NMHS - HUMANITIES RESTROOM

MEDFORD SCHOOL DISTRICT

1900 N. Keene Way Dr,
Medford, OR

100% CD
06/07/2024

arkitek
design&architecture

DATE PRINTED: 10/08/2024 18:27:25
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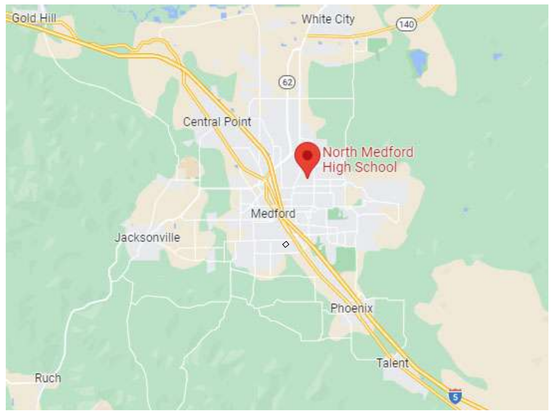
VICINITY MAP



PROJECT ADDRESS:

1900 N. Keene Way Dr, Medford, OR

PROJECT SUMMARY:

REMODEL EXISTING ADJACANT RESTROOMS (SEPERATED BY GENDER) INTO A SINGLE GENDER NEUTRAL RESTROOM CORE.

PROJECT TEAM

OWNER
MEDFORD SCHOOL DISTRICT
www.medford.k12.or.us
815 s. oakdale ave.
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(541) 261-4513
Andy Chasteen, Facilities Manager

ARCHITECT
ARKITEK: DESIGN & ARCHITECTURE
www.arkitek.us
426 a street, suite 101
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Christopher Brown, Principal

STRUCTURAL ENGINEER
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Cameron Harris, PE, Principal

MECHANICAL / ELECTRICAL / PLUMBING ENGINEERS
INSIGHT CONSULTING ENGINEERS, LLC.
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Aaron Muller, P.E.

ELECTRICAL ENGINEER
DOUGLAS ENGINEERING PACIFIC, INC
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290 n. main street #6
ashland, OR 97520
(541) 482-3938
Myron Hudson, Electrical Engineer, Vice President

DEFERRED SUBMITTALS

REFER TO SPECIFICATION SECTION 01 1150 FOR BIDDER DESIGN REQUIREMENTS FOR BOTH AHJ REVIEW ITEMS AND NON-AHJ DEFERRED ITEMS. SUBMITTAL DOCUMENTS FOR AHJ DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD BY THE GENERAL CONTRACTOR. ARCHITECT AND APPROPRIATE ENGINEER OF RECORD SHALL REVIEW AND RETURN. THE GENERAL CONTRACTOR SHALL THEN FORWARD AHJ SUBMITTAL ITEMS TO THE BUILDING OFFICIAL FOR AHJ APPROVAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE AHJ DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

AUTHORITY HAVING JURISDICTION (AHJ) DEFERRED SUBMITTAL ITEMS INCLUDE ALL OF THE FOLLOWING DESIGN/ BUILD PORTIONS OF THE PROJECT:

A. MECHANICAL
B. ELECTRICAL
C. PLUMBING
D. FIRE SPRINKLERS
E. FIRE ALARM

PROJECT NOTES

1. THE CONSTRUCTION CONTRACT IS FOR THE CONSTRUCTION OF A COMPLETE AND FULLY FUNCTIONING INSTALLATION. THESE DOCUMENTS DESCRIBE THE DESIGN INTENT AND SPECIFIC REQUIREMENTS OF THE INSTALLATION. THESE DOCUMENTS DO NOT INTEND TO SHOW EVERY ITEM REQUIRED TO CONSTRUCT THE WORK. ITEMS SUCH AS FASTENERS, CONNECTORS, FILLERS, MISCELLANEOUS CLOSURE ELEMENTS, ANCILLARY CONTROL WIRING AND POWER WHERE REQUIRED FOR THE CONTROL OR OPERATION OF THE PROVIDED EQUIPMENT ARE NOT ALWAYS SHOWN BUT ARE CONSIDERED INCLUDED IN THE SCOPE OF THE WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE A FULLY FUNCTIONING INSTALLATION WHICH MEETS THE DESIGN INTENT, INCLUDING THE SPECIFIC REQUIREMENTS INCLUDED IN THESE DOCUMENTS.
2. ALL ITEMS IN THESE DOCUMENTS ARE NEW UNLESS OTHERWISE NOTED.
3. USE OF PRE-USED OR SALVAGED MATERIALS IN LIEU OF NEW MATERIALS SHALL BE ALLOWED WITH PRIOR OWNER APPROVAL. THE CONTRACTOR SHALL COORDINATE THESE ITEMS WITH THE OWNER AND IS RESPONSIBLE FOR ASSESSING THEIR COMPATIBILITY WITH THE SPECIFIED BUILDING ASSEMBLIES AND ALL APPLICABLE CODES.
4. THESE DOCUMENTS DESCRIBE A SINGLE CONSTRUCTION CONTRACT. THE USE OF SUBCONTRACTORS IS THE ELECTION OF THE CONTRACTOR. THESE DOCUMENTS DO NOT INTEND TO DIVIDE THE WORK AMONG THE CONTRACTOR'S SUBCONTRACTORS. WHERE THE DOCUMENTS IDENTIFY WORK WHICH IS "NOT IN MECHANICAL WORK" OR "NOT IN ELECTRICAL WORK" IT MEANS THAT WORK IS NOT FURTHER DESCRIBED OR SPECIFIED IN THE MECHANICAL OR ELECTRICAL DRAWINGS OR SPECIFICATIONS. IT DOES NOT PRECLUDE THE CONTRACTOR FROM DELEGATING THE WORK TO THE ENTITIES OF HIS ELECTION. IN ADDITION THE DIVISION OF THE CONTRACT DOCUMENTS INTO ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL AND OTHER DESIGN DISCIPLINES NEITHER DIVIDES THE WORK FOR THOSE DISCIPLINES AS SHOWN ONLY IN THOSE DRAWINGS OR SPECIFICATIONS.
5. ITEMS INDICATED IN THIS SET NOTED "BY OWNER" ARE NOT IN THE CONTRACT (N.I.C.)
6. UNLESS OTHERWISE NOTED, IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND THE SUBCONTRACTORS TO REVIEW ALL DRAWINGS, ADDENDA, ETC. IN ORDER TO ASSURE THE COORDINATION OF ALL WORK AFFECTING EACH TRADE. FAILURE TO REVIEW AND COORDINATE ALL CONTRACT DOCUMENTS BY THE GENERAL CONTRACTOR WITH ALL THE SUBCONTRACTORS FOR APPLICABLE ITEMS OF THE WORK SHALL NOT RELIVE THE RESPONSIBLE PARTY FROM PERFORMING ALL WORK SO REQUIRED AS PART OF THE CONTRACT.
7. UNLESS OTHERWISE NOTED, THE SPECIFICATIONS, WHICH INCLUDES THE GENERAL CONDITIONS, SUPPLEMENTAL CONDITIONS, AND TECHNICAL SPECIFICATIONS, AND THE DRAWINGS ARE COMPLEMENTARY AND TOGETHER DESCRIBE THE PROJECT REQUIREMENTS. WHERE THERE ARE DISCREPANCIES BETWEEN THE SPECIFICATIONS AND THE DRAWINGS, THE CONTRACTOR SHALL ADVISE THE ARCHITECT AND REQUEST A CLARIFICATION.
8. UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL LAYOUT AND SEQUENCE THE INSTALLATION OF THE WORK SO THAT THE DIFFERENT SYSTEMS DO NOT OBSTRUCT THE INSTALLATION OF SUCCESSIVE WORK. IN GENERAL, SYSTEMS INSTALLED FIRST SHOULD BE KEPT AS HIGH AND TIGHT TO STRUCTURE AS POSSIBLE TO LEAVE SPACE AVAILABLE FOR SYSTEMS WHICH FOLLOW.
9. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS WILL VISIT THE SITE PRIOR TO BIDDING IN ORDER TO FAMILIARIZE THEMSELVES WITH THE EXISTING SITE CONDITIONS AND THE IMPACT OF THE PROPOSED NEW WORK, INDICATED ON THE DRAWINGS AND SPECIFICATIONS, ON THESE CONDITIONS. ANY QUESTIONS REGARDING THE COORDINATION OF NEW WORK OR EXISTING CONDITIONS MUST BE SUBMITTED TO THE OWNER'S REPRESENTATIVE IN WRITING PRIOR TO BID SUBMISSION AND WITH ADEQUATE TIME FOR RESPONSE TO ALL BIDDERS. THE OWNER'S REPRESENTATIVE WILL RESPOND TO QUESTIONS, SUBMITTED IN A TIMELY MANNER, WITH WRITTEN CLARIFICATIONS FORWARDED TO ALL BIDDERS.
10. THE EXISTING DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS ARE ASSUMED TO BE ACCURATE BASED ON AVAILABLE INFORMATION. THE CONTRACTOR SHALL, PRIOR TO THE START OF CONSTRUCTION, VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS, PROVIDE A COMPLETE FIELD LAYOUT ON THE JOB SITE, AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DEVIATIONS OR CONFLICTS WITH THESE DRAWINGS.
11. THE DRAWINGS SHALL NOT BE SCALED. THE GENERAL CONTRACTOR SHALL REFER TO THE DIMENSIONS INDICATED OR THE ACTUAL SIZES OF CONSTRUCTION ITEMS. WHERE NO DIMENSIONS OR METHOD OF DETERMINING A LOCATION IS GIVEN, VERIFY CORRECT DIMENSIONS OR LOCATION WITH THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
12. THE DRAWINGS AND REFERENCED DETAILS HAVE BEEN DIMENSIONED IN ORDER TO ESTABLISH THE CONTROL AND GUIDELINES FOR FIELD LAYOUT. WHERE A DISCREPANCY EXISTS BETWEEN THE DRAWING AND THE DETAIL THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO INSTALLATION.
13. ALL DIMENSIONS ARE FACE OF FINISH (FOF) UNLESS OTHERWISE NOTED.
14. WHERE DIMENSIONS ARE NOTED TO BE VERIFIED IN THE FIELD (VIF) THE DIMENSION SHOWN IS THE BASIS BASIS, BUT MAY DIFFER FROM ACTUAL CONDITIONS. CONTRACTOR SHALL VERIFY THESE DIMENSIONS WHILE LAYING OUT THE WORK AND REPORT ANY DISCREPANCIES BETWEEN THE DESIGN BASIS AND ACTUAL DIMENSIONS TO THE OWNER'S REPRESENTATIVE PRIOR TO PROCEEDING WITH THE WORK. WHERE DIMENSIONS ARE NOTED "+/-" FIELD DIMENSIONS MAY VARY FROM THE NOTED DIMENSIONS BY MINOR AMOUNTS. IF THE CONTRACTOR IDENTIFIES DIMENSIONS IN THE FIELD THAT DIFFER BY MORE THAN 1" FROM THE +/- DIMENSIONS INDICTED IN THE DRAWINGS, THE CONTRACTOR SHOULD CONFIRM DIFFERENTIAL WITH ARCHITECTS.
15. INTERIOR DETAILS ARE KEYED TO THE PLANS AT TYPICAL LOCATIONS. TYPICAL DETAILS APPLY TO ALL LOCATIONS WHICH ARE SIMILAR BUT ARE NOT OTHERWISE DETAILED. THE CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE TO COORDINATE THE LOCATION OF TYPICAL DETAILS AND INSTALL THE WORK INDICATED. IF DISCREPANCIES EXIST OR QUALIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO PROCEEDING.
16. INTERIOR FINISHES ARE KEYED TO THE DRAWINGS AT TYPICAL LOCATIONS. THE FINISHES APPLY TO ALL LOCATIONS WHICH ARE SIMILAR BUT ARE NOT OTHERWISE DETAILED. CONTRACTOR AND SUBCONTRACTORS ARE RESPONSIBLE TO COORDINATE THE LOCATION ALL TYPICAL DETAILS AND INSTALL THE WORK INDICATED. IF DISCREPANCIES EXIST OR QUALIFICATION IS REQUIRED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE FOR CLARIFICATION PRIOR TO PROCEEDING.
17. ELEVATIONS ARE TO TOP OF CONCRETE OR OTHER HARD SURFACE MATERIAL. DO NOT SCALE DRAWINGS. USE DIMENSIONS INDICATED.
18. DETAILS ARE INTENDED TO SHOW METHOD AND MANNER OF ACCOMPLISHING THE WORK. MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND SHALL BE INCLUDED AS PART OF THE WORK.
19. PROVIDE PEDESTRIAN PROTECTION AS NECESSARY AND AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
20. ALL CONSTRUCTION RELATING TO BUILDING, PARKING OR SITE DEVELOPMENT SHALL CONFORM TO STATE OF OREGON AND JURISDICTIONAL ACCESSIBILITY REQUIREMENTS.
21. THE CONTRACTOR SHALL COORDINATE ANY AND ALL REQUIREMENTS FOR OFF-SITE IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO SIDEWALKS, DRIVEWAYS, CURBS, GUTTERS, UTILITIES, ETC. OFF SITE IMPROVEMENTS SHALL MEET THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION (AHJ).
22. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. SPECIFIC NOTES ON DETAILS APPLY TO SIMILAR CONDITIONS UNLESS NOTED OTHERWISE (UNO / UON).

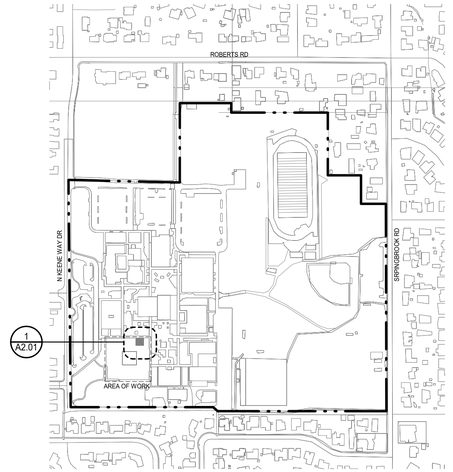
PLUMBING SUMMARY

PLUMBING CALCULATIONS BASED ON TYPICAL SCHOOL DAY OCCUPANCY, INCLUDING FULL STAFF AND STUDENT OCCUPANCY.

OCC CLASS:	OCC. LOAD:	
B	6,980	(OFFICES)
E	26,451	(CLASSROOMS)
S	897	(STORAGE)

FIXTURE CALCULATIONS										
	WC FORMULA		LAV FORMULA			WC CALC		LAV CALC		DF
USE	M	F	M	F	OCC	M	F	M	F	
S	1:100		1:100		3	.02	.02	.02	.02	
B	1:25<50, 1:50>50		1:40<80, 1:80>80		47	.97	.97	.54	.54	
E	1:50		1:50		1,321	13.21	13.21	13.21	13.21	
					M/F REQUIRED:	14.20	14.20	13.77	13.77	NO CHANGE
					TOTAL REQUIRED:	15	15	16	16	NO CHANGE
					M/F PROVIDED:	1	2	1	1	NO CHANGE
					UNISEX PROVIDED:	12		12		NO CHANGE
					TOTAL PROVIDED:	15	15	14	14	NO CHANGE

SHEET INDEX



1 SITUATION PLAN
1" = 400'-0"

NORTH

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Stamp

NOT FOR CONSTRUCTION

Project
MEDFORD SCHOOL DISTRICT
NMHS - HUMANITIES RESTROOM
1900 N. Keene Way Dr, Medford, OR

Consultant

Revisions

No.	Description	Date

Date	06/07/2024
Job No.	24-008
Drawn By	Author
Checked By	Checker

100% CD

Date
06/07/2024

Project Number
24-008

Drawing Title
PROJECT INFO & CODE ANALYSIS

Sheet No
G1.01

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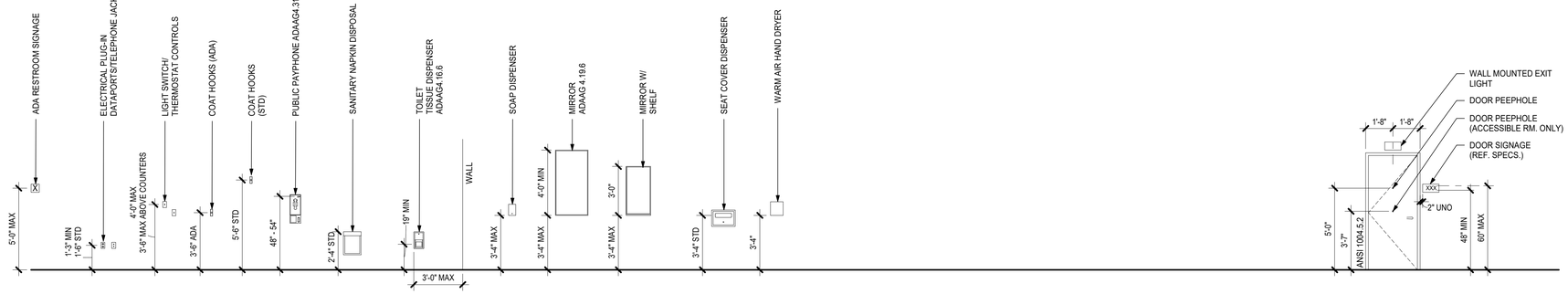
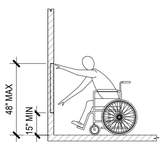
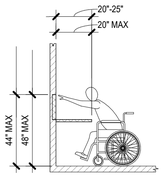


TYP ADA MOUNTING HEIGHTS

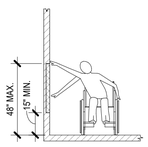
1/4" = 1'-0"



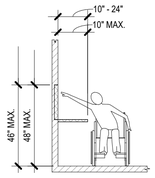
A117.1 FIGURE 308.2.1
UNOBSTRUCTED FORWARD REACH



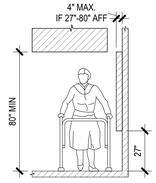
A117.1 FIGURE 308.2.2
OBSTRUCTED HIGH FORWARD REACH (A) AND (B)



A117.1 FIGURE 308.3.1
UNOBSTRUCTED SIDE REACH

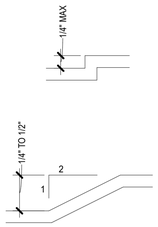


A117.1 FIGURE 308.3.2
OBSTRUCTED HIGH SIDE REACH (A) AND (B)

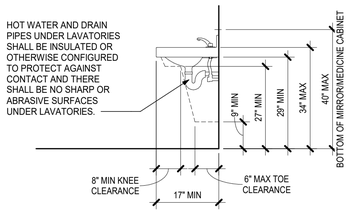


A117.1 FIGURE 307.2
LIMITS OF PROTRUDING OBJECTS

TYP REACH RANGES

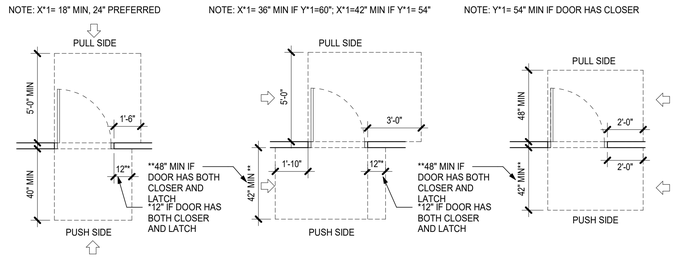


PROTRUDING OBJECTS



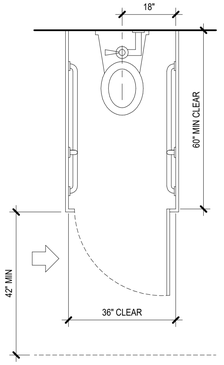
TYP ADA DOOR CLEARANCES

1/4" = 1'-0"



LEVEL CHANGES

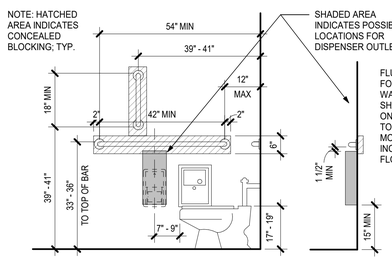
1/4" = 1'-0"



AMBULATORY WC PLAN

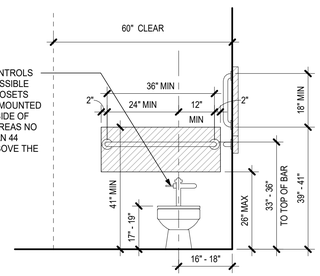
TYP LAVATORY ELEVATION

1/2" = 1'-0"



TYP LAVATORY PLAN

1/2" = 1'-0"



ADA WC ELEVATIONS

1/2" = 1'-0"

SYMBOLS LEGEND

- BUILDING SECTION MARK — 1=SECTION NO. A101= SHEET NO.
- WALL SECTION MARK — 1=SECTION NO. A101= SHEET NO.
- EXTERIOR ELEVATION MARK — 1=SECTION NO. A101= SHEET NO.
- INTERIOR ELEVATION MARK FILLED — 1=SECTION NO. A101= SHEET NO.
- DETAIL SECTION MARK — 1=SECTION NO. A101= SHEET NO.
- ENLARGED VIEW MARK — 1=SECTION NO. A101= SHEET NO.
- PARTITION MARK (REF. PARTITION TYPES) — XXX.R / X / XX
- DOOR TAG — A1001
- INTERIOR WINDOW MARK — AA
- NORTH ARROW
- LEVEL MARK — NAME / ELEVATION
- GRID HEAD — B.5
- KEYNOTE - REFER TO LEGEND ON SHEET — 0000
- REVISION CLOUD AND MARK — 99
- GRAPHIC SCALE — 0, 4', 8', 16'

MATERIALS LEGEND

- BRICK (PLAN/SECTION)
- BRICK (ELEVATION)
- STUCCO
- RIGID INSULATION
- SPRAY INSULATION
- CONCRETE MASONRY
- CONCRETE
- UNDISTURBED EARTH
- DISTURBED EARTH
- STEEL
- GYPSUM BOARD
- DRAINAGE FILL
- PLYWOOD
- BLANKET OR LOOSE FILL INSULATION

arkitek: design & architecure

Project
MEDFORD SCHOOL DISTRICT
NMHS HUMANITIES RESTROOM
1900 N. Keene Way Dr, Medford, OR

Consultant

Revisions

No.	Description	Date

Stamp
REGISTERED ARCHITECT CHRISTOPHER PLUMMER MARTIN OREGON STATE OF OREGON
NOT FOR CONSTRUCTION

Issuance
100% CD

Date
06/07/2024

Project Number
24-008

Drawing Title
SYMBOLS, LEGENDS, AND ACCESSIBILITY

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DATE 10/06/2024 18:27:26
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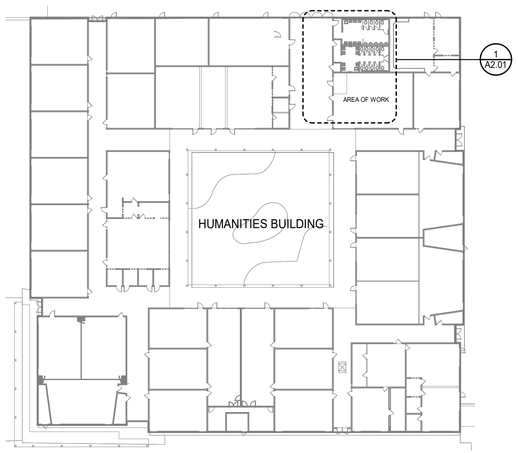
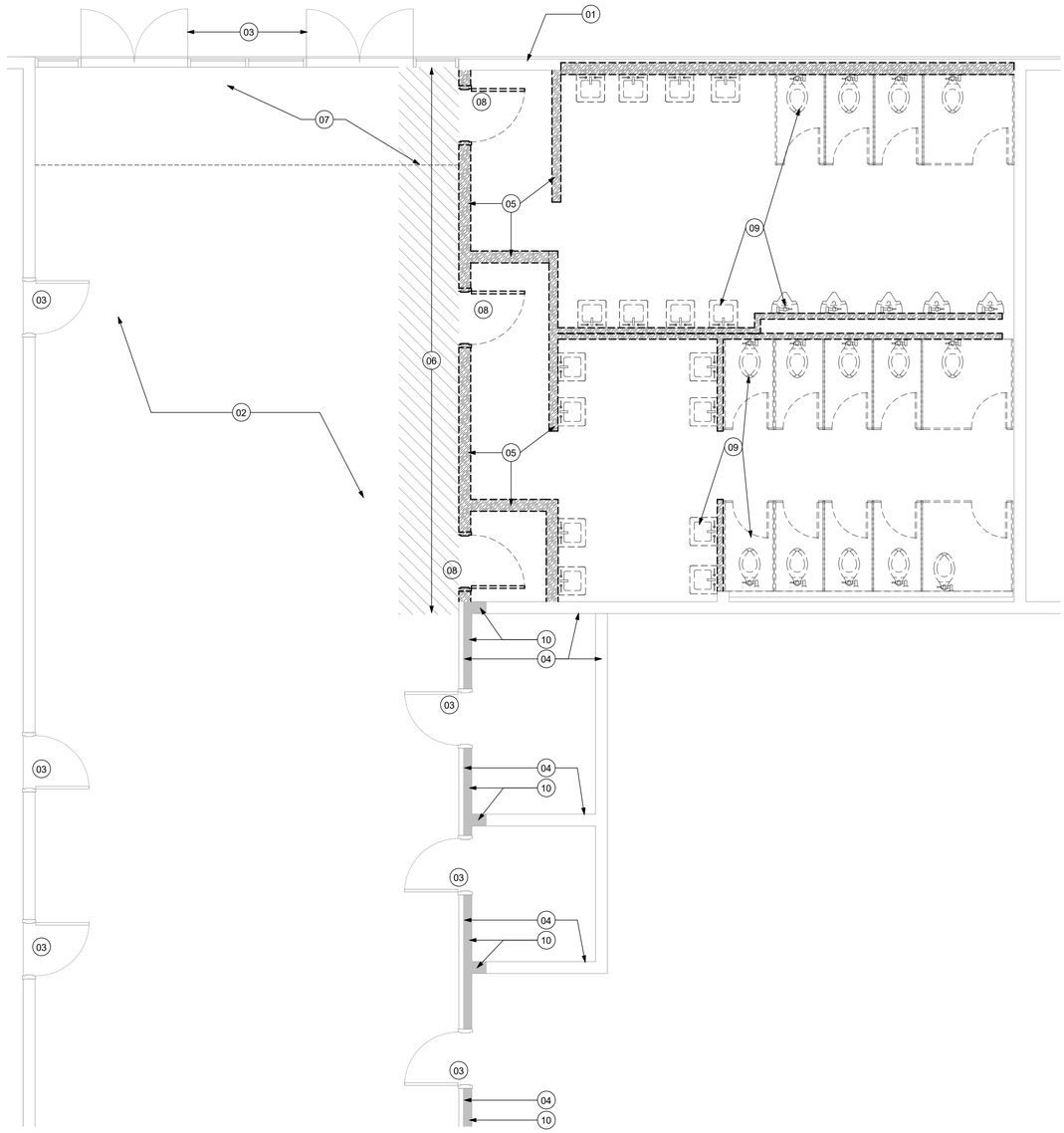


NORTH

1 OVERALL EXISTING BUILDING PLAN

1" = 40'-0"



NORTH

2 DEMOLITION PLAN

1/4" = 1'-0"

SHEET NOTES

1. ARCHITECTURAL SITE PLAN SHOWN FOR REFERENCE ONLY.

KEYNOTES

01 EXISTING WALL TO REMAIN
02 EXISTING FLOOR TO REMAIN
03 EXISTING DOOR TO REMAIN
04 EXISTING PARTITION TO REMAIN
05 DEMO EXISTING WALL, TYP.
06 REMOVE/ALTER EXISTING FLOOR AS REQUIRED FOR PATH OF TRAVEL, SEE ARCH FLOOR PLAN
07 REMOVE PORTION OF EXISTING WALK-OFF MATT REQUIRED TO COMPLETE THE WORK
08 DEMO EXISTING DOOR
09 DEMO ALL EXISTING PLUMBING FITURES, TYP.
10 PREPARE END PORTION OF EXISTING WALLS AND INTERIOR WALL FACES, SEE STRUCTURAL

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Drawing Title
OVERALL BUILDING & DEMOLITION PLAN

Sheet No
A1.01

DATE 10/06/2024 18:44:08
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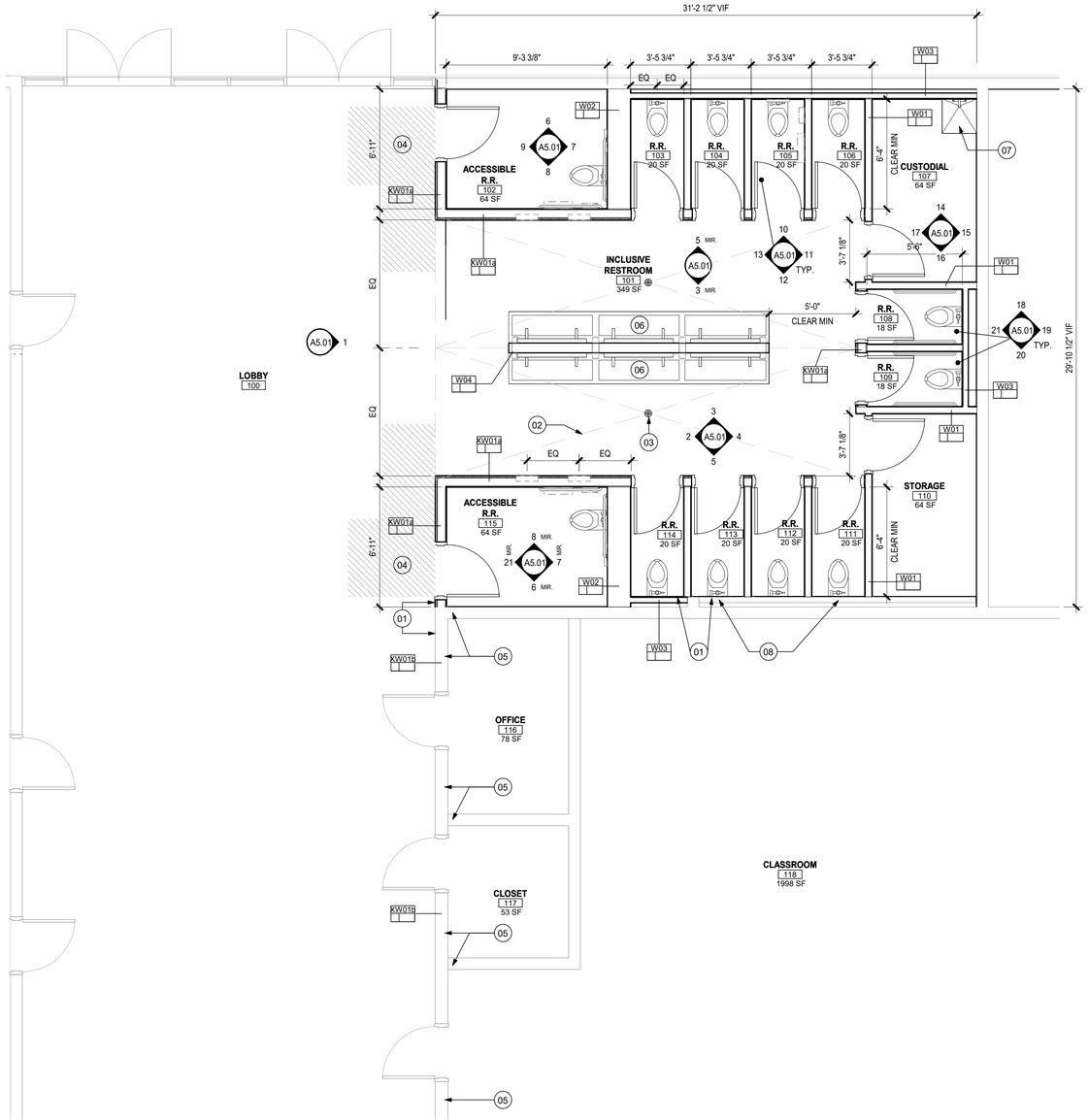

1 OVERALL FLOOR PLAN

1/4" = 1'-0"

NORTH

SHEET NOTES

1. REFERENCE SLAB DIMENSIONAL PLAN AND DETAILS FOR ADDITIONAL DIMENSIONS AND EXTERIOR WALL LOCATES.
2. ANY INTERIOR WALL NOT LABELED WITH A WALL TAG SHALL BE WALL TYPE: B01.
3. REFER TO SHEET A0.11 FOR INTERIOR PARTITION TYPES AND KEY
4. REFER TO DIMENSIONAL STANDARDS ON A0.11.
5. ALL ACOUSTIC WALL SEPARATIONS MUST BE SEALED FOR SOUND TRANSMISSION.
6. REFER TO SHEET I2.10 FOR FFE RESPONSIBILITY MATRIX.

LEGEND FLOOR PLAN

- 1 / A101 SIM — ENLARGED VIEW MARK (1=SECTION NO., A101= SHEET NO.)
- XXX.R / XX X — PARTITION MARK (REF. PARTITION TYPES)
- A 1001 — DOOR TAG
- WALL-MOUNTED SHORT THROW PROJECTOR
- FD — FLOOR DRAIN - SEE PLUMBING DRAWINGS
- FD — FLOOR TRENCH DRAIN - SEE PLUMBING DRAWINGS
- FS — FLOOR SINK - SEE KITCHEN EQUIPMENT DRAWINGS
- AREA OF NO WORK (NOT IN CONTRACT)
- NEW WALL
- EXISTING WALL TO REMAIN

KEYNOTES

01 ALIGN
02 EXPOXY FLOOR TO SLOPE TO FLOOR DRAIN
03 FLOOR DRAIN, SEE PLUMBING
04 ALTER EXISTING FLOOR TO MEET MINIMUM DOOR MANEUVERING CLEARANCE AND 36 INCH MINIMUM WIDE PATH OF TRAVEL TO ROOM 101; 2% MAXIMUM CROSS SLOPE
05 FRAME, PATCH, REPAIR, PAINT END PORTION OF EXISTING WALLS AND INTERIOR WALL FACES TO MATCH EXISTING
06 MULTI-STATION LAVATORY SINKS (2 ROWS OF 6 SINKS TOTAL), SEE PLUMBING
07 SINK, SEE PLUMBING
08 PATCH, REPAIR ROOF TYPICAL AT ALL NEW ROOF PENETRATIONS, SEE PLUMBING FOR VENT LOCATIONS

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06/07/2024

Project Number
24-008

Drawing Title
FLOOR PLAN

Sheet No
A2.01

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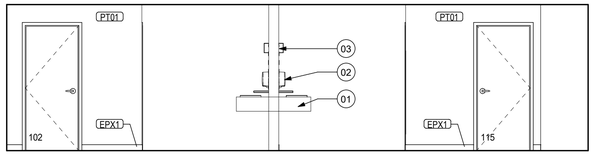
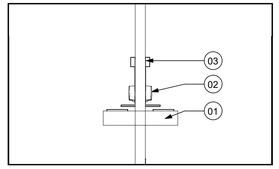


1 100 - LOBBY - E
1/4" = 1'-0"



2 101 - INCLUSIVE R.R. - W
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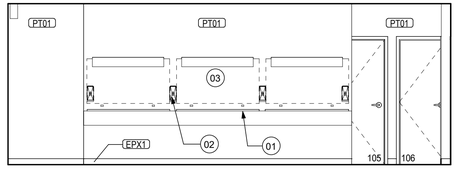

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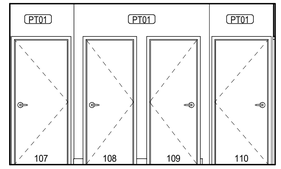

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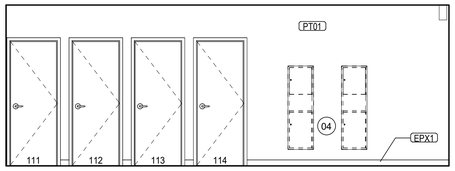

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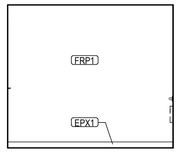
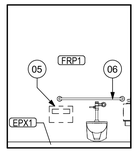


6 102-115 - ACC. R.R. - N
1/4" = 1'-0"



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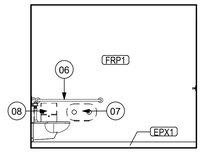
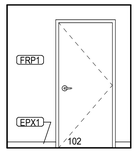
1/4" = 1'-0"



8 102-115 - ACC. R.R. - S
1/4" = 1'-0"



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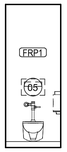
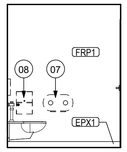


10 103-106 + 111 -114 - R.R. - N
1/4" = 1'-0"



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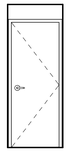
1/4" = 1'-0"



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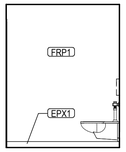
1/4" = 1'-0"



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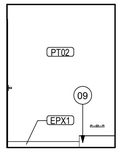
1/4" = 1'-0"



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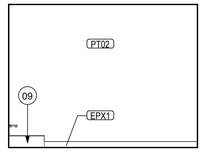
1/4" = 1'-0"



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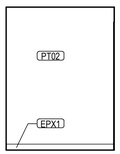
1/4" = 1'-0"



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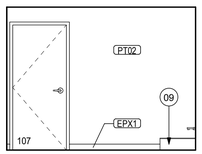
1/4" = 1'-0"



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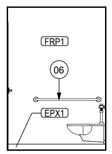
1/4" = 1'-0"



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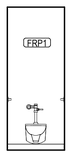
1/4" = 1'-0"



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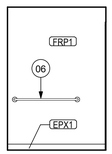
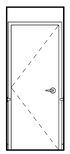
1/4" = 1'-0"



20 108-109 - R.R. - S
1/4" = 1'-0"



21 108-109 - R.R. - W
1/4" = 1'-0"

SHEET NOTES

1. REFER TO TYPICAL MOUNTING HEIGHTS AND ADA DIMENSIONAL STANDARDS ON G2.01.
2. SEE FFE RESPONSIBILITY MATRIX ON A9.01 FOR WHO IS PROVIDING OR INSTALLING CERTAIN ITEMS.
3. PROVIDE IN-WALL BACKING FOR ALL WALL-MOUNTED ITEMS.
4. VERIFY ALL FIRE EXTINGUISHER LOCATIONS WITH FIRE CODE OFFICIAL PRIOR TO INSTALL.
5. SEE HM FRAME TYPES IN A9.01.

KEYNOTES

01 MULTI-STATION LAVATORY SINKS (2 ROWS OF 6 SINKS TOTAL), SEE PLUMBING
02 SOAP DISPENSER
03 MIRROR
04 PAPER TOWEL DISPENSER AND DISPOSAL 12 GALLONS; CENTER UNIT ON NEW PANEL BETWEEN BATTENS TYPICAL
05 SEAT COVER DISPENSER
06 GRAB BARS
07 TOILET PAPER DISPENSER
08 SANITARY NAPKIN DISPOSAL
09 SINK, SEE PLUMBING

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Project
MEDFORD SCHOOL DISTRICT
NMHS - HUMANITIES RESTROOM
1900 N. Keene Way Dr, Medford, OR

Consultant

Revisions

No.	Description	Date

Date	06/07/2024
Job No.	24-008
Drawn By	Author
Checked By	Checker

100% CD

Date
06/07/2024

Project Number
24-008

Drawing Title
INTERIOR ELEVATIONS & SECTIONS

Sheet No
A5.01

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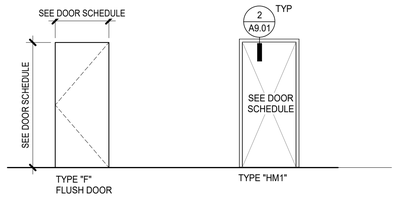
DOOR AND FRAME SCHEDULE

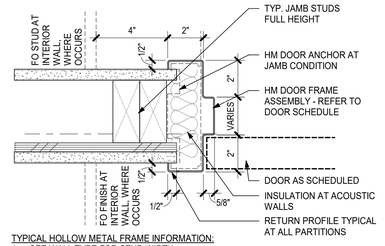
MARK	DOORS					FRAMES					HARDWARE SET	FIRE RATING LABEL (MIN.)	NOTES
	OPENING SIZE								DETAILS				
	WIDTH	HGT.	TYPE	MAT	FIN	TYPE	MAT	FIN	HEAD	JAMB			
102	3'-0"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
103	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
104	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
105	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
106	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
107	3'-0"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H02		
108	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
109	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
110	3'-0"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H02		
111	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
112	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
113	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
114	2'-8"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		
115	3'-0"	7'-0"	F	HM	PT01	HM1	HM	PT01	2/A9.01	2/A9.01	H01		

DOOR TYPES:



FRAME TYPES:

LEGEND - DOOR & FRAMES TYPES



TYPICAL HOLLOW METAL FRAME INFORMATION:

1. SEE WALL TYPE FOR STUD WIDTH
2. FRAME THROAT IS TO BE SIZED TO RECEIVE FULL PARTITION THICKNESS UNLESS DETAILED OTHERWISE.
3. FULLY WELD FRAMES-(FWF):

2 HM JAMB-DOOR-INT

3" = 1'-0"

GENERAL DOOR NOTES

1. ALL DOORS SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF THE OSSC, ADMG, AND ANSI A117.1.
2. PROVIDE LEVER-HANDLE LOCKSETS AND EXIT DEVICE TRIM. KNOB-HANDLES ARE NOT PERMITTED.
3. HARDWARE FINISHES SHALL BE BRUSHED CHROME UNLESS NOTED OTHERWISE.
4. PROVIDE HINGES IN QUANTITY RECOMMENDED BY DOOR MANUFACTURER. PROVIDE NON-REMOVABLE HINGES AT EXTERIOR DOORS AND DOORS WITH PUBLIC EXPOSURE.
5. PROVIDE SILENCERS ON ALL SWINGING DOORS.
6. PROVIDE FLOOR OR WALL STOPS AS REQUIRED TO PREVENT DOORS FROM IMPACTING ADJACENT WALLS.
7. PROVIDE CLOSERS, GASKETS, AND KICK PLATES AT ALL NEW DOORS.
8. CONFIRM KEYWAY WITH CLIENT.
9. REFER TO DOOR HARDWARE SCHEDULES IN SECTION 08 71 00 OF THE THE PROJECT MANUAL.

MATERIAL ABBREVIATIONS:

HM	HOLLOW METAL
FF	FACTORY FINISHED
P	PAINT
WD	WOOD DOOR

SELECT FFE RESPONSIBILITY MATRIX

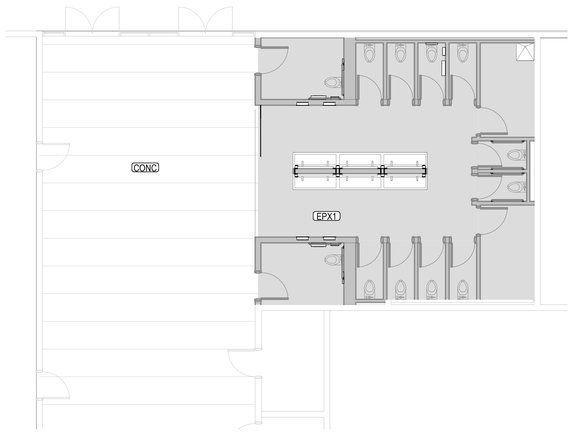
ITEM DESCRIPTION	PROVIDED / INSTALLED / RESPONSIBILITY			Comments
	CF/CI	OF/CI	OF/OI	
MIRROR		X		
PAPER TOWEL DISPENSER AND DISPOSAL 12 Gallon		X		
SANITARY NAPKIN DISPOSAL		X		
SEAT COVER DISPENSER		X		
SOAP DISPENSER		X		
TOILET PAPER DISPENSER		X		

FINISH & MATERIAL SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	COLLECTION	COLOR	SIZE	FINISH	NOTES
EXTERIOR							
CONC	EXISTING CONCRETE FLOOR	-	-	-	-	-	-
FLOORING							
EPX1	EXPOXY FLOORING	DUR-A-FLEX	DUR-A-CRETE	TBD	-	-	WITH 4" INTEGRAL BASE
PAINT							
PT01	INCLUSIVE RESTROOM WALL PAINT		-	MATCH EXISTING LOBBY WALL PAINT	-		-
PT02	GENERAL CEILING PAINT + CLOSET PAINT		-	TBD	-	SATIN	
WALL							
EPX1	EXPOXY FLOORING AND BASE	-	-	TBD	-		-
FRP1	FIBERGLASS REINFORCED PANEL	-	-	WHITE	48x96		-

ROOM FINISH SCHEDULE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING	NOTES
				NORTH	EAST	SOUTH	WEST		
100	LOBBY	(E) CONC/WOM	-	(E)	(E)	(E)	(E)	(E)	PATCH AND REPAIR AS NEEDED; COORDINATE WALK-OFF MAT WITH DISTRICT
101	INCLUSIVE RESTROOM	EXP1	EXP1	WDBT/PT01	WDBT/PT01	WDBT/PT01	/	GYP/PT02	WALL WOOD BATTEN AND CEILING PAINT COLORS TO MATCH EXISTING LOBBY (100) FINISH
115	ACCESSIBLE R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
102	ACCESSIBLE R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
103	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
104	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
105	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
106	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
107	CUSTODIAL	EXP1	EXP1	PT02	PT02	PT02	PT02	GYP/PT02	
108	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
109	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
110	STORAGE	EXP1	EXP1	PT02	PT02	PT02	PT02	GYP/PT02	
111	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
112	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
113	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
114	R.R.	EXP1	EXP1	FRP1	FRP1	FRP1	FRP1	GYP/PT02	
116	OFFICE	(E)	(E)	(E)	(E)	(E)	(E)	(E)	PATCH AND REPAIR AS NEEDED
117	CLOSET	(E)	(E)	(E)	(E)	(E)	(E)	(E)	PATCH AND REPAIR AS NEEDED
118	CLASSROOM	(E)	(E)	(E)	(E)	(E)	(E)	(E)	PATCH AND REPAIR AS NEEDED



1 OVERALL FLOOR FINISH PLAN

1/8" = 1'-0"

SHEET NOTES

1. PROVIDE FLOOR TRANSITIONS BETWEEN DISSIMILAR FLOORING MATERIALS, WHERE NOT INDICATED, TRANSITION IS TO OCCUR CENTERED UNDER DOOR.
2. TILE WALLS TO INTEGRATE ELEC OUTLETS AND SWITCH PLATES, TOILET ACCESSORIES, ETC INTO TILE PATTERN.

FINISH ABBREVIATIONS:

ACT	ACOUSTIC CEILING TILE
AP	ACOUSTIC PANEL
CPT	CARPET TILE
CT	CERAMIC OR PORCELAIN TILE
EPX1	
FRP	FIBERGLASS-REINFORCED PLASTIC
G	GRAPHIC
GWB	GYPSUM WALL BOARD
LVT	LUXURY VINYL TILE
MM	MELAMINE
P	PAINT
PC	POLISHED CONCRETE
PHEN	PHENOLIC PANEL
PLAM	PLASTIC LAMINATE
PRF	POURED RESINOUS FLOORING / FLUID APPLIED FLOORING
RB	RESILIENT BASE
RF	RESILIENT FLOORING
SC	SEALED CONCRETE
SURF	SOLID SURFACE
ST	STAIR TREAD
SV	SHEET VINYL
TB	TACKBOARD
WD	WOOD GRILLE
WGF	WOOD GYM FLOORING
WOM	WALK-OFF MAT

LEGEND

A B — LOCATION OF FLOORING TRANSITION (MATERIAL A TO B)

ORIENTATION OF FLOORING PLANK OR TILE IN ROOM

L — CORNER GUARD

CPT1 — CARPET

LIN1 — LINOLEUM SHEET

PC — POLISHED CONC. SLAB

RF1 — RUBBER FLOORING

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Project

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NMHS - HUMANITIES RESTROOM
1900 N. Keene Way Dr, Medford, OR

Consultant

Revisions

No.	Description	Date

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Checked By	Checker

100% CD

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Drawing Title
DOOR & FINISH SCHEDULE, INTERIOR DETAILS

Sheet No
A9.01

DATE 10/06/2024 18:44:11
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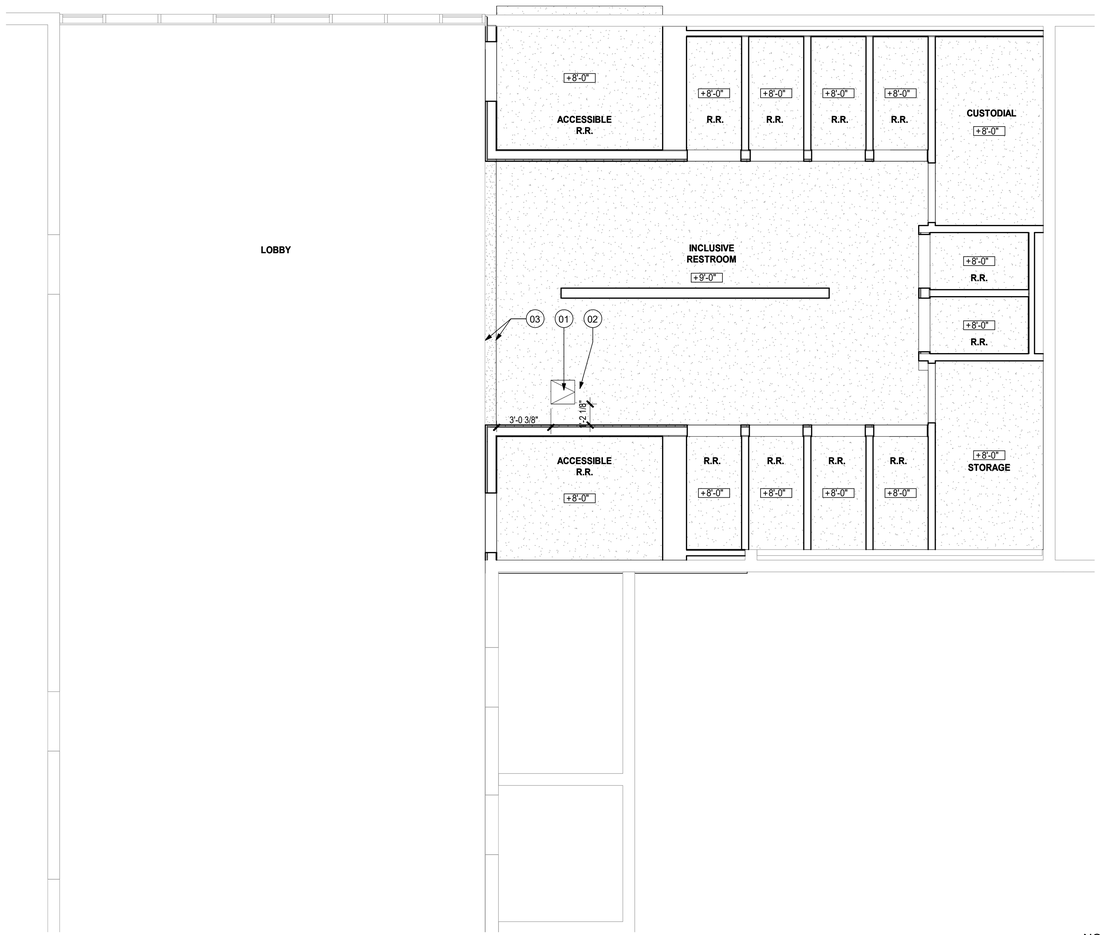

1 OVERALL REFLECTED CEILING PLAN
1/4" = 1'-0"

NORTH

SHEET NOTES

REFLECTED CEILING PLAN:
1. REFER TO ENGINEER'S DRAWINGS FOR LIGHT SWITCHING AND SPECIFICATION, EXIT SIGN LOCATIONS, AND ELECTRICAL AND MECHANICAL SYSTEMS.
2. REPORT TO ARCHITECT ANY CONFLICTS BETWEEN ELECTRICAL, MECHANICAL, OR STRUCTURAL DRAWINGS AND THIS LAYOUT.
3. ALL VISIBLE STRUCTURE, DUCTWORK, PIPES, CONDUITS, AND OTHER ASSOCIATED COMPONENTS NOT FULLY CONCEALED BEHIND A CONTINUOUS CEILING TO BE PAINTED.
4. ALL LIGHTS AND GRIDS ARE TO BE CENTERED IN ROOM, UON.

LEGEND RCP

- X'-XX" — CEILING SPOT HEIGHT
- +X'-X" — FINISH CEILING HEIGHT ABOVE FINISH FLOOR
- X'-X" BI FIXT — LIGHT FIXTURE HEIGHT ABOVE FIN FLOOR TO BOTTOM OF FIXTURE, TYP FOR ROOM UON
- GYP BD CEILING / SOFFIT
- ACOUSTIC CEILING TILE (ACT)
- CEILING ACCESS PANEL
- AIR TERMINAL SHOWN FOR LOCATION ONLY - NOT ALL LOCATIONS MAY BE SHOWN; SEE MECHANICAL DRAWINGS FOR QTY
- LIGHT FIXTURE TYPES - SEE ELECTRICAL

KEYNOTES

01 CEILING ACCESS PANEL, OPENING INTO THE ATTIC SPACE
02 2X6 @ 16" OC FRAMED HARDLID CEILING; PROVIDE 5/8" PLYWOOD SHEATHING OVER FRAMING FOR EQUIPMENT ACCESS; SEE MECH. FOR EXTENTS OF PLYWOOD AREA
03 GYPSUM BOARD WRAPPED BEAM (SEE STRUCTRUAL) AND TRANSITION TO EXISTING LOBBY (100) CEILING

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Drawing Title
REFLECTED CEILING PLAN

Sheet No
A2.02

DATE 10/06/2024 18:44:11
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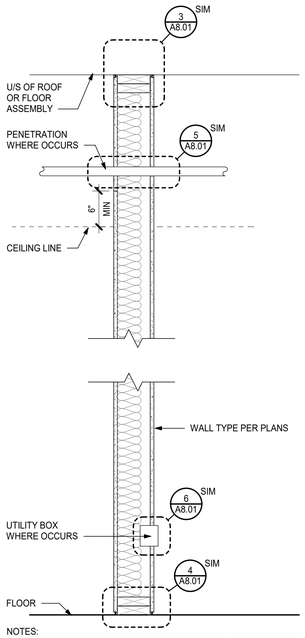
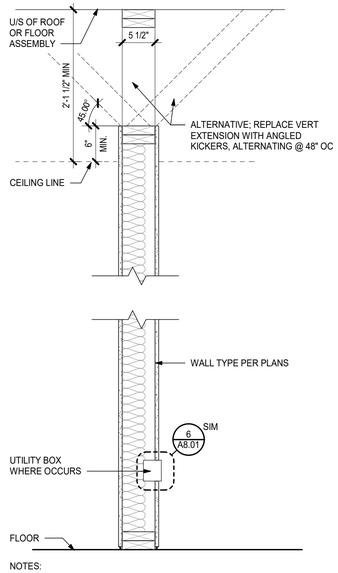


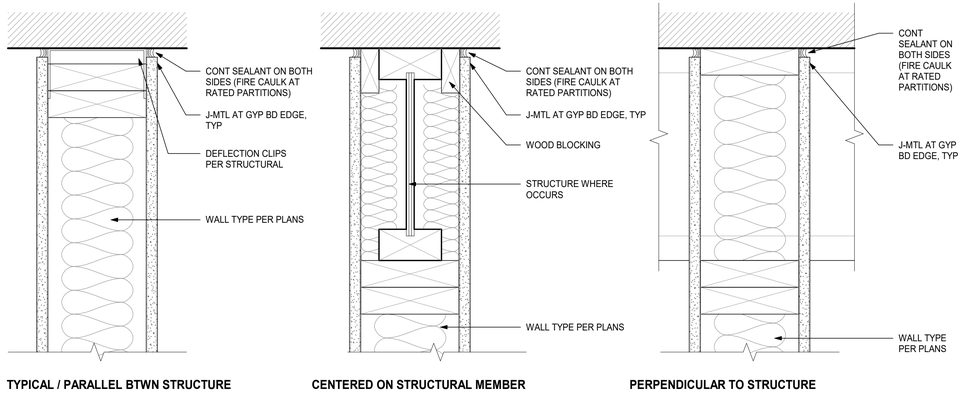
NOTES:
1. ONE OR BOTH SIDES OF GYP BD MAY RUN FULL-HEIGHT IN THIS CONDITION. REFER TO PARTITION TYPE LEGEND.
2. IN ROOMS WHERE NO CEILING IS CALLED FOR, THEN THE STUDS AND GYP BD SHALL RUN TO THE UNDERSIDE OF THE FLOOR / ROOF ASSEMBLY ABOVE.

1 NON-RATED PARTITION
1" = 1'-0"



NOTES:
1. ONE OR BOTH SIDES OF GYP BD MAY RUN FULL-HEIGHT IN THIS CONDITION. REFER TO PARTITION TYPE LEGEND.
2. IN ROOMS WHERE NO CEILING IS CALLED FOR, THEN THE STUDS AND GYP BD SHALL RUN TO THE UNDERSIDE OF THE FLOOR / ROOF ASSEMBLY ABOVE.

2 PARTITION ABOVE CLG
1" = 1'-0"

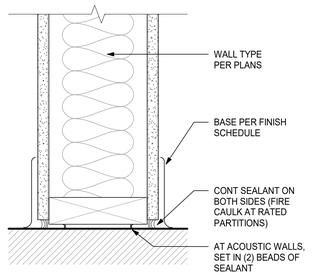


TYPICAL / PARALLEL BTWN STRUCTURE

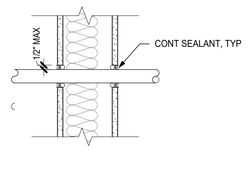
CENTERED ON STRUCTURAL MEMBER

PERPENDICULAR TO STRUCTURE

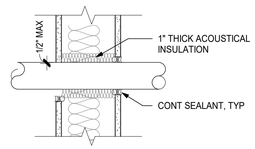
3 PARTITION HEAD - TYP
3" = 1'-0"



4 PARTITION SILL - TYP
3" = 1'-0"

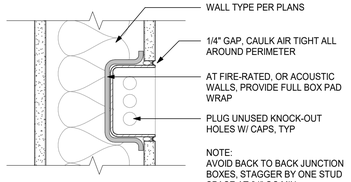


PENETRATION 1" DIA OR LESS

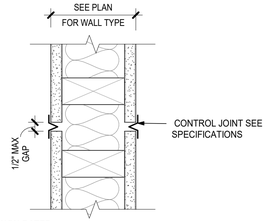


PENETRATION GREATER THAN 1" DIA

5 NON-RATED PENETRATIONS
1 1/2" = 1'-0"

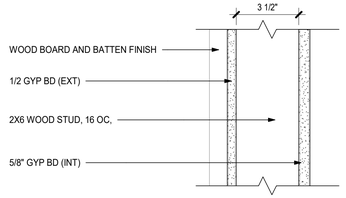


6 UTILITY BOX PENETRATION
3" = 1'-0"



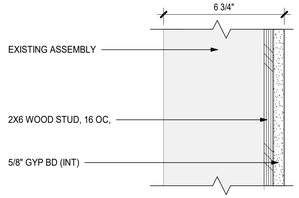
NON RATED

7 GYP CONTROL JOINT -WD
3" = 1'-0"



ASSUMED EXISTING ASSEMBLY
TO BE FIELD VERIFIED
REPORT ANY DISCREPENCIES TO THE ARCHITECT

XW01a PARTITION TYPE
3" = 1'-0"



ASSUMED EXISTING ASSEMBLY
TO BE FIELD VERIFIED
REPORT ANY DISCREPENCIES TO THE ARCHITECT

XW01b PARTITION TYPE
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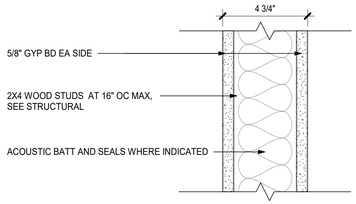

W01 PARTITION TYPE
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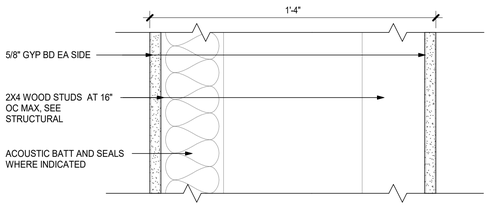
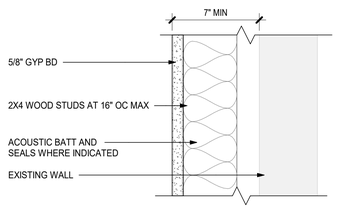
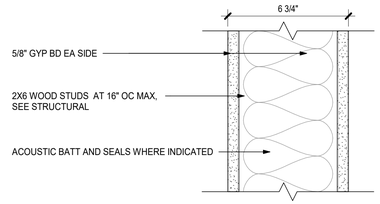


W02 PARTITION TYPE
3" = 1'-0"



W03 PARTITION TYPE 'W03'
3" = 1'-0"

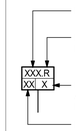


W04 PARTITION TYPE
3" = 1'-0"

SHEET NOTES

1. DIMENSIONS ARE GENERALLY PROVIDED WITH REFERENCE TO NEAREST GRIDLINE WITHIN THAT QUADRANT OR AREA.
2. ALL DIMENSIONS ARE FACE OF FINISH (FOF) UNLESS OTHERWISE NOTED. CONTRACTOR TO ACCOUNT FOR BUILD-UP OF BACKING PLATES, PAN-HEAD SCREWS, ETC. IN LAYOUT OF TRACK TO ACCOMMODATE BUILD-UP AND PRESERVE REQUIRED DIMENSIONS.
3. DIMENSION STRINGS ARE TO BE RECONCILED TO COLUMN GRIDLINES AT EACH INTERSECTION WITH A PERPENDICULAR RUN OF PLAN DIMENSIONS.
4. F.O.F. DIMENSION FROM COLUMN CENTERLINE FOR PRIMARY CORRIDOR WALLS TO BE VERIFIED DURING LAYOUT TO ASSURE REQUIRED AND/OR PRESCRIBED CLEARANCES FOR STEEL FRAMING AND BRB FRAMES, FIRESTOP DETAILS AT TOP OF WALL, DOOR POCKETS AND WALL RECESSES ARE ACCOMMODATED FOLLOWING LAYOUT OF BOTTOM TRACK AND PRIOR TO INSTALLATION OF TOP TRACK. ASSUMPTIONS ARE: FLOOR TRACK IS FIRST LAYOUT COMPONENT, FOLLOWED BY TOP TRACK AND THEN VERTICAL STUD FRAMING INCLUDING KING STUDS, ETC. THEREFORE, ACCOMMODATION OF REQUIRED CLEARANCES IS TO BE CONFIRMED FOLLOWING LAYOUT OF BOTTOM TRACK.
5. E.O.S. DIMENSIONS AT OPENINGS IN SLAB-ON-GRADE (S.O.G.) OR SLAB-ON-METAL-DECK (S.O.M.D.) AND F.O.F. DIMENSIONS WHERE INTENT IS TO ALIGN EITHER F.O.F. OR FACE OF STUD (F.O.S.) WITH E.O.S. DIMENSIONS (E.G. ELEVATOR SHAFTS, STAIR OPENINGS AND MECHANICAL SHAFTS, ETC.). CONTRACTOR SHALL COORDINATE LAYOUT WITH RESPECT TO REQUIREMENTS OF SUCH OPENINGS AS INDICATED ON PARTITION TYPES AND ARCHITECTURAL DETAILS SUCH AS, BUT NOT LIMITED TO, FLOOR/CEILING PENETRATION DETAILS.
6. ALL 'MINIMUM' OR "CLEAR" DIMENSIONS SHALL BE MAINTAINED. ALL OTHER "MINIMUM" AND "CLEAR" DIMENSIONS NOTED ON PLAN ARE TO BE MAINTAINED. ADA AND OTHER CODE REQUIRED MINIMUM DIMENSIONS ARE TO BE MAINTAINED AND FINAL CONFORMING LAYOUT VERIFICATIONS ARE THE CONTRACTORS RESPONSIBILITY.
7. FIXED DIMENSIONS NOTED OUTSIDE THESE AREAS AND NOT NOTED AS "MINIMUM" OR "CLEAR" DIMENSIONS MAY BE ASSUMED TO HAVE A TOLERANCE OF +/- 1/4".
8. DIMENSION STRINGS ATTEMPT TO PROVIDE A BREAK IN ITS LENGTH WITHIN EACH COLUMN BAY. WHERE THIS DOES NOT OCCUR, CONTRACTOR MAY SEEK A WRITTEN INTERPRETATION TO ACCOMMODATE A +/- TOLERANCE AT LOCATIONS NOT OTHERWISE NOTED AS "MINIMUM" OR " CLEAR" VIA RFI PROCESS.
9. WALL LOCATIONS NOT SPECIFICALLY DIMENSIONED BUT IN CLOSE RELATIVE LOCATION TO DIMENSIONED WALLS ARE TO BE ALIGNED FLUSH. ARCHITECT TO PROVIDE CLARIFICATION AT AREAS OF CONCERN.
10. FRAMING:
    A. NON-BEARING INTERIOR PARTITIONS SHALL BE CAPABLE OF SUPPORTING EQUIPMENT AND FURNISHINGS SPECIFIED FOR THE CLINIC. FOR INTERIOR PARTITION FRAMING USE MINIMUM 3-5/8 INCH, 20-GAUGE, GALVANIZED METAL STUDS ASTM C645 WITH FASTENERS AND ACCESSORIES COMPLYING WITH ASTM C 754. STUD SPACING SHALL BE 16-INCHES ON CENTER MAXIMUM. FOR SPECIAL REQUIREMENTS, USE OTHER SIZES OR SYSTEMS AS APPROPRIATE. WHERE PIPE SPACES ARE REQUIRED, SIZE PARTITION FRAMING THICKNESS TO CONCEAL PIPING. INSTALLATION OF METAL STUDS SHALL COMPLY WITH ASTM C754. PROVIDE SUPPORT REQUIRED FOR EQUIPMENT, FURNISHINGS, AND WORK OF OTHER TRADES.
11. SHEATHING:
    A. USE 5/8-INCH THICK TYPE X GYPSUM, WATER RESISTANT CORE WALLBOARD ASTM C1396, EXCEPT FOR SPECIAL CONDITIONS. USE FIRE RESISTANT TYPE X WALLBOARD ASTM C1396 IN FIRE RESISTANT RATED ASSEMBLIES. USE MOISTURE RESISTANT GLASS FIBER REINFORCED CONCRETE BACKING WALLBOARD ASTM C1325 AT WET LOCATIONS SUCH AS SHOWERS REQUIRING THE APPLICATION OF TILE. USE MOISTURE RESISTANT GLASS MAT PANELS ASTM C1658 BEHIND TILE AT NON-WET AREAS AND PAINTED AREAS SUBJECT TO MOISTURE.
12. FINISH:
    A. PROVIDE ACCESSORIES, FASTENERS, AND FINISHING MATERIALS IN ACCORDANCE WITH ASTM C1047, C1002, AND C840. INSTALL AND FINISH GYPSUM WALLBOARD IN ACCORDANCE WITH ASTM C840. USE LEVEL 5 FINISH FOR ALL OCCUPIED AREAS WITH PAINT FINISH. PROVIDE LEVEL 4 FINISH FOR SURFACES TO RECEIVE TYPE I VINYL WALL COVERINGS OR CERAMIC TILE. PROVIDE LEVEL 3 FINISH FOR SURFACES TO RECEIVE TYPE II VINYL WALL COVERINGS. PROVIDE LEVEL 2 FINISH IN ROOMS OR SPACES FOR WHICH NO DECORATIVE FINISH IS SPECIFIED.
13. RATED:
    A. PROVIDE FIRE AND/OR SMOKE RATED PARTITIONS THAT COMPLY WITH PUBLISHED UL, FM GLOBAL, OR IBC DESIGNS.

LEGEND



PARTITION FIRE RATING:

BLANK	NON RATED
.S	SMOKE 1 HOUR RATED.
.1	1 HOUR RATED.
.2	2 HOUR RATED.

PARTITION HEIGHT:

BLANK	GYP BD TERMINATE 6" ABOVE FINISHED CEILING.
A	BOTH SIDES OF GYP BD TO U/S OF DECK
B	ONE SIDE OF GYP BD EXTEND TO U/S OF DECK
XX	PARTIAL WALL HEIGHT (IN INCHES)

PARTITION ACOUSTIC RATING:

BLANK	ACOUSTIC WALL; SOUND BATT FULL CAVITY WIDTH AND HEIGHT
XX	ACOUSTIC WALL (SPECIFIC STC RATING); SOUND BATT FULL CAVITY WIDTH AND HEIGHT
N	NO ACOUSTIC REQUIREMENT

arkitek:
design and
architecture, llc
426 a street
ashland, or 97520
tel: 541.591.9988

Stamp

NOT FOR CONSTRUCTION

Project
MEDFORD SCHOOL DISTRICT
NMHS - HUMANITIES RESTROOM
1900 N. Keene Way Dr, Medford, OR

Consultant

Revisions

No.	Description	Date

Date	06/07/2024
Job No.	24-008
Drawn By	Author
Checked By	Checker

100% CD

Date
06/07/2024

Project Number
24-008

Drawing Title
EXTERIOR AND INTERIOR ASSEMBLIES

Sheet No
A8.01

DATE 10/06/2024 18:44:11
FILE PATH:C:\Users\Caps\Downloads\24_08 NMHS Humanities Restroom.rvt

GENERAL NOTES

GENERAL REQUIREMENTS:

1. Codes and Standards: all materials and work shall conform to the 2019 OSSC and 2018 International Building Code (IBC) and the ASCE7-16 Minimum Design Loads for Buildings and Other Structures.
2. Conflicts: notes and details on the drawings take precedence over the general notes and typical details in case of conflict.
3. Verification: verify all dimensions, elevations and site conditions before starting work. Notify the engineer of record of any discrepancies.
4. Substitutions: provide manufacturer's approved product evaluation reports, ICBO reports and a list of all proposed substitutions to the engineer for review and written approval before fabrication or use.
5. Similar Work: where construction details are not shown or noted for any part of the work, such details shall be the same as for similar work shown on the drawings.
6. Pipes, ducts, sleeves, chases, etc.: shall not be placed in slabs, beams, or walls unless specifically shown or noted nor shall any structural member be cut for pipes, ducts, etc., unless specifically shown. Obtain prior written approval for installation of any additional pipes, ducts, etc.
7. Excavations: locate and protect underground or concealed conduit, plumbing or other utilities where new work is being performed.
8. Construction loads: materials shall be evenly distributed if placed on framed floors or roofs. Loads shall not exceed the allowable loading for the supporting members and their connections.
9. Construction methods and project safety: the contract drawings and specifications represent the finished structure and do not indicate methods, procedures or sequence of construction. Take necessary precautions to maintain and insure the integrity of the structure during construction. Neither the owner nor architect/engineer will enforce safety measures or regulations. Contractor shall design, construct and maintain all safety devices, including shoring and bracing, and shall be solely responsible for conforming to all local, state and federal safety and health standards, laws and regulations.
10. Changes to the drawings: obtain prior written approval from the engineer of record.

DESIGN CRITERIA

1. Gravity Loads:
   a. Dead Loads:
      Roof = 20 psf
      Floors = slab on grade
   b. Live Loads:
      Roof = 25 psf x 1.10 = 27.5 psf (design roof snow load).
      Floors = 50 psf (office)
2. Seismic Design Criteria:
   b. Risk Category III
   c. Importance factor = 1.25
   d. Site Class D
   e. Mapped spectral response coefficients: Sds=0.543g
   f. Seismic design category/Site Class = D
   g. Basic seismic force resisting system = wood shear walls.
   h. Response Modification factor (R) = 6.5

DRILLED ANCHORS

1. Install in strict accordance with ICBO report and manufacturer's instructions, including hole clean out procedures, drill bit diameters, embedment, minimum spacing and edge distance to obtain maximum capacity.
2. Contact engineer to relocate if existing cracks or reinforcing is encountered where anchor is to be placed.
3. Epoxy adhesive anchors: Rawl or Simpson or equal.

WOOD STRUCTURAL PANEL(S) - APA RATED

1. References: PS1, PS2, APA standard PRP-108, national evaluation service report NER-108 and ICBO report 1952.
2. Wall panels: [OSB] C-D ext glue, 7/16" identification 24/16.
3. Roof panels: Plywood C-D ext glue, 5/8" identification 40/20.
4. Floor panels: Plywood C-D ext glue, 3/4" T&G identification 48/24.
5. Blocking:

A. Walls: all unsupported panel joints shall be blocked solid with 2x blocking.

B. Floors & Roofs: where noted on the drawings, all unsupported panel joints shall be blocked solid with 2x4 flat blocking.

6. Nailing: common wire nails. Panel nails shall be driven so that the heads are flush with the surface of the panel. Field nailing (FN) shall be 12" on center and the minimum panel edge distances shall be maintained.
7. Machine nailing: subject to a satisfactory job site demonstration for this project and review by the engineer. The use of machine nailing is subject to continued satisfactory performance. Panel nails shall be driven so that the heads are flush with the surface of the panel and the minimum panel edge distance are maintained.
8. Glued floors: field glue to all supports and T & G edges per APA, AFG-01. Framing shall be free of surface moisture & debris prior to gluing.

WOOD

1. Grade stamped Douglas Fir-Larch No.2 unless otherwise noted on the plans (see lumber grades in schedules).
2. Laminated Veneer Lumber: Beams to be built in accordance with "Standard Specifications" for members of the American Institute of "Timber Construction".
3. Nails: common wire unless otherwise noted. Edge or end distances in the direction of stress shall not be less than one half of the required penetration. The center to center spacing of nails in the direction of stress shall not be less than the required penetration. Holes for nails, where necessary to prevent splitting, shall be bored to a diameter smaller than that of the nail.
4. Anchor bolts (foundation anchor bolts): provide 5/8" diameter anchor or machine bolts with a minimum of 7 inch embedment into the concrete within 12 inches of each end of each plate. Space anchors at 48 inches on center u.o.n. Anchors shall be located a maximum of 2 inches from the face of stud receiving wood structural panels. Anchor bolt holes shall be 1/32" to 1/16" inch larger than the anchor bolt diameter. Holes more than 1/16" larger than the anchor bolt shall be epoxy filled under the continuous supervision of a licensed special inspector per specifications.
5. Bolts: not less than 7 bolt diameters from the end and 4 diameters from the edge of the member. Bolt holes shall be 1/32" to 1/16" larger than the bolt diameter. All nuts shall be tightened when installed and re-tightened at the completion of work or before closing in. Thread projection shall be ¼" minimum beyond the nut. Bolts in specified slotted holes shall be centered in the slot, u.n.o.
6. Lag screw clearance and lead holes shall be bored as follows: the clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank. The lead hole for the threaded portion shall have a diameter equal to 50-75% of the shank diameter and a length equal to at least the length of the threaded portion.
7. Steel plate washers (pw): anchor bolts, bolts, lags and nuts, shall have steel plate washers.
8. Framing connectors: per manufacturer's approved product evaluation reports, ICBO approved and installed accordingly. Size and number of nails to be maximum specified by the manufacturer, u.n.o.
9. Nailed/Screwed hold down anchors: install per manufacturer's approved ICBO product evaluation report. Install hold downs 1/2" minimum above the plate to allow for tightening of anchor bolt. The hold down shall be installed tight to the hold down post without fillers or dapping. Do not bend hold down anchors.
10. Bolted hold down anchors: install per manufacturer's approved ICBO product evaluation reports. Install hold downs 1/2" minimum above the plate to allow for tightening anchor bolt. Tighten hold down anchor before tightening post bolts. Use extra care in boring the post bolt holes (1/32 to 1/16 inch larger than the bolt diameter). The hold down shall be installed tight to the hold down post without fillers or dapping. The post bolts shall not be countersunk into the hold down post u.n.o. Do not bend hold down anchors.
11. Preservative treated wood: wood exposed to the weather; foundation plates on concrete slabs and foundations which are in direct contact with earth shall be treated.
12. Top plates: two pieces, same size as studs, stagger splices 4'-0" minimum. Center splices over studs. Splice with 16d minimum u.n.o.
13. Full depth solid blocking or cross bracing: installed at intervals not exceeding 8 feet for all joists and rafters 2x12 and deeper.
14. Solid blocking: two inch full width blocking (fire stops) in concealed spaces of stud walls and partitions.
15. Cutting and notching: do not cut, bore, countersink or notch wood members except where shown in the details. Holes through plates, studs and double plates in walls shall not exceed 40% of the member width and located in the center of the member.
16. Partitions: double joists under partitions parallel to joists and provide solid blocking under partitions perpendicular to joists.
17. End support: roof and floor joists over 4 inches deep shall have their ends held in position with either:
    a. full depth solid blocking
    b. nailed bridging
    c. nailing or bolting to other framing members; or
    d. approved joist hangers
18. Galvanizing: all exposed steel timber hardware, fasteners and connectors.

SPECIAL INSPECTION AND TESTING SCHEDULE

1. Anchors installed in hardened concrete –
   Periodic Inspection by testing agency

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 15, 1981
BARBARA L CIOTA
EXPIRES: 12/31/25

CIOTA ENGINEERING
156 CLEAR CREEK DR SUITE 101
ASHLAND, OR 97520
PHONE: (541) 552-0290

NMHS Humanities
Restroom Remodel
1900 N. Keene Way Medford, OR 97504

STRUCTURAL
GENERAL NOTES

SCALE: NTS
6/6/24

24-033/S-GEN

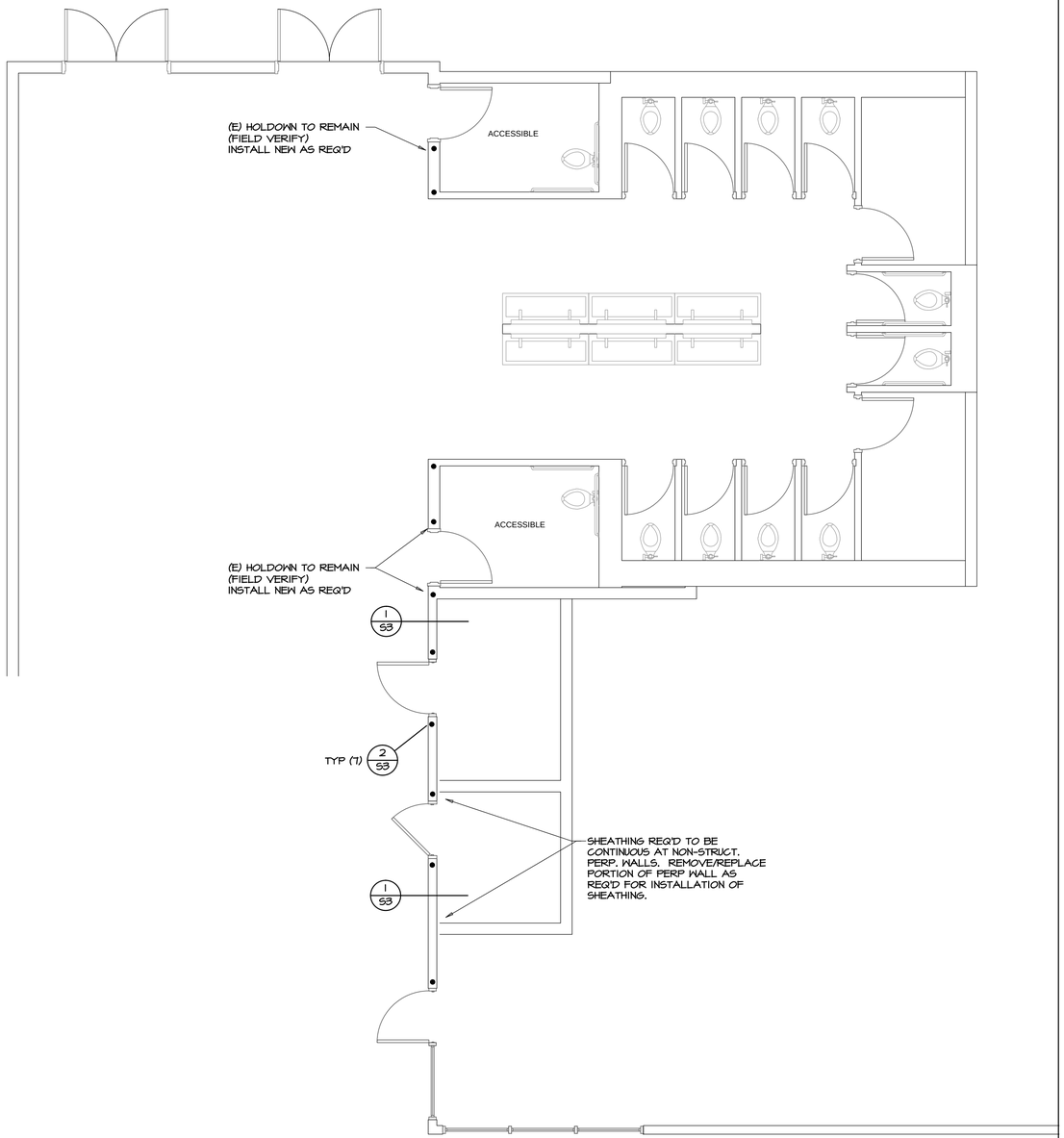
S1

SHT. 1 OF 3

● INDICATES SIMPSON HDU8-SDS HOLDOWNS W/ 7/8" ALL-THREAD ANCHOR. DRILL/EPOXY W/ SET-3G W/ 12" EMBED. INSTALL PER MNFR SPEC. LOCATE AS SHOWN AND AS REQUIRED FOR ADEQUATE FASTENING TO DOUBLE 2x6 EDGE STUD. SEE DETAIL 2/S3

PLAN NOTES:

1. VERIFY ALL DIM'S W/ ARCHITECT.
2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO WORK.
3. ANY REQUIRED SHORING IS BY CONTRACTOR.
4. SPECIAL INSPECTION REQUIRED FOR DRILL & EPOXY.
5. SEE ARCHITECT FOR DEMO PLAN.



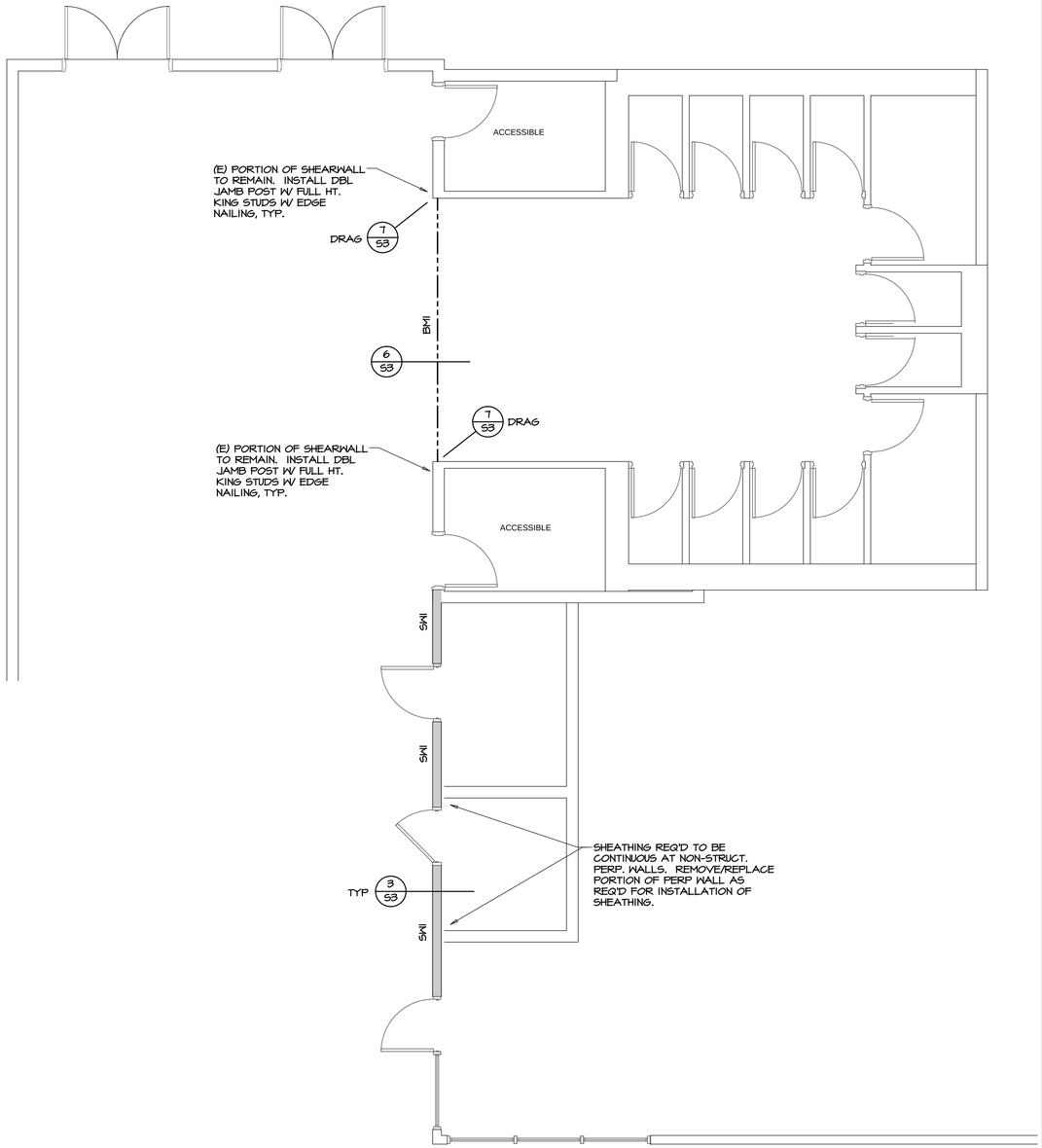
GROUND LEVEL PLAN

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

BEAM SCHEDULE

MK	SIZE	REMARKS
BM1	5 1/2 x 12" GLULAM	24F-V4 DF

SW1 - INDICATES NEW SHEAR WALL. SEE 4/S3, 5/S3 FOR REQT'S



ROOF LEVEL PLAN

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

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
19182PE
OREGON
JULY 15, 1997
BARBARA L. CIOTA
EXPIRES: 12/31/25

CIOTA ENGINEERING
156 CLEAR CREEK DR SUITE 101
ASHLAND, OR 97520
PHONE: (541) 552-0290

NMHS Humanities
Restroom Remodel
1900 N. Keene Way Medford, OR 97504

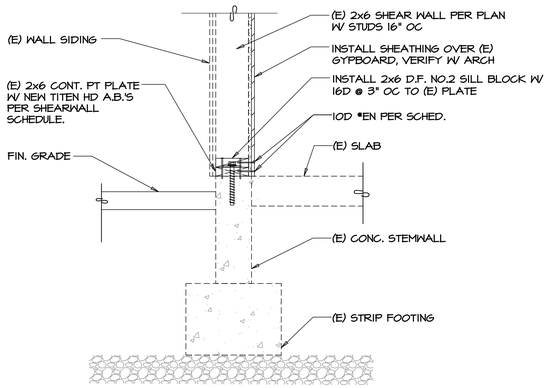
Foundation Plan
Roof Framing Plan

SCALE: 1/4"=1'-0"
6/6/24

24-033/S-PLANS

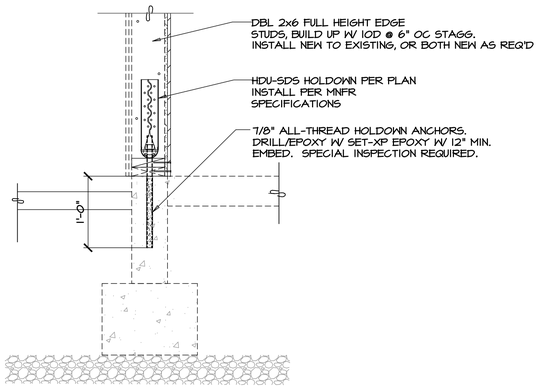
S2

SHT. 2 OF 3



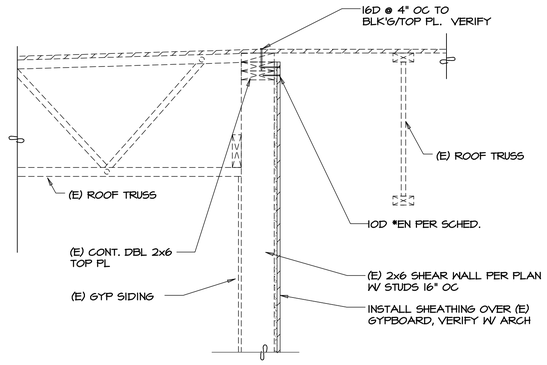
1 SHEAR TRANSFER DETAILS

Scale: 1"=1'-0"



2 HOLDOWN DETAIL

Scale: 1"=1'-0"



3 SHEAR TRANSFER DETAILS

Scale: 1"=1'-0"

SHEAR WALL NAILING SCHEDULE

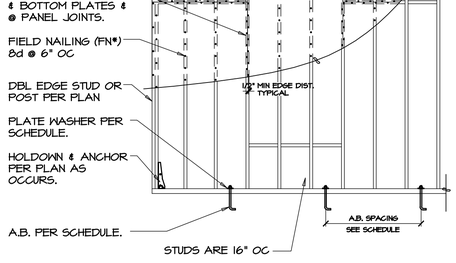
MK ON PLAN	MATERIAL (f.note 1)	SHEATHING EDGE NAILING (EN*) (f.note 2,9)	SHEAR TRANSFER NAILING (SN*) (f.note 4)	ANCHOR BOLTS (f.note 6,7)
SW1	7/16" OSB (one side)	10d @ 3" OC	N/A	5/8"x8" TITEN HD @ 18" OC
(2) 2x6 OR 3x AT ADJOINING PANEL EDGES AND EDGE STUDS W/ EN* W/ DIRECT PATH TO HOLDOWN				

FOOTNOTES & CODE REQUIREMENTS: STUDS ARE EXISTING OR NEW 2x6 @ 16" OC

1. Sheathing shall be 'APA' rated [OSB] Struct 1, C-D, ext. glue, 24/16 span rating.
2. Edge nailing (EN*) as called for on plans and in details, refers to edges of all sheets into vertical dbl edge studs, bottom & top plates and horizontal 2x panel edge blocking. See Shear Wall nailing detail.
3. Field nailing (FN*) at intermediate supports shall be 10d @ 6" oc.
4. Shear nailing (SN*) occurs at bottom plate into diaphragm sheathing.
5. Where shear wall is more than one panel in height, block edges and stagger joints.
6. Anchor sill plate with Titen HD per sched. w/ 0.229x3" sqaure washers (or approved equal) per ASCE7-22 (Seismic Cat. D). See Shear Wall nailing detail.
7. Sill plates shall be Dbl 2x or 3x P.T. Doug Fir with additional anchor bolts at 6" from each end of each plate & openings.
8. All shear wall segment ends with holdowns require double studs attached with 16d @ 8" oc staggered, or post as shown on plans.
9. Nails shall be 8d common (3"x0.148"). Galvanized nails shall be hot dipped.

4 SHEARWALL SCHEDULE

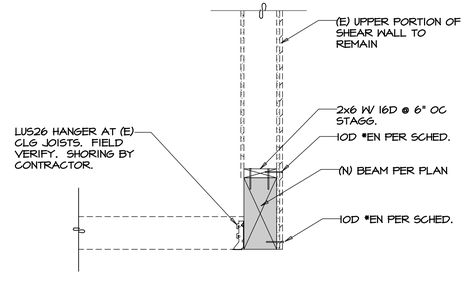
Scale: NTS



ELEVATION VIEW

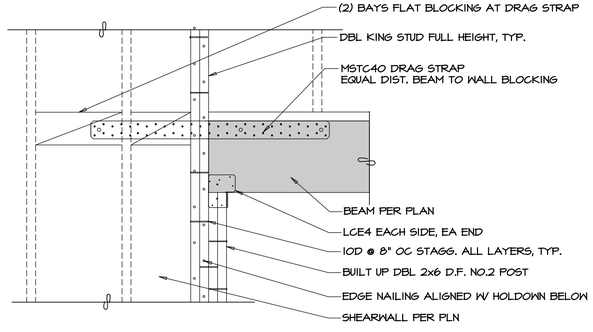
5 SHEARWALL NAILING, TYP.

Scale: NTS



6 SHEAR TRANSFER DETAILS

Scale: 1"=1'-0"



7 SHEAR TRANSFER DETAILS

Scale: 1"=1'-0"

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 13152PE OREGON JULY 15, 1997 BARBARA L. CIOTA EXPIRES: 12/31/25

CIOTA ENGINEERING
156 CLEAR CREEK DR SUITE 101
ASHLAND, OR 97520
PHONE: (541) 552-0290

NMHS Humanities
Restroom Remodel
1900 N. Keene Way Medford, OR 97504

STRUCTURAL DETAILS

50% CD

SCALE: 1"=1'-0"
6/7/24

24-033/S-DTLS

S3

SHT. 4 OF 3

GENERAL NOTES

1. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL MECHANICAL SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
2. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED ENERGY CODE, MECHANICAL CODE, BUILDING CODE AND ALL OTHER APPLICABLE CITY, COUNTY, AND STATE CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID. CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS THAT THE PROJECT OWNER HAS.
3. OBTAIN ALL INSPECTION APPROVALS ON HVAC WORK FROM REGULATING AGENCIES WHERE REQUIRED.
4. PRIOR TO FABRICATION AND INSTALLATION THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL DUCTWORK AND MECHANICAL PIPING WITH PLUMBING PIPING, EQUIPMENT, AND ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO THE PLUMBING CONTRACTOR, ELECTRICAL CONTRACTOR, FIRE PROTECTION CONTRACTOR, GENERAL CONTRACTOR, AND ANY CONTRACTOR HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
5. THE DRAWINGS SHOW THE EXISTING SYSTEMS AS UNDERSTOOD BY THE ENGINEER BASED ON PARTIAL RECORD DOCUMENTS AND SITE VISITS. IT SHALL BE THE WORK OF THE CONTRACTOR TO MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE CONSULTING ENGINEER.
6. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
7. SEE ARCHITECTURAL DRAWINGS FOR COORDINATING LOCATIONS OF ALL MECHANICAL EQUIPMENT.
8. THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR HVAC EQUIPMENT, PIPING, AND DUCTWORK SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, PLUMBING, STRUCTURAL AND ELECTRICAL DRAWINGS.
9. DETAILS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND USE WHERE APPROPRIATE ALL OF THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS IS THE RESPONSIBILITY OF THE CONTRACTOR.
10. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
11. THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
12. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
13. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
14. EXISTING INTERIOR DUCTWORK, PIPING, AND EQUIPMENT HAS BEEN LOCATED IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS, POINTS OF CONNECTION, DUCT AND PIPE SIZES AND ROUTING THROUGH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
15. THE CONTRACTOR IS RESPONSIBLE FOR EQUIPMENT CHECK-IN, SAFEKEEPING, AND DAMAGE.
16. ALL OPENINGS FOR PIPING THROUGH FIRE-RATED ENCLOSURES SHALL BE CAULKED AS REQUIRED BY CODE TO MAINTAIN FIRE RATING.
17. ANY SHUT DOWNS REQUIRED TO CONNECT TO ALL ACTIVE DUCTWORK AND PIPING ARE TO BE COORDINATED WITH OWNER AND GC.
18. ALL VALVES CONCEALED IN CEILING OR WALLS SHALL BE PROVIDED WITH ACCESS PANELS. LOCATE ON "AS BUILT" DRAWINGS.
19. CONTRACTOR SHALL PROVIDE NEW INSULATION ON ALL NEW AND SALVAGED/REINSTALLED DUCTWORK AND PIPING.
20. ALL EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
21. EQUIPMENT AND INSTALLATION SHALL MEET NATIONAL SANITATION FOUNDATION (NSF) STANDARDS, OR EQUIVALENT.
22. PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ALL PIPING.
23. ALL PIPING SHALL BE SECURED BY DOUBLE NUTTING AT THE HANGER ROD ATTACHMENT TO THE STRUCTURE AND AT THE PIPE HANGER.
24. CONTRACTOR SHALL SEAL OFF WORK AREA AND OR COORDINATE WITH THE GENERAL CONTRACTOR TO CONTAIN DUST AND DEBRIS IN WORK AREA. CONTRACTOR SHALL PERFORM HOUSEKEEPING DAILY TO PREVENT CONTAMINATION TO OTHER WORK AREAS, NON-WORK AREAS, AND OTHER PARTS OF THE BUILDING.
25. UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THIS CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.
26. THE CONTRACTOR SHALL OPERATE THE SYSTEM AND DEMONSTRATE ALL ASPECTS TO THE ENGINEER AND/OR OWNER, TO PROVE ITS OPERATION.
27. THE CONTRACTOR SHALL GUARANTEE THE HVAC MODIFICATIONS FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
28. THE CONTRACTOR SHALL, DURING CONSTRUCTION, MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES SHALL BE RECORDED. AS-BUILT REDLINE DRAWINGS SHALL CAPTURE BOTH CHANGES TO THE SYSTEMS INCLUDED IN THE SCOPE OF WORK AS WELL AS EXISTING CONDITIONS THAT DIFFER FROM WHAT IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR CONVERTING THE CONSTRUCTION REDLINE DRAWINGS INTO "AS BUILT" DRAWINGS USING AUTOCAD BACKGROUNDS PROVIDED BY INSIGHT CONSULTING ENGINEERS. IF THE CONTRACTOR DOES NOT HAVE AUTOCAD DRAFTING CAPABILITIES, THE CONTRACTOR SHALL HIRE INSIGHT CONSULTING ENGINEERS TO PRODUCE THE "AS BUILT" DRAWINGS FROM HIS FIELD REDLINES. COMPLETED AUTOCAD "AS BUILTS" SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION.
29. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND COORDINATE WITH THE ARCHITECT AND GENERAL CONTRACTOR AS REQUIRED TO ENSURE THAT THERE IS ADEQUATE SPACE FOR INSTALLATION AND SERVICE.
30. THE ENGINEER HAS MADE EVERY EFFORT TO VERIFY THAT PIPING AND DUCTWORK WILL FIT IN THE LOCATIONS SHOWN ON THE DRAWINGS. HOWEVER, THERE ARE LOCATIONS WHERE UNKNOWN CONDITIONS MAY EXIST WHICH PREVENT THE DESIGN INSTALLATION. IF PIPING OR DUCTWORK WILL NOT FIT IN THE SPACE AVAILABLE, NOTIFY THE ENGINEER.
31. FOR SYSTEM COMPONENTS CALLED OUT FOR DEMOLITION, THE CONTRACTOR SHALL DEMOLISH DUCTWORK, HANGERS, AND MECHANICAL PIPING UP TO THE POINTS OF CONNECTION (POC) SHOWN ON THE DEMO AND NEW PLANS, AND PROVIDE TEMPORARY CAPS TO PROTECT EXISTING DUCTWORK AND PIPING TO REMAIN.

DUCT & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
SA		SUPPLY AIR
RA		RETURN AIR
OSA		OUTSIDE AIR
EA		EXHAUST AIR
ERA		ECONOMIZER RELIEF AIR
12x12	12x12	RECTANGULAR DUCT SIZE FIRST NUMBER INDICATES VISIBLE DIMENSION AND SECOND NUMBER INDICATES HIDDEN DIMENSION. ALL DIMENSIONS ARE INCHES.
12"Ø	12"Ø	ROUND DUCT DIAMETER
48x18Ø	48x18Ø	FLAT OVAL DUCT
		SUPPLY DUCT UP OR SECTION
		SUPPLY DUCT DOWN OR SECTION AWAY
		RETURN OR OSA DUCT UP OR SECTION
		RETURN OR OSA DUCT DOWN OR SECTION
		EXHAUST DUCT UP OR SECTION
		EXHAUST DUCT DOWN OR SECTION
		TRANSITION
SQR. RND.		SQUARE TO ROUND TRANSITION
		FLANGED TAKEOFF (RECTANGULAR DUCT)
		LATERAL HIGH EFFICIENCY TAKE-OFF FITTING W / VD (SQR TO RND TAKEOFF FROM RECTANGULAR MAIN)
		VD ON BRANCH DUCT
		CONICAL 90° TAKE-OFF (ROUND / OVAL DUCT)
		45° LATERAL TAKE-OFF (ROUND / OVAL DUCT)
R		DUCT SLOPE UP (RISE)
D		DUCT SLOPE DOWN (DROP)
		END CAP
		RECTANGULAR MITERED ELBOW W/ TURNING VANES
		RECTANGULAR TEE - 90° MITERED ELBOWS W/ TURNING VANES
R / D or W	R	90° OR 45° LONG RADIUS ELBOW, R=1.5 DIA OR WIDTH (ROUND OR RECTANGULAR DUCT)

HVAC SYMBOLS & ABBREVIATIONS

	DUCT WITH INTERNAL ACOUSTICAL INSULATION
AD	ACCESS DOOR
	VOLUME DAMPER
FSD	COMBINATION FIRE / SMOKE DAMPER
FD	FIRE DAMPER
FD	VERTICAL FIRE DAMPER
M	MOTORIZED DAMPER
BD	BACKDRAFT DAMPER
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER
	FLEXIBLE DUCT CONNECTION
	FLEXIBLE DUCT
	DIRECTION OF AIRFLOW
	SUPPLY DIFFUSER
	RETURN GRILLE
	EXHAUST GRILLE
	PRESSURE RELIEF GRILLE
	WALL OR DUCT REGISTER OR GRILLE
or	LINEAR DIFFUSER
	FILTER
AD	CEILING ACCESS DOOR
T	TEMPERATURE GAUGE
P	PRESSURE GAUGE
XX / XXX	OUTLET / INLET TAG
(F) XXX	AIRFLOW, CFM
(F)	PREFIX (F) INDICATES A FIRE RATED GRILLE, REGISTER, OR DIFFUSER
H	HUMIDISTAT OR HUMIDITY SENSOR
T	THERMOSTAT OR TEMP SENSOR
D	DUCT SMOKE DETECTOR
SD	SMOKE DETECTOR
SP	STATIC PRESSURE SENSOR
CO2	CARBON DIOXIDE SENSOR
ES	EMERGENCY SWITCH

HYDRONIC PIPING SYMBOLS

NG	NATURAL GAS PIPING
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
CD	CONDENSATE DRAIN PIPING
HWS	HOT WATER SUPPLY
HWR	HOT WATER RETURN
	DIRECTION OF FLOW
	CHANGE IN SIZE
	PIPE DOWN
	PIPE UP
	TEE DOWN
	TEE UP
	CAP
	PIPE UNION
	BALL VALVE
	PRESSURE GAUGE
T	TEMPERATURE GAUGE GAUGE
	PRESSURE REDUCING VALVE
	PRESSURE & TEMPERATURE GAUGE PORT
	BALANCING VALVE
	PUMP
	GLOBE VALVE
	CHECK VALVE
	SAFETY RELIEF VALVE
	STRAINER
	ELBOW
	TEE
	DOUBLE CHECK VALVE

GENERAL SYMBOLS

(C)	CAP FOR FUTURE
	POINT OF NEW CONNECTION
A	REVISION NUMBER
XX	POINT OF CONTINUATION
XX / XX	EQUIPMENT TAG EQUIPMENT NUMBER
	GENERAL BREAK
	LINE BREAK
	ON DEMOLITION PLANS, INDICATES ITEMS TO BE REMOVED
	ON DEMOLITION PLANS, INDICATES ITEMS TO BE SALVAGED FOR REINSTALL
1	KEYED NOTES
(E)	EXISTING
(F)	FUTURE
(D)	DEMOLISH

HVAC ABBREVIATIONS

ACFM	ACTUAL AIR - CUBIC FEET PER MINUTE
ACH	AIR CHANGES PER HOUR
AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AL	ALUMINUM
AP	ACCESS PANEL
ARCH	ARCHITECT OR ARCHITECTURAL
ATD	AIR TRANSFER DUCT
BD	BACKDRAFT DAMPER
BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
CDV	CLOTHES DRYER VENT
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	CEILING
CONSTR	CONSTRUCTION
CV	CONSTRAINT VOLUME
DB	DRY BULB
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
DX	DIRECT EXPANSION (REFRIGERATION)
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVATION
ERA	ECONOMIZER RELIEF AIR
ESP	EXTERNAL STATIC PRESSURE
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
°F	FAHRENHEIT
FC	FLEXIBLE CONNECTION
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPM	FEET PER MINUTE
FSD	COMBINATION FIRE / SMOKE DAMPER
GALV	GALVANIZED STEEL
GC	GENERAL CONTRACTOR
GM	GAS METER
GPM	GALLONS PER MINUTE
GRD	GRILLES, REGISTERS, DIFFUSERS
H	HUMIDISTAT
HDPE	HIGH-DENSITY POLYETHYLENE
HEPA	HIGH EFFICIENCY PARTICULATE AIR
HP	MOTOR HORSEPOWER
HVAC	HEATING, VENTING, AND CONDITIONING
HPW	HEAT PUMP WATER
HPWR	HEAT PUMP WATER RETURN
HPWS	HEAT PUMP WATER SUPPLY
LB(S)	POUND, POUNDS
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MA	MIXED AIR
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT CAPACITY
MECH	MECHANICAL
MFR	MANUFACTURER
MFS	MAXIMUM FUSE SIZE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OBD	OPPOSED BLADE DAMPER
OC	ON CENTER
OA or OSA	OUTSIDE AIR
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OMSC	2019 OREGON MECHANICAL SPECIALTY CODE
OSSC	2019 OREGON STRUCTURAL SPECIALTY CODE
PBD	PARALLEL BLADE DAMPER
PD	PRESSURE DRIP
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE / TEMPERATURE PLUG
PVC	POLYVINYL CHLORIDE
RA	RETURN AIR
RECT	RECTANGULAR
RPM	REVOLUTIONS PER MINUTE
REQ'D	REQUIRED
SA	SUPPLY AIR
SCFM	STANDARD AIR - CUBIC FEET PER MINUTE
SEC	SECTION
SF or SQ FT	SQUARE FEET
SIM	SIMILAR
SM	SHEET METAL
SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SP	STATIC PRESSURE
SPEC	SPECIFICATION OR SPECIFIED
SS	STAINLESS STEEL
STD	STANDARD
T	THERMOSTAT
TA	TRANSFER AIR
TC	TEMPERATURE CONTROLS
TEMP	TEMPERATURE
TOS	TOP OF STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
W/	WITH
WG	WATER GAUGE

DIFFUSER AND GRILLE SCHEDULE

TAG	TYPE	FACE SIZE	INLET SIZE	MFGR	MODEL	NOTES
SG-1	SUPPLY	8X8	SEE DETAIL	GREENHECK	XG-SC-RP	1
EG-1	EXHAUST	8X8	SEE DETAIL	GREENHECK	XG-SC-RP	1
NOTES:	1. PROVIDE WITH WELDED STEEL SLEEVE, FIELD VERIFY SLEEVE LENGTH PRIOR TO PURCHASE. PROVIDE WITH BOLT-ON ANGLE IRON FOR MOUNTING. NO MOUNTING HARDWARE SHALL BE EXPOSED IN THE SPACE.					

FAN SCHEDULE

TAG	SERVICE	TYPE	CFM	ESP	ELECTRICAL						MANUFACTURER	MODEL	WEIGHT	NOTES
					VOLTS	PHASE	AMPS	MCA	MOP	HP				
(D)EF-B2	EXISTING FAN TO BE DEMOLISHED													
EF-B2	EXHAUST FOR RR AND JANITOR CLOSET	DOWNFLOW	1,600	0.30	115	1	6.4	8.0	15.0	1/2	GREENHECK VARIGREEN	G-120-VG	71	1
NOTES:	1. PROVIDE WITH 19" X 19" CURB AND 12" X 12" GRAVITY BACKDRAFT DAMPER													

DRAWING LIST

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426 a street
ashland, or 97520
tel: 541.591.9988

Stamp

REGISTERED PROFESSIONAL ENGINEER 95573PE OREGON NOV. 12, 2019 AARON M. MUELLER

EXPIRES: 12/31/24

Project

MEDFORD SCHOOL DISTRICT
NMHS - HUMANITIES RESTROOM UPGRADE
1900 KEENE WAY DRIVE, MEDFORD, OR 97501

Consultant

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Revisions

No.	Description	Date

Date	06/07/2024
Job No.	24-008
Drawn By	AEL
Checked By	AMM

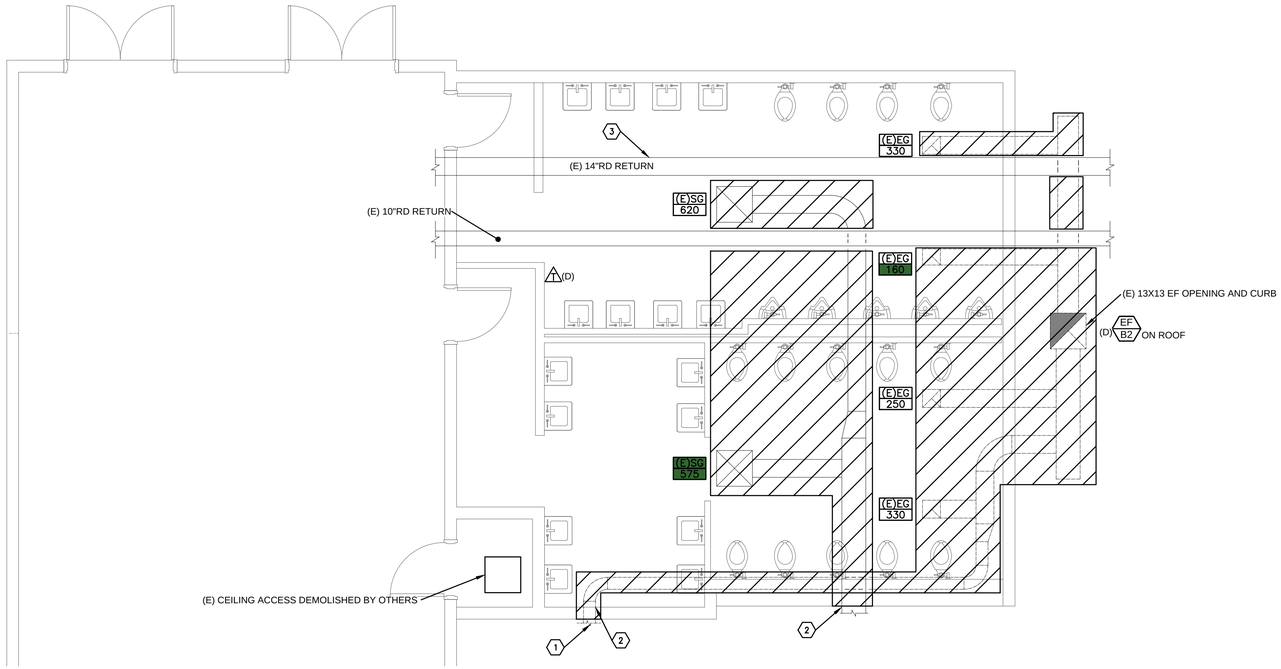
100% CD

Date
06/07/2024

Project Number
24-008

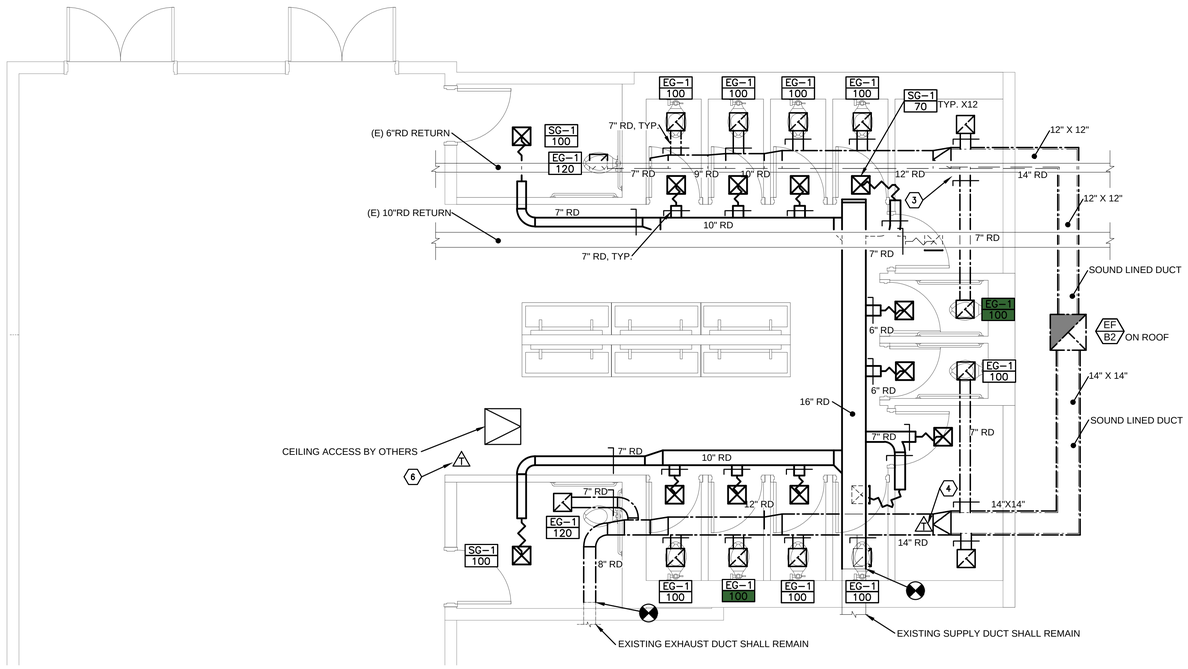
Drawing Title
MECHANICAL LEGEND

Sheet No
M1.1



1 MECHANICAL DEMO PLAN

1/4" = 1'-0"



2 MECHANICAL PLAN

1/4" = 1'-0"

SHEET NOTES

A. AS-BUILT LOCATIONS BASED ON BEST POSSIBLE INFORMATION FROM SITE VISIT OBSERVATION AND EXISTING DRAWINGS.

B. FIELD VERIFICATION OF SYSTEMS REQUIRED BY CONTRACTOR PRIOR TO START OF WORK.

C. UNLESS OTHERWISE NOTED NEW DUCTS SHALL BE INSTALLED ABOVE THE CEILING IN A MANNER TO PROVIDE ACCESS TO ALL BALANCE DAMPERS.

KEY NOTES

1. EXHAUST DUCT USED TO EXHAUST JC H49 SHALL REMAIN AND CONNECT TO NEW EXHAUST SYSTEM.
2. TEMPORARILY CAP AND PROTECT DUCTWORK FOR CONNECTION TO NEW.
3. EXISTING RETURN DUCT RUN IN CEILING TRUSS STRUCTURE SERVING CLASSROOM H1 SHALL REMAIN.
4. CONTROLS CONTRACTOR SHALL PROVIDE A TEMPERATURE SENSOR IN THE EXHAUST DUCT TO BE USED AS "RETURN TEMP, OR ZONE TEMP." NO THERMOSTAT SHALL BE INSTALLED.
5. SUPPLY DUCTS SHALL BE INSULATED WITH A MINIMUM OF 3" INSULATION. EXHAUST DUCT SHALL BE SOUND LINED AS SHOWN.
6. CONTROLS CONTRACTOR SHALL PROVIDE A SPACE TEMPERATURE SENSOR NEAR THE CEILING LEVEL. THIS TEMPERATURE SENSOR SHALL CONTROL THE HEAT TRACE OF PLUMBING PIPING IN THE ISLAND SINK WALL. SEE PLUMBING SHEETS FOR ADDITIONAL INFORMATION.

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NOV. 12, 2019
AARON M. MUELLER

EXPIRES: 12/31/24

Project

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Revisions

No.	Description	Date

Date	06/07/2024
Job No.	24-008
Drawn By	AEL
Checked By	AMM

100% CD

Date
06/07/2024

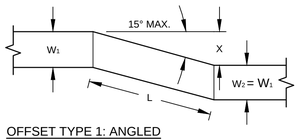
Project Number
24-008

Drawing Title
MECHANICAL PLAN

Sheet No
M2.1

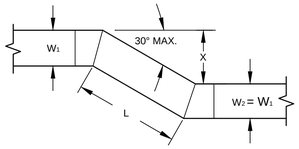
1' 2' 4'
1/4" 1/2" 1"
SCALE 1/4"=1'

NORTH



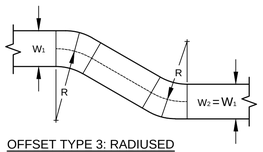
OFFSET TYPE 1: ANGLED

L (MIN.) = X / 0.26



OFFSET TYPE 2: MITERED

L (MIN.) = X / 0.5



OFFSET TYPE 3: RADIUSED

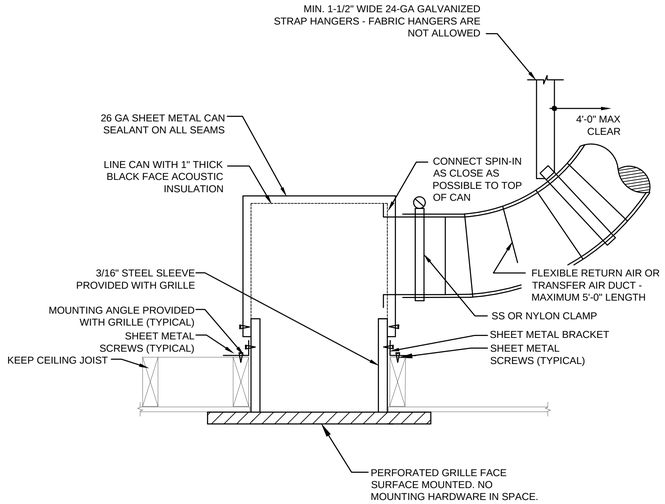
R (MIN.) = 3W / 2

NOTES:

1. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.
2. ALL OFFSETS SHOWN ON DRAWINGS SHALL BE MADE WITH ONE OF THE THREE OFFSET TYPES ABOVE.

1 DUCT OFFSETS

NTS



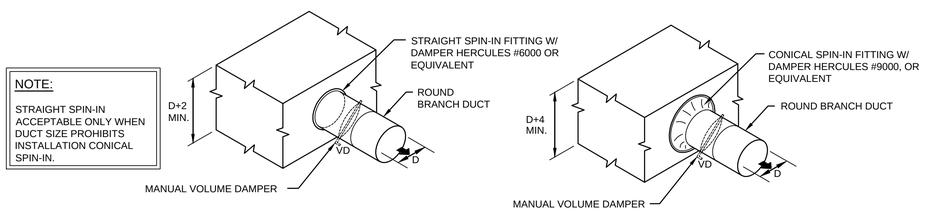
TYPICAL RETURN/EXHAUST GRILLE MOUNTING

2

NTS

NOTE:

STRAIGHT SPIN-IN ACCEPTABLE ONLY WHEN DUCT SIZE PROHIBITS INSTALLATION CONICAL SPIN-IN.



LOW PRESSURE SQUARE AND ROUND BRANCH TAKE-OFF

3

NTS

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EXPIRES: 12/31/24

Project

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Revisions

No.	Description	Date

Date	06/07/2024
Job No.	24-008
Drawn By	AEL
Checked By	AMM

100% CD

Date
06/07/2024

Project Number
24-008

Drawing Title
MECHANICAL DETAILS

Sheet No
M3.0

GENERAL NOTES

1. PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO CONSTRUCT A COMPLETE, OPERATIONAL PLUMBING SYSTEM FOR THE ENTIRE PROJECT AS SHOWN ON THESE DRAWINGS, INCLUDING ALL NECESSARY FEES AND PERMITS.
2. THE ENTIRE INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED PLUMBING CODE, MECHANICAL CODE, BUILDING CODE AND ALL OTHER APPLICABLE CITY, COUNTY, AND STATE CODES AND REGULATIONS IN EFFECT AT THE DATE OF THE BID. CONFORM TO ANY CODES, RULES, REGULATIONS AND REQUIREMENTS THAT THE PROJECT OWNER HAS.
3. OBTAIN ALL INSPECTION APPROVALS ON PLUMBING WORK FROM REGULATING AGENCIES WHERE REQUIRED.
4. PRIOR TO FABRICATION AND INSTALLATION THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PLUMBING PIPING AND EQUIPMENT WITH MECHANICAL PIPING, EQUIPMENT, DUCTWORK, AND ALL OTHER TRADES INCLUDING BUT NOT LIMITED TO THE MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR, FIRE PROTECTION CONTRACTOR, GENERAL CONTRACTOR, AND ANY CONTRACTOR HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
5. THE DRAWINGS SHOW THE EXISTING SYSTEMS AS UNDERSTOOD BY THE ENGINEER BASED ON PARTIAL RECORD DOCUMENTS AND SITE VISITS. IT SHALL BE THE WORK OF THE CONTRACTOR TO MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE AND OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT. MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES, OR MATERIAL REQUIRE PRIOR APPROVAL BY THE CONSULTING ENGINEER.
6. CONTRACTORS AND SUB-CONTRACTORS SHALL CAREFULLY REVIEW THE CONSTRUCTION DOCUMENTS. INFORMATION REGARDING THE COMPLETE WORK IS DISPERSED THROUGHOUT THE DOCUMENT SET AND CANNOT BE ACCURATELY DETERMINED WITHOUT REFERENCE TO THE COMPLETE DOCUMENT SET.
7. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES.
8. THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR PLUMBING EQUIPMENT AND PIPING SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL AND ELECTRICAL DRAWINGS.
9. EXACT ROUTING OF WASTE, GAS, AND WATER SERVICE IS DEPENDENT ON LOCAL SITE CONDITIONS AND MODIFICATIONS IN EQUIPMENT CONNECTIONS. EXACT LOCATION OF EQUIPMENT MAY VARY DEPENDING ON LOCAL CODE, HEALTH DEPARTMENT, AND CITY REQUIREMENTS FOR ALL SANITARY PIPING NEAR AT UNKNOWN POINTS OF CONNECTION AND IN THE AREA OF NEW STRUCTURAL FOOTINGS. PLUMBING CONTRACTOR SHALL SCOPE SANITARY PIPING TO DETERMINE PIPE SIZE AND LOCATION PRIOR TO DEMOLITION AND EXCAVATION WORK.
10. DETAILS: THE CONTRACTOR IS RESPONSIBLE TO REVIEW AND USE WHERE APPROPRIATE ALL OF THE PLUMBING DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE PLUMBING SYSTEM WITHOUT USING THE INCLUDED DETAILS IS THE RESPONSIBILITY OF THE CONTRACTOR.
11. THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
12. THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE MOUNTING REQUIREMENTS WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
13. ANY PART OF THIS INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
14. IF CONTRACTOR ENCOUNTERS MATERIAL WHICH MAY CONTAIN ASBESTOS, IMMEDIATELY STOP WORK IN THIS AREA AND NOTIFY THE OWNER.
15. EXISTING INTERIOR PIPING AND EQUIPMENT HAS BEEN LOCATED IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL VERIFY LOCATIONS, POINTS OF CONNECTION, PIPE SIZES AND PIPE ROUTING THROUGH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
16. THE CONTRACTOR IS RESPONSIBLE FOR PLUMBING EQUIPMENT CHECK-IN, SAFEKEEPING, AND DAMAGE.
17. ALL OPENINGS FOR PIPING THROUGH FIRE-RATED ENCLOSURES SHALL BE CAULKED AS REQUIRED BY CODE TO MAINTAIN FIRE RATING.
18. ANY SHUT DOWNS REQUIRED TO CONNECT TO ALL ACTIVE PIPING ARE TO BE COORDINATED WITH OWNER AND GC.
19. ALL VALVES CONCEALED IN CEILING OR WALLS SHALL BE PROVIDED WITH ACCESS PANELS. LOCATE ON "AS BUILT" DRAWINGS.
20. UNLESS OTHERWISE INDICATED, ALL UNDERGROUND SOIL AND WASTE PIPING TO A POINT 5'-0" OUT FROM BUILDING SHALL BE RUN AT A MINIMUM SLOPE OF 1/4" PER FT.
21. SEE "PLUMBING FIXTURE SCHEDULE" FOR FIXTURE MAKE AND TYPE, AND SIZE OF INDIVIDUAL WASTE, VENT, AND DOMESTIC WATER PIPING TO FIXTURES.
22. ALL PLUMBING EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
23. EQUIPMENT AND INSTALLATION SHALL MEET NATIONAL SANITATION FOUNDATION (NSF) STANDARDS, OR EQUIVALENT.
24. PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ALL PIPING.
25. ALL PIPING SHALL BE SECURED BY DOUBLE NUTTING AT THE HANGER ROD ATTACHMENT TO THE STRUCTURE AND AT THE PIPE HANGER.
26. PROVIDE WATER HAMMER ARRESTORS (SHOCK ABSORBERS) AT ALL PIPE LOCATIONS WHERE VALVE CLOSURES (SUCH AS FLUSH VALVES) MAY CAUSE WATER HAMMER OR RESULT IN EXCESSIVE PIPE VIBRATION OR MOVEMENT.
27. UPON COMPLETION OF THE WORK, REMOVE ALL SURPLUS MATERIALS AND RUBBISH. MAKE ALL REQUIRED PATCHING AND REPAIRS OF OTHER TRADES' WORK DAMAGED BY THIS CONTRACTOR, AND LEAVE THE PREMISES IN A CLEAN, ORDERLY CONDITION.
28. THE CONTRACTOR SHALL OPERATE THE SYSTEM AND DEMONSTRATE ALL ASPECTS TO THE ENGINEER AND/OR OWNER, TO PROVE ITS OPERATION.
29. THE CONTRACTOR SHALL GUARANTEE THE PLUMBING SYSTEM FOR A PERIOD OF ONE YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION.
30. THE CONTRACTOR SHALL, DURING CONSTRUCTION, MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAWINGS AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, AND ACCESSORIES SHALL BE RECORDED. AS-BUILT REDLINE DRAWINGS SHALL CAPTURE BOTH CHANGES TO THE SYSTEMS INCLUDED IN THE SCOPE OF WORK AS WELL AS EXISTING CONDITIONS THAT DIFFER FROM WHAT IS SHOWN ON THE DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR CONVERTING THE CONSTRUCTION REDLINE DRAWINGS INTO "AS BUILT" DRAWINGS USING AUTOCAD BACKGROUNDS PROVIDED BY INSIGHT CONSULTING ENGINEERS. IF THE CONTRACTOR DOES NOT HAVE AUTOCAD DRAFTING CAPABILITIES, THE CONTRACTOR SHALL HIRE THE ENGINEER TO PRODUCE THE "AS BUILT" DRAWINGS FROM HIS FIELD REDLINES. COMPLETED AUTOCAD "AS BUILTS" SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION.
31. THE CONTRACTOR SHALL FIELD VERIFY THE EXISTING CONDITIONS AND COORDINATE WITH THE ARCHITECT AND GENERAL CONTRACTOR AS REQUIRED TO ENSURE THAT THERE IS ADEQUATE SPACE FOR INSTALLATION AND SERVICE.
32. THE ENGINEER HAS MADE EVERY EFFORT TO VERIFY THAT PIPING AND PLUMBING FIXTURES WILL FIT IN THE LOCATIONS SHOWN ON THE DRAWINGS. HOWEVER, THERE ARE LOCATIONS WHERE UNKNOWN CONDITIONS MAY EXIST WHICH PREVENT THE DESIGN INSTALLATION. IF PIPING OR FIXTURES WILL NOT FIT IN THE SPACE AVAILABLE, NOTIFY THE ENGINEER.
33. FOR SYSTEM COMPONENTS CALLED OUT A DEMOLITION THE CONTRACTOR SHALL DEMOLISH EXISTING FIXTURES, DOMESTIC WATER, SANITARY, AND VENT PIPING UP TO THE POINTS OF CONNECTION (POC) SHOWN ON THE DEMO AND NEW PLANS, AND PROVIDE TEMPORARY CAPS TO PROTECT EXISTING PIPING TO REMAIN.

PIPING SYMBOLS

- BUILDING SANITARY BELOW FLOOR OR GRADE
- EXISTING BUILDING SANITARY BELOW FLOOR/GRADE
- VENT
- EXISTING VENT
- COLD WATER
- HOT WATER
- HOT WATER RETURN
- EXISTING COLD WATER
- EXISTING HOT WATER
- NG — NATURAL GAS
- TP — TRAP PRIMER
- PIPE DOWN
- PIPE UP
- TEE DOWN
- TEE UP
- ELBOW
- TEE
- CAP
- CONCENTRIC REDUCER / INCREASER
- UNION
- DIRECTION OF FLOW
- PUMP
- FLOOR CLEAN-OUT
- CLEAN-OUT TO GRADE
- WALL CLEAN-OUT
- P-TRAP
- SHUT-OFF VALVE ON RISER TO DROP
- WATER HAMMER ARRESTER
- HOSE BIBB (WALL HYDRANT)
- SHUT-OFF VALVE (BALL VALVE)
- SHUT-OFF VALVE (GATE VALVE)
- GLOBE VALVE
- CHECK VALVE

GENERAL SYMBOLS

- (F) — CAP FOR FUTURE
- (C) — PERMANENTLY CAP
- (E) — EXISTING TO REMAIN
- (R) — RELOCATE EXISTING
- (D) — DEMOLISH
- POINT OF NEW CONNECTION
- X — REVISION NUMBER
- XX / XX — EQUIPMENT TAG / EQUIPMENT NUMBER
- XX / XX — SECTION (LETTER) OR DETAIL (NUMERICAL) DESIGNATION / SHEET NUMBER
- X — SECTION (LETTER) OR DETAIL (NUMERICAL) DESIGNATION
- X / XX — SECTION DESIGNATION / SHEET NUMBER
- GENERAL BREAK
- LINE BREAK
- ON DEMOLITION PLANS, INDICATES ITEMS TO BE REMOVED
- ON DEMOLITION PLANS, INDICATES ITEMS TO BE SALVAGED FOR REINSTALL
- XX | X — PLUMBING FIXTURE UNITS W/ PIPE SIZE
- 1 — KEYED NOTES

PLUMBING ABBREVIATIONS

AD	ACCESS DOOR
AFF	ABOVE FINISH FLOOR
ARCH	ARCHITECT OR ARCHITECTURAL
BFF	BELOW FINISHED FLOOR
BLDG	BUILDING
BM	BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
CA	COMPRESSED AIR
CLG	CEILING
CO	CLEAN OUT
CTG	CLEAN OUT TO GRADE OR COTG
CONSTR	CONSTRUCTION
CW	COLD WATER (POTABLE)
DCW	DOMESTIC CLOTHES WASHER
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
DW	DISHWASHER
DWG	DRAWING
ELEV	ELEVATION
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EWF	EYE WASH FOUNTAIN
EWH	ELECTRIC WATER HEATER
FC	FLEXIBLE CONNECTION
FLA	FULL LOAD AMPS
FLR	FLOOR
FUT	FUTURE WORK TO BE DONE
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
HB	HOSE BIBB
HP	MOTOR HORSEPOWER
HR	HOUR
HW	HOT WATER (POTABLE)
HWR	HOT WATER RETURN
INT	INITIAL WORK TO BE DONE
IE	INVERT ELEVATION
L	LAVATORY
LB(S)	POUND, POUNDS
MBH	THOUSAND BTU PER HOUR
MC	MECHANICAL CONTRACTOR
MCA	MINIMUM CIRCUIT CAPACITY
MECH	MECHANICAL
MFGR	MANUFACTURER
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
NC	NORMALLY CLOSED
NG	NATURAL GAS
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OC	ON CENTER
OA/OSA	OUTSIDE AIR
OMSC	OREGON MECHANICAL SPECIALTY CODE
OPSC	OREGON PLUMBING SPECIALTY CODE
OSSC	OREGON STRUCTURAL SPECIALTY CODE
PRV	PRESSURE RELIEF VALVE
PT	PRESSURE TANK
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE / TEMPERATURE PLUG
PVC	POLYVINYL CHLORIDE
RD	RAIN DRAIN
RDO	RAIN DRAIN OVERFLOW
RECT	RECTANGULAR
REQ'D	REQUIRED
RPM	REVOLUTIONS PER MINUTE
SAN	SANITARY DRAIN LINE
SF/SQFT	SQUARE FEET
SH	SHOWER
SIM	SIMILAR
SPEC	SPECIFICATION OR SPECIFIED
SRV	SAFETY RELIEF VALVE
SS	STAINLESS STEEL
STD	STANDARD
TPRV	THERMAL PRESSURE RELIEF VALVE
TOS	TOP OF STEEL
TYP	TYPICAL
U	URINAL
UNO	UNLESS NOTED OTHERWISE
V	VENT
W/	WITH
WC	WATER CLOSET
WCO	WALL CLEAN OUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTER

PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	DESCRIPTION: FIXTURE	MANUFACTURER/MODEL	MATERIAL	MOUNTING	COMMENTS	ADA	ACCESSORIES: ITEM	MANUFACTURER	MODEL	FEATURES	HW	CW	DRAIN	VENT	NOTES
(E) HB-2	EXTERIOR HOSE BIBB	EXISTING HOSE BIBB TO BE REMAIN		SURFACE	BOX TYPE FREEZELESS	YES	N/A	N/A	N/A	N/A	N/A	3/4"	N/A	N/A	
FD-1	FLOOR DRAIN	JAY R SMITH/2005A05NB	BRONZE	FLOOR	5" ROUND STRAINER	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2"	1-1/2"	
L-1	LAVATORY	SLOAN/DSWD-8200	CORIAN OR QUARTZ	WALL CARRIER	WEIR DECK SINK	YES	METERED FAUCET	DELTA	87T105	WITH 87T151 COVER PLATE	1/2"	1/2"	1-1/2"	1-1/4"	1, 4
MS-1	MOP SINK	ZURN/Z1996-24	HD COMPOSITE	WALL PLATE	4-SIDED WALL GUARD	NO	SERVICE SINK	ZURN	Z841M4	VACUUM BREAKER,	3/4"	3/4"	2"	1-1/2"	5
WC-2	WATER CLOSET	AMERICAN STANDARD/AFWALL 3351.101	VITREOUS CHINA	WALL	1.28 GPF SIPHON JET	YES	FLUSHOMETER	AMERICAN STANDARD	6047.121.002	TOP SPUD	N/A	1"	3"	1-1/2"	1, 2
WC-1	WATER CLOSET	AMERICAN STANDARD/AFWALL 3351.101	VITREOUS CHINA	WALL	1.28 GPF SIPHON JET	NO	FLUSHOMETER	AMERICAN STANDARD	6047.121.002	TOP SPUD	N/A	1"	3"	1-1/2"	1, 3

NOTES:
1. FOR WALL MOUNTED FIXTURES,
2. INSTALL TOILET SO TOP OF SEAT IS 17" FROM FINISHED FLOOR IN ADA APPLICATIONS.
3. INSTALL TOILET SO TOP OF SEAT IS 16.5" FROM FINISHED FLOOR IN ADA APPLICATIONS.
4. PROVIDE WITH THERMOSTATIC MIXING VALVE SET TO DISCHARGE NO HOTTER THAN 110F.
5. PROVIDE WITH MOP HANGER, THREE GRIPS IN STAINLESS STEEL BRACKET, AND 36" LONG HOSE WITH WALL HANGER.

DRAWING LIST

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REGISTERED PROFESSIONAL ENGINEER 95573PE OREGON NOV. 12, 2019 AARON M. MUELLER

EXPIRES: 12/31/24

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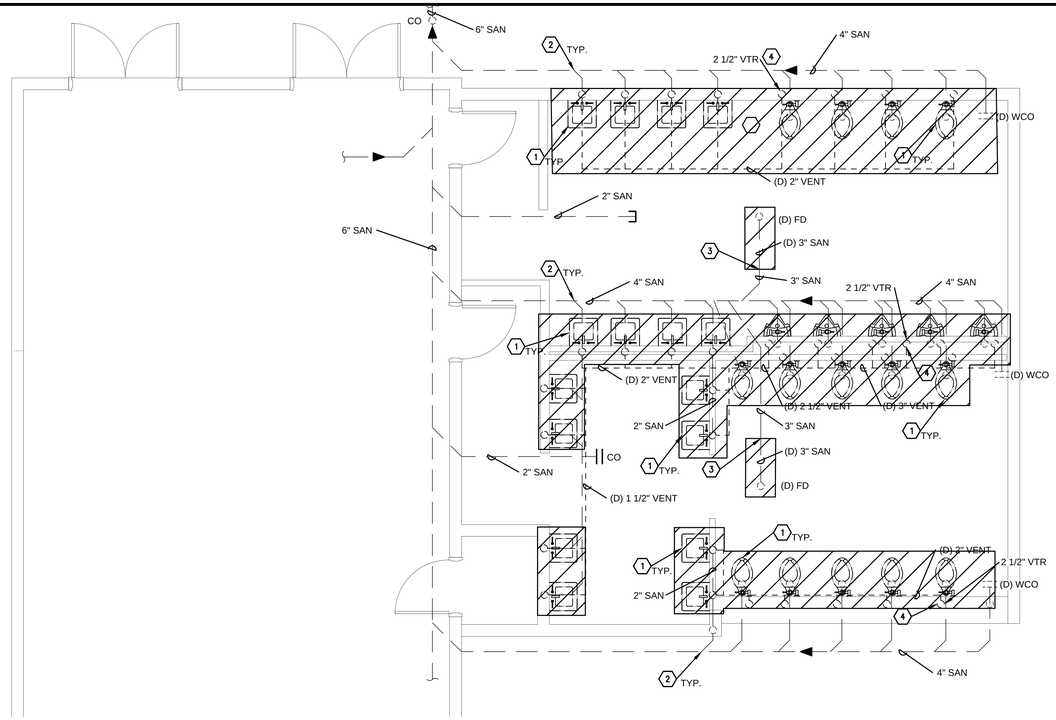
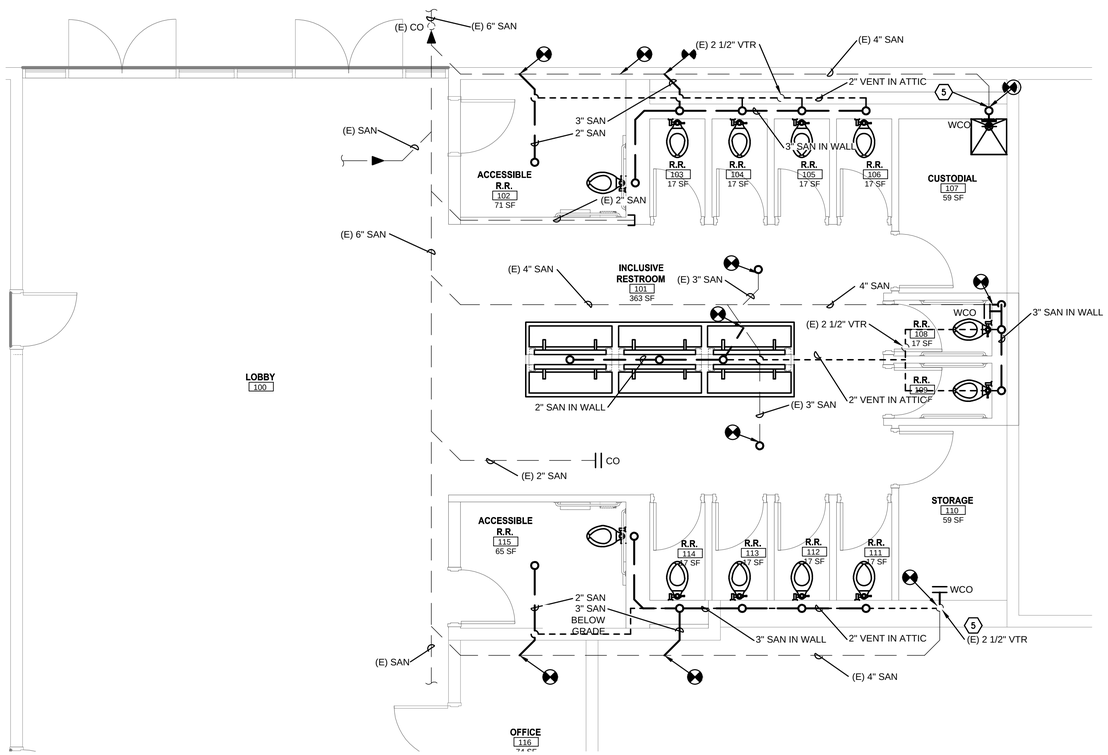
Drawing Title
PLUMBING LEGEND

Sheet No
P1.0



1 PLUMBING DEMO PLAN - SANITARY

1/4" = 1'-0"



2 PLUMBING PLAN - SANITARY SEWER

1/4" = 1'-0"

SHEET NOTES

A. AS-BUILT CONDITIONS BASED ON EXISTING PLAN AS-BUILTS DATE 05/15/2003. FIELD VERIFICATION OF PIPING SYSTEMS REQUIRED PRIOR TO START OF WORK. SCOPE AND LOCATE EXISTING BURIED SANITARY DRAINS PRIOR TO EXCAVATION.

B. UNLESS OTHERWISE NOTED NEW SANITARY DRAIN LINES SHALL BE INSTALLED HORIZONTALLY IN WALLS TO MINIMIZE SANITARY DRAIN DROPS AND MINIMIZE EXCAVATION.

C. UNLESS OTHERWISE NOTED SANITARY DRAINS AND VENTS SHALL BE INSTALLED WITH A MINIMUM SLOE OR 1/4" PER 1'.

D. NOT ALL CAPPED BRANCH DRAINS ARE SHOWN.

E. UNLESS OTHERWISE NOTED VENTS SHALL BE INSTALLED IN THE ATTIC SPACE AND CONNECTED TO EXISTING VENTS THROUGH ROOF.

F. SEE SHEET P2.2 FOR NEW FIXTURE CALLOUTS.

G. COORDINATE WITH THE GC FOR SAW CUTTING AND EXCAVATION.

KEY NOTES

1. DEMOLISH PLUMBING FIXTURES AND ASSOCIATED SANITARY DRAIN AND VENT IN THE WALL OR FLOOR.
2. PERMANENTLY CAP INDIVIDUAL SAN LINES IN WALL OR BELOW FLOOR AND ABANDON BRANCH.
3. DEMO EXISTING FLOOR DRAIN AND DRAIN LINE TO THE EXTENT NECESSARY TO INSTALL THE NEW FLOOR DRAIN IN THE NEW LOCATION.
4. DEMOLISH VENT PIPING UP TO CEILING/ATTIC SPACE. TEMPORARILY CAP AND PROTECT VENTS THROUGH THE ROOF FOR CONNECTION TO THE NEW FIXTURE VENTS.
5. NEW WALL CLEAN OUT ON EXISTING VENT/DRAIN IN WALL.

1' 2' 4'
1/4" 1/2" 1"
SCALE 1/4"=1'

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REGISTERED PROFESSIONAL ENGINEER 95573PE OREGON NOV. 12, 2014 AARON M. MUELLER

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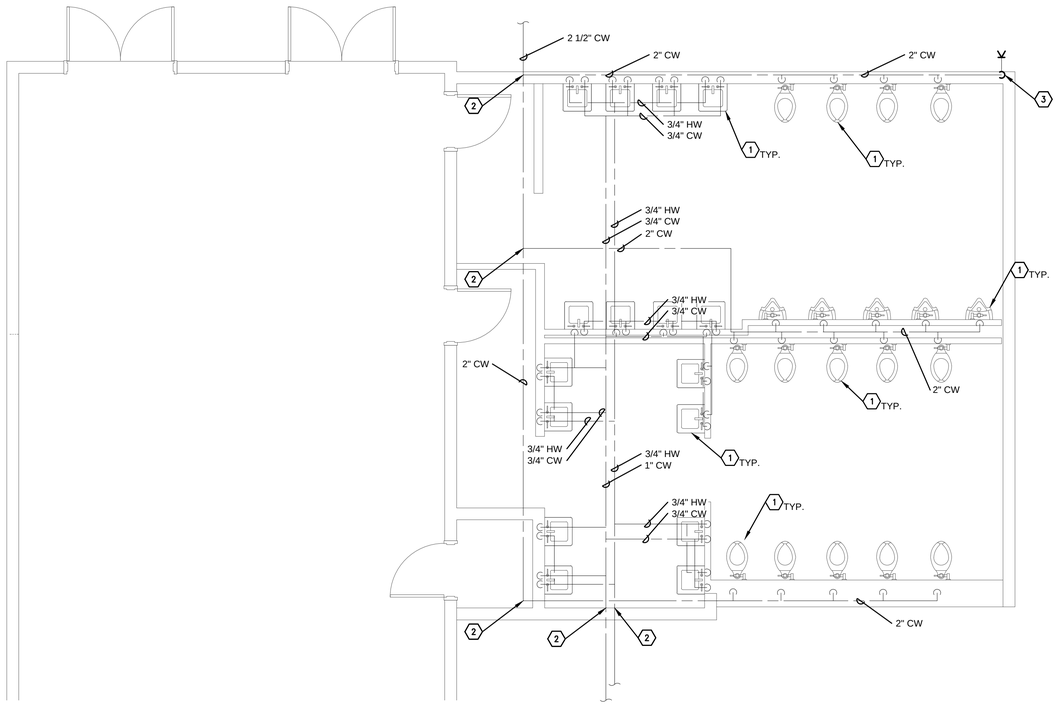
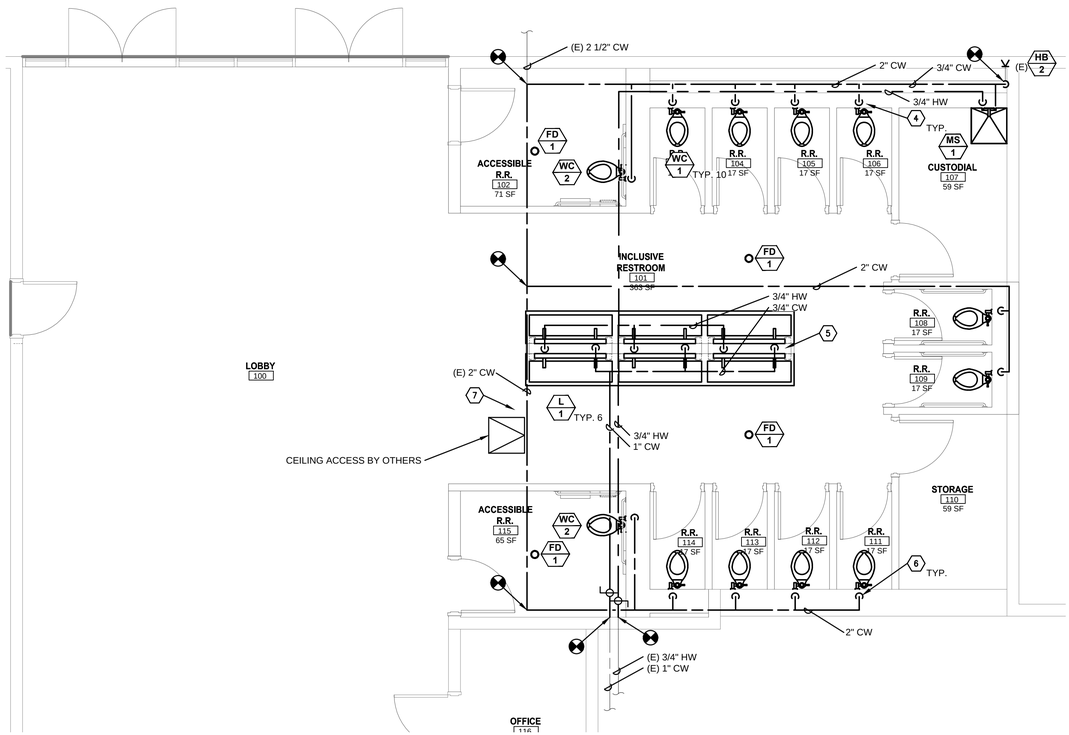
Drawing Title
PLUMBING PLAN - SANITARY

Sheet No
P2.1



1 PLUMBING DEMO PLAN - DOMESTIC WATER

1/4" = 1'-0"



2 PLUMBING PLAN - DOMESTIC WATER

1/4" = 1'-0"

SHEET NOTES

A. AS-BUILT CONDITIONS BASED ON EXISTING PLAN AS-BUILTS DATE 05/15/2003. FIELD VERIFICATION OF SYSTEMS REQUIRED PRIOR TO START OF WORK.

B. UNLESS OTHERWISE NOTED CW AND HW SHALL BE INSTALLED IN THE ATTIC.

KEY NOTES

1. DEMOLISH ALL EXISTING PLUMBING FIXTURES INCLUDING BRANCH HW AND CW PIPING.
2. DEMOLISH CW AND HW LINES BACK TO THESE LOCATIONS, CAP CLOSE TO THE MAIN SUPPLY LINE. NO DEAD LEGS OF SUPPLY PIPING SHALL REMAIN.
3. PROTECT EXISTING HB-2 DURING DEMO PHASE FOR CW TO BE RECONNECTED DURING CONSTRUCTION.
4. PIPING IN EXTERIOR WALLS SHALL BE INSTALLED ON THE INTERIOR OF THE BUILDING INSULATION ENVELOPE.
5. ALL CW, AND HW INSTALLED IN THE ISLAND SINK WALL SHALL BE HEAT TRACED AND INSULATED. ALL EXPOSED HW AND CW PIPING AND SANITARY TRAP ARMS FOR THE SINK INSTALLED ON THE ISLAND SINK WALL SHALL BE HEAT TRACED AND INSULATED. PROVIDE INSULATION KITS THAT MEET ADA REQUIREMENTS.
6. PROVIDE WATER HAMMER ARRESTORS AND ACCESS PANEL FOR EACH FIXTURE WITH A FLUSH VALVE.
7. THE HEAT TRACE CONTROLLER SHALL BE LOCATED IN THE ATTIC NEAR THE ACCESS HATCH. THE CONTROLS CONTRACTOR SHALL PROVIDE A TEMPERATURE SENSOR IN THE COMMON RESTROOM SPACE. WHEN THE TEMPERATURE IN THE COMMON RESTROOM SPACE IS BELOW 36 F (ADJ) THE CONTROL SYSTEM SHALL TURN ON THE CENTER ISLAND HEAT TRACE FOR FREEZE PROTECTION OF THE PIPING. SEE HVAC SHEETS FOR TEMPERATURE SENSOR LOCATION. ONCE THE SPACE TEMPERATURE RISES ABOVE THE SETPOINT, THE CONTROL SYSTEM SHALL TURN OFF THE HEAT TRACE.

1' 2' 4'
¼" ½" 1"
SCALE ¼"=1'

NORTH

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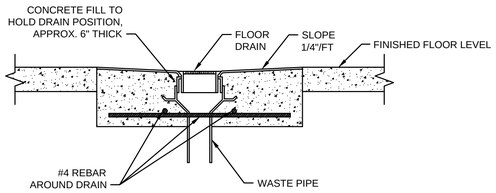
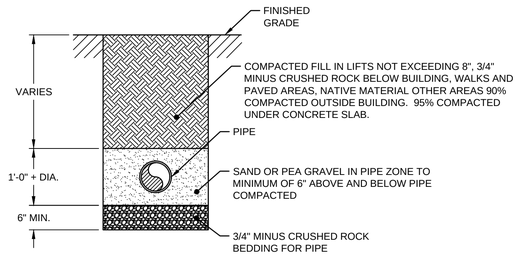
Drawing Title
PLUMBING PLAN - DOMESTIC WATER

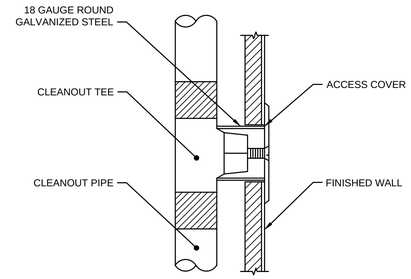
Sheet No
P2.2



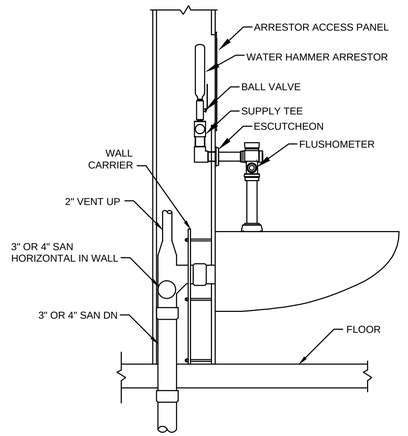
1 FLOOR DRAIN INSTALLATION
NTS



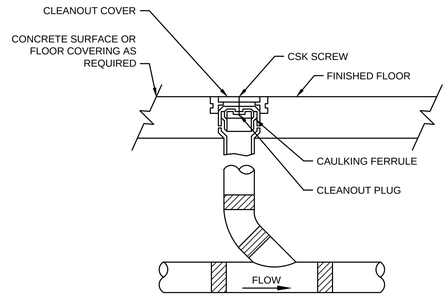
2 BELOW GRADE PIPE INSTALLATION
NTS



3 WALL CLEANOUT
NTS



5 WALL MOUNT TYPE WATER CLOSET
NTS



6 FLOOR CLEANOUT
NTS

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Revisions

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Drawing Title
PLUMBING DETAILS

Sheet No
P3.0

DEMOLITION NOTES

1. THE ELECTRICAL DRAWINGS SHOW THE SCOPE OF THE EXISTING ELECTRICAL WORK TO REMAIN OR TO BE BE REMOVED, AND ARE BASED ON RECORD DOCUMENTS AND CASUAL PHYSICAL SURVEY. THE EXACT LOCATIONS, CONFIGURATIONS AND ROUTING OF EXISTING SERVICES ARE NOT KNOWN. USE LOCATE SERVICE AND EXPLORATORY DEMOLITION AS REQUIRED TO FIELD VERIFY ALL SERVICES, ETC. THAT MAY BE ENCOUNTERED DURING DEMOLITION. USE EXTREME CAUTION. REMOVE OR REROUTE EXISTING SERVICES AS SHOWN OR AS REQUIRED.
2. VERIFY THAT ALL EXISTING EQUIPMENT TO REMAIN IS IN PROPER WORKING ORDER. NOTIFY OWNER OF ANY ITEMS FOUND TO BE IN A NON-WORKING CONDITION.
3. REMOVE ALL UNUSED WIRING BACK TO ORIGIN, OR NEXT DEVICE OUTSIDE OF PROJECT LIMITS, INCLUDING WIRING DISCONNECTED UNDER THIS CONTRACT OR UNCOVERED BY DEMOLITION.
4. WHERE UNUSED WIRING TERMINATES AT A PANELBOARD AND NO LOADS ARE ON THAT CIRCUIT, REMOVE WIRING AND RE-LABEL THE EXISTING CIRCUIT AS "SPARE". TURN ALL SPARE BREAKERS OFF.
5. UNUSED UNDERGROUND RACEWAY MAY BE ABANDONED IN PLACE WHERE NOT IN CONFLICT WITH NEW WORK. REMOVE ALL UNUSED RACEWAY WHERE REQUIRED BY NEW WORK, INCLUDING RACEWAY DISCONNECTED UNDER THIS CONTRACT OR UNCOVERED BY DEMOLITION.
6. MAINTAIN CIRCUIT CONTINUITY AS REQUIRED FOR SERVICES AND EQUIPMENT TO REMAIN, INCLUDING THOSE UNCOVERED BY DEMOLITION. COORDINATE WITH NEW WORK AND RE-ROUTE CONDUIT AND WIRE AS REQUIRED TO AVOID CONFLICT WITH NEW WORK.
7. CORRECT WIRING METHOD CODE VIOLATIONS UNCOVERED BY DEMOLITION. PROVIDE JUNCTION BOXES FOR ALL SPLICES.
8. ALL NEW AND REMAINING JUNCTION AND PULL BOXES SHALL BE ACCESSIBLE PER NFPA 70. RELOCATE EXISTING BOXES AS REQUIRED BY NEW CONSTRUCTION.
9. ALL MATERIALS REMOVED ARE THE PROPERTY OF THE OWNER, AND SHALL BE TURNED OVER TO THE OWNER, OR REMOVED FROM THE JOBSITE AT THE CONTRACTOR'S EXPENSE.

ELECTRICAL GENERAL NOTES

SEE DIVISION 26 SPECIFICATIONS FOR EXPANDED REQUIREMENTS.

1. WORK INCLUDES INSTALLATION OF ALL ELECTRICAL SYSTEMS COMPLETE AND OPERATIONAL TO THE SATISFACTION OF THE OWNER AS LIMITED BY THE CONTRACT DOCUMENTS.
2. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH THE 2023 EDITION OF THE NATIONAL ELECTRICAL CODE (NFPA 70) WITH OREGON AMENDMENTS (2023 OESC), NATIONAL ELECTRICAL SAFETY CODE (ANSI IEEE C2) AND ALL LOCAL RULES AND REGULATIONS.
3. CONFORM TO DIVISION 1 SPECIFICATIONS SECTIONS REGARDING PERMITS.
4. VISIT THE JOB SITE AND VERIFY ALL EXISTING CONDITIONS AND THE EXTENT OF REMOVAL, RELOCATION, RECONNECTION AND/OR NEW WORK PRIOR TO BIDDING. BID SUBMISSION SHALL BE CONSIDERED AS EVIDENCE OF SITE INSPECTION AND RESOLUTION OF ALL DISCREPANCIES AND QUESTIONS. NO EXTRA PAYMENT WILL BE AUTHORIZED FOR WORK MADE NECESSARY BY FAILURE TO VISIT THE SITE.
5. SUBMIT PRODUCT DATA AND SHOP DRAWINGS TO THE ARCHITECT FOR ALL LUMINAIRES, EQUIPMENT AND DEVICES COVERED BY THIS CONTRACT FOR APPROVAL PRIOR TO ORDERING. INCLUDE A TRANSMITTAL WITH THE CONTRACTOR'S STAMP AND SIGNATURE INDICATING THEY HAVE BEEN CHECKED AND ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS. SUBMITTALS NOT BEARING CONTRACTOR APPROVAL WILL BE RETURNED WITHOUT REVIEW.
6. SHOP DRAWINGS ARE INTENDED TO SHOW UNDERSTANDING OF, AND COMPLIANCE WITH, THE CONTRACT DOCUMENTS. CAD FILES OF THE PROJECT DOCUMENTS WILL NOT BE AVAILABLE FOR USE AS SHOP DRAWINGS WITHOUT PRIOR CLEARANCE AND ACCEPTANCE OF ELECTRONIC MEDIA RELEASE FORM.
7. SHOULD PROJECT CONDITIONS, INCLUDING CONDITIONS UNCOVERED BY DEMOLITION OR CHANGES TO OTHER TRADES, REQUIRE REARRANGEMENT OF WORK, MARK SUCH CHANGES ON AS-BUILT DRAWINGS. IF PROJECT CONDITIONS REQUIRE UNSPECIFIED MATERIALS OR METHODS, SUBMIT REQUEST FOR INFORMATION (RFI) TO THE ARCHITECT WITH DRAWINGS SHOWING THE PROPOSED ALTERNATIVE MATERIALS OR METHODS. DO NOT PROCEED WITH THE WORK UNTIL APPROVAL IS OBTAINED. RFIs SUBMITTED WITHOUT PROPOSED SOLUTIONS WILL BE RETURNED WITHOUT REVIEW. REARRANGEMENT OF WORK FOR THE PURPOSE OF COORDINATION BETWEEN TRADES SHALL NOT BE CONSIDERED REASON FOR EXTRA COST.
8. OBTAIN AND REVIEW PRODUCT DATA, SHOP DRAWINGS AND INSTALLATION INSTRUCTIONS FOR OWNER-FURNISHED EQUIPMENT, AND EQUIPMENT FURNISHED BY OTHER TRADES. VERIFY ELECTRICAL REQUIREMENTS OF EQUIPMENT ACTUALLY PROVIDED PRIOR TO ROUGH-IN.
9. PROVIDE RECORD DOCUMENTS AT THE CLOSE OF CONSTRUCTION. INCLUDE OPERATIONS AND MAINTENANCE MANUALS FOR ALL EQUIPMENT, AND COPIES OF WARRANTIES, TEST RECORDS AND CERTIFICATIONS. INCLUDE AS-BUILT DRAWINGS: SHOW ALL CHANGES MADE PER PROJECT CONDITIONS, LOCATIONS OF ALL DISTRIBUTION APPARATUS, PULL AND JUNCTION BOXES, AND ROUTING OF CONDUITS 2" AND LARGER.
10. INSTALL ALL FEEDERS AND EXPOSED BRANCH CIRCUITS IN CONDUIT. CONCEAL ALL CONDUIT IN FINISHED AREAS; USE SURFACE METAL RACEWAY IN EXISTING FINISHED AREAS WHERE CONDUIT CANNOT BE CONCEALED. ALL CONDUIT IN UNFINISHED AREAS MAY BE EXPOSED. MINIMUM CONDUIT SIZE IS 0.75 INCH. USE RIGID GALVANIZED STEEL, EMT AND FLEXIBLE METAL CONDUIT FOR ALL INTERIOR APPLICATIONS U.N.O.. USE EMT AND RIGID GALVANIZED STEEL CONDUIT ALL EXPOSED EXTERIOR LOCATIONS.
11. USE STEEL SET SCREW OR COMPRESSION TYPE FITTINGS FOR EMT CONDUIT. DIE-CAST FITTINGS ARE PROHIBITED. USE GALVANIZED MALLEABLE IRON FITTINGS FOR RGS CONDUIT.
12. CONDUIT SIZES INDICATED ON THE DRAWINGS MAY BE PURPOSELY OVERSIZED FOR FUTURE CONDUCTORS OR TO AVOID EXCESS CONDUIT HEATING. CONDUIT SIZES NOT SHOWN ON THE DRAWINGS SHALL BE SIZED BY THE CONTRACTOR BASED ON THE NUMBER OF CONDUCTORS TO BE INSTALLED, IN ACCORDANCE WITH NFPA 70.
13. PROVIDE AND INSTALL ALL JUNCTION AND PULL BOXES REQUIRED FOR THE INSTALLATION OF ELECTRICAL DEVICES AND EQUIPMENT, WHETHER OR NOT INDICATED ON PLANS. SIZING OF BOXES SHALL BE PER NFPA 70.
14. SEAL ALL PENETRATIONS THROUGH FIRE RATED SLABS, FLOORS, WALLS AND CEILINGS TO MAINTAIN THE INTEGRITY OF THE FIRE RATING, USING A U.L. LISTED FIRE RATED SYSTEM.
15. OBTAIN APPROVAL FROM THE ARCHITECT BEFORE MAKING ANY PENETRATIONS THROUGH STRUCTURAL MEMBERS OR FIRE RATED WALLS OR CEILINGS.
16. USE STRANDED COPPER, 600 VOLT INSULATION TYPE XHHW FOR ALL CONDUCTORS #8 AND LARGER. USE SOLID OR STRANDED COPPER, 600 VOLT INSULATION TYPE THHN/THWN FOR ALL CONDUCTORS SMALLER THAN #8.
17. METAL-CLAD ARMORED (TYPE AC OR MC) CABLE MAY BE USED FOR CONCEALED BRANCH CIRCUIT WIRING AND FIXTURE WHIPS. NONMETALLIC-SHEATHED (TYPE NM OR NMS) CABLE IS PROHIBITED.
18. PROVIDE A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN ALL FEEDERS AND BRANCH CIRCUITS, INCLUDING SWITCH LEGS. SIZE GROUNDING CONDUCTOR PER NFPA 70, TABLE 250-122.
19. BRANCH CIRCUIT ARRANGEMENTS ON PLANS ARE DIAGRAMMATIC AND DO NOT INDICATE ACTUAL ROUTING. USE #10 AWG CONDUCTORS FOR 20A 120V BRANCH CIRCUIT CONDUCTORS LONGER THAN 75 FEET, AND FOR 20A 277V BRANCH CIRCUITS LONGER THAN 200 FEET.
20. UPDATE THE CIRCUIT DIRECTORIES IN EXISTING PANELBOARDS TO ACCURATELY REFLECT THE NEW CIRCUITING. IDENTIFY THE SOURCE OF POWER PER NEC 408.4(B).
22. PROVIDE NEMA 1 DISCONNECT SWITCHES INDOORS AND NEMA 3R OUTDOORS UNLESS NOTED OTHERWISE. VOLTAGE, AMPERE AND MINIMUM A.I.C. RATINGS ARE SHOWN ON DIAGRAMS AND PLANS.
MANUFACTURERS: SIEMENS-ITE, GENERAL ELECTRIC, CUTLER-HAMMER, SQUARE D.
23. CONFIRM EXACT COUNTER HEIGHTS, CABINET LOCATIONS AND EQUIPMENT LOCATIONS PRIOR TO ROUGH-IN FOR POWER, DATA AND COMMUNICATION DEVICES.
24. SEE SEPARATE LUMINAIRE SCHEDULE, LIGHTING NOTES AND CONTROL NOTES ELSEWHERE IN THESE DRAWINGS.

ELECTRICAL LEGEND

———	NEW WORK
———	EXISTING OR DESCRIBED ELSEWHERE IN THESE DOCUMENTS
—·—·—	EXISTING TO BE REMOVED
	PANELBOARD, 277/480V 3ø 4 WIRE
	PANELBOARD, 120/208V 3ø 4 WIRE
	DISCONNECT SWITCH, VOLTAGE AND RATING TO MATCH CIRCUIT BREAKER
J	JUNCTION BOX, SIZE PER N.E.C.
E	MAKE CONNECTION TO EQUIPMENT FURNISHED BY OWNER OR UNDER ANOTHER DIVISION: CONFORM TO SECTION 260575
	DUPLEX RECEPTACLE, 20A 125V GROUNDING TYPE, SPECIFICATION GRADE, MOUNTED +15" TO BOTTOM, U.N.O.
GF	DUPLEX RECEPTACLE, 20A 125V GROUND FAULT CURRENT INTERRUPTING, SPECIFICATION GRADE, MOUNTED +15" TO BOTTOM, U.N.O.
$T	MOTOR-STARTING TOGGLE SWITCH, 20A 120/277V WITH THERMAL OVERLOAD PROTECTION TO MATCH LOAD SERVED, CONSTRUCTION GRADE
$O	LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED DUAL TECHNOLOGY TYPE WITH AUTOMATIC ADJUSTABLE TIME DELAY, LOAD CONTROL RELAYS AS REQUIRED. APPROX 10' RADIUS COVERAGE AT 8' MOUNTING HEIGHT. APPROX 12' RADIUS COVERAGE AT 9' MOUNTING HEIGHT.
$S	LIGHTING CONTROL OCCUPANCY SENSOR, EXTENDED RANGE, CEILING MOUNTED DUAL TECHNOLOGY TYPE WITH AUTOMATIC ADJUSTABLE TIME DELAY, LOAD CONTROL RELAYS AS REQUIRED. APPROX 20' RADIUS COVERAGE AT 8' MOUNTING HEIGHT. APPROX 28' RADIUS COVERAGE AT 9' MOUNTING HEIGHT.
$D	LIGHTING CONTROL SWITCH, DUAL TECHNOLOGY OCCUPANCY SENSING TYPE, 800/1200W 120/277V MOUNTED +48" TO TOP, U.N.O. 625-2025SF AREA COVERAGE.
$	SWITCH, SINGLE POLE, 20A 120/277V - OR LOW VOLTAGE COMPATIBLE WITH SENSORS AND RELAYS - SPECIFICATION GRADE, MOUNTED +48" TO TOP, U.N.O.
$3	SWITCH, THREE WAY, 20A 120/277V - OR LOW VOLTAGE COMPATIBLE WITH SENSORS AND RELAYS - SPECIFICATION GRADE, MOUNTED +48" TO TOP, U.N.O.
$4	SWITCH, FOUR WAY, 20A 120/277V - OR LOW VOLTAGE COMPATIBLE WITH SENSORS AND RELAYS - SPECIFICATION GRADE, MOUNTED +48" TO TOP, U.N.O.
	PULLBOX, MINIMUM SIZE PER NEC BASED ON No AND SIZE OF CONDUIT(S). SEE ELECTRICAL GENERAL NOTE 13, THIS SHEET
	CONDUIT AND WIRE, SAME WIRE AS INDICATED ON HOME RUN, CONDUIT SIZE DETERMINED BY CONTRACTOR
	HOME RUN TO PANEL, CIRCUIT NO. INDICATED, MIN. 0.75"-2#12,#12GND. U.N.O. COMBINE UP TO THREE 1P15A OR 1P20A CIRCUITS IN ONE HOME RUN USING OPPOSITE PHASE LEGS ONLY; PROVIDE SEPARATE NEUTRAL CONDUCTORS FOR EACH CIRCUIT. PROVIDE HANDLE TIES FOR EXISTING MULTICIRCUIT HOME RUNS THAT HAVE COMMON NEUTRALS
CO	CONDUIT ONLY, WITH PULL WIRE
CT	MOUNTED ABOVE COUNTERTOP BACKSPLASH
GF	GROUND FAULT CURRENT INTERRUPTING
GND	GROUND
HH	HANDHOLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
JB	JUNCTION BOX
LV	LOW VOLTAGE
MDF	MAIN DISTRIBUTION FRAME
TP	TAMPERPROOF
UNO	UNLESS NOTED OTHERWISE
USB	USB CHARGING PORT IN RECEPTACLE
WP	WEATHERPROOF
XFMR	TRANSFORMER

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FIRE ALARM NOTES

SEE DIVISION 28 SPECIFICATIONS FOR EXPANDED REQUIREMENTS.

1. MODIFY AND EXPAND THE EXISTING MANUAL AND AUTOMATIC FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72. TEST FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72 AND LOCAL FIRE DEPARTMENT REQUIREMENTS.
2. SYSTEM SUPPLIER AND INSTALLER: AUTHORIZED ENGINEERED SYSTEMS DISTRIBUTOR FOR SPECIFIED SYSTEM WITH 15 YEARS DOCUMENTED EXPERIENCE AND SERVICE FACILITIES WITHIN 150 MILES OF PROJECT.
3. SUBMITTALS: PROVIDE PRODUCT DATA, CALCULATIONS, AND COMPLETE RISER DIAGRAM AND LAYOUT DRAWINGS SHOWING ALL INTERCONNECT WIRING AND EQUIPMENT.
4. PROVIDE BATTERY CAPACITY SUFFICIENT TO OPERATE SYSTEM IN SUPERVISORY MODE FOR 24 HRS FOLLOWED BY ALARM MODE FOR 5 MINUTES.
5. MANUFACTURER: (EXISTING) JOHNSON CONTROLS
6. FIRE ALARM CONTROL PANEL: EXISTING, MICROPROCESSOR-CONTROLLED, POWER-LIMITED, ELECTRONICALLY-SUPERVISED, ANALOG ADDRESSABLE WITH MULTIPLEXED DATA TRANSMISSION AND SUPERVISORY, ALARM, CONTROL AND ANNUNCIATOR FUNCTIONS, FIELD PROGRAMMABLE AND EXPANDABLE BY MODULES, 80-CHARACTER LCD ALPHANUMERIC DISPLAY. INCLUDES DIGITAL COMMUNICATOR.
7. AUDIBLE-VISIBLE INDICATING APPLIANCE: HIGH PERFORMANCE HORN, 85DBA AT 10' WITH VISIBLE STROBE AND FLASHER, RED LETTERED "FIRE" ON WHITE LENS, SYNCHRONIZING TYPE. CANDELAS NOTED.
8. AUDIBLE INDICATING APPLIANCE: HIGH PERFORMANCE HORN, 85DBA AT 10'.
9. VISUAL INDICATING APPLIANCE: VISIBLE STROBE AND FLASHER, RED LETTERED "FIRE" ON WHITE LENS, CANDELAS NOTED, SYNCHRONIZING TYPE.
10. MANUAL PULL STATION: ADDRESSABLE DOUBLE ACTION TYPE WITH KEY RESET, SEMI-FLUSH MOUNTED.
11. SMOKE DETECTOR: ADDRESSABLE ANALOG PHOTOELECTRIC TYPE WITH TWO LED INDICATORS, TWIST-LOCK BASE.
12. HEAT DETECTOR: ADDRESSABLE COMBINATION FIXED TEMPERATURE/RATE OF RISE COMPENSATED TYPE WITH TWO LED INDICATORS, TWIST-LOCK BASE.
13. DUCT SMOKE DETECTOR: ADDRESSABLE ANALOG PHOTOELECTRIC TYPE WITH SAMPLING TUBES EXTENDING WIDTH OF DUCT, LED INDICATOR, DUCT-MOUNTED HOUSING.
14. MONITOR MODULE: ADDRESSABLE MODULE TO CONNECT A SUPERVISED SIGNALLING LINE CIRCUIT TO NORMALLY-OPEN CONTACTS ON CONVENTIONAL DEVICES; MOUNTS TO 4" SQUARE BOX.
15. CONTROL MODULE: ADDRESSABLE MODULE TO CONNECT A SUPERVISED SIGNALLING LINE CIRCUIT TO NORMALLY-OPEN CONTACTS ON CONVENTIONAL DEVICES; MOUNTS TO 4" SQUARE BOX.
16. LOCKDOWN/POLICE CALL BUTTON: STI #SS24A1LD-EN SERIES W/ LETTERS "POLICE", INCLUDE ADDRESSABLE MONITOR MODULE IN BACKBOX.
17. FIRE ALARM CABLE SHALL BE UL LISTED FOR USE WITH THE SYSTEM INSTALLED. ALL FIRE ALARM CABLE SHALL BE IN IN A DEDICATED CONDUIT SYSTEM. INSTALL CONDUIT AND CABLE PER APPROVED MANUFACTURER'S SHOP DRAWINGS.

FIRE ALARM LEGEND

- MONITOR MODULE CONNECTION TO FIRE SPRINKLER FLOW SWITCH FURNISHED BY OTHERS
- MONITOR MODULE CONNECTION TO FIRE SPRINKLER TAMPER SWITCH FURNISHED BY OTHERS
- SMOKE DETECTOR, CEILING MOUNTED
- [P] MANUAL PULL STATION, MOUNTED +48" TO TOP
- [H] HEAT DETECTOR, CEILING MOUNTED
- [DS] DUCT SMOKE DETECTOR, DUCT MOUNTED
- [L] LOCKDOWN/POLICE CALL BUTTON, MOUNTED +48" TO TOP
- AUDIBLE INDICATING APPLIANCE, WALL MOUNTED
- VISIBLE INDICATING APPLIANCE, MOUNTED AT +80", OR AT 6" BELOW CEILING, WHICHEVER IS LOWER
- AUDIBLE & VISIBLE INDICATING APPLIANCE, MOUNTED AT +80", OR AT 6" BELOW CEILING, WHICHEVER IS LOWER
- AUDIBLE INDICATING APPLIANCE, CEILING MOUNTED
- VISIBLE INDICATING APPLIANCE, CEILING MOUNTED
- AUDIBLE & VISIBLE INDICATING APPLIANCE, CEILING MOUNTED
- [M][C] MONITOR OR CONTROL MODULE
- [DH] MONITOR MODULE CONNECTION TO DOOR HARDWARE FURNISHED BY OTHERS
- [D] CONNECTION TO SMOKE DAMPER FURNISHED BY OTHERS VIA CONTROL RELAY. PROVIDE 120VAC POWER FROM NEAREST UNSWITCHED 1P20A BRANCH CIRCUIT

SECURITY CABLING NOTES

1. MAINTAIN EXISTING SECURITY SYSTEMS IN OPERATION. REMOVE AND REINSTALL DEVICES AS REQUIRED BY REMODEL WORK. PRESERVE, RE-ROUTE OR REPLACE CABLING AS REQUIRED BY REMODEL WORK.

SECURITY LEGEND

- SECURITY CAMERA, CEILING OR WALL MOUNTED WITH (1) CAT 6 TYPE CMP CABLE TO IDF.

INTERCOM/PA CABLING NOTES

1. MAINTAIN INTERCOM/PA SYSTEM IN OPERATION. REMOVE AND REINSTALL DEVICES AS REQUIRED BY REMODEL WORK. PRESERVE, RE-ROUTE OR REPLACE EXISTING CABLING AS REQUIRED BY REMODEL WORK.

INTERCOM/PA LEGEND

- [W] PA SPEAKER, EXISTING, WALL MOUNTED WITH (1) CAT 5e TYPE CMP CABLE TO INTERCOM/PA EQUIPMENT.

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Revisions

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Sheet No
E0.02

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LIGHTING NOTES

SEE DIVISION 26 SPECIFICATIONS FOR EXPANDED REQUIREMENTS

1. SUFFIX "E" = PROVIDE EMERGENCY BATTERY POWER SUPPLY. UNITS SHALL PROVIDE 1,400 INITIAL LUMENS AND OPERATE FOR 90 MINUTES.
2. PROVIDE UNSWITCHED HOT LEG TO ALL FIXTURES WITH EMERGENCY BATTERY POWER SUPPLIES.
3. ALL EXIT LIGHTS ARE TO BE UNSWITCHED.
4. THE GENERIC CATALOG NUMBERS GIVEN FOR LUMINAIRES MAY NOT INCLUDE ALL THE OPTIONS IN THE DESCRIPTION. ORDER LUMINAIRES BASED ON THE DESCRIPTION GIVEN IN ADDITION TO THE CATALOG NUMBERS. CONFIRM THE TYPE OF CEILING BEING INSTALLED PRIOR TO ORDERING LUMINAIRE TRIMS. IMPROPER ORDERING OF LUMINAIRE TRIMS SHALL NOT BE CONSIDERED REASON FOR EXTRA COST.
5. ALL LUMINAIRES SHALL BE UL LISTED FOR THEIR INTENDED APPLICATION
6. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR LIGHTING LAYOUT DIMENSIONS, MOUNTING HEIGHTS, AND ADDITIONAL NOTES.
7. ALL LUMINAIRES MUST BE LISTED/APPROVED BY ENERGY TRUST OF OREGON. INCLUDE DOCUMENTATION OF LISTING WITH PRODUCT DATA SUBMITTALS.

CONTROL NOTES

SEE DIVISION 26 SPECIFICATIONS FOR EXPANDED REQUIREMENTS

1. EXISTING EXTERIOR BUILDING AND PARKING LIGHTING, CIRCUITS AND CONTROLS ARE NOT MODIFIED.
2. EXISTING INTERIOR LIGHTING CIRCUITS AND CONTROLS ARE MODIFIED, AS PART OF INTERIOR REMODEL WORK, AS INDICATED.
3. NEW INTERIOR LIGHTING CONTROLS: ACUITY nLIGHT, SENSORSWITCH (BASIS OF DESIGN): PROVIDE MANUAL AND AUTOMATIC CONTROL OF LIGHTING FOR INDIVIDUAL SPACES AS INDICATED ON PLANS, U.N.O., AS FOLLOWS:
4. SMALL SPACES: MANUAL ON/OFF AND AUTOMATIC SHUTOFF OF ROOM LIGHTS WITH WALL-MOUNTED SWITCH/OCCUPANCY SENSOR.
5. LARGE SPACES: MANUAL ON/OFF AND AUTOMATIC SHUTOFF OF ROOM LIGHTS WITH MANUAL SWITCHES AND/OR DIMMERS, CEILING-MOUNTED OCCUPANCY SENSOR(S) AND LOAD CONTROL RELAYS.
6. LOBBIES, CORRIDORS, RESTROOMS, STAIRWELLS: MANUAL AND AUTOMATIC ON/OFF CONTROL OF AREA LIGHTS WITH CEILING OR WALL-MOUNTED OCCUPANCY SENSOR(S) AND LOAD CONTROL RELAYS. LIGHTING WILL TURN ON AUTOMATICALLY WHEN SPACE IS OCCUPIED. MANUAL CONTROLS MAY BE LOCATED REMOTELY; CONFIRM LOCATION OF MANUAL CONTROLS WITH OWNER PRIOR TO ROUGH-IN.
7. LOW-VOLTAGE RELAYS, 0-10V WIRES AND NETWORK CABLE FOR SENSORS AND CONTROLLERS ARE NOT SHOWN. PROVIDE RELAYS AND WIRING AS REQUIRED TO SUPPORT FUNCTION DESCRIBED. INCLUDE LOW-VOLTAGE AND LINE-VOLTAGE WIRING DIAGRAMS FOR EACH SPACE OR SPACE TYPE IN SHOP DRAWING SUBMITTALS.
8. USE MULTIPLE SENSORS TO COVER ZONES EXCEEDING INDIVIDUAL SENSOR RANGES AS SHOWN.
9. SEE LEGEND SHEET E001 FOR ADDITIONAL INFORMATION ON SENSORS AND CONTROLLERS.
10. SUBMITTALS: PROVIDE PRODUCT DATA, COMPLETE SYSTEM DIAGRAM AND LAYOUT DRAWINGS SHOWING ALL INTERCONNECT WIRING AND EQUIPMENT.
11. RECORD DOCUMENTS, VERIFICATION AND TESTING AND REPORTS: CONFORM TO ASHRAE 90.1 2019.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LAMPS	VOLTS	WATTS
D1	6" DIA x 0.5"D LED EDGE LIT ROUND DOWNLIGHT WITH STEEL HOUSING, SATIN WHITE LENS, UL WET LOCATION RAB # WFRL-6-R-14-9FA-D-W-S OR APPROVED EQUAL	RECESSED CEILING	LED 1,270 LUMENS 3,500K 90CRI	120/277 MULTI	14
R1	2' x 2' x 2.38"D LED EDGE LIT FLAT PANEL TROFFER WITH STEEL HOUSING, SATIN WHITE LENS, 0-10V DIMMING, UL DAMP LOCATION LITHONIA # EPANL-2x2-3400LM-80CRI-35K-ZT-MVOLT PROVIDE # DGA22 ADAPTER KIT FOR GYPBOARD CEILING COLUMBIA, LIGHTOLIER, METALUX, HE WILLIAMS	RECESSED CEILING	LED 3,428 LUMENS 3,500K 82CRI	120/277 MULTI	30
S1	4' x 2.62"W x 2.22"D LED STRIP WITH STEEL HOUSING, SNAP-ON FROSTED DIFFUSER, SWITCHABLE OUTPUT, 0-10V DIMMING DRIVER, UL DAMP LOCATION LITHONIA # CSS-L48-AL03(4000LUM)-MVOLT-35K-80CRI COLUMBIA, LIGHTOLIER, METALUX, HE WILLIAMS	SURFACE OR PENDANT CEILING	LED 4,732 LUMENS 3,500K 80CRI	120/277 MULTI	36.2
W1	4' x 5.5" x 3.5""D LED LOW PROFILE WRAPAROUND W/ DIE-FORMED ALUMINUM HOUSING, CURVED SMOOTH ACRYLIC LENS, 0-10V DIMMING DRIVER, UL DAMP LOCATION LITHONIA # BLWP4-30L-ADSM-MVOLT-GZ10-LP835 COLUMBIA, LIGHTOLIER, METALUX, HE WILLIAMS	SURFACE WALL ABOVE SINK OR AT +7'	LED 3,065 LUMENS 3,500K 80CRI	120/277 MULTI	25

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Project
MEDFORD SCHOOL DISTRICT
NMHS - HUMANITIES RESTROOM
1900 Keene Way Dr, Medford, OR

Consultant
Douglas Engineering Pacific Inc.
415 Williamson Way, Suite 7
Ashland OR 97520
541-482-3938
808-528-4228
www.douglasengineering.com

Revisions

No.	Description	Date

Date	05/17/2024
Job No.	24-008
Drawn By	MKH
Checked By	DAB

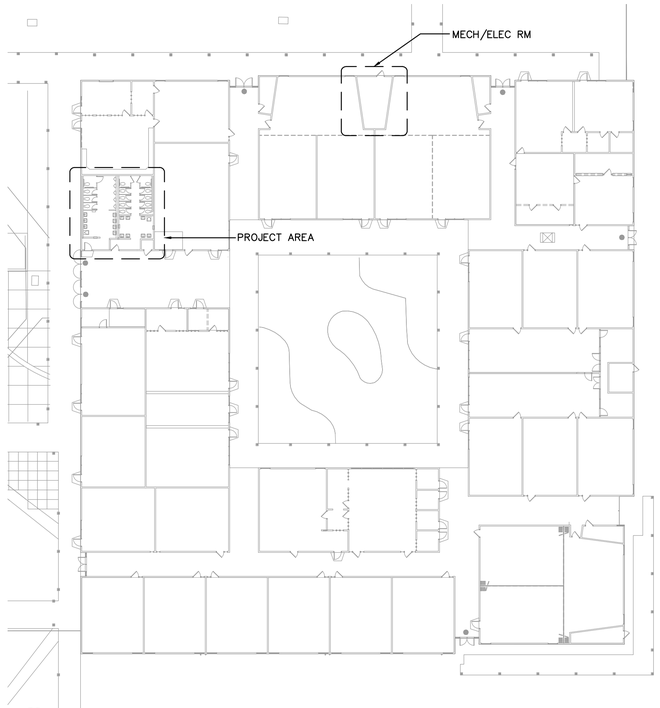
100%CD

Date
05/17/2024

Project Number
24-008

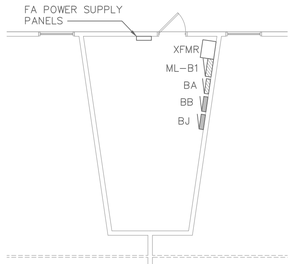
Drawing Title
Lighting and Control Notes, Luminaire Schedule

Sheet No
E0.03

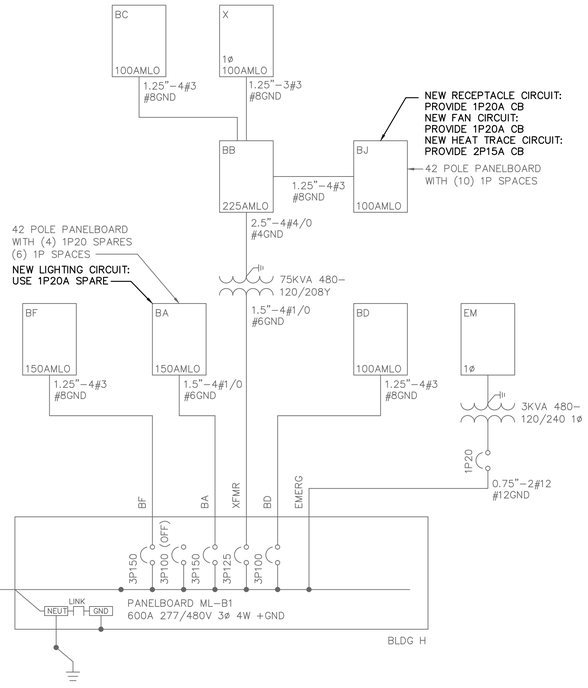


2 E0.04 **BUILDING H PLAN**
1" = 30'-0"

1"=30'-0" 30' 15' 0 30' 60' scale feet

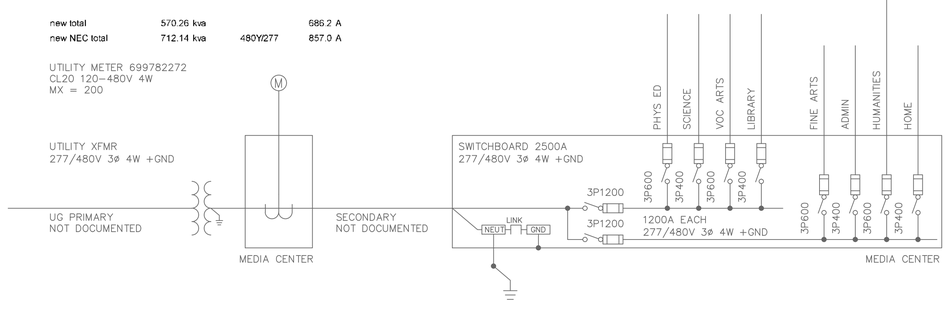


3 E0.04 **MECH/ELEC RM**
1/8" = 1'-0"



utility meter #699782272 demand load history 10/07/2022-10/07/2023

average demand	407.50 kw		
peak demand	454.00 kw		
0.8 pf	567.50 kva	480Y/277	682.9 A
125%	709.38 kva		853.6 A
removed load	2.10 kva		2.5 A
added load	2.76 kva		3.3 A
net add	0.66 kva	480Y/277	0.8 A
new total	570.26 kva		686.2 A
new NEC total	712.14 kva	480Y/277	857.0 A



1 E0.04 **POWER 1-LINE DIAGRAM - EXISTING**
SCHEMATIC

NEW WORK
EXISTING OR DESCRIBED ELSEWHERE IN THESE DOCUMENTS
EXISTING TO BE REMOVED

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426 a street
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tel.: 541.591.9988

REGISTERED PROFESSIONAL ENGINEER
OREGON
JULY 20, 1993
DOUGLAS A. BUHR
EXPIRES: 12-31-25

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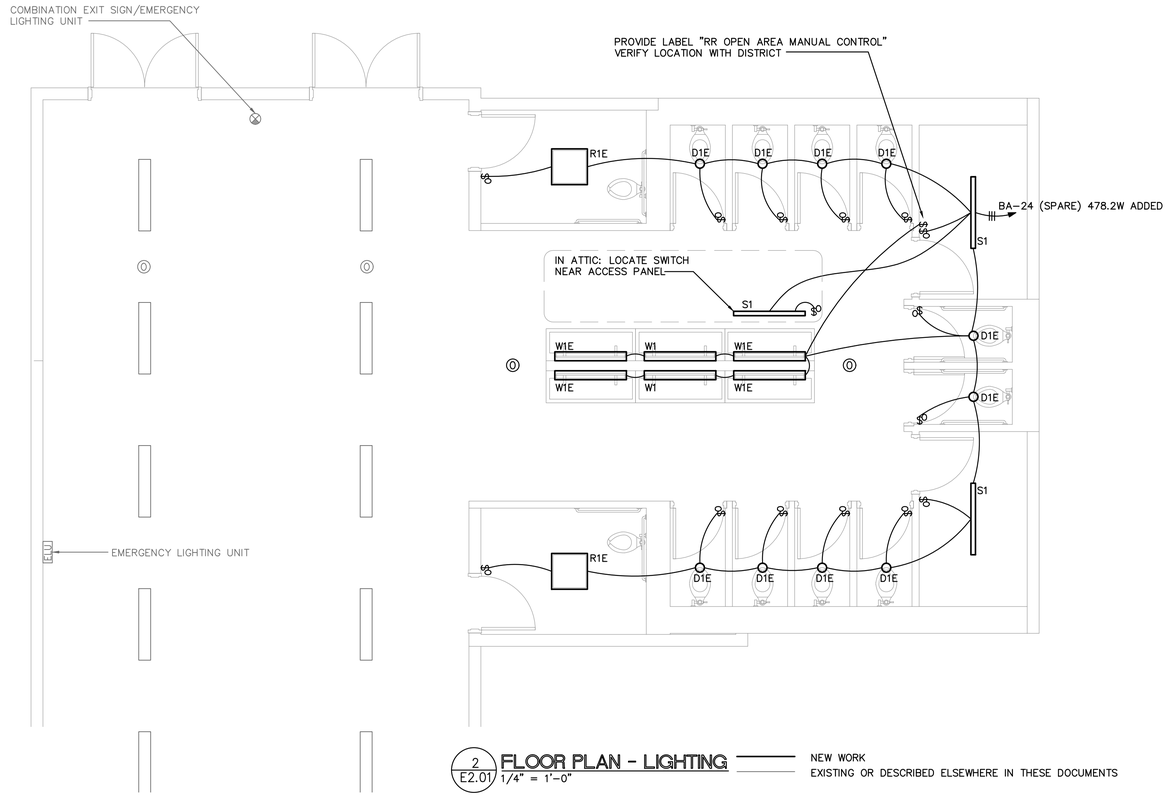
Drawing Title
Power 1-Line Diagram

Sheet No
E0.04

Drawing name: C:\Douglas Engineering Pacific, Inc\Projects - 2024\24503 NMHS Humanities RR Remodel\24503 e-diagrams.dwg, Jun 06, 2024 - 2:33pm



2 E2.01 **FLOOR PLAN - LIGHTING** 1/4" = 1'-0"

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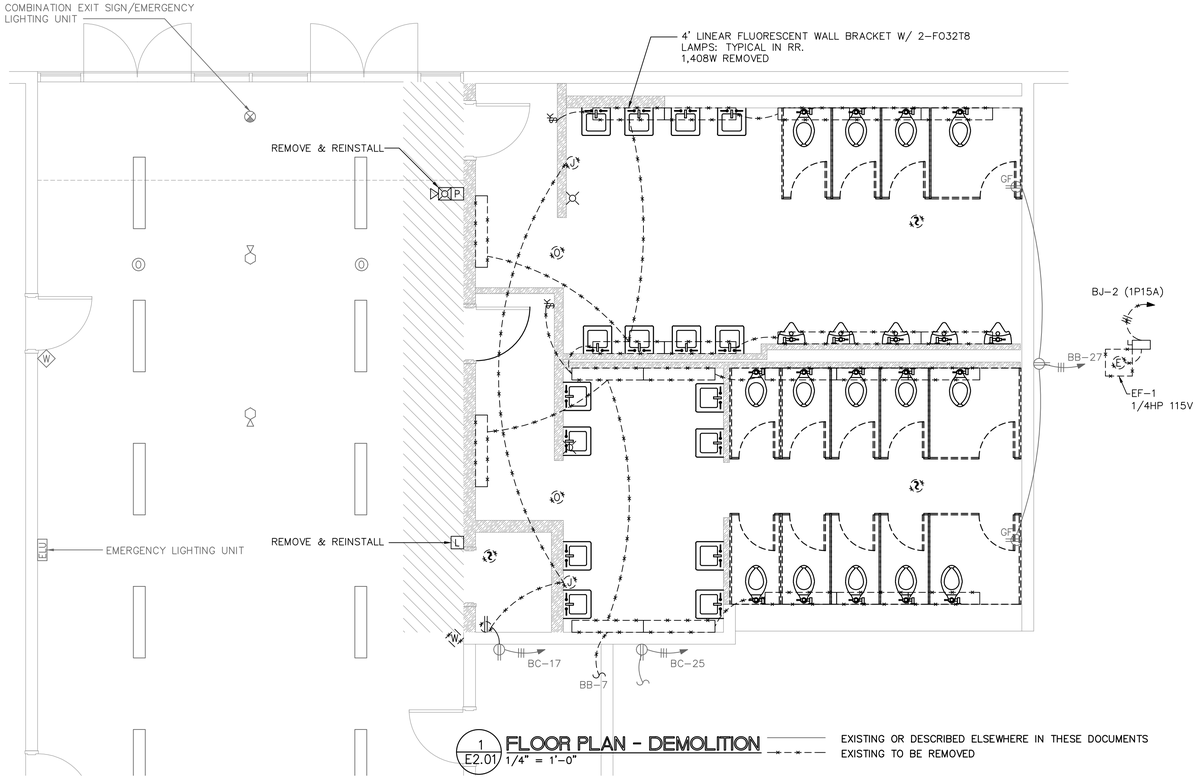

1 E2.01 **FLOOR PLAN - DEMOLITION** 1/4" = 1'-0"

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1/4"=1'-0" scale 2' 0 2' 4' 6' 8' 10' feet

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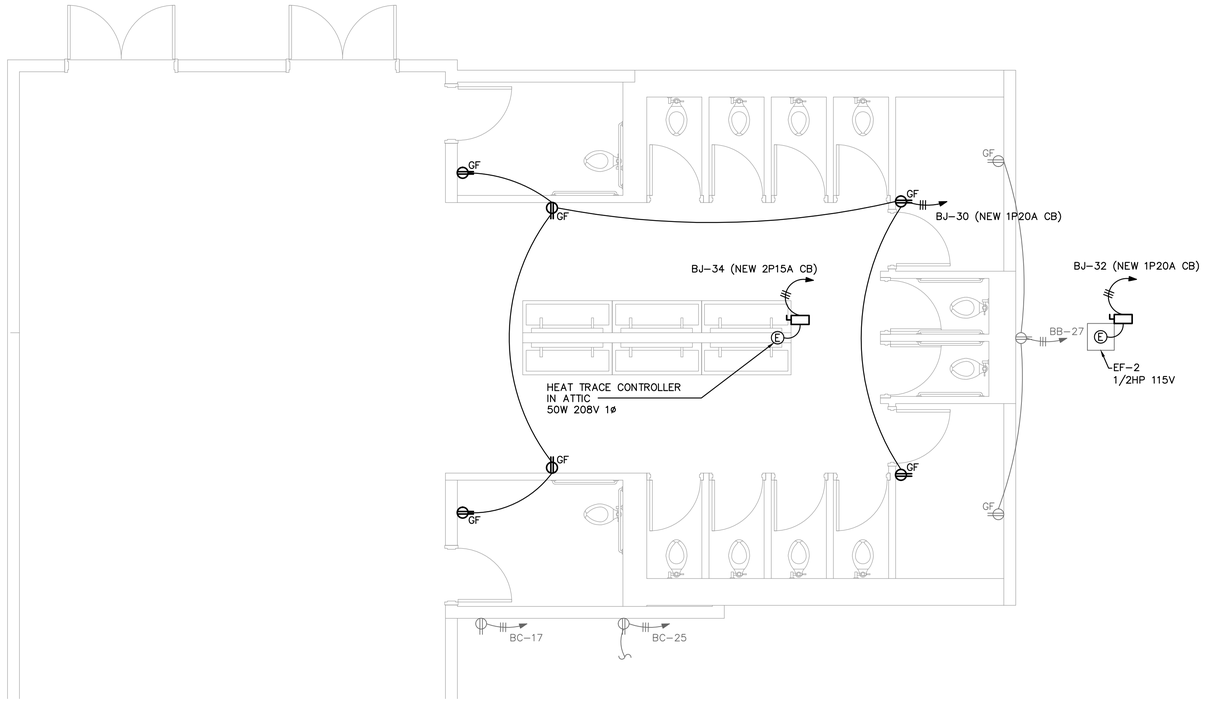
Drawing Title
Floor Plans

Sheet No
E2.01



3 / E2.01 **FLOOR PLAN - POWER**
1/4" = 1'-0"

NEW WORK
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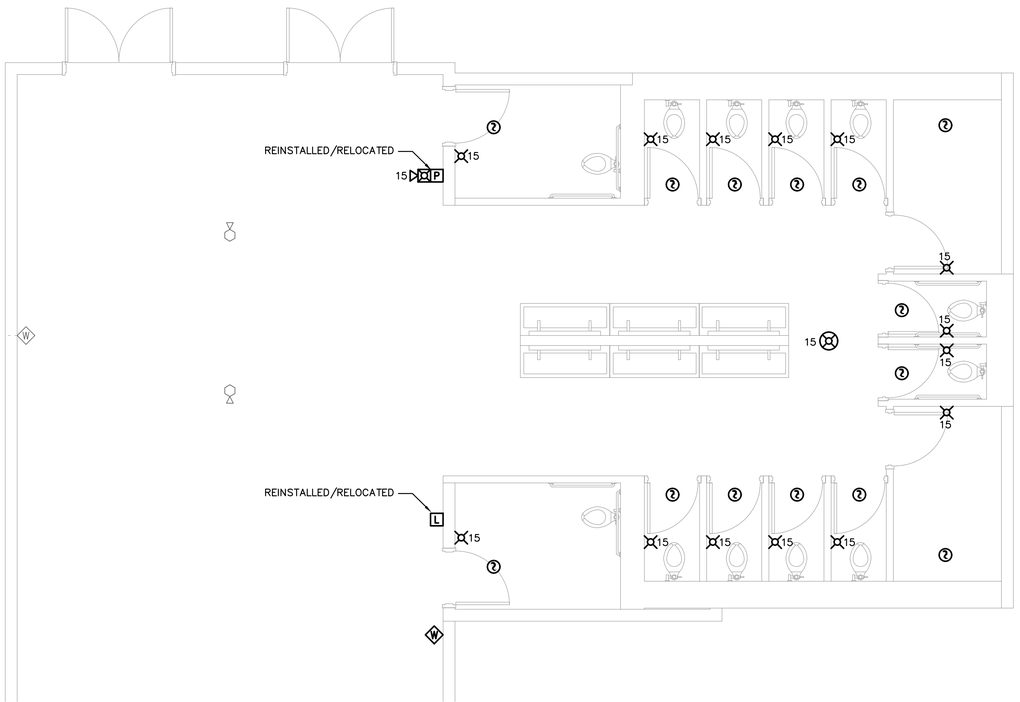

4 / E2.01 **FLOOR PLAN - COM/FA/SEC**
1/4" = 1'-0"

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Floor Plans

Sheet No
E2.02