

ML MICRO-LAM (BY TRUS JST) O.C. ON CENTER O/S ONE SIDE

OH OPPOSITE HAND

O.S.B. ORIENTED STRAND BOARD

OPP OPPOSITE

OD OUTSIDE DIAMETER PSL PARALLAM (BY TRUS JST) PARL or // PARALLEL PP PARTIAL PENETRATION PEN PENETRATION PL PLATE PLY PLYWOOD PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH P.A.F. POWER ACTUATED FASTENER

PDF POWER DRIVEN FASTENER

PT PRESSURE TREATED

PRT PRESERVATIVE TREATED PL PROPERTY LINE or PLATE R. RADIUS RWD REDWOOD REF REFERENCE REQ'D REQUIRED RMT. ROSBORO MFG. TIMBER SCHED SCHEDULE SAD SEE ARCHITECTURAL DWGS SMD SEE MECHANICAL DWGS STS SELF-TAPPING SCREW SW SHEAR WALL SIM SIMILAR SJ SLAB JOINT

S.O.G. SLAB ON GRADE SB SOLID BLOCK SPEC SPECIFICATION SQ SQUARE STD STANDARD

STL STEEL SYM SYMMETRICAL THRD THREADED T.N. TOE NAIL T&G TONGUE & GROOVE T&B TOP & BOTTOM T.O. TOP OF

TS TUBE STEEL TRMR. TRIMMER TYP TYPICAL UBC UNIFORM BUILDING CODE UNO UNLESS NOTED OTHERWISE VERT VERTICAL WT WEIGHT WS WELDED STUD/WOOD SCREW

WWF WELDED WIRE FABRIC

WWM WELDED WIRE MESH

**GENERAL NOTES AND SPECIFICATIONS:** 

**DIVISION 1 - GENERAL:** a. All work shall conform to the 2019 CBC and applicable local codes.

b. Where applicable allowable stresses have been increased 15% (Except Alpine and Placer Counties) for short duration and 60% for seismic and wind loading. c. Dunagan Engineering, Inc. is responsible for the structural items in the plans only. Should any

changes be made, or should the results of these calculations not be fully or properly transferred to the plans by others, Dunagan Engineering, Inc. assumes no responsibility for the structure. No deviation from structural details shall be made without the written approval of the Structural Engineer. Approval by governing agency does not constitute authority to deviate from plans or d. All codes and standards shall be the most current edition as of the date of the calculations.

e. The details shown on the drawings are typical. Similar details apply to similar conditions. f. The calculations are based upon a complete structure. Should an unfinished structure be subjected to loads, Dunagan Engineering, Inc. should be consulted for an interim design or if not, will assume

g. Temporary supports, etc., are the sole responsibility of the framing contractor and have not been considered by the structural engineer. Framing contractor is responsible for the stability of the structure prior to the application of shear walls, roof and floor diaphrams and finish materials. He shall provide the necessary bracing to provide stability prior to the application of the aforementioned materials. Observation visits to the site by field representative of the Structural Engineer do not include inspections of construction means and methods. Observation performed by Architect and/or Structural Engineer during construction are not continuous and detailed inspection services are performed by others. Observations performed by Structural Engineer are performed solely for the purpose of determining if contractor understands design intent conveyed in the contract documents. Observations do not guarantee contractor's performance and are not to be construed as supervision of construction.

h. Dunagan Engineering, Inc. expressly reserves its common law copyright and other property rights in these plans. These plans are not to be reproduced, changed or copied in any manner whatsoever, nor are to be assigned to a third party without first obtaining the written permission and consent of Dunagan Engineering, Inc. In the event of unauthorized reuse of these plans by a third party, the

third party shall hold Dunagan Engineering, Inc. harmless. These drawings and all written material herein are instruments of service and constitute original and unpublished work of the Engineer. They remain the property of the Engineer whether the project for which they are made be executed or not. They may not be duplicated, used on other projects or by other than the original Owner whose name appears herein without the express written consent of

Adhesive anchors shall be Simpson AT-XP Epoxy per ICBO ESR-2508 with ASTM A36 threaded rod or approved equal, U.N.O., Expansion anchors shall be Simpson Strong Bolts per ICBO-ESR-1771, U.N.O., Adhesive or expansion anchors shall not be installed without authorization by Structural Engineer and until concrete and masonry has cured to design strength.

**DIVISION 2 - FOUNDATION:** a. Building sites are assumed to be drained and free of clay or expansive soil. Any other conditions should be brought to the attention of Dunagan Engineering, Inc.

b. These calculations assume stable, undisturbed soils and level or stepped footings. Any other conditions should be reported to Dunagan Engineering, Inc. c. All footings shall bear on undisturbed soil with a footing depth 24" below frostline.

 All finish grade shall slope away from foundation for a minimum of 10'-0". e. An assumed soil bearing pressure is determined and will be increased in accordance with CBC f. Fill material shall be free from debris, vegetation, and other foreign substances.

g. Backfill trenches shall be compacted to 90% relative density per ASTM D1557 to within 12" of finished grade. The top 12" shall be landscape fill. h. Backfill at pipe trenches shall be compacted on both sides of pipe in 6" lifts.

Waterproof exterior faces of all foundation walls adjacent to usable spaces. Waterproofing of all foundation and retaining walls to be the responsibility of the owner and/or contractor. All backfill against foundation walls must be compacted to 90% relative density, unless otherwise

k. Perforated pipe sub-drain typical behind all retaining walls. Use 4" diameter PVC except where noted otherwise. Slope pipe to drain to daylight and drywell. **DIVISION 3 - CONCRETE:** 

a. All concrete shall have a minimum 28 day compressive strength of 2500 psi. To accommodate the "Severe Weather for Concrete" category, concrete shall have a minimum 28 day compressive strength of 3000 psi for foundation walls and other vertical concrete exposed to weather and a minimum compressive strength of 3500 psi for slabs, porches and other exterior flatwork, including garage slabs, exposed to weather as recommended by Table R402.2 of the IRC and Table 1940.2 of the IBC. No special inspection is required as design assumes 2500 psi.

b. Reinforcement shall be per ASTM A615 grade 60 ksi, U.N.O. c. Lap reinforcing Per Detail 5/S0.2, U.N.O.

d. Reinforcement cover in cast-in-place concrete shall be as follows: - 3" - Concrete cast against and permanently exposed to earth.

- 1 1/2" - Concrete exposed to earth or weather with #5 bars or smaller. - 1 1/2" - Concrete not exposed to weather or in contact with ground, #11 bars and smaller.

- 1 1/2" - Beams, columns, and pilaster, cover over ties. - 1 1/2" - Clear to top for reinforcement in slabs on grade. e. All slabs on grade, S.O.G., shall have a minimum thickness of 4" and be reinforced with #3 at 18" o.c., or with Fibermesh as per manufacturers specifications equivalent to reinforcement

specified above, U.N.O. f. Concrete shall be air-entrained to 6% +/- 1%. (For exterior slabs only)

g. Provide slab control joints (saw cut or plastic inserts) at 10'-0" maximum spacing each way for 4" slab. Joint depth to be 1/4 of slab depth.

h. All Post Tension concrete shall be Type II and have a minimum 28 day compressive strength of 4000 psi., U.N.O. Post Tension Concrete shall be air-entrained per Post Tension Designer.

**DIVISION 4 - MASONRY** 

a. All masonry units shall conform to ASTM C90 grade N units, U.N.O. b. All masonry cells are to be solid grouted with mortar conforming to ASTM C279, type S, with a

28 day compressive strength of 1500 psi. minimum, U.N.O. c. Vertical steel placement in masonry walls to be #4 bars at 16" o.c. maximum spacing, U.N.O. d. Horizontal steel placement in masonry walls to be #4 bars at 24" o.c. maximum spacing, U.N.O. **DIVISION 5 - METALS:** 

a. All hardware called for shall be Simpson Strong-Tie Co, Inc. and installed per the manufacturer's specifications, U.N.O.

b. Structural steel shall conform to ASTM A992, grade 50 U.N.O. Miscellaneous steel such as plates, channels and angles may be ASTM A36. Steel pipe columns shall conform to ASTM A53, Type E or S. Steel tube sections shall conform to ASTM A500, Grade B. c. All steel exposed to weather shall be hot-dip galvanized after fabrication or other approved

weather proofing methods may be used. Where finish is attached to steel provide 1/2" dia. bolt holes at 36" o.c., U.N.O.. For attachment of nailers see architectural drawings for finishes. (alternate 1/2" dia. x 3" nelson studs at

dv36" o.c., U.N.O.) e. All grout under steel bearing plates shall be solid drypack or non-shrink grout placed as directed by the manufacturer. Shop drawings shall be submitted to the Structural Engineer for review and comment prior to

All welding shall conform to the American Welding Society specifications. All welding shall be performed by certified welders approved by the local building authority. All shop welding shall be in an approved fabricator's shop authorized by the local building authority or special inspection per the CBC shall be provided. All field welding shall require special inspection per CBC Section 1704.

All welding electrodes shall be E70XX or shielded wires with Fy = 70 ksi. All nails specified are common nails. No substitutions unless approved in writing by Dunagan Engineering, Inc. or specifically addressed in these calculations or the plans. All nails exposed to weather shall be galvanized. Fasteners for pressure-preservative treated and fire-retardant treated wood shall be of hot-dipped zinc coated galvanized, stainless steel, silicon bronze or

The minimum nailing for all framing shall conform to CBC Table 2306.2.1 All bolts specified must meet ASTM A307. Bolt holes to be 1/32" to 1/16" larger than specified bolt. Washers shall be used at each bolt head and nut next to wood. All washers to be not less

Wood plates or sills shall be bolted to the foundation or foundation wall. Steel bolts with a minimum nominal diameter of 1/2" shall be used. Bolts shall be embedded at least 7 inches into the concrete or masonry. In a two pour system embedment shall be into the first pour. There shall be a minimum of two bolts per piece with one bolt located not more than 12 inches or less

than 7 bolt diameters from each end of the piece. m. Plate washers a minimum of 3"x3"x1/4" thick shall be used on each bolt. See CBC section 2305.3.11 for alternate.

<u>DIVISION 6 - WOOD:</u> a. All lumber framing shall be Douglas Fir Larch (DOC PS20) with moisture content < 19% at time of covering, U.N.O.

b. Glu-Lams used for simple spans shall be 24F-V4 U.N.O. Glu-Lams used for continuous spans or cantilever shall be 24F-V8, U.N.O. Glu-Lams exposed to weather shall be rated for exterior use by manufacturer or approved protection from exposure to be provided. c. All plywood shall conform to APA DOC PS1 or DOC PS2. All shear plywood shall be C-D, C-C,

303 (T1-11), or approved equal. d. Where multiple trimmers or studs are specified, those trimmers are to be stacked in all wall framing and solid blocking to be provided at all floors down to the foundation. e. Where posts with column caps, straps, or bearing plates are called for, the load is to be

transferred to the foundation with posts as specified in the plans and solid vertical grain blocking at all floors, U.N.O. f. All studs to be stud grade or better, U.N.O. In no instance shall a stud wall be used to resist lateral pressures due to snow or soil. It is the owner and/or contractor's responsibility to

eliminate snow and/or soil to stud wall contact. All laminated veneer lumber (LVL) and parallel strand lumber (PSL) specified shall have the following minimum design strengths: 1 3/4" wide: Fb=2600 psi, Fv=285 psi, E=1,900,000 psi. 3 1/2" wide and greater: Fb=2900 psi, Fv=290 psi, E=2,000,000 psi. h. All multiple-ply LVL members to be attached with (3) rows of 16d common nails at 12" o.c. for

entire length of member. For a three piece member the nailing is from each side. i. Foundation sill plates, nailers, and ledgers in direct contact with concrete and within 6" of ground to be preservative treated Douglas Fir. Fasteners for preservative treated and fire treated wood shall be of hot dipped, zinc coated,

galvanized steel, silicon, bronze or copper. The coating weights for zinc coated fasteners shall be in accordance with ASTMA 153. k. All framing members specified in these calculations and/or plans are minimums, and larger

members of equal or better grade may be substituted.

I. All floor openings shall be between joists, U.N.O. m. Do NOT notch beams, joists, and studs, U.N.O.

n. Provide double joists below all parallel partition walls. o. No green lumber at time of covering shall be used on this project. p. No framing of any type shall be concealed prior to inspection by governing agencies. q. Sawn lumber shall have the following minimum grades (U.N.O.): all 4x12 & smaller framing members .

- all 4x14, 4x16, 6x & 8x framing members 4x4 posts all other posts and timbers all 2x joists and rafters - all 2x & 3x studs (unbraced length up to 10'). ..stud or construction

 all 2x & 3x studs (unbraced length exceeding 10') all 2x top plates ..standard all 2x and 3x sills ..standard ...grade per manuf manuf. truss components ..... r. All resawn and roughsawn beams are to be free of heart center.

s. Double joists shall be attached with (2) rows of 16d's at 12" o.c. edge distance of nailing t. All multiple studs to be attached with 16d's at 12" o.c.

**DESIGN CRITERIA:** 2019 California Building Code (CBC) Local Building Department Standards

Soil Bearing (CBC Table 1806.2)

WIND DESIGN DATA Ultimate Design Wind Speed, Vu = 120 m.p.h. (3-Second Gust) Risk Category II

Wind Importance Factor, Iw = 1.00 Wind Exposure C Internal Pressure Coefficient = +/- 0.18 Components & Cladding Design Pressures (ASCE 7 Section 30.4.2): a = 3.2 ft (ASCE 7 Figure 30.4-1)

SEISMIC DESIGN DATA Importance Factor, le = 1.00 (Risk Category II) Ss = 0.627 g and S1 = 0.349 g

Site class: = D

for Shear Resistance, R = 6.5

Flat-Roof Snow Load

Floor Live Load =

Floor Dead Load =

Total Floor Load =

Total Load =

SDs = 0.543 g, SD1 = 0.100 gSeismic design category: = D Basic seismic-force-resisting system(s): = Light-Framed Walls Sheathed with Wood Structural Panels Rated

Analysis Procedure Used = Equivalent Lateral Force Procedure **SNOW LOAD DATA:** 2630 FT. Site Elevation Pg = 54 psf**Ground Snow Load** 

Ce = 0.9Snow Exposure Factor Snow Importance Factor ls = 1.0Thermal Factor Ct = 1.1FLOOR FRAMING DESIGN LOADS **UPPER:** LOWER DECK:

Pf = 40 psf

50 PSF

100 PSF

RAFTER LOADING Snow Load = 20 PSF 60 PSF Dead Load =

**CONNECTION CROSS REFERENCE** 

Simpson Strong-Tie	oson Strong-Tie USP Structural Connectors Simpson Strong-Tie		USP Structural Connectors	Simpson Strong-Tie	USP Structural Connectors	Simpson Strong-Tie	USP Structural Connectors
Product Number	Product Number	Product Number	Product Number	Product Number	Product Number	Product Number	Product Number
SSTB16	STB16	CB66	KCB66	HU410	HD410	HGUS26-3	THDH26-3
SSTB24	STB24	CB68	KCB68	HU412	HD412	HGUS28-3	THDH28-3
HDU5-SDS2.5	PHD5	HUCQ1.81/9-SDS	HDQ179IF	HU68	HD68	TJC37	SNP3
HDQ8-SDS3	UPHD8	HUCQ1.81/11-SDS	HDQ17112IF	HU610	HD610	THJA26	HJC26
HHDQ11-SDS2.5	UPHD11		HDQ1714IF	HU612	HD612	MTHM	HJHC26
HHDQ14-SDS2.5	UPHD14	HUCQ310-SDS	HDQ310IF	LSU26	LSSH15-TZ	DSC4R/L-SDS3	DSC4R/L
HD15	TD15	HUCQ210-2-SDS	HDQ210-2IF	LSSU28		ST6224	KST224
ABU44	PAU44	HUCQ410-SDS	HDQ410IF	LSSU210	LSSH210	CS16	RS150
ABU46	PAU46	HUCQ412-SDS	HDQ412IF	SUR/L24	SKH24R/L	MSTC48B3	
ABU66	PAU66	HUCQ210-3-SDS	HDQ210-3IF	SUR/L26	SKH26R/L	H1	RT15
ABU88	PAU88	HUCQ5.25/9-SDS	HDQ5210IF	SUR/L210	SKH210R/L	H2.5A	RT7A
PB44	WE44	HUCQ5.25/11-SDS	HDQ5212IF	IUS	THF	H2A	RT10
PB46	WE46	HUCCQ610-SDS	HDQ610IF	HU11	HD17112	HGA10KT	HGA10
PB66	WE66	HUCQ612-SDS	HDQ612IF	IUT	THF	A34	MP34
CBQ44	KCBQ44	LUS24	JUS24	ITS	THO/TFL	A35	MPA1
CBQ46	KCBQ46	LUS26	JUS26	ITT	THO/TFL	LTP4	MP4F
CBQ66	KCBQ66	LUS28	JUS28	LUS26-2	JUS26-2	LS50	MP5
CB44	KCB44	LUS210	JUS210	HHUS26-2	THD26-2	LS70	MP7
CB46	KCB46	LUS46	JUS46	HGUS26-2	THDH26-2	LS90	MP9
CB48	KCB48	HU46	HD46	HHUS28-2	THD28-2	CCQ/ECCQ	KCCQ/KECCQ

NAIL SPECIFICATIONS											
NAIL TYPE	NOMINAL DIAMETER (GAGE)	NOMINAL LENGTH	MIN. EMBED FOR P.W. SHEATHING	MIN. NAIL LENGTH							
6d COMMON	0.113" (11 ga.)	2"	1 3/8"	PLY. THICKNESS							
8d COMMON	0.131" (10 1/4 ga.)	2 1/2"	1 3/8"	——————————————————————————————————————							
10d COMMON	0.148" (9 ga.)	3"	1 3/4"								
12d COMMON	0.148" (9 ga.)	3 1/2"	-								
16d COMMON	0.162" (8 ga.)	3 1/4"	-								
16d G.V. SINKER	0.148" (9 ga.)	3 1/4"	-	MIN. EMBED.							
DETERMINE REQ'D NAIL DIAMETER AND LENGTH											

DETERMINE REQ'D NAIL DIAMETER AND LENGTH													
REQUIRED COMMON NAIL			8d					10d					
PLYWOOD THICKNESS	3/8"	1/2"	5/8"	3/4"	1 1/8"	3/8"	1/2"	5/8"	3/4"	1 1/8"			
MINIMUM EMBEDMENT			1 3/8"										
MIN. NAIL LENGTH REQ'D	2"	2" 2 1/8" 2 1/4" 2 3/8"				2 1/8"	2 1/4"	2 3/8"	2 1/2"	2 7/8"			
MIN. DIAMETER REQ'D	·	0.131"	' (10 1/4"	ga.)			0.148	" (10 1/4"					

**FOOTING AND STEMWALL REQUIREMENTS** • 8" Wide w/ (1) #4 continuous top and #4 at 48" o.c. vertical, hook at footing

(alternate hooks). Locate vertical at all Holdown Anchor Bolts. If top of stemwall exceeds 36" above top of footing, use #4 at 18" o.c. horizontal continuous and #4 at 24" o.c. vertical. All footings shall bear on undisturbed soil. Assumed soil bearing pressure is determined & increased in accordance w/ IBC Table 1806.2.

Exterior footings to be placed 24" below grade minimum, U.N.O.

**HOLDOWN INFORMATION** 

See holdown schedule above and per plan.

**SOILS & FOUNDATIONS:** Dunagan Engineering, Inc. has not made a geotechnical review of the building site and is not responsible for general site stability or soil suitability for the proposed project. A review by a geological engineer or qualified civil engineer may be desirable. Foundation design is based on minimum footing dimensions and bearing capacities set forth in Table 1806.2 of Chapter 18 in the 2018 International Building Code. Assume Class 5 soil with allowable soil bearing pressure of 1500 psf., with a constant expansion index less than 20. Footings shall extend 24" (minimum) below grade.

CONDITION AT HOLDOWNS

See holdown specification table on this sheet for threaded rod size.

SHEET INDEX

S0.2 TYPICAL DETAILS

S0.4 DETAILS

S0.3 TYPICAL DETAILS / DETAILS

STRUCTURAL PLAN

S2.1 UPPER ROOF FRAMING PLAN

S1.1 FOUNDATION PLAN / LOWER FLOOR

S1.2 LOWER FLOOR FRAMING PLAN / UPPER

FLOOR STRUCTURAL PLAN

GENERAL NOTES & TYPICAL DETAILS

⊥── (2) Nuts & washer as shown

REVISIONS

STRUCTURAL ONLY

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Digitally signed by Bria Dunagan DN: C=US, E=brian@deiengineer O=DEI Engineers, CN=Brian Dunagan Reason: I have reviewed this docume

12 W MINEF

Date: 2022.10.13 15:42:55-07'00'

Date Description B

SUBMITTAL SET DRAWN BY CSB CHECKED BY BDD DATE 9-26-22 SCALE AS NOTED JOB NO. B22000 SHEET NO. **GENERAL NOTES &** TYPICAL DETAILS

**S**0.1

SHEET of SHEETS

PLEASE RECYCLE

THESE NOTES APPLY TO ALL SHEETS

It shall be the contractors direct responsibility to comply with typical details and general notes as delineated or defined on the typical detail drawings of these contract documents regardless of

specific flagging or reference to applicable note or detail.

Top of footing elevations noted are minimum. See note 2 for additional requirements. Contractor to verify and coordinate all locations and sizes of openings in slabs, slab depressions, and curbs for all related construction prior to floor layout or construction.

Contractor to verify dimensions with architect prior to construction. 6. Drawings are diagrammatic in nature and are not intended to indicate every opening or penetration in roof or other structure. Contractor shall coordinate and verify location and size layout or construction. Contractor shall then use appropriate typical or referenced details for

method of attachment of all items to be suspended from or in any way attached to any roof prior to final design or fabrication of structural framing members.

any discrepancies.

## SPECIAL INSPECTIONS AND DEFERRED SUBMITTALS:

Special inspection, per the California Building Code chapter 17, Table 1704.A.3 for steel and 1704.4 for concrete shall be required for the following types of work. See project Specifications

All concrete work for strengths greater than 2500 psi, except for slabs on grade, footings and non structural concrete. All reinforcing steel for concrete strengths greater than 2500 psi.

multiple pass welds. All full penetration welds shall be specially inspected in accordance with AWS and the current California Building Code.

Building Code. All masonry work, see notes under 'MASONRY' for requirements. All masonry inspection shall also comply with the National Concrete Masonry Institute.

All ASTM A-325 and/or ASTM A-490 High Strength Bolts.

2. It shall be the contractor's responsibility to coordinate with all trades regarding utilities passing through and under footings. Structural requirements for these conditions are delineated in typ.

Contractor shall then use appropriate detail's or appropriate wall section for each applicable

of all such openings and penetrations with related subcontractors prior to roof or other framing Contractor to verify with appropriate sub-contractors the exact location, weight, and intended

framing or other structural member unless such item(s) are clearly addressed by the structural construction documents. This information shall be transmitted in writing to structural engineer Contractor to verify all existing conditions and dimensions and notify the architect in writing of

for specified requirements:

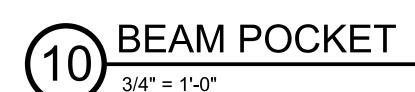
d. All field welding (except metal studs, furring channels, etc.). Shop welding for procedures and

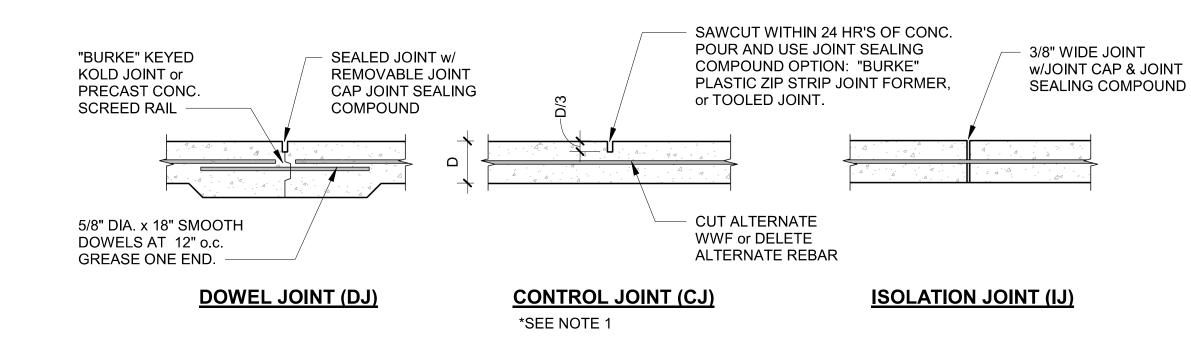
All fillet welds shall be visually inspected in accordance with AWS and the current California

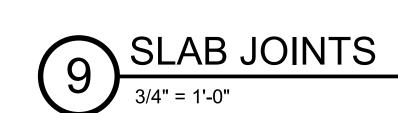
Bolts installed in conc. or masonry. Does not include sill PL, anchor bolts and Holdown anchor

All expansion bolts and adhesive anchors.

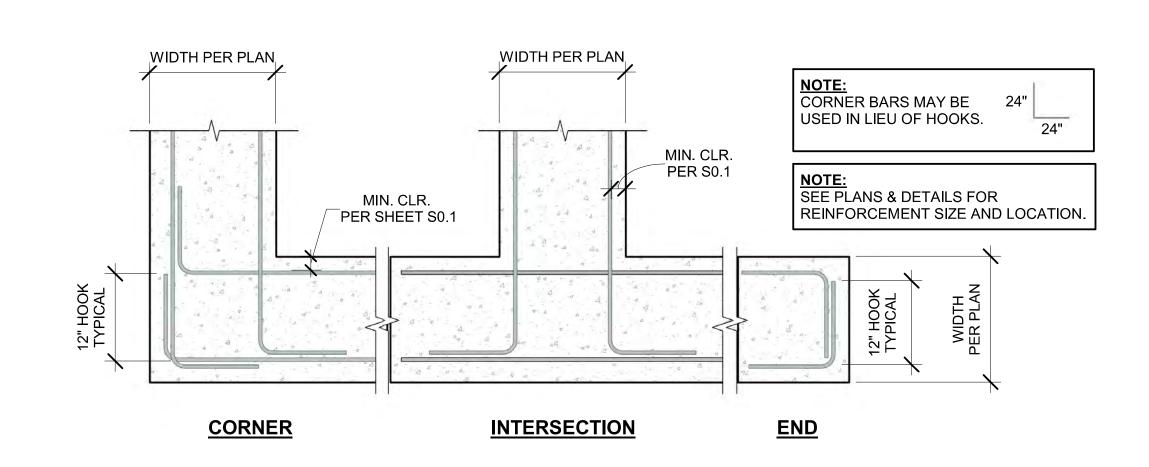
All grouted dowels. All insulating concrete.



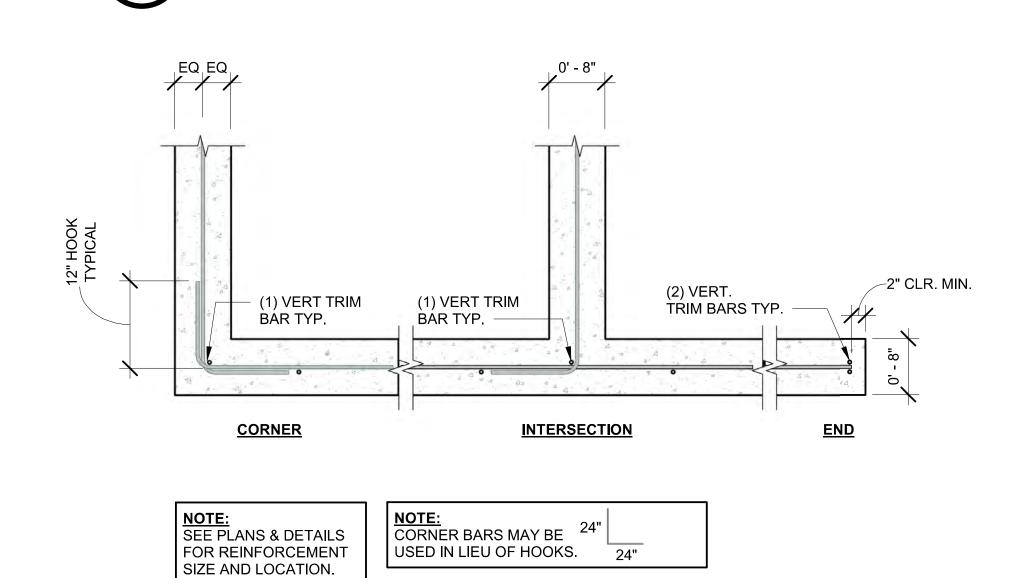




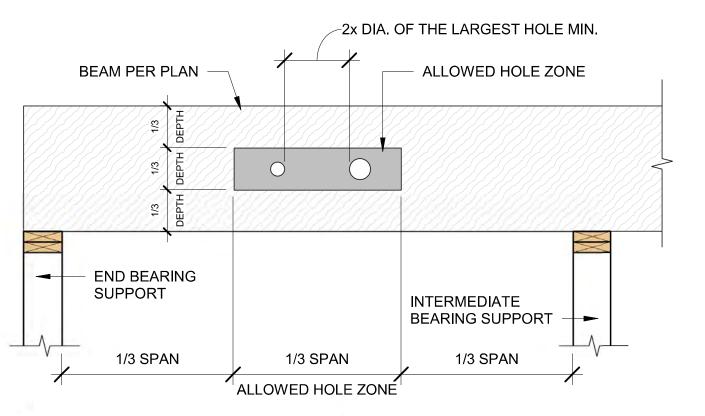
PLACE CONCRETE SLAB ON GRADE IN MONOLITHIC POURS IN LARGEST AREAS FEASABLE. WHERE POURS AND THUS COLD JOINTS OCCUR, USE DOWEL JOINT SEE (DJ) ABOVE



# 8 LAP FOOTING REINFORCING 3/4" = 1'-0"





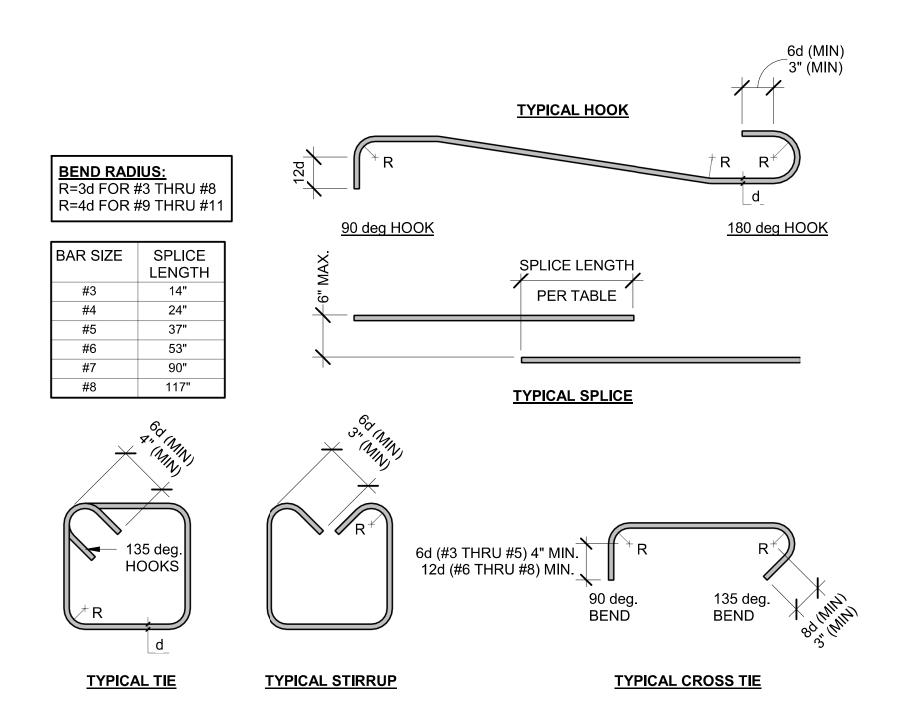


BEAM DEPTH	MAX DIA. HOLE SIZE	
5-1/2"	3/4"Ø	
7-1/4"	1"Ø	
/4" & GREATER	2"Ø	

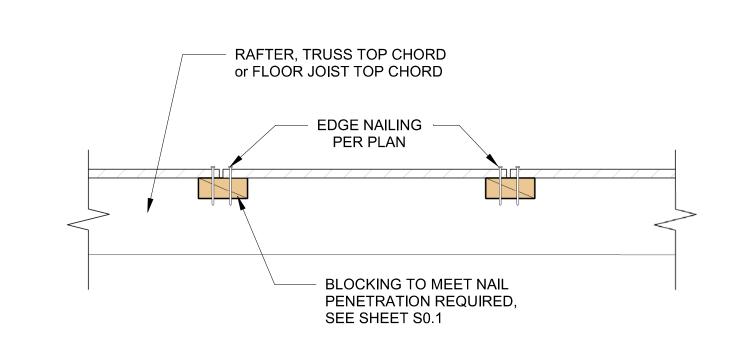
_	
l NC	DTES:
	7120.
1.	DO NOT CUT, NOTCH, OR DRILL BEAM, EXCEPT AS INDICATED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.
2.	SQUARE & RECTANGULAR HOLES ARE NOT PERMITTED.
3.	ROUND HOLES MAY BE DRILLED OR CUT WITH A HOLE SAW ANYWHERE WITHIN THE ALLOWED HOLE ZONE OF THE BEAM.
4.	
	THE SIZE OF THE LARGER HOLE.
5.	DO NOT CUT MORE THAN THREE ACCESS HOLES IN ANY FOUR FOOT LONG SECTION
	OF BEAM
6.	THESE LIMITATIONS APPLY TO HOLES DRILLED FOR PLUMBING OR WIRING ACCESS ONLY.
	THE SIZE AND LOCATION OF HOLES DRILLED FOR FASTENERS ARE GOVERNED BY THE
	PROVISIONS OF THE NDS FOR WOOD CONSTRUCTION.
7.	BEAMS DEFLECT UNDER LOAD. SIZE HOLES TO PROVIDE CLEARANCE WHERE REQUIRED.
8.	THE HOLE CHART IS VALID FOR BEAMS SUPPORTING UNIFORM LOAD ONLY. FOR BEAMS
	SUPPORTING CONCENTRATED LOADS OR FOR BEAMS WITH LARGER HOLES, CONTACT
	ENGINEER OF RECORD.
9.	DO NOT PLACE HOLES BELOW POSTS ABOVE ON BEAMS.



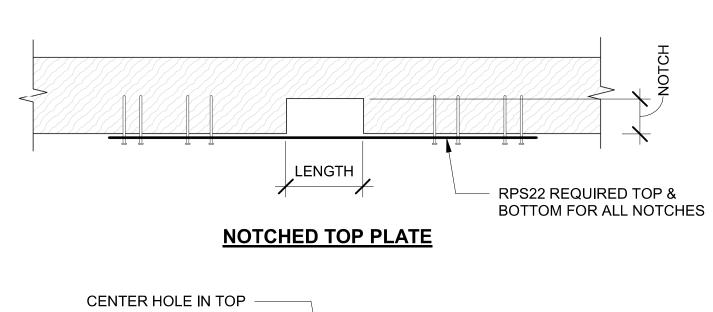
10. HOLES IN CANTILEVERS REQUIRE ADDITIONAL ANALYSIS.

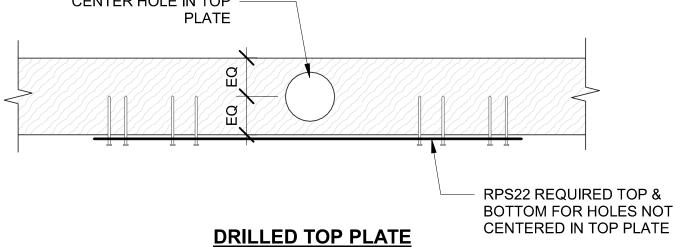






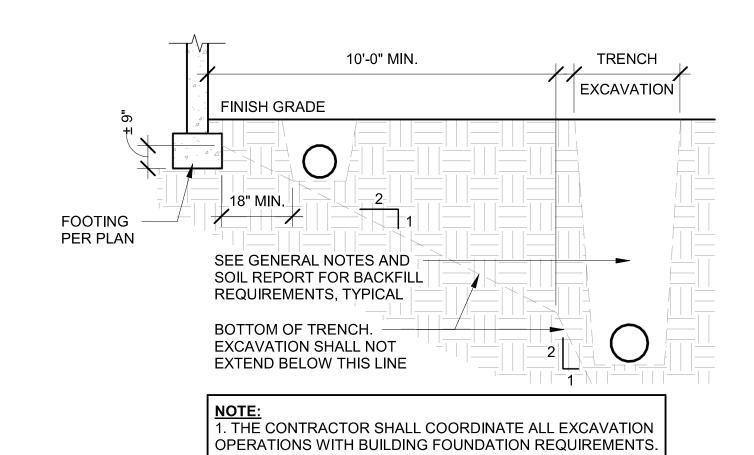




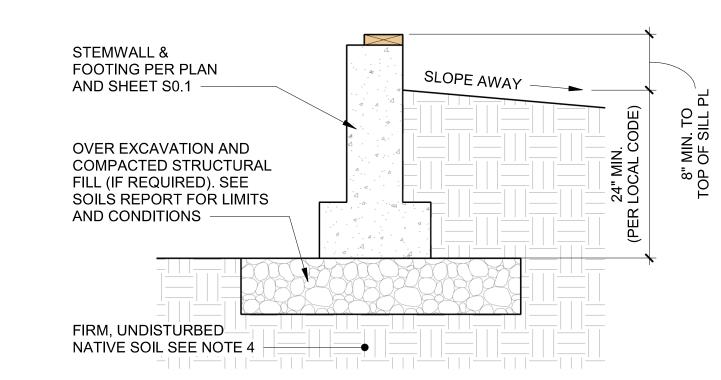


WALL TYPE	MAX. NOTCH	MAX. DRILLED HOLE
WALLIIIL	MIAX: NOTOTI	MAX. DRILLED HOLL
2x4 BEARING	1 1/2" x 5 1/2"	1 1/2" DIA AT CL.
2x4 NON-BEARING	2 1/2" x 5 1/2"	2 1/2" DIA AT CL.
2x6 BEARING	2 1/2" x 5 1/2"	3 1/2" DIA AT CL.
2x6 NON-BEARING	3 1/2" x 5 1/2"	4" DIA AT CL.







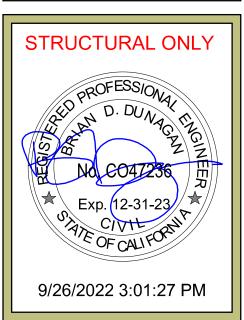


<u>NO</u>	OTES:
1.	REFERENCE FOUNDATION NOTES ON SHEET S0.1 FOR ALL SOILS AND FOUNDATION REQUIREMENTS.
2.	PROVIDE COMPACTED STRUCTURAL FILL BENEATH CONTINUOUS AND SPREAD FOOTINGS IF REQUIRED (SEE SOILS REPORT)
3.	SEE THE PROJECT SOILS REPORT, GRADING PLANS AND SHEET S0.1 FOR ALL SOILS REQUIREMENTS INCLUDING COMPACTION, FILL AND ALL OTHER REQUIREMENTS.
4.	NATIVE SOIL SHOULD BE SCARIFIED A MINIMUM OF 12" AND BROUGHT TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED TO AT LEAST 90% OF RELATIVE COMPACTION.



REVISIONS Date Description



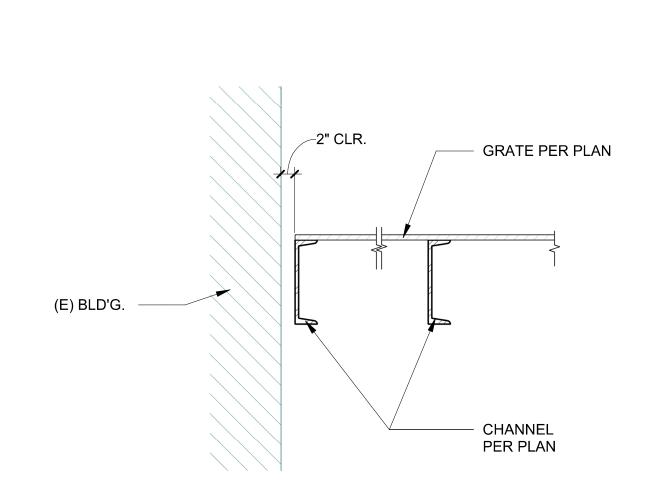


412 W MINER ST. YREKA, CA 96097

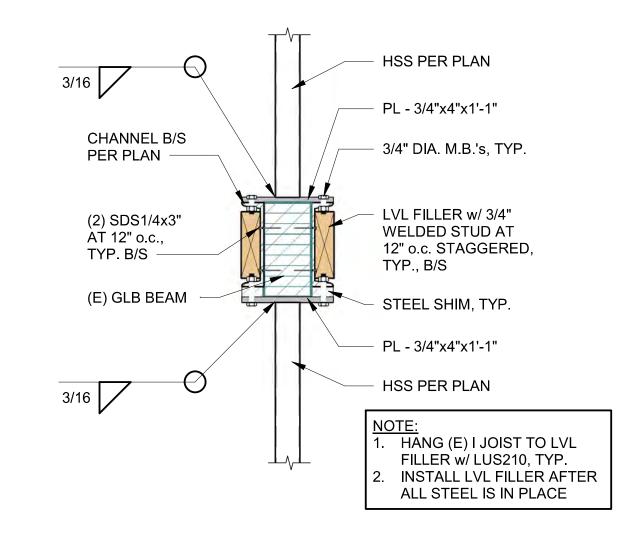
SUBMITTAL SE
DRAWN BY CSB
CHECKED BY BDD
DATE 9-26-22
SCALE AS NOTED
JOB NO. B22000
SHEET NO.
TYPICAL DETAILS

S0.2 SHEET of SHEETS

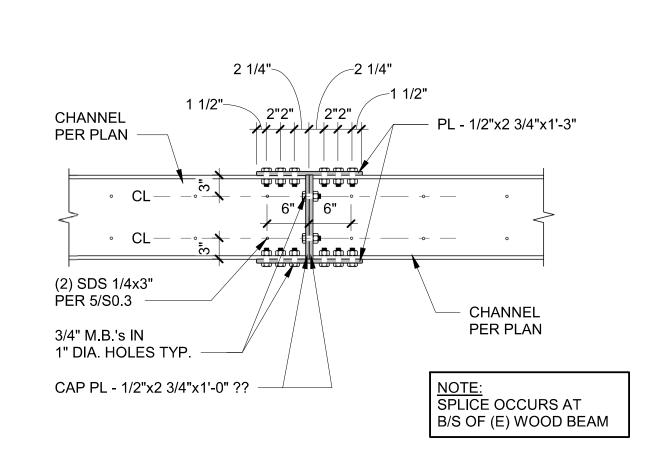
PLEASE RECYCLE





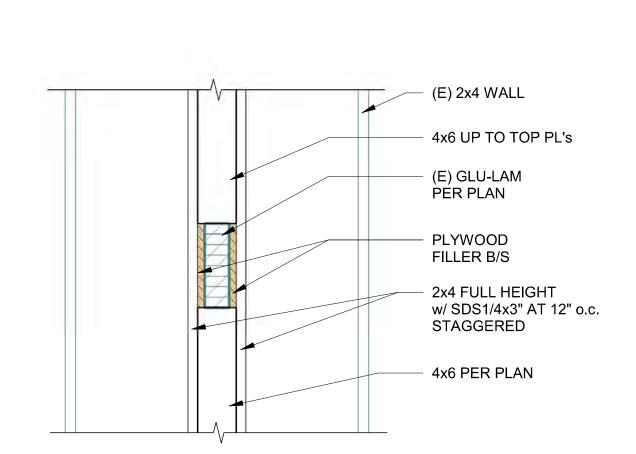


# HSS COL TO (E) BEAM AT FLOOR 3/4" = 1'-0"

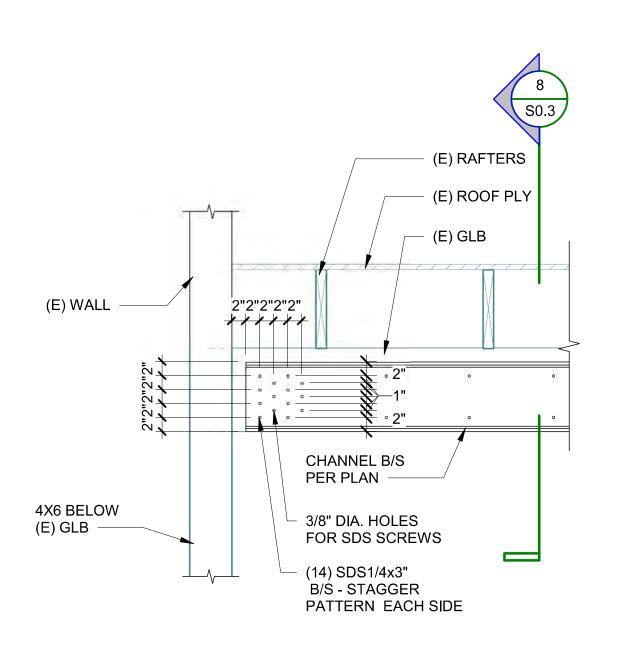


9 BEAM SPLICE

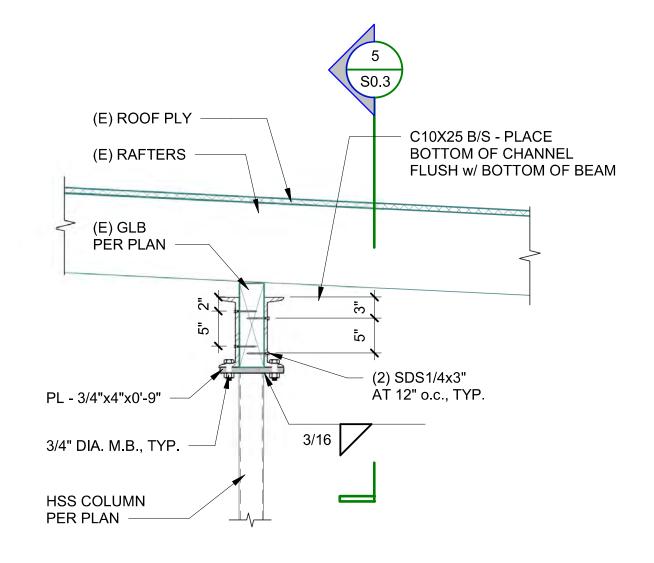
3/4" = 1'-0"



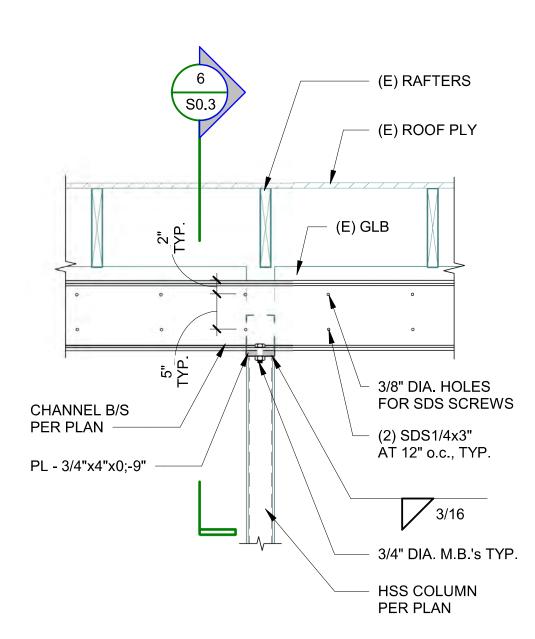




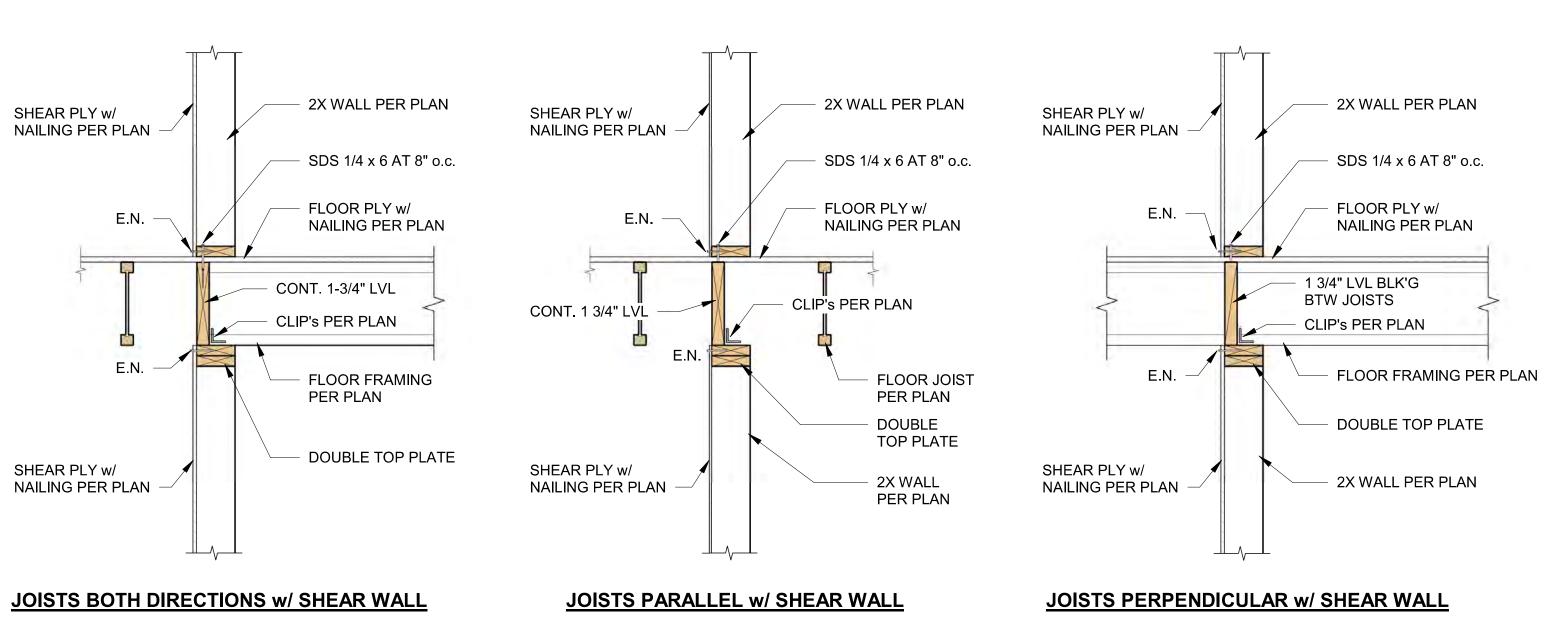




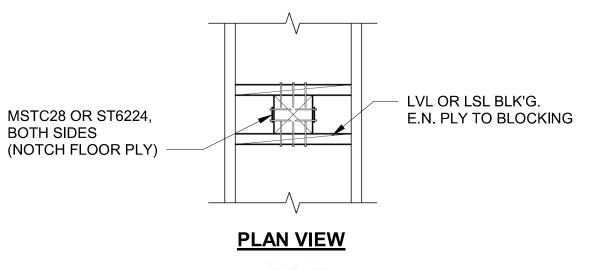


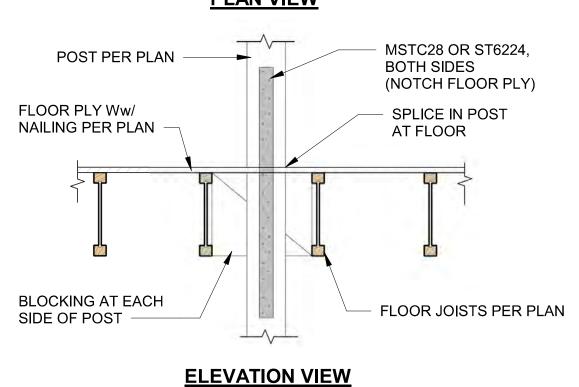






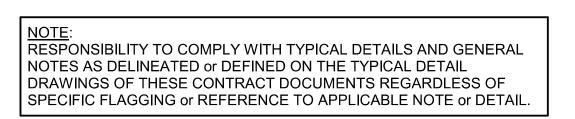


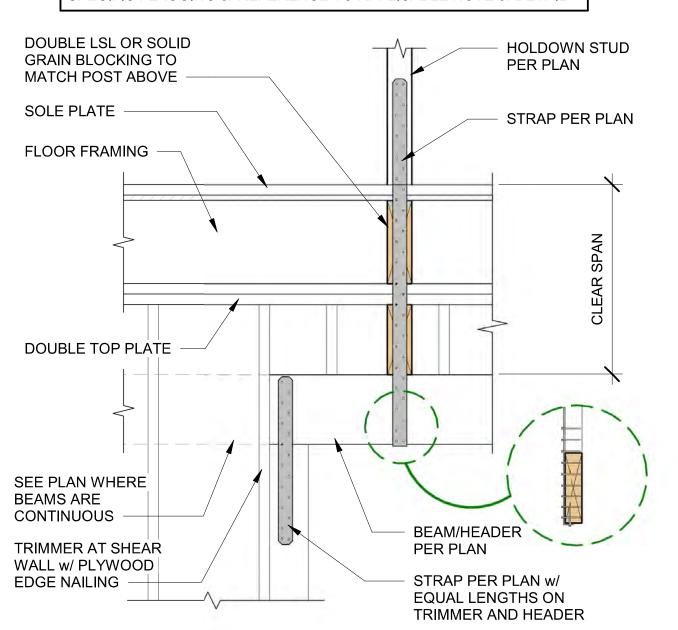




POST SPLICE AT FLOOR

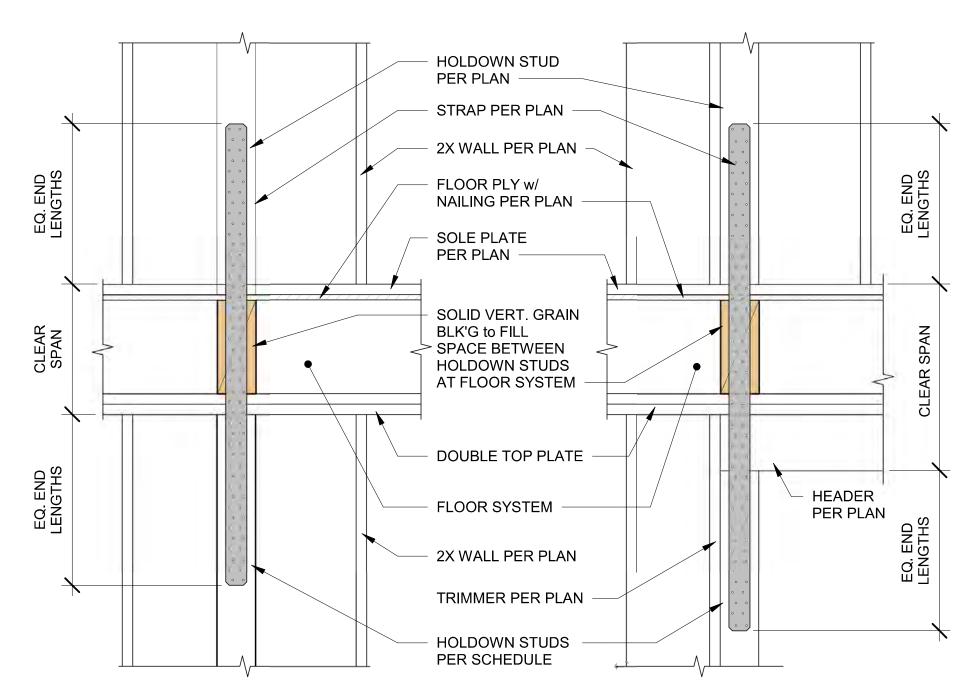
3/4" = 1'-0"





STRAP CONNECTION TO HEADER/ BEAM

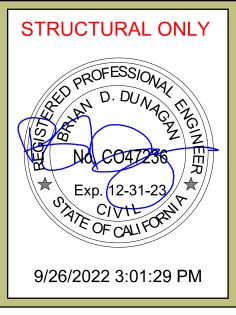
3/4" = 1'-0"





| Dunagan Engineering, Inc. | 4790 Caughlin Parkway #766, Reno, NV 89519 | P. 775.329.2733 | F. 888.873.0790 | W. DElengineers.com

REVISIONS



YREKA CARNEGIE LIBRARN REHABILITATION 412 W MINER ST. YREKA, CA 96097

SUBMITTAL SET

DRAWN BY

CSB
CHECKED BY
BDD

DATE
9-26-22

SCALE
AS NOTED

JOB NO.
B22000

SHEET NO.

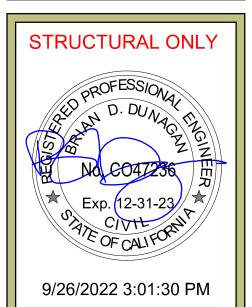
TYPICAL DETAILS / DETAILS

S0.3

SHEET of SHEETS

PLEASE RECYCLE





# 9/26/2022 3:01:30

YREKA CARNEGIE LIBRA REHABILITATION 412 W MINER ST. YREKA, CA 96097

DIRECTLY OPPOSED) THEN PROVIDE STIFFENER

1. Provide A325-N high-strength bolts, TYP., U.N.O.

2. High-strength bolts used in beam to beam connections shall be "snug-tight" per requirements of American Institute of Steel Construction (A.I.S.C.) TYP.,

430-117

PL OPPOSITE SHEAR PL PER CONDITION 'A'

# SUBMITTAL SET

DRAWN BY CSB
CHECKED BY BDD
DATE 9-26-22
SCALE AS NOTED
JOB NO. B22000
SHEET NO.

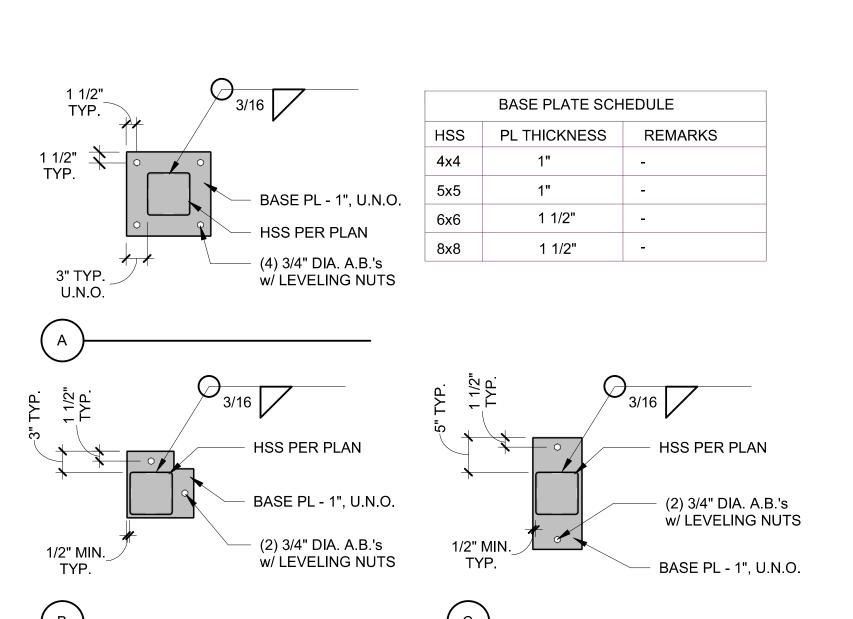
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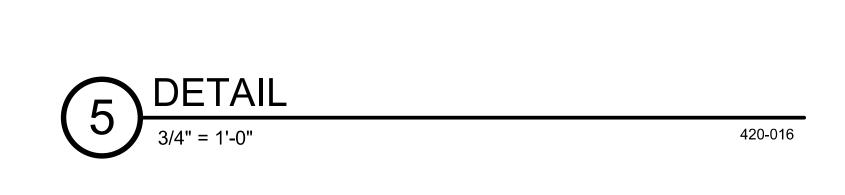
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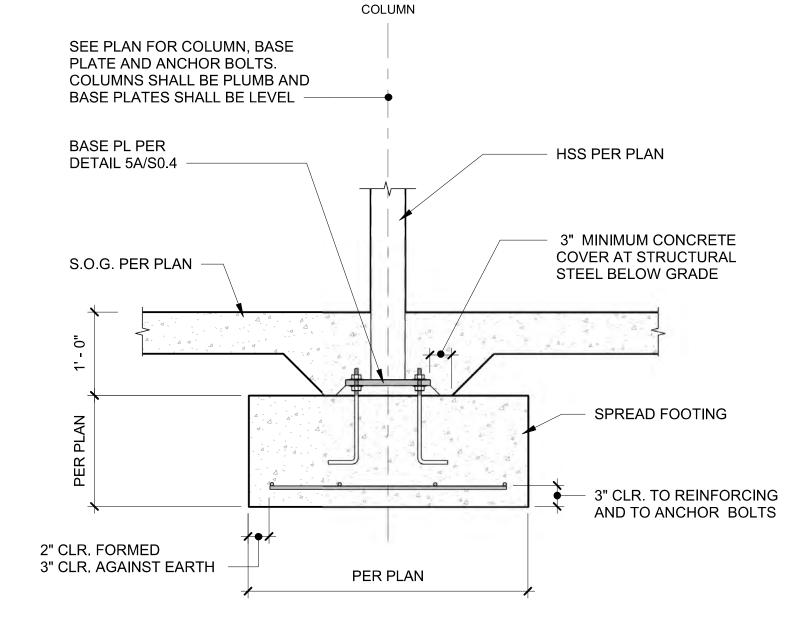
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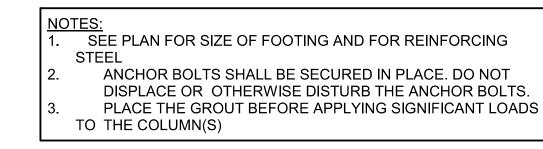
SO.4

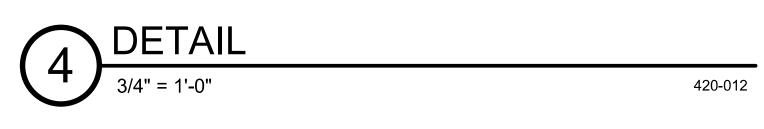
SHEET of SHEETS

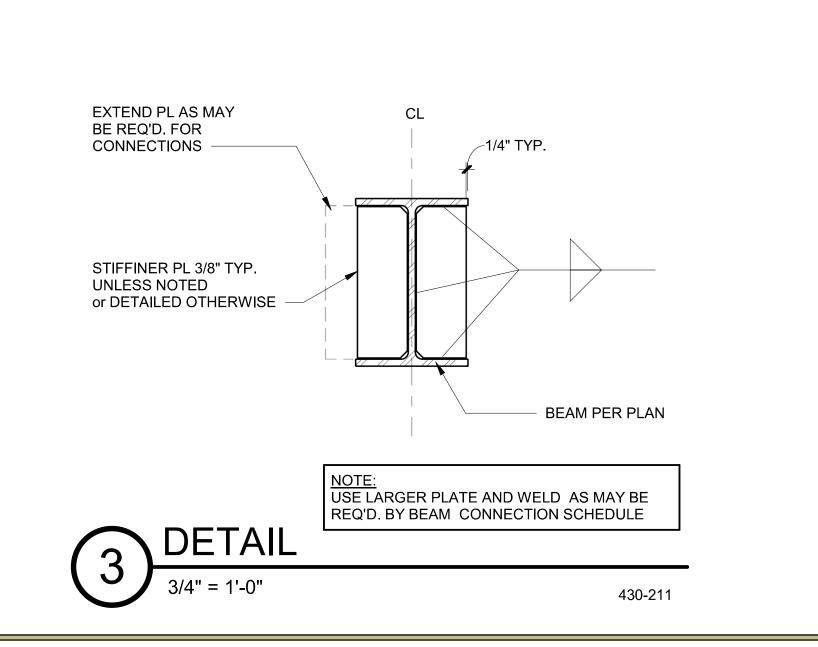


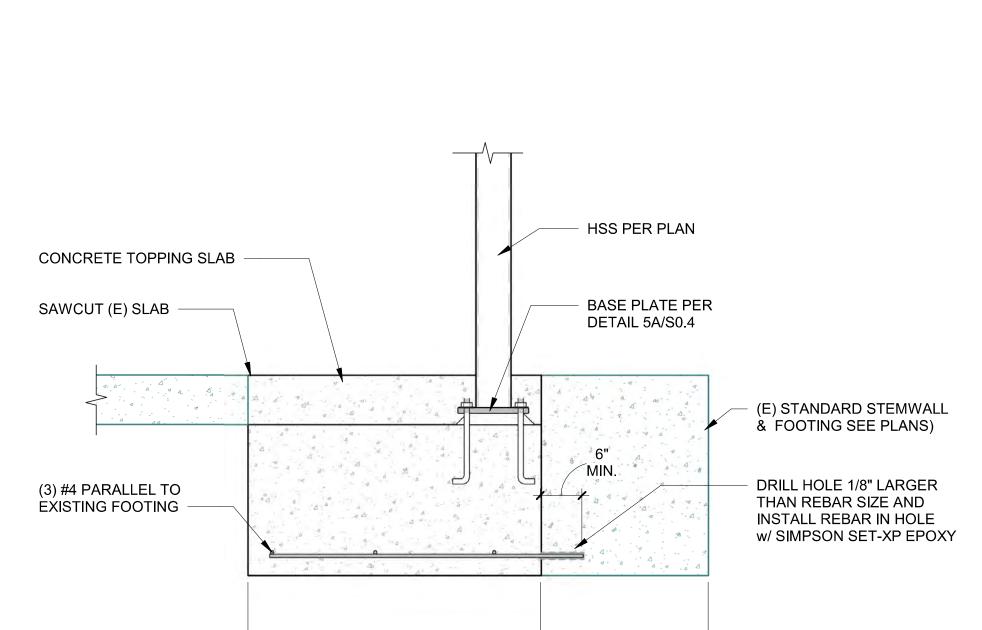




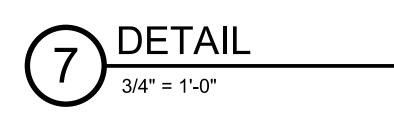


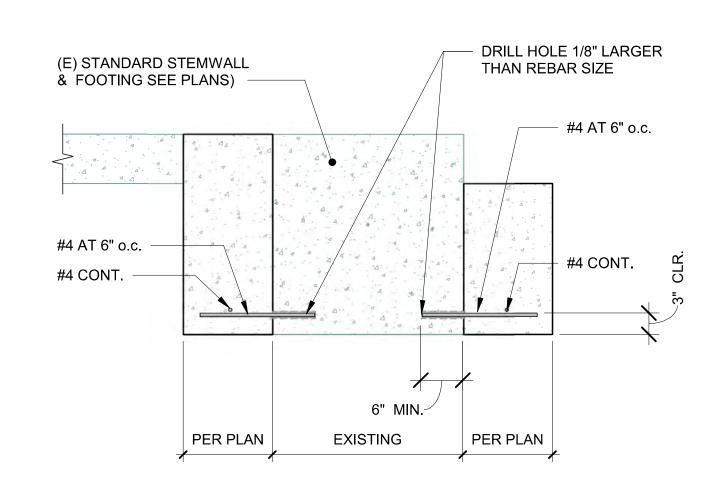




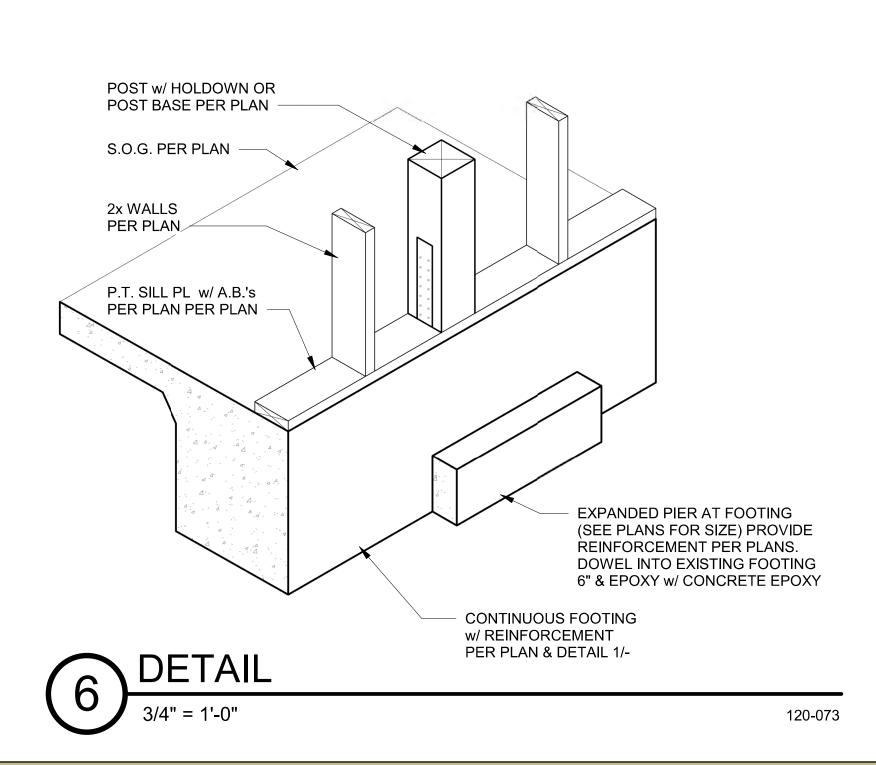


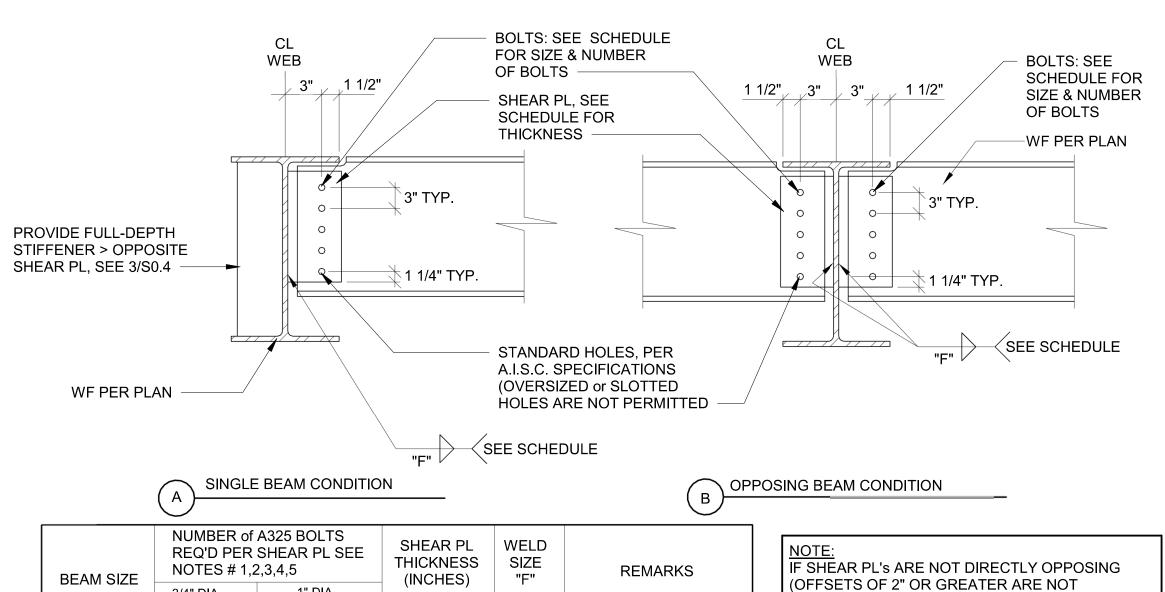
**EXISTING** 



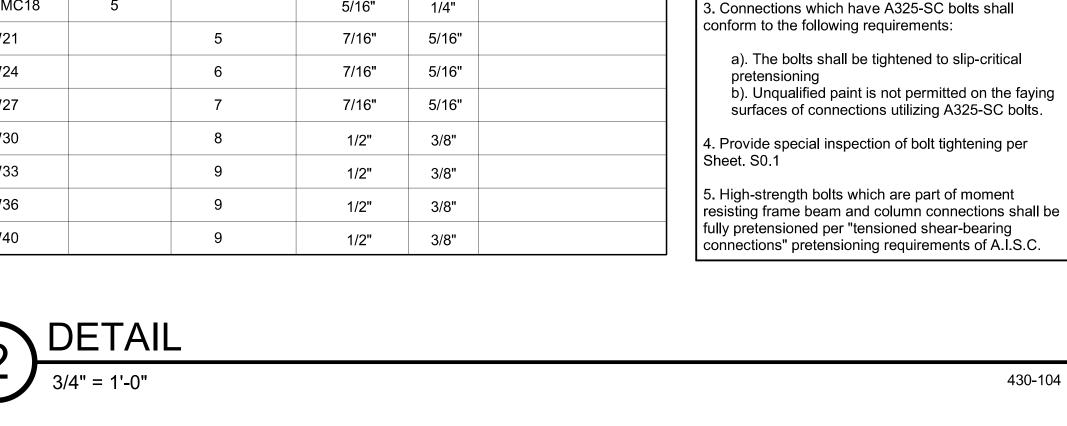


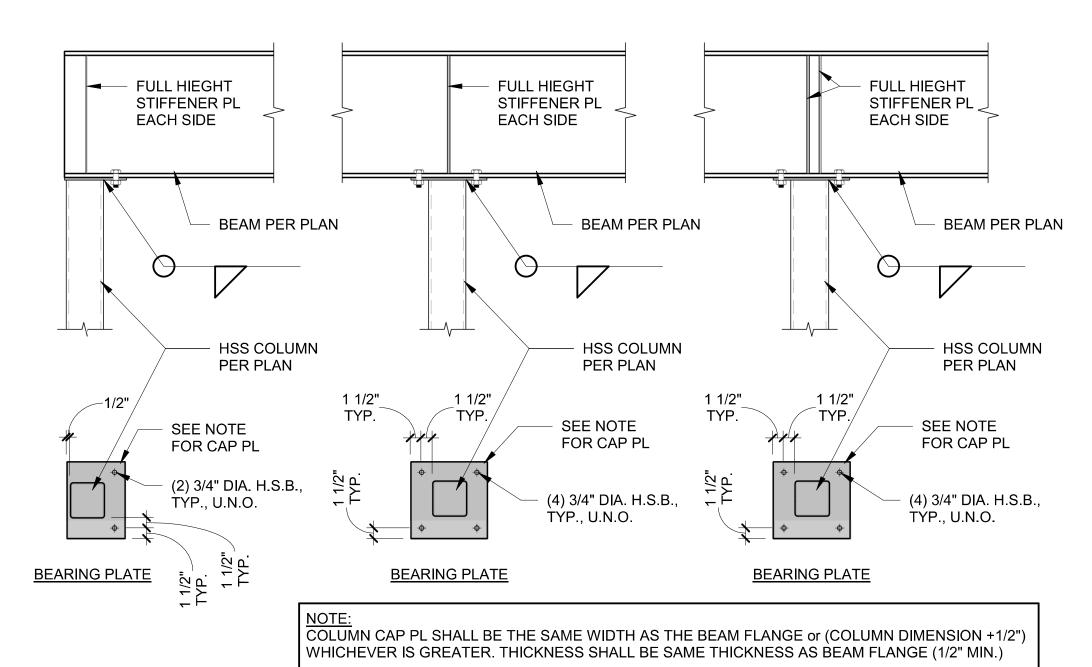
PER PLAN





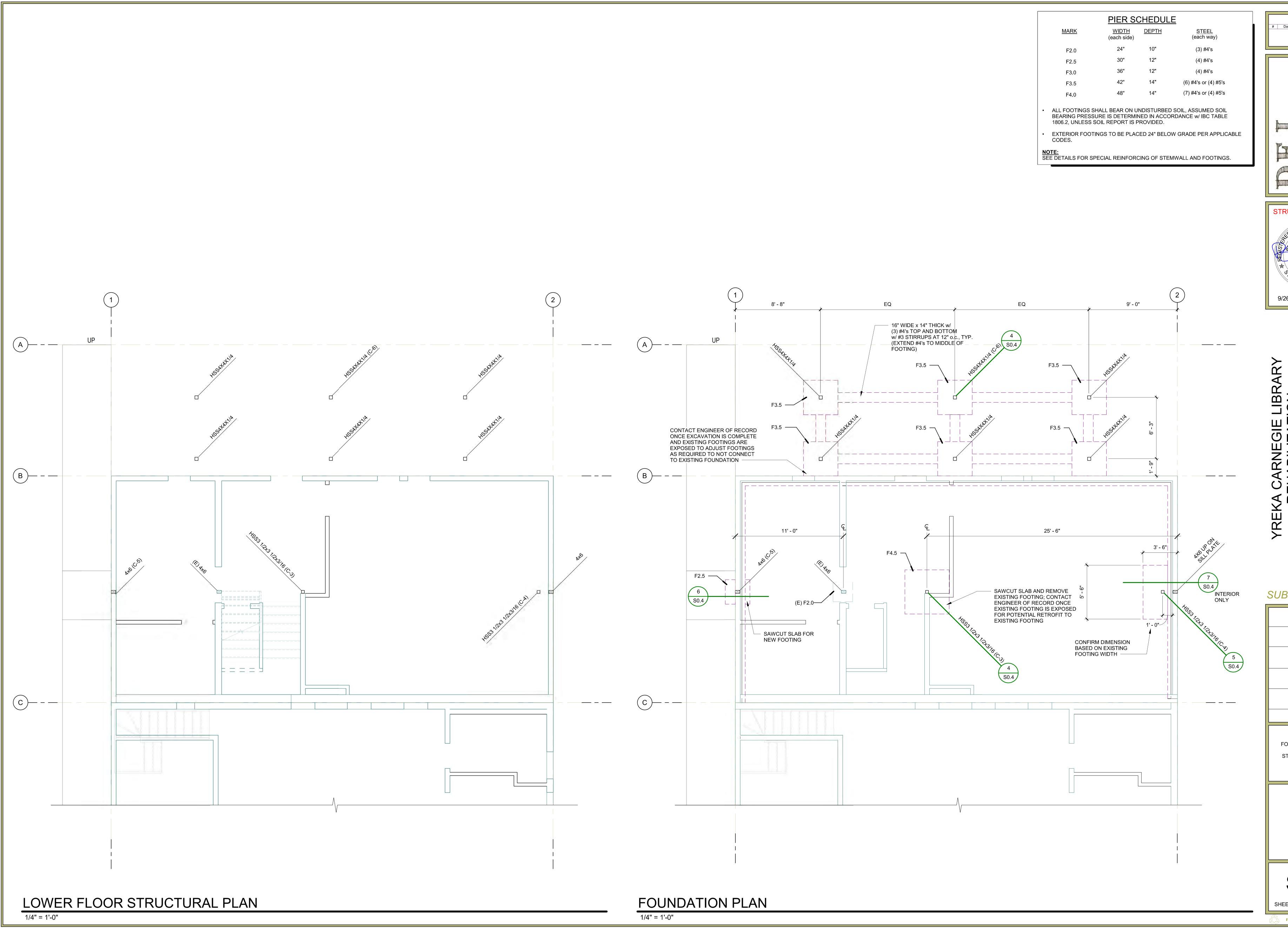
BEAM SIZE		A325 BOLTS SHEAR PL SEE 2,3,4,5	SHEAR PL THICKNESS (INCHES)	WELD SIZE "F"	REMARKS	
BLAW OIZE	3/4" DIA.	1" DIA.	(IIVOTILO)	'		
W6, C6	2		5/16"	1/4"	LOCATE BOLTS IN HORIZONTAL PATTERN	
W8, C8	2		5/16"	1/4"		
W10, C10	2		5/16"	1/4"		
W12, C12	3		5/16"	1/4"		
W14, C15	3		5/16"	1/4"		
W16	4		5/16"	1/4"		
W18, MC18	5		5/16"	1/4"		
W21		5	7/16"	5/16"		
W24		6	7/16"	5/16"		
W27		7	7/16"	5/16"		
W30		8	1/2"	3/8"		
W33		9	1/2"	3/8"		
W36		9	1/2"	3/8"		
W40		9	1/2"	3/8"		





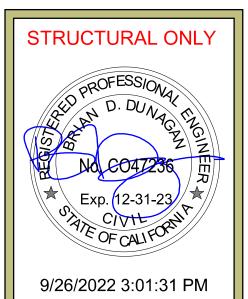
DETAIL

3/4" = 1'-0"



REVISIONS # Date Description By

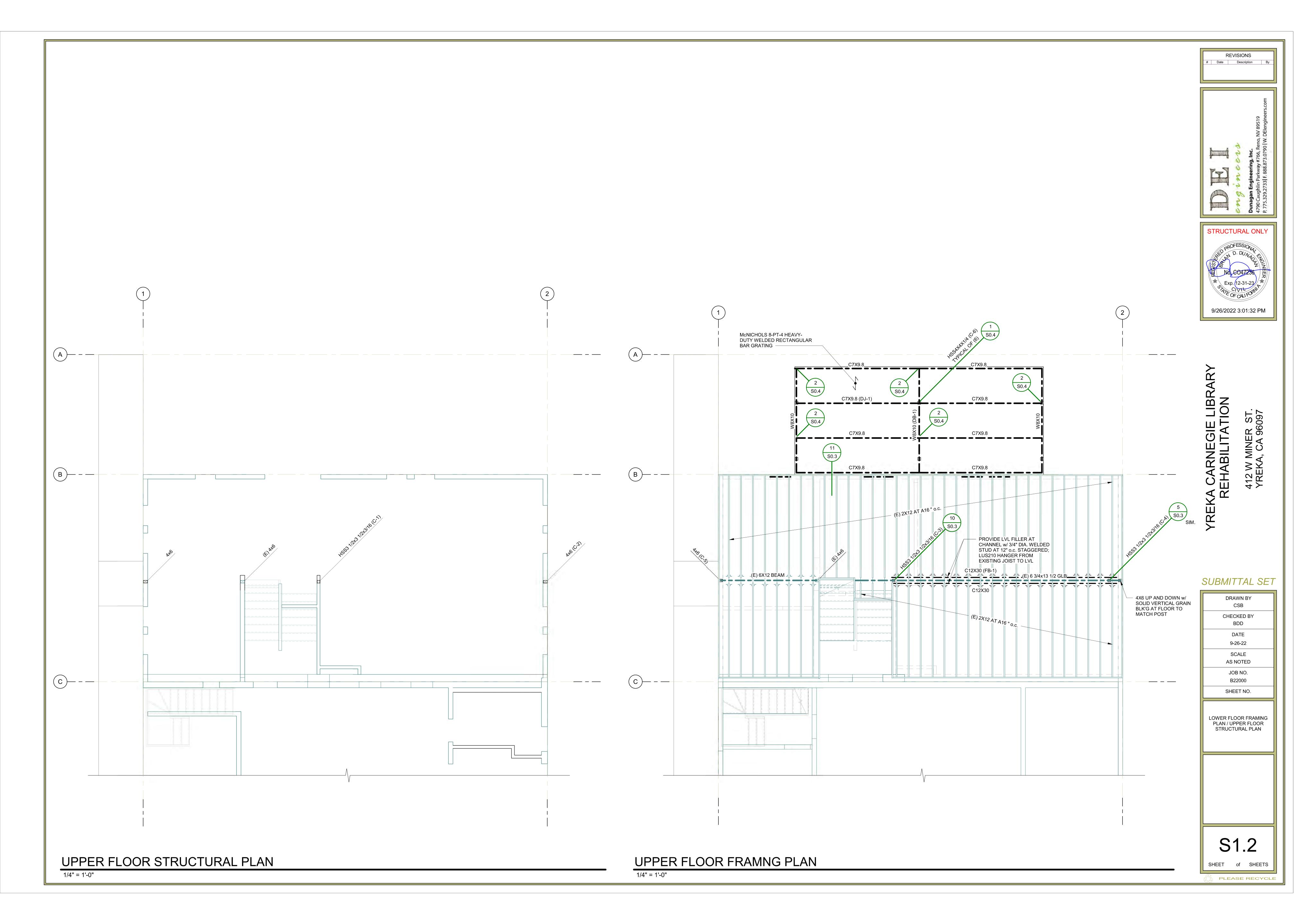


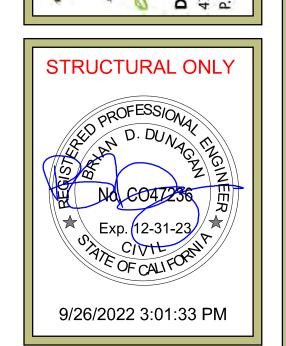


SUBMITTAL SET

DRAWN BY CSB CHECKED BY BDD DATE SCALE AS NOTED JOB NO. B22000 SHEET NO.

FOUNDATION PLAN / LOWER FLOOR STRUCTURAL PLAN





EKA CARNEGIE LIBRAR REHABILITATION 412 W MINER ST.

SUBMITTAL SET

DRAWN BY
CSB

CHECKED BY
BDD

DATE
9-26-22

SCALE
AS NOTED

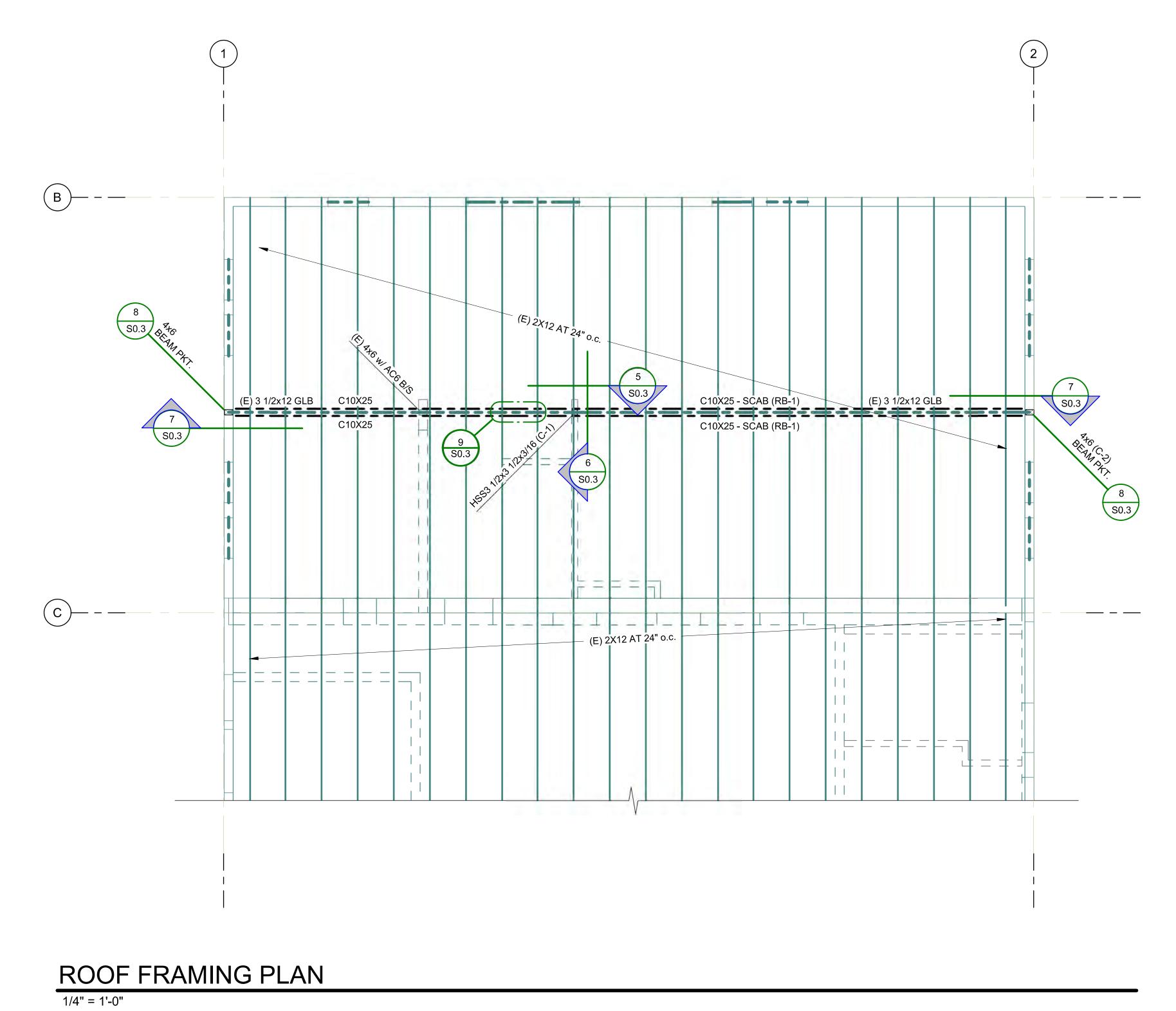
JOB NO.
B22000

SHEET NO.

UPPER ROOF FRAMING PLAN

S2.1

SHEET of SHEETS



# MECHANICAL LEGEND

### **HVAC SYMBOLS ABBREVIATIONS** SYMBOL IDENTIFICATION ABBRV. IDENTIFICATION DIAMETER DUCT; SINGLE-LINE; SIZES AS SHOWN ON PLANS AND ABOVE FINISH FLOOR DUCT; DOUBLE-LINE; SIZES AS SHOWN ON PLANS ANNUAL FUEL UTILIZATION EFFICIENCY BALANCING DAMPER 45 DEGREE DUCT ELBOW; SINGLE-LINE; SIZES AS SHOWN ON **BREAK HORSEPOWER** BRITISH THERMAL UNITS 45 DEGREE DUCT ELBOW; DOUBLE-LINE; SIZES AS SHOWN ON CUBIC FEET PER MINUTE CONTINUED 90 DEGREE DUCT ELBOW; SINGLE-LINE; SIZES AS SHOWN ON COEFFICIENT OF PERFORMANCE A-WEIGHTED DECIBELS 90 DEGREE DUCT ELBOW; DOUBLE-LINE; SIZES AS SHOWN ON DOWN DN DSD DUCT SMOKE DETECTOR 90 DEGREE DUCT ELBOW WITH TURNING VANES; SIZES AS SHOWN ON PLANS DRAWINGS **EXISTING TO REMAIN** DUCT TRANSITION; SINGLE-LINE EXHAUST AIR **ENERGY EFFICIENCY RATIO** DUCT TRANSITION; DOUBLE-LINE **EXHAUST FAN** EFF **EFFICIENCY** DUCT TRANSITION SQUARE TO ROUND; DOUBLE-LINE EXTERNAL STATIC PRESSURE F/D FIRE DAMPER HORIZONTAL MOUNTED SUPPLY AIR DIFFUSER OR SUPPLY AIR DUCT IN CROSS-SECTION ROUTED UP FIRE/SMOKE DAMPER FULL-LOAD AMPERES HORIZONTAL MOUNTED RETURN OR TRANSFER AIR GRILLE, OR RETURN AIR DUCT IN CROSS-SECTION ROUTED UP FLR FLOOR HORIZONTAL MOUNTED EXHAUST AIR GRILLE OR EXHAUST AIR DUCT IN CROSS-SECTION ROUTED UP GAS GPD GALLONS PER DAY SUPPLY AIR DUCT IN CROSS-SECTION ROUTED DOWN GALLONS PER MINUTE GAS PRESSURE REGULATOR RETURN AIR DUCT IN CROSS-SECTION ROUTED DOWN HORSEPOWER OR HEAT PUMP HEATING SEASONAL PERFORMANCE FACTOR EXHAUST AIR DUCT IN CROSS-SECTION ROUTED DOWN INTERNATIONAL MECHANICAL CODE INCHES SUPPLY AIR TO/FROM DEVICE **KILOWATTS** POUNDS RETURN/EXHAUST AIR TO/FROM DEVICE MAXIMUM 1000 BTU PER HOUR BALANCING DAMPER MCA MINIMUM CURRENT AMPACITY MECHANICAL MOTORIZED DAMPER MAXIMUM OVERCURRENT PROTECTION ── FIRE DAMPER NOISE CRITERIA → FIRE/SMOKE DAMPER NOT TO SCALE ON CENTER **THERMOSTAT** OREGON MECHANICAL SPECIALTY CODE OUTSIDE AIR TEMPERATURE SENSOR PRESSURE DROP POINT OF CONNECTION **DESIGNATION SYMBOLS** POUNDS PER SQUARE INCH QUANTITY SYMBOL IDENTIFICATION RELOCATE EXISTING REFRIGERATION LINE GRID LINE DESIGNATOR REQUIRED REQUIREMENTS SHEET KEYNOTE TAG REVOLUTIONS PER MINUTE SUPPLY AIR CONTRACTOR EQUIPMENT TAG SENSIBLE (COOLING) CAPACITY SEASONAL ENERGY EFFICIENCY RATIO REVISION DELTA WITH REVISION NUMBER SUPPLY FAN OR SQUARE FEET SHUT-OFF VALVE POINT OF CONNECTION TOTAL (COOLING) CAPACITY WATER COLUMN REMOVE EXISTING **LEGEND NOTES:** A. ALL SYMBOLS MAY NOT BE USED IN THIS PROJECT.

B. SYMBOLS DO NOT ALWAYS REPRESENT REAL LIFE DIMENSIONS.

C. SEE BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION.

# **GENERAL MECHANICAL NOTES:**

- THIS PROJECT IS A REMODEL OF A HISTORIC BUILDING. THE PLANS AND SPECIFICATIONS INDICATE THE GENERAL EXTENT OF THE WORK BASED ON OWNER PROVIDED INFORMATION AND LIMITED FIELD VERIFICATION. CONTRACTOR SHALL VISIT SITE, VERIFY EXISTING CONDITIONS, AND REPORT ANY DISCREPANCIES NOTED TO THE ARCHITECT PRIOR TO SUBMITTING A BID. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCONNECTION AND RECONNECTION OF MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS NECESSARY TO ACCOMPLISH THE WORK WHETHER OR NOT SPECIFIED AND/OR INDICATED.
- BUILDING IS COVERED UNDER 2019 CHBC SECTION 8-901.5 ENERGY CONSERVATION: QUALIFIED HISTORICAL BUILDINGS OR PROPERTIES COVERED BY THIS PART ARE EXEMPTED FROM COMPLIANCE WITH ENERGY CONSERVATION STANDARDS.
- TEMPORARILY CAP ANY (E) SERVICES THAT WILL REMAIN UNTIL
- CONNECTION TO NEW CAN BE MADE. CONTRACTOR SHALL NOTIFY GENERAL CONTRACTOR TO REPAIR WALL, FLOOR, AND CEILING SURFACES AS REQURED DUE TO DEMOLITION OR
- INSTALLTION WORK. REMOVE ALL ABANDONED PIPING, WIRING, EQUIPMENT AND FIXTURES. ALL CONTROL WIRING SHALL BE IN CONDUIT. PROVIDE AND INSTALL
- RIGID CONDUIT IN AREAS EXPOSED TO THE ELEMENTS. SUPPORT DUCTS AND PIPES TIGHT BELOW STRUCTURE WHEREVER
- COORDINATE WITH OTHER ON SPACE REQUIRED AND TIME SCHEDULE
- FOR DELIVERY OF ALL ITEMS. FOR ROOF PENETRATIONS WITHOUT CURBS, PROVIDE WEATHERPROOF FLASHING PER SMACNA ARCHITECTUREAL SHEET METAL MANUAL AND
- DRAWINGS NOTES. ALL PIPING IS CONCEALED UNLESS OTHERWISE NOTED. ALL PIPING, FIXTURES, EQUIPMENT, ETC SHOWN IS NEW UNLESS
- OTHERWISE NOTED. PROVIDE OPERATING AND MAINTENANCE MANUAL TO OWNER UPON
- SYSTEM COMMISSIONING. WHERE BRANCH CONN ECTION SIZES IS NOT SHWON, REFER TO FIXTURE
- CONNECTION SCHEDULE ABOVE.
- WATER HAMMER ARRESTORS SHALL BE PLACED AT ALL QUICK ACTING VALVES 2019 CALIFORNIA PLUMBING CODE
- ALL FLOOR DRAINS / SINKS AND SIMILAR FIXTURES SHALL BE PROVIDED WITH TRAP PRIMERS

MECHANICAL SHEET KEY DESCRIPTION SHEET NUMBER M00.10 MECHANICAL - LEGEND & NOTES M00.20 MECHANICAL - SCHEDULES M03.01 MECHANICAL - BASEMENT, LOWER AND UPPER LEVEL FLOOR M03.02 MECHANICAL - BASEMENT, LOWER AND UPPER LEVEL PIPING M04.01 MECHANICAL - REFRIGERATION PIPING DIAGRAMS M08.01 MECHANICAL - DETAILS







SPLIT SYSTEM HEAT PUMPS															
MARK	SERVING	COOL MBH	HEAT	TONS	CFM	ESP	w	V/PH	ı	NIT	WT	SEER	MAKE & MODEL	NOTES	
		TC	MBH						IVICA	CA/MOCP LBS					
<u>FC-1</u>	OPEN WORKSPACE 83	15	17	1.25	392		65	230/1	.33	15	42	SAMSU	JNG AM015AN1PCH/AA 1-WAY CASSETTE	1,2,4,5,7,9	
<u>FC-2</u>	OPEN WORKSPACE 83	15	17	1.25	392		65	230/1	.33	15	42	SAMSU	JNG AM015AN1PCH/AA 1-WAY CASSETTE	1,2,4,5,7,9	
<u>FC-4</u>	CONFERENCE 100	12	13.5	1	364		27	230/1	0.31	15	21	SAMSU	JNG AM012TNVDCH/AA WALL MOUNTED UNIT	1,2,5,8,9	
<u>FC-5</u>	CONFERENCE 100	12	13.5	1	364		27	230/1	0.31	15	21	SAMSU	JNG AM012TNVDCH/AA WALL MOUNTED UNIT	1,2,5,8,9	
FC-6	LOBBY 101	5	5.8	.5	173		27	230/1	0.16	15	20	SAMSU	JNG AM005TNVDCH/AA WALL MOUNTED UNIT	1,2,5,8,9	
<u>FC-7</u>	KITCHEN LOUNGE 102	5	5.8	.5	173		27	230/1	0.16	15	20	SAMSU	JNG AM005TNVDCH/AA WALL MOUNTED UNIT	1,2,5,8,9	
<u>FC-3</u>	HISTORIC BUILDING	72	80	6	2110	0.4	950	230/1	7.2	15	239	SAMSU	JNG AM072TNZDCH/AA MULTIPOTITION AHU	1,2,6,8,9	
<u>HP-1</u>		60	60	5			139X2	230/1	32	50	276	17.1 SAMSU	JNG AM060NXMDCR/AA	1,3,9	
<u>HP-3</u>		60	60	5			139X2	230/1	32	50	276	17.1 SAMSU	JNG AM060MXMDCH/AA	1,3,9	

NOTES

LOUVERS											
MARK	SERVING	ТҮРЕ	CFM	MAKE & MODEL	NOTES						
LV-1	KITCHEN	OUT	100	0.04	GREENHECK ESD-635, 18X12	1					
<u>LV-2</u>	VARIOUS	IN	1000	0.04	GREENHECK ESD-635	1, 2					
NOTES:  1. PROVIDE INSECT SCREEN.											

2. SIZE TO FIT WITHIN CRAWLSPACE WINDOW SPACE

			AIR DISTRIBUTION
MARK	ТҮРЕ	MAKE & MODEL	REMARKS
RG-1	RETURN	HART COOLEY 265	HEAVY DUTY STEEL FLOOR GRILL, SIZE AS INDICATED
<u>EG-1</u>	EXHAUST	TITUS 350RL	LOUVERED FACE EXHAUST, WITH OBD, MATCH FRAME TO CEILING TYPE, SIZE AS INDICATED
EG-2	EXHAUST	TITUS 8F	PERFORATED FACE EXHAUST, WITH OBD, MATCH FRAME TO CEILING TYPE, SIZE AS INDICATED
<u>SD-1</u>	SUPPLY	TITUS PAS	24X24 PERFORATED FACE DIFFUSER, MATCH FRAME TO CEILING TYPE, NECK SIZE AS INDICATED
SD-2	SUPPLY	TITUS 300RL	DOUBLE DEFLECTION LOUVERED FACE SUPPLY WITH OBD, SIZE AS INDICATED
SD-3	SUPPLY	HART COOLEY 210	HEAVY DUTY STEEL FLOOR GRILL, SIZE AS INDICATED

1. MAY PROVIDE EQUIVALENT EQUIPMENT FROM NAILOR, PRICE, SHOEMAKER, TITUS.

						FANS				
NAADK	CEDVING	CENA	ESP	TIP SPEED	MOTOR		FAN	WT	MAKE & MODEL	NOTES
MARK	SERVING	CFM	ESP	/ SONES	V/PH	WATTS/HP	RPM	LBS	MAKE & MODEL	NOTES
<u>EF-1</u>	RESTROOM 203/204	150	.4	3669	115/1	1/15	1725	31	GREENHECK SQ-70-VG	2,3,
<u>EF-2</u>	RESTROOM 203/204	100	.4	3515	115/1	1/15	1725	31	GREENHECK SQ-70-VG	2,3
<u>EF-3</u>	KITCHEN	100	.4	2	115/1	91W	950	11	GREENHECK CSP-B110	2,3
<u>SF-1</u>	VARIOUS	1000	.9	5052	115/1	1/4	1725	87	GREENHECK SQ-100-VG	1,2,3

## 1. PROVIDE WITH MERV 8 PRE FILTER AND MERV 13 FILTER BOX

2. OPERATE BY TIMECLOCK DURRING OCCUPIED HOURS, 7AM TO 6PM (ADJUSTABLE) 3. PROVIDE LOCAL DISCONNECT SWITCH

WWW.ORWARCHITECTURE.COM 29 S GRAPE STREET MEDFORD OR 97501 P 5 4 1 , 7 7 9 , 5 2 3 7

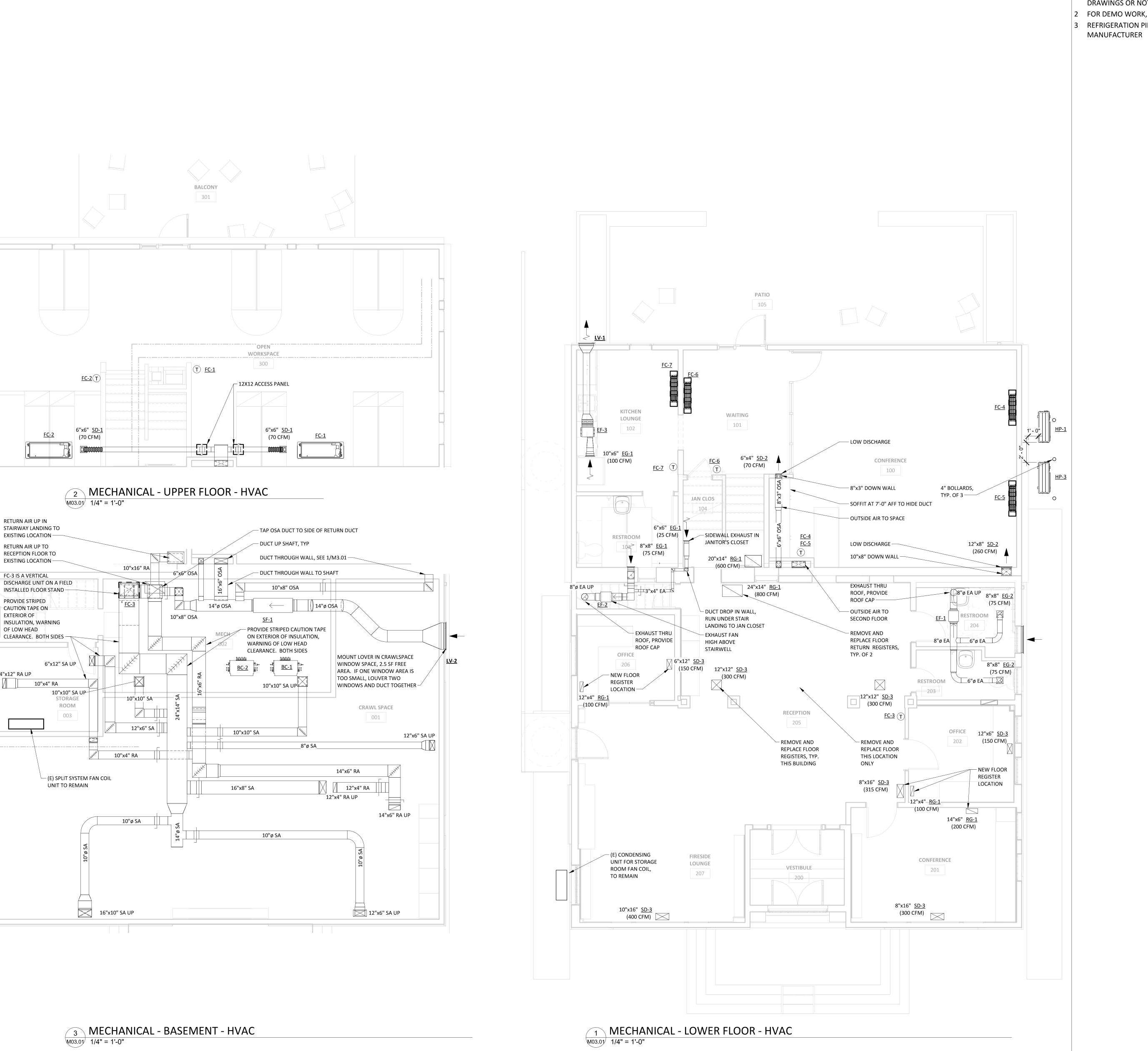






PROJ	ECT: 2	2022	0412
DATE	:: 1C	/12/	2022
No.	Description	D	ate
		1	





RETURN AIR UP IN STAIRWAY LANDING TO

EXISTING LOCATION —

RECEPTION FLOOR TO

EXISTING LOCATION —

RETURN AIR UP TO

FC-3 IS A VERTICAL

PROVIDE STRIPED

CAUTION TAPE ON

EXTERIOR OF

OF LOW HEAD

4"x12" RA UP

10"x4" RA

**SHEET NOTES:** 

- EACH BRANCH OFF MAIN DUCT SHALL HAVE A BALANACING DAMPER INSTALLED BETWEEN THE TAP AND THE GRILL/REGISTER WHETHER SHOWN ON THE DRAWINGS OR NOT
- FOR DEMO WORK, SEE ARCHITECTURAL DRAWINGS
- REFRIGERATION PIPING SIZING AND CONNECTIONS BY

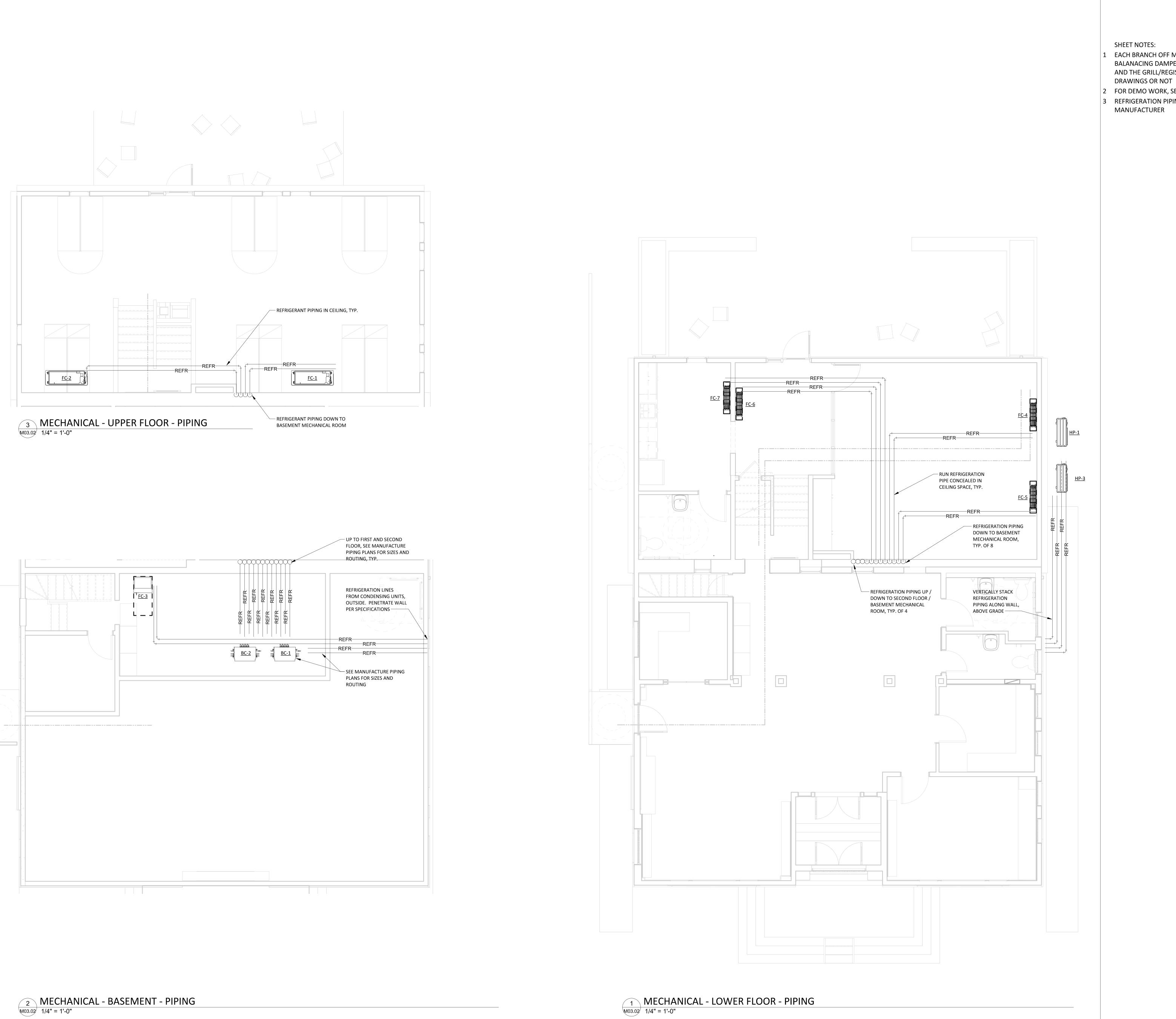
ARCHITECTURE WWW.ORWARCHITECTURE.COM 29 S GRAPE STREET MEDFORD OR 97501 P 5 4 1 . 7 7 9 . 5 2 3 7



COLEB ENGINEERING AXIOM ENGINEERS BEND | CORVALLIS MONTEREY | NAPA | SANTA CRUZ

BASEMENT, LOWER FLOOR PLANS

20220412 10/12/2022 No. Description Date



- EACH BRANCH OFF MAIN DUCT SHALL HAVE A BALANACING DAMPER INSTALLED BETWEEN THE TAP AND THE GRILL/REGISTER WHETHER SHOWN ON THE
- FOR DEMO WORK, SEE ARCHITECTURAL DRAWINGS
- 3 REFRIGERATION PIPING SIZING AND CONNECTIONS BY



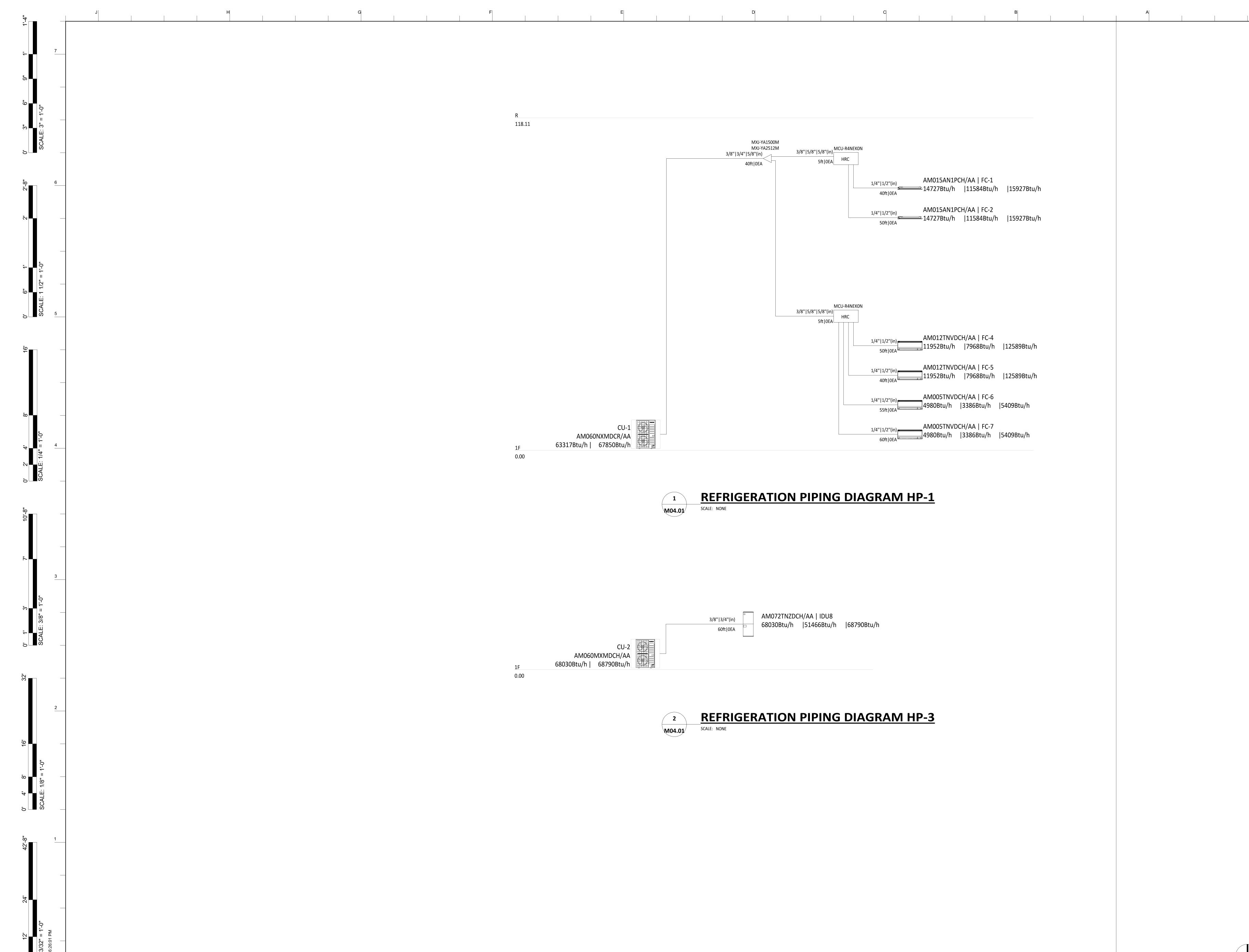




MONTEREY | NAPA | SANTA CRUZ

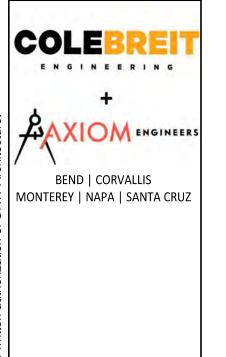
BASEMENT, LOWER PIPING PLANS

20220412 10/12/2022

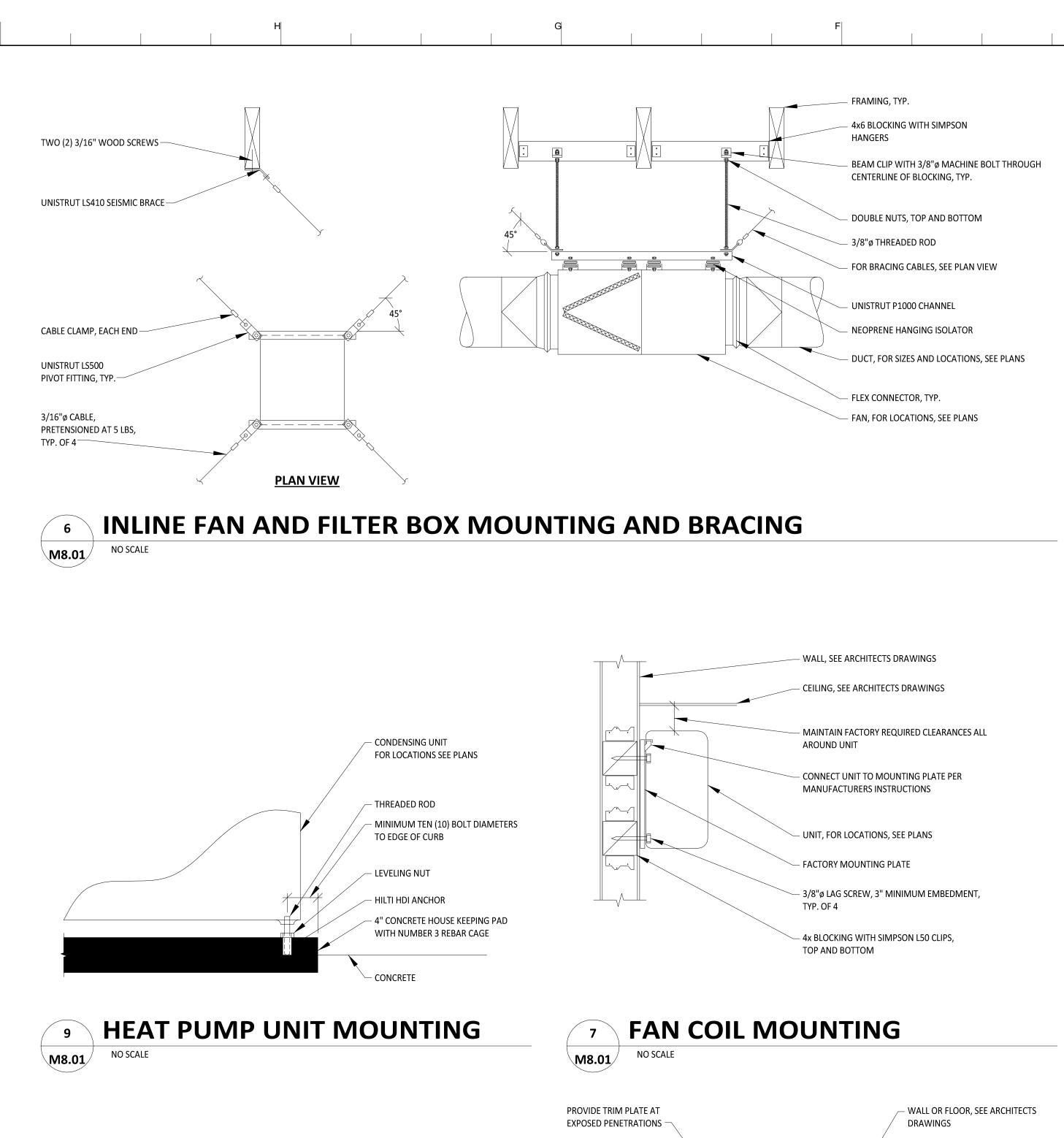


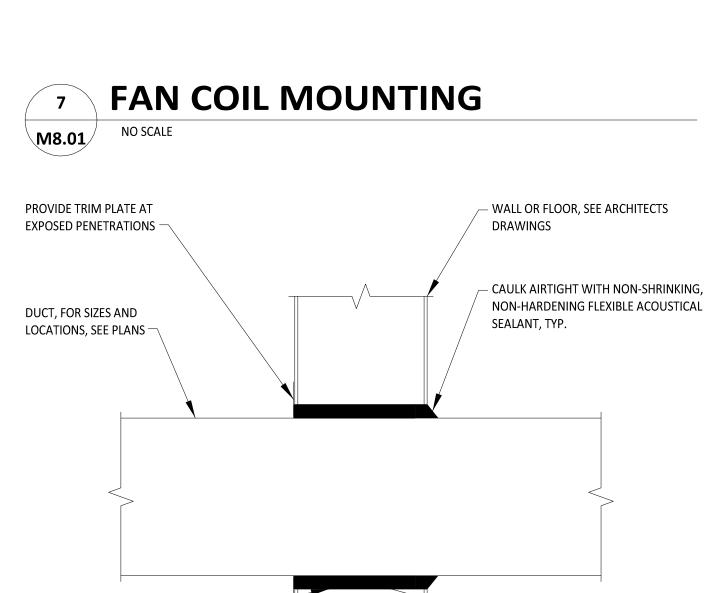






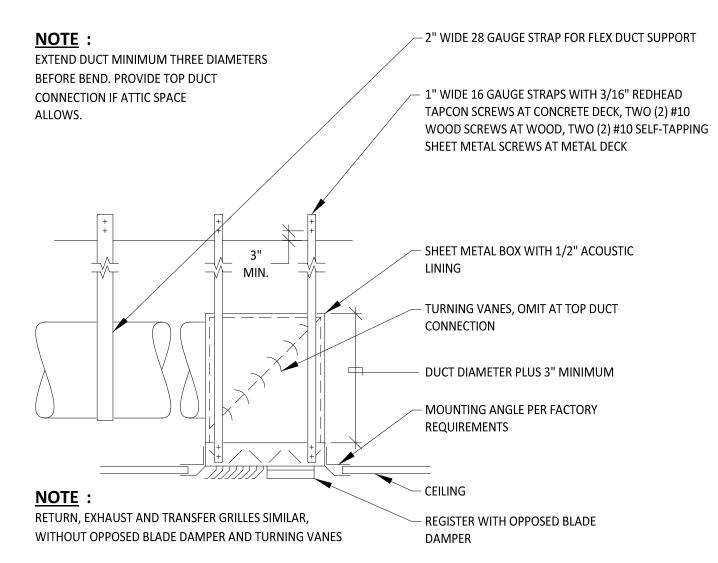
MONTEREY | NAPA | SANTA CRUZ - REFRIGERATION PIPING DIAGRAMS





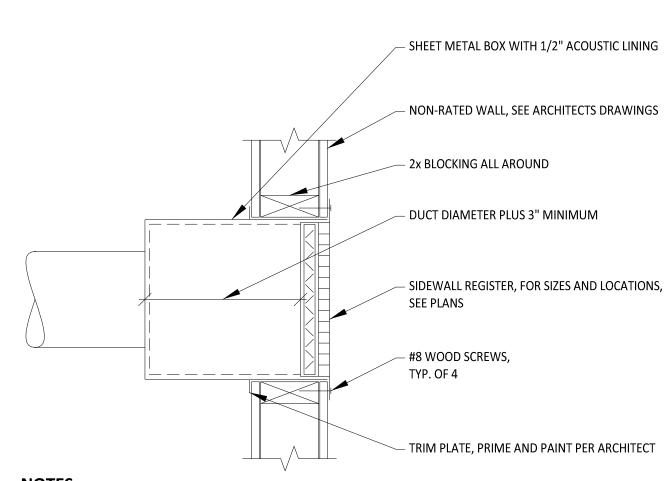


GALVANIZED STEEL SLEEVE, TYP. —



# DIFFUSER MOUNTING HARD CEILING

M8.01 NO SCAL



# **NOTES**: 1. RETURN, EXHAUST AND TRANSFER GRILLES

EXTEND DUCT MINIMUM THREE DIAMETERS

RETURN, EXHAUST AND TRANSFER GRILLES SIMILAR,
WITHOUT OPPOSED BLADE DAMPER AND TURNING VANES

BEFORE BEND. PROVIDE TOP DUCT

CONNECTION IF CRAWL SPACE

SIMILAR.

2. EXTEND DUCT MINIMUM THREE DIAMETERS

# 4 SIDEWALL MOUNTING

W8.01

2" WIDE 28 GAUGE STRAP FOR FLEX DUCT SUPPORT

HEAVY DUTY FLOOR REGISTER / GRILL

MOUNTING ANGLE PER FACTORY
REQUIREMENTS
DUCT DIAMETER PLUS 3" MINIMUM

TURNING VANES, OMIT AT TOP DUCT
CONNECTION

# 5

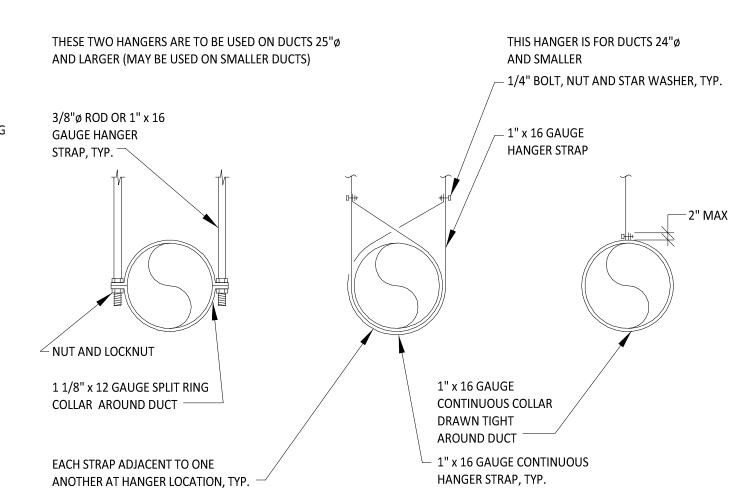
PACK SPACE BETWEEN DUCT AND

SLEEVE WITH HEAVY DENSITY

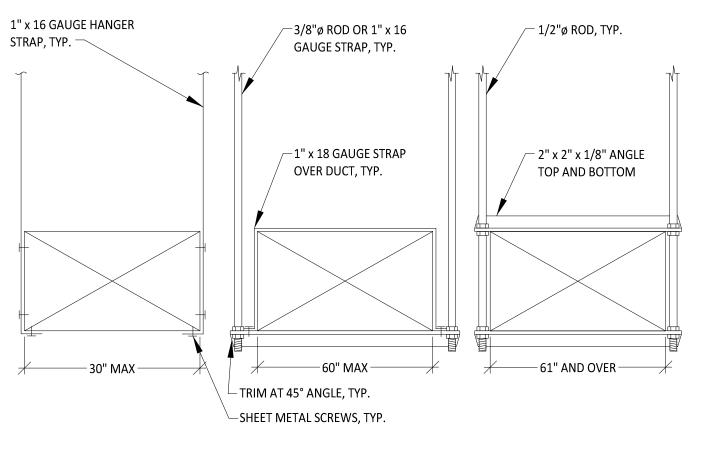
ACOUSTICAL INSULATION, TYP.

# DIFFUSER MOUNTING FLOOR NO SCALE

- SHEET METAL BOX WITH 1/2" ACOUSTIC



## **ROUND DUCT HANGER**



### RECTANGULAR DUCT HANGER

### **NOTES**:

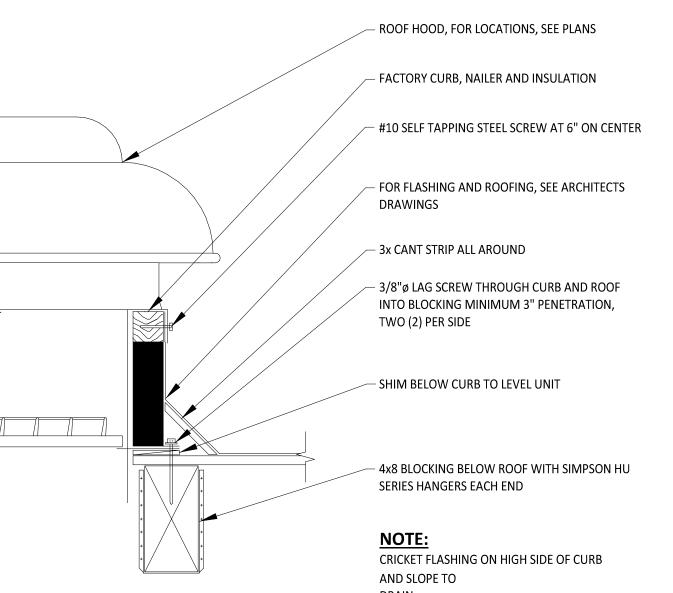
REFER TO SPECIFICATIONS AND SMACNA GUIDELINES FOR HANGER SPACING.
 ATTACHMENTS TO OVERHEAD STRUCTURE SHALL BE MADE IN ACCORDANCE

WITH STRUCTURAL ENGINEERS REQUIREMENTS AND WEIGHT LIMITATIONS

3. PROVIDE SWAY BRACING PER SMACNA SEISMIC GUIDELINES.



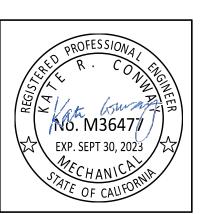
M8.01 NO SCALE

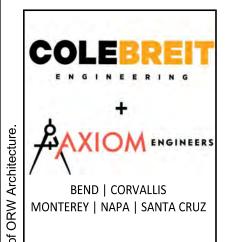


# 2 ROOF HOOD MOUNTING

M8.01 NO SCALE





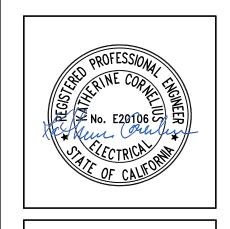


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Description Date





# COLEB ENGINEERING BEND | CORVALLIS

MONTEREY | NAPA | SANTA CRUZ

PROJECT: 20220412 10/12/2022 No. Description Date

# **ELECTRICAL LEGEND**

SYMBOL IDENTIFICATION

CONDUIT INSTALLED BELOW FINISHED FLOOR OR BELOW GRADE

C = CEILING MOUNTED; BACK BOX ONLY FOR FUTURE WAP UNLESS OTHERWISE NOTED

TELEPHONE/DATA OUTLET; PROVIDE 1"C. W/ PULL-STRING TO ACCESSIBLE CEILING SPACE

SYMBOL IDENTIFICATION

INDICATES CONDUIT TURNING UP

CONDUIT INSTALLED ABOVE FINISHED FLOOR OR GRADE

TERMINAL BOARD INDICATED, AND TERMINATE CONDUCTORS

TO CIRCUIT OVER CURRENT PROTECTIVE DEVICE

CONDUIT HOMERUN; ROUTE TO PANELBOARD, CABINET, OR

POWEF	R SYMBOLS	LIGHTII	NG SYMBOLS	WIRING	G DEVICE SYMBOLS	ABBRE	VIATIONS
SYMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION	ABBRV.	IDENTIFICATION
M	MOTOR CONNECTION		LUMINAIRE; CEILING OR SURFACE MOUNTED	<del></del>	20A, 125V, DUPLEX RECEPTACLE OUTLET	AC	ALTERNATING CURRENT
W.	WOTOR CONNECTION		EDMINAINE, CEIEING ON SONI ACE MOONTED	<del>-\</del>	ZOA, 123V, DOFLEX NECEFTACLE OUTLET	AFF	ABOVE FINISH FLOOR
G	GENERATOR CONNECTION	H	LUMINAIRE; WALL MOUNTED	#	20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET	AF	FRAME RATING IN AMPERES
~				H		AS	SWITCH RATING IN AMPERES
LF	FUSED DISCONNECT SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE	•	AREA POLE WITH MOUNTED LUMINAIRE		SPECIAL PURPOSE RECEPTACLE OUTLET; RATING AS SHOWN; +18" AFF TP CENTERLINE	ATC	TRIP RATING IN AMPERES
					130 ATT TO CERTIFICATE	ATS AV	AUTOMATIC TRANSFER SWITCH AUDIO VISUAL
4	NON-FUSED DISCONNECT SWITCH XX/XX/XX = AMP SWITCH/POLES/AMP FUSE		LUMINAIRE ON EMERGENCY POWER	$\overline{}$	20A, 125V, SINGLE RECEPTACLE OUTLET	C	CONDUIT
			EXIT SIGN; CEILING MOUNTED; ARROWS AND FACES AS			CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
J	JUNCTION BOX	$\otimes$	SHOWN ON PLANS	$\Rightarrow_{X}$	A = ABOVE COUNTER C = CEILING MOUNTED	CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
	C. CELLING MOUNTED	HQ.	EXIT SIGN; WALL MOUNTED; ARROWS AND FACES AS		G = GFCI S = SWITCHED RECEPTACLE	CEC	CALIFORNIA ELECTRIC CODE
$(J)^X$	C = CEILING MOUNTED	F	SHOWN ON PLANS		T = TAMPER PROOF	CL	CENTERLINE
J	JUNCTION BOX; WALL MOUNTED		EMERGENCY FIXTURE; DUAL LAMP HEAD		U = WITH (2) USB PORTS W = WEATHERPROOF COVER AND GFCI	CONN	CONNECTED
¥					+#" = INCHES ABOVE FINISH FLOOR	DC	DIRECT CURRENT
J	JUNCTION BOX WITH WHIP-STYLE CONNECTION TO POWERED FURNITURE; POWER AND/OR DATA				20A, 125V, DUPLEX RECEPTACLE OUTLET; FLOOR RECESSED	DPDT	DOUBLE POLE, DOUBLE THROW
	FURNITURE, FOWER AND/OR DATA				PLOOK RECESSED	DPST	DOUBLE POLE SINGLE THROW
$\top$	TRANSFORMER; BOTTOM OF T DESIGNATES FRONT SIDE				20A, 125V, DOUBLE DUPLEX RECEPTACLE OUTLET; FLOOR RECESSED	(E) ELEV	EXISTING TO REMAIN ELEVATOR
_					2-CHANNEL FLOOR BOX W/ (2) GANG POWER / (2) GANG DATA;	EMT	ELECTRO METALLIC TUBING
	PANELBOARD OR TERMINAL CABINET; SURFACE MOUNTED			$\mathbf{V}$	PROVIDE 1"C. FROM EACH DATA OUTLET TO ACCESSIBLE CEILING SPACE. BASIS-OF-DESIGN: WIREMOLD 'RFB4'.	EWC	ELECTRIC WATER COOLER
				C		EWH	ELECTRIC WATER HEATER
	PANELBOARD OR TERMINAL CABINET; FLUSH MOUNTED			J.	COMMERCIAL CORD REEL RECEPTACLE; CEILING MOUNTED	FVNR	FULL-VOLTAGE, NON-REVERSING
				Φ.		FVR	FULL-VOLTAGE, REVERSING
• •	GROUND BUS BAR			\$	SINGLE POLE SWITCH	G	GROUND
<u>ulu</u>	TRANSFORMER			¢	3 = THREE WAY SWITCH	GFCI	GROUND FAULT CIRCUIT INTERRUPTER
<del></del>	TRANSFORMER			\$ <sub>X</sub>	4 = FOUR-WAY SWITCH	GND	GROUND
	AUTOMATIC TRANSFER SWITCH				D = DIMMER SWITCH K = KEY OPERATED SWITCH	HID	HIGH INTENSITY DISCHARGE
	The result will be a second of the result of				M = MOTOR RATED SWITCH S = DUAL TECH SENSOR SWITCH	IG	ISOLATED GROUND
11	NORMALLY OPEN CONTACT				T = INTERVAL TIMER	LRC	LIGHTING RELAY CABINET
					V = LOW VOLTAGE SWITCH W = SINGLE POLE WEATHERPROOF SWITCH	NC	NORMALLY CLOSED
#	NORMALLY CLOSED CONTACT					NEC	NATIONAL ELECTRICAL MAANUFACTURERIS ASSOCIATION
						NEMA NO	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION NORMALLY OPEN
$\langle\!\langle\!$	DRAWOUT CIRCUIT BREAKER; RATING AS SHOWN ON PLANS			•	PUSH BUTTON SWITCH	NTS	NOT TO SCALE
•••						OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
• •	STATIONARY - CIRCUIT BREAKER; RATING AS SHOWN ON PLANS			(OS)	OCCUPANCY LIGHT CONTROL SWITCH; CEILING MOUNTED	PH	PHASE
						PP	POWER POLE
• •	DISCONNECT; RATING AS SHOWN ON PLANS			HO	OCCUPANCY LIGHT CONTROL SWITCH; WALL MOUNTED	PTS	PNEUMATIC TUBE STATION
1				65	C = DUAL TECH WITH CORRIDOR PATTERN	PVC	POLYVINYL CHLORIDE CONDUIT
	SWITCH AND FUSE; RATING AS SHOWN ON PLANS			©S <sub>X</sub>	H = DUAL TECH WITH HIGH BAY SENSOR	(R)	RELOCATE EXISTING
{	SWITCH AND TOSE, IN TIME AS SHOWN ON TEAMS				V = DUAL TECH WITH VACANCY SENSOR MODE	RSC	RIGID STEEL CONDUIT
ſ						SPD	SURGE PROTECTION DEVICE
=_	INVERTER			PS	PHOTOSENSOR; CEILING MOUNTED	SPDT	SINGLE POLE, DOUBLE THROW
<u> </u>				_		SPST	SINGLE POLE, SINGLE THROW
<u></u>	GROUNDING POINT			$\overline{PS}_{X}$	D = DIMMING	TB TC	TERMINAL BACKBOARD TERMINAL CABINET
					S = SWITCHED	TEL	TELEPHONE
<b>M</b>	UTILITY METER			EV	ELECTRIC VEHICLE CHARGING STATION	UON	UNLESS OTHERWISE NOTED
						VFD	VARIABLE FREQUENCY DRIVE
					HORN/STROBE COMBINATION; CEILING MOUNTED	W	WEATHERPROOF
					HODNI/STDODE CONADINIATIONS MANUAL MAGUINITED	WAP	WIRELESS ACCESS POINT
				H	HORN/STROBE COMBINATION; WALL MOUNTED	W/	WITH
						(X)	REMOVE EXISTING
						XFMR	TRANSFORMER
						XP	EXPLOSION PROOF
<b>-</b>		<b></b>					
<u>CONDL</u>	<u>JIT SYMBOLS</u>	TELECC	<u>OM SYMBOLS</u>	<u>DESIGN</u>	NATION SYMBOLS	LEGEND	NOTES:
						Δ ΔΙΙ	SYMBOLS MAY NOT BE USED IN THIS PROJECT

SYMBOL IDENTIFICATION

GRID LINE DESIGNATOR

SHEET KEYNOTE TAG

XX-# MECHANICAL EQUIPMENT TAG

XX-# CONTRACTOR EQUIPMENT TAG

REVISION DELTA WITH REVISION NUMBER

LETTER INDICATES FIXTURES CONTROL (WHERE SHOWN)

NUMBER INDICATES CIRCUIT NUMBER (WHERE SHOWN)

# **GENERAL ELECTRICAL NOTES:**

BUILDING IS COVERED UNDER 2019 CHBC SECTION 8-901.5 ENERGY CONSERVATION. QUALIFIED HISTORICAL BUILDINGS OR PROPERTIES COVERED BY THIS PART ARE EXEMPTED FROM COMPLIANCE WITH ENERGY CONSERVATION STANDARDS.

# **LEGEND NOTES:**

- A. ALL SYMBOLS MAY NOT BE USED IN THIS PROJECT. B. SYMBOLS DO NOT ALWAYS REPRESENT REAL LIFE DIMENSIONS.
- C. SEE BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION. D. SEE DETAIL SHEETS FOR TYPICAL MOUNTING HEIGHTS OF DEVICES.

ELECTRICAL SHEET KEY	EL
SHEET NUMBER DESCRIPTION	SHEET NUMBER
FOO 40 FLECTRICAL LECENID O MOTEC	F00.40

SHEET NUMBER	MBER DESCRIPTION
E00.10	.0 ELECTRICAL - LEGEND & NOTES
E00.20	ELECTRICAL - LUMINAIRE SCHEDULE AND LIGHTING CONTROLS
	ELECTRICAL - BASEMENT, LOWER, AND UPPER LEVEL REFLECTED CEILING PLANS - LIGHTING
	ELECTRICAL - BASEMENT, LOWER, AND UPPER LEVEL FLOOR PLANS - POWER AND DATA
E04.01	11 ELECTRICAL - ONE-LINE DIAGRAM AND SCHEDULES

E05.01 ELECTRICAL - DETAILS

					LUMINAIR	E SCHEE	DULE		
						INPUT P	OWER		
TYPE	DESCRIPTION / MOUNTING	FINISH	LISTINGS	DRIVER/POWER SUPPLY	LAMP(S)	WATTS	UNIT	MFG/CATALOG #	NOTES
P1	LINEAR PENDANTS IN HISTORICAL AREA	SATIN ALUMINUM	ETL, UL	120V , 0-10V DIMMING (10%)	LED, 3,424 LUMENS UP, 5,768 LUMENS DOWN, 3500K, 90 CRI	72W	EA	FINELITE #HP-4-P-ID-8'-S-H-935-WSOTG-BG-96LG-120-SC-FC-10%-FA50	ARCHITECT TO CONFIRM FINSIH
P2	FEATURE CHANDELIER IN ENTRANCE / RECEPTION					75W	EA	SELECTION TBD IN SUBMITTAL PHASE, 75W MAX	ARCHITECT TO CONFIRM SELECTION AND FINISH
Р3	BACK OF HOUSE LINEAR PENDANT	WHITE	ETL, DLC	120-277V, NO DIMMING REQ'D	LED, 5,500 LUMENS, 3500K, 80 CRI	45W	EA	SIGNIFY #FSS-4-55L-835-UNV-DIM	
S1	2X4 SURFACE TROFFER IN OPEN WORKSPACE	WHITE ENAMEL	UL, DLC	120-277V, 0-10V DIMMING (1%)	LED, 5,697 LUMENS, 3500K, 80 CRI	51W	EA	SIGNIFY 2SBP, #2SBP3040L8CS-2-UNV-DIM	
S2	4' SURFACE LINEAR, GENERAL USE	WHITE ENAMEL	ETL	120-277V, 0-10V DIMMING (10%)	LED, 4,700 LUMENS, 3500K, CRI	52W	EA	SIGNIFY CUBELITE, #CSW48-4735UDZTZO	
S3	SAME AS TYPE 'P3' EXCEPT SURFACE MOUNT	WHITE	ETL, DLC	120-277V, NO DIMMING REQ'D	LED, 5,500 LUMENS, 3500K, 80 CRI	45W	EA	SIGNIFY #FSS-4-55L-835-UNV-DIM	-
S4	ROUND DOWNLIGHT, SURFACE	WHITE MATTE	UL	120-277V, 0-10V DIMMING (10%)	LED, 5,500 LUMENS, 3500K, 80 CRI	23W	EA	SIGNIFY S7R, #S10R-0-35K-22-AL-Z10U	ARCHITECT TO CONFIRM FINISH
U1	UNDERCABINET LIGHTS IN KITCHEN	STATIC WHITE	UL	120V, NO DIMMING	LED, 157 LUMENS/FT, 3500K, 98 CRI	2W	PER FT	CORE LIGHTING, #ULG-2632-35K-WH-120	
U2	RECESSED DISPLAY CASE LIGHTING	BLACK	UL	24VDC, NO DIMMING	LED, 319 LUMENS/FT, 3500K, 98 CRI	6W	EA	Q-TRAN #TILT-01-SW-2.0-35-DRY-DF-1/O-CONNECTOR-BK-WIRE-SST-BK	
W1	EXTERIOR WALL PACK AT PATIO	GRAPHITE	ETL	120-277V, 0-10V DIMMING (10%)	LED, 2,300 LUMENS, 3000K, 80 CRI	23W	EA	ALVA BEAU, #BEAU-28-GR-3000	ARCHITECT TO CONFIRM FINISH
W2	EXISTING DECORATIVE WALL SCONCE; RE-LAMPING	GRAPHITE	-	-	LED REPLACEMENT BULB, 3000K	40W	EA	EXISTING RELAMP, #BEAU-28-GR-3000	DIVISION 26 TO VERIFY BULB REQUIREMENTS AND SELECT REPLACEMENT BULB, TO BE INCLUDED IN SUBMITTALS
W3	HIGH MOUNT WALL PACK	BRONZE	DLC, ETL	120-277V, 0-10V DIMMING	LED, 3,766 LUMENS, 3000K, 70 CRI	34W	EA	SIGNIFY #LPW16-30-WW-G3-2-UNV-BAC-BZ	ARCHITECT TO CONFIRM FINISH
X1	LED EXIT SIGN	ALUMINUM	UL	120/277V	LED	5W	EA	SIGNIFY CHLORIDE CE #CE-FACES-RW-A-ARROWS	SEE RCP'S FOR FACE AND DIRECTIONAL REQUIREMENTS, CONFIRM FINISH WITH ARCHITECT

PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.

REMOTE BALLASTS/DRIVERS: UL LISTED FOR THEIR APPLICATION. BALLASTS/DRIVERS MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER.

4 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.
5 SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

8 PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH OREGON STATE LIGHTING COMMISSIONING REQUIREMENTS.

PROVIDE +/- 12 INCH ADJUSTABILITY IN AIRCRAFT CABLE LENGTH WHERE USED.

ROOM NAME	TYPE OF CONTROLS	CONTROL FUNCTIONS	PRODUCT BASIS OF DESIGN
WAITING	WALL SWITCH OCCUPANCY SENSOR, DIMMING	MANUAL CONTROL VIA WALL SWITCH, AUTO ON/OFF VIA OCCUPANCY SENSOR	WATTSTOPPER #LMDM SERIES WALL SWITCH #LMDC SERIES OCCUPANCY SENSOR
VESTIBULE TO RECEPTION	WALL SWITCH, LIGHTING CONTROL PANEL 'LCP-1', TIME CLOCK	AUTO ON/OFF VIA 'LCP-1' TIME CLOCK, MANUAL OVERRIDE VIA WALL SWITCH	WATTSTOPPER LMCP, DIVISION 26 TO SELECT STANDARD TOGGLE SWITCH
STAIRWAYS	3-WAY WALL SWITCH	MANUAL ON/OFF AND 3-WAY FUN CTION VIA WALL SWITCHES	WATTSTOPPER #LMDM SERIES WALL SWITCH
RECEPTION AREA	4-WAY WALL SWITCH, DIMMING, OCCUPANCY SENSOR	MANUAL ON/OFF, DIMMING, AND 4-WAY FUN CTION VIA WALL SWITCHES, AUTO ON/OFF VIA OCCUPANCY SENSOR	WATTSTOPPER #LMDM SERIES WALL SWITCH #LMDC SERIES OCCUPANCY SENSOR
CONFERENCE	WALL SWITCH / SENSOR SWITCH AS SHOWN, DIMMING, OCCUPANCY SENSOR AS SHOWN	MANUAL AND AUTO ON/OFF AND DIMMING VIA SENSOR SWITCH	WATTSTOPPER #LMDM SERIES WALL SWITCH #LMDW SERIES SENSOR SWITCH #LMDC SERIES OCCUPANCY SENSOR
KITCHEN	SENSOR SWITCH, SEPARATE TOGGLE SWITCH FOR UNDERCABINET LIGHTING	MANUAL AND AUTO ON/OFF AND DIMMING VIA SENSOR SWITCH	WATTSTOPPER #DW SERIES SENSOR SWITCH DIVISION 26 TO SELECT STANDARD TOGGLE SWITCH
OPEN OFFICE AREA (SEE STAIRWAYS)	3-WAY WALL SWITCH, DIMMING, OCCUPANCY SENSOR	MANUAL ON/OFF AND 3-WAY FUN CTION VIA WALL SWITCHES, MANUAL DIMMING VIA SWITCH AT TOP OF STAIRS, AUTO ON/OFF VIA OCCUPANCY SENSOR	WATTSTOPPER #LMDM SERIES WALL SWITCH #LMDC SERIES OCCUPANCY SENSOR
PRIVATE OFFICES	SENSOR SWITCH, DIMMING	MANUAL AND AUTO ON/OFF AND DIMMING VIA SENSOR SWITCH	WATTSTOPPER #LMDW SERIES SENSOR SWITCH
RESTROOMS	SENSOR SWITCH	MANUAL AND AUTO ON/OFF VIA SENSOR SWITCH	WATTSTOPPER #DW SERIES SENSOR SWITCH
STORAGE ROOMS	SENSOR SWITCH	MANUAL AND AUTO ON/OFF VIA SENSOR SWITCH	WATTSTOPPER #DW SERIES SENSOR SWITCH
BACK OF HOUSE	TOGGLE SWITCH ONLY	MANUAL CONTROL VIA SWITCH	DIVISION 26 TO SELECT STANDARD TOGGLE SWITCH
BUILDING EXTERIOR	LIGHTING CONTROL PANEL 'LCP-1', TIME CLOCK	AUTO ON/OFF VIA LCP-1 TIME CLOCK	WATTSTOPPER LMCP

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DJECT: 20220412
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E00.20

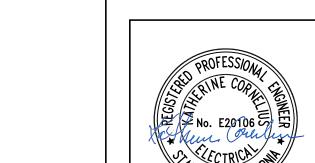


- A. ALL EXISTING LIGHTING FIXTURES AND CONTROLS IN BUILDING TO BE DEMOLISHED UNLESS
- OTHERWISE NOTED. B. CONTRACTOR TO SAFE OFF ALL EXISTING BRANCH CIRCUITS IN WALLS AND CEILING/LID AREAS TO BE
- DEMOLISHED. C. CONTRACTOR TO ENSURE NO SHOCK HAZARD REMAINS FOR SAFE REMOVAL OF LOW-VOLTAGE
- DEVICE AND RACEWAY/CABLE. D. REMOVE AND STORE ANY EXISTING LIGHT FIXTURES TO BE RETAINED BY OWNER. CONFIRM WITH
- OWNER PRIOR TO DEMO IF ANY LIGHTS ARE TO BE RETAINED/RETURNED. STORE FIXTURES ON SITE IN LOCATION DESIGNATED BY CONTRACTOR. E. PULL BACK ALL CIRCUITS TO HOMERUN BOXES IN AREAS TO BE REMODELED FOR RE-PURPOSE AS
- FEASIBLE. F. LOCK-OUT/TAG-OUT EXISTING CIRCUITS TO BE
- REPURPOSED. G. ALL EXIT SIGNS CIRCUITED TO 'INV-1.' UNLESS

# OTHERWISE NOTED.

- 1. FIXTURES IN THIS AREA ARE TO BE 1:1 REPLACEMENT OF EXISTING WITH NEW LED FIXTURES AND UPDATED CONTROLS. DEMO ALL LIGHTING (AT FIXTURE, FOR REUSE) AND CONTROLS UNLESS OTHERWISE NOTED, SEE GENERAL NOTES. FIXTURES IN THIS AREA ARE TO BE NEW FIXTURES IN
- NEW LAYOUT AND NEW CONTROLS. DEMO (COMPLETELY) ALL LIGHTING AND CONTROLS UNLESS OTHERWISE NOTED. BOTH INDICATED SWITCHES IN 3-WAY
- CONFIGURATION TO CONTROL LIGHTING IN OPEN WORKSPACE AREA LIGHTING CONTROL PANEL, BASIS OF DESIGN:
- WATTSTOPPER LMCP WITH EM RELAYS. LIGHTING INVERTER, BASIS OF DESIGN:

MYERS #240-120/240-EM-2-S-B-A-20-6





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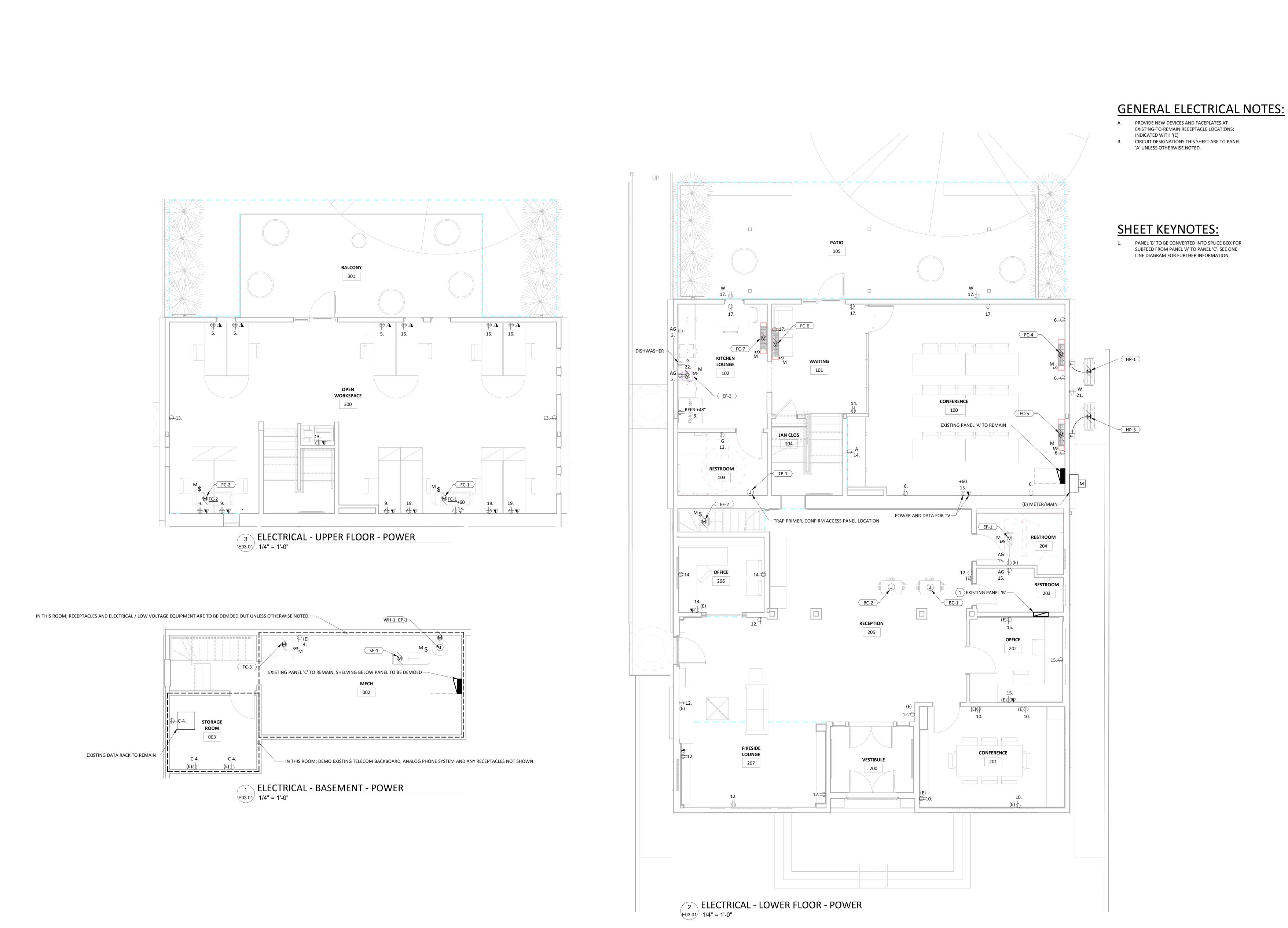
P 5 4 1 . 7 7 9 . 5 2 3 7

COLEBRE ENGINEERING

AXIOM ENGINEERS BEND | CORVALLIS MONTEREY | NAPA | SANTA CRUZ

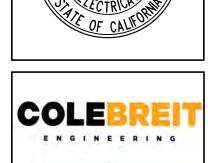
ECTRICAL - BASEMENT, LOWER, AND UPPER REFLECTED CEILING PLANS - LIGHTING

2 ELECTRICAL - LOWER FLOOR - LIGHTING
E02.01 1/4" = 1'-0"









+

BEND | CORVALLIS

MONTEREY | NAPA | SANTA CRUZ

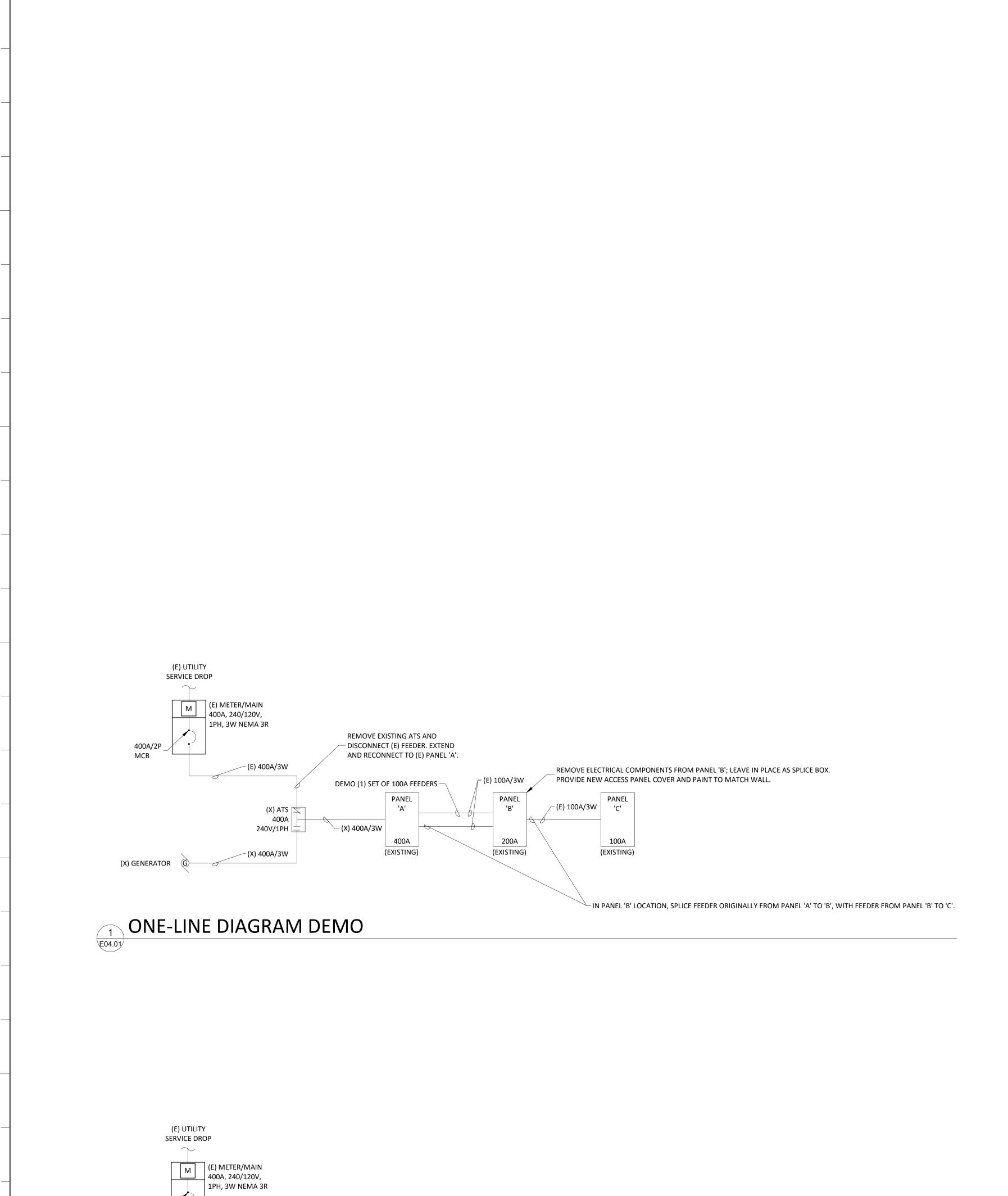
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DATE: 10/12/2022

No. Description Date

E03.01



400A/2P \_ MCB

ONE-LINE DIAGRAM

ITEM DESCRIPTION		LOCATION	VOLTS / PHASE	LC	DAD	MCA	МОСР	WIRE / CONDUIT	CIRCUIT	NOTES
EF-1	EXHAUST FAN	RESTROOM 203/204	120/1	25.0	W		15	202	C-6.	
EF-2	EXHAUST FAN	RESTROOM / JAN CLOS	120/1	20.0	W		15	202	C-6.	
SF-1	INLINE SUPPLY FAN	BASEMENT MECH RM	120/1	###	W		15	202	C-2.	
FC-1	FAN COIL	OPEN WORKSPACE 83	240/1	65.0	W		15	202	-	1
FC-2	FAN COIL	OPEN WORKSPACE 83	240/1	65.0	W		15	202	-	1
FC-3	FAN COIL	HISTORIC BUILDING	240/1	###	W		15	202	-	1
FC-4	FAN COIL	CONFERENCE 100	240/1	27.0	W		15	202	-	1
FC-5	FAN COIL	CONFERENCE 100	240/1	27.0	W		15	202	-	1
FC-6	FAN COIL	LOBBY 101	240/1	27.0	W		15	202	-	1
FC-7	FAN COIL	KITCHEN LOUNGE 102	240/1	27.0	W		15	202	-	1
HP-1	HEAT PUMP		240/1	32.0	Α		50	402	A-18,20.	
(E) CU	CONDENSING UNIT	EXTERIOR, EXISTING	240/1	1.2	KW		15	202	C-8,10.	
HP-3	HEAT PUMP		240/1	32.0	А		50	402	A-39,41.	
BS-1	BRANCH SELECTOR	BASEMENT MECH RM	240/1	2.0	A		15	202	C-9.	
BS-2	BRANCH SELECTOR	BASEMENT MECH RM	240/1	2.0	А		15	202	C-9.	
TP-1	TRAP PRIMER		120/1	###	W		15	202	C-11.	
CP-1	CIRCULATION PUMP		240/1	###	W		15	202	C-1,3.	
WH-1	WATER HEATER	BASEMENT	240/1	6.0	KW		30	302	C-5,7.	
A. TH	CHANICAL EQUIPMENT CONNECTED ABOVE INFORMATION IS FOR A ECHANICAL EQUIPMENT SUBMIT	A SPECIFIC MANUFACTURER. ACT								I

B. MOCP = MAXIMUM OVER CURRENT PROTECTION

MCA = MINIMUM CIRCUIT AMPACITY

C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES:

1 POWER FED VIA OUTDOOR UNIT; NO CONNECTION TO PANEL REQUIRED.

2 INTERLOCK WITH HOOD EXHAUST.

WIRE / CONDUIT SCHEDULE

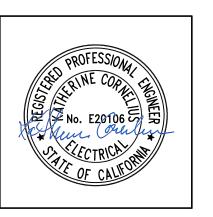
202 2 #12 CU, 1 #12 CU GND., IN 3/4" C. 302 2 #10 CU, 1 #10 CU GND., IN 3/4" C.

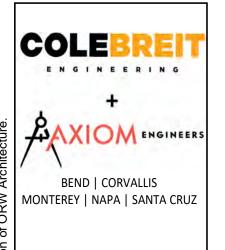
NOTE	CIRCUIT DESCRIPTION	CONN LOAD (VA)	l	CIRCUIT B	REAKER CKT.			T BREAKER A/POLE	LOAD TYPE	CONN LOAD (VA)	CIRCUIT DESCRIPTION	NOT
	L-KITCHEN LIGHTING	392	L	20/1	1	Α	2	20/1	L	400	MAIN LEVEL LIGHTING	-
	KITCHEN COUNTER RECP.	360	К	20/1	3	С	4	20/1	L	1,503	VEST. RECEPTION LIGHTING	
	MAIN LEVEL DESK RECP.	1,080	R	20/1	5	Α	6	20/1	R	900	CONF. ROOM RECP.	
	LF OFFICE, CONF. & RR LIGHTING	600	L	20/1	7	С	8	20/1	С	1,200	KITCHEN LOUNGE REFR.	
	MAIN LEVEL DESK RECP.	1,080	R	20/1	9	Α	10	20/1	R	720	LF CONF. RECP.	
	BASEMENT LIGHTING	104	L	20/1	11	С	12	20/1	R	900	RECEPTION & FIRESIDE RECP.	
	LF RR & MF WALL RECP.	900	R	20/1	13	Α	14	20/1	R	900	LF CONF. COUNTER, LOBBY & OFFIC	.E
	LF RR's AND OFFICE	900	R	20/1	15	С	16	20/1	R	1,080	MAIN LEVEL DESK RECP.	
	WNW WALL RECP.	1,080	R	20/1	17	Α	18	20/1	М	3,840	CU-1 CONDENSING UNIT	
	MAIN LEVEL DESK RECP.	1,080	R	20/1	19	С	20	20/1	М	3,840		
	EXTERIOR CONVENIENCE RECEP	180	R	20/1	21	Α	22	20/1	М	1,200	KITCHEN DISHWASHER	
1	NEW BREAKER FEEDING PANEL 'C'		S	100/2	23	С	24	20/1	L	80	PATIO LIGHTING	
1			S	-	25	Α	26				SPACE	
1	SPARE, (E) BREAKER			100/2	27	С	28				SPACE	
1				-	29	Α	30	50/2			SPARE, (E) BREAKER	
	SPARE, (E) BREAKER			30/2	31	С	32	-				
				-	33	Α	34				SPACE	
	SPARE, (E) BREAKER			60/2	35	С	36	20/2	S		CENTRAL BATTERY INVERTER 'INV1'	
				-	37	Α	38	-	S			
	HP-3	3,840	М	30/2	39	С	40	50/2			SPARE, (E) BREAKER	
		3,840	М	-	41	Α	42	-				
	. CONNECTED LOAD: Ph. A . CONNECTED LOAD: Ph. C			138 129	AMPS AMPS				B-FED C	ONNECTED	LOAD: 32.0 KVA 133.3 Amps LOAD: 9.8 KVA 41.0 Amps LOAD: 44.7 KVA 186.3 Amps	
NOTES									B-FED C	ONNECTED	LOAD: 9.8 KVA 41.0 Amps	

					PAI	VC	LC								
	120/208V, 1Ph, 3W.	; 100A Bus wit	h Main	Lug Only S	urface N	/loun	ted Loa	d Center w	ith an Av	vailable Fau	ılt Curre	nt of 312	25A RN	15	
NOTE	CIRCUIT DESCRIPTION	CONN		CIRCUIT B	1			T BREAKER	_	CONN	(	CIRCUIT	DESCRI	PTION	NO
.,,,,	CINCOTT DESCRIPTION	LOAD (VA	TYPE	A/POLE	CKT.	PH.	CKT.	A/POLE	TYPE	LOAD (VA)			DESCIN	111011	110
	CP-1	278	M	20/1	1	Α	2	15/1	М	190	INLINE	SUPPLY	FAN SF	-1	
		278	M	20/1	3	С	4	20/1	R	1,080	R-STOR	AGE RO	OM RE	CEP	1
	WH-1	3,333	WH	30/2	5	Α	6	15/1	М	45	EXHAU	ST FANS	EF-1, E	F-2	
		3,333	WH	-	7	С	8	20/2	М	600	(E) CU	CONDE	NSING I	UNIT	1
	BS-1 / BS-2	480	G	15/1	9	Α	10	-	М	600					1
	TP-1	100	G	20/1	11	С	12	20/1	С	100	LCP-1				
	SPARE			20/1	13	Α	14	20/2	S		INV-1				
	SPARE			20/1	15	С	16	-	S						
	SPACE				17	Α	18				SPACE				
	SPACE				19	С	20				SPACE				
	SPACE				21	Α	22				SPACE				
	SPACE				23	С	24				SPACE				
TOTAL	CONNECTED LOAD: P	h. A 4,926	VA	41	AMPS			F	ANEL C	ONNECTED	LOAD:	10.4 k	(VA	43.4 Amps	5
								SU	B-FED C	ONNECTED	LOAD:	0.9 k	(VA	3.8 Amps	ŝ
TOTAL	. CONNECTED LOAD: P	h. C 5,491	VA	46	AMPS				TOTA	L DEMAND	LOAD:	13.2 k	(VA	54.9 <b>Amp</b> s	5
NOTES	<b>6:</b>						1								
	EXISTING CIRCUIT														
2.															
3.															
4. 5.										PROJECT I				20412	

Battery Inverter 'INV1'	120/240	)V, 1	Ph., 3W.	; 1.6 K	VA v	vith an Ava	ilable Fault Current of 2986A RM	//S			
Ckt.	Load	t	C.B.								
No. Description / Location	(VA) T	уре	A/Pole	Note	Ph.						
1 EXIT SIGNS	25	L	20/1		Α	Notes:					
2 INTERIOR EGRESS, STAIRS	375	L	20/1		С	1.					
3 INTERIOR EGRESS, COMMON AREAS	363	L	20/1		Α	2.					
4 EXTERIOR EGRESS	160	L	20/1		С	3.					
5 SPARE			20/1		Α	4.					
6 SPARE			20/1		С	5.					
Total Connected Load: Ph. A	388	VA	3	Amps		•	Panel Connected Load:	0.9	KVA	2.6	Amps
							Sub-Fed Connected Load:	0.0	KVA	0.0	Amps
Total Connected Load: Ph. C	535	VA	4	Amps			Total Demand Load:	1.2	KVA	3.2	Amps



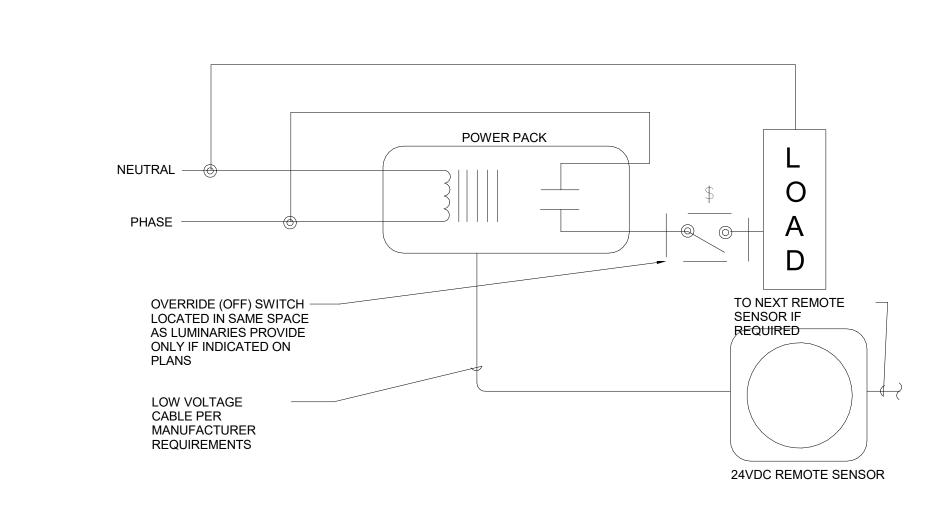




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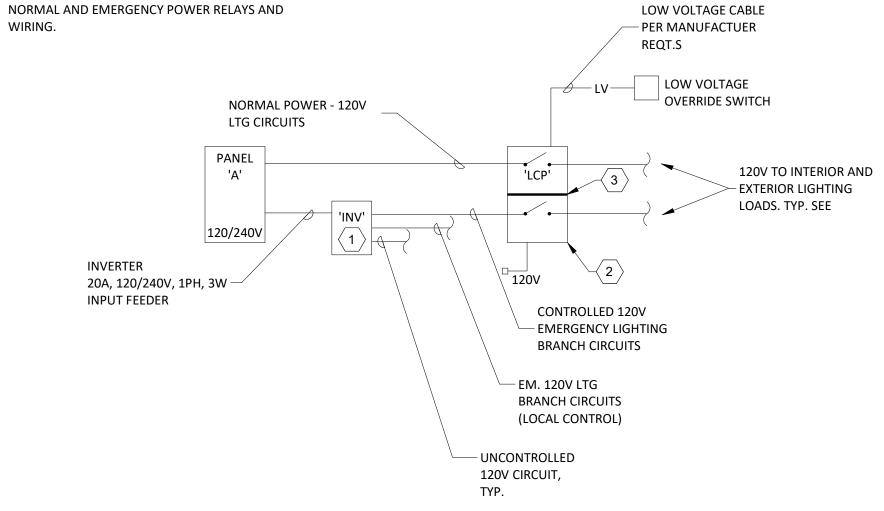


OCCUPANCY SENSOR DETAIL
E05.01 12" = 1'-0"

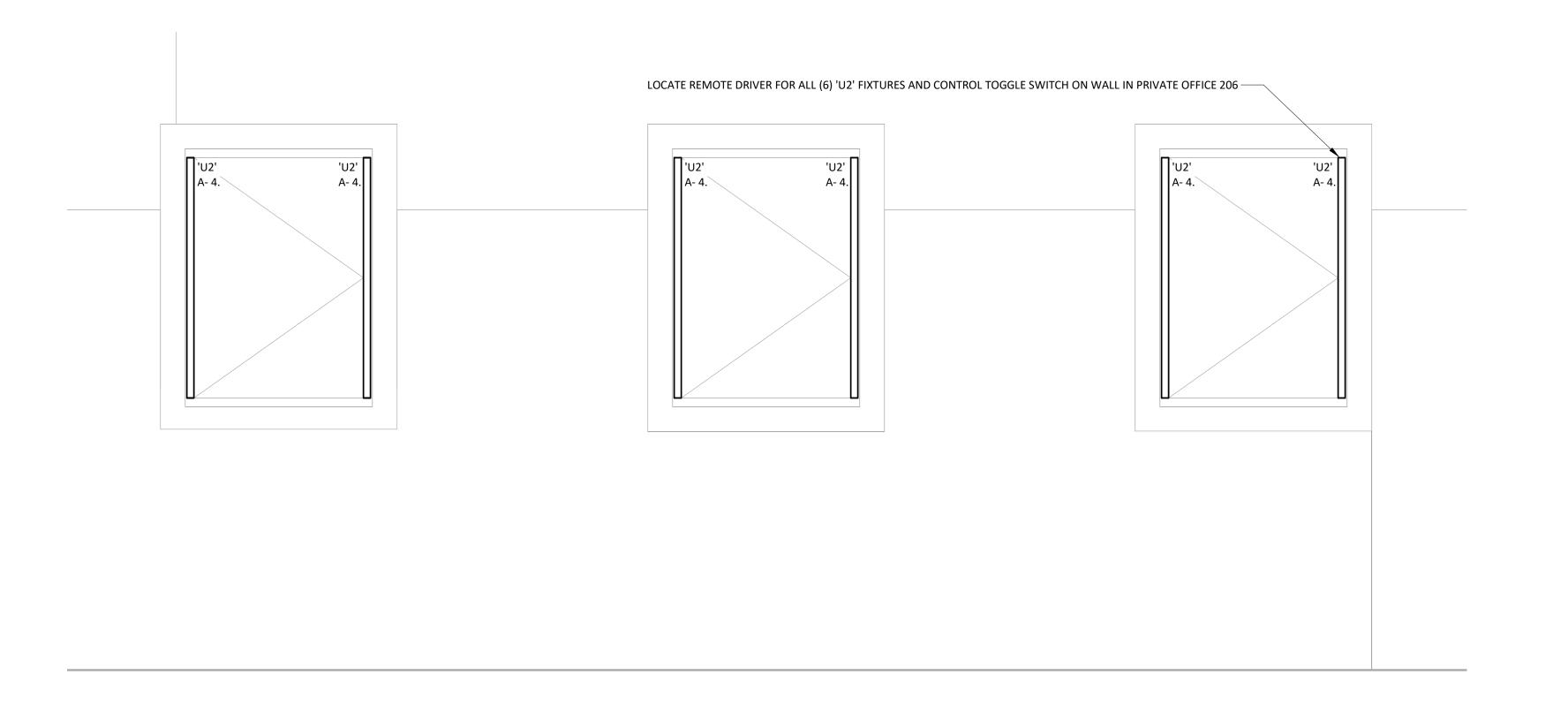
# **DETAIL KEYNOTES:**

- 1. EMERGENCY LIGHTING. INVERTER WITH 90 MINUTE
  BATTERY BACKUP, EQUIVALENT TO MEYERS # \_\_\_\_.

  2. LIGHTING BELAY BANKL MUTLL 8 BELAYS AND.
- 2. LIGHTING RELAY PANEL WITH 8 RELAYS AND
  ASTRONOMICAL TIMECLOCK, BASIS OF DESIGN AND
- WATTSTOPPER (MCP WITH EM RELAY).
  3. PROVIDE PHYSICAL BARRIER SEPARATION BETWEEN NORMAL AND EMERGENCY POWER RELAYS AND



3 LCP-1 DETAIL E05.01 12" = 1'-0"



DISPLAY LIGHTING DETAIL

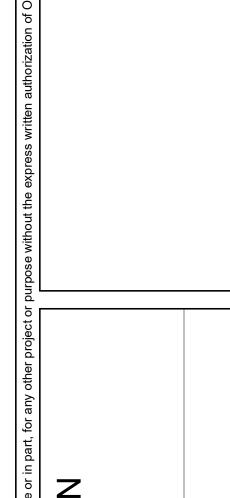
1" = 1'-0"







BEND | CORVALLIS
MONTEREY | NAPA | SANTA CRUZ



ELECTRICAL - DETAILS

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# **GENERAL NOTES:**

- A. SUPPORT PIPES TIGHT TO STRUCTURE WHEREVER POSSIBLE.
- B. ALL PIPING IS CONCEALED AND WITHIN ENVELOPE OF BUILDING UNLESS OTHERWISE NOTED. ANY REQUIRED EXPOSED PIPING
- MUST BE COORDINATED WITH ARCHITECT.
- C. ALL HORIZONTAL WASTE LINES TO HAVE MINIMUM OF 1/4 INCH PER FOOT SLOPE UNLESS OTHERWISE NOTED.
   D. ALL DRAINAGE LINE CHANGE IN FLOW DIRECTION CONNECTIONS SHALL BE IN ACCORDANCE WITH CALIFORINA PLUMBING CODE.
   E. WHERE BRANCH SIZES ARE NOT SHOWN, BRANCH SIZE SHALL BE SAME AS THAT SHOWN IN PLUMBING FIXTURE SCHEDULE.
- PROVIDE OPERATING AND MAINTENANCE MANUAL TO OWNER UPON SYSTEM COMMISSIONING.

  H. PROVIDE ACCESSIBLE FULL-WAY SHUT-OFF VALVES ON THE DISCHARGE SIDE OF WATER METER AND TO THE COLD WATER SUPPLY PIPE TO WATER HEATER.
- PROVIDE FULL-WAY COLD WATER AND HOT WATER SUPPLY SHUT-OFF VALVES IN EACH UNIT ACCESS PANEL.
  PROVIDE ACCESS PANEL TO SHUTOFF VALVES WHERE REQUIRED.
- ALL CONTROL WIRING SHALL BE IN CONDUIT. CONDUIT SHALL BE PROVIDED AND INSTALLED BY THE MECHANICAL CONTRACTOR. PROVIDE AND INSTALL RIGID CONDUIT IN AREAS EXPOSED TO THE ELEMENTS.
  PROVIDE MECHANICAL WATER HAMMER ARRESTOR AT QUICK-ACTING VALVES, SIZED AND INSTALLED IN ACCORDANCE WITH
- MANUFACTURER'S SPECIFICATIONS.

  LIMIT LAVATORY AND SINK TEMPERATURE TO 120°F FOR SCALDING PREVENTION.

  PROVIDE CLEANOUTS AT THE BASE OF ALL WASTE STACKS, AT UPPER TERMINALS OF HORIZONTAL DRAINAGE PIPES, IN
- LOCATIONS REQUIRED BY CODE, AND AS SHOWN ON DRAWINGS.
- ROUTE ALL CONDENSATE TO APPROVED RECEPTACLE.
- HEAT TRACE AND INSULATE ALL WASTE AND WATER PIPING EXPOSED TO FREEZING.

  ALL FLOOR DRAINS AND FLOOR SINKS AND SIMILAR TRAPS SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC MEANS OF
- MAINTAINING THEIR WATER SEAL. UNLESS TRAP PRIMERS IS CALLED OUT ON SCHEDULE TRAP PRIMER TYPE, MAKE AND MODEL SHALL BE SELECTED BY CONTRACTOR AND COORDINATED WITH ALL TRADES.

# **PLUMBING LEGEND**

**ABBREVIATIONS** 

COORD

ETC

FLA

ABBRV. IDENTIFICATION

ACCESS DOOR

CONDENSATE CONTINUED

COORDINATE CONSTRUCTION

DRAWINGS

**EFFICIENCY** 

FLOOR

ABOVE FINISH FLOOR

BRITISH THERMAL UNITS

COLD WATER (DOMESTIC)

**EXISTING TO REMAIN** 

FLEXIBLE CONNECTION
FLOOR CLEANOUT

FULL-LOAD AMPERES

FEET PER MINUTE

GALVINIZED

GENERAL CONTRACTOR

GALLONS PER MINUTE

GAS PRESSURE REGULATOR

GRADE CLEANOUT

**GREASE WASTE** 

HOT WATER

POUNDS

HOT WATER RETURN
INSIDE DIAMETER
INVERT ELEVATION

1000 BTU PER HOUR

MANUFACTURER

NOT TO SCALE ON CENTER

OVERFLOW DRAIN

MECHANICAL CONTRACTOR
MINIMUM CURRENT AMPACITY

MAXIMUM OVERCURRENT PROTECTION

OREGON PLUMBING SPECIALTY CODE

REDUCED PRESSURE ZONE ASSEMBLY
STANDARD CUBIC FEET PER MINUTE

PRESSURE REDUCING VALVE

POINT OF CONNECTION
POUNDS PER SQUARE INCH

RELOCATE EXISTING

STORM DRAIN
SHUT-OFF VALVE

WATER COLUMN
WALL CLEANOUT
REMOVE EXISTING

SQUARE

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRAION

	<u>SYMBOLS</u>	PIPING SYMBOLS	
SYMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION
$\bowtie$	GATE VALVE		COLD WATER PIPE; SIZES AS SHOWN ON PLANS
_\Z_	GATE VALVE; VERTICAL ORIENTATION		HOT WATER PIPE; SIZES AS SHOWN ON PLANS
$\overline{\bowtie}$	SHUT-OFF VALVE		HOT WATER RETURN PIPE; SIZES AS SHOWN ON PLAI
	GAS PRESSURE REGULATOR		WASTE PIPE; SIZES AS SHOWN ON PLANS
5	BALL VALVE		VENT PIPE; SIZES AS SHOWN ON PLANS
$\bowtie$	GLOBE VALVE	<b>──</b>	PIPE CONTINUED
Ι[i	BUTTERFLY VALVE		PIPE UP
Ŕ	BALANCING VALVE	———	PIPE DROP
$\bowtie$	CIRCUIT SETTER	<del></del>	PIPE DROP AT TEE
	SOLENOID VALVE	——	PIPE CAP
	PRESSURE REDUCING VALVE	•	PIPE UP OR DOWN THROUGH LEVEL
$\bowtie$	TEMPERATURE AND PRESSURE RELIEF VALVE	<b>&gt;</b>	PIPE TRANSITION
K	ANGLE VALVE		TEE
-«-	ANGLE VALVE; VERTICAL ORIENTATION		TEE; ISOMETRIC VIEW
Š	PRESSURE REGULATING VALVE		FLEXIBLE CONNECTION
	CHECK VALVE	0	PRESSURE/TEMPERATURE PLUG
	WYE STRAINER	I	UNION
	REDUCED PRESSURE ZONE ASSEMBLY	Т	WATER HAMMER ARRESTOR
	DOUBLE CHECK ASSEMBLY	ф	GRADE CLEANOUT OR FLOOR CLEANOUT
		CH	WALL CLEANOUT
			THERMOMETER
		<b>♀ P</b>	PRESSURE GAUGE
		<b>⊘</b> Т	TEMPERATURE GAUGE
		$\overline{AD}$	ACCESS DOOR
		-	WATER HAMMER ARRESTOR
			DOWNSPOUT NOZZLE

<u>FIXTUF</u>	RE SYMBOLS	DESIGN	NATION SYMBOLS
SYMBOL	IDENTIFICATION	SYMBOL	IDENTIFICATION
<b>&gt;</b> +	HOSE BIBB		GRID LINE DESIGNATOR

CIRCULATION PUMP	

FLOOR DRAIN

G FLOOR SINK

	SHEET KEYNOTE TAG
	CONTRACTOR EQUIPMENT TAG
<b>#</b> \	REVISION DELTA WITH REVISION NUMBER
	POINT OF CONNECTION

	PLUMBING FIXTURE CONNECTIONS												
	FIXTURE	FIXURE	MODEL	cor	NNECTION SIZE		MINIMUM BRANCH SIZE			ZE	NOTES		
MARK	DESCRIPTION	MANUFACTURER	NUMBER	w	cw	HW	w	V	cw	HW	NOTES		
WC-1	WATER CLOSET	SLOAN	8010	3"	1"	-	3"	2"	1-1/2"	-	1.28 GPF Pressure Assisted Flush Tank		
L-1	LAVATORY	AM. STD.	0955	1-1/4"	3/8"	3/8"	1-1/2"	1-1/2"	3/4"	3/4"	SLOAN BASYS Mid height, 0.5 GPM		
S-1	SINK	JUST	SL-151	1-1/4"	3/8"	3/8"	1-1/2"	1-1/2"	3/4"	3/4"	Chicago Faucet 431		
FD-1	FLOOR DRAIN	ZURN	Z415B	2"	-	-	2"	1-1/2"	-	-	With trap primer, TP-1		
TP-1	TRAP PRIMER	PPP	MPB-500	-	1/2"	-	-	-	3/4"	-	115v-1ph-60hz		
MS-1	MOP SINK	ZURN	Z5850	2"	3/8"	3/8"	2"	1-1/2"	3/4"	3/4"	Chicago Faucet 815 Wall Mounted faucet		
	51.50	TDIC MATER HEAT	C WATER HEATER		AO SMITH						2/411	240V/1ø, Drain Pan, Watts Series WDS with electronically actuated resettable shutoff valve, CP-1	
<u>WH-1</u>	ELEC	TRIC WATER HEATE			DEL -50		] <del>-</del>	-	3/4"	3/4"	Circ. pump, B&G PL-36, control with aquastat set at 115°F, 230V/1ø		

MARK	FIXTURE GROUP	OCC. TYPE	QTY	CW WSFU EACH	HW WSFU EACH	TOT. HW WSFU	TOT. CW WSFL
	FLOOR/REGION						
<u>WC-1</u>	WATER CLOSET, 1.6 GPF FLUSHOMETER TANK	PUBLIC	3	2.5	0	0	7.5
<u>L-1</u>	LAVATORY	PUBLIC	3	1	0.75	2.25	3
<u>S-1</u>	SINK, KITCHEN, DOMESTIC	PUBLIC	1	1.5	1.125	1.125	1.5
<u>DW-1</u>	DISHWASHER, DOMESTIC	PRIVATE	1	1.5	1.125	1.125	1.5
<u>S-1</u>	SINK, SERVICE OR MOP BASIN	PRIVATE	1	1.5	1.125	1.125	1.5
				SUB TOTAL	_	5.625	15
				BUILDING 7	ΓΟΤΑL WSFU:	5.625	15
				S	SYSTEM TYPE:		Flush Tanks
				TOTAL	WSFU FLOW:	5.6 GPM	11.5 GPM
	FLOW AND	PRESSURE CALCULATION	NS			•	•
DESIGN FL	OW RATE						11.5 GPM
	SITE WATER SUPPLY DES	SIGN INFORMATION					
DAILY SITE	S SERVICE PRESSURE						60.0 PSIG
TOTAL EQ	UIVALENT PIPE LENGTH FROM METER TO POC 5 FEET FROM BUILDIN	IG					0.0 FT
MAIN SIZE	FROM WATER METER TO POC 5 FEET FROM BUILDING						1" IN
A) PRESSU	IRE LOSS FROM PIPING AT DESIGN FLOW RATE FROM WATER METER	R TO POC 5 FEET FROM BI	JILDING				0.0 PSIG
B) WATER	METER PRESSURE LOSS				1" METER		9.0 PSIG
TOTAL SIT	E LEVEL PRESSURE LOSS (A+B+C+D)						9.0 PSIG
	BUILDING WATER SUPPLY D	DESIGN INFORMATION					
TOTAL PIP	E LENGTH FROM POC 5 FEET FROM BUILDING TO MOST HYDRAULIC.	ALLY REMOTE FIXTURE					140.0 FT
TOTAL EQ	UIVALENT PIPE LENGTH FROM POC 5 FEET FROM BUILDING TO MOS	T HYDRAULICALLY REMO	TE FIXTURE	•			186.7 FT
DAILY SER	VICE PRESSURE AT POC 5 FEET FROM BUILDING (DAILY SITE SERVICE	PRESSURE - TOTAL SITE I	EVEL PRES	SURE LOSS)			51.0 PSIG
	ERVICE PRESSURE AT BUILDING			,			51.0 PSIG
REQUIRED	RESIDUAL PRESSURE AT FURTHEST UNIT/FIXTURE						25.0 PSIG
AVAILABLI	E PRESSURE FOR PIPING						26.0 PSIG
SERVICE N	1AIN NOMINAL PIPE SIZE						1" IN
2.	SIZED IN ACCORDANCE WITH CPC 2019, APPENDIX A. CONTRACTOR SHALL VERIFY SUPPLY PRESSURE, METER/BACKFLOW METER PRESSURE LOSS BASED ON 1" 'METER TYPE' AT DESIGN FLO		RT ANY DIS	CREPANCIES 1	ΓΟ ENGINEER.		

WATER SERVICE CALCULATIONS

MARK	FIXTURE GROUP	OCC. TYPE	QTY.	MIN TRAP SIZE	DFU EACH	TOT. DFU
	FLOOR/LEVEL	,				
<u>L-1</u>	LAVATORY, SINGLE	PUBLIC	3	1-1/4"	1	3
WC-1	WATER CLOSET, 1.6 GPF FLUSHOMETER TANK	PUBLIC	3	3"	4	12
MS-1	SINK SERVICE OR MOP BASIN	PRIVATE	1	2"	-	0
<u>S-1</u>	SINK KITCHEN, DOMESTIC	PRIVATE	1	1-1/2"	2	2
			SU	BTOTAL		17
			SITE W	ASTE TOTAL		17

Р	LUMBING SHEET KEY
SHEET NUMBER	DESCRIPTION
P00.10	PLUMBING - LEGEND, SCHEDULES, & NOTES
P03.01	PLUMBING - BASEMENT, LOWER AND UPPER LEVEL FLOOR PLANS
P08.01	PLUMBING - DETAILS

# LEGEND NOTES:

- A. ALL SYMBOLS MAY NOT BE USED IN THIS PROJECT.B. SYMBOLS DO NOT ALWAYS REPRESENT REAL LIFE DIMENSIONS.
- C. SEE BOOK SPECIFICATIONS FOR ADDITIONAL INFORMATION.

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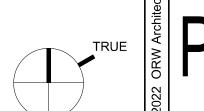


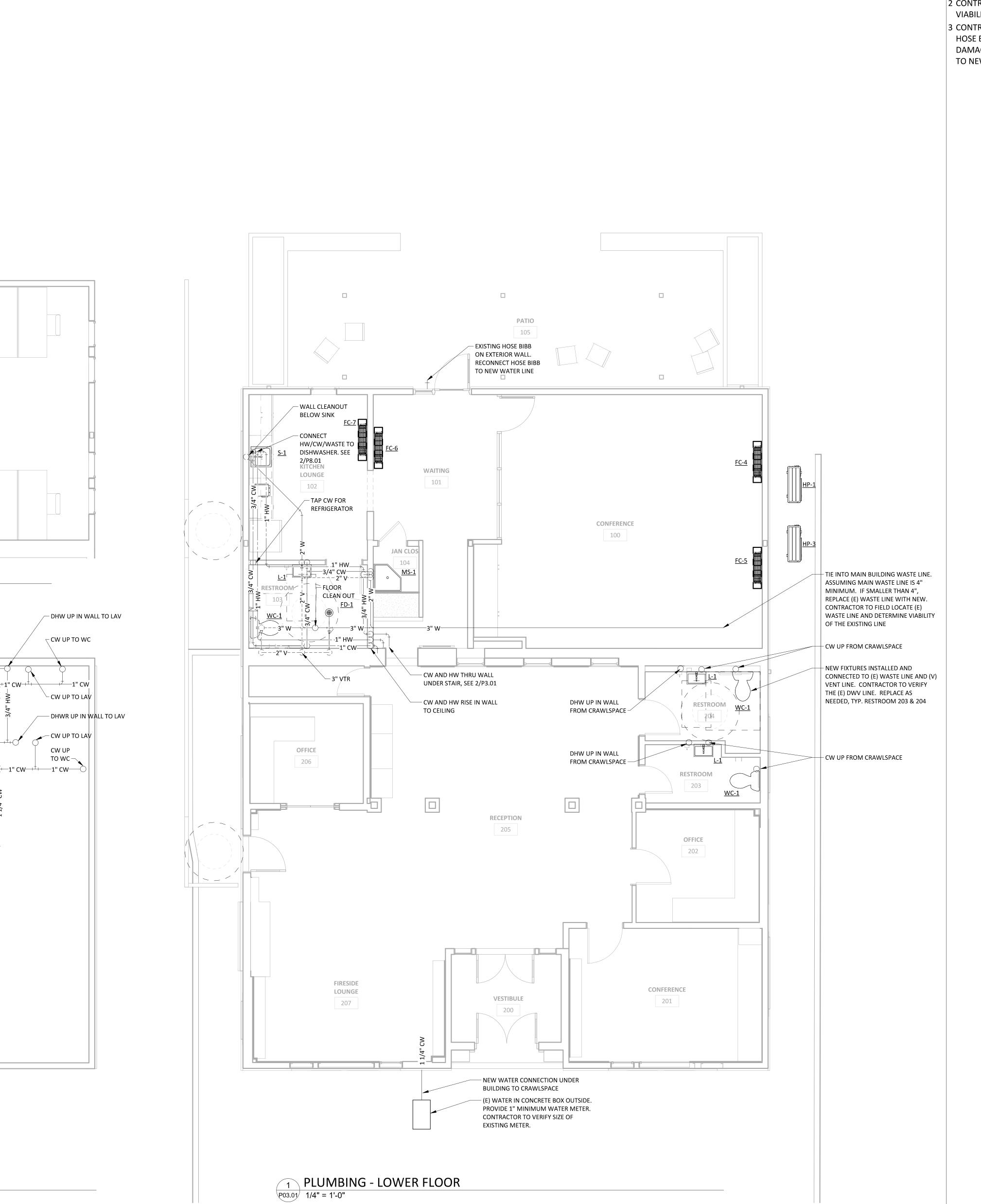
S, & NOTES

PROJECT: 20220412

DATE: 10/12/2022

No. Description Date





OPEN WORKSPACE

— CW AND HW THRU WALL UNDER STAIR, SEE 1/P3.01

PROVIDE DLINK DCH-S1621KT LEAK DETECTION SENSOR. CONNECT TO

WIFI NETWORK AND SETUP ALARMS

TO EMPLOYEE COMPUTERS IF

WATER IS DETECTED.

<u>FC-2</u>

STORAGE

ROOM

— (E) SPLIT SYSTEM FAN COIL, SEE MECHANICAL

**3** PLUMBING - BASEMENT

P03.01 1/4" = 1'-0"

PLUMBING - UPPER FLOOR
P03.01 1/4" = 1'-0"

<u>FC-1</u>

1 1/4" CW—

<sup>—</sup>3/4" HW<sup>—</sup>

−1 1/4" CW

**CRAWL SPACE** 

 NEW WATER CONNECTION UNDER BUILDING FROM (E) WATER BOX

CW AND HW STACKED VERTIALLY ALONG WALL BEHIND EQUIPMENT

\_ SEE DETAIL

1/P08.01

SHEET NOTES:

- 1 RUN CONDENSATE DIRECT TO THE OUTSIDE OR TO THE NEAREST FIXTURE WITH AN APPROVED AIR GAP FITTING. 3/4" MINIMUM CONDENSATE UP TO 20 TONS. 1" CONDENSATE UP TO 40 TONS.
- 2 CONTRACTOR TO FIELD LOCATE AND DETERMINE THE VIABILITY OF THE EXISTING WASTE LINE.
- 3 CONTRACTOR TO VERIFY THE FUNCTION OF EXISTING HOSE BIBB. CONTRACTOR TO REPLACE HOSE BIBB IF DAMAGED OR NOT FUNCTIONING. RECONNECT WATER TO NEW WATER LINE.

ARCHITECTURE WWW.ORWARCHITECTURE.COM 29 S GRAPE STREET MEDFORD OR 97501

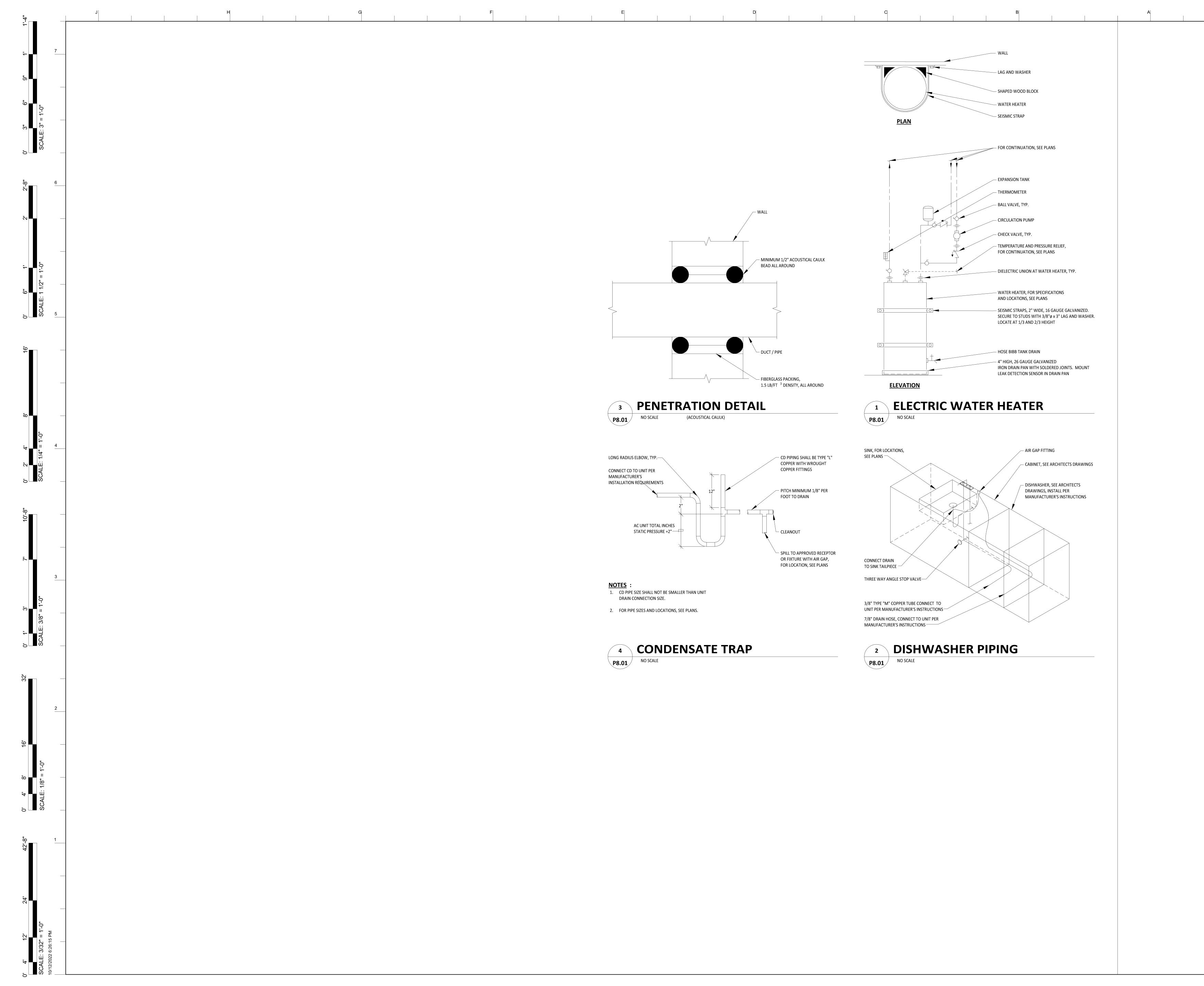


COLEB ENGINEERING

AXIOM ENGINEERS BEND | CORVALLIS MONTEREY | NAPA | SANTA CRUZ

BASEMENT,

20220412 10/12/2022 No. Description Date









or any other project or purpose without the express written authorization of OR

W MINER ST, YREKA, CA 96097

DJECT: 20220412
TE: 10/12/2022

Description Date

P08.01