 of 8

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 space 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: 4

01	02	03	04	05	06	07	08	09	10
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1]	How is Wattage determined	Total Number Luminaires	Luminaire Status[2]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. + 6,000 initial lumen output 130.0(b) / 160.5(c)1[3]	Field Inspector Pass	Field Inspector Fail
S1	DS109-FLED-H-80LED	☐	Linear	129.7	Mfr. Spec	8	New	☒	---	N/A: Illuminate public right-of-way	☐	☐
S2	DS109-FLED-H-80LED	☐	Linear	129.7	Mfr. Spec	1	New	☒	---	N/A: Illuminate public right-of-way	☐	☐
S3	DS107-FLED-V50-W-80LED	☐	Linear	259.4	Mfr. Spec	4	New	☐	1,037.6	Provided	☐	☐
S8	BDAR-HY-LED-CL-04LED	☐	Linear	26.4	Mfr. Spec	6	New	☐	158.4	NA: < 6200 lumens	☐	☐
W1	WD0411-LED-P1	☐	Linear	15	Mfr. Spec	7	New	☐	105	NA: < 6200 lumens	☐	☐
W2	WD0412-LED-P4	☐	Linear	35	Mfr. Spec	10	New	☐	350	NA: < 6200 lumens	☐	☐
							Total Design Watts:		1,651			

*[1] NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.*
[2] Luminaire is lighting a detour EXISTING/ to be LIGHTED
[3] FOOTNOTES: Authority Having Jurisdiction may add 2pc Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)
[4] For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 4 of 8

G. SHIELDING REQUIREMENTS (BUG)

This table includes fixtures at >=6,200 initial lumens indicated on Table F as needing to comply with Shielding Requirements. Maximum lumens can be found in Title 24, Part 11, Section 5.106.8.

01	02	03	04	05	06	07	08	09	10	11	12
		Backlight Rating[1]			Uplight Rating[1]			Glare Rating (Lumens)[1]			Field Inspector
Name or Item Tag	Complete Luminaire Description	Mounting Height	Max Allowable Backlight Rating Per Table	Backlight Rating Per Design	Lighting type	Max Allowable Uplight Rating[1]	Uplight Rating Per Design	Mounting Height	Max Allowable Glare Rating[1]	Glare Rating Per Design	Pass	Fail
S3	DS107-FLED-V50-W-80LED	2.5 feet from property line	No Limit	B0	Area Lighting	U0	U0	> 2.5 feet from property line	G3	G3	☐	☐

[1] FOOTNOTES: Mounting Height is labeled MH in this table.
[2] Authority Having Jurisdiction may ask for Luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per 130.2(b)/ 160.5(c)
[3] BUG ratings with a lower number than the "Max Allowable" are compliant. Ex. If Max Allowable is Bug Rating B4, then B0, B1, B2 and B3 are all compliant.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 5 of 8

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 or relocated 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
Parking: "S3"	Astronomical Timer	Provided	N/A: >=24 ft	☐	☐
Walk ways and Bike Storage: "W0"	Astronomical Timer	Provided	Provided	☐	☐

FOOTNOTES: Tool has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific lighting source technologies listed.
[1] Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.
[2] Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-combustible ceilings are excepted from c and d.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 6 of 8
Project Address: 6225 Excelsior Rd, Sacramento , CA 95828 — Date Prepared: 3/17/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Gary Becker P.E.
Company: Gary Becker P.E.
Address: 12317 Fairway Dr
City/State/Zip: Cameron Park,Ca. 95682
Documentation Author Signature: gary becker
Signature Date: 3/11/2025
CEA/ HERS Certification Identification (if applicable): 90638
Phone: 916.934.0268

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 described in 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 described in 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 in 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 made available to the building owner at occupancy.

Responsible Designer Name: Arun Sreeveer
Company:
Address: 7325 Milburn Way
City/State/Zip: Sacramento, Ca 95823
Responsible Designer Signature: Arun Sreeveer
Date Signed: 3/17/2025
License: 31
Phone: 916 719 3030

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 1 of 11
Project Address: 6225 Excelsior Rd, Sacramento , CA 95828 — Date Prepared: 3/17/2025

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	
02	Climate Zone	12	
03	Occupancy Types Within Project:		

● Religious Facility

04	Total Conditioned Floor Area		5025
05	Total Unconditioned Floor Area		0
06	# of Stories (Habitable Above Grade)		1

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(d) or 141.0(b)2I and 180.2(b)3 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

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 2 of 11

C. COMPLIANCE RESULTS

Table 1 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 G, or the table indicated as not compliant for guidance.

01		02		03		04		05		06		07		08	09
System Summary Table 140.4, 120.1, 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 130.1, 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 160.2, 140.4(l), 160.2, 160.3	AND	Cooling Towers 110.2(e)2	Compliance Results
(See Table F)	AND	(See Table I)	AND	(See Table J)	AND	(See Table K)	AND	(See Table L)	AND	(See Table M)	AND	(See Table N)	AND	(See Table M)	
Yes	AND		AND	Yes	AND	Yes	AND	Yes	AND		AND	Yes	AND		COMPLIES

Mandatory Measures Compliance (See Table G for Details): COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with unwritable 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	07
System Name	Quantity	System Serving	System Status	Space Type	Utilizing Recovered Heat	Distribution System Type
HP1 & HP2	2	Single zone	New/ Addition	All Other Occupancies	☐	Ducted System

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 3 of 11

H. EXHAUST AIR HEAT RECOVERY 140.4(q), 170.2(i)6O

01	02	03	04	05	06	07	08	09	10	11
Fan System Name	City	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(i)4O	Exhaust Air Heat Recovery Requirement per 140.4(q) & 170.2(i)4O	Type Of Heat Recovery Device	Required Recovery Ratio	Energy Recovery Bypass
HP1&HP2	2	<4,000	2,000	375	19	No Exemptions Apply	Not Required			

Fan Energy Index (FEI)

01	02	03
Name or Item Tag	FEI Description	FEI
HP1&HP2	Embedded Fan Regulated under 110.2 or 110.1	

I. SYSTEM CONTROLS

This table is used to demonstrate compliance with mandatory controls in 110.3 and 120.2 and prescriptive controls in 140.4(f) and (n), 170.2(i)4O 170.2(c)6L or requirements in 141.0(b)2I, 180.2(b)2I for altered space conditioning systems.

01	02	03	04	05	06	07	08	09	10
System Name	System Zoning	Conditioned Floor Area Being Served (sq ft)	Thermostats 110.2(b) & (c)7, 120.2(n) 160.3(a)1A or 141.0(b)2I & 180.2(b)3	Shut-Off Controls 120.2(e) & 160.3(a)3D	Isolation Zone Controls 120.2(e)2 & 160.3(a)3E	Demand Response 110.12 120.2(h) & 160.3(a)3I	Supply Air Temp. Reset Controls 140.4(n) & 170.2(i)4O	Window Interlocks per 140.4(n) & 170.2(i)4O	Direct Digital Control (DDC) per 110.12
HP1&2	Single zone	>= 25,000 ft²	Setback	Auto Timer Switch	Auto Timer Switch	DR Total per 110.12	Non-Single Zone	NA: No operable windows	NA: Single Zone

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.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0030 — Report Generated: 2025-03-17 10:07:12

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 4 of 11

I. VENTILATION AND INDOOR AIR QUALITY

This table is used to demonstrate compliance with mandatory ventilation requirements in 120.1, 120.2(a)1iB 140.4(p) and 140.4(q) for all nonresidential and 160.2, 160.3(a)1iD, 170.2(c)4H, 170.2(c)6O for 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 spaces to meet required ventilation rates per 120.1(c)1.

Nonresidential and Hotel/ Motel Multifamily Common Use Ventilation Systems

04		05			06		07	
System Name	HP1&2	System Design OA CFM Airflow[2]	4150	System Design Transfer Air CFM	0		Air Filtration per 120.1(c) 141.0(b)2I and 160.2(b)2I[1]	Provided
08	09	10	11	12	13	14	15	16
Space Name or Item Tag	Occupancy Type[2]	Mechanical Ventilation Required per 120.1(c)3[2] & 160.2(c)2					Est. 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[2] 160.2(b)2G 160.2(b)2I 160.2(c)5O
Temple	Place of religious worship	4355			653.25	Required Min OA CFM	Provided per Design CFM	DCV: Provided per §120.1(d)3
								Occ Sensor: N/A: Not required space type
Restrooms	Toilet, public	670	18		180.5	1260	4150	DCV: N/A: Not required space type
								Occ Sensor: N/A: Not required space type
17	Total System Required Min OA CFM				753.75	18	Ventilation for this System Complies?	Yes

FOOTNOTES: System CFM should include both mechanical and natural ventilation for the zone/system

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0030 — Report Generated: 2025-03-17 10:07:12

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 7 of 8

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This table includes areas using the wattage allowances per specific area from Table 140.7-B /Table 170.2-E. 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)	Allowed Density (W/ft²)	Extra Allowance Density (Watts)	Luminaire Name or Item Tag	Watts per Luminaire	# of Luminaires	Design Watts	Additional Allowance (Watts)
Temple Facade	Building facade	3976	0.17	675.92	W2	35	10	350	150
							Total Design Watts for this Area:	350	
front room facade	Building facade	2020	0.17	343.4	W1	15	7	105	105
							Total Design Watts for this Area:	105	
							Total Allowance (Watts) All Areas:	455	

FOOTNOTES: See Table 140.7-B /Table 170.2-E for rules for calculating the specific areas (ft²) for these additional lighting allowances.
For luminaires indicated in Table F as linear, wattage in column DT is W/ft 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

LMCI-LTG-E - Must be submitted for all buildings.

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 5 of 11

J. VENTILATION AND INDOOR AIR QUALITY

[1] 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.
[2] Uniform Mechanical Code may have more stringent ventilation requirements; the most stringent code requirement takes precedence.
[3] See Standards Tables 120.1-A and 120.1-B.
[4] For lecture halls with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.
[5] 120.2(e)2 requires occupancy sensing rooms that are required by 131.1(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 1,000ft², classrooms, conference rooms, restrooms, aisles and open areas in warehouses, library book stack aisles, corridors, stairwells, parking garages, and loading and unloading areas, unless exempted 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 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 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: HP1&2 — **NRCC Common Use:** Duct leakage testing shall not exceed 6% per NA7.5.3 reached for these systems? — No

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0030 — Report Generated: 2025-03-17 10:07:12

STATE OF CALIFORNIA
Outdoor Lighting CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-LTG-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 8 of 8

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

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 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	System/Spaces To Be Field Verified
NRCA-LTG-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Parking: "S3" Walk ways and Bike Storage: "S8"

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0026 — Report Generated: 2025-03-11 13:09:54

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 6 of 11

K. EXHAUST AIR HEAT RECOVERY

L. SYSTEM CONTROLS

M. PUMPS

This section does not apply to this project.

N. PIPING INSULATION

This table is used to show compliance with mandatory pipe insulation requirements found in 120.3 and mandatory requirements found in 120.4 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 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: HP1&2 — **NRCC Common Use:** Duct leakage testing shall not exceed 6% per NA7.5.3 reached for these systems? — No

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0030 — Report Generated: 2025-03-17 10:07:12

STATE OF CALIFORNIA
Mechanical Systems CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE LMCC-MCH-01-E
Project Name: Ni Man Buddhist Temple — Report Page: Page 7 of 11

O. PIPING INSULATION

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Registration Number: — Generated Date/Time: — Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance — Report Version: 2022.0.000 — Schema Version: nv-20220100 — Compliance ID: 270171-0325-0030 — Report Generated: 2025-03-17 10:07:12

AW HVAC Eng.
HVAC Electrical & Plumbing
5832 Peppermill CT #1
Sacramento, CA 95841
Phone: (916)-203-7799
yahya@awhvaceng.com

REGISTERED PROFESSIONAL ENGINEER — ABDULLAH A. YAHYA — M32154 Exp.9/30/26 — MECHANICAL — CALIFORNIA

The AW Engineering team jointly and hereby expressly preserve their common right and other property rights in those plans. Those plans are to not be reproduced, copied or changed in any form whatsoever, nor are they to be assigned to a third party without first obtaining the expressed written consent of AW Engineering (916) 203-7799.

IU-MIEN BUDDHIST TEMPLE
6225 EXCELSIOR RD.
SACRAMENTO, CA 95828

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

REV	ISSUE	DATE

DATE: 04/15/2025
DRAWN:

SHEET TITLE:
TITLE-24

T-2 OF T-3 SHEETS

AW Engineering

AW Eng 24x36.dwg

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-MCH-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 8 of 11)
Project Address: | Date Prepared:

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?	---
		Duct leakage testing per CMC Section 603.9.2 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	No	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	No	All Ductwork and plenums with pressure class ratings shall be constructed to Seal Class A	
18	No	All ductwork is an extension of an existing duct system	
19	No	Ductwork serving individual dwelling unit	
20		25 ft of new or replacement space conditioning ducts installed	
21	R-6	Duct insulation R-value	
22	No	Ductwork Existing To Remain	
23	No	Duct System Connected To Altered Space Conditioning System	

M. COOLING TOWERS

This section does not apply to this project.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0000 Report Generated: 2025-05-17 10:57:12

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-MCH-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 9 of 11)
Project Address: | Date Prepared:

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/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-2

Form/Title
LMCI-MCH-01-E - Must be submitted for all buildings
LMCI-MCH-27b-H Indoor Air Quality and Mechanical Ventilation

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/HVAC/2022standards/2022_compliance_documents/UserInfoAll/family_Documents/MCA/

Form/Title	Systems/Spaces To Be Field Verified
MCA-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.	AP1&2
MCA-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".	NA
MCA-MCH-05-A - Air Economizer Controls	AP3&HP2
MCA-MCH-06-A Demand Control Ventilation Systems must be submitted for all systems required to employ demand controlled ventilation (refer to 120.1(b)3) can vary outside ventilation flow rates based on maintaining interior carbon dioxide (CO2) concentration setpoints.	Temple

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0000 Report Generated: 2025-05-17 10:57:12

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-MCH-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 10 of 11)
Project Address: | Date Prepared:

R. DECLARATION OF REQUIRED CERTIFICATES OF VERIFICATION

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 completed by a HERS Rater and provided to the building inspector during construction. The final documents must be created by a HERS Provider's registry. And drafts can be found online at https://www.energy.ca.gov/programs-and-topics/programs/building-energy-efficiency-standards/2022-building-energy-efficiency-2

Form/Title	Systems/Spaces To Be Field Verified
MCH-MCH-26-H Rated space conditioning system equipment verification *NOTE: Must be completed by a HERS Rater*	

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	No	Plan sheet or construction document location
03		**04**
Mandatory Measure		**Plan sheet or construction document location**
Heating Equipment Efficiency per 110.1		M1
Cooling Equipment Efficiency per 110.1		M1
Furnace Standby Loss: Control per 110.2(d)		NA
Duct Insulation per 120.4		M1
Heat Pump with Supplemental electric Resistance Heater Controls per 110.2(b)		M1
The air duct and plenum system is designed per 120.4(a)-(f)		M1
Kitchen range hoods shall be rated for sound in accordance with Section 7.2 of ASHRAE 62.2		NA

STATE OF CALIFORNIA
Mechanical Systems
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-MCH-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 11 of 11)
Project Address: 6225 Excelsior Rd , Sacramento, Ca 95828 | Date Prepared: 3/7/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Gary Becker P.E.	gary becker
Company:	Signature Date: 3/7/2025
Gary Becker P.E.	
Address: 5403 Fairway Dr	CEA/ HERS Certification Identification if applicable:
City/State/Zip: Cameron Park, CA 95682	Phone: 916.934.0048

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: Abdullah Yahya P.E.	Responsible Designer Signature:
Company:	Date Signed: 3/11/2025
Address: 5832 Peppermill #1	License: M 32154
City/State/Zip: Sacramento, CA 95841	Phone: 916-203-7799

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.
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Responsible Designer Name: Abdullah Yahya P.E.	Responsible Designer Signature:
Company:	Date Signed: 3/11/2025
Address: 5832 Peppermill #1	License: M 32154
City/State/Zip: Sacramento, CA 95841	Phone: 916-203-7799

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 1 of 8)
Project Address: 6225 Excelsior Rd , Sacramento, Ca 95828 | Date Prepared: 3/10/2025

A. GENERAL INFORMATION

01	Project Location (city)	Sacramento	02	Climate Zone	12
03	Occupancy Types Within Project (select all that apply):				

● Religious Facility

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 140.5 (TL1b) 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 LMCC-SWH compliance document. Combined hydronic water heating systems are documented on the LMCC-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)	Central System (serving nonresidential spaces)	☒ Equipment ☒ Distribution ☒ Controls
☐ System Alteration (equipment, distribution or controls)		☐ Equipment ☐ Distribution ☐ Controls

[1]CUTOUTNOTES: 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]For systems serving 2 or more dwelling units are considered "Central Systems" for multifamily occupancies

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0000 Report Generated: 2025-05-17 10:57:12

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 2 of 8)
Project Address: | Date Prepared:

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 unsellable 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.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0008 Report Generated: 2025-05-08 09:10:37

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 3 of 8)
Project Address: | Date Prepared:

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 or 180.2 for addition and alteration scopes.

Equipment Schedule: Water Heating Efficiency and Standby Loss

03	04		05		06		
System Name	WH1	Exception to 140.5(c)/ 170.2(d)3	Exceptions Do Not Apply	☐	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
P1	NGCA Individual Heat Pump Water Heater								

[1]CUTOUTNOTES: In systems >= 1MMBtu/h with multiple units, gas water heaters with input capacity < 200,000 Btu/h may meet 90% Et requirements via an input capacity-weighted average.
[2]FOOTNOTE: Complient equipment may be found in the Modernized Appliance Efficiency Database System (MAEDBS) on the Energy Commission website: https://cacertappliances.energy.ca.gov/Pages/Search/AdvancedSearch.aspx

Water Heating Equipment All Occupancies

	Yes	No	Not Applicable	Requirement
18	☐	☐	☒	Certified 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(j).
20	☐	☐	☒	Isolation valves for instantaneous water heater with input rating >8.8 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)1L. Water heating systems serving an individual bathroom space may be an instantaneous electric water heater.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0008 Report Generated: 2025-05-08 09:10:37

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 4 of 8)
Project Address: | Date Prepared:

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(c).

Recirculation Loops in Central Systems Serving Dwelling Units or Nonresidential Spaces

	Yes	No	Not Applicable	Requirement
01	●	○	○	Air release valve or vertical pump installation per 110.3(c)4A
02	○	○	●	Check valve or similar located between recirculation pump and water heating equipment to prevent backflow per 110.3(c)4B
03	○	○	●	Hose bibb installed between pump and equipment and isolation valve between hose bibb and equipment per 110.3(c)4C
04	○	○	●	Isolation valves on both sides of the pump per 110.3(c)4D
05	○	○	●	Cold water and recirculation loop piping shall not be connected to the hot water storage tank drain port per 110.3(c)4E
06	○	○	●	Check valve installed on cold water supply between hot water system and next closest tee on cold water supply per 110.3(c)4F
07	○	○	●	DWELLING UNITS ONLY: For central systems serving multiple dwelling units, design includes a recirculation system serving separate dwelling units per 170.3(d) unless building has <=8 dwelling units.
08	○	○	●	DWELLING UNITS ONLY: For heat pump water heating systems, the hot water return from the recirculation loop shall connect to a recirculation loop tank and shall not directly connect to the primary heat pump water heater inlet or the primary thermal storage tanks per 170.3(d)3A.
09	○	○	●	DWELLING UNITS ONLY: For heat pump water heating systems, the fuel source for the recirculation loop tank shall be electricity if auxiliary heating is needed. The recirculation loop heater shall be capable of multi-pass water heating operation per 170.3(d)3B.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0008 Report Generated: 2025-05-08 09:10:37

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 5 of 8)
Project Address: | Date Prepared:

G. DOMESTIC HOT WATER DISTRIBUTION SYSTEM

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 below) 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 also 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 SF per °F)	Insulation Mean Rating Temp (°F)	Nominal Pipe Diameter (in)		
			<1	1 to < 1.5	1.5 to < 4
			Minimum Insulation Required		
105-140	0.22 - 0.28	100	1.0 in or R-7.7	1.5 in or R-11.5	1.5 in or R-11

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0008 Report Generated: 2025-05-08 09:10:37

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 6 of 8)
Project Address: | Date Prepared:

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(e).
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 heathcare 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 150.4(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 >= 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.

Registration Number: | **Generated Date/Time:** | **Documentation Software: Energy Code Ace**
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | **Report Version: 2022.0.000 Schema Version: rev 20220101** | **Compliance ID: 278271-0325-0008 Report Generated: 2025-05-08 09:10:37**

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 7 of 8)
Project Address: | Date Prepared:

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
LMCI-PLB-E - Domestic Water Heating System
LMCI-PLB-01-E - Multifamily Central Hot Water System Distribution

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.

Registration Number: | Generated Date/Time: | Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Low-rise Multifamily Compliance | Report Version: 2022.0.000 Schema Version: rev 20220101 | Compliance ID: 278271-0325-0008 Report Generated: 2025-05-08 09:10:37

STATE OF CALIFORNIA
Domestic Water Heating System
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE: LMCC-PLB-01-E
Project Name: IU Men Buddhist Temple | Report Page: (Page 8 of 8)
Project Address: 6225 Excelsior Rd , Sacramento, Ca 95828 | Date Prepared: 3/10/2025

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Gary Becker P.E.	gary becker
Company:	Signature Date: 3/10/2025
Gary Becker P.E.	
Address: 5403 Fairway Dr	CEA/ HERS Certification Identification if applicable:
City/State/Zip: Cameron Park, CA 95682	Phone: 916-934-0048

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.
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Responsible Designer Name: Abdullah Yahya P.E.	Responsible Designer Signature:
Company:	Date Signed: 3/11/2025
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The AW Engineering team jointly and hereby expressly preserve their common right and other property rights in those plans. Those plans are to not be reproduced, copied or changed in any form whatsoever, nor are they to be assigned to a third party without first obtaining the expressed written consent of AW Engineering (916) 203-7799.

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SACRAMENTO, CA 95828

Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

REV	ISSUE	DATE

DATE: 04/15/2025
DRAWN:

SHEET TITLE:

TITLE-24

T-3 OF T-3 SHEETS

AW Engineering

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