COQUILLE SCHOOL DISTRICT BUS MAINTENANCE BUILDING

CODE SUMMARY

APPLICABLE CODES: 2022 Oregon Structural Specialty Code (2021 IBC)

CONSTRUCTION TYPES (Table 601): Type VB, non-sprinklered

BUILDING AREA (Gross Sq. Ft.): Main Floor: <u>Mezzanine:</u> Building Total:

3,773 sq. ft. <u>341 sq. ft.</u> 4,114 sq. ft.

OCCUPANCY CLASSIFICATIONS (Chapter 3): S-1 Bus Shop & Accessory Areas

Section 903.2.9.1 - Building does not meet requirements for repair garage to be sprinklered. B Offices, Classroom, & Accessory Areas

OCCUPANCY SEPARATION (Table 508.4):

B / S-1: No separation required 1 hr fire barrier required per section 406.8.6.2.

ALLOWABLE AREA & HEIGHT:

Using most restrictive provisions. Height (Table 504.3): Type VB, non-sprinklered, Occupancy B Allowable: 40 feet Actual: 30 feet: OK Stories (Table 504.4): B (offices): Allowable: 2 stories Actual: 1 story; OK S-1 (bus shop): Allowable: 1 stories

Actual: 1 story; OK Area (Table 506.2): Type VB, non-sprinklered, Occupancy B Allowable: 9,000 sq. ft Actual: 4,114 sq. ft.; OK

TRAVEL DISTANCE MAXIMUM (Table 1017.2):

B (offices): 200 ft., non-sprinklered; OK

S-1 (bus shop): 200 ft., non-sprinklered; OK

PLUMBING FIXTURES REQUIRED (Table 2902.1): Total occupant load: 48

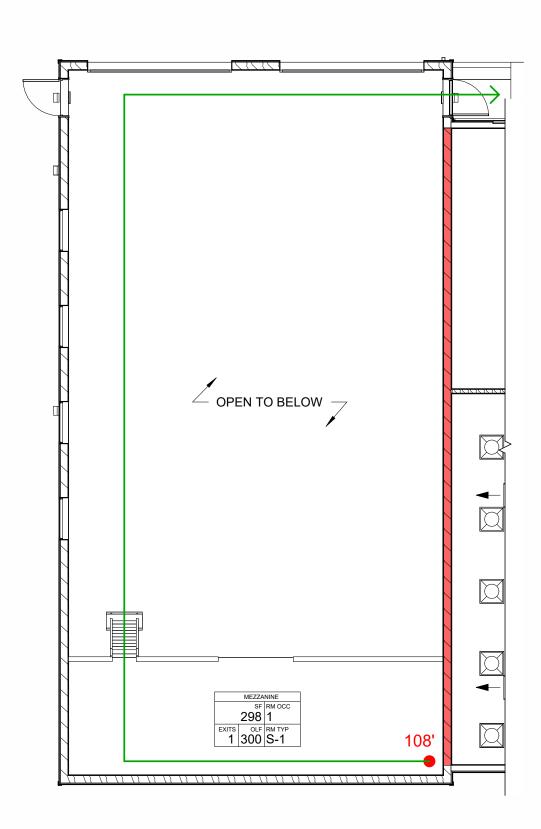
Required:

1 toilet per 25 for first 50, then 1 per 50; 2 total 1 lavatory per 40 for first 80, then 1 per 80; 2 total 1 drinking fountain required (storage)

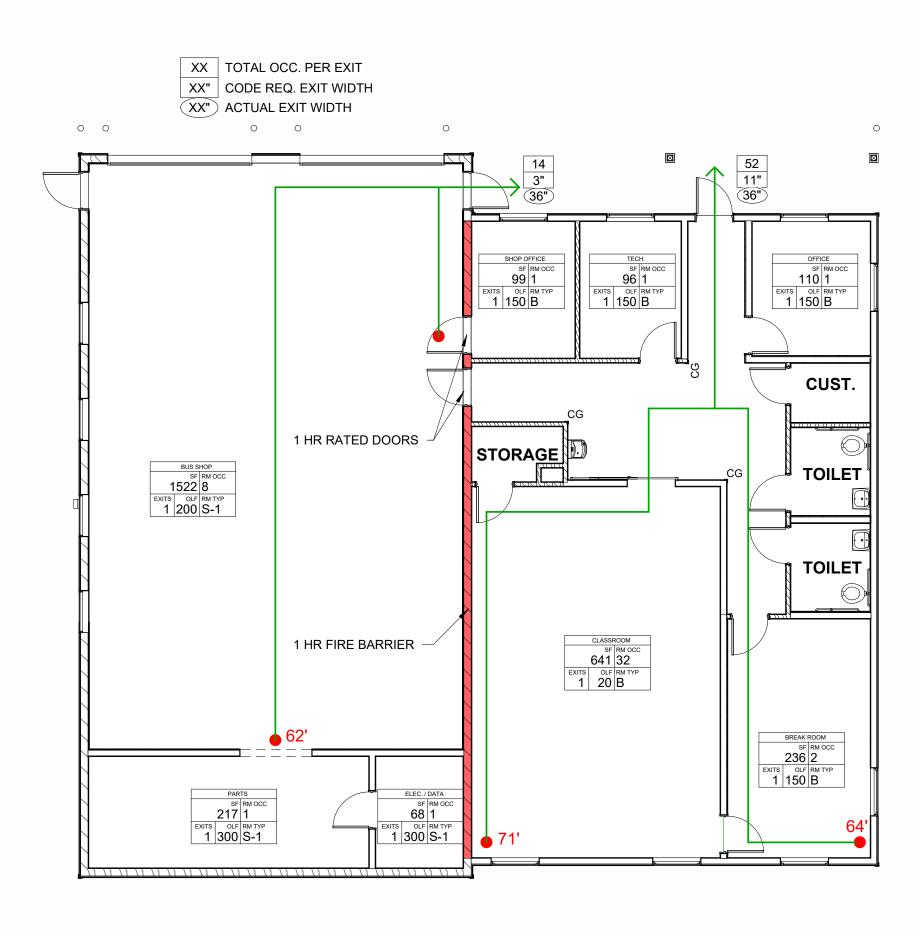
Actual: 2 toilets, 2 lavatories (single-user), 1 drinking fountain; OK



3D VIEW FROM SOUTHEAST









PROJECT TEAM

- ARCHITECT HGE ARCHITECTS, INC 333 S 4TH ST. COOS BAY, OR 97420 PHONE: (541) 269-1166 CONTACT: JÓE SLACK
- STRUCTURAL GRALUND ENGINEERING, INC. 1213 E FOREST DRIVE RIVERTON, WY 82501 PHONE: (307) 463-0431 CONTACT: MATTHEW GRALUND
- **MECHANICAL & PLUMBING** MFIA, INC. CONSULTING ENGINEERS 2007 SE ASH ST. PORTLAND, OR, 97214 PHONE: (503) 234-0548 CONTACT: TAKAKO BAKER
- ELECTRICAL DOUBLE E ENGINEERING 315 ASH ST. MYRTLE POINT, OR, 97458 PHONE: (541) 294-0587 CONTACT: GREG PRIDE

BASE BID & ALTERNATES

Base Bid: All construction related to a "sealed-to-the-weather" type scope of work for a total completed exterior and all interior rough framing complete only. Refer to SECTION 01-1000 SUMMARY for complete description of Base Bid Work.

Alternate 1: Plumbing, Mechanical/HVAC, and Electrical Rough-In. Alternate 2: Building Insulation.

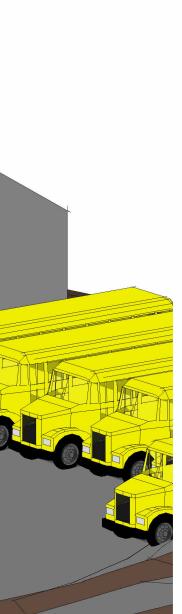
Alternate 3: Building Interior Finishes.

Alternate 4: Plumbing, Mechanical/HVAC, and Electrical Complete.

Refer to SECTION 01-2300 - ALTERNATES for complete description of Alternates.

It is the intent of the Owner to award Base Bid, and as many Alternates as budget allows. Upon the new budget year, July 2024, it is the intent to award the remaining Alternates through a change order process to complete the project.

OCCUPANCY SCHEDULE							
NO.	ROOM NAME	AREA	TYPE	OLF	OCC. LOAD	EXITS	
2	SHOP OFFICE	99 SF	В	150	1	1	
3	TECH.	96 SF	В	150	1	1	
4	OFFICE	110 SF	В	150	1	1	
8	BREAK ROOM	236 SF	В	150	2	1	
9	CLASSROOM	641 SF	В	20	32	1	
11	BUS SHOP	1522 SF	S-1	200	8	1	
12	PARTS	217 SF	S-1	300	1	1	
13	ELEC. / DATA	68 SF	S-1	300	1	1	
14	MEZZANINE	298 SF	S-1	300	1	1	
ΤΟΤΑΙ	OCCUPANTS:				48		







- GENERAL
- G0.0 COVER SHEET
- G0.1 GENERAL INFORMATION G1.1 EXISTING CONDITIONS PLAN
- ARCHITECTURAL
- A1.1 SITE PLAN
- A2.1 FLOOR PLANS
- A2.2 SLAB PLAN & DETAILS
- A2.3 REFLECTED CEILING & ROOF PLANS
- A3.1 BUILDING SECTIONS & DETAILS
- A3.2 BUILDING SECTIONS & DETAILS
- A4.1 BUILDING ELEVATIONS
- A4.2 BUILDING ELEVATIONS
- A5.1 OPENINGS DETAILS
- A6.1 INTERIOR ELEVATIONS & DETAILS
- A7.1 SCHEDULES

STRUCTURAL

- S1.1 STRUCTURAL COVER SHEET
- S1.2 STRUCTURAL GENERAL NOTES
- S2.1 FOUNDATION PLAN
- S2.1W FIRST FLOOR SHEAR WALL AND POST PLAN
- S2.2 SECOND FLOOR LOWER ROOF FRAMING PLAN
- S2.2W SECOND FLOOR SHEAR WALL AND POST PLAN
- S2.3 ROOF FRAMING PLAN
- S4.1 FOUNDATION DETAILS
- S4.2 FOUNDATION DETAILS
- S6.1 FRAMING DETAILS
- S7.1 LATERAL DETAILS AND SCHEDULES

PLUMBING

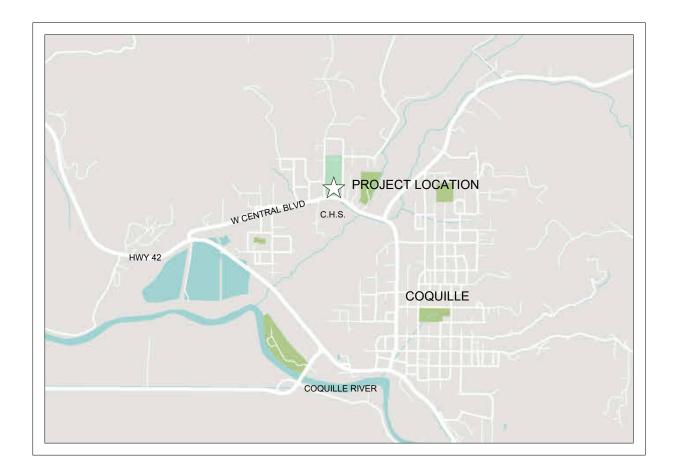
- P0.1 PLUMBING SCHEDULES AND DETAILS
- P1.1 PLUMBING UNDERSLAB PLAN
- P1.2 PLUMBING FLOOR PLANS
- P1.3 PLUMBING ROOF PLAN

MECHANICAL

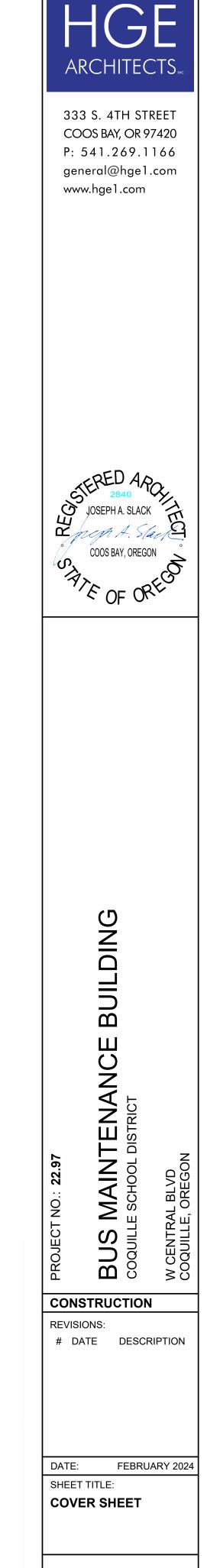
- M1.1 MECHANICAL COVER SHEET AND NOTES
- M2.1 MECHANICAL FLOOR PLANS
- M3.1 MECHANICAL PIPING FLOOR PLAN
- M4.1 MECHANICAL SCHEDULES AND DETAILS
- M5.1 MECHANICAL DETAILS

ELECTRICAL

- E1.0 ELECTRICAL SYMBOLS & 1-LINE DIAGRAM
- E1.1 ELECTRICAL PLAN UNDERSLAB
- E2.0 ELECTRICAL PLAN LIGHTING
- E3.0 ELECTRICAL PLAN POWER & SIGNAL







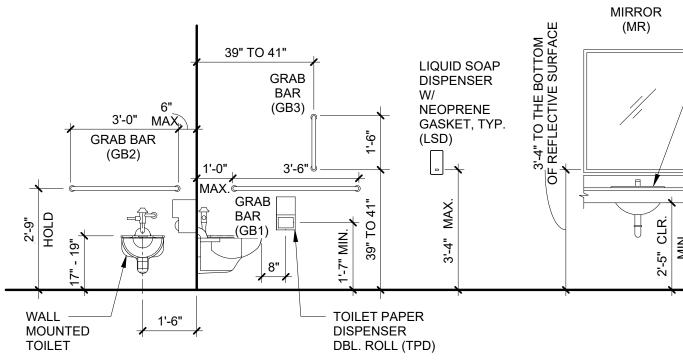
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HGE ARCHITECTS, Inc.

@ AB AC ACC ACT AD ADD ADJ AFF AHU AL ALT AP PROX ARCH ASPH	ANGLE AT ANCHOR BOLT ACOUSTIC ACCESS ACOUSTIC CEILING TILE ACOUSTIC CEILING PANEL AREA DRAIN ADDITIONAL ADJUSTABLE ABOVE FINISH FLOOR AIR HANDLING UNIT ALUMINUM ALTERNATE ACCESS PANEL APPROXIMATE ARCHITECTURAL ASPHALT
BB BD BF BFC BG BIT BLDG BLKG BLKT BM BLK BOT BRG BRKR BRK BRKT BS BSMT BTWN	BOND BEAM BOARD BOTH FACES BELOW FINISH CEILING BUMPER GUARD BITUMINOUS BUILDING BLOCKING BLANKET BEAM/BENCH MARK BLOCK BOTTOM BEARING BREAKER BRICK BRACKET BACK SPLASH BASEMENT BETWEEN
CAB CER CFCI CG CH CIP CJ JOINT CLG CLO CLR COL CONB CMU CONF CONF CONST CONT CONTR CORR CPT CR CSG CT CTSK CUH CW	CABINET CERAMIC CONTRACTOR FURNISHED, CONTRACTOR INSTALLED CORNER GUARD COAT HOOK CAST IN PLACE CONTROL JOINT/CONSTRUCTION CEILING CLOSET/CLOSURE CLEAR COLUMN COMBINATION CONCRETE MASONRY UNIT CONCRETE CONFERENCE CONNECTION/CONNECT CONSTRUCTION CONTINUOUS CONTRACTOR CORRIDOR CARPET COAT RACK/CURTAIN ROD CASING CERAMIC TILE CENTER/COUNTER COUNTERSUNK CABINET UNIT HEATER COLD WATER
D DBL DET DF DIA DIAG DIM DIR DIV DM DIV DM DN DO DR DR DR DR DR DR DR DR DR DR DS DWG DWL DWS	DEPTH DOUBLE DETAIL DRINKING FOUNTAIN DIAMETER DIAGONAL DIMENSION DIRECTION DIVISION DE-MOUNTABLE PARTITION DOWN DITTO DOOR DRAWER DOWNSPOUT DRAWING DOWEL DEFORMED WELDED STUD
EA EC EF EH HOOD EJ EL ELEC EMBED EMER ENT EQ EMER ENT EQUIP ES ESR ETR EVC EW EWC EXC EXP EXPD EXPF EXT	EACH ELECTRICAL CONTRACTOR EACH FACE ELECTRICAL HEATER/EXHAUST EXPANSION JOINT ELEVATION ELECTRICAL ELEVATOR/ELEVATION EMBEDDED EMERGENCY ENTRANCE EQUAL EQUIPMENT EMERGENCY SHOWER ELASTOMERIC SHEET ROOFING (E) TO REMAIN ELASTIC VINYL COATING EACH WAY ELECTRIC WATER COOLER EXCAVATE EXPANSION EXPOSED EXPLOSION PROOF EXTERIOR

ABBREVIATIONS

FA FV FD FDN	FIELD ADJUSTABLE FIELD VERIFY FLOOR DRAIN FOUNDATION	NA NIC NO NOM	NOT APPLICABLE NOT IN CONTRACT NUMBER NOMINAL	T & B TB TBR TCP	TOP AND BO TACKBOARD TO BE REMO THIN COAT F
FE	FIRE EXTINGUISHER	NS	NON-SHRINK	TD	TOWEL DISP
FEC FHC	FIRE EXTINGUISHER CABINET FIRE HOSE CABINET	NTS NWC	NOT TO SCALE NORMAL WEIGHT CONCRETE	TDW TEMP	TOWEL DISF
FIN FIX	FINISH FIXTURE			TER TEX	TERRAZZO TEXTURE
FLEX	FLEXIBLE	OA	OVERALL	TFC	TROWELED
FLR FLRG	FLOOR FLOORING	OC OD	ON CENTER OUTSIDE DIAMETER/OVERFLOW DRAIN	T & G THK	TONGUE AN THICK
FOS FP	FACE OF STUD FIREPROOF/FIRE PROTECTION	OFF OPNG	OFFICE OPENING	TOB TOC	TOP OF BEA TOP OF CUR
FR	FIRE RETARDANT	OPP	OPPOSITE	TOD	TOP OF DEC
FS FT	FULL SIZE/FULL SCALE FEET	OZ	OUNCE	TOF TOG	TOP OF FOC TOP OF GRA
FTG FURG	FOOTING FURRING	PART	PARTITION	TOJ TOP	TOP OF JOIS
TUNG		PC	PIECE	TOS	TOP OF SLA
GA	GAUGE	PCC PCPL	PRECAST CONCRETE PORTLAND CEMENT PLASTER	TOW TPG	TOP OF WAL TOPPING
GAL GALV	GALLON GALVANIZED	PDWR PH	PAPER TOWEL DISPENSER & WASTE RECEPTACLE PHILLIPS HEAD/PHASE	TPH TRAN	TOILET PAPE TRANSOM
GB	GRAB BAR	PL	PLATE/PROPERTY LINE	TRANS	TRANSVERS
GC GEN	GENERAL CONTRACTOR GENERAL	PLAM PLAS	PLASTIC LAMINATE PLASTER	TS TWS	TUBE STEEL
GFCI GFGI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED GOVERNMENT FURNISHED, GOVERNMENT INSTALLED	PLBG PLYWD	PLUMBING PLYWOOD	TYP	TYPICAL
GFRC	GLASS FIBER REINFORCED CONCRETE	PM	PROTECTED METAL	UG	UNDERGRO
GFRG GL	GLASS FIBER REINFORCED GYPSUM GLASS	PNL PNLG	PANEL PANELING	UNO UR	UNLESS NO
GLB GMU	GLUE LAM BEAM GLAZED MASONRY UNIT	POL PR	POLISHED PAIR		
GWB	GYPSUM WALL BOARD	PRE FAB	PREFABRICATED	V	VINYL VINYL BASE
GYP	GYPSUM	PRE FIN PSF	PRE-FINISHED POUNDS PER SQUARE FOOT	VB VCT	VINYL COMF
н	HEIGHT	PSI PT	POUNDS PER SQUARE INCH POINT/PAINT	VERT VEST	VERTICAL VESTIBULE
HDBD	HARDBOARD	PTM PVC	PAINT TO MATCH	VOL	VOLUME
HDCP HDWD	HANDICAPPED HARDWOOD		POLYVINYL CHLORIDE	VVVC	VINYL WALL
HDWE HK	HARDWARE HOOK	QT QTY	QUARRY TILE QUANTITY	W	WIDE FLANG
HM HP	HOLLOW METAL HIGH POINT			W/ WAF	WITH WELDED AN
HR	HANDRAIL	RAD	RADIUS	WC	WATER CLO
HT HVAC	HEIGHT HEATING VENTILATION AND AIR CONDITIONING	RAH RB	ROOFTOP AIR HANDLING UNIT RUBBER BASE	WD WDW	WOOD WINDOW
HWS	HEAD WELDED STUDS	RC RCP	REINFORCED CONCRETE RADIANT CEILING PANEL	WF WG	WIDE FLANG WIRE GLASS
			/ REFLECTED CEILING PLAN	W/O	WITHOUT
ID IMP	INSIDE DIAMETER INSULATED METAL PANEL	RD REC	ROOF DRAIN RECESSED	WP WPFG	WEATHERPF
IN INFO	INCHES INFORMATION	REF REINF	REFERENCE REINFORCING	WR WRB	WASTE REC WEATHER R
INSUL INT	INSULATION INTERIOR	REL	RELOCATE REMAINDER	WSCT WSTP	WAINSCOT WEATHERST
IPW	INSULATED PLENUM WALL	REQD	REQUIRED	WTR	WATER
IRF	INSULATED ROOF FILL	RES RET	RESILIENT RETURN	WWF	WELDED WI
JAN	JANITOR	RI RM	ROUGH IN ROOM	х	(E)
JS	JANITOR SINK JOIST	RO RT	ROUGH OPENING RUBBER TILE		(-)
JST JT	JOINT	RUB	RUBBER		
KD KO	KNOCKED DOWN KNOCK-OUT / KNEE OPENING	SAMF	SELF ADHESIVE MEMBRANE FLASHING		
RO		SAT	STANDARD AGGREGATE TOPPING		
L	LENGTH	SAWRB SB	SELF ADHESIVE WEATHER RESTISTANT BARRIER SOIL BEARING		
LAB LAM	LABORATORY LAMINATED	SC SCF	SEAMLESS COATING SPECIAL CONCRETE FINISH		
LB	POUND	SCHD	SCHEDULE		
LBS LD	POUNDS LINEAR DIFFUSER	SD SE	SOAP DISPENSER SHELF EDGE		
LDG LF	LANDING LINEAR FOOT	SECT SF	SECTION SAND FLOAT		
LG LGT	LONG LIGHT	SG SGL	SUPPLY AIR GRILLE SINGLE		
LKR	LOCKER	SH	SHELF		
LLH LLV	LONG LEG HORIZONTAL LONG LEG VERTICAL	SHD SHT	SHOWER DOOR SHEET		
LONG	LONGITUDINAL LOW POINT	SIM SJ	SIMILAR STEEL JOIST		
LSH	LONG SLOTTED HOLE	SLV	SHORT LEG VERTICAL		
LTG LVR	LIGHTING LOUVER	SM SND	SMOOTH SANITARY NAPKIN DISPENSER		
LWC	LIGHTWEIGHT CONCRETE	SNV SOG	SANITARY NAPKIN VENDER SLAB ON GRADE		
	MACHINE	SPEC	SPECIFICATION		
MACH MAN	MACHINE MANUAL	SPR SQ	SPRINKLER SQUARE		
MAR MAS	MARBLE MASONRY	SR SS	SHOWER ROD STAINLESS STEEL		
MATL MAX	MATERIAL MAXIMUM	ST STD	STREET STANDARD		
MB	MACHINE BOLT	STL	STEEL		
MBW MC	MASONRY BEARING WALL MECHANICAL CONTRACTOR	STO STRU	STORAGE STRUCTURAL/STRUCTURE		
MDO MECH	MEDIUM DENSITY OVERLAY MECHANICAL	SUSP SV	SUSPENDED SHEET VINYL		
MEMB	MEMBRANE	SYM	SYMMETRICAL		
MET MEZZ	METAL MEZZANINE				_
MFR MIN	MANUFACTURER MINIMUM		ABBREVIATIONS ABOVE ARE FOR ARCHITECTURA	L SHEETS ONLY	′ .
MIR MISC	MIRROR MISCELLANEOUS				F J
MK	MARK				
ML MLDG	METAL LATH MOLDING				
MO MP	MASONRY OPENING METAL PARTITION				
MS	MACHINE SCREW MOUNTED				
MTD MTG	MOUNTED MOUNTING				MIRROR (MR)
			39" TO 41"		\···· ·/
				řκ ∥	



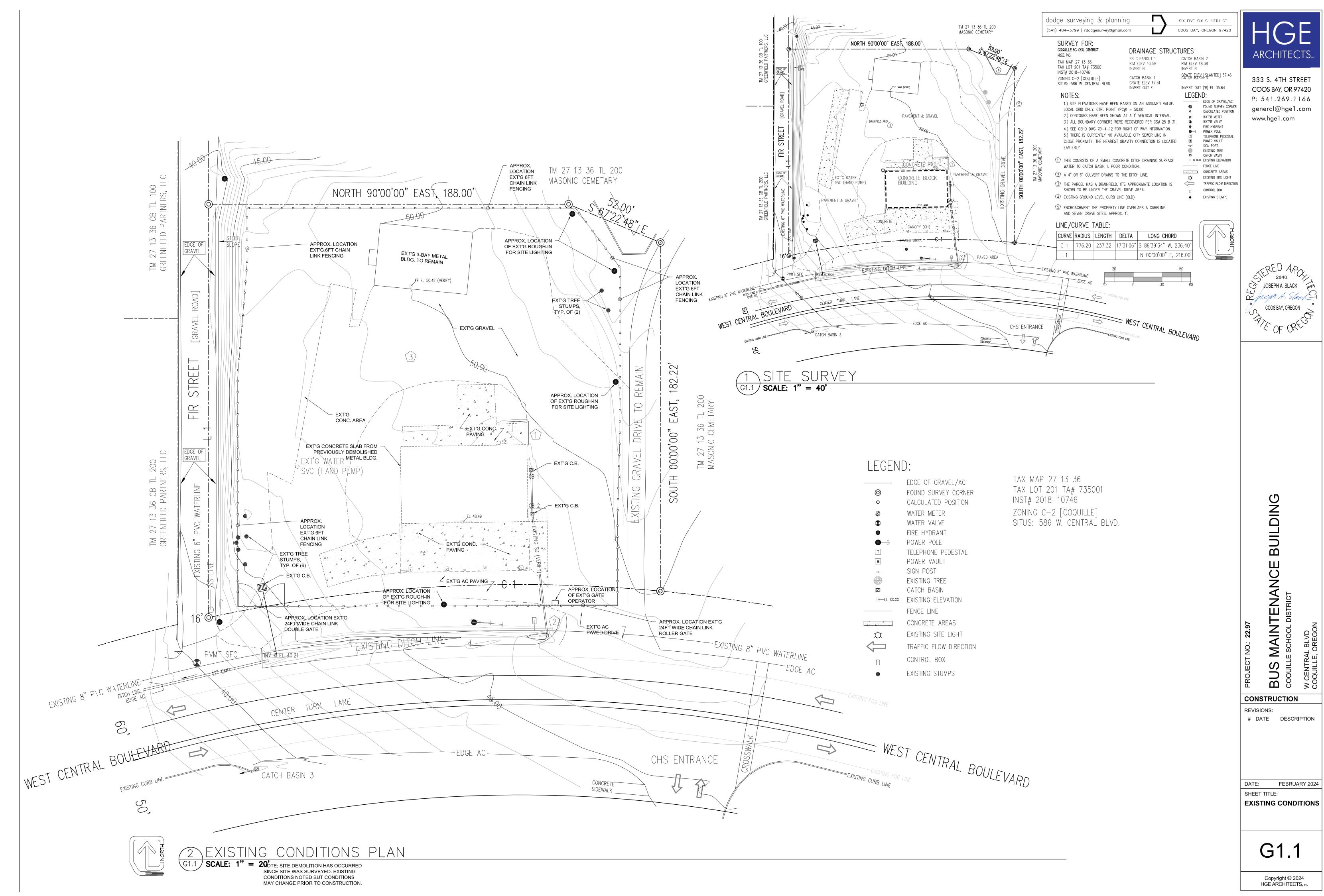
FIXTURE AND ACCESSORY MOUNTING DIAGRAMS 3/8" = 1'-0"

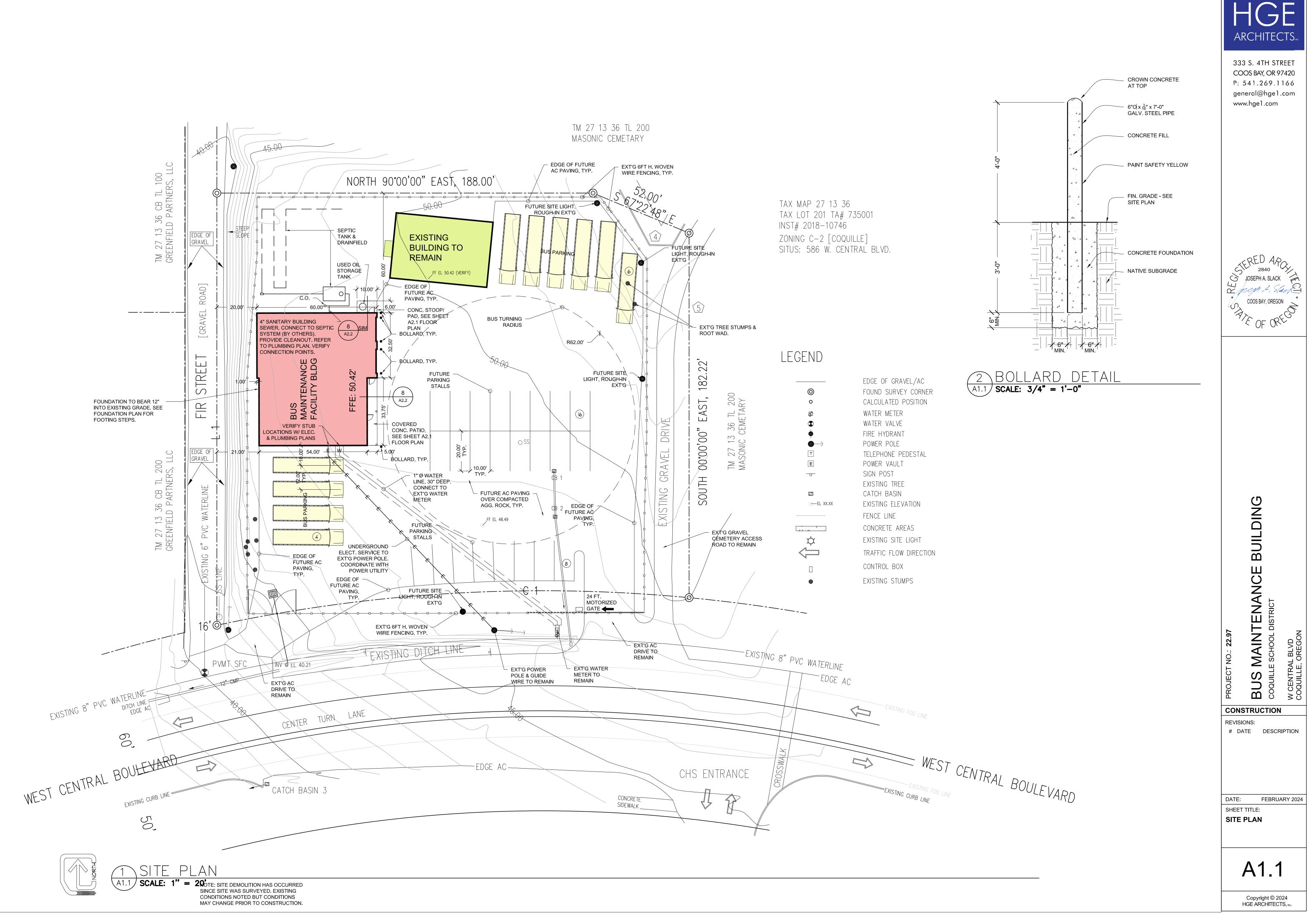
	LEGEND -	PLAN SYMBOLS	
D BOTTOM DARD/TOWEL BAR REMOVED DAT PLASTER DISPENSER	A-101	BUILDING SECTION SYMBOL	ARCHITECTS
DISPENSER AND WASTE RATURE/TEMPERED ZZO	1 A-101	WALL SECTION SYMBOL	333 S. 4TH STREET
RE LED FLOOR COVERING E AND GROOVE	1 A-101	DETAIL SYMBOL	COOS BAY, OR 97420 P: 541.269.1166 general@hge1.com
BEAM CURB/TOP OF CONCRETE DECK/TOP OF DUCT ELEVATION FOOTING GRATE JOIST		ENLARGED PLAN SYMBOL	www.hgel.com
PIPE ELEVATION SLAB/TOP OF STEEL WALL	A-201 1	EXTERIOR ELEVATION SYMBOL	
G PAPER HOLDER DM /ERSE TEEL	A-211 1	INTERIOR ELEVATION SYMBOL	
DED WELDED STUD L	$\langle 4.XXX \rangle$	KEYED NOTE IDENTIFICATION	
GROUND S NOTED OTHERWISE	ROOM NAME	ROOM NAME AND NUMBER	
		WALL TYPE IDENTIFICATION	
CASE COMPOSITION TILE AL	W?>	WINDOW IDENTIFICATION	
ULE E VALL COVERING	101A	DOOR IDENTIFICATION	ETERED APQ
LANGE STEEL BEAM		1 HOUR FIRE RATED WALL	JOSEPHA. SLACK
D ANGLE FRAME CLOSET	F.E. 🖙	FIRE EXTINGUISHER - SURFACE MOUNT	COOS BAY, OREGON
N LANGE LASS	F.E.C.	FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER - SEMI-RECESSED	FIF OF ORES
JT ERPROOF PROOFING	FD 🖸	FLOOR DRAIN	
RECEPTACLE ER RESTISTANT BARRIER COT	A100	(E) GRID LINES	
ERSTRIP D WIRE FABRIC	A100	NEW GRID LINES	
	• XXX X' - X"	LEVEL OR SPOT ELEVATIONS	
	(10'-10") (ACP-X)	CEILING HEIGHT & FINISH	
	PREFERRED 4" MIN. A. DOORS SHOWN ADJ/ FIXED OBSTRUCTION	DIES - DIM. PLANS	PROJECT NO.: 22.97 BUS MAINTENANCE BUILDING COQUILLE SCHOOL DISTRICT W CENTRAL BLVD COQUILLE, OREGON
NIM NIM NIM NIM NIM NIM NIM NIM	PAPER TOWEL DISP. (PTD1)	FIRE FIRE EXTINGUISHER EXTINGUISHER (FE) CABINET (FEC) SEAT COVER (SCD)	CONSTRUCTION REVISIONS: # DATE DESCRIPTION DATE: FEBRUARY 2024 SHEET TITLE: GENERAL INFORMATION
	SEE SPECIFICAT	LIONS	

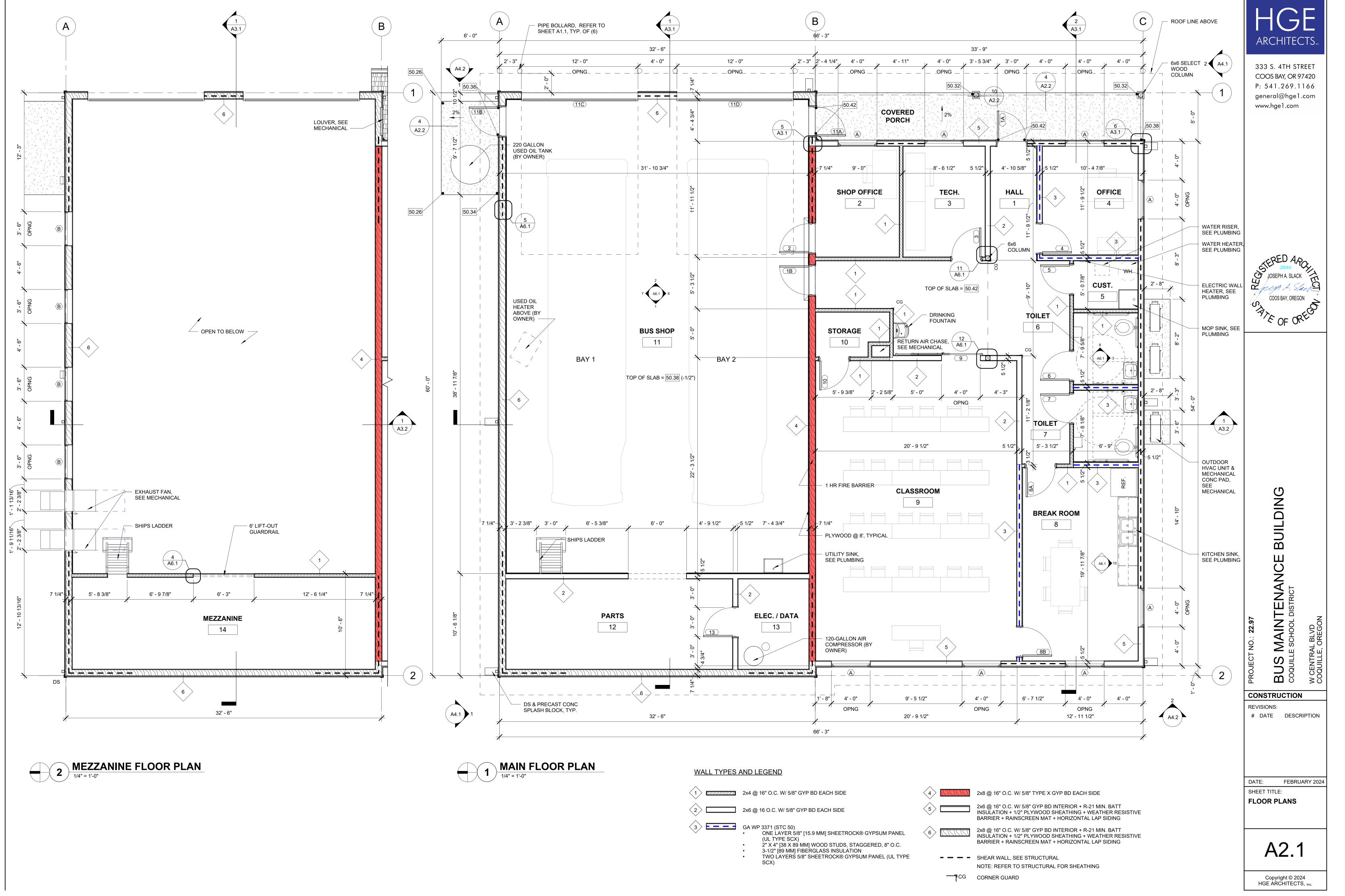
SEE SPECIFICATIONS FOR MODEL NUMBERS AND MOUNTING HEIGHTS

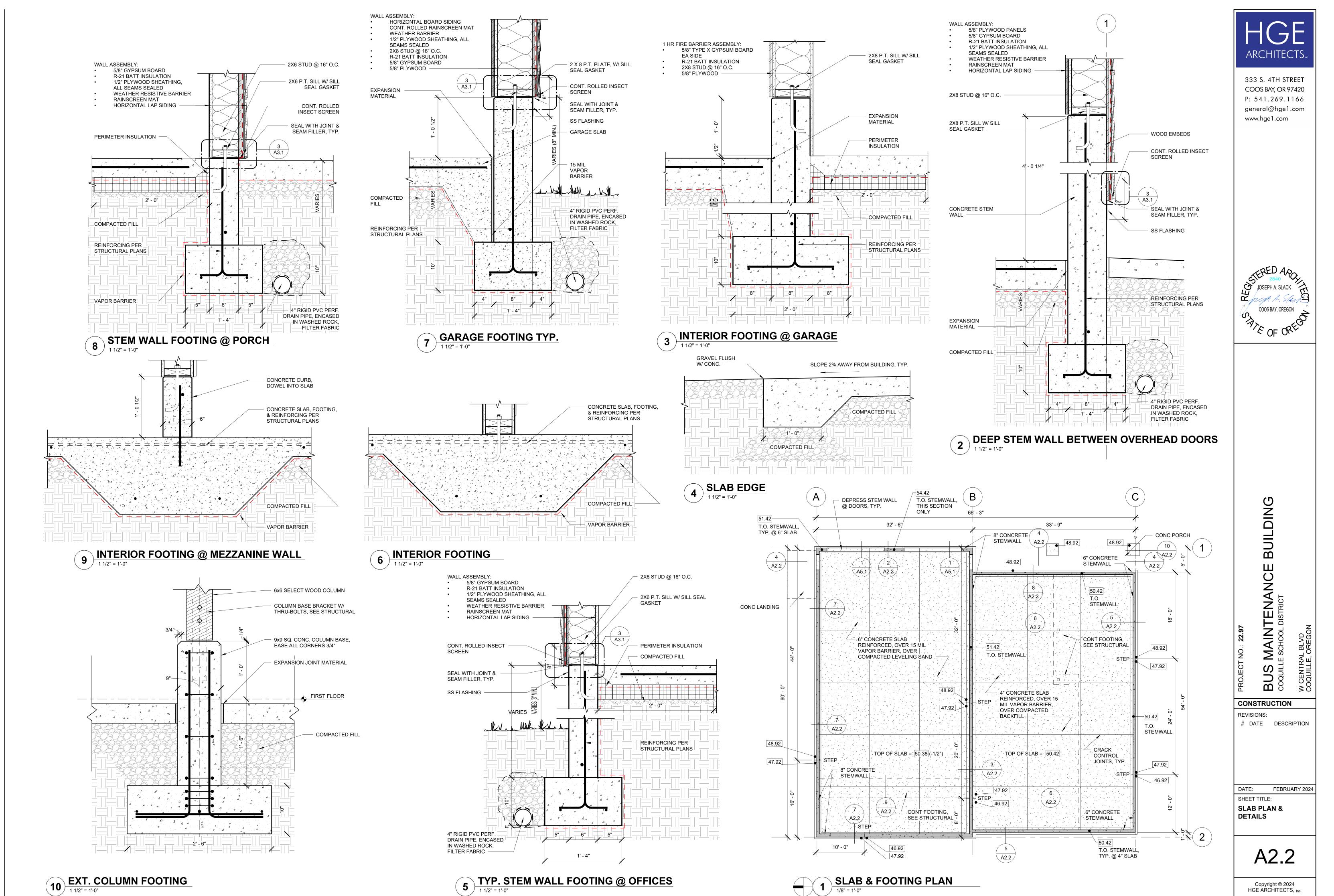
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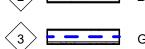


WALL TYPES AND LEGEND

• •



2x6 @ 16 O.C. W/ 5/8" GYP BD EACH SIDE



GA WP 3371 (STC 50) ONE LAYER 5/8" [15.9 MM] SHEETROCK® GYPSUM PANEL

(UL TYPE SCX)

2" X 4" [38 X 89 MM] WOOD STUDS, STAGGERED, 8" O.C. 3-1/2" [89 MM] FIBERGLASS INSULATION TWO LAYERS 5/8" SHEETROCK® GYPSUM PANEL (UL TYPE SCX)



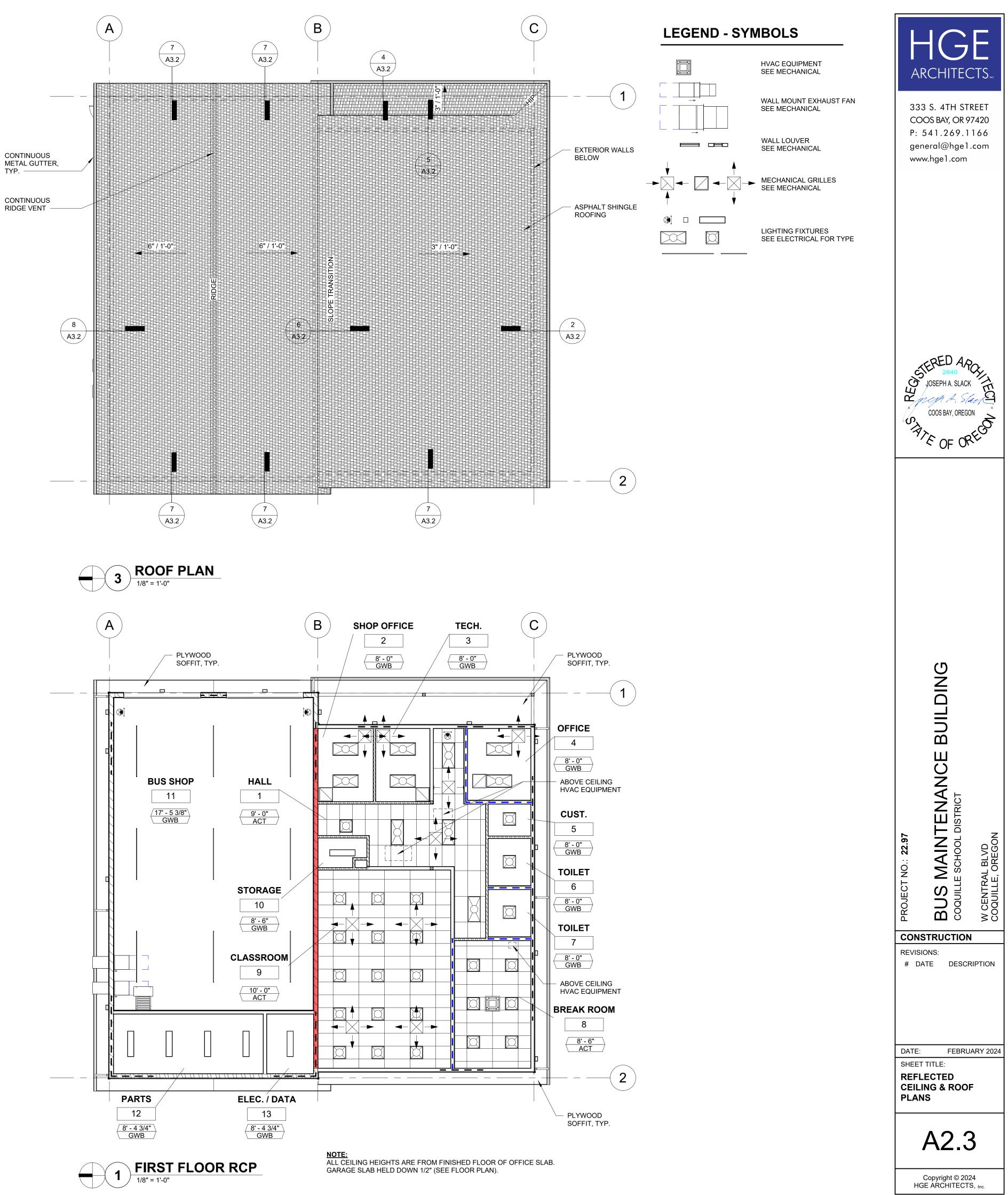
 $\langle 4 \rangle$

 $\langle 5 \rangle$

 $\langle 6 \rangle$

2x8 @ 16" O.C. W/ 5/8" GYP BD INTERIOR + R-21 MIN. BATT INSULATION + 1/2" PLYWOOD SHEATHING + WEATHER RESISTIVE BARRIER + RAINSCREEN MAT + HORIZONTAL LAP SIDING

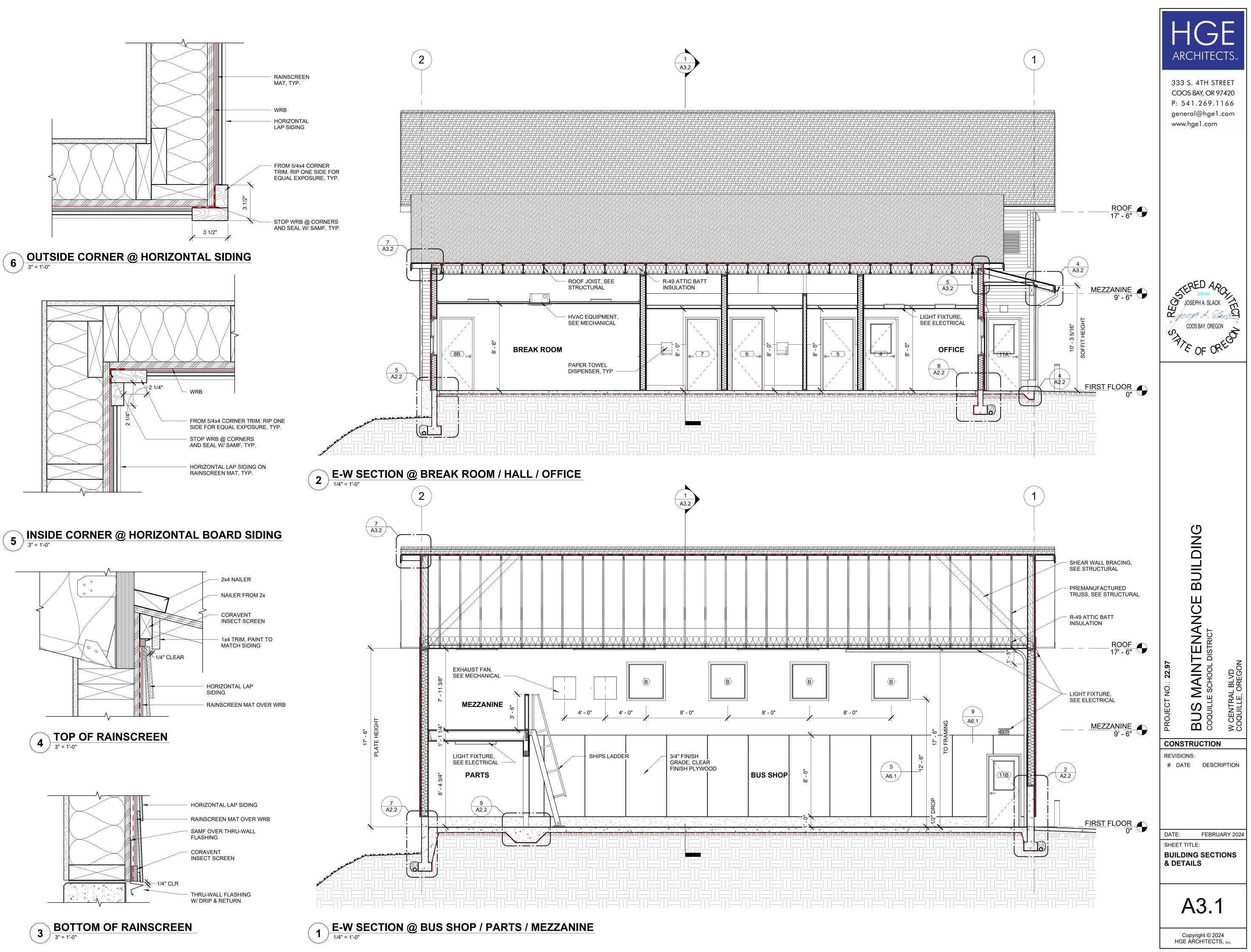
CG CORNER GUARD



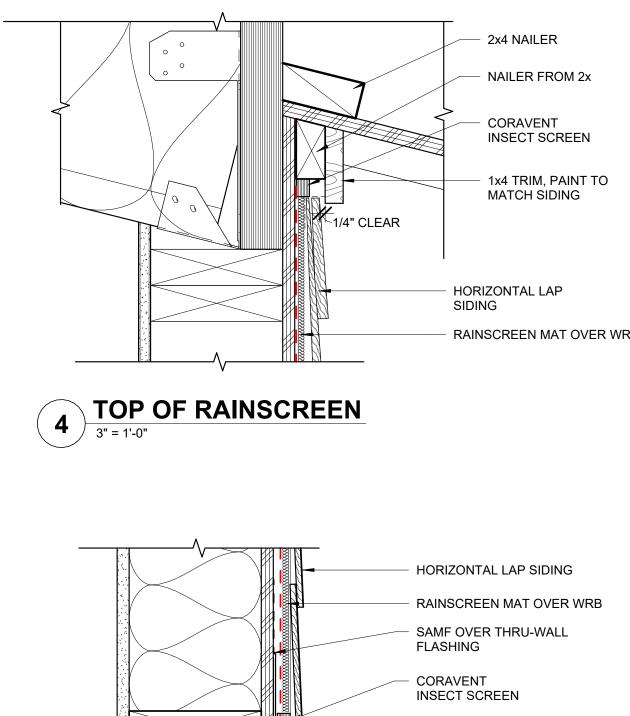
2x8 @ 16" O.C. W/ 5/8" TYPE X GYP BD EACH SIDE

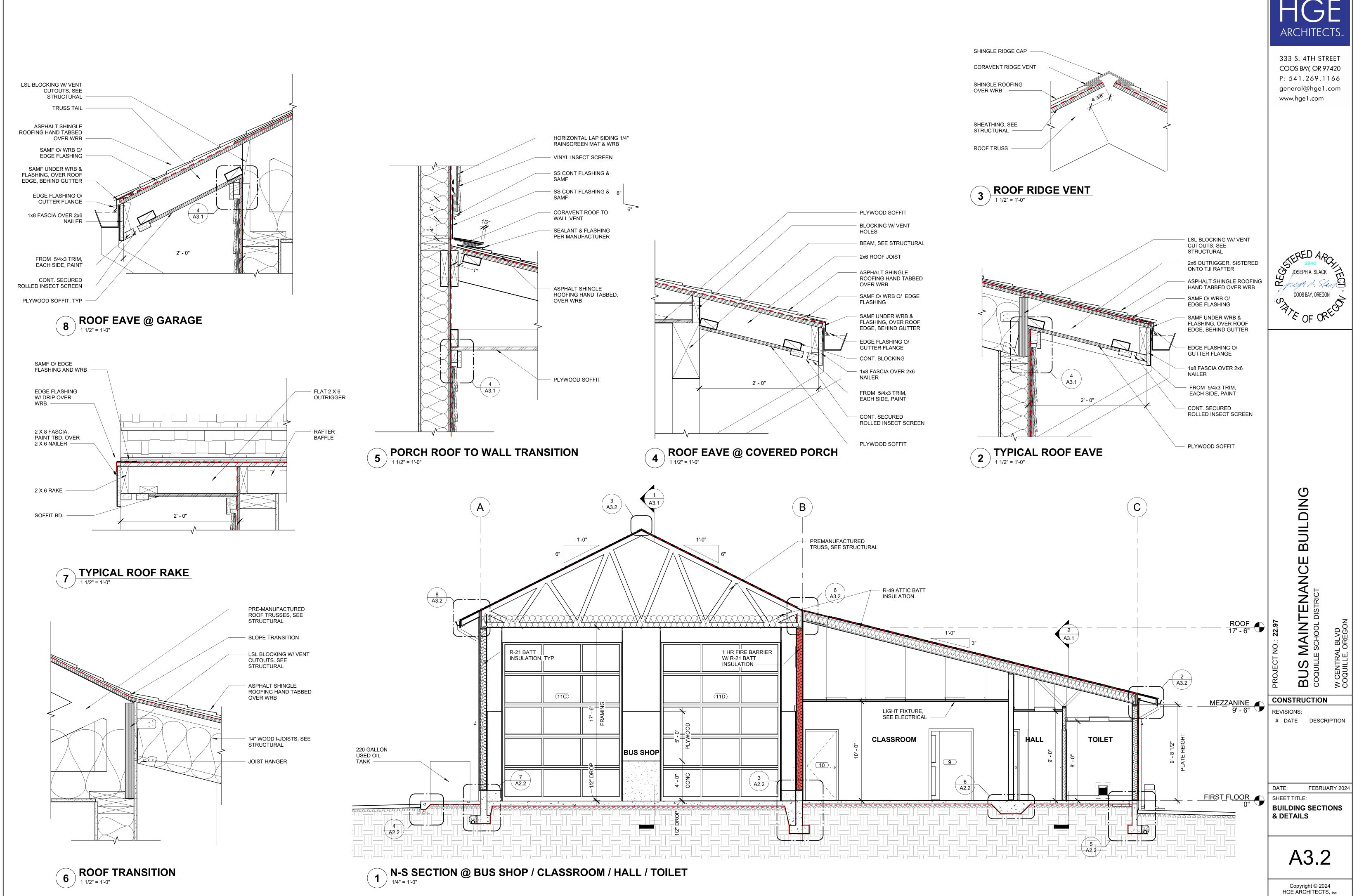
2x6 @ 16" O.C. W/ 5/8" GYP BD INTERIOR + R-21 MIN. BATT INSULATION + 1/2" PLYWOOD SHEATHING + WEATHER RESISTIVE BARRIER + RAINSCREEN MAT + HORIZONTAL LAP SIDING

– – – SHEAR WALL, SEE STRUCTURAL NOTE: REFER TO STRUCTURAL FOR SHEATHING









ROOF RIDGE VENT -----

ASPHALT COMPOSITE SHINGLE ROOFING, TYP. SLOPE TRANSITION METAL ROOF GUTTERS —— LIGHT FIXTURE, SEE ELECTRICAL METAL ROOF DS TYP — HORIZONTAL LAP SIDING -CONCRETE STEM WALL — CONCRETE SPLASH BLOCK,

2 SOUTH ELEVATION 1/4" = 1'-0"

ТҮР. ——

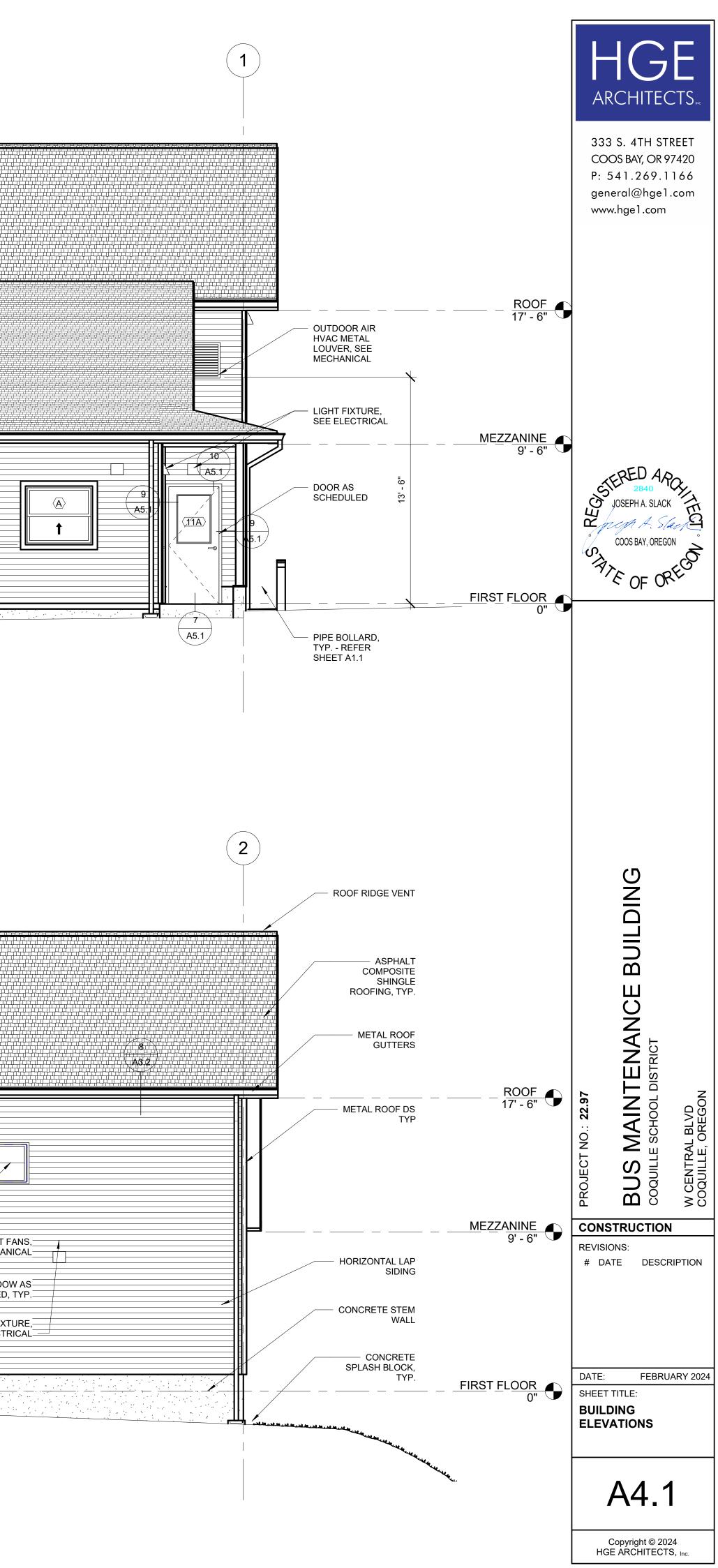
DOOR AS SCHEDULED -

PIPE BOLLARD, TYP. - REFER SHEET A1.1



2		1 A3.2	
	13 WINDOW AS A5.1 SCHEDULED Image: Constraint of the second seco		

		1 A3.2
DR AS	A5.1 A5.1 B 12 A5.1 B B B B B B B B	
ULED -	220 GALLON USED OIL TANK, BY OWNER	io → WINDC SCHEDULED LIGHT FIX SEE ELECT
_ARD, EFER ΓA1.1 −	A5.1	



ASPHALT COMPOSITE SHINGLE ROOFING, TYP.

METAL ROOF GUTTERS ——

EXHAUST FAN, SEE MECHANICAL

METAL ROOF DS

Horizontal Lap Siding

CONCRETE STEM WALL -

220 GALLON USED OIL TANK (BY OWNER) -----

ASPHALT COMPOSITE SHINGLE ROOFING, TYP.

METAL ROOF GUTTERS ——

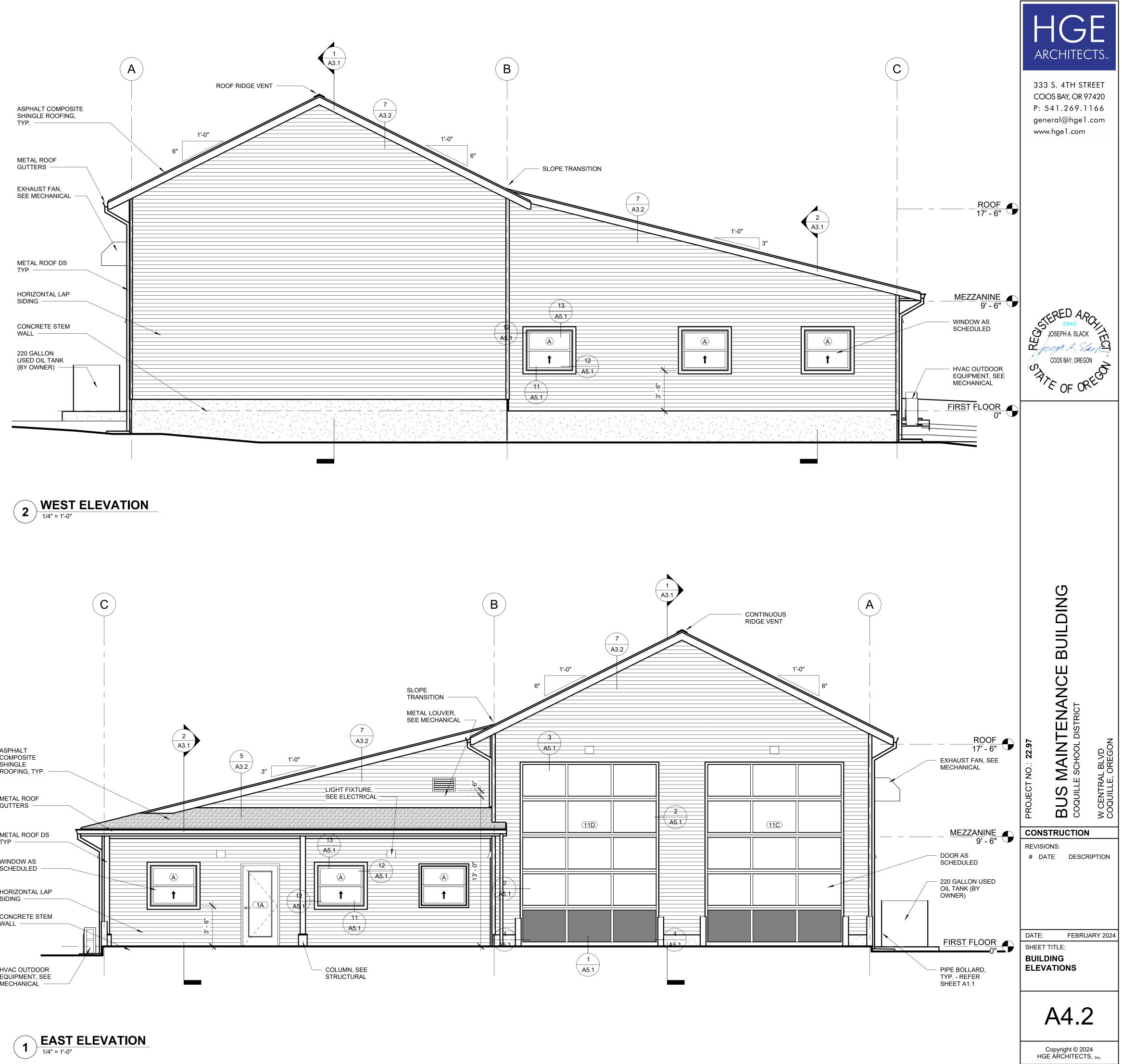
METAL ROOF DS

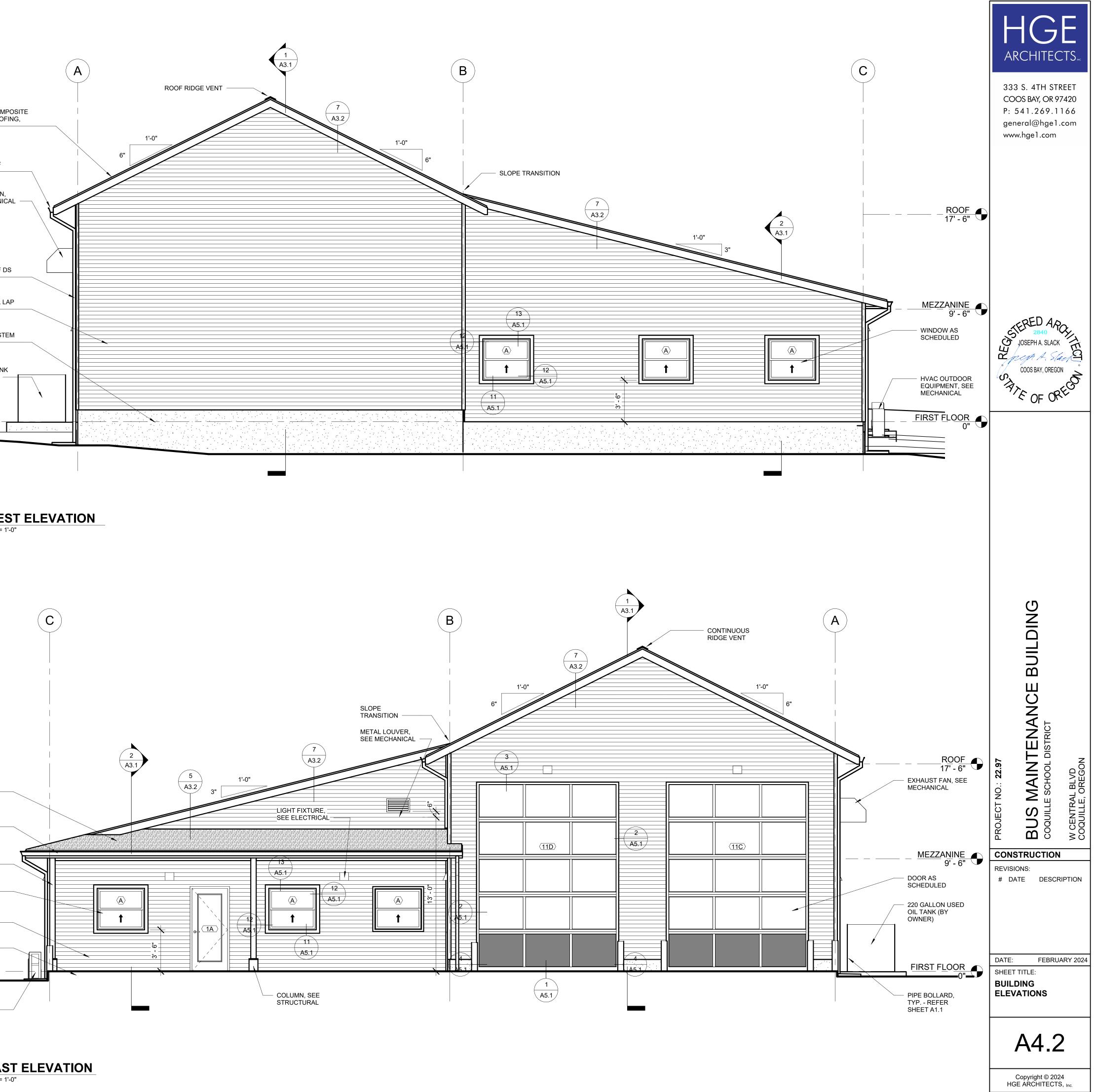
WINDOW AS

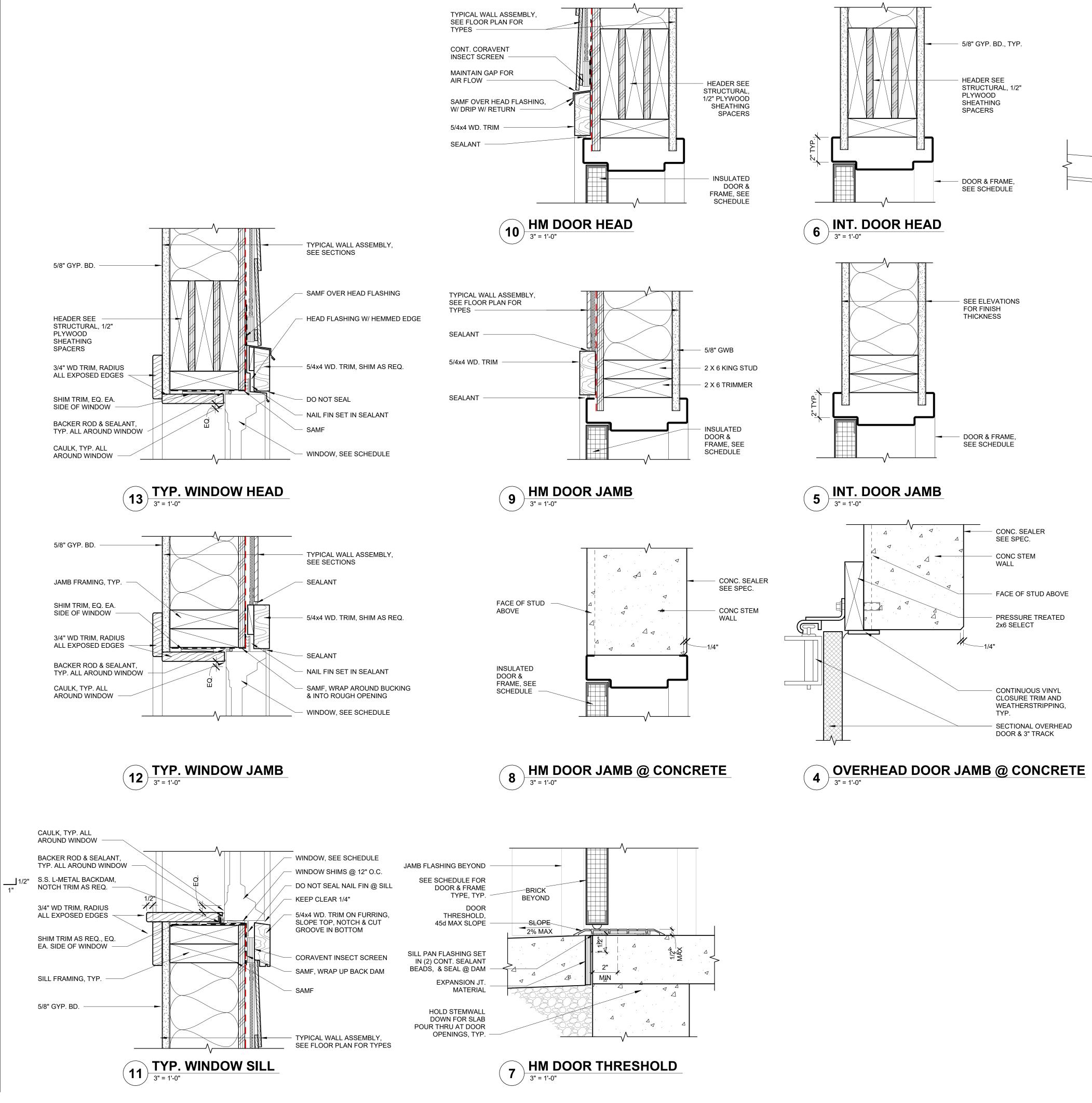
Horizontal Lap Siding —————

CONCRETE STEM

HVAC OUTDOOR EQUIPMENT, SEE MECHANICAL







SECTIONAL OVERHEAD DOOR & 3" TRACK

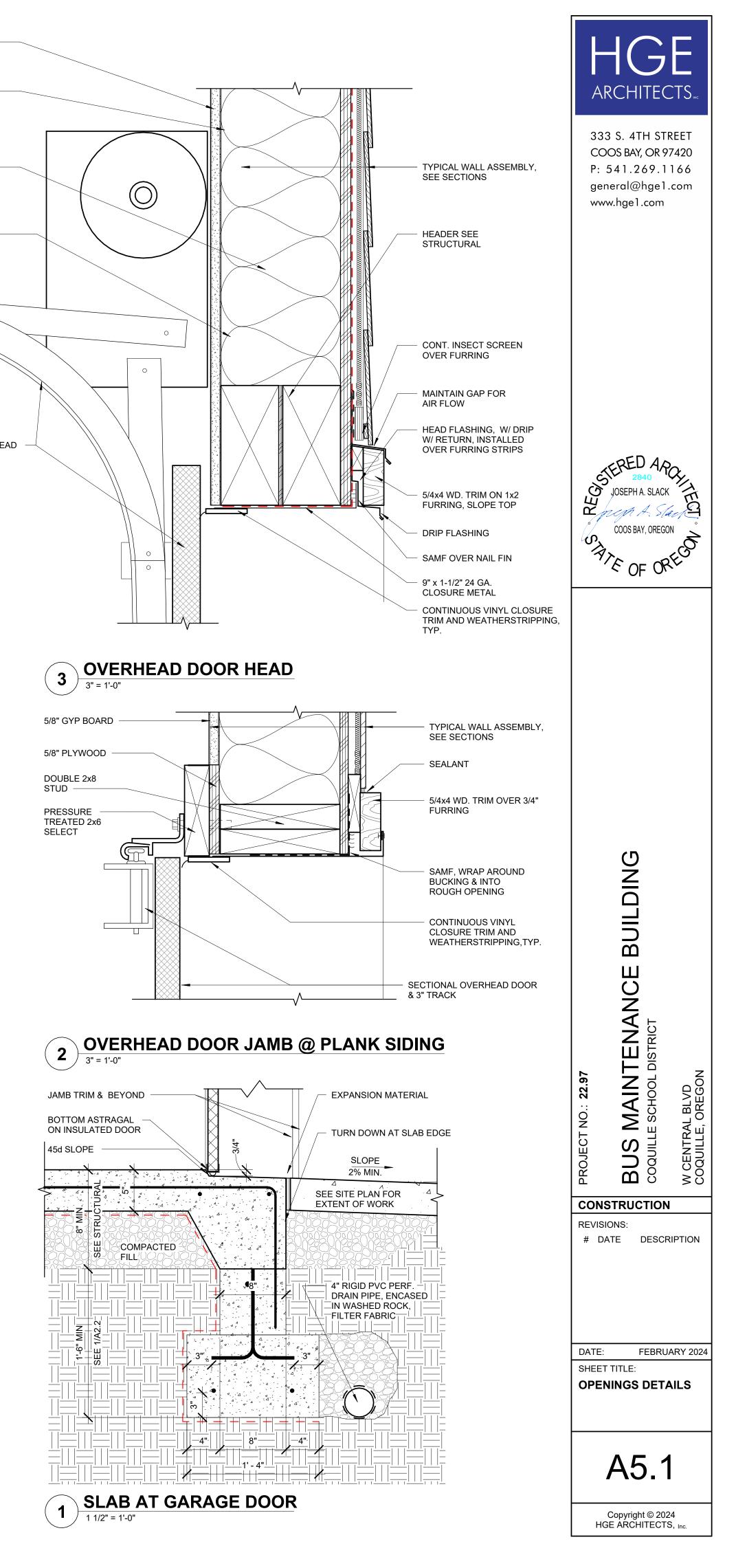
RIGID INSULATION

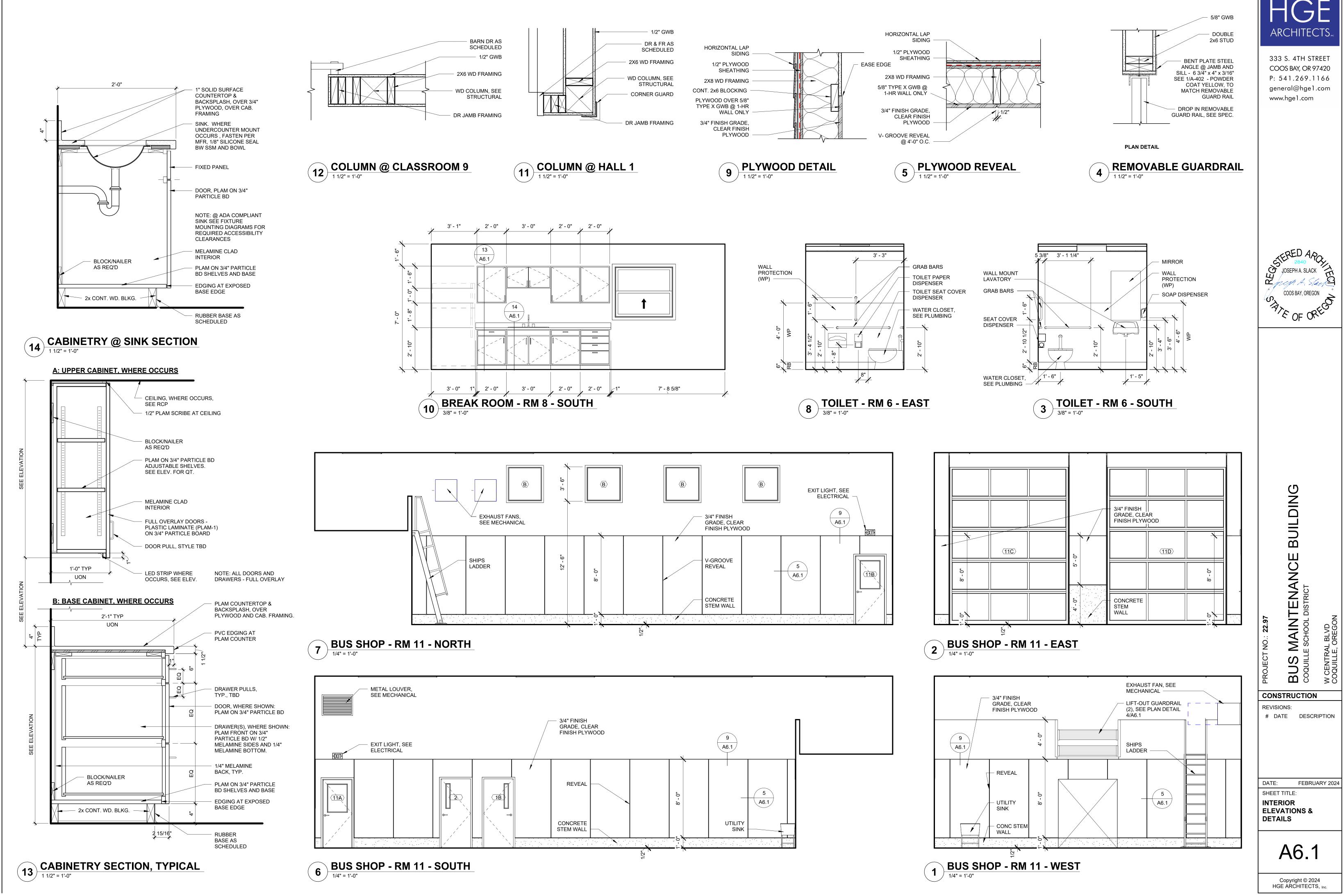
FILL SPACE W/

5/8" GYP BOARD

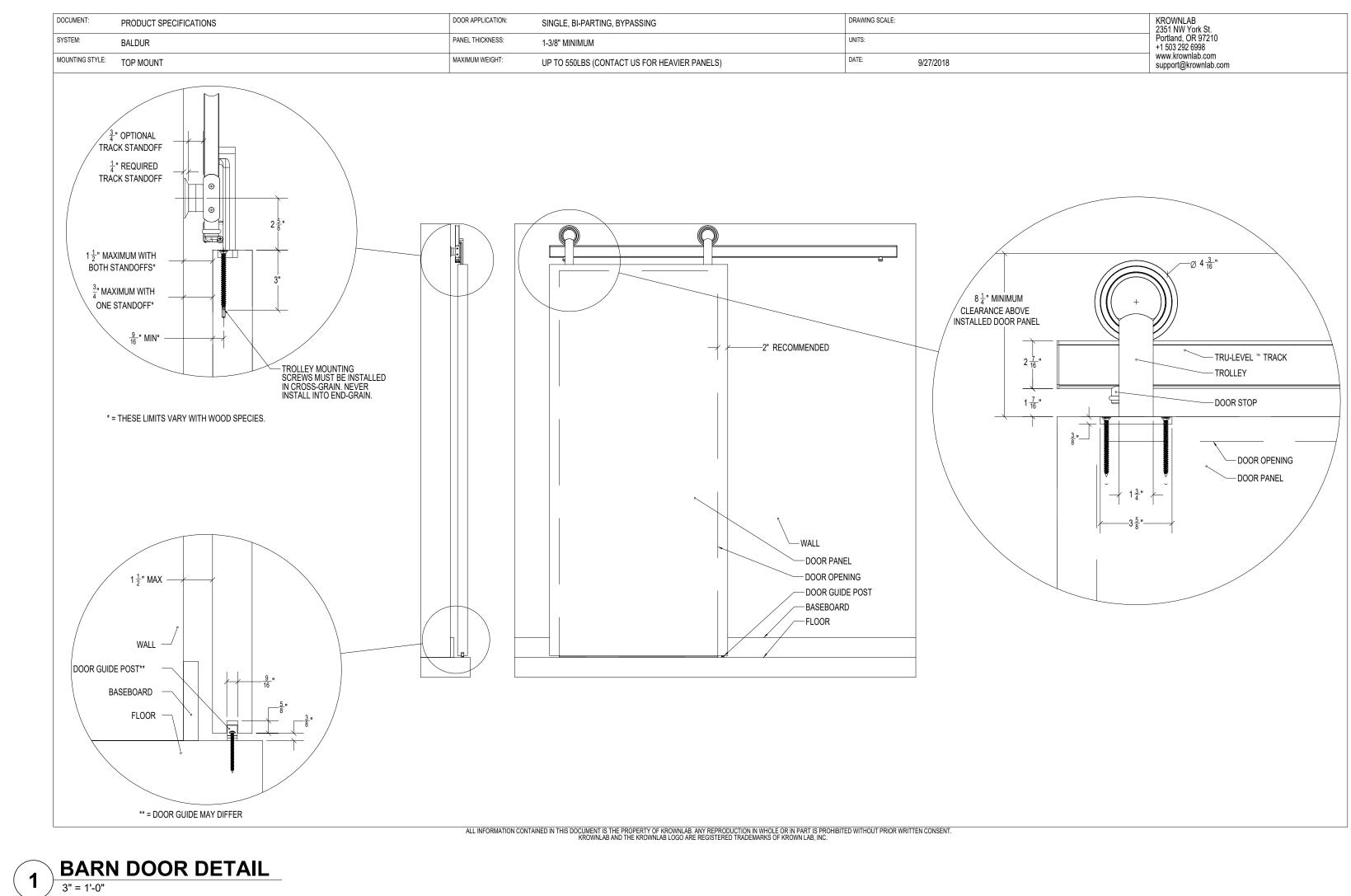
VAPOR BARRIER

2X8 STUD



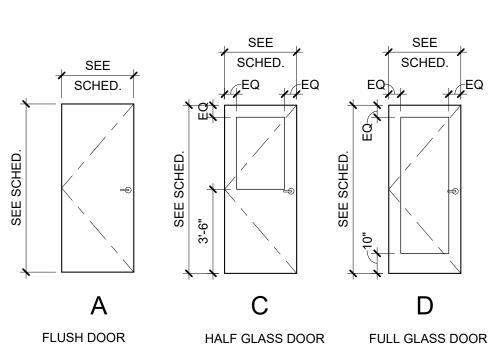


BARN DR AS SCHEDULED
1/2" GWB
2X6 WD FRAMING
WD COLUMN, SEE STRUCTURAL



ROOM NAME	ROOM NO.	FLOOR FINISH	B
HALL	1	SC	
SHOP OFFICE	2	SC	
TECH.	3	SC	
OFFICE	4	SC	
CUST.	5	SC	
TOILET	6	SC	
TOILET	7	SC	
BREAK ROOM	8	SC	
CLASSROOM	9	SC	
STORAGE	10	SC	
BUS SHOP	11	SC	
PARTS	12	SC	
ELEC. / DATA	13	SC	
MEZZANINE	14	SC	

	DOOR SCHEDULE							
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	RATING	NOTES
1A	HALL	3' - 0" x 7' - 0"	D	HM / GL	HM	HW-58		EXTERIOR DOOR, FUTURE ACCESS CONTROL
1B	BUS SHOP	3' - 0" x 7' - 0"	11	WD / GL	HM	HW-20F	1 HR	
2	BUS SHOP	3' - 0" x 7' - 0"	11	WD / GL	HM	HW-20F	1 HR	
3	TECH.	3' - 0" x 7' - 0"	С	WD / GL	HM	HW-10		
4	OFFICE	3' - 0" x 7' - 0"	С	WD / GL	HM	HW-10		
5	CUST.	3' - 0" x 7' - 0"	А	WD	HM	HW-20		
6	TOILET	3' - 0" x 7' - 0"	А	WD	HM	HW-5		
7	TOILET	3' - 0" x 7' - 0"	А	WD	HM	HW-5		
8A	BREAK ROOM	3' - 0" x 7' - 0"	D	WD / GL	HM	HW-2		
8B	BREAK ROOM	3' - 0" x 7' - 0"	А	WD	HM	HW-9		
9	CLASSROOM	4' - 0" x 7' - 0"	А	WD	MANUF.	HW-SL-20		BARN DOOR, 4'-4" ACTUAL DOOR LEAF WIDTH
10	STORAGE	3' - 0" x 7' - 0"	А	WD	HM	HW-20		
11A	BUS SHOP	3' - 0" x 7' - 0"	С	HM / GL	HM	HW-58		EXTERIOR DOOR, FUTURE ACCESS CONTROL
11B	BUS SHOP	3' - 0" x 7' - 0"	С	HM	HM	HW-11		EXTERIOR DOOR
11C	BUS SHOP	12' - 0" x 16' - 0"	F	MANUF.	MANUF.	-		OVERHEAD DOOR
11D	BUS SHOP	12' - 0" x 16' - 0"	F	MANUF.	MANUF.	-		OVERHEAD DOOR
13	ELEC. / DATA	3' - 0" x 7' - 0"	А	WD	HM	HW-2		



FLUSH DOOR

HGE

333 S. 4TH STREET COOS BAY, OR 97420 P: 541.269.1166 general@hge1.com www.hge1.com



BUILDING

BUS MAINTENANCE COQUILLE SCHOOL DISTRICT

CONSTRUCTION

DATE DESCRIPTION

DATE: FEBRUARY 2024

REVISIONS:

SHEET TITLE:

SCHEDULES

NO

CT

W CENTRAL BLVD COQUILLE, OREGO

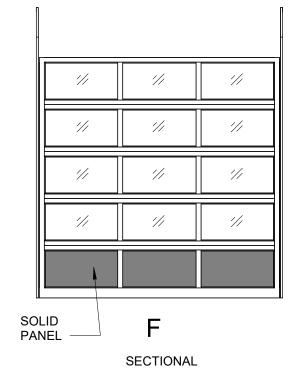
2	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	NOTES
	RB	GWB	GWB	GWB	GWB	ACT	
	RB	GWB	GWB	GWB	GWB	GWB	
	RB	GWB	GWB	GWB	GWB	GWB	
	RB	GWB	GWB	GWB	GWB	GWB	
	RB	GWB / WP	GWB / WP	GWB / WP	GWB / WP	GWB	
	RB	GWB / WP	GWB / WP	GWB / WP	GWB / WP	GWB	
	RB	GWB / WP	GWB / WP	GWB / WP	GWB / WP	GWB	
	RB	GWB	GWB	GWB	GWB	ACT	
	RB	GWB	GWB	GWB	GWB	ACT	
	RB	GWB	GWB	GWB	GWB	GWB	
	SC	GWB / PLYWD	GWB / PLYWD	GWB / PLYWD	GWB / PLYWD	GWB	
	SC	GWB	GWB	GWB	GWB	GWB	
	SC	GWB	GWB	GWB	GWB	GWB	
	RB	GWB	GWB	GWB	GWB	GWB	

ROOM FINISH SCHEDULE

ROOM FINISH LEGEND

- ACT ACOUSTICAL CEILING TILE WP WALL PROTECTION GWB GYPSUM WALL BOARD
- **RB RESILIENT BASE** SC - SEALED CONCRETE
- -- NO WORK (UNO) SEE REFLECTED CEILING PLANS FOR CEILING HEIGHTS

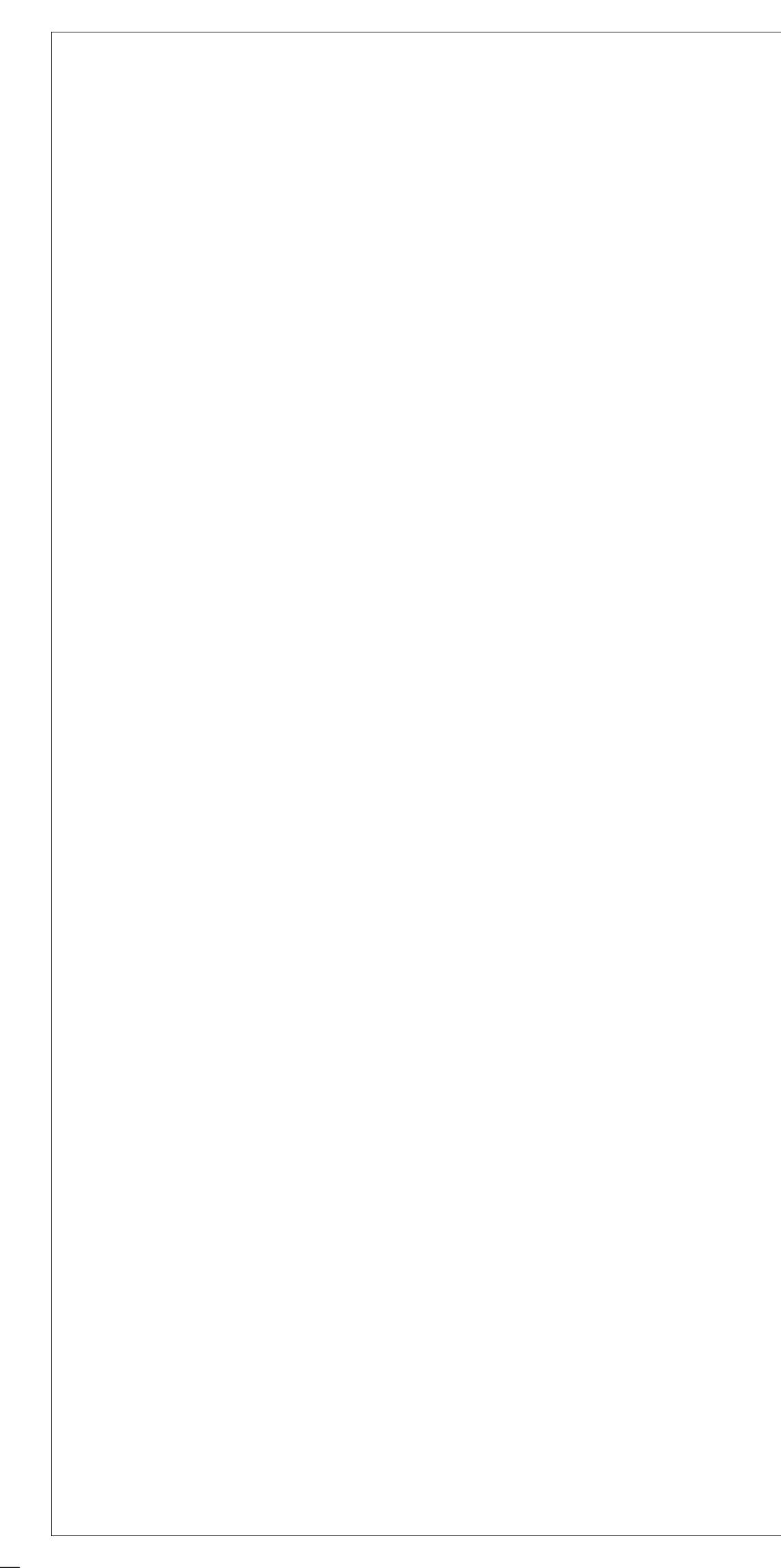
WINDOW SCHEDULE								
MARK	SIZE (WxH)	COUNT	TYPE	NOTES				
А	4' - 0" x 3' - 6"	8	SINGLE HUNG	W/ INSECT SCREEN				
В	B 3' - 6" x 3' - 6" 4 FIXED							





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A7.1



DRAWING LEGEND					
MARK	DESCRIPTION				
F2.0	FOOTING SYMBOL (REFER TO SPREAD FOOTING SCHEDULE)				
(P1)	PILE CAP SYMBOL (REFER TO PILE CAP SCHEDULE)				
W6>	SHEAR WALL SYMBOL (REFER TO SHEAR WALL SCHEDULE)				
\triangle	REVISION TRIANGLE				
	CMU WALL REINFORCING SYMBOL (REFER TO CMU WALL REINFORCING SCHEDULE)				
DS	INDICATES DOUBLE SHEAR CONNECTION (REFER TO THE DOUBLE SHEAR PLATE CONNECTIONS DETAIL)				
	ROOF/FLOOR DIAPHRAGM NAILING SYMBOL (REFER TO DIAPHRAGM NAILING SCHEDULE)				
CS1	CS# - STEEL COLUMN SYMBOL (REFER TO STEEL COLUMN SCHEDULE) CW# - WOOD COLUMN SYMBOL (REFER TO WOOD COLUMN SCHEDULE)				
T/SLAB X'-X"	ELEVATION SYMBOL (T/ REFERS TO COMPONENT THAT THE ELEVATION REFERENCES)				
— 3	STUD BUBBLE (INDICATES NUMBER OF STUDS REQUIRED IF EXCEEDS NUMBER SPECIFIED IN PLAN NOTE)				
<u>\$</u>	INDICATES STEP IN FOOTING (REFER TO TYPICAL STEP IN FOOTING DETAIL)				
X/SX.X	DETAILS OR SECTION CUT (DETAIL NUMBER/SHEET NUMBER)				
X SX.X	DETAILS OR SECTION CUT IN PLAN VIEW (DETAIL NUMBER/SHEET NUMBER)				
X/SX.X	INDICATES LOCATION OF CONCRETE WALLS, SHEAR WALLS OR BRACED FRAME ELEVATIONS				
	SPAN INDICATOR (INDICATES EXTENTS OF FRAMING MEMBERS OR OTHER STRUCTURAL COMPONENTS)				
	INDICATES DIRECTION OF DECK SPAN				
I	INDICATES WIDE FLANGE COLUMN				
D	INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR TUBE STEEL (TS) COLUMN				
0	INDICATES HOLLOW STRUCTURAL SECTION (HSS) COLUMN OR STEEL PIPE COLUMN				
	INDICATES WOOD POST				
•	INDICATES BUNDLED STUDS				
	INDICATES CONCRETE COLUMN				
	INDICATES MOMENT FRAME CONNECTION				
•	INDICATES DRAG CONNECTION				
_ ⊱ }	INDICATES WOOD OR STEEL STUD WALL				
\$77777\$	INDICATES MASONRY/CMU WALL				
	INDICATES CONCRETE/TILT-UP CONCRETE WALL				
\$2000A	INDICATES WOOD OR STEEL STUD SHEAR WALL				
↓	INDICATES BEARING WALL BELOW				
	INDICATES NON-BEARING WALL				
<u> </u>	INDICATES NON-BEARING WALL BELOW				
\	INDICATES EXISTING WALL				

	STANDARD ABE	BREV	/IA7	ΓΙΟΝ	IS				GENERAL REQUIREMENTS:	
۲ AB	ANGLE ANCHOR BOLT	KSF		IPS/SQU	ARE FO	OT			 ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE "OREGON STRUCTURAL SPECIALTY CODE", 2022 EDITION. HEREAFTER REFERRED TO AS OSSC, AS ADOPTED AND MODIFIED BY THE CITY OF COQUILLE, OR AGENCY UNDERSTOOD TO BE THE AUTHORITY HAVING JURISDICTION. 	HGE
ABV ADDL	ABOVE ADDITIONAL	L LF	L	ENGTH INEAL F(-				 STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS AND ALL OTHER CONTRACT DOCUMENTS FOR BIDDING AND CONSTRUCTION. 	ARCHITECTS
AFF ALT ARCH	ABOVE FINISH FLOOR ALTERNATE ARCHITECTURAL	LL LLH LLV	L	IVE LOAI ONG LEC ONG LEC	HORIZ				3. STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE	
B	BOTTOM	LLV LP LONG	L	ONG LEC OW POIN ONGITUI	IT	GAL			NOT INTENDED TO SHOW ALL DETAILS OF THE WORK.	333 S. 4TH STREET
BOT B/	BOTTOM BOTTOM OF	LSL LVL	L	AMINATE AMINATE	D STRA				 CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK; FOR CONFORMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF 	COOS BAY, OR 97420 P: 541.269.1166
BLDG BLKG	BUILDING BLOCKING	MAS		ASONR					ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.	www.hge1.com
BP BRB	BASEPLATE BUCKLING RESISTING BRACED	MAX MB	Μ	1AXIMUN 1ACHINE	BOLT				STANDARDS SUCH AS OSHA.	general@hge1.com
BRG BTWN	BEARING BETWEEN	MECH MEZZ MFR	Μ	1echani 1ezzanii 1anufac	ΝE				6. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO EARTHWORK, FOUNDATIONS, SHORING, AND EXCAVATION. ANY UTILITY INFORMATION SHOWN ON THE DRAWINGS AND DETAILS IS	A
¢ C	CENTERLINE CAMBER	MIN MISC	Μ	INIMUM					APPROXIMATE AND NOT NECESSARILY COMPLETE.	
CB CIP	CASTELLATED BEAM CAST IN PLACE	NIC							ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ENGINEERING FEES ASSOCIATED WITH REVIEW TIME REQUIRED FOR EVALUATING THESE ITEMS.	
CJ	CONSTRUCTION OR CONTROL JOINT	NTS		IOT TO S					8. IN CASE OF DISCREPANCIES BETWEEN GENERAL NOTES, SPECIFICATIONS, PLANS/DETAILS OR REFERENCED	S A the state of t
CJP CLR	COMPLETE JOINT PENETRATION CLEAR	OC OCB	0	N CENTI	Y CONC		C BRACE	ED	STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS. THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN	the weather and the second
CMU COL CONC	CONCRETE MASONRY UNIT COLUMN CONCRETE	OD OF OPG	0)UTSIDE)UTSIDE)PENING	FACE	ER			THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT AS TO WHICH SHALL GOVERN ACCORDINGLY, ANY	GRALUND
CONST	CONSTRUCTION CONTINUOUS	OPG OPP OWSJ	0	PPOSITI	Ξ	L JOIST	-		CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE THE BASIS FOR ADJUSTMENT IS THE CONTRACT PRICE.	ENGINEERING, INC.
CS CTRD	COUNTERSINK CENTERED	OWWJ		PEN WE					9. SEISMIC BRACING AND ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT AND OTHER MECHANICAL PIPING, FIXTURES, ETC. NOT SPECIFICALLY SHOWN ON THE MECHANICAL OR ELECTRICAL DRAWINGS WHICH MEET THE	1213 E FOREST DRIVE RIVERTON, WYOMING 82501
CX	CONNECTION	₽AF	Р	LATE OWDER		TED FA	STENER	R	FOLLOWING CRITERIA SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON.	OFFICE: 307-463-0431 MOBILE: 503-409-3856
Ø DB	DIAMETER DROP BEAM	PC PERP	P		ICULAR	ł			a. WEIGHT EXCEEDS 400 POUNDSb. WEIGHT EXCEEDS 75 POUNDS AND IS MOUNTED MORE THAN 4 FEET ABOVE THE FLOOR	GRALUND-ENGINEERING.COM
DBA DBL DEMO	DEFORMED BAR ANCHOR DOUBLE DEMOLISH	PLWD PP PREFAB	P	'LYWOOI 'ARTIAL I 'REFABR	PENETR				 c. EQUIPMENT WITH AN ASSIGNED SEISMIC IMPORTANCE FACTOR WHICH EXCEEDS 1.0 REGARDLESS OF WEIGHT. d. THE MECHANICAL/ELECTRICAL SUPPLIER OR CONTRACTOR SHALL RETAIN THE ENGINEER AND IS RESPONSIBLE FOR ALL COSTS RELATED TO THE DESIGN, PURCHASE, AND INSTALLATION OF SEISMIC BRACING AND ANCHORAGE. 	STRUCTURAL STRUCTURAL
DEV	DEVELOPMENT DOUGLAS FIR	PSF PSI	Р	OUNDS/	SQUARE	E FOOT			SEISMIC BRACING AND ANCHORAGE DESIGN, PURCHASE, AND INSTALLATION OF SEISMIC BRACING AND ANCHORAGE. SEISMIC BRACING AND ANCHORAGE DESIGN AND CONSTRUCTION SHALL COMPLY WITH CHAPTER 13 OF ASCE 7-16. SIGNED CALCULATIONS SHALL BE SUBMITTED TO THE SER AND BUILDING DEPARTMENT FOR APPROVAL PRIOR TO	STERED PROFESS
DIAG DIST	DIAGONAL DISTRIBUTED	PSL P-T	Р	ARALLEI	SIONE	D	BER		INSTALLATION.	18,519
DL DN	DEAD LOAD DOWN	PT R			E TREA	ιĒD			DEFINITIONS: "ARCHITECT/ENGINEER" - THE ARCHITECT OF RECORD AND THE STRUCTURAL ENGINEER OF RECORD.	OREGON
DO DP DWG	DITTO DEPTH/DEEP DRAWING	R RD REF	R	adius Oof Dr. Efer/Re		CE			"STRUCTURAL ENGINEER OF RECORD" (SER) - THE STRUCTURAL ENGINEER WHO IS LICENSED TO STAMP AND SIGN THE STRUCTURAL DOCUMENTS FOR THE PROJECT AND IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY	HEW 5. GRA
(E)	EXISTING	REINF	R		CING/RE		CEMEN	Т	STRUCTURAL SYSTEM.	EXPIRES: JUNE 30, 2025
EÁ EB	EACH EXPANSION BOLT	RET	R	ETAININ	G				"SUBMIT FOR REVIEW" - SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION.	
EF EL	EACH FACE ELEVATION	SCB SCH	S		E	NTRIC E	BRACED		"PER PLAN" - INDICATES REFERENCES TO THE STRUCTURAL PLANS, ELEVATIONS, AND STRUCTURAL GENERAL NOTES.	
ELEC ELEV ELEV	ELECTRICAL ELEVATION ELEVATOR	SHTHG SIM SMF	S	HEATHIN IMILAR		T FRAM	١F		"SPECIALTY STRUCTURAL ENGINEER" (SSE) - A PROFESSIONAL ENGINEER (PE OR SE), LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED, (TYPICALLY NOT THE SER), WHO PERFORMS SPECIALTY STRUCTURAL ENGINEERING	
EMBED	EMBEDMENT EQUAL	SOG SPEC	S		GRADE	1 I I U UV			SERVICES FOR SELECTED SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS, AND HAS EXPERIENCE AND TRAINING IN THE SPECIALTY. DOCUMENTS STAMPED AND SIGNED BY THE SSE SHALL BE COMPLETED BY AND UNDER THE DIRECT SUPERVISION OF THE SSE.	
EQUIP EW	EQUIPMENT EACH WAY	SQ SR	S	QUARE					"BIDDER-DESIGNED" - COMPONENTS OF THE STRUCTURE THAT REQUIRE THE GENERAL CONTRACTOR,	
EXP EXP JT	EXPANSION EXPANSION JOINT	SF SST	S		S STEE				SUBCONTRACTOR, OR SUPPLIER WHO IS RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS TO RETAIN THE SERVICES OF AN SSE.	
EXT FD	EXTERIOR FLOOR DRAIN	STAGG STD STIFF	S	TAGGEF TANDAR TIFFENE	D	JERED			SUBMITTALS OF THE "BIDDER-DESIGNED" ELEMENTS SHALL BE STAMPED AND SIGNED BY THE SSE.	
FDN FFE	FOUNDATION FINISH FLOOR ELEVATION	STL	S							
FIN FLR	FINISH FLOOR	STRUC SYM		TRUCTU SYMMETF						
FRP FTG	FIBERGALSS REINFORCED PLASTIC FOOTING	T T		OP					STRUCTURAL DESIGN CRITERIA	
F/ GA	FACE OF GAGE	T&B TC AX LI	Т	OP OF OP AND OP CHO			r		GOVERNING CODE: OREGON STRUCTURAL SPECIALTY CODE 2022 EDITION	
GEOTECH	GEOTECHNICAL GLUE LAMINATED TIMBER	TCX TDS	Т	OP CHO	RD EXT	ENSION			OCCUPANCY AND IMPORTANCE FACTORS: A. RISK CATEGORY OF STRUCTURE PER TABLE 1604.5 II	C
GALV GWB	GALVANIZED GYPSUM WALL BOARD	T&G THKND	Т	ONGUE	ED	OOVE			b. SEISMIC IMPORTANCE FACTOR (TABLE 1.5-2, ASCE 7-16) I _E = 1.00 c. SNOW IMPORTANCE FACTOR (TABLE 1.5-2, ASCE 7-16) I _S = 1.00	DIN
HD	HOLD-DOWN	THRD THRU	Т	HREADE	ł				2. WIND DESIGN (MAIN WIND FORCE RESISTING SYSTEM) (SIMPLIFIED DIAPHRAGM PROCEDURE)	
HDR HF HGR	HEADER HEM-FIR HANGER	TRANS TYP		RANSVE YPICAL	KSE				b. EXPOSURE CATEGORY B	OIL 0
HOR	HORIZONTAL HIGH POINT	UNO URM		INLESS N				Т	c. TOPOGRAPHICAL FACTOR K _{zt} = 1.00 d. ENCLOSURE CLASSIFICATION ENCLOSED	Bl
HSS HT	HOLLOW STRUCTURAL SECTION HEIGHT	VERT	V	ERTICAL					3. SEISMIC DESIGN (EQUIVALENT LATERAL FORCE PROCEDURE) a. SEISMIC DESIGN CATEGORY E	Щ
IBC	INTERNATIONAL BUILDING CODE	W W/		VIDE VITH					b. SPECTRAL RESPONSE ACCELERATION i. SHORT PERIOD S _S = 1.595	N N N N N N N N N N N N N N N N N N N
ID IE IF	INSIDE DIAMETER INVERT ELEVATION INSIDE FACE	W/ W/O WHS	W	VITH VITHOUT VELDED) STUD			ii. 1 SECOND PERIOD S1 = 0.801 c. SPECTRAL DESIGN RESPONSE COEFFICIENT	U H
INT	INTERIOR	WP WWF	W	VORKING	POINT				i. SHORT PERIOD S _{DS} = 1.276 ii. 1 SECOND PERIOD S _{D1} = 0.908	
JST JT	JOIST JOINT	±		LUS OR					d. BOTH BUILDING DIRECTIONS THE SAME i. BASIC STRUCTURAL SYSTEM	
Ŀ	KIDS								ii. SEISMIC FORCE RESISTING SYSTEM LIGHT-FRAMED WOOD WALLS WITH WOOD SHEATHING iii. RESPONSE MODIFICATION FACTOR R = 6.5	VO:: 22.9 NAIN SCHOOL SCHOOL
К	KIPS								iv. SYSTEM OVERSTRENGTH FACTOR Ω_0 = 2.5	OJECT NO.: 22.97 US MAINT DQUILLE SCHOOL I CENTRAL BLVD CENTRAL BLVD
									vi. SEISMIC RESPONSE COEFFICIENT Cs = 0.196	
[<u>г </u>	vii. REDUNDANCY FACTOR r = 1.3 viii. DESIGN BASE SHEAR V = 12.2 k	PROJECT BUS coquille
		ET							3. SNOW LOAD DESIGN a. GROUND SNOW LOAD pg = 1 psf	H C ≥ C ≥ C ≥ C ≥ C ≥ C ≥ C ≥ C ≥ C ≥ C
	DRAWING INDEX	REVIEW SET 01/12/2024	MIT SE						b. SURFACE ROUGHNESS CATEGORY C c. EXPOSURE OF ROOF PARTIALLY EXPOSED	CONSTRUCTION
		REV 01/1.	PER		11				d. SNOW EXPOSURE FACTOR Ce = 1.00 e. THERMAL FACTOR Ct = 1.00	REVISIONS: # DATE DESCRIPTION
S1.1	COVER SHEET	X	X	-	-	-	-	-	f.FLAT ROOF SNOW LOAD $(p_f = 0.7 C_e C_l I_s p_g)$ $p_f = 0.70 psf$ MINIMUM SNOW LOAD $(p_{fmin} = 20 I_s)$ $p_{fmin} = 20.00 psf$	
S1.2	GENERAL NOTES	X	X	-	-	-	-	-	g. RAIN ON SNOW SURCHARGE pr = 0.00 psf h. ROOF SLOPE FACTOR Cs = 0.00 psf	
S2.1	FOUNDATION PLAN	X	X	-	-	-	-	-	i. DESIGN BALANCE SNOW LOAD (ps = max (pfmin + pr, Cs pf + pr) ps = 20.00 psf (SNOW DRIFT LOADING WHERE REQUIRED BY AUTHORITY HAVING JURISDICTION	
S2.1W	FIRST FLOOR SHEAR WALL AND POST PLAN	N X	X	-	-	-	-	-	(SNOW DRIFT LOADING WHERE REQUIRED BY ACTION TRAINS JORISDICTION REFER TO ROOF PLAN FOR DRIFT LOADING)	
S2.2	SECOND FLOOR LOWER ROOF FRAMING PLAN	X	Х	-	-	-	-	-		DATE: JANUARY 2024
S2.2W	SECOND FLOOR SHEAR WALL AND POST PLAN	X	X	-	-	-	-	-		SHEET TITLE:
S2.3	ROOF FRAMING PLAN	X	X	-	-	-	-	-		COVER SHEET
S4.1	FOUNDATION DETAILS	X	X	-	-	-	-	-		
							1	1		

	STANDARD ABE	REV	ΙΔΤ						GENERAL REQUIREMENTS:	
L ANGLE KSF KIPS/SQUARE FOOT									1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE "OREGON STRUCTURAL SPECIALTY CODE", 2022 EDITION. HEREAFTER REFERRED TO AS OSSC, AS ADOPTED	
AB ABV ADDL	ANCHOR BOLT ABOVE ADDITIONAL	L LF		NGTH IEAL FO					AND MODIFIED BY THE CITY OF COQUILLE, OR AGENCY UNDERSTOOD TO BE THE AUTHORITY HAVING JURISDICTION.	ARCHITECTS
AFF ALT	ABOVE FINISH FLOOR		LIV	E LOAI		ZONTAL			CONTRACT DOCUMENTS FOR BIDDING AND CONSTRUCTION.	
ARCH		LLV LP	LOI LO\	ng leo W Poin	G VERTI NT				3. STRUCTURAL DRAWINGS ARE INTENDED TO SHOW THE GENERAL CHARACTER AND EXTENT OF THE PROJECT AND ARE NOT INTENDED TO SHOW ALL DETAILS OF THE WORK.	333 S. 4TH STREET
B BOT B/	BOTTOM	LONG LSL LVL	LAN		DINAL ED STR/ ED VENI	-			4. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK; FOR CONFORMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF	COOS BAY, OR 97420 P: 541,269,1166
BLDG BLKG	BUILDING BLOCKING	MAS		SONR			VIDER		ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.	www.hge1.com
BP BRB	BASEPLATE BUCKLING RESISTING BRACED	MAX MB	MA MA	XIMUM CHINE	I BOLT				5. CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB RELATED SAFETY STANDARDS SUCH AS OSHA.	general@hge1.com
BRG BTWN	BEARING BETWEEN	MECH MEZZ	ME		-				6. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO EARTHWORK, FOUNDATIONS, SHORING, AND EXCAVATION. ANY UTILITY INFORMATION SHOWN ON THE DRAWINGS AND DETAILS IS	
۴ C	CENTERLINE CAMBER	MFR MIN MISC	MIN	NIMUM					APPROXIMATE AND NOT NECESSARILY COMPLETE. 7. ALTERNATES OR SUBSTITUTIONS FOR SPECIFIED STRUCTURAL ITEMS ARE NOT PERMITTED WITHOUT THE APPROVAL OF THE	
CB CIP	CASTELLATED BEAM	NIC		-	ONTRAC				ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL ENGINEERING FEES ASSOCIATED WITH REVIEW TIME REQUIRED FOR EVALUATING THESE ITEMS.	
CJ	CONSTRUCTION OR CONTROL JOINT	NTS		T TO S					8. IN CASE OF DISCREPANCIES BETWEEN GENERAL NOTES, SPECIFICATIONS, PLANS/DETAILS OR REFERENCED STANDARDS, THE ARCHITECT/ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. DISCREPANCIES SHALL BE	S S S S
CJP CLR CMU		OC OCB OD	OR		ER Y Conc Diamet		BRAC	ED	BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN	Frank Martiner
COL	COLUMN	OF OPG	OU	TSIDE	FACE				THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ARCHITECT AS TO WHICH SHALL GOVERN ACCORDINGLY, ANY	GRALUND
CONST CONT	CONSTRUCTION CONTINUOUS	OPP OWSJ	OP		B STEE				CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE THE BASIS FOR ADJUSTMENT IS THE CONTRACT PRICE.	ENGINEERING, INC.
CS CTRD	CENTERED	OWWJ			EB WOO	D JOIST			9. SEISMIC BRACING AND ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT AND OTHER MECHANICAL PIPING, FIXTURES, ETC. NOT SPECIFICALLY SHOWN ON THE MECHANICAL OR ELECTRICAL DRAWINGS WHICH MEET THE	1213 E FOREST DRIVE RIVERTON, WYOMING 82501 OFFICE: 307-463-0431
CX ø	CONNECTION	የ PAF PC			ACTUA	TED FA	STENEF	र	FOLLOWING CRITERIA SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF OREGON.	MOBILE: 503-409-3856
DB DBA	DROP BEAM DEFORMED BAR ANCHOR	PERP PLWD	PEI		DICULAR	R			 a. WEIGHT EXCEEDS 400 POUNDS b. WEIGHT EXCEEDS 75 POUNDS AND IS MOUNTED MORE THAN 4 FEET ABOVE THE FLOOR c. EQUIPMENT WITH AN ASSIGNED SEISMIC IMPORTANCE FACTOR WHICH EXCEEDS 1.0 REGARDLESS OF WEIGHT. 	
DBL DEMO		PP PREFAB	PR	EFABR	PENETR)			d. THE MECHANICAL/ELECTRICAL SUPPLIER OR CONTRACTOR SHALL RETAIN THE ENGINEER AND IS RESPONSIBLE FOR ALL COSTS RELATED TO THE DESIGN, PURCHASE, AND INSTALLATION OF SEISMIC BRACING AND ANCHORAGE.	STRUCTURAL STRED PROFICE
DEV DF	DEVELOPMENT DOUGLAS FIR	PSF PSI	PO	UNDS/	SQUARI	E INCH			SEISMIC BRACING AND ANCHORAGE DESIGN AND CONSTRUCTION SHALL COMPLY WITH CHAPTER 13 0F ASCE 7-16. SIGNED CALCULATIONS SHALL BE SUBMITTED TO THE SER AND BUILDING DEPARTMENT FOR APPROVAL PRIOR TO	CS ENGINEED
DIAG DIST DL	DIAGONAL DISTRIBUTED DEAD LOAD	PSL P-T PT	PO	ST-TEN	L STRAN NSIONEI RE TREA	D	BEK		INSTALLATION. DEFINITIONS:	18,519 marken Stand
DN DO	DOWN DITTO	R		DIUS					"ARCHITECT/ENGINEER" - THE ARCHITECT OF RECORD AND THE STRUCTURAL ENGINEER OF RECORD.	OREGON
DP DWG	DEPTH/DEEP DRAWING	RD REF	RE		EFEREN			_	"STRUCTURAL ENGINEER OF RECORD" (SER) - THE STRUCTURAL ENGINEER WHO IS LICENSED TO STAMP AND SIGN THE STRUCTURAL DOCUMENTS FOR THE PROJECT AND IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM.	HEW S. GRAL
(E)	EXISTING EACH	reinf Reqd Ret	RE	infor(Quirei Tainin		INFOR	CEMEN	I	"SUBMIT FOR REVIEW" - SUBMIT TO THE ARCHITECT/ENGINEER FOR REVIEW PRIOR TO FABRICATION OR	EXPIRES: JUNE 30, 2025
EA EB EF	EACH EXPANSION BOLT EACH FACE	SCB			CONCE	NTRIC E	RACED)	CONSTRUCTION.	
EL ELEC	ELEVATION ELECTRICAL	SCH SHTHG	SC	HEDUL EATHIN	E				"PER PLAN" - INDICATES REFERENCES TO THE STRUCTURAL PLANS, ELEVATIONS, AND STRUCTURAL GENERAL NOTES. "SPECIALTY STRUCTURAL ENGINEER" (SSE) - A PROFESSIONAL ENGINEER (PE OR SE), LICENSED IN THE STATE WHERE	
ELEV ELEV	ELEVATION ELEVATOR	SIM SMF	SPI		MOMEN		IE		THE PROJECT IS LOCATED, (TYPICALLY NOT THE SER), WHO PERFORMS SPECIALTY STRUCTURAL ENGINEERING SERVICES FOR SELECTED SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS, AND HAS	
embed Eq Equip	EMBEDMENT EQUAL EQUIPMENT	SOG SPEC SQ	SPI		GRADE ATION				EXPERIENCE AND TRAINING IN THE SPECIALTY. DOCUMENTS STAMPED AND SIGNED BY THE SSE SHALL BE COMPLETED BY AND UNDER THE DIRECT SUPERVISION OF THE SSE.	
EW	EACH WAY EXPANSION	SR SF	STI	UDRAIL UARE I	L				"BIDDER-DESIGNED" - COMPONENTS OF THE STRUCTURE THAT REQUIRE THE GENERAL CONTRACTOR, SUBCONTRACTOR, OR SUPPLIER WHO IS RESPONSIBLE FOR THE DESIGN, FABRICATION, AND INSTALLATION OF	
EXP JT EXT	EXPANSION JOINT EXTERIOR	SST STAGG	ST/	AGGER	SS STEE R/STAGO				SPECIALTY-ENGINEERED ELEMENTS IDENTIFIED IN THE CONTRACT DOCUMENTS TO RETAIN THE SERVICES OF AN SSE. SUBMITTALS OF THE "BIDDER-DESIGNED" ELEMENTS SHALL BE STAMPED AND SIGNED BY THE SSE.	
FD		STD STIFF STL		ANDAR IFFENE						
FDN FFE FIN	FOUNDATION FINISH FLOOR ELEVATION FINISH	STR STRUC	ST	EEL RUCTU RUCTU						
FLR FRP	FLOOR FIBERGALSS REINFORCED PLASTIC	SYM	SYI	MMETF					STRUCTURAL DESIGN CRITERIA	
FTG F/	FOOTING FACE OF	T T/ TPD		P OF	DOTTO	N 4			OREGON STRUCTURAL SPECIALTY CODE	
GA GEOTECH	GAGE GEOTECHNICAL	T&B TC AX LD TCX) TO	P CHO	BOTTO RD AXIA RD EXT	AL LOAE			GOVERNING CODE: 1. OCCUPANCY AND IMPORTANCE FACTORS:	
GL GALV	GLUE LAMINATED TIMBER GALVANIZED	TDS T&G	TIE	DOWN	N SYSTE AND GF	EM			a. RISK CATEGORY OF STRUCTURE PER TABLE 1604.5 II b. SEISMIC IMPORTANCE FACTOR (TABLE 1.5-2, ASCE 7-16) I _L = 1.00	
GWB	GYPSUM WALL BOARD	THKND THRD	TH	ICKENE READE	ED				c. SNOW IMPORTANCE FACTOR (TABLE 1.5-2, ASCE 7-16) I _s = 1.00 2. WIND DESIGN (MAIN WIND FORCE RESISTING SYSTEM) (SIMPLIFIED DIAPHRAGM PROCEDURE)	
HD HDR HF	HOLD-DOWN HEADER HEM-FIR	THRU TRANS TYP	TR	ROUGH ANSVE PICAL					a. ULTIMATE WIND DESIGN SPEED V = 120 mph b. EXPOSURE CATEGORY B	
HGR HOR	HANGER HORIZONTAL	UNO			NOTED (OTHER	VISE		c. TOPOGRAPHICAL FACTOR K _{zt} = 1.00	
HP HSS	HIGH POINT HOLLOW STRUCTURAL SECTION	URM			ORCED	MASON	RY UNI	Т	d. ENCLOSURE CLASSIFICATION ENCLOSED 3. SEISMIC DESIGN (EQUIVALENT LATERAL FORCE PROCEDURE)	Ш Ш
HT IBC	HEIGHT	VERT W	VE		-				a. SEISMIC DESIGN CATEGORY E b. SPECTRAL RESPONSE ACCELERATION E	
ID IE	INTERNATIONAL BOILDING CODE INSIDE DIAMETER INVERT ELEVATION	W/ W/O	WI		-				i. SHORT PERIOD S _S = 1.595 ii. 1 SECOND PERIOD S ₁ = 0.801	A A A
IF INT	INSIDE FACE INTERIOR	WHS WP	WE	LDED	HEADEI G POINT				c. SPECTRAL DESIGN RESPONSE COEFFICIENT i. SHORT PERIOD SDS = 1.276	
JST	JOIST	WWF			WIRE F				ii. 1 SECOND PERIOD S _{D1} = 0.908 d. BOTH BUILDING DIRECTIONS THE SAME	
JT	JOINT	±	PLU	JS OR	MINUS :	±			i. BASIC STRUCTURAL SYSTEM BEARING WALL SYSTEM ii. SEISMIC FORCE RESISTING SYSTEM LIGHT-FRAMED WOOD WALLS WITH WOOD SHEATHING	22.97 INN OOL I VD EGON
k	KIPS								iii. RESPONSE MODIFICATION FACTORR = 6.5 iv. SYSTEM OVERSTRENGTH FACTOR $\Omega_0 = 2.5$	IO:: 22.9
									v. DEFLECTION AMPLIFICATION FACTOR C _d = 4.0 vi. SEISMIC RESPONSE COEFFICIENT C _s = 0.196	T NC TE SC LE SC LE, C
						1	1		vii. REDUNDANCY FACTOR r = 1.3 viii. DESIGN BASE SHEAR V = 12.2 k	PROJECT NO.: 22.97 BUS MAINT COQUILLE SCHOOL I W CENTRAL BLVD COQUILLE, OREGON
			_						3. SNOW LOAD DESIGN a. GROUND SNOW LOAD pg = 1 psf	BR D SS ≥SS SS
	DRAWING INDEX	REVIEW SET 01/12/2024	PERMIT SET 02/08/2024						b. SURFACE ROUGHNESS CATEGORY C c. EXPOSURE OF ROOF PARTIALLY EXPOSED	CONSTRUCTION
		REVII 01/12	PERN 02/08	11	11	1 1		11	d. SNOW EXPOSURE FACTOR Ce = 1.00 e. THERMAL FACTOR Ct = 1.00	REVISIONS:
S1.1	COVER SHEET	x	х	-	-	-	-	-	f.FLAT ROOF SNOW LOAD $(p_f = 0.7 C_e C_t I_s p_g)$ $p_f = 0.70 psf$ MINIMUM SNOW LOAD $(p_{fmin} = 20 I_s)$ $p_{fmin} = 20.00 psf$	# DATE DESCRIPTION
S1.2	GENERAL NOTES	Х	Х	-	-	-	-	-	g. RAIN ON SNOW SURCHARGE pr = 0.00 psf h. ROOF SLOPE FACTOR Cs = 0.00 psf	
S2.1	FOUNDATION PLAN	X	Х	-	-	-	-	-	i. DESIGN BALANCE SNOW LOAD $(p_s = max (p_{fmin} + p_r, C_s p_f + p_r))$ $p_s = 20.00 \text{ psf}$	
S2.1W	FIRST FLOOR SHEAR WALL AND POST PLAN	X	Х	-	-	-	-	-	(SNOW DRIFT LOADING WHERE REQUIRED BY AUTHORITY HAVING JURISDICTION REFER TO ROOF PLAN FOR DRIFT LOADING)	
S2.2	SECOND FLOOR LOWER ROOF FRAMING PLAN	X	Х	-	-	-	-	-		DATE: JANUARY 2024
S2.2W	SECOND FLOOR SHEAR WALL AND POST PLAN	X	Х	-	-	-	-	-		SHEET TITLE:
S2.3	ROOF FRAMING PLAN	Х	Х	-	-	-	-	-		COVER SHEET
S4.1	FOUNDATION DETAILS	X	Х	- -	-	-	-	-		
S4.2	FOUNDATION DETAILS		Х	-	-	-	-	-		
S6.1	FRAMING DETAILS	X	Х		-	-	-	-		S1.1
S7.1	LATERAL FRAMING DETAILS	X	Х	-	-	-	-	-		
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INSPECTION, QUALITY ASSURANCE VERIFICATIONS AND TEST REQUIREMENTS:

- 1. FOUNDATIONS, FOOTINGS, UNDER SLAB SYSTEMS AND FRAMING ARE SUBJECT TO INSPECTION BY THE BUILDING OFFICIAL IN ACCORDANCE WITH OSSC SECTION 110.3. CONTRACTOR SHALL COORDINATE ALL REQUIRED INSPECTIONS WITH THE BUILDING OFFICIAL
- 2. SPECIAL INSPECTIONS, VERIFICATIONS AND TESTING SHALL BE DONE IN ACCORDANCE WITH OSSC CHAPTER 17 AND THE STATEMENT OF SPECIAL INSPECTIONS HEREIN PER OSSC SECTIONS 1704 AND 1705, INCLUDING 1705.11 AND 1705.12 FOR SEISMIC RESISTANCE FOR PROJECTS IN SEISMIC DESIGN CATEGORIES C, D, E, AND F AS APPLICABLE.
- 3. OWNER SHALL RETAIN AN "APPROVED AGENCY" PER OSSC 1703 TO PROVIDE SPECIAL INSPECTIONS FOR THE PROJECT. SPECIAL INSPECTORS SHALL BE QUALIFIED PERSONS PER OSSC 1704.2.1.
- 4. SPECIAL INSPECTIONS AND TESTING PER OSSC SECTIONS 1704 AND 1705 ARE REQUIRED FOR THE FOLLOWING:

OFF-SITE FABRICATION OF GRAVITY LOAD BEARING MEMBERS & ASSEMBLIES IS PERFORMED. SPECIAL INSPECTOR SHALL VERIFY THAT THE FABRICATION COMPLIES WITH OSSC 1704.2.5.

	REQUIRED SPECIAL INSPECTION AND TESTS OF CONCRETE CONSTRUCTION - OSSC TABLE 1705.3							
	VERIFICATION AND INSPECTION	FREQUE INSPE	CTION	REFERENCED STANDARD OSSC REFERENCE				
1.	INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING STEEL AND PLACEMENT	-	X	ACI 318:3.5, CH 20, 25.2, 25.3, 26.6.1-26.6.3 OSSC 1908.4				
2.	REINFORCING BAR WELDING							
	a. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	-	х	AWS D1.4				
	 b. INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM ⁵/₁₆"; 	х	х	ACI 318: 26.6.4				
	c. INSPECT ALL OTHER WELDS							
3.	INSPECT ANCHORS CAST IN CONCRETE	-	Х	ACI 318: 17.8.2				
4.	INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRE	TE MEMBE	RS					
	a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS.	x	x	ACI 318: 17.8.2.4 ACI 318: 17.8.2				
	b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4a.	x	х	ACI 310. 17.0.2				
5.	VERIFYING USE OF REQUIRED MIX DESIGN.	-	x	ACI 318: Ch 19, 26.4.3, 26.4.4 OSSC 1904.1, 19.4.2, 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.	x	-	ASTM C172, ASTM C31 ACI 318: 26.5, 26.12 OSSC 1908.10				
7.	INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	х	-	ACI 318: 26.5 OSSC 1908.6 thru 1908.8				
8.	VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	х	ACI 318: 26.5.3 thru 26.5.5 OSSC 1908.9				
9.	INSPECT FORMWORK FOR SHAPE LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	ACI 318: 26.11.1.2(b)						
10	. TAKING OF CORE SAMPLES FOR CONSTRUCTION SPECIMENS	х	-	OSSC 1908				

Note: WHERE APPLICABLE, ALSO SEE OSSC SECTION 1705.12: SPECIAL INSPECTION FOR SEISMIC RESISTANCE.

REQUIRED SPECIAL INSPECTION AND TESTS OF WOOD CONSTRUCTION OSSC SECTION 1705 5

		USSU SEUT	ION 170	05.5	
		VERIFICATION AND INSPECTION	FREQUE		REFERENCED STANDARD OSSC REFERENCE
			CONT.	PER.	0350 NEI EINENGE
1.		ERIFICATION OF SHEAR WALL CONSTRUCTION WHERE FASTENER SP/ ON CENTER OR LESS	ACING OF THE S	SHEATHING IS	
	a.	SHEATHING THICKNESS AND GRADE STAMP	-	Х	
	b.	SHEATHING FASTENER SIZE AND SPACING	-	Х	
	C.	SIZE OF FRAMING MEMBER AT PANEL JOINTS AN SILL PLATE	-	х	
	d.	ANCHOR BOLT SIZE AND SPACING TO FOUNDATION	-	Х	
	e.	GALVANIZING FASTENERS USED AT ALL PRESSURE TREATED AND FIRE-RETARDANT TREATED FRAMING MEMBERS	-	х	OSSC 1705.5.1
	f.	FASTENERS AND CONNECTORS THROUGH WOOD FLOOR ASSEMBLIES	-	х	
	g.	HOLD-DOWN ASSEMBLIES, INCLUDING HARDWARE AND FASTENERS	-	х	
	h.	LENGTH OF SHEAR WALL	-	Х	
	i.	DIAPHRAGM CHORDS	-	Х	
	j.	BLOCKING AT TOP PLATE		Х	
2.		ERIFICATION OF DIAPHRAGM CONSTRUCTION WHERE FASTENER SPA ON CENTER OR LESS	CING OF THE S	HEATHING IS	
	a.	SHEATHING THICKNESS AND GRADE STAMP	-	Х	
	b.	SHEATHING FASTENER SIZE AND SPACING	-	Х	OSSC 1705.5.1
	C.	DRAG STRAP HARDWARE AND FASTENERS SIZE AND SPACING	-	х	0350 1703.3.1
3.	DF	RAG STRUT CONNECTIONS	-	Х	OSSC 1705.5.1
4.	M	TAL-PLATE-CONNECTED WOOD TRUSSES SPANNING 60 FEET OR GR	EATER	·I	
	a.	PERMANENT TRUSS RESTRAINT	-	Х	OSSC 1705.5.2
	a.	PERMANENT TRUSS BRACING	-	Х	0880 1703.3.2
	No	te: SPECIAL INSPECTION NOT REQUIRED WHEN SHEAR WALLS AND D GREATER THAN 4" ON CENTER	IAPHRAGMS WI	HERE THE FAS	TENER SPACING AT PANEL EDGES IS

SOILS AND FOUNDATIONS:

REFERENCE STANDARDS: CONFORM TO OSSC CHAPTER 18 "SOILS AND FOUNDATIONS."

DESIGN SOIL VALUES:		
ALLOWABLE FOUNDATION BEARING PRESSURE	1500	PSF-NATIVE/STRUCTURAL FILL
PASSIVE LATERAL PRESSURE	150	PSF/FT
ACTIVE LATERAL PRESSURE (unrestrained)	35	PSF/FT
ACTIVE LATERAL PRESSURE (restrained)	55	PSF/FT
SEISMIC LATERAL PRESSURE	8H	PSF
COEFFICIENT OF SLIDING FRICTION	0.35	

FOUNDATIONS AND FOOTINGS: FOUNDATIONS SHALL BEAR ON EITHER, COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL. EXTERIOR PERIMETER FOOTINGS SHALL BEAR NOT LESS THAN 18 INCHES BELOW FINISH GRADE, UNLESS OTHERWISE SPECIFIED BY THE GEOTECHNICAL ENGINEER AND/OR THE BUILDING OFFICIAL.

FOOTING DEPTH: TOPS OF FOOTINGS SHALL BE AS SHOWN ON PLANS WITH VERTICAL CHANGES AS INDICATED WITH STEPS IN THE FOOTINGS: LOCATIONS OF STEPS SHOWN AS APPROXIMATE AND SHALL BE COORDINATED WITH THE CIVIL GRADING PLANS TO ENSURE THAT THE EXTERIOR PERIMETER FOOTINGS BEAR NO LESS THAN 18 INCHES BELOW FINISH GRADE, OR AS OTHERWISE INDICATED BY THE BUILDING OFFICIAL.

SLABS-ON-GRADE: ALL SLABS-ON-GRADE SHALL BEAR ON COMPACTED STRUCTURAL FILL OR COMPETENT CONCRETE CRACK REPAIR AND MAINTENANCE PROGRAM: CONCRETE SHRINKS AND CONTINUES TO SHRINK NATIVE SOIL. ALL MOISTURE SENSITIVE SLABS-ON-GRADE OR THOSE SUBJECT TO RECEIVE MOISTURE SENSITIVE COATINGS/COVERINGS SHALL BE PROVIDED WITH AN APPROPRIATE CAPILLARY BREAK AND FOR UP TO TWO YEARS AFTER CONSTRUCTION AND AS A RESULT. CRACKING WILL TYPICALLY OCCUR. VAPOR BARRIER/RETARDANT OVER THE SUBGRADE PREPARED AND INSTALLED AS NOTED BY BARRIER THESE CRACKS DO NOT TYPICALLY IMPAIR THE INTEGRITY OF THE STRUCTURE. HOWEVER, GRALUND MANUFACTURER'S WRITTEN RECOMMENDATIONS AND COORDINATED WITH THE FINISHES SPECIFIED BY THE ENGINEERING RECOMMENDS A ONT-TIME CRACK REPAIR AND MAINTENANCE PROGRAM BE IMPLEMENTED ARCHITECT.

CAST-IN-PLACE CONCRETE

REFERENCE STANDARDS: CONFORM TO: ACI 301-20 "SPECIFICATION FOR STRUCTURAL CONCRETE."

- OSSC Chapter 19 "CONCRETE" ACI 318-19/318R-19 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
- ACI 117-10 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS"

FIELD REFERENCE: THE CONTRACTOR SHALL KEEP A COPY OF ACI FIELD REFERENCE MANUAL, SP-15, "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE (ACI 301) WITH SELECTED ACI AND ASTM REFERENCES."

CONCRETE MIXTURES: CONFORM TO ACI 301 SECTION 4 "CONCRETE MIXTURES" AND OSSC SECTION 1904.2.

MATERIALS: CONFORM TO ACI 301 SECTION 4.2.1 "MATERIALS" FOR REQUIREMENTS FOR CEMENTITIOUS MATERIALS, AGGREGATES, MIXING WATER, AND ADMIXTURES.

SUBMITTALS: PROVIDE ALL SUBMITTALS REQUIRED BY ACI 301 SECTION 4.1.2. SUBMIT MIX DESIGNS FOR EACH MIX LISTED BELOW. SUBSTANTIATING STRENGTH RESULTS FROM PAST TEST SHALL NOT BE OLDER THAN 24 MONTHS PER ACI 318 SECTION 5.3.

X DESIGN REQUIREMENTS:	
FOUNDATIONS (Residential)	
STRENGTH (28 DAY TEST)	3000 PS
MAXIMUM AGGREGATE ⁽⁴⁾	1 INCH
EXTERIOR SLABS ON GRADE	
STRENGTH (28 DAY TEST)	3000 PS
MAXIMUM AGGREGATE ⁽⁴⁾	1 INCH
MAXIMUM W/C RATIO	0.45 ⁽¹⁾
AIR CONTENT ⁽³⁾	5%
INTERIOR SLABS ON GRADE	
STRENGTH (28 DAY TEST)	3000 PS
MAXIMUM AGGREGATE ⁽⁴⁾	1 INCH
MAXIMUM W/C RATIO	0.5 ⁽¹⁾
SIDEWALKS	
STRENGTH (28 DAY TEST)	3500 PS
MAXIMUM AGGREGATE ⁽⁴⁾	1 INCH
MAXIMUM W/C RATIO	0.45 ⁽¹⁾
AIR CONTENT ⁽³⁾	5%
X DESIGN REQUIREMENTS NOTES:	
W/C RATIO: WATER-CEMENTITIOUS MATERIAL RATI	OS SHAL

1. W/C RATIO: WATER-CEMENTITIOUS MATERIAL RATIOS SHALL BE BASED ON THE TOTAL WEIGHT OF CEMENTITIOUS MATERIALS. MAXIMUM RATIOS ARE CONTROLLED BY STRENGTH NOTED IN MIX DESIGN REQUIREMENTS AND DURABILITY REQUIREMENTS GIVEN IN ACI 318 SECTION 4.3. 2. CEMENTITIOUS MATERIALS:

- a. THE USE OF FLY ASH, OTHER POZZOLANS, SILICA FUME, OR SLAG SHALL CONFORM TO ACI 318 SECTIONS 4.3.1 AND 4.4.2. MAXIMUM AMOUNT OF FLY ASH SHALL BE 25% OF TOTAL CEMENTITIOUS CONTENT UNLESS APPROVED OTHERWISE BY SER.
- b. FOR CONCRETE USED IN ELEVATED FLOORS, MINIMUM CEMENTITIOUS-MATERIALS CONTENT SHALL CONFORM TO ACI 301 TABLE 4.2.2.1. ACCEPTANCE OF LOWER CEMENT CONTENT IS CONTINGENT ON PROVIDING SUPPORTING DATA TO THE SER FOR REVIEW AND ACCEPTANCE. c. CEMENTITIOUS MATERIALS SHALL CONFORM TO THE RELEVANT ASTM STANDARDS LISTED IN ACI 318 SECTION 3.2.1.
- AIR CONTENT: CONFORM TO ACI 318 SECTION 4.4.1. MINIMUM STANDARDS FOR EXPOSURE CLASS ARE NOTED IN THE TABLE. IF FREEZING AND THAWING CLASS IS NOT NOTED, AIR CONTENT GIVEN IS THAT REQUIRED BY THE SER. TOLERANCE IS ±1-1/2%. AIR CONTENT SHALL BE MEASURED AT POINT OF PLACEMENT
- 4. AGGREGATES SHALL CONFORM TO ASTM C33.
- 5. SLUMP: CONFORM TO ACI 301 SECTION 4.2.2.2. SLUMP SHALL BE DETERMINED AT POINT OF PLACEMENT.
- 6. CHLORIDE CONTENT: CONFORM TO ACI 318 SECTION 4.3.1.
- PLACED AT AMBIENT TEMPERATURES BELOW 50°F AT THE CONTRACTOR'S OPTION.
- 8. ACI 318, SECTION 4.2.1 EXPOSURE CLASSES SHALL BE ASSUMED TO BE [FO], [S0], [P0], AND [CO], UNLESS DIFFERENT EXPOSURE CLASSES ARE LISTED IN THE MIX DESIGN REQUIREMENTS THAT MODIFY THESE BASE REQUIREMENTS.
- 9. SHRINKAGE LIMIT: CONCRETE USED IN ELEVATED SLABS AND BEAMS SHALL HAVE A SHRINKAGE LIMIT OF [0.045%] AT 28 DAYS MEASURED IN ACCORDANCE WITH ASTM C157. SUBMIT LABORATORY TEST RESULTS TO SER FOR APPROVAL PRIOR TO CONSTRUCTION.
- 10. FORMWORK & RESHORING: CONFORM TO ACI 301 SECTION 2 "FORMWORK AND FORM ACCESSORIES." REMOVAL OF FORMS SHALL CONFORM TO SECTION 2.3.2 EXCEPT STRENGTH INDICATED IN SECTION 2.3.2.5 SHALL BE 0.75 fc.

MEASURING, MIXING, AND DELIVERY: CONFORM TO ACI 301 SECTION 4.3.

HANDLING, PLACING, CONSTRUCTING AND CURING: CONFORM TO ACI 301 SECTION 5. IN ADDITION, HOT WEATHER CONCRETING SHALL CONFORM TO ACI 305.1-06 AND COLD WEATHER CONCRETING SHALL CONFORM TO ACI 306.1-90.

CONSTRUCTION JOINTS: CONFORM TO ACI 301 SECTIONS 2.2.2.5, 5.2.2.1 AND 5.3.2.6. CONSTRUCTION JOINTS SHALL BE LOCATED AND DETAILED AS ON THE CONSTRUCTION DRAWINGS. SUBMIT ALTERNATE LOCATIONS PER ACI 301 SECTION 5.1.2.3a FOR REVIEW AND APPROVAL BY THE SER TWO WEEKS MINIMUM PRIOR TO FORMING. USE OF AN ACCEPTABLE ADHESIVE, SURFACE RETARDANT, PORTLAND CEMENT GROUT OR ROUGHENING THE SURFACE IS NOT REQUIRED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.

EMBEDDED ITEMS: POSITION AND SECURE IN PLACE EXPANSION JOINT MATERIAL, ANCHORS AND OTHER STRUCTURAL AND NON-STRUCTURAL EMBEDDED ITEMS BEFORE PLACING CONCRETE. CONTRACTOR SHALL REFER TO MECHANICAL, ELECTRICAL, PLUMBING AND ARCHITECTURAL DRAWINGS AND COORDINATE OTHER EMBEDDED ITEMS.

GROUT: USE 7000 PSI NON-SHRINK GROUT UNDER COLUMN BASE PLATES.

GROUTED REBAR: SEE POST-INSTALLED ANCHORS TO CONCRETE.

POST-INSTALLED ANCHORS TO CONCRETE: ANCHOR LOCATION, TYPE, DIAMETER AND EMBEDMENT SHALL BE AS INDICATED ON DRAWINGS. REFERENCE THE POST INSTALLED ANCHORS SECTION FOR APPLICABLE POST-INSTALLED ANCHOR ADHESIVES. ANCHORS SHALL BE INSTALLED AND INSPECTED IN STRICT ACCORDANCE WITH THE APPLICABLE ICC-EVALUATION SERVICE REPORT (ESR). SPECIAL INSPECTION SHALL BE PER THE TESTS AND INSPECTIONS SECTION.

JOINT COMPOUND: PROVIDE ACID RESISTANT SILICONE CAULK WHERE NOTED ON THE DRAWINGS. SUBMIT PRODUCT DATA FOR REVIEW.

SHRINKAGE: CONVENTIONAL AND POST-TENSIONED CONCRETE SLABS WILL CONTINUE TO SHRINK AFTER INITIAL PLACEMENT AND STRESSING OF CONCRETE. CONTRACTOR ANS SUBCONTRACTOR SHALL COORDINATE JOINTING AND INTERIOR MATERIAL FINISHES TO PROVIDE ADEQUATE TOLERANCE FOR EXPECTED STRUCTURAL FRAME SHRINKAGE AND SHALL INCLUDE, BUT NOT BE LIMITED TO: CURTAIN WALL, DRYVIT, STOREFRONT, SKYLIGHT, FLOOR FINISH, AND CEILING SUPPLIERS. CONTACT ENGINEER FOR EXPECTED RANGE OF SHRINKAGE.

FLOOR FINISHES: THE CONTRACTOR MUST PROVIDE AND CORRECTLY INSTALL AN ISOLATION MEMBRANE AND PROPERLY DETAILED EXPANSION JOINTS TO HELP MINIMIZE CRACKING OF FINISHES WITH CEMENTITIOUS SETTING BEDS OR FINISH PROPERTIES (TILE, STONE, TERRAZZO, CONCRETE TOPPING, ETC). THE EXPANSION JOINTS SHALL BE SIZED FOR AN EXPEXTED SHORTENING MOVEMENT OF 0.01 INCHES PER FOOT.

7. NON-CHLORIDE ACCELERATOR: NON-CHLORIDE ACCELERATING ADMIXTURE MAY BE USED IN CONCRETE

- FOR THOSE SLABS EXPOSED TO WATER OR CHEMICALS. THE MAINTENANCE PROGRAM SHALL CONSIST OF: INSPECT SLABS AND SUPPORTING MEMBERS TWO YEARS AFTER CONSTRUCTION
 - DETERMINE CRACKS IN THE STRUCTURE TO BE REPAIRED REPAIR CRACKS

THE TOTAL LENGTH OF CRACKING CAN BE ESTIMATED AT 0.009 FEET OF CRACKS PER SQUARE FEET OF SLAB AREA. THE OWNER SHOULD RESERVE FUNDS FOR THIS ONE TIME MAINTENANCE PROGRAM, WHICH IS TO TAKE PLACE TWO YEARS AFTER THE COMPLETION OF CONSTRUCTION.

EVEN THOUGH CRACKING IS NORMAL AND MOST OFTEN NOT STRUCTURALLY SIGNIFICANT. WHEN CRACKING OCCURS DURING CONSTRUCTION THE CONTRACTOR SHALL CONTACT THE ARCHITECT/ENGINEER FOR REVIEW. THE CONTRACTOR SHOULD BUDGET 0.004 FEET OF EPOXY INJECTED CRACK REPAIR PER SQUARE FOOT OF SLAB.

STRENGTH TESTING AND ACCEPTANCE:

- TESTING: OBTAIN SAMPLES AND CONDUCT TEST IN ACCORDANCE WITH ACI 301 SECTION 1.6.3.2. ADDITIONAL SAMPLES MAY BE REQUIRED TO OBTAIN CONCRETE STRENGTHS AT ALTERNATE
- INTERVALS THAN SHOWN BELOW. • CURE 4 CYLINDERS FOR 28-DAY TEST AGE TEST 1 CYLINDER AT 7 DAYS, TEST 2 CYLINDERS AT 28 7 DAYS, AND HOLD 1 CYLINDER IN RESERVE FOR USE AS THE ENGINEER DIRECTS. AFTER 56 DAYS, UNLESS NOTIFIED BY THE ENGINEER TO THE CONTRARY, THE RESERVE CYLINDER MAY BE DISCARDED WITHOUT BEING TESTED FOR SPECIMENS MEETING 28-DAY STRENGTH REQUIREMENTS.
- THE NUMBER OF CYLINDERS INDICATED ABOVE REFERENCE 6 x 12 INCH CYLINDERS. IF 4 x 8 INCH CYLINDERS ARE TO BE USED, ADDITIONAL CYLINDERS MUST BE CURED FOR TESTING OF 3 CYLINDERS AT TEST AGE PER THE TABLE OF MIX DESIGN REQUIREMENTS.
- ACCEPTANCE: STRENGTH IS SATISFACTORY WHEN: • THE AVERAGES OF ALL SETS OF 3 CONSECUTIVE TESTS EQUAL OR EXCEED THE SPECIFIED STRENGTH.
- NO INDIVIDUAL TEST FALLS BELOW THE SPECIFIED STRENGTH BY MORE THAN 500 PSI
- A "TEST" FOR ACCEPTANCE IS THE AVERAGE STRENGTH OF (2) 6 x 12 INCH CYLINDERS OR (3) 4 x 8 INCH CYLINDERS TESTED AT THE SPECIFIED TEST AGE.

CONCRETE PLACEMENT TOLERANCE: CONFORM TO ACI 117-20 FOR CONCRETE PLACEMENT TOLERANCE.

CONCRETE REINFORCEMENT

REFERENCE STANDARDS: CONFORM TO:

- 1. ACI 301 "STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE", SECTION 3 "REINFORCEMENT AND REINFORCEMENT SUPPORTS", LATEST EDITION.
- 2. ACI SP-66-04 "ACI DETAILING MANUAL" INCLUDING ACI 315-99 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT."
- 3. CRSI MSP-17, 29th EDITION, "MANUAL OF STANDARD PRACTICE."
- ANSI/AWS D1.4 "STRUCTURAL WELDING CODE REINFORCING STEEL." OSSC CHAPTER 19 - CONCRETE.
- 6. ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", LATEST EDITION. 7. ACI 117 "SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS", LATEST EDITION.

SUBMITTALS: CONFORM TO ACI 301 SECTION 3.1.1 "SUBMITTALS, DATA AND DRAWINGS." SUBMIT PLACING DRAWINGS SHOWING FABRICATION DIMENSIONS AND LOCATIONS FOR PLACEMENT OF REINFORCEMENT AND REINFORCEMENT SUPPORTS.

ATERIALS:	
REINFORCING BARS	ASTM A615, GRADE 60, DEFORMED BARS.
REINFORCING BARS (#3 BARS)	ASTM A615, GRADE 40, DEFORMED BARS.
WELDABLE REINFORCING BARS	ASTM A706, GRADE 60, DEFORMED BARS.
SMOOTH WELDED WIRE FABRIC	ASTM A185
DEFORMED WELDED WIRE FABRIC	ASTM A497
BAR SUPPORTS	CRSI MSP-09, CHAPTER 3 "BAR SUPPORTS."
TIE WIRE	16 GAGE OR HEAVIER, BLACK ANNEALED.

FABRICATION: CONFORM TO ACI 301, SECTION 3.2.2. "FABRICATION", AND ACI SP-66 "ACI DETAILING MANUAL.

WELDING: BARS SHALL NOT BE WELDED UNLESS AUTHORIZED. WHEN AUTHORIZED, CONFORM TO ACI 301, SECTION 3.2.2.2. "WELDING", AWS D1.4, AND PROVIDE ASTM A706, GRADE 60 REINFORCEMENT.

PLACING: CONFORM TO ACI 301, SECTION 3.3.2 "PLACEMENT." PLACING TOLERANCES SHALL CONFORM TO ACI 117

CONCRETE COVER: CONFORM TO THE FOLLOWING COVER REQUIREMENTS UNLESS NOTED OTHERWISE IN THE DRAWINGS.

CONCRETE CAST AGAINST EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER	2"
TIES IN COLUMNS AND BEAMS	11⁄2"
BARS IN SLABS	3⁄4"
BARS IN WALL	3/4"

SPLICES: CONFORM TO ACI 301, SECTION 3.3.2.7, "SPLICES." REFER TO "TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE" FOR TYPICAL REINFORCEMENT SPLICES. SPLICES INDICATED ON INDIVIDUAL SHEETS SHALL CONTROL OVER THE SCHEDULE. MECHANICAL CONNECTIONS MAY BE USED WHEN APPROVED BY THE SER. FOR REINFORCING WITHIN THE LATERAL SYSTEM (SHEAR WALLS) AND REINFORCING CONNECTING THE DIAPHRAGM SLAB TO THE LATERAL SYSTEM, MECHANICAL SPLICE STRENGTH IS INCREASED TO DEVELOP 100 PERCENT OF THE SPECIFIED TENSILE STRENGTH OF THE SPLICES BAR

FIELD BENDING: CONFORM TO ACI 301 SECTION 3.3.2.8. "FIELD BENDING OR STRAIGHTENING." BAR SIZED #3 THROUGH #5 MAY BE FIELD BENT COLD THE FIRST TIME. OTHER BARS REQUIRE PREHEATING. DO NOT TWIST BARS. BARS SHALL NOT BE BENT PAST 45 DEGREES.

POST-INSTALLED ANCHORS (INTO CONCRETE):

REFERENCE STANDARDS: CONFORM TO:

- 1. OSSC CHAPTER 19 "CONCRETE" 2. ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE", LATEST EDITION
- POST-INSTALLED ANCHORS: INSTALL ONLY WHERE SPECIFICALLY SHOWN IN THE DETAILS OR ALLOWED BY SER. ALL POST-INSTALLED ANCHORS TYPES AND LOCATIONS SHALL BE APPROVED BY THE SER AND SHALL HAVE A CURRENT ICC-EVALUATION SERVICE REPORT THAT PROVIDES RELEVANT DESIGN VALUES NECESSARY TO VALIDATE THE AVAILABLE STRENGTH EXCEEDS THE REQUIRED STRENGTH DEMANDS. SUBMIT CURRENT MANUFACTURER'S DATA AND ICC ESR REPORT TO SER FOR APPROVAL REGARDLESS OF WHETHER OR NOT IT IS A PRE-APPROVED ANCHOR. ANCHORS SHALL BE INSTALLED IN STRICT ACCORDANCE TO ICC-ESR AND MANUFACTURER'S INSTRUCTIONS. NO REINFORCING BARS SHALL BE DAMAGED DURING INSTALLATION OF POST-INSTALLED ANCHORS. SPECIAL INSPECTION SHALL BE PER THE TESTS AND INSPECTIONS SECTION. ANCHOR TYPE, DIAMETER AND EMBEDMENT SHALL BE AS INDICATED ON DRAWINGS.
- 1. ADHESIVE ANCHORS: THE FOLLOWING ADHESIVE-TYPE ANCHORING SYSTEMS HAVE BEEN USED IN
- THE DESIGN AND SHALL BE USED FOR ANCHORAGE TO CONCRETE, AS APPLICABLE AND IN ACCORDANCE WITH CORRESPONDING CURRENT ICC ESR REPORT. DRILLED-IN ANCHOR EMBEDMENT LENGTHS SHALL BE AS SHOWN ON DRAWINGS, OR NOT LESS THAN 7 TIMES THE ANCHOR NOMINAL DIAMETER (7D).
- a. HILTI "HIT-RE 500 SD" ICC ESR-2322 FOR ANY EMBEDMENT DEPTH
- b. SIMPSON "SET-3G" ICC ESR 4057. c. DEWALT "Pure220+" - ICC ESR-5144.

- 2. EXPANSION ANCHORS: THE FOLLOWING EXPANSION TYPE ANCHORS ARE PRE-APPROVED FOR ANCHORAGE TO CONCRETE IN ACCORDANCE WITH CORRESPONDING CURRENT ICC ESR REPORT:
- a. HILTI "KWIK BOLT TZ2" ICC ESR-4266. b. SIMPSON "STRONG-BOLT 2" - ICC ESR-3037.
- c. DEWALT "POWER-STUD+SD1" ICC ESR-2818.
- 3. SCREW ANCHORS: THE FOLLOWING SCREW TYPE ANCHOR IS PRE-APPROVED FOR ANCHORAGE TO CONCRETE IN ACCORDANCE WITH CORRESPONDING CURRENT ICC ESR REPORT: a. HILTI 'KH-EZ" - ESR-3027

b. SIMPSON "TITEN HD" - ICC ESR-2713. c. DEWALT "SCREW-BOLT +" - ICC ESR-3889.

WOOD FRAMING:

REFERENCE STANDARDS: CONFORM TO: OSSC CHAPTER 23 "WOOD"

- NDS "2018 NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION"
- ANSI/AF&PA SDPWS-21: SPECIAL DESIGN PROVISIONS FOR WIND AND SEISMIC 4. APA PDS-20 PLYWOOD DESIGN SPECIFICATION
- 5. ANSI/TPI 1-2014 "NATIONAL DESIGN STANDARD FOR METAL-PLATE-CONNECTED WOOD TRUSS
- CONSTRUCTION" 6. BCSI "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING & BRACING OF METAL-PLATE-CONNECTED
- WOOD TRUSSES" TPI DSB "RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL-PLATE-CONNECTED WOOD TRUSSES"
 - APA REPORT TT-045B "MINIMUM NAIL PENETRATION FOR WOOD STRUCTURAL PANEL CONNECTIONS SUBJECT TO LATERAL LOADS"

SUBMITTALS: SUBMIT SHOP DRAWINGS TO THE ARCHITECT/ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL INCLUDE MEMBER SIZE, SPACING, CAMBER, MATERIAL TYPE, GRADE, SHOP AND FIELD ASSEMBLY DETAILS AND CONNECTIONS, TYPES AND LOCATION OF BOLTS AND OTHER FASTENERS. SUPPLY SHOP DRAWINGS FOR

- THE FOLLOWING:
- 1. GLUE LAMINATED MEMBERS 2. PSL MEMBERS
- 3. LVL MEMBERS
- 4. LSL MEMBERS
- TAPERED & PARALLEL WOOD I-JOISTS (SOLID WEB-WOOD JOISTS) 6. WOOD TIE-DOWN SYSTEMS

DEFERRED SUBMITTALS: SUBMIT PRODUCT DATA AND PROOF OF ICC APPROVAL FOR FRAMING MEMBERS AND FASTENERS THAT HAVE BEEN DESIGNED BY OTHERS. SUBMIT CALCULATIONS PREPARED BY THE SSE IN THE STATE OF OREGON FOR ALL MEMBERS AND CONNECTIONS DESIGNED BY OTHERS ALONG WITH SHOP DRAWINGS. ALL NECESSARY BRIDGING, BLOCKING, BLOCKING PANELS AND WEB STIFFENERS SHALL BE DETAILED AND FURNISHED BY THE SUPPLIER. TEMPORARY AND PERMANENT BRIDGING SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S SPECIFICATIONS. DEFLECTION LIMITS SHALL BE AS NOTED UNDER DEFERRED SUBMITTALS SECTION SPECIFIC DETAILS. PRODUCTS INCLUDED ARE:

- METAL-PLATE-CONNECTED-TRUSSES (PREFABRICATED TRUSSES) CONFORM TO OSSC SECTION 2303.4. TRUSS SUPPLIER TO PROVIDE DESIGN AND MATERIALS FOR ALL PERMANENT TRUSS BRACING. SHOP DRAWINGS SHALL PROVIDE FOR SHAPES, BEARING POINTS, INTERSECTIONS, HIPS, AND VALLEYS SHOWN ON THE DRAWINGS. THE MANUFACTURER SHALL PROVIDE SPECIAL HIP. VALLEY AND INTERSECTION AREAS (STEP DOWN TRUSSES, JACK TRUSSES AND GIRDER TRUSSES) UNLESS SPECIFICALLY INDICATED ON THE PLANS. PROVIDE ALL TRUSS-TO-TRUSS AND TRUSS-TO-SUPPORT CONNECTION DETAILS AND REQUIRED CONNECTION MATERIALS. SPECIFY TEMPORARY AND PERMANENT BRACING AND CONNECTIONS ON THE SHOP DRAWINGS. PROVIDE ALL TRUSS REACTIONS ON SHOP DRAWINGS.
- SOLID WEB WOOD JOISTS (I-JOISTS)
- WOOD TIE-DOWN SYSTEMS: CONTINUOUS ROD HOLD-DOWN SYSTEMS, WITH TAKE-UP DEVICES, SHALL BE AS SPECIFIED. TAKE-UP DEVICES ARE REQUIRED AT EACH FRAMING LEVEL. ADDITIONAL FRAMING MEMBERS SHALL BE PROVIDED PER THE SYSTEM REQUIREMENTS. REFER TO DETAILS AND LOADING ON THE STRUCTURAL DRAWINGS.
- OPEN WEB WOOD TRUSSES

IDENTIFICATION: ALL SAWN LUMBER AND PRE-MANUFACTURED WOOD PRODUCTS SHALL BE IDENTIFIED BY THE GRADE MARK OR A CERTIFICATE OF INSPECTION ISSUED BY THE CERTIFYING AGENCY.

MATERIALS: SAWN LUMBER: CONFORM TO GRADING RULES OF WWPA, WCLIB OR NLGA AND TABLE BELOW. FINGER JOINTED STUDS ACCEPTABLE AT INTERIOR WALLS ONLY.

TABLE OF SOLID SA		
MEMBER USE SIZE		SPECIES
WALL STUDS	2x4, 3x4, 2x6, 3x6	DOUGLAS FIR LARCH
SILL PLATES	2x4, 3x4, 2x6, 3x6	PT DOUGLAS FIR LARCI
POSTS	4x4, 4x6, 4x8	DOUGLAS FIR LARCH
FLOOR JOIST	2x6 thru 2x12	DOUGLAS FIR LARCH
ROOF JOIST	2x6 thru 2x12	DOUGLAS FIR LARCH
BEAM	4x8 thru 4x12	DOUGLAS FIR LARCH
BEAM	6x8 thru 6x12	DOUGLAS FIR LARCH
POST OR TIMBER	6x6, 8x8	DOUGLAS FIR LARCH

GLUE LAMINATED TIMBER: CONFORM TO AITC 117-2004 "STANDARD SPECIFICATIONS FOR STRUCTURAL GLUE-LAMINATED TIMBER OF SOFTWOOD SPECIES, MANUFACTURING AND DESIGN" AND ANSI/AITC A190.1 "STRUCTURAL GLUE LAMINATED TIMBER." CAMBER ALL GLUE LAMINATED BEAMS, EXCEPT CANTILEVERED AND CONTINUOUS BEAMS, TO 3000' RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.

BLE	E OF GLULAM A	ND GRADE			
	MEMBER	SIZES	SPECIES	COMB SYMBOL	
	BEAMS	ALL	DF/DF	24F-V4	SI
	BEAMS	ALL	DF/DF	24F-V8	CC
	BEAMS	ALL	DF/DF	24F-V8	CA
	COLUMNS	ALL	DF	L2	PC

¹⁵/₃₂"

APPROVED BY THE SER PRIOR TO ORDERING.

STRAP BUCKLING AND POTENTIAL FINISH DAMAGE.

OCCUR OVER SUPPORTS.

Roof

Floor

Walls

WOOD STRUCTURAL SHEATHING (PLYWOOD): WOOD APA-RATED STRUCTURAL SHEATHING INCLUDES: ALL VENEER PLYWOOD, ORIENTED STRAND BOARD (OSB), WAFERBOARD, PARTICLEBOARD, T1-11 SIDING, AND COMPOSITES OF VENEER AND WOOD BASED MATERIAL WITH T&G JOINTS. ARCHITECT MAY DISALLOW OSB. CONFIRM WITH ARCHITECT. CONFORM TO "CONSTRUCTION AND INDUSTRIAL PLYWOOD" BASED ON PRODUCT STANDARD PS 1-07 BY THE U.S. DEPARTMENT OF COMMERCE, AND "PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS" BASED ON PROJECT STANDARD PS 2-04 BY THE U.S. DEPARTMENT OF COMMERCE AND "PLYWOOD DESIGN SPECIFICATION" BASED ON APA PDS-04 BY THE AMERICAN PLYWOOD ASSOCIATION. UNLESS NOTED OTHERWISE, SHEATHING SHALL COMPLY WITH THE FOLLOWING TABLE:

ACROSS SUPPORTS AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. END JOISTS SHALL

32/16 C-D

GRADE
NO. 2
NO. 1
NO. 1

USE
MPLE SPANS
ONT. BEAMS
ANT. SPANS
OST, TRUSS MEMBER

TABLE OF SHEATHING - USE, MINIMUM THICKNESS AND MINIMUM APA RATING						
LOCATION	THICKNESS	PLYS	SPAN RATING	GRADE	EXPOSURE	
Roof	²³ / ₃₂ "	5-ply	32/16	C-D	1	
Floor	²³ ⁄ ₃₂ " T&G		24 OC	STURD-I-FLOOR	1	

UNLESS NOTED OTHERWISE ON DRAWINGS, INSTALL ROOF AND FLOOR PANELS WITH LONG DIMENSION

TIMBER CONNECTORS: SHALL BE "STRONG TIE" BY SIMPSON COMPANY AS SPECIFIED IN THEIR LATEST CATALOG. ALTERNATE CONNECTORS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE CURRENT ICC APPROVAL FOR EQUIVALENT OR GREATER LOAD CAPACITIES AND ARE REVIEWED AND

• CONNECTORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF (½) OF THE NAILS OR BOLTS IN EACH MEMBER. WHERE STRAPS ARE USED AS HOLD-DOWNS, NAIL STRAPS TO WOOD FRAMING JUST PRIOR TO DRYWALL APPLICATION, AS LATE AS POSSIBLE IN THE FRAMING PROCESS TO ALLOW THE WOOD TO SHRINK AND THE BUILDING TO SETTLE. PREMATURE NAILING OF THE STRAP MAY LEAD TO

 WHERE CONNECTORS ARE IN EXPOSED EXTERIOR APPLICATIONS IN CONTACT WITH PRESERVATIVE TREATED WOOD (PT) OTHER THAN CCA, CONNECTORS SHALL BE EITHER BATCH HOT-DIPPED

GALVANIZED (HDG), MECHANICALLY GALVANIZED (ASTM B695, CLASS 55 MINIMUM), STAINLESS STEEL, OR PROVIDED WITH 1.85 oz/sf OF ZINC GALVANIZING EQUAL TO OR BETTER THAN SIMPSON ZMAX FINISH.

 NAIL STRAPS TO WOOD FRAMING AS LATE AS POSSIBLE IN THE FRAMING PROCESS TO ALLOW THE WOOD TO SHRINK AND THE BUILDING TO SETTLE. PREMATURE NAILING OF THE STRAP MAY LEAD TO STRAP BUCKLING AND POTENTIAL FINISH DAMAGE.

FASTENERS (NAILS, BOLTS, SCREWS, ETC.) ATTACHING TIMBER CONNECTORS (JOIST HANGERS, POST CAPS AND BASES, ETC.) TO PT WOOD SHALL HAVE SIMILAR CORROSION RESISTANCE PROPERTIES (MATCHING PROTECTIVE TREATMENTS) AS THE PROTECTED CONNECTOR.

FASTENERS (NAILS, BOLTS, SCREWS, ETC.) ATTACHING SAWN TIMBER MEMBERS OR SHEATHING (SHEAR WALLS) TO PT WOOD BE CORROSION RESISTANT; NAILS AND LAG BOLTS SHALL BE EITHER HDG (ASTM A153) OR STAINLESS STEEL. VERIFY THE SUITABILITY OF THE FASTENER PROTECTION/COATING WITH THE WOOD TREATMENT CHEMICAL MANUFACTURER/SUPPLIER. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.

LAG BOLTS/BOLTS: CONFORM TO ASTM A307 AND OSSC SECTION 2304.9.

ENGINEERED WOOD PRODUCTS (BOISE CASCADE): THE FOLLOWING MATERIALS ARE BASED ON LUMBER MANUFACTURED BY BOISE CASCADE AND WERE USED FOR THE DESIGN AS SHOWN ON THE PLANS. ALTERNATE PROJECTS BY OTHER MANUFACTURERS MAY BE SUBSTITUTED PROVIDED THEY HAVE CURRENT ICC APPROVAL FOR EQUIVALENT OR GREATER LOAD AND STIFFNESS PROPERTIES AND ARE REVIEWED AND APPROVED BY THE STRUCTURAL ENGINEER.

a. LAMINATED VENEER LUMBER (Versa-Lam LVL): CONFORM TO ICC ES REPORT NO. ESR-1040. b. TAPERED AND PARALLEL CHORD I-JOISTS (DEFERRED SUBMITTAL): CONFORM TO ICC REPORT NO. ESR-1336. THE MANUFACTURER SHALL DESIGN THE JOISTS FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS, JOISTS SHALL HAVE LVL CHORDS AND SOLID WOOD WEBS, JOISTS SHALL BE TAPERED OR PARALLEL AS SHOWN ON THE PLANS.

TABLE of ENGINEERED WOOD REQUIREMENTS (BOISE CASCADE)

TYPE	USE	WIDTHS	E(10e6)	Fb	Fv	Fcll
VERSA-LAM	RIMBOARD	1 ⁵ ⁄ ₁₆ "	1.4E	1,800	225	1,100
VERSA-LAM	STAIR STRINGER	1 ⁵ ⁄ ₁₆ "	1.4E	1,800	225	1,100
VERSA-LAM	HEADER BEAM	1¾",25%" 3½"& UP	2.0E 2.0E	2,800 3,100	285 285	3,000 3,000
VERSA-LAM	COLUMNS	ALL	1.7E	2,650	285	3,000
VERSA-STUD	WALL STUDS	ALL	1.7E	2,400	285	3,000

REFERENCE SOURCES: BOISE CASCADE: WESTERN SPECIFIER GUIDE

NAILING REQUIREMENTS: CONFORM TO OSSC SECTION 2304.9 "CONNECTIONS AND FASTENERS." UNLESS NOTED ON PLANS, NAIL PER TABLE 2304.9.1. NAILING FOR ROOF/FLOOR DIAPHRAGMS/SHEAR WALLS SHALL BE PER DRAWINGS. NAILS SHALL BE DRIVEN FLUSH AND SHALL NOT FRACTURE THE SURFACE OF SHEATHING. ALTERNATE NAILS MAY BE USED BUT ARE SUBJECT TO REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER. SUBSTITUTION OF STAPLES FOR THE NAILING OF RATED SHEATHING IS SUBJECT TO REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION.

STANDARD LIGHT-FRAME CONSTRUCTION: UNLESS NOTED ON THE PLANS, CONSTRUCTION SHALL CONFORM TO OSSC SECTION 2308 "CONVENTIONAL LIGHT-FRAME CONSTRUCTION."

[NAILERS ON STEEL COLUMNS AND BEAMS: WOOD 3x NAILERS ARE GENERALLY REQUIRED ON ALL HSS COLUMNS AND STEEL BEAMS ABUTTING OR EMBEDDED WITHIN WOOD FRAMING, UNLESS NOTES OTHERWISE, ATTACH WITH 5/8"Ø BOLTS OR WELDED STUDS AT 16" ON CENTERS. WOOD NAILERS ON BEAMS SUPPORTING JOIST HANGERS SHALL NOT OVERHANG THE BEAM FLANGE BY MORE THAN $\frac{1}{4}$ ".]

MOISTURE CONTENT: WOOD MATERIAL USED FOR THIS PROJECT SHALL HAVE MAXIMUM MOISTURE CONTENT OF 19% EXCEPT FOR THE PRESSURE0-TREATED WOOD SILL PLATE. REFER TO TESTING & INSPECTIONS FOR THE VERIFICATION OF THESE LIMITS. THE MAXIMUM MOISTURE CONTENT REQUIRED MAY BE LESS THAN 19% WHEN BASED ON A PARTICULAR CLADDING/INSULATION SYSTEM. REFER TO THE ARCHITECT'S DRAWINGS AND PROJECT SPECIFICATIONS, OR WITH CLADDING INSTALLER FOR MAXIMUM RECOMMENDED MOISTURE CONTENT.

SHRINKAGE COMPENSATION FOR MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS: MEP SYSTEMS, INCLUDING DUCTWORK, PIPES, AND OTHER ELEMENTS THAT RUN CONTINUOUSLY BETWEEN LEVELS SHALL BE INSTALLED/DESIGNED IN SUCH A MANNER TO ACCOMMODATE SHRINKAGE IN THE WOOD FRAMING. WOOD SHRINKAGE AMOUNTS WILL VARY DEPENDING ON THE CONSTRUCTION PROCESS AND MATERIALS USED. THE ANTICIPATED SHRINKAGE UNDER TYPICAL CONDITIONS IS EXPECTED TO RANGE BETWEEN 1/8" AND 1/4" PER FLOOR.

CLADDING COMPATIBILITY: THE ARCHITECT/OWNER SHALL REVIEW THE CLADDING AND INSULATION SYSTEMS PROPOSED FOR THE PROJECT WITH RESPECT TO THEIR PERFORMANCE OVER WOOD STUDS WITH MOISTURE CONTENTS GREATER THAN 19%. EIFS SYSTEMS SHOULD BE AVOIDED ON WOOD-FRAMED PROJECTS DUE TO PROBLEMS WITH MOISTURE PROOFING.

PRESERVATIVE TREATMENT (PT): WOOD MATERIALS ARE REQUIRED TO BE "TREATED WOOD" IN ACCORDANCE WITH OSSC SECTION 2304.11. "DECAY AND TERMITE PROTECTION" SHALL CONFORM TO THE APPROPRIATE STANDARDS OF THE AMERICAN WOOD-PRESERVERS ASSOCIATION (AWPA) FOR SAWN LUMBER, GLUE LAMINATED TIMBER, ROUND POLES, WOOD PILES AND MARINE PILES. FOLLOW AMERICAN LUMBER STANDARDS COMMITTEE (ALSC) QUALITY ASSURANCE PROCEDURES. PRODUCTS SHALL BEAR THE APPROPRIATE MARK. FASTENERS OR ANCHORS IN TREATED WOOD SHALL BE OF STAINLESS STEEL OR HOT-DIPPED GALVANIZED OR AS PER OSSC 2304.9.5.

MUD SILL PLATES IN NORMALLY DRY INTERIOR APPLICATIONS MAY BE TREATED WITH SODIUM BORATE (DOT -Disodium Octaborate Tetrahydrate) AS RECENT STUDIES HAVE NOTED LESS CONNECTOR CORROSION POTENTIAL THAT OTHER AVAILABLE WOOD TREATMENTS OR THE ORIGINAL CCA TREATED SILL PLATES. WOOD TREATED WITH SODIUM BORATE SHALL BE PROTECTED DURING SHIPMENT, STORAGE AND INSTALLATION TO MINIMIZE LEACHING OF THE WATER-SOLUBLE PRESERVATIVE FROM THE LUMBER. SODIUM BORATE PRESSURE TREATED PLATES DO NOT REQUIRE HOT-DIPPED GALVANIZED CONNECTORS.

IF USING SILL PLATES OTHER THAN CCA OR SODIUM BORATE, FASTENER MUST BE HOT DIPPED GALVANIZED OR STAINLESS STEEL. FASTENERS (NAILS, BOLTS, SCREWS, WASHERS & LAG SCREWS) ATTACHING TIMBER CONNECTORS (JOIST HANGERS, POST CAPS AND BASES, ETC.) TO PT WOOD SHALL HAVE SIMILAR CORROSION RESISTANCE PROPERTIES (MATCHING PROTECTIVE TREATMENTS) AS THE PROTECTED CONNECTOR; THAT IS, USE HOT DIPPED GALVANIZED OR STAINLESS STEEL FASTENERS. FASTENERS (NAILS, BOLTS, SCREWS, WASHERS & LAG SCREWS) ATTACHING SAWN TIMBER MEMBERS OR SHEATHING (SHEAR WALLS) TO PT WOOD BE CORROSION RESISTANT (HOT DIPPED GALVANIZED OR STAINLESS STEEL). ALWAYS VERIFY THE SUITABILITY OF THE FASTENER PROTECTION/COATING WITH THE WOOD TREATMENT CHEMICAL MANUFACTURER/SUPPLIER.



333 S. 4TH STREET COOS BAY, OR 97420 P: 541.269.1166 www.hgel.com general@hge1.com





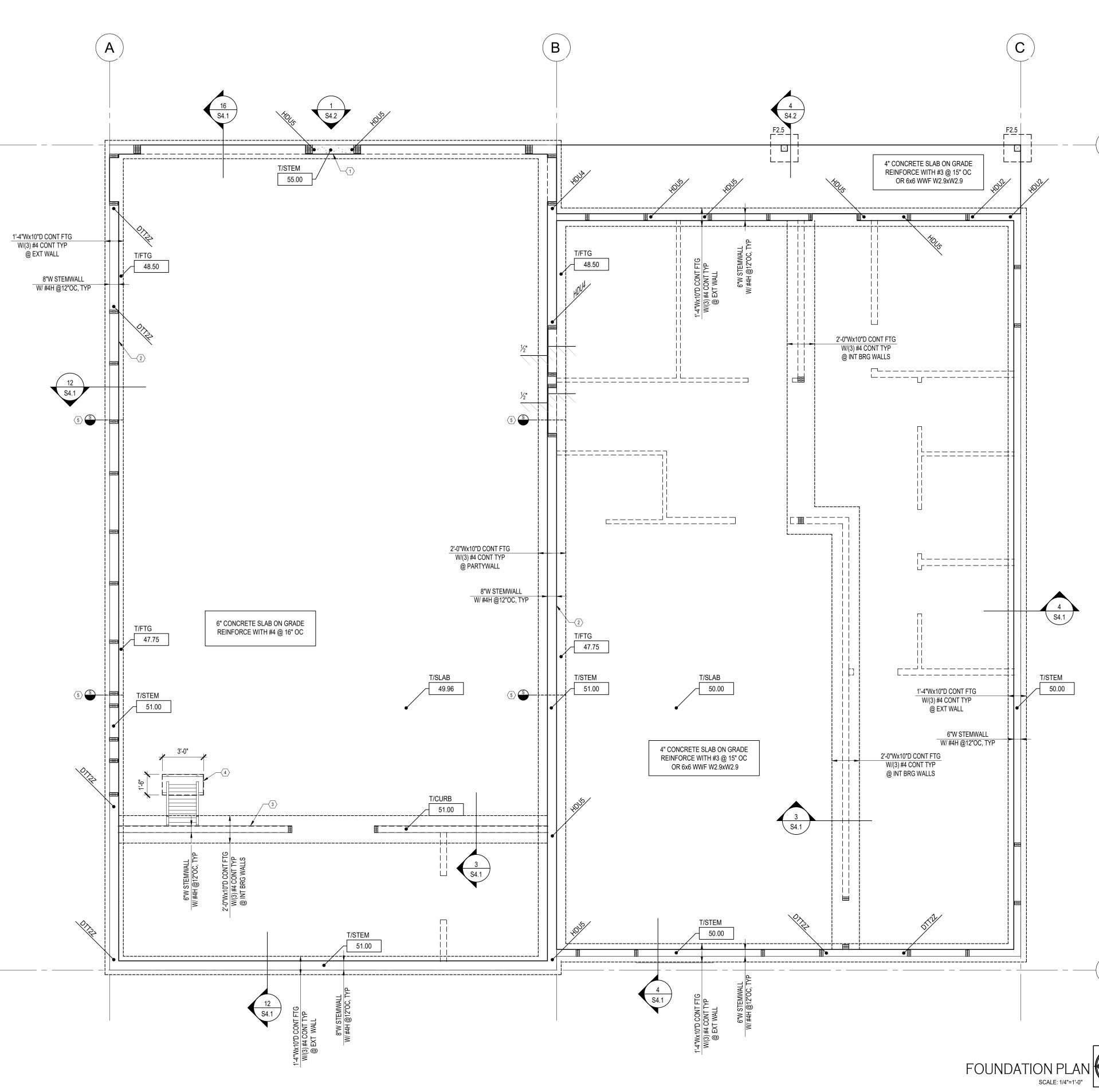
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DATE: JANUARY 2024 SHEET TITLE:

GENERAL NOTES



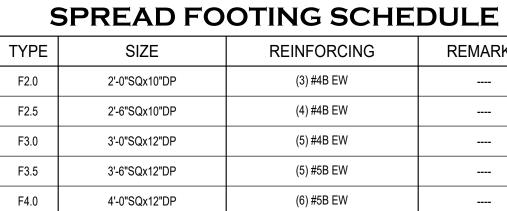


FOUNDATION PLAN NOTES:

- 1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.
- 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS.
- 3. CONTRACTOR SHALL LOCATE AND VERIFY THE FOLLOWING WITH OTHERS PRIOR TO POURING CONCRETE: ALL DOOR OPENINGS IN FOUNDATION WALLS; DRAINS AND SLOPES; BLOCKOUTS FOR PLUMBING, SPRINKLERS AND HVAC. ALL DUCTS, CHASES AND PIPES PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS. CONCRETE CURBS AND LOCATIONS PER ARCHITECTURAL DRAWINGS.
- 4. TOP OF SLAB (T/SLAB) ELEVATION ASSUMED 0'-0". FOR ACTUAL T/SLAB ELEVATION REFER TO CIVIL AND ARCHITECTURAL DRAWINGS. PROVIDE 6 MIL VAPOR BARRIER BELOW SLAB AT INTERIOR SPACES. PROVIDE FREE-DRAINING GRANULAR FILL PER VAPOR BARRIER MANUFACTURER.
- 5. TYPICAL TOP OF INTERIOR (T/INTERIOR) FOOTING ELEVATION = 50.00, UNO. TYPICAL TOP OF EXTERIOR (T/EXTERIOR) FOOTING ELEVATIONS = 47.75, UNO.
- 6. STEP EXTERIOR FOOTING PER DETAIL 13/S4.1. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FOUNDATION STEPS.
- 7. ALL FOOTINGS AND SLABS TO BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL. SUBGRADE PREPARATION, STRUCTURAL FILL, FOOTING DRAINS, AND OTHER REQUIREMENTS AS NOTED IN THE STRUCTURAL GENERAL NOTES.
- 8. CJ INDICATES CONTROL JOINT PER PLAN. CONTRACTOR TO PROVIDE CONSTRUCTION AND CONTROL JOINT PLAN TO EOR FOR REVIEW.
- 9. HOLD DOWNS INDICATED AS REFERENCE FOR ANCHOR BOLT SIZE AND PLACEMENT. REFER TO HOLD DOWN SCHEDULE FOR ANCHOR BOLT SIZE AND EMBEDMENT.
- 10. ALL WOOD EXPOSED TO CONCRETE, WEATHER, OR WITHIN 8" OF FINISHED GRADE SHALL BE PRESSURE-TREATED.
- 11. MOISTURE PROOF ALL CONCRETE STEM AND BASEMENT WALLS PER ARCHITECT.
- 12. STEEL STAIRS SHALL BE BIDDER-DESIGNED, UNO. APPLICABLE DESIGN REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- 13. TYPICAL DETAILS PER:
- 1/S4.1 STANDARD HOOKS AND BAR BENDS
- 7/S4.1 TYPICAL DEPRESSED SLAB DETAIL 6/S4.1 PLAN - TYPICAL CORNER REINFORCEMENT AT CONCRETE WALL
- 10/S4.1 PLAN - TYPICAL CORNER REINFORCEMENT AT CONCRETE FOOTINGS
- 15/S4.1 TYPICAL SLAB ON GRADE JOINT DETAILS WITH REINFORCING 5/S4.1 PLAN - TYPICAL SILL PLATE ANCHORAGE TO CONCRETE 9/S4.1 TYPICAL SILL PLATE ANCHORAGE TO CONCRETE
- 3/S4.2 TYPICAL LAP SPLICE AND DEVELOPMENT SCHEDULE

PLAN HEX NOTES:

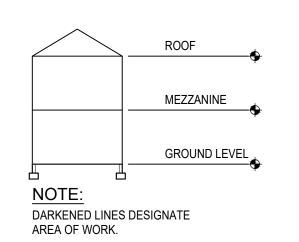
- TOP OF STEM WALL 48" ABOVE SLAB ELEVATION. REFER TO 19/S4.1
- (2) INTERIOR STEMWALL TO MATCH HEIGHT OF STEMWALL AT GARAGE PERIMETER
- (3) 6"x12" CONCRETE CURBING PLACED AFTER CONCRETE SLAB. DOWEL CURB INTO SLAB WITH #4 DOWELS AT 18"OC. PLACE #4 CONT TOP OF CURB. CONFIRM CURB HEIGHT TO PERIMETER STEMWALL WITH ARCHITECT
- THICKEN SLAB TO 8" MINIMUM UNDER SHIPS LADDER FOR ANCHOR BOLTS BY OTHERS $\langle 4 \rangle$
- STEPPED FOOTING VERIFY LOCATION WITH ARCHITECTURAL AND CIVIL DRAWINGS $\langle 5 \rangle$



NOT ALL FOOTING MAY BE USED ON THIS PROJECT



2





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REMARKS



BUILDING

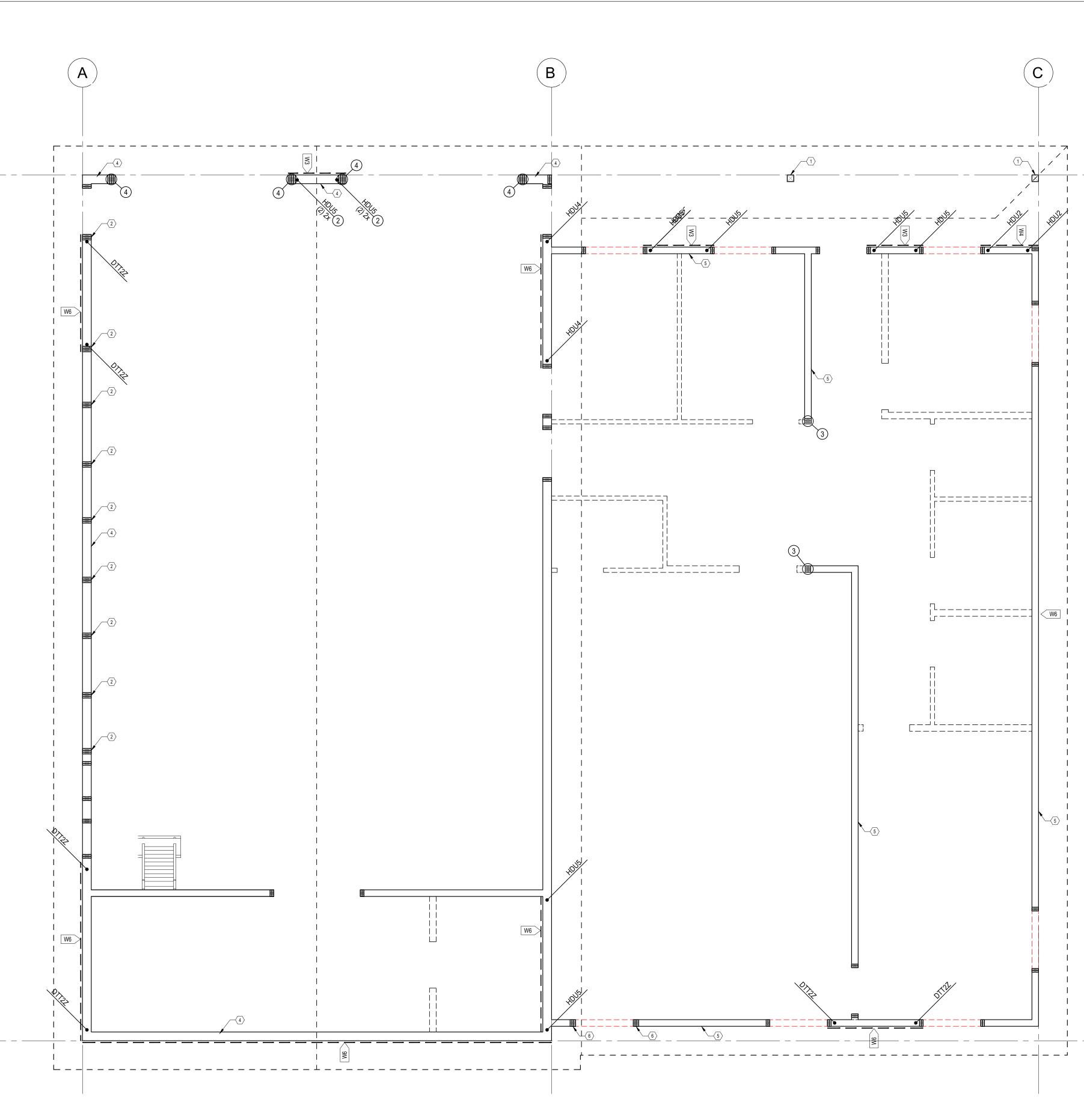
CONSTRUCTION

REVISIONS: # DATE DESCRIPTION

DATE: JANUARY 2024 SHEET TITLE:

FOUNDATION PLAN





FIRST FLOOR SHEAR WALL AND POST PLAN

STUD AND SHEAR WALL PLAN NOTES:

- 1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.
- 2. LUMBER GRADE PER STRUCTURAL GENERAL NOTES.
- 3. BALLOON FRAME ALL WALLS GREATER THAN ONE LEVEL 10'-0" WITH (2) 2x @ 16"OC.
- 4. ALL INTERIOR NON-BEARING, NON-STRUCTURAL WALL STUD REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- 5. HEADERS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (1) TRIMMER AND (1) KING STUD MINIMUM, UNO. WHERE MORE THAN (1) TRIMMER IS REQUIRED, THE NUMBER OF TRIMMER STUDS SHALL BE NOTED THUS: -2. TRIMMERS TO BE CONTINUOUS TO THE FOUNDATION.
- 6. BEAMS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (2) BUNDLED STUDS MINIMUM, UNO. WHERE MORE THAN (2) BUNDLED STUDS ARE REQUIRED, THE NUMBER OF BUNDLED STUDS SHALL BE NOTED THUS: -3 . BUNDLED STUDS TO BE CONTINUOUS TO THE FOUNDATION.
- 7. SHEAR WALL AND NAILING REQUIREMENTS PER SHEAR WALL SCHEDULE 2/S7.1.
- 8. SHEATH ALL EXTERIOR WALLS PER SHEAR WALL TYPE W6 UNO.
- 9. TYPICAL SHEAR WALL ELEVATION PER 3/S7.1.



- 10. INDICATES HOLD-DOWN TYPE PER HOLD-DOWN SCHEDULE 15/S7.1. CIRCLED NUMBER INDICATES NUMBER OF TRIM STUDS REQUIRED AND BOTTOM NUMBER INDICATES NUMBER OF FULL HEIGHT (KING) STUDS REQUIRED IN ADDITION TO BUNDLED OR TRIM STUDS OR POSTS SHOWN ON PLAN.
- 11. TYPICAL HOLD-DOWN ELEVATION PER 5/7.1.
- 12. ANCHOR BOLTS TO BE ⁵/₈"Ø x 7" MINIMUM EMBEDMENT PER 13/S4.1. PROVIDE HOT-DIPPED GALVANIZED ANCHOR BOLTS AT PRESSURE-TREATED SILL PLATES.

13. TYPICAL DETAILS PER:

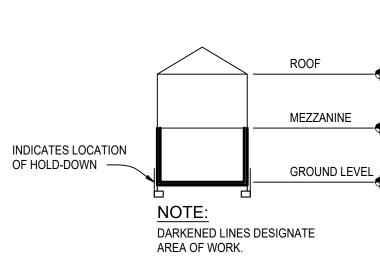
3/S7.1 12/S6.1	
2/S6.1	
4/S6.1	

TYPICAL SHEAR WALL ELEVATION TYPICAL STUD WALL OPENING (HEADER) DETAIL TYPICAL BUILT-UP HEADER DETAIL TYPICAL PLATE SPLICE DETAIL

- PLAN HEX NOTES:
- (1) 6x6 DF#1 POST WITH ABU POST BASE
- (1) 2x8 JAMB (TRIMMER) STUD, (2) 2x8 KING STUDS
- (3) 2x6 OUTLOOKS @ 24"OC WITH SIMPSON JB26 TOP FLANGE HANGERS
- (4) 2x8 DF#2 STUDS @16"OC
- (5) 2x6 DF#2 STUDS @16"OC. STUD LENGTH GREATER THAN 15'-0" DOUBLE STUDS
- (1) 2x6 JAMB (TRIMMER) STUD, (2) 2x6 KING STUD



2



HGE ARCHITECTS.

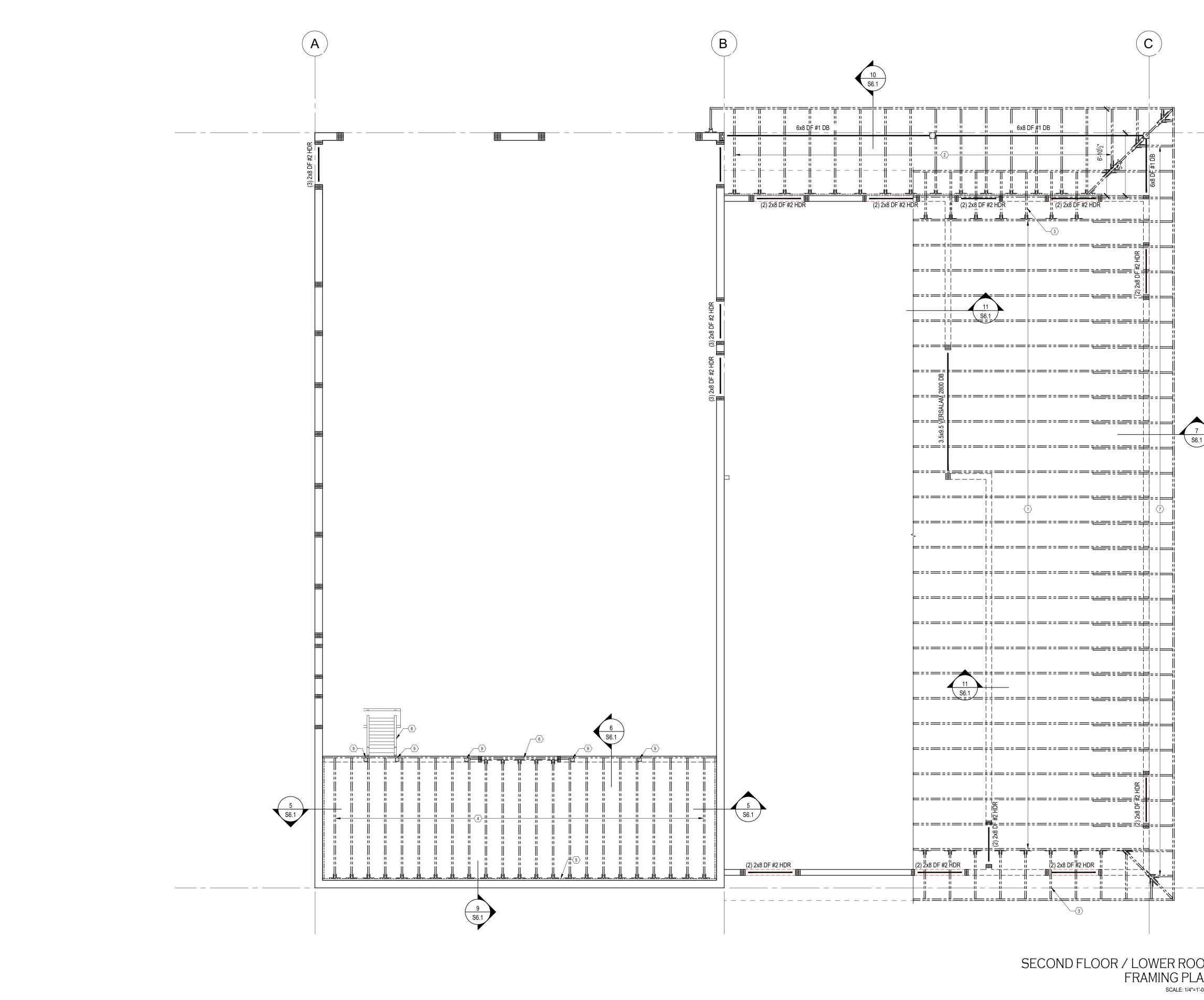
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DATE: JANUARY 2024 SHEET TITLE: FIRST FLOOR SHEAR WALL AND POST PLAN





FLOOR FRAMING PLAN NOTES:

- 1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.
- 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECT'S DRAWINGS.
- 3. FLOOR SHEATHING PER PLAN AND STRUCTURAL GENERAL NOTES. SHEATHING TO BE GLUED AND NAILED TO FRAMING WITH 0.131"Øx21/2" NAILS @ 6"OC AT PANEL EDGES AND @ 12"OC FIELD, UNO. LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
- 4. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- 5. ALL WOOD EXPOSED TO CONCRETE, WEATHER, OR WITHIN 8" OF FINISHED GRADE SHALL BE PRESSURE-TREATED.
- 6. ALL 2x HANGERS TO BE TOP FLANGE BEARING SIMPSON JB TYPE, UNO. GLULAM, PARALLAM AND MICROLLAM HANGERS ARE AS SPECIFIED ON PLAN. "I" JOIST HANGERS TO BE TOP FLANGE BEARING SIMPSON MIT OR ITS TYPE, UNO.
- 7. BEAMS ARE FLUSH FRAMED WITH JOISTS UNLESS NOTED OTHERWISE ON DETAILS, OR ON PLANS AS "DB" INDICATING THAT DROPPED BEAM FRAMING IS REQUIRED. BEAM SUPPORTS PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW. PROVIDE A35 CLIP EACH SIDE OF FLUSH BEAMS THAT BEAR ON DOUBLE TOP PLATES.
- 8. PROVIDE FULL HEIGHT SOLID BLOCKING OR DOUBLE JOISTS UNDER ALL SHEAR WALLS AND BEARING WALLS. AT SHEAR WALLS PARALLEL TO FRAMING, ALIGN (1) JOIST OVER SHEAR WALL (ADDITIONAL JOISTS MAY BE REQUIRED).
- 9. ALL RIM JOISTS TO BE 1¹/₂" LSL MINIMUM UNO.
- 10. PROVIDE DOUBLE JOISTS AROUND ALL FLOOR AND ROOF OPENINGS GREATER THAN 24" ON ONE SIDE.
- 11. BEARING STUD, SHEAR WALL, HOLD-DOWN, POST SIZE, AND POST CAP AND BASE REQUIREMENTS BELOW PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW.

ROOF FRAMING PLAN NOTES:

- 1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.
- 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECT'S DRAWINGS.
- 3. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- 4. ROOF SHEATHING PER PLAN AND STRUCTURAL GENERAL NOTES. SHEATHING TO BE NAILED TO ROOF FRAMING WITH 0.131"Øx2¹/₂" NAILS @ 6"OC AT PANEL EDGES AND @ 12"OC FIELD, UNO. LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
- 5. ALL 2x HANGERS TO BE TOP FLANGE BEARING SIMPSON JB TYPE, UNO. GLULAM, PARALLAM AND MICROLLAM HANGERS ARE AS SPECIFIED ON PLAN. "I" JOIST HANGERS TO BE TOP FLANGE BEARING SIMPSON MIT OR ITS TYPE, UNO.
- 6. HEADERS SHOWN BUT NOT SPECIFIED ARE TO BE (2) 2x8 MINIMUM. HEADER SUPPORTS PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW.
- 7. BEAMS ARE FLUSH FRAMED WITH JOISTS UNLESS NOTED OTHERWISE ON DETAILS, OR ON PLANS AS "DB" INDICATING THAT DROPPED BEAM FRAMING IS REQUIRED. BEAM SUPPORTS PER STUD AND SHEAR WALL PLAN ON LEVEL BELOW. PROVIDE A35 CLIP EACH SIDE OF FLUSH BEAMS THAT BEAR ON DOUBLE TOP PLATES.
- 8. PROVIDE SIMPSON H2.5A TIES AT ALL ROOF JOISTS, TYPICAL.
- 9. PROVIDE SOLID BLOCKING OVER ALL SHEAR WALLS AND BEARING WALLS. AT SHEAR WALLS PARALLEL TO FRAMING, ALIGN JOIST OR TRUSS OVER SHEAR WALL (ADDITIONAL JOISTS OR TRUSSES MAY BE REQUIRED).

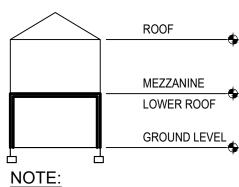
PLAN HEX NOTES:

- 11⁷/₈" BCI 5000 1.7DF ROOF JOISTS @ 24"OC
- 2 2x6 ROOF JOISTS @ 24"OC
- (3) 2x6 OUTLOOKS @ 24"OC WITH SIMPSON JB26 TOP FLANGE HANGERS
- 4 11⁷/₈" BCI 5000 1.7DF FLOOR JOISTS @ 16"OC. DESIGNED FOR A LIVE LOAD = 125 PSF
- (5) $1\frac{3}{4}$ "x $11\frac{7}{8}$ " LVL LEDGER WITH (3) $\frac{1}{4}$ "Øx $4\frac{1}{2}$ " SDS SCREWS EACH STUD
- 6 DOUBLE RIMBOARD OVER OPENING.
- 2x6 DF#2 CANTILEVERED RAFTER EXTENSIONS
 (8) STEEL SHIPS LADDER ACCESS TO MEZZANINE BY OTHERS
- (9) 4x4 POST TO STABILIZE PARTIAL WALL ABOVE. SECURE TO LEDGER WITH (2) $\frac{1}{4}$ "Øx4" SDS SCREWS



S6.1





DARKENED LINES DESIGNATE AREA OF WORK.



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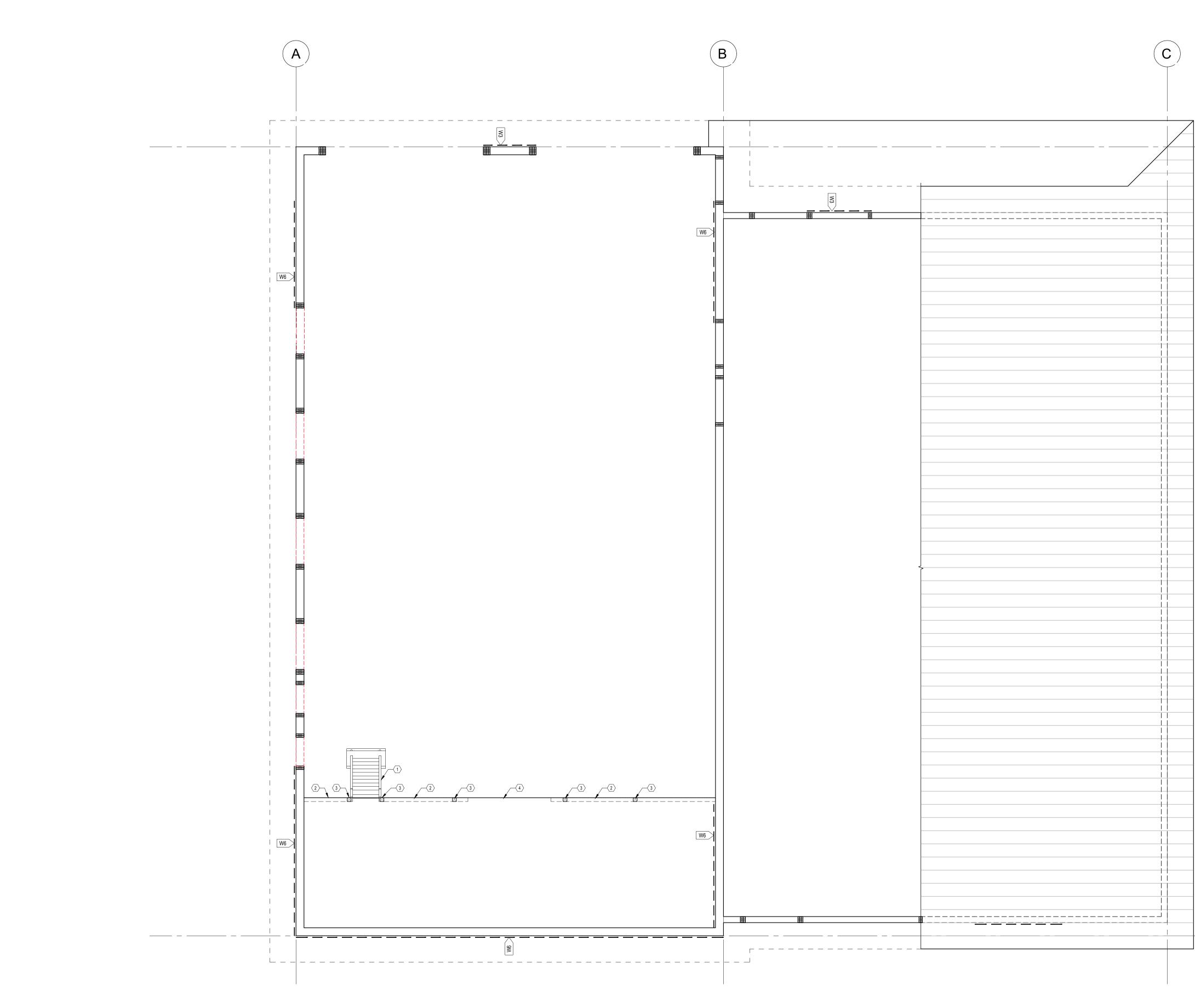
MAINTENANC E SCHOOL DISTRICT

5

PROJECT NO.:

SECOND FLOOR / LOWER ROOF FRAMING PLAN





SECOND FLOOR SHEAR WALL AND POST PLAN SCALE: 1/4"=1'-0"

STUD AND SHEAR WALL PLAN NOTES:

- 1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.
- 2. LUMBER GRADE PER STRUCTURAL GENERAL NOTES.
- 3. BALLOON FRAME ALL WALLS GREATER THAN ONE LEVEL 10'-0" WITH (2) 2x @ 16"OC.
- 4. ALL INTERIOR NON-BEARING, NON-STRUCTURAL WALL STUD REQUIREMENTS PER STRUCTURAL GENERAL NOTES.
- 5. HEADERS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (1) TRIMMER AND (1) KING STUD MINIMUM, UNO. WHERE MORE THAN (1) TRIMMER IS REQUIRED, THE NUMBER OF TRIMMER STUDS SHALL BE NOTED THUS: (-2). TRIMMERS TO BE CONTINUOUS TO THE FOUNDATION.
- 6. BEAMS SHOWN ON FRAMING PLAN SHALL BE SUPPORTED BY (2) BUNDLED STUDS MINIMUM, UNO. WHERE MORE THAN (2) BUNDLED STUDS ARE REQUIRED, THE NUMBER OF BUNDLED STUDS SHALL BE NOTED THUS: -3 . BUNDLED STUDS TO BE CONTINUOUS TO THE FOUNDATION.
- 7. SHEAR WALL AND NAILING REQUIREMENTS PER SHEAR WALL SCHEDULE 2/S7.1.
- 8. SHEATH ALL EXTERIOR WALLS PER SHEAR WALL TYPE W6 UNO.
- 9. TYPICAL SHEAR WALL ELEVATION PER 3/S7.1.



- 10. INDICATES HOLD-DOWN TYPE PER HOLD-DOWN SCHEDULE 15/S7.1. CIRCLED NUMBER INDICATES NUMBER OF TRIM STUDS REQUIRED AND BOTTOM NUMBER INDICATES NUMBER OF FULL HEIGHT (KING) STUDS REQUIRED IN ADDITION TO BUNDLED OR TRIM STUDS OR POSTS SHOWN ON PLAN.
- 11. TYPICAL HOLD-DOWN ELEVATION PER 5/7.1.
- 12. ANCHOR BOLTS TO BE ⁵/8" x 7" MINIMUM EMBEDMENT PER 13/S4.1. PROVIDE HOT-DIPPED GALVANIZED ANCHOR BOLTS AT PRESSURE-TREATED SILL PLATES.

13. TYPICAL DETAILS PER:

3/S7.1
12/S6.1
2/S6.1
4/S6.1

TYPICAL SHEAR WALL ELEVATION TYPICAL STUD WALL OPENING (HEADER) DETAIL TYPICAL BUILT-UP HEADER DETAIL TYPICAL PLATE SPLICE DETAIL

PLAN HEX NOTES:

- (1) STEEL SHIPS LADDER ACCESS TO MEZZANINE BY OTHERS
- $\langle 2 \rangle$ 4x4 POST TO STABILIZE PARTIAL WALL ABOVE. SECURE TO LEDGER WITH (2) ¹/₄"Øx4" SDS SCREWS. MAXIMUM SPACING 64 INCHES.
- (3) PARTIAL HEIGHT WALL PARTITION PER ARCHITECT
- (4) 6' LIFT OUT SECURITY GATE BY OTHERS

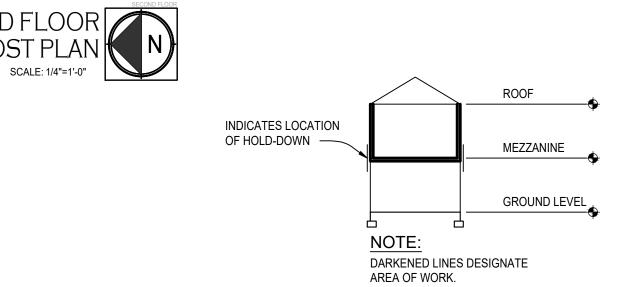


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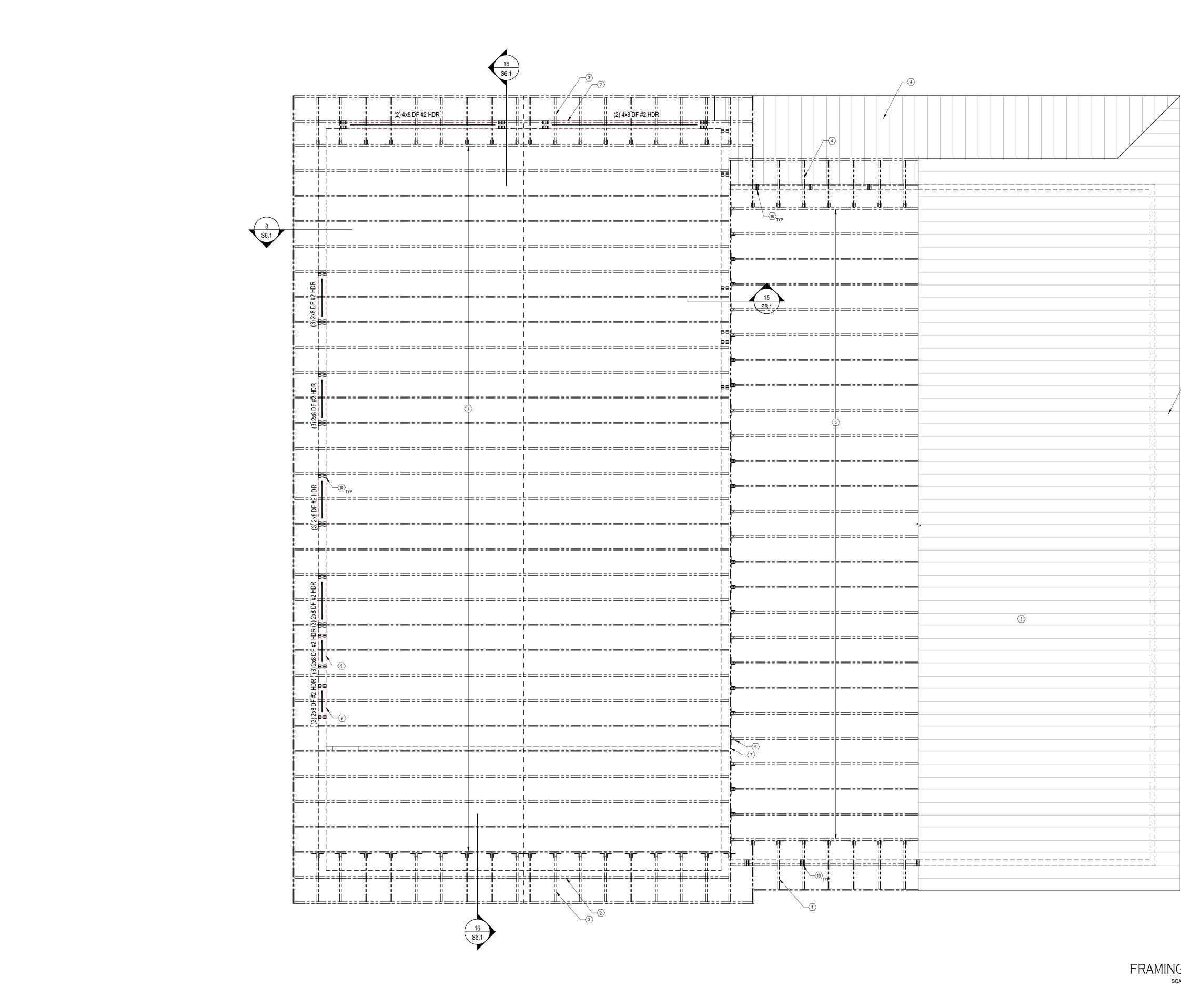


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DATE: JANUARY 2024 SHEET TITLE: SECOND FLOOR SHEAR WALL AND POST PLAN





ROOF FRAMING PLAN NOTES:

- 1. STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND PER S1.1 AND S1.2.
- 2. VERIFY ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECT'S DRAWINGS.
- 3. ALL DUCTS, CHASES AND PIPES SHALL BE PER MECHANICAL, PLUMBING, ELECTRICAL AND SPRINKLER DRAWINGS. STAIR DETAILS AND GUARDRAILS PER ARCHITECTURAL DRAWINGS.
- 4. ROOF SHEATHING PER PLAN AND STRUCTURAL GENERAL NOTES. SHEATHING TO BE NAILED TO ROOF FRAMING WITH 0.131"Øx2¹/₂" NAILS @ 6"OC AT PANEL EDGES AND @ 12"OC FIELD, UNO. LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
- 5. ALL 2x HANGERS TO BE TOP FLANGE BEARING SIMPSON JB TYPE, UNO. GLULAM, PARALLAM AND MICROLLAM HANGERS ARE AS SPECIFIED ON PLAN. "I" JOIST HANGERS TO BE TOP FLANGE BEARING SIMPSON MIT OR ITS TYPE, UNO.
- 6. HEADERS SHOWN BUT NOT SPECIFIED ARE TO BE (2) 2x8 MINIMUM. HEADER SUPPORTS PER STUD AND SHEAR WALL PLAN ON FLOOR BELOW. REFER TO 2/S6.1
- 7. BEAMS ARE FLUSH FRAMED WITH JOISTS UNLESS NOTED OTHERWISE ON DETAILS, OR ON PLANS AS "DB" INDICATING THAT DROPPED BEAM FRAMING IS REQUIRED. BEAM SUPPORTS PER STUD AND SHEAR WALL PLAN ON LEVEL BELOW. PROVIDE A35 CLIP EACH SIDE OF FLUSH BEAMS THAT BEAR ON DOUBLE TOP PLATES.
- 8. PROVIDE SIMPSON H2.5A TIES AT ALL ROOF JOISTS, TRUSSES TYPICAL.
- 9. ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING CRITERIA:
- ROOF SYSTEM TO BE BIDDER DESIGNED. ROOF PLAN SHOWN IS A SUGGESTED LAYOUT. CHANGES MUST BE SUBMITTED TO THE ENGINEER-OF-RECORD THRU THE ARCHITECT WITH BEARING POINTS AND REACTIONS TO STRUCTURE.
- TRUSS LAYOUT SHOWN IS APPROXIMATE. TRUSS SUPPLIER IS RESPONSIBLE FOR FINAL TRUSS LAYOUT AND CONFIGURATION. NOTIFY ENGINEER OF REVISIONS TO PLAN.
- STANDARD DEAD AND LIVE LOADS AND SUBMITTAL INFORMATION PER STRUCTURAL GENERAL NOTES
- SHADED REGION INDICATES APPROXIMATE AREA OF OVER-FRAMING. TRUSS MANUFACTURER IS RESPONSIBLE FOR DESIGNING THE OVER-FRAMING REQUIRED. TRUSSES SHALL BE DESIGNED TO SUPPORT OVER-FRAMING IN ADDITION TO THE SPECIFIED DESIGN LOADS.
- ALL GIRDER TRUSSES SHALL BE SUPPORTED BY A MINIMUM OF TWO STUDS. TRUSS MANUFACTURER TO SUBMIT TO ENGINEER GIRDER TRUSSES REACTIONS.
- ALL MULTIPLE STUDS SUPPORTING HIP MASTER AND GIRDER TRUSSES TO CONTINUE TO FOUNDATION.
- ROOF TRUSSES SHALL BE DESIGNED FOR ADDITIONAL LOADS FROM MECHANICAL UNITS, AND PIPING. CONTRACTOR TO PROVIDE THE TRUSS SUPPLIER WITH LOCATIONS AND SUPPORT CONDITIONS OF ALL MECHANICAL, ELECTRICAL, PLUMBING, AND SPRINKLER LOADS. SPECIAL TRUSS SHAPES AND OPENING REQUIREMENTS ARE AS DESIGNATED ON PLANS.
- PROVIDE SIMPSON H1 OR H2.5A HURRICANE TIES AT ALL ROOF TRUSSES AND ROOF JOISTS, TYPICAL.
- TRUSS HANGERS SHALL BE SUPPLIED AND DESIGNED BY THE TRUSS SUPPLIER.
- TRUSS MANUFACTURER TO DESIGN BEARING AT TOP PLATES FOR COMPRESSION PERPENDICULAR TO GRAIN f'c = 625psi.
- 10. BEARING STUD, SHEAR WALL, HOLD-DOWN, POST SIZE, AND POST CAP AND BASE REQUIREMENTS BELOW PER STUD AND SHEAR WALL PLAN.

PLAN HEX NOTES:

- (1) PRE ENGINEERED ROOF TRUSSES @ 24"OC WITH 2x6 TOP CHORDS
- 2 GABLE END TRUSS: DROP TOP CHORD FOR 2x6 OUTLOOKS PER PLAN
- (3) 2x6 OUTLOOKS @24"OC WITH SIMPSON LUS6 FACE MOUNTED HANGERS TO TRUSSES
- (4) 2x6 OUTLOOKS @24"OC WITH SIMPSON JB26 TOP FLANGE HANGERS TO I-JOISTS
- (5) 11⁷/₈" BCI 5000 1.7DF ROOF JOIST @24"OC
- (6) SIMPSON HU2.1/9X SLD 14 TOP FLANGE HANGER EACH RAFTER
- (7) 1½"x 11⁷/₈" LSL LEDGER. SECURE TO STUD WITH (2) ½"Øx4" SDS SCREWS EACH STUD.
- LOWER ROOF BELOW
- (9) CONFIRM PENETRATION SIZE WITH MECHANICAL DRAWINGS.
- (10) JAMB AND KING STUD FULL HEIGHT



	ROOF
	•
	MEZZANINE
	GROUND LEVEL
<u>ь</u> т	י ר נ
NOTE:	
	DESIGNATE
AREA OF WORK.	



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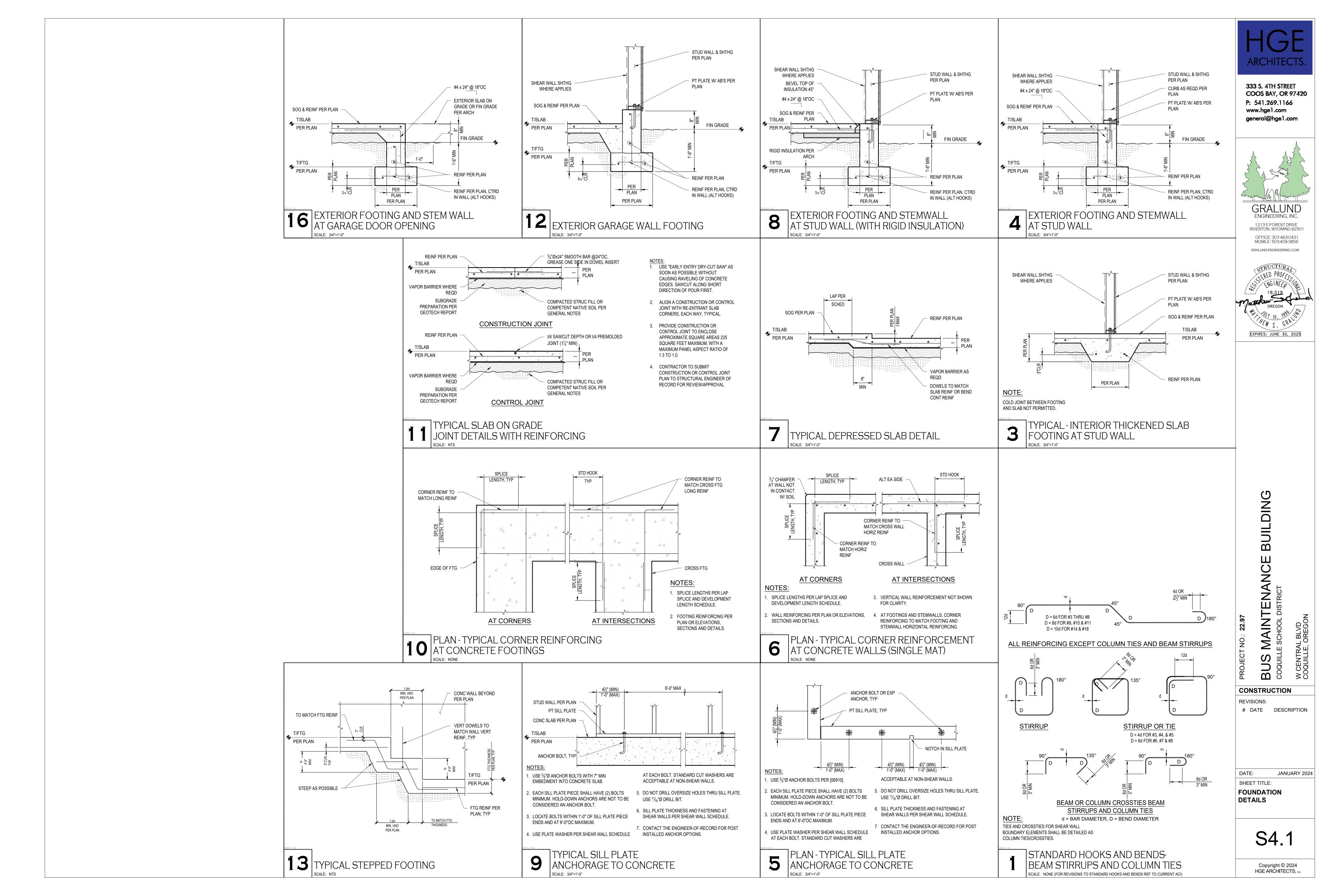
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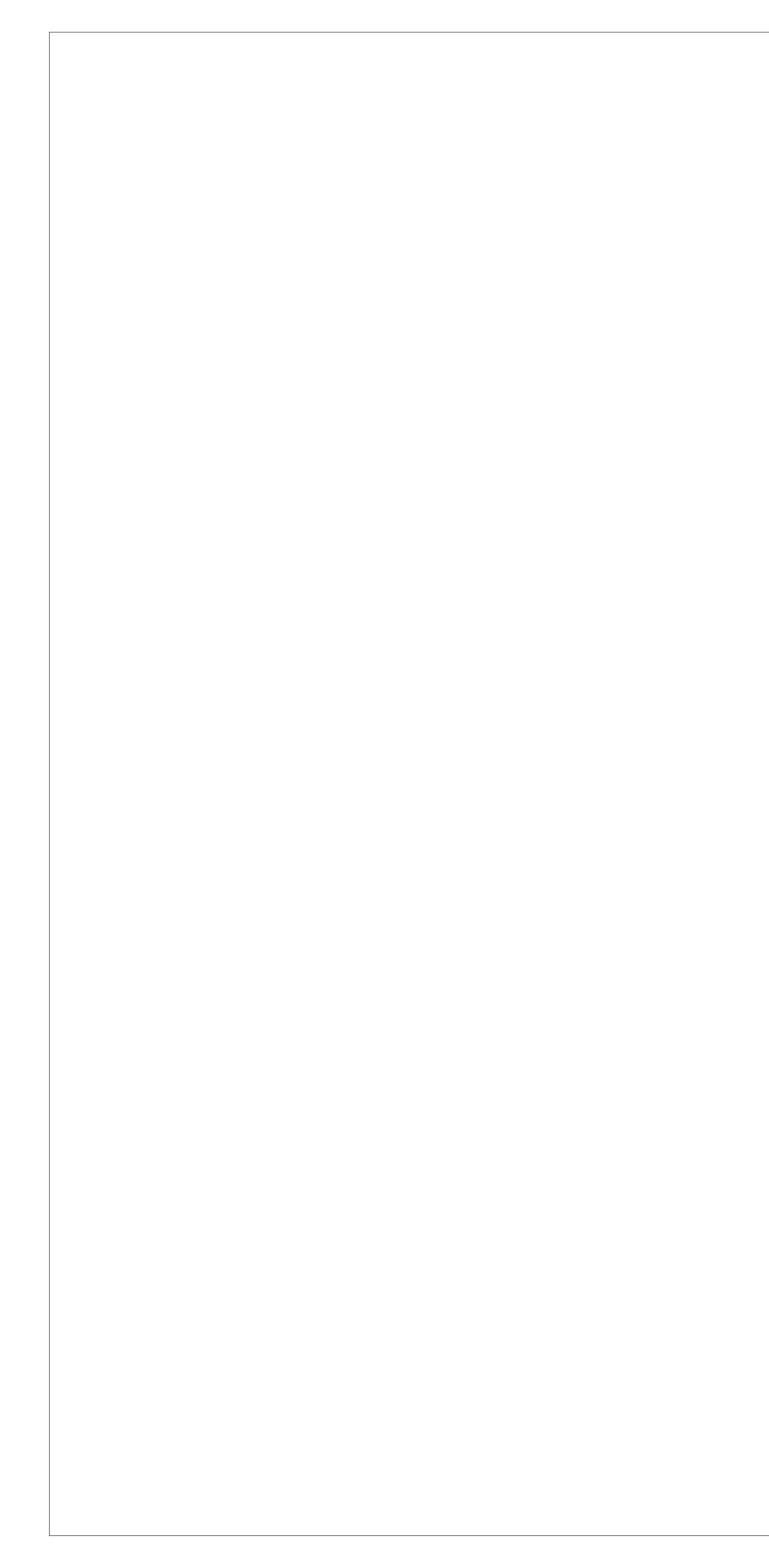
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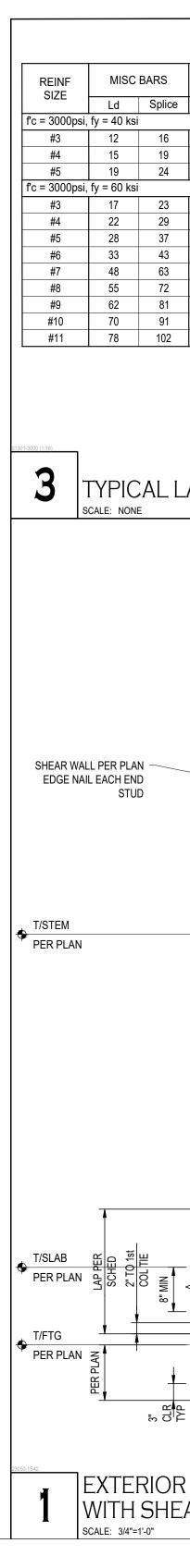
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JANUARY 2024 DATE: SHEET TITLE: ROOF FRAMING PLAN

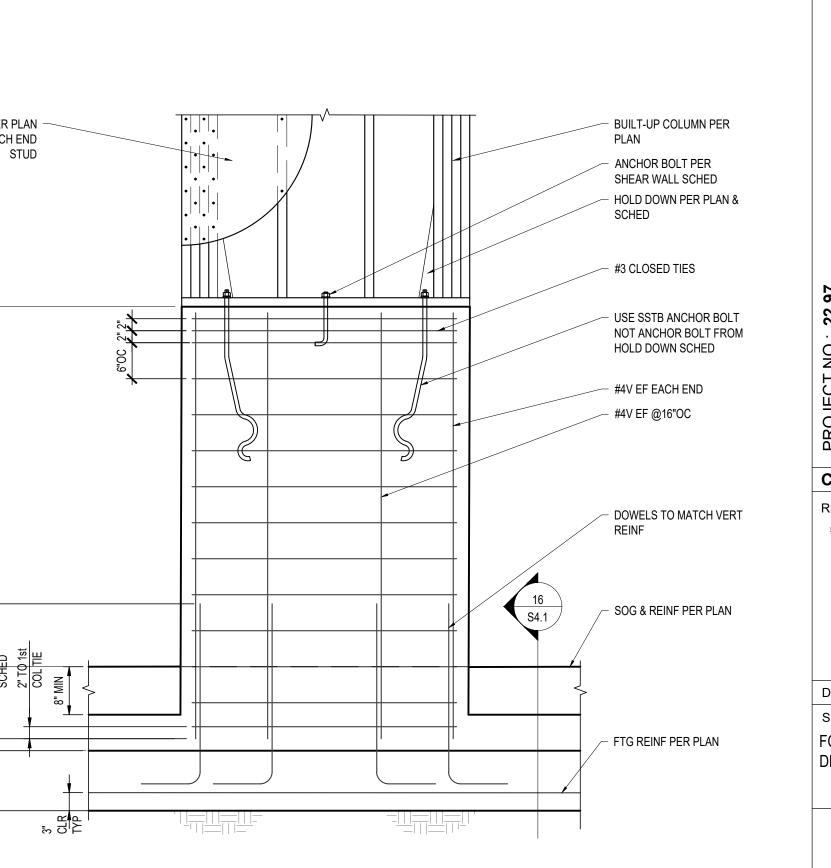








EXTERIOR CONCRETE PIER WITH SHEAR WALL ABOVE SCALE: 3/4"=1'-0"



TYPICAL LAP SPLICE AND DEVELOPMENT LENGTH SCHEDULE

MISC	BARS	TOP (see n	HOOKED BARS	
Ld	Splice	Ld	Splice	Ldh
= 40 ksi				
12	16	15	19	6
15	19	19	25	8
19	24	24	31	10
= 60 ksi				
17	23	22	29	9
22	29	29	38	11
28	37	36	47	14
33	43	43	56	17
48	63	63	82	20
55	72	72	94	22
62	81	81	106	25
70	91	91	119	28
78	102	101	132	31

 VALUES FOR UNCOATED REINFORCING AND NORMAL WEIGHT CONCRETE WITH CLEAR SPACING > db, CLEAR COVER > db AND MINIMUM STIRRUPS OR TIES THROUGHOUT Ld OR CLEAR SPACING > 2db AND CLEAR COVER > db.

DEVELOPMENT LENGTH Ld.

6. ALL TABULATED VALUES ARE IN INCHES.

AS "TOP BAR".

NOTES:

4 INTERIOR THICKENED SLAB FOOTING AT WOOD POST SCALE: 3/4"=1'-0"

2. REINFORCEMENT STRENGTH Fy=60 KSI FOR ALL BARS LARGER THAN #5. 40 KSI

5. TOP BAR = HORIZONTAL BAR WITH MORE THAN 12" OF FRESH CONCRETE BELOW (EXCLUDING WALL HORIZONTAL REINFORCING) OR AS NOTED ON DOCUMENTS

BEAMS, COLUMNS, OR SLABS UNLESS NOTED ON PLANS.

4. Ldh = DEVELOPMENT LENGTH OF BAR WITH STANDARD HOOK.

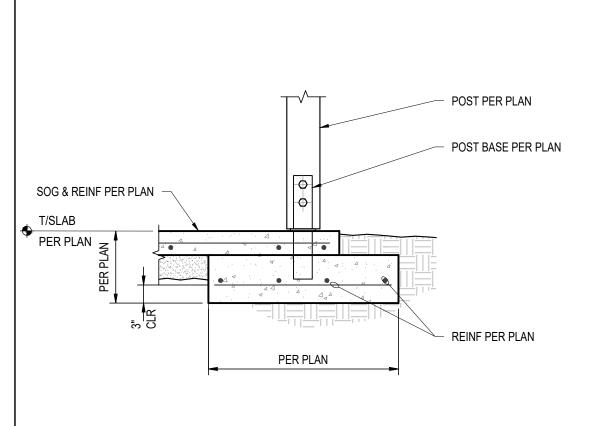
3. DEVELOP ALL REINFORCING IN STRUCTURAL SLABS WITH MINIMUM

7. COLUMN VERTICAL REINFORCING LAP SPLICE SCHEDULE PER [1302]

8. SHEAR WALL REINFORCING LAP SPLICE SCHEDULE PER [1304].

9. MOMENT FRAME REINFORCING LAP SPLICE SCHEDULE PER [1305].

STRENGTH REINFORCEMENT FOR ONLY FOR TIES AND STIRRUPS, NOT USED IN





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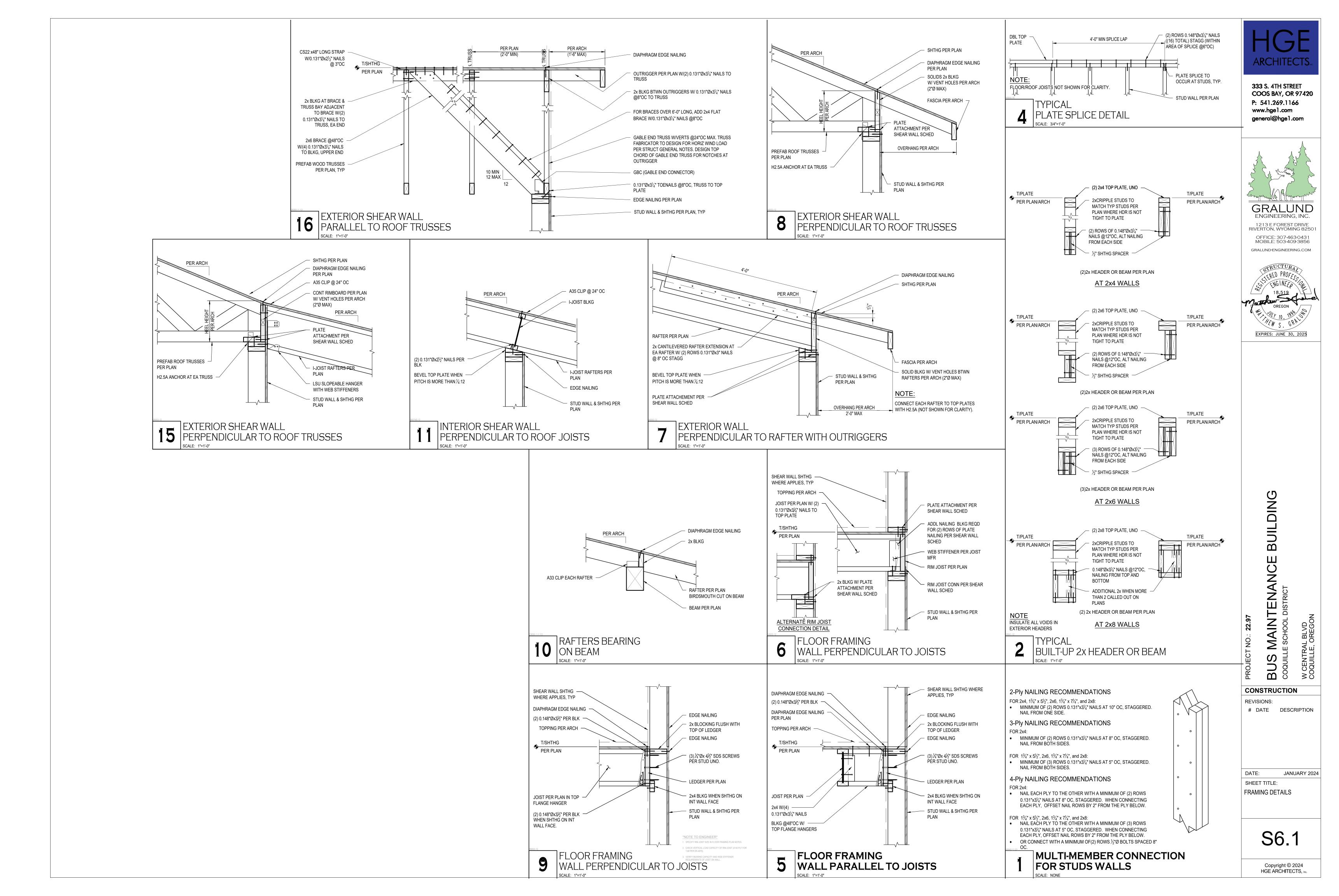


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P: 541.269.1166

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	[1, 2, 7, 11]				-				
	DOUGLAS FIR-LAI			DIAMETER			1	DMENT/CAPACITY FOOTING	
	TYPE	STUDS POSTS [3, 12]	ATTACHMENT TO POST (NAILS OR SCREWS)	DIAMETER [10]	STEM EMBED CIP [6, 13]		EMBED CIP [6]	CAPACITY	NOTES
()	DTT1Z	(1) 2x	(8) 0.148 x 1½ NAILS	³ ∕8"Ø	6"	0.91k	6"	0.91k	
DOWNS	DTT2Z	(2) 2x	(8) ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ SDS	½"Ø	6"	1.8k	6"	1.8k	
НОГР-	HDU2-SDS2.5	(2) 2x	(6) ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ SDS	5∕8 "Ø	10"	3.0k	8"	3.0k	
CONCRETE TO WOOD OR FLOOR TO FLOOR (USING 2 HOLD-DOWNS)	HDU4-SDS2.5	(2) 2x	(10) ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ SDS	⁵ ⁄8"Ø	10" INT 18" END	4.5k	8"	4.5k	[5]
LCRETE -OOR (L	HDU5-SDS2.5	(2) 2x	(14) ¹ ⁄ ₄ x 2 ¹ ⁄ ₂ SDS	5∕8 "Ø	12" INT [14]	5.6k	8"	5.6k	[5]
R TO FI	HDU8-SDS2.5	(3) 2x	(20) 1⁄4 x 21⁄2 SDS	7∕8 "∅	21" INT [14]	7.8k	10"	7.8k	[5]
L00	HDU11-SDS2.5	DU11-SDS2.5 (1) 4x6 (30) ¹ / ₄ x 2 ¹ / ₂ SDS 1"Ø EXTEND ANCHOR		ICHOR ROD	12"	9.6k	[5]		
ЯF	10011-3032.3	(1) 4x8	(30)/4 x 2/2 000	T D	INTO F	INTO FOOTING		12 11.2k	
0	HDU14-SDS2.5	(1) 4x8 OR (1) 6x6	(36) 1⁄4 x 21⁄2 SDS	1"Ø	EXTEND ANCHOR ROD INTO FOOTING		15"	14.4k	[5]
	CSHP20	(1) 2x	(12) 0.148 x 2 ¹ ⁄ ₂ NAILS					1.2k	END LENGTH [9]
	CS16	(1) 2x	(20) 0.148 x 2 ¹ / ₂ NAILS					1.7k	END LENGTH [9]
TO WOOD	CS14	(2) 2x	(26) 0.148 x 2 ¹ ⁄ ₂ NAILS					2.5k	END LENGTH [9]
WOOD TO	MST48	(1) 4x	(32) 0.162 x 2 ¹ ⁄ ₂ NAILS					4.0k	[8, 9]
5	MST60	(1) 4x	(46) 0.162 x 2 ¹ ⁄ ₂ NAILS					6.2k	[8, 9]
	CMST14	(1) 4x	(56) 0.162 x 2½ NAILS					6.5k	END LENGTH [9]



15 HOLD-DOWN / STRAP SCHEDULE DOUGLAS FIR - LARCH STUDS

- NOTES:
 - [1] SOME HOLD-DOWN TYPES NOTED MAY NOT BE USED ON THIS PROJECT.
 - [2] TYPICAL HOLD-DOWN DETAILS PER [X/SX.X AND X/SX.X]. ANCHOR REINFORCEMENT REQUIRED AT STEMWALLS.
 - [3] PROVIDE PANEL EDGE NAILING PER SHEAR WALL SCHEDULE AT HOLD-DOWN STUDS/POST.
 - [4] BASED ON MINIMUM fc = 3000 PSI CONCRETE.
 - [5] STEMWALLS SHALL BE 8" WIDE x 18" TALL MINIMUM.
 - [6] CAST-IN-PLACE (CIP) TYPE THREADED RODS AT HOLD-DOWNS SHALL HAVE TWO HEX HEAD NUTS WITH OVERSIZED WASHER.
 - [7] INCLUDES 1.6 LOAD DURATION INCREASE FOR WOOD.
 - [8] BASED ON 11⁷/₈" DEEP FLOOR JOIST.
 - [9] TOTAL NAILS SPECIFIED, USE HALF THE NAILS AT THE STUDS ABOVE AND BELOW LEVEL BEING CONNECTED.
 - [10] AT PRESSURE TREATED SILLS, USE HOT DIPPED GALVANIZED BOLTS.
 - [11] POST INSTALLED HOLD-DOWN OPTIONS MAY BE AVAILABLE AT SOME CONDITIONS. CONTACT ENGINEER OF RECORD PRIOR TO CONSTRUCTION.
 - [12] NAIL LAMINATE MULTIPLE 2x STUDS WITH PLATE NAILING PER SHEAR WALL SCHEDULE.
 - [13] STUD WALLS SHALL BE 2x6, CENTER HOLD-DOWN IN STUD WALL.
 - [14] EMBED DEPTH APPLIES TO ANCHOR BOLT INSTALLED IN CONTINUOUS STEMWALL. NOT APPLICABLE FOR END OF STEMWALL. EXTEND ANCHOR BOLT INTO FOOTING BELOW STEMWALL

FLR OR ROOF FRAMING PER PLANS & DETAILS

5

SCALE: 1"=1'-0"

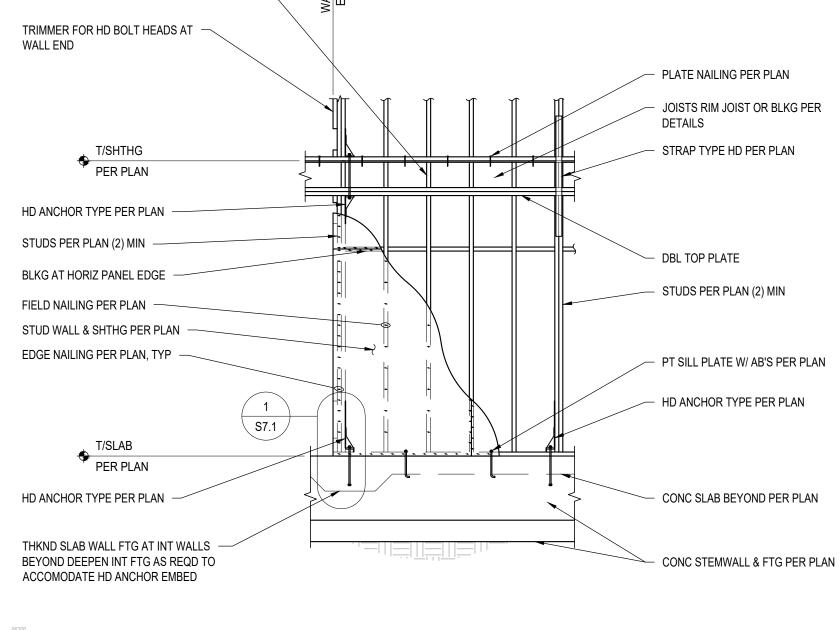
SOME SHEAF	SOME SHEAR WALL TYPES NOTED MAY NOT BE USED ON THIS PROJECT.										
			BLOCKING & STUD	RIM JOIST OR	2x PLATE ATTACHMENT	SILL PLATE A	TTACHMENT				
WALL TYPE	WALL SHEATHING APA-RATED [1, 2, 12, 16]	NAIL SIZE & SPACING AT ALL PANEL EDGES [4, 5]	SIZE AT AD IOINING	BLOCKING CONN TO TOP PLATE BELOW [7, 8]	NAILING TO WOOD RIM JOIST OR BLOCKING BELOW	ANCHOR BOLT TO CONCRETE BELOW [10]	SILL PLATE AT FOUNDATION [11]	SHEAR CAPACITY LBS/FT			
W6>	¹⁵ / ₃₂ "	0.148"Øx2 ¹ ⁄ ₂ " @6"OC	2x	CLIP @16"OC	0.148"Øx3¼" @6"OC	⁵ / ₈ "Ø @48"OC	2x	310			
	157 ш	0.148"Øx2½" @4"OC	0		0.148"Øx3¼" @4"OC	5%"Ø @32"OC	2x	400			
W4>	¹⁵ ⁄ ₃₂ "	STAGGERED	3х	CLIP @12"OC	0.146 00.374 @4 00	5%"Ø @48"OC	3x [15]	460			
	15 / "	0.148"Øx2½" @3"OC	0		0.148"Øx3¼" @6"OC	5%"Ø @24"OC	2x	000			
W3>	¹⁵ ⁄ ₃₂ "	0.148 '0x2/2" @3"OC 3x CLIP @8"OC 0.146 '0x3/4 '00' OC STAGGERED 3x CLIP @8"OC (2) ROWS [9]	(2) ROWS [9]	5∕%"Ø @32"OC	3x [15]	600					
	157 11	0.148"Øx2½" @2"OC	0	CLIP @16"OC	CLIP @16"OC 0.148"Øx3¼" @6"OC		2x	770			
W2>	¹⁵ ⁄ ₃₂ "	STAGGERED	3x	EACH SIDE	(2) ROWS [9]	5%"Ø @24"OC	3x [15]	1 110			
2W4>	¹⁵ ⁄ ₃₂ " BOTH SIDES	0.148"Øx2 ¹ ⁄2" @4"OC STAGGERED	Зх	CLIP @12"OC EACH SIDE	0.148"Øx3¼" @4"OC (2) ROWS [9]	5∕8"Ø @24"OC	3x [15]	920			
2W3>	¹⁵ / ₃₂ " BOTH SIDES	0.148"Øx2 ¹ /2" @3"OC STAGGERED	Зх	CLIP @8"OC EACH SIDE	0.148"Øx3¼" @4"OC (2) ROWS [9] OR (2) ROWS OF SDS ¼"x5" SCREWS @8"OC [9]	⁵ ∕8"Ø @16"OC	3x [15]	1200			
2W2>	$15/_{32}$ " BOTH SIDES	0.148"Øx2 ¹ /2" @2"OC STAGGERED	Зх	CLIP @8"OC EACH SIDE	CLIP @6"OC EACH SIDE [7, 8] OR (2) ROWS OF SDS ½"x5" SCREWS @8"OC [9]	⁵ ∕8"Ø @12"OC	3x [15]	1540			

NOTES:

[1] INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY.

- [2] WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 2x FRAMING SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE NOT LOCATED ON THE SAME STUDS.
- [3] BLOCKING IS REQUIRED AT ALL PANEL EDGES.
- [4] PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY WINDOWS, OR DOORWAYS OR AS DESIGNATED ON PLANS. HOLD-DOWN REQUIREMENTS PER PLANS. (ALTERNATE NOTE: WALLS DESIGNATED AS PERFORATED SHEAR WALLS REQUIRE SHEATHING, SHEAR WALL NAILING, ETC. ABOVE AND BELOW ALL OPENINGS).
- [5] SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLD-DOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLD-DOWN POSTS. ADDITIONAL INFORMATION PER HOLD-DOWN DETAILS.
- [6] INTERMEDIATE FRAMING TO BE 2x MINIMUM MEMBERS. ATTACH SHEATHING TO INTERMEDIATE FRAMING WITH 0.148"Øx2¹/₂" NAILS [12] WHERE WOOD SHEATHING (W) IS APPLIED OVER GYPSUM AT 12"OC WHERE STUDS ARE SPACED AT 16"OC AND 0.148"Øx2¹/₂" SHEATHING (G), CONTACT THE ENGINEER OF RECORD FOR NAILS AT 6"OC WHERE STUDS ARE SPACED AT 24"OC. ALTERNATE NAILING REQUIREMENTS.
- [7] BASED ON 0.131"Øx1¹/₂" NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE 0.131"Øx2¹/₂" NAILS WHERE INSTALLED OVER SHEATHING.





TYPICAL SHEAR WALL ELEVATION CONCRETE STEMWALL/SLAB ON GRADE

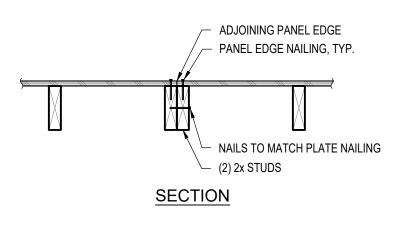
SHEAR WALL SCHEDULE

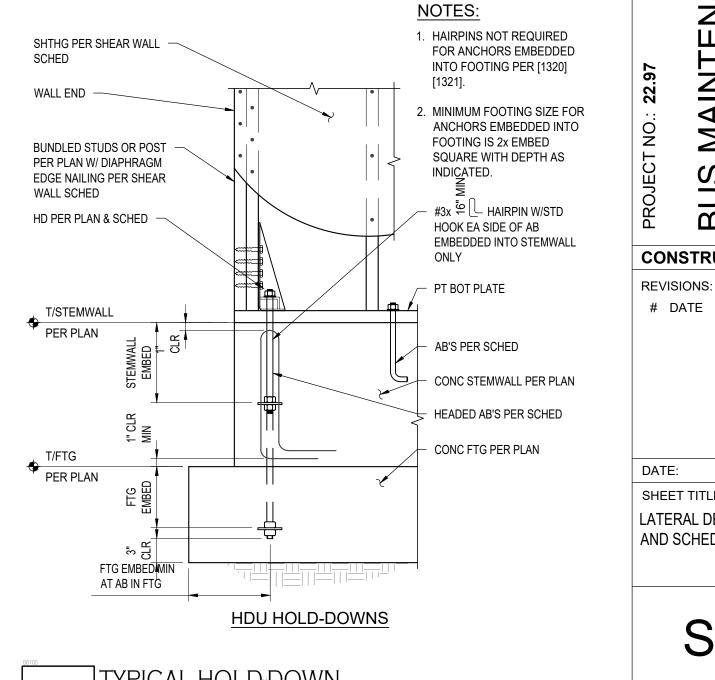
FRAMING CLIPS: A35 OR LTP5 OR APPROVED EQUIVALENT.

- [9] WHERE BOTTOM PLATE ATTACHMENT SPECIFIES (2) ROWS OF NAILS OR SCREWS, PROVIDE DOUBLE JOIST, RIM JOIST OR EQUAL BELOW. STAGGER NAILS/SCREWS IN ROWS 11/2" APART MINIMUM.
- [10] ANCHOR BOLTS SHALL BE PROVIDED WITH HOT DIPPED GALVANIZED STEEL PLATE WASHERS 0.229"x3"x3" MIN. THE HOLE IN THE PLATE WASHER MAY BE DIAGONALLY SLOTTED ¹³/₁₆"x1³/₄" PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE [16] PLATE WASHER AND NUT. PLATE WASHER TO EXTEND TO WITHIN $\frac{1}{2}$ " OF THE EDGE OF THE SILL PLATE ON THE SIDE(S) WITH SHEATHING. INCREASE PLATE WASHER SIZE AS REQUIRED. EMBED ANCHOR BOLTS 7" MINIMUM INTO THE CONCRETE.
- [11] PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLES, ETC.) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS. ADDITIONAL INFORMATION PER STRUCTURAL NOTES.
- [13] AT ADJOINING PANEL EDGES, (2) 2x STUDS NAILED TOGETHER MAY BE USED IN PLACE OF SINGLE 3x STUD. DOUBLE 2x STUDS SHALL BE CONNECTED TOGETHER BY NAILING THE STUDS

TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING AND DIAMETER AS THE PLATE NAILING, PER SECTION.

- [14] CONTACT THE STRUCTURAL ENGINEER OF RECORD FOR ADHESIVE OR EXPANSION BOLT ALTERNATIVES TO CAST-IN-PLACE ANCHOR BOLTS. SPECIAL INSPECTION MAY BE REQUIRED.
- [15] NAIL STUDS TO 3x SILL PLATES WITH EITHER (2) 0.148"Øx4" END NAILS OR (4) 0.131"Øx2½" TOENAILS
- WHERE "W" INDICATES WOOD SHEATHING AND "X" INDICATES EDGE NAIL SPACING.
- [17] EXEMAILS SHALL BE LOCATED 3/8" FROM PANEL EDGES.







333 S. 4TH STREET COOS BAY, OR 97420 P: 541.269.1166 www.hge1.com general@hge1.com





DATE DESCRIPTION

JANUARY 2024

SHEET TITLE: LATERAL DETAILS AND SCHEDULES



YPICAL HOLD-DOWN CONCRETE STEMWALL SCALE: 1"=1'-0"

PLUMBING LEGEND

AFF		ABOVE FINISHED FLOOR	
ARCH		ARCHITECTURAL	
B.G.		BELOW GRADE	
BTU		BRITISH THERMAL UNIT	
CAP.		CAPACITY	
C.I.		CAST IRON	
CO		CLEANOUT	
COMP.		COMPARTMENT	
CONT.		CONTINUATION	<u> </u>
CU.		CUBIC	
DF		DRINKING FOUNTAIN	
DI		DEIONIZED (WATER)	
DIA.		DIAMETER	
ELEV.			
EWC		ELECTRIC WATER COOLER	
FD		FLOOR DRAIN	
FDC		FIRE DEPARTMENT CONNECTION	
F.F.		FINISH FLOOR	
FLG.		FLANGE	
FT		FOOT / FEET	
G		GAS	
GA.		GAUGE	
GALV.			
GPM		GALLONS PER MINUTE	(@) OR ()
G.V.			
HP		HORSEPOWER	
HR. I.E.			
kW		KILOWATT	
LAV LBS		LAVATORY POUNDS	
MAX.		MAXIMUM	
MAX. MBH		THOUSANDS OF BTUS PER HOUR	
MIN.		MINIMUM	Ν
MIN. M.J.			
N.I.M.		NOT IN MECHANICAL	
OS&Y		OUTSIDE STEM & YOKE	
PROT.		PROTECTION	
PRV		PROTECTION PRESSURE REDUCING VALVE	
PSI, PSIG		POUNDS PER SQUARE INCH	~
P/T		PRESSURE / TEMPERATURE	
RD		RAIN DRAIN / STORM DRAIN	
REQ'D		REQUIRED	
RPBP		REDUCED PRESSURE BACKFLOW PREVENTER	
RPM		REVOLUTIONS PER MINUTE	
TYP.		TYPICAL	
UR		URINAL	
VTR		VENT THROUGH ROOF	
WC		WATER CLOSET	
WCO		WALL CLEANOUT	
XXX		FIXTURE MARK	
$\langle \mathcal{H} \rangle$		EQUIPMENT MARK NUMBER	
\ <u>#</u> /			
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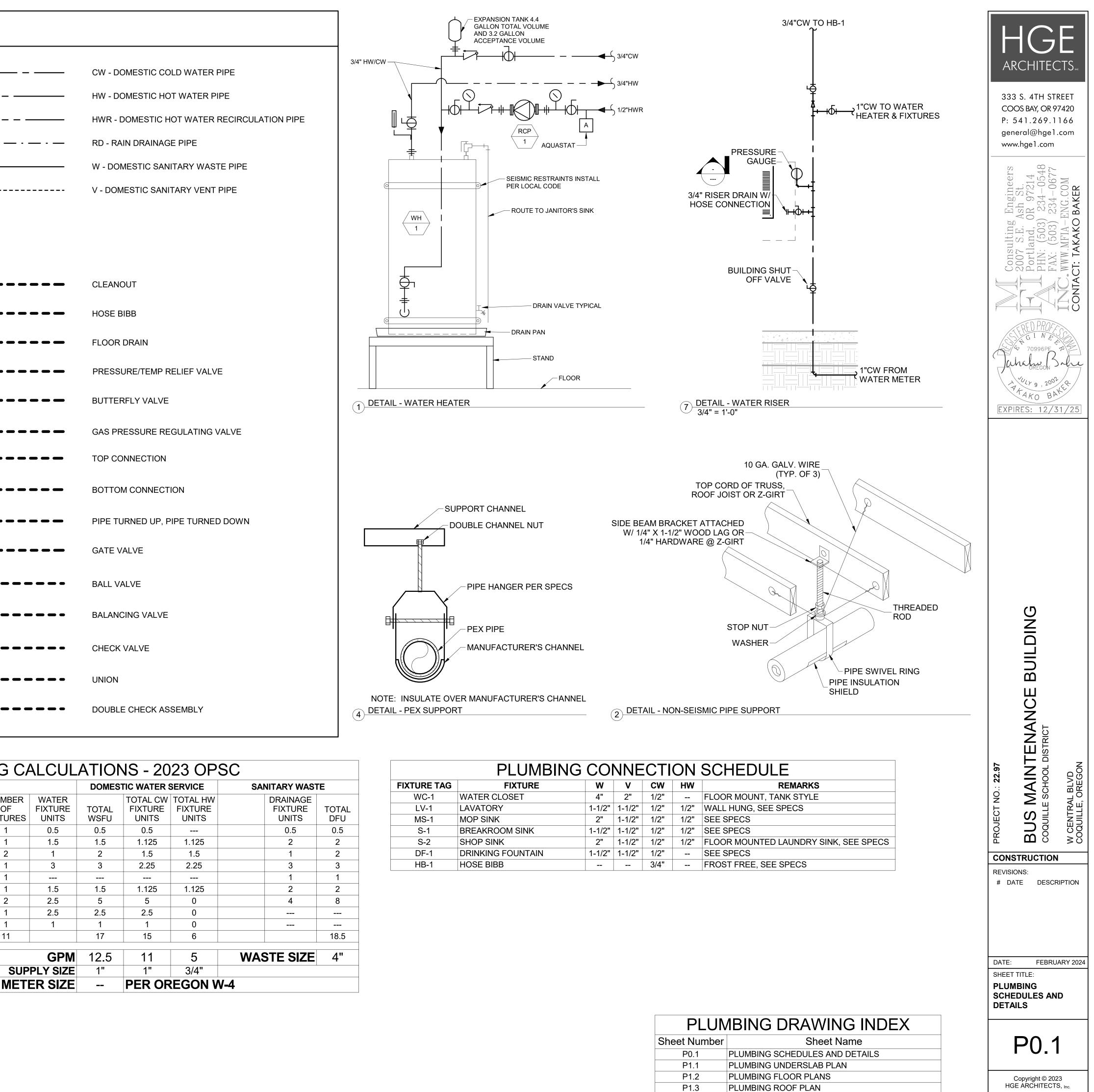
WATER HEATER SCHEDULE

EQUIPMENT	WH
MARK/	
NUMBER	
TYPE	ELECTRIC
CAPACITY (GAL)	50
POWER (kW)	4.5
RECOVERY CAP. @100F TR (GPH)	18
ELECTRICAL (V/PH)	240/1
SHIPPING WEIGHT (LBS)	125
BASIS OF DESIGN: AO SMITH	DEN-40
	I

PUMP SCHEDULE

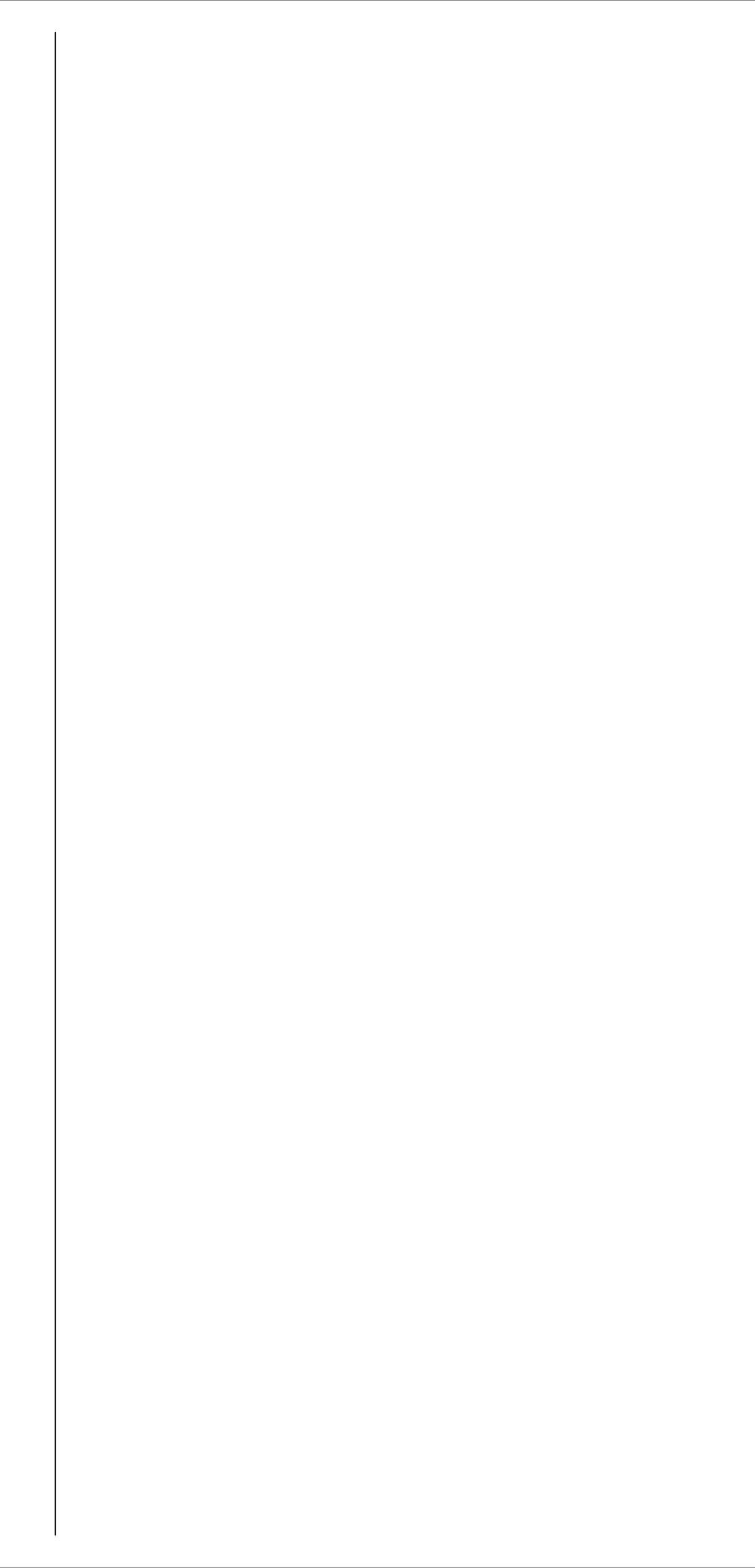
EQUIPMENT MARK/ NUMBER	RCP 1
SERVICE	HW RECIRC. (HWR)
TYPE	CIRCULATION
CONTROLLED BY	AQUASTAT
ARRANGEMENT	IN-LINE
FLOW RATE (GPM)	3.0
HEAD (FT)	15
MOTOR HP	90 WATTS
ELECTRICAL	115/1
DESIGN WEIGHT	20

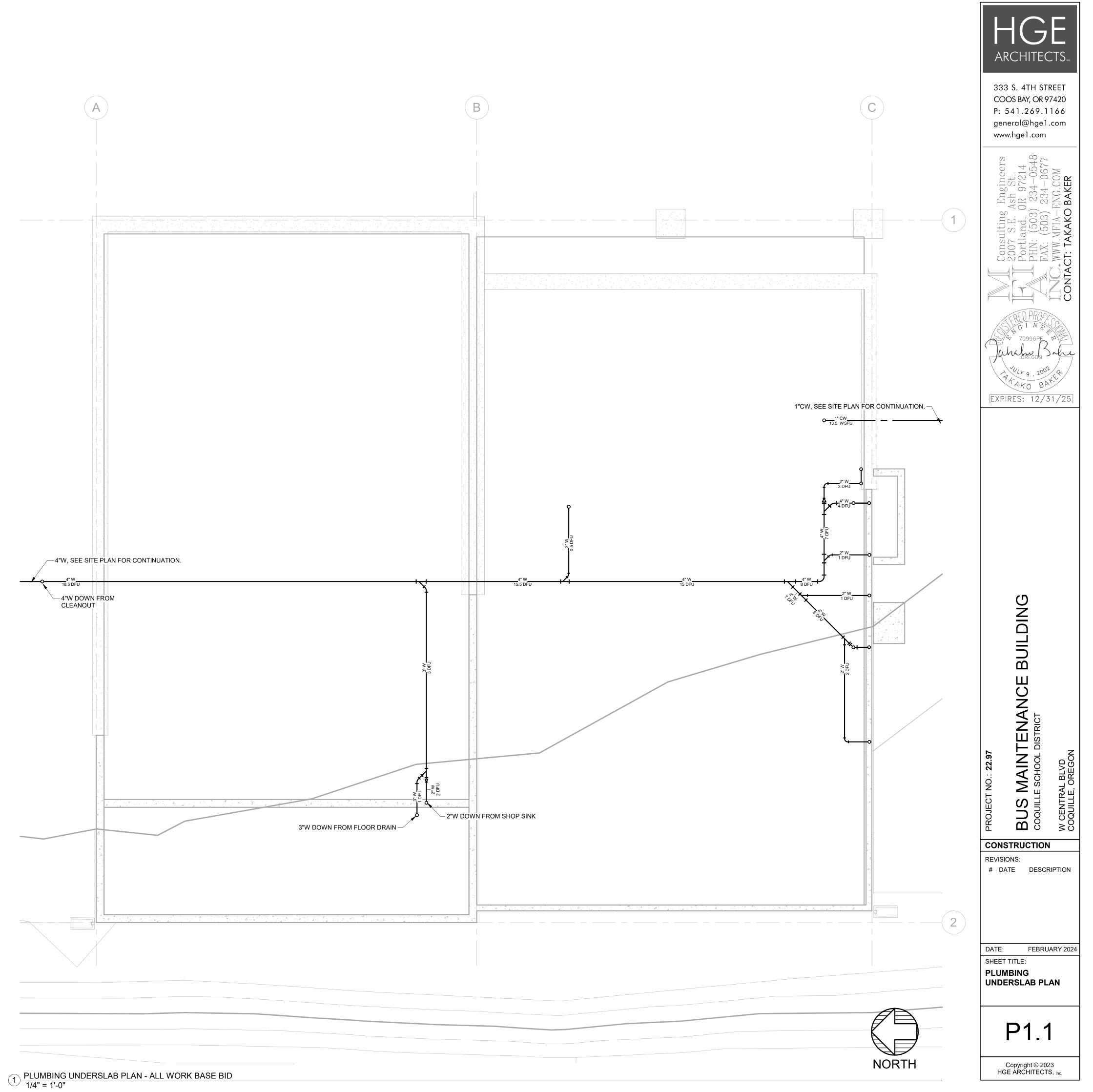
			DOMES	TIC WATER	SERVICE	SA		ſE
FIXTURE TYPE	NUMBER OF FIXTURES	WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS		DRAINAGE FIXTURE UNITS	TOTAL DFU
DRINKING FOUNTAIN / WATER COOLER	1	0.5	0.5	0.5			0.5	0.5
KITCHEN SINK (ONE 1-1/2" TRAP)	1	1.5	1.5	1.125	1.125		2	2
LAVATORY (SINGLE)	2	1	2	1.5	1.5		1	2
MOP BASIN	1	3	3	2.25	2.25		3	3
RECEPTOR (INDIRECT WASTE)	1						1	1
SHOP SINK	1	1.5	1.5	1.125	1.125		2	2
WATER CLOSET (1.6 GPF TANK-GENERAL)	2	2.5	5	5	0		4	8
HOSE BIBB (FIRST ONE)	1	2.5	2.5	2.5	0			
HOSE BIBB	1	1	1	1	0			
TOTAL	_ 11		17	15	6			18.5
		GPM	12.5	11	5	WAS	STE SIZE	4"
	SUP	PLY SIZE	1"	1"	3/4"			
	METI	ER SIZE		PER OF	REGON W	-4		

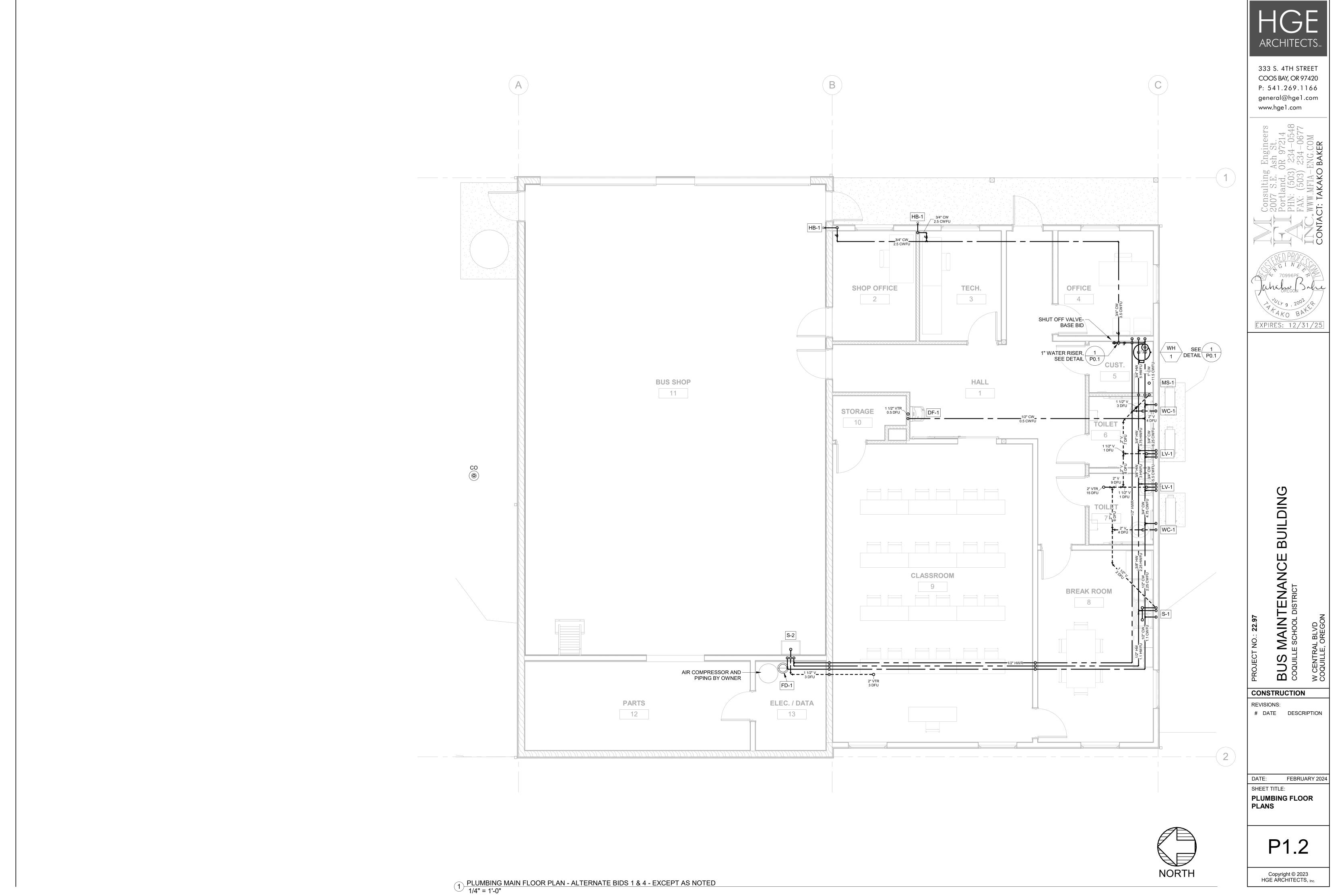


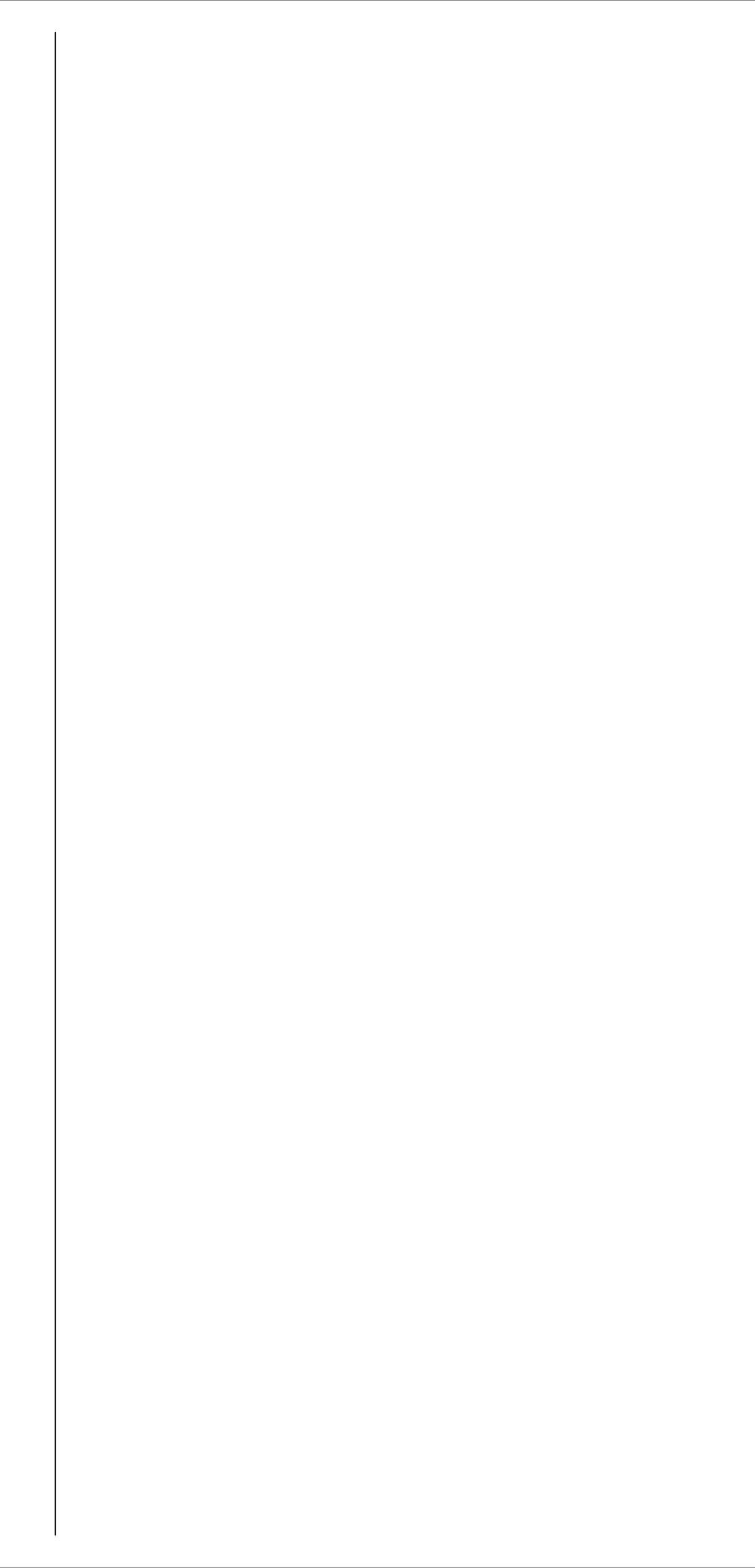
PLUMBING CALCULATIONS - 2023 OPSC

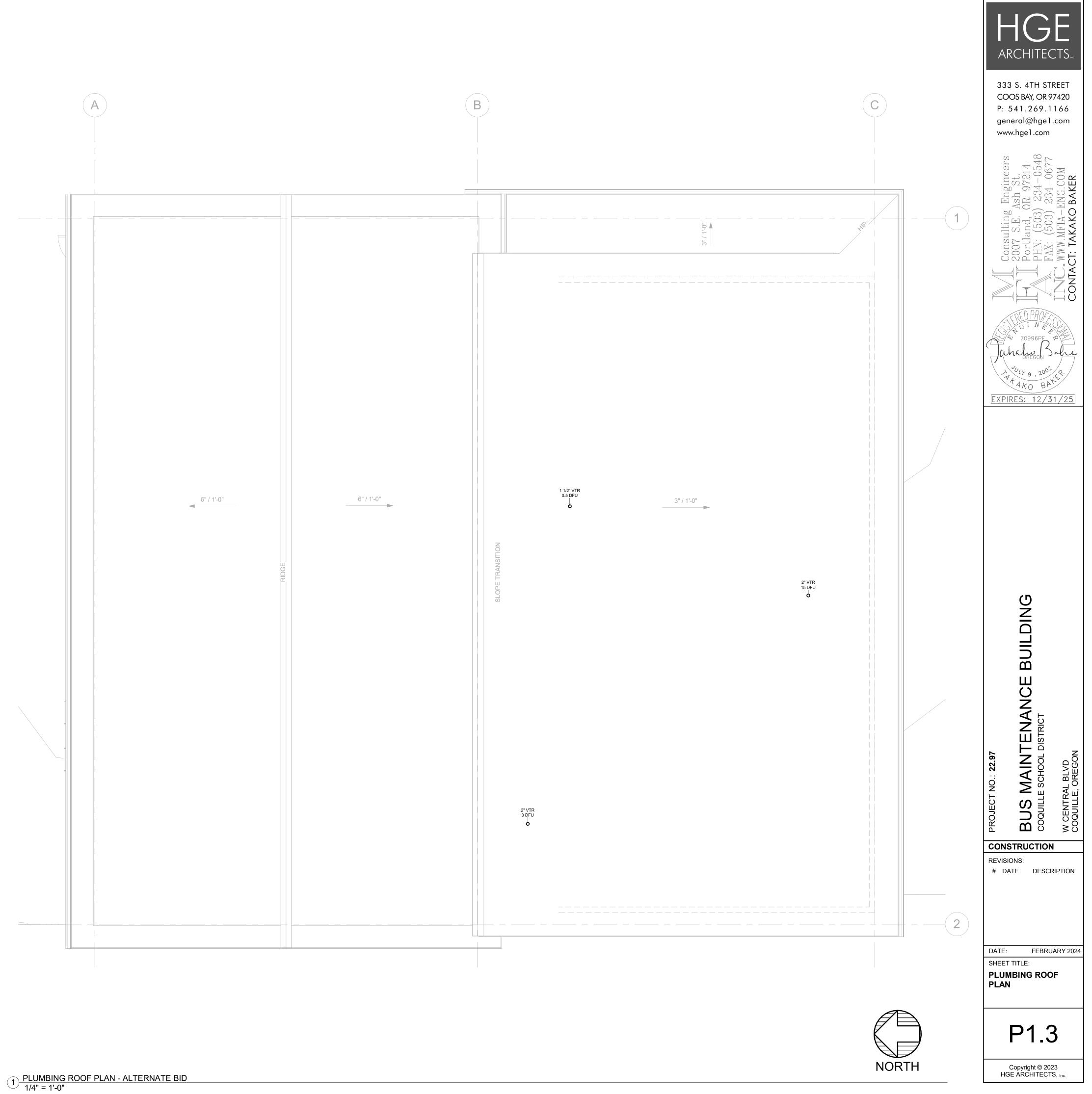
	PLUMBING	С
FIXTURE TAG	FIXTURE	
WC-1	WATER CLOSET	2
LV-1	LAVATORY	1-
MS-1	MOP SINK	
S-1	BREAKROOM SINK	1-
S-2	SHOP SINK	
DF-1	DRINKING FOUNTAIN	1-









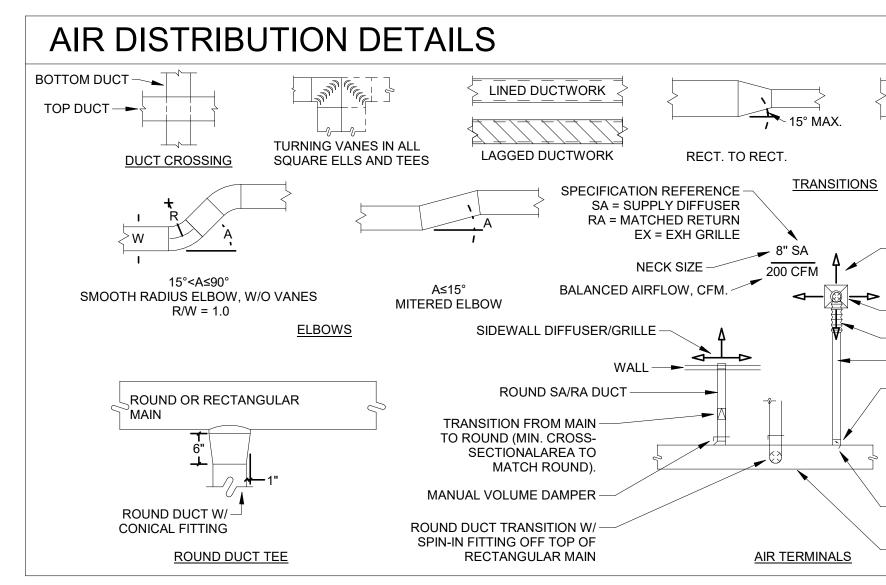


MECHANICAL LEGEND

	SUPPLY AIR DIFFUSER
	RETURN AIR GRILLE
	EXHAUST AIR GRILLE
	• PERFORATED RETURN AIR PANEL
OR +	DIRECTIONAL AIR FLOW
	MANUAL VOLUME DAMPER
	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
	RETURN AIR DUCT UP & DOWN
	EXHAUST AIR DUCT UP & DOWN
× × • • •	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
	RETURN AIR DUCT UP & DOWN
	EXHAUST AIR DUCT UP & DOWN
	VAV TERMINAL UNIT
	VVT TERMINAL UNIT
(E) — — —	EXISTING
	CONNECT TO EXISTING
	THERMOSTAT OR TEMP. SENSOR
	NOTE
	NOTE
$\left \begin{array}{c} \left\langle XX \\ \# \end{array} \right\rangle $	EQUIPMENT DESIGNATOR
<u>b</u> – – –	BALL VALVE
⋈	GATE VALVE
^ 	CHECK VALVE
₩	BALANCING VALVE
	THERMOMETER
	DIRECTION OF FLOW
│ ⋈ –––	PUMP
	STRAINER
° – – –	PRESSURE GAUGE
T	PETE'S PLUG
	DOUBLE CHECK ASSEMBLY
	PRESSURE REDUCING VALVE
	UNION
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	САР
s>	SMOKE DETECTOR
— — —	MOTORIZED DAMPER

AFF	-	ABOVE FINISH FLOOR
AHU	-	AIR HANDLING UNIT
B.D.	-	BOTTOM OF DUCT
BHP	-	BRAKE HORSEPOWER
	-	BRITISH THERMAL UNITS
BTU	-	-
CFM	-	CUBIC FEET PER MINUTE
CONN.	-	CONNECTION
CONT.	-	CONTINUATION
CW		DOMESTIC COLD WATER
•••	-	
DB	-	DRY BULB
DIA.	-	DIAMETER
DIST.	-	DISTRIBUTION
FA	-	EXHAUST AIR
EDB	-	ENTERING DRY BULB TEMPERATURE
	-	
EWB	-	ENTERING WET BULB TEMPERATURE
EWT	-	ENTERING WATER TEMPERATURE
FF	-	FINISH FLOOR
FIXT.	-	FIXTURE
FPM	_	FEET PER MINUTE
	-	
FPS	-	FEET PER SECOND
FT.	-	FEET / FOOT
GA.	-	GAUGE
GPM	-	GALLONS PER MINUTE
H		HEIGHT
	-	
HP	-	HORSEPOWER
I.D.	-	INSIDE DIAMETER
IN.	-	INCHES
L	-	LENGTH
LBS.	_	POUNDS
LDB.		LEAVING DRY BULB
	-	
LWB	-	LEAVING WET BULB
LWT	-	LEAVING WATER TEMPERATURE
MAX.	-	MAXIMUM
MBH	-	THOUSANDS OF BTUS PER HOUR
MIN.		MINIMUM
	-	
NC	-	NOISE CRITERIA
N.C.	-	NORMALLY CLOSED
N.I.M.	-	NOT IN MECHANICAL
NO.	-	NUMBER
N.O.	-	NORMALLY OPEN
	-	
0.A.	-	OUTSIDE AIR
Р	-	PERSON
PSI	-	POUNDS PER SQUARE INCH
P/T	-	PRESSURE / TEMPERATURE
R.A.	-	RETURN AIR
R		REFRIGERANT
	-	-
RECT.		RECTANGULAR
REQ'D	-	REQUIRED
S.A.	-	SUPPLY AIR
S.P.	-	STATIC PRESSURE
SQ.		SQUARE
	-	
TEMP.	-	TEMPERATURE
TYP.	-	TYPICAL
VAV	-	VARIABLE AIR VOLUME
W	-	WIDTH
WB	_	WET BULB
	-	
WPD	-	WATER PRESSURE DROP
Ø	-	DIAMETER

PIPING	ABREV	ATIONS.
(E)	-	EXISTING
(D)	-	DEMOLISH
ĊD	-	CONDENSATE DRAIN
G	-	GAS
HWS	-	HEATING WATER SUPPLY
HWR	-	HEATING WATER RETURN
R	-	REFRIGERANT
RAD	-	RADON



GENERAL NOTES

- A. THE DRAWINGS ARE DIAGRAMMATIC. PROVIDE ALL MATERIAL (NEW AND UNDAMAGED) AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY ALL BUILDING MEASUREMENTS DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY OF THE WORK.
- B. ALL INSTALLATIONS SHALL COMPLY WITH APPLICABLE FEDERAL AND STATE CODES INCLUDING, 2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC), 2019 OREGON MECHANICAL SPECIALTY CODE (OMSC), 2019 OREGON ZERO ENERGY READY COMMERICAL CODE (OZERCC). NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE STRICT OF THE TWO SHALL BE FOLLOWED.
- C. OBTAIN ALL NECESSARY PERMITS AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES HAVING JURISDICTION. SUBMIT ALL CERTIFICATES PRIOR TO ACCEPTANCE.
- D. COORDINATE WITH OTHER CRAFTS AS REQUIRED TO COMPLETE WORK IN ACCORDANCE WITH CONSTRUCTION SCHEDULE.
- E. PROVIDE OWNER INSTRUCTION BY QUALIFIED PERSONNEL ON EQUIPMENT AND SYSTEMS AT OWNER'S REQUEST.
- F. CONTRACTOR TO PROVIDE TESTING, ADJUSTING AND BALANCING REPORT FOR THE AREAS AFFECTED BY THE REMODEL FOR ENGINEER'S REVIEW. SEE SPECS FOR ADDITIONAL TAB REQ'T.
- G. CONTRACTOR TO PROVIDE HVAC AS-BUILT DRAWINGS AND OPERATION AND MAINTENANCE MANUALS WTIHIN 90 DAYS OF SYSTEM ACCEPTANCE.
- H. CONTRACTOR TO TEXT HVAC CONTROL SYSTEM TO ENSURE PROPER OPERATION, CALIBRATION AND ADJUSTMENT OF CONTROLS.

~ 15° MAX RECT. TO ROUND

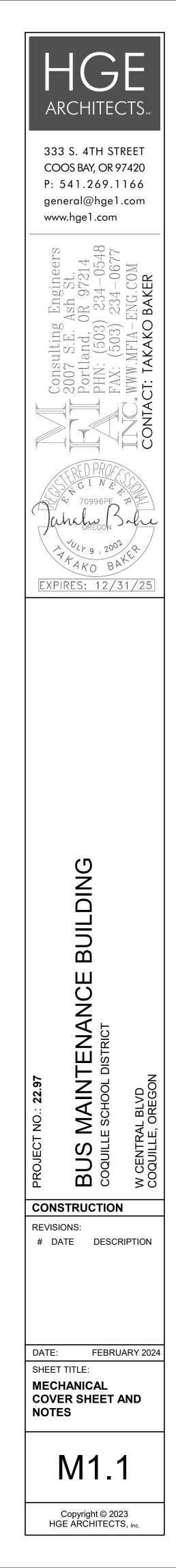
ARROWS INDICATE

— CEILING DIFFUSER/GRILLE — FLEX DUCT - MAX 48'' — BRANCH DUCT

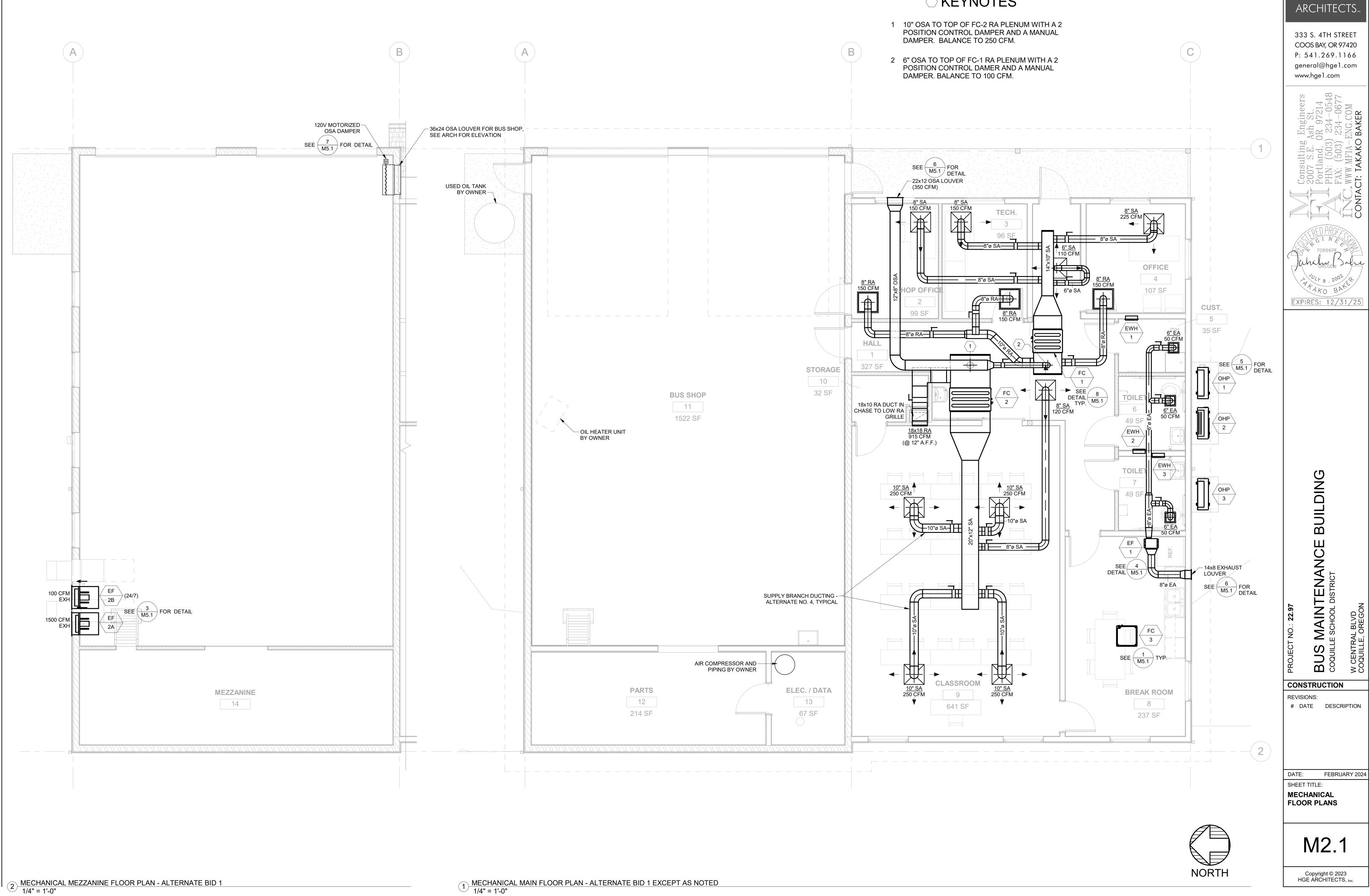
- SPIN-IN FITTING WHERE APPLICABLE. GENFLEX SM-1DEL (WITH DAMPER AND 45° EXTRACTOR) OR APPROVED EQUAL.

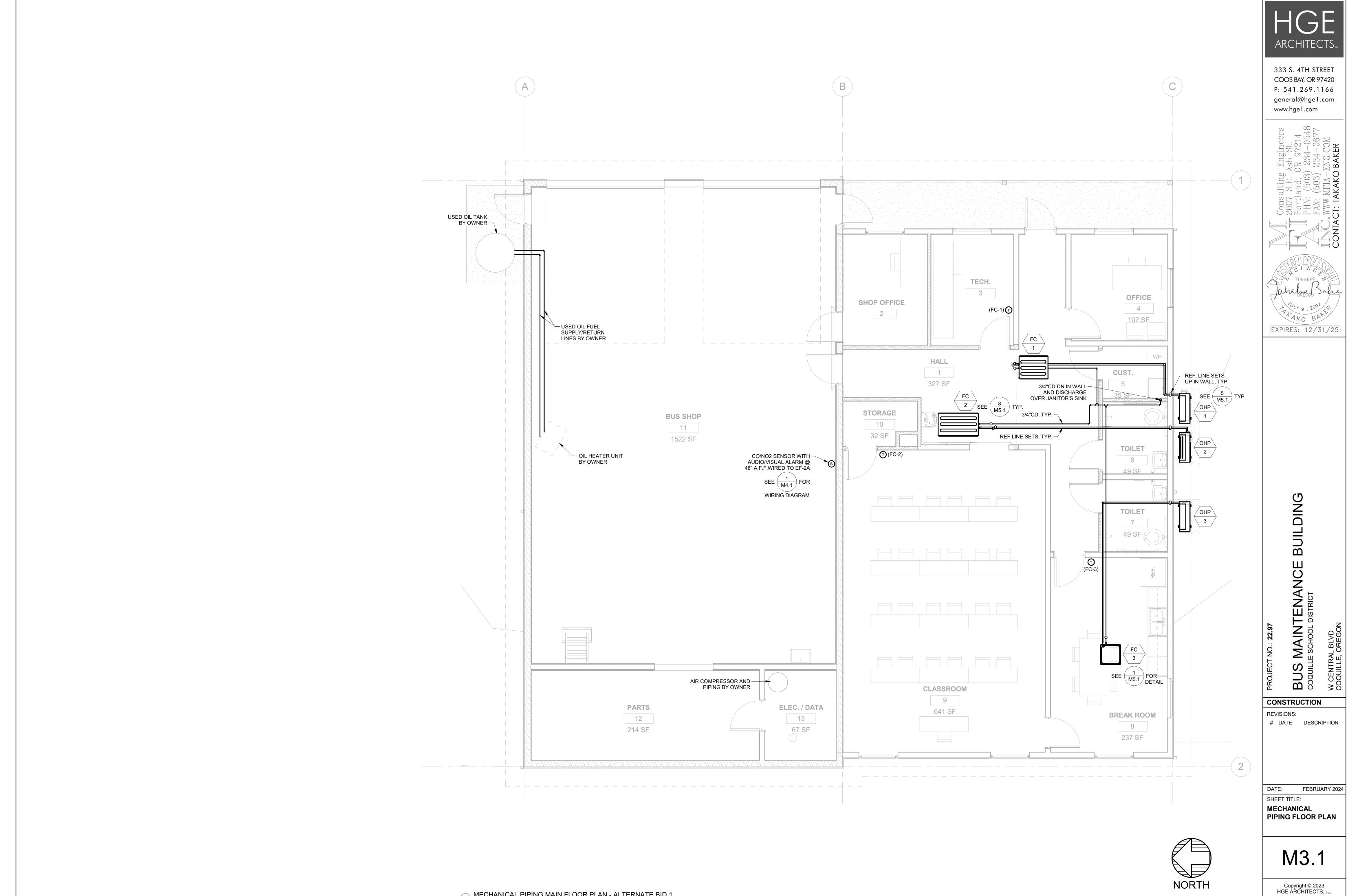
- MANUAL VOLUME DAMPER

- MAIN DUCT



MECH	IANICAL DRAWING INDEX
Sheet Number	Sheet Name
M1.1	MECHANICAL COVER SHEET AND NOTES
M2.1	MECHANICAL FLOOR PLANS
M3.1	MECHANICAL PIPING FLOOR PLAN
M4.1	MECHANICAL SCHEDULES AND DETAILS
M5.1	MECHANICAL DETAILS





SPLIT SYS	STEMS - ALT	ERNATE BI	D 1
INDOOR UNIT MARK/ NUMBER	FC NOTES 3, 4	FC 2NOTES 3, 4	FC 3 NOTE 3
HEAT PUMP/COOLING ONLY	HEAT PUMP	HEAT PUMP	HEAT PUMP
LOCATION	OFFICES	CLASSROOM	BREAKROOM
TYPE	DUCTED	DUCTED	CEILING CASSETTE
NOMINAL COOLING CAPACITY	2 TON	3 TON	1.5 TON
RATED HEATING CAPACITY	24,000	36,000	18,000
TOTAL SUPPLY CFM (H/M/L)	777/706/636	1,130/989/848	459/424/388
OSA CFM	100 CFM	250 CFM	NOTE 2
VOLT/PHASE	240/1 (NOTE 1)	240/1 (NOTE 1)	240/1 (NOTE 1)
CONDENSATE PUMP	YES	YES	YES
WEIGHT (lbs)	59	86	40
BASIS OF DESIGN - DAIKIN	LHN248HV	LHN368HV	LCN188HV4
OUTDOOR UNIT MARK/ NUMBER	OHP 1	OHP 2	OHP 3
# OF INDOOR UNITS	1	1	1
EFFICIENCY (EER 2, SEER 2, HSPF2)	12/16.75/9.4	11.85/18.85/9.2	12.5/20.5/9.7
NOMINAL TONS	1.5T	3	2
NOMINAL COOLING CAPACITY	23,000	36,000	18,000
NOMINAL HEATING CAPACITY	27,000	40,000	18,500
REFRIGERANT	R410A	R410A	R410A
MAX PIPE LENGTH (FEET)	164	246	164
MAX PIPE HEIGHT (FEET)	98.4	98.4	98.5
VOLTS/PHASE	240/1	240/1	240/1
MCA/MOP	22/30	32/40	20/30
COMPRESSOR	INVERTOR	INVERTOR	INVERTOR
WEIGHT (lbs)	134	194	131
BASIS OF DESIGN - DAIKIN	LUU240HHV	LUU360HV	LUU180HV

1. POWERED FROM OUTDOOR UNIT.

2. DIRECTLY SUPPLIED TO SPACE VIA NATURAL VENTILATION.

3. PROVIDE WITH INTEGRAL CONDENSATE PUMP. 4. PROVIDE WITH MERV 8 FILTER AND FABRICATED FILTER RACK.

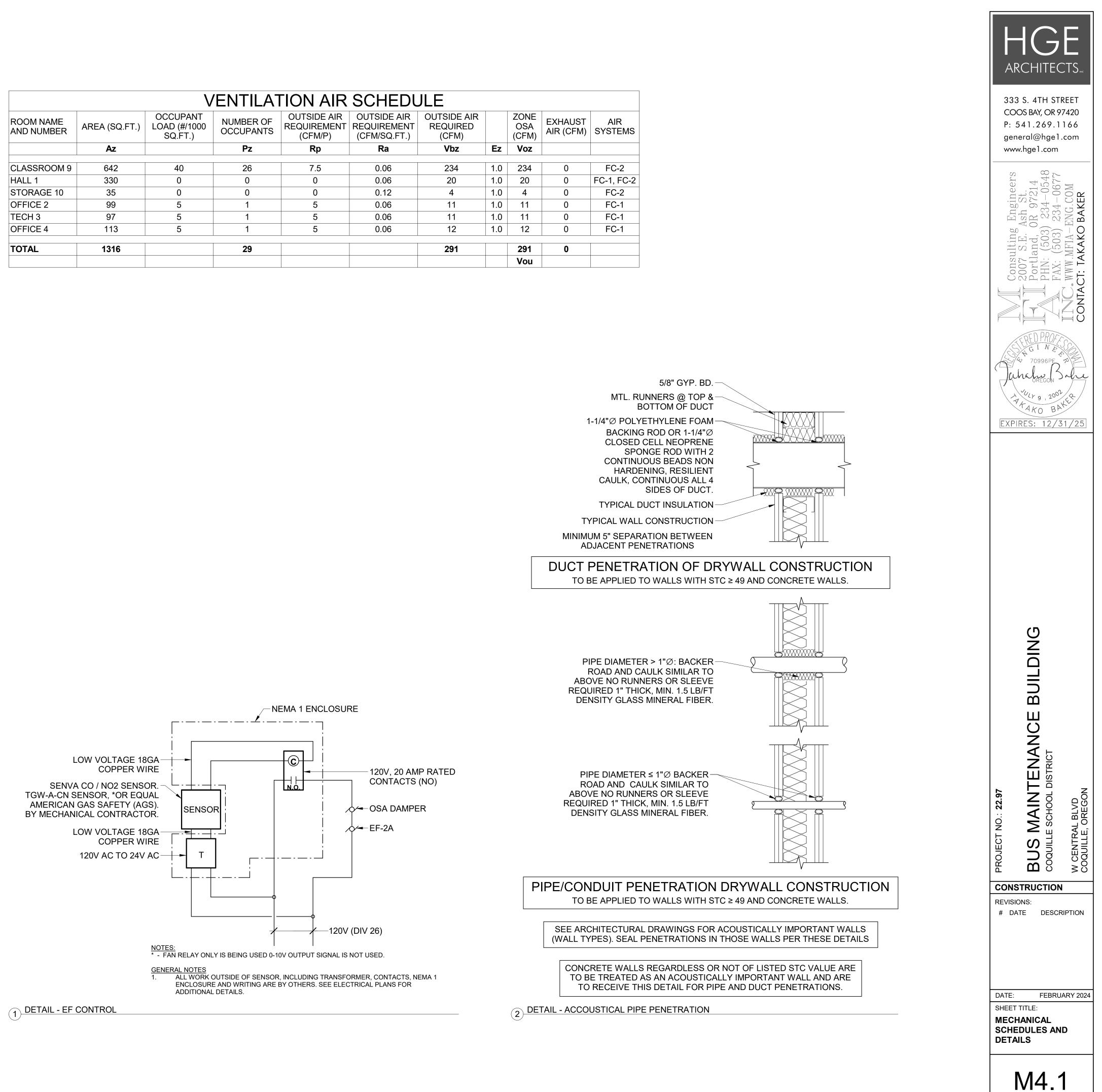
EXHAUST FAN	SCHEDULE	- ALTERNAT	E BID 1
EXHAUST FAN MARK/ NUMBER	EF 1	EF 2A	EF 2B
TYPE	CEILING CABINET	PROP FAN	PROP FAN
SYSTEM	CUST, TOILETS	BUS SHOP	24/7 BUS SHOP
CFM	150 CFM	1500 CFM	100 CFM
WHEEL TYPE	FC	AER PROP	AER PROP
EXT. STATIC PRESS (IN WC)	0.4"	0.22"	0.20"
RPM	864	786	637
MOTOR HP	179 WATTS	1/2 HP	1/2 HP
CONTROLLED BY		CO SENSOR	OPERATES 24/7
INTERLOCK WITH		OSA DAMPER	
BACKDRAFT DAMPER	YES	YES	YES
MOTORIZED DAMPER	NO	NO	NO
MAXIMUM INLET SONES	2.0	8.8	3.1
VOLTAGE/PH	115/1	115/1	115/1
OPERATING WEIGHT (LBS)	16	150	150
BASIS OF DESIGN - GREENHECK	CSP-B200	AER-20-VG	AER-20-VG

ELECTRIC HEATER SCHEDULE - ALTERNATE BID 1

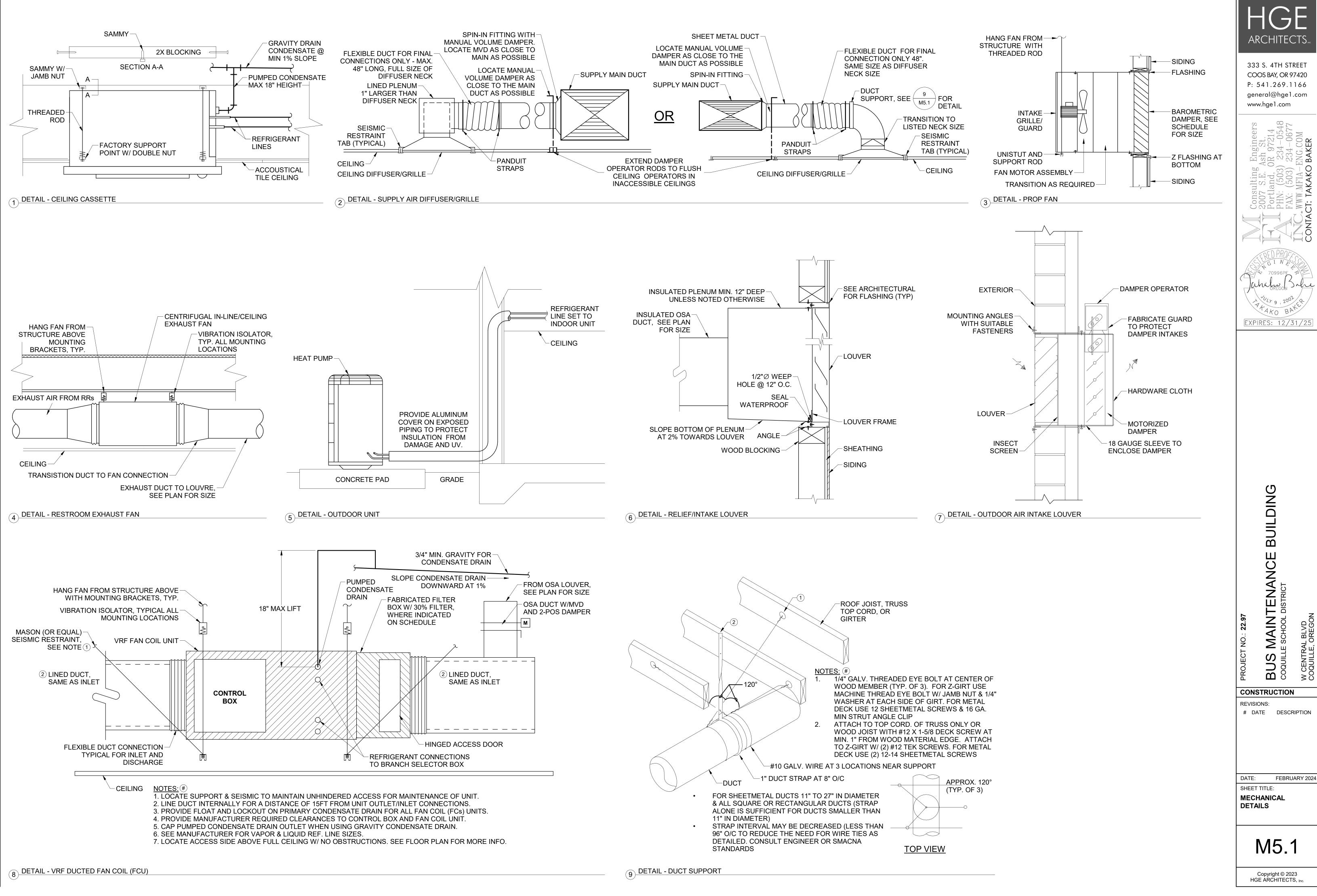
EQUIPMENT MARK/ NUMBER	$ \begin{array}{c c} \hline EWH \\ 1 \\ \hline 2 \\ \hline 3 \\ \hline \end{array} $
WATTS	750
VOLTS/PH	120/1
AMPS	6.3
AIRFLOW (CFM)	65
LOCATION	CUST 05, TOILET 06, TOILET 07
MOUNTING	WALL, RECESSED @ 12" A.F.F.
OPERATING WEIGHT (LBS)	12
BASIS OF DESIGN: QMARK	CWH1151DSF
NOTES	1
NOTES:	

1. BUILT IN THERMOSTAT, SET AT 65°F.

ROOM NAME AND NUMBER	AREA (SQ.FT.)	OCCUPANT LOAD (#/1000 SQ.FT.)	NUMBER OF OCCUPANTS	OUTSIDE AIR REQUIREMENT (CFM/P)	OUTSIDE AIR REQUIREMENT (CFM/SQ.FT.)	OUTSIDE AIR REQUIRED (CFM)		ZONE OSA (CFM)	EXHAUST AIR (CFM)
	Az		Pz	Rp	Ra	Vbz	Ez	Voz	
CLASSROOM 9	642	40	26	7.5	0.06	234	1.0	234	0
HALL 1	330	0	0	0	0.06	20	1.0	20	0
STORAGE 10	35	0	0	0	0.12	4	1.0	4	0
OFFICE 2	99	5	1	5	0.06	11	1.0	11	0
TECH 3	97	5	1	5	0.06	11	1.0	11	0
OFFICE 4	113	5	1	5	0.06	12	1.0	12	0
	1	1	1		1				1
TOTAL	1316		29			291		291	0
								Vou	



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ELECTRICA	AL SYMB	DL SCHEDULE		XTURE S	SCHEDULE			PANEL		FA	AULT CURRENT = 8,17
			NAME MANUFACTURER			200 AMP	MAIN BREAK		40 VOLTS		1-PHASE, 3-WIR
SYMBOLS ONELINE DIAGRAM	NOTES	MBOLS LIGHT FIXTURES NOTES		TYPE:	1' X 4' RECESSED LED TROFFER	FEEDER SIZE		ALUMINUM: 2" C, 3	*250 PH, *4 GRD		FLUSH MOUNTE
		Hen Added to light fixture symbol- Indicates wall or bracket mounted light fixture	BLT4R-30L-ADP-EZ1-LP835	HOUSING	DIE-FORMED 22 GAUGE, PRIMED COLD ROLLED STEEL	LOAD DISTRIBUTION	LTG REC MD	ITOR DATA EXTG HEAT	MISC PH-A PH-B	TOTAL AMPS	WITH SPARE
		SURFACE OR PENDANT MOUNTED LIGHT FIXTURE OUTLET . D 2. (NUMBER INDICATES CIRCUIT , CAPITAL LETTER		DIFFUSER: MOUNTING:	CUR∨ED, LINEAR PRISMS RECESSED IN GRID	CONNECTED VA	1291 9456 17	/939 0 0 6750	0 18526 16910	35436 154	35436 VA 1
		 INDICATES FIXTURE TYPE , LOWER CASE LETTER INDICATES SWITCHING CONTROL , TYPICAL FOR ALL 		FINISH:	WHITE BAKED ENAMEL	DIVERSITY FACTOR	125% 100% 1	100% 100% 65% 100%	100%		
		LIGHT FIXTURES) Ø RECESSED CEILING LIGHT FIXTURE		LAMPS:	LED 3500K, 3000 LUMENS, 23 WATTS	DIVERSIFIED VA	1614 9456 17	'939 0 0 6750	0 18761 16998	35759 156	35759 VA 1
			L24 LITHONIA 2BLTR-40L-ADP-EZ1-LP835	TYPE: HOUSING:	2′X 4′RECESSED LED TROFFER DIE-FORMED 22 GAUGE, PRIMED COLD ROLLED STEEL	PL T LOAD		HW GND CON BKR PH	H BKR CON GND PHW		LOAD T F
				DIFFUSER:	CURVED, LINEAR PRISMS	1 M DHP / FC - 1		10 10 1/2 30 2 A		2250	WATER HEATER H
MOTOR WITH MOTOR NUMBER (SEE EQUIPMENT SCHEDULE)				MOUNTING:	RECESSED IN GRID	3 M	2640	B		2250	H
	< <u>2></u>	SINGLE FACE EXIT SIGN WITH NUMBER OF DIRECTIONAL		FINISH:	WHITE POLYESTER ENAMEL	5 M DHP / FC - 2	3840 8	8 10 3/4 40 2 🗚			SPACE
		ARROUS AS SHOUN , CEILING MOUNTED . SOLID QUADRANT INDICATES FACE.			LED 3500K, 4000 LUMENS, 34 WATTS 1 X 4 LED FLAT PANEL	- 7 M	3840	B	5 S		SPACE
		MBOLS SWITCHES NOTES		HOUSING	ALUMINUM FRAME	9 M DHP / FC -3	2400 1	10 10 1/2 30 2 🗚	1 20 1/2 12 12	750	EWH - 1 H
FUSED DISCONNECT SWITCH (FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS UNO.)		\$ SINGLE POLE LIGHT SWITCH + 46"		FINISH:	WHITE POLYESTER COATING	11 M	2400	B	1 20 1/2 12 12	750	EWH - 2 H
COMBINATION MOTOR STARTER / FUSED DISCONNECT		\$3 THREE WAY LIGHT SWITCH + 46"		MOUNTING: LAMPS:	SURFACE - CEILING LED, 82 CRI, 3,500K, 3,300 LUMEN (22/31/41 WATTS)	13 M EXHAUST FAN EF-1	179 1	2 12 1/2 20 1 🗛	1 20 1/2 12 12	750	EWH - 3 H
H ADA DOOR OPERATOR		\$M MOTOR RATED SWITCH + 46"		TYPE:	2 X 2 LED FLAT PANEL	15SPARE	0		1 20 1/2 12 12	900	REC: BREAK ROOM R
		OCUPANCY SENSOR - C=CEILING W=WALL MOUNTED P PHOTOELECTRIC SWITCH	CPANL 2X2 ALD1 SWW7 M4	HOUSING	ALUMINUM FRAME	17 R REC: DFFICE 2 19 R REC: DFFICE 2/3	720 1	<u>.2 12 1/2 20 1</u> A .2 12 1/2 20 1 B	1 20 1/2 12 12 1 20 1/2 12 12	1/2 11/6	REFRIGERATOR R REC: BREAK CNTR R
Image: Miscellaneous panel as noted Image: Main or sub distribution panelboard				FINISH: MOUNTING:	WHITE POLYESTER COATING SURFACE - CEILING	21 R REC: TECH 3	720 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		180	REC: BREAK CNTR R
		MBOLS SECURITY NOTES			LED, 82 CRI, 3,500K, 2,400 LUMEN (22/31/41 WATTS)	23 R REC: DFFICE 4	720 1	.2 12 1/2 20 1 B	b 1 20 1/2 12 12	180	REC: BREAK CNTR R
		SECURITY CAMERA, PROVIDE J-BOX WITH CAT 6 CABLE		TYPE:	LED STRIP LIGHT	25 R REC: DFFICE 4 QUAD) 360 1	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 20 1/2	0	SPARE 2
SYMBOLS RACEWAYS BRANCH CIRCUIT INSTALLED CONCEALED FROM FINISH	NOTES	DOOR POSITION SWITCH	ZL1D L48 SMR 5000LM FST MVOLT 35K		COLD-ROLLED STEEL, ACRYLIC LENS	27 R REC: CLASSROOM	720 1	.2 12 1/2 20 1 B	1 20 1/2	0	SPARE
SPACES . PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE . GROUND CONDUCTOR NOT		M MOTION DETECTOR (OMNI DIRECTIONAL)	80CRI WH	FINISH: MOUNTING:	WHITE POWDER COAT SURFACE - CEILING	29 R REC: CLASSROOM	720 1	.2 12 1/2 20 1 🗚	1 20 1/2	0	SPARE
/ INCLUDED IN HASH MARK INDICATION .	 	CR CARDREADER + 44"		Z8:	8-FODT VERSION L96-10000LM	31 R REC: CLASSROOM	, 20 1	.2 12 1/2 20 1 B	i 1 20 1/2	0	SPARE :
BRANCH CIRCUIT INSTALLED IN OR BELOW FLOOR . PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL		AB ACCESS BUTTON + 44"		LAMPS:	LED, 3,500K, 5,000 LUMEN (41 WATTS) PER 4-FEET	33 R REC: TDILETS / HAL		.2 12 1/2 20 1 🗛	1 20 1/2	0	SPARE :
SCHEDULE . GROUND CONDUCTOR NOT INCLUDED IN HAGH MARK INDICATION .	s	MBOLS AUDIO / VISUAL NOTES	Z8 LITHONIA - Z SERIES ZL1D L96 SMR 10000LM FST MVOLT 35K	TYPE:	SAME AS TYPE Z4 EXCEPT 8-F⊡DT ∨ERSI⊡N L96-10000LM	35 R REC: HALL / ENTRY		<u>.2 12 1/2 20 1</u> B		0	SPARE :
BRANCH CIRCUIT HOME RUN TO PANEL , HASH MARKS INDICATES NUMBER OF CONDUCTORS . PROVIDE		S CEILING SPEAKER	80CRI WH	LAMPS	LED, 3,500K, 10,000 LUMEN (81 WATTS)	37 L LTS: DFFICE AREA	941 1			0	SPARE :
LA- GROUND CONDUCTOR AS INDICATED IN PANEL 135 SCHEDULE, GROUND CONDUCTOR NOT INCLUDED IN		HS WALL MOUNTED SPEAKER + 80"	V2 PR□GRESS	TYPE:	2 FOOT VANITY LIGHT		350 1				UTILITY TRANSFORME
HASH MARK INDICATION .		H(S) WALL MOUNTED SPEAKER HORN + 80" (TV) TELEVISION (VIDEO) OUTLET + 18"	P300182-009-30	MOUNTING: FINISH:	SURFACE – WALL BRUSHED NICKEL	ALL CIRCUIT CONDUCTORS SIZE		2/8/2	2024		24.01 Schedule
LOW VOLTAGE EMPTY CONDUIT WITH PULL STRING - 34" UNO		IR INTERCOM REQUEST STATION (SPEAKER & PUSH BUTTON) + 44"			35 WATT LED						
PB PULL BOX , 6" x 6" x 4" UNLESS NOTED OTHERWISE J J JUNCTION BOX , 4" SQUARE UNLESS OTHERWISE NOTED			W1 LITHONIA	TYPE:	LED WALL PACK						
4" CONDUIT SLEEVE WITH BUSHINGS AT BOTH ENDS .		MBOLS FIRE ALARM NOTES (m) MANUAL PULL STATION + 44''	WDGE1 LED P2 30K 80CRI ∨W M∨OLT DDBX W1E ADD BATTERY: E4WH OPTION	D HOUSING: FINISH:	DIE-CAST ALUMINUM DARK BRENZE			PANEL		гА	ULT CURRENT = 6,17
E		VX COMBINATION VISUAL / AUDIBLE ALARM + 80" AFTE			SURFACE - WALL		MB				
		VISUAL STROBE ALARM + 80" AFTE		LAMPS:	LED, 3,000K, 1,800 LUMEN (15 WATTS)	FEEDER SIZE		ALUMINUM: 2" C, 3	*250 PH, *4 GRD		FLUSH MOUNTE
			W2 LITHONIA WDGE2 LED P4 30K 80CRI ∨W M∨OLT DDBX	D HOUSING:	LED WALL PACK DIE-CAST ALUMINUM	LOAD DISTRIBUTION	LTG REC MD	ITOR DATA EXTG HEAT	MISC PH-A PH-B	TOTAL AMPS	WITH SPARE
	-	IONIZATION SMOKE DETECTOR (CEILING MOUNTED UNO) ION MAGNETIC DOOR HOLDER									16985 VA
SYMBOLS RECEPTACLES				FINISH:	DARK BRONZE	CONNECTED VA	1108 3720 8	3760 0 0 0	0 7336 6252	13588 61	
	NOTES	H HEAT DETECTOR (CEILING MOUNTED, 135* UNO)			SURFACE - WALL	DIVERSITY FACTOR	125% 100% 1	100% 100% 65% 100%	0 7336 6252 100%	13588 61	
WHEN ADDED TO A SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK ARLASH UNO		HEAT DETECTOR (CEILING MOUNTED, 135° UNO)		LAMPS:	SURFACE – WALL LED, 3,000K, 4,300 LUMEN (35 WATTS)			100% 100% 65% 100%		13588 61 13865 63	17331 VA
WHEN ADDED TO A SYMBOL, INDICATES OUTLET • MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. • DUPLEX CONVENIENCE OUTLET + 18			X1 LITHENIA - ECBR LED M6		SURFACE - WALL	DIVERSITY FACTOR	125% 100% 1 1385 3720 8	100% 100% 65% 100%	100% 0 7613 6252	13865 63	17331 VA
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET + 18 GFI DUPLEX CONVENIENCE OUTLET + 18	8" S	HEAT DETECTOR (CEILING MOUNTED, 135° UNO) MBOLS ABBREVIATIONS NOTES	X1 LITHENIA - ECBR LED M6	LAMPS: TYPE: HOUSING: FINISH:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS	DIVERSITY FACTOR DIVERSIFIED VA	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0	100% 0 7613 6252 H BKR CON GND PHW	13865 63 V HP ∨A	
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET + 18 GFI DUPLEX CONVENIENCE OUTLET + 18 DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18	в"	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS AIC AMPERE INTERRUPTING CAPACITY AMP AMPERE C CONDUIT	X1 LITHONIA - ECBR LED M6	LAMPS: TYPE: HOUSING:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH	100% 0 7613 6252 H BKR CON GND PHW	13865 63 ✓ HP ∨A 1/2 1176	LOAD T F
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET FIZ GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL HIL DOUBLE DUPLEX CONVENIENCE OUTLET	8" S	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT EC EC EMPTY CONDUIT (WITH PULL-IN LINE) EC	X1 LITHENIA - ECBR LED M6	LAMPS: TYPE: HOUSING: FINISH:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH	100% 0 7613 6252 H BKR C□N GND PHw 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 ✓ HP ∨A 1/2 1176	LOAD T FAN EF-2A M
 MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED 	B'' B'' B'' B'' UNO	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS AIC AMPERE INTERRUPTING CAPACITY AMP AMPERE C CONDUIT		LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 0 7613 6252 H BKR C□N GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 ✓ HP ✓A 1/2 1176 1/2 1176 1/2 1176 1/2 1176 0 0	L A T FAN EF-2A M EXHAUST FAN EF-2B M I EXHAUST FAN EF-2B M I DIL FURNACE M SPARE I
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET If GFI DUPLEX CONVENIENCE OUTLET HIS DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL HIS DOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED HIS	B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C EAAP FIRE ALARM ANNUNCIATOR PANEL C EACP FIRE ALARM CONTROL PANEL C	X1 LITHONIA - ECBR LED M6	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 0 7613 6252 H BKR C□N GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LDAD T FAN EF-2A M 2 EXHAUST FAN EF-2B M 2 DIL FURNACE M 2 SPARE M 2 BAY 2 DDDR M 1
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET IZ GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED IZ THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA	B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C AAP FIRE ALARM ANNUNCIATOR PANEL C AAP FIRE ALARM CONTROL PANEL C ACP FIRE ALARM CONTROL PANEL C	COQUILLE SD BUS BARN	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 0 7613 6252 H BKR C□N GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 ✓ HP ✓A 1/2 1176 1/2 1176 1/2 1176 1/2 1176 0 0	L A A F EXHAUST FAN EF-2A M 5 EXHAUST FAN EF-2B M 5 OIL FURNACE M 5 BAY 2 DODR M 5 BAY 1 DODR M 5
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET + 12 GFI DUPLEX CONVENIENCE OUTLET + 12 DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 OUBLE DUPLEX CONVENIENCE OUTLET + 12 OIBLE DUPLEX CONVENIENCE OUTLET + 12 OIBLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED	B"' B"' B"' B"' B"' B"' UNO	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C EAAP FIRE ALARM ANNUNCIATOR PANEL C EACP FIRE ALARM CONTROL PANEL C	COQUILLE SD BUS BARN	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 1	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 0 7613 6252 H BKR C□N GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LDAD T FAN EF-2A M F EXHAUST FAN EF-2B M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 SPARE M 1 BAY 2 DDDR M 1
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET + 12 GFI DUPLEX CONVENIENCE OUTLET + 12 DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 JOUBLE DUPLEX CONVENIENCE OUTLET + 12 JOUBLE DUPLEX CONVENIENCE OUTLET + 12 JOUBLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED HREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO	B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C GAAP FIRE ALARM ANNUNCIATOR PANEL C GAD GROUND C GEN GENERATOR C	COQUILLE SD BUS BARN	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 1 13 SPARE	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 0 7613 6252 H BKR C□N GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	L D A D T FAN EF-2A M F EXHAUST FAN EF-2B M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DDDR M 1 BAY 1 DDDR M 1 SPARE M 1
● MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK \$PLASH UNO. ● DUPLEX CONVENIENCE OUTLET + 18 ● GFI DUPLEX CONVENIENCE OUTLET + 18 ● DUPLEX OUTLET WITH HALF \$WITCHED - \$EE DETAIL + 18 ● DUPLEX OUTLET WITH HALF \$WITCHED - \$EE DETAIL + 18 ● DUPLEX OUTLET WITH HALF \$WITCHED - \$EE DETAIL + 18 ● DUPLEX CONVENIENCE OUTLET + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 18 ● SINGLE PHASE \$PECIAL PURPOSE OUTLETS, AS NOTED + 18 ● IHREE PHASE \$PECIAL PURPOSE OUTLETS, AS NOTED + 18 ● FLUSH FLOOR OUTLET AS \$HOWN - ● FLUSH FLOOR OUTLET AS \$HOWN - ● WHEN ADDED TO \$YMBOL , INDICATES OUTLET MOUNTED - ● WHEN ADDED TO \$YMBOL , INDICATES OUTLET MOUNTED - ● WHEN ADDED TO \$YMBOL , INDICATES OUTLET TOP OR<	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C AAP FIRE ALARM ANNUNCIATOR PANEL C GAD GROUND C GEN GENERATOR C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C HP HORSEPOWER C IG ISOLATED GROUND C	COQUILLE SD BUS BARN MECHANICAL	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 0 7613 6252 H BKR C□N GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	L A A A A A A A A A A A A A A A A A A A
• MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. ● DUPLEX CONVENIENCE OUTLET + 18 ● GFI DUPLEX CONVENIENCE OUTLET + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLETS, AS NOTED + 18 ● SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED + 18 ● WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED + 18 ● WI ADDED TO SYMBOL INDICATES WALL MOUNTED + 6 <td>B'' B'' B'' B'' B'' B'' B'' B''</td> <td>HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C GAAP FIRE ALARM ANNUNCIATOR PANEL C GACP FIRE ALARM CONTROL PANEL C GEN GENERATOR C GFI GROUND C C IG IGOLATED GROUND C C IECH MECHANICAL C C</td> <td>COQUILLE SD BUS BARN MECHANICAL</td> <td>LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE:</td> <td>SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE</td> <td>DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 17 SPARE</td> <td>125% 100% 1 1385 3720 8 VA HP PH</td> <td>$\begin{array}{c ccccccccccccccccccccccccccccccccccc$</td> <td>100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20</td> <td>13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176</td> <td>LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1</td>	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C GAAP FIRE ALARM ANNUNCIATOR PANEL C GACP FIRE ALARM CONTROL PANEL C GEN GENERATOR C GFI GROUND C C IG IGOLATED GROUND C C IECH MECHANICAL C C	COQUILLE SD BUS BARN MECHANICAL	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 17 SPARE	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK \$PLASH UNO. DUPLEX CONVENIENCE OUTLET + 12 GFI DUPLEX CONVENIENCE OUTLET + 12 DUPLEX OUTLET WITH HALF \$WITCHED - \$EE DETAIL + 12 DUPLEX OUTLET WITH HALF \$WITCHED - \$EE DETAIL + 12 O SINGLE PHASE \$PECIAL PURPOSE OUTLETS, AS NOTED + 12 O THREE PHASE \$PECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO \$YMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELE/DATA. PROVIDE 2 CAT6 CABLES UNO + 12 WI' ADDED TO \$YMBOL INDICATES WALL MOUNTED + 6 I I 2 FLOOR OUTLET WITH CABLES AS \$HOWN	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C AAP FIRE ALARM ANNUNCIATOR PANEL C GAD GROUND C GEN GENERATOR C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C HP HORSEPOWER C IG ISOLATED GROUND C	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE: HP/KVA	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 17 SPARE 19 I SPARE	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	L I A I A EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 CIL FURNACE M 1 CIL FU
• MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. ● DUPLEX CONVENIENCE OUTLET + 18 ● GFI DUPLEX CONVENIENCE OUTLET + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 18 ● DOUBLE DUPLEX CONVENIENCE OUTLETS, AS NOTED + 18 ● SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 18 ● ILSA FLOOR OUTLET AS SHOWN - SYMBOLS TELEPHONE / DATA - ● WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED - ● WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED + 18 ● WI ADDED TO SYMBOL INDICATES WALL MOUNTED + 6 ● WI ADDED TO SYMBOL INDICATES AS SHOWN -	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMP AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C GAAP FIRE ALARM ANNUNCIATOR PANEL C GACP FIRE ALARM CONTROL PANEL C GEN GENERATOR C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C HP HORSEPOWER C IG ISOLATED GROUND C TECH MECHANICAL C MANUFACTURER MANUFACTURER C	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE: HP/KVA	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP Image: State St	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH .2 10 1/2 30 2 A .2 10 1/2 20 1 B .2 12 1/2 20 1 A .2 12 1/2 20 1 A .2 12 1/2 20 1 A .2 1 1/2 20 1 A .3 1/2 20 1 A A .3 1/2 20 1 A A .3 1/2 20 1 A <td>100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2</td> <td>13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176</td> <td>LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1</td>	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
• MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. ● DUPLEX CONVENIENCE OUTLET + 12 ● GFI DUPLEX CONVENIENCE OUTLET + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 12 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 12 ● DOUBLE DUPLEX CONVENIENCE OUTLETS, AS NOTED + 12 ● SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLET, AS NOTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLET MOUNTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLET MOUNTED + 12 ● ITHENDATION OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO + 12 ● WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED + 12 ● W ADDED TO SYMBOL INDICATES WALL MOUNTE	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135° UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C AAP FIRE ALARM ANNUNCIATOR PANEL C GACP FIRE ALARM CONTROL PANEL C GRUND GROUND C C GEN GENERATOR C C IG ISOLATED GROUND C C IEC MANUFACTURER C C NEC NATIONAL ELECTRIC CODE C C NL NIGHT LIGHT 24 HOUR ' C	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE: TCOMPORT NOTE: TCOMPORT TCOMPORT NOTE: TCOMPORT NOTE: TCOMPORT TCOMP	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 60/2 X 32 MCA, 40 MOCP	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE	125% 100% 1 1385 3720 8 VA HP PH	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
• MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. ● DUPLEX CONVENIENCE OUTLET + 12 ● GFI DUPLEX CONVENIENCE OUTLET + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + 12 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 12 ● DOUBLE DUPLEX CONVENIENCE OUTLET + 12 ● DOUBLE DUPLEX CONVENIENCE OUTLETS, AS NOTED + 12 ● SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLET, AS NOTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLET MOUNTED + 12 ● ITREE PHASE SPECIAL PURPOSE OUTLET MOUNTED + 12 ● ITHENDATION OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO + 12 ● WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED + 12 ● W ADDED TO SYMBOL INDICATES WALL MOUNTE	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C C GAD GROUND C C GEN GENERATOR C C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C C HP HORSEPOWER C C C IG ISOLATED GROUND C C C MEC NATIONAL ELECTRIC CODE C C C NIC NIGHT LIGHT 24 HOUR C C OFCI OWNER FURNISHED OWNER INSTALLED C C C	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORT TCOMPORT TCOMPORT TCOMPORT TCOMPORT TYPE: HDVSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORTO TCOMPORT TCOMPORT TCOMPORTO TCOMPORT	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 60/2 X 32 MCA, 40 MOCP 240 1 60/2 X 32 MCA, 40 MOCP	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH .2 10 1/2 30 2 A .2 10 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
 MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET INGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUGH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELE/DATA. PROVIDE 2 CAT6 CABLES UNO TELEPHONE TERMINAL BOARD, 8" HIGH (WIDTH AS SHOWN), 34" FIRE RESISTIVE PLYWOOD WITH *6 CU GND WIRELESS ACCESS PORT. PROVIDE (1) CAT6a CABLES 	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C C GAAP FIRE ALARM ANNUNCIATOR PANEL C C GAND GROUND G C C GEN GENERATOR C C C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C C C HP HORSEPOWER C C C C C IG ISOLATED GROUND C C C C C C NEC NATIONAL ELECTRIC CODE NL NIGHT LIGHT 24 HOUR C C OFCI OUNER FURNISHED CONTRACTOR INSTALLED C C C C C PB FULL BOX C C C C C C OFCI OUNER FURNISHED OWNER INSTALLED C C C C	CUQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE: TCOMPORT NOTE: TCOMPORT TCOMPORT NOTE: TCOMPORT NOTE: TCOMPORT TCOMP	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 1 60/2 X 32 MCA, 40 MOCP 240 1 30/2 X 20 MCA, 30 MOCP	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH .2 10 1/2 30 2 A .2 10 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
• MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. + ● DUPLEX CONVENIENCE OUTLET + ● GFI DUPLEX CONVENIENCE OUTLET + ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + ● DOUBLE DUPLEX CONVENIENCE OUTLET + ● DOUBLE DUPLEX CONVENIENCE OUTLET + ● DOUBLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● INREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● INDICATES OUTLET AS SHOWN - ● INSTITUTION OF OUTLET AS SHOWN - ● WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED + ● WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED + ● WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED + ● W 'W' ADDED TO SYMBOL INDICATES WALL MOUNTED + ● W 'W' ADDED TO SYMBOL INDICATES WALL MOUNTED + ● <td>B'' B'' B'' B'' B'' B'' B'' B''</td> <td>HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C C GAD GROUND C C GEN GENERATOR C C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C C HP HORSEPOWER C C C IG ISOLATED GROUND C C C MEC NATIONAL ELECTRIC CODE C C C NIC NIGHT LIGHT 24 HOUR C C OFCI OWNER FURNISHED OWNER INSTALLED C C C</td> <td>COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY</td> <td>LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORT TCOMPORT TCOMPORT TCOMPORT TCOMPORT TYPE: HDVSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORTO TCOMPORT TCOMPORT TCOMPORTO TCOMPORT</td> <td>SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 60/2 X 32 MCA, 40 MOCP 240 1 60/2 X 32 MCA, 40 MOCP</td> <td>DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE</td> <td>125% 100% 1 1385 3720 8 VA HP PH</td> <td>100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH .2 10 1/2 30 2 A .2 10 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1</td> <td>100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2</td> <td>13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176</td> <td>LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1</td>	B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C C GAD GROUND C C GEN GENERATOR C C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C C HP HORSEPOWER C C C IG ISOLATED GROUND C C C MEC NATIONAL ELECTRIC CODE C C C NIC NIGHT LIGHT 24 HOUR C C OFCI OWNER FURNISHED OWNER INSTALLED C C C	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORT TCOMPORT TCOMPORT TCOMPORT TCOMPORT TYPE: HDVSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORTO TCOMPORT TCOMPORT TCOMPORTO TCOMPORT	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 60/2 X 32 MCA, 40 MOCP 240 1 60/2 X 32 MCA, 40 MOCP	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE	125% 100% 1 1385 3720 8 VA HP PH	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH .2 10 1/2 30 2 A .2 10 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1	100% 0 7613 6252 H BKR C IIN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
● MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. + ● DUPLEX CONVENIENCE OUTLET + ● GFI DUPLEX CONVENIENCE OUTLET + ● DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL + ● DOUBLE DUPLEX CONVENIENCE OUTLET + ● DOUBLE DUPLEX CONVENIENCE OUTLET + ● DOUBLE DUPLEX CONVENIENCE OUTLETS, AS NOTED + ● SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED + ● TELEPHONE / DATA - - ● ● ● ● ● ● ● ● ● ● ● ●	B'' B'' B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C AAP FIRE ALARM ANNUNCIATOR PANEL C ACP FIRE ALARM CONTROL PANEL C GROUND GROUND C C GEN GENERATOR C C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C C HP HORSEPOWER C C C IG ISOLATED GROUND C C C TECH MECHANICAL C C C TEGR MANUFACTURER C C C NIGHT LIGHT 24 HOUR 'C C C C OFCI OUNER FURNISHED CONTRACTOR INSTALLED C C C OFCI OUNER FURNISHED OUNER INSTALLED C C C C OFOI	CUQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORT TCOMPORT TCOMPORT TCOMPORT TCOMPORT TYPE: HDVSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: TCOMPORTO TCOMPORT TCOMPORT TCOMPORTO TCOMPORT	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 1 60/2 X 32 MCA, 40 MOCP 240 1 30/2 X 20 MCA, 30 MOCP	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	100% 100% 65% 100% 3760 0 0 0 HW GND CON BKR PH .2 10 1/2 30 2 A .2 10 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 B .2 12 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1 A .2 1 1/2 20 1	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL NDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL INDICATES OUTLET MOUNTED WI ADDED TO SYMBOL INDICATES WALL MOUNTED W' ADDED TO SYMBOL INDICATES WALL MOUNTED W' ADDED TO SYMBOL INDICATES WALL MOUNTED W' ADDED TO SYMBOL INDICATES WALL MOUNTED FLOOR OUTLET WITH CABLES AS SHOWN WIRELESS ACCESS PORT. PROVIDE (1) CAT6a CABLES WIRELESS ACCESS PORT. PROVIDE (1) CAT6a CABLES 	B'' B'' B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY AMPERE C CONDUIT CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) CONDUCT ELEC ELECTRICAL CONDUCT AAAP FIRE ALARM ANNUNCIATOR PANEL CONDUCT ACAP FIRE ALARM CONTROL PANEL CONDUCT GEN GROUND GENATOR CONDUCT GEN GENERATOR CONDUCT CONDUCT GEN GROUND FAULT CIRCUIT INTERRUPTER TYPE CONDUCT CONDUCT IG ISOLATED GROUND CONTROL PANEL CONTROL IG ISOLATED GROUND CONTROL CONTROL IECH MECHANICAL CONTROL CONTROL IFGR MANUFACTURER CONTROL CONTROL IECH NIGHT LIGHT 24 HOUR ' CONCOL NL NIGHT LIGHT CONTROL CONTRACTOR INSTALLED CONCOL OFCI OWNER FURNIGHED CONTRACTOR INSTALLED CONCOL CONCOL PB PULL BOX CONCOL CONCOL<	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 240 1 60/2 X 240 1 60/2 X 240 1 30/2 X 20 MCA, 30 MOCP FED FROM OHP - 2 240 1 30/2 X 20 MCA, 30 MOCP FED FROM OHP - 3	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 21 SPARE 21 SPARE 23 SPARE 21 SPARE 23 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 25 SPARE 26 SPARE 27 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 20 S	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 1 1</td> <td>13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176</td> <td>LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 20 1/2 1 1 1 1 1	13865 63 / HP VA 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176 1/2 1176	LUAD T A F EXHAUST FAN EF-2A M 1 EXHAUST FAN EF-2B M 1 DIL FURNACE M 1 BAY 2 DUDR M 1 BAY 2 DUDR M 1 SPARE M 1 SPARE 1 M 1 SPARE 1 M 1 SPARE 1 M 1
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELEPHONE / DATA WI ADDED TO SYMBOL INDICATES WALL MOUNTED WI ADDED TO SYMBOL INDICATES WALL MOUNTED FLOOR OUTLET WITH CABLES AS SHOWN FLOOR OUTLET WITH CABLES AS SHOWN WI RELESS ACCESS PORT. PROVIDE (1) CATES CABLES WIRELESS ACCESS PORT. PROVIDE (1) CATES CABLES NOTES ALL SYMBOLS MAY NOT APPLY DIRECTLY TO THIS JOB. 	B'' B'' B'' B'' B'' B'' B'' B'' B'' B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY A AMP AMPERE C C CONDUIT C EC EMPTY CONDUIT (WITH PULL-IN LINE) C ELEC ELECTRICAL C AAP FIRE ALARM ANNUNCIATOR PANEL C ACP FIRE ALARM CONTROL PANEL C GROUND GROUND C C GEN GENERATOR C C GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE C C HP HORSEPOWER C C C IG ISOLATED GROUND C C C TECH MECHANICAL C C C TEGR MANUFACTURER C C C NIGHT LIGHT 24 HOUR 'C C C C OFCI OUNER FURNISHED CONTRACTOR INSTALLED C C C OFCI OUNER FURNISHED OUNER INSTALLED C C C C OFOI	CDQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EWH - 1 ELECTRIC WALL HEAT CUSTODIAN	LAMPS: TYPE: HOUSING: FINISH: MOUNTING: LAMPS: BATTERY: NOTE:	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP FED FROM OHP - 1 240 1 60/2 X 32 MCA, 40 MOCP FED FROM OHP - 2 240 1 30/2 X 20 MCA, 30 MOCP FED FROM OHP - 3 120 1 JON X 20 MCA, 30 MOCP	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 25 SPARE 27 SPARE 29 SPARE 29 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 25 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 29 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 20 S	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 A A A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
 MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN FLUSH FLOOR OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELE/DATA. PROVIDE 2 CATE CABLES UNO TELE/DATA. PROVIDE 2 CATE CABLES UNO FLOOR OUTLET WITH CABLES AS SHOWN TTE TELEPHONE TERMINAL BOARD, S" HIGH (WIDTH AS SHOWN), ³/₄" FIRE RESISTIVE PLYWOOD WITH • 6 CU GND WIRELESS ACCESS PORT. PROVIDE (1) CATES CABLES WIRELESS ACCESS PORT. PROVIDE (1) CATES CABLES ALL MOUNTING HEIGHTS SHOWN ARE TO CENTERLINE OF DEVICE. ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, 	B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVATIONS NOTES AIC AMPERE INTERRUPTING CAPACITY	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EVH - 1 ELECTRIC WALL HEAT CUSTODIAN EWH - 2 ELECTRIC WALL HEAT TOILET 6	LAMPS: TYPE: HUUSING: FINISH: MUUNTING: LAMPS: BATTERY: NDTE: HP/KVA 5.28 KW 7.68 KW 4.80 KW 750 W	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 60/2 X 32 MCA, 40 MOCP 1 60/2 X 32 MCA, 40 MOCP 240 1 30/2 X 20 MCA, 30 MOCP 240 1 LOCK-OUT BREAKER 20 1 LOCK-OUT BREAKER	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 9 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 17 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 25 SPARE 27 SPARE 29 SPARE 29 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 25 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 29 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 29 SPARE 20 SPARE 20 SPARE 20 SPARE 20 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 SPARE 27 SPARE 27 SPARE 28 SPARE 29 SPARE 29 SPARE 20 S	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>L□AD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DDDR M A BAY 2 DDDR M A BAY 1 DDDR M A SPARE A A A A A A A A A A A A A A A A A A A A <</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	L□AD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DDDR M A BAY 2 DDDR M A BAY 1 DDDR M A SPARE A A A A A A A A A A A A A A A A A A A A <
MOUNTED WITH BOTTOM CF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED STMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL INDICATES UNLER TOP OR BACKSPLASH UNO TELEPHONE / DATA WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELEPHONE TO SYMBOL INDICATES WALL MOUNTED WITH ADDED TO SYMBOL INDICATES WALL MOUNTED WIRELESS ACCESS PORT. PROVIDE (1) CAT6a CABLES ALL SYMBOLS MAY NOT APPLY DIRECTLY TO THIS JOB. ALL MOUNTING HEIGHTS SHOWN ARE TO CENTERLINE OF DEVICE.	B''	HEAT DETECTOR (CEILING MOUNTED, 135* UNO) MBOLS ABBREVIATIONS AIC AMPERE INTERRUPTING CAPACITY AMP AMPERE C CONDUIT EC EMPTY CONDUIT (WITH PULL-IN LINE) ELEC ELECTRICAL AAP FIRE ALARM ANNUCIATOR PANEL ACP FIRE ALARM CONTROL PANEL ACP FIRE ALARM CONTROL PANEL GRD GROUND GEN GENERATOR GFI GROUND FAULT CIRCUIT INTERRUPTER TYPE HP HORSEPOWER IG ISOLATED GROUND IECH MECHANICAL IFGR MANUFACTURER NEC NATIONAL ELECTRIC CODE NL NIGHT LIGHT OFCI OUNER FURNISHED CONTRACTOR INSTALLED OFCI OUNER FURNISHED OUNER INSTALLED PB PULL BOX PH PHASE PNL PANEL PUR POWER SYS SYSTEM T TELEPHONE TERMINAL BOARD	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EWH - 1 ELECTRIC WALL HEAT CUSTODIAN EWH - 2 ELECTRIC WALL HEAT TOILET 6 EWH - 3 ELECTRIC WALL HEAT TOILET 7 EF - 1 EXHAUST FAN ATTIC SPACE	LAMPS: TYPE: H□USING: FINISH: M□UNTING: LAMPS: BATTERY: N□TE: EQUIP HP/K∨A 5.28 KW 7.68 KW 7.68 YW 750 YW 750 YW 179	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS)LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARYALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE SIZEVOLTPHDISC. SWITCHNOTESIZEFUSED240130/2X240160/2X32MCA, 30 MOCP240160/2X240130/2X240130/2X240130/2X240130/2X240130/2X240130/2X20MCA, 30 MOCP1201 <td>DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 A 27 A 29 A 31 A 33 A 35 A 37 L SHOP LIGHTS 39 R DATA RACK</br></br></br></br></br></br></br></br></td> <td>$\begin{array}{c c c c c c c c c c c c c c c c c c c$</td> <td>100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A<td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td><td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td><td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td></td>	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
 MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED FLUSH FLOOR OUTLET AS SHOWN SYMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELE/DATA. PROVIDE 2 CAT6 CABLES UNO I TELE/DATA. PROVIDE 2 CAT6 CABLES UNO I TELEPHONE TERMINAL BOARD, S" HIGH (WIDTH AS SHOWN), ³ / ₄ " FIRE RESISTIVE PLYWOOD WITH * 6 CU GND MOTES I. ALL SYMBOLS MAY NOT APPLY DIRECTLY TO THIS JOB. 2. ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS,	B'' B'' B'' B'' B'' B'' B'' B''	Image: Mean definition of the second seco	CUQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION DHP - 1 HEAT PUMP DUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY DHP - 2 HEAT PUMP DUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY DHP - 3 HEAT PUMP DUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EVH - 1 ELECTRIC WALL HEAT CUSTODIAN EVH - 2 ELECTRIC WALL HEAT TOILET 6 EVH - 3 ELECTRIC WALL HEAT TOILET 7 EF - 1 EXHAUST FAN ATTIC SPACE EF - 2A EXHAUST FAN SHOP	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: HP/KVA 5.28 KW 5.28 KW 5.28 KW 7.68 KW 4.80 KW 7.68 KW 7.68 KW 7.68 KW	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 30/2 X 32 MCA, 40 MOCP FED FROM DHP - 1 240 1 60/2 X 32 MCA, 30 MOCP FED FROM DHP - 2 240 1 30/2 X 20 MCA, 30 MOCP FED FROM DHP - 3 120 1 LOCK-OUT BREAKER 120 1 LOCK-OUT BREAKER	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 A 27 A 29 A 31 A 33 A 35 A 37 L SHOP LIGHTS 39 R DATA RACK	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
MOUNTED WITH BOTTOM OF QUILET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE QUILET GFI DUPLEX CONVENIENCE QUILET GFI DUPLEX CONVENIENCE QUILET DUPLEX QUILET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE QUILET SINGLE PHASE SPECIAL PURPOSE QUILETS, AS NOTED THREE PHASE SPECIAL PURPOSE QUILETS, AS NOTED THREE PHASE SPECIAL PURPOSE QUILETS, AS NOTED FLUSH FLOOR QUILET AS SHOWN SYMBOLS FLUSH FLOOR QUILET AS SHOWN WHEN ADDED TO SYMBOL, INDICATES QUILET MOUNTED WITH BOTTOM OF QUILET AT 2" ABOVE COUNTER TOP OR BACKSPLASH UNO TELEPHONE / DATA WIT ADDED TO SYMBOL INDICATES WALL MOUNTED BACKSPLASH UNO TELEPHONE TERMINAL BOARD, 8" HIGH (WIDTH AS SHOWN), 34," FIRE RESISTIVE PLYWOOD WITH * 6 CU GND MOTES ALL SYMBOLS MAY NOT APPLY DIRECTLY TO THIS JOB. ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, KEYED NOTES ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, KEYED NOTES ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, FROVIDE 3/4" CONDUIT FROM OUTLET BOX TO ACCESSIBLE LOD ADD/Y EVELONG UNDER TO THE AND ADDIT AND ADDIT FROM OUTLET BOX TO ACCESSIBLE LOD ADD/Y EVELONG UNDES NOTED OTHERWISE. TERMINATE CONDUC ADD/Y EVELONG ADD CADEL SYSTEM, SEE 	B'' B'' B'' B'' B'' B'' B'' B''	Image: Mean definition of the second seco	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EVH - 1 ELECTRIC WALL HEAT CUSTODIAN EVH - 2 ELECTRIC WALL HEAT TOILET 6 EVH - 3 ELECTRIC WALL HEAT TOILET 7 EF - 1 EXHAUST FAN ATTIC SPACE EF - 28 EXHAUST FAN SHOP	LAMPS: TYPE: H□USING: FINISH: M□UNTING: LAMPS: BATTERY: N□TE: EQUIP HP/K∨A 5.28 KW 7.68 KW 7.68 YW 750 YW 750 YW 179	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP 240 1 60/2 X 32 MCA, 40 MOCP FED FROM DHP - 1 240 1 60/2 X 32 MCA, 40 MOCP 240 1 30/2 X 20 MCA, 30 MOCP 240 1 30/2 X 20 MCA, 30 MOCP 240 1 30/2 X 20 MCA, 30 MOCP 240 1 30/2 X 10 MCA, 30 MOCP 240 1 1 0 LOCK-OUT BREAKER 120 1 LOCK-OUT BREAKER 120 1 1 1 120 1	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 A 27 A 29 A 31 A 33 A 35 A 37 L SHOP LIGHTS 39 R DATA RACK	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
Mounted with bottom of outlet at 2" Above COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET Get DUPLEX CONVENIENCE OUTLET DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DOUBLE DUPLEX CONVENIENCE OUTLET BOUBLE DUPLEX CONVENIENCE OUTLET SINGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED SIMBOLS TELEPHONE / DATA WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED WI ADDED TO SYMBOL INDICATES WALL MOUNTED TELEPHONE TERMINAL BOARD, 8" HIGH (WIDTH AS SHOUN), *4" FIRE RESISTIVE PLATWOOD WITH *6 CU GND NOTES ALL SYMBOLS MAY NOT APPLY DIRECTLY TO THIS JOB. ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, KEYED NOTES ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, 	B'' B'' B'' B'' B'' B'' B'' B''	Image: Mean definition of the second seco	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EWH - 1 ELECTRIC WALL HEAT CUSTODIAN EWH - 2 ELECTRIC WALL HEAT TOILET 6 EWH - 3 ELECTRIC WALL HEAT TOILET 7 EF - 1 EXHAUST FAN ATTIC SPACE EF - 28 EXHAUST FAN SHOP MD - 1 MOTORIZED DAMPER SHOP	LAMPS: TYPE: HUUSING: FINISH: MUUNTING: LAMPS: BATTERY: NDTE: HP/KVA 5.28 KW FINISH: MUUNTING: LAMPS: BATTERY: NDTE: 4.80 KW 4.80 KW 7.68 KW 1750 W 1750 W 1750 W 179 W 172 HP	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMDPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MDCP FED FROM OHP - 1 240 1 60/2 X 32 MCA, 40 MDCP FED FROM OHP - 2 240 1 30/2 X 20 MCA, 30 MDCP FED FROM OHP - 3 120 1 SOLE X 20 MCA, 30 MDCP FED FROM OHP - 3 120 1 LOCK-DUT BREAKER 120 1 LOCK-	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 A 27 A 29 A 31 A 33 A 35 A 37 L SHOP LIGHTS 39 R DATA RACK	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
 MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK SPLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET UPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL DUPLEX OUTLET WITH HALF SWITCHED - SEE DETAIL INGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLET MOUNTED WHEN ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WHEN ADDED TO SYMBOL INDICATES WALL MOUNTED WIT ADDED TO SYMBOL INDICATES WALL MOUNTED FEOR OUTLET WITH CABLES AS SHOWN TTB TELEPHONE TERMINAL BOARD, S" HIGH (WIDTH AS SHOUN), 34" FIRE RESISTIVE PLYWOOD WITH * 6 CU GND WIRELESS ACCESS PORT. PROVIDE (1) CAT6a CABLES ALL MOUNTING HEIGHTS SHOUN ARE TO CENTERLINE OF DEVICE. ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, KEYED NOTES PROVIDE 3/4" CONDUIT FROM OUTLET BOX TO ACCESSIBLE LOD ABOVE CEILING, UNLESS NOTED OTHERWISE. TERMINATE CONDUD BLUE INSULATED BOX CONNECTORS AND LABEL SYSTEM, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ROUTE CATE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ROUTE CATE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ROUTE CATE 	B'' B'' B'' B'' B'' B'' B'' B''	Image: Mean definition of the second seco	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EVH - 1 ELECTRIC WALL HEAT CUSTODIAN EVH - 2 ELECTRIC WALL HEAT TOILET 6 EVH - 3 ELECTRIC WALL HEAT TOILET 7 EF - 1 EXHAUST FAN ATTIC SPACE EF - 28 EXHAUST FAN SHOP	LAMPS: TYPE: HDUSING: FINISH: MDUNTING: LAMPS: BATTERY: NDTE: HP/KVA 5.28 KW 5.28 KW 5.28 KW 7.68 KW 4.80 KW 7.68 KW 7.68 KW 7.68 KW	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMOPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MOCP FED FROM OHP - 1 240 1 60/2 X 32 MCA, 40 MOCP FED FROM OHP - 2 240 1 30/2 X 20 MCA, 30 MOCP FED FROM OHP - 2 240 1 30/2 X 20 MCA, 30 MOCP FED FROM OHP - 3 120 1 LOCK-OUT BREAKER 120 1 LOCK-	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 A 27 A 29 A 31 A 33 A 35 A 37 L SHOP LIGHTS 39 R DATA RACK	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACK \$PLASH UNO. DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET GFI DUPLEX CONVENIENCE OUTLET IMPLEX DUPLEX CONVENIENCE OUTLET DOUBLE DUPLEX CONVENIENCE OUTLET IMPLEX DUPLEX CONVENIENCE OUTLET INGLE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED THREE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED INDEE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED INTERE PHASE SPECIAL PURPOSE OUTLETS, AS NOTED INDEX TELEPHONE / DATA INTERE PHASE SPECIAL PURPOSE OUTLET MOUNTED INTER ADDED TO SYMBOL, INDICATES OUTLET MOUNTED WITH BOTTOM OF OUTLET AT 2" ABOVE COUNTER TOP OR BACKGPLASH UNO TELE/DATA. PROVIDE 2 CATE CABLES UNO IELE/DATA. PROVIDE 2 CATE CABLES UNO IELEPHONE TERMINAL BOARD, 8" HIGH (WIDTH AS SHOWN), 34" FIRE RESISTIVE PLYWOOD WITH * 6 CU GND IELEPHONE TERMINAL BOARD, 8" HIGH (WIDTH AS SHOWN), 34" FIRE RESISTIVE PLYWOOD WITH * 6 CU GND WIRELESS ACCESS PORT. PROVIDE (1) CAT66 CABLES MURELESS ACCESS PORT. PROVIDE (1) CAT66 CABLES MURELESS ACCESS PORT. PROVIDE (1) CAT66 CABLES ALL MOUNTING HEIGHTS SHOUN ARE TO CENTERLINE OF DEVICE. ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, KEYED NOTES ALL MOUNTING HEIGHTS ARE TYPICAL ON PLANS, KEYED NOTES PROVIDE 3/4" CONDUIT FROM OUTLET BOX TO ACCESSIBLE LOD ABOVE CEILING, UNLESS NOTED OTHERWIGE. TERMINATE CONDU BLUE INSULATED BOX CONNECTORS AND LABEL SYSTEM, SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ROUTE CAT6	B'' B'' B'' B'' B'' B'' B'' B''	Image: Mean definition of the second seco	COQUILLE SD BUS BARN MECHANICAL ID DESCRIPTION LOCATION OHP - 1 HEAT PUMP OUTSIDE FC - 1 FAN COIL UNIT ABOVE HALLWAY OHP - 2 HEAT PUMP OUTSIDE FC - 2 FAN COIL UNIT ABOVE HALLWAY OHP - 3 HEAT PUMP OUTSIDE FC - 3 FAN COIL UNIT BREAK ROOM EWH - 1 ELECTRIC WALL HEAT CUSTODIAN EWH - 2 ELECTRIC WALL HEAT TOILET 6 EWH - 3 ELECTRIC WALL HEAT TOILET 7 EF - 1 EXHAUST FAN ATTIC SPACE EF - 28 EXHAUST FAN SHOP MD - 1 MOTORIZED DAMPER SHOP	LAMPS: TYPE: HUUSING: FINISH: MUUNTING: LAMPS: BATTERY: NDTE: HP/KVA 5.28 KW FINISH: MUUNTING: LAMPS: BATTERY: NDTE: 4.80 KW 4.80 KW 7.68 KW 1750 W 1750 W 1750 W 179 W 172 HP	SURFACE - WALL LED, 3,000K, 4,300 LUMEN (35 WATTS) LED EXIT SIGN WITH EMERGENCY LIGHT BAR THERMDPLASTIC OR POLYCARBONATE WHITE HOUSING WITH RED LETTERS FIELD VERIFY MOUNTING LED NI-CAD BATTERY DOUBLE FACE AS NECESSARY ALL FIXTURES ARE 120 VOLT UNLESS NOTED OTHERWIS ENT SCHEDULE VOLT PH DISC. SWITCH NOTE SIZE FUSED 240 1 30/2 X 22 MCA, 30 MDCP FED FROM OHP - 1 240 1 60/2 X 32 MCA, 40 MDCP FED FROM OHP - 2 240 1 30/2 X 20 MCA, 30 MDCP FED FROM OHP - 3 120 1 SOLE X 20 MCA, 30 MDCP FED FROM OHP - 3 120 1 LOCK-DUT BREAKER 120 1 LOCK-	DIVERSITY FACTOR DIVERSIFIED VA PL T LOAD 1 M AIR COMPRESSER 3 M 5 R REC: PARTS 7 R REC: PARTS 7 R REC: BAY 2 11 R REC: BAY 2 11 R REC: BAY 1 13 SPARE 15 SPARE 15 SPARE 15 SPARE 17 SPARE 19 SPARE 21 SPARE 21 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 23 SPARE 24 SPARE 25 A 27 A 29 A 31 A 33 A 35 A 37 L SHOP LIGHTS 39 R DATA RACK	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	100% 100% 65% 100% 3760 0 0 0 HW GND CDN BKR PH 2 10 1/2 30 2 A 2 10 1/2 30 2 A 2 10 1/2 20 1 A 2 12 1/2 20 1 A 1/2 20 1 B A A 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 B A B 1/2 20 1 A B A <td>100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1</td> <td>13865 63 HP $\vee A$ $1/2$ 1176 0 0</td> <td>LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A</td>	100% 0 7613 6252 H BKR CIDN GND PHW 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 12 1 20 1/2 12 13 1 20 1/2 14 16 17 1	13865 63 HP $\vee A$ $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 $1/2$ 1176 0	LIAD T F EXHAUST FAN EF-2A M A EXHAUST FAN EF-2B M A DIL FURNACE M A BAY 2 DIDR M A BAY 2 DIDR M A BAY 1 DIDR M A BAY 1 DIDR M A SPARE A A A A A A A A A A A A A A A A A A A A
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ELECTRICAL DRAWING INDEX	
SHEET NO.	SHEET DESCRIPTION
E1.0	SYMBOLS & 1-LINE DIAGRAM
E1.1	UNDERSLAB ELECTRICAL
E2.0	ELECTRICAL PLAN - LIGHTING
E3.0	ELECTRICAL PLAN - POWER & SIGNAL

BIDDER'S NOTES

- BASE BID ELECTRICAL
- EQUIPMENT AND FUTURE USE BY OWNER.
- 3. SEE EI.I

ALTERNATE

CEILING AND FLOOR FINISHES 2. PROVIDE ELECTRICAL CONNECTION TO MECHANICAL HVAC EQUIPMENT INCLUDING EXHAUST FANS.

SEE SCHEDULE OF ALTERNATES IN SPECIFICATION SECTION Ø1-2300 ALTERNATES FOR ADDITIONAL INFORMATION.

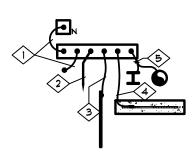
PROJECT NOTES

1. PROVIDE LOCK-OUT BREAKER FOR ALL PERMANENTLY CONNECTED APPLIANCES OVER 300 VA

2/8/2024

1. PROVIDE ALL UNDERSLAB CONDUITS FOR ELECTRICAL AND TELECOMMUNICATIONS SERVICE AND EXTEND TO RESPECTIVE UTILITY POLE OR OTHER CONNECTION POINT. 2. PROVIDE ALL UNDERGLAB CONDUITS AS INDICATED FOR HVAC

1. PROVIDE ELECTRICAL ROUGH-IN COMPLETE WITH J-BOXES, CONDUIT AND CONDUCTORS, READY FOR GYPSUM BOARD AND OTHER WALL AND



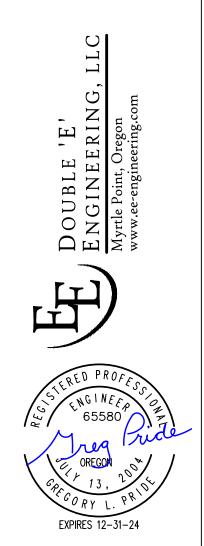
KEYED NOTES

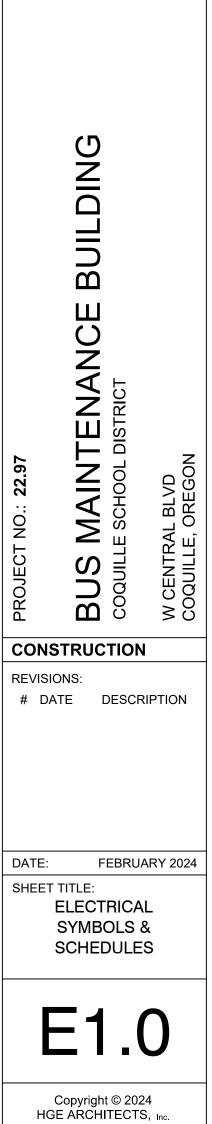
- +4 CU MAIN BENDING JUMPER AND EQUIPMENT BENDING JUMPER PER NEC 250.28(D) AND 250.102(C)
- #4 CU GROUNDING ELECTRODE SYSTEM JUMPER PER NEC 250.52(A)(1,2 AND 4). SIZE GROUND RING CONNECTIONS PER 250.66(C)
- #6 CU TO ROD, PIPE, OR PLATE ELECTRODES PER NEC 250.66(A)
- #4 CU TE CENCRETE ENCASED ELECTREDE PER NEC 250.52(A)(3) AND 250.66(B)
- Image: Second second

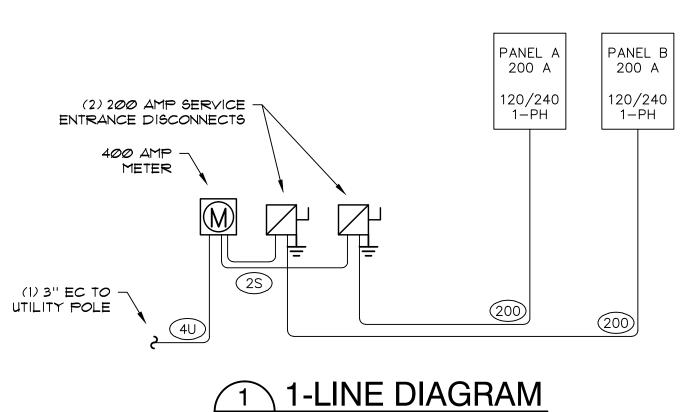




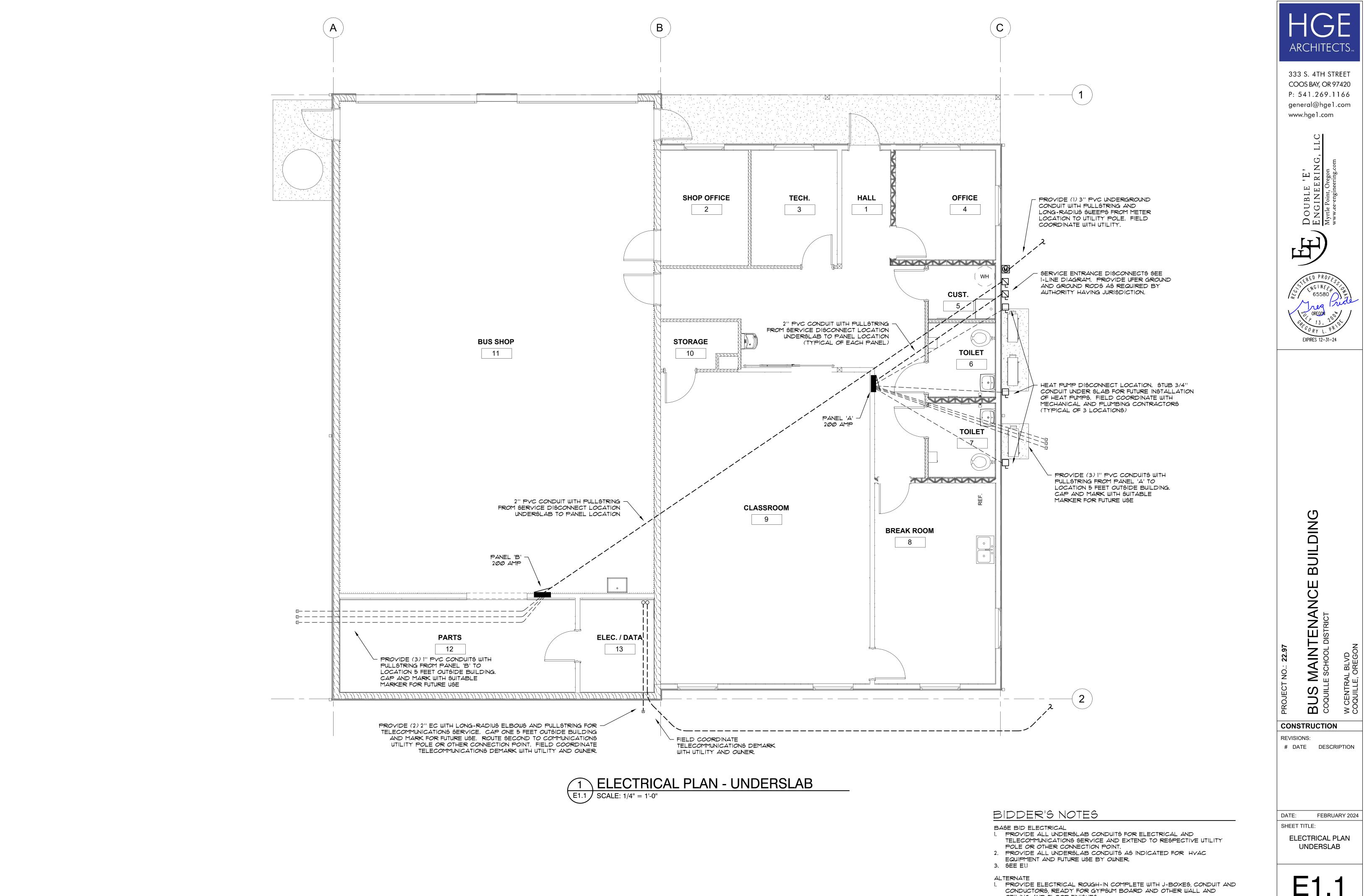
333 S. 4TH STREET COOS BAY, OR 97420 P: 541.269.1166 general@hge1.com www.hgel.com







E1.0 120/240 VOLT, 1-PH



CEILING AND FLOOR FINISHES 2. PROVIDE ELECTRICAL CONNECTION TO MECHANICAL HVAC EQUIPMENT INCLUDING EXHAUST FANS.

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