

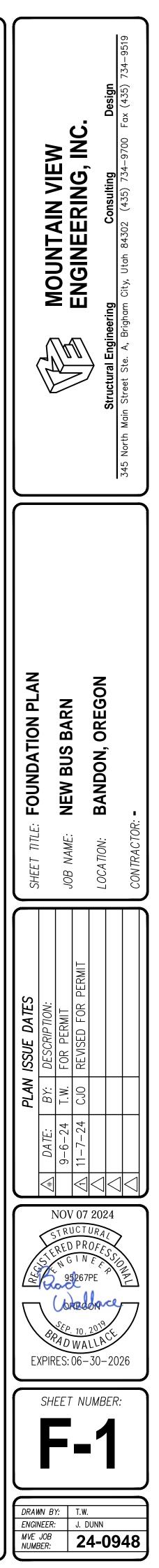
# -see next page for footing details and sizes

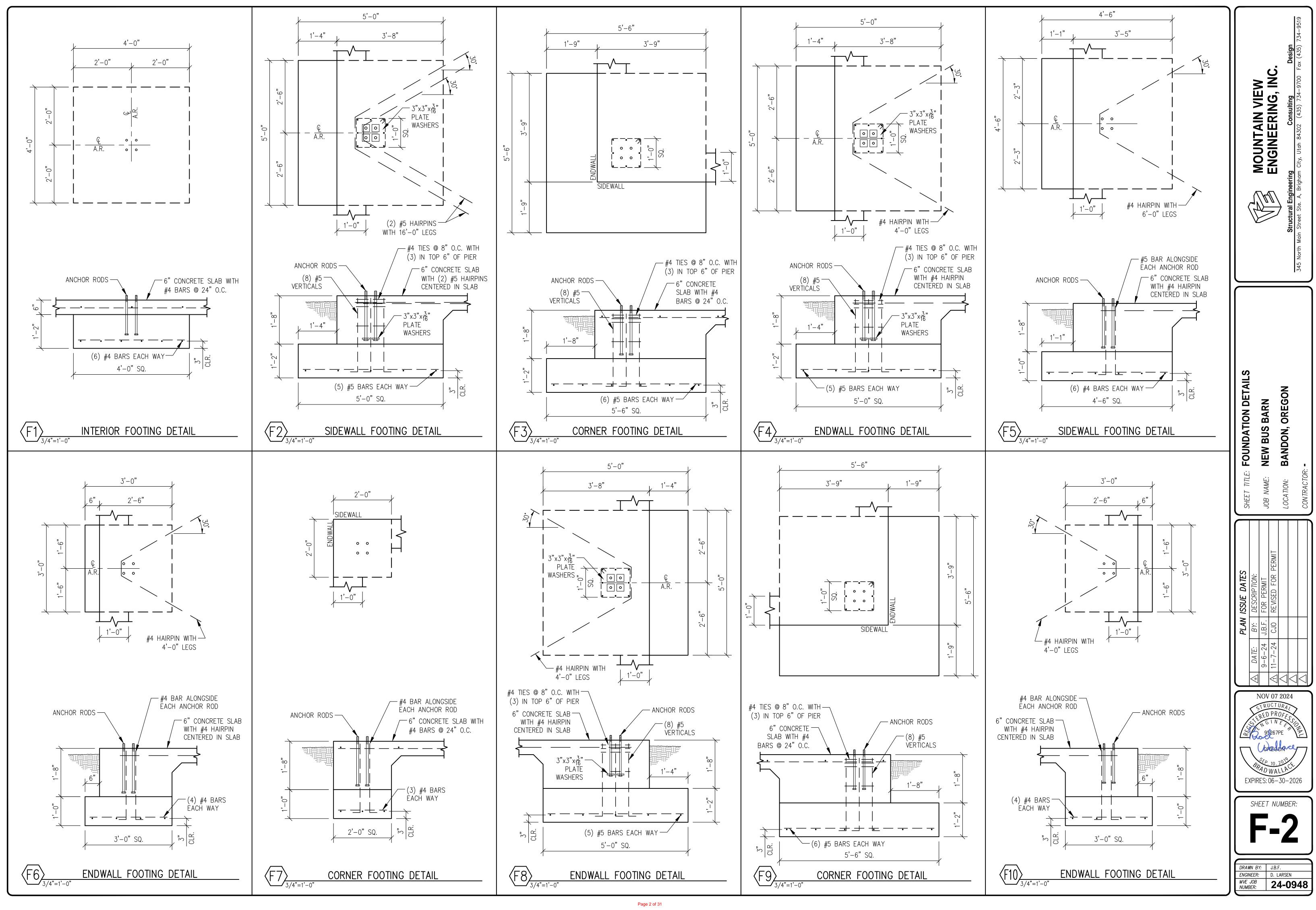


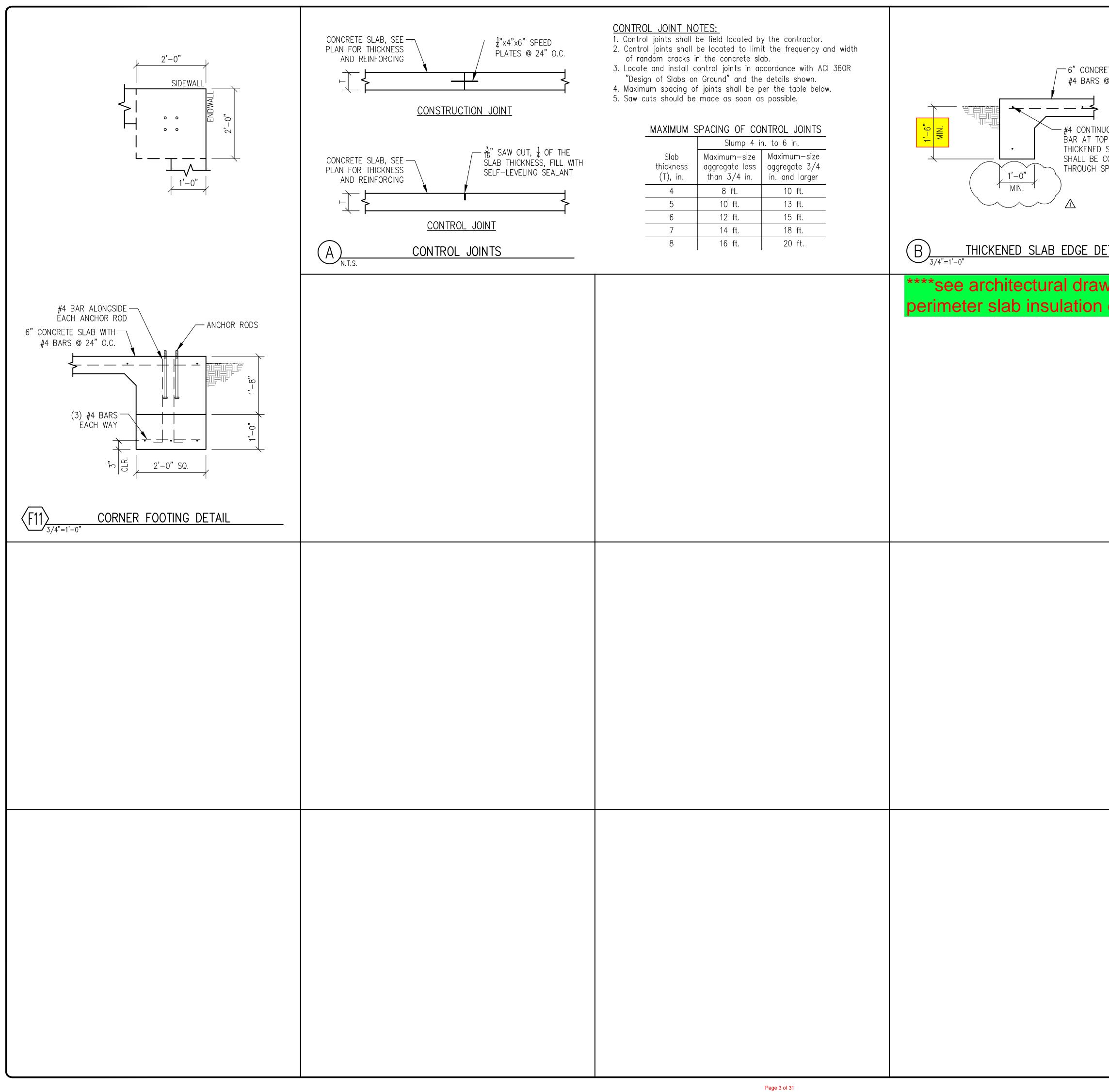
Coos County Building Codes Divisio Plan Review for Code Compliance



- ii. Welding Special inspection of rebar welding is required (if any







ETE SLAB WITH @ 24" O.C. JOUS HORIZONTAL P AND BOTTOM OF SLAB EDGE, BARS CONTINUOUS POT FOOTINGS	ADUNTAIN VIEW       MOUNTAIN VIEW         ROUNTAIN VIEW       BOUNTAIN VIEW         BUGINEERING, INC.       BUGINEERING, INC.         345 North Main Street Ste. A, Brigham City, Utah B4302 (435) 734–9700 Fax (435) 734–9519
	SHEET TITLE: FOUNDATION DETAILS JOB NAME: NEW BUS BARN LOCATION: BANDON, OREGON CONTRACTOR: -
	Image: Stress of the stress

# BANDON SCHOOL DISTRICT NEW BUS BARN

\*\*\*\* see separate document for steel building plan

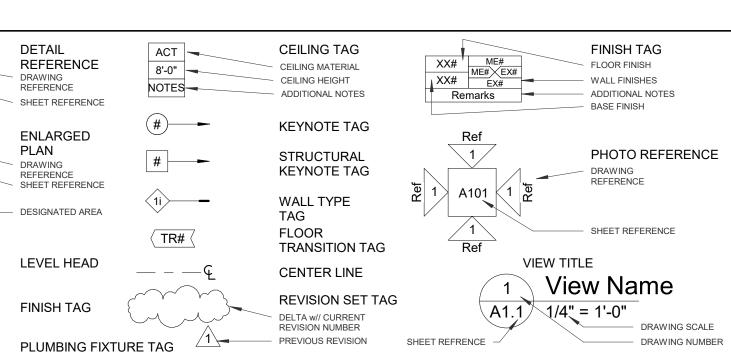
	OJECT NOTES	ABBRE	EVIATIONS		
1.	ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE	A.B. A.C. A.C.B. ACI	ANCHOR BOLT ASPHALT CONCRETE ACOUSTICAL BOARD AMERICAN CONCRETE	Ga. GALV. GL GLB	GAUGE GALVANIZED GRID LINE GLULAM BEAM
	DRAWINGS.	A.C.P.	INSTITUTE ACOUSTICAL PANEL	G.B. GND.	GRAB BAR GROUND
2.	THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION MEANS AND METHODS.	A.C.T.	ACOUSTICAL CEILING	GYP. G.W.B.	GYPSUM GYPSUM WALL BOARD
	RESPONSIBILITY SHALL INCLUDE BUT NOT LIMITED TO DEMOLITION AND CONSTRUCTION MEANS AND METHODS,	ADD'L. A.D.	ADDITIONAL AREA DRAIN	H.B. H.C.	HOSE BIBB HOLLOW CORE
	TECHNIQUES, SEQUENCING, AND SAFETY REQUIRED TO	ADJ. A.F.	ADJUSTABLE ACCESS FLOORING	h.m. Horiz.	HOLLOW METAL HORIZONTAL
	COMPLETE CONSTRUCTION.	AGGR. A.F.F.	AGGREGATE ABOVE FINISHED FLOOR	HSS	HOLLOW STRUCTURAL STEEL
	BEFORE STARTING A SECTION OF WORK THE CONTRACTOR SHALL CAREFULLY EXAMINE PREPARATORY	AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	IBC	INTERNATIONAL BUILDING CODE
	WORK THAT HAS BEEN EXECUTED. ENSURE THAT WORK AND ADJACENT RELATED WORK WILL FINISH TO PROPER	ARCH.	ARCHITECT	I.D.	INSIDE DIAMETER
	PLANES AND LEVELS.	ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	IN. INT.	INCH INTERIOR
	CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE	ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	J.B. J.O.H.	JUNCTION BOX JAMB OPENING HEIGHT
	WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES.	AWS	AMERICAN WELDING SOCIETY	J.O.W. JT.	JAMB WIDTH JOINT
		BD. BITUM.	BOARD BITUMINOUS	K KSF	KIPS KIPS PER SQUARE FOOT
•	CONTRACTOR IS RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND	BKP. BM.	BACKING PLATE BEAM	KSI LAM.	KIPS PER SQUARE INCH LAMINATE
	DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING	BOT./B.O.	BOTTOM/BOTTOM OF	LB.	POUND
	WITH THE CONSTRUCTION. IF THERE ARE ANY QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A	C.B. CEM.	CATCH BASIN CEMENT	L.L. LLH	LIVE LOAD LONG LEG HORIZONTAL
	CLARIFICATION FROM THE ARCHITECT BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATE	CER. C.G.	CERAMIC CORNER GUARD	LLV LOC.	LONG LEG VERTICAL LOCATION
	WORK.	C.I. C.J.	CAST IRON CONTROL JOINT	LONG. L.P.	LONGITUDINAL LOW POINT
	THE CONTRACTOR SHALL NOT SCALE DRAWINGS. WRITTEN	CJP	COMPLETE JOINT PENETRATION	LVF MAX.	LOW VELOCITY FASTENER
	DIMENSIONS SHALL ALWAYS GOVERN. CONTRACTOR REQUIRING DIMENSIONS NOT NOTED SHALL ALWAYS	CLG	CENTERLINE	MBMA	METAL BUILDING
	CONTACT THE PROJECT TEAM FOR SUCH INFORMATION PRIOR TO PRECEDING WITH WORK RELATED TO THOSE	CLG. CLKG.	CEILING CAULKING		MANUFACTURERS ASSOCIATION
	DIMENSIONS	CLO. CLR.	CLOSET CLEAR	M.C. M.D.F.	MEDICINE CABINET MEDIUM DENSITY
	THE CONTRACTOR SHALL PROTECT, PATCH, AND REPAIR	CMU	CONCRETE MASONRY UNIT	M.D.O.	FIBERBOARD MEDIUM DENSITY
	TO MATCH ANY WALLS, FLOORS, CEILINGS, AND/OR OTHER SURFACES WHICH MAY BE DISTURBED DURING THE	C.O. CONC.	CASED OPENING CONCRETE	MECH.	OVERLAY MECHANICAL
	INSTALLATION OF MECHANICAL, ELECTRICAL, PLUMBING OR OTHER OWNER WORK.	CONN.	CONNECTION	MEMB.	MEMBRANE
	THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL	CONST. CORR.	CONSTRUCTION CORRIDOR	MFR. MH.	MANUFACTURER MANHOLE
	CUTTING AND PATCHING REQUIRED FOR PROPER INSTALLATION OF MATERIAL AND EQUIPMENT. PROVIDE	CPT. CTSK.	CARPET COUNTERSUNK	MIN. MIR.	MINIMUM MIRROR
	DEMOLITION AND PATCH/REPAIR IN ALL AREAS (WHETHER	C.T. CTR.	CERAMIC TILE CENTER	MISC. M.O.	MISCELLANEOUS MASONRY OPENING
	SPECIFICALLY SHOWN OR NOT) TO ACCOMMODATE ALL WORK.	DBA	DEFORMED BAR ANCHOR	M.P. MPH	MIDPOINT MILES PER HOUR
	IF THE CONTRACTOR ENCOUNTERS A CONDITION NOT	D.F.	DRINKING FOUNTAIN	M.S.	MACHINE SCREW
	COVERED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY AND RESOLVE THE ISSUE	D.L. DET.	DEAD LOAD DETAIL	MT	MAGNETIC PARTICLE TESTING
	WITH THE PROJECT TEAM BEFORE COMMENCING ANY WORK.	DIA., Ø DISP.	DIAMETER DISPENSER	MTD. MUL.	MOUNTED MULLION
		DR. DWG.	DOOR DRAWING	(N) N.I.C.	NEW NOT IN CONTRACT
).	ALL PERMITS ASSOCIATED WITH THE PROJECT SHALL BE PAID AND OBTAINED BY THE CONTRACTOR.	DWR.	DRAWER	NOM. N.T.S.	NOMINAL NOT TO SCALE
1.	DIMENSIONS ARE TO FACE OF FRAMING UNLESS	D.S. D.S.P.	DOWNSPOUT DRY STANDPIPE	OBS.	OBSCURE
	OTHERWISE NOTED.	(E) E.J.	EXISTING EXPANSION JOINT	o.c. O.C.D.	ON CENTER OVERHEAD COILING
2.	GENERAL CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR JOB CONDITIONS OF THE	ELEC.	ELECTRICAL ELEVATION	O.C.G	DOOR OVERHEAD COILING
	JOB SITE, INCLUDING SAFETY OF PERSONS AND PROPERTY	EQ. EXPO.	EQUAL EXPOSED	O.D.	GRILLE OUTSIDE DIAMETER
_	AND COMPLIANCE WITH OSHA SAFETY STANDARDS.	EXP. EXT.	EXPANSION EXTERIOR	O.F.C.I.	OWNER FURNISHED CONTRACTOR
3.	WHEN PORTIONS OF THE WORK ARE PERFORMED BY THE CONTRACTOR ON A DESIGN-BUILD BASIS, THE	F.A.	FIRE ALARM	O.F.D.	INSTALLED OVERFLOW DRAIN
	CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF SUCH SYSTEMS AND FOR THE SECURING OF	FB. F.D.	FLAT BAR FLOOR DRAIN	0.F.O.I.	OWNER FURNISHED
	ALL ASSOCIATED PERMITS,. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL DESIGN	FDN. FE	FOUNDATION FIRE EXTINGUISHER	OH.	OWNER INSTALLED OPPOSITE HAND
	BUILD SUB CONTRACTORS .	F.E.F. F.H.	FACE OF EXISTING FINISH FLAT HEAD	OPP. OWJ	OPPOSITE OPEN WEB JOIST
	CONTRACTOR SHALL AVOID INTERFERENCE AND CONFLICT WITH THE BUILDING'S NORMAL OPERATION. CONTRACTOR	FIN. FLR.	FINISH FLOOR		
4.		F.O.C	FACE OF CONCRETE		
1.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS		FACE OF FINISH		
4.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF	F.O.F F.O.S.	FACE OF STUDS		
۱ <u>.</u>	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND	F.O.S. F.S. FT.	FULL SIZE FOOT		
	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF	F.O.S. F.S.	FULL SIZE		
	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS	F.O.S. F.S. FT. FTG.	FULL SIZE FOOT FOOTING		
4. 5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS	F.O.S. F.S. FT. FTG.	FULL SIZE FOOT FOOTING		
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND Dom name ROOM NAME	F.O.S. F.S. FT. FTG. FUT.	FULL SIZE FOOT FOOTING FUTURE	ACT	CEILING TAG
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND Dom name ROOM NAME 101 ROOM NUMBER	F.O.S. F.S. FT. FTG. FUT.	FULL SIZE FOOT FOOTING FUTURE SIM DETAIL REFERENCE DRAWING REFERENCE	ACT 8'-0" NOTES	
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND mame ROOM NAME 101 ROOM NUMBER 150 SF ROOM AREA 1 Ref	F.O.S. F.S. FT. FTG. FUT.	FULL SIZE FOOT FOOTING FUTURE SIM DETAIL REFERENCE DRAWING	8'-0"	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND Method Number 101 ROOM NUMBER 150 SF ROOM AREA N 1 Ref ROOM AREA	F.O.S. F.S. FT. FTG. FUT. ION SYMBOL REFERENCE ERENCE	FULL SIZE FOOT FOOTING FUTURE DETAIL REFERENCE DRAWING REFERENCE SHEET REFERENCE SHEET REFERENCE	8'-0"	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND MATERIALS ROOM NAME 101 ROOM NUMBER 150 SF ROOM AREA N PROJECT NORTH ROOM ATERIALS NUTERIOR E	F.O.S. F.S. FT. FTG. FUT. ION SYMBOL REFERENCE ERENCE	FULL SIZE FOOT FOOTING FUTURE SIM BETAIL REFERENCE DRAWING REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE	8'-0"	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND Mental Stream ROOM NAME 101 ROOM NUMBER 150 SF ROOM AREA N PROJECT NORTH	F.O.S. F.S. FT. FTG. FUT. ION SYMBOL REFERENCE ERENCE	FULL SIZE FOOT FOOTING FUTURE DETAIL REFERENCE DRAWING REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE	8'-0"	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES KEYNOTE TAG STRUCTURAL KEYNOTE TAG
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND MATERIALS ROOM NUMBER 150 SF ROOM AREA N PROJECT NORTH MATERIALS PROJECT NORTH MATERIALS REGULATIONS REFERENCE SHEET REF	F.O.S. F.S. FT. FTG. FUT. ION SYMBOL REFERENCE ERENCE	FULL SIZE FOOT FOOTING FUTURE	8'-0"	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES KEYNOTE TAG STRUCTURAL KEYNOTE TAG WALL TYPE TAG
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND MOM NAME 101 ROOM NUMBER 150 SF ROOM AREA N 101 PROJECT NORTH 101 DOOR NUMBER 101 DOOR NUMBER	F.O.S. F.S. FT. FTG. FUT.	FULL SIZE FOOT FOOTING FUTURE DETAIL REFERENCE DRAWING REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE	8'-0"	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES KEYNOTE TAG STRUCTURAL KEYNOTE TAG WALL TYPE
	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND DOM NAME 101 ROOM NUMBER 150 SF ROOM AREA N PROJECT NORTH 101 DOOR NUMBER 101 DOOR NUMBER	F.O.S. F.S. FT. FTG. FUT. ION SYMBOL REFERENCE ERENCE ION SYMBOL LEVATION ERENCE G & WALL Na ERENCE	FULL SIZE FOOT FOOTING FUTURE DETAIL REFERENCE DRAWING REFERENCE SHEET REFERENCE SHEET REFERENCE	8'-0" NOTES	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES KEYNOTE TAG STRUCTURAL KEYNOTE TAG WALL TYPE TAG FLOOR
5.	TO COMPLY WITH THE BUILDING RULES AND REGULATIONS REGARDING SCHEDULING AND USE OF ELEVATORS AND LOADING DOCKS FOR DELIVERY AND HANDLING OF MATERIALS, EQUIPMENT, AND DEBRIS. ALL KEY NOTES INDICATE NEW ITEMS TYPICALLY UNLESS NOTED OTHERWISE SYMBOLS LEGEND MOM NAME 101 ROOM NUMBER 150 SF ROOM AREA N 101 DOOR NUMBER 101 DOOR NUMBER 101 DOOR NUMBER SIM BUILDIN SECTION	F.O.S. F.S. FT. FTG. FUT. ION SYMBOL REFERENCE ERENCE ION SYMBOL LEVATION ERENCE G & WALL Na ELEVATION E	FULL SIZE FOOT FOOTING FUTURE DETAIL REFERENCE DRAWING REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE SHEET REFERENCE DRAWING REFERENCE SHEET REFERENCE DESIGNATED AREA	8'-0" NOTES	CEILING MATERIAL CEILING HEIGHT ADDITIONAL NOTES KEYNOTE TAG STRUCTURAL KEYNOTE TAG WALL TYPE TAG FLOOR TRANSITION TAG

**1**i

### **BID AND PERMIT SET**

### **BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW **BANDON**, OR 97411

F	PAF	POWDER ACTUATED
ſ	P/C	FASTENER PRECAST (CONCRETE)
	PCF	POUNDS PER CUBIC
F	PEMB	FOOT PRE-ENGINEERED METAL
r	ור	BUILDING PLATE
-	⊃L ⊃.LAM.	PLATE PLASTIC LAMINATE
	PLAS. P.C.P.	
1	P.C.P.	PORTLAND CEMENT PLASTER
F	эĴЬ	PARTIAL JOINT PENETRATION
F	PR.	PAIR
-	PSF PSI	POUNDS PER FOOT POUNDS PER INCH
F	P/T	POST-TENSIONED
-	P.T. PTN.	PRESSURE TREATED PARTITION
	(R)	REMOVE
	R., RAD. R.C.P.	RADIUS REFLECTED CEILING
r	חר	PLAN ROOF DRAIN
		REFERENCE
	REINF. REQ'D.	REINFORCING REQUIRED
	RL.	RELOCATE
	R.O. RWD.	ROUGH OPENING REDWOOD
F	REV.	REVERSED
ç	S.C.	SOLID CORE or SLIP CRITICAL
	S.C.D.	SEE CIVIL DRAWINGS
	SCHED. SHR.	SCHEDULE SHOWER
	SIM.	SIMILAR
	S.J. S.L.D.	SCORE JOINT SEE LANDSCAPING
c	SLRS	DRAWINGS SEISMIC LOAD RESISTING
		SYSTEM
	S.M. S.M.D	SHEET METAL SEE MECHANICAL
		DRAWINGS
	S.O.G. SPEC.	SLAB ON GRADE SPECIFICATION
5	SQ. S.S.D.	SQUARE SEE STRUCTURAL
		DRAWINGS
	S.S. SSMA	STAINLESS STEEL STEEL STUD
		MANUFACTURERS
S	STD.	ASSOCIATION STANDARD
9	STRUCT.	
	S.T.S. SUSP.	SELF TAPPING SCREW SUSPENDED
5	sym. Thru	SYMMETRICAL THROUGH
-	TYP.	TYPICAL
-	TRD. T.B.	TREAD TOWEL BAR
	I.C.	TOP OF CURB
	T & G THK.	TONGUE AND GROOVE THICK
-	TJ	TRUSS JOIST
-	T.P. TRANS.	TOP OF PAVEMENT TRANSVERSE
-	T.W.	
	J.N.O.	UNLESS NOTED OTHERWISE
l	J.T. VERT.	ULTRASONIC TESTING VERTICAL
```	√.I.F.	VERIFY IN FIELD
		VENT THROUGH ROOF WITH
١	N/O	WITHOUT
	N.C. NF	WATER CLOSET WIDE FLANGE
١	N.O.	WINDOW OPENING
1	N.P.	WORK POINT



### **PROJECT NARRATIVE**

THE PROJECT CONSISTS OF DEMOLISHING THE EXISTING BUS BARN FOR THE BANDON SCHOOL DISTRICT AND CONSTRUCTING A NEW 80'x100' PRE-ENGINEERED METAL BUILDING (PEMB) IN ITS PLACE. INCLUDED IN THE PROJECT SCOPE IS SITE WORK, INCLUDING A NEW ACCESSIBLE PARKING STALL, AS NEEDED TO CONSTRUCT THE NEW REPLACEMENT BUILDING PER CIVIL.

#### **ARCHITECTURAL SCOPE**

NEW 80'x100' PRE-ENGINEERED METAL BUILDING (PEMB) WITH OFFICE SPACES AND BUS STORAGE PER PLANS

#### CIVIL SCOPE

THE PROPOSED SCOPE OF WORK INCLUDES DEMOLITION OF THE EXISTING BUS BARN, SITE GRADING, PAVING, STORMWATER CONVEYANCE FACILITIES, FENCING, AND UTILITY IMPROVEMENTS. PROPOSED UTILITY IMPROVEMENTS CONSIST OF UNDERGROUND POWER, PRIVATE WATER SERVICE EXTENSION, AND A PRIVATE SANITARY SEWER GRINDER PUMP.

# NOTICE

### **THESE APPROVED PLANS SHALL BE KEPT ON SUCH BUILDING OR** WORK AT ALL TIMES DURING WHICH THE WORK AUTHORIZED **THEREBY IS IN PROGRESS UNTIL FINAL INSPECTION**

#### **DESIGN / BUILD SCOPE**

MEP TO BE DESIGN BUILD BY THE G.C. AND SUBCONTRACTORS, G.C. AND SUBCONTRACTORS TO REVIEW PLANS AND PROVIDE CODE REQUIRED MEP DESIGN IN COORDINATION WITH THE ARCHITECTURAL PLANS. NOTIFY ARCHITECT IF FURTHER MODIFICATIONS ARE REQUIRED

#### MECHANICAL DESIGN AND INSTALLATION OF HVAC SYSTEM

2. DESIGN AND INSTALLATION OF VENTILATION AND EXHAUST SYSTEM

PLUMBING: INSTALLATION OF PLUMBING FIXTURES, SUPPLY LINES AND SEWER **2.** INSTALLATION OF HOSE BIBS

ELECTRICAL: COORDINATE ALL WORK WITH MECHANICAL AS REQUIRED FOR NEW 1. HVAC EQUIPMENT

- INSTALLATION OF LIGHTING FIXTURES REMOVAL OF LIGHT AND POWER POLES OUTSIDE OF BUILDING PER 3.
- CIVIL BURYING OF POWER BELOW GROUND, COORDINATE WITH CIVIL
- PROVIDE POWER AS REQUIRED TO OPERATE ANY SHOP EQUIPMENT INSTALLATION OF ELECTRICAL EQUIPMENT FOR SOLAR READY 6. REQUIREMENTS

#### **AERIAL PHOTO**



#### PROJECT TEAM

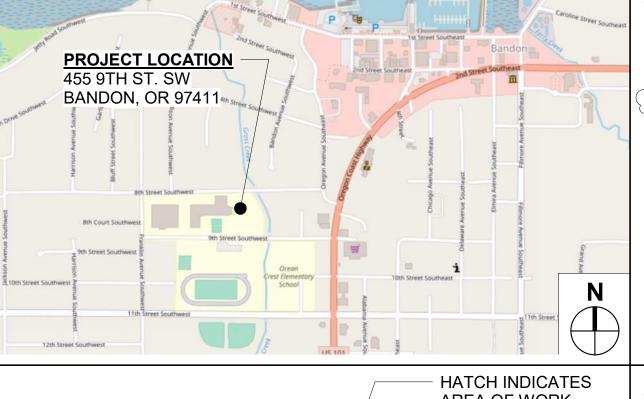
OWNER: CONTACT: <u>SHAUNA SCHMERER</u> BANDON SCHOOL DISTRICT 455 9TH ST. SW BANDON, OR 97411 T 541.347.4411

<u>CIVIL ENGINEERING:</u> ENGINEER OF RECORD: <u>SYLAS E. ALLEN, PE</u> CONTACT: <u>LUCAS GOWEY</u> ZCS ENGINEERING & ARCHITECTURE 127 NW D ST. GRANTS PASS, OR 97526 T 503.659.2205

ARCHITECTURE: STAMPING REGISTRANT: ZACHARY A. STOKES, PE CONTACT: <u>DAN SALTEE, AIA</u> ZCS ENGINEERING & ARCHITECTURE 524 MAIN ST., STE. 2 OREGON CITY, OR 97045 T 503.659.2205

GENERAL CONTRACTOR: SCOTT PARTNEY CONSTRUCTION 598 CHAPPELL PARKWAY NORTH BEND, OR 97459 T 541.756.7060

#### VICINITY MAP



OREGO<sub>A</sub> Coos County Building Codes Division Plan Review for Code Compliance

**Structural Plan Review: APPROVED** 

11/05/2024 11:45:33 AM

Plan Reviewed By: bkupersmith his Plan Approval does not authorize any omission or deviation from requirement of any State or Federal laws, rules or regulations, or any local ordinances. This

approved plan is not a building permit.



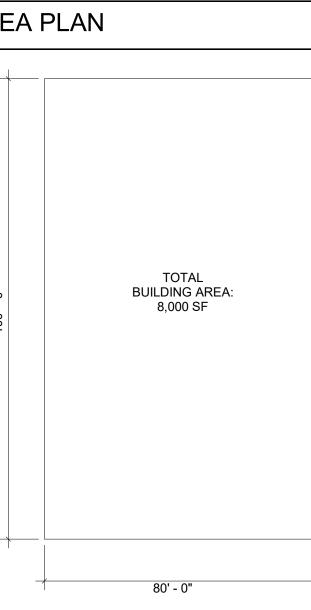
524 Main Street, Suite 2, Oregon City Oregon 97045 | 503-659-2205

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

#### **BANDON SCHOOL DISTRICT NEW BUS** BARN



	SHEET INDEX	BA 45
<section-header><text><text><text></text></text></text></section-header>	-GENERAL-         G0.00       COVER SHEET         G1.00       CODE PLAN         G2.00       TYPICAL ADA STANDARDS         G2.10       TYPICAL ADA STANDARDS         G2.10       TYPICAL ADA STANDARDS         -CIVIL-       Cover Sheet         C0.01       GENERAL CIVIL NOTES         C0.02       EROSION AND SEDIMENT CONTROL NOTES         C1.00       EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN         C2.00       CIVIL SITE, FENCING, STRIPING, AND SIGNAGE PLAN         C3.00       GRADING, DRAINAGE, AND UTILITY PLAN         C4.00       PRIVATE CIVIL DETAILS         C5.00       AGENCY STANDARD DETAILS         -ARCHITECTURAL-       A.00         A.01       ASSEMBLIES         A.020       DOOR & WINDOW SCHEDULES         A.101       ASSEMBLIES         A.202       DOOR & WINDOW SCHEDULES         A.1.01       FLORO PLAN         A.1.20       ROOF PLAN         A.1.20       ROF PLAN         A.2.10       REFLECTED CEILING PLAN         A.4.00       EXTERIOR ELEVATIONS         A.5.10       WALL SECTIONS         A.5.10       WALL SECTIONS         A.5.10       SPECIFICATIONS	BA B B B
reet Southeast Tai Street Southeast	DEFERRED SUBMITTALS ZCS SHALL PERFORM GENERAL REVIEW OF ANY DEFERRED SUBMITTAL DESIGNS PRIOR TO SUBMITTING TO THE AHJ AND PRIOR TO CONSTRUCTION IMPLEMENTATION FOR GENERAL CONFORMANCE TO THE DESIGN INTENT. DEFERRED SUBMITTAL ITEMS SHALL NOT BE SPECIALLY FABRICATED OR INSTALLED UNTIL APPROVED BY THE AHJ AND ZCS. 1. NONE	
HATCH INDICATES AREA OF WORK	AREA PLAN	





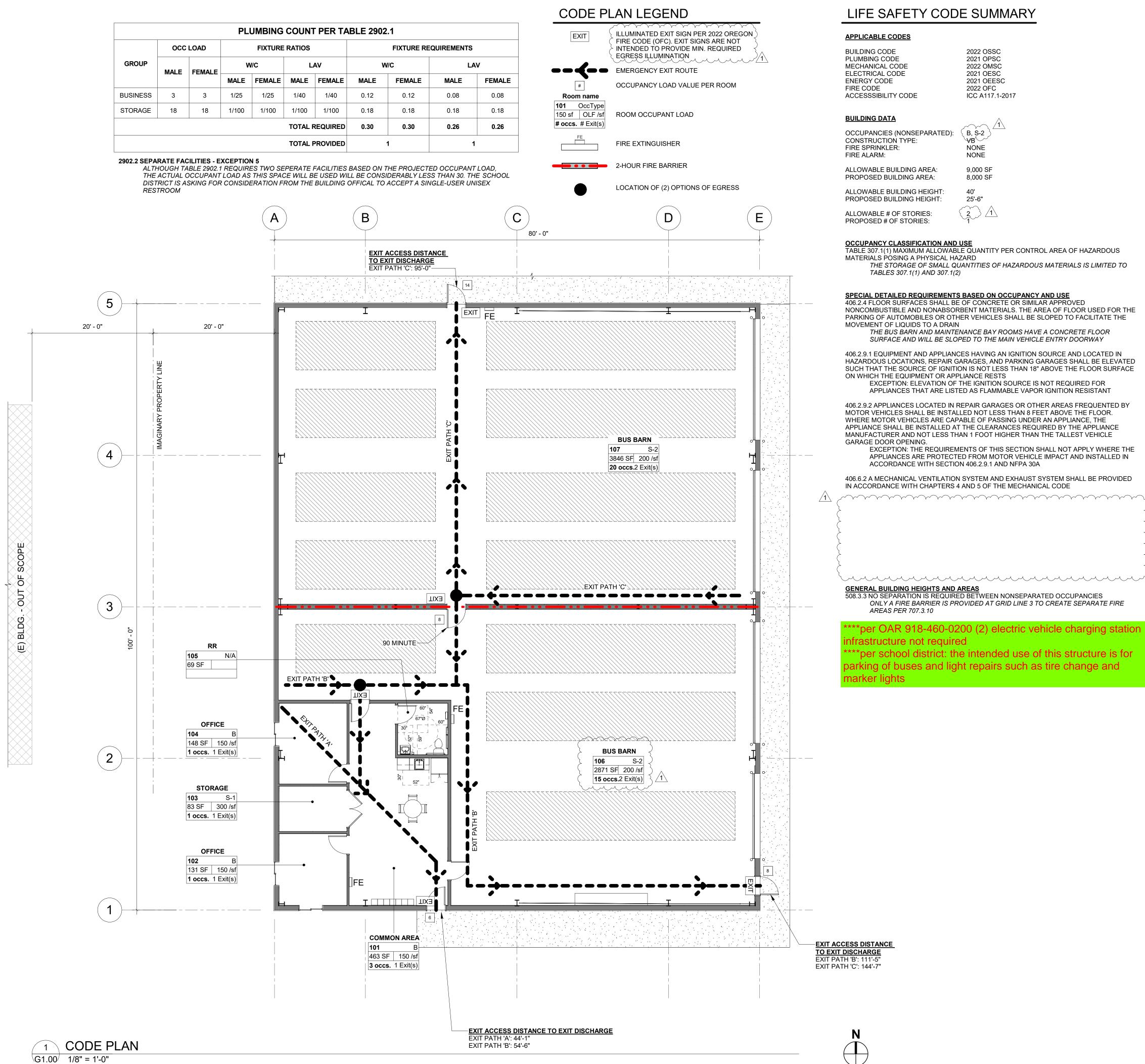
PROJECT NO.	G-1533-22	
DRAWN:	LJS	_
CHECKED:	DDS	Ш
DATE:	02-13-2024	$\overline{\mathbf{O}}$

COVER SHEET



PLUMBING COUNT PER TABLE 2902.1										
	000	LOAD	FIXTURE RATIOS			FIXTURE REQUIREMENTS				
GROUP	MALE	MALE FEMALE		W/C LAV		W/C		LAV		
			MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
BUSINESS	3	3	1/25	1/25	1/40	1/40	0.12	0.12	0.08	0.08
STORAGE	18	18	1/100	1/100	1/100	1/100	0.18	0.18	0.18	0.18
					TOTAL	REQUIRED	0.30	0.30	0.26	0.26
TOTAL PROVIDED					PROVIDED		1	1	1	

DISTRICT IS ASKING FOR CONSIDERATION FROM THE BUILDING OFFICAL TO ACCEPT A SINGLE-USER UNISEX



FIRE AND SMOKE	PROTECTION FEATURES	3		
TABLE 705.5 FIRE- SEPARATION DIST (SEPARATION	RESISTANCE RATING RE ANCE ON OF 10 <u>&lt;</u> x <30 FEET OF	QUIREMENTS FOR EXTERIOR GROUPS B AND S-2 ARE NOT SUPS B AND S-2 ARE NOT REQ	REQUIRED TO BE RATED	
HAVE A FIRE RESI	STANCE RATING OF NOT RESISTANCE RATING RE	SINGLE OCCUPANCY INTO DI LESS THAN THAT INDICATED QUIRED TO SEPERATE S-2 OC	IN TABLE 707.3.10	
ROOF ABOVE AND	RS SHALL EXTEND FROI SHALL BE SECURELY A LS IN PLAN SET FOR CO		ON TO THE UNDERSIDE O	F THE
OPENINGS SHALL THE WALL, AND TH A SINGLE S	BE LIMITED TO A MAXIM HE MAXIMUM AREA OF A 3'x7' (21 SF) RATED DOOI	BE PROTECTED IN ACCORDA JM AGGREGATE WIDTH OF 25 SINGLE OPENING SHALL NOT R IS PROPOSED IN THE FIRE B	PERCENT OF THE LENGT EXCEED 156 SF	<i>IE</i> 524 Main Street, Suite 2, 0
TABLE 716.1(2) OP 2-HOUR FI		N ASSEMBLIES, RATINGS AND VE DOORS WITH A MINIMUM F MINUTES		BANDON SCHOOL DIS
INTERIOR FINISHE TABLE 803.13 INTE		S FINISH REQUIREMENTS BY C	OCCUPANCY	455 9TH STREET SW BANDON, OR 97411
GROUP B: GROUP S:	ROOMS AND ENCLO C C	DSED SPACES		BANDON SC
CLASS C =	-			DISTRICT N BARN
903.2.10.1 COMME THE GROU	S THAT ARE LESS THAN			
907.2.10 GROUP S A FIRE ALA	ARM AND DETECTION SY	STEM IS NOT REQUIRED		
		WANCES PER OCCUPANT LOAD BREAKDOWN		SCHOOL I
TABLE 1006.2.1 MA	XIMUM COMMON PATH	OF EGRESS TRAVEL DISTANCI	Ξ:	
OCCUPANCY B	WITHOUT SPRINKLER SYSTEM 75' MAX.	LONGEST DISTANCE PROPOSED 44'-2"	CONTROLING EXIT PATH 'A'	
S *THERE AF	100' MAX. RE TWO PATHS OF TRAV	* EL TO AN EXIT AT ANY POINT	NA IN THE ROOM	
	KITS, AN EMERGENCY EL	FAILURE IN BUILDINGS THAT ECTRICAL SYSTEM SHALL AU		
1.		S FOR EXIT DOORWAYS THAT	LEAD DIRECTLY TO THE	
TABLE 1017.2 EXIT	ACCESS TRAVEL DISTA	-		
OCCUPANCY	WITHOUT SPRINKLER SYSTEM	LONGEST DISTANCE PROPOSED	CONTROLING EXIT PATH	$\langle$
B S-2	200' MAX. 300' MAX.	44'-2" 111'-5"	'A' 'B'	3
STRUCTURAL DES				}
	CATEGORY OF BUILDIN CTURE IS ASSIGNED RIS			λ

COMPLYING WITH SECTIONS 3111.4.1 THROUGH 3111.4.9 A SOLAR-READY ZONE HAS BEEN PROVIDED, SEE ROOF PLAN ON SHEET A1.20

### ENERGY CODE COMPLIANCE

BUILDING ENVELOPE REQUIREMENTS FOR CLIMATE ZONE 4C					
METAL BUILDING ROOF: ATTIC: WALL (WOOD FRAMED): WALL (METAL BUILDING): SLAB-ON-GRADE: DOORS (SWINGING): DOORS (NONSWINGING): WINDOWS (OPERABLE):	<u>CONDITIONED</u> NA R-49 MIN. R-20 MIN. U-0.060 MAX. R-15 MIN. FOR 24" U-0.370 MAX. U-0.310 MAX. U-0.45 MAX.	<u>SEMIHEATED</u> U-0.082 MAX. / R-19 MIN. NA R-13 MIN. U-0.162 MAX. / R-13 MIN. NO REQUIREMENT U-0.370 MAX. U-0.360 MAX. NO REQUIREMENT			
CONDITIONED	SEMICONDITIONED	UNCONDITIONED			
RM 101 - COMMON AREA	RM 106 - BUS BARN	RM 107 - BUS BARN			

RM 102 - OFFICE RM 103 - STORAGE RM 104 - OFFICE

RM 105 - RESTROOM

WHOLE-BUILDING PRESSURIZATION TESTING SHALL BE IN ACCORDANCE WITH ASTM E779 OR ASTM E1827 BY AN INDEPENDENT THIRD PARTY. THE MEASURED AIR LEAKAGE RATE OF THE BUILDING ENVELOPE SHALL NOT EXCEED 0.40 CFM/FT<sup>2</sup> UNDER A PRESSURE DIFFERENTIAL OF 0.3" OF WATER, WITH THIS AIR LEAKAGE RATE NORMALIZED BY THE SUM OF THE ABOVE-GRADE BUILDING ENVELOPE AREAS OF THE CONDITIONED SPACE AND SEMIHEATED SPACE

THE FOLLOWING AREAS OF THE CONTINUOUS AIR BARRIER IN THE BUILDING ENVELOPE SHALL BE WRAPPED, SEALED, CAULKED, GASKETED, OR TAPED IN AN APPROVED MANNER TO MINIMIZE AIR LEAKAGE:

- JOINTS AROUND FENESTRATION AND DOOR FRAMES. JUNCTIONS BETWEEN WALLS AND FLOORS, BETWEEN WALLS AT BUILDING
- CORNERS, AND BETWEEN WALLS AND ROOFS. PENETRATIONS THROUGH THE CONTINUOUS AIR BARRIER IN BUILDING
- ENVELOPE ROOFS, WALLS, AND FLOORS. BUILDING ASSEMBLIES USED AS DUCTS OR PLENUMS.
- JOINTS, SEAMS, CONNECTIONS BETWEEN PLANES, AND OTHER CHANGES IN CONTINUOUS AIR BARRIER MATERIALS.

ASHRAE STANDARD 90.1-2019 5.4.3.3(7) VESTIBULES ARE NOT REQUIRED IN CLIMATE ZONE 4 WHERE THE BUILDING IS LESS THAN 1,000 SF IN GROSS CONDITIONED FLOOR AREA.'

THE GROSS CONDITIONED FLOOR AREA IS 894 SF



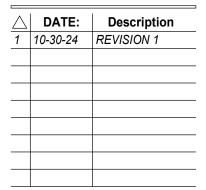
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RICT #54

HOOL EW BUS



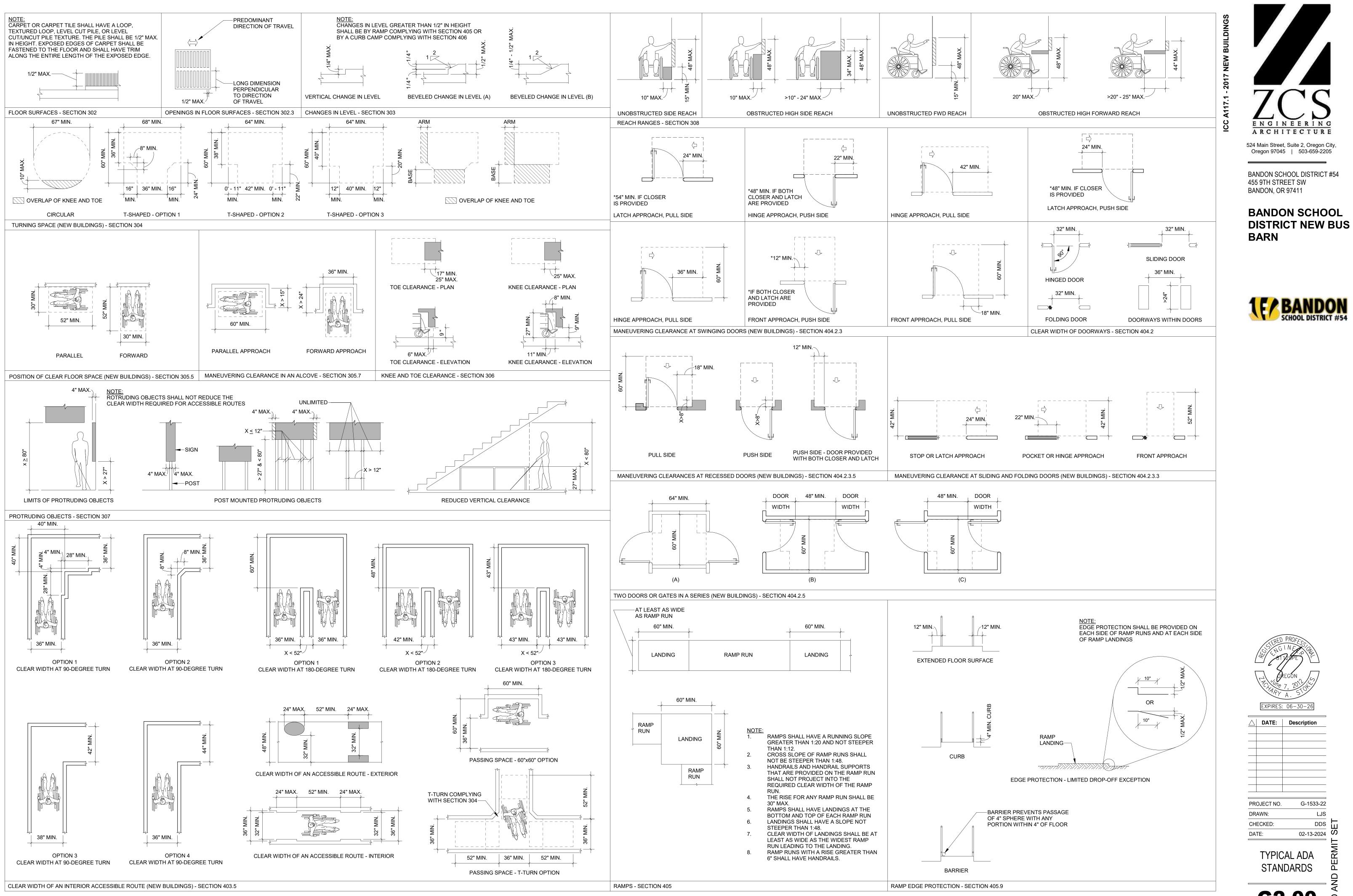
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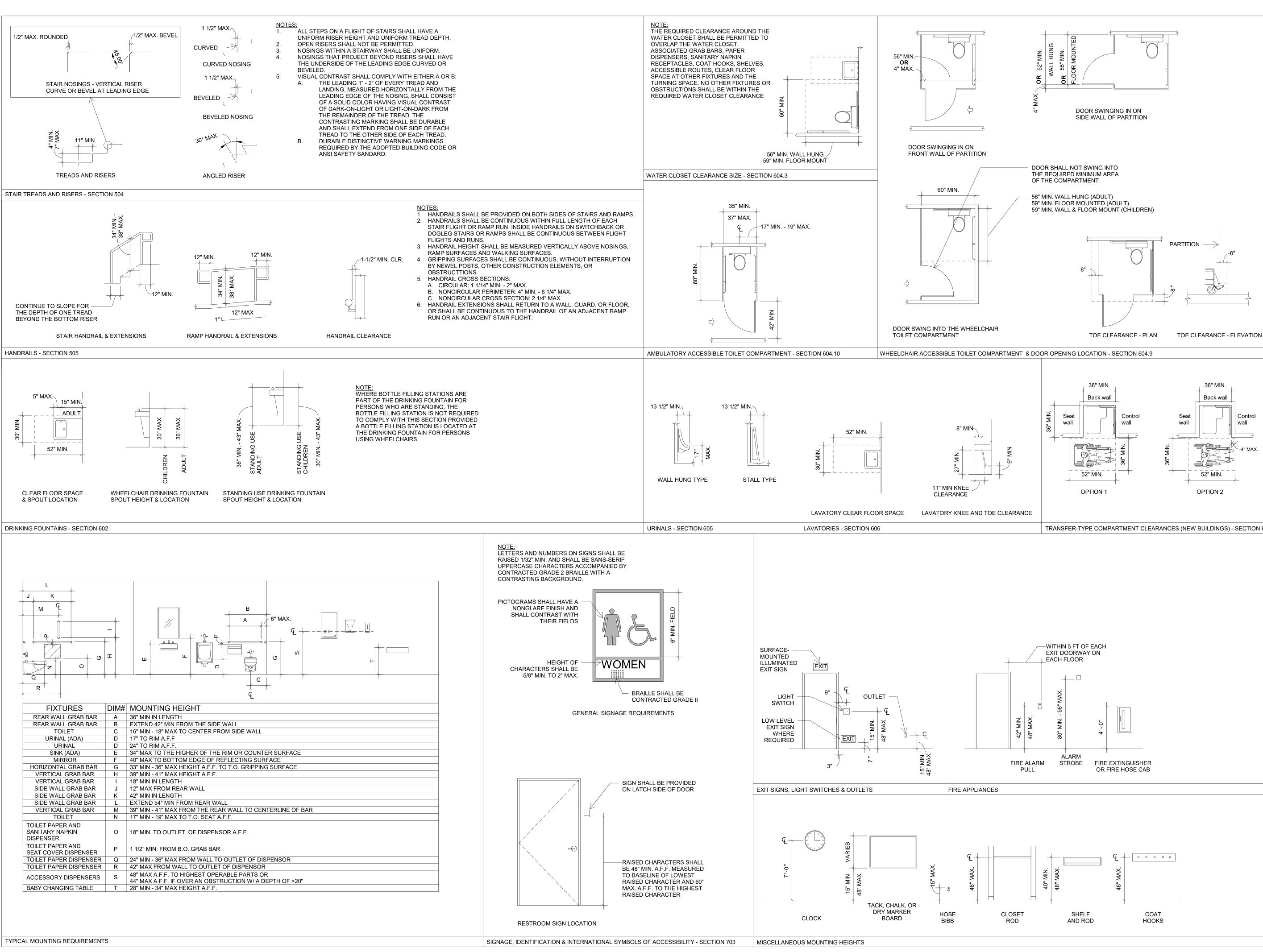
G-1533-22 PROJECT NO. DRAWN: LJS CHECKED: DDS II <sub>02-13-2024</sub> ග DATE:

CODE PLAN





**G2.00** 



TRANSFER-TYPE COMPARTMENT CLEARANCES (NEW BUILDINGS) - SECTION 608



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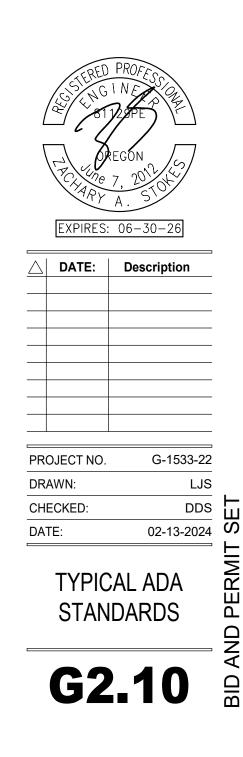
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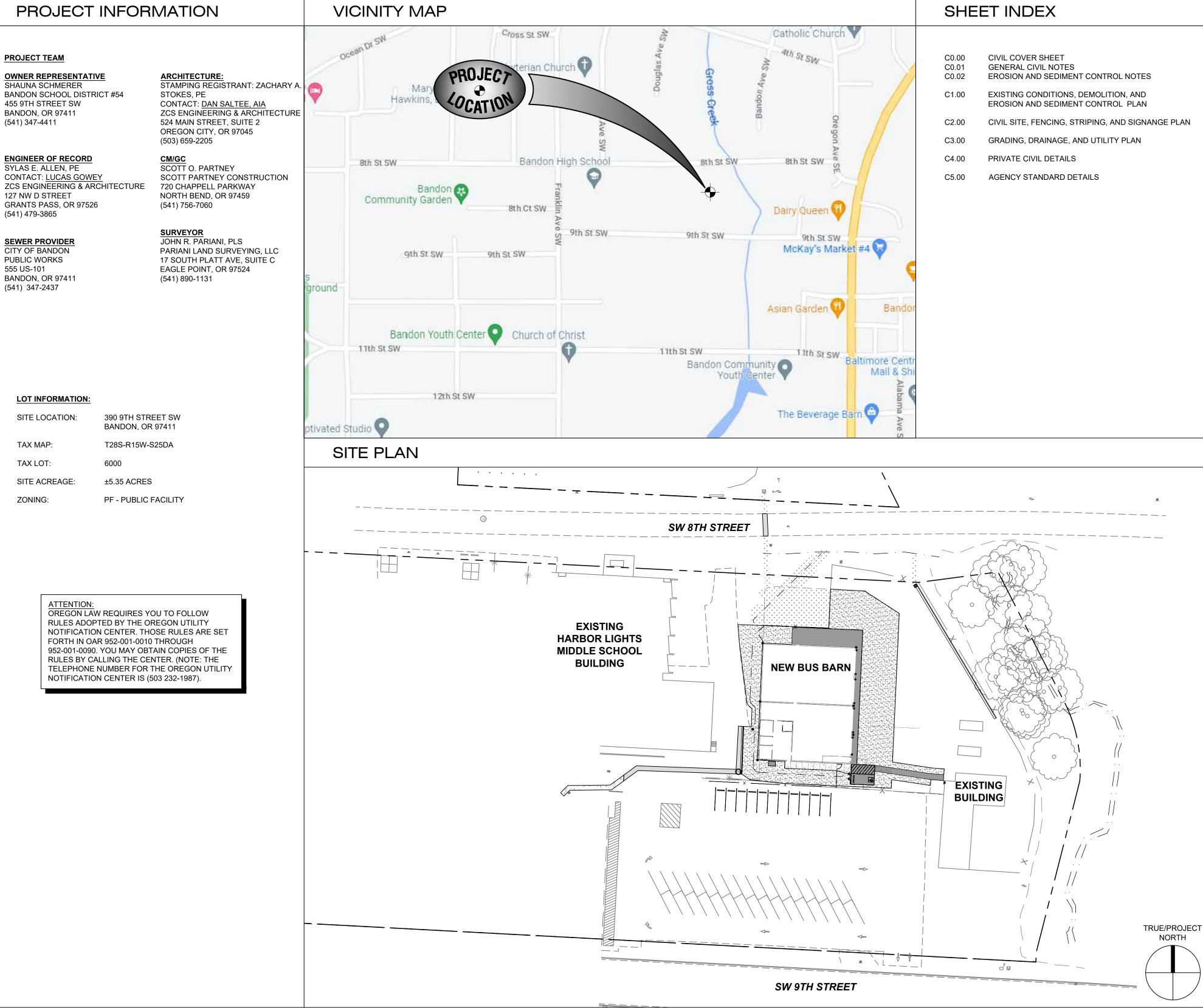
**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411





# BANDON SCHOOL DISTRICT NEW BUS BARN BANDON, OR 97411

#### **CIVIL LEGEND** ABBREVIATIONS HATCHES & LINE TYPES: AMERICAN PUBLIC WORKS ASSOCIATION APWA NEW CONCRETE PAVING - UN-REINFORCED AMERICAN STANDARD TEST METHOD ASTM NEW CONCRETE PAVING - REINFORCED AMERICAN WATER WORKS ASSOCIATION AWWA NEW GRAVEL PAVING AC ASPHALT NEW RIP RAP BOSW BACK OF SIDEWALK EXISTING DRAINAGE SWALE BACK WATER VALVE \_\_\_\_\_ · \_\_\_ · \_\_\_ · BWV **EXISTING WATER - POTABLE** BEST MANAGEMENT PRACTICE BMP NEW WATER - POTABLE BOTTOM OF STAIR BOS **NEW POWER - BURIED** \_\_\_\_\_ BOW BOTTOM OF WALL EXISTING FENCING CB CATCH BASIN NEW FENCING \_\_\_\_ X \_\_\_\_\_ CO CLEANOUT RISER **NEW SANITARY SEWER - GRAVITY** CONC CONCRETE **NEW SANITARY SEWER - FORCE MAIN** DEPARTMENT OF ENVIRONMENTAL QUALITY DEQ SD 🗾 NEW STORM SEWER DWG DRAWING DIP DUCTILE IRON PIPE (EC) ECCENTRIC CONE MANHOLE ENVIRONMENTAL PROTECTION AGENCY EPA SYMBOLS (NEW): ESC EROSION AND SEDIMENT CONTROL 100.00 ac GRADE SPOT ELEVATION (E) EXISTING 2.0% GRADING SLOPE EG EXISTING GRADE CLEANOUT TO GRADE FINISHED FLOOR ELEVATION FFE PS SANITARY SEWER LIFT STATION/PUMP FG FINISHED GRADE CATCH BASIN $\square$ FIRE DEPARTMENT CONNECTION FDC BOLLARD 0 FL FLOW LINE GC GENERAL CONTRACTOR GB GRADE BREAK GRVL GRAVEL GRD GROUND SYMBOLS (EXISTING): HIGH-DENSITY POLYETHYLENE HDPE (e) ac (e) ac GRADE SPOT ELEVATION HOT MIX ASPHALT CONCRETE HMAC SANITARY SEWER MANHOLE (S) IE INVERT ELEVATION SANITARY SEWER CLEANOUT LF LINEAL FEET (D)STORM DRAIN MANHOLE MUTCD MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CATCH BASIN $\bowtie$ MAX MAXIMUM WATER METER MIN MINIMUM WATER VALVE (N) NEW FIRE HYDRANT NAVD NORTH AMERICAN VERTICAL DATUM $\square$ POWER TRANSFORMER ODOT OREGON DEPARTMENT OF TRANSPORTATION POWER METER POSSC OREGON STRUCTURAL SPECIALTY CODE XX SITE LIGHT PPNL PACIFIC POWER CORP PG PERFORMANCE GRADE PVC POLYVINYL CHLORIDE PROPOSED (P) ROW **RIGHT-OF-WAY** SSCO SANITARY SEWER CLEANOUT SW SIDEWALK TOC TIME OF CONSTRUCTION TBC TOP OF BACK OF CURB TFC TOP OF FACE OF CURB TOS TOP OF STAIR TOW TOP OF WALL TYP TYPICAL UPC UNIFORM PLUMBING CODE



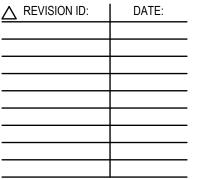


127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3865

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

# **BANDON SCHOOL DISTRICT NEW BUS** BARN SCHOOL DISTRICT #54 CIVIL SITE, FENCING, STRIPING, AND SIGNANGE PLAN





<b></b>	
PROJECT NO:	G-1533-22
DRAWN:	KAK
CHECKED:	LGG
DATE:	02-13-24



#### **EROSION CONTROL NOTE:**

DRAWING C1.00 CONTAINS AN EROSION AND SEDIMENT CONTROL PLAN THAT MUST BE IMPLEMENTED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE INFORMATION CONTAINED WITHIN THE REFERENCED DRAWING SHALL BE CONSIDERED A MINIMUM AND SHALL BE MODIFIED AS REQUIRED BY THE CONTRACTOR AND CITY INSPECTOR, TO CONTAIN ALL SEDIMENT ON SITE. SPECIAL ATTENTION SHALL BE TAKEN AT ALL EXISTING STORM DRAIN CATCH BASINS AND STORM DRAIN CHANNELS AS TO ELIMINATE ANY SEDIMENT TRANSFER INTO THE EXISTING STORM DRAIN SYSTEM.

AN ALL WEATHER ROCK SURFACE SHALL BE PROVIDED AT ALL CONSTRUCTION SITE ENTRANCES. CONTRACTOR MAY ELECT TO USE EXISTING GRAVEL PAVING, AC PAVING, ETC. (IF ACCEPTABLE TO CITY INSPECTOR). ALL CONSTRUCTION SHALL BE MAINTAINED WITHIN THE DEVELOPMENT LIMITS OF THIS PHASE. REFER TO DRAWING C1.00 FOR ADDITIONAL INFORMATION.

#### UTILITY STATEMENT:

EXISTING UNDERGROUND UTILITIES ILLUSTRATED IN THESE PLANS ARE APPROXIMATED BASED ON MAPS OBTAINED FROM THE CITY OF BANDON PUBLIC WORKS FILES, OR HAVE BEEN LOCATED BY A UTILITY LOCATE COMPANY. LAYOUT INDICATED IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. ALL LINES WITHIN PROJECTED WORK ZONE SHALL BE FIELD VERIFIED AS REQUIRED PRIOR TO CONSTRUCTION.

#### **RESTORATION STATEMENT**

CONTRACTOR SHALL RESTORE BACK TO ORIGINAL CONDITION. PRIOR TO CONTRACT COMPLETION, ALL DISTURBED SURFACES IMPACTED DURING CONSTRUCTION. THIS INCLUDES, BUT IS NOT LIMITED TO, CONSTRUCTION ACCESS, SIDEWALKS, CURBS, ASPHALT, LAWN AND LANDSCAPE AREAS, ETC. DISTURBED AREAS TO BE GRADED SMOOTH AND ADEQUATELY SLOPED TO DRAIN. AREA SHALL BE CLEAN AND FINISH GRADED BEFORE FINAL DEMOBILIZATION. COORDINATE WITH ENGINEER AND OWNER AT THE TIME OF PROJECT CONSTRUCTION COMPLETION.

#### **GENERAL CIVIL NOTES:**

- 1. ALL WORK AND MATERIALS SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, CURRENT OREGON PLUMBING SPECIALTY CODE, AND ALL APPLICABLE STATE, CITY, AND COUNTY REGULATIONS AND STANDARDS. CONTACT ENGINEER FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS.
- 2. ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE COORDINATED WITH THE GOVERNING AGENCY'S INSPECTOR AND SHALL CONFORM TO THAT AGENCY'S CURRENT ENGINEERING STANDARD SPECIFICATIONS AND DETAILS.
- 3. THE GENERAL CONTRACTOR AND ALL THEIR AFFILIATES SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND LOCATIONS PRIOR TO CONSTRUCTION. IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 4. ALL CONSTRUCTION STAKING, GRADE SURVEYING, AND HORIZONTAL LAYOUT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF OREGON; COORDINATE WITH ENGINEER PRIOR TO CONSTRUCTION.
- 5. ALL EXISTING UTILITIES IDENTIFIED IN THIS PLAN SET ARE NOT INTENDED TO BE EXACT OR COMPLETE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY ALL UTILITIES AND PROTECT AS REQUIRED DURING THE COURSE OF CONSTRUCTION. CALL THE "OREGON UTILITY NOTIFICATION CENTER" AT 1-800-332-2344 TO LOCATE EXISTING UTILITIES, 48 HOURS BEFORE DIGGING.
- 6. CONTRACTOR SHALL NOTIFY ALL APPLICABLE REGULATORY AGENCIES AND UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING WORK.
- 7. ALL EXCAVATION, TRENCH BACK FILL, PARKING LOT/ROAD SUB-GRADE, FLAT WORK SUB-GRADE, COMPACTION REQUIREMENTS, ETC, SHALL BE AS NOTED IN THE SITE PREPARATION NOTES AND/OR THE PROJECT GEOTECHNICAL REPORT.
- 8. ALL BASE ROCK PLACED UNDER PAVEMENT AND IN UTILITY TRENCHES SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 9. ALL ASPHALT CONCRETE AND PORTLAND CEMENT CONCRETE PAVEMENT AND ITS PLACEMENT SHALL CONFORM TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 10. ALL SITE CONCRETE SHALL BE f'c = 3,500 psi @ 28 DAYS, 6% ENTRAINED AIR, 4" SLUMP (UNLESS NOTED OTHERWISE).
- 11. ALL UTILITY SERVICES SHALL BE INSTALLED PER THE RESPECTIVE UTILITY CODES AND STANDARDS.
- 12. ALL UTILITIES SHALL HAVE A MINIMUM COVER AS IDENTIFIED IN THE PLAN SET OR AS OTHERWISE SPECIFIED BY THE RESPECTIVE UTILITY COMPANY.
- 13. ALL SERVICES SHALL BE ADEQUATELY MARKED AS TO IDENTIFY THE SIZE, TYPE, AND DEPTH OF THE SERVICE. CONTRACTOR TO PROVIDE LOCATE WIRE/TAPE AS REQUIRED BY THE APPLICABLE AGENCIES.
- 14. ALL UNDERGROUND UTILITIES AND SERVICE LATERALS SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS AND GUTTERS. CONTRACTOR SHALL STAMP CURBS OR SIDEWALKS (AS APPLICABLE) TO MARK THE LOCATIONS OF ALL SERVICE LINES (S - SANITARY, W -WATER, D - STORM DRAIN, G - GAS).
- 15. ALL SERVICES AND SLEEVES SHALL BE PLUGGED AS REQUIRED TO ENSURE THAT NO FOREIGN MATERIALS ENTER THE LINE.
- 16. GAS, POWER, TELEPHONE, CABLE, AND FIBER OPTIC LINES SHALL BE INSTALLED BASED ON THE PLANS AND SPECIFICATIONS PROVIDED BY THE APPLICABLE UTILITY COMPANIES. APPROXIMATE UTILITY LOCATIONS HAVE BEEN PROVIDED ON THIS PLAN SET AS A REFERENCE. CONTRACTOR SHALL COORDINATE TRENCH EXCAVATIONS. CONDUI INSTALLATIONS, BEDDING, BACKFILLING, AND INSPECTION REQUIREMENTS WITH THE APPROPRIATE UTILITY REPRESENTATIVES.
- 17. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH AN AS-BUILT DRAWING OF ALL UTILITY SERVICE INSTALLATIONS INCLUDING THE SERVICE SIZE, TYPE, DEPTH OF MAIN, TYPE OF CONNECTION AT MAIN, INSTALLATION DATE, LOCATION, AND SKETCH (AS APPLICABLE).
- 18. CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES. COORDINATE WITH THE ENGINEER PRIOR TO CONSTRUCTION TO IDENTIFY PERMIT REQUIREMENTS.
- 19. ALL ON-SITE DOMESTIC WATER LINES SHALL BE SCHEDULE 40 PVC WATER PIPE CONFORMING TO ASTM D 1785 WITH SOLVENT-CEMENTED JOINTS. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING **REQUIREMENTS WITHIN 5' OF STRUCTURES.**
- 20. ALL GRAVITY SANITARY SEWER WASTE LINES SHOWN OUTSIDE THE BUILDING FOOTPRINT SHALL BE PVC SEWER PIPE CONFORMING TO ASTM D 3034 - SDR 35 WITH GASKET JOINTS. ALL PRESSURE SANITARY SEWER WASTE LINES SHOWN OUTSIDE THE BUILDING FOOTPRINT SHALL BE SCHEDULE 40 PRESSURE-RATED PVC SEWER PIPE CONFORMING TO ASTM D-1785. REFER TO MECHANICAL/PLUMBING PLANS FOR ALL PIPING REQUIREMENTS WITHIN 5' OF STRUCTURES.
- 21. SANITARY LINES SHALL BE REQUIRED TO PASS A LOW PRESSURE AIR TEST OR WATER TEST CONFORMING TO THE 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND UNIFORM PLUMBING CODE SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE. ALL PARTS OF THE SYSTEM SHALL BE CLEANED PRIOR TO TESTING AND FINAL ACCEPTANCE. THE CONTRACTOR SHALL NOT ALLOW ANY FOREIGN MATERIAL TO ENTER THE EXISTING SYSTEM. THE CONTRACTOR SHALL PROVIDE THE REQUIRED PERSONNEL AND MATERIALS TO PERFORM THE ABOVE TESTS. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH DOCUMENTATION OF THE TEST RESULTS FOR APPROVAL.
- 22. EXISTING SEWER SERVICES MUST BE TV INSPECTED AND APPROVED BY THE APPLICABLE AGENCY PRIOR TO THEIR REUSE. IF DEFICIENCIES IN THE SERVICE LINES/CONNECTIONS ARE DISCOVERED DURING THE INSPECTION, THEY MUST BE CORRECTED BASED ON THE APPLICABLE AGENCY STANDARDS.
- 23. STORM COLLECTION SYSTEM IS DESIGNED FOR WATER TIGHT COMPONENTS.
- 24. ALL STORM PIPE IDENTIFIED AS 'PVC' SHALL BE ASTM D 3034 SDR 35. ALL STORM PIPE IDENTIFIED AS 'HDPE' SHALL BE ADVANCED DRAINAGE SYSTEMS 'N-12 WT IB'. ALL STORM PIPE IDENTIFIED AS 'CMP' SHALL BE 12 GUAGE GALVANIZED CORRUGATED METAL. SEE PLAN SET FOR ADDITIONAL INFORMATION.
- 25. ALL STORM COLLECTION SYSTEM CONNECTIONS AND COMPONENTS SHALL CONFORM TO PIPE MANUFACTURER REQUIREMENTS. CONTRACTOR TO COORDINATE FINAL STORM SYSTEM LAYOUT WITH ENGINEER AND STORM SYSTEM SUPPLIER PRIOR AT TIME OF CONSTRUCTION. STORM SYSTEM COMPONENT SHOP DRAWINGS SHALL BE PROVIDED FOR ENGINEER'S REVIEW PRIOR TO CONSTRUCTION.
- 26. ALL CATCH BASINS SHALL BE AS IDENTIFIED ON PLAN SET. ALL STORM SYSTEM CATCH BASINS SHALL BE PROVIDED WITH A MINIMUM 24" SETTLEMENT SUMP BELOW THE LOWEST PIPE INVERT (UNLESS NOTED OTHERWISE) AND A POLLUTION CONTROL HOOD AND TRAP SYSTEM. REFER TO PLAN SET FOR ADDITIONAL INFORMATION.

#### **GENERAL CIVIL NOTES (CONTINUED):**

- 27. CONTRACTOR SHALL PROVIDE ENGINEER WITH SHOP DRAWING SUBMITTALS ON ALL PERMANENTLY INSTALLED MANUFACTURED ITEMS.
- 28. ALL UNDERGROUND PIPING, CONDUIT AND OTHER UTILITIES SHALL BE INSTALLED PER ZCS DETAIL CALLOUT (OR AS OTHERWISE SPECIFIED BY PIPE MANUFACTURER). NOTIFY ENGINEER IN EVENT OF DISCREPANCIES.
- 29. ALL TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC SHALL BE BY THE CONTRACTOR AND CONFORM WITH BOTH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE ODOT MANUAL ON SHORT TERM TRAFFIC CONTROL (AS APPLICABLE).
- 30. PREPARATION OF ALL LANDSCAPED AREAS SHALL BE AS NOTED ON THE PLANS. THE ENGINEER SHALL INSPECT ALL LANDSCAPE PLANTER GRADES PRIOR TO RECEIVING FINAL SURFACE TREATMENT.
- 31. HOLD SUB-GRADE ELEVATIONS DOWN 6" WITHIN LANDSCAPE AREAS RECEIVING GROUND COVER AND/OR LAWN. REFER TO PLANS FOR ADDITIONAL INFORMATION PERTAINING TO TOP SOIL REQUIREMENTS.
- 32. ALL PAINTED MARKINGS SHALL BE INSTALLED WITH FAST DRYING TRAFFIC LINE PAINT APPLIED IN TWO SEPARATE APPLICATIONS PER THE OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 33. SAND SEAL AND TACK ALL CUT ASPHALT EDGES WHEN PLACING NEW ASPHALT ADJACENT TO EXISTING ASPHALT.
- 34. SEE PLAN SET FOR ADDITIONAL INFORMATION.

### SITE PREPARATION NOTES:

- **CLEARING AND GRUBBING -**1. REFER TO STRUCTURAL (FOUNDATION) PLANS FOR SPECIFIC SOIL EXCAVATION AND BACKFILL REQUIREMENTS WITHIN BUILDING FOOTPRINT.
- 2. ALL AREAS BELOW ROADWAYS, PARKING AREAS, AND WALKWAYS SHALL BE CLEARED AND GRUBBED OF ALL PAVEMENT, FOREIGN MATTER, DEBRIS, ORGANIC AND DISTURBED MATERIAL, (U.N.O.) STRIPPING DEPTHS WILL VARY DEPENDING ON LOCATION AND PAVEMENT SECTION REQUIREMENTS. ALL EXPOSED MATERIAL SHALL BE MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM PRIOR TO PLACEMENT OF FILL MATERIAL DESCRIBED BELOW.
- 3. ALL CLEARED AND GRUBBED MATERIAL NOT UTILIZED FOR THE PROJECT SHALL BE REMOVED FROM THE CONSTRUCTION SITE. CONTRACTOR SHALL COORDINATE APPROVED DISPOSAL LOCATION.
- 4. ALL AREAS WITH ABANDONED UTILITY LINES, STORM DRAINS, UNDERGROUND TANKS, ETC. WHICH PROVIDE VOID SPACE BENEATH THE SURFACE SHALL BE LOCATED AND REMOVED PRIOR TO GRADING ACTIVITIES.
- 5. ALL HOLES, DEPRESSIONS, AND UNDISTURBED NATIVE MATERIAL SHALL BE CLEARED OF ALL LOOSE AND ORGANIC MATERIAL PRIOR TO BACKFILLING WITH APPROVED STRUCTURAL FILL.
- 6. AFTER CLEARING THE ABOVE MENTIONED AREAS, ALL EXPOSED SUB-GRADE SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK OR HEAVY NON-VIBRATORY ROLLER. SOILS SHALL BE REMOVED AND RECOMPACTED OR REPLACED WITH APPROVED IMPORTED STRUCTURAL FILL IF THEY DO NOT DEMONSTRATE A FIRM, UNYIELDING CONDITION. CIVIL ENGINEER OF RECORD SHALL APPROVE SUB-GRADE SURFACE PRIOR TO STRUCTURAL FILL IMPORT EXPLAINED BELOW.
- STRUCTURAL FILL PLACEMENT AND COMPACTION 7. APPROVED STRUCTURAL FILL SHALL BE IMPORTED AND PLACED BENEATH AREAS RECEIVING ASPHALT AND/OR CONCRETE PAVEMENT.
- 8. ALL VEHICULAR TRAFFIC AREAS RECEIVING ASPHALT AND/OR CONCRETE SHALL BE PROVIDED WITH AN APPROVED WOVEN GEOTEXTILE FABRIC APPLIED DIRECTLY OVER THE SUB-GRADE DESCRIBED ABOVE. SEE PLAN SET FOR ADDITIONAL DETAILS.
- 9. STRUCTURAL FILL MATERIALS SHALL BE APPROVED BY THE CIVIL ENGINEER OF RECORD PRIOR TO IMPORTING. ALL FILL SHALL BE FREE OF ORGANIC AND EXPANSIVE CLAY MATERIAL. ALL BASE ROCK SHALL CONFORM TO THE SPECIFICATIONS IDENTIFIED IN THE PLAN SET.
- 10. STRUCTURAL FILL PLACEMENT LIFTS TO BE DETERMINED BY THE CIVIL ENGINEER OF RECORD BASED ON MATERIAL PROPERTIES AND TYPE OF COMPACTION EQUIPMENT USED. BASE ROCK PLACEMENT LIFTS SHALL NOT EXCEED 8". EACH LIFT SHALL BE NEARLY EQUAL IN THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF ASTM D698. FILLS SHALL BE PLACED AT OR SLIGHTLY ABOVE THEIR OPTIMUM MOISTURE CONTENT.

#### SPECIAL CONCRETE NOTES:

THE FOLLOWING NOTES APPLY TO ALL PROJECT CONCRETE. CERTAIN NOTES MAY NOT BE APPLICABLE. CONTACT THE ENGINEER OF RECORD FOR CLARIFICATION AS REQUIRED:

- 1. ALL FLATWORK CONCRETE TO BE F'C = 3,500 PSI UNLESS NOTED OTHERWISE. ALL RETAINING WALL CONCRETE TO BE F'C = 4,000 PSI UNLESS NOTED OTHERWISE. PROVIDE STANDARD CONCRETE TESTING PUCKS FROM CONCRETE SUPPLIER.
- 2. ALL CONCRETE TO HAVE 6% (±1%) AIR ENTRAINMENT
- 3. PERFORM WORK IN ACCORDANCE WITH ACI 301 AND ACI 318. FOLLOW RECOMMENDATIONS OF ACI 305R WHEN CONCRETING DURING HOT WEATHER AND ACI 306R WHEN CONCRETING DURING COLD WEATHER. PLACE CONCRETE IN ACCORDANCE WITH ACI 304R. ENSURE REINFORCEMENT, INSERTS, EMBEDDED PARTS, FORMED JOINTS ARE NOT DISTURBED DURING CONCRETE PLACEMENT. PLACE CONCRETE CONTINUOUSLY OVER THE FULL WIDTH OF THE PANEL AND BETWEEN PREDETERMINED CONSTRUCTION JOINTS
- 4. ALL CONCRETE SHALL BE PLACED OVER 4" MINIMUM LAYER (UNLESS NOTED OTHERWISE) OF APPROVED 3/4" MINUS ODOT SPEC CRUSHED ROCK COMPACTED TO 95% AASHTO T-99 OVER APPROVED COMPACTED (ASTM D698) STRUCTURAL FILL AS REQUIRED FOR GRADE OVER FIRM, UNDISTURBED, NON-ORGANIC NATIVE MATERIAL. THE EXISTING SITE SHALL BE CLEARED AND GRUBBED OF ALL ORGANIC AND/OR EXPANSIVE MATERIAL PRIOR TO STRUCTURAL FILL IMPORT
- 5. ALL BACKFILL SHALL BE NON-ORGANIC, NON-EXPANSIVE GRANULAR MATERIAL COMPACTED TO 95% PROCTOR
- 6. REINFORCING STEEL SHALL CONFORM TO ASTM A 615/A 615M GRADE 60 (420); DEFORMED BILLET STEEL BARS; UNFINISHED FINISH. STEEL WELDED WIRE REINFORCEMENT SHALL BE PLAIN TYPE, ASTM A 185/A 185M; IN FLAT SHEETS; UNFINISHED. DOWELS SHALL CONFORM TO ASTM A 615/A 615M GRADE 40 (280); DEFORMED BILLET STEEL BARS; UNFINISHED FINISH. ALL TIE WIRE SHALL BE A MINIMUM OF #16 ANNEALED STEEL.
- 7. PLACE AND SECURE FORMS TO CORRECT LOCATION, DIMENSION, PROFILE, AND GRADIENT. ASSEMBLE FORMWORK TO PERMIT EASY STRIPPING AND DISMANTLING WITHOUT DAMAGING CONCRETE. PLACE JOINT FILLER VERTICAL IN POSITION, IN STRAIGHT LINES. SECURE TO FORMWORK DURING CONCRETE PLACEMENT. HOLD TOP OF PRE-MOLDED JOINT FILLER DOWN 1/2" AND SEAL UPPER 3/8" WITH APPROVED JOINT SEAL MATERIAL.
- 8. RETAINING WALLS TO BE AT MINIMUM 80% DESIGN STRENGTH AND 7 DAYS CURE PRIOR TO ANY BACKFILL PLACEMENT.
- 9. NO HORIZONTAL CONSTRUCTION JOINTS PERMITTED
- 10. MAXIMUM VARIATION OF SURFACE FLATNESS SHALL NOT EXCEED 1/4 INCH IN 10 FT AND MAXIMUM VARIATION FROM TRUE POSITION SHALL NOT EXCEED 1/4 INCH
- 11. IMMEDIATELY AFTER PLACEMENT, PROTECT PAVEMENT FROM PREMATURE DRYING, EXCESSIVE HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY. DO NOT PERMIT PEDESTRIAN TRAFFIC OVER PAVEMENT FOR 7 DAYS MINIMUM AFTER FINISHING.
- 12. FINISH AS FOLLOWS:
- A. SIDEWALK PAVING: LIGHT BROOM, TEXTURE PERPENDICULAR TO DIRECTION OF TRAVEL WITH TROWELED AND RADIUSED EDGE 1/2 INCH RADIUS
- B. CURBS AND GUTTERS: LIGHT BROOM, TEXTURE PARALLEL TO DIRECTION OF FLOW
- C. RETAINING WALLS: SMOOTH RUBBED FINISH. WET CONCRETE AND RUB WITH CARBORUNDUM BRICK OR OTHER ABRASIVE, NOT MORE THAN 24 HOURS AFTER FORM REMOVAL. REPAIR/PLUG SURFACE DEFECTS, INCLUDING TIE HOLES, IMMEDIATELY AFTER REMOVING FORM WORK.
- D. PLACE CURING COMPOUND ON EXPOSED CONCRETE SURFACES IMMEDIATELY AFTER FINISHING. APPLY IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- LANDSCAPE NOTES:
- GRASS SEED MIX TO BE USED, 'PRO-TIME #301 WATER SMARTER TALL FESCUE BLEND' (OR APPROVED EQUAL). INSTALL PER MANUFACTURER RECOMMENDATIONS. CONTACT PRO-TIME AT (503) 239-7518 FOR ALL INFORMATION. APPLICATION RATE OF 8 POUNDS PER 1000 SQUARE FEET UNLESS OTHERWISE NOTED.
- 2. DO NOT PERFORM WORK WHEN SOIL IS SATURATED. IF SOIL IS EXTREMELY DRY, WATER FOR AN HOUR THE DAY PRIOR TO COMMENCING WORK. DO NOT PERFORM WORK WHEN TEMPERATURES ARE OVER 90 DEGREES OR UNDER 60 DEGREES (DAYTIME).
- 3. WHERE SOD HAS BEEN COMPLETELY REMOVED TO FACILITATE NEW IMPROVEMENTS, FILL IN WITH TOPSOIL LEVEL WITH ADJACENT CONDITION AND TAMP DOWN LIGHTLY.
- 4. WHERE SOD HAS NOT BEEN REMOVED, BUT IS BARE OR COMPACTED, RAKE OUT THATCH AND SCARIFY TO 1" DEPTH WITH A LAWN SCARIFIER OR HARD RAKE.
- 5. AT BARE AREAS, INCORPORATE 1" OF COMPOST INTO TOP 2" OF TOP SOIL AND TAMP LIGHTLY. WHERE TURF ALREADY EXISTS, APPLY 1" OF COMPOST ON TOP OF IT AND TAMP LIGHTLY.
- 6. DISTRIBUTE SEED WITH A BROADCAST SPREADER FOR ANY AREAS OVER 10 SQUARE FEET. DISTRIBUTE SEED BY HAND FOR SMALLER AREAS. SEE GRASS SEED MIX NOTE FOR APPLICATION RATE.
- 7. AFTER BROADCASTING SEED, APPLY 1/8" OF GRASS STRAW MULCH (OR APPROVED EQUAL), AVAILABLE AT PRO-TIME (503) 239-7518. APPLY BY HAND OR WITH A MESH SPREADER FOR LARGER AREAS.
- 8. CORDON OFF THE NEWLY SEEDED AREA WITH 18" STAKES AND STRING FOR AT LEAST 30 DAYS.
- 9. HAND WATER TO KEEP THE AREA MOIST BUT WITHOUT PUDDLES UNTIL THE NEW TURF IS ESTABLISHED. DO NOT ENTER THE CORDONED OFF AREA, WATER FROM OUTSIDE THE STRING LINE. WATER ACCORDING TO THE FOLLOWING SCHEDULE:
- FOR THE FIRST 2 WEEKS: WATER 5-10 MINUTES BOTH MORNING AND EVENING, IF IT IS HOT WEATHER/FULL SUN. WATER ONCE A DAY IF WEATHER IS COOL AND/OR LOCATION IS SHADY.
- FOR THE NEXT 3 MONTHS: WATER EVERY 1-2 DAYS IF WEATHER IS HOT, EVERY THIRD DAY IF WEATHER IS COOL. AVOID OVERWATERING OR WATERING TOO FAST AS THE SEED WILL DRIFT, CLUMP, AND LEAVE BARE SPOTS.
- 10. ONCE ROOTS HAVE BEEN ESTABLISHED (±1 MONTH), FERTILIZE WITH A SLOW RELEASE ORGANIC TURF FERTILIZER PER MANUFACTURER SPECIFICATIONS.
- 11. DO NOT REMOVE CORDON FENCE OR MOW GRASS UNTIL GRASS BLADES ARE 3-4" TALL.



127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3865

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

#### BANDON SCHOOL DISTRICT NEW BUS BARN





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#### STOCKPILE MANAGEMENT:

STOCKPILE MANAGEMENT PROCEDURES AND PRACTICES ARE DESIGNED TO REDUCE OR ELIMINATE AIR AND STORM WATER POLLUTION FROM STOCKPILES OF SOIL. SAND, AND PAVING MATERIALS SUCH AS PORTLAND CEMENT CONCRETE (PCC) RUBBLE, ASPHALT CONCRETE (AC), ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB-BASE OR PRE-MIXED AGGREGATE, ASPHALT BINDER (SO CALLED "COLD MIX" ASPHALT) AND PRESSURE TREATED WOOD.

ALL STOCKPILES:

- IF FEASIBLE, LOCATE STOCKPILES A MINIMUM OF 50 FEET AWAY FROM INLETS, DRAINAGE COURSES, OR WATER BODIES.
- KEEP STOCKPILES ORGANIZED AND SURROUNDING AREAS CLEAN. PROTECT STORM DRAIN INLETS, DRAINAGE COURSES, AND RECEIVING WATERS FROM STOCKPILES, USING DRAIN INLET PROTECTION AND PERIMETER SEDIMENT CONTROLS AS APPROPRIATE.
- IMPLEMENT DUST CONTROL PRACTICES AS APPROPRIATE TO PREVENT WIND EROSION OF STOCKPILED MATERIAL
- TEMPORARY STOCKPILES NOT REMOVED OR USED BY THE END OF ONE WORKDAY MUST BE MANAGED IN ACCORDANCE WITH THIS BMP AND IN ALL CASES PROTECTED PRIOR TO RAINFALL.

#### STOCKPILES OF SOIL, PORTLAND CEMENT, SAND, MULCH, CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE

- RUBBLE, AGGREGATE BASE, OR AGGREGATE SUB-BASE: PROTECT STOCKPILES WITH A PERIMETER SEDIMENT BARRIER SUCH AS BERMS, SEDIMENT FENCES, FIBER ROLLS, SAND/GRAVEL BAGS, OR STRAW BALE BARRIERS YEAR ROUND.
- STOCKPILES SHOULD ADDITIONALLY BE COVERED OR STABILIZED AS NECESSARY DURING SIGNIFICANT FORECASTED STORM EVENTS (> 0.25 INCHES), PROLONGED PERIODS OF RAIN, AND TO PROTECT FROM WIND EROSION
- SOIL STOCKPILES MAY BE RETURNED TO THE EXCAVATION IF RAIN IS FORECAST.
- TOPSOIL STOCKPILES SHOULD BE LOW N HEIGHT (IDEALLY <1 METER) AND FLAT AND BE USED WITHIN 6 MONTHS TO PROMOTE HEALTHY SOIL ORGANISMS AND MICROBES. STOCKPILES NOT USED WITHIN 6 MONTHS SHOULD BE RESEEDED WITH A SPECIES THAT IS MYCORRHIZAL DEPENDENT TO AVOID THE DEVELOPMENT OF ANAEROBIC CONDITIONS IN THE STOCKPILE.. IN ADDITION, TOPSOIL STOCKPILES CAN BE TURNED PERIODICALLY TO KEEP ORGANISMS ALIVE FOR LARGER STOCKPILES AND DURING EXTREMELY HOT WEATHER.

#### STOCKPILES OF "COLD MIX" OR OTHER POLLUTANTS EASILY TRANSPORTED IN STORM WATER (CEMENT, LIME, AND OTHER CAUSTIC AMENDMENTS): STOCKPILES SHALL BE PLACED ON PLASTIC OR COMPARABLE MATERIAL AT ALL TIMES

• STOCKPILES SHALL BE COVERED WITH PLASTIC OR COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).

#### BAGGED MATERIALS:

- BAGGED MATERIALS SHALL BE PLACED ON PALLETS AT ALL TIMES AND UNDER COVER (PLASTIC SHEETING, INDOORS, ETC.) PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.10 INCHES).
- STOCKPILES/STORAGE OF PRESSURE TREATED WOOD WITH COPPER,
- CHROMIUM, AND ARSENIC OR AMMONIACAL COPPER, ZINC, AND ARSENATE: • "STOCKPILES" OF TREATED WOOD SHALL BE COVERED WITH PLASTIC OR
- COMPARABLE MATERIAL PRIOR TO THE ONSET OF SIGNIFICANT RAIN (>0.25 INCHES).

#### **INSPECTION AND MAINTENANCE:**

• INSPECT STOCKPILES REGULARLY AND REPAIR AND/OR REPLACE COVERS, AND PERIMETER CONTROLS AS NEEDED.

#### **DUST CONTROL NOTES:**

THE GENERAL CONTRACTOR SHALL PROVIDE EXTRA MEASURES FOR DUST CONTROL. DUST CONTROL MEASURES MUST BE IMPLEMENTED TO PREVENT THE SOIL AND ATTACHED POLLUTANTS FROM LEAVING THE SITE. EXTRA MEASURES SHALL BE TAKEN WHERE EXPOSED SOIL IS LIKELY TO BE TRANSPORTED INTO OPEN BODIES OF WATER.

ACCEPTABLE DUST CONTROL MEASURES ARE AS FOLLOWS:

- WATERING VEGETATION
- SPRAY-ON ADHESIVES
- IF VEGETATION IS THE METHOD TO BE USED: THE GENERAL CONTRACTOR SHALL NOT CLEAR AND GRUB AREA'S NOT DIRECTLY AFFECTED BY THE CURRENT CONSTRUCTION. LEAVE ALL EXISTING VEGETATION IN PLACE AS TO PREVENT EROSION OF THE EXISTING SOIL BY WIND.
- IF SPRAY-ON ADHESIVE IS THE METHOD TO BE USED:

TYPE OF EMULSION	WATER DILUTION	NOZZLE TYPE	APPLY (gal/acre)
ANIONIC ASPHALT	7:1	COARSE SPRAY	1,200
LATEX	12.5:1	FINE SPRAY	235
RESIN-IN-WATER	4:1	FINE SPRAY	300

#### **SEEDING REQUIREMENTS:**

TEMPORARY AND PERMANENT SEED MIX OF RESTORATION AND EROSION CONTROL AREAS SHALL BE HYDROSEEDED PER THE FOLLOWING:

- 1. SEED MIXTURE SHALL BE 'SUNMARK SEEDS NATIVE E/C MIX' OR ENGINEER APPROVED EQUAL, CONSISTING OF THE FOLLOWING SPECIFICATIONS: 40% MEADOW BARLEY
- 35% CALIFORNIA BROME
- 20% NATIVE RED FESCUE
- 3% TUFTED HAIRGRASS
- 2% SPIKE BENTGRASS
- 2. SEED SHALL BE APPLIED AT A RATE OF 44 POUNDS PER ACRE.
- 3. APPLY SEED TO ALL DISTURBED SURFACES PER THE ABOVE NOTES TO PROVIDE PERMANENT COVER. PROVIDE ADEQUATE MEASURES TO PREVENT EROSION & DOWNSTREAM SEDIMENT TRANSFER UNTIL PERMANENT COVER IS ESTABLISHED.

#### **EROSION CONTROL INSPECTION AND MAINTENANCE:**

- 1. ALL INSPECTIONS (SITE CONDITIONS AND FREQUENCIES) SHALL CONFORM TO THE 'INSPECTION FREQUENCY TABLE' ON THIS SHEET.
- 2. NEWLY SEEDED AREAS SHALL BE INSPECTED FREQUENTLY TO ENSURE THE GRASS IS GROWING. PROVIDE TEMPORARY IRRIGATION AS REQUIRED TO GERMINATE & ESTABLISH SEED. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
- 3. IF SEEDED AREAS ARE DAMAGED DUE TO RUNOFF, ADDITIONAL BMP's MAY BE NEEDED. RE-SEED DAMAGED AREAS IMMEDIATELY. SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL.
- 4. REFER TO CURRENT OREGON/APWA STANDARD SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

#### **CONCRETE MANAGEMENT:**

#### MATERIAL USE:

- PROTECTION.
- FORECASTED RAIN.

- INLETS AND CHANNELS.
- AS HAZARDOUS WASTE.

#### WASTE MANAGEMENT

• EXCESS CONCRETE SHALL NOT BE DUMPED ON-SITE.

IN THE WASHOUT.

#### **INSPECTION AND MAINTENANCE:**

- TRUCKS ARRIVE ON SITE.

- MANAGEMENT."

### **CONSTRUCTION SPECIFICATIONS:**

- SITE

### INSPECTION AND MAINTENANCE:

- MINIMIZE LEAKS AND DRIPS.

CONCRETE TRUCKS AND TRANSFER CHUTES SHALL BE WASHED-OUT ON-SITE UTILIZING A CONCRETE WASHOUT TO COLLECT ALL WASH WATER AND CONCRETE WASTE. THE WASHOUT AREA WILL BE LOCATED AWAY FROM STORM DRAINS, OPEN DITCHES OR WATER BODIES. SIGNS WILL BE POSTED THROUGHOUT THE JOBSITE, DIRECTING CREWS AND CONCRETE TRUCKS TO CONCRETE WASHOUTS. UPON COMPLETION OF THE CONCRETE WORK, THE CONTRACTOR SHALL BREAK UP, REMOVE, AND HAUL AWAY OR REUSE ON SITE SOLID CONCRETE THAT HAS ACCUMULATED IN THE WASHOUT.

#### CONSTRUCTION SPECIFICATIONS:

 INSTALL STORM DRAIN PROTECTION AT ANY DOWN-GRADIENT INLETS THAT MAY BE IMPACTED BY THE ACTIVITY. SEE THE BMP ON "STORM DRAIN INLET

• DO NOT PLACE CONCRETE DURING RAIN (PRECIPITATION THAT IS SUFFICIENT TO CAUSE LOCAL RUNOFF) OR WITHIN 18 HOURS OF

• PLACE STOPPERS ON CONCRETE TRUCK CHUTES DURING TRAVEL ONSITE TO MANAGE POTENTIAL DRIBBLING OF CONCRETE MATERIAL. • MINIMIZE AMOUNT OF CURING COMPOUND AND FORM OIL USED AND DO NOT OVERSPRAY ONTO A NON-TARGET SURFACE.

 SANDBLASTING: USE SHROUDS WHERE NECESSARY TO CONTAIN WASTE FROM SANDBLASTING. CONDUCT WORK IN ACCORDANCE WITH APPLICABLE AIR QUALITY STANDARDS. COLLECTED DEBRIS FOR PROPER DISPOSAL ASAP AND PRIOR TO RAIN EVENTS.

 MINIMIZE THE AMOUNT OF WATER USED DURING CORING/DRILLING OR SAW CUTTING. DURING WET CORING OR SAW CUTTING, USE A SHOVEL OR WET VACUUM TO LIFT THE COOLING WATER / SLURRY FROM THE PAVEMENT. ADDITIONALLY, IF WET VACUUMING IS NOT ADEQUATE TO CAPTURE

WASTEWATER FROM THE ACTIVITY, SAND BAG BARRIERS OR OTHER CONTAINMENT SHALL BE USED. • IF CONCRETE RESIDUE REMAINS AFTER DRYING, THE AREA SHALL BE

SWEPT UP AND RESIDUE REMOVED TO AVOID CONTACT WITH STORM WATER OR ENTERING A STORM DRAIN OR WATER BODY VIA THE WIND. • THE SWEEPINGS SHALL BE COLLECTED AND RETURNED TO THE AGGREGATE STOCKPILE OR DISPOSED IN THE TRASH AND NOT WASHED

INTO THE STREET OR STORM DRAIN. WASHING OF FRESH CONCRETE SHALL BE AVOIDED, UNLESS RUNOFF CAN BE DRAINED TO A BERMED OR LEVEL AREA, AWAY FROM STORM DRAIN

 ACID WASHING OF CONCRETE SHALL BE MINIMIZED. WHERE REQUIRED, ACID WASH SHALL BE DIRECTED INTO A COLLECTION AREA LINED WITH VISQUEEN. RESIDUALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF

• HANDLING OF WET CONCRETE, SUCH AS MOVING A PUMPER CHUTE OR TRANSPORTING MATERIAL IN A WHEELBARROW FROM THE DELIVERY TRUCK, MUST BE PERFORMED IN A CONTROLLED MANNER TO PREVENT DRIPS AND SPILLS OUTSIDE THE TARGET POUR AREA. MINIMIZE WATER

• CONCRETE DRIPS, SPILLS, OVER POURS, AND EQUIPMENT RINSE WATER LANDING ON RAIN-EXPOSED OUTSIDE OF ANY BMP DEVICE MUST BE COLLECTED AND HAVE THE SURFACE CLEANED AND WASTE DISPOSED OF PROPERLY PRIOR TO THE END OF THE WORKDAY OR BEFORE THE NEXT RAIN EVENT. CONCRETE-LADEN EQUIPMENT IMPLEMENTS (E.G., CRANE BUCKETS) MUST BE STORED ON TOP OF HEAVY MIL PLASTIC UNTIL DRY USED FORMS THAT ARE NOT IMMEDIATELY PLACED INTO A HAUL TRUCK WHEN REMOVED FROM FOUNDATIONS MUST ALSO BE TEMPORARILY STAGED OVER PLASTIC SHEETING OR AN EQUIVALENT UNTIL RINSED, WIPED, OR DRIED OR UNTIL HAULED OFFSITE.

• DO NOT DISCHARGE CONCRETE RESIDUE OR PARTICULATE MATTER INTO A STORM DRAIN INLET OR WATERCOURSE.

THE FOLLOWING OPTIONS SHALL BE USED FOR CONCRETE TRUCK CHUTE AND/OR PUMP AND HOSE WASHOUT:

**CONCRETE WASHOUTS:** WASHOUT STATIONS CAN BE A PLASTIC LINED TEMPORARY PIT OR BERMED AREA DESIGNED WITH SUFFICIENT VOLUME TO COMPLETELY CONTAIN ALL LIQUID AND WASTE CONCRETE MATERIALS PLUS ENOUGH CAPACITY FOR RAINWATER. THE DESIGNATED AREA SHALL BE LOCATED AWAY FROM STORM DRAIN INLETS, OR WATERCOURSES. NEW WASHOUTS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE

SUFFICIENT. WASHOUT CAPACITY ON-SITE. WASTES OTHER THAN CONCRETE (I.E., TRASH, PAINT WASTES ETC.) SHALL NOT BE DISPOSED OF

 RESPONSIBLE PERSONNEL SHALL ENSURE THAT ALL CONCRETE TRUCK DRIVERS ARE INSTRUCTED ABOUT PROJECT PRACTICES WHEN THE

 CLEAN OUT DESIGNATED WASHOUT AREAS AS NEEDED OR AT A MINIMUM WHEN THE WASHOUT IS 75 PERCENT FULL TO MAINTAIN SUFFICIENT CAPACITY THROUGHOUT THE PROJECT DURATION.

 ANY DESIGNATED ONSITE WASHOUT AREAS SHALL BE CLEANED OUT AND ALL DEBRIS REMOVED UPON PROJECT COMPLETION. DISPOSE OF CONCRETE WASTE ACCORDING TO THE BMP ON "SOLID WASTE

INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDERWAY TO ENSURE THAT CONCRETE WASHOUT DOES NOT OVERFLOW AND THAT FREEBOARD IS ADEQUATE TO CONTAIN CONCRETE AND RAIN.

#### **PAVING OPERATIONS MANAGEMENT**

IN ORDER TO REDUCE THE POTENTIAL FOR THE TRANSPORT OF POLLUTANTS IN STORM WATER RUNOFF FROM PAVING

OPERATIONS, PAVING SHALL NOT TAKE PLACE WITHIN 72 HOURS OF A PREDICTED SIGNIFICANT (>0.10") STORM EVENT. IF

PAVING DOES OCCUR WITHIN 72 HOURS OF A SIGNIFICANT STORM EVENT, CATCH BASIN FILTERS OR OTHER APPROPRIATE

BMPS SHALL BE UTILIZED TO TRAP HYDROCARBONS.

 PROTECT STORM DRAIN INLETS NEAR WORK AND DOWN GRADIENT OF WORK AREAS DURING SAW CUTTING, PAVING, OR GRINDING OPERATIONS. SAW-CUT SLURRY SHALL BE SHOVELED, VACUUMED AND REMOVED FROM

 PAVING MATERIALS AND MACHINERY SHALL BE STORED AWAY FROM STORM DRAINS AND WATER BODIES AND SECONDARY CONTAINMENT WILL BE USED TO CATCH DRIPS, LEAKS OR SPILLS WHERE APPLICABLE. IF ONSITE MIXING IS PLANNED THEN AN AREA SHALL BE DESIGNED FOR CONDUCTING THE MIXING. THIS AREA SHALL BE PAVED OR MADE IMPERVIOUS (E.G., PLASTIC OR WOOD SHEETING) AND BE LOCATED AWAY FROM STORM DRAIN INLETS OR WATERCOURSES.

 MINIMIZE OVERSPRAY OF TACKIFYING EMULSIONS OR PLACEMENT OF OTHER PAVING MATERIALS BEYOND THE LIMITS OF THE AREA TO BE PAVED. USE DRY METHODS TO CLEAN EQUIPMENT AND CONDUCT CLEANING IN ACCORDANCE WITH THE BMP ON "VEHICLE AND EQUIPMENT CLEANING." MATERIAL USE AND STOCKPILES SHALL BE MANAGED IN ACCORDANCE WITH BMPS ON "MATERIAL USE" AND "STOCKPILE MANAGEMENT." COLLECT AND REMOVE ALL BROKEN ASPHALT AND CONCRETE OR EXCESS MATERIALS, RECYCLE WHEN FEASIBLE AND DISPOSE OF MATERIALS IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.

 DO NOT APPLY ASPHALT, CONCRETE PAVING, SEAL COAT, TACK COAT, SLURRY SEAL OR FOG SEAL IF RAIN IS EXPECTED DURING THE APPLICATION OR CURING PERIOD. AVOID IF POSSIBLE, TRANSFERRING, LOADING, OR UNLOADING PAVING

MATERIALS NEAR STORM DRAIN INLETS OR WATERCOURSES. IF NOT POSSIBLE, USE BMP ON STORM DRAIN INLET PROTECTION.

#### INSPECT AND MAINTAIN EQUIPMENT AND MACHINERY ROUTINELY TO

INSPECT INLET PROTECTION MEASURES ROUTINELY.

#### SPILL PREVENTION AND CONTROL PROCEDURES:

CONSTRUCTION SPECIFICATIONS:

 THE CONTRACTOR SHALL PREPARE A SITE/PROJECT SPECIFIC SPILL RESPONSE PLAN THAT IDENTIFIES THE TYPE AND LOCATION OF PRODUCTS OR WASTES ON THE SITE WITH SPILL POTENTIAL, THE LOCATION OF SPILL CLEANUP MATERIALS, STORM DRAINS OR SENSITIVE AREAS THAT REQUIRE IMMEDIATE RESPONSE, PERSONNEL RESPONSIBLE FOR SPILL RESPONSE AND NOTIFICATIONS, AND SPILL CLEANUP PROCEDURES.

- AVOIDING SPILLS AND LEAKS IS PREFERABLE TO CLEANING THEM UP AFTER THEY OCCUR. HEAVY EQUIPMENT (E.G., BULLDOZERS AND OTHER GRADING EQUIPMENT) AND VEHICLES SHOULD BE INSPECTED DAILY (OR AS OFTEN AS POSSIBLE) FOR LEAKS AND SHOULD BE REPAIRED AS NECESSARY. USE SECONDARY CONTAINMENT AND DRIP PANS FOR VEHICLE FUELING, MAINTENANCE, AND STORAGE (SEE BMP FOR "VEHICLE
- AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE." DESPITE PRECAUTIONS, SPILLS MAY STILL OCCUR AT THE SITE. SPILLS (OF LIQUID OR DRY MATERIALS) SHOULD NEVER BE CLEANED UP BY HOSING OFF THE AREA. IN THE EVENT THAT SPILLS OCCUR THEY SHOULD BE
- CONTROLLED AS FOLLOWS: ANY FUEL PRODUCTS, LUBRICATING FLUIDS, GREASE OR OTHER PRODUCTS AND/OR WASTE RELEASED FROM VEHICLES, EQUIPMENT, OR OPERATIONS SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH STATE, FEDERAL AND LOCAL LAWS.
- IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, THE AREA WILL BE COVERED AS QUICKLY AS POSSIBLE. THE SPILL WILL BE CLEANED UP AS SOON AS POSSIBLE DURING OR AFTER CESSATION OF RAIN.
- SPILL CLEANUP MATERIALS WILL BE STORED NEAR POTENTIAL SPILL AREAS (E.G., PAINTING, VEHICLE MAINTENANCE AREAS).
- MINOR SPILLS: MINOR SPILLS TYPICALLY INVOLVE SMALL QUANTITIES OF OIL, GASOLINE, PAINT, ETC. THAT CAN BE CONTROLLED BY THE FIRST RESPONDER AT THE DISCOVERY OF THE SPILL. CONTROL OF MINOR SPILLS INVOLVES:
- 1. CONTAIN THE SPILL IMMEDIATELY. 2. RECOVER SPILLED MATERIALS (IF POSSIBLE). 3. CLEAN THE CONTAMINATED AREA AND DISPOSE OF CONTAMINATED MATERIALS.

#### MEDIUM-SIZED SPILLS:

 MEDIUM-SIZED SPILLS STILL CAN BE CONTROLLED BY THE FIRST RESPONDER, ALONG WITH THE AID OF OTHER PERSONNEL SUCH AS LABORERS, FOREMEN, ETC. THIS RESPONSE MAY REQUIRE THE CESSATION OF OTHER ACTIVITIES. SPILLS SHOULD BE CLEANED UP IMMEDIATELY, AS FOLLOWS:

- 1. NOTIFY THE PROJECT FOREMAN IMMEDIATELY. THE
- FOREMAN/SUPERINTENDENT IS RESPONSIBLE FOR ANY NECESSARY NOTIFICATIONS (FIRE DEPARTMENT ETC.). 2. CONTAIN THE SPREAD OF THE SPILL (USING SAND BAGS OR OTHER
- BARRIERS) IMMEDIATELY. 3. IF THE SPILL HAS OCCURRED ON A PAVED OR IMPERMEABLE SURFACE, CLEAN IT UP USING DRY METHODS (ABSORBENT MATERIALS, AT LITTER, AND/OR RAGS). CONTAIN THE SPILL BY ENCIRCLING IT WITH
- ABSORBENT MATERIALS. 4. IF THE SPILL HAS OCCURRED ON AN UNPAVED OR PERMEABLE SURFACE, IMMEDIATELY CONTAIN THE SPILL BY CONSTRUCTING AN EARTHEN DIKE. DIG UP AND PROPERLY DISPOSE OF CONTAMINATED
- 5. IF THE SPILL HAS OCCURRED DURING A RAIN EVENT, COVER/CONTAIN THE AREA IF POSSIBLE. SIGNIFICANT/HAZARDOUS SPILLS:

 FOR LARGE SPILLS OR SPILLS INVOLVING HAZARDOUS MATERIALS THAT CANNOT BE CONTROLLED BY PROJECT PERSONNEL, THE FOLLOWING STEPS SHOULD BE TAKEN:

- 1. THE FOREMAN SHOULD NOTIFY THE PROJECT SUPERINTENDENT
- IMMEDIATELY AND FOLLOW UP WITH A WRITTEN INCIDENT REPORT. 2. THE PROJECT SUPERINTENDENT WILL NOTIFY LOCAL EMERGENCY RESPONSE PERSONNEL BY DIALING 911. IN ADDITION, THE PROJECT SUPERINTENDENT WILL NOTIFY THE APPROPRIATE COUNTY OFFICIALS. IT IS THE PROJECT SUPERINTENDENT'S RESPONSIBILITY TO HAVE ALL OF THE EMERGENCY PHONE NUMBERS AT THE CONSTRUCTION SITE.
- 3. THE PROJECT SUPERINTENDENT WILL ALSO NOTIFY THE OREGON DEQ. 4. FOR SPILLS OF FEDERAL REPORTABLE QUANTITY (AS ESTABLISHED UNDER 40 CFR PARTS 110, 117, OR 302), THE PROJECT SUPERINTENDENT WILL NOTIFY THE NATIONAL RESPONSE CENTER BY TELEPHONE AT (800) 424-8802 WITHIN 24 HOURS. WITHIN 14 DAYS, THE PROJECT SUPERINTENDENT WILL SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO EPA REGION 10, INCLUDING THE DATE AND
- CIRCUMSTANCES OF THE INCIDENT AND STEPS TAKEN TO PREVENT ANOTHER RELEASE. 5. RETAIN THE SERVICES OF A SPILL CLEANUP CONTRACTOR OR HAZMAT TEAM IMMEDIATELY. CONSTRUCTION PERSONNEL SHOULD NOT
- ATTEMPT TO CLEAN UP THE SPILL UNTIL THE APPROPRIATE AND QUALIFIED STAFF HAS ARRIVED AT THE SITE. 6. OTHER AGENCIES THAT MAY NEED TO BE CONTACTED INCLUDE THE
- LOCAL FIRE DEPARTMENT, OREGON DEPARTMENT OF TRANSPORTATION, ETC.

**INSPECTION AND MAINTENANCE:** 

 INSPECT WORK AND MATERIAL STORAGE AREAS ROUTINELY FOR ADEQUATE CONTAINMENT TO AVOID UNCONTROLLED RELEASES.

#### FINAL EROSION CONTROL SITE PREPARATION:

ALL DISTURBED SOIL AREAS, INCLUDING R.O.W., SHALL BE TREATED AND SEEDED PER THE FOLLOWING NOTES. SEED COMPOSITION SHALL CONSIST OF A NATIVE GRASS BLEND MATCHING SURROUNDING AREA. GRASS SEED MIXTURE TO BE SUBMITTED FOR REVIEW PRIOR TO APPLICATION.

- 1. ALL FINAL GRADE PREPARATION AND PLANTING/SEEDING SHALL BE COORDINATED WITH THE PROJECT LANDSCAPER AND ENGINEER AT TIME OF CONSTRUCTION.
- 2. BRING ALL PLANTERBED/SEEDBED AREAS TO FINAL GRADE, REMOVE ALL ROCKS AND DEBRIS, AND SMOOTH SURFACE UNDULATIONS LARGER THAN 2 INCHES
- 3. DIVERT CONCENTRATED FLOWS AWAY FROM THE PLANTER/SEEDED
- AREAS 4. FOR OPTIMUM PLANTING/SEEDING CONDITIONS PRESERVE TOPSOIL AND STOCKPILE MATERIAL UNTIL FINAL GRADES ARE ESTABLISHED. SPREAD TOP SOIL OVER NEW GRADES. SEE PROJECT LANDSCAPER FOR ADDITIONAL INFORMATION RELATED TO TOPSOIL REQUIREMENTS.
- 5. ROUGHEN THE SOIL BY HARROWING, TRACKING, GROOVING OR FURROWING
- 6. THE SEEDBED SHOULD BE FIRM BUT NOT COMPACT. THE TOP 4.0-6.0 INCHES OF SOIL SHOULD BE LOOSE, MOIST AND FREE OF LARGE CLODS AND STONES. VERIFY TOPSOIL REQUIREMENTS WITH LANDSCAPER AT TIME OF CONSTRUCTION.
- 7. HARROWING, TRACKING OR FURROWING SHOULD BE DONE HORIZONTALLY ACROSS THE FACE OF THE SLOPE, SO RIDGES ARE ALONG THE SLOPE CONTOUR.
- 8. APPLY SEED AT THE RATES SPECIFIED BY SEED SUPPLIER USING CALIBRATED SEED SPREADERS, CYCLONE SEEDERS, MECHANICAL DRILLS, OR HYDROSEEDER SO THAT SEED IS APPLIED UNIFORMLY ON THE SITE.
- SEE SEEDING REQUIREMENTS FOR ADDITIONAL INFORMATION TYPICAL. 9. BROADCAST SEED SHOULD BE INCORPORATED INTO THE SOIL BY RAKING OR CHAIN DRAGGING AND THEN LIGHTLY COMPACTED TO PROVIDE GOOD SEED-SOIL CONTACT. SEE SEEDING REQUIREMENTS FOR ADDITIONAL
- INFORMATION TYPICAL. 10. TO PREVENT SEED FROM BEING WASHED AWAY, CONFIRM INSTALLATION
- OF ALL REQUIRED SURFACE WATER CONTROL MEASURES. 11. DOUBLE THE RATE OF SEED APPLICATION WHEN SEED IS APPLIED IN A SINGLE APPLICATION. SEE SEEDING REQUIREMENTS FOR ADDITIONAL
- INFORMATION TYPICAL.

#### DEWATERING AND PONDED WATER MANAGEMENT:

DEWATERING AND PONDED WATER MANAGEMENT APPLIES TO AREAS WHERE STORM WATER HAS COLLECTED IN LOW SPOTS, TRENCHES OR OTHER DEPRESSIONS AND NEEDS TO BE REMOVED TO PROCEED WITH CONSTRUCTION ACTIVITIES OR FOR VECTOR CONTROL. ALL DEWATERING DISCHARGE ACTIVITIES MUST BE CONDUCTED IN ACCORDANCE WITH LOCAL AGENCY (I.E., LOCAL SEWERAGE AGENCY OR OTHER APPLICABLE AGENCY) PERMIT REQUIREMENTS.

#### **CONSTRUCTION SPECIFICATIONS:**

- PONDED STORM WATER SHALL BE SETTLED OR FILTERED FOR SEDIMENT REMOVAL PRIOR TO DISCHARGE.
- WATER FROM TRENCH OR EXCAVATION DEWATERING SHALL BE TESTED IF REQUIRED BY APPLICABLE PERMITS AND DISCHARGED IN ACCORDANCE WITH PERMIT PROVISIONS.
- FOR CLEAN PONDED STORM WATER, DEWATERING DISCHARGES (WITHOUT PERMIT REQUIREMENTS), AND AUTHORIZEDNON-STORM WATER DISCHARGES, USE ONE OF THE FOLLOWING METHODS FOR DISCHARGE / DISPOSAL AS ALLOWABLE BY LOCAL REQUIREMENTS / AGENCIES AND APPROVED BY THE PROJECT SUPERINTENDENT. WATER SHALL BE CLEAN AND FREE OF SIGNIFICANT SEDIMENT, SURFACTANTS, OR OTHER POLLUTANTS.
- REDUCE SEDIMENT DISCHARGE BY PUMPING WATER FROM THE TOP OF PONDED AREAS USING A FLOATING OR RAISED HOSE
- USE WATER WHERE POSSIBLE FOR CONSTRUCTION ACTIVITIES SUCH AS COMPACTION AND DUST CONTROL AND LANDSCAPE IRRIGATION. IF USED FOR THESE APPLICATIONS, ENSURE THAT THE WATER WILL INFILTRATE AND NOT RUN-OFF FROM THE LAND TO STORM DRAIN SYSTEMS, TO CREEK BEDS (EVEN IF DRY) OR TO RECEIVING WATERS.
- INFILTRATE TO AN APPROPRIATE LANDSCAPED, VEGETATED OR SOIL AREA. NOTE: INFILTRATION MAY BE PROHIBITED IN ACCORDANCE WITH LOCAL REQUIREMENTS.
- DISCHARGE TO AN ON-SITE TEMPORARY SEDIMENT POND
- DISCHARGE TO THE STORM DRAIN SYSTEM. WATER FROM DEWATERING MUST NOT CONTAIN SIGNIFICANT SEDIMENTS OR OTHER POLLUTANTS AND DISCHARGE MUST BE IN ACCORDANCE WITH LOCAL PERMITS. IF A PERMIT IS REQUIRED, PROVIDE TEMPORARY ONSITE STORAGE (BAKER)
- TANKS, ETC.) OF WATER REMOVED FROM TRENCHES, EXCAVATIONS, ETC., UNTIL A PERMIT TO DISCHARGE IS OBTAINED.
- IF A PERMIT IS OBTAINED FOR DISCHARGE TO A STORM DRAIN OR SANITARY SEWER SYSTEM, CONDUCT ALL DEWATERING DISCHARGE ACTIVITIES IN ACCORDANCE WITH PERMIT REQUIREMENTS.

#### INSPECTION AND MAINTENANCE:

- INSPECT PUMPS, HOSES AND ALL EQUIPMENT BEFORE USE. MONITOR DEWATERING OPERATIONS TO ENSURE IT DOES NOT CAUSE OFFSITE DISCHARGE OR EROSION.
- INSPECT ROUTINELY, WHEN APPLICABLE ACTIVITIES ARE UNDER WAY.

#### VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE MANAGEMENT:

VEHICLES AND HEAVY MACHINERY ARE A POTENTIAL SOURCE OF POLLUTANTS SUCH AS PETROLEUM PRODUCTS, ANTIFREEZE, AND EXHAUST AND WASTE OIL CONTAINING HEAVY METALS. POLLUTANTS MAY ENTER STORM WATER RUNOFF BY MEANS OF DIRECT CONTACT WITH MACHINE PORTS AND BY CONTACT WITH SPILLS ON SURFACES AND THE GROUND. THE FOLLOWING CONTROL MEASURES CAN HELP PREVENT CONTACT OF THESE POTENTIAL POLLUTANTS WITH STORM WATER AND GROUND SURFACES.

#### CONSTRUCTION SPECIFICATIONS:

FUELING - ON SITE VEHICLE AND EQUIPMENT FUELING SHOULD ONLY BE USED WHERE IT IS IMPRACTICAL TO SEND VEHICLES AND EQUIPMENT OFFSITE FOR FUELING. WHEN FUELING MUST OCCUR ON SITE, THE CONTRACTOR SHALL SELECT AND DESIGNATE AN AREA TO BE USED, SUBJECT TO APPROVAL. VEHICLE AND EQUIPMENT FUELING (INCLUDING FUELING OF HANDHELD EQUIPMENT) SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING:

- AWAY FROM STORM DRAIN INLETS, DRAINAGE FACILITIES, OR WATERCOURSES
- ON A PAVED SURFACE WHERE PRACTICAL WITHIN A BERMED AREA TO PREVENT RUN-ON, RUNOFF, AND TO CONTAIN
- SPILLS. STORE PORTABLE FUEL CONTAINERS FOR HAND HELD EQUIPMENT IN A TUB
- OR EQUIVALENT DEVICE TO AVOID SPILLS AND LEAKS. USE SECONDARY CONTAINMENT TECHNIQUES FOR FUELING OF HANDHELD OR PORTABLE EQUIPMENT, SUCH AS DRAIN PANS OR DROP CLOTHS TO CATCH SPILLS OR LEAKS.
- ALL FUELING SHALL BE CONDUCTED WITH THE FUELING OPERATOR IN ATTENDANCE AT ALL TIMES.
- USE VAPOR RECOVERY NOZZLES TO HELP CONTROL DRIPS AND REDUCE AIR POLLUTION AND NOZZLES EQUIPPED WITH AUTOMATIC SHUTOFF FEATURES TO PREVENT OVERTOPPING FUEL TANK.
- SIGNAGE THAT FUEL TANKS SHOULD NOT BE "TOPPED OFF." AN ADEQUATE SUPPLY OF SPILL CLEAN UP MATERIALS SHALL BE READILY ACCESSIBLE TO ALL FUELING ACTIVITIES.

MAINTENANCE - MAINTENANCE OF LARGE EQUIPMENT SHALL BE CONDUCTED WITHIN DESIGNATED MAINTENANCE YARDS IN ORDER TO ENABLE CAREFUL MANAGEMENT. DURING MINOR ROUTINE MAINTENANCE, DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

ONLY NECESSARY MAINTENANCE REQUIRED FOR THE PROPER FUNCTIONING OF HANDHELD EQUIPMENT AND PORTABLE GENERATORS/COMPRESSORS IS ALLOWED ONSITE. DROP CLOTHES, TRAYS OR AN EQUIVALENT METHOD SHALL BE USED UNDERNEATH HANDHELD AND PORTABLE EQUIPMENT TO AVOID LEAKING FLUIDS, FUELS, OILS, OR GREASE ONTO THE GROUND. DO NOT OVERSPRAY AEROSOLS TO THE GROUND OR OTHER RAIN-EXPOSED SURFACES. CLEAN UP SPILLS IMMEDIATELY AND DISPOSE OF WASTE PROPERLY.

FUEL AND VEHICLE STORAGE - FUEL STORAGE SHALL BE CONDUCTED IN ACCORDANCE WITH APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND IN ACCORDANCE WITH THE BMP FOR "HAZARDOUS MATERIALS AND WASTE MANAGEMENT." VEHICLES AND EQUIPMENT SHALL BE STORED IN DESIGNATED, BERMED VEHICLE STORAGE AREAS (SUCH AS DEDICATED STORAGE AREAS OR FUELING AND MAINTENANCE AREAS) WHEN POSSIBLE, OR OFF OF PAVED AREAS TO THE EXTENT PRACTICAL. DURING LONG PERIODS (TYPICALLY MORE THAN ONE MONTH) OF STORAGE, AND WHEN OTHERWISE NECESSARY DRIP PANS SHALL BE PLACED UNDER VEHICLES AND EQUIPMENT THAT ARE PRONE TO LEAKAGE. PLASTIC TARPS SHALL BE PLACED OVER EXPOSED EQUIPMENT WHEN NOT IN USE FOR LONG PERIODS (>3 MOS.) TO PREVENT CONTACT WITH STORMWATER. ALL ON SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND SHALL RECEIVE PREVENTIVE MAINTENANCE TO REDUCE LEAKAGE.

#### **INSPECTION AND MAINTENANCE:**

- CHECK TO ENSURE ADEQUATE SUPPLY OF SPILL CLEANUP MATERIALS IS AVAILABLE.
- PERFORM ROUTINE INSPECTIONS OF DESIGNATED MAINTENANCE,
- CLEANING, AND FUELING AREAS. REPORT ALL SPILLS IMMEDIATELY TO THE PROJECT SUPERINTENDENT. SERVICE SUMPS REGULARLY.

ENGINEERING ARCHITECTURE

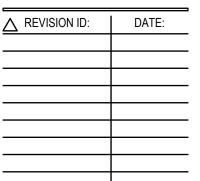
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BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

#### BANDON SCHOOL DISTRICT NEW BUS BARN

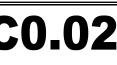


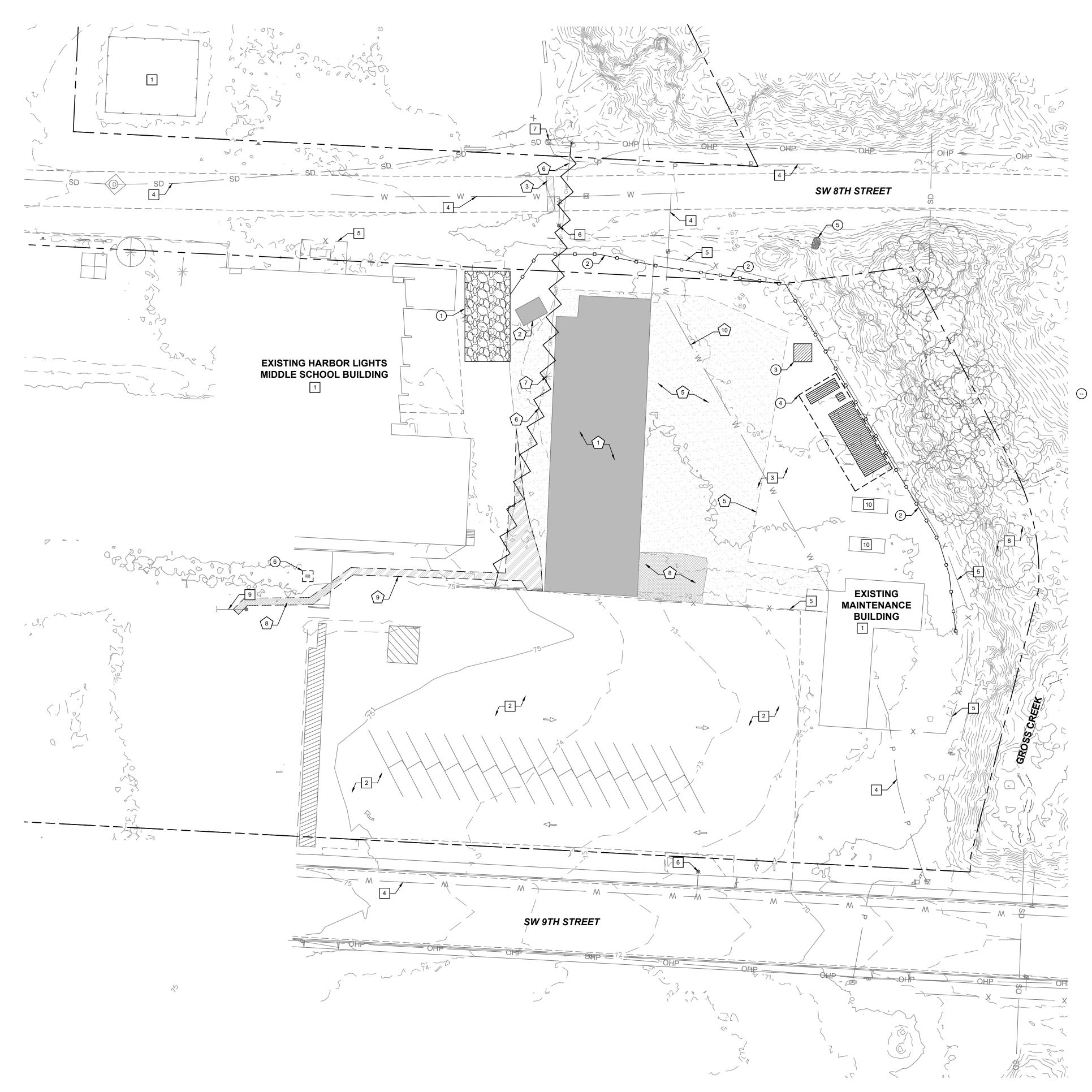




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**EROSION AND** SEDIMENT CONTROL 닖 NOTES





EXISTING CONDITIONS, DEMOLITION, AND EROSION AND SEDIMENT CONTROL PLAN C1.00

#### **EROSION CONTROL LEGEND**

160260j	TEMPORARY CON
	CONCRETE TRUCH
-00	SEDIMENT FENCE
	STRAW WATTLE
	INLET PROTECTIO

#### **EROSION CONTROL NOTES:**

- <u>GENERAL EROSION CONTROL NOTES:</u> \*\*\*ALL EROSION AND SEDIMENT CONTROL MEASURES ON SLOPES, AND AT CULVERT INLETS/OUTLETS SHALL REMAIN IN PLACE UNTIL ALL PHASES OF CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED.
- \*\*\*ALL NEW STORM DRAIN SYSTEM CATCH BASINS AND INLETS SHALL HAVE INLET PROTECTION INSTALLED PER ODOT STANDARD DRAWING RD1010 AFTER INSTALLATION AND SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND ASPHALT/CONCRETE/LANDSCAPING HAS BEEN INSTALLED.
- \*\*\*THESE REQUIREMENTS SHALL BE CONSIDERED A MINIMUM. THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL MEASURES AS REQUIRED TO FACILITATE CONSTRUCTION. ALL COSTS FOR EROSION CONTROL MEASURES SHALL BE BORN BY THE CONTRACTOR.
- \*\*\*THIS PLAN HAS BEEN PREPARED TO ADDRESS THE OVERALL PRIMARY EROSION CONTROL MEASURES THAT MUST BE IMPLEMENTED FOR CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADJUST SPECIFIC EROSION CONTROL MEASURES TO ACCOMMODATE FOR ADDITIONAL PHASED CONSTRUCTION. ANY MODIFICATIONS TO THIS PLAN SHALL BE REVIEWED AND APPROVED BY THE AGENCIES HAVING JURISDICTION AND THE PROJECT ENGINEER PRIOR TO COMMENCEMENT OF WORK.
- EROSION AND SEDIMENT CONTROL NOTES: FURNISH AND MAINTAIN 20' WIDE BY 50' LONG CONSTRUCTION ENTRANCE PER ODOT RD1000.
- FURNISH AND MAINTAIN PERIMETER SEDIMENT FENCE AS SHOWN PER ODOT RD1040.
- FURNISH AND MAINTAIN CONCRETE TRUCK WASH OUT PER ODOT RD1070.
- APPROXIMATE LOCATION OF CONTRACTOR LAYDOWN, TRAILER, AND PARKING.
- FURNISH AND MAINTAIN STRAW WATTLE AS SHOWN PER ODOT 1006.
- FURNISH AND MAINTAIN 'TYPE 3' INLET PROTECTION PER ODOT RD1010 AT ALL ON-SITE CATCH BASINS.

#### NSTRUCTION ENTRANCE CK WASH OUT PER ODOT RD1070

#### ON - CATCH BASIN

#### **DEMOLITION LEGEND:**

EXISTING STRUCTURE TO BE REMOVED EXISTING ASPHALT PAVING TO BE REMOVED AND RECYCLED EXISTING CONCRETE TO BE REMOVED AND RECYCLED EXISTING GRAVEL PAVING TO BE REMOVED AND RECYCLED ----- SD ----- EXISTING UTILITY TO REMAIN EXISTING UTILITY LINE TO BE REMOVED EXISTING GROUND CONTOUR (1 FT) — -69- — EXISTING GROUND CONTOUR (5 FT) \*0 EXISTING TREE TO REMAIN

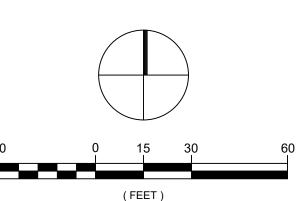
■ ▲ 🔆 EXISTING STRUCTURE TO REMAIN

#### **DEMOLITION AND PROTECTION NOTES:**

- GENERAL DEMOLITION AND PROTECTION NOTES: \*\*\* CONTRACTOR SHALL FIELD VERIFY LIMITS OF ASPHALT/CONCRETE/ETC. DEMOLITION AND ADJUST AS REQUIRED.
- \*\*\* PROVIDE SMOOTH VERTICAL SAWCUT AT ALL EXTERIOR LIMITS OF ASPHALT/CONCRETE/ETC. REMOVAL.
- \*\*\* UPON MOBILIZATION, CONTRACTOR SHALL POTHOLE EXISTING BURIED UTILITIES AND STRUCTURES (AS INDICATED) TO VERIFY HORIZONTAL AND VERTICAL ALIGNMENT, SIZE, AND MATERIAL.
- \*\*\* CONTRACTOR SHALL REPORT TO ENGINEER FOR DIRECTION IN EVENT OF DISCREPANCIES BETWEEN PLANS AND FIELD CONDITIONS.
- \*\*\* CONTRACTOR SHALL COORDINATE VEHICULAR AND PEDESTRIAN ACCESS REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- \*\*\* CONTRACTOR SHALL COORDINATE UTILITY SHUTOFF(S) WITH OWNER AND UTILITY PROVIDER 48 HOURS MINIMUM PRIOR TO CONSTRUCTION TO ENSURE MINIMAL SERVICE DISRUPTION DURING OPERATION HOURS.
- \*\*\* CONTRACTOR SHALL STORE SALVAGED MATERIALS ON SITE (OR AT AN APPROVED OFF SITE LOCATION) FOR REUSE.
- \*\*\* WHERE INDICATED, EXISTING STRUCTURES, HARDSCAPE, AND UTILITIES/APPURTENANCES SHALL BE PROTECTED THROUGHOUT ALL PHASES OF CONSTRUCTION.
- <u>DEMOLITION NOTES:</u>
  - APPROXIMATE LIMITS OF EXISTING STRUCTURE TO BE REMOVED. REFER TO ARCHITECTURAL AND STRUCTURAL PLANS FOR ALL INFORMATION.
  - TRASH AND RECYCLING BINS TO BE RELOCATED. COORDINATE TEMPORARY PLACEMENT AND ACCESS WITH DISTRICT AND TRASH SERVICE DURING CONSTRUCTION.
- 3. PUBLIC ASPHALT PAVING TO BE REMOVED AND RECYCLED.
- 4. NOT USED.
- 5. GRAVEL PAVING TO BE REMOVED AND RECYCLED AS REQUIRED. CONTRACTOR MAY ELECT TO STORE GRAVEL ON SITE FOR REUSE (IF SUITABLE MATERIAL). DASHED LINE DENOTES APPROXIMATE LIMITS.
- 6. EXISTING UTILITY LINE TO BE REMOVED AND REROUTED. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.
- 7. SITE LIGHT, POLE, AND ASSOCIATED OVERHEAD POWER SERVICE TO BE RELOCATED.
- 8. PRIVATE CONCRETE SIDEWALK TO BE REMOVED AND RECYCLED.
- 9. PRIVATE ASPHALT PAVING TO BE REMOVED AND RECYCLED.
- 10. EXISTING PRIVATE WATER SERVICE TO MAINTENANCE BUILDING TO BE ABANDONED IN-PLACE UPSTREAM OF NEW CONNECTION LOCATION.

### --- <u>PROTECTION NOTES:</u> 1. BUILDING TO REMAIN.

- 2. ASPHALT PARKING AND MANEUVERING AREA TO REMAIN.
- 3. GRAVEL PARKING AND MANEUVERING AREA TO REMAIN.
- 4. UNDERGROUND UTILITY TO REMAIN, TYPICAL.
- 5. FENCING, POSTS, AND GATE(S) TO REMAIN.
- 6. PUBLIC FIRE HYDRANT AND BOLLARD PROTECTION TO REMAIN.
- 7. PAD MOUNTED POWER TRANSFORMER TO REMAIN.
- 8. TREE TO REMAIN, TYPICAL.
- 9. APPROXIMATE LOCATION OF EXISTING SANITARY SEWER.
- 10. TEMPORARY STORAGE CONTAINER.



1 INCH = 30 FT

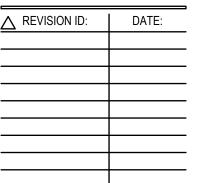


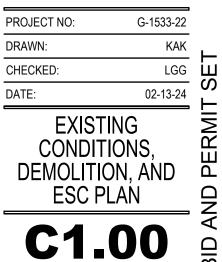
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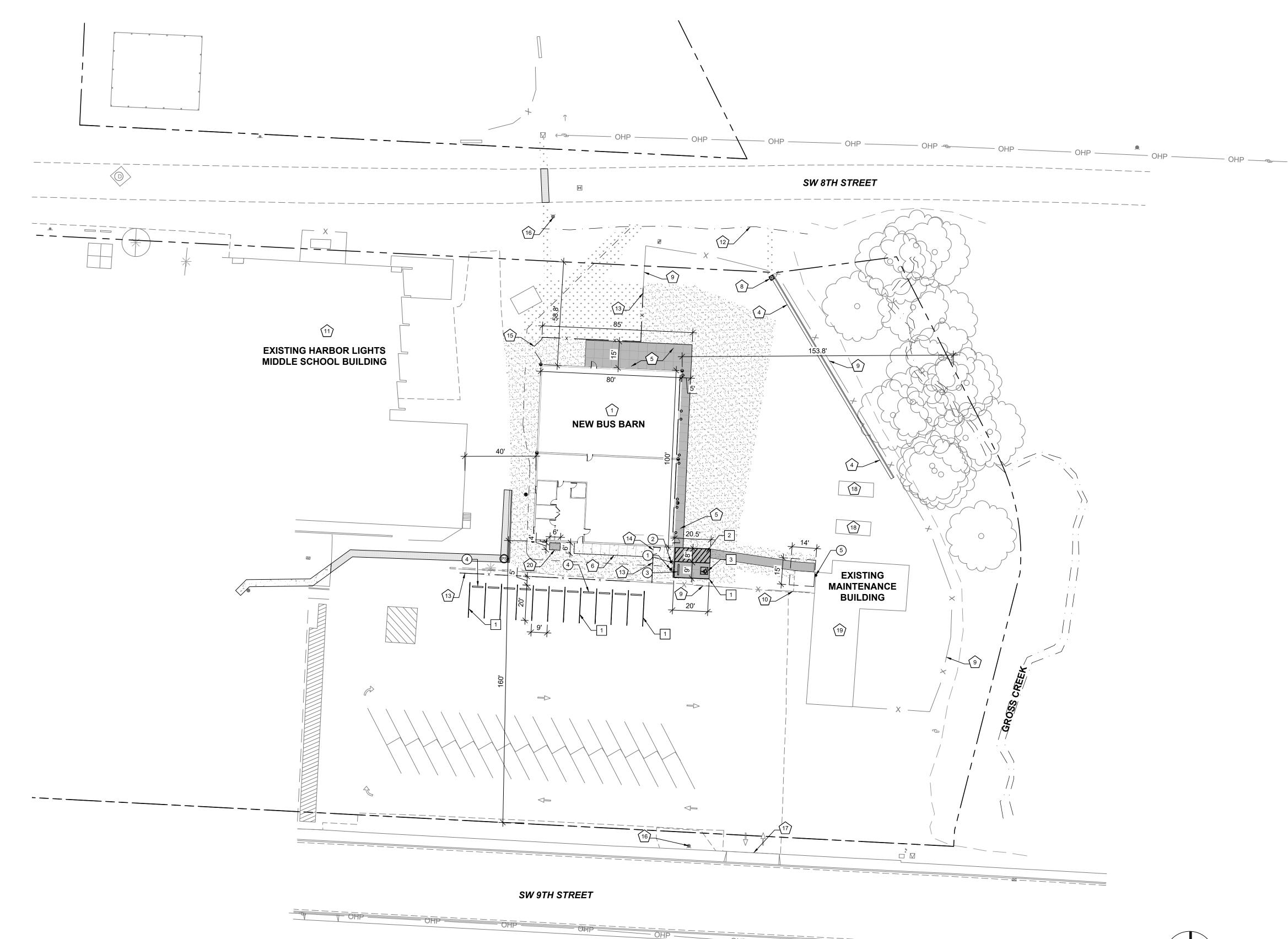
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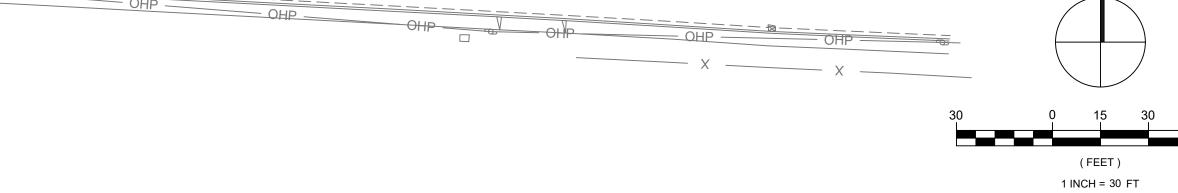












#### **CIVIL SITE NOTES:**

GENERAL SITE CONSTRUCTION NOTES \*\*\*ALL CONCRETE/ASPHALT/GRAVEL PAVEMENT SECTIONS SHALL BE CONSTRUCTED OVER 'PROPEX' 'GEOTEX 200ST' WOVEN | 'GEOTEX 651' NON-WOVEN PERMEABLE GEOTEXTILE SUPPORT FABRIC OVER HARD AND UNYIELDING SUBGRADE. REFER TO PROJECT GEOTECHNICAL REPORT AND SITE PREPARATION NOTES FOR ADDITIONAL INFORMATION

REGARDING PAVEMENT AND SUBGRADE PREPARATION.

- \*\*\*CONTRACTOR SHALL FIELD VERIFY LIMITS OF REQUIRED ASPHALT MAINTENANCE AND ADJUST AS REQUIRED. COORDINATE LIMITS WITH ENGINEER AND OWNER DURING CONSTRUCTION.
- \*\*\* TRANSITION BETWEEN NEW AND EXISTING ASPHALT/CONCRETE/CURB SHALL BE FLUSH AND FREE FROM ABRUPT CHANGES IN HEIGHT.
- \*\*\*STAIRS AND ACCESSIBLE RAMPS SHALL BE CONSTRUCTED IN CONFORMANCE WITH CURRENT OSSC STANDARDS. RAMP SLOPES SHALL NOT EXCEED 8.33% WITH LANDINGS NOT TO EXCEED 2.0%.
- \*\*\*PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.
- SITE CONSTRUCTION NOTES: NEW BUS BARN. REFER TO ARCHITECTURAL PLANS FOR ALL INFORMATION.
- 2. NOT USED.
- 3. NEW GRAVEL PARKING AND MANEUVERING AREA. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- 4. NEW TYPE 'A' CONCRETE CURB AND GUTTER. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- 5. NEW REINFORCED VEHICULAR CONCRETE PAVEMENT. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- 6. NEW CONCRETE SIDEWALK. REFER TO SHEET C3.00 FOR ADDITIONAL INFORMATION.
- 7. NOT USED.
- 8. NEW CATCH BASIN. SEE SHEET C3.00 FOR ADDITIONAL INFORMATION.
- 9. EXISTING FENCING TO REMAIN.
- 10. EXISTING 20' WIDE SLIDING GATE TO REMAIN.
- 11. EXISTING BUILDING, NO WORK IN THIS AREA.
- 12. EXISTING ROADSIDE BIOSWALE TO REMAIN.
- 13. FURNISH 6' TALL CHAIN LINK FENCE TO ALIGNMENT SHOWN ON PLAN. FENCE FINISH SHALL BE GALVANIZED TO MATCH EXISTING FENCING, AS APPLICABLE.
- SCHEDULE 40 PIPE 1-5/8"Ø TOP/BOTTOM RAILS, BRACING, AND GATE FRAMES
- 2-3/8"Ø LINE POSTS • 2-7/8"Ø CORNER AND TERMINAL POSTS
- EQUIP POSTS WITH LIKE KIND TOP CAP
- 4"Ø ON GATE LEAFS EXCEEDING 8' WIDE • 9 GA. CORE EXTRUDED CHAIN LINK FABRIC (4' HIGH 2" MESH OR 6'
- HIGH 2" MESH AS APPLICABLE) KNUCKLE SELVAGE TERMINATION OF MESH FABRIC
- 7 GA. TOP, BOTTOM, CORNER, TERMINAL POST, MID BRACING AND TRUSS ROD
- POSTS SETS IN CONCRETE 12"Ø X 2' DEEP.
- 14. FURNISH 4' WIDE CHAIN LINK MAN GATE AT LOCATION SHOWN.
- 15. FURNISH (2) 6' WIDE CHAIN LINK DOUBLE SWING VEHICLE GATE AT LOCATION SHOWN.
- 16. EXISTING FIRE HYDRANT TO REMAIN.
- 17. EXISTING 30' WIDE CONCRETE DRIVEWAY APPROACH TO REMAIN.
- 18. EXISTING TEMPORARY STORAGE CONTAINERS TO REMAIN.
- 19. ALL RESTROOM FACILITIES SHALL BE REMOVED AND SANITARY SEWER LINES SHALL BE REMOVED OR SEALED WITH WATER TIGHT PLUG.
- 20. NEW HOUSEKEEPING PAD. SEE SHEET C3.00 FOR ADDITIONAL

#### **STRIPING AND SIGNAGE NOTES:**

INFORMATION.

GENERAL STRIPING AND SIGNAGE NOTES:

- \*\*\*ALL STANDARD ON-SITE PAINTED STRIPING SHALL BE FAST DRYING "TRAFFIC LINE PAINT" CONFORMING TO THE 2021 STATE OF OREGON APWA / ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION. ALL STRIPING SHALL BE APPLIED TWICE.
- \*\*\*ALL STRIPING, SIGNS, LETTERS, AND ARROWS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD).
- \*\*\*ALL ACCESSIBLE PARKING STRIPING AND SIGNAGE SHALL COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
- \*\*\*PROVIDE SUBMITTALS FOR ALL SIGNS AND PARKING BUMPERS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

#### ---STRIPING NOTES

PAINT 4" SOLID WHITE STRIPING ANGLED AT 90° FROM PARALLEL, TYPICAL.

- 2. PAINT 4" SOLID WHITE STRIPING ROTATED AT 36° FROM PARALLEL SPACED 2' ON CENTER, TYPICAL.
- 3. PAINT BLUE AND WHITE ACCESSIBLE SYMBOL IN PARKING SPACES AS SHOWN PER CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN (1 TOTAL) SIMILAR TO DETAIL 1 ON C4.00.

- <u>SIGNAGE NOTES</u>

1"=30'

- FURNISH ACCESSIBLE PARKING SIGN WITH 'VAN ACCESSIBLE' DESIGNATION (MUTCD 'R7-8P') (1 TOTAL) SIMILAR TO DETAIL 1 ON SHEET C4.00.
- 2. FURNISH ACCESSIBLE PARKING 'ACCESS AISLE NO PARKING' SIGN WITH INDICATOR SIGN AS APPLICABLE (1 TOTAL) SIMILAR TO DETAIL 1 ON SHEET C4.00.
- 3. FURNISH 'BARCO PREMIUM BLUE WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (1 TOTAL).
- 4. FURNISH 'BARCO PREMIUM YELLOW WHEELSTOP' OR APPROVED EQUAL INSTALLED PER MANUFACTURER INSTALLATION INSTRUCTIONS, TYPICAL (11 TOTAL).
- 5. FURNISH 'AREA OF REFUGE' SIGN (1 TOTAL).



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BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

#### **BANDON SCHOOL DISTRICT NEW BUS** BARN

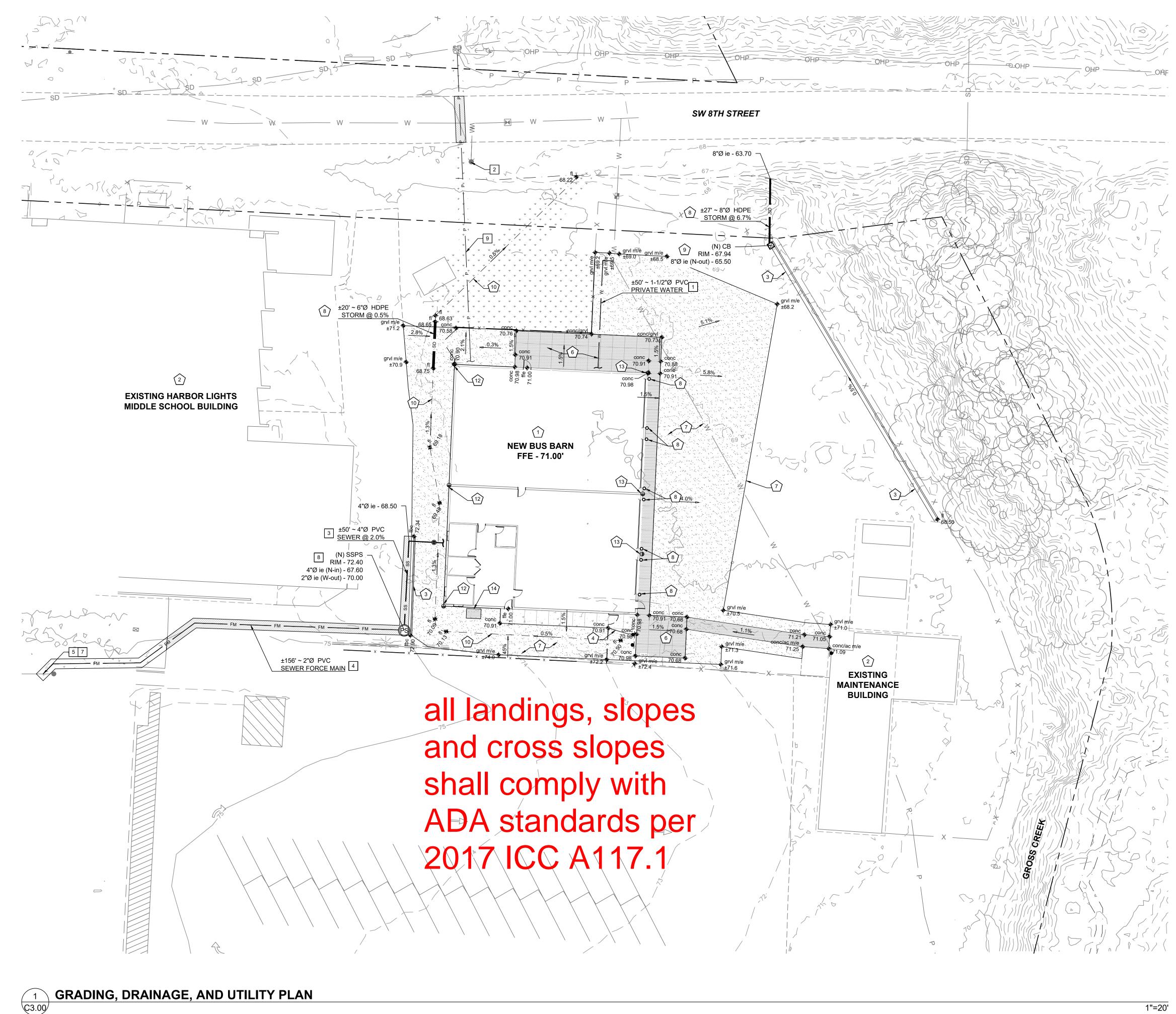


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REVISION ID:	DATE:

PROJECT NO:	G-1533-22	
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CIVIL SITE, STRIPIN SIGNAGI	FENCING, G, AND E PLAN	

C2.00



#### **GRADING AND DRAINAGE NOTES:**

- <u>GENERAL DRAINAGE NOTES:</u> \*\*\* ALL STORM AREA DRAINS AND CATCH BASINS SHALL HAVE A MINIMUM 24" SUMP BELOW THE OUTLET INVERT ELEVATION AND BE EQUIPPED WITH A HOOD AND TRAP.
- \*\*\* UPON MOBILIZATION CONTRACTOR SHALL POTHOLE TO VERIFY VERTICAL AND HORIZONTAL ALIGNMENT, SIZE, AND MATERIAL OF EXISTING PIPES/STRUCTURES FOR TIE-IN PURPOSES. REPORT TO ENGINEER IN EVENT OF DISCREPANCY.
- \*\*\* PROVIDE SUBMITTALS TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

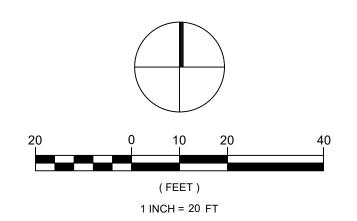
#### SITE CONSTRUCTION NOTES:

- VERIFY LIMITS OF BUILDING FOOTPRINT WITH ARCHITECTURAL AND STRUCTURAL PLANS PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IN THE EVENT OF DISCREPANCIES.
- 2. EXISTING BUILDING. NO WORK IN THIS AREA.
- 3. CONSTRUCT TYPE 'A' CONCRETE CURB AND GUTTER PER DETAIL 3 ON SHEET C4.00.
- 4. CONSTRUCT NEW 4" THICK UN-REINFORCED CONCRETE SIDEWALK PER DETAIL 2 AND 4 ON SHEET C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
- 5. NOT USED.
- 6. CONSTRUCT NEW 6" THICK REINFORCED CONCRETE PAVEMENT PER DETAIL 9 ON C4.00. SCORING PATTERN APPROXIMATELY AS SHOWN.
- 7. KEY IN NEW GRAVEL PAVEMENT SECTION. MINIMUM SECTION CONSISTS OF 8" OF 3/4" MINUS OVER EXISTING GRAVEL. MINIMUM 3" DEPTH OF REMOVAL AND REPLACEMENT OF GRAVEL PAVEMENT.
- 8. CONSTRUCT NEW BOLLARD IN APPROXIMATE LOCATION SHOWN PER DETAIL 10 ON SHEET C4.00. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION. BUILDING FOUNDATION IS DESIGN BUILD, CONTRACTOR TO COORDINATE ANY CONFLICT BETWEEN BOLLARD FOOTING AND BUILDING FOUNDATION WITH STRUCTURAL ENGINEER.
- DRAINAGE CONSTRUCTION NOTES 9. INSTALL STORM PIPE IN TRENCH PER DETAIL 5 ON SHEET C4.00. STORM PIPE SHALL DRAIN TO EXISTING BIOSWALE.
- 10. CONSTRUCT 24" SQUARE CONCRETE CATCH BASIN WITH H-20 LOAD RATED FRAME AND BICYCLE PROOF GRATE PER DETAIL 8 ON SHEET C4.00.
- 11. NEW CONVEYANCE DITCH TO CONNECT TO EXISTING SWALE IN RIGHT-OF-WAY. DITCH SURFACING PER PLAN.
- 12. CONSTRUCT ROOF DRAIN WITH SPLASH BLOCK. VERIFY LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- 13. CONSTRUCT ROOF DRAIN TO GRADE. VERIFY LOCATION WITH ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
- 14. NEW CONCRETE HOUSEKEEPING PAD PER DETAIL 9 ON SHEET C4.00.

#### - UTILITY NOTES:

- 1. INSTALL 1-1/2"Ø ASTM D1785 SCHEDULE 40 PVC DOMESTIC WATER LINE FROM EXISTING WATER SERVICE TO NEW BUS BARN AT ALIGNMENT SHOWN ON PLAN IN TRENCH SIMILAR DETAIL 5 ON SHEET C4.00.
- 2. EXISTING FIRE HYDRANT TO REMAIN.
- SANITARY SEWER
- 3. INSTALL NEW ASTM D3034 DR35 'PVC' GRAVITY SANITARY SEWER SERVICE WITH TRACER WIRE AND LOCATE TAPE IN TRENCH SIMILAR TO DETAIL 5 ON SHEET C4.00.
- 4. CONSTRUCT NEW 2"Ø ASTM D1785 SCHEDULE 40 PVC PRESSURE-RATED SANITARY SEWER GRINDER PUMP DISCHARGE LINE WITH TRACER WIRE AND LOCATE TAPE IN TRENCH SIMILAR TO DETAIL 5 ON SHEET C4.00. ENSURE NO HIGH POINTS OR LOW POINTS ARE CONSTRUCTED BETWEEN THE PUMP DISCHARGE AND THE CHECK VALVE.
- 5. FURNISH CLEANOUT RISER TO GRADE WITH WORD 'SEWER' CAST INTO LID PER DETAIL 7 ON SHEET C4.00.
- 6. CONNECT TO EXISTING 6"Ø SANITARY SEWER IN APPROXIMATE LOCATION SHOWN PER DETAIL 11 ON SHEET C4.00.
- 7. FURNISH NEW SANITARY SEWER PUMP STATION. DESIGN PER SUPPLIER.

POWER AND DATA/COMMUNICATIONS: 8. INSTALL PRIMARY POWER CONDUIT FROM EXISTING TRANSFORMER TO BUILDING IN TRENCH SIMILAR TO DETAIL 6 ON SHEET C4.00.





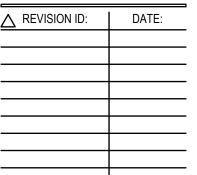
127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3865

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

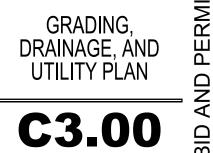
#### **BANDON SCHOOL DISTRICT NEW BUS** BARN



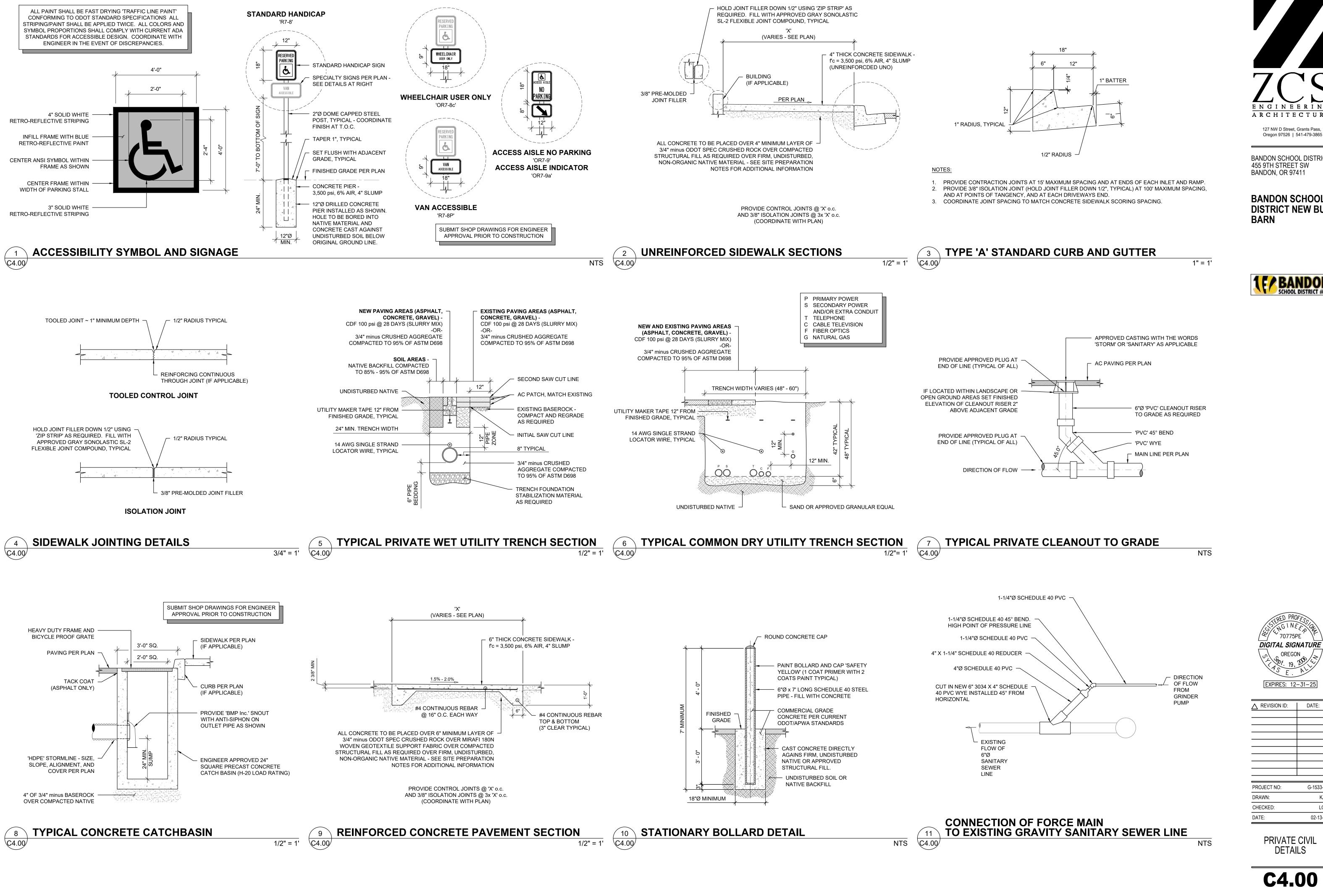




PROJECT NO:	G-1533-22
DRAWN:	KAK
CHECKED:	LGG
DATE:	02-13-24



1"=20'



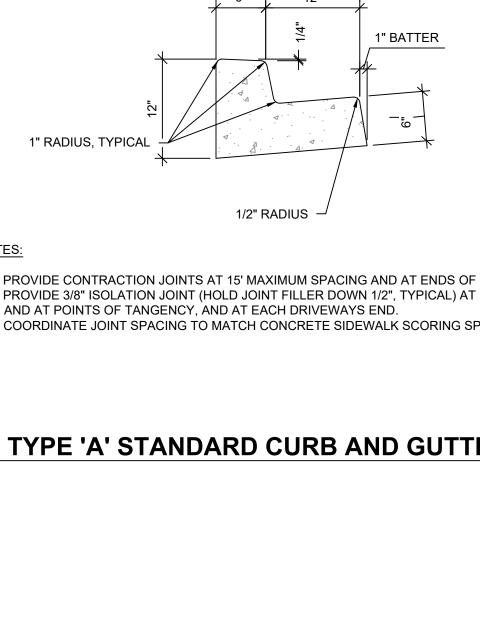
Page 14 of 31

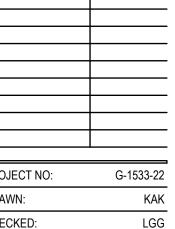


127 NW D Street, Grants Pass, Oregon 97526 | 541-479-3865

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

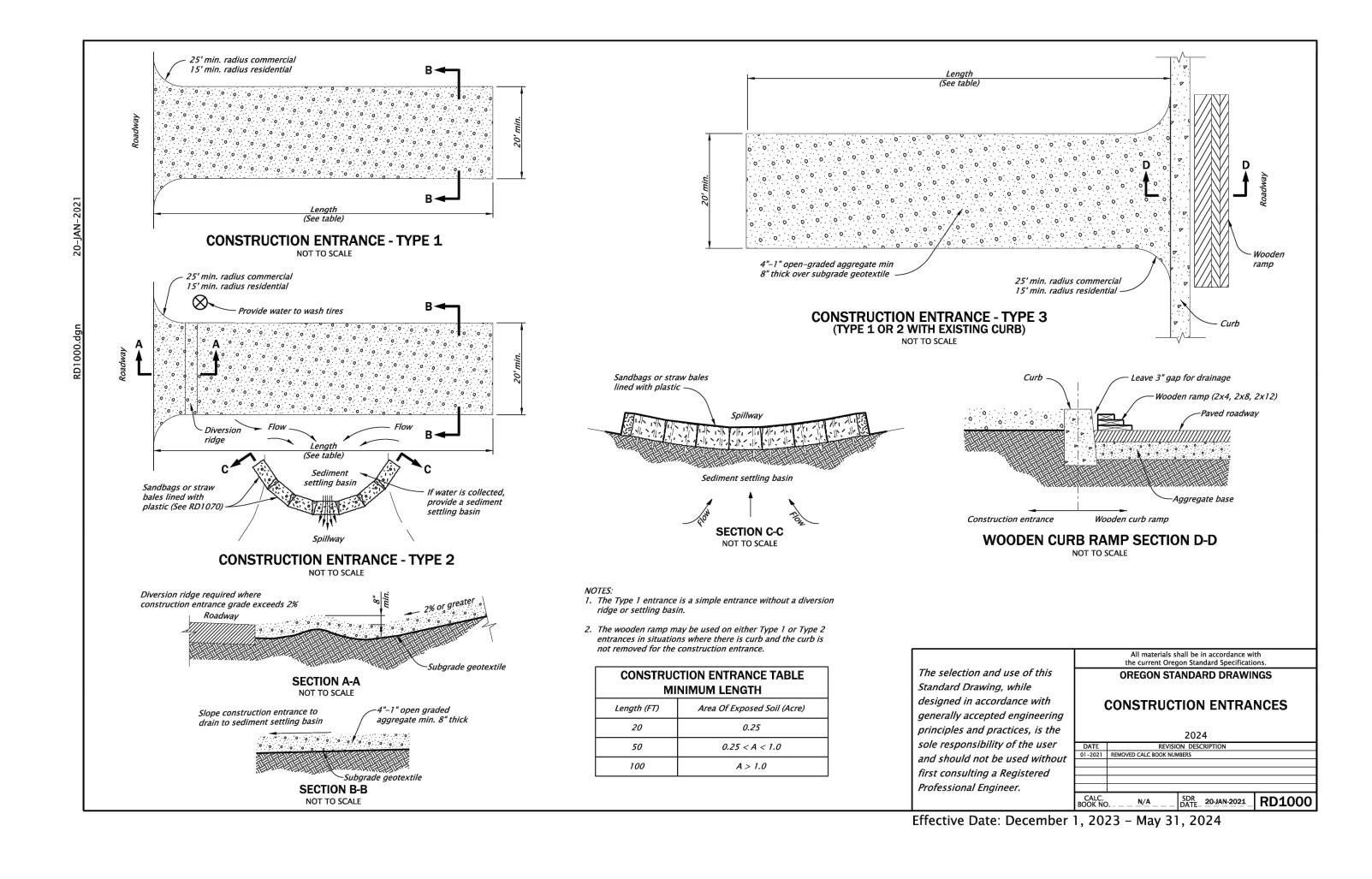


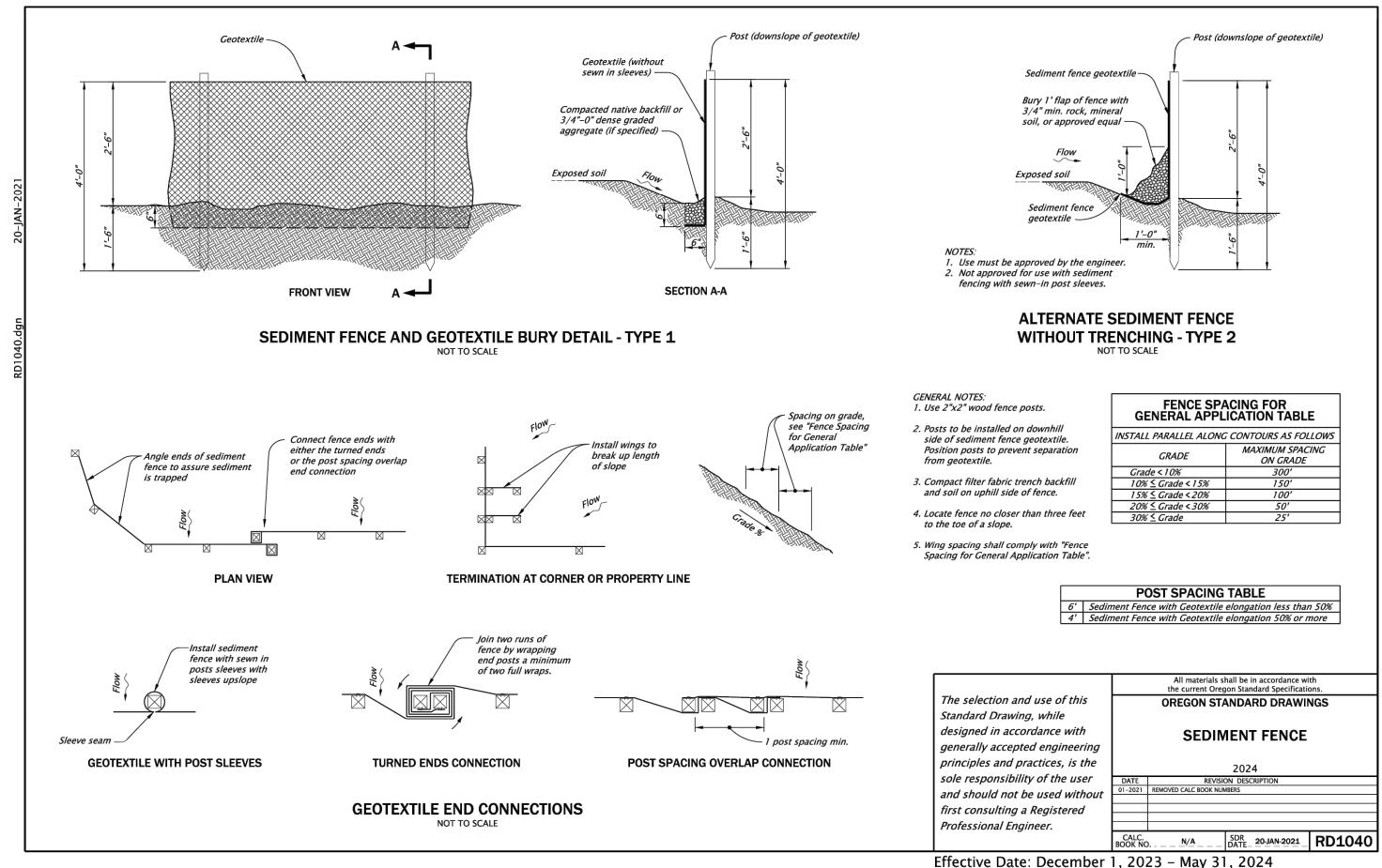


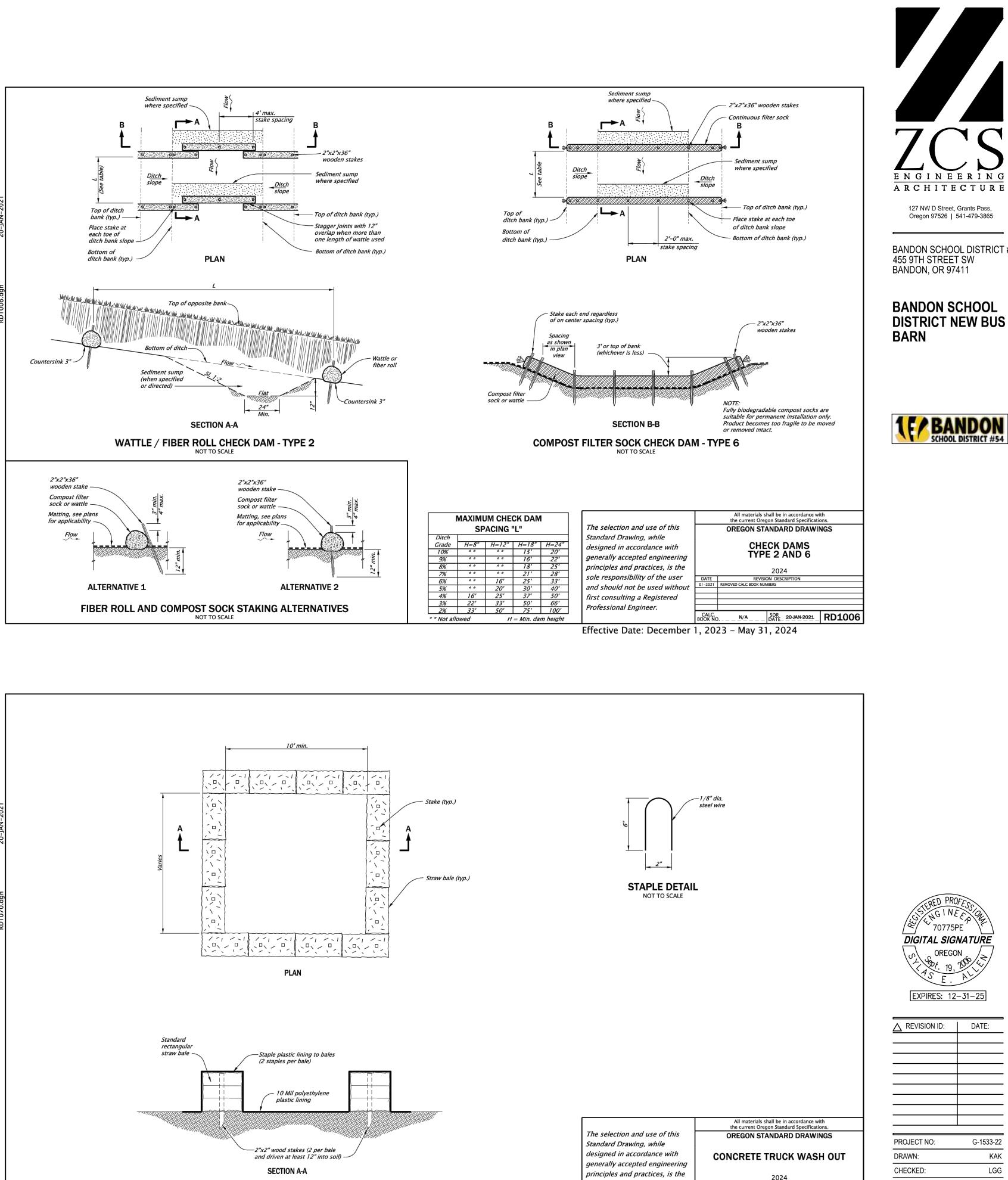


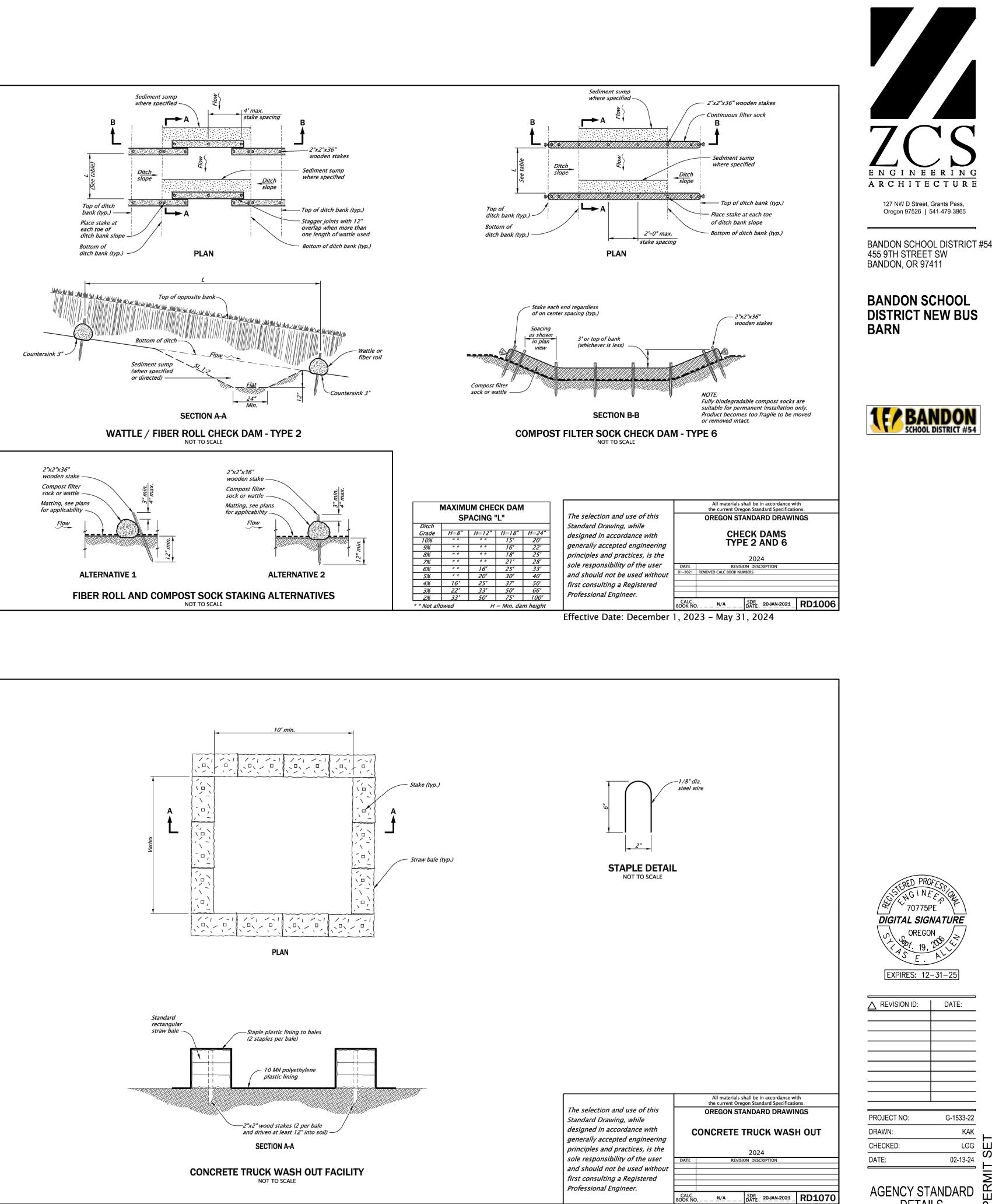












Effective Date: December 1, 2023 – May 31, 2024

**BANDON SCHOOL DISTRICT #54** 

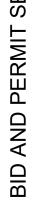
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EXPIRES: 12-31-25

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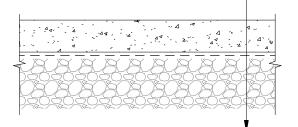
PROJECT NO:	G-1533-22	
DRAWN:	KAK	_
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DETAILS

**C5.00** 



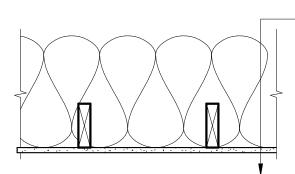
SCALE: 1" = 1'-0" F1 CONCRETE SLAB



-EXTERIOR-6" REINF. CONCRETE SLAB BY OTHERS 15 MIL VAPOR BARRIER AGGREGATE BASE BY OTHERS

### CEILING ASSEMBLIES

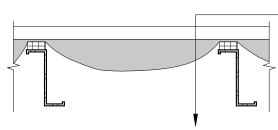
SCALE: 1" = 1'-0" C1 CEILING



-R-49 BATT INSULATION 2x6 JOISTS @ 24" O.C. 5/8" GYP BD - LEVEL 4 FINISH - PAINTED

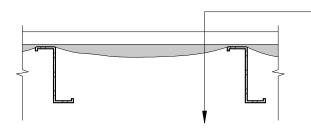
#### **ROOF ASSEMBLIES**

SCALE: 1" = 1'-0" **R1 METAL ROOFING** 



-EXTERIOR-STANDING SEAM METAL ROOFING 8" Z-PURLINS w/ R-3 MIN. THERMAL BLOCKS R-19 VINYL FACED BLANKET INSULATION -INTERIOR-

R2 METAL ROOFING



-EXTERIOR-STANDING SEAM METAL ROOFING 2" VINYL FACED CONDENSATION BLANKET 8" Z-PURLINS -INTERIOR-

### WALL TYPE LEGEND

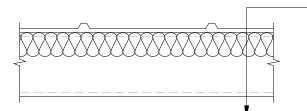
#### SCALE: 1" = 1'-0"

- GENERAL WALL TYPE NOTES: A. PROVIDE BLOCKING AS REQUIRED TO SECURE WALL HUNG COMPONENTS.
- B. EXTEND ALL COMPONENTS TO UNDERSIDE OF DECK, U.N.O. C. PROVIDE "GREEN BOARD" IN ALL WET LOCATIONS ADJACENT TO
- PLUMBING FIXTURES D. FOR FIRE RATED ASSEMBLIES REFER TO GA OR UL FILE NO. LISTED FOR
- ADDITIONAL INFORMATION.
- E. FOR FIRE RATED WALLS CONTAINING PLYWOOD, INCREASE THE LENGTH OF THE FASTENERS SPECIFIED IN THE DAS FILE NO. BY NOT LESS THAN THE THICKNESS OF THE PLYWOOD.

**KEYNOTES**:

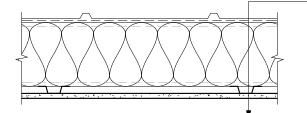
1. PROVIDE FRP1 UP TO 48" A.F.F. ON RESTROOM SIDE 2. PROVIDE FRP2 UP TO 96" A.F.F. ON ROOM #106 SIDE

W1 EXTERIOR WALL



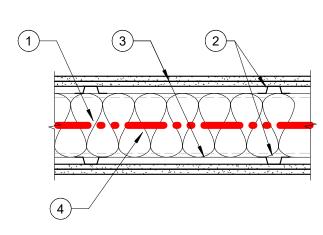
-EXTERIOR-PRE-FINISHED METAL WALL PANEL 2" VINYL FACED CONDENSATION BLANKET INSULATION 8" Z-GIRT -INTERIOR-

W2 EXTERIOR WALL



-EXTERIOR-PRE-FINISHED METAL WALL PANEL WEATHER BARRIER R-25 SINGLE LAYER IN CAVITY INSULATION 8" Z-GIRT w/ THERMAL BREAK STRIP ON EXTERIOR FACE 7/8" HAT CHANNEL (30 MIL) @ 24" O.C. 5/8" GYP - LEVEL 4 FINISH - PAINTED -INTERIOR-

W3 INTERIOR WALL - 2-HOUR FIRE BARRIER UL DESIGN NO. V421



**IOTE:** each membrane aver of 2 hr assembly shall be inspected and approved before next layer is applied. Grid 3

1. GIRTS - "Z" OR "C" SHAPED GIRTS, 0.056 TO 0.120 THICK STEEL, 6" TO 12" DEEP, w/ 2" TO 4" WIDE FLANGES. GIRTS PLACED HORIZONTALLY (WITH FLANGES UP OR DOWN) AND SPACED MAX. 48" O.C. GIRTS ARE SECURED TO COLUMNS OR TO ADJACENT STEEL FRAMING w/ GIRT CLIPS OR BOLTED TO THE COLUMN THROUGH THE GIRT FLANGE.

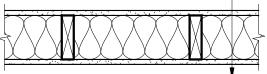
2. FURRING CHANNELS - HAT SHAPED, MINIMUM 25 MSG GALV. STEEL, APPROXIMATELY 2 5/8" WIDE, 7/8" DEEP, SPACED 24" O.C. INSTALLED PERPENDICULAR TO GIRTS ON BOTH SIDES OF THE WALL. CHANNELS ARE SECURED TO EACH GIRT w/ 3/8" (MIN.) LONG SELF-DRILLING PAN HEAD SHEET STEEL TYPE SCREWS. TWO SCREWS ARE USED AT EACH FASTENING LOCATION, ONE THROUGH EACH LEG OF THE FURRING CHANNEL.

3. GYPSUM BOARD - 5/8" THICK x 48" WIDE TYPE X GYPSUM BOARD APPLIED HORIZONTALLY OR VERTICALLY. FIRST LAYER ATTACHED TO FURRING CHANNELS USING 1" LONG TYPE S BUGLE HEAD GYPSUM BOARD SCREWS SPACED 24" O.C. VERTICALLY AND HORIZONTALLY. SECOND LAYER ATTACHED TO FURRING CHANNELS USING 1 5/8" LONG TYPE S BUGLE HEAD GYPSUM BOARD SCREWS SPACED 12" O.C. VERTICALLY AND 24" O.C. HORIZONTALLY

4. R-25 BATT INSULATION

2x6 STUDS @ 16" O.C. R-21 BATT INSULATION

W4 INTERIOR WALL



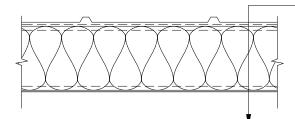


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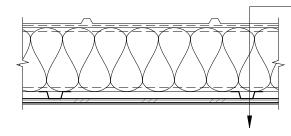
-5/8" GYP - LEVEL 4 FINISH - PAINTED 2x4 STUDS @ 16" O.C. SOUND BATT INSULATION 5/8" GYP BD - LEVEL 4 FINISH - PAINTED

W6 EXTERIOR WALL

W5 INTERIOR WALL



W7 EXTERIOR WALL



-EXTERIOR-PRE-FINISHED METAL WALL PANEL

**AIR BARRIER** R-25 SINGLE LAYER IN CAVITY INSULATION 8" Z-GIRT w/ THERMAL BREAK STRIP ON EXTERIOR FACE WHITE VINYL LINER FABRIC -INTERIOR-

-EXTERIOR-PRE-FINISHED METAL WALL PANEL

AIR BARRIER

R-25 SINGLE LAYER IN CAVITY INSULATION 8" Z-GIRT w/ THERMAL BREAK STRIP ON EXTERIOR FACE 7/8" HAT CHANNEL @ 24" O.C. 1/2" PLYWOOD UP TO 8'-0" A.F.F.

WHITE VINYL LINER FABRIC ABOVE PLYWOOD -INTERIOR-



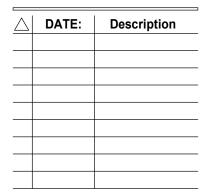
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BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

**BANDON SCHOOL** DISTRICT NEW BUS BARN



EXPIRES: 06-30-26



PROJECT NO.	G-1533-22	
DRAWN:	LJS	_
CHECKED:	DDS	Ш
DATE:	02-13-2024	S

### ASSEMBLIES

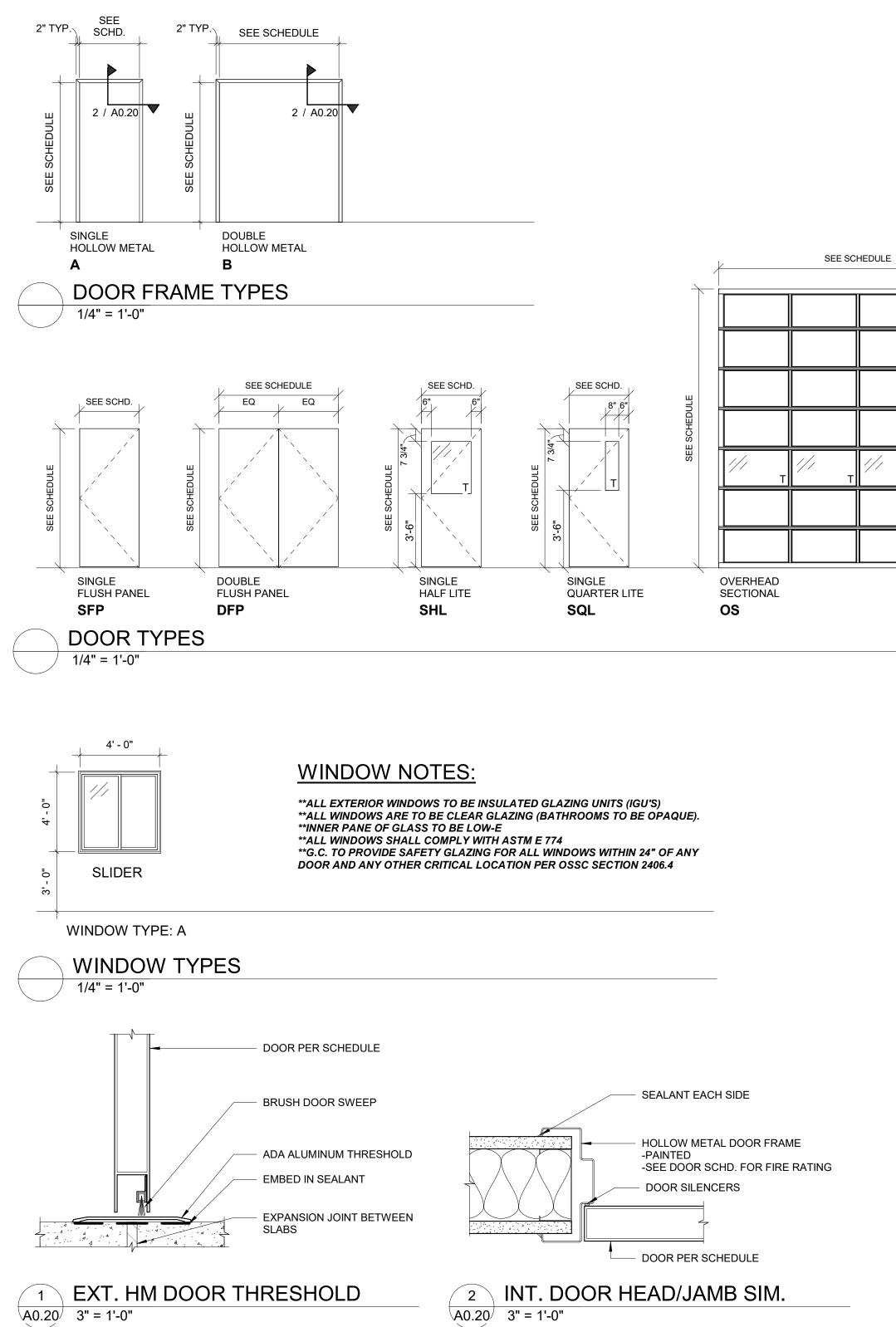


-5/8" GYP - LEVEL 4 FINISH - PAINTED

5/8" GYP BD - LEVEL 4 FINISH - PAINTED

### DOOR FRAME AND HARDWARE SCHEDULE

				<b>     \</b>		AINL				301					
ER			DOOR					FI			FRAME			HARDWARE	
ABI				SIZE											
DOOR NUMBER	ROOM NUMBER	ROOM NAME	w	н	т	MTL	TYPE	GLAZE	NOTES	MTL	TYPE	NOTES	FIRE RATING	GROUP	NOTES
101A	101	COMMON AREA	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SHL	3/4" IGU	1, 2	HM	А	1, 2	-	1	-
101B	101	COMMON AREA	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SHL	1/4"	1, 2	HM	A	1, 2	-	2	-
101C	101	COMMON AREA	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SQL	1/4"	1, 2	HM	А	1, 2	-	3	-
102	102	OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SQL	1/4"	2	HM	А	2	-	4	-
103	103	STORAGE	6' - 0"	7' - 0"	0' - 1 3/4"	HM	SFP	-	2	HM	В	2	-	5	-
104	104	OFFICE	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SQL	1/4"	2	HM	А	2	-	4	-
105	105	RR	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SFP	-	2	HM	А	2	-	6	-
106A	106	BUS BARN	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SQL	3/4" IGU	1, 2	HM	А	1, 2	-	7	-
106B	106	BUS BARN	14' - 0"	14' - 0"	0' - 2 1/8"	STL	OS	(1) ROW	1, 2	-	-	-	-	8	-
106C	106	BUS BARN	20' - 0"	14' - 0"	0' - 2 1/8"	STL	OS	(1) ROW	1, 2	-	-	-	-	8	-
106D	106	BUS BARN	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SFP	-	1, 2	HM	A	1, 2	90 MINUTES	9	-
107A	107	BUS BARN	20' - 0"	14' - 0"	0' - 2 1/8"	STL	OS	(1) ROW	2	-	-	-	-	8	-
107B	107	BUS BARN	20' - 0"	14' - 0"	0' - 2 1/8"	STL	OS	(1) ROW	2	-	-	-	-	8	-
107C	107	BUS BARN	3' - 0"	7' - 0"	0' - 1 3/4"	HM	SQL	3/4" IGU	2	HM	А	2	-	7	-



### DOOR, FRAME AND HARDWARE GENERAL NOTESA.ALL RATED ASSEMBLIES ARE REQUIRED TO HAVE

- THE ASSEMBLY (DOOR, FRAME AND HARDWARE) MEET THE DESIGNATED FIRE RATING AS NOTED IN THE DOOR SCHEDULE AND CODE PLANS.
  - ALL CLOSERS TO COMPLY WITH ANSI A117.1-2017, SECTION 404.2.
- CONTRACTOR TO VERIFY ALL ROUGH OPENING SIZES WITH DOOR MANUFACTURER.
- SEE FLOOR PLANS FOR DOOR SWING. D. PROVIDE SAFETY GLAZING IN ALL DOORS AND
- SIDELIGHTS WITH GLAZING.

В.

C.

PROVIDE SHOP DRAWINGS FOR ARCH. REVIEW AND APPROVAL.

#### ABBREVIATIONS

HM WELDED HOLLOW METAL STL STEEL T TEMPERED

#### DOOR NOTES

INSULATE 2. PAINT DOOR PT2 PER FINISH SCHD.

#### FRAME NOTES

1. INSULATE 2. PAINT FRAME PT2 PER FINISH SCHD.

#### HARDWARE NOTES

1. NONE

#### HARDWARE MANUFACTURERS SPECIFIED

BUTTS LOCKS CLOSERS KICKPLATES STOPS OVERHEAD STOPS	STANLEY SCHLAGE LCN IVES IVES GLYNN JOHNSON
THRESHOLDS	NATIONAL GUARD
SWEEPS GASKET	NATIONAL GUARD
SILENCER	IVES

		 T
т	/// т	

### <u>GROUP 1</u> DOOR: 101A

QTY	ITEM	FINISH
3 EA	BUTTS FBB199 4.5 X 4.5	630
1 EA	LOCKSET L9453P 06A 09-509 X L583-363	626
1 EA	CLOSER 4011 REG	ALUM
1 EA	WALLSTOP WS406/407CCV	630
1 EA	KICKPLATE 8400 10X2LDW	630
1 EA	THRESHOLD 713	ALUM
1 EA	DOOR SWEEP 200 NA	ALUM
1 SET	GASKET PS074	BLK

MFR

LCN

IVES

IVES NGP

NGP

**MFR** STANLEY

SCHLAGE

LCN IVES

IVES NGP

NGP

MFR STANLEY SCHLAGE

LCN IVES

MFR STANLEY

LCN IVES

NGP NGP

MFR

IVES

STANLEY SCHLAGE LCN

STEELCRAFT

SCHLAGE

STEELCRAFT

STEELCRAFT

STEELCRAFT

STEELCRAFT

STANLEY

SCHLAGE

### GROUP 2 DOOR: 101B

QTY	ITEM	FINISH
3 EA	BUTTS FBB191 4.5 X 4.5	630
1 EA	PASSAGE L9010 06	626
1 EA	CLOSER 4111 EDA	ALUM
1 EA	WALLSTOP WS406/407CCV	630
1 EA	KICKPLATE 8400 10X2LDW	630
1 EA	THRESHOLD 713	ALUM
1 EA	DOOR SWEEP 200 NA	ALUM
1 SET	GASKET PS074	BLK

### GROUP 3 DOOR: 101C

ITEM	<b>FINISH</b>	MFR
BUTTS FBB191 4.5 X 4.5	630	STANLEY
PASSAGE L9010 06	626	SCHLAGE
CLOSER 4011 REG	ALUM	LCN
WALLSTOP WS406/407CCV	630	IVES
KICKPLATE 8400 10X2LDW	630	IVES
THRESHOLD 713	ALUM	NGP
DOOR SWEEP 200 NA	ALUM	NGP
DOOR SWEEP 200 NA	ALUM	NGP
GASKET PS074	BLK	STEELCRAFT
	BUTTS FBB191 4.5 X 4.5 PASSAGE L9010 06 CLOSER 4011 REG WALLSTOP WS406/407CCV KICKPLATE 8400 10X2LDW THRESHOLD 713 DOOR SWEEP 200 NA	BUTTS FBB191 4.5 X 4.5         630           PASSAGE L9010 06         626           CLOSER 4011 REG         ALUM           WALLSTOP WS406/407CCV         630           KICKPLATE 8400 10X2LDW         630           THRESHOLD 713         ALUM           DOOR SWEEP 200 NA         ALUM

### <u>GROUP 4</u> DOOR: 102, 104

3 EA         BUTTS F179 4.5 X 4.5         652         STANL           1 EA         LOCKSET L9050P 06A 09-509 X L583-363         626         SCHLA           1 EA         WALLSTOP WS406/407CCV         630         IVES           1 SET         GASKET PS074         BLK         STEFL	
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--

### GROUP 5 DOOR: 103

<b>QTY</b>	ITEM	<b>FINISH</b>	<b>MFR</b>
6 EA	BUTTS F179 4.5 X 4.5	652	STANLEY
1 EA	LOCKSET L9070P 06A	626	SCHLAGE
2 EA	FLUSHBOLT FB458	626	IVES
2 EA	SILENCER SR64	GREY	IVES

### GROUP 6 DOOR: 105

QTY	ITEM	FINISH
3 EA	BUTTS FBB179 4.5 X 4.5	652
1 EA	LOCKSET L9496P 06A 09-509 X L583-363	626
1 EA	CLOSER 4011 REG	ALUM
1 EA	KICKPLATE 8400 10X2LDW	630
1 SET	GASKET PS074	BLK

### <u>GROUP 7</u> DOOR: 106A, 107C

QTY	ITEM	FINISH
3 EA	BUTTS FBB199 4.5 X 4.5 NRP	630
1 EA	LOCKSET L9453P 06A 09-509 X L583-363	626
1 EA	CLOSER 4111 S CUSH	ALUM
1 EA	KICKPLATE 8400 10X2LDW	630
1 EA	THRESHOLD 713	ALUM
1 EA	DOOR SWEEP 200 NA	ALUM
1 SET	GASKET PS074	BLK

<u>GROUP 8</u> DOOR: 106B, 106C, 107A, 107B ALL HARDWARE BY DOOR SUPPLIER.

#### $\sim\sim\sim\sim$ { GROUP 9 } DOOR: 106D }

QTY	ITEM	FINISH	
3 EA	BUTTS FBB191 4.5 X 4.5	630	
1 EA	PASSAGE L9010 06A	626	
1 EA	CLOSER 4111 S CUSH	ALUM	
1 EA	KICKPLATE 8400 10X2LDW	630	
1 SET	GASKET PS074	BLK	



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BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

#### **BANDON SCHOOL** DISTRICT NEW BUS BARN





1 10-30-24 REVISION 1

PROJECT NO.	G-1533-22	
RAWN:	LJS	
HECKED:	DDS	SET
DATE:	02-13-2024	S
		MIT

DOOR & WINDOW SCHEDULES



				FLOOR FINISHES			
FINISH CODE	MATERIAL	LOCATION MANUFACTURER STYLE / COLOR PRODUCT NOTES INSTALLATION NOTES					
SC	SEALED CONCRETE	INTERIOR	-	CLEAR	SEE SPEC	WITH SLIP-RESISTANT TREATMENT	

				WALL BASE FINISHES		
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	SIZE / THICKNESS	INSTALLATION NOTES
RB1	RUBBER BASE	AS INDICATED ON FINISH PLANS	ROPPE	100 BLACK	6" x 1/8"	PROVIDE PREFORMED INSIDE & OUTSIDE CORNERS

	PAINT / WALL FINISHES							
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	FINISH SHEEN	INSTALLATION NOTES		
PT1	PAINT	WALLS AND CEILINGS	SHERWIN WILLIAMS	SNOWBOUND SW 7004	SEE FINISH NOTES	-		
PT2	PAINT	DOORS AND FRAMES	SHERWIN WILLIAMS	TBD	SEE FINISH NOTES	-		
FRP1	IBERGLASS REINFORCED PLASTIC	RESTROOM	CONSTRUCTION SPECIALTIES	FOG	-	FRP TO EXTEND 48" A.F.F., USE SCHLUTER METAL TRIM AT TOP OF PANEL		
FRP2	IBERGLASS REINFORCED PLASTIC	ROOM 106 & 107	CONSTRUCTION SPECIALTIES	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	-	FRP TO EXTEND 96" A.F.F., USE SCHLUTER METAL TRIM AT TOP OF PANEL		

			C	EILING FINISHES		
FINISH CODE MA	IATERIAL	LOCATION	MANUFACTURER	STYLE / COLOR	SIZE / NRC RATING	INSTALLATION NOTES
GYP G	GYPSUM	ROOMS 101 -105	CERTAINTEED	-	5/8" / NA	-
GYP G	JYPSUM	ROOMS 101 -105	CERTAINTEED	-	5/8" / NA	-

FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	PRODUCT NUMBER / STYLE / COLOR	PRODUCT DETAIL	INSTALLATION NOTES
PL1	PLASTIC LAMINATE	COMMON AREA	TBD	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PLAM COLORS PER MNF.	-	RUN GRAIN VERTICALLY
PL2	PLASTIC LAMINATE	COMMON AREA	TBD	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PLAM COLORS PER MNF.	-	HORIZONTAL SURFACE AND BACKSPLASH

	EXTERIOR SIDING						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	COLOR	INSTALLATION NOTES	
S1	METAL PANELS	EXTERIOR SIDING	PER PEMB	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PROFILES PER MNF.	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	INSTAL PER MFR. INSTRUCTIONS	

	ROOFING						
FINISH CODE	MATERIAL	LOCATION	MANUFACTURER	STYLE / FINISH	COLOR	INSTALLATION NOTES	
SSR	STANDING SEAM	ROOF	PER PEMB	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF PROFILES PER MNF.	G.C. TO PROVIDE ARCHITECT & OWNER w/ A FULL LINE OF COLORS PER MNF.	INSTAL PER MFR. INSTRUCTIONS	

			MI	SCELLANEOUS FINISHES			
FINISH CODE	MATERIAL	LOCATION MANUFACTURER STYLE / FINISH SIZE / THICKNESS INSTALLATION NOTES					
CG1	ALUMINUM CORNER GUARD	SEE ENLARGED OFFICE PLAN	CS ACROVYN - CONSTRUCTION SYSTEMS	CO-8 - 16 GA - #4 SATIN FINISH	3.5" LEGS	ADHESIVE ATTACHEMENT	

	LUMINAIRE SCHEDULE										
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	MFG/CATALOG #	INPUT WATTS	VOLTAGE	DRIVER/POWE R SUPPLY	LUMENS	COLOR TEMPERATURE	LIGHTING CONTROLS	NOTES
L1	VANITY LIGHT	WALL MOUNT	LITHONIA	FMVCSL 24IN MVOLT 30K 90CRI BN M6	18W	120V	BY CONTRACTOR	1300	3000K	DIMMING TO 10%	4
L2	LED LINEAR	SURFACE MOUNT	LITHONIA	SBL4 3000LM 80CRI 35K MIN10 ZT MVOLT	36W	120-277V	BY CONTRACTOR	3000	3500K	DIMMING TO 10%	4
L3	LED LINEAR	SUSPENDED	LA LIGHTING	STW100-4-4L-FRWA-DRDM-UNV-1/840/ CMC-STW100/V4CS10	26W	120-277V	BY CONTRACTOR	4000	4000K	DIMMING TO 10%	3, 4
L4	LED WALL PACK	EXTERIOR WALL MOUNT	LITHONIA	TWX1 LED P1 30K MVOLT PE DBLXD	10W	120-277V	BY CONTRACTOR	1600	3000K	DAY LIGHT SENSOR	4
EF	EXHAUST FAN / LED COMBO	RECESSED	BROAN	RB8OL1	18W	120	BY CONTRACTOR	-	-	-	2, 4
X1	LED EXIT SIGN	SURFACE	LITHONIA	EXRG EL M6	1W	120-277V	-	-	-	-	1, 4

NOTE: 1. DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATABLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN IN DRAWINGS. 2. PROVIDE +/- 12" ADJUSTABLILITY IN AIRCRAFT CABLE LENGTH WHERE USED.

 PROVIDE #/- 12 ADJOSTABLICITY IN AIRCRAFT CABLE LENGTH WHERE USED.
 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRS. COORDINATE INSTALLATION WITH REFLECTED CEILING PLANS.
 SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
 PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIR, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED.
 REMOVE BALLAST/DRIVERS: UL ISTED FOR THEIR APPLICATION. BALLAST ADDREADED AND SECONDATE UNDER TO COMPARE DUDINOUS DESUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER. 7. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH OREGON STATE LIGHTING COMMISSIONING REQUIREMENTS. 8. PROVIDE OCCUPANCY SENSORS TO ALL ROOMS AS REQUIRED BY ASHRAE STANDARD 90.1-2019

 LUMINAIRE SCHEDULE NOTES

 1.
 INCLUDES BATTERY BACKUP

EXHAUST FAN SHALL BE ENERGY STAR CERTIFIED AND OPERATIONAL AT

50CFM CONTINUOUS WHILE OCCUPIED OR 70CFM INTERMITTENTLY

SUSPEND LIGHT FIXTURE TO 16'-0" A.F.F., ADJUST HEIGHT IF NECESSARY

PROVIDE OCCUPANCY SENSORS. 4.



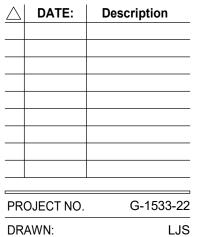
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**BANDON SCHOOL DISTRICT NEW BUS** BARN



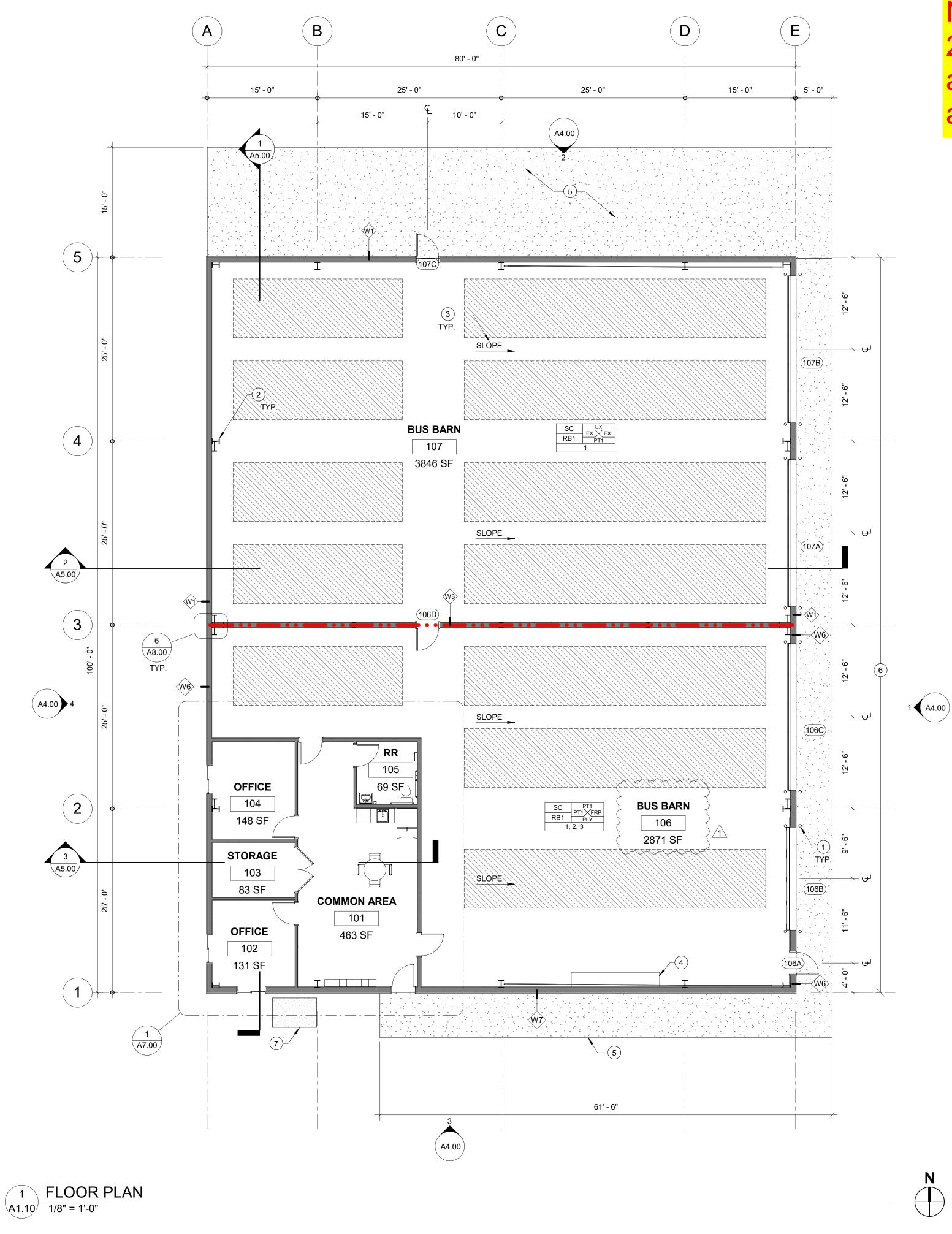




CHECKED: DATE:

> FINISH SCHEDULES





NOTE: each membrane layer of 2 hr assembly shall be inspected and approved before next layer is applied. Grid 3

XX ХХ 

FLO SC BAS RB# WAL PT# GYF ΕX

 $\mathbf{T}$ 

#### **GENERAL NOTES**

- VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.
- G.C. SHALL COORDINATE ALL INTERIOR AND EXTERIOR FINISHES W/ OWNER PRIOR TO в CONSTRUCTION.
- G.C. SHALL PROVIDE SAFETY GLAZING FOR ALL WINDOWS WITHIN 24" OF ANY DOOR AND ALL OTHER CRITICAL LOCATIONS AS STATED PER OSSC SECTION 2406.4.
- G.C. TO PROVIDE FIRE BLOCKING AS REQUIRED D. PER CODE.
- G.C. SHALL PROVIDE ALL APPROPRIATE BACKING AS REQUIRED FOR ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.
- G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.
- G. ALL ELECTRICAL, MECHANICAL AND PLUMBING TO BE DESIGN BUILD PER APPLICABLE CODES.
- H. ALL DIMENSION LINES TO THE FACE OF FRAMING, U.N.O.

### PLAN LEGEND

#### WALL / PARTITION

2-HOUR FIRE BARRIER

AREA OF VEHICLE CLEARANCE

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**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

#### **BANDON SCHOOL DISTRICT NEW BUS** BARN

BANDON SCHOOL DISTRICT #54

### FINISH LEGEND

# ME# ME# EX# Remarks	-FLOOR FINISH -WALL FINISHES -ADDITIONAL NOTES -BASE FINISH
PT#-/	EXTENT OF ACCENT PAINT OR WALL FINISHES
CG	LOCATION OF CORNER GUARDS
×	FINISH TAG

### **ROOM FINISH ABBREVIATIONS**

FLOORIN	G
SC	SEALED CONCRETE
BASE	
RB#	RUBBER BASE
WALLS	
PT# GYP EX VL	PAINT GYPSUM WALL BOARD EXPOSED METAL GIRTS VINYL LINER - WHITE

- **#** FLOOR PLAN KEYNOTES
- BOLLARDS, SEE CIVIL FOR EXTERIOR BOLLARDS. COORDINATE INTERIOR BOLLARDS WITH STRUCTURAL FOOTINGS
- PEMB FRAME/COLUMN
- SLOPE CONCRETE SLAB TO DOOR. FOUNDATION DESIGN BY OTHERS
- 4. WORKBENCH, OFCI
- EXTERIOR CONCRETE SIDEWALK, SEE CIVIL
- REINFORCED CONCRETE APRON, SEE CIVIL
- PROVIDE CONCRETE PAD FOR MINI-SPLIT OUTDOOR UNIT. SIZE AS REQUIRED FOR UNIT

### FINISH PLAN NOTES

- A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.
- B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.
- C. SEE ELEVATIONS FOR ADDITIONAL FINISHES.
- D. FOR CEILING HEIGHTS AND ADDITIONAL FINISHES SEE RCP'S.
- E. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.
- F. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- G. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.
- H. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. SEE TRANSITION CALL OUTS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.
- REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNER GUARD AT TOP OF WALL BASE AND EXTEND 48" AFF.
- J. ALL GYPSUM CEILING TO BE PAINTED PT1 U.N.O.
- K. ALL HOLLOW METAL DOORS AND FRAMES TO RECEIVE COLOR: PT2 U.N.O.
- L. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.
- M. ALL BASE CABINETS AND UPPER CABINETS ARE TO RECEIVE PLAM ON ALL EXPOSED EXTERIOR SURFACES AS INDICATED ON INTERIOR ELEVATIONS. ALL INTERIOR CONCEALED SURFACES TO RECEIVE WHITE MELAMINE. RUN WOOD GRAIN IN VERTICAL DIRECTIONS AND USE 0.020"THICK MATCHING VINYL EDGEBAND ON CABINET DOORS AND DRAWERS.
- N. ALL COUNTERTOPS ARE RECEIVE BACKSPLASHES TO MATCH. PROVIDE PAINTABLE SEALANT AT WALL.
- O. PAINT VISIBLE PORTION OF INSIDE OF DUCT WORK FLAT BLACK.
- P. PAINT SHEEN WALL: SATIN/EGG SHELL, CEILING: FLAT/MATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

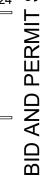
### ADDITIONAL NOTES

- 1. PROVIDE FRP2 UP TO 96" A.F.F. w/ RUBBER BASE AT PARTITION WALL AT GRID 3
- 2. PROVIDE FRP2 UP TO 96" A.F.F. w/ RUBBER BASE AT WOOD FRAMED PARTITION WALLS SEPARATING THE OFFICE SPACE
- 3. PROVIDE 1/2" PLYWOOD UP TO 96" A.F.F. ALONG SOUTH WALL AT GRID 1

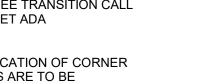


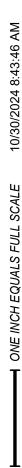
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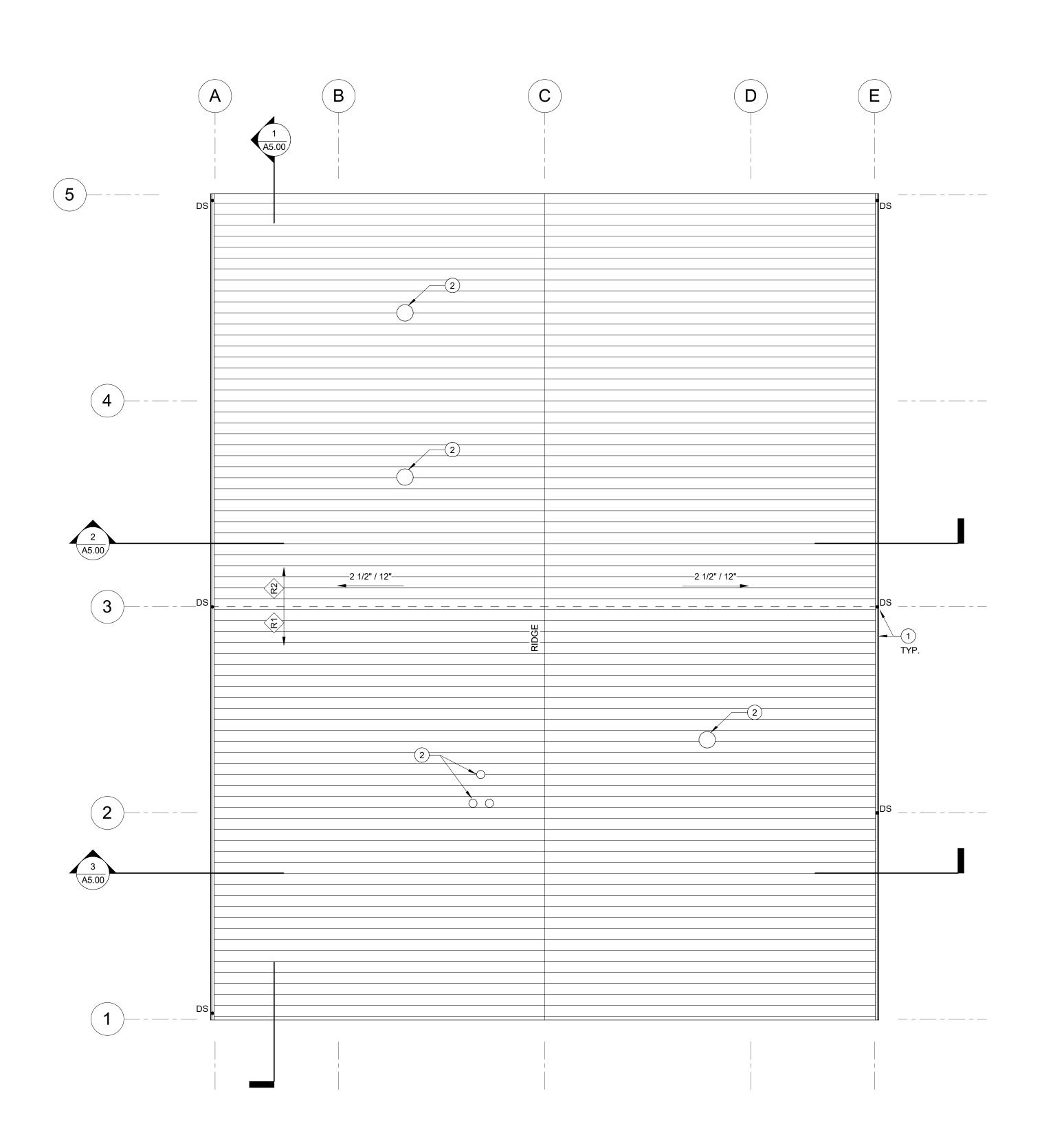
PROJECT NO.	G-1533-22
RAWN:	LJS
HECKED:	DDS
DATE:	02-13-2024











1 ROOF PLAN A1.20 1/8" = 1'-0"

#### ROOF PLAN GENERAL NOTES

- A. ALL WORK AND MATERIALS SHALL CONFORM TO ALL APPLICABLE STATE AND LOCAL REGULATIONS, STANDARDS AND MFR. SPECIFICATIONS AND THE 2022 OSSC. CONTACT ARCHITECT FOR DIRECTIVE IN THE EVENT OF CONFLICTING STANDARDS AND SPECS.
- B. VERIFY ALL DIMENSIONS, ELEVATIONS AND LOCATIONS PRIOR TO CONSTRUCTION. NOTIFY ARCHITECT OF RECORD OF ANY DISCREPANCIES. DIMENSIONS ON THIS PLAN ARE NOT SUITABLE FOR MATERIAL ORDERING USE. CONTRACTOR MUST FIELD VERIFY ALL DIMENSIONS PRIOR TO BIDDING AND ORDERING.
- C. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND MAINTENANCE OF ALL TEMPORARY ROOF ACCESS SYSTEMS. ALL SYSTEMS MUST COMPLY WITH OSHA.
- D. THE PROPER DISPOSAL OF ALL DEMOLITION MATERIALS AND DEBRIS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL MAKE EFFORTS TO RECYCLE AS MUCH DEMOLITION MATERIAL AS POSSIBLE.
- E. COORDINATE STAGING AND MATERIALS STORAGE AREA WITH DISTRICT PERSONNEL.
- F. SECURITY OF STORED MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR.
- G. NO PORTION OF THE ROOF SHALL BE LEFT UNPROTECTED AGAINST THE ELEMENTS BETWEEN CONTRACTOR SHIFTS.
- H. SEE PLAN SET AND/OR SPECIFICATIONS FOR MORE INFORMATION.

### ROOF SYMBOLS

- ROOF SLOPE
- •DS DOWNSPOUT LOCATION

### # ROOF PLAN KEYNOTES:

- 1. PRE-FINISHED GUTTER AND DOWNSPOUT BY PEMB
- 2. FLASH ANY PLUMBING AND EXHAUST VENTS PER PEMB MFR. DETAILS

### ROOF TYPE LEGEND



STANDING SEAM METAL ROOF PER PEMB MFR. ENTIRE ROOF STRUCTURE HAS BEEN DESIGNED FOR ADDITIONAL DEAD LOAD TO BE SOLAR-READY



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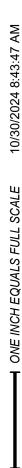
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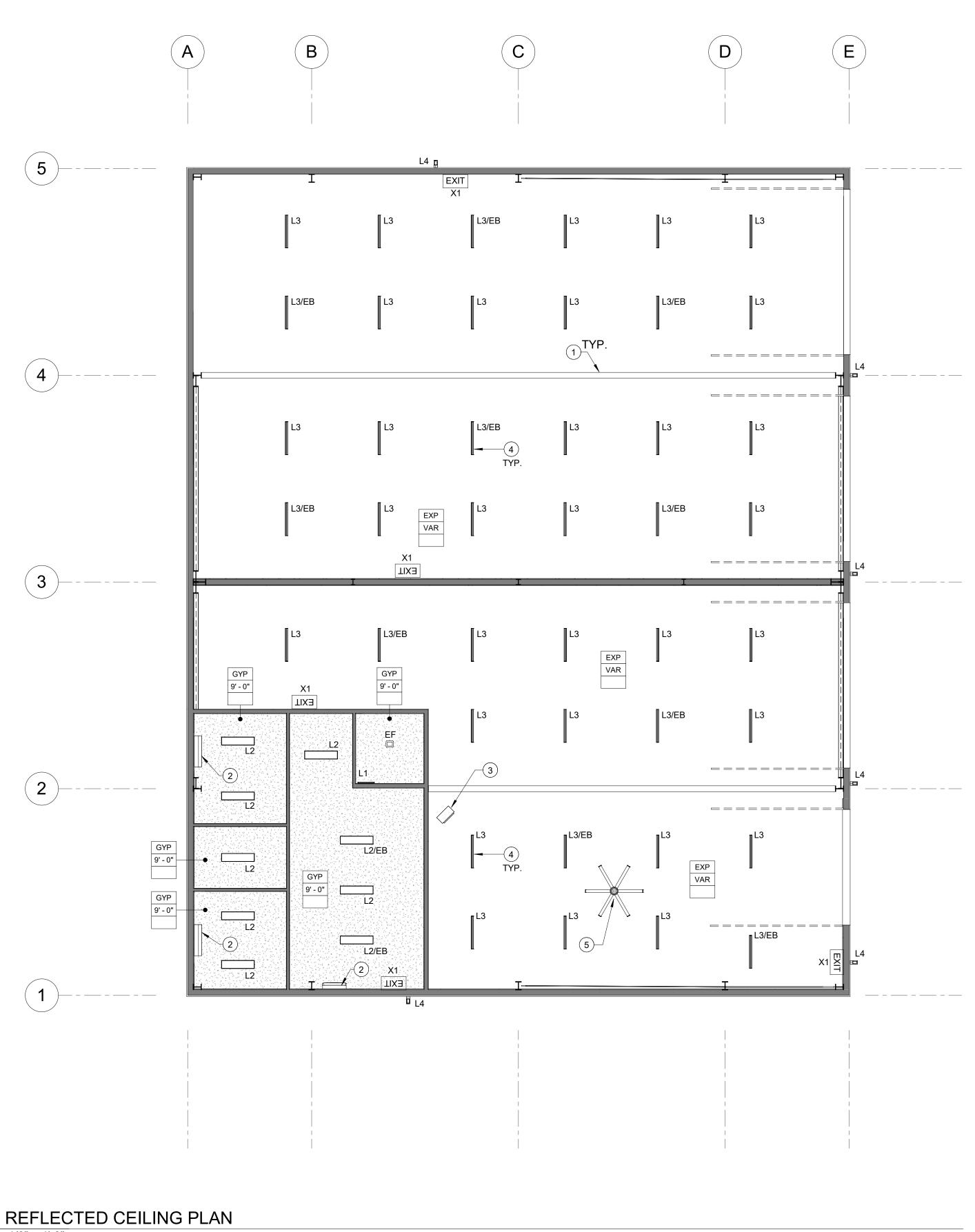


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HECKED:	DDS							
ATE:	02-13-2024							
ROOF PLAN								







### 1 REFLECTED CEILING PLAN

A2.10/ 1/8" = 1'-0"

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### PLAN GENERAL NOTES:

- A. REFER TO ARCHITECTURAL FLOOR PLAN FOR ADDITIONAL DIMENSIONS.
- REFER TO MECHANICAL DRAWINGS FOR В. MECHANICAL SPECIFICATIONS, DUCTWORK, DUCT PENETRATIONS, EXHAUST FAN REQUIREMENTS.
- C. ALL DIMENSIONS ARE REFERENCED TO FACE OF FINISH U.N.O.
- D. ALL HEIGHT REFERENCES ARE TAKEN FROM DATUM-T.O.S. FOR AREA INDICATED.
- PROVIDE WALL BACKING FOR REINFORCEMENT AS E. REQUIRED.
- PROVIDE SOLID BLOCKING FOR ALL 'J' BOXES F. SUSPENDED LIGHT AND CEILING FAN FIXTURES, TELEVISION SUPPORT, ARTIFACT SHELVES AND ANY OTHER CEILING MOUNTED EQUIPMENT.
- ALL LIGHT FIXTURE TRIM RINGS, EXPOSED G. CONDUITS, 'J' BOXES, HVAC GRILLS, EMERGENCY LIGHT FIXTURES, DUPLEX OUTLETS AND FACE PLATES SHALL BE PAINTED TO MATCH THE ADJACENT FINISH U.N.O.
- ANY LIGHT NOT DIMENSIONALLY LOCATED TO BE Η. CENTERED IN THE CEILING TILE, CEILING AREA, OR ROOM AS APPLICABLE. ALL "CAN" TYPE FIXTURES TO BE MOUNTED IN THE CENTER OF THE CEILING TILES U.N.O.
- USE USG DRYWALL SUSPENSION FLAT SYSTEM (OR EQUAL) FOR SUSPENDED AREAS OF GYP. BD. (TYP).
- PROVIDE 3/4" CONDUIT FOR DATA AND DUPLEX J. OUTLET IN CEILING FOR FUTURE TV.

#### **REFLECTED CEILING LEGEND**

ACT	-
8'-0"	
NOTES	-

-CEILING MATERIAL -CEILING HEIGHT -ADDITIONAL NOTES

HVAC -

#### CEILING TYPES

LIG

GYPSUM BOARD CEILING
EXPOSED TO ROOF

GHTING -



#### CEILING FINISHES

GYP GYPSUM BOARD - PAINT EXP EXPOSED STRUCTURE

**CEILING HEIGHT** VAR VARIES

ADDITIONAL NOTES 1. NOT USED

### **#** REFLECTED CEILING KEYNOTES

- 1. EXPOSED PEMB FRAMES
- 2. WALL-MOUNTED MINISPLIT PER DESIGN BUILD
- SHOP HEATER PER DESIGN BUILD
- SUSPEND LIGHT 16'-0" A.F.F., ADJUST HEIGHT AS NECESSARY" 4
- CEILING FAN BOTTOM OF FAN TO BE 16'-0" A.F.F., B.O.D.: CANARM 96" FANBOS 565 CFM/W 5

### FIXTURE SCHEDULE

\*SEE LUMINAIRE SCHEDULE

- L1 VANITY LIGHT L2 SURFACE MOUNTED LINEAR
- L3 SUSPENDED LINEAR L4 EXTERIOR WALL PACK
- EF EXHAUST FAN/LED COMBO
- X1
- EXIT SIGN PROVIDE EMERGENCY LIGHT BATTERY BACKUP IN EB FIXTURE



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#### **BANDON SCHOOL DISTRICT NEW BUS** BARN



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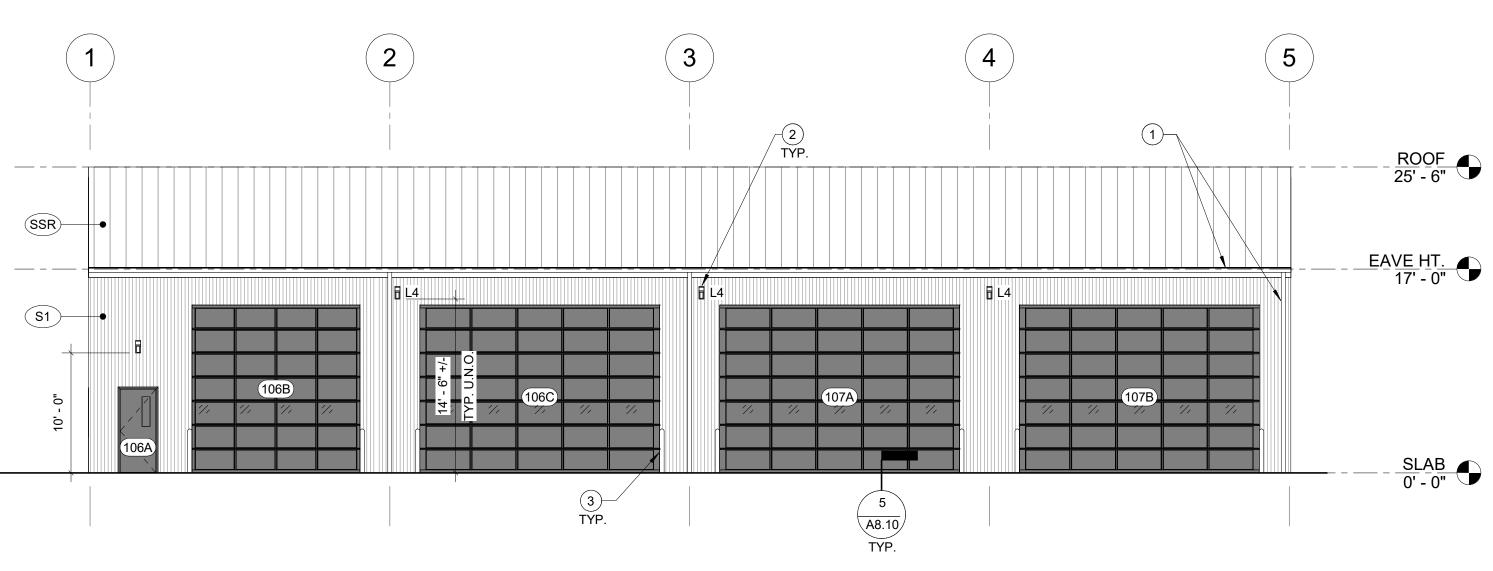
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DATE:	02-13-2024	S

REFLECTED CEILING PLAN

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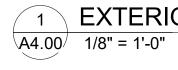
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<u>EAVE HT.</u> 17' - 0"

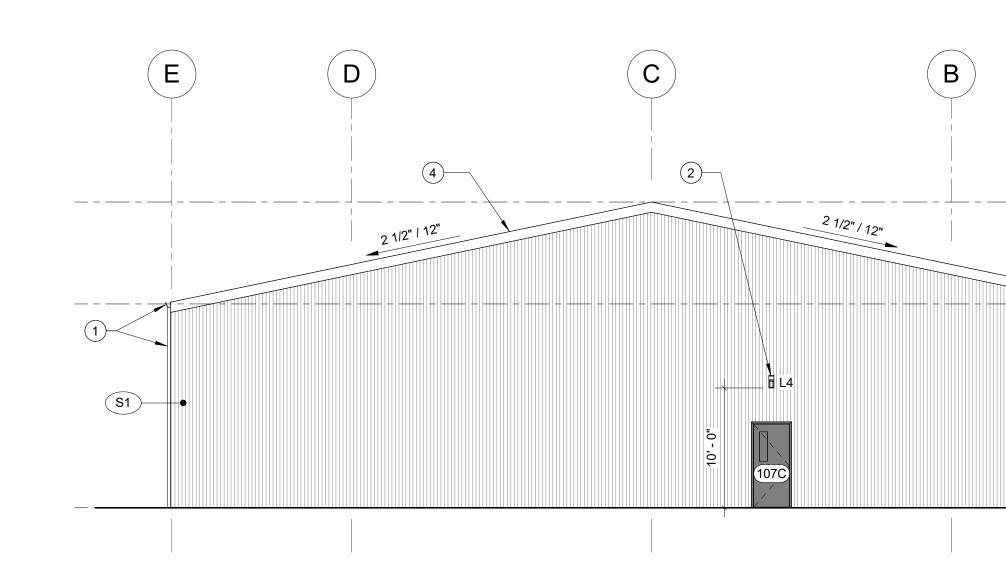
> <u>SLAB</u> 0' - 0"

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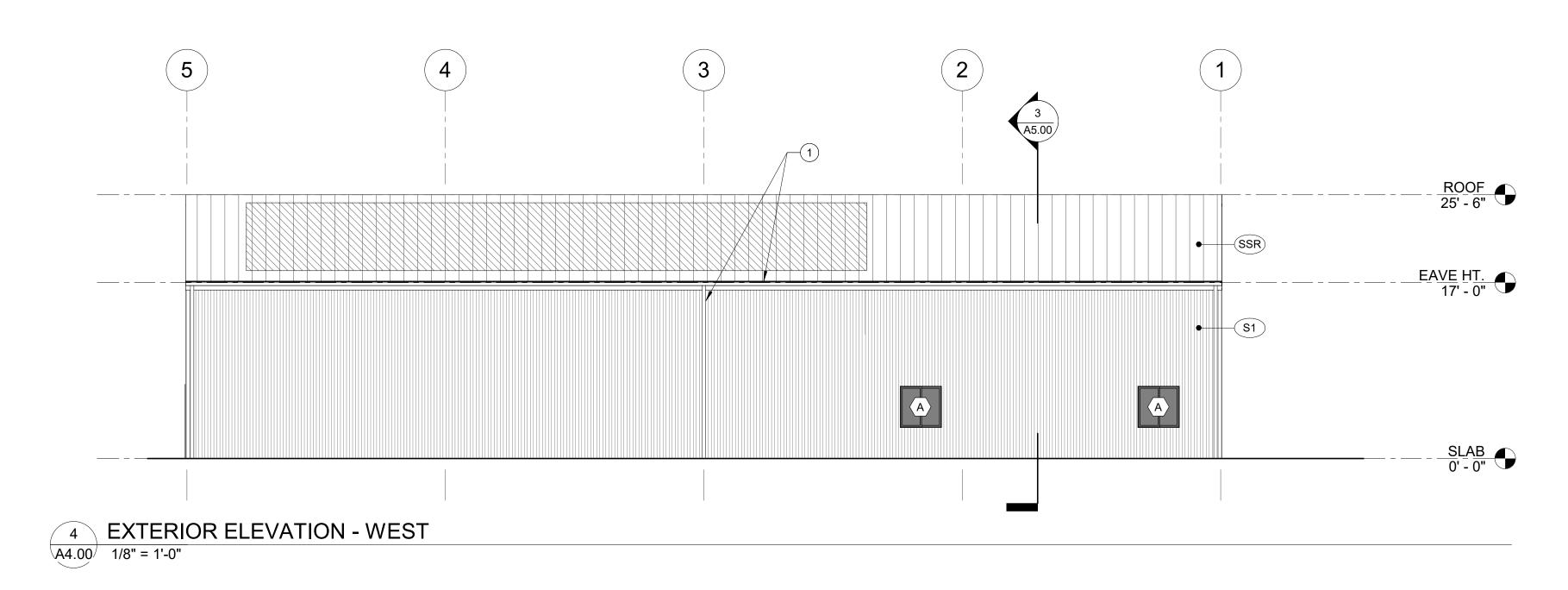
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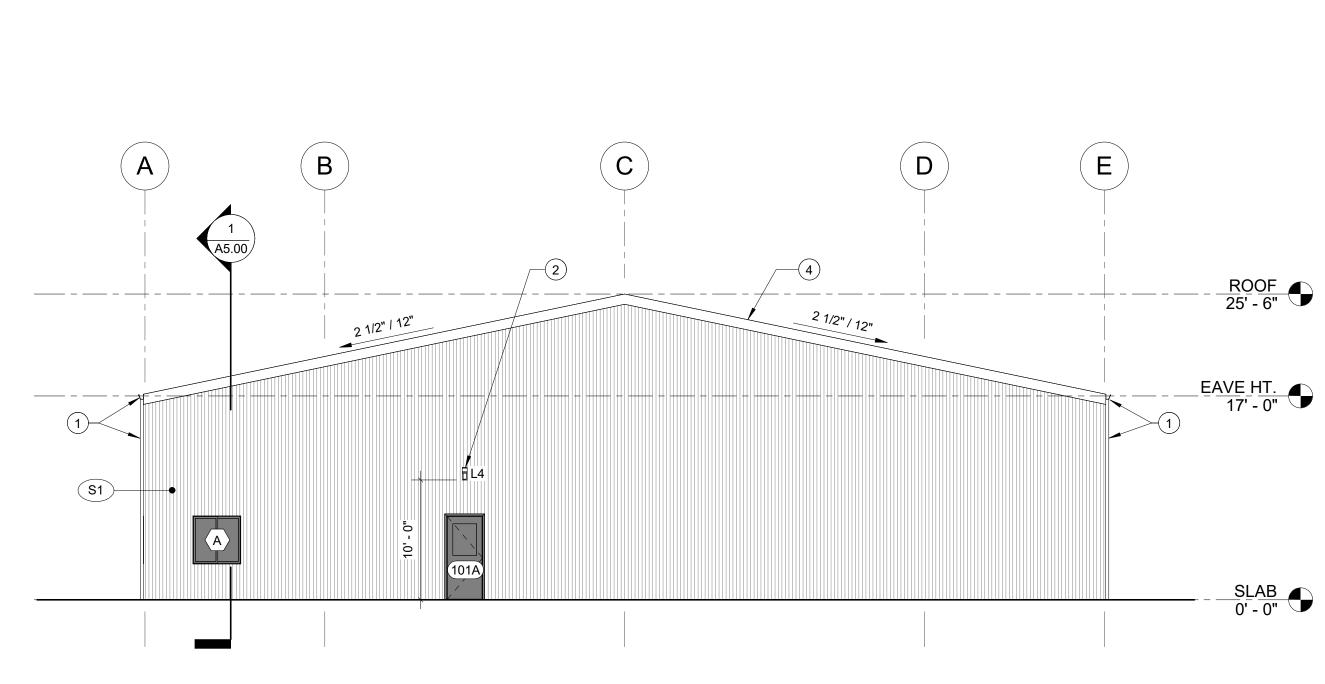


EXTERIOR ELEVATION - EAST









3 EXTERIOR ELEVATION - SOUTH A4.00 1/8" = 1'-0"

### ELEVATION LEGEND



STANDING SEAM METAL ROOFING

SOLAR-READY AREA PER 2022 OSSC 3111.4 -SEE ROOF PLAN

### ELEVATION KEYNOTES

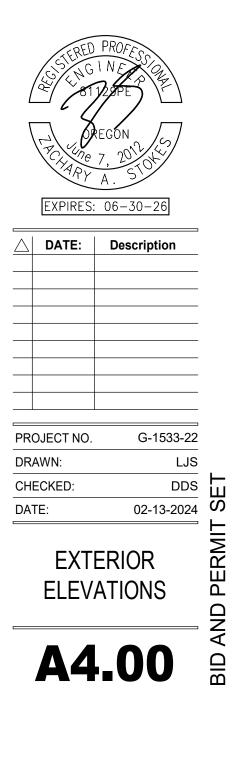
- 1. PRE-FINISHED GUTTER AND DOWNSPOUTS BY PEMB, COLOR TBD
- 2. EXTERIOR WALL PACK LIGHT, SEE LUMINAIR SCHEDULE
- 3. BOLLARDS, SEE CIVIL
- 4. PRE-FINISHED TRIM BY PEMB, COLOR TBD

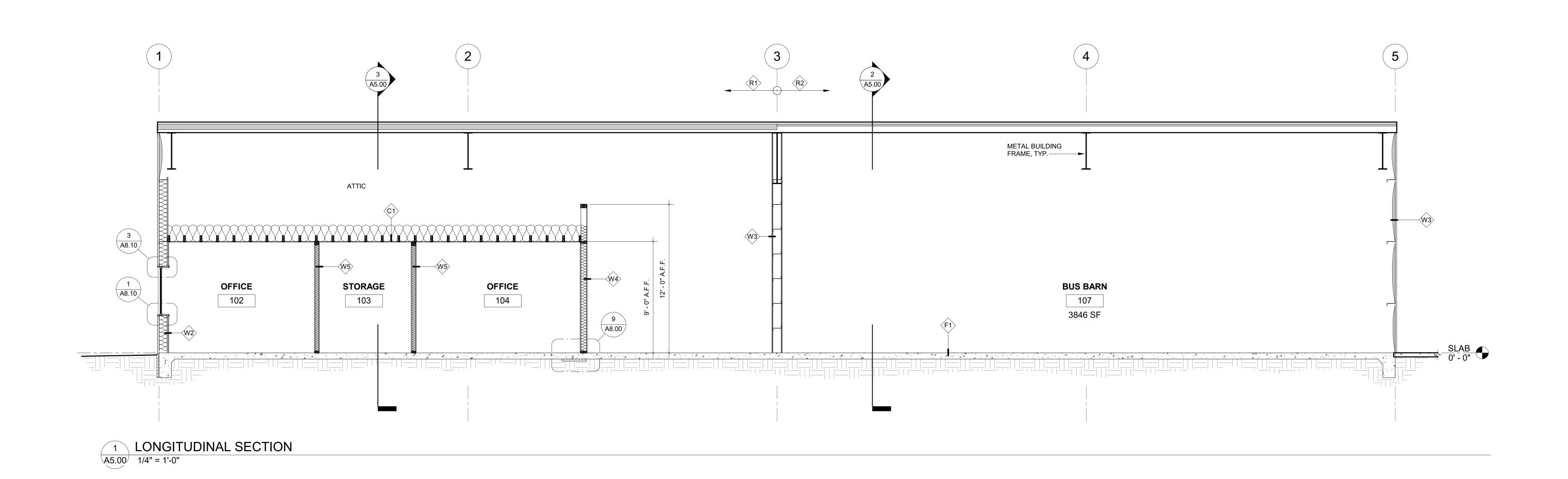


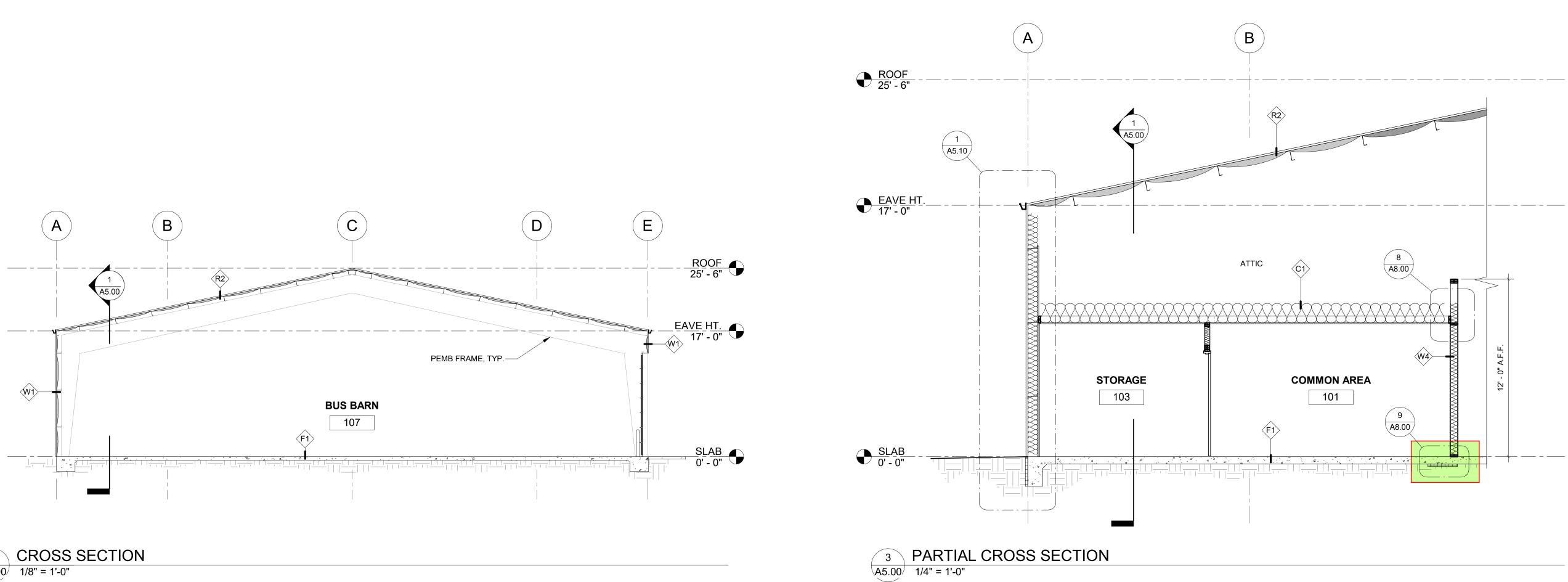
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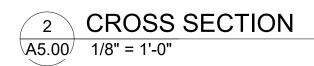
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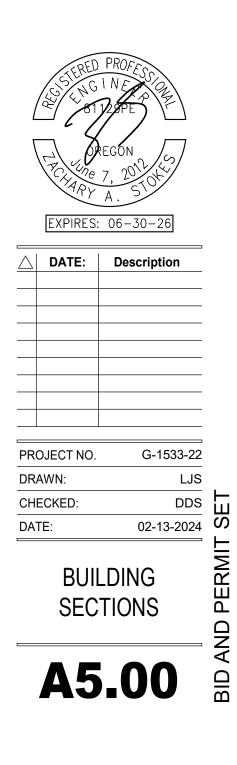




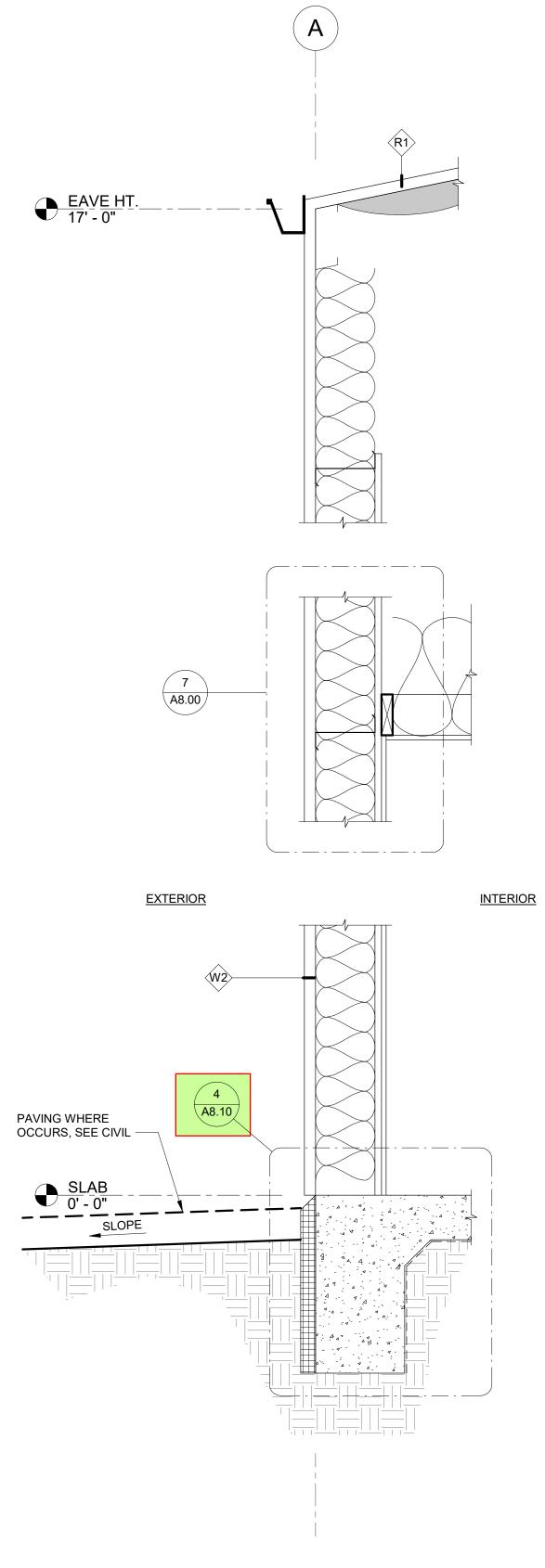
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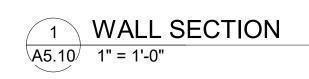
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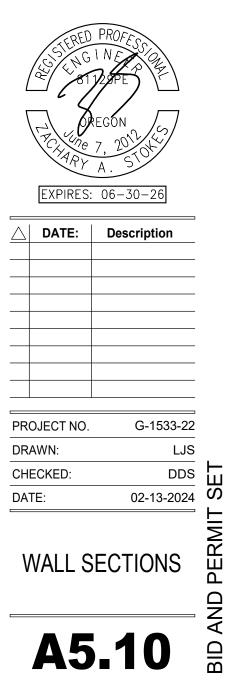
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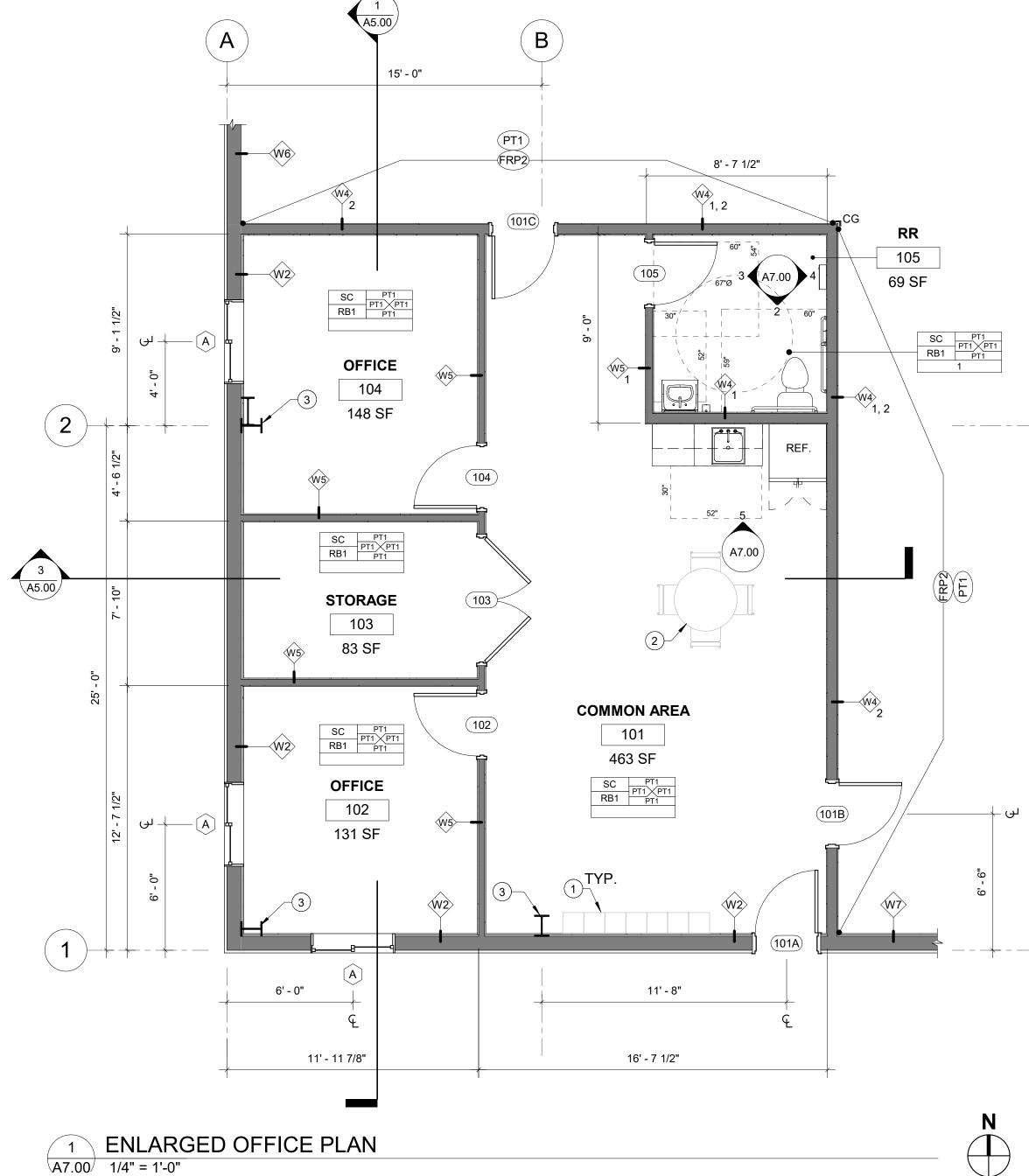
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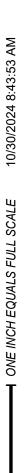




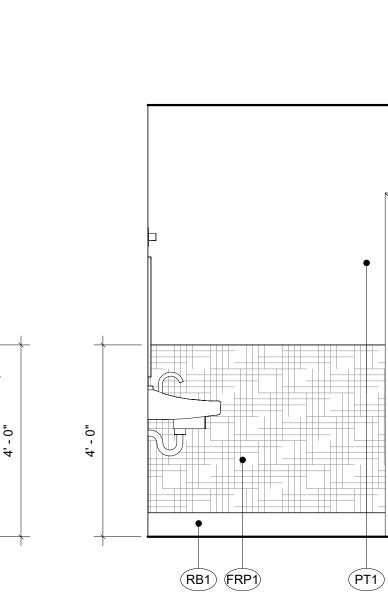
PLUMBING SCHEDULE												
FIXTURE				CONNECTIONS		IONS	TRIM / ACCESSORIES			DESIGN BUILD SCOPE. PLUMBER TO VERIFY BALANCE OF FIXTURES & ACCESSORIES. INSTALL PER CODE.		
TYPE	DESCRIPTION	MOUNTING	MANUFACTURER	MODEL NAME / NUMBER	w	cw	нw	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES	
T1	TOILET	FLOOR MOUNTED	AMERICAN STANDARD	2467.1	4"	1/2"	-	SEAT	AMERICAN STANDARD	5503A00B	INSTALL PER ADA STANDARDS	
64				K 1700 0	4 4 / 4 !!	" 3/8" 3/8	2 (0"	SINK FAUCET	KOHLER	K-15583-4RA-CP	INSTALL PER ADA STANDARDS, PROVIDE	
S1	RESTROOM SINK	WALL MOUNTED	KOHLER	K-1728-0	1 1/4"		3/8	3/8" 3/8"	3/0 3/8	VANDAL GUARD	ZURN	Z6900-VG
S2	KITCHEN SINK	COUNTERSUNK	ELKAY	BLH15C	2"	-	-	SINK FAUCET	ELKAY	LKDA2437C	PARALLEL APPROACH ACCESSIBLE	

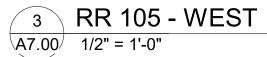
	RESTROOM ACCESSORY SCHEDULE								
TYPE	DESCRIPTION	MANUFACTURER	MODEL NAME / NUMBER	SIZE	FINISH	NOTES			
SD	SOAP DISPENSER	BOBRICK	B-2111	4 3/4" W x 8 1/8" H x 2 3/4" D	STAINLESS STEEL W/ SATIN FINISH	-			
MR	MIRROR	BOBRICK	B-165 1830	18" W x 30" H	STAINLESS STEEL W/ BRIGHT POLISH FINISH	_			
PD	PAPER TOWEL DISPENSER & WASTE RECEPTACLE	BOBRICK	B-3699	14" W x 28" H x 4" D	STAINLESS STEEL W/ SATIN FINISH	-			
TD	TOILET TISSUE DISPENSER	BOBRICK	B-4388	7 9/16" W x 12 1/2" H x 2 15/16" D	STAINLESS STEEL W/ SATIN FINISH	_			
GB	GRAB BARS	BOBRICK	B-6806	18", 36", 42"	STAINLESS STEEL W/ SATIN FINISH	_			

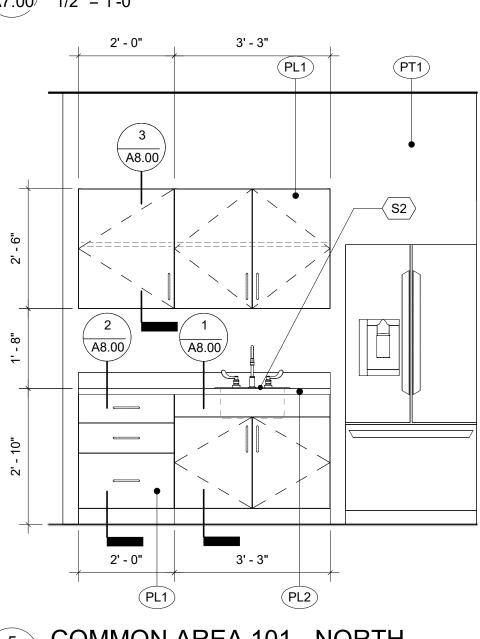




1 ENLARGED OFFICE PLAN A7.00 1/4" = 1'-0"







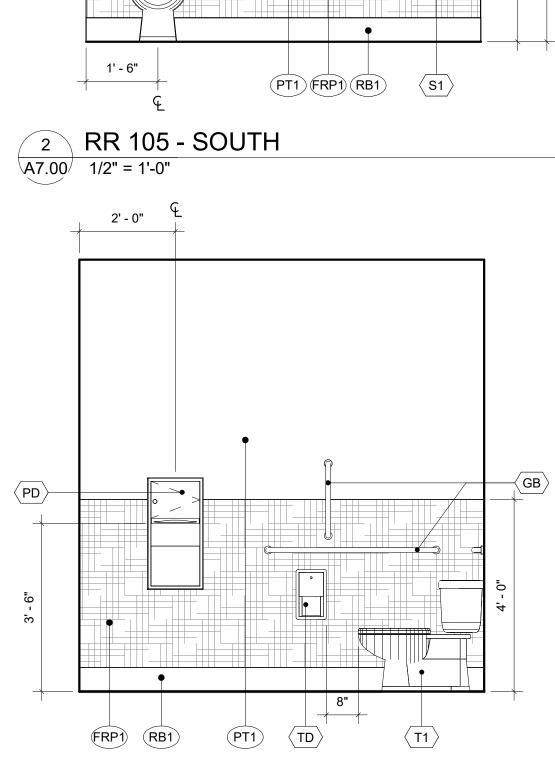




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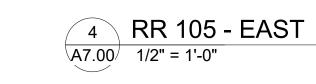
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2' - 6"

-

۹ 1' - 3"



#### GENERAL NOTES

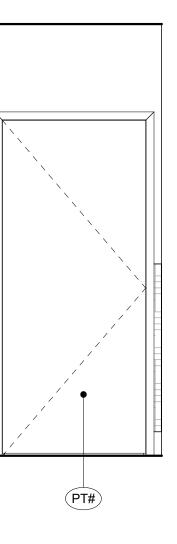
- VERIFY ALL DIMENSIONS AND NOTIFY ARCHITECT IF DISCREPANCIES OCCUR.
- G.C. SHALL COORDINATE ALL INTERIOR AND EXTERIOR FINISHES W/ OWNER PRIOR TO CONSTRUCTION.
- G.C. SHALL PROVIDE SAFETY GLAZING FOR ALL C. WINDOWS WITHIN 24" OF ANY DOOR AND ALL OTHER CRITICAL LOCATIONS AS STATED PER OSSC SECTION 2406.4.
- D G.C. TO PROVIDE FIRE BLOCKING AS REQUIRED PER CODE.
- G.C. SHALL PROVIDE ALL APPROPRIATE BACKING AS REQUIRED FOR ACCESSORIES AND OTHER MISCELLANEOUS ITEMS.
- G.C. TO COORDINATE INSTALLATION OF ALL UTILITIES W/ RESPECTIVE SUPPLIERS/SUBCONTRACTORS PRIOR TO CONSTRUCTION, TYPICAL.
- ALL ELECTRICAL, MECHANICAL AND PLUMBING TO G. BE DESIGN BUILD PER APPLICABLE CODES.
- ALL DIMENSION LINES TO THE FACE OF FRAMING, н U.N.O.

#### ENLARGED PLAN LEGEND

- FULL HEIGHT WALL / PARTITION

### ENLARGED PLAN KEYNOTES

- 1. LOCKERS, OFCI FURNITURE, OFCI
- 3. PEMB COLUMN



### FINISH PLAN NOTES

- A. ALL PRODUCTS ARE TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS, USING MANUFACTURERS ADHESIVES, TOOLS AND METHODS.
- B. REFER TO SPECIFICATIONS AND FINISH SCHEDULES FOR FURTHER FINISH MATERIAL PRODUCT INFORMATION.
- C. SEE ELEVATIONS FOR ADDITIONAL FINISHES.
- D. FOR CEILING HEIGHTS AND ADDITIONAL FINISHES SEE RCP'S.
- E. COORDINATE ALL OWNER FURNISHED EQUIPMENT, ACCESSORIES, AND FURNITURE WITH OWNER.
- F. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
- G. ALL FLOOR TRANSITIONS ARE TO OCCUR DIRECTLY BENEATH DOOR U.N.O.
- H. PROVIDE APPROPRIATE TRANSITIONS STRIPS/REDUCERS AT ALL LOCATIONS BETWEEN DIFFERING MATERIALS U.N.O. SEE TRANSITION CALL OUTS. ALL TRANSITIONS TO MEET ADA REQUIREMENTS.
- I. REFER TO FINISH PLAN FOR LOCATION OF CORNER GUARDS. ALL CORNER GUARDS ARE TO BE INSTALLED WITH BOTTOM OF CORNER GUARD AT TOP OF WALL BASE AND EXTEND 48" AFF.
- J. ALL GYPSUM CEILING TO BE PAINTED PT1 U.N.O. K. ALL HOLLOW METAL DOORS AND FRAMES TO
- RECEIVE COLOR: PT2 U.N.O.
- L. ALL METAL ACCESS PANELS, COVER PLATES, VENTS AND GRILLES TO BE PAINTED TO MATCH THE SURFACE IT IS LOCATED ON, UNLESS PREFINISHED.
- M. ALL BASE CABINETS AND UPPER CABINETS ARE TO RECEIVE PLAM ON ALL EXPOSED EXTERIOR SURFACES AS INDICATED ON INTERIOR ELEVATIONS. ALL INTERIOR CONCEALED SURFACES TO RECEIVE WHITE MELAMINE. RUN WOOD GRAIN IN VERTICAL DIRECTIONS AND USE 0.020"THICK MATCHING VINYL EDGEBAND ON CABINET DOORS AND DRAWERS.
- N. ALL COUNTERTOPS ARE RECEIVE BACKSPLASHES TO MATCH. PROVIDE PAINTABLE SEALANT AT WALL. O. PAINT VISIBLE PORTION OF INSIDE OF DUCT WORK
- FLAT BLACK.
- P. PAINT SHEEN WALL: SATIN/EGG SHELL, CEILING: FLAT/MATTE, TRIM & DOOR FRAMES: SEMI-GLOSS

### ADDITIONAL NOTES

1. PROVIDE FRP1 UP TO 48" A.F.F.

### **FINISH LEGEND**

XX# ME# XX# EX# Remarks	—FLOOR FINISH —WALL FINISHES —ADDITIONAL NOTES —BASE FINISH
PT#	EXTENT OF ACCENT PAINT OR WALL FINISHES
CG	LOCATION OF CORNER GUARDS
×	FINISH TAG

### **ROOM FINISH ABBREVIATIONS**

FLOORI	NG		
SC	SEALED CONCRETE		
BASE			
RB#	RUBBER BASE	STERED	
WALLS		CS LNG	
PT# GYP	PAINT GYPSUM WALL BOARD		REGON
WALL P	ROTECTION	FCHUNE	7, 2012
FRP# CG#	FIBER REINFORCED PLASTIC PANEL CORNER GUARD	EXPIRES:	A. 5 06-30-26
CASEW	ORK		
PL#	PLASTIC LAMINATE		Description
		PROJECT NO.	G-1533-22
		DRAWN:	LJS
		CHECKED:	DDS
		DATE:	02-13-2024
		ENLARG	ED PLANS

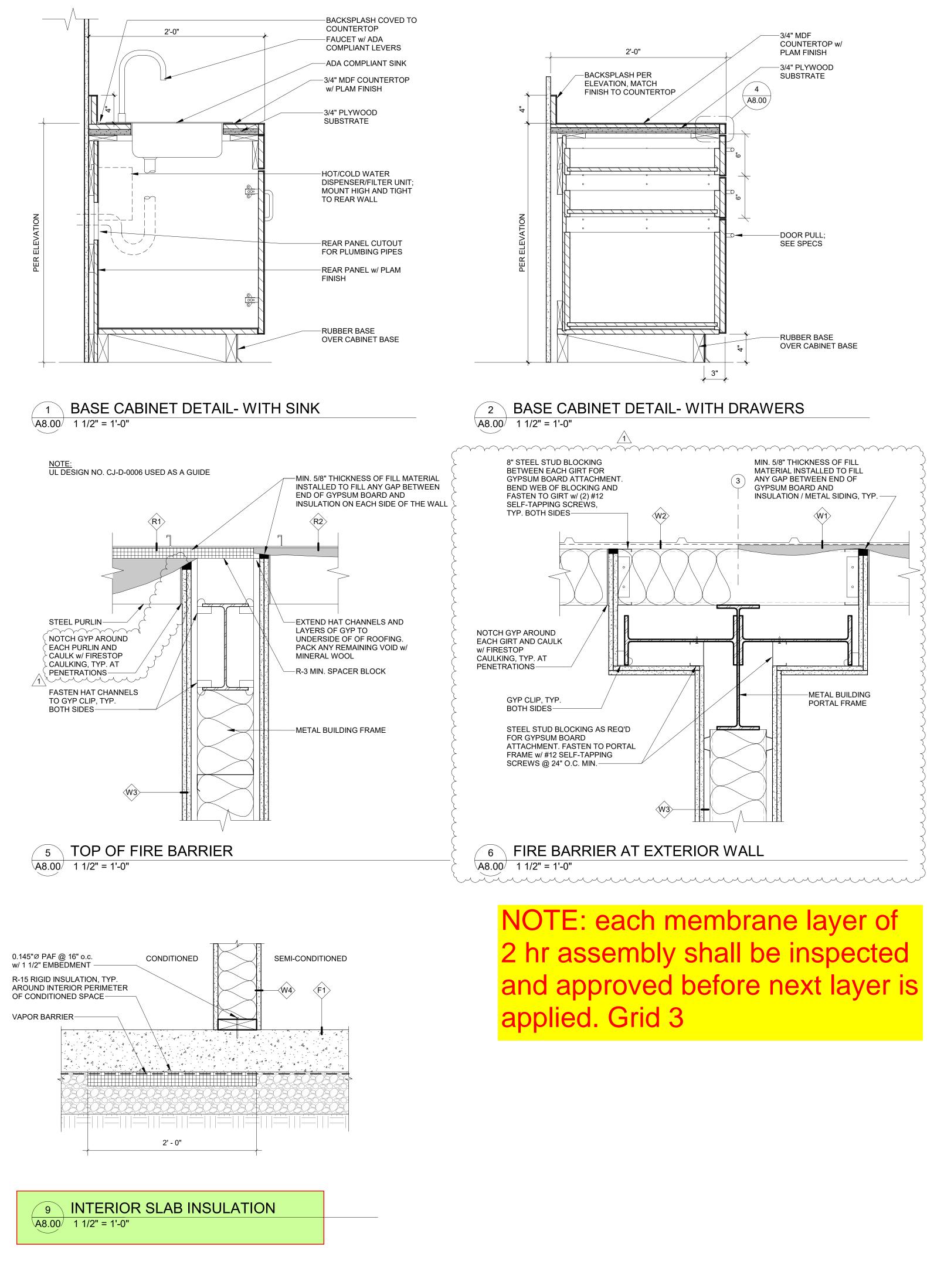


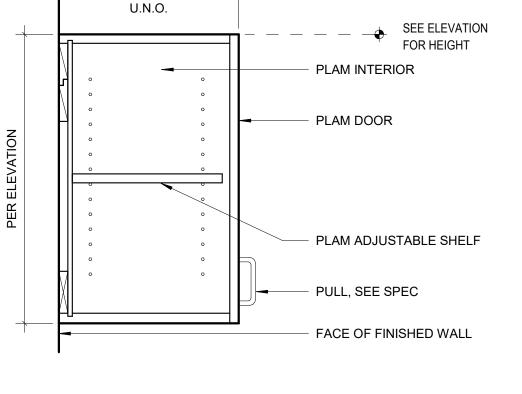


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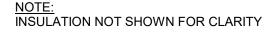
BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411



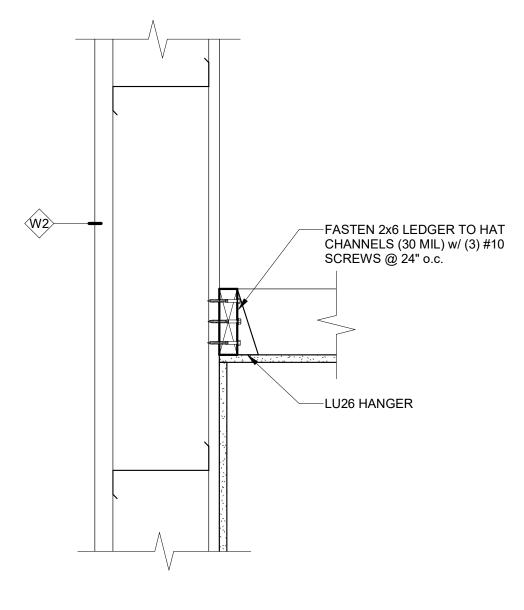




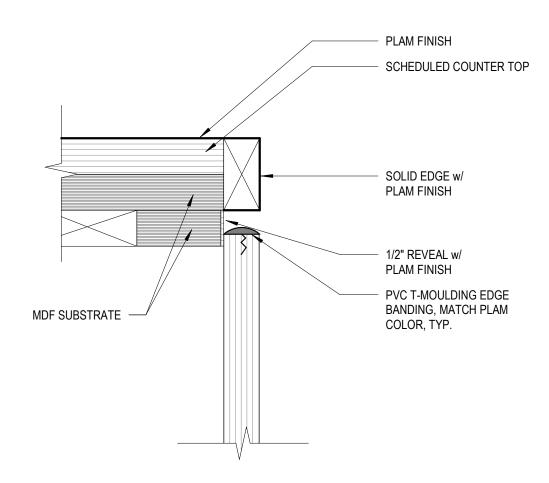




1' - 3"



CEILING LEDGER CONNECTION AT EXTERIOR 7 A8.00 1 1/2" = 1'-0"





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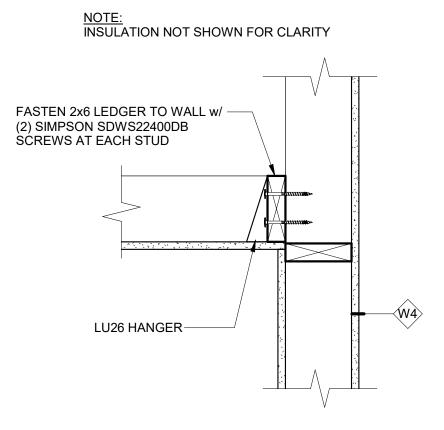
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**BANDON SCHOOL** DISTRICT NEW BUS BARN



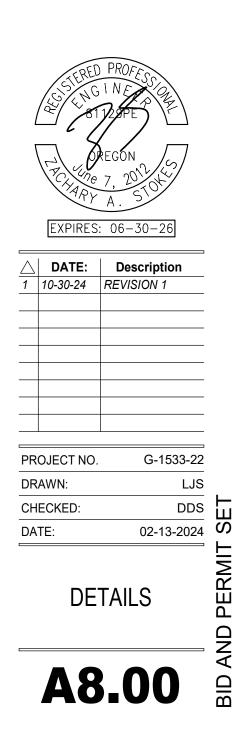
4 TYP. EDGE DETAIL AT BASE CABINENT A8.00/ 6" = 1'-0"

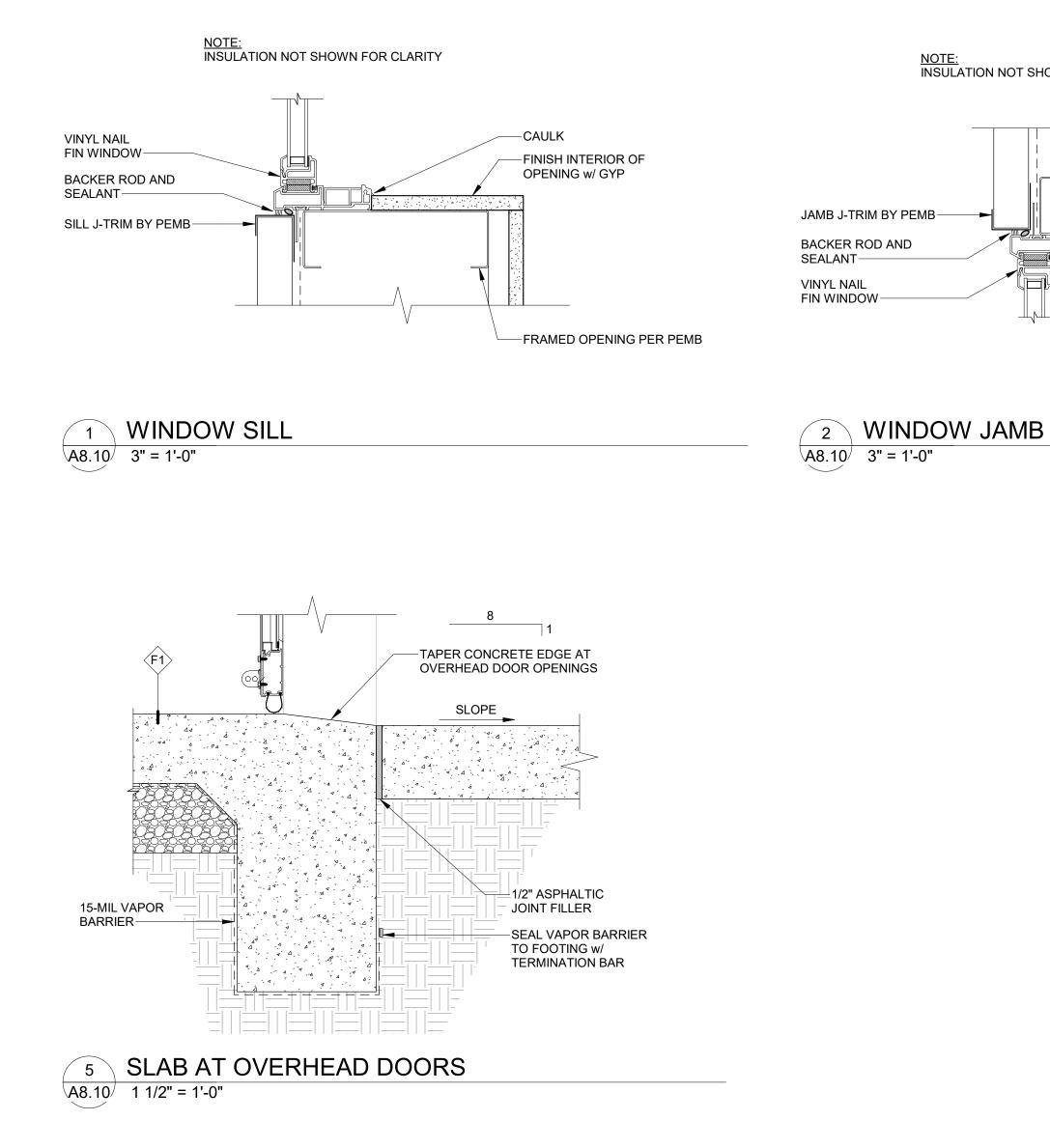




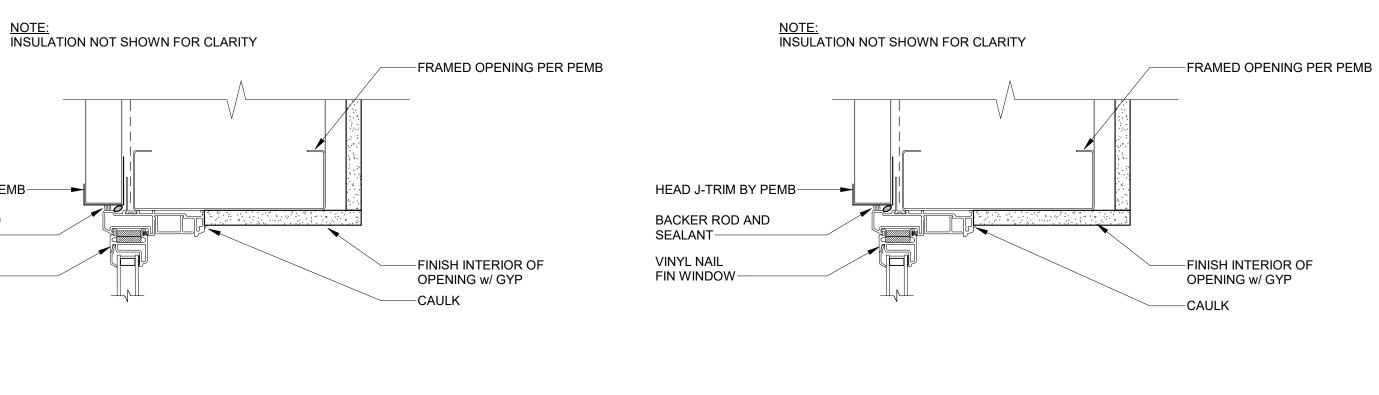


#### **8** CEILING CONNECTION AT INTERIOR WALL A8.00 1 1/2" = 1'-0"

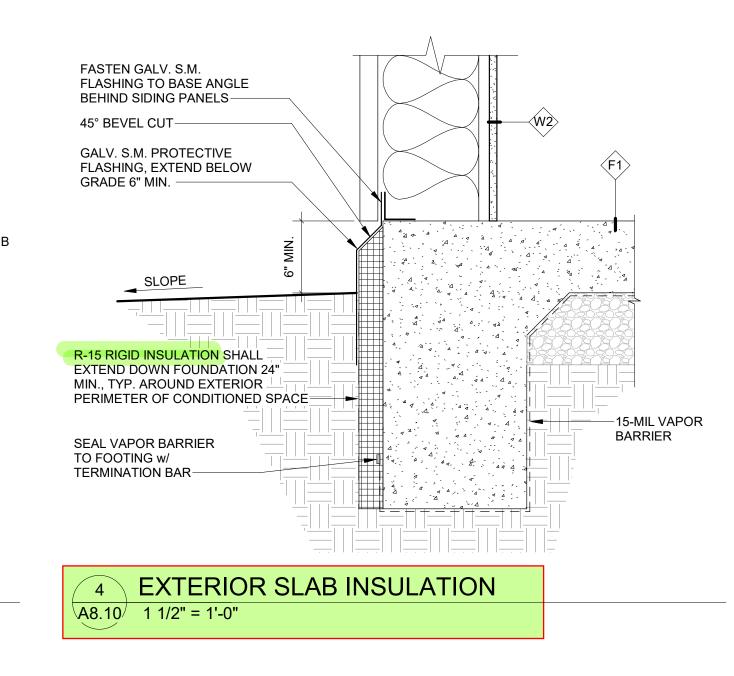










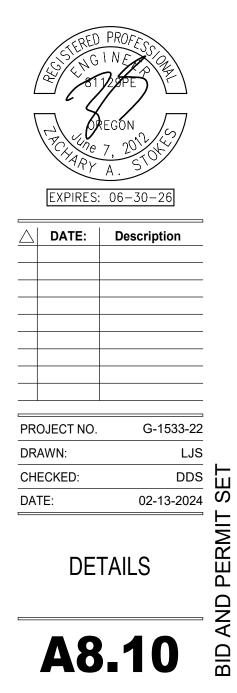




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<u>01 33</u>	00 SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES	06 10 00 ROUGH CARPENTRY	3.1 INSTALLATION A. Framing Standard: Comply with AF&PA's WCD 1, "Details for	2.6 MISCELLANEOUS MATERIALS A. Furring, blocking, shims, and hanging strips: softwood or hardwood
1.1	SUMMARY	1.1 SUMMARY	Conventional Wood Frame Construction," unless otherwise	lumber, kiln-dried to less than 15 percent moisture content
	<ul> <li>Shop drawing, product data, and sample requirements for all work specified</li> </ul>	<ul> <li>A. Section Includes:</li> <li>1. Framing with dimension lumber.</li> </ul>	indicated. B. Framing with Engineered Wood Products: Install engineered wood	<ul> <li>Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves</li> </ul>
	B. Submittals for project closeout	<ol> <li>Wood blocking and nailers.</li> <li>Wood furring.</li> </ol>	products to comply with manufacturer's written instructions. C. Set work to required levels and lines, with members plumb, true to	or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior
	C. Related Section: Submittals in Division 1 which provides detailed information on submittal requirements and format.	4. Wood sleepers.	line, cut, and fitted. Fit rough carpentry accurately to other	walls and at floors.
1.2	REQUIREMENTS	2.1 WOOD PRODUCTS, GENERAL	construction. Locate furring, nailers, blocking, and similar supports to comply with requirements for attaching other construction.	C. Adhesive for bonding plastic laminate is contact cement. Adhesive for bonding edges is hot melt adhesive or adhesive specified above
	<ul> <li>A. Shop Drawings: Provide shop drawings in a clear and thorough manner. Identify details by reference to drawing and detail schedule,</li> </ul>	A. Lumber: Comply with DOC PS 20 and applicable rules of grading agencies indicated. If no grading agency is indicated, comply with	D. Install shear wall panels to comply with manufacturer's written instructions.	for faces.
	or room numbers shown.	the applicable rules of any rules-writing agency certified by the	E. Install metal framing anchors to comply with manufacturer's written	2.7 FABRICATION
	B. products or models. Show performance characteristics and capacities, show dimensions and clearances required. Show wiring	ALSC Board of Review. Grade lumber by an agency certified by the ALSC Board of Review to inspect and grade lumber under the rules	<ul><li>instructions. Install fasteners through each fastener hole.</li><li>F. Do not splice structural members between supports unless</li></ul>	<ul> <li>Complete fabrication, including assembly and hardware application, to maximum extent possible before shipment to Project site.</li> </ul>
	or piping diagrams and controls. C. Samples: Samples shall be of sufficient size and quality to clearly	indicated. 1. Factory mark each piece of lumber with grade stamp of	otherwise indicated. G. Comply with AWPA M4 for applying field treatment to cut surfaces	Dissemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample
	illustrate the following: Functional characteristics of the products with integrally related parts and attachment devices and the full	grading agency. 2. For exposed lumber indicated to receive a stained or	of preservative-treated lumber. H. Where wood-preservative-treated lumber is installed adjacent to	allowance for scribing, trimming, and fitting. B. Shop-cut openings to maximum extent possible to receive
	range of color, texture, and pattern.	natural finish, omit grade stamp and provide certificates of	metal decking, install continuous flexible flashing separator between	hardware, appliances, electrical work, and similar items. Locate
1.3	SUBMITTALS REQUIRED:	grade compliance issued by grading agency. 3. Dress lumber, S4S, unless otherwise indicated.	wood and metal decking. I. Securely attach rough carpentry work to substrate by anchoring and	openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of
	<ul> <li>SHOP DRAWINGS: Provide shop drawings for the following specified items:</li> </ul>	B. Maximum Moisture Content: 1. Boards: 19 percent.	fastening as indicated, complying with the following: 1. Table 2304.9.1, "Fastening Schedule," in ICC's	cutouts to remove splinters and burrs. C. Install glass to comply with applicable requirements in Section
	1. Roofing Assemblies: base flashings, membrane	2. Dimension Lumber: 19 percent for 2-inch nominal (38-mm actual) thickness or less; 19 percent for more than 2-inch	International Building Code (IBC). 2. ICC-ES evaluation report for fastener.	08 80 00 "Glazing" and in GANA's "Glazing Manual". 1. For glass in frames, secure glass with removable stops. 2.
	terminations, insulation layout and slopes, fastening patterns and spacing for insulation and roofing, details for	nominal (38-mm actual) thickness unless otherwise		For exposed glass edges, polish and grind smooth
	curbs, pipe penetrations, and gutters. 2. Doors and Windows: plans, elevations, sections, details,	indicated. 3. Timber: 19 percent.	3.2 PROTECTION A. Protect rough carpentry from weather. If, despite protection, rough	3.1 INSTALLATION
	and attachments to other work. Include details of provisions for system expansion and contraction and for drainage of	C. Engineered Wood Products: Acceptable to Authorities Having Jurisdiction and for which current model code research or	carpentry becomes wet enough that moisture content exceeds that specified, apply EPA-registered borate treatment. Apply borate	A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.
	moisture in the system to the exterior. Provide hardware	evaluation reports exist that show compliance with building code in	solution by spraying to comply with EPA-registered label.	<ul> <li>B. Grade: install cabinets to comply with quality standard grade of item to be installed.</li> </ul>
	schedule and indicate operating hardware types, functions, quantity, and locations.	effect for Project. 1. Allowable design stresses, as published by manufacturer,		C. Anchor cabinets to anchors or blocking built in or directly attached to
	<ol> <li>Exterior Cladding Assemblies: Installation layout showing details of edge conditions, joints, panel profiles, corners,</li> </ol>	shall meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or	06 41 16 PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS	substrates. Secure with wafer-head cabinet installation screws. D. Install cabinets level, plumb, and true in line to a tolerance of 1/8
	anchorage, attachment system, trim, flashings, closures and accessories and special details. Distinguish between	by rational engineering analysis and demonstrated by comprehensive testing performed by a qualified		inch in 96 inches (3 mm in 2400 mm) using concealed shims. 1. Scribe and cut cabinets to fit adjoining work, refinish cut
	factory, shop, and field assembled work.	independent testing agency.	1.1 SUMMARY A. Plastic-laminate-faced architectural cabinets	<ul><li>surfaces and repair damaged finish at cuts.</li><li>Install cabinets without distortion so doors and drawers fit</li></ul>
	<ol> <li>Roof Specialties: plans, elevations, expansion joint locations, keyed details, and attachments to other work</li> </ol>	2.2 PRESERVATIVE TREATMENT	B. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-faced architectural cabinets that are not concealed	openings and are accurately aligned. Adjust hardware to
	<ul> <li>PRODUCT DATA: Provide product data for the following specified items:</li> </ul>	A. Preservative Treatment by Pressure Process: AWPA U1; Use Category UC2 for interior construction not in contact with	within other construction.	center doors and drawers in openings and to provide unencumbered operation. Complete installation of har
	<ol> <li>Thermal Insulation, Gypsum Assemblies, Weather Barriers, Acoustical Ceiling Panels: product data</li> </ol>	ground, Use Category UC3b for exterior construction not in contact with ground, and Use Category UC4a for items in contact with	2.1 PLASTIC-LAMINATE-FACED ARCHITECTURAL CABINETS	hardware and accessory items as indicated. 3. Fasten wall cabinets through back, near top and bottom,
	2. Sheet Metal Flashing: Maintenance data, warranty	ground.	<ul> <li>Quality standard: unless otherwise indicated, comply with the</li> <li>"Architectural Woodwork Standards" for grades of cabinets</li> </ul>	and at ends not more than 16 inches (400 mm) o.c. with No. 10 wafer-head screws sized for not less than 1-1/2-inch
	3. Joint Sealants: Product data, compatibility and adhesion test reports (from manufacturer), warranties	1. Preservative Chemicals: Acceptable to authorities having jurisdiction and containing no arsenic or chromium.	indicated for construction, finishes, installation, and other requirements.	(38 mm) penetration into wood framing, blocking, or
	4. Roof Assemblies: Product data, qualification data for manufacturer and installer, manufacturer certificate	<ul> <li>B. Kiln-dry lumber after treatment to a maximum moisture content of</li> <li>19 percent. Do not use material that is warped or that does not</li> </ul>	B. Grade: Custom	hanging strips.
	certifying roof complies with performance criteria, product test reports, maintenance data, warranties	comply with requirements for untreated material. C. Mark lumber with treatment quality mark of an inspection agency	<ul><li>C. Type of Construction: frameless</li><li>D. Door and Drawer- Front Style: flush overlay</li></ul>	07 20 00 THERMAL INSULATION
	<ul> <li>Exterior Cladding Assemblies: Product data, qualification</li> <li>data for manufacturer and installer, product test reports,</li> </ul>	approved by the ALSC Board of Review. D. Application: Treat items indicated on Drawings, and the following:	E. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by quality standard.	
	maintenance data, warranties	1. Wood cants, nailers, curbs, equipment support bases,	F. Basis-of-Design Manufacturers: a. Approved Products:	1.1 SUMMARY A. Perimeter wall insulation, below grade
	<ol> <li>Doors and Windows, Glazing: Product data, product testing reports, hardware schedule (as applicable), maintenance</li> </ol>	blocking, stripping, and similar members in connection with roofing, flashing, vapor barriers, and waterproofing.	<ol> <li>Formica Corporation.</li> <li>Wilsonart.</li> </ol>	<ul><li>B. Glass fiber blanket</li><li>C. See Division 07 Sections for insulation specified as part of roofing</li></ul>
	data, warranty 7. Resilient Base, Resilient flooring, Tile Carpeting: Product	<ol> <li>Wood sills, sleepers, blocking, and similar concealed members in contact with masonry or concrete.</li> </ol>	G. Laminate Cladding for Exposed Surfaces: 1. Horizontal surfaces: Grade HGS	assembly
	<ul><li>data, maintenance data, warranties</li><li>8. Painting: Product data, paint schedule indicating substrate,</li></ul>	<ol> <li>Wood framing and furring attached directly to the interior of below-grade exterior masonry or concrete walls.</li> </ol>	2. Postformed surfaces: Grade HGP	1.2 PERFORMANCE CRITERIA A. Fire-Test-Response Characteristics: Provide insulation and related
	color, sheen, paint type, and primer C. SAMPLES: Provide physical samples for the following specified	<ol> <li>Wood floor plates that are installed over concrete slabs-on- grade.</li> </ol>	<ol> <li>Vertical Surfaces: Gade VGS</li> <li>Edges: PVC edge banding, .12 inch (3 mm) thick, matching</li> </ol>	materials with the fire-test-response characteristics indicated. Identify materials with appropriate markings of applicable testing
	items: 1. Roof Assembly, exterior cladding assemblies: Provide	2.3 DIMENSION LUMBER FRAMING	laminate in color, pattern, and finish 5. Pattern Direction Vertically for drawer fronts, doors, and	and inspecting agency.
	standard color chart for selection if not indicated on drawings.	A. Non-Load-Bearing Interior Partitions by Grade: Construction or No. 2 grade.	fixed panels H. Concealed backs of panels with exposed plastic-laminate surfaces:	<ol> <li>Surface-Burning Characteristics: ASTM E 84</li> <li>Fire-Resistance Ratings: ASTM E 119</li> </ol>
	2. Finish flooring, wall base: Provide sample of type and color	1. Application: All interior partitions.	High-pressure decorative laminate, NEMA LD 3, Grade BKL I. Drawer Construction: Fabricate with exposed fronts fastened to	3. Combustion Characteristics: ASTM E 136
	indicated on drawings. 3. Painting: Provide color samples of each color and sheen	2. Species: a. Douglas Fir. D. Forming Other Theory New Local Descriptions for Condex No. 2	subfront with mounting screws from interior of body. Join subfronts, backs, and sides with glued dovetail joints	2.1 PRODUCTS A. Perimeter Wall Insulation: Extruded polystyrene board insulation,
	used on project.	B. Framing Other Than Non-Load-Bearing Partitions by Grade: No. 2 grade.	J. Colors, patterns, and finishes: provide materials and products that result in colors and textures of exposed laminate surfaces	ASTM C 578, Type IV, 1 1/2" minimum thickness, R-7.5 minimum. 1. Cavitymate Ultra; the Dow Chemical Co
		1 Application: Framing other than interior partitione		
03 35		<ol> <li>Application: Framing other than interior partitions.</li> <li>Species:</li> </ol>	complying with the schedule.	<ol> <li>FOAMULAR 150, Owens Corning</li> <li>Or approved equal</li> </ol>
<u>03 35</u>			2.2 FIRE RETARDANT-TREATED MATERIALS	<ol> <li>Or approved equal</li> <li>B. Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-</li> </ol>
<u>03 35</u> 1.1	SUMMARY A. This section specifies curing compounds for interior and exterior	<ol> <li>Species:</li> <li>a. Douglas fir-larch (north); NLGA.</li> <li>2.4 MISCELLANEOUS LUMBER</li> </ol>	2.2 FIRE RETARDANT-TREATED MATERIALS A. Fire-retardant-treated materials, general: where fire-retardant- treated materials are indicated, use materials that are acceptable to	<ul> <li>3. Or approved equal</li> <li>B. Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-spread index = 25, max smoke-developed index = 50.</li> </ul>
	SUMMARY A. This section specifies curing compounds for interior and exterior concrete surfaces.	<ol> <li>Species:         <ul> <li>a. Douglas fir-larch (north); NLGA.</li> </ul> </li> <li>2.4 MISCELLANEOUS LUMBER         <ul> <li>A. Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:</li> </ul> </li> </ol>	2.2 FIRE RETARDANT-TREATED MATERIALS A. Fire-retardant-treated materials, general: where fire-retardant-	<ul> <li>3. Or approved equal</li> <li>B. Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-spread index = 25, max smoke-developed index = 50.</li> <li>3.1 EXECUTION <ul> <li>A. Install insulation that is undamaged, dry, and unsoiled and that has</li> </ul> </li> </ul>
	SUMMARY A. This section specifies curing compounds for interior and exterior concrete surfaces. REFERENCES A. American Society for Testing and Materials:	<ol> <li>Species:         <ul> <li>a. Douglas fir-larch (north); NLGA.</li> </ul> </li> <li>2.4 MISCELLANEOUS LUMBER         <ul> <li>A. Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:                 <ul> <li>Blocking.</li> <li>Nailers.</li> </ul> </li> </ul> </li> </ol>	2.2 FIRE RETARDANT-TREATED MATERIALS A. Fire-retardant-treated materials, general: where fire-retardant- treated materials are indicated, use materials that are acceptable to authorities having jurisdiction as determined by testing performed on	<ol> <li>Or approved equal</li> <li>B. Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-spread index = 25, max smoke-developed index = 50.</li> <li>3.1 EXECUTION         <ul> <li>A. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to ice, rain, or snow.</li> <li>B. Extend insulation in thickness indicated to envelop entire area to be</li> </ul> </li> </ol>
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1.1	<ul> <li>SUMMARY</li> <li>A. This section specifies curing compounds for interior and exterior concrete surfaces.</li> <li>REFERENCES</li> <li>A. American Society for Testing and Materials:         <ol> <li>ASTM C-309 – Standard Specification for Liquid Membrane Forming Compounds for Curing Concrete.</li> <li>ASTM C-1315 – Standard Specification for Liquid</li> </ol> </li> </ul>	<ol> <li>Species:         <ul> <li>a. Douglas fir-larch (north); NLGA.</li> </ul> </li> <li>MISCELLANEOUS LUMBER         <ul> <li>A. Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:                 <ol> <li>Blocking.</li> <li>Nailers.</li> <li>Furring.</li> </ol></li></ul> </li> <li>Dimension Lumber Items: Construction or No. 2 grade lumber of any species.</li> <li>C. Concealed Boards: 19 percent maximum moisture content and any</li> <li> <ul> <li>Species:</li> </ul> </li> </ol>	<ul> <li>2.2 FIRE RETARDANT-TREATED MATERIALS <ul> <li>A. Fire-retardant-treated materials, general: where fire-retardant-treated materials are indicated, use materials that are acceptable to authorities having jurisdiction as determined by testing performed on identical products by a qualified testing agency.</li> </ul> </li> <li>2.3 WOOD MATERIALS <ul> <li>A. Maximum moisture content of lumber: 15 percent for 2" nominal (38-</li> </ul> </li> </ul>	<ol> <li>Or approved equal</li> <li>B. Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-spread index = 25, max smoke-developed index = 50.</li> <li>3.1 EXECUTION         <ul> <li>A. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to ice, rain, or snow.</li> <li>B. Extend insulation in thickness indicated to envelop entire area to be insulated. Cut and fit tightly around obstructions and fill voids with insulation. remove projections that interfere.</li> <li>C. Water-Piping Coordination: If water piping is located within insulated exterior walls, coordinate location of piping to ensure that it is placed</li> </ul> </li> </ol>
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Provide nails or screws, in sufficient length, to penetrate not less than 1-1/2 inches (38 mm) into wood substrate.</li> <li>Where rough carpentry is exposed to weather, in ground contact, pressure-preservative treated, or in area of high relative humidity, provide fasteners with hat evaluation report acceptable to authorites having jurisdiction, based on ICC- ES AC70.</li> <li>Post-Installed Anchors: Fastener systems with an evaluation report acceptable to authorites having jurisdiction, based on ICC- ES AC71, ICC-ES AC58, ICC-ES AC193, or ICC-ES AC308 as appropriate for the substrate.</li> <li>METAL FRAMING ANCHORS                  A. 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Submit under provisions of Section 013300 – Submittal Procedures and storage and handling requirements.</li> <li>Test Data: Confirm compliance and performance with specified requirements.</li> <li>Test Data: Confirm compliance and performance with specified product or similar products, or have manufacturer's representative on site ensuring that preparation and application are performed correctly.</li> <li>DELIVERY, STORAGE, AND HANDLING</li> <li>Materials must be delivered in original, factory sealed containers with the manufacturer's labels including product name and batch numbers.</li> <li>Store in cool dry area. Protect from freezing.</li> <li>ENVIRONMENTAL REQUIREMENTS</li> <li>Environmental Conditions: Do not apply material when temperature is below 45°F within 48 hours.</li> <li>Protection: Precautions should be taken to avoid damage to any surface near the work zone.</li> <li>MANUFACTURER</li> <li>Acceptable Manufacturer: US MIX Co., 112 South Santa Fe Drive, Deriver, CO 80223, 800-397-9903, http://www.usspec.com.</li> <li>MANUFACTURER</li> <li>Concrete sealing Compound:         <ol> <li>US SPEC CS-25-1315</li> <li>Type: Solvent-based, non-yellowing, VOC compliant, concrete sealing compound with acrylic polymers.</li> <li>Compliance: ASTM C-309, T</li></ol></li></ul>	<ol> <li>Species:         <ul> <li>a. 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Concrete Realing Compound: A conditions, 200 and papily material when temperature is below 45<sup>c</sup>; F: within 48 hours.</li></ul></li></ul></li></ul>	<ol> <li>Species:         <ul> <li>a. Douglas fir-larch (north); NLGA.</li> </ul> </li> <li>MISCELLANEOUS LUMBER         <ul> <li>Provide miscellaneous lumber indicated and lumber for support or attachment of other construction, including the following:</li></ul></li></ol>	<ul> <li>FIRE RETARDANT-TREATED MATERIALS</li> <li>A. Fire-retardant-treated materials, general: where fire-retardant-treated materials in the are acceptable to authorities having jurisdiction as determined by testing performed on identical products by a qualified testing agency.</li> <li>WOOD MATERIALS</li> <li>A. Maximum moisture content of lumber: 15 percent for 2" nominal (38-mm actual thickness or less; 19 percent for more than 2-inch nominal (38-mm actual) thickness unless otherwise indicated.</li> <li>WOOD-PRESERVATIVE-TREATED LUMBER</li> <li>A. 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General: provide cabinet hardware and accessory materials associated with architectural cabinets except for items specified in Section 08.71 0.0 'Door Hardware'.</li> <li>Butt hinges: 2.3/4 inch (70 mm), Iive-knuckle steel hinges made from .095-inch/c2.4-mm-1 hick metal, and as follows:         <ol> <li>Semiconcealed hinges for rough Ant A156.9, B01361</li> <li>Semiconcealed hinges (European type): BHMA A156.9, B01361</li> <li>Semiconcealed hinges dor overlay doors: BHMA A156.9, B01362, 100 degrees of goening</li> <li< td=""><td><ol> <li>Or approved equal</li> <li>Glass-Fiber Blanket Insulation: ASTM C 665, Type I, max flame-spread index = 25, max smoke-developed index = 50.</li> <li>EXECUTION</li> <li>A. Install insulation that is undamaged, dry, and unsoiled and that has not been left exposed at any time to ice, rain, or snow.</li> <li>Extend insulation in thickness indicated to envelop entire area to be insulated. 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#### 07 25 00 WEATHER BARRIERS

#### 1.1 SUMMARY A. Weather barrier membrane.

- 1.3 PERFORMANCE CRITERIA A. Air Penetration: 0.001 cfm/sqft at 75Pa, when tested in accordance with ASTM E2178. Type I per ASTM E1677.
  - Β. Water Vapor Transmission: 28 perms, when tested in accordance with ASTM E96, Method B.
  - C. Water Penetration Resistance: Min. 280 cm when tested in accordance with AATCC Test Method 127.
  - D. Basis Weight: Min. 2.7 oz/sq yd, when tested in accordance with
  - TAPPI Test Method T-410 E. Air Resistance: Air infiltration at >1500 seconds, when tested in
  - accordance with TAPPI Test Method T-460 F. Tear Resistance: 12/10 lbs., when tested in accordance with ASTM
  - D882, Method A G. Tensile Strength: Min. 38/35 lbs/in., when tested in accordance with
  - ASTM D882, Method A H. Surface Burning Characteristics: Class A, when tested in accordance with ASTM E84. Flame Spread: 10, Smoke Developed: 10.

2.1 PRODUCTS

- A. A non-perforated, non-woven, non-absorbing, breathable membrane that resists air flow, bulk water and wind driven rain and channels water and moisture to the outside of the building envelope. Basis of Design Product: Therm-All MaxTight, or approved equal. В.
- Fasteners:
  - 1. Steel Frame Construction: 1-5/8 inch rust resistant screw with 2-inch diameter plastic cap or manufacturer approved 1-1/4" or 3" metal gasketed washer.
- 2. Wood Frame Construction: Rust resistant #4 nails with large 1-inch plastic cap fasteners.
- C. Sealants: Provide sealants that comply with ASTM C920 and are compatible with weather barrier, elastomeric acrylic-urethane
- blended polymer sealant to maintain watertight conditions. Provide adhesives recommended by weather barrier manufacturer. D. Provide membrane flashing and primer for window openings and E. penetrations recommended by weather barrier manufacturer.

#### 3.1 EXECUTION

- A. Install weather barrier prior to installation of windows and doors. Start weather barrier installation at a building corner, leaving 6-12 inches of weather barrier extended beyond corner overlap. В. Install weather barrier in a horizontal manner starting at the lower portion of the wall surface with subsequent layers installed in a
- shingling manner to overlap lower layers. Maintain weather barrier plumb and level. C. Overlap weather barrier: Exterior corners: minimum 12 inches
- Seams: minimum 6 inches
- D. Attach weather barrier to studs through exterior sheathing. Secure using weather barrier manufacturer recommended fasteners, space 12-18 inches vertically on center along stud line and 24 inch on center, maximum horizontally.
- E. Seal seams of weather barrier with seam tape at all vertical and horizontal overlapping seams. Seal any tears or cuts as recommended by weather barrier manufacturer.
- F. Flashing at Openings:
  - Cut flexible flashing a min. of 12 inches longer than width of 1. sill rough opening. Cover horizontal sill by aligning flexible flashing edge with 2. inside edge of sill. Adhere to rough opening across sill and up jambs in minimum of 6 inches. Secure flashing tightly into corners by working in and applying pressure along the
  - sill before adhering up the jambs. 3. Fan flexible flashing at bottom corners onto face of wall. Firmly press in place. Mechanically fasten fanned edges.
  - 4. Apply 9-inch wide strips of flashing at jambs. Align flashing with interior edge of jamb framing. Start flashing at head of opening and lap sill flashing down to the sill. Spray-apply primer to top 6 inches of jamb and exposed 5.
  - sheathing. 6. Install flexible flashing at opening head using same installation procedures used at sill. Overlap jamb flashing a
  - minimum of 2 inches. Coordinate flashing with window installation.
  - On exterior, install backer-rod in joint between window 8. frame and flashed rough framing. Apply weather barrier manufacturer recommended sealant at jambs and head, leaving sill unsealed. Apply sealants in accordance with sealant manufacturer's instructions and ASTM C1193. 9. Position weather barrier head flap across head flashing.
  - Adhere using flashing over the 45-degree seams. 10. Tape top of window in accordance with manufacturer recommendations. 11. On interior, install backer rod in joint between frame of
- window and flashed rough framing. Apply weather-barrier manufacturer recommended sealant around entire window interior to create air seal. Apply sealant in accordance with sealant manufacturer's instructions and ASTM C1193. G. Flashing at Flanged Window
  - 1. Attach weather barrier membrane apron under sill. Extend apron a min. of 10 inches beyond sides of rough opening, and below the rough opening to overlap the sill plate or the weather barrier below. Securely attach sides of apron to wall, leaving bottom free to overlap later weather barrier installation.
  - 2. Cut flashing a minimum of 12 inches longer than width of sill rough opening. 3.
  - Cover horizontal sill by aligning flashing edge with inside edge of sill. Adhere to rough opening across sill and up jambs a minimum of 6 inches.
  - Fan flashing at bottom corners into face of wall. Firmly 4. press in place. Mechanically fasten fanned edges. On exterior, apply continuous bead of sealant to wall or 5. backside of window mounting flange across jambs and head. Do not apply sealant across sill.
  - 6. Coordinate with window installation. Complete flashing after installation of window/door: 7 a. Apply 4-inch wide strips of flashing at jambs overlapping entire mounting flange. Extend jamb flashing 1-inch above top of rough opening and
    - below bottom edge of sill flashing. Apply 4-inch wide strip of flashing as head flashing b. overlapping the mounting flange. Head flashing should extend beyond outside edges of both jamb flashings.
    - c. Position weather barrier head flap across head flashing. Adhere using 4-inch wide flashing over the 45-degree seams.
    - Tape head flap in accordance with manufacturer d. recommendations
    - e. On interior, install backer rod in joint between frame of window and flashed rough framing. Apply sealant around entire window to create air seal.



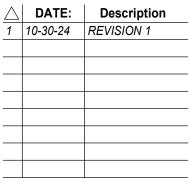
524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

#### **BANDON SCHOOL DISTRICT NEW BUS** BARN







PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	02-13-2024

#### SPECIFICATIONS



20	00	VAPOF	<u>RETARDERS</u>	<u>07 92 (</u>	00	JOINT SEALANTS
1	SUMMA A.		Includes:	1.1	SUMM/ A.	ARY Acrylic Latex joint sealants
		1. 2.	Polyethylene vapor retarders. Under-Slab Vapor Retarders		В. С.	Urethane joint sealants Silicone joint sealants
	POLYE		IE VAPOR RETARDERS		D.	Related Requirements: a. Section 08 80 00 "Glazing" for coordination of glazing
	A.		ylene Vapor Retarders: ASTM D4397, 15-mil- thick sheet, aximum permeance rating of 0.1 perm			<ul><li>sealants.</li><li>b. Section 13 34 19 "Metal Building Systems" for coordinat</li></ul>
2	UNDEF		APOR RETARDERS			of roofing sealants.
	A.	Under-s 1.	slab Vapor retarder shall have all of the following qualities: Maintain permeance of less than 0.03 Perms [grains / (ft2	1.2	qualit A.	TY ASSURANCE Preconstruction Field-Adhesion Testing: Before installing sealant
			hr · inHg)] as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1			<ul><li>field test adhesion to Project joint substrates as follows:</li><li>1. For joints with dissimilar substrates, verify adhesion to end of the substrates of the substrat</li></ul>
		2.	(7.1.1-7.1.5). Other performance criteria:			substrate separately; extend cut along one side, verify adhesion to opposite side. Repeat procedure for opposite
			<ul><li>a. Strength: ASTM E1745 Class A.</li><li>b. Thickness: 15 mils minimum</li></ul>		В.	side. Compatibility: Provide joint sealants, backing, and other related
		3.	Provide third party documentation that all testing was performed on a single production roll per ASTM E1745			materials that are compatible with on another and with joint substrates under conditions of service and application, as
			Section 8.1			demonstrated by joint-sealant manufacturer, based on testing an field experience.
	В.	Vapor r 1.	etarder products: Basis of Design: Stego Wrap Class A Vapor Retarder by		C.	Suitability for Immersion in Liquids: Where sealants are indicated Use I for joints that will be continuously immersed in liquids, prov
			Stego Industries LLC., (877) 464-7834 HYPERLINK "http://www.stegoindustries.com"			products that have undergone testing according to ASTM C 124 Liquid used for testing sealants is deionized water,U.N.O
		www.st 2.	egoindustries.com. Other Approved Manufacturers: Subject to compliance with		D.	Stain-Test-Response Characteristics: Where sealants are specif to be non-staining to porous substrates, provide products that ha
			a. GCP Applied Technologies (formerly Grace		E.	undergone testing according to ASTM C 1248. Suitability for Contact with Food: Where sealants are indicated for
			<ul><li>Construction Products); www. gcp.com.</li><li>B. Raven Industries, Inc.; www.ravenefd.com.</li></ul>			joints that will come in contact with food, provide products that comply with 21 CFR 177.2600.
	C.		c. W. R. Meadows; www.wrmeadows.com SORIES (Listed accessories comply with Stego system. If	2.1	PRODU	
			anufacturer is used provide same manufacturers nended accessories.)		A.	Acrylic Latex Joint Sealants: ASTM C 834, Type O, Grade NF. Application: Perimeter joints between interior wall surfaces, fram
		1.	Seams: a. Stego Tape			of interior doors, windows, elevator entrances etc. Paintable. 1. BASF Building Systems; Sonoloc
		2.	Sealing Penetrations of Vapor Retarder: a. Stego Mastic			<ol> <li>Bostik Inc.; Chem-Calk 600</li> <li>May National Assoc.; Bondaflex 600</li> </ol>
		3.	b. Stego Tape Perimeter/edge seal:			<ol> <li>Pecora Corp.; AC-20+</li> <li>Schnee-Morehead, Inc.; SM8200</li> </ol>
			a. Stego Crete Claw b. Stego Term Bar		В.	6. Tremco Inc.; Tremflex 834 Acrylic Latex Sealants: ASTM C 834, Type O, Grade NF, non-
			c. StegoTack Tape (double-sided sealant tape)			staining, paintable. Application: Interior perimeter and concealed joints of acoustic partitions
1	INSTAL A.	Extend	OF VAPOR RETARDERS ON FRAMING vapor retarders to extremities of areas to protect from vapor			<ol> <li>Miracle SCS-100</li> <li>Pecora Corp.; AC-20 FTR Acoustical and Insulation</li> </ol>
		retarde	ssion. Secure vapor retarders in place with adhesives, vapor r fasteners, or other anchorage system as recommended by			Sealant. 3. US Gypsum Co,;SHEETROCK Acoustical Sealant.
		in insula	cturer. Extend vapor retarders to cover miscellaneous voids ated substrates, including those filled with loose-fiber		C.	Urethane Joint Sealants: Type M, Grade NS, Class 25, Uses (exposure) T and NT, Uses (substrates) M, A, O Application:
	В.		rtical joints in vapor retarders over framing by lapping no			Exterior vertical and horizontal non traffic joints in CIP and preca concrete, exterior control and expansion joints, exterior perimete
		to vapo	nan two studs and sealing with vapor-retarder tape according r-retarder manufacturer's written instructions. Locate all			joints at frames of doors, windows, and louvers, vertical joints on exposed surfaces of interior concrete, vertical control and expan
	C.	Seal joi	ver framing members or other solid substrates. nts caused by pipes, conduits, electrical boxes, and similar			joints on exposed interior surfaces of exterior walls. 1. BASF Building Systems; Sonolostic NP 2
		an airtig	enetrating vapor retarders with vapor-retarder tape to create ght seal between penetrating objects and vapor retarders.			<ol> <li>May National Assoc.; Bondaflex PUR 2 NS</li> <li>Pacific Polymers;Elasto-Thane 227 High Shore Type II</li> </ol>
	D.	concea	tears or punctures in vapor retarders immediately before Iment by other work. Cover with vapor-retarder tape or			<ol> <li>Pecora Corp.; Dynatred</li> <li>Sika Corp.; Sikaflex - 2c NS or Sikaflex 2c EZ mix</li> </ol>
			layer of vapor retarders.		D.	6. Tremco; Vulkem 240 FC or Vulkem 227 Urethane Joint Sealants: Type S or M, Grade P, Class 50, Uses
2	INSTAL A.		OF BELOW-SLAB VAPOR RETARDERS RATION			(exposure) T and NT, Uses (substrates) M, A, O (brick & cerami- tile) Application:Interior ceramic tile expansion, control, contraction
		1.	Ensure that subsoil is approved by Architect or Geotechnical Engineer.			and isolation joints in horizontal traffic surfaces, exterior horizontal nontraffic and traffic isolation and contraction joints in CIP concre
	В.		a. Level and compact base material. LATION (Installation instruction listed per Stego System. If			slabs. 1. Type M (multi-component)
		recomn	nanufacture is used install per that, manufacturers nended installation instructions.			<ul><li>a. Polymeric Systems, Inc.; PSI-270</li><li>b. Sonneborn, Division of ChemRex; SL 2</li></ul>
		1.	Install vapor retarder in accordance ASTM E1643. a. Unroll vapor retarder with the longest dimension			c. Tremco Inc.; Dymeric 240 FC d. Pecora Corp.; Dynatrol II-G
			parallel with the direction of the concrete placement and face laps away from the expected			e. Sika Corp.; Sikaflex - 2c SL 2. Type S (single-component)
			<ul><li>direction of the placement whenever possible.</li><li>b. Extend vapor retarder to the perimeter of the slab.</li></ul>		_	a. Polymeric Systems, Inc.; PSI-901 b. Pacific Polymers Int.; Elasto-Thane 230 LM Typ
			If practicable, terminate it at the top of the slab, otherwise (a) at a point acceptable to the structural		E.	Silicone Joint Sealants: Type S, Grade NS, Class 25, Uses (exposure) NT, Uses (substrates) G, A, O (ceramic tilel)Applicati
			engineer or (b) where obstructed by impediments, such as dowels, waterstops, or any other site			Interior joints between plumbing fixtures and adjoining walls, floo and counters.
			condition requiring early termination of the vapor retarder. At the point of termination, seal vapor			<ol> <li>Mildrew-Resistant Neutral-Curing Silicone Sealant         <ol> <li>Pecora Corp.; 898</li> <li>Mildrew Resistant Asid Omion Silicone Sealant</li> </ol> </li> </ol>
			retarder to the foundation wall, grade beam or slab itself.			2. Mildew-Resistant Acid-Curing Silicone Sealant a. Dow Corning; 786 Mildew Resistant
			1) Seal vapor retarder to the entire perimeter wall or footing/grade beam with double			<ul> <li>b. GE Silicones; Sanitary SCS1700</li> <li>c. Sonneborn, Division of ChemRex; OmniPlus</li> <li>d. Transact Tarmail 200 W/bits</li> </ul>
			sided StegoTack Tape, or both Stego Term Bar and StegoTack Tape, per			d. Tremco; Tremsil 200 White
			manufacturer's instructions. Ensure the concrete is clean and dry prior to adhering			
			tape.			
			c. Overlap joints 6 inches and seal with manufacturer's seam tape.			
			d. Apply seam tape/Crete Claw to a clean and dry vapor retarder.			
			e. Seal all penetrations (including pipes) per manufacturer's instructions.			
			f. For interior forming applications, avoid the use of non-permanent stakes driven through vapor			
			barrier. Use Beast Form Stake and Beast Foot as a vapor barrier-safe forming system. Ensure Beast			
			Foot's peel-and-stick adhesive base is fully adhered to the vapor barrier.			
			g. If non-permanent stakes must be driven through vapor retarder, repair as recommended by vapor			
			<ul> <li>retarder manufacturer.</li> <li>b. Use reinforcing bar supports with base sections</li> <li>that eliminate or minimize the notantial for numeture.</li> </ul>			
			that eliminate or minimize the potential for puncture of the vapor retarder.			
			i. Repair damaged areas with vapor retarder material of similar (or better) permeance, puncture and			
			j. For vapor barrier-safe concrete screeding			
			applications, install Beast Screed (vapor barrier- safe screed system) per manufacturer's			
	C.	PROTE	instructions prior to placing concrete.			
		1.	Protect vapor retarders from damage until concealed by permanent construction.			
			•			

T SEALANTS	<u>08 11 ′</u>	13	HOLLOW METAL DOORS AND FRAMES	<u>08 36</u>	<u>5 13 S</u>
ic Latex joint sealants	1.1	SUMM/ A.	ARY Standard hollow metal doors and frames	1.1	S A
ane joint sealants ne joint sealants		В.	Related Requiremnets: 1. Section 09 91 00 "Painting" for coordination of paint colors	1.2	S
ed Requirements: Section 08 80 00 "Glazing" for coordination of glazing			and finishes. 2. Refer to Drawings for Door Hardware.		A
sealants. Section 13 34 19 "Metal Building Systems" for coordination	1.2	QUALI	TY ASSURANCE		В
of roofing sealants.		A.	Obtain hollow metal work from single source from single manufacturer.		
SURANCE onstruction Field-Adhesion Testing: Before installing sealants,		В.	Verify actual dimensions of openings by field measurement before fabrication.	2.1	P A
est adhesion to Project joint substrates as follows: For joints with dissimilar substrates, verify adhesion to each	1.3				_
substrate separately; extend cut along one side, verify adhesion to opposite side. Repeat procedure for opposite		A.	Fire-Rated Assemblies: Complying with NFPA 80 and listed and labeled by a qualified testing agency acceptable to AHJ, based on		В
side. batibility: Provide joint sealants, backing, and other related rials that are compatible with on another and with joint		В.	testing at positive pressure according to NFPA 252 or UL 10C. Smoke and Draft-Control Assemblies: Provide an assembly with		
rates under conditions of service and application, as postrated by joint-sealant manufacturer, based on testing and			gaskets listed and labeled by a qualified testing agency acceptable to the AHJ based on testing according to UL 1784 and installed in compliance with NFPA 105.		
experience. bility for Immersion in Liquids: Where sealants are indicated for		C.	Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B,; suitable for exposed applications.		
for joints that will be continuously immersed in liquids, provide licts that have undergone testing according to ASTM C 1247.		D.	Hot-Rolled Steel Sheet: ASTM A 1011/A 1011M, Commercial Steel (CS), Type B; free of scale, pitting, or surface defects; pickled and		
d used for testing sealants is deionized water,U.N.O -Test-Response Characteristics: Where sealants are specified		E.	oiled. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial		
non-staining to porous substrates, provide products that have rgone testing according to ASTM C 1248.			Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.		
bility for Contact with Food: Where sealants are indicated for that will come in contact with food, provide products that		F.	Frame Anchors: ASTM A 591/A 591M, Commercial Steel (CS), 40Z (12G) coating designation; mill phosphatized.		
bly with 21 CFR 177.2600.		G. H.	Inserts, Bolts, and Fasteners: Hot-dip galvanized. Grout: ASTM C 476, except with a maximum slump of 4 inches, as		
ic Latex Joint Sealants: ASTM C 834, Type O, Grade NF.			measured according to ASTM C 143/C 143M.		
cation: Perimeter joints between interior wall surfaces, frames erior doors, windows, elevator entrances etc. Paintable.	2.1	PRODL A.	Manufacturers: Subject to compliance with requirements, but not		
BASF Building Systems; Sonoloc Bostik Inc.; Chem-Calk 600			limited to the following: 1. Amweld Building Products		
May National Assoc.; Bondaflex 600 Pecora Corp.; AC-20+			<ol> <li>Ceco Door Products</li> <li>Steelcraft</li> </ol>		
Schnee-Morehead, Inc.; SM8200 Tremco Inc.; Tremflex 834			<ol> <li>Curries Company</li> <li>Benchmark</li> </ol>		
ic Latex Sealants: ASTM C 834, Type O, Grade NF, non- ng, paintable. Application: Interior perimeter and concealed		В.	6. Security Metal Products Interior Doors and Frames: NAAMM-HMMA 861, cold-rolled steel		~
of acoustic partitions Miracle SCS-100			sheet: 1. Doors:		C
Pecora Corp.; AC-20 FTR Acoustical and Insulation Sealant.			<ul> <li>a. Design: Flush panel</li> <li>b. Thickness: 1-3/4 inches</li> <li>c. Level 2 and Develop Parformance Level 4 (Extra</li> </ul>		
US Gypsum Co,;SHEETROCK Acoustical Sealant. ane Joint Sealants: Type M, Grade NS, Class 25, Uses			c. Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 2 (seamless)		
osure) T and NT, Uses (substrates) M, A, O Application: ior vertical and horizontal non traffic joints in CIP and precast			<ul> <li>d. Finish: Factory primed, field painted</li> <li>e. Fabricate with reinforcing plates from same</li> </ul>		
rete, exterior control and expansion joints, exterior perimeter at frames of doors, windows, and louvers, vertical joints on			f. Fabricate concealed stiffeners and hardware locations f. Fabricate concealed stiffeners and hardware reinforcement from either cold rolled or hot rolled		
sed surfaces of interior concrete, vertical control and expansion on exposed interior surfaces of exterior walls. BASF Building Systems; Sonolostic NP 2			<ol> <li>Frames: mitered or coped corners, full profile welded, .053</li> </ol>		
May National Assoc.; Bondaflex PUR 2 NS Pacific Polymers;Elasto-Thane 227 High Shore Type II		C.	inch thick steel sheet (16 ga)., factory primed, field painted. Exterior Doors and Frames: NAAMM-HMMA 86, Metallic coated		
Pecora Corp.; Dynatred Sika Corp.; Sikaflex - 2c NS or Sikaflex 2c EZ mix		0.	steel sheet: 1. Doors:		
Tremco; Vulkem 240 FC or Vulkem 227 ane Joint Sealants: Type S or M, Grade P, Class 50, Uses			a. Design: Flush panel b. Thickness: 1-3/4" inches		
osure) T and NT, Uses (substrates) M, A, O (brick & ceramic Application:Interior ceramic tile expansion, control, contraction,			c. Level 3 and Physical Performance Level A (Extra Heavy Duty), Model 2 (seamless)		
solation joints in horizontal traffic surfaces, exterior horizontal affic and traffic isolation and contraction joints in CIP concrete			<ul> <li>d. Finish: Factory primed, field painted</li> <li>e. Thermal-Rated (insulated), R-value not less than</li> </ul>	3.1	E A
Type M (multi-component)			<ol> <li>6.0 deg F x h X sq ft./Btu.</li> <li>Frames: Mitered or coped corners, full profile welded, .053</li> </ol>		,,
a. Polymeric Systems, Inc.; PSI-270 b. Sonneborn, Division of ChemRex; SL 2		D.	inch thick steel sheet (16 ga), factory primed, field painted. Accessories		
c. Tremco Inc.; Dymeric 240 FC d. Pecora Corp.; Dynatrol II-G			<ol> <li>Jamb Anchors:</li> <li>a. Masonry Type: Adjustable strap-and-stirrup or T-</li> </ol>		
e. Sika Corp.; Sikaflex - 2c SL Type S (single-component)			shaped anchors not less than .042 inch thick or wire anchors not less than .177 inch thick. Locate		
<ul><li>a. Polymeric Systems, Inc.; PSI-901</li><li>b. Pacific Polymers Int.; Elasto-Thane 230 LM Type II</li></ul>			anchors no more than 18 inches from top and bottom of frame. Space anchors not more than 32		
ne Joint Sealants: Type S, Grade NS, Class 25, Uses osure) NT, Uses (substrates) G, A, O (ceramic tilel)Application:			inches o.c. b. Stud-Wall Type: Designed to engage stud, welded		
or joints between plumbing fixtures and adjoining walls, floors, counters.			to back of frames; not less than .042 inch thick. Locate anchors no more than 18 inches from top		
Mildrew-Resistant Neutral-Curing Silicone Sealant a. Pecora Corp.; 898			and bottom of frame. Space anchors not more than 32 inches o.c.		
Mildew-Resistant Acid-Curing Silicone Sealant a. Dow Corning; 786 Mildew Resistant			c. Post installed Expansion for in-place concrete or masonry: min. 3/8 inch diameter bolts with		
<ul><li>b. GE Silicones; Sanitary SCS1700</li><li>c. Sonneborn, Division of ChemRex; OmniPlus</li></ul>			expansion shields or inserts. Provide pipe spacer from frame to wall with throat reinforcement plate,		
d. Tremco; Tremsil 200 White			welded to frame at each anchor location. Locate anchors not more than 6 inches from top and		
			bottom of frame, space anchors not more than 26 inches.		<u>08 5</u>
			<ol> <li>Stops and Moldings         <ul> <li>Moldings and loose stops for glazed lites in doors:</li> <li>Min 022 inch thick fabricated from some material</li> </ul> </li> </ol>		1.1
			Min .032 inch thick, fabricated from same material as door face sheet. b. Fixed frame moldings: Formed integral with hollow		1.1
			metal frames, a min. 5/8 inch high, provide on outside of exterior doors and secure side of interior		
			<ol> <li>Boor Silencers: Except on weather-stripped doors, drill</li> </ol>		1.2
			stops to receive door silencers as follows: a. Single door frames: Drill stop in strike jamb for		
			<ul><li>b. Double door frames: Drill stop in head jamb for two</li></ul>		1.3
			<ul><li>silencers.</li><li>Ceiling Struts: Min. 1/4 inch thick by 1 inch thick</li></ul>		
	3.1	EXECU	· · ·		
		A.	Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set.		
		В.	Field apply bituminous coating to backs of frames that are filled with grout containing anti-freezing agents.		
		C.	Metal stud partitions: Solidly pack mineral-fiber insulation behind frames. Concrete walls: Solidly fill space between frames and		
			concrete with grout. Brace frames as necessary to prevent deformation or damage by grout forces.		
		D.	Ceiling struts: extend struts vertically from top of frame at each jamb to header unless frame is anchored to masonry or other structural		
			support at each jamb. Bend top of struts to provide flush contact for securing to supporting construction. Provide adjustable wedged or		
		E.	bolted anchorage to frame jamb members. Fit hollow metal doors in frames within clearances specified:		
			<ol> <li>Non-fire-rated doors:</li> <li>a. Jambs and heads: 1/8 inch plus or minus 1/16</li> </ol>		
			b. Between edges of pair of doors: 1/8 inch plus or		
			minus 1/16 inch.		

#### minus 1/16 inch.

- Between bottom of door and top of threshold: Max. C. 3/8 inch.
- Between bottom of door and top of finish floor: Max d. 3/4 inch.
- Fire-rated doors: Install according to NFPA 80 Smoke-control doors: Install according to NFPA 105

08 36 13 SECTIONAL DOORS	

<u>13 SE</u>	CTIONAL	DOORS	2.1	PRODU	
	/MARY	nead Sectional Doors.		A.	Manufacturers: See d comparable product b
Α.					1. JeldWen 2. Milgard
SUE A.	3MITTALS Shop	Drawings: Indicate opening dimensions and required			<ol> <li>Pella</li> <li>Marvin</li> </ol>
		nces, connection details, anchorage spacing, hardware ons, and installation details.		В.	5. Simonton Framing Members: Vi
В.	Produ	ict Data: Show component construction, anchorage method, vare, and accessories.		D.	extrusions, formulated complying with AAMA
	DUCTS				<ol> <li>PVC Resins:</li> <li>PVC Formula</li> </ol>
Α.	Manu 1.	facturers: Wayne-Dalton.			nonchalking, 3. Extrusion Wa
B.	2. Basis	Overhead Door Company. of Design: Thermospan Model 150 manufactured by			4. Multichamber chambers be
Β.	Wayr	e-Dalton.			extrusion.
	1.	Steel Doors: Flush steel, Insulated: follow the roof pitch operating style with track and hardware; complying with			5. Intregral Finis interior and e
	2.	DASMA 102, Commercial operation. Performance: Withstand positive and negative wind loads		C.	standard colo Fasteners: Aluminum
		equal to 1.5 times design wind loads specified by local code without damage or permanent set, when tested in accordance with ASTM E330/E330M, using 10 second		0.	or other materials war and compatible with v hardware, anchors, an
	3.	duration of maximum load. Door Nominal Thickness: 2 inches thick.	3.1	EXECU	ITION
	4.	Thermal Resistance: U-value of 0.310, maximum, for overall thickness indicated.		A.	Factory-glazed Fabric united inches, glaze v
	5.	Exterior Finish: Factory finished with polyester baked			possible.
		enamel; color as selected from manufacturers standard line.		В.	Install windows level, or impeding thermal n
	6.	Interior Finish: Factory finished with polyester baked enamel; color as selected from manufacturers standard			structural support, and adjacent construction.
	7.	line. Glazed Lights: Full-view lites, one row; set in place with		C.	Set sill members in be
		resilient glazing channel.			weather tight construction installation.
	8. 9.	Operation: electric with backup chain hoists. Door Panels: steel construction; outer steel sheet of 20 gage, 0.0359 inch minimum thickness, flush profile; inner		D.	Remove film from gla glass with mild soap a
		steel sheet of 28 gauge, 0.015 inch minimum thickness, flat profile; core reinforcement sheet steel roll formed to channel shape, rabbeted weather joints at meeting rails;	<u>08 80 (</u>	00	GLAZING
	10.	polyurethane insulation. Window Frame: manufacturers standard, painted to match.	1.1	SUMM	
	11.	Glazing: fully tempered glass; insulated; clear; 1/2 inch thick.		A.	Glazing for windows
C.		ponents:	1.3	PERFC A.	RMANCE CRITERIA General: Installed glaz
	1.	Track: rolled galvanized steel, 0.090 inch minimum thickness; 2 inch wide, continuous one piece per side;		A.	movement and wind a
	2.	galvanized steel mounting brackets 1/4 inch thick. Hinge and Roller Assemblies: Heavy duty hinges and			failure, including loss defective manufacture
	۷.	adjustable roller holders of galvanized steel; floating			or gaskets to remain w materials; or other def
		hardened steel bearing rollers, located at top and bottom of each panel, each side.		В.	Thermal movements:
	3.	Lift Mechanism: Torsion spring on cross head shaft, with braided galvanized steel lifting cables.			and surface temperate and glazing component
	4.	Sill Weatherstripping: Roll formed steel section full height of		C.	180 deg F material su Safety glazing labeling
		jamb, fitted with resilient weatherstripping, placed in moderate contact with door panels.		0.	permanently mark gla
	6.	Head weatherstripping: EPDM rubber seal, one piece full length.			another certification a jurisdiction or the man
	7.	Panel Joint Weatherstripping: Neoprene foam seal, one			name, type of glass, the which glass complies.
	8.	piece full length. Lock: inside center mounted, adjustable keeper, spring	2.1	PRODL	
		activated latch bar with feature to retain in locked or retracted position; interior and exterior handle.	2.1	A.	Insulating Glass Units
FXF	CUTION				lites of glass separate according to ASTM E
A.	Instal	lation:			specified. 1. Sealing syste
	1.	Install door unit assembly in accordance with manufacturer's instructions.			primary and s
	2.	Anchor assembly to wall construction and building framin without distortion or stress.			2. Spacer: Man construction
	3.	Securely brace door tracks suspended from structure. Secure tracks to structural members only.		B.	3. Desiccant: M General: Solar Contro
	4.	Fit and align door assembly including hardware.		C.	Basis of Design Produ
	5.	Coordinate installation of electrical service. Complete power and control wiring from disconnect to unit			Clear Low E #2 1. Overall unit th
	6	components.			1/4 inch 2. Interspace co
	6. 7.	Install perimeter trim and closures. Mount bottom reflector for the photo-electric switch at 18			3. Indoor Lite: T
		inches above the top of concrete slab. Mount the photo cell at 42 inches, diagonally across the opening aimed at an			glass, anneal 4. Outdoor Lite:
		angle to hit the reflector so as to intercept the fire apparatus body if in the door opening.			absorbing an 5. Low-E Coatir
	8.	Mount remote control receiver for hand held transmittors at			<ol> <li>6. Visible Light</li> <li>7. Solar Heat G</li> </ol>
		+60" A.F.F. Individual up/down/stop button controls and radio receivers are to be mounted on the left side of each			8. Outdoor Visit
		overhead door, when facing the doors from the inside of the Bays. Verify exact locations with Owner prior to Installation.			9. Relative Hea
			3.1	EXECU A.	ITION Protect glass edges fr
				73.	Remove damaged gla
08 53 1	3	VINYL WINDOWS			Project site. Damaged imperfections that, wh
1.1	SUMMA	RY Vinyl Framed Windows		B.	performance and app Provide spacers for g
		Related Section		Β.	50 inches. Locate spa
		1. Glazing			inside and outside fac preserve required fac
1.2		Y ASSURANCE Verify actual locations of structural supports for aluminum-framed			of spacers on glass a glazing tape, use thick
		systems by field measurements before fabrication and indicate		C.	thickness of tape.
		measurements on Shop Drawings.		0.	Protect exterior glass attaching crosses stre
1.3		RMANCE CRITERIA Structural Loads:			not apply markers to g and clean surfaces.
	<i>,</i>	a. Wind loads as indicated on structural drawings.		D.	Wash glass on both e
		b. Other loads as indicated on structural drawings. Provide vinyl windows tested for thermal performance according to			more than four days b establish date of subs
		AAMA/WDMA 101/I.S.2/NAFS. Performance class and grade: CW40			
	C.	Condensation-Resistance Factor (CRF): Provide vinyl windows			
		tested for thermal performance according to AAMA 1503, showing a CRF of 52.			
		Thermal Transmittance: Provide vinyl windows with a whole- window, U factor max. indicated at 15-mph exterior wind velocity			
		and winter condition temperatures when tested according to AAMA			
		1503. U-Factor: 0.35 Btu/sq.ft.x h xdeg F or less. Solar Heat Gain Coefficient (SHGC): Provide vinyl windows with a			
		whole-window SHGC max. of 0.34, determined according to HFRC			

- whole-window SHGC max. of 0.34, determined according to HFRC 200 procedures. F. Sound Transmission Class (STC): Provide glazed windows rated for
- not less than 35 STC when tested for laboratory sound transmission loss according to ASTM E 90 and determined by ASTM E 413. Air Infiltration: Max. rate not more than indicated when tested G.
- according to AAMA/WDMA 101/I.S.2/NAFS, Air Infiltration Test. Max. Rate: 0.3. cfm/sq.ft. of area at an inward test pressure of 6.24 lbf/sq. ft. (300 Pa).
- Н. Water Resistance: No water leakage as defined by AAMA/WDMA referenced test methods at a water test pressure equaling that indicated, when tested according to AAMA/WDMA 101/I.S.2/NAFS, Water Resistance Test. Test Pressure: 20 percent of positive design pressure, but not more than 15 lb/sq.ft. (720 Pa).

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Pacific Polymers Int.; Elasto-Thane 230 LM Type II
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#### 2.1 PRODUCTS Manufacturers: See drawings for basis of design system or

comparable product by one of, but not limited to, the following:

- JeldWer Mildard
- Pella Marvin

Framing Members: Vinyl to be rigid (unplasticized) hollow PVC extrusions, formulated and extruded for exterior applications,

- complying with AAMA/WDMA 101/I.S.2/NAFS and the following: PVC Resins: 100 percent virgin resin.
- PVC Formulation: High impact, low heat buildup, lead free, 2.
- nonchalking, and color and UV stabilized. Extrusion Wall Thickness: Not less than 0.125 inch
- Multichamber Extrusions: Profile designed with two chambers between interior and exterior faces of the
- extrusion 5.
- Intregral Finish and Color: uniform, solid, homogenous interior and exterior color as selected from manufacturer's standard colors.

Fasteners: Aluminum, nonmagnetic stainless steel, epoxy adhesive, or other materials warranted by manufacturer to be noncorrosive and compatible with vinyl window members, cladding, trim, hardware, anchors, and other components.

#### EXECUTION

Factory-glazed Fabrication: Except for light sizes in excess of 100 united inches, glaze vinyl windows in the factory where practical and possible.

Install windows level, plumb, square, true to line, without distortion or impeding thermal movement, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction.

Set sill members in bed of sealant or with gaskets as indicated for weather tight construction. Shim jambs as needed for a straight

installatio Remove film from glass and clean exterior and interior surface and

glass with mild soap and water.

#### 00 GLAZING

PERFORMANCE CRITERIA A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.

Thermal movements: allow for thermal movements from ambient and surface temperature changes acting on glass framing members and glazing components: Temperature change 120 deg F ambient; 180 deg F material surface.

Safety glazing labeling: where safety glazing labeling is indicated, permanently mark glazing with certification label of the SGCC or another certification agency acceptable to authorities having jurisdiction or the manufacturer. Label shall indicate manufacturer's name, type of glass, thickness, and safety glazing standard with which glass complies.

#### PRODUCTS

Insulating Glass Units: Factory-assembled units consisting of sealed lites of glass separated by a dehydrated interspace, qualified according to ASTM E 2190, and complying with other requirements specified.

- Sealing system: Dual seal, with manufacturer's standard 1. primary and secondary. Spacer: Manufacturer's standard spacer material and
- construction 3. Desiccant: Molecular sieve or silica gel, or blend of both.
- General: Solar Control Low-E Insulating Glass. Basis of Design Product: Oldcastle Glass, PPG Solarban 60 on
- Clear Low E #2 Overall unit thickness and thickness of each lite: 1 inch and 1. 1/4 inch
- Interspace content: air
- Indoor Lite: Type 1 (transparent glass, flat), class 1 float 3. glass, annealed.
- Outdoor Lite: Type 1 (transparent glass, flat), class 2 (heat 4.
- absorbing and light reducing) float glass, annealed. Low-E Coating: Sputtered on second surface.
- Visible Light Transmittance: 35 percent
- Solar Heat Gain Coefficient: 0.33 maximum 7 Outdoor Visible Reflectance: 6 percent
- Relative Heat Gain: 58-66 9.

#### EXECUTION

Protect glass edges from damages during handling and installation. Remove damaged glass from Project site and legally dispose of off Project site. Damaged glass is glass with edge damage or other imperfections that, when installed, could weaken glass and impair performance and appearance.

Provide spacers for glass lites where length plus width is larger than 50 inches. Locate spacers directly opposite each other on both inside and outside faces of glass. Install correct size and spacing to preserve required face clearances. Provide 1/8 inch minimum bite of spacers on glass and use thickness equal to sealant width. With glazing tape, use thickness slightly less than final compressed

thickness of tape. Protect exterior glass from damage immediately after installation by attaching crosses streamers to framing held away from glass. Do not apply markers to glass surface. Remove nonpermanent labels and clean surfaces.

Wash glass on both exposed surfaces in each area of Project not more than four days before date scheduled for inspections that establish date of substantial completion.



524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

**BANDON SCHOOL DISTRICT #54** 455 9TH STREET SW BANDON, OR 97411

#### **BANDON SCHOOL DISTRICT NEW BUS** BARN







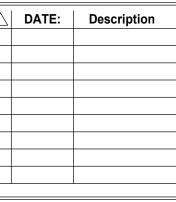
PROJECT NO.	G-1533-22
DRAWN:	LJS
CHECKED:	DDS
DATE:	02-13-2024

#### SPECIFICATIONS



09 21 16	GYPSUM BOARD ASSEMBLIES	09 91 00 PAINTING	10 05 23 FIRE EXTINGUISHERS AND CABINETS	
	IMARY	1.1 SUMMARY	1.01 SUMMARY	
A. B.	Interior gypsum wallboard Exterior gypsum sheathing	A. Interior painting B. Exterior painting	A. Provide fire extinguishers and cabinets.	
C.	Cementitious backer board	1.2 REGULATORY AGENCY REQUIREMENTS	1.02 SUBMITTALS A. Product Data: Submit manufacturer's product data and installation	
2.1 PRO A.	DUCTS Gypsum Wallboard: ASTM C 36, Type X, tapered, 5/8-inch	A. Removal of any Lead-base Paint Products (exceeding 20 ft of exterior surface or 6 sq ft of interior surface) must be performed by	instructions for each material and product used. B. Shop Drawings: Submit shop drawings indicating material	
В.	thickness Abuse-Resistant and Water-Resistant Gypsum Wallboard: Type X,	Workers who have been pre-certified by EPA. B. Existing structure is older than 1978, therefore, comply with Federal	characteristics, details of construction, connections, and relationship with adjacent construction.	
	tapered, 5/8-inch thickness 1. USG Fiberrock Brand VHI (Very High Impact) Abuse-	Dust Removal Law requirements including the following: 1. Provide HEPA Filter equipped vacuums and other	1.03 QUALITY ASSURANCE	
	Resistant Gypsum Fiber Panels 2. National Gypsum Co. Hi Abuse XP or Hi Impact XP	necessary dust-removal tools	A. Comply with governing codes and regulations. Provide products of acceptable manufacturers which have been in satisfactory use in	DDT
C.	Moisture and Mold Resistant Gypsum Wallboard: ASTM C1396,ASTM D3273, regular, tapered, 5/8" thickness	<ul> <li>SITE CONDITIONS</li> <li>A. Perform work only under the following conditions, unless otherwise</li> </ul>	similar service for three years. Use experienced installers. Deliver, handle, and store materials in accordance with manufacturer's	
D.	Perforated Gypsum Board: 1/2" thickness, GypSorb, see Finish Schedule for type and pattern.	instructed by Manufacturer: 1. Maximum relative humidity: 85%	instructions. B. Standards: UL and FM listed products, NFPA 10.	$L \cup D$
E.	Exterior Gypsum Sheathing: ASTM C 1177/1177M, Type X, 5/8-inch thickness	<ol> <li>Ambient air temperatures are between 50 degrees and 95 degrees F.</li> </ol>	C. Regulations: ADAAG.	E N G I N E E R I N G A R C H I T E C T U R E
	<ol> <li>CertainTeed Corp.; GlassRoc</li> <li>Georgia-Pacific Building Products; Dens-Glass Gold</li> </ol>	B. Maximum moisture content of substrates, when measured with an electronic moisture meter:	2.01 MATERIALS A. Manufactures: J. L. Industries, Larsen's Manufacturing, Potter-	524 Main Street, Suite 2, Oregon City,
	<ol> <li>National Gypsum Company; Gold Bond eXP Extended Exposure Sheathing</li> </ol>	<ol> <li>Concrete: 12%</li> <li>Masonry (clay and CMU): 12%</li> </ol>	Roemer, or approved equal. B. Fire Extinguishers:	Oregon 97045   503-659-2205
	<ol> <li>Temple-Inland Building Products by Georgia Pacific; GreenGlass Exterior Sheathing</li> </ol>	<ol> <li>Wood: 15%</li> <li>Portland cement plaster: 12%</li> </ol>	<ol> <li>Type: Multipurpose dry chemical type.</li> <li>Rating: Sized for project requirements.</li> </ol>	
F.	5. USG Co.;Securock Cementitious Backer Board: ANSI A118.9 or ASTM C1325,	5. Gypsum board: 12%	<ol> <li>Public Area Mounting: Cabinet mounted.</li> <li>Service Area Mounting: Metal brackets.</li> </ol>	BANDON SCHOOL DISTRICT #54 455 9TH STREET SW
	thickness 5/8-inch 1. Custom Building Products: Wonderboard	<ul><li>2.1 EXTERIOR PAINTING SCHEDULE</li><li>A. Basis of Design is Sherwin Williams, see Finish Schedule for colors.</li></ul>	C. Cabinets: 1. Mounting: Semi-recessed.	BANDON, OR 97411
G.	<ol> <li>USG Corporation: Durock Cement Board Trim Accessories: Corner beads, edge trim, and control joints</li> </ol>	<ul> <li>B. Concrete</li> <li>1. Previously coated surfaces: Loxon Conditioner</li> </ul>	<ol> <li>Trim: Exposed.</li> <li>Doors: Enameled steel, baked enamel finish.</li> </ol>	
	complying with ASTM C 1047. Material: formed metal, plastic, or metal combined with paper. Metal to be sheet steel zinc-coated by	<ol> <li>Primer: Loxon Concrete &amp; Masonry Primer Sealer</li> <li>(2) Top coats: A5-400 ConFlex XL Smooth Elastomeric</li> </ol>	4. Door Style: Duo-panel.	BANDON SCHOOL
	hot-dip process or electrolytic processes, or with aluminum or rolled zinc.	High Build Coating C. CMU	3.01 INSTALLATION A. Install materials and systems in accordance with manufacturer's	DISTRICT NEW BUS
3.1 EXEC	CUTION	<ol> <li>Previously coated surfaces: Loxon Conditioner</li> <li>Primer: Loxon Block Surface</li> </ol>	instructions and approved submittals. Install materials and systems in proper relation with adjacent construction and with uniform	BARN
А.	On ceilings, apply gypsum panels prior to wall/partition board application to the greatest extent possible. Gypsum panels can be	3. (2) Top coats: A5-400 ConFlex XL Smooth Elastomeric High Build Coating	appearance. Coordinate with work of other sections. B. Install fire extinguishers in mechanical and service areas with wall-	
	installed parallel to framing at max. 16-inches on center, perpendicular to framing at max. 24-inches on center.	D. Metal 1. Primer: Pro-Industrial Pro-Cryl Universal Primer	hung brackets at locations and heights indicated and acceptable to authorities having jurisdiction.	
В.	On walls, install gypsum panels vertically (parallel to framing) on framing at max. 24-inches on center. Stagger abutting end joints of	2. (2) Top coats: Pro Industrial Water Based Acrolon 100 Urethane	C. Install fire extinguishers in cabinets in public areas plumb and level at heights acceptable to authorities having jurisdiction.	
C.	adjacent panels not less than on framing member. Control joints and expansion joints:	E. Wood 1. Primer: Exterior Latex Wood Primer	D. Restore damaged finishes. Clean and protect work from damage.	
	1. Partitions or ceilings: where element crosses a construction joint (expansion or control) in the base building structure.	2. (2) Top coats: A-100 Exterior Latex Satin		1 C RANDON
	<ol> <li>Partitions: uninterrupted run in a straight plane shall not exceed 30 lineal feet.</li> <li>Coilings (with perimeter relief): linear direction shall not</li> </ol>	<ul> <li>2.2 INTERIOR PAINTING SCHEDULE</li> <li>A. Basis of Design is Sherwin Williams, see Finish Schedule for colors. Provide appropriate primer for each substrate per manufacturer.</li> </ul>	10 26 00 WALL PROTECTION	SCHOOL DISTRICT #54
	<ol> <li>Ceilings (with perimeter relief): linear direction shall not exceed 50 feet and total area between control joints shall not exceed 2,500 square feet.</li> </ol>	B. Corridors: 1. Walls: (2) Top coats - Pro Industrial Pre-Catalyzed	1.1 SUMMARY A. Fiberglass Reinforced Wall Panels	
	<ul> <li>4. Ceilings (without perimeter relief): Linear direction shall not exceed 30 feet and total area between control joints shall</li> </ul>	2. Wais. (2) Top coals - FTO industrial FTe-Catalyzed Waterbased Epoxy Semi-Gloss 2. Ceilings: (2) Top coats - ProMar 200 Zero VOC Latex Satin	B. Corner guard	
	not exceed 900 square feet. 5. Ceilings, where framing members change direction.	C. Offices: 1. Walls: (2) Top coats - ProMar 200 Zero VOC Interior Latex	1.2 PERFORMANCE CRITERIA A. FRP: ASTM E84, comply with ASTM D 5319. Laminated backside	
	<ol> <li>Where a control joint occurs in an acoustical or fire-rated system, blocking shall be provided behind the control joint</li> </ol>	D. Ceilings: (2) Top coats - ProMar 200 Zero VOC Latex Eggshell	of panel with moisture resistant sheet. B. Corner Guard: ASTM E84, ASTM F476, and ASTM D543. Flame	
	by using a backing material such as 5/8-in Type X gypsum or mineral wool.	Restrooms, kitchen, cafeteria, locker rooms: 1. Walls & Ceilings: (2) Top coats - Pro Industrial Waterbased	spread less than 25 and smoke development 450 or less.	
D.	Level of Finish: Provide the following level of gypsum board finish per GA-214	Catalyzed Epoxy Semi-Gloss E. Door Frames, Window Frames, Trim:	2.1 PRODUCTS A. Fiberglass reinforced thermosetting polyester resin panel sheet.	
	<ol> <li>Level 1 for ceiling plenum areas, concealed areas, and where indicated, unless a higher level of finish is required</li> </ol>	1. (2) Top coats - Pro Industrial Acrylic Semi-Gloss F. Exposed Metal Decking or Bar Joists:	<ol> <li>Manufacturer: Construction Specialties or equal</li> <li>Style: Standard FRP</li> </ol>	
	<ul><li>for fire-resistive-rated assemblies.</li><li>2. Level 2 for gypsum board used as a substrate for tile</li></ul>	1. (2) Top coats - Pro Industrial Waterbourne Acrylic Dryfall Egg Shell	<ol> <li>Surface: Smooth</li> <li>Mounting: Construction grade adhesive supplied by</li> </ol>	
	<ol> <li>Level 3 for spray on texture, light orange peel</li> <li>Level 4 for gypsum board to be painted.</li> </ol>	3.1 SURFACE PREPARATION	manufacturer. Panel edges to be concealed with caulk joint or trim option.	
	<ol> <li>Level 5 for gypsum board where applied graphic wall coverings are indicated.</li> </ol>	<ul> <li>A. Aluminum: Remove all oil, grease, dirt, oxide and other foreign material by cleaning per SSPC-SP1 Solvent Cleaning.</li> </ul>	<ol> <li>Color and Texture: As selected by Architect from manufacturer's full range.</li> </ol>	
		<ul> <li>B. CMU &amp; Concrete: Remove all loose mortar and foreign material, fill bug holes, air pockets, and other voids with a cement patching</li> </ul>	B. Surface Mounted PETG Corner Guard. 1. Manufacturer: Acrovyn or equal	
09 65 13	RESILIENT BASE AND ACCESSORIES	C. compound. Concrete and mortar must be cured at least 30 days. C. Cement siding/panels: Wash surface with appropriate cleaner, rinse	<ol> <li>Style: 3" Leg with a 3/8" wall offset</li> <li>Surface: Shadowgrain texture</li> </ol>	
	IMARY	thoroughly and allow to dry. Existing peeled or checked paint should be scraped and sanded to a sound surface.	<ol> <li>Mounting: Manufacturer's recommended instructions</li> <li>Color: See Finish Schedule A0.30</li> </ol>	
A. B.	Thermoset rubber base Rubber transition accessories	D. Interior drywall: All screw/nail heads must be set and spackled, joints taped and mudded, sanded smooth, and all dust removed from surface.	3.1 EXECUTION A. Complete finishing operations, including painting, before installing	
1.2 EXTR	RA MATERIALS	from surface. E. Galvanized metal: Clean per SSP-SP1 using detergent or a degreasing cleaner to remove greases and oils.	<ul> <li>A. Complete missing operations, including painting, before installing wall protection.</li> <li>B. Before installation, clean substrate to remove dust, debris, and</li> </ul>	
Α.	Furnish 1 box of each type, color, pattern, and size of extra materials that match products installed and that are packaged with	F. Plaster: Damaged areas must be repaired with an appropriate patching material. Bare plaster must be cured and hard. Textured,	<ul> <li>Defore installation, clean substrate to remove dust, debns, and loose particles.</li> <li>C. For Impact-resistant wall protection units attached with adhesive or</li> </ul>	
	protective covering for storage and identified with labels describing contents.	soft, porous, or powdery plaster should be treated with a solution of 1 pint household vinegar to 1 gallon of water. Repeat until surface is	foam tape, verify compatibility with and suitability of substrates, including compatibility with existing finishes or primers.	
2.1 PRO	DUCTS	<ul> <li>and a pint household vinegar to 1 gallon of water. Repeat until surface is hard, rinse with clear water, and allow to dry.</li> <li>G. Steel: Remove all loose mill scale, loose rust, and other foreign</li> </ul>	D. Install wall protection according to manufacturer's written instructions, level, plumb, and true to line without distortions. Do not	
А.	Thermoset Rubber Base: 1. ASTM F 1861, Type TS, Group 1 (solid	material. Clean with solvent per SSPC-SP1, removing all visible oil, grease, soil, drawing and cutting compounds. Change rags and	use materials with chips, cracks, voids, stains, or other defects that might be visible in the finished work.	
	homogeneous), .125-inch thickness. 2. Style and Location:	cleaning solution frequently. H. Wood: knots, pitch streaks must be scraped, sanded, and spot	E. Immediately after completion of installation, clean plastic covers and accessories using a standard ammonia-based household cleaning	
	<ul> <li>a. Style A, Straight: Provide in areas with carpet.</li> <li>b. Style B, Cove: Provide in areas with resilient floor</li> </ul>	primed before full priming coat is applied. Patch all nail holes with wood filler or putty and sand smooth.	agent. F. Remove excess adhesive using methods and materials	
	coverings. 3. Outside Corners: Preformed. 4. Inside Corners: Job formed.	I. Mildew: Remove any mildew by scrubbing with trisodium phosphate solution, treat with bleach solution, rinse with clean water, and allow	recommended in writing by manufacturer.	
B.	<ol> <li>Inside Corners: Job formed.</li> <li>Color: See finish schedule for height and color.</li> <li>Rubber Transition Accessories:</li> </ol>	surfaces to complete dry.		
D.	Rubber Transition Accessories:     Rubber reducer strips, transition strips, and carpet nosing     for transitions between flooring finishes. See finish			
C.	schedule for types and locations.			
υ.	<ol> <li>Trowelable Leveling and Patching Compounds: Latex- modified, portland-cement-based or blended hydraulic-</li> </ol>			STERED PROFESS
	cement-based formulation provided or approved by resilient-product manufacturer for applications indicated.			E TIZPE
	<ol> <li>Adhesives: Water-resistant type recommended by resilient- product manufacturer for resilient products and substrate</li> </ol>			
	conditions indicated. 3. Stair-Tread Nose Filler: Two-part epoxy compound			THEGON
	recommended by resilient stair-tread manufacturer to fill nosing substrates that to not conform to tread contours.			ARY A. STOL
	<ol> <li>Floor Polish: Provide protective, liquid floor-polish products recommended by resilient stair-tread manufacturer.</li> </ol>			EXPIRES: 06-30-26
3.1 EXE0	CUTION			△ DATE: Description
A.	Resilient base and accessories: a. Do not install resilient products until materials are the same			
	<ul><li>temperature as space where they are to be installed.</li><li>b. Apply resilient base to walls, columns, pilasters, casework</li></ul>			
	and cabinets in toe spaces and other permanent fixtures. c. Install preformed corners before installing straight pieces.			
	d. On masonry surfaces or other similar irregular substrates, fill voids along top edge of resilient base with manufacturers			
	recommended adhesive filler.			





### SPECIFICATIONS



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22 00 00     PLUMBING DESIGN-BUILD PERFORMANCE SPECIFICATION       1.01     DESCRIPTION OF WORK	23 00 00     MECHANICAL DESIGN-BUILD PERFORMANCE SPECIFICATION       1.01     DESCRIPTION OF WORK	26 00 00       ELECTRICAL DESIGN-BUILD PERFORMANCE SPECIFICATION         1.01       DESCRIPTION OF WORK	<ul> <li>3.05 ELECTRICAL DESIGN</li> <li>A. Coordinate with the Owner, Architect, and other disciplines to determine locations and electrical requirements of all new equipment</li> </ul>
A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. Refer to construction drawings for additional information and scope of	A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. Refer to	<ul> <li>A. This project consists of a public bid job for a new Bus Barn for the Bandon School District located in Bandon, Oregon. This Specification Section covers design/build performance requirements for the electrical</li> </ul>	requiring power distribution. B. Conduit and Feeders: 1. Feeders shall be copper.
work. This Specification Section covers design/build performance requirements for the plumbing systems. The project shall include	construction drawings for additional information and scope of work. 1. Base Bid Building: a. Refer to drawings for scope of work.	systems. The project shall include the following line items as part of the bid:	<ol> <li>Peeders shall be copper.</li> <li>Voltage drop from the utility meter to the furthest electrical load shall not exceed 6%.</li> </ol>
the following line items as part of the bid: 1. Base Bid:	<ul> <li>B. Perform a detailed field investigation and prepare design documents with Oregon Mechanical engineer's stamp and signature, suitable for</li> </ul>	<ol> <li>Base Bid:</li> <li>a. Refer to drawings for scope of work</li> </ol>	<ol> <li>Sizes shall be per NEC requirements.</li> <li>Conductors shall not be smaller than #12 gauge.</li> </ol>
a. Refer to drawings for scope of work B. Perform a detailed field investigation and prepare design documents	plan check submission and construction.	B. Work specified in this Section shall be designed under the responsible charge of a professional engineer registered in the State of Oregon.	5. Determine routing to new mechanical systems, lighting, and other new equipment.
with Oregon Mechanical engineer's stamp and signature, suitable for plan check submission and construction.	<ul> <li>1.02 SECTION INCLUDES</li> <li>A. Design and construction of mechanical heating system under the base bid.</li> </ul>	Design documents shall be stamped and signed. C. Design documents shall meet all of the following requirements: 1. Suitable for review by the Owner and the Owner's consultants.	<ol> <li>Routing shall be designed to avoid penetrations of load bearing walls and structural supports; obtain written approval from the Structural Engineer where penetrations</li> </ol>
<ul> <li>1.02 SECTION INCLUDES</li> <li>A. Design and construction of complete Plumbing systems.</li> </ul>	1.03 RELATED SECTIONS	<ol> <li>Meet the requirements of Authorities Having Jurisdiction, including but not limited to the Building Department, the Fire</li> </ol>	occur. 7. Minimum size conduit shall be 1/2-inch; except 3/4-inch
1.03 RELATED SECTIONS	A. See other Specification Sections.	Marshal, the power company, and the Gaston Rural Fire District.	minimum shall be used for underground conduit. C. Receptacles:
<ul><li>A. See other Specification Sections.</li><li>1.04 REFERENCES</li></ul>	1.04 REFERENCES A. Heating, ventilating, and cooling system design shall be in accordance with the requirements of the Oregon Mechanical Specialty Code	<ol> <li>Conform to codes, laws, and ordinances as called for in this Specification.</li> </ol>	<ol> <li>Spacing shall be 12 feet on-center maximum, or as needed to meet the furniture layouts indicated in the drawings.</li> <li>Height shall be 18" above finished floor, 48" above finished</li> </ol>
A. Plumbing system design shall be in accordance with the requirements of the Oregon Plumbing Specialty Code (OPSC) and	(OMSC), local laws and ordinances and with load calculations in accordance with ASHRAE procedures;	1.02 ASSUMPTION A. The existing service is sized to accommodate this project's loads.	floor when installed above a countertop, or as required by the equipment served by the receptacle.
local laws and ordinances. B. OMSC - 2022 Oregon Mechanical Specialty Code	<ul> <li>B. OMSC - 2022 Oregon Mechanical Specialty Code;</li> <li>C. OESC - 2021 Oregon Electrical Specialty Code;</li> </ul>	1.03 SECTION INCLUDES	<ol> <li>When located in a bathroom/restroom, outside, or within 6 feet of the outside edge of a sink, receptacles shall have</li> </ol>
<ul> <li>C. OESC - 2021 Oregon Electrical Specialty Code</li> <li>D. OSSC - 2022 Oregon Structural Specialty Code</li> <li>E. OEESC - 2021 Oregon Energy Efficiency Specialty Code</li> </ul>	<ul> <li>D. OSSC - 2022 Oregon Structural Specialty Code; and,</li> <li>E. OEESC - 2021 Oregon Energy Efficiency Specialty Code.</li> </ul>	<ul> <li>A. Design and construction of electrical power distribution and lighting systems.</li> </ul>	ground-fault-circuit-interrupter protection. 4. Weatherproof GFCI receptacle shall be within 25 feet of outdoor mechanical equipment.
1.05 REQUIREMENTS	1.05 REQUIREMENTS A. The Mechanical (HVAC) Drawings shall be provided by the Contractor.	1.04 RELATED SECTIONS A. See other Specification Sections (mechanical and structural).	3.06 LIGHTING DESIGN
<ul><li>A. The Plumbing drawings shall be provided by the Contractor.</li><li>B. Submit to the Owner for review:</li></ul>	<ul> <li>B. Submittals shall be submitted to the Owner for review.</li> <li>1. Construction shall not commence until the detailed Drawings,</li> </ul>	1.05 REFERENCES	<ul> <li>A. Minimum lighting intensities shall meet the following design criteria:</li> <li>1. Exterior: Average of 2 foot-candles at ground level, not to</li> </ul>
<ol> <li>Reviewing Agency Submittal: 10 days after receiving Reviewing Agency comments.</li> <li>Construction shall not commence until the detailed</li> </ol>	Specifications, and engineering calculations have been accepted and approved by the Owner and the Reviewing Agency.	A. Electrical and lighting system design shall be in accordance with the requirements of the National Electrical Code (NEC), Oregon	exceed 5foot-candles. B. See Architect Luminaire Schedule for Basis of Design fixtures.
drawings, Specifications, and engineering calculations have been accepted and approved by the Owner and the	C. Construction Documents and Reviewing Agency Submittals: 1. Drawings shall be scalable, dated, stamped and signed by the	Electrical Specialty Code (OESC) and local laws and ordinances. B. NEC - 2020 National Electrical Code C. OESC - 2021 Oregon Electrical Specialty Code	
Reviewing Agency. C. Construction Documents and Reviewing Agency Submittals:	Contractor's Registered Mechanical Engineer for the State of Oregon, and shall be provided in PDF and hardcopy format,	<ul> <li>D. OSSC - 2022 Oregon Structural Specialty Code</li> <li>E. OEESC - 2021 Oregon Energy Efficiency Specialty Code</li> </ul>	
1. Drawings shall be scalable, dated, stamped and signed by the Contractor's Registered Mechanical Engineer for the State of Oragon, and shall be provided in PDE and	<ul> <li>24"x36" size.</li> <li>2. Specifications shall be provided in hardcopy format, 8.5"x11"</li> </ul>	1.06 REQUIREMENTS	
State of Oregon, and shall be provided in PDF and hardcopy format, 24"x36" size. 2. Drawings and Specifications shall be suitable for	size. 3. Drawings and Specifications shall be suitable for submission to the Reviewing Agency for review.	<ul> <li>A. The electrical and lighting system drawings shall be provided by the Contractor.</li> <li>B. Submittals shall be submitted to the Owner for review coinciding</li> </ul>	
submission to the Reviewing Agency for review. D. If applicable, coordinate with the mechanical and electrical design	D. Coordinate with the electrical design-build Contractor and his electrical engineer for the mechanical equipment being installed as	with the construction schedule. It is the responsibility of the Electrical Contractor to coordinate these submittals. Any lead-time issues need to	
contractors and their engineers for the Plumbing equipment being installed as part of this project.	part of this project.         F.       Provide Structural Engineering analysis and design of Structure to         accommodate all HVAC equipment added by this scene of work	be brought to the General Contractor's attention within 10 days of receiving signed contracts. 1. Construction shall not commence until the detailed drawings,	
1.06 SUBMITTALS FOR REVIEW A. Construction Documents Components (in addition to Design	accommodate all HVAC equipment added by this scope of work. 1.06 SUBMITTALS FOR REVIEW	<ol> <li>Construction shall not commence until the detailed drawings, Specifications, and engineering calculations have been accepted and approved by the Owner and the Reviewing</li> </ol>	
Development Components): 1. Drawings including:	<ul><li>A. Construction Documents Components:</li><li>1. Drawings including:</li></ul>	Agencies. C. Construction Documents and Reviewing Agency Submittals:	
a. Complete Plumbing Systems Floor Plan Drawings.	<ul> <li>a. Mechanical Systems Plan Drawings;</li> <li>b. Mechanical sectional drawings, if required for</li> </ul>	1. Drawings shall be scalable, dated, stamped and signed by the Contractor's Registered Electrical Engineer for the State of	
c. Oregon engineering stamp with signatures. B. Reviewing Agency Submittal: 1. Reviewing Agency comments and Contractor responses.	clarity; c. Completed mechanical energy code forms; d. HVAC heating and cooling load calculations and	Oregon, and shall be provided in PDF and hardcopy format, 24"x36" size. 2. Specifications shall be provided in hardcopy format,	
<ol> <li>Drawings with Reviewing Agency comments incorporated.</li> <li>Plumbing Specifications.</li> </ol>	ductwork static pressure loss calculations for fan selections;	<ul> <li>8.5"x11" size.</li> <li>3. Drawings and Specifications shall be suitable for submission to</li> </ul>	
4. Final stamped, signed and approved drawings suitable for construction.	2. Mechanical Specifications B. Reviewing Agency Submittal:	the Reviewing Agency for review. D. Coordinate with the mechanical design contractor for mechanical	
3.01 GENERAL A. Drawings: 1. Coordinate drawings with other disciplines, including	<ol> <li>Reviewing Agency comments and Contractor responses.</li> <li>Drawings with Reviewing Agency comments incorporated.</li> <li>Mechanical Specifications.</li> </ol>	equipment being installed as part of this project.	
Architectural, structural, civil, mechanical (HVAC) and electrical.	<ul> <li>4. Final stamped, signed and approved drawings suitable for construction.</li> </ul>	A. Construction Documents Components: 1. Field investigation report including items described in Part 2	
<ul> <li>B. Existing Documentation:</li> <li>1. Coordinate with ZCS Engineering to obtain record</li> </ul>	3.01 GENERAL	<ol> <li>Drawings including:</li> <li>a. Locations of major equipment requiring new or</li> </ol>	
documents (drawings and/or Specifications) of the design. C. Plumbing Design: 1. Plumbing calculations and design shall be performed in	<ul> <li>A. Drawings:</li> <li>1. Coordinate drawings with other disciplines, including architectural, structural, plumbing, and electrical.</li> </ul>	modified power distribution design. b. Convenience receptacle and data. c. Lighting control-operating schemes.	
accordance with the requirements of the Oregon Plumbing Specialty Code (OPSC).	<ol> <li>Screened line types and fonts shall represent work that is not included in this contract.</li> </ol>	d. Photometric plot files identifying general and emergency lighting foot-candle levels for the	
2. Slope drainage lines as determined by the existing connection point, but not less than 1/8-inch per foot.	3. Bold line types and fonts shall represent work that is included in this contract.	<ul><li>space.</li><li>3. Light fixture schedule for new fixtures, describing for each</li></ul>	
<ol> <li>Insulate all potable hot water lines as specified in the Oregon Energy Efficiency Code;</li> <li>Insulate all cold water lines to prevent condensation;</li> </ol>	<ul> <li>4. Revisions to drawings after the construction Documents submittal shall be noted with:</li> <li>a. Revision notes in the drawing title block including the</li> </ul>	fixture type: a. Assigned fixture tag. b. Manufacturer and model number.	
<ol> <li>Soil pipe shall be cast iron;</li> <li>Potable water lines shall be copper, type L for above grade</li> </ol>	revision number, brief description, date, and initials of the person responsible for the revision.	c. Light fixture type (recessed can, troffer, strip, etc.). d. Mounting height.	
and type K for below grade. 3.02 FIELD INVESTIGATION	<ul> <li>b. "Clouds" encompassing the drawing revision.</li> <li>c. "Delta" blocks adjacent to the clouds with revision numbers</li> </ul>	e. Fixture dimensions. f. Diffuser type.	
3.02 FIELD INVESTIGATION A. Perform an extensive field investigation and record information required to perform the Plumbing Systems design described herein.	corresponding to the associated title block revision notes. B. Existing Documentation: 1. Coordinate with ZCS Engineering to obtain record documents	g. Mounting type (suspended, T-bar, surface, etc.). h. Quantity and lamp type ((2) F32T8, (1) 32W CFL, etc.).	
<ul> <li>B. The field investigation shall cover:</li> <li>1. All areas required to complete this project's scope of work.</li> </ul>	(drawings and/or Specifications) of the design. C. Mechanical Design:	i. Ballast quantity, type, and voltage. j. Actual power usage, including ballast.	
<ul> <li>3.05 PLUMBING DESIGN</li> <li>A. Coordinate with the Owner, Architect, and other disciplines to</li> </ul>	<ol> <li>Mechanical calculations and design shall be performed in accordance with the requirements of the OMSC and ASHRAE.</li> <li>Coordinate with the Owner, Engineer, and other disciplines to</li> </ol>	<ul> <li>k. Energy Code-assigned power usage.</li> <li>4. Light fixture catalog cut sheets, for each fixture type, shall include the following information:</li> </ul>	
<ul> <li>A. Coordinate with the Owner, Architect, and other disciplines to determine locations and space requirements of all new fixtures.</li> <li>B. See Architect Plumbing Schedule for Basis of Design fixtures.</li> </ul>	determine locations and space requirements of all new equipment and ductwork.	a. Photometric performance. 5. Electrical Specifications outline.	
		<ul> <li>a. Completed lighting energy code forms.</li> <li>b. Oregon engineering stamp with signatures.</li> </ul>	
		<ol> <li>Electrical Specifications.</li> <li>B. Reviewing Agency Submittal:</li> <li>1. Reviewing Agency comments and Contractor responses.</li> </ol>	
		<ol> <li>Drawings with Reviewing Agency comments incorporated.</li> <li>Electrical Specifications.</li> </ol>	
		4. Final stamped, signed and approved drawings suitable for construction.	
		3.01 GENERAL A. Drawings:	
		1. Coordinate drawings with other disciplines, including architectural, structural, civil, landscape, and mechanical.	
		<ol> <li>Screened line types and fonts shall represent work that is not included in this contract.</li> <li>Bold line types and fonts shall represent work that is</li> </ol>	
		<ol> <li>Bold line types and fonts shall represent work that is included in this contract.</li> <li>Revisions to drawings after the Construction Documents</li> </ol>	
		submittal shall be noted with: a. Revision notes in the drawing title block including the	
		revision number, brief description, date, and initials of the person responsible for the revision. "Clouds" encompassing the drawing revision	
		<ul> <li>b. "Clouds" encompassing the drawing revision.</li> <li>c. "Delta" blocks adjacent to the clouds with revision numbers corresponding to the associated title</li> </ul>	
		block revision notes. B. Existing Documentation:	
		1. Coordinate with ZCS Engineering and Architecture to obtain record documents (drawings and/or Specifications) of	
		the design. C. Electrical Design: 1. Electrical calculations and design shall be performed in	
		accordance with the requirements of the NEC. D. Lighting Design.	
		<ol> <li>Lighting design, calculations, and lamp types shall meet the requirements of the OEESC.</li> </ol>	
		3.02 FIELD INVESTIGATION A. Perform an extensive field investigation and record information	
		required to perform the electrical and lighting designs described herein.	
		<ul> <li>B. The field investigation shall cover:</li> <li>1. All areas required to complete this project's scope of work</li> </ul>	

determine locations and space requiremen See Architect Plumbing Schedule for Basis
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524 Main Street, Suite 2, Oregon City, Oregon 97045 | 503-659-2205

BANDON SCHOOL DISTRICT #54 455 9TH STREET SW BANDON, OR 97411

**BANDON SCHOOL** DISTRICT NEW BUS BARN



DATE: Description

PROJECT NO. DRAWN: CHECKED: DATE: G-1533-22 LJS DDS 02-13-2024

### SPECIFICATIONS



