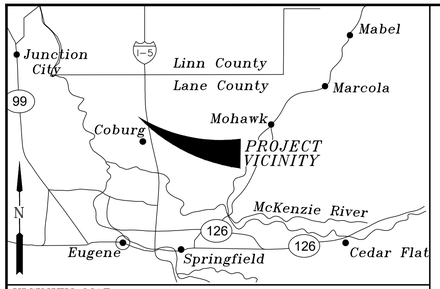
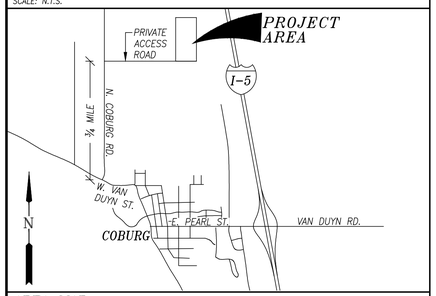
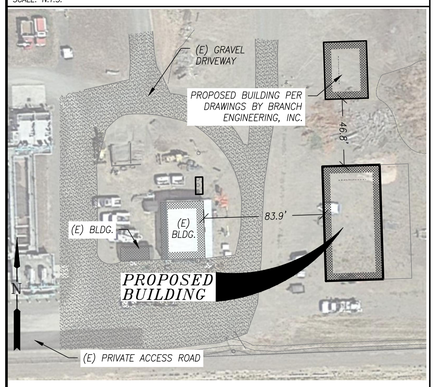
OPERATIONS & MAINTENANCE BUILDING
CITY OF COBURG
COBURG, LANE COUNTY, OREGON



VICINITY MAP
SCALE: N.T.S.



AREA MAP
SCALE: N.T.S.



SITE MAP
SCALE: 1" = 50'

SITE LOCATION

91611 N. COBURG ROAD
COBURG, OREGON 97408

DESIGN TEAM

OWNER

CITY OF COBURG
CONTACT: BRIAN HARMON
PO BOX 8316
COBURG, OREGON 97408
OFFICE: (541) 933-2512
EMAIL: brian.harmon@ci.coburg.or.us

CIVIL ENGINEER

BRANCH ENGINEERING, INC.
CONTACT: JULIE LELAND, P.E.
310 5TH STREET
SPRINGFIELD, OR 97477
OFFICE: (541) 746-0637
EMAIL: JULIEL@BRANCHENGINEERING.COM

STRUCTURAL ENGINEER

BRANCH ENGINEERING, INC.
CONTACT: RICK HERNANDEZ, PE, SE
310 5TH STREET
SPRINGFIELD, OR 97477
OFFICE: (541) 746-0637
EMAIL: rickh@branchengineering.com

CONTRACTOR

CONTACT: **TBD**

METAL BUILDING MANUFACTURER

DELEGATED DESIGN BY OTHERS
CONTACT: TBD

PROJECT DESCRIPTION

CONSTRUCT PRE-MANUFACTURED METAL BUILDING WITH CONCRETE SLAB-ON-GRADE FOUNDATION. THE PROPOSED METAL BUILDING IS INTENDED FOR MAINTENANCE AND REPAIR OF THE SCHOOL DISTRICT'S FLEET VEHICLES.

DRAWING INDEX

GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. CONDITIONS NOT SPECIFICALLY DETAILED SHALL BE IN GENERAL CONFORMANCE WITH CONSTRUCTION DETAILS OF A SIMILAR NATURE ELSEWHERE ON THE PROJECT.

ENERGY CODE COMPLIANCE

BUILDING ENVELOPE IS SHOWN HEREIN AS MEETING THE REQUIREMENTS FOR SEMI-HEATED SPACE USING ASHRAE 90.1-2019 PRESCRIPTIVE BUILDING ENVELOPE COMPLIANCE PATH.

BUILDING ENVELOPE REQUIREMENTS
CLIMATE ZONE 4C - SEMI-HEATED

OPAQUE ELEMENT [1]	ASSEMBLY MAX.		MIN. R-VALUE² (METAL BLDG)	MIN. R-VALUE² (WOOD-FRAMED & OTHER)
ROOF	U-0.082		R-19	R-30
WALLS, ABOVE GRADE	U-0.162		R-13	R-13
SLAB-ON-GRADE FLOOR - UNHEATED	F-0.730		NR	NR
OPAQUE SWINGING DOOR	U-0.370			
OPAQUE NON-SWINGING DOOR	U-0.360			
VERTICAL FENESTRATION 0-40% OF WALL	**ASSEMBLY MAX. U**	**ASSEMBLY MAX. SHGC**	**ASSEMBLY MIN. VT/SHGC**	
FIXED	0.50	NR (FOR ALL TYPES)	NR (FOR ALL TYPES)	
OPERABLE	0.65			
ENTRANCE DOOR	0.77			
SKYLIGHT 0-3% OF ROOF	**ASSEMBLY MAX. U**	**ASSEMBLY MAX. SHGC**	**ASSEMBLY MIN. VT/SHGC**	
ALL TYPES	0.75	NR	NR	

1. SEE SHEET A501 FOR ASSEMBLY DETAILS.
2. SEMIEXTERIOR BUILDING ENVELOPE PER ASHRAE 90.1-2019 5.5.2

SEMI-HEATED SPACE NOTES (ASHRAE STANDARD 90.1-2019 3.2 DEFINITIONS - SPACE):
1. HEATING SYSTEM OUTPUT CAPACITY SHALL BE LESS THAN 8 BTU/hr*ft² (TABLE 3.2)
2. COOLING SYSTEM OUTPUT CAPACITY SHALL BE LESS THAN 3.4 BTU/hr*ft²

DEFERRED SUBMITTAL:

1. PRE-MANUFACTURED METAL BUILDING (DESIGN BY OTHERS).
2. BUILDING FOUNDATION - SPREAD FOOTINGS & CAST-IN-PLACE ANCHOR DESIGN.
3. MECHANICAL HVAC DESIGN
4. PLUMBING DESIGN
5. ELECTRICAL DESIGN

NATURAL VENTILATION (1202.5)

REQUIRED VENTILATION AREA 145SF * .08 = 11.6SF < 25SF MIN. (e.g. OFFICE)
PROVIDED VENTILATION AREA 3FT * 7FT DOOR = 21SF
PROVIDE A SINGLE DOOR AT EACH SPACE PLUS A MINIMUM OF 4SF ADDITIONAL NATURAL VENTILATION AREA.

STATEMENT OF SPECIAL INSPECTION

TABLE 1705.3
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONT.	PERIODIC	REFERENCED STANDARD
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.		X	ACI 318: 17.8.2

TABLE 1705.6
REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

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

TABLE 1705.2 - AS REQUIRED BY METAL BUILDING MANUFACTURER.

SELECTED ABBREVIATIONS

1. ATR - ALL THREADED ROD
2. HDG - HOT-DIP GALVANIZED
3. T.O. - TOP OF
4. ACC. - ACCESSIBLE
5. TYP. - TYPICAL
6. MAX. - MAXIMUM
7. MIN. - MINIMUM
8. CLR. - CLEAR

BUILDING CODE COMPLIANCE

APPLICABLE CODE: 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)
2022 OREGON MECHANICAL SPECIALTY CODE (OMSC)
2021 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2021 OREGON PLUMBING SPECIALTY CODE (OPSC)
BUILDING AUTHORITY: CITY OF COBURG
ZONE: RR1
OCCUPANCY CLASSIFICATION & USE (302): MIXED S-1, F-1, B
CONSTRUCTION TYPE (602): TYPE V-B NON-SPRINKLERED
GENERAL BUILDING HEIGHT & AREA LIMITATIONS (503):

BASIC ALLOWABLE BUILDING HEIGHT (TBL 504.3) = 40 FT
PROPOSED BUILDING HEIGHT: = ±20 FT

ALLOWABLE NUMBER OF STORIES (TBL 504.4) = 1
PROPOSED NUMBER OF STORIES = 1

ALLOWABLE AREA FACTOR, A_t (TBL 506.2) = 9,000 FT²

BUILDING AREA MODIFICATION (506):
FRONTAGE INCREASE (506.3)- NOT CALCULATED

PROPOSED BUILDING AREA = 4,800 FT²

MEZZANINES & EQUIPMENT PLATFORMS (505.2):

ALLOWABLE MEZZANINE AREA* = 1,067 FT²
PROPOSED MEZZANINE AREA = 1,023 FT²

*SUCH MEZZANINES SHALL NOT CONTRIBUTE TO EITHER THE BUILDING AREA OR NUMBER OF STORIES AS REGULATED BY SECTION 503.1.

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (TBL. 602):

10 ≤ X < 30 OCCUPANCY ALL (EXCEPT H) = 0

OCCUPANT LOAD (1004):

MAXIMUM FLOOR AREA PER OCCUPANT (TBL 1004.5):
FUNCTION OF SPACE: SEE EGRESS PLAN
OCCUPANT LOAD FACTOR: VARIES PER PLAN
TOTAL NUMBER OF OCCUPANTS PER OWNER = 12
PROPOSED TOTAL NUMBER OF OCCUPANTS = 30

MINIMUM PLUMBING FACILITIES (2902):
SEPARATE FACILITIES (2902.2): NOT REQUIRED FOR OCC. LOAD ≤30
LOCATION OF TOILET FACILITIES (2902.3.3): MAIN LEVEL INSIDE PROPOSED BUILDING
MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES (TABLE 2902.1):
WATER CLOSETS-
CLASSIFICATION: STORAGE (TBL 2902.1) = 1 PER 100 (UNISEX)
BUSINESS (TBL 2902.1) = 1 PER 25 (UNISEX)
REQUIRED FACILITIES = 0.13 + 0.68 = 0.81
PROVIDED FACILITIES = 1 UNISEX
LAVATORIES-
CLASSIFICATION: STORAGE (TBL 2902.1) = 1 PER 100 (UNISEX)
BUSINESS (TBL 2902.1) = 1 PER 40 (UNISEX)
REQUIRED FACILITIES = 0.13 + 0.43 = 0.56
PROVIDED FACILITIES = 1 UNISEX

MEANS OF EGRESS ILLUMINATION NOTES

1. THE MEANS OF EGRESS SERVING A ROOM OR SPACE SHALL BE ILLUMINATED AT ALL TIMES THAT THE ROOM OR SPACE IS OCCUPIED.
2. THE MEANS OF EGRESS ILLUMINATION LEVEL UNDER NORMAL POWER SHALL NOT BE LESS THAN 1 FOOTCANDLE (11 LUX) AT THE WALKING SURFACE.
3. EMERGENCY POWER (BATTERY BACKUP) FOR ILLUMINATION SHALL BE PROVIDED AT AREAS NOTED PER PLAN DRAWING, FOR A DURATION OF NOT LESS THAN 90 MIN. SUCH AREAS INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING:
   a. EXTERIOR LANDINGS
   b. INTERIOR ACCESS STAIRWAYS.
   c. ELECTRICAL EQUIPMENT ROOMS
4. ILLUMINATION UNDER EMERGENCY POWER SHALL BE ARRANGED TO PROVIDE INITIAL ILLUMINATION THAT IS NOT LESS THAN AN AVERAGE OF 1 FOOTCANDLE (11 LUX) AND A MINIMUM AT ANY POINT OF 0.1 FOOTCANDLE (1 LUX) MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL.

EGRESS ANALYSIS

TOTAL NUMBER OF OCCUPANTS = 25 [MAIN BUILDING] <29
5 [DRIVE-THRU BAY] <29
NUMBER OF EXITS REQUIRED = 2 [COMMON PATH]
NUMBER OF EXITS PROVIDED = 3

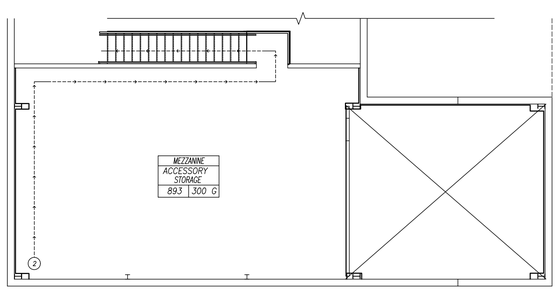
ALLOWABLE EXIT ACCESS TRAVEL DISTANCE = 200 FT
MAXIMUM EXIT ACCESS TRAVEL DISTANCE = 130 FT

ALLOWABLE COMMON PATH OF EGRESS TRAVEL DISTANCE = 100 FT [S]
75 FT [B]
MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE = 109 FT (MEZZ.), 72 FT

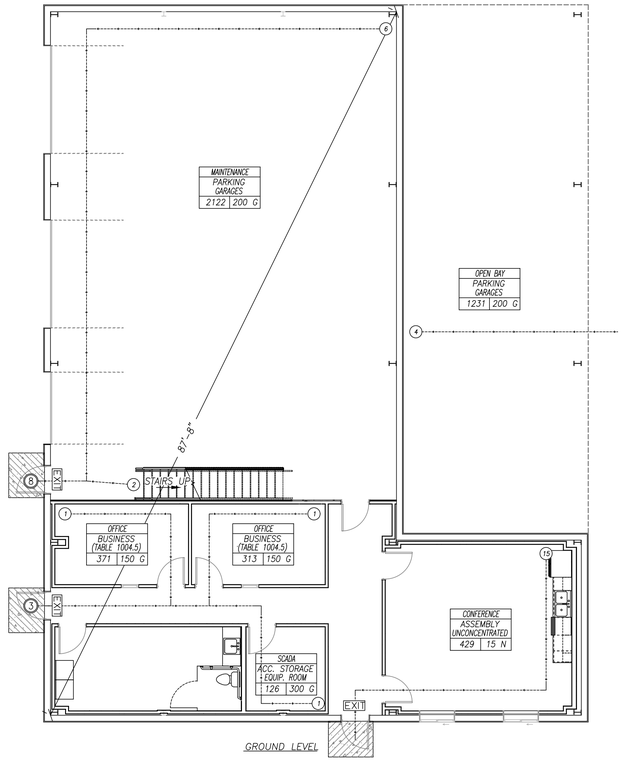
MAXIMUM BUILDING AREA SERVED DIAGONAL DIMENSION = 67'-4"
MINIMUM REQUIRED DISTANCE BETWEEN EXITS = 33'-8"
PROVIDED DISTANCE BETWEEN EXITS = 38'-2"

EGRESS LEGEND

(F) OCCUPANT LOAD FOR ROOM
(#) CUMULATIVE OCCUPANT LOAD
---xx--> SCHEMATIC EXIT PATH WITH DIRECTION OF TRAVEL & SPLIT OCCUPANT LOAD WHERE OCCURRING
ROOM NAME / USE (TABLE 1004.5) / FLOOR AREA (FT²) / OCCUPANT LOAD FACTOR / G = GROSS FLOOR AREA / N = NET FLOOR AREA
EMERGENCY EGRESS LIGHTING



MEZZANINE LEVEL



GROUND LEVEL

1 / G001 EGRESS PLAN
SCALE: 1/8"=1'-0"

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON DEC. 31, 2011 RICARDO HERNANDEZ
PRELIMINARY
NOT FOR CONSTRUCTION
Renews: JUNE 30, 2023

project title:

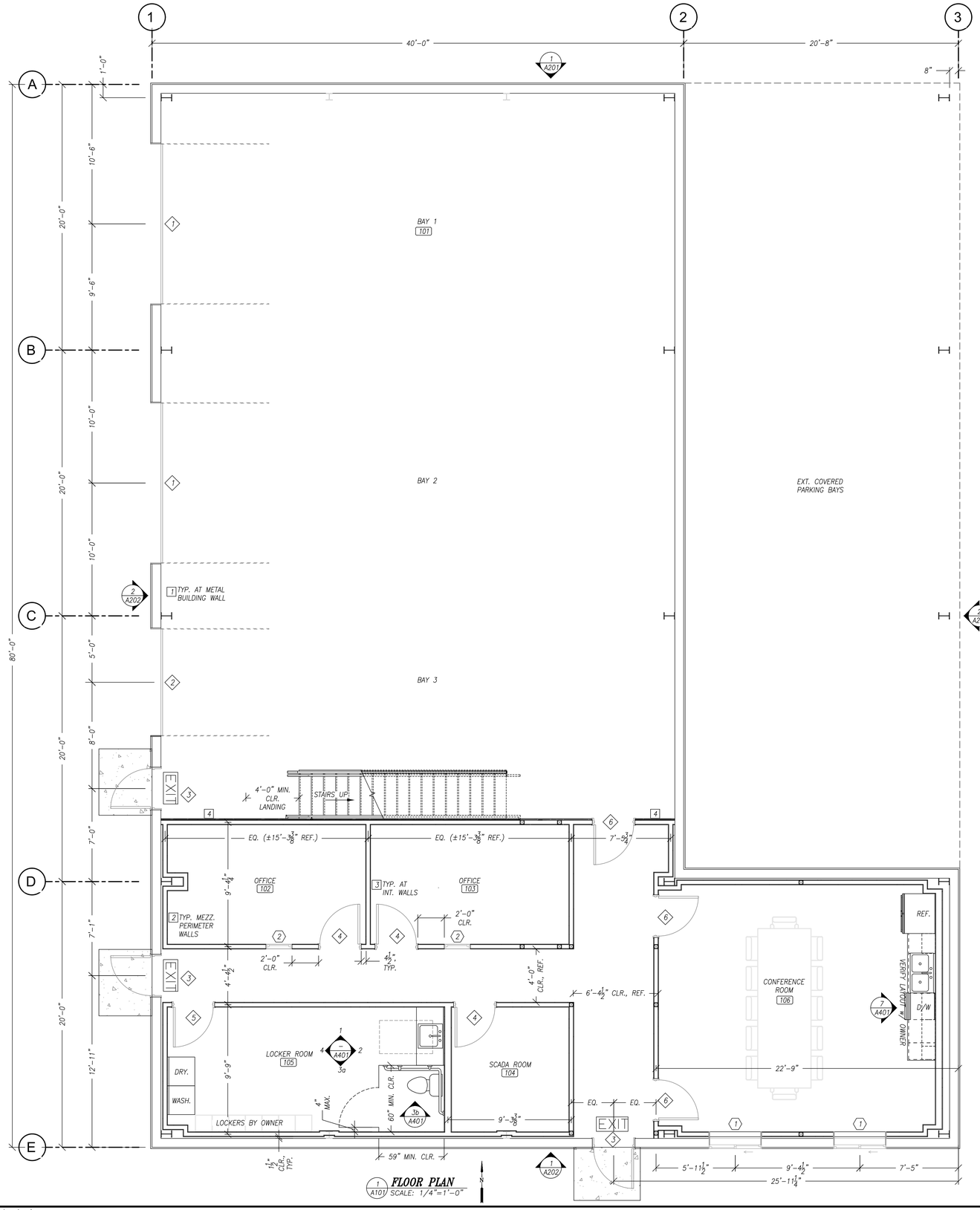
CITY OF COBURG - OPERATIONS & MAINTENANCE BUILDING #1
91611 N. COBURG RD.
COBURG, OR

revisions:

date: DEC 29, 2022
drawn by: JJA
designer: JJA
project no: 20-004J

COVER SHEET & EGRESS PLAN

sheet: **G001**



1 A101 **FLOOR PLAN**
SCALE: 1/4"=1'-0"

LEGEND

- WOOD COLUMN PER SCHEDULE
- STEEL COLUMN PER SCHEDULE
- BUILDING MANUFACTURER COLUMN
- WALLS
- CANOPY OR MEZZANINE ABOVE
- DOOR
- TOILET
- SINK
- [2] WALL TYPE PER SCHEDULE
- ◇2 DOOR TYPE PER SCHEDULE, SEE SHEET A601
- ⬡2 DOOR TYPE PER SCHEDULE, SEE SHEET A601

WALL TYPE SCHEDULE

MARK	DETAIL	DESCRIPTION
1	1/A501	METAL BUILDING EXT. WALL
2	4/A501	MEZZANINE PERIMETER WALL
3	5/A501	INTERIOR PARTITION WALL
4	7/A501	MEZZANINE PERIMETER WALL w/ PROTECTION BOARD ON SHOP SIDE

SHEET NOTES

1. CONSTRUCT MEZZANINE CEILING ASSEMBLY PER DETAIL 6, SHEET A501.
2. CONSTRUCT METAL BUILDING ROOF ASSEMBLY PER DETAIL 2, SHEET A501.
3. EXTERIOR DOOR THRESHOLDS PER DETAIL 3, SHEET A501.

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project title:

CITY OF COBURG - OPERATIONS OPS FLEET MAINTENANCE BUILDING #1

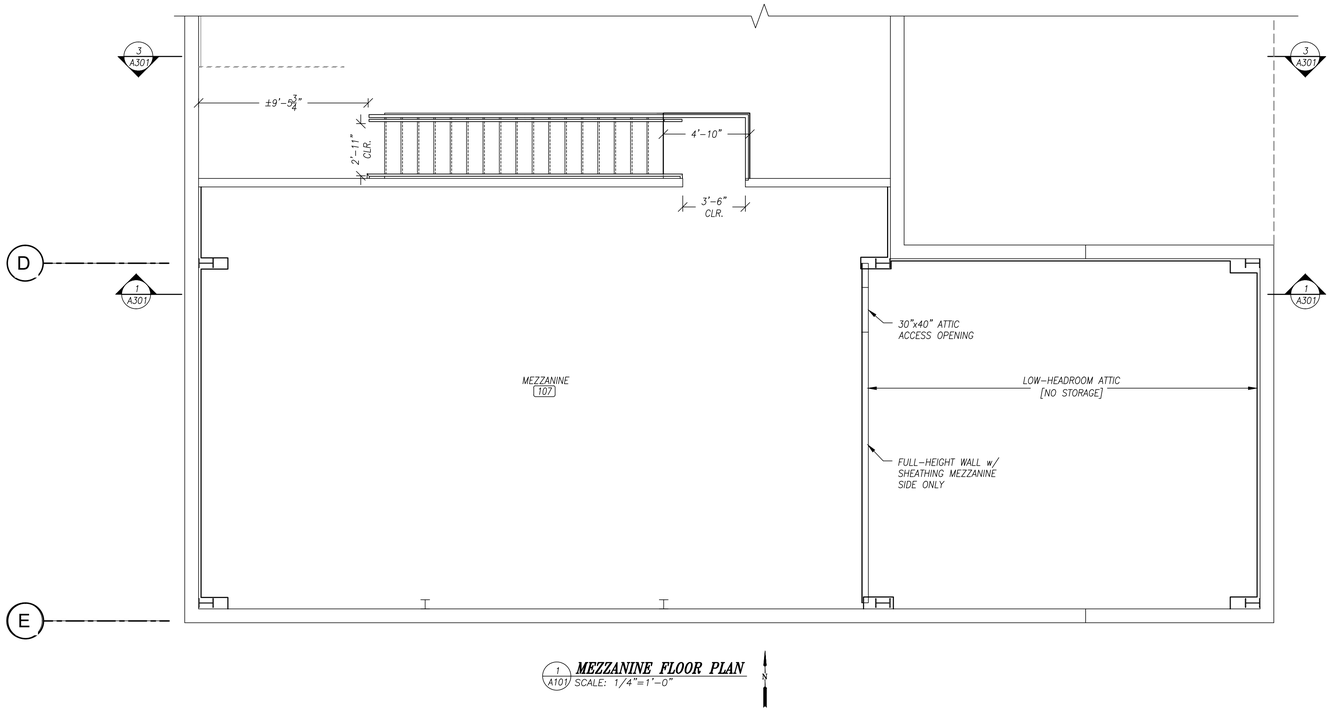
91611 N. COBURG RD.
COBURG, OR

revisions:

date: DEC 29, 2022
drawn by: JJA
designer: JJA
project no: 20-004J

FLOOR PLAN

sheet: A101



1 A101 **MEZZANINE FLOOR PLAN**
SCALE: 1/4"=1'-0"

LEGEND

- WOOD COLUMN PER SCHEDULE
- STEEL COLUMN PER SCHEDULE
- BUILDING MANUFACTURER COLUMN
- WALLS BELOW
- FLOOR JOIST
- BEAM
- CANOPY ABOVE

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OPS FLEET MAINTENANCE BUILDING #1
91611 N. COBURG RD.
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revisions:

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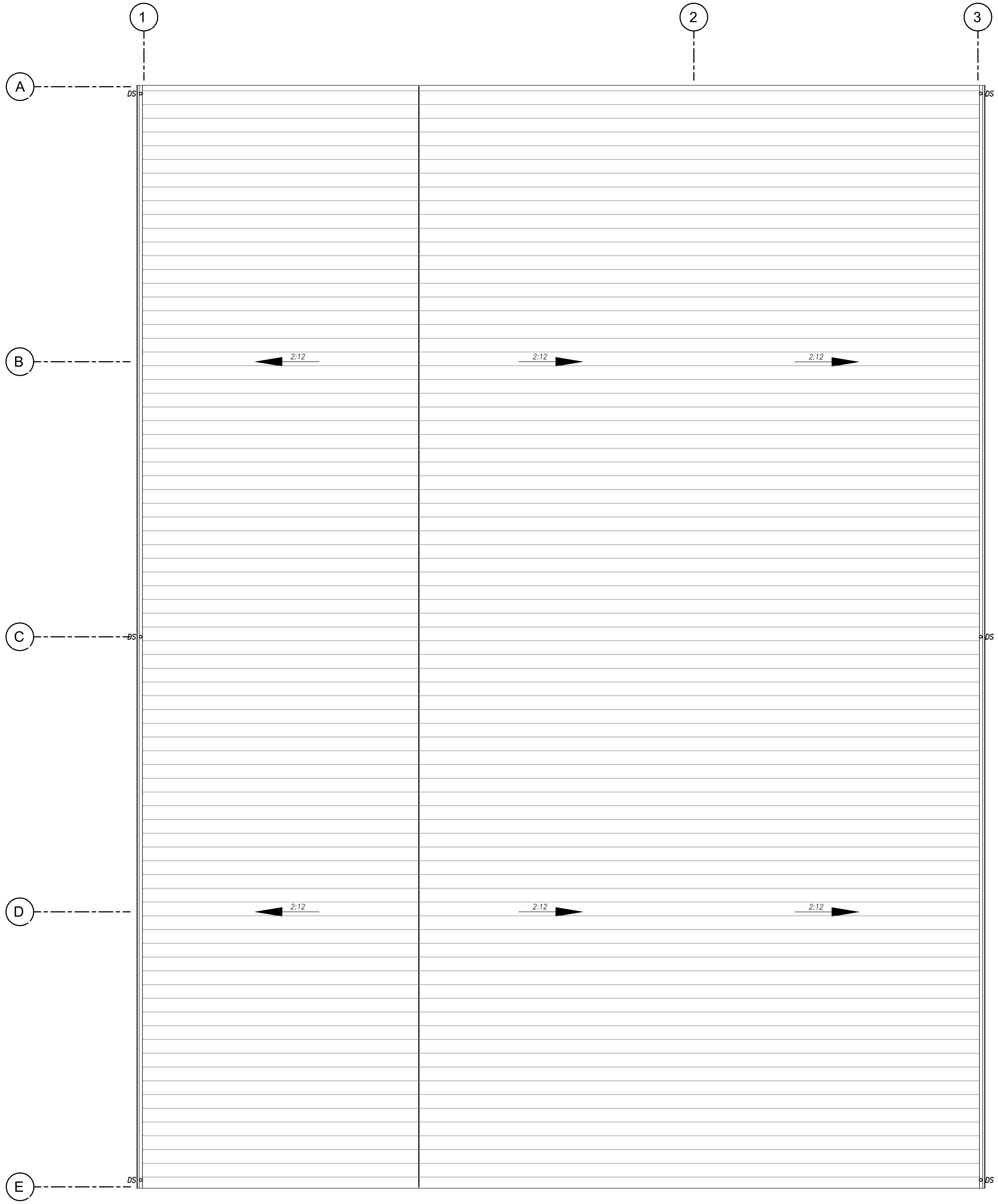
drawn by:	JJA
designer:	JJA
project no:	20-004J

MEZZANINE
FLOOR PLAN

sheet:
A102



LEGEND

ROOF EDGE & METAL ROOFING

GUTTER & DOWNSPOUT (DS)

2:12 ROOF SLOPE (DOWN)

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date:	DEC 29, 2022
drawn by:	JJA
designer:	JJA
project no:	20-004J

ROOF PLAN

sheet: **A104**

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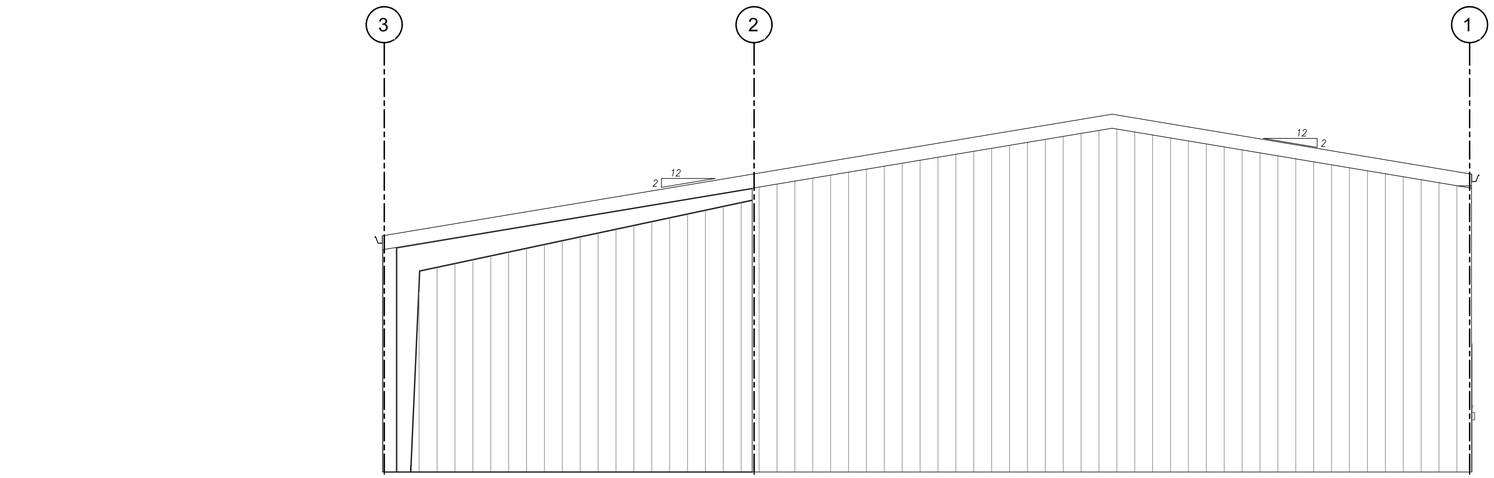
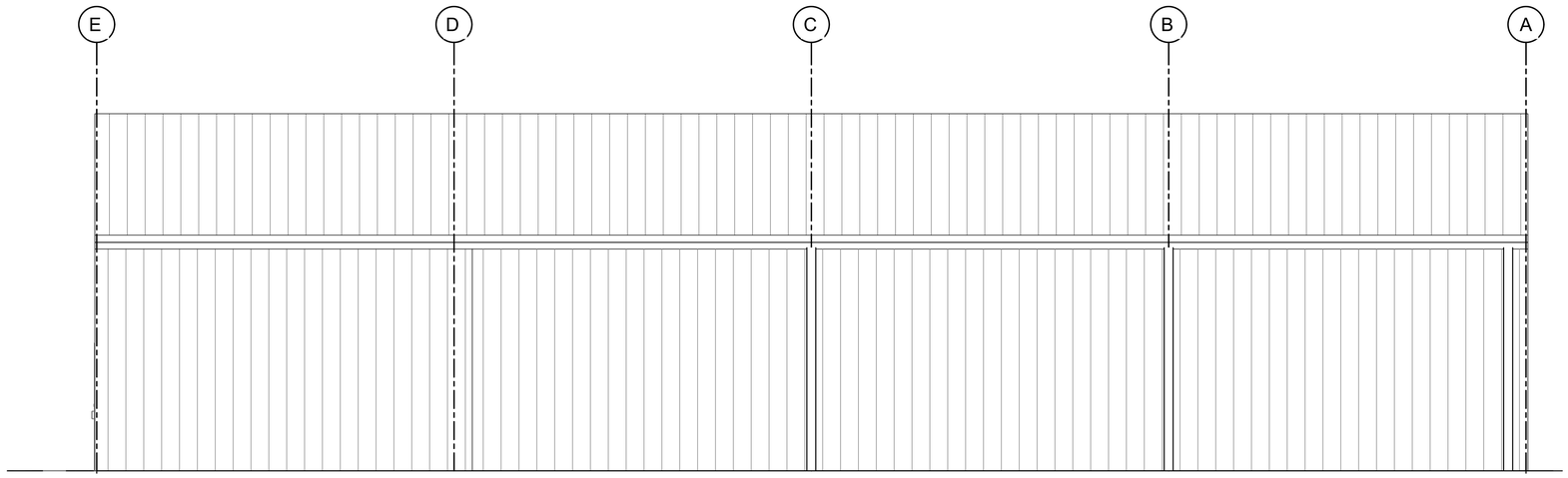


1 A201 NORTH ELEVATION
SCALE: 1/4"=1'-0"



2 A201 EAST ELEVATION
SCALE: 1/4"=1'-0"

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revisions:

date: DEC 29, 2022
drawn by: JLB
designer: RH
project no: 20-004J

ELEVATIONS

sheet: A201

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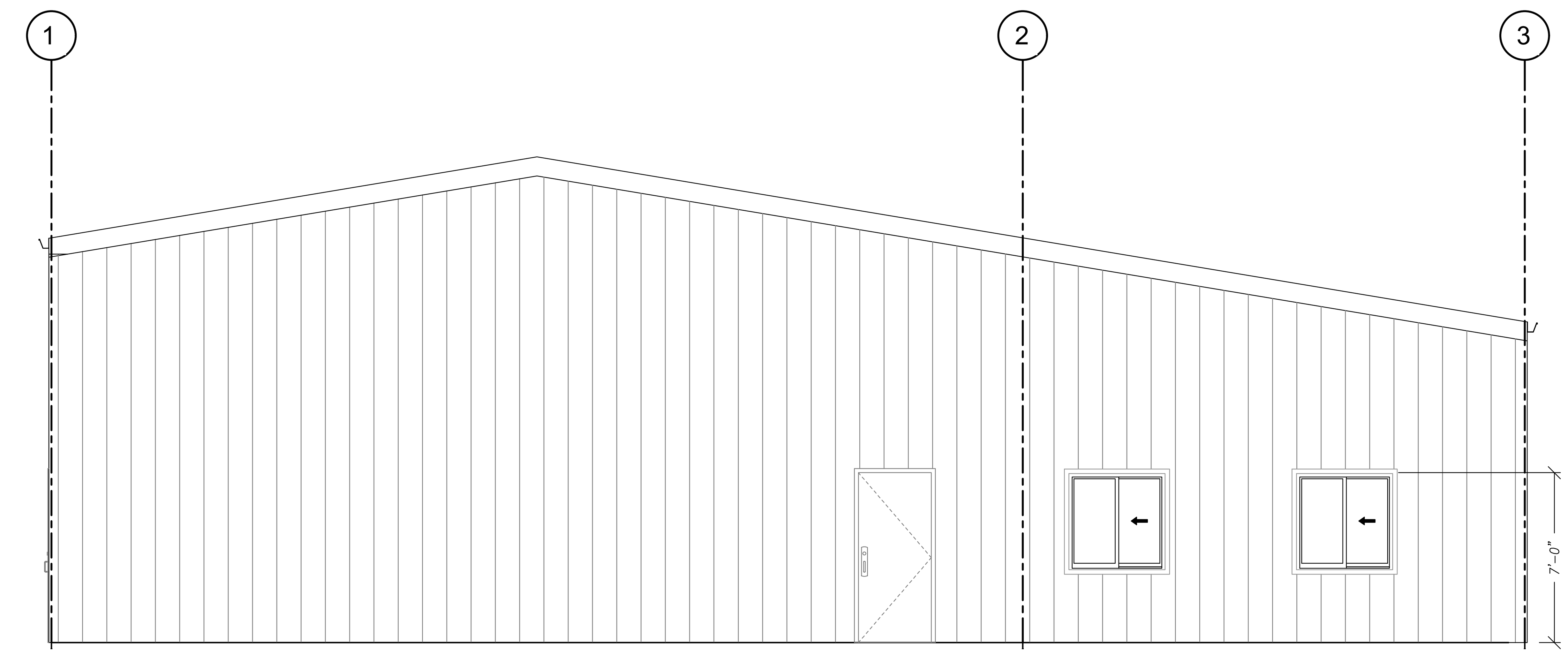
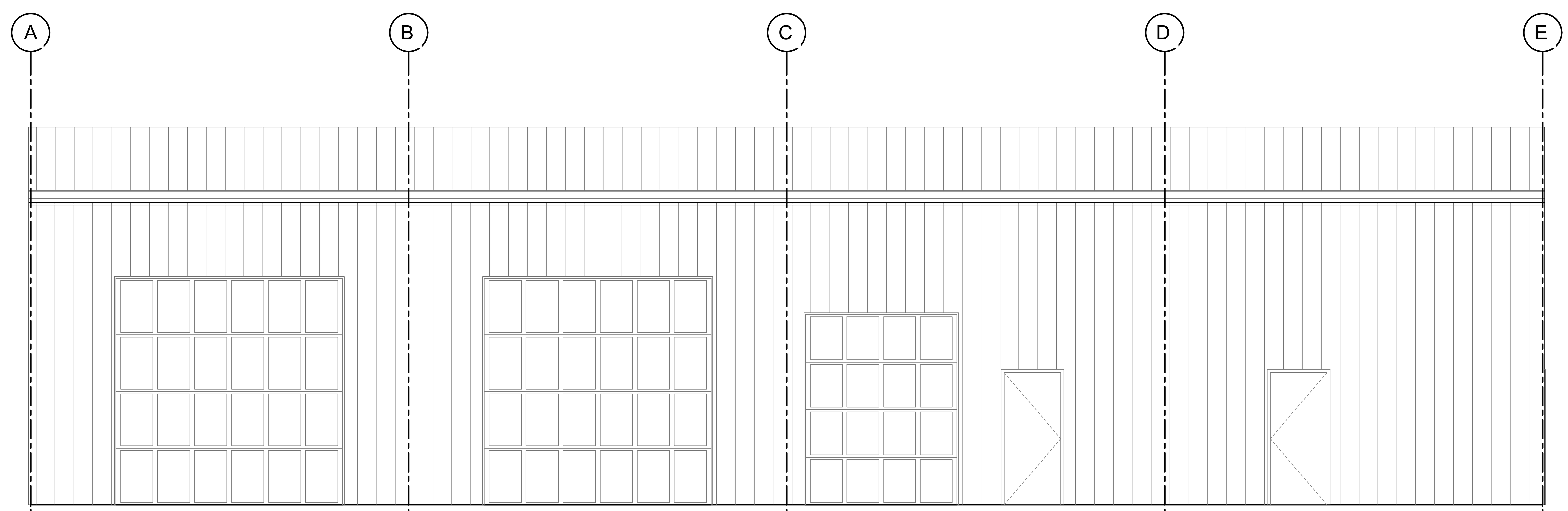


1 A202 **SOUTH ELEVATION**
SCALE: 1/4"=1'-0"



2 A202 **WEST ELEVATION**
SCALE: 1/4"=1'-0"

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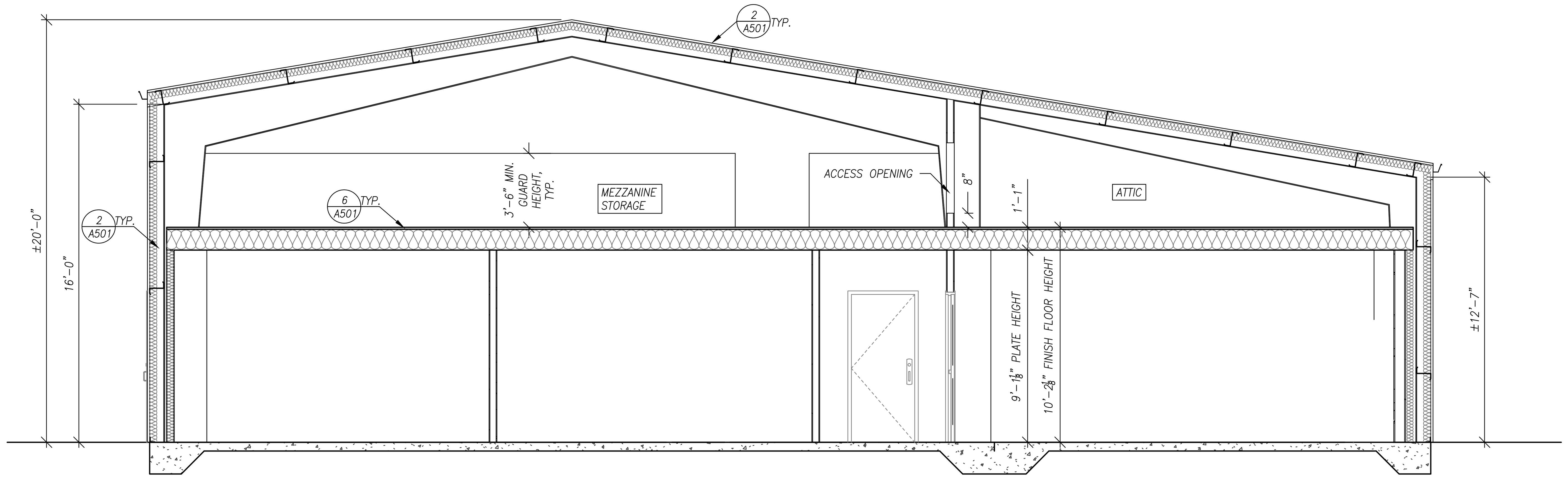
drawn by: JLB
designer: RH
project no: 20-004J

ELEVATIONS

sheet: A202

SECTION NOTES

1. METAL BUILDING FRAMING SHOWN HERE IS SCHEMATIC & FOR ILLUSTRATION PURPOSES ONLY. ALL FRAMING SHALL BE DESIGNED BY METAL BUILDING MANUFACTURER.



1 A301 **SECTION**
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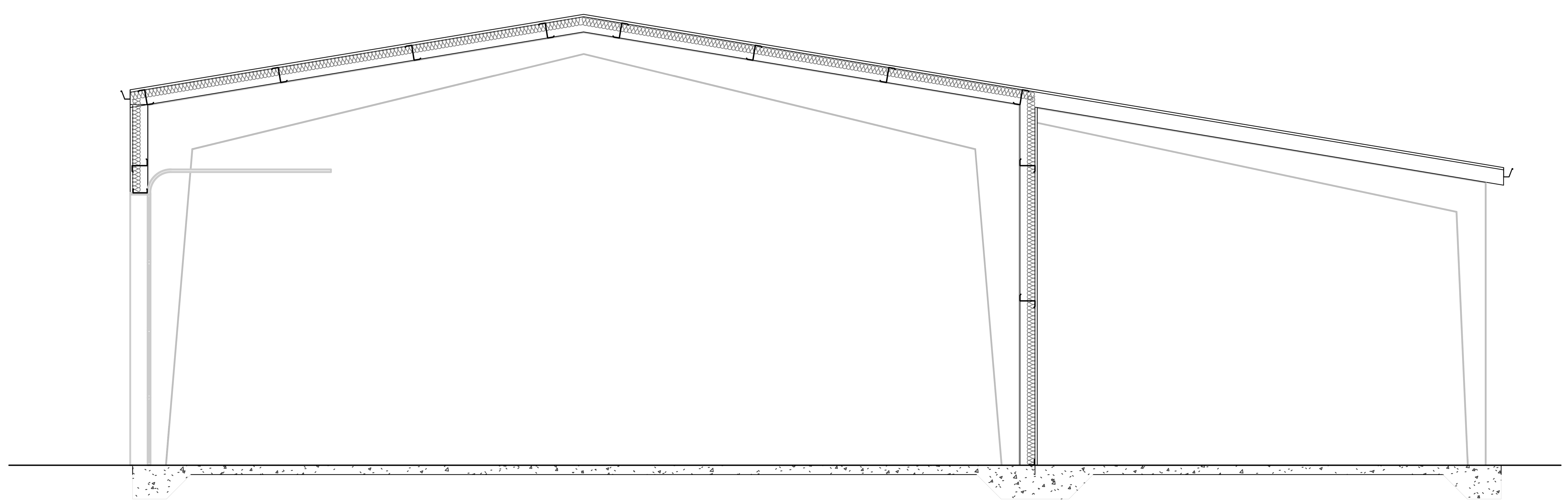

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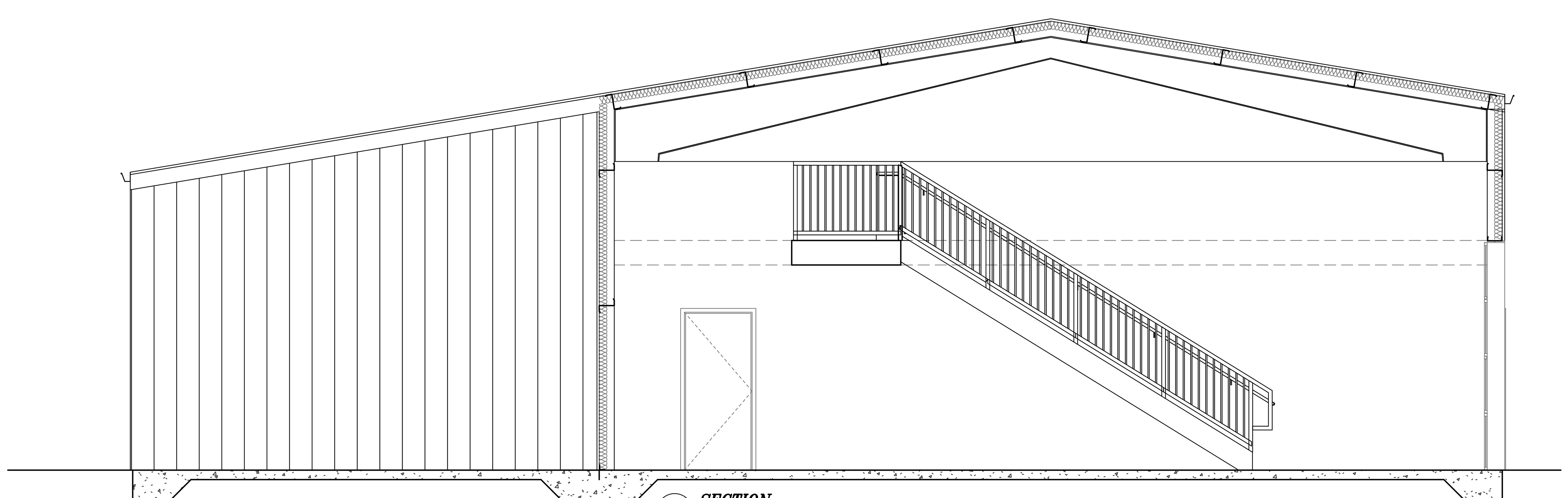

3 A301 **SECTION**
SCALE: 1/4"=1'-0"

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OREGON
DEC. 30, 2011
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91611 N. COBURG RD.
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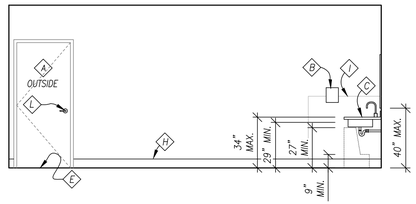
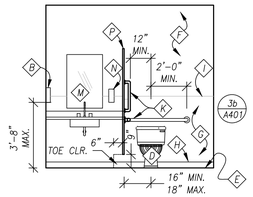
designer:	JJA
project no:	20-004J

SECTIONS

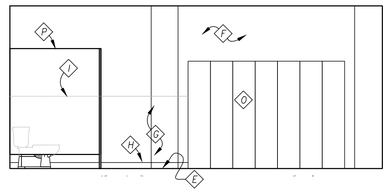
sheet: **A301**



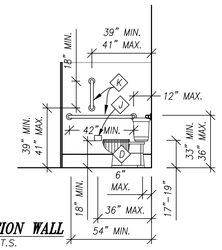
1 / A401 **NORTH WALL**
SCALE: N.T.S.



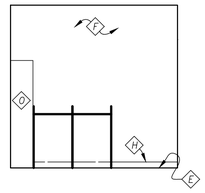
2 / A401 **EAST WALL**
SCALE: N.T.S.



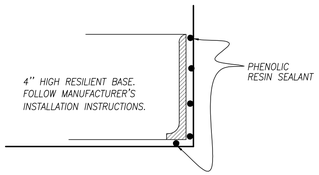
3a / A401 **SOUTH WALL**
SCALE: N.T.S.



3b / A401 **PARTITION WALL**
SCALE: N.T.S.

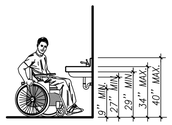


4 / A401 **WEST WALL**
SCALE: N.T.S.



FLOOR TO WALL FINISH AT WATER CLOSET AREAS

5 / A401 **SANITARY BASE**
SCALE: N.T.S.



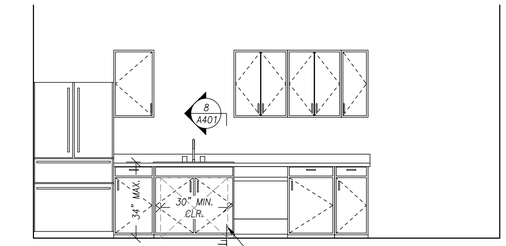
LAVATORY & SINK CLEARANCES

6 / A401 **KNEE & TOE CLEARANCES**
SCALE: N.T.S.

NOTES*

- A — UNISEX SIGN
- B — PAPER TOWEL DISPENSER
- C — WALL-HUNG PORCELAIN LAVATORY SINK R-3 INSULATION ON EXPOSED PIPING
- D — AMERICAN-STANDARD "KADET" ADA COMPLIANT WATER CLOSET. FLUSH CONTROLS SHALL BE ON THE OPEN SIDE OF THE OF THE WATER CLOSET.
- E — SMOOTH, HARD, NON-ABSORBENT FLOOR FINISH
- F — GYPSUM WALLBOARD LEVEL 5 FINISH SMOOTH TEXTURE WITH (2)-COAT PAINT SYSTEM
- G — SMOOTH, HARD, NON-ABSORBENT WAINSCOT SURFACE. 48" HIGH & WITHIN 24" OF LAVATORY OR WATER CLOSET.
- H — 4" RESILIENT BASE, COMPLY WITH MANUFACTURER'S SANITARY BASE INSTALLATION INSTRUCTIONS. SEE 5/A401.
- I — METAL EDGING FOR WAINSCOT
- J — TOILET PAPER DISPENSER "BRADLEY" MODEL 5084 OR APPROVED ALTERNATE
- K — GRAB BAR "BRADLEY" 059 OR APPROVED ALTERNATE
- L — ACCESSIBLE DOOR HANDLE
- M — 24"x36" MIRROR
- N — SOAP DISPENSER
- O — LOCKERS PER OWNER'S DIRECTION.
- P — METAL PARTITION WALL
- Q — KNEE & TOE CLEARANCE PER 6/A401.

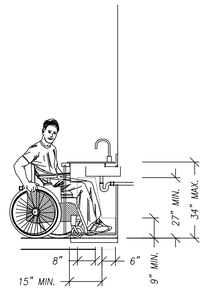
* ALL RESTROOM ACCESSORIES TO BE AS PER OWNER'S SELECTION IF NOT OTHERWISE INDICATED. ELEVATIONS SHOWN BELOW ARE GENERIC AND DEPICT ADA REQUIREMENTS ONLY.



LAYOUT SHOWN HERE IS FOR REFERENCE TO ADA STANDARDS ONLY. KITCHENETTE LAYOUT SHALL BE AT THE DIRECTION OF THE OWNER.

PROVIDE KNEE & TOE CLEARANCE PER SECTION DRAWING. REMOVABLE CABINET DOORS (SHOWN & OPTIONAL)

7 / A401 **KITCHEN ELEVATION**
SCALE: N.T.S.



8 / A401 **SECTION**
SCALE: N.T.S.

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON DEC. 31, 2011 RICARDO HERNANDEZ

PRELIMINARY
NOT FOR CONSTRUCTION

Renews: JUNE 30, 2023

project title:

CITY OF COBURG - OPERATIONS
OPS FLEET MAINTENANCE BUILDING #1

91611 N. COBURG RD.
COBURG, OR

revisions:

date:	DEC 29, 2022
drawn by:	JJA
designer:	JJA
project no:	20-004J

RESTROOM ELEVATIONS

sheet: **A401**

90% REVIEW SET

ROOM FINISH SCHEDULE

ROOM #	NAME	FLOOR	BASE	NORTH	EAST	SOUTH	WEST	CEILING	HEIGHT	NOTES
101	WAREHOUSE	CONC.	METAL	FACTORY FINISH	FACTORY FINISH	FACTORY FINISH	FACTORY FINISH	FACTORY FINISH	VARIES	
102	OFFICE	CONC.	RUBBER	PAINT	PAINT	PAINT	PAINT	PAINT	9'–1"	1
103	OFFICE	CONC.	RUBBER	PAINT	PAINT	PAINT	PAINT	PAINT	9'–1"	1
104	SCADA	CONC.	RUBBER	PAINT	PAINT	PAINT	PAINT	PAINT	9'–1"	1
105	RESTROOM	VINYL*	RUBBER	PAINT/VINYL*	PAINT/VINYL*	PAINT/VINYL*	PAINT/VINYL*	PAINT	9'–1"	1
106	CONFERENCE	CONC.	RUBBER	PAINT	PAINT	PAINT	PAINT	PAINT	9'–1"	1
107	MEZZANINE	WOOD	METAL	FACTORY FINISH	FACTORY FINISH	FACTORY FINISH	FACTORY FINISH	FACTORY FINISH	VARIES	

*FLOOR OR WALL FINISH SPECIFIED HERE MAY BE SUBSTITUTED WITH OTHER SIMILAR SMOOTH, HARD, NON–ABSORBENT SURFACES SUCH AS TILE. VERIFY ACTUAL FINISHES WITH OWNER.

NOTES:

1. RUBBER BASE ONLY AT GYPSUM BOARD WALLS

LEGEND:

CONC: EXPOSED CONCRETE FLOORS, SMOOTH FINISH W/ PAINT

PAINT: PAINT ON FINISHED & TEXTURED GYPSUM BOARD

WOOD: PLYWOOD

VINYL SHEET VINYL WAINSCOT

KEY

HM HOLLOW METAL

CONC SEALED CONCRETE WITH (1) COAT "SONNEBORN KURE–N–HARDEN" OR EQUAL

ACT ACOUSTIC CEILING TILE

SV FIBERGLASS REINFORCED WALL PANEL

RB 4" THERMOSET–RUBBER COVE BASE OR STRAIGHT BASE

GYP PAINTED GYP BOARD; LIGHT SPRAY TEXTURE

PNT PAINT, (1) COAT OF PRIMER, (2) COATS OF EGGSHELL LATEX PAINT

CPT CARPET

HARDWARE GROUPS

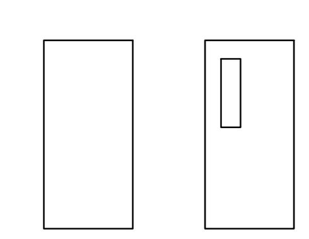
	DESCRIPTION	PART #	QTY.	FINISH	SERIES	VENDOR OR ALTERNATE
GROUP 1:	HINGES	T4A2714 4½x4½ NRP	3	US26D		McKINNEY
EXTERIOR	MORTISE LOCKSET STOREROOM FUNCTION w/ VANDLGARD	LV9453 OR LV9480 (VERIFY)	1	626	03	SCHLAGE
	CYLINDER	P – MATCH EXISTING	1	626		SCHLAGE
	CYLINDER CORE	–	1	626		SCHLAGE
	CLOSER w/ HOLD OPEN DEVICE	4110/4111 HANDED SERIES	1	689		LCN
	SEALS	–	1 SET	–		PEMKO
	RAINDRIP	346 A 40"	1	–		PEMKO
	THRESHOLD	171	1	AL		PEMKO
GROUP 2:	HINGES	TA2714 4 ½ x 4 ½ NRP	3	–		McKINNEY
RESTROOM	PRIVACY FUNCTION LOCKSET w/ "OCCUPIED" INDICATOR	L9496	1	626	03	SCHLAGE
	CLOSER W/STOP	4211 CUSH SRI X TORX	1	–		LCN
	KICK PLATE	8400 12" X 2" LDW X TORX	1	630		IVES
	DOOR SWEEP	200SSS	1	630		NGP
GROUP 3:	HINGES	T4A2714 4½x4½ NRP	3	US26D		McKINNEY
PRIVACY	MORTISE LOCKSET – OFFICE	L9050	1	626	03	SCHLAGE
	CYLINDER	P – MATCH EXISTING	1	626		SCHLAGE
	CYLINDER CORE	–	1	626		SCHLAGE
	CLOSER w/ HOLD OPEN DEVICE	4110/4111 HANDED SERIES	1	689		LCN
GROUP 4:	HINGES	TA2714 4 ½ x 4 ½ NRP	3	–		McKINNEY
PASSAGE	MORTISE LOCKSET – PASSAGE	L9010	1	626	03	SCHLAGE
	CLOSER W/STOP	4211 CUSH SRI X TORX	1	–		LCN
	KICK PLATE	8400 12" X 2" LDW X TORX	1	630		IVES
	DOOR SWEEP	200SSS	1	630		NGP

WINDOW SCHEDULE

WINDOW NUMBER	WIDTH	HEIGHT	BRAND	GLAZING	U FACTOR	SHGC	MIN. VT/SHGC	FINISH	OPERABLE
1	4'–0"	4'–0"	MILGARD OR CERTAINTEED	DOUBLE GLAZED, THERMA–FLECT (LO E)	0.31 MAX.	0.32 MAX.	1.10	VINYL	XO
2	2'–0"	4'–0"	MILGARD OR CERTAINTEED	DOUBLE GLAZED, THERMA–FLECT (LO E)	0.31 MAX.	0.32 MAX.	1.10	VINYL	SH

DOOR SCHEDULE

DOOR	SIZE	EXPOSURE	FUNCTION	FRAME	DOOR	TYPE	HARDWARE GROUP	REMARKS
1	12^{0}x12^{0}	EXTERIOR	OH	METAL	METAL	–	–	MAX. U–FACTOR = 0.31 VISION PANEL AT 7' HEAD HEIGHT
2	8^{0}x10^{0}	EXTERIOR	OH	METAL	METAL	–	–	MAX. U–FACTOR = 0.31 VISION PANEL AT 7' HEAD HEIGHT
3	3^{0}x7^{0}	EXTERIOR	ENTRY	METAL	METAL	B	1	MAX. U–FACTOR = 0.37
4	3^{0}x7^{0}	INTERIOR	OFFICE	METAL	METAL	B	3	
5	3^{0}x7^{0}	INTERIOR	RESTROOM	METAL	METAL	A	2	
6	3^{0}x7^{0}	INTERIOR	PASSAGE	METAL	METAL	B	4	



TYPE A TYPE B

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER OREGON RICARDO HERNANDEZ

PRELIMINARY NOT FOR CONSTRUCTION

Renews: JUNE 30, 2023

project title:

CITY OF COBURG - OPERATIONS
OPS FLEET MAINTENANCE BUILDING #1

91611 N. COBURG RD.
COBURG, OR

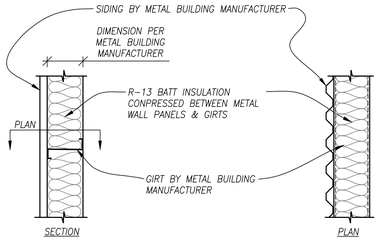
revisions:

date: DEC 29, 2022
drawn by: JJA
designer: JJA
project no: 20-004J

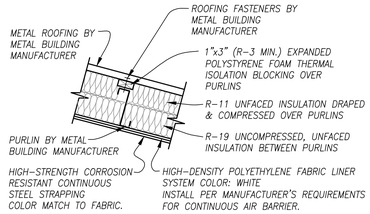
WINDOW, DOOR & HARDWARE SCHEDULE

sheet: A601

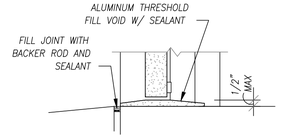
90% REVIEW SET



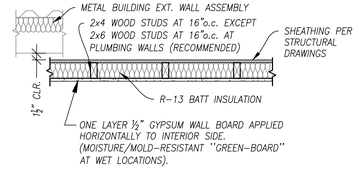
1 A501 **EXTERIOR WALL ASSEMBLY**
SCALE: N.T.S.



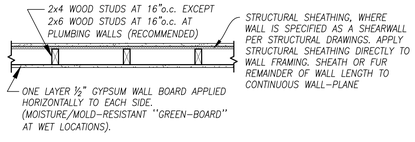
2 A501 **ROOF/CEILING ASSEMBLY**
SCALE: N.T.S.



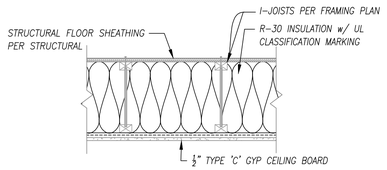
3 A501 **EXTERIOR DOOR SILL**
SCALE: N.T.S.



4 A501 **MEZZANINE ENVELOPE WALL ASSEMBLY**
SCALE: N.T.S.



5 A501 **TYP. INTERIOR WALL ASSEMBLY**
SCALE: N.T.S.



6 A501 **CEILING ASSEMBLY**
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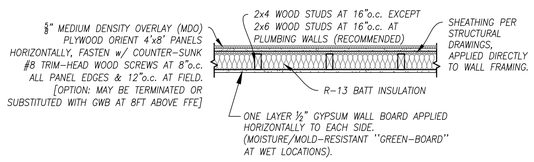

7 A501 **MEZZANINE ENVELOPE WALL w/ PROTECTION BOARD**
SCALE: N.T.S.

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STRUCTURAL REGISTERED PROFESSIONAL ENGINEER
RICARDO HERNANDEZ
OREGON
DEC. 30, 2011
PRELIMINARY
NOT FOR CONSTRUCTION
Renews: JUNE 30, 2023

project title:

CITY OF COBURG - OPERATIONS
OPS FLEET MAINTENANCE BUILDING #1

91611 N. COBURG RD.
COBURG, OR

revisions:

date: DEC 29, 2022
drawn by: JJA
designer: JJA
project no: 20-004J

ARCHITECTURAL DETAILS

sheet: A501

90% REVIEW SET

J:\2020\20-004J OPS BUILDING\DWGS\STRUCT\20-004J STRUCT & ARCH DETAILS.dwg 12/29/2022 2:59 PM JOSHA

DESIGN LOADS – METAL BUILDING

SEISMIC LOAD DESIGN CRITERIA		
RISK CATEGORY		II
SEISMIC IMPORTANCE FACTOR, I_E		1.0
SHORT TERM MAPPED SPECTRAL RESPONSE ACCELERATION, S_S		0.702
ONE SECOND MAPPED SPECTRAL RESPONSE ACCELERATION, S_1		0.397
SITE CLASS		D
SITE COEFFICIENT, F_a		1.239
SITE COEFFICIENT, F_v		NULL –SEE SECTION 11.4.8
SHORT TERM SPECTRAL RESPONSE COEFFICIENT, S_{DS}		0.580
ONE SECOND SPECTRAL RESPONSE COEFFICIENT, S_{D1}		NULL –SEE SECTION 11.4.8
SEISMIC DESIGN CATEGORY		D
WIND LOAD DESIGN CRITERIA		
BASIC WIND SPEED – 3 SEC GUST (mph)		98
RISK CATEGORY		II
WIND EXPOSURE		C
ANALYSIS PROCEDURE USED		PER METAL BUILDING MANF.
LIVE LOAD DESIGN CRITERIA		
FLOOR LIVE LOAD (psf)		HS–20
SNOW LOAD DESIGN CRITERIA		
GROUND SNOW LOAD (psf)		12
ROOF SNOW LOAD (psf)		20
DEAD LOAD DESIGN CRITERIA		
ROOF DEAD LOAD (psf)		PER BUILDING MANF.
ROOF COLLATERAL LOAD (psf)		PER BUILDING MANF.
FOUNDATION DESIGN CRITERIA		
ALLOWABLE BEARING CAPACITY (psf)		1500
ALLOWABLE LATERAL EARTH PRESSURE (psf)		100
FRICTION COEFFICIENT		0.35

DESIGN LOADS – MEZZANINE

SEISMIC LOAD DESIGN CRITERIA		
BASIC SEISMIC–FORCE–RESISTING SYSTEM		WOOD–FRAMED SHEARWALLS
RESPONSE MODIFICATION FACTOR, R		6.5
SEISMIC RESPONSE COEFFICIENT, CS		0.083
ANALYSIS PROCEDURE USED		EQUIVALENT LATERAL FORCE PROCEDURE
LIVE LOAD DESIGN CRITERIA		
LOWER FLOOR LIVE LOAD (psf, lb)		100, 2000
MEZZANINE FLOOR LIVE LOAD (psf)		125, 25
DEAD LOAD DESIGN CRITERIA		
CEILING DEAD LOAD (psf)		8
EXT WALL DEAD LOAD (psf)		8

WOOD FRAMING SPECIFICATIONS:

1. ALL DIMENSIONAL LUMBER FRAMING IS #2 DF, U.N.O.
2. ALL WOOD FRAMING IN CONTACT WITH CONCRETE TO BE #2 HF P.T., U.N.O.
3. ALL LSL FRAMING TO BE 1.55E TIMBERSTRAND, U.N.O.
4. ALL LVL 2.0E MICROLLAM LVL

STEEL SPECIFICATIONS:

1. STEEL PLATES – A36
2. STEEL HSS – A500 GRADE B
3. STEEL CHANNEL & ANGLE SHAPES – A36
4. STEEL BOLTS – A325N U.N.O.
5. STEEL WELD ELECTRODES –70xx
6. USE HOT DIP GALV. FASTENERS WHERE INSTALLED LOCATION IS EXPOSED TO MOISTURE, PRESSURE TREATED WOOD, OR OTHER CORROSIVE ENVIRONMENTS.
7. GALVANIZING TO BE IN ACCORDANCE WITH ASTM A123 OR A153 AS APPLICABLE.
8. THREADED ROD SHALL BE F1554 GRADE 36 OR BETTER. INSTALL ANCHORS PER MFG. SPECIFICATIONS

CONCRETE SPECIFICATIONS:

1. CEMENT: ASTM C150 TYPE I OR II.
2. WATER: IN CONFORMANCE WITH ASTM C94.
3. WATER–REDUCING ADMIXTURE: ASTM C494 TYPE A, OR TYPE F MID–RANGE TYPE.
4. STRUCTURAL CONCRETE SHALL BE f'c = 4500 PSI AT 28 DAYS. SLUMP SHALL BE 4" +/– 1". SLUMPS MAY BE INCREASED TO 8" MAXIMUM w/ APPROVED ADMIXTURE.
5. MAXIMUM W/C RATIO SHALL BE 0.45
6. AIR CONTENT: 6% ±1.5% (CONCRETE EXPOSED TO FREEZING–AND–THAWING CYCLES)
7. CONCRETE MATERIALS AND QUALITY SHALL BE IN ACCORDANCE WITH THE CURRENT ADOPTED VERSION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
8. TRANSPORTATION OF READY–MIX CONCRETE SHALL BE IN ACCORDANCE WITH ASTM C94 "SPECIFICATION FOR READY–MIX CONCRETE" AND CONCRETE PLACEMENT, CONSOLIDATION, AND CURING SHALL BE IN ACCORDANCE WITH SECTION 5 OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE".
9. HOT–WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305R "GUIDE TO HOT–WEATHER CONCRETING" AND 305.1 "STANDARD SPECIFICATION FOR HOT–WEATHER CONCRETING". COLD–WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306R "GUIDE TO COLD–WEATHER CONCRETING" AND 306.1 "STANDARD SPECIFICATION FOR COLD–WEATHER CONCRETING".
10. USE ASTM A615 GRADE 60 REINFORCING BARS
11. THREADED ROD ANCHORS SHALL BE F1554 GRADE 36 OR BETTER. INSTALL ANCHORS PER MFG. SPECIFICATIONS

90% REVIEW SET

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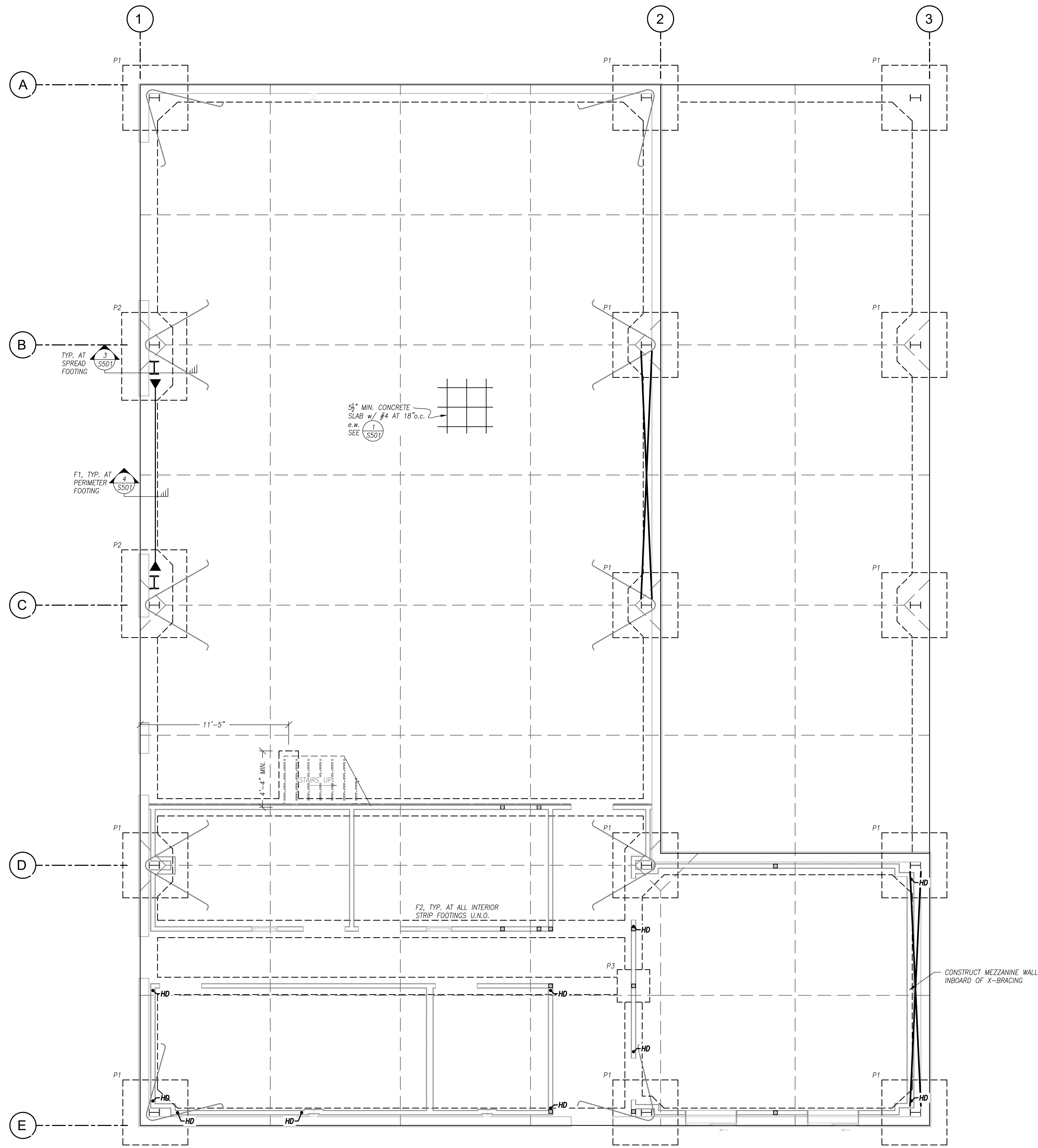
STRUCTURAL NOTES

sheet: S001



1 S101 **FOUNDATION PLAN**
SCALE: 1/4"=1'-0"

LEGEND

- WOOD COLUMN PER SCHEDULE
- BUILDING MANUFACTURER COLUMN
- THICKENED SLAB STRIP FOOTING
- THICKENED SLAB EDGE FOOTING
- SPREAD FOOTING
- BUILDING MANUFACTURER X-BRACING
- BUILDING MANUFACTURER PORTAL FRAME
- HD — HOLDOWN

GENERAL NOTES:

1. FOUNDATION DESIGN SHOWN HEREON IS BASED ON PRELIMINARY REACTIONS ESTIMATED BY BRANCH ENGINEERING, INC. FINAL FOUNDATION DESIGN SHALL BE BASED UPON BUILDING FRAME REACTIONS TO BE FURNISHED BY THE SELECTED METAL BUILDING MANUFACTURER AND MAY VARY FROM THAT SHOWN HEREON. THE FOUNDATION DESIGN SHOWN HEREON SHALL NOT BE CONSTRUCTED UNTIL WRITTEN APPROVAL OR OTHER INSTRUCTION IS GIVEN BY BRANCH ENGINEERING, INC.
2. REQUIRED ANCHOR BOLT PROJECTION SHALL BE PER METAL BUILDING MANUFACTURER.
3. ANCHOR BOLT PATTERNS, LOCATIONS, SPACING, & ORIENTATION SHALL BE PER THE METAL BUILDING MANUFACTURER DRAWINGS.
4. LATERAL BRACING SHALL BE PER THE METAL BUILDING MANUFACTURER. LATERAL BRACING LAYOUT SHALL BE CONSISTENT WITH THAT SHOWN HEREON. CONTACT THE FOUNDATION DESIGN ENGINEER IF LATERAL BRACING LAYOUT DIFFERS FROM THAT SHOWN.
5. DO NOT SCALE THE STRUCTURAL DRAWINGS. USE DIMENSIONS GIVEN IN DRAWING BY METAL BUILDING MANUFACTURER. DIMENSIONS SHOWN HEREIN ARE FOR REFERENCE ONLY. CONTACT ENGINEER IF FURTHER INFORMATION IS NEEDED.
6. COMPACTED CRUSHED ROCK BASE BENEATH ALL CONCRETE ELEMENTS SHALL BE 6" MINIMUM THICKNESS ¾"-0" CRUSHED ROCK COMPACTED TO 95% RELATIVE DENSITY, MODIFIED PROCTOR METHOD. REFER TO GEOTECHNICAL ENGINEER'S REPORT FOR FOUNDATION PREPARATION REQUIREMENTS, WHERE APPLICABLE.

CONCRETE SPECIFICATIONS:

1. CEMENT: ASTM C150 TYPE I OR II.
2. WATER: IN CONFORMANCE WITH ASTM C94.
3. WATER-REDUCING ADMIXTURE: ASTM C494 TYPE A, OR TYPE F MID-RANGE TYPE.
4. STRUCTURAL CONCRETE SHALL BE f'c = 4500 PSI AT 28 DAYS. SLUMP SHALL BE 4" +/- 1". SLUMPS MAY BE INCREASED TO 8" MAXIMUM w/ APPROVED ADMIXTURE.
5. MAXIMUM W/C RATIO SHALL BE 0.45
6. AIR CONTENT: 6% ±1.5% (CONCRETE EXPOSED TO FREEZING-AND-THAWING CYCLES)
7. CONCRETE MATERIALS AND QUALITY SHALL BE IN ACCORDANCE WITH THE CURRENT ADOPTED VERSION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
8. TRANSPORTATION OF READY-MIX CONCRETE SHALL BE IN ACCORDANCE WITH ASTM C94 "SPECIFICATION FOR READY-MIX CONCRETE" AND CONCRETE PLACEMENT, CONSOLIDATION, AND CURING SHALL BE IN ACCORDANCE WITH SECTION 5 OF ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE".
9. HOT-WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 305R "GUIDE TO HOT-WEATHER CONCRETING" AND 305.1 "STANDARD SPECIFICATION FOR HOT-WEATHER CONCRETING". COLD-WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI 306R "GUIDE TO COLD-WEATHER CONCRETING" AND 306.1 "STANDARD SPECIFICATION FOR COLD-WEATHER CONCRETING".
10. USE ASTM A615 GRADE 60 REINFORCING BARS
11. THREADED ROD ANCHORS SHALL BE F1554 GRADE 36 OR BETTER. INSTALL ANCHORS PER MFG. SPECIFICATIONS

FOOTING SCHEDULE

MARK	SIZE	REINFORCING	NOTE
F1	1'-4"Wx1'-6"T	(2) #5 LONGITUDINAL PER DETAIL	
F2	1'-4"Wx8"T	(2) #5 LONGITUDINAL PER DETAIL	
P1	5'-0"x5'-0"x1'-6"	(5) #5 E.W., TOP & BOTT.	
P2	6'-9"x5'-0"x1'-6"	#5 BARS AT 16"o.c. E.W., TOP & BOTT.	
P3	2'-6"x2'-6"x8"	(3) #5 E.W., 3" CLR. OF BOTTOM	

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PRELIMINARY
NOT FOR CONSTRUCTION
Renews: JUNE 30, 2023

project title:

CITY OF COBURG - OPERATIONS OPS FLEET MAINTENANCE BUILDING #1

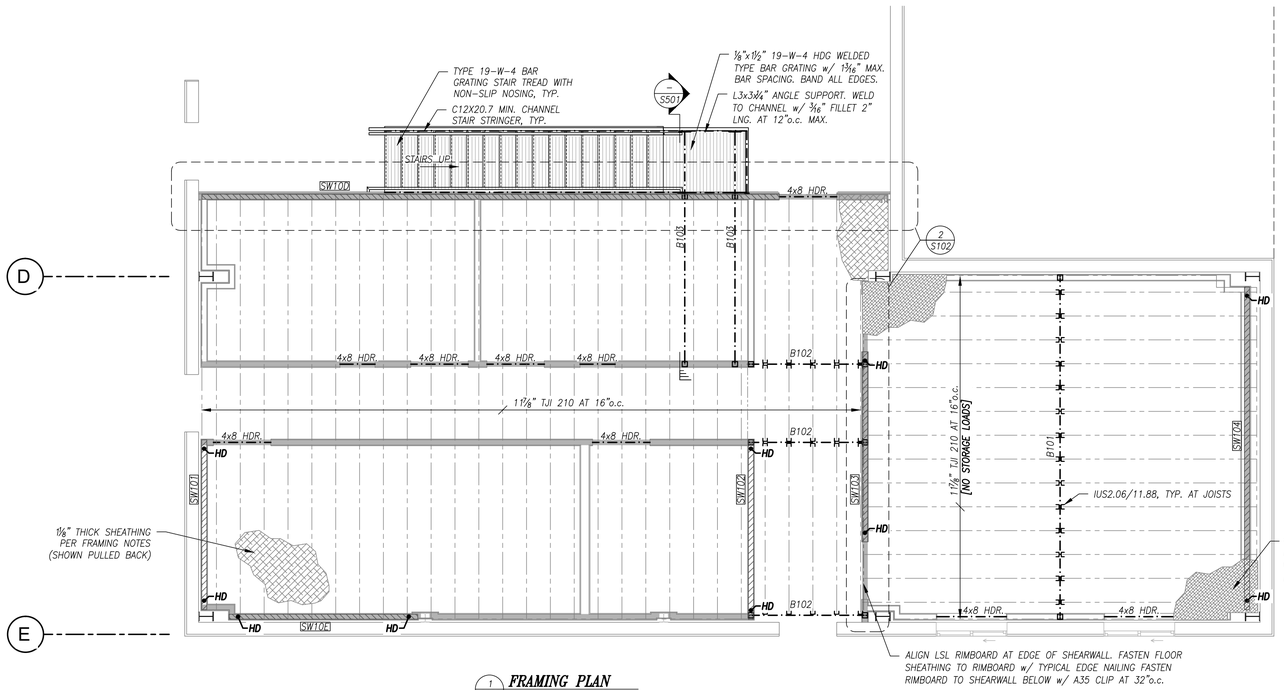
91611 N. COBURG RD.
COBURG, OR

revisions:

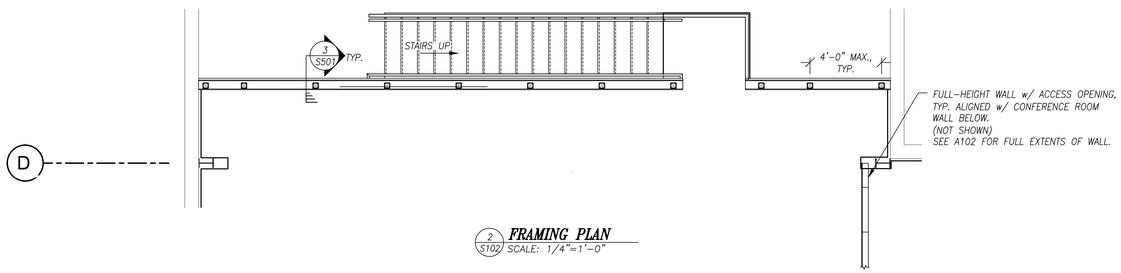
date: DEC 29, 2022
drawn by: JJA
designer: JJA
project no: 20-004J

FOUNDATION PLAN

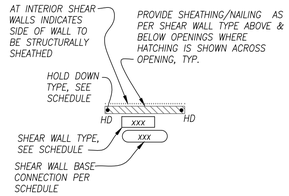
sheet: S101



1 S102 **FRAMING PLAN**
SCALE: 1/4"=1'-0"



2 S102 **FRAMING PLAN**
SCALE: 1/4"=1'-0"



SHEAR WALL LEGEND

LEGEND

- BUILT-UP STUD COLUMN, U.N.O.
- BUILDING MANUFACTURER COLUMN
- INTERIOR WALLS
- JOISTS
- BEAMS & HEADERS
- EDGE OF MEZZANINE
- CANOPY ABOVE
- HD HD — SHEARWALL & HOLDOWNS
- BEARING WALL

SHEET NOTES

1. USE 11-7/8" TJI 210 FLOOR JOISTS AT 16"o.c. & 1-3/4" MIN. BEARING LENGTH, U.N.O..
2. USE 1⅛" MIN. THICKNESS OSB OR CDX T&G FLOOR SHEATHING NAILED w/ 10d AT 6"o.c. AT SUPPORTED PANEL EDGES & 12" o.c. AT FIELD, U.N.O. APPLY WITH LONG DIMENSION PERPENDICULAR TO FRAMING & STAGGER PANEL LAYOUT. IN ADDITION TO NAILING, USE 1/4" BEAD OF ADHESIVE MEETING APA AFG-01 SPECIFICATIONS AT EA JOIST. WHERE ADJOINING PANEL EDGES MEET ON A SINGLE JOIST, USE 1/4" BEAD OF ADHESIVE UNDER EA. SHEATHING PANEL EDGE. SUBSTITUTE 5/16" THICK CDX, 6d NAILS, & OMIT GLUE WHERE SPECIFIED PER PLAN.
3. USE 1-1/2" LSL RIM BOARD U.N.O.
4. ALL WINDOW & DOOR HEADERS AT EXTERIOR BEARING WALLS SHALL BE 4 x 8 #2 DF (4" MAX. CLEAR OPENING), U.N.O. ALL OTHER HEADERS ARE PER PLAN.
5. USE ONE 2x TRIMMER & KING STUD AT EACH END OF EACH HEADER, U.N.O.
6. USE BUILT-UP 2x STUD-COLUMN EQUAL TO WIDTH OF SUPPORTED BEAM AT ALL BEAM BEARING POINTS. FACE NAIL EA. PLY OF COLUMN w/ 10d AT 16"o.c. FASTEN WALL SHEATHING TO STUD-COL. OR PROVIDE BRACING AT 12"o.c. MAX.
7. PROVIDE SQUASH BLOCKING 1⅛" TALLER THAN FLOOR CAVITY AT ALL COLUMN LOCATIONS, PER MANUFACTURER'S RECOMMENDATION.
8. PROVIDE SOLID LSL BLOCKING IN FLOOR CAVITY AT ALL INTERIOR BEARING WALLS OR SHEARWALLS.
9. SHEARWALLS AT FOUNDATION LEVEL SHALL BE CONSTRUCTED PER DETAIL 4, SHEET S501.
10. EXTERIOR WALL NOT SPECIFIED AS SHEARWALLS, USE 15/32" CDX OR 7/16" OSB FASTENED w/ 8d NAILS AT 6"o.c. ALL PANEL EDGES, 12"o.c. AT INTERMEDIATE FRAMING (FIELD).

FRAMING SCHEDULE

MARK	SIZE	REMARKS
B101	(4) 1¾"x11⅞" 2.0E MICRO=LAM LVL	
B102	(2) 1¾"x11⅞" 2.0E MICRO=LAM LVL	
B103	HSS10x2½"	

SHEAR WALL SCHEDULE

MARK	SHEATHING	STUDS AT PANEL EDGES	PANEL EDGE NAILING
ALL	15/32" CDX OR 7/16" OSB	2x	8d AT 6"o.c.

HOLD DOWN SCHEDULE

MARK	"SIMPSON" HARDWARE	END STUDS	ANCHOR	EMBED
HD	HDU2	(2) 2x	PAB5	6"

BASE CONNECTION SCHEDULE

TYPE	16d NAIL SPACING*, U.N.O.	⅝" J-BOLT MAX. SPACING
ALL	(3) EVERY 16"o.c.	48"

*NAILED CONNECTION ONLY WHERE USING MUDSILL PLATE & SOLE PLATE

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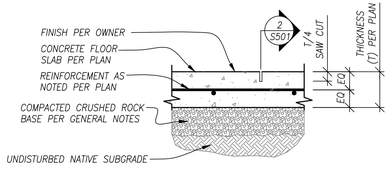
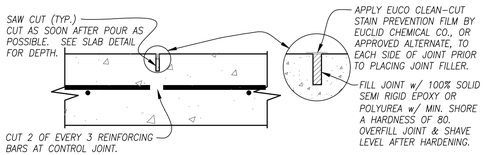
MEZZANINE FRAMING PLAN

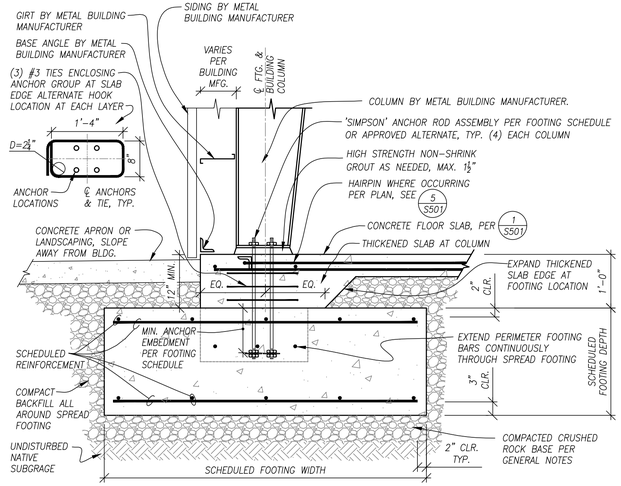
sheet: S102



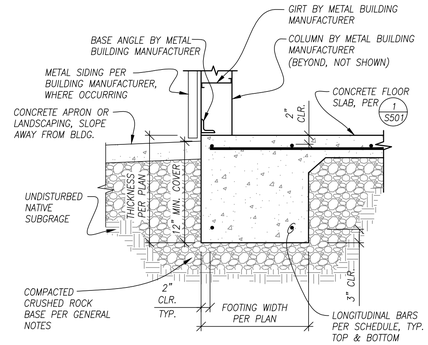
1 S501 **SLAB-ON-GRADE** SCALE: N.T.S.



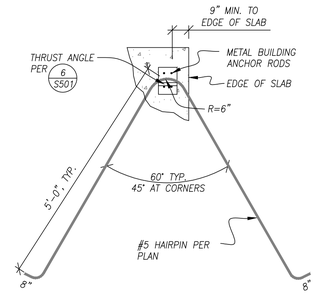
2 S501 **CONTROL JOINT** SCALE: N.T.S.



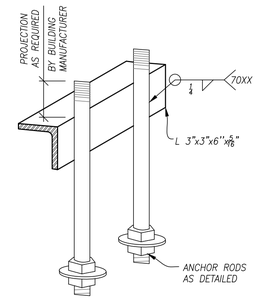
3 S501 **SPREAD FOOTING** SCALE: N.T.S.



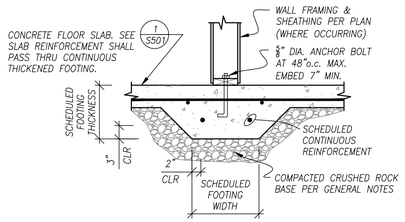
4 S501 **THICKENED SLAB EDGE** SCALE: N.T.S.



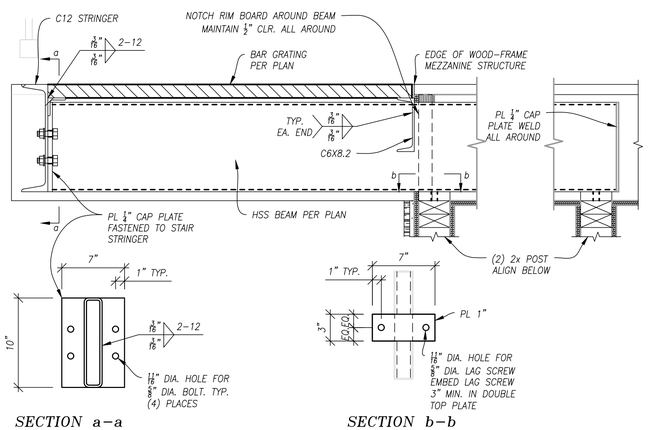
5 S501 **HAIR PIN DETAIL** SCALE: N.T.S.



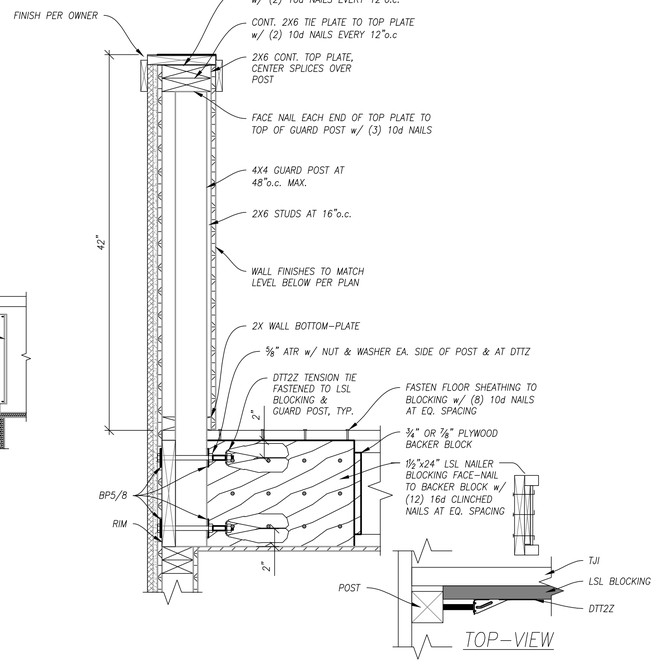
6 S501 **THRUST ANGLE DETAIL** SCALE: N.T.S.



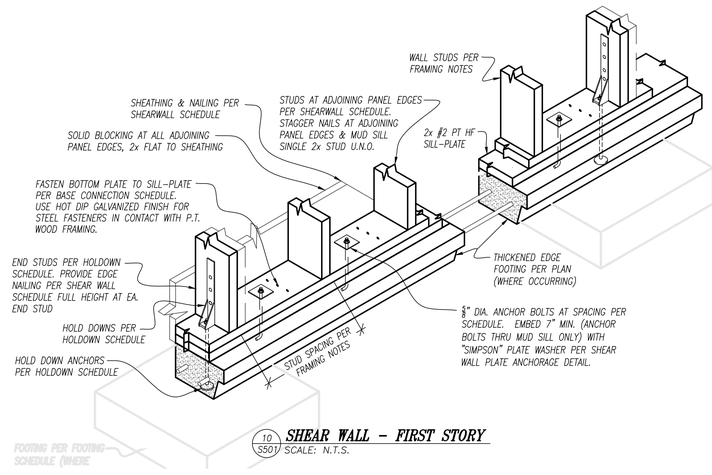
7 S501 **THICKENED FOOTING** SCALE: N.T.S.



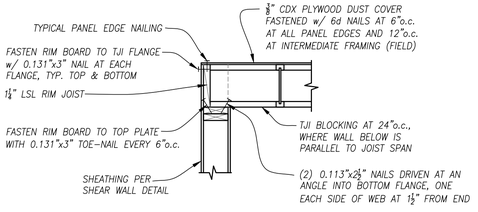
8 S501 **STAIRWAY SUPPORTS** SCALE: N.T.S.



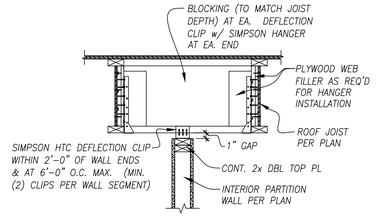
9 S501 **PONY WALL - GUARD** SCALE: N.T.S.



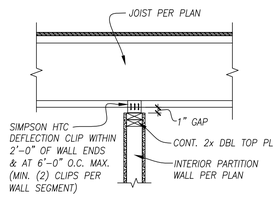
10 S501 **SHEAR WALL - FIRST STORY** SCALE: N.T.S.



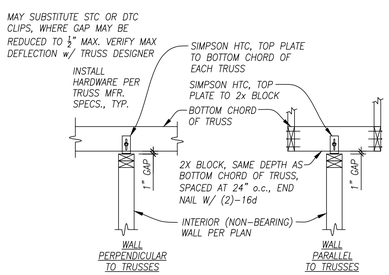
11 S501 **TJI TO WALL CONNECTION** SCALE: N.T.S.



PARTITION WALL BRACING (WALL PARALLEL TO JOISTS) 12 S501 SCALE: N.T.S.



PARTITION WALL BRACING (WALL PERP. TO JOISTS) 13 S501 SCALE: N.T.S.



PARTITION WALL BRACING AT TRUSSES 14 S501 SCALE: N.T.S.

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STRUCTURAL FOUNDATION DETAILS

sheet: S501