

MARSHFIELD HIGH SCHOOL - RESTROOM REMODEL

COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE
COOS BAY, OR 97420

BID SCHEDULE A



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



PROJECT NO.: 24-072
24.072 - MHS RESTROOM REMODELS
COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420
BID SCHEDULE A

CONSTRUCTION

REVISIONS:		
#	DATE	DESCRIPTION

DATE: MAY 2025

SHEET TITLE:
COVER SHEET

G0.0

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NOTE: DIMENSIONS VARY BASED ON PROJECT & CODE REQUIREMENTS. SEE ANSI A117.1 FOR SPECIFICS

ADA T-SHAPED & TURNING CIRCLES:
MAY OVERLAP ALL CLEARANCES, AND
MAY PARTIALLY OVERLAP FIXTURES
WITH KNEE & TOE CLEARANCE

DOOR MANEUVERING CLEARANCES:
MAY OVERLAP ALL CLEARANCES,
BUT NOT FIXTURES

CLEAR FLOOR SPACE AT FIXTURES:
MAY OVERLAP ALL CLEARANCES,
BUT NOT OTHER FIXTURES

ADA KEY
N.T.S.

LEGEND / ABBREVIATIONS

NOTE: LEGEND FOR ARCHITECTURAL SHEETS ONLY

	TO BE DEMOLISHED
	EXISTING TO REMAIN
	2x4 WOOD STUD WALL w/ 5/8" GYP. BD. UNO

CG	CORNER GUARD
2-CG	DOUBLE CORNER GUARD
FD	FLOOR DRAIN
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
w/	WITH
o/	OVER
x	BY
(E)	EXISTING
CONC	CONCRETE
GYP BD	GYP SUM BOARD
ACT	ACOUSTICAL CEILING TILE
MS	METAL STUD
SAMF	SELF ADHERED MEMBRANE FLASHING
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER
OF CI	OWNER FURNISHED, CONTRACTOR INSTALLED
MANUF	MANUFACTURER
PLAM	PLASTIC LAMINATE

PROJECT TEAM

OWNER
COOS BAY SCHOOL DISTRICT
1255 HEMLOCK AVE
COOS BAY, OR 97420
PHONE: (541) 267-3104
CONTACT: LOMA LANEY

ARCHITECT
HGE ARCHITECTS, INC.
333 S 4TH ST
COOS BAY, OR 97420
PHONE: (541) 269-1166
CONTACT: JOE SLACK

MECHANICAL & PLUMBING
MFIA, INC. CONSULTING ENGINEERS
2007 SE ASH ST
PORTLAND, OR 97214
PHONE: (503) 234-0548
CONTACT: TAKAKO BAKER

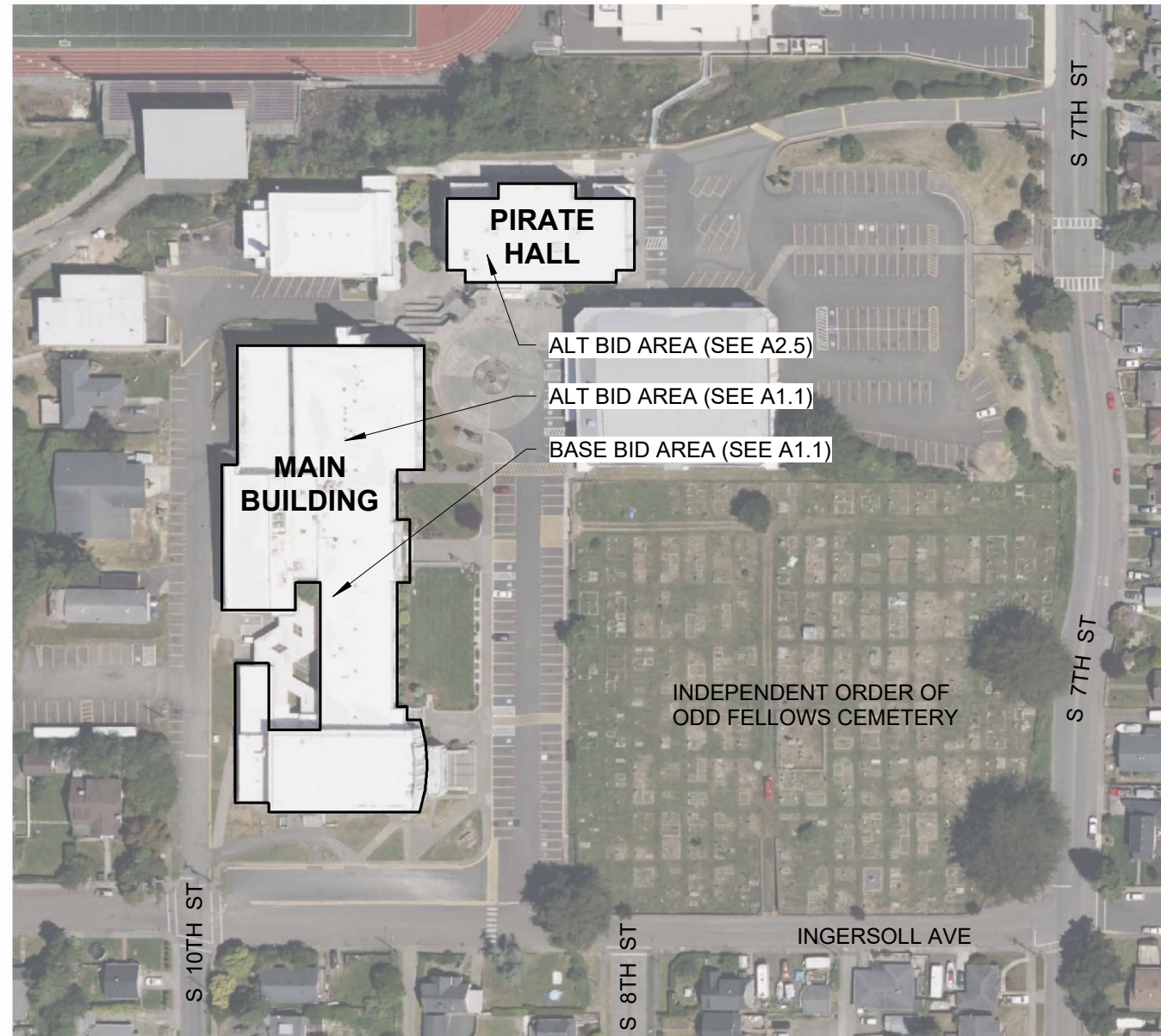
ELECTRICAL
DOUBLE E ENGINEERING
315 ASH ST.
MYRTLE POINT, OR 97458
PHONE: (541) 294-0587
CONTACT: GREG PRIDE

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VICINITY MAP
N.T.S.



SITE MAP
N.T.S.

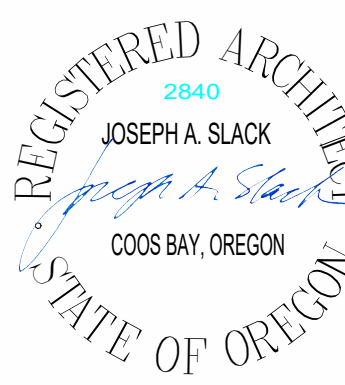
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MAIN RESTROOM

BASE BID



333 S. 4TH STREET
COOS BAY, OR 97420
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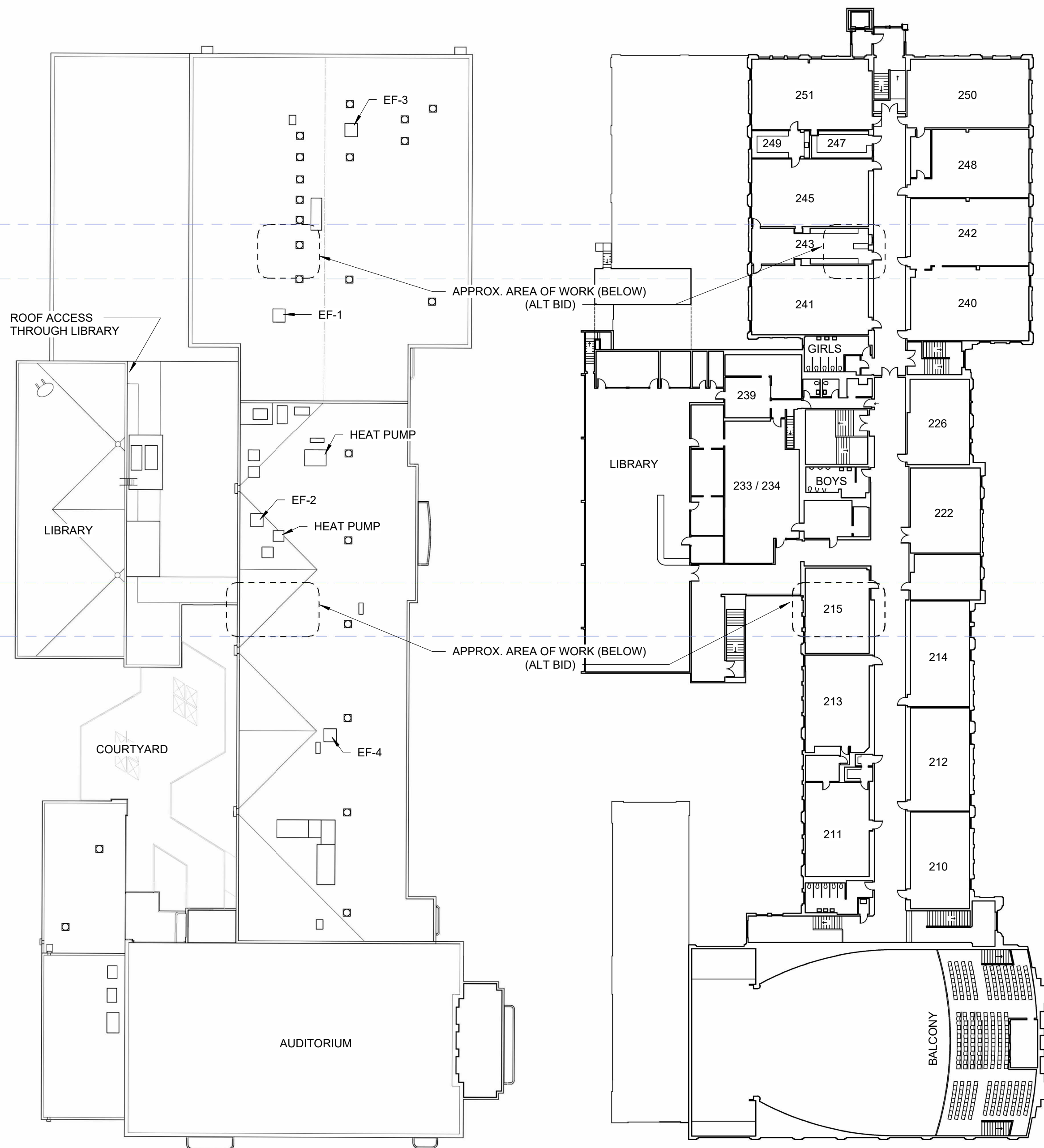
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DATE DESCRIPTION

DATE: MAY 2025

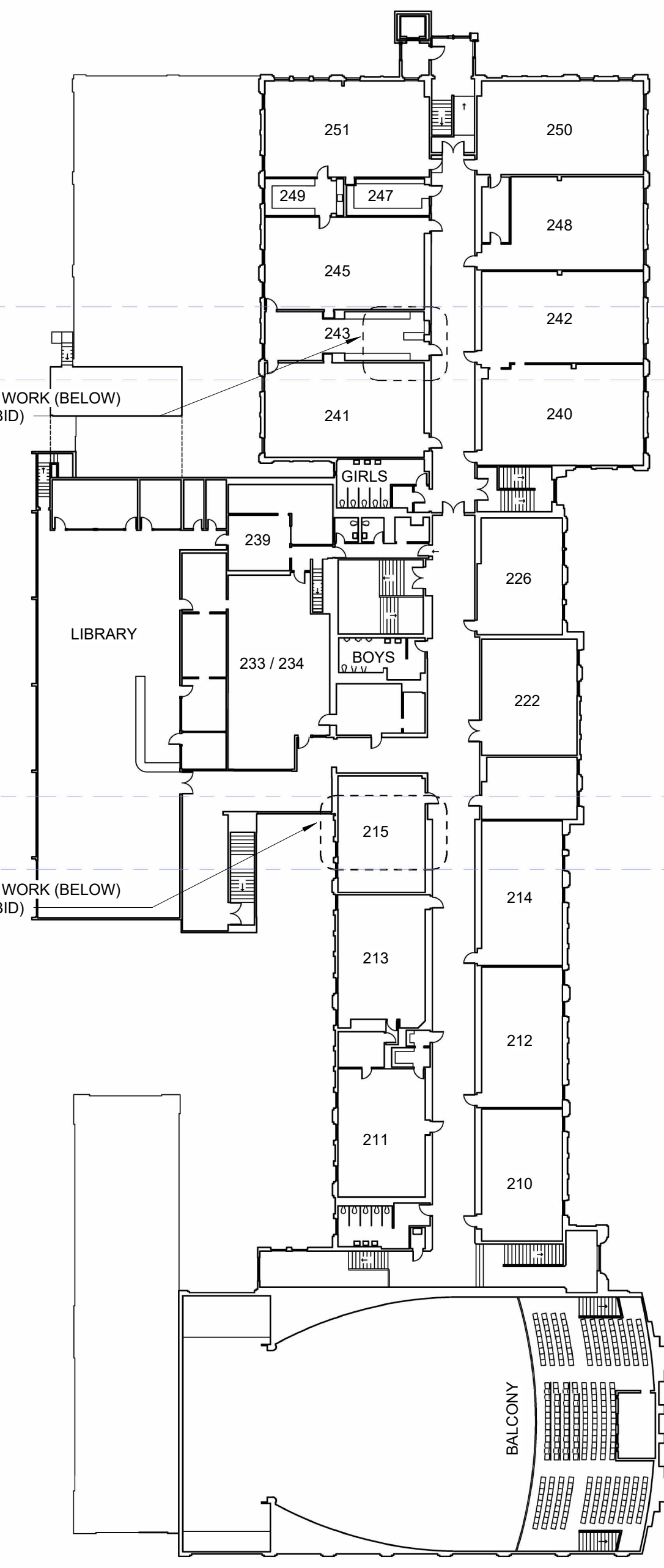
SHEET TITLE:
OVERALL FLOOR
PLANS - MAIN
BUILDING

A1.1

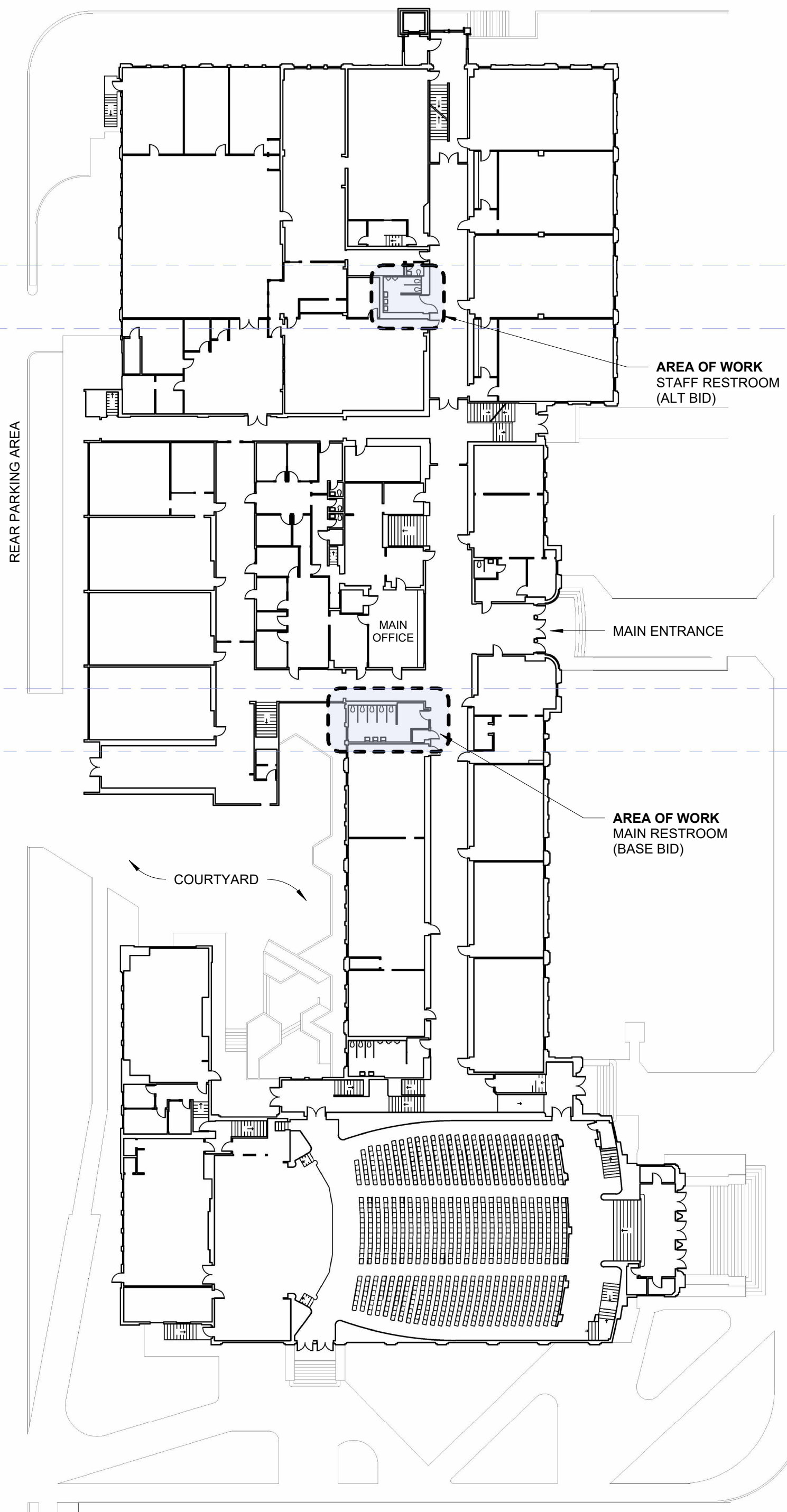
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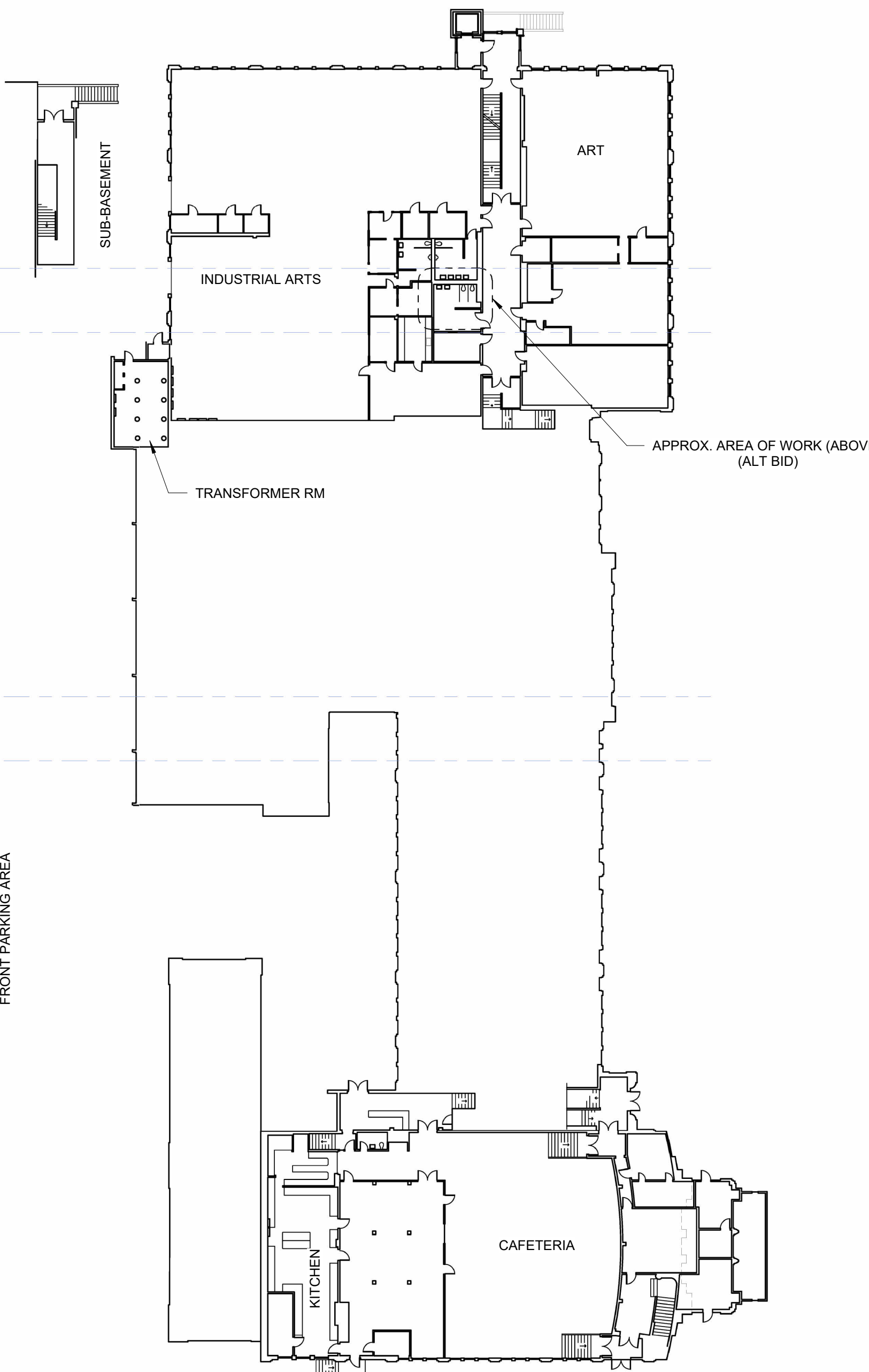
4 MAIN BUILDING - ROOF PLAN
1/32" = 1'-0"



3 MAIN BUILDING - UPPER FLOOR
1/32" = 1'-0"



2 MAIN BUILDING - MAIN FLOOR
1/32" = 1'-0"



1 MAIN BUILDING - LOWER FLOOR
1/32" = 1'-0"

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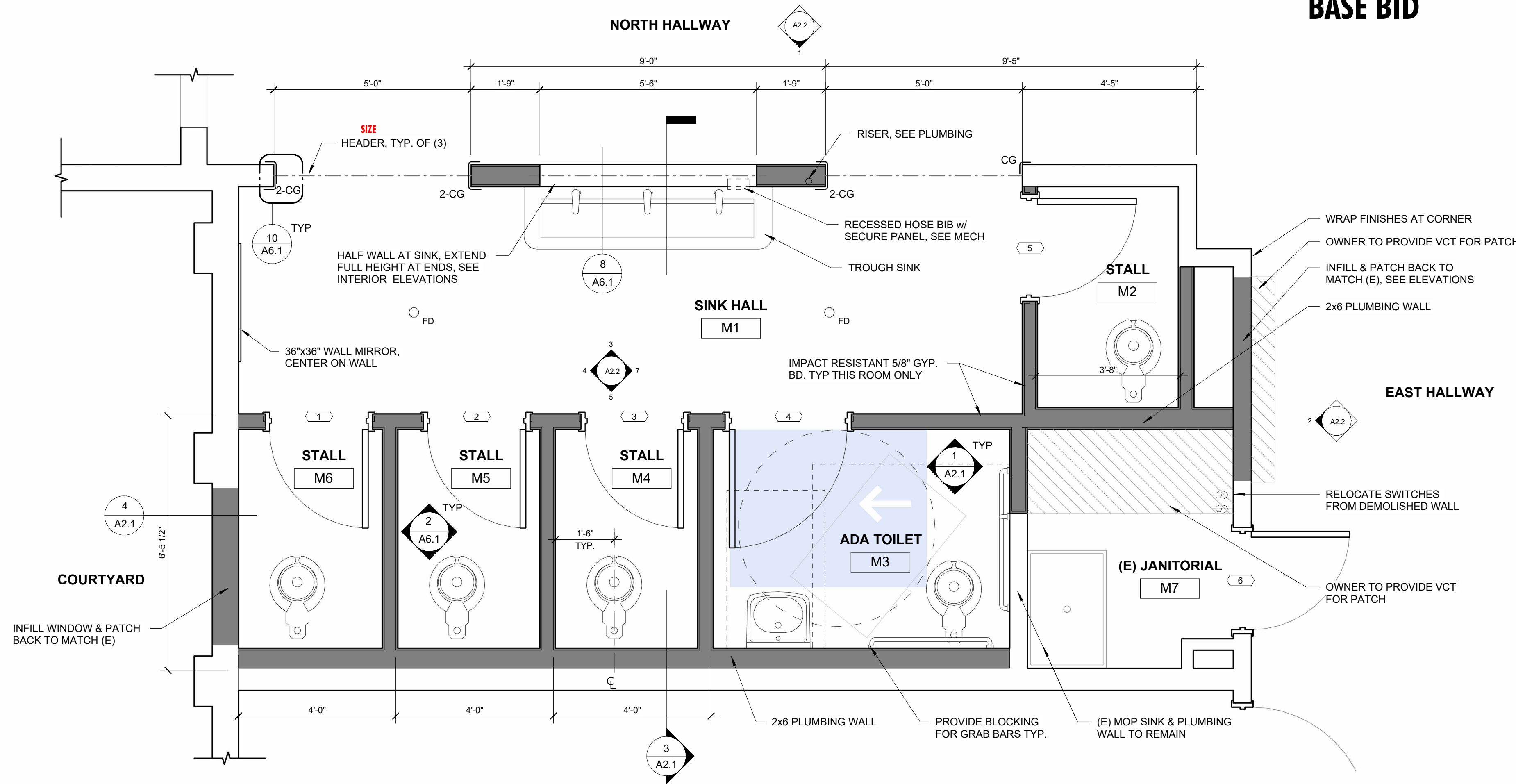
REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

SHEET TITLE:
MAIN RESTROOM -
DEMO & FLOOR
PLAN

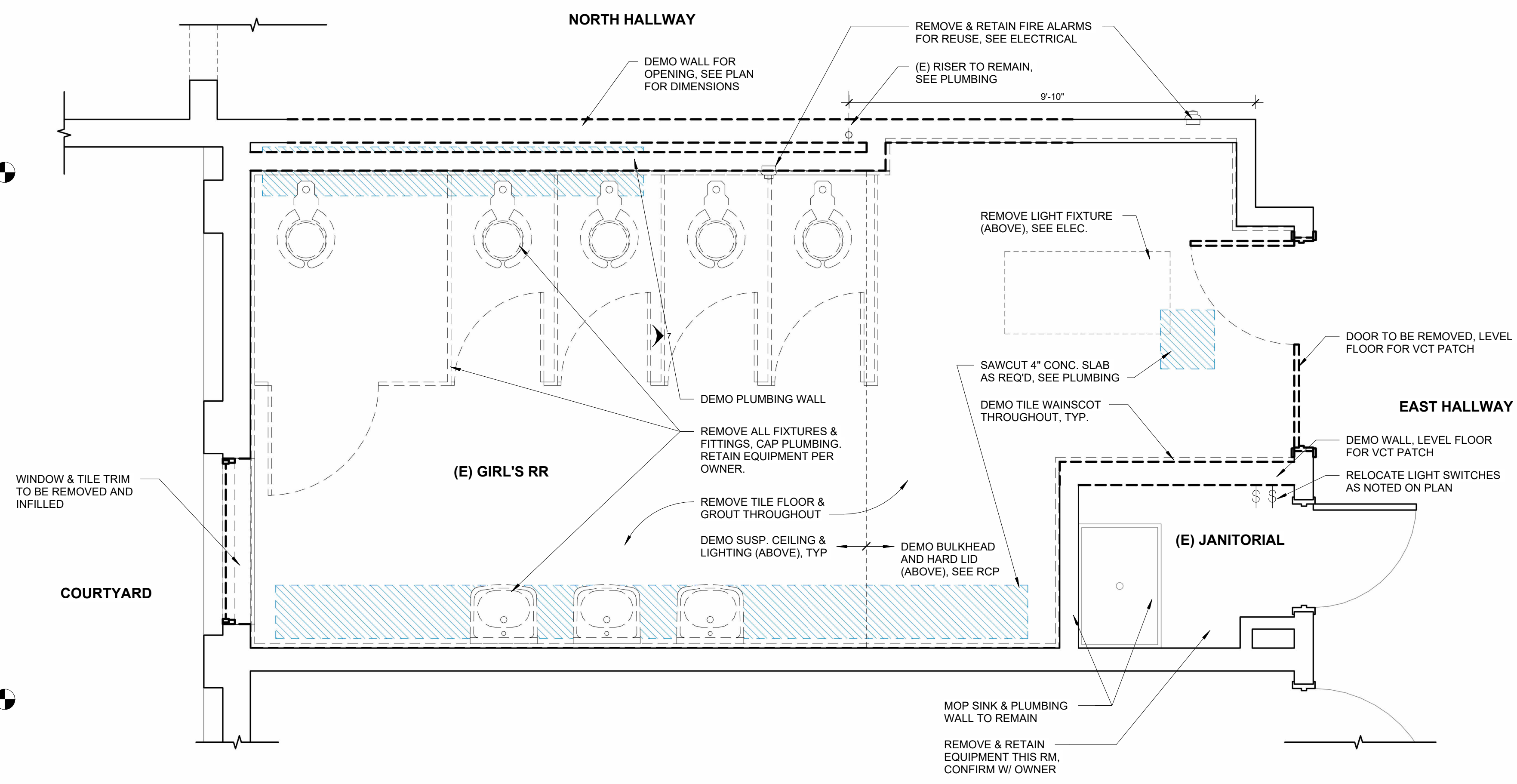
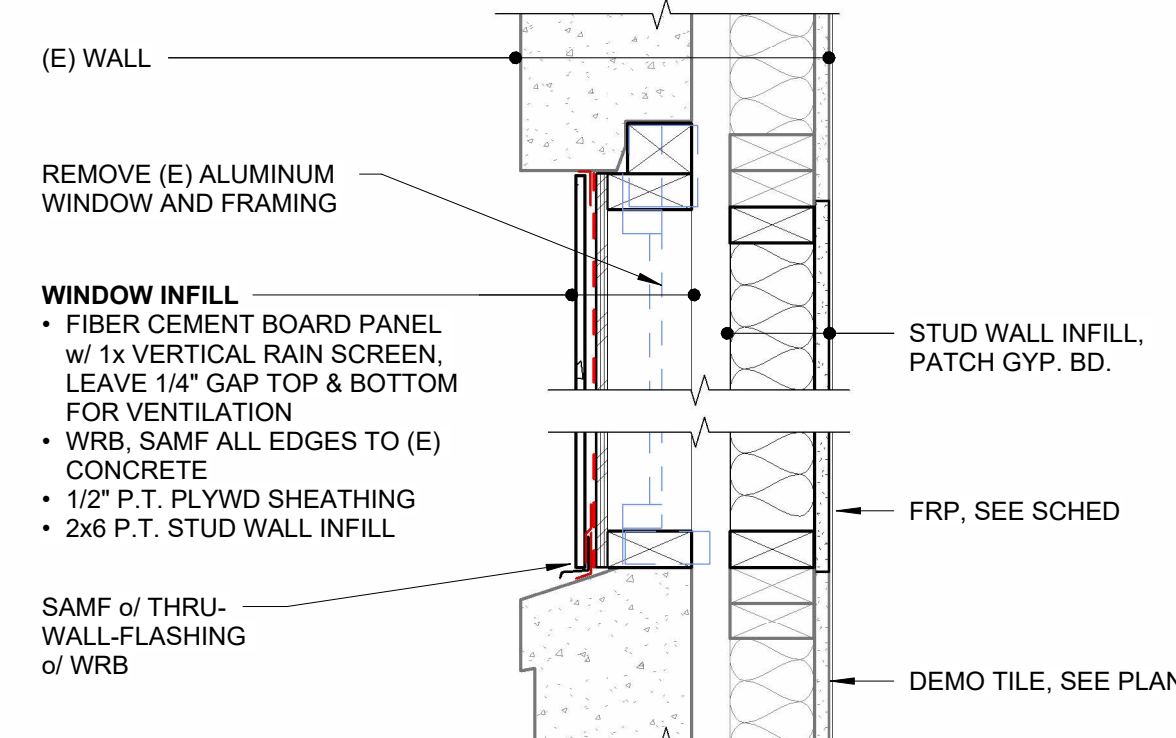
A2.1

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2 MAIN BUILDING - RESTROOM PLAN
1/2" = 1'-0"

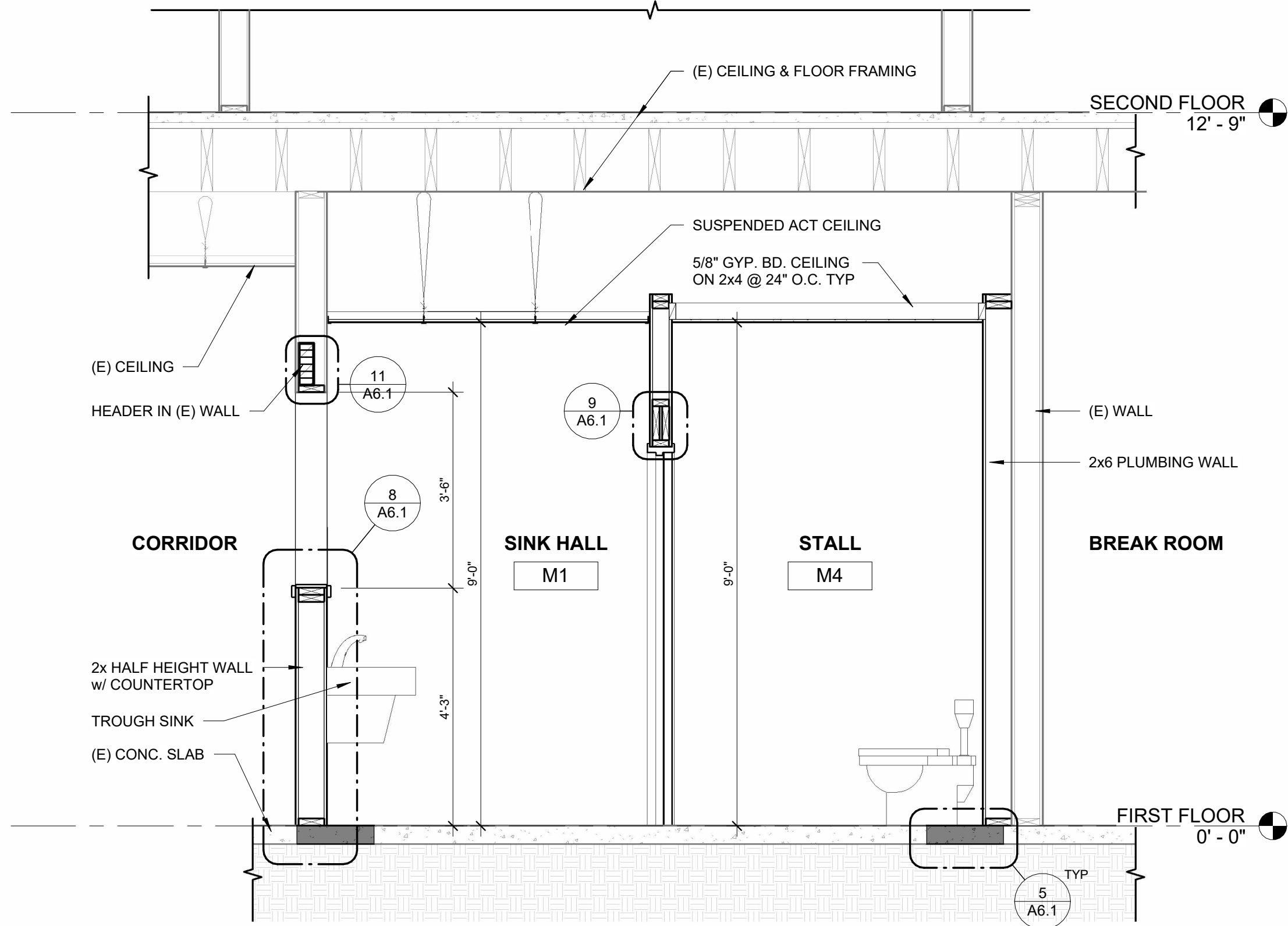
4 MAIN RESTROOM - WINDOW INFILL
1 1/2" = 1'-0" JAMB SIM.



1 MAIN BUILDING - DEMO PLAN
1/2" = 1'-0"

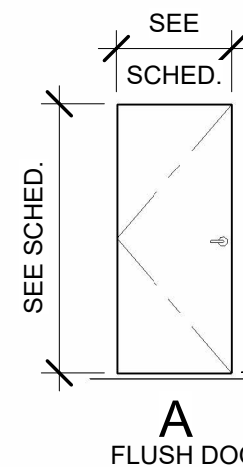
NOTE: SAWCUT SLAB AS REQ'D FOR DEMO AND NEW WORK.
SEE PLUMBING PLAN. PATCH BACK SLAB, DOWEL INTO EXISTING

3 MAIN RESTROOM - N/S SECTION
1/2" = 1'-0"



MAIN RESTROOM

BASE BID



NOTE: STALL DOORS
TO BE UNDERCUT 3/4"
FOR VENTILATION, TYP.

DOOR SCHEDULE - MAIN RESTROOM								
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	RATING	NOTES
1	STALL	2' - 6" X 6' - 8"	28	WD	HM	HW-05		
2	STALL	2' - 6" X 6' - 8"	28	WD	HM	HW-05		
3	SINK HALL	2' - 6" X 6' - 8"	28	WD	HM	HW-05		
4	ADA TOILET	3' - 0" X 6' - 8"	8	WD	HM	HW-05		
5	STALL	2' - 6" X 6' - 8"	28	WD	HM	HW-05		
6	(E) JANITORIAL	2' - 6" X 6' - 8"	28	-	-	-		EXISTING TO REMAIN

ROOM FINISH SCHEDULE									
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	NOTES
SINK HALL	M1	VCT	RBR	GYP. BD / LEP / FRPF	GYP. BD / LEP / FRP	GYP. BD / LEP / FRP	GYP. BD / LEP	SUS ACT	IMPACT RESISTANT GYP. BD.
STALL	M2	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP. BD / LEP	
ADA TOILET	M3	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP. BD / LEP	
STALL	M4	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP. BD / LEP	
STALL	M5	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP. BD / LEP	
STALL	M6	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP. BD / LEP	
(E) JANITORIAL	M7	MATCH (E)	RBR	GYP. BD / LEP	GYP. BD / LEP	GYP. BD / LEP	GYP. BD / LEP	GYP. BD / LEP	PATCH (E)

NOTE: SEE A5.1 FOR TYPICAL
STALL ELEVATIONS & FINISHES

FINISH ABBREVIATIONS

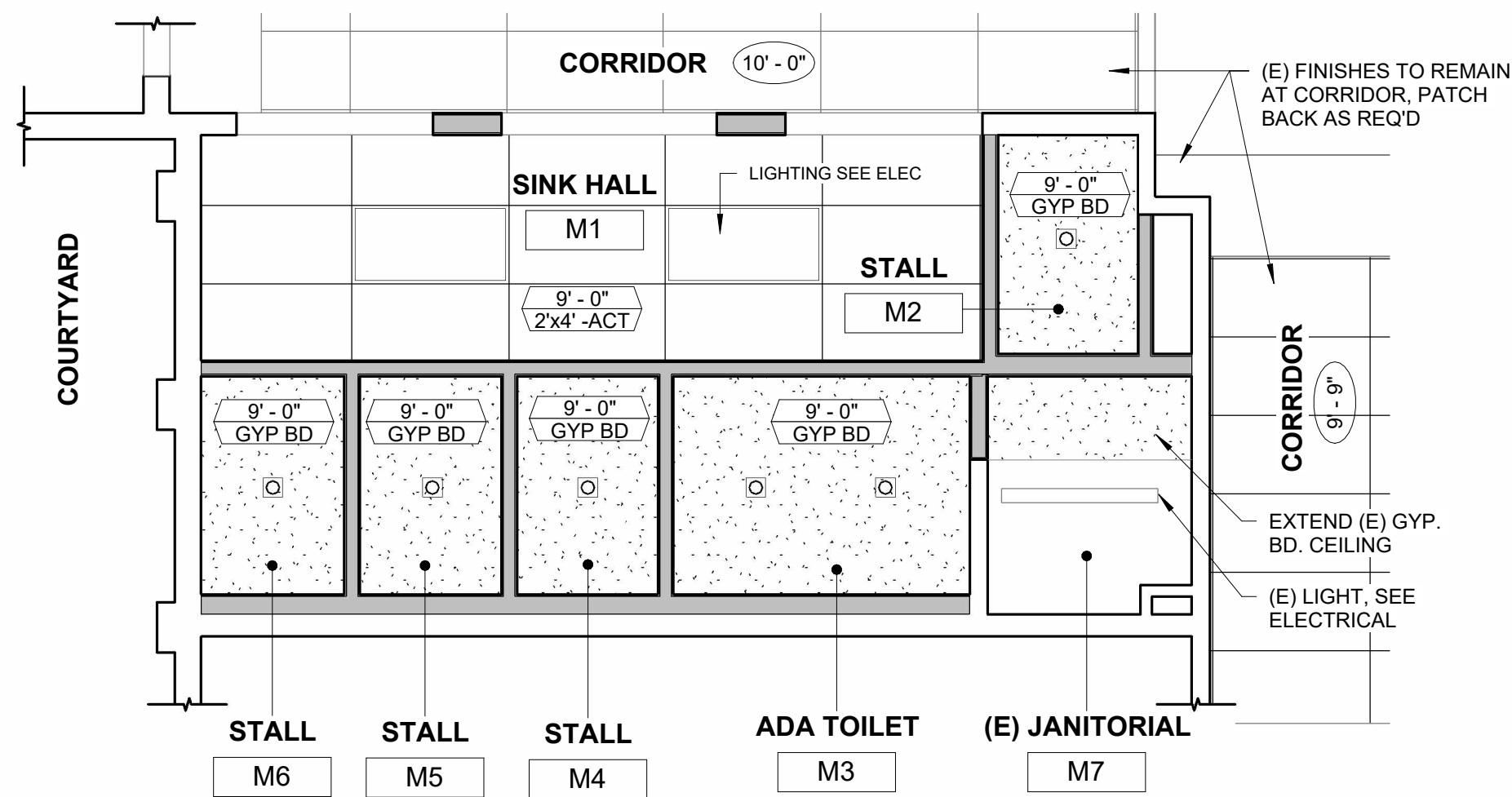
LEP	LATEX ENAMEL PAINT
TILE	PORCELAIN/CERAMIC/QUARRY TILE
CPT	CARPET
WOT	WALK-OFF CARPET TILE
RES	RESILIENT SHEET FLOORING
LVT	RESILIENT TILE (LUXURY VINYL TILE)
RBR	RESILIENT BASE, RUBBER
WD	WOOD
COVE	COVE BASE
SUS. AC.	SUSPENDED ACOUSTICAL CEILING
GYP BD	GYP. BOARD
WP	WALL PROTECTION
FRP	FIBERGLASS REINFORCED PANEL
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER

GENERAL NOTES - RCP

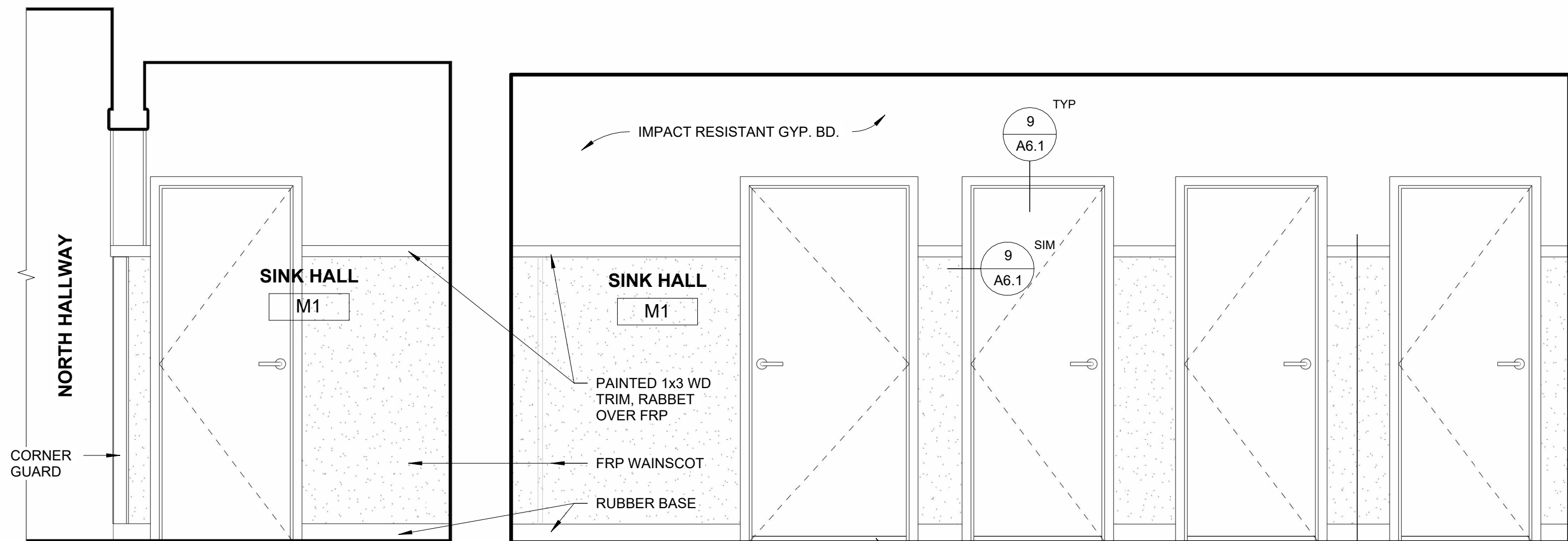
- SEE MECHANICAL, ELECTRICAL, AND PLUMBING DIAGRAMS FOR ADDITIONAL CEILING INFORMATION.
- PROTECT FROM DAMAGE EXISTING TO REMAIN ADHERED ACOUSTICAL CEILING TILE.
- PATCH AND PAINT FINISHES TO MATCH U.N.O.
- WHERE NEW CEILINGS ARE SHOWN, DEMO EXISTING CEILINGS.
- CENTER LIGHTS AND FIXTURES AS SHOWN.

RCP LEGEND

---	DEMO
---	EXISTING TO REMAIN
---	STUD WALL
☒	SUPPLY AIR, SEE MECHANICAL
☒	EXHAUST FAN, SEE MECHANICAL
☒	RECESSED LIGHT, SEE ELECTRICAL
☒	PANEL LIGHT, SEE ELECTRICAL



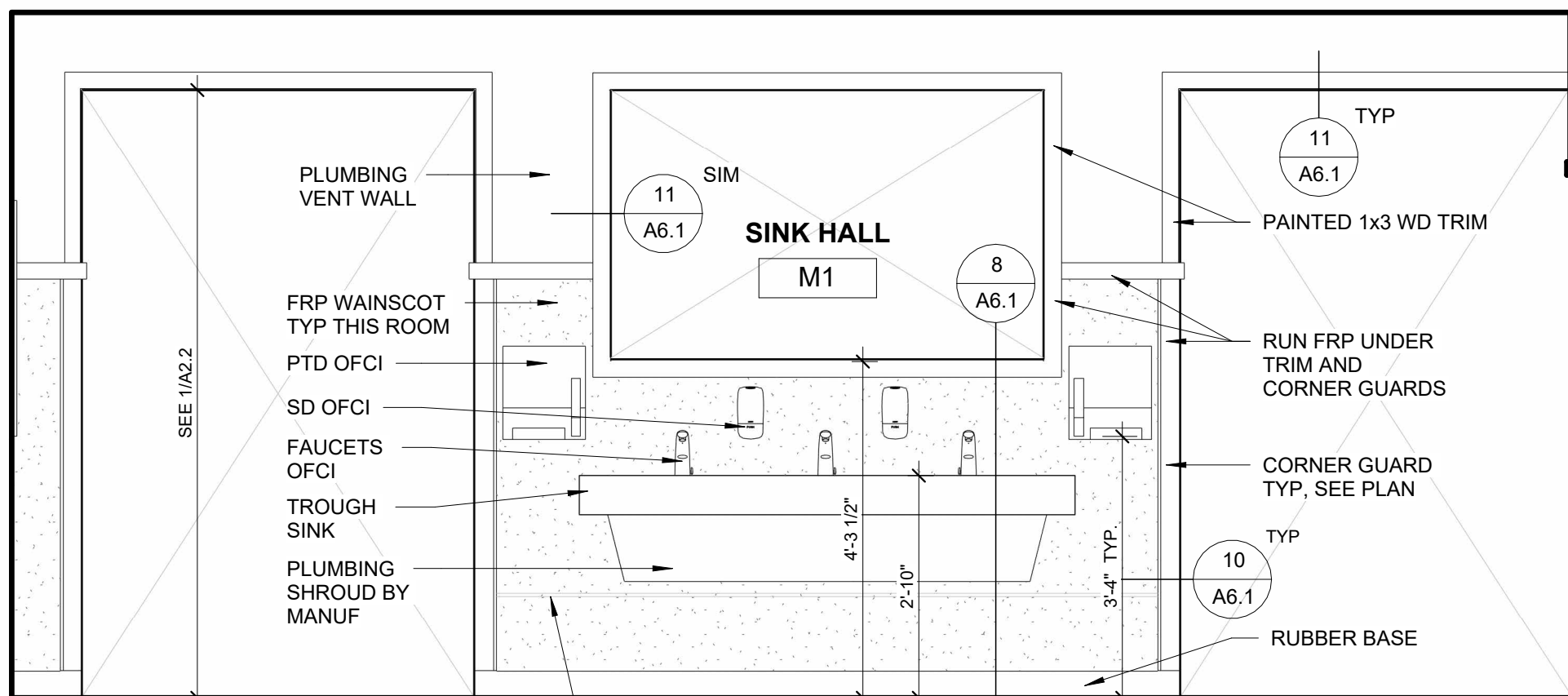
6 MAIN RESTROOM - RCP
1/4" = 1'-0"



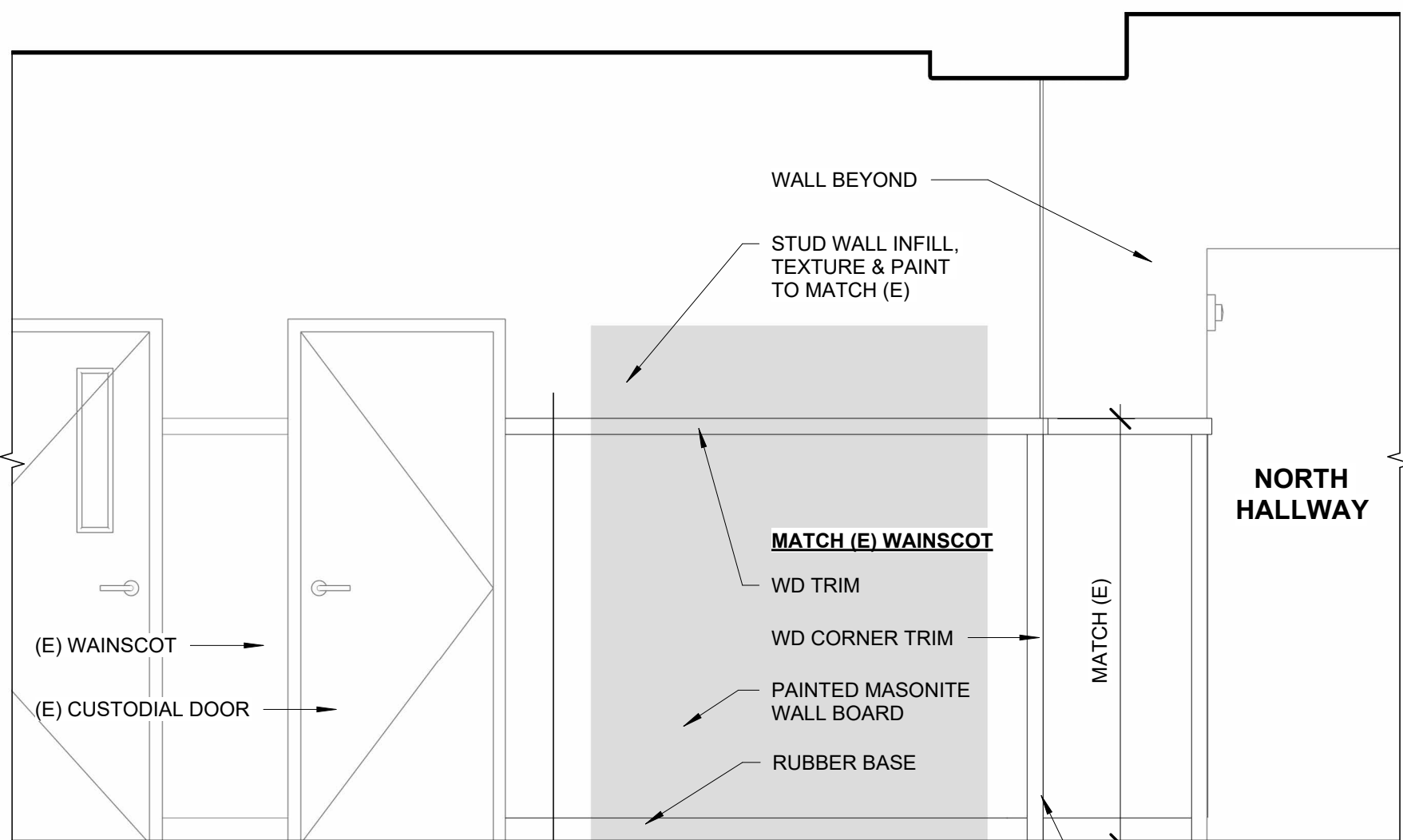
7 SINK HALL - EAST
1/2" = 1'-0"

5 SINK HALL - SOUTH
1/2" = 1'-0"

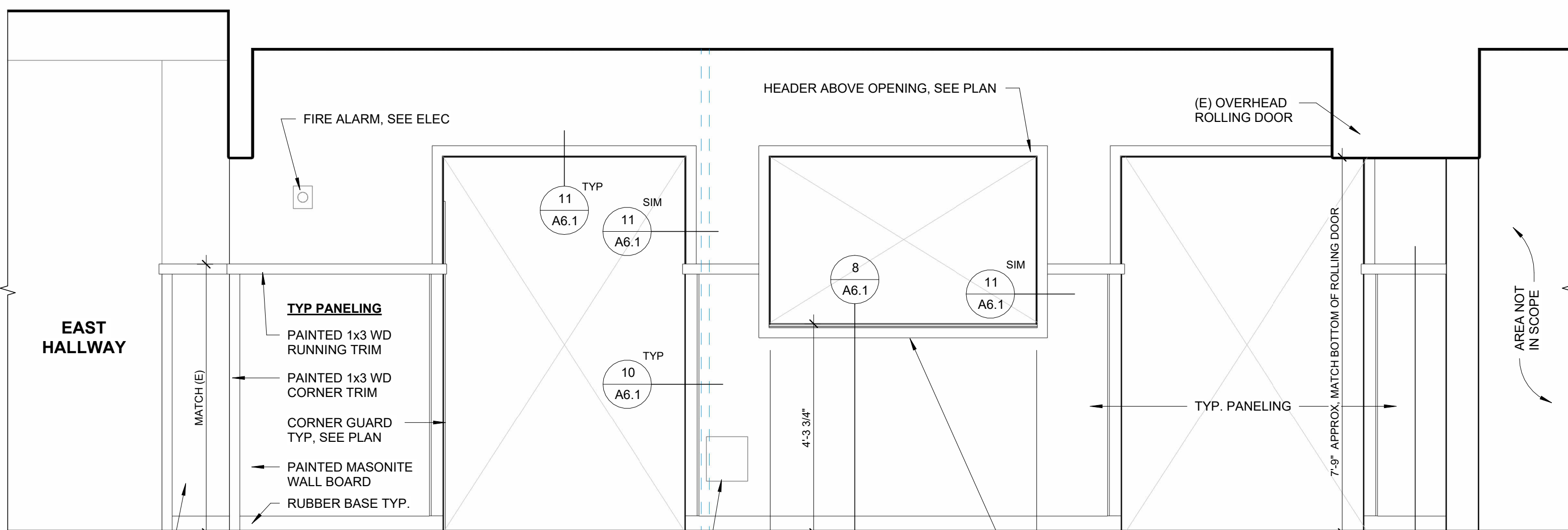
4 SINK HALL - WEST
1/2" = 1'-0"



3 SINK HALL - NORTH
1/2" = 1'-0"



2 EAST HALLWAY
1/2" = 1'-0"



1 NORTH HALLWAY
1/2" = 1'-0"

PROJECT NO.: 24-072

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COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE., COOS BAY, OR 97420
BID SCHEDULE A

CONSTRUCTION

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DATE DESCRIPTION

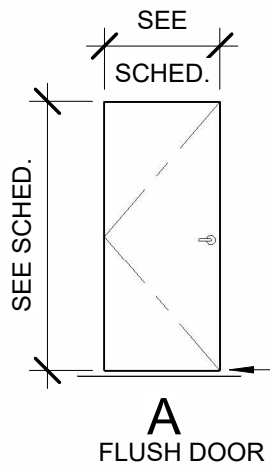
DATE: MAY 2025

SHEET TITLE:
MAIN RESTROOM -
RCP, SCHEDULES,
INT. ELEVATIONS

A2.2

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DOOR SCHEDULE - STAFF RESTROOM								
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	RATING	NOTES
7	VESTIBULE	3' - 0" X 6' - 8"	8	WD	HM	HW-51		CARD READER BY OWNER, SEE ELECTRICAL
8	STAFF TOILET	2' - 6" X 6' - 8"	28	WD	HM	HW-05		
9	ADA STAFF TOILET	3' - 0" X 6' - 8"	8	WD	HM	HW-05		



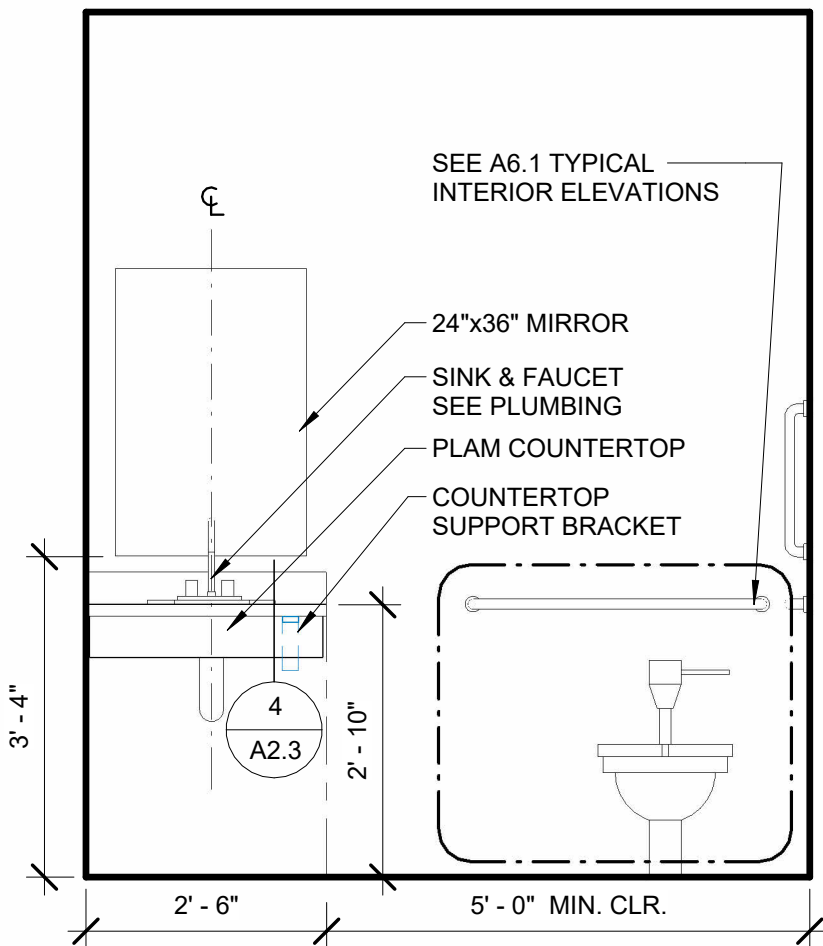
NOTE: STALL DOORS TO BE UNDERCUT 3/4" FOR VENTILATION, TYP.

ROOM FINISH SCHEDULE - STAFF RESTROOM										
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	NOTES	
ADA STAFF TOILET	S1	RES	COVE	GYP / PT-1	GYP / PT-1	FRP	FRP	GYP / PT-1	FRP WET WALLS ONLY	
VESTIBULE	S2	VCT	RBR	GYP / PT-1	GYP / PT-1	GYP / PT-1	GYP / PT-1	GYP / PT-1		
STAFF TOILET	S3	RES	COVE	FRP	GYP / PT-1	GYP / PT-1	FRP	GYP / PT-1	FRP WET WALLS ONLY	

NOTE: SEE A5.1 FOR TYPICAL STALL ELEVATIONS & FINISHES

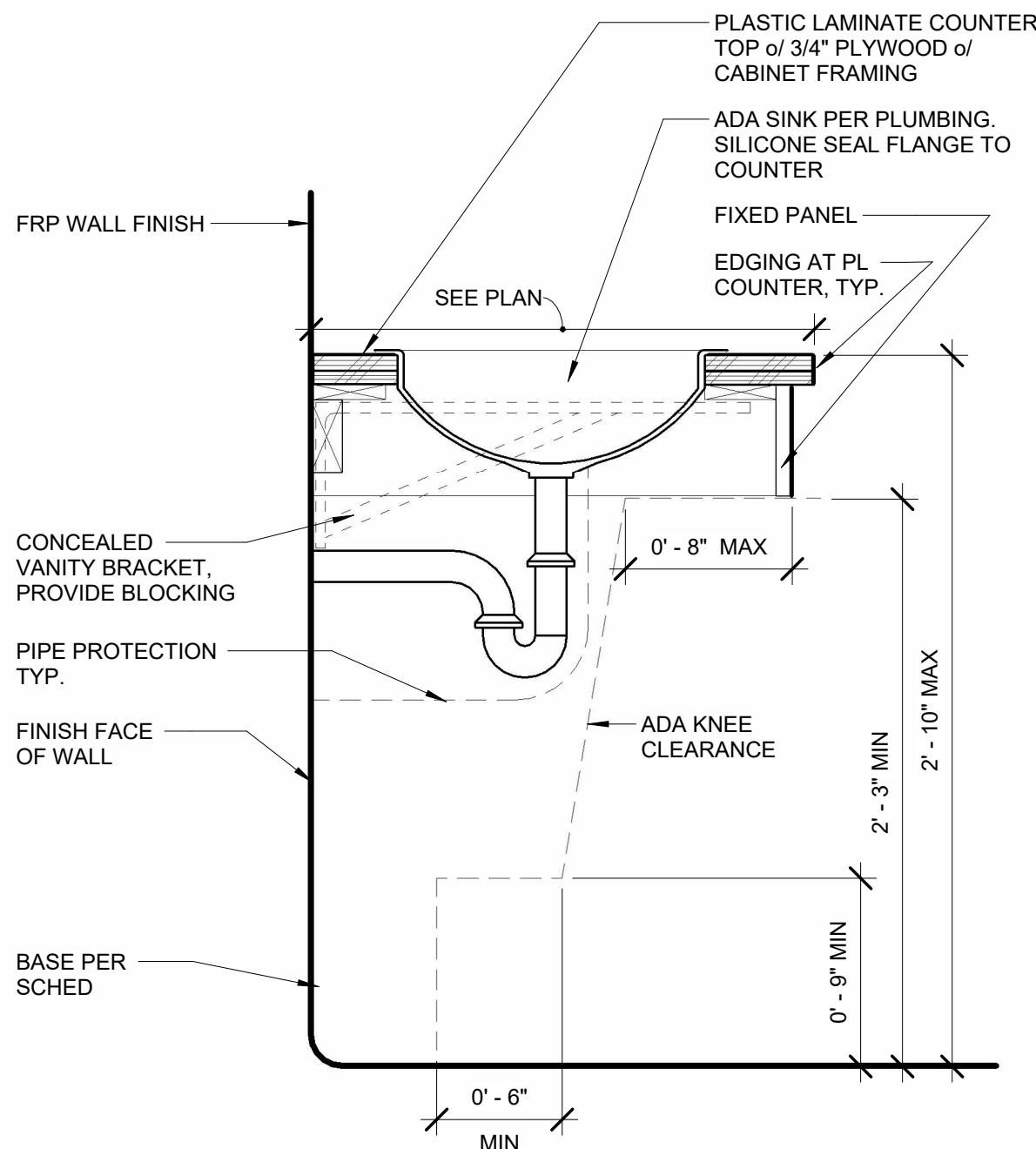
FINISH ABBREVIATIONS

LEP	LATEX ENAMEL PAINT
TILE	PORCELAIN/CERAMIC/QUARRY TILE
CPT	CARPET
WOT	WALK-OFF CARPET TILE
RES	RESILIENT SHEET FLOORING
LVT	RESILIENT TILE (LUXURY VINYL TILE)
RBR	RESILIENT BASE, RUBBER
WD	WOOD
COVE	COVE BASE
SUS. AC.	SUSPENDED ACOUSTICAL CEILING
GYP BD	GYPSUM BOARD
WP	WALL PROTECTION
FRP	FIBERGLASS REINFORCED PANEL
PTD	PAPER TOWEL DISPENSER
SD	SOAP DISPENSER



5 SINK COUNTER

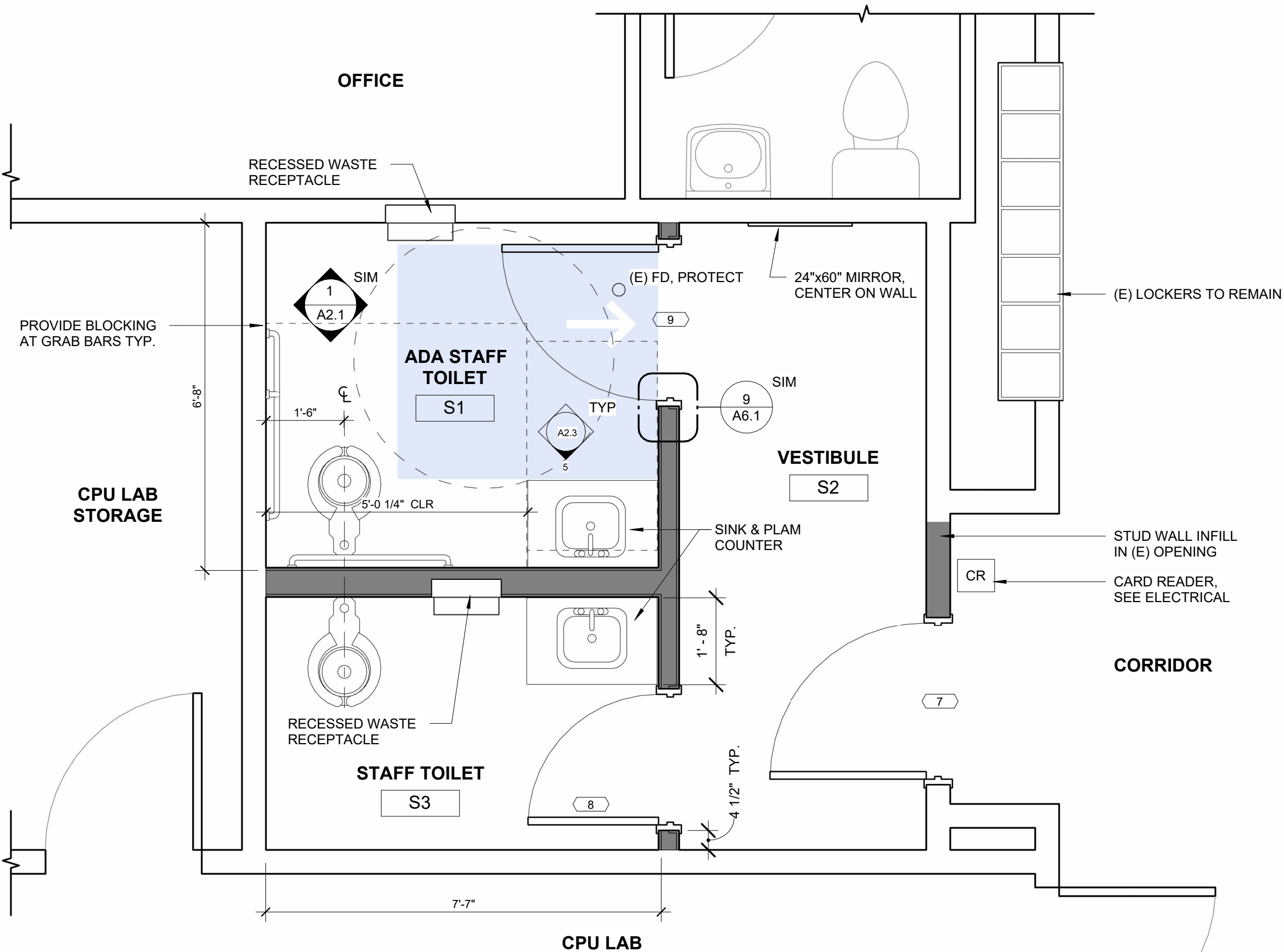
1/2" = 1'-0"



NOTE: PROVED SAME KNEE CLEARANCE AT WALL HUNG LAVATORIES, PER KNEE CLEARANCE (ANSI 117.1-2009)

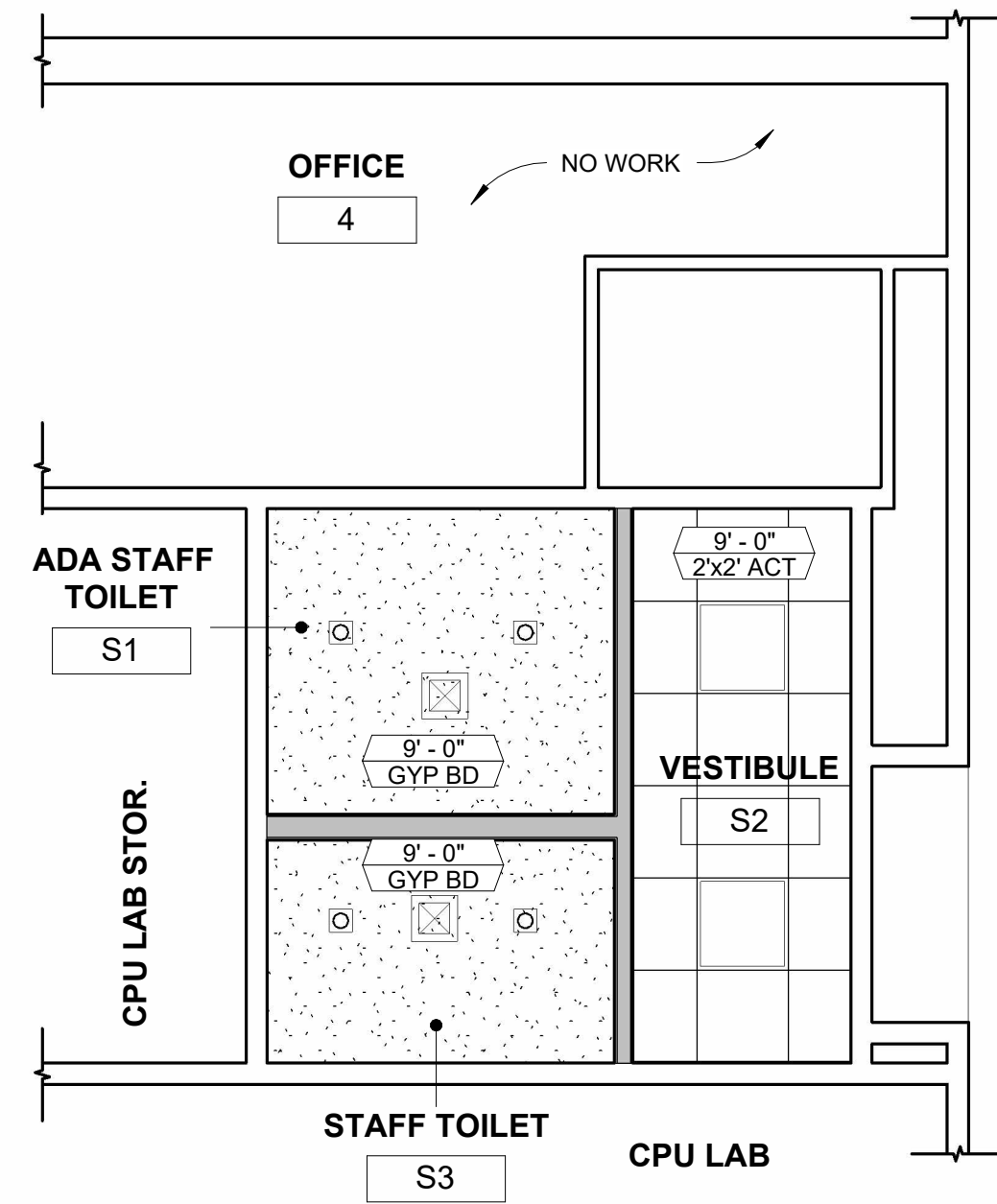
4 SINK COUNTER DETAIL

1 1/2" = 1'-0"



2 STAFF RESTROOM PLAN

1/2" = 1'-0"



GENERAL NOTES - RCP

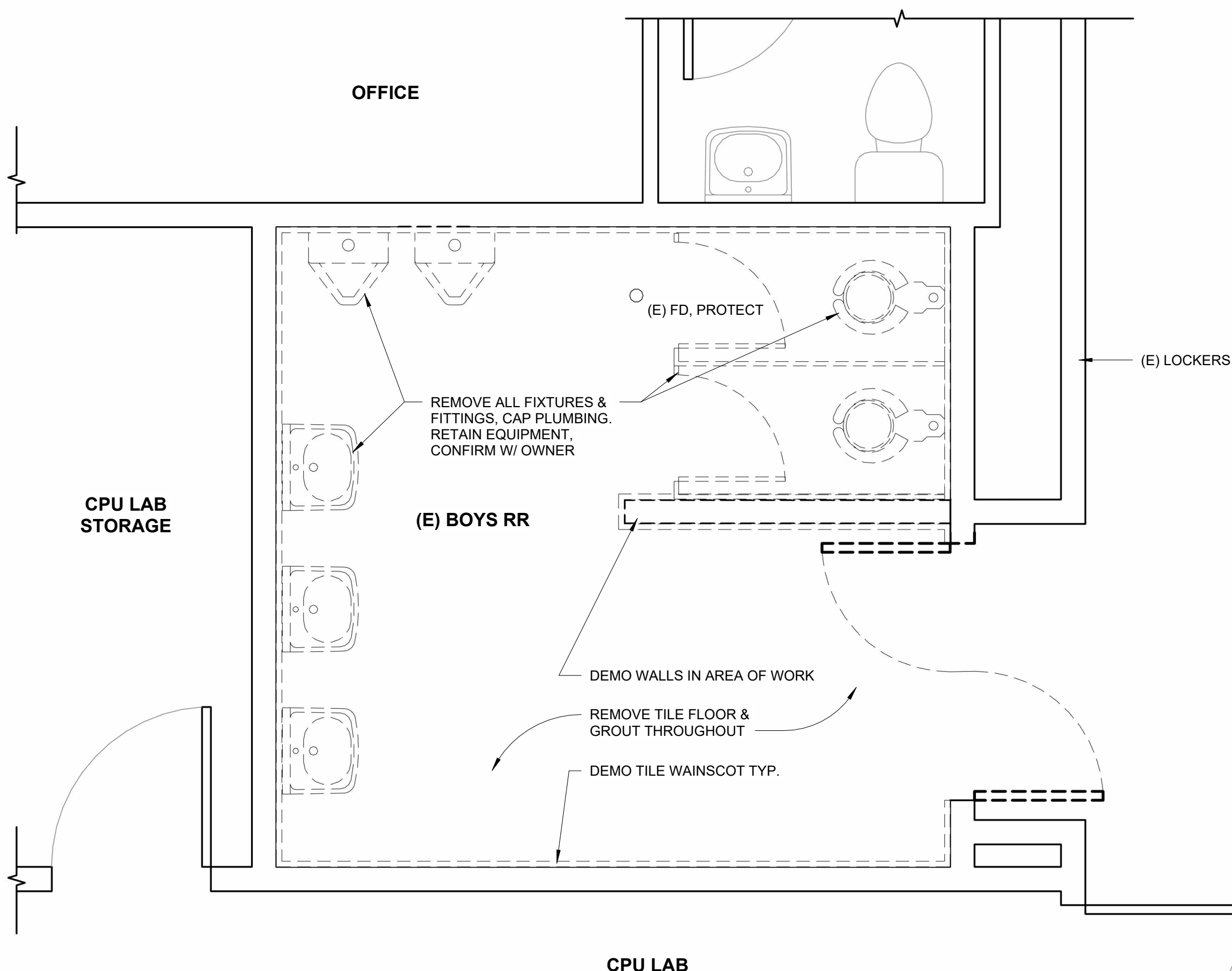
- SEE MECHANICAL, ELECTRICAL, AND PLUMBING DIAGRAMS FOR ADDITIONAL CEILING INFORMATION.
- PROTECT FROM DAMAGE EXISTING TO REMAIN ADHERED ACOUSTICAL CEILING TILE.
- PATCH AND PAINT FINISHES TO MATCH U.N.O.
- WHERE NEW CEILINGS ARE SHOW, DEMO EXISTING CEILINGS.
- CENTER LIGHTS AND FIXTURES AS SHOWN.

RCP LEGEND

---	DEMO
---	EXISTING TO REMAIN
---	STUD WALL
⊠	SUPPLY AIR, SEE MECHANICAL
⊠	EXHAUST FAN, SEE MECHANICAL
⊠	RECESSED LIGHT, SEE ELECTRICAL
⊠	PANEL LIGHT, SEE ELECTRICAL

3 STAFF RESTROOM - RCP

1/4" = 1'-0"



1 STAFF RESTROOM DEMO PLAN

1/2" = 1'-0"

STAFF RESTROOM

ALTERNATE BID

CONSTRUCTION

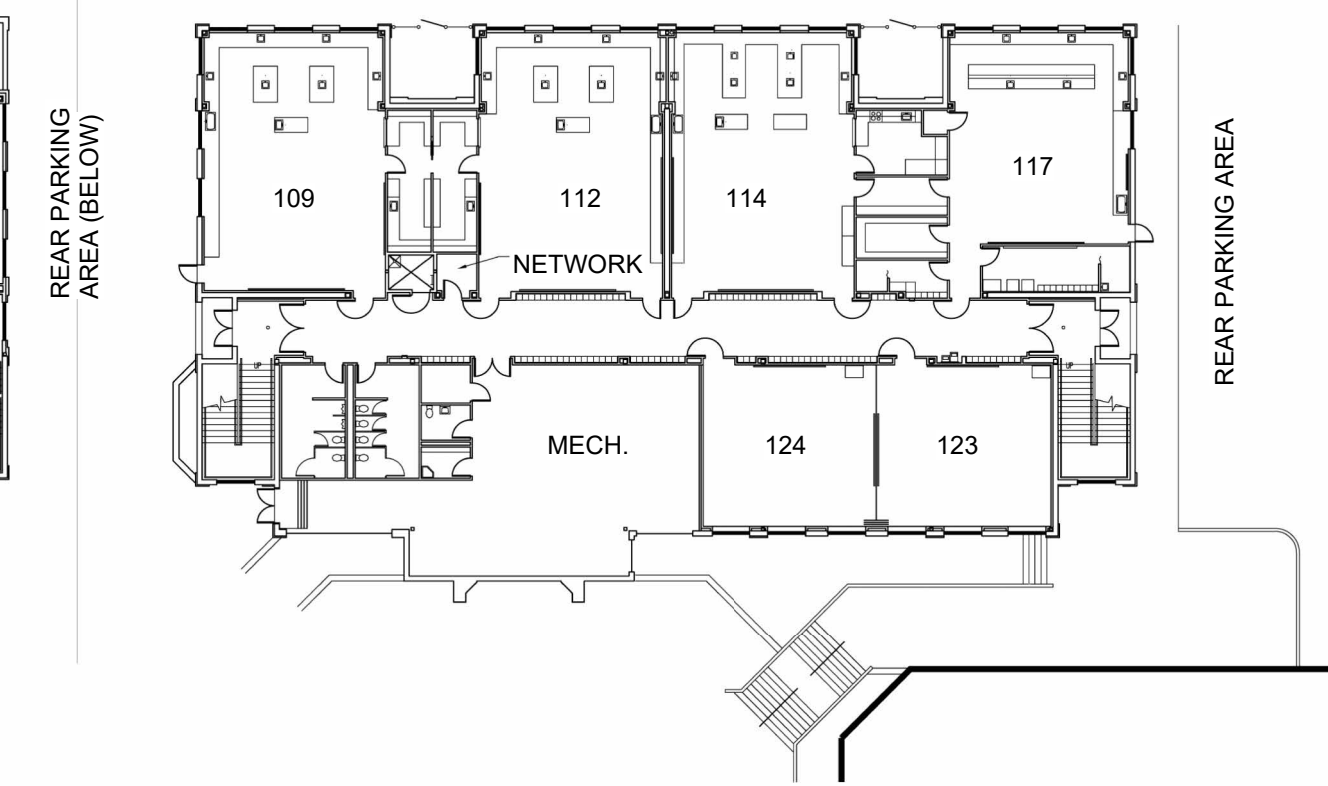
REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

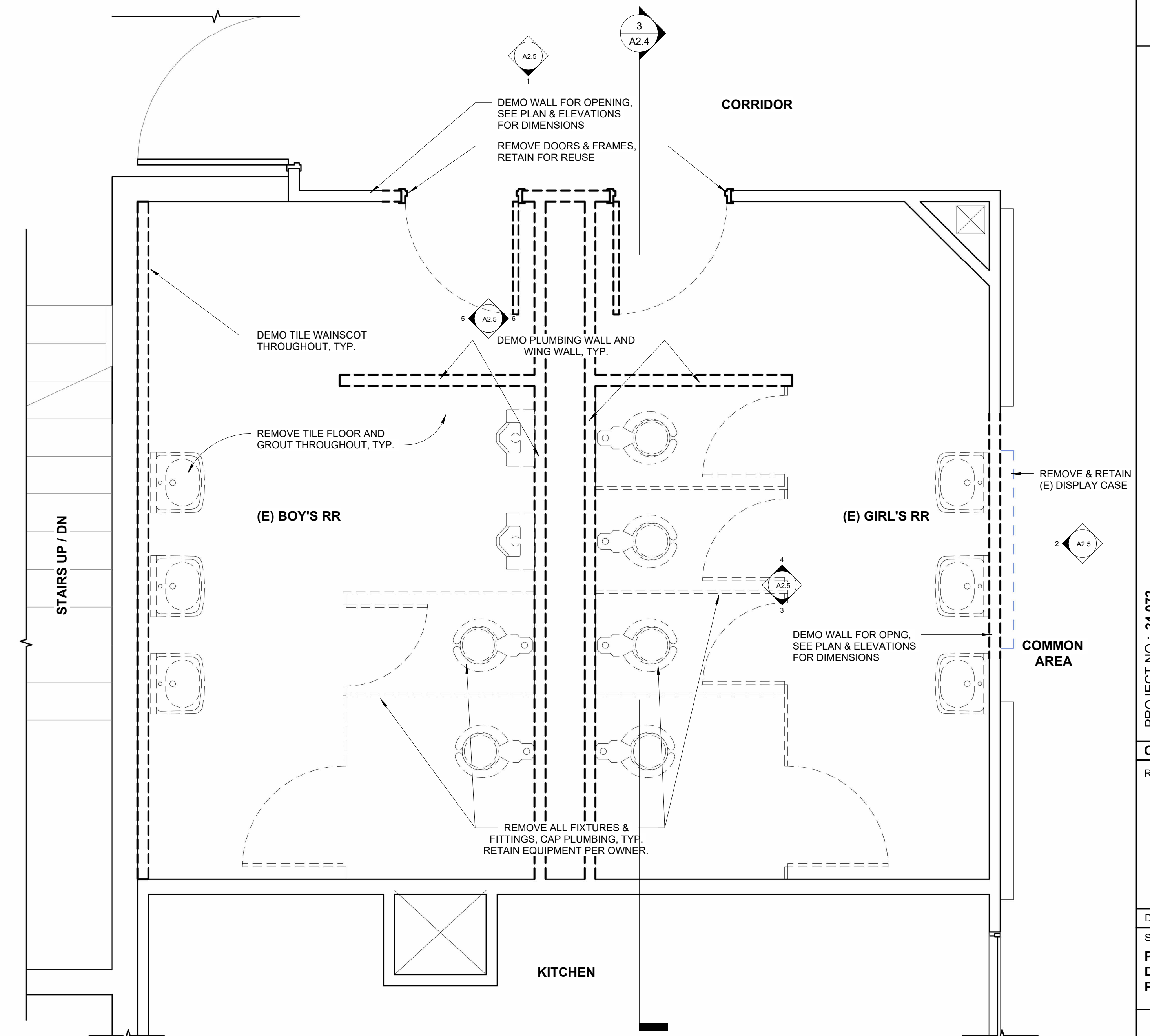
SHEET TITLE:
STAFF RESTROOM -
PLAN, SCHEDULES,
& RCP (ALT BID)

A2.3

33 S. 4TH STREET
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general@hge1.com
www.hge1.com



 **6** **PIRATE HALL - LOWER FLOOR**
1/32" = 1'-0"



1 PIRATE HALL - DEMO PLAN

REGISTERED ARCHITECT
2840
JOSEPH A. SLACK
Joseph A. Slack
COOS BAY, OREGON
STATE OF OREGON

24.072 - MHS RESTROOM REMODELS
COOS BAY SCHOOL DISTRICT
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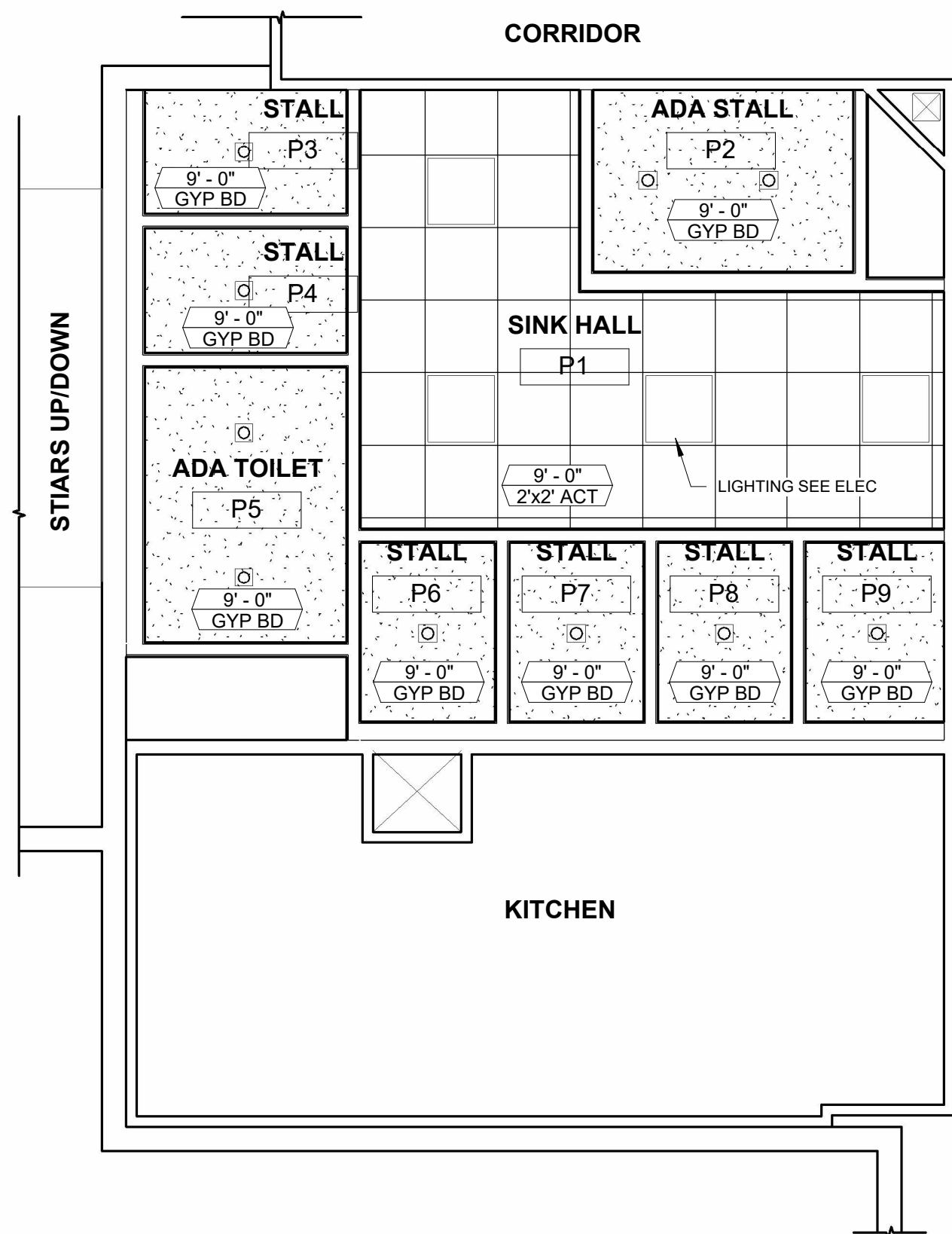
HEET TITLE:
RATE HALL -
MO & FLOOR
AN (ALT BID)

A2.4

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PIRATE HALL

ALTERNATE BID



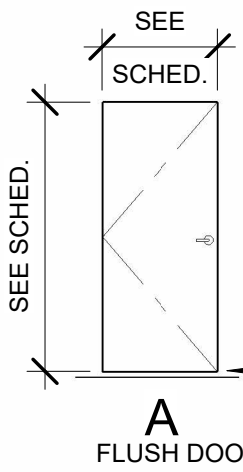
GENERAL NOTES - RCP

- A. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DIAGRAMS FOR ADDITIONAL CEILING INFORMATION.
- B. PROTECT FROM DAMAGE EXISTING TO REMAIN ADHERED ACOUSTICAL CEILING TILE.
- C. PATCH AND PAINT FINISHES TO MATCH U.N.O.
- D. WHERE NEW CEILINGS ARE SHOW, DEMO EXISTING CEILINGS.
- E. CENTER LIGHTS AND FIXTURES AS SHOWN.

RCP LEGEND

- DEMO
- EXISTING TO REMAIN
- STUD WALL
- ☒ SUPPLY AIR, SEE MECHANICAL
- ☑ EXHAUST FAN, SEE MECHANICAL
- ☐ RECESSED LIGHT, SEE ELECTRICAL
- ☐ PANEL LIGHT, SEE ELECTRICAL

DOOR SCHEDULE - PIRATE HALL								
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	RATING	NOTES
10	ADA STALL	3'-0" X 6'-8"	8	WD	HM	HW-05		
11	STALL	2'-6" X 6'-8"	28	WD	HM	HW-05		
12	STALL	2'-6" X 6'-8"	28	WD	HM	HW-05		
13	ADA TOILET	3'-0" X 6'-8"	8	WD	HM	HW-05		
14	STALL	2'-6" X 6'-8"	28	WD	HM	HW-05		
15	STALL	2'-6" X 6'-8"	28	WD	HM	HW-05		
16	STALL	2'-6" X 6'-8"	28	WD	HM	HW-05		
17	STALL	2'-6" X 6'-8"	28	WD	HM	HW-05		



NOTE: STALL DOORS TO BE UNDERCUT 3/4" FOR VENTILATION, TYP.

ROOM FINISH SCHEDULE - PIRATE HALL									
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	NOTES
SINK HALL	P1	VCT	RBR	LEP / FRP	GYP. BD / LEP	GYP. BD / LEP	GYP. BD / LEP	SUS. AC	IMPACT RESISTANT GYP. BD.
ADA STALL	P2	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
STALL	P3	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
STALL	P4	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
ADA TOILET	P5	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
STALL	P6	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
STALL	P7	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
STALL	P8	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	
STALL	P9	RES	COVE	LEP / FRP	LEP / FRP	LEP / FRP	LEP / FRP	GYP / PT-1	

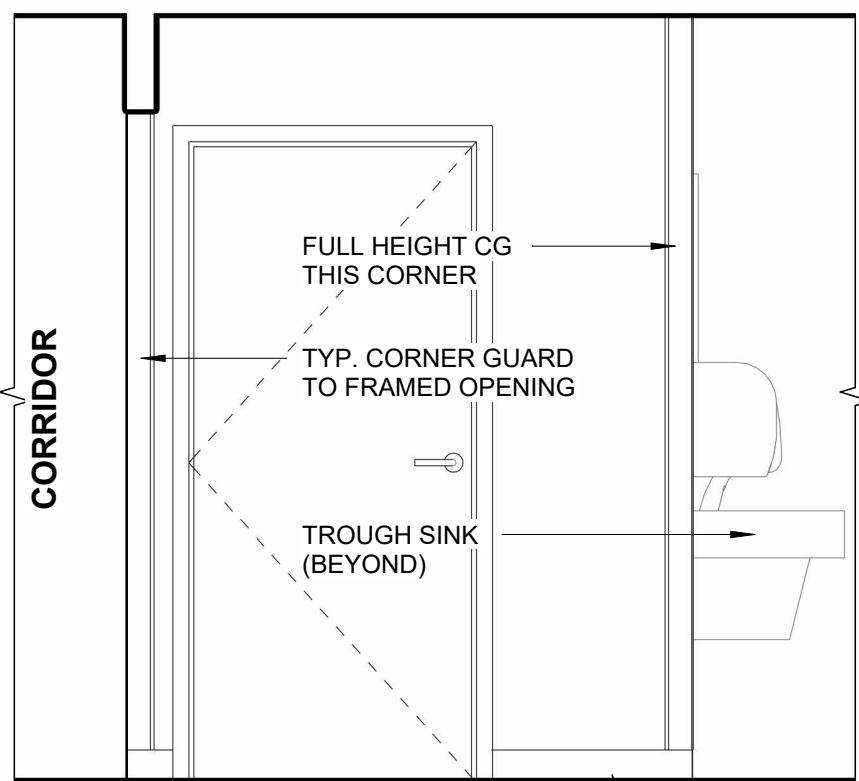
NOTE: SEE A5.1 FOR TYPICAL STALL ELEVATIONS & FINISHES

FINISH ABBREVIATIONS

- LEP LATEX ENAMEL PAINT
TILE PORCELAIN/CERAMIC/QUARRY TILE
CPT CARPET
WOT WALK-OFF CARPET TILE
RES RESILIENT SHEET FLOORING
LVT RESILIENT TILE (LUXURY VINYL TILE)
RBR RESILIENT BASE, RUBBER
WD WOOD
COVE COVE BASE
SUS. AC. SUSPENDED ACOUSTICAL CEILING
GYP. BD GYPSUM BOARD
WP WALL PROTECTION
FRP FIBERGLASS REINFORCED PANEL
PTD PAPER TOWEL DISPENSER
SD SOAP DISPENSER

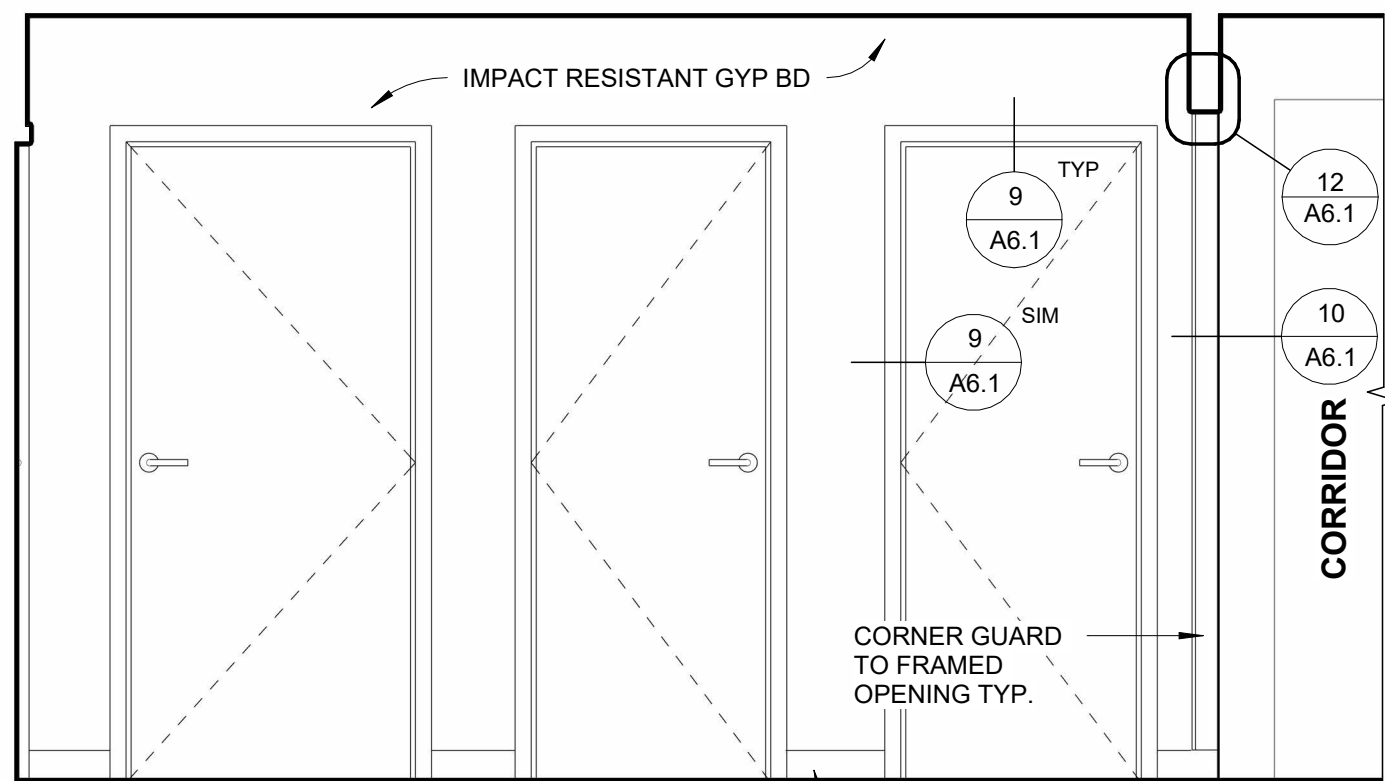
PIRATE HALL - RCP

1/4" = 1'-0"



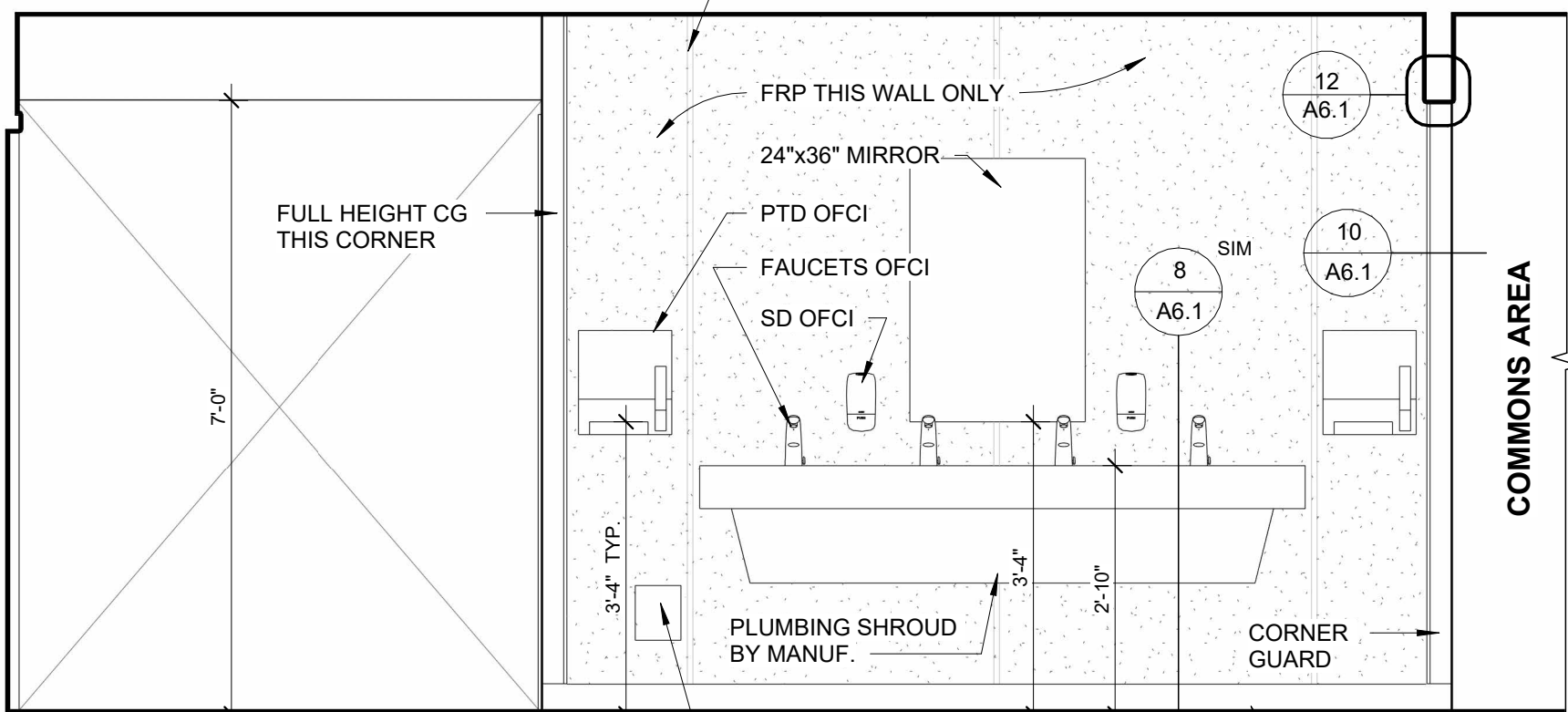
6 SINK HALL EAST

1/2" = 1'-0"



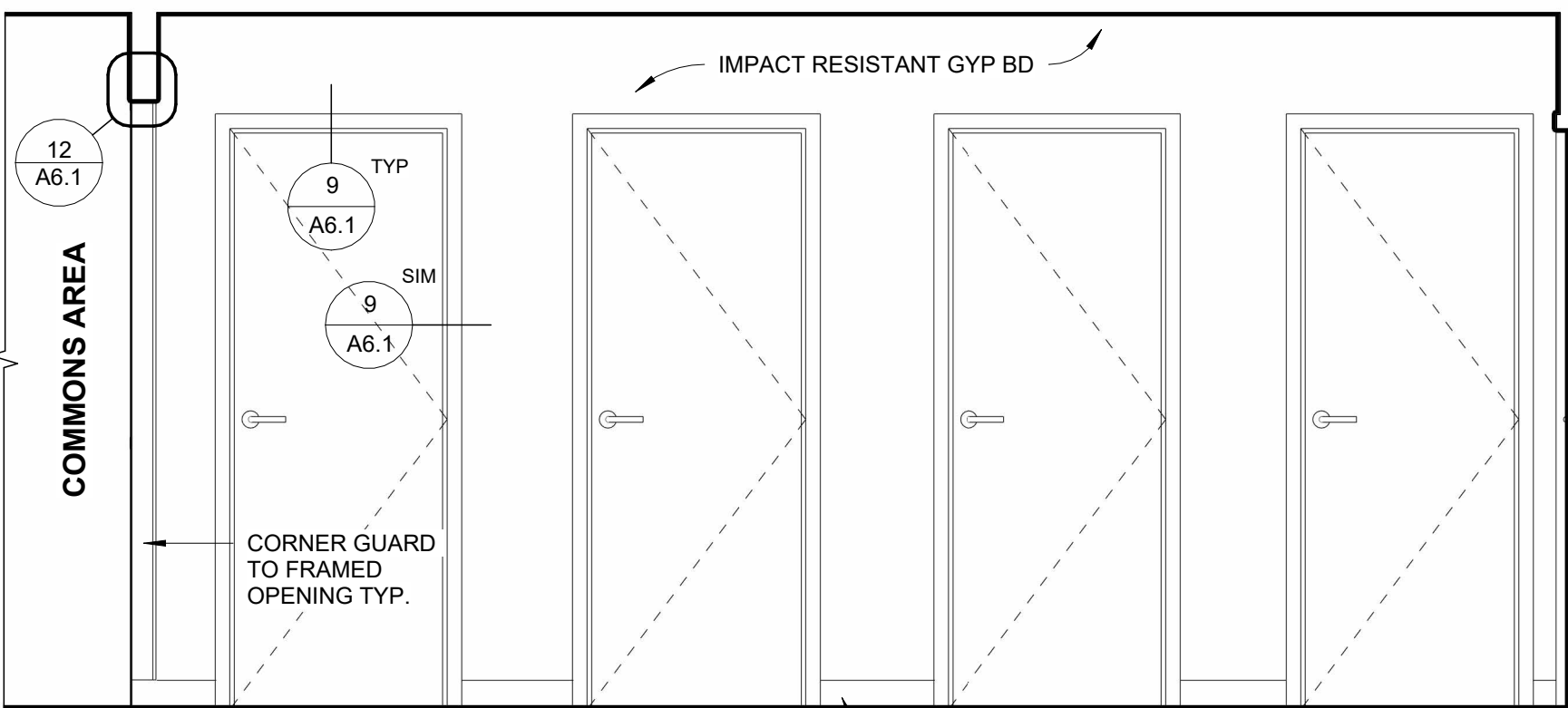
5 SINK HALL WEST

1/2" = 1'-0"



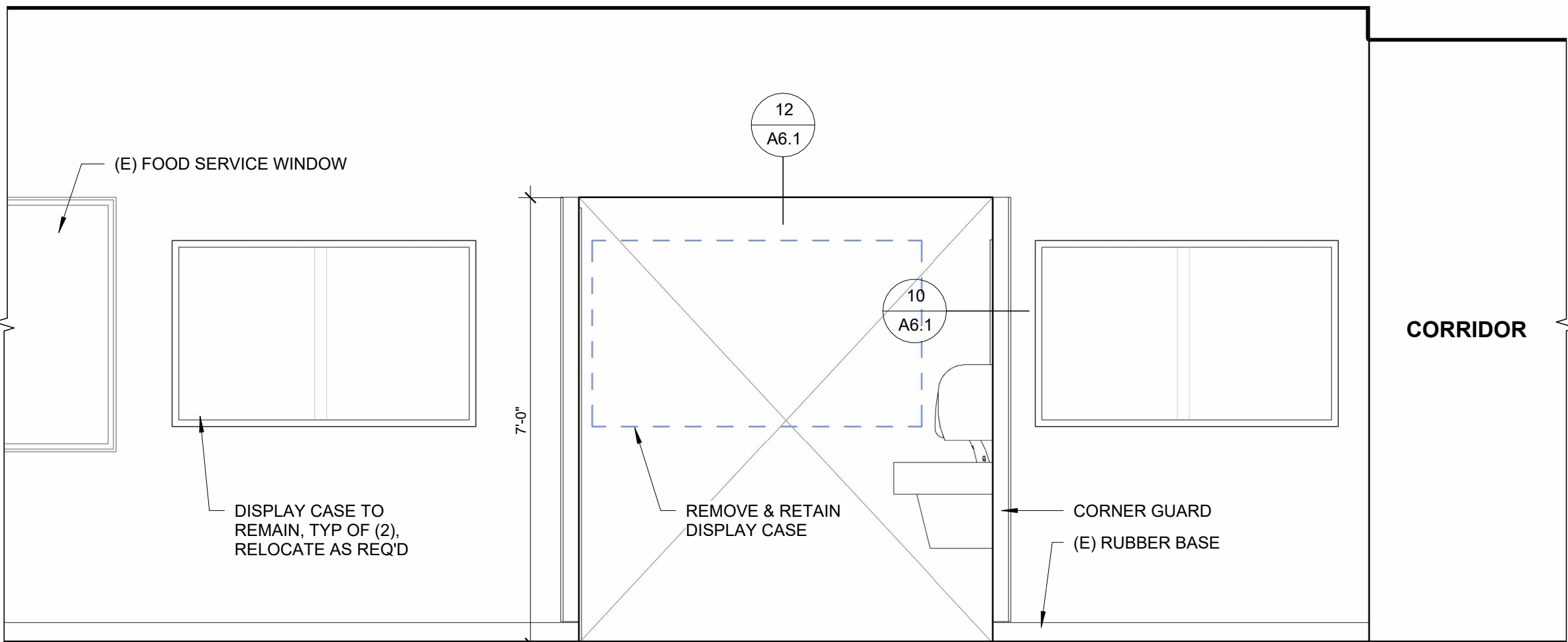
4 SINK HALL NORTH

1/2" = 1'-0"



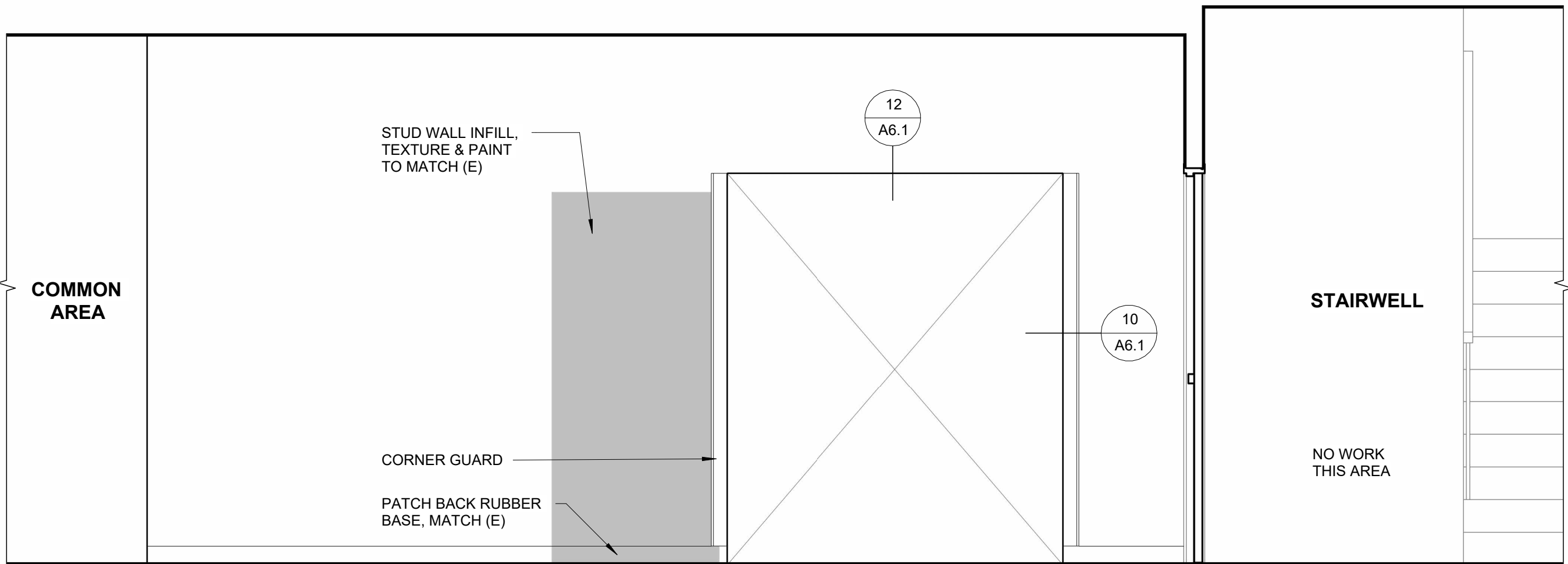
3 SINK HALL SOUTH

1/2" = 1'-0"



2 COMMONS AREA ELEVATION

1/2" = 1'-0"



1 CORRIDOR ELEVATION

1/2" = 1'-0"

CONSTRUCTION

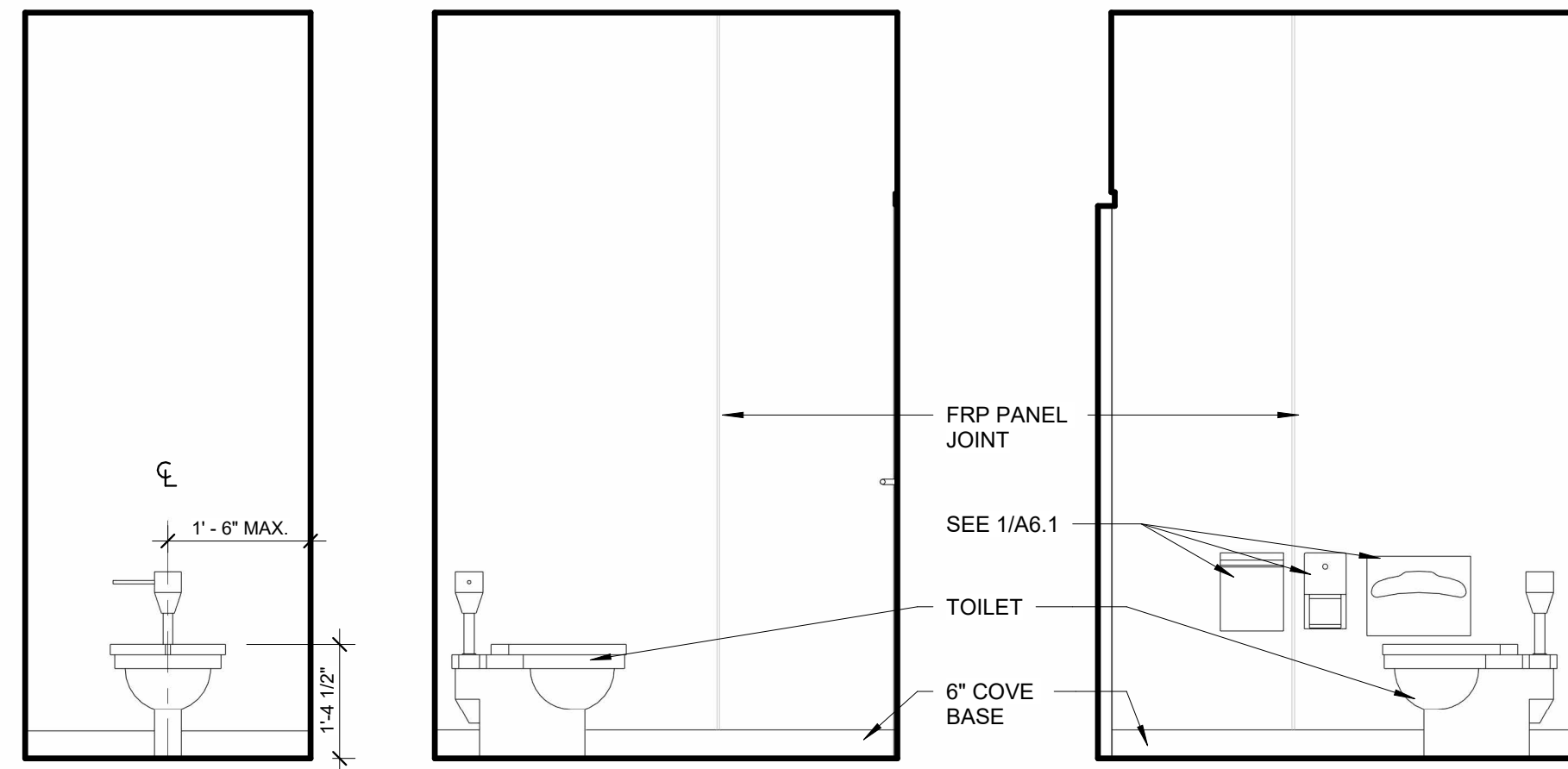
REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

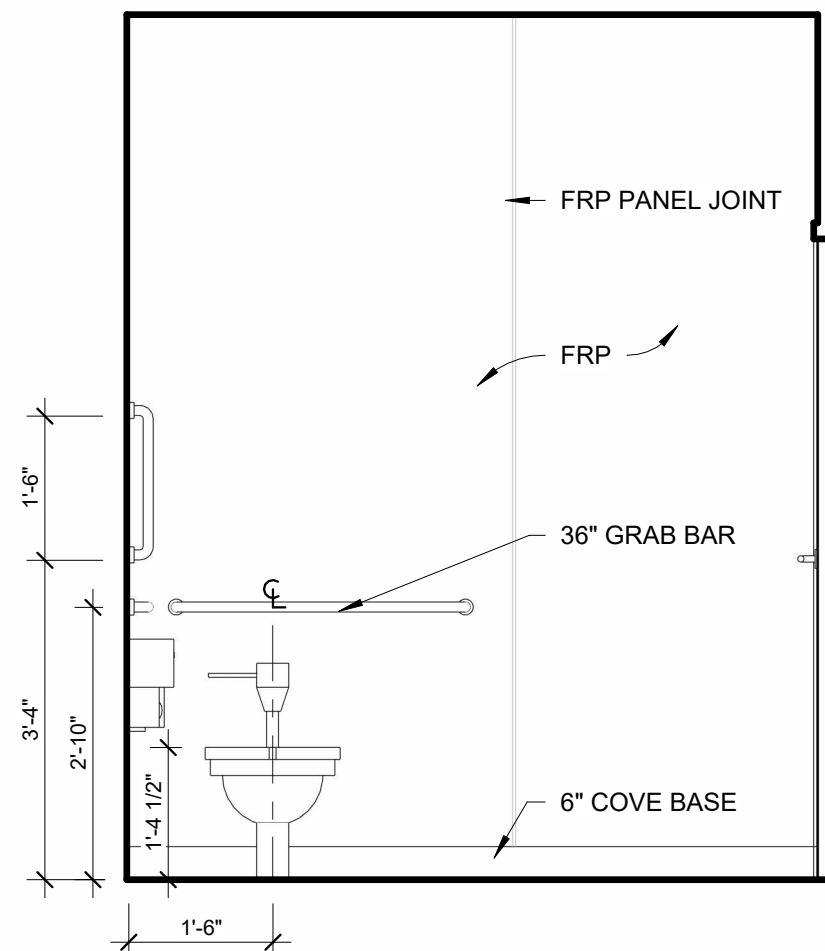
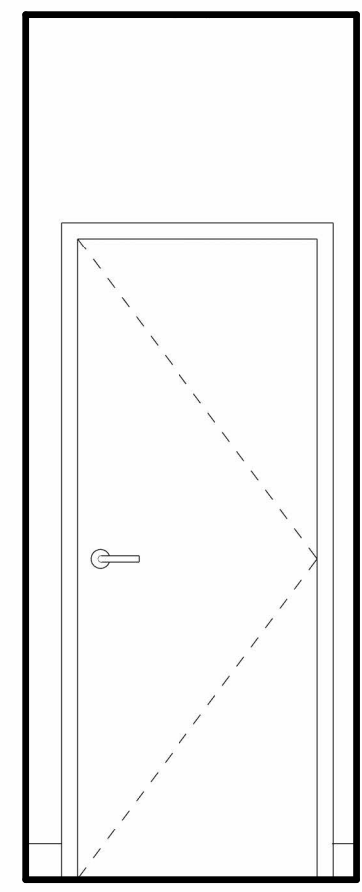
SHEET TITLE:
PIRATE HALL - RCP,
SCHEDULES,
ELEVATIONS (ALT
BID)

A2.5

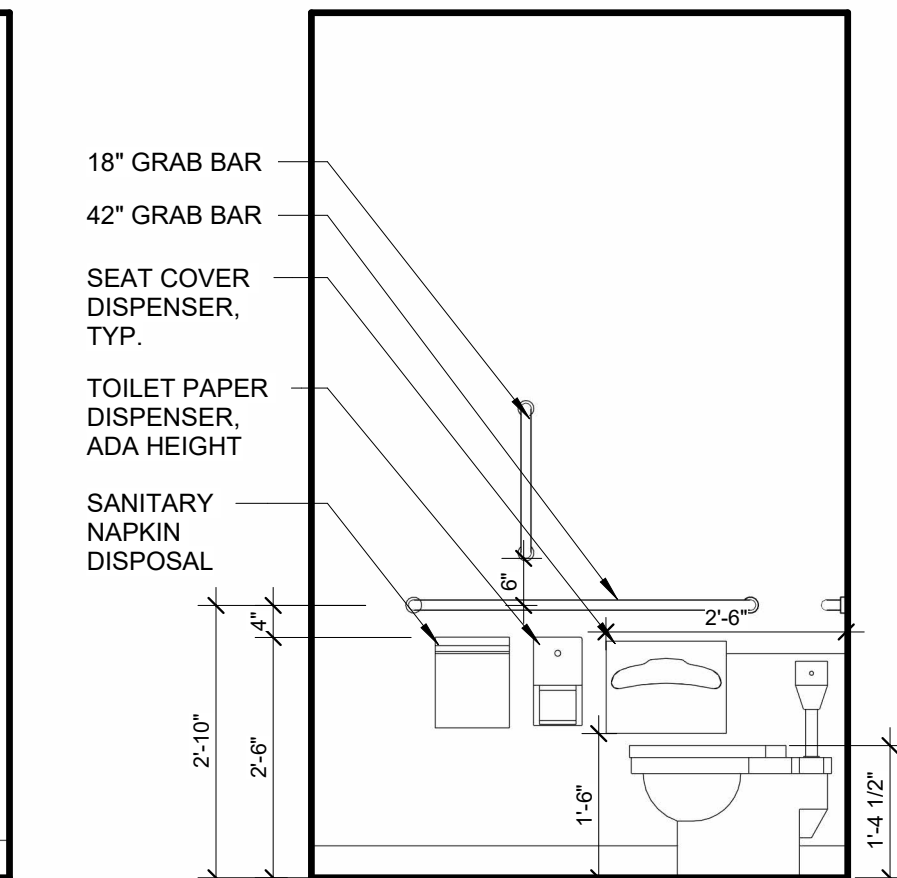
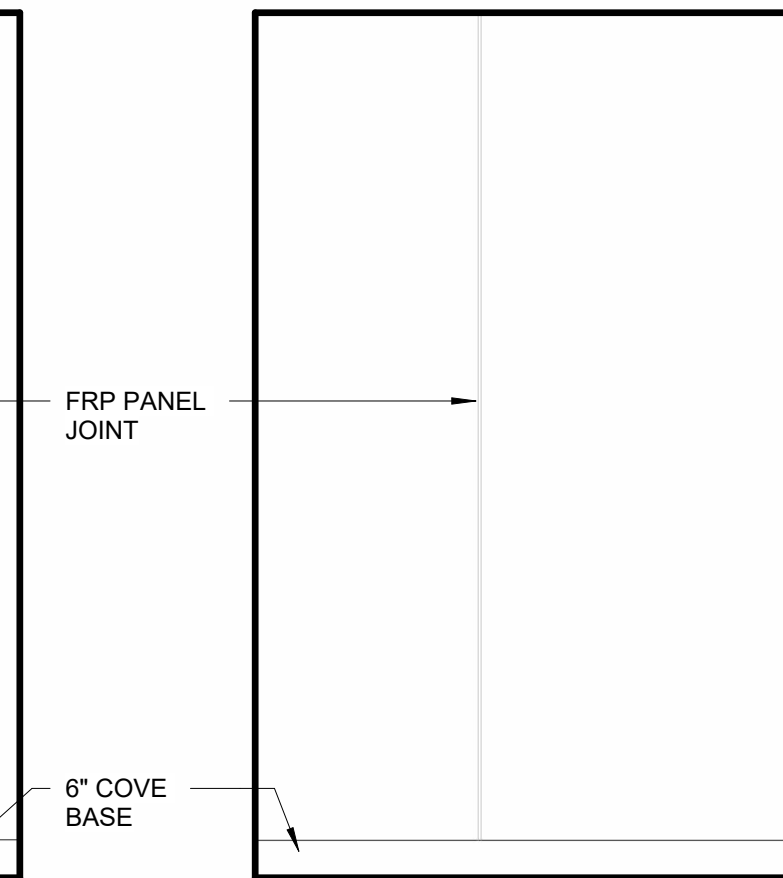
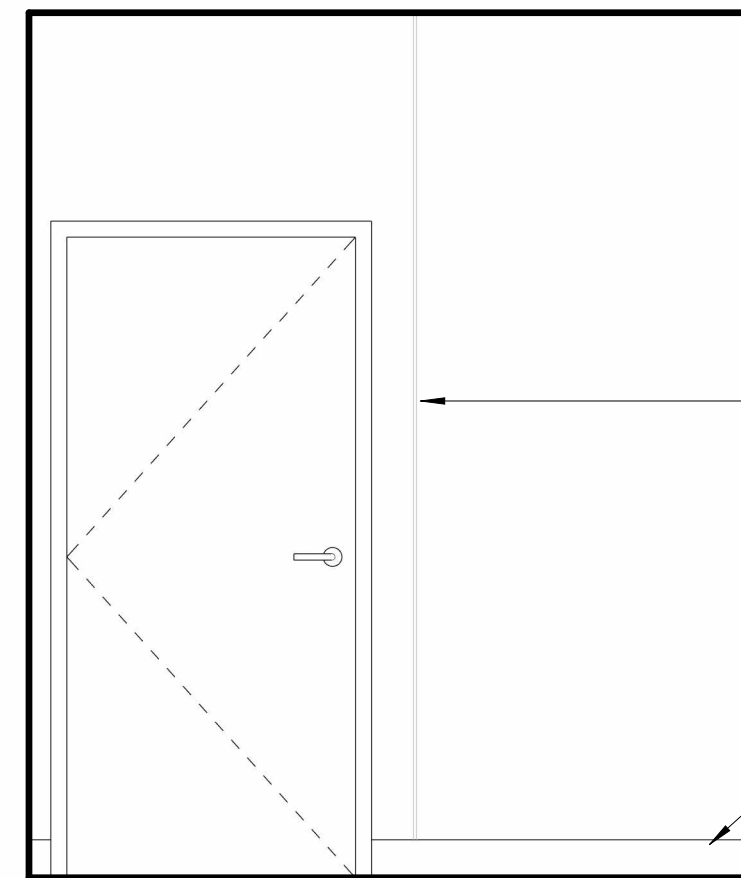
5/27/2025 2:37:58 PM C:\Users\Konrad\Documents\MHS RESTROOM REMODEL_istuebgennrPAB9.rvt



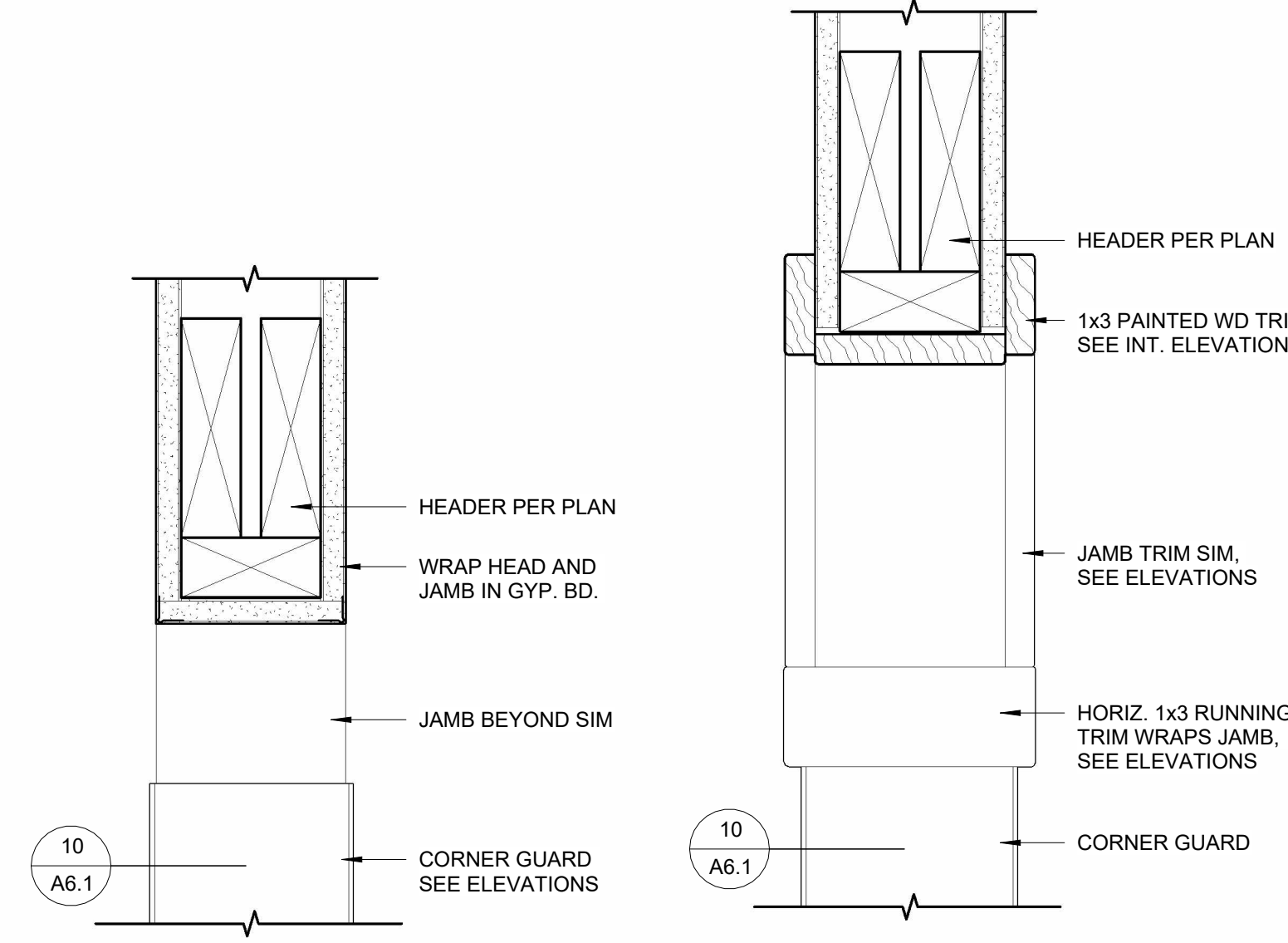
2 TYP. STALL ELEVATIONS
1/2" = 1'-0"



3 TYP. ADA TOILET ELEVATIONS & MOUNTING HEIGHTS
1/2" = 1'-0"

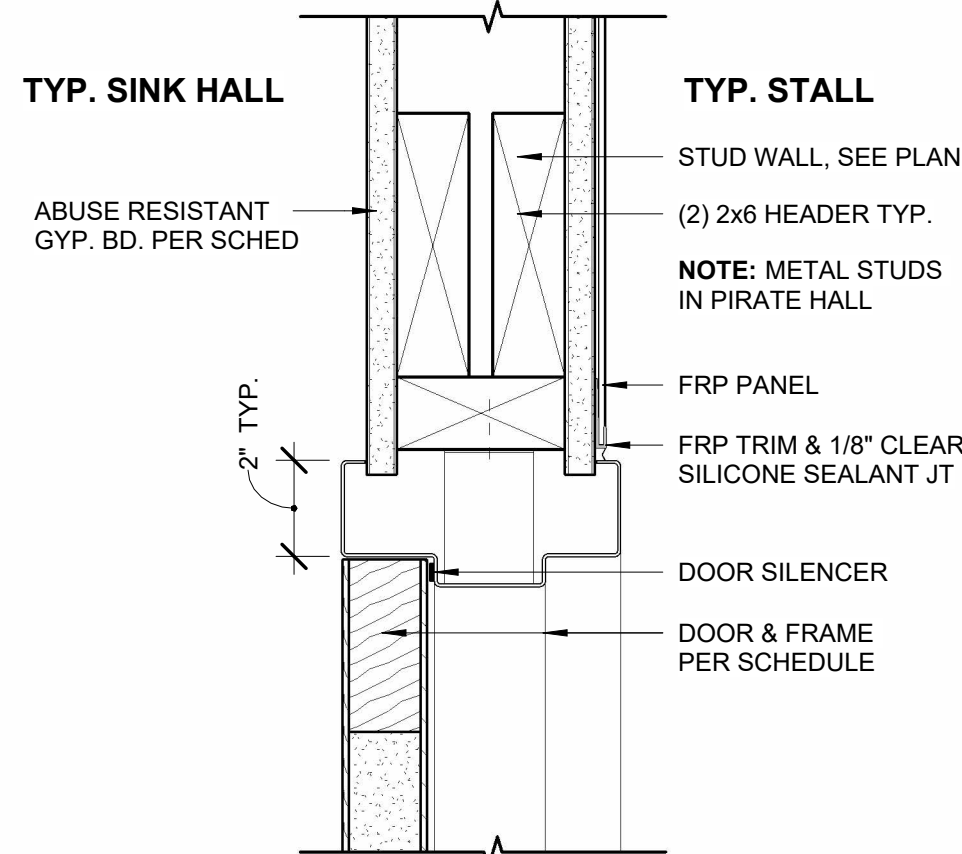


1 TYP. ADA STALL ELEVATIONS & MOUNTING HEIGHTS
1/2" = 1'-0"



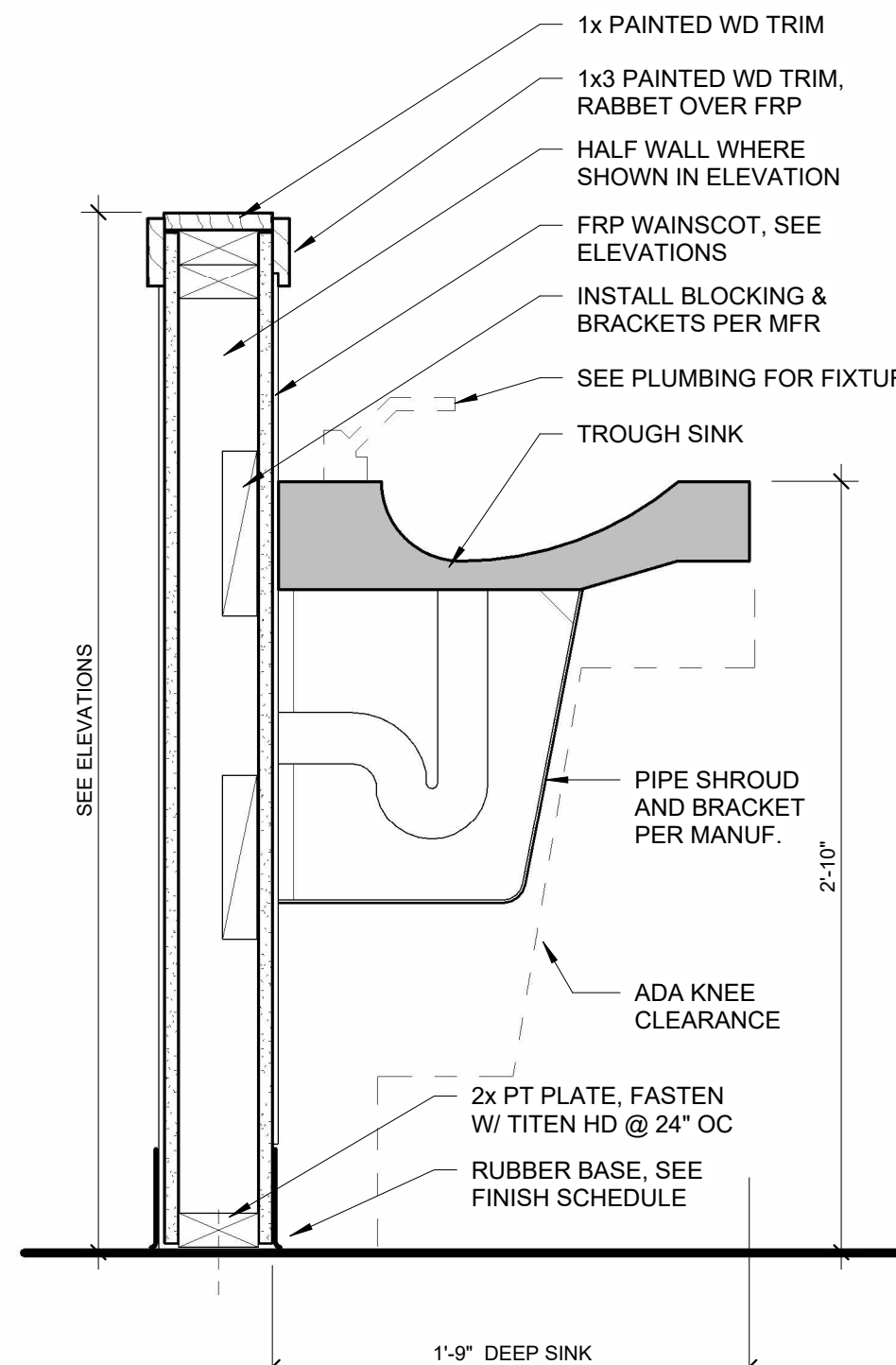
12 TYP. FRAMED OPENING
3" = 1'-0"
JAMB SIM.

11 TYP. CASIED OPENING
3" = 1'-0"

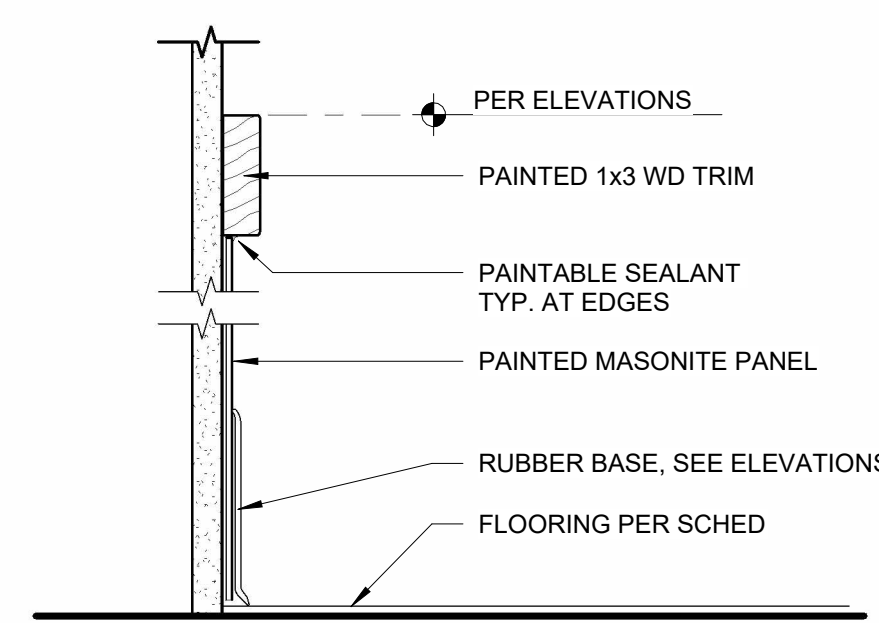


10 TYP. CORNER GUARD
3" = 1'-0"

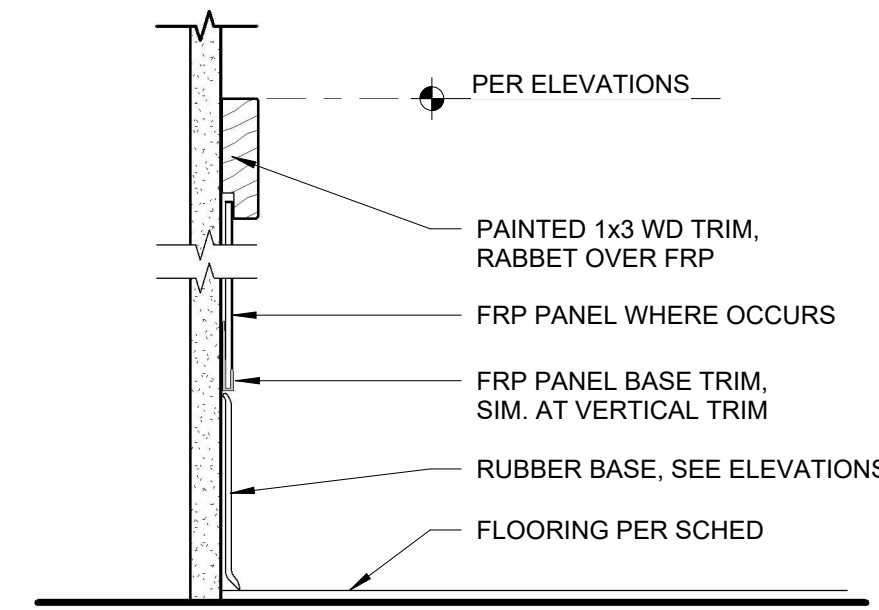
9 TYP. DOOR HEAD
3" = 1'-0"



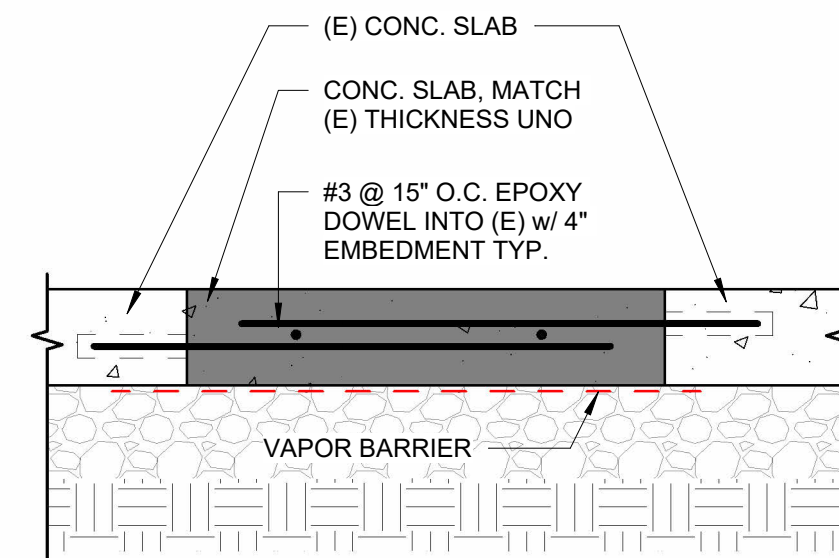
8 TYP. TROUGH SINK SECTION
1 1/2" = 1'-0"



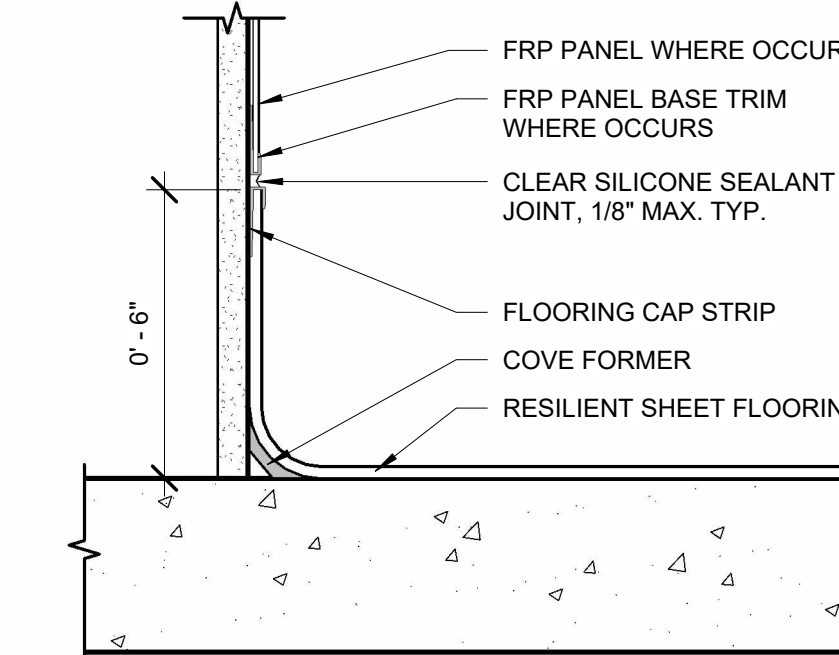
7 PAINTED WAINSCOT
3" = 1'-0"



6 FRP WAINSCOT
3" = 1'-0"



5 SLAB PATCHBACK
1 1/2" = 1'-0"



4 COVE BASE DETAIL
3" = 1'-0"

NOTE: OVERALL ROOM DIMENSIONS VARY, SEE PLANS. THIS SHEET DEMONSTRATES TYPICAL FIXTURES, FINISHES, & MOUNTING HEIGHTS

PLUMBING LEGEND

AFF	----	ABOVE FINISHED FLOOR		(CW) COLD WATER
ARCH	----	ARCHITECTURAL		(HW) HOT WATER
B.G.	----	BELOW GRADE		(HWR) HOT WATER RECIRC
BTU	----	BRITISH THERMAL UNIT		(W) SANITARY WASTE
CAP.	----	CAPACITY		(BW) BACKWATER PROTECTED WASTE
C.I.	----	CAST IRON		(GW) GREASE WASTE
CO	----	CLEANOUT		(V) SANITARY VENT
COMP.	----	COMPARTMENT		(RD) RAIN DRAIN
CONT.	----	CONTINUATION		(G) NATURAL GAS
CU.	----	CUBIC		(P) PROPANE
DF	----	DRINKING FOUNTAIN		(FP) FIRE PROTECTION
DI	----	DEIONIZED (WATER)		(FD) FIRE DRY SYSTEM
DIA.	----	DIAMETER		(NPW) NON-POTABLE WATER
(E)	----	EXISTING		(TW) TEMPERED WATER
ELEV.	----	ELEVATION		(AW) ACID WASTE
EW	----	ELECTRIC WATER COOLER		(AV) ACID VENT
FD	----	FLOOR DRAIN		(CA) COMPRESSED AIR
FDC	----	FIRE DEPARTMENT CONNECTION		(MA) MEDICAL AIR
F.F.	----	FINISH FLOOR		(MV) MEDICAL VACUUM
FLG	----	FLANGE		(O2) OXYGEN
FT	----	FOOT / FEET		(AC) ACETYLENE
G	----	GAS		(Ar) ARGON
GA.	----	GAUGE		(0) UNDEFINED
GALV.	----	GALVANIZED		(0) UNDEFINED
GPM	----	GALLONS PER MINUTE		(0) UNDEFINED
G.V.	----	GATE VALVE		(0) UNDEFINED
HP	----	HORSEPOWER		(0) UNDEFINED
HR.	----	HOUR		(0) UNDEFINED
I.E.	----	INVERT ELEVATION		(0) UNDEFINED
KW	----	KILOWATT		(0) UNDEFINED
LAV	----	LAVATORY		(0) UNDEFINED
LBS	----	POUNDS		(0) UNDEFINED
MAX.	----	MAXIMUM		(0) UNDEFINED
MBH	----	THOUSANDS OF BTUs PER HOUR		(0) UNDEFINED
MIN.	----	MINIMUM		(0) UNDEFINED
M.J.	----	MECHANICAL JOINT		(0) UNDEFINED
(N)	----	NEW CONSTRUCTION		(0) UNDEFINED
N.I.M.	----	NOT IN MECHANICAL		(0) UNDEFINED
OS&Y	----	OUTSIDE STEM & YOKE		(0) UNDEFINED
PROT.	----	PROTECTION		(0) UNDEFINED
PRV	----	PRESSURE REDUCING VALVE		(0) UNDEFINED
PSI, PSIG	----	POUNDS PER SQUARE INCH		(0) UNDEFINED
P/T	----	PRESSURE / TEMPERATURE		(0) UNDEFINED
(R)	----	RELOCATION		(0) UNDEFINED
RD	----	RAIN DRAIN / STORM DRAIN		(0) UNDEFINED
REQ'D	----	REQUIRED		(0) UNDEFINED
RPBP	----	REDUCED PRESSURE BACKFLOW PREVENTER		(0) UNDEFINED
RPM	----	REVOLUTIONS PER MINUTE		(0) UNDEFINED
TYP	----	TYPICAL		(0) UNDEFINED
UG	----	UNDER GROUND		(0) UNDEFINED
UR	----	URINAL		(0) UNDEFINED
VL	----	VENTED LINE		(0) UNDEFINED
VTR	----	VENT THROUGH ROOF		(0) UNDEFINED
WC	----	WATER CLOSET		(0) UNDEFINED
WCO	----	WALL CLEANOUT		(0) UNDEFINED

	----	DETAIL CALLOUT		----	BALL VALVE
	----	EQUIPMENT MARK/# TAG		----	GATE VALVE
	----	FIXTURE TAG		----	BUTTERFLY VALVE
	----	KEYNOTE		----	CHECK VALVE
	----	CONNECT TO EXISTING		----	BALANCE VALVE
	----	CLEANOUT		----	UNION
	----	CAP		----	PRESSURE/TEMP RELIEF VALVE
	----	TEE		----	GAS PRESSURE REGULATING VALVE
	----	ELBOW		----	DOUBLE CHECK ASSEMBLY
	----	TOP CONNECTION			
	----	BOTTOM CONNECTION			
	----	PIPE TURNED UP, PIPE TURNED DOWN			

CONTRACTOR NOTES:

- CONTRACTOR TO PRODUCE AND SUBMIT FOR REVIEW SHOP DRAWINGS SHOWING ALL PLUMBING DROPS & UNDER-SLAB PIPING. DRAWING MUST BE COORDINATED AND VERIFIED BY STRUCTURAL ENGINEER IN RELATION TO ALL FOOTINGS.
- PRIMARY SANITARY LINE IS TO BE ROUTED AT 1/8"/FT SLOPE TO MEET CIVIL INVERT AND FOOTINGS TO BE DEPRESSED TO ALLOW PASSAGE OF PLUMBING LINES.
- SHOP DRAWINGS TO SHOW ALL INTENDED CLEAN-OUTS REQUIRED BY CODE.

PLUMBING GENERAL NOTES

- A. THE DRAWINGS ARE DIAGRAMMATIC. PROVIDE ALL MATERIAL (NEW AND UNDAMAGED) AND LABOR FOR A COMPLETE AND OPERABLE SYSTEM. VERIFY ALL BUILDING MEASUREMENTS DIMENSIONS AND EQUIPMENT LOCATIONS BEFORE PROCEEDING WITH ANY OF THE WORK.
- B. REFER TO THE PLUMBING SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION INSTRUCTIONS NOT COVERED BY THESE PLANS.
- C. VERIFY THE EXISTING EQUIPMENT, PIPES, VALVES LOCATIONS AND SIZES THAT ARE SHOWN ON THESE PLANS AND REPORT ALL DISCREPANCIES BACK TO ENGINEER FOR EVALUATION PRIOR TO PROCEEDING WITH WORK.
- D. ALL INSTALLATIONS SHALL COMPLY WITH APPLICABLE FEDERAL AND STATE CODES INCLUDING 2022 OREGON STRUCTURAL SPECIALTY CODE (OSSC) INCLUDING APPENDIX N FOR OREGON FIRE CODE REGULATIONS, 2023 OREGON PLUMBING SPECIALTY CODE (OPSC), 2022 OREGON MECHANICAL SPECIALTY CODE (OMSC), 2021 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEESC)-BASED ON ASHRAE 90.1-2019, AND NATIONAL FIRE PROTECTION ASSOCIATION (NFPA). WHERE TWO CODES DIFFER THE MORE STRICT OF THE TWO SHALL BE FOLLOWED.
- E. ALL PIPES, EXITING, ENTERING OR PASSING THROUGH ANY RATED FIRE WALL OR OCCUPANCY SEPARATION SHALL HAVE FIRE BLOCKING.
- F. ALL NON-PRESSURIZED DRAIN, WASTE, AND VENT PIPES ARE TO HAVE A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- G. ALL PIPING INVERTS OR ELEVATIONS ARE MEASURED TO BOTTOM OF PIPE (BOP), UNLESS OTHERWISE IDENTIFIED.
- H. ALL POTABLE WATER SYSTEM PIPING AND EQUIPMENT ARE TO BE FLUSHED AND DISINFECTED PRIOR TO COMMISSIONING AND USE, AS PER CLEANING AND COMMISSIONING REQUIREMENTS OUTLINED IN OREGON PLUMBING SPECIALTY CODE & SPECIFICATIONS.
- I. VENT PER CODE AND AS SHOWN ON DRAWINGS.
- J. ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED LOCATION. TRENCHES FOR PIPING SHALL BE SHORED AND WIDE ENOUGH FOR PROPER INSTALLATION.
- K. PROVIDE CLEANOUTS WHERE INDICATED AND PER CODE. NOT ALL CODE REQUIRED CLEANOUTS ARE SHOWN ON DRAWINGS.
- L. PRIME FLOOR DRAINS/SINKS PER CODE.
- M. PROVIDE DIELECTRIC FITTINGS AT DISSIMILAR METALS PIPE CONNECTIONS.
- N. VERIFY ALL ELECTRICAL REQUIREMENTS BEFORE ORDERING EQUIPMENT.
- O. INSTALL ALL EQUIPMENT PER MANUFACTURERS' INSTRUCTIONS.
- P. CONTRACTOR TO PROVIDE ACCESS DOORS WHERE REQUIRED BY CODE.
- Q. CONTRACTOR TO FLASH AND COUNTER-FLASH NEW VENT THRU ROOF WATER TIGHT.
- R. DRAINAGE CONNECTIONS SHALL NOT BE MADE INTO A DRAINAGE PIPING SYSTEM WITHIN 8 FT OF ANY VERTICAL TO HORIZONTAL CHANGE OF DIRECTION OF A STACK CONTAINING A SUDS-PRODUCING FIXTURE.
EXCEPTION: STACKS RECEIVING THE DISCHARGE FROM LESS THEN 3 STORIES OF PLUMBING FIXTURES
- S. HEAT TRACE (FREEZE PROTECTION) ALL PIPING SUBJECTED TO FREEZING CONDITIONS. ALL HEAT TRACED PIPE TO BE INSULATED AND LABELED.
- T. HEAT TRACE WASTE TRAPS, INSULATE WASTE PIPING EXPOSED TO FREEZING CONDITIONS.
- U. ROUTE ALL HVAC UNIT CONDENSATE DRAINS TO AN APPROVED LOCATION (OPTIONS LISTED BELOW)
.. ROUTE TO CLOTHES WASHER BOX VIA TOP DISCHARGE - IPS WATER TITE MODEL W8900 OR EQUAL.
.. ROUTE ALL CONDENSATES DOWN IN WALLS IN COMMON DRAIN SYSTEM AND ROUTE TO HUB DRAINS - CONTRACTOR TO SIZE DRAIN SYSTEM BASED ON NUMBER OF CONNECTED UNITS.
.. PROVIDE CONDENSATE PUMPS ON ALL UNITS THAT ARE NOT GRAVITY DRAINED.
- V. ROUTE VENTS FROM FLOOR DRAINS/SINKS BELOW SLAB AND UP ON/IN A WALL TO VENT STACKS ABOVE. (ROUTE INDIVIDUAL VENTS UNTIL ABOVE FLOOD LINE OF FIXTURE).

TABLE 1006.0 FLOOR DRAINS

MAXIMUM HORIZONTAL DISTANCE TO VENT OR VENTED...		
TRAP SIZE, I.D. (INCHES)	WASTE BRANCH SIZE (INCHES)	MAXIMUM DISTANCE (FEET)
2	2	6
3	3	10
4	4	14
6	6	20

FOR SI UNITS: 1" = 25.4MM

NOTES:

1. VENTS ARE NOT REQUIRED FOR TRAPS FOR EXTERIOR DRAINS AND CATCH BASINS WHICH DISCHARGE TO A STORM WATER DRAIN SYSTEM.

2. CLEANOUTS REQUIRED IN SECTION 705.0 DO NOT APPLY WHEN USING TABLE 1006.0 EXCEPT FOR CATCH BASINS

PLUMBING DRAWING INDEX

SHEET NUMBER	SHEET NAME
P1.0	PLUMBING COVERSHEET
P1.1	PLUMBING SCHEDULES AND DETAILS
P2.0	PLUMBING MAIN BLDG - RESTROOM DEMO PLANS
P2.1	PLUMBING MAIN BLDG - RESTROOM PLANS
P2.2	PLUMBING STAFF RESTROOM - DEMO PLANS (ALTERNATE BID)
P2.3	PLUMBING STAFF RESTROOM PLANS (ALTERNATE BID)
P2.4	PLUMBING PIRATE HALL - RESTROOM DEMO PLANS (ALTERNATE BID)
P2.5	PLUMBING PIRATE HALL - RESTROOM PLANS (ALTERNATE BID)



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

Consulting Engineers
2007 SE Ash St.
Portland, Oregon
97214
PHN: 503-234-0548
www.mfia-eng.com
CONTACT: TAKAKO BAKER



PROJECT NO.: 24-072

24.072 - MHS RESTROOM REMODEL
COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025
SHEET TITLE:
PLUMBING
COVERSHEET

P1.0

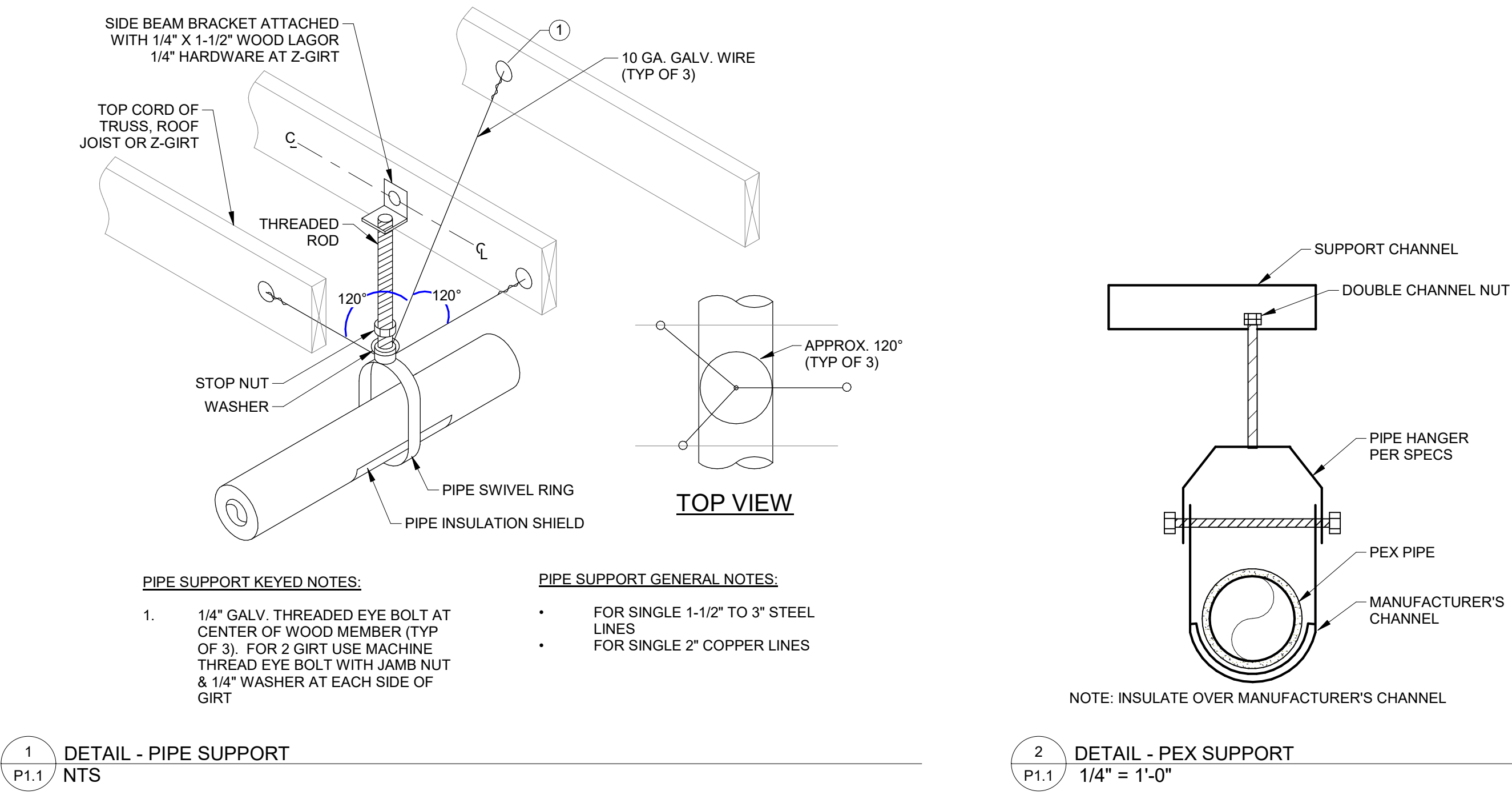
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PLUMBING MAIN BLDG RESTROOM CALCULATIONS - 2023 OPSC								
		DOMESTIC WATER SERVICE				SANITARY WASTE SERVICE		
	NUMBER OF FIXTURES	WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS		DRAINAGE FIXTURE UNITS	TOTAL DFU
DEMO FIXTURES								
LAVATORY (SINGLE)	3	1	3	2.25	2.25		1	3
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-First)	1	40	40	40	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Second)	1	30	30	30	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Third)	1	20	20	20	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Fourth)	1	15	15	15	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Five or More)	1	10	10	10	--		4	4
HOSE BIBB	1	2.5	2.5	2.5	--		--	--
FLOOR DRAIN	1	--	--	--	--		1	1
TOTAL	10		120.5	119.75	2.25			24
		GPM	48.4	48.2	2.6	WASTE SIZE		(E)
		SIZE	(E)	(E)	(E)			
NEW FIXTURES								
LAVATORY (SINGLE)	1	1	5	3.75	3.75		1	5
WASHFOUNTAIN (2" TRAP)	1	4	4	3	3		3	3
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-First)	1	40	40	40	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Second)	1	30	30	30	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Third)	1	20	20	20	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Fourth)	1	15	15	15	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Five or More)	1	10	40	10	--		4	4
HOSE BIBB	1	2.5	2.5	2.5	--		--	--
FLOOR DRAIN	1	--	--	--	--		1	1
TOTAL	9		122.5	121.25	3.75			25
		GPM	48.9	48.6	3.8	WASTE SIZE		4"
		SIZE	(N)2"	(N)2"	(N)3/4"			

PLUMBING PIRATE HALL RESTROOM CALCULATIONS - 2023 OPSC								
	NUMBER OF FIXTURES	DOMESTIC WATER SERVICE				SANITARY WASTE SERVICE		
		WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS	DRAINAGE FIXTURE UNITS	TOTAL DFU	
DEMO FIXTURES								
LAVATORY (SINGLE)	6	1	6	4.5	4.5	1	6	
URINAL (1.0 GPF, First)	1	20	20	20	--	2	2	
URINAL (1.0 GPF, Second)	1	15	15	15	--	2	2	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-First)	1	40	40	40	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Second)	1	30	30	30	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Third)	1	20	20	20	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Fourth)	1	15	15	15	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Five or More)	1	10	10	10	--	4	4	
FLOOR DRAIN	2	--	--	--	--	1	2	
TOTAL	15		156	154.5	4.5		32	
		GPM	56.2	55.8	4.3	WASTE SIZE	(E)4"	
		SIZE	(E)2"	(E)2"	(E)3/4"			
NEW FIXTURES								
LAVATORY (SINGLE)	1	1	1	0.75	0.75	1	1	
WASHFOUNTAIN (2" TRAP)	1	4	4	3	3	3	3	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-First)	1	40	40	40	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Second)	1	30	30	30	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Third)	1	20	20	20	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Fourth)	1	15	15	15	--	4	4	
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Five or More)	4	10	40	10	--	4	16	
HOSE BIBB	1	2.5	2.5	2.5	--	--	--	
FLOOR DRAIN	1	--	--	--	--	1	1	
TOTAL	12		152.5	151.25	3.75		33	
		GPM	55.4	55.1	3.8	WASTE SIZE	(E)4"	
		SIZE	(N)2"	(N)2"	(N)3/4"			

PLUMBING STAFF RESTROOM CALCULATIONS - 2023 OPSC								
DEMO FIXTURES	NUMBER OF FIXTURES	DOMESTIC WATER SERVICE				SANITARY WASTE SERVICE		
		WATER FIXTURE UNITS	TOTAL WSFU	TOTAL CW FIXTURE UNITS	TOTAL HW FIXTURE UNITS		DRAINAGE FIXTURE UNITS	TOTAL DFU
LAVATORY (SINGLE)	4	1	4	3	3		1	6
URINAL (1.0 GPF, First)	1	20	20	20	--		2	2
URINAL (1.0 GPF, Second)	1	15	15	15	--		2	2
WATER CLOSET (1.6 GPF TANK-GENERAL)	1	2.5	2.5	2.5	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-First)	1	40	40	40	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Second)	1	30	30	30	--		4	4
HOSE BIBB	1	2.5	2.5	2.5	--		--	--
FLOOR DRAIN	1	--	--	--	--		1	--
TOTAL	11		114	113	3			21
		GPM	46.8	46.5	3		WASTE SIZE	(E)
		SIZE	(E)	(E)	(E)			
NEW FIXTURES								
LAVATORY (SINGLE)	2	1	5	3.75	3.75		1	5
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-First)	1	40	40	40	--		4	4
WATER CLOSET (1.6 GPF FLUSHOMETER VALVE-Second)	1	30	30	30	--		4	4
TOTAL	4		72	71.5	1.5			10
		GPM	36.6	36.5	2.3		WASTE SIZE	4"
		SIZE	2"	2"	3/4"			

PLUMBING CONNECTION SCHEDULE								
TYPE MARK	FIXTURE	LOCATION(S)	W	V	CW	HW	REMARKS	
FD-1	FLOOR DRAIN	ALL LOCATIONS	3"	VL	---	---		
HB-1	HOSE BIBB	SINK HALLS	---	---	3/4"	---		
LV-1	LAVATORY	ADA STALLS	1-1/2"	1-1/2"	1/2"	1/2"	WALL-MOUNT PEDESTAL, ADA	
LV-2	LAVATORY	STAFF RESTROOMS	1-1/2"	1-1/2"	1/2"	1/2"	UNDER COUNTER MOUNT	
WC-1	WATER CLOSET	STALLS	3"	2"	1/2"	---	FLUSH VALVE	
WC-2	WATER CLOSET	ADA STALLS	3"	2"	1/2"	---	FLUSH VALVE, ADA	
WF-1	WASHFOUNTAIN	MAIN BLDG RESTROOM	2"	1-1/2"	1/2"	1/2"	THREE-FAUCET TROUGH SINK	
WF-2	WASHFOUNTAIN	PIRATE HALL RESTROOM	2"	1-1/2"	1/2"	1/2"	FOUR-FAUCET TROUGH SINK	



HGE ARCHITECTS.

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

MEDIA INC.

Consulting Engineers
2007 SE Ash St.
Portland, Oregon
97214
PHN: 503-234-0548
www.mfia-eng.com
CONTACT: TAKAKO BAKER

REGISTERED PROFESSIONAL ENGINEER
70996PE
Junko Baker
JULY 9, 2002
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EXPIRES: 12/31/25

PROJECT NO.: 24.072

24.072 - MHS RESTROOM REMODEL
COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420

CONSTRUCTION

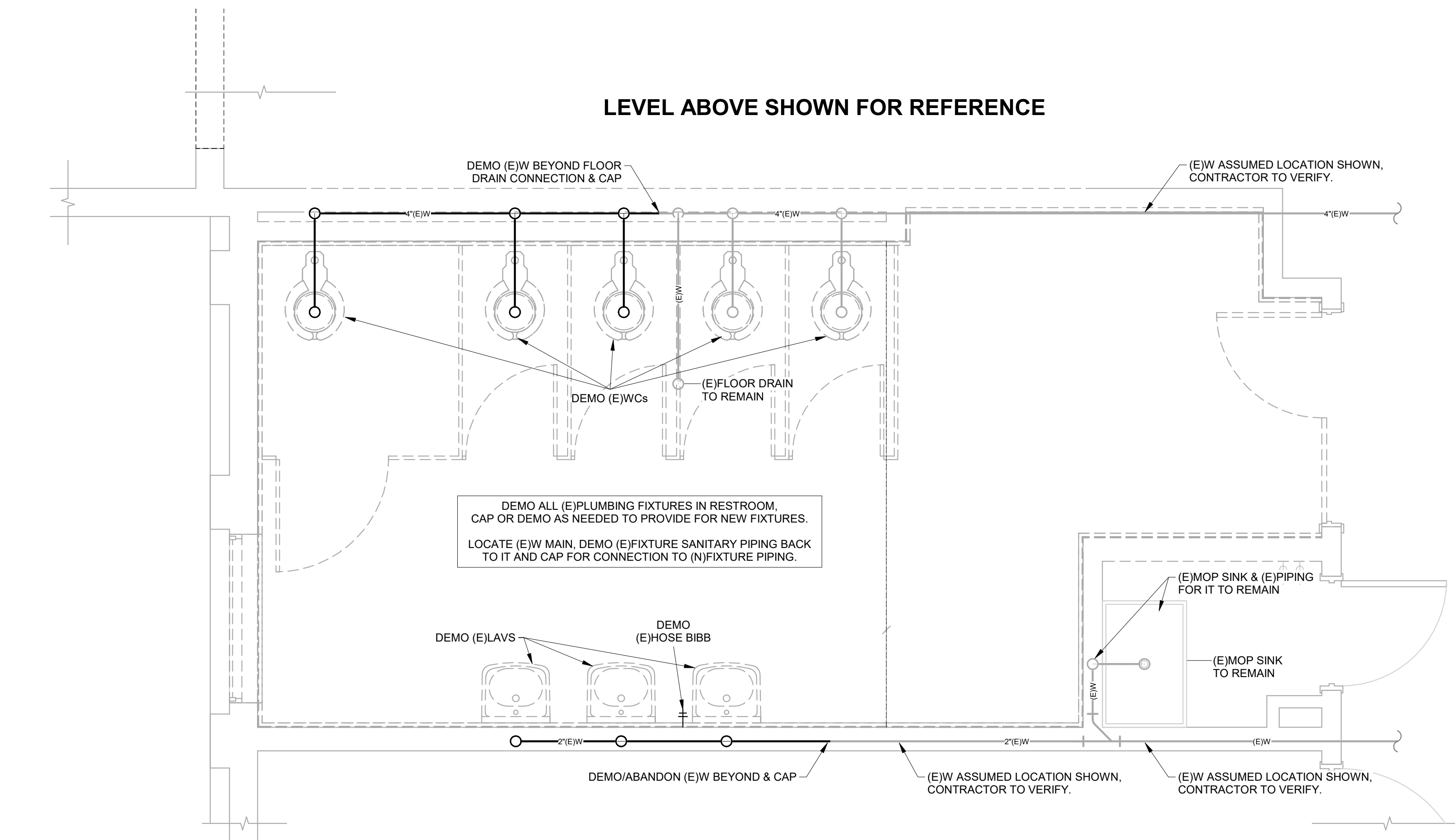
REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

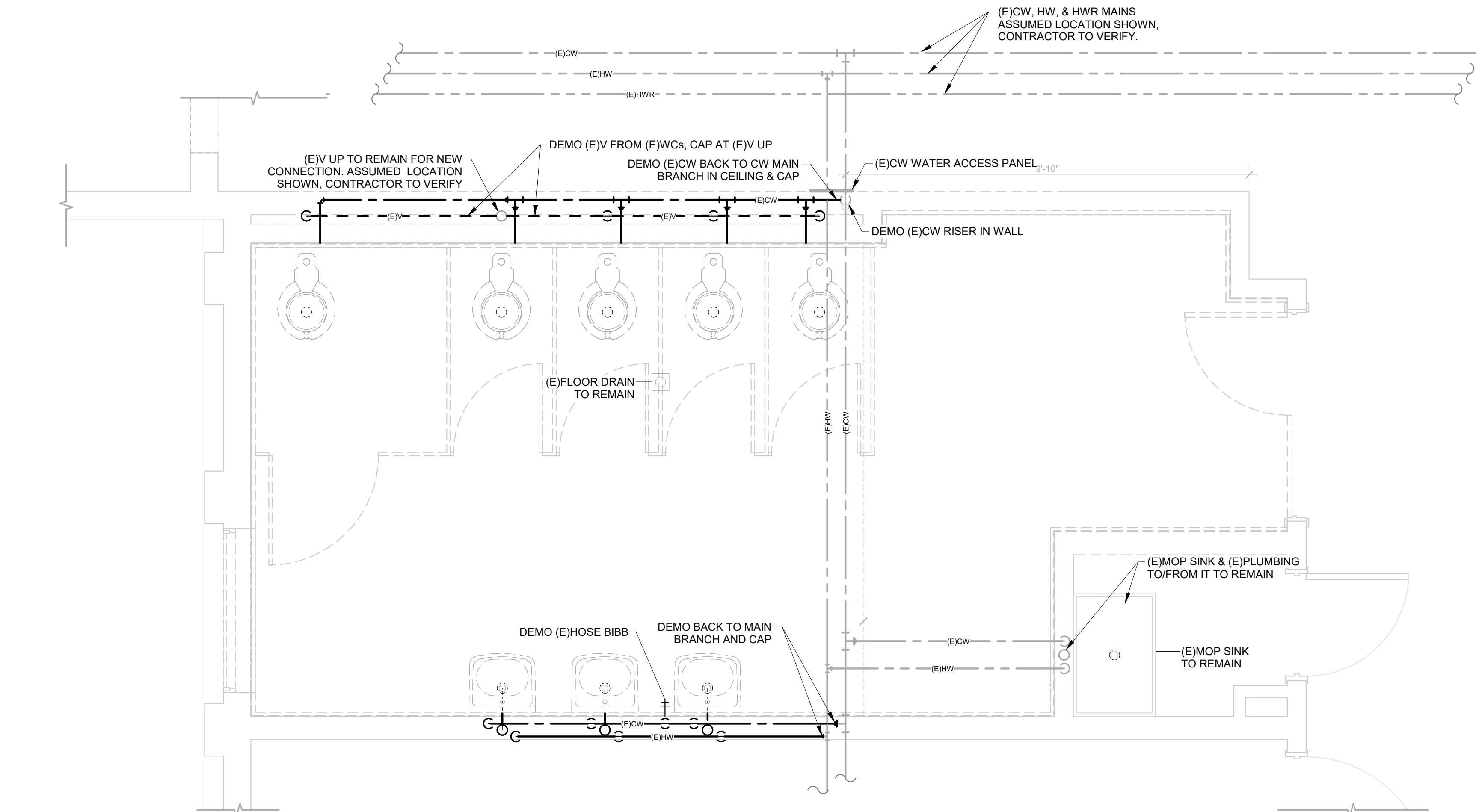
SHEET TITLE:
PLUMBING SCHEDULES AND DETAILS

P1.1

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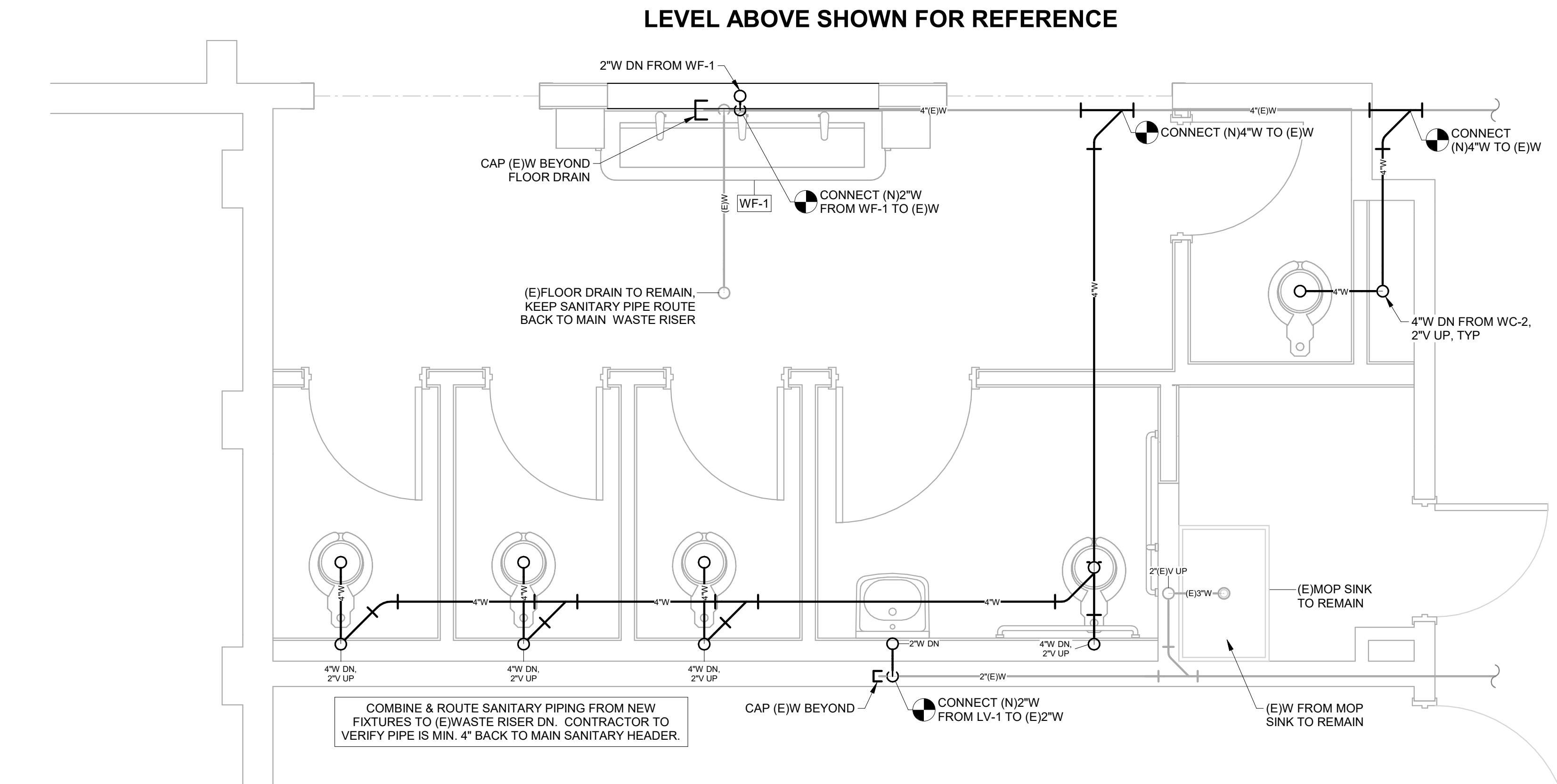


2 PLUMBING MAIN BUILDING UNDER FLOOR - DEMO PLAN
P2.0 1/2" = 1'-0"

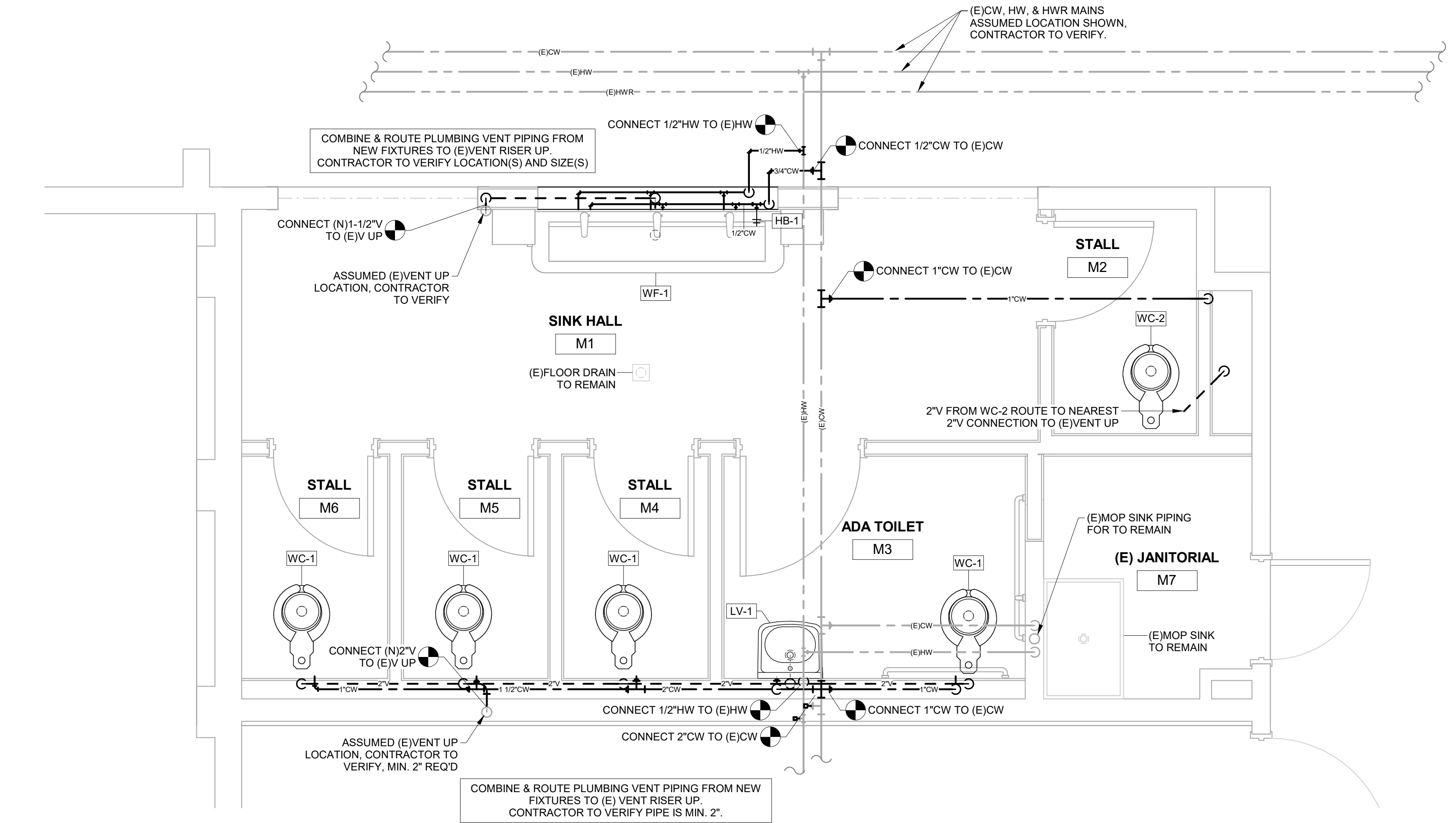


1 PLUMBING MAIN BUILDING - DEMO PLAN
P2.0 1/2" = 1'-0"

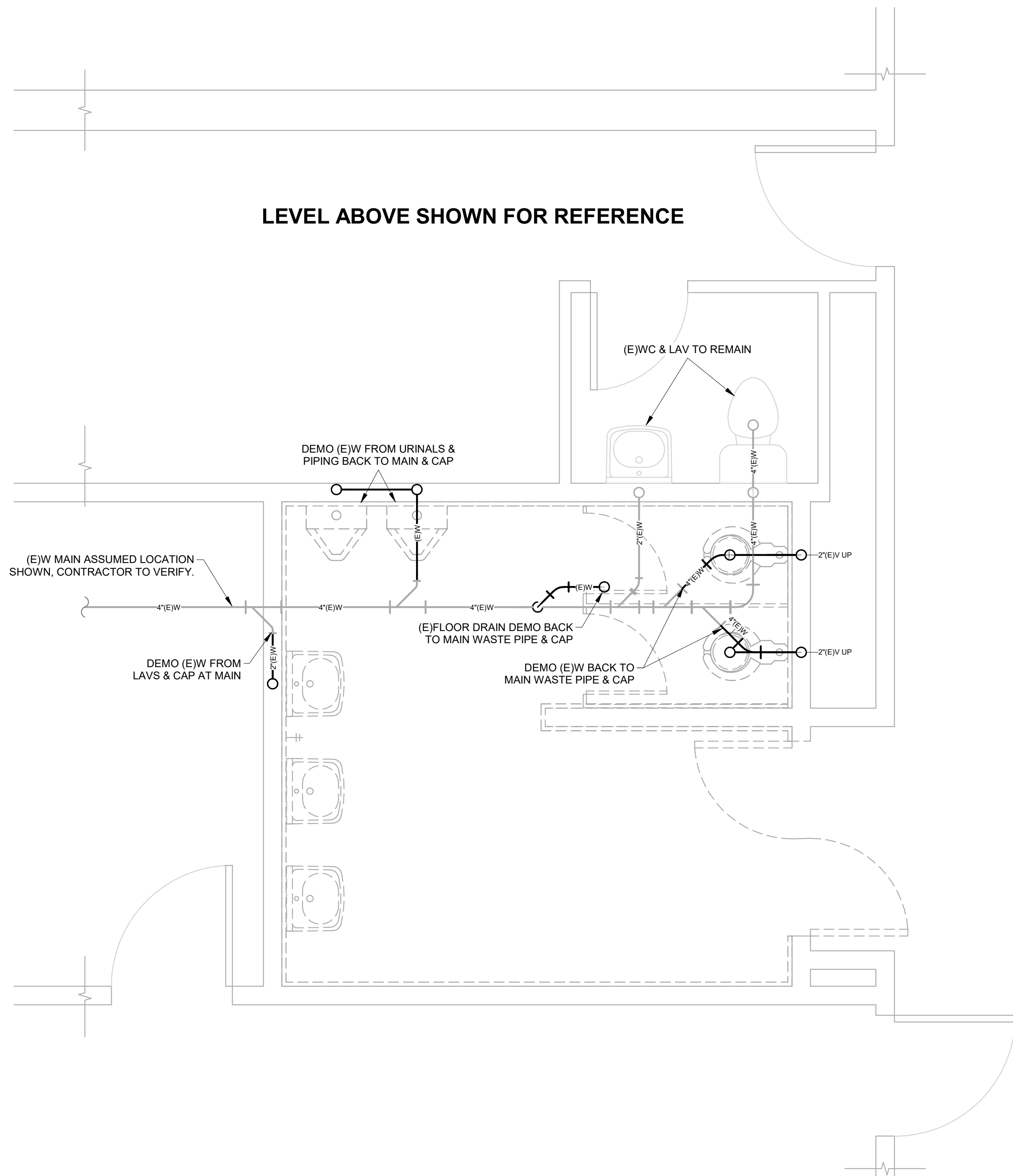
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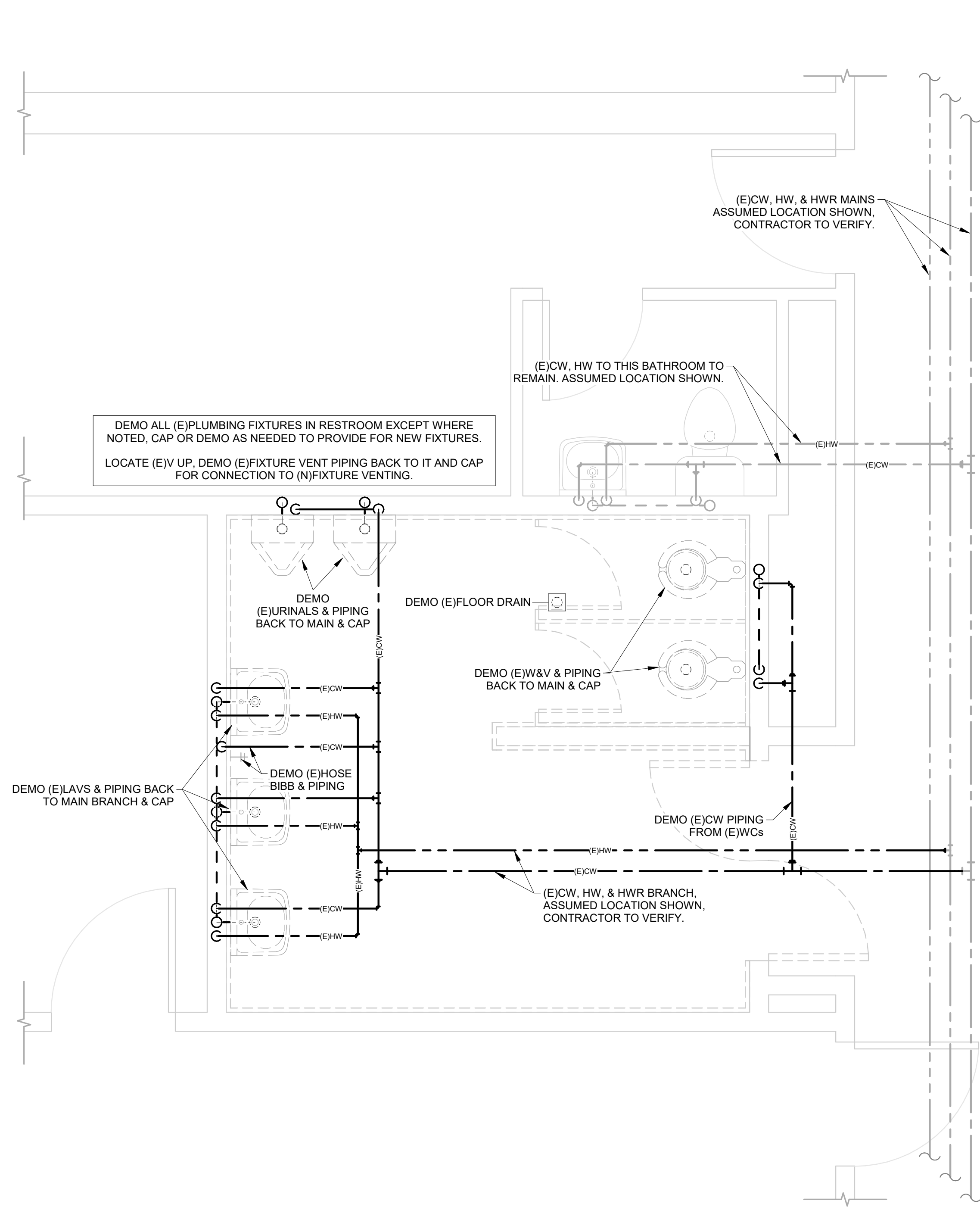
1 PLUMBING MAIN BUILDING - RESTROOM UNDER FLOOR PLAN
P2.1 1/2" = 1'-0"



2 PLUMBING MAIN BUILDING - RESTROOM PLAN
P2.1 1/2" = 1'-0"

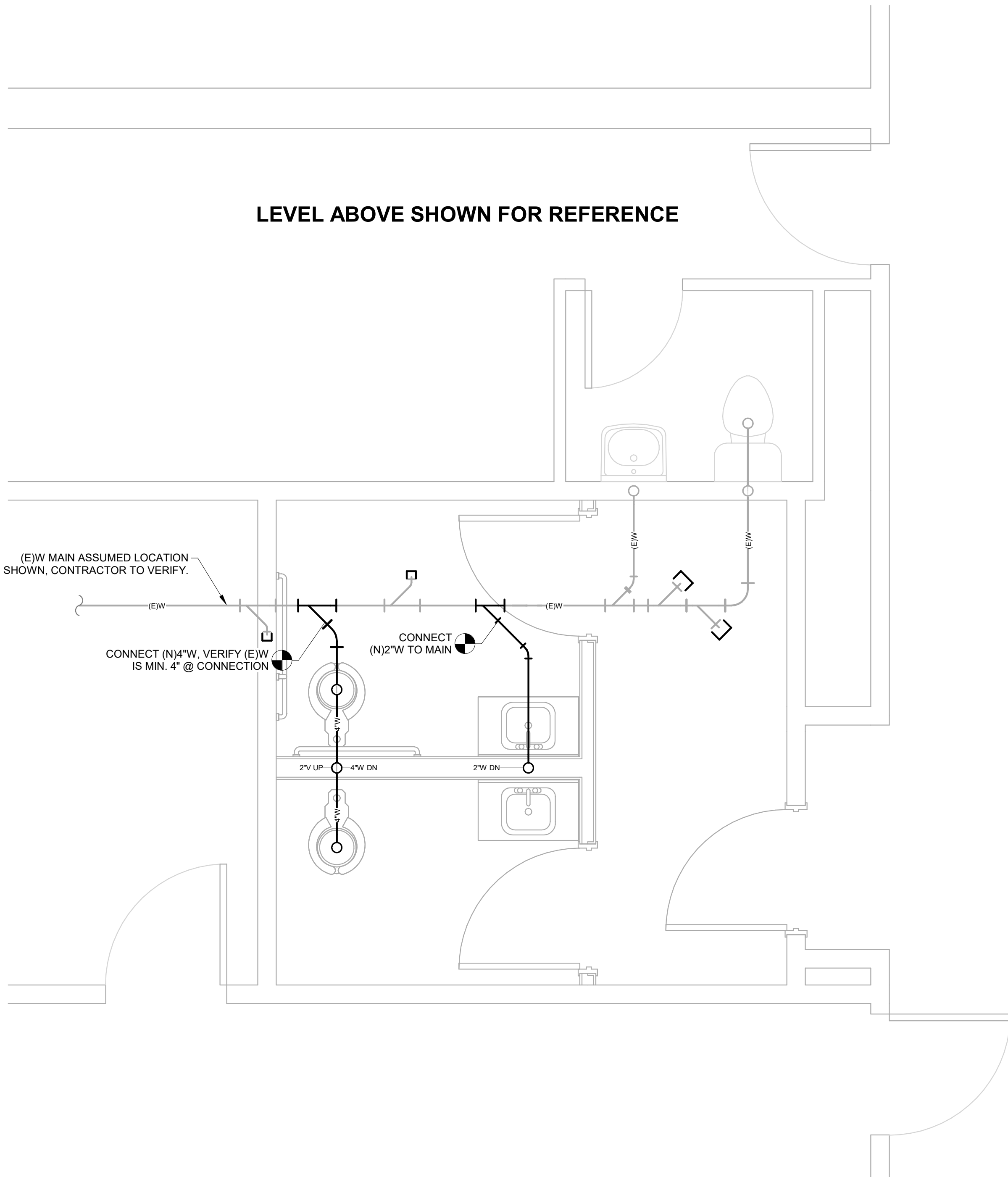


1 PLUMBING STAFF RESTROOM UNDER FLOOR - DEMO PLAN (ALTERNATE BID)
P2.2 1/2" = 1'-0"

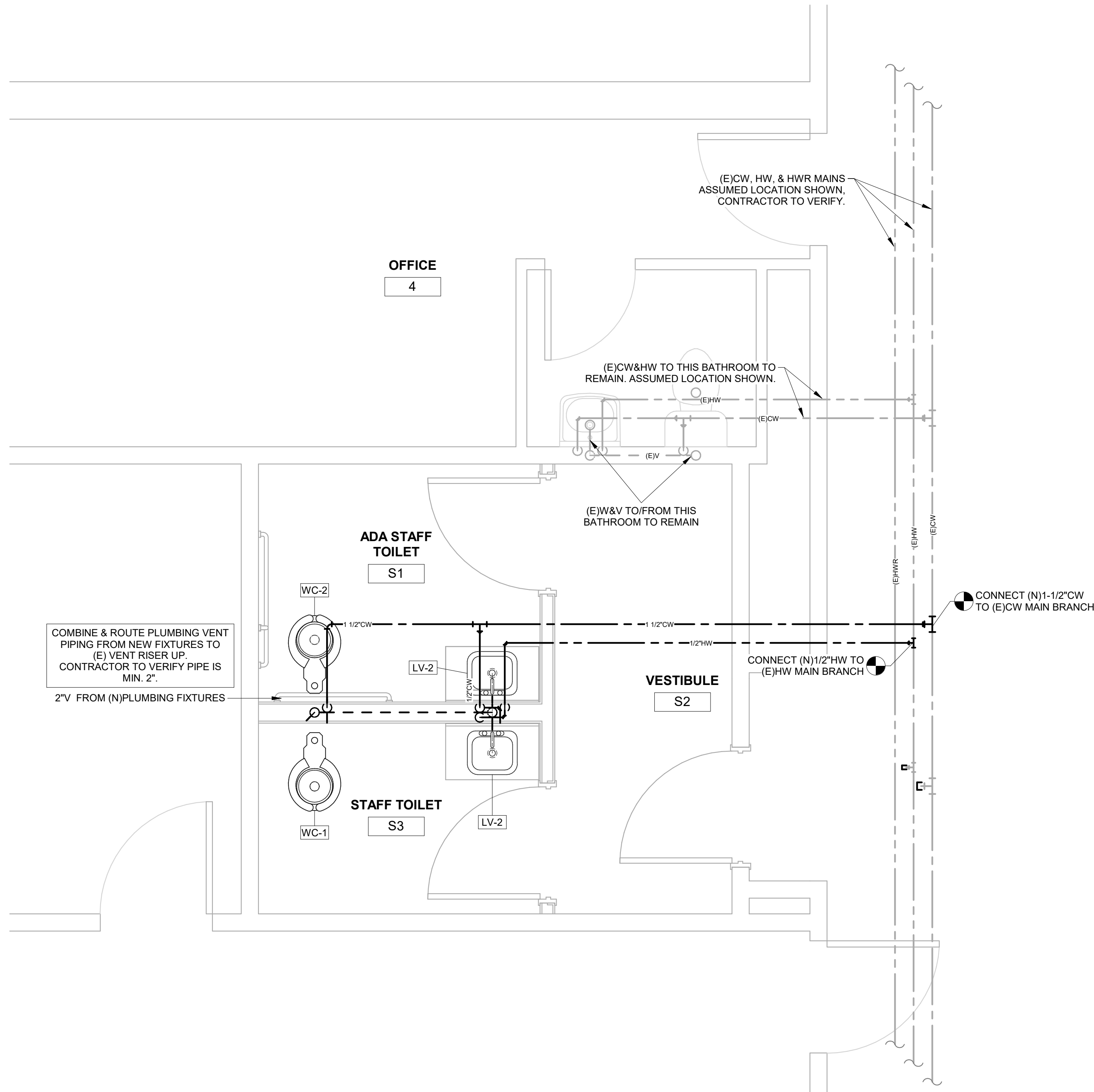


2 PLUMBING STAFF RESTROOM - DEMO PLAN (ALTERNATE BID)
P2.2 1/2" = 1'-0"

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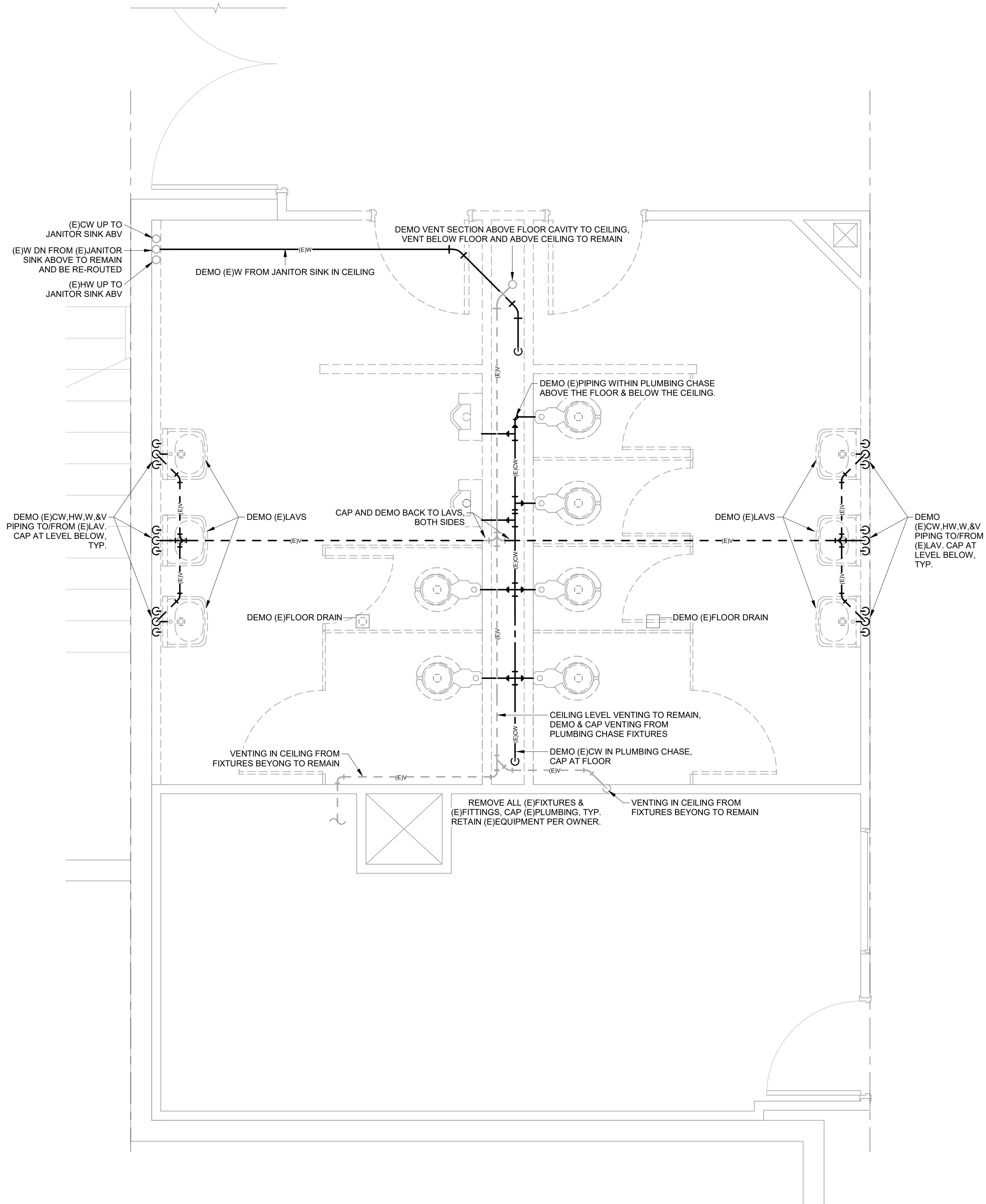
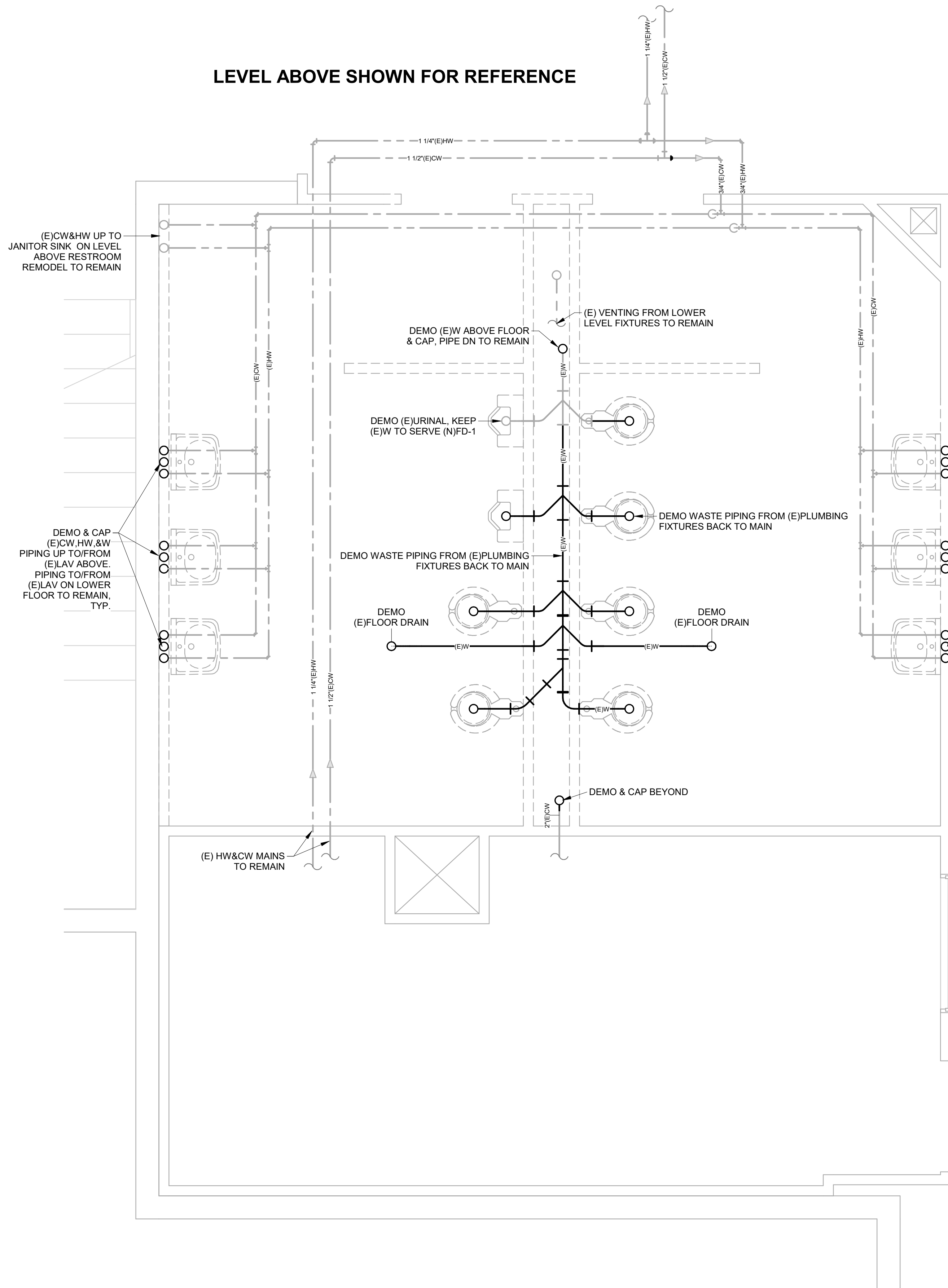


1 STAFF RESTROOM PLAN UNDER FLOOR PLAN (ALTERNATE BID)
P2.3 1/2" = 1'-0"

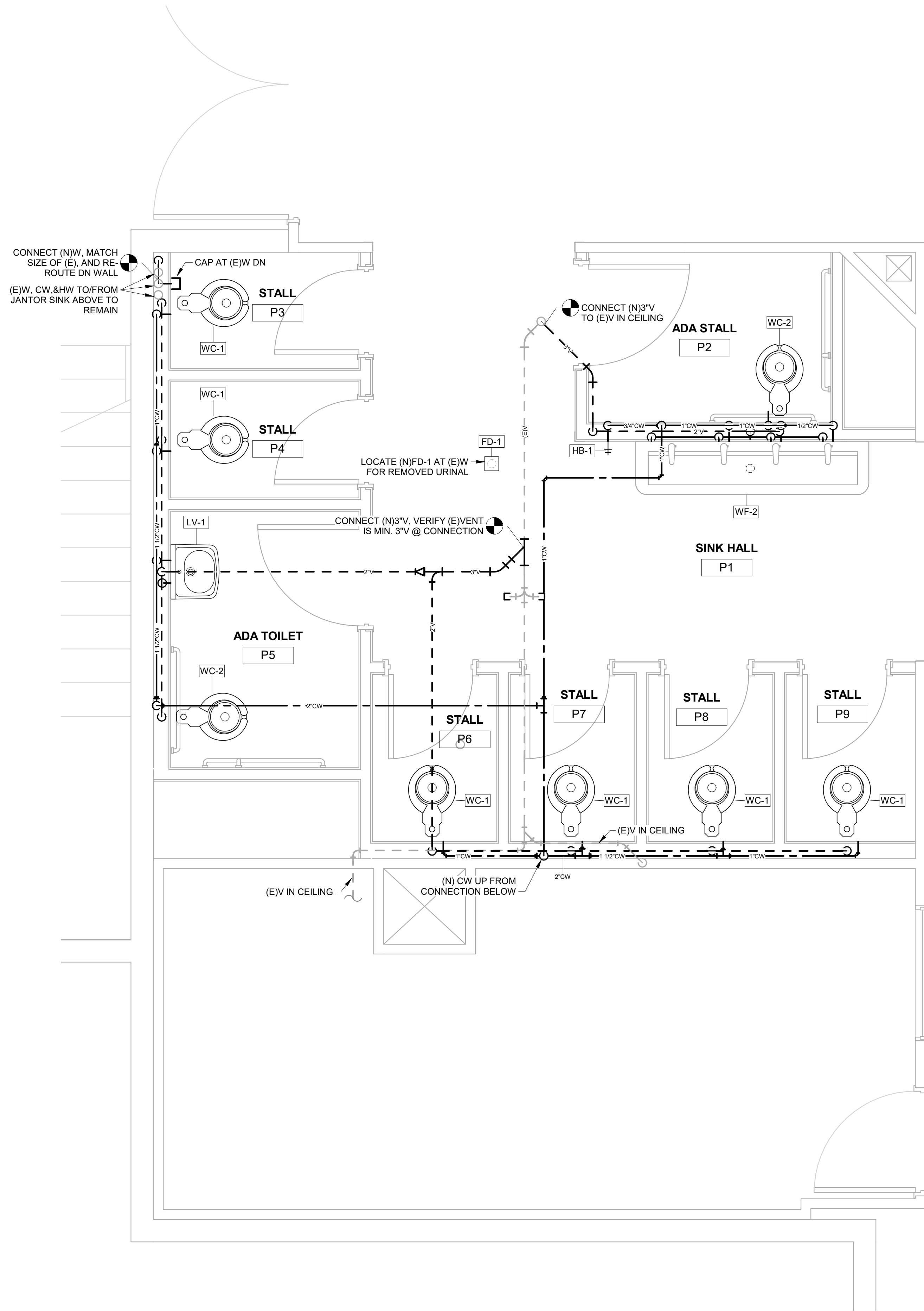
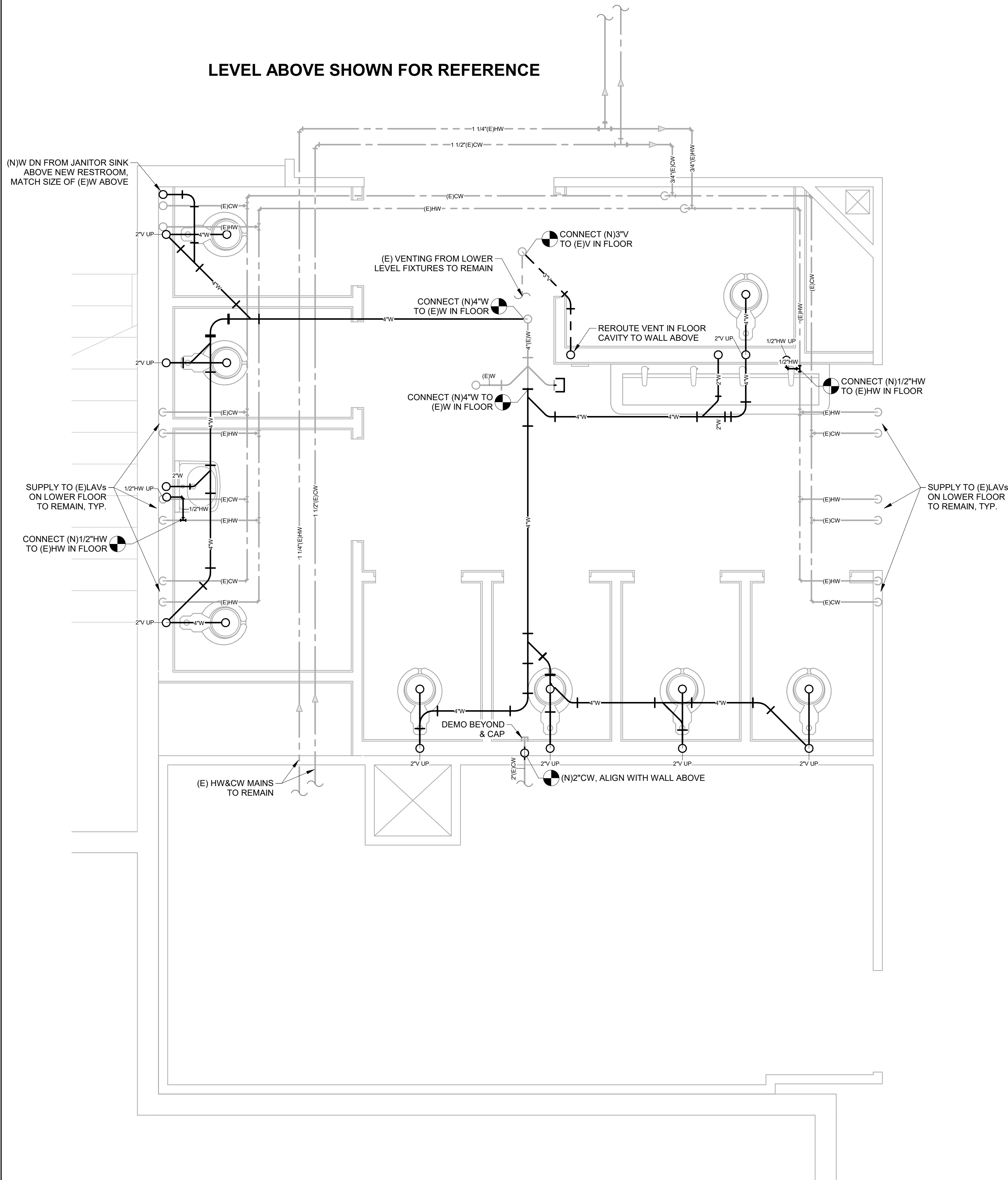


2 STAFF RESTROOM PLAN (ALTERNATE BID)
P2.3 1/2" = 1'-0"

LEVEL ABOVE SHOWN FOR REFERENCE



5/16/2025 6:57:24 PM



 --- **SUPPLY AIR DIFFUSER**
 --- **RETURN AIR GRILLE**
 --- **EXHAUST AIR GRILLE**
 --- **PERFORATED RETURN AIR PANEL**

OR --- **DIRECTIONAL AIR FLOW**
 --- **MANUAL VOLUME DAMPER**

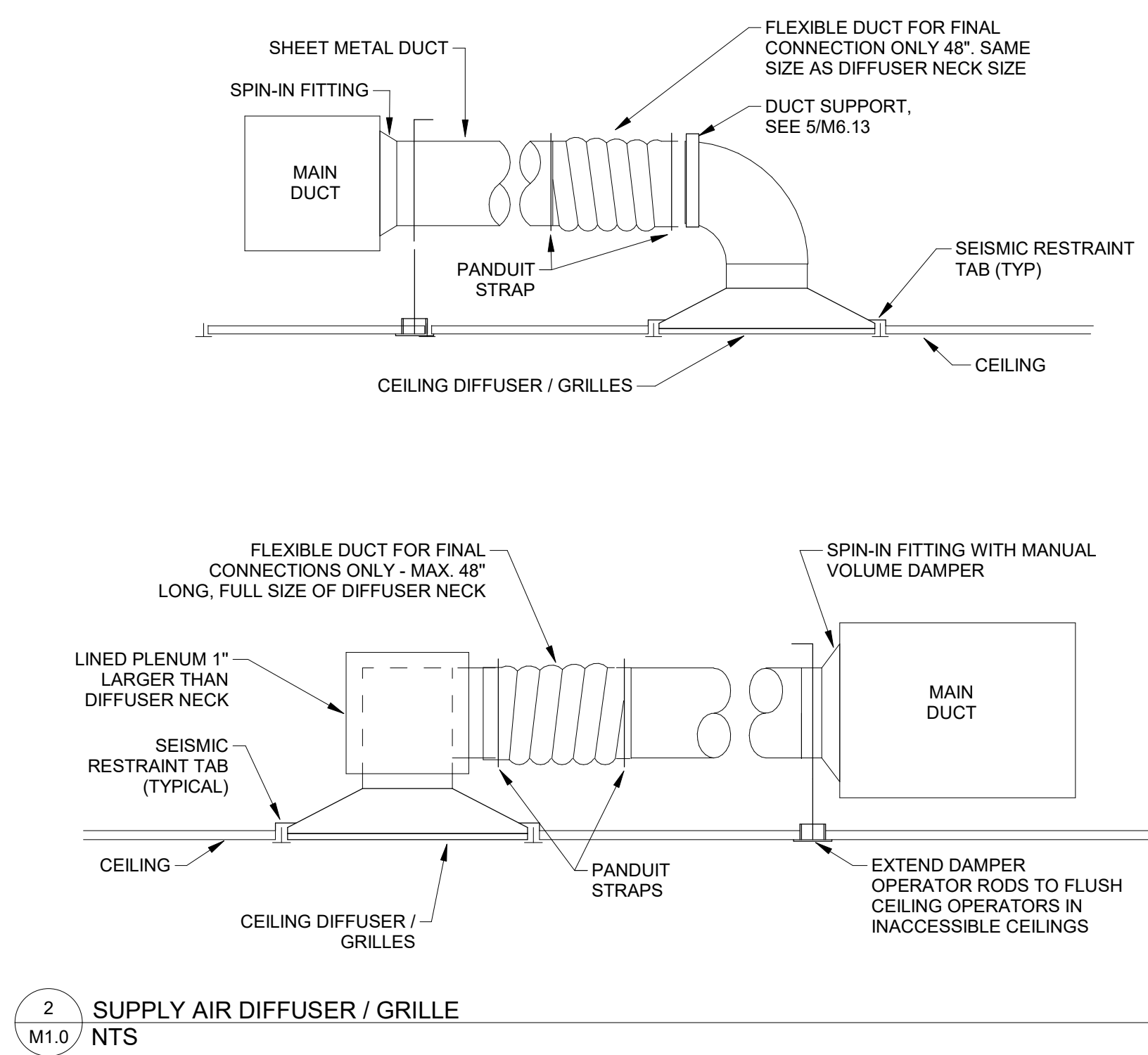
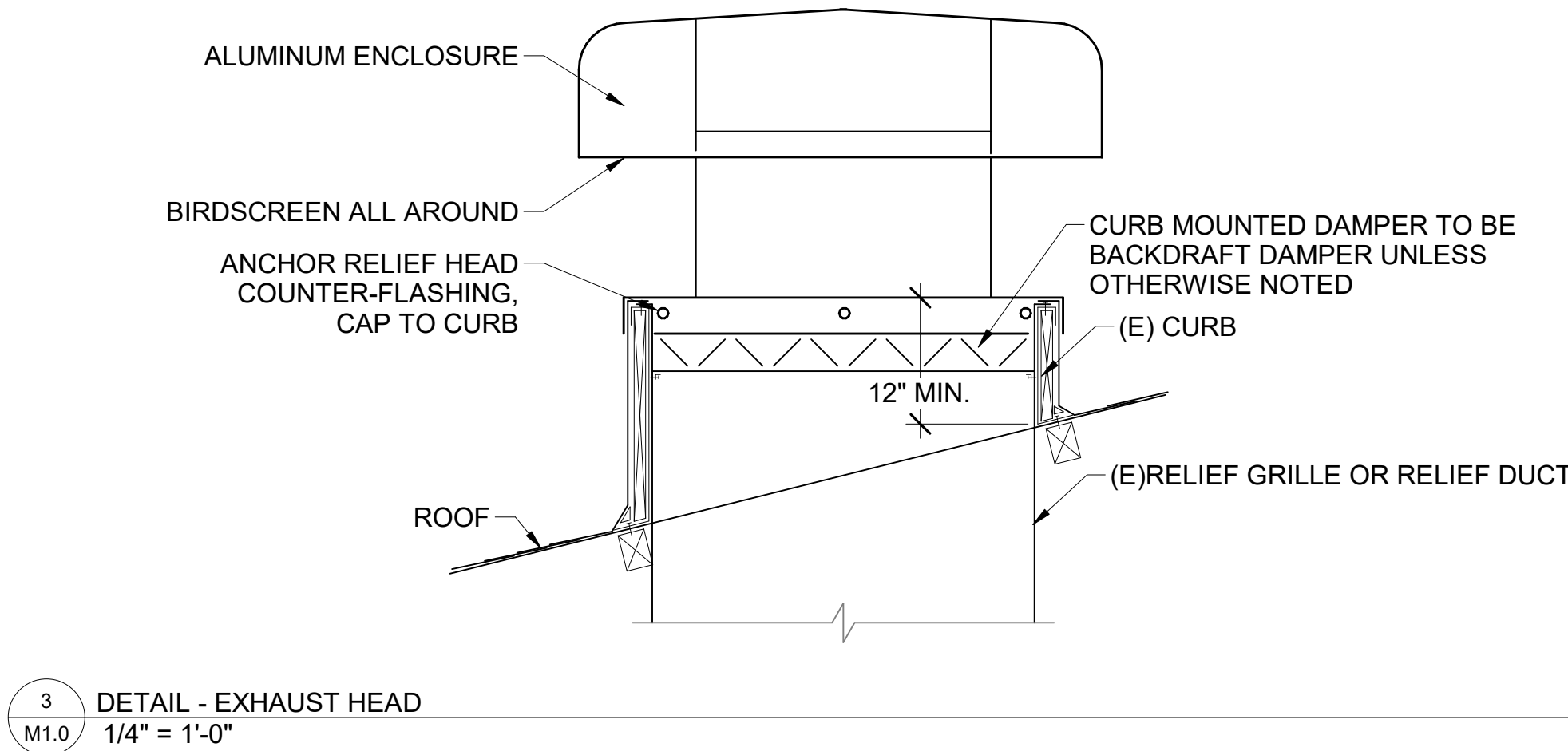
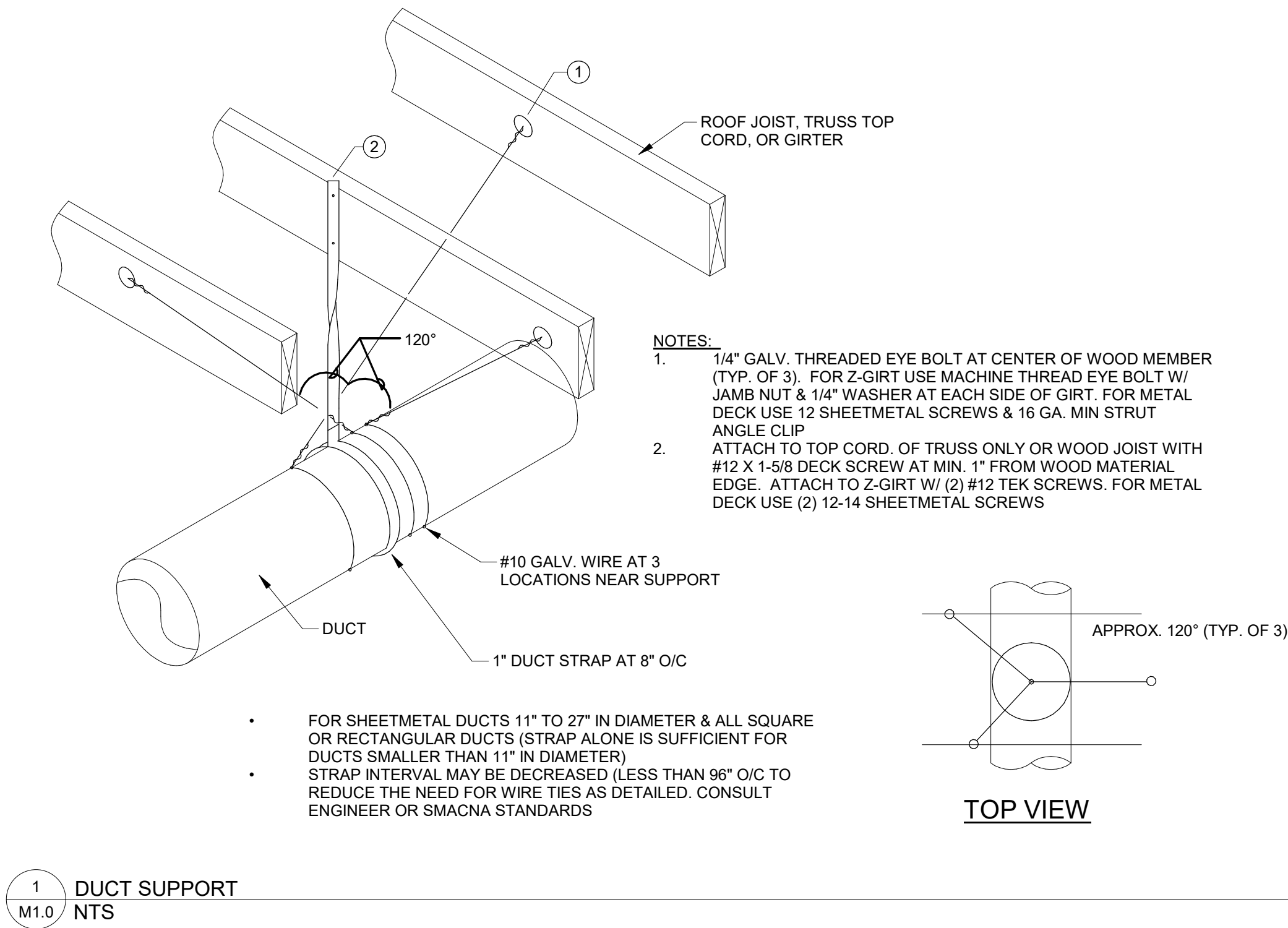
 --- **SUPPLY OR OUTSIDE AIR DUCT UP & DOWN**
 --- **RETURN AIR DUCT UP & DOWN**
 --- **EXHAUST AIR DUCT UP & DOWN**

 --- **SUPPLY OR OUTSIDE AIR DUCT UP & DOWN**
 --- **RETURN AIR DUCT UP & DOWN**
 --- **EXHAUST AIR DUCT UP & DOWN**

	---	VAV TERMINAL UNIT
	---	VVT TERMINAL UNIT
(E)	---	EXISTING
	---	CONNECT TO EXISTING
	AC-4	THERMOSTAT OR TEMP. SENSOR
	---	NOTE
	---	EQUIPMENT DESIGNATOR
	---	BALL VALVE
	---	GATE VALVE
	---	CHECK VALVE
	---	BALANCING VALVE
	---	THERMOMETER
	---	DIRECTION OF FLOW
	---	PUMP
	---	STRAINER
	---	PRESSURE GAUGE
	---	PETE'S PLUG
	---	DOUBLE CHECK ASSEMBLY
	---	PRESSURE REDUCING VALVE
	---	UNION
	---	2-WAY CONTROL VALVE
	---	3-WAY CONTROL VALVE
	---	CAP
	---	SMOKE DETECTOR
	---	MOTORIZED DAMPER

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

(E)	-	EXISTING
(D)	-	DEMOLISH
COND	-	CONDENSATE
G	-	GAS
HWS	-	HEATING WATER SUPPLY
HWR	-	HEATING WATER RETURN
R	-	REFRIGERANT
RAD	-	RADON



BOTTOM DUCT
 TOP DUCT
DUCT CROSSING

TURNING VANES IN ALL SQUARE ELLS AND TEES
TURNING VANES

LAGGED DUCTWORK
LAGGED DUCTWORK

RECT. TO RECT.
 15° MAX.
TRANSITIONS

RECT. TO ROUND
 15° MAX.
TRANSITIONS

SPECIFICATION REFERENCE
 SA = SUPPLY DIFFUSER
 RA = MATCHED RETURN
 EX = EXH GRILLE

8" SA
 200 CFM
 NECK SIZE
 BALANCED AIRFLOW, CFM.

ARROWS INDICATE DIRECTION OF AIR FLOW
 CEILING DIFFUSER/GRILLE
 FLEX DUCT - MAX 48"
 BRANCH DUCT
 SPIN-IN FITTING WHERE APPLICABLE, GENFLEX SM-1DEL (WITH DAMPER AND 45" EXTRACTOR) OR APPROVED EQUAL.
 MANUAL VOLUME DAMPER
 MAIN DUCT
AIR TERMINALS

15° < A ≤ 90°
 SMOOTH RADIUS ELBOW, W/O VANES
 R/W = 1.0
ELBOWS

A ≤ 15°
 MITERED ELBOW
ELBOWS

SIDEWALL DIFFUSER/GRILLE
 WALL
 ROUND SA/RA DUCT
 TRANSITION FROM MAIN TO ROUND (MIN. CROSS-SECTIONAL AREA TO MATCH ROUND).
 MANUAL VOLUME DAMPER
 ROUND DUCT TRANSITION W/ SPIN-IN FITTING OFF TOP OF RECTANGULAR MAIN

ROUND OR RECTANGULAR MAIN
 6"
 1"
 ROUND DUCT W/ CONICAL FITTING
ROUND DUCT TEE

MARK/ NUMBER	EF 3	EF 4
TYPE	ROOF MOUNTED, REPLACEMENT	ROOF MOUNTED, REPLACEMENT
SYSTEM	EXHAUST SYSTEM NORTH	EXHAUST SYSTEM SOUTH
CFM	2625	5600
WHEEL TYPE	DOWNBLAST CENTRIFUGAL	DOWNBLAST CENTRIFUGAL
DRIVE	BELT	BELT
EXT. STATIC PRESS (IN. WC)	0.5	1.25
RPM	1725	1725
CONTROLLED BY	DDC (1)	DDC (1)
BACKDRAFT DAMPER	YES	YES
MOTORIZED DAMPER	NO	NO
MAXIMUM SONES	13.5	17.3
VOLTAGE/PHASE	460/3	460/3
ENCLOSURE	TEFC -PM	ODP -PE
FLA	2.1	4.8
VFD RATED	YES	YES
HP	1 HP	3 HP
SHIPPING WEIGHT (LBS)	160	80
BASIS OF DESIGN: COOK	ACE-D VF	ACE-B
NOTES	1	1
1. RECONNECT TO EXISTING CONTROLS WIRING		

MECHANICAL DRAWING INDEX	
SHEET NUMBER	SHEET NAME
M1.0	MECHANICAL COVERSHEET
M2.0	ENLARGED MECHANICAL PLANS - LEVEL 1
M2.1	ENLARGED MECHANICAL PLANS - LEVEL 2
M3.0	MECHANICAL MAIN BUILDING - RESTROOM PLANS
M3.1	MECHANICAL STAFF RESTROOM PLANS (ALTERNATE BID)
M3.2	MECHANICAL PIRATE HALL - RESTROOM PLANS (ALTERNATE BID)

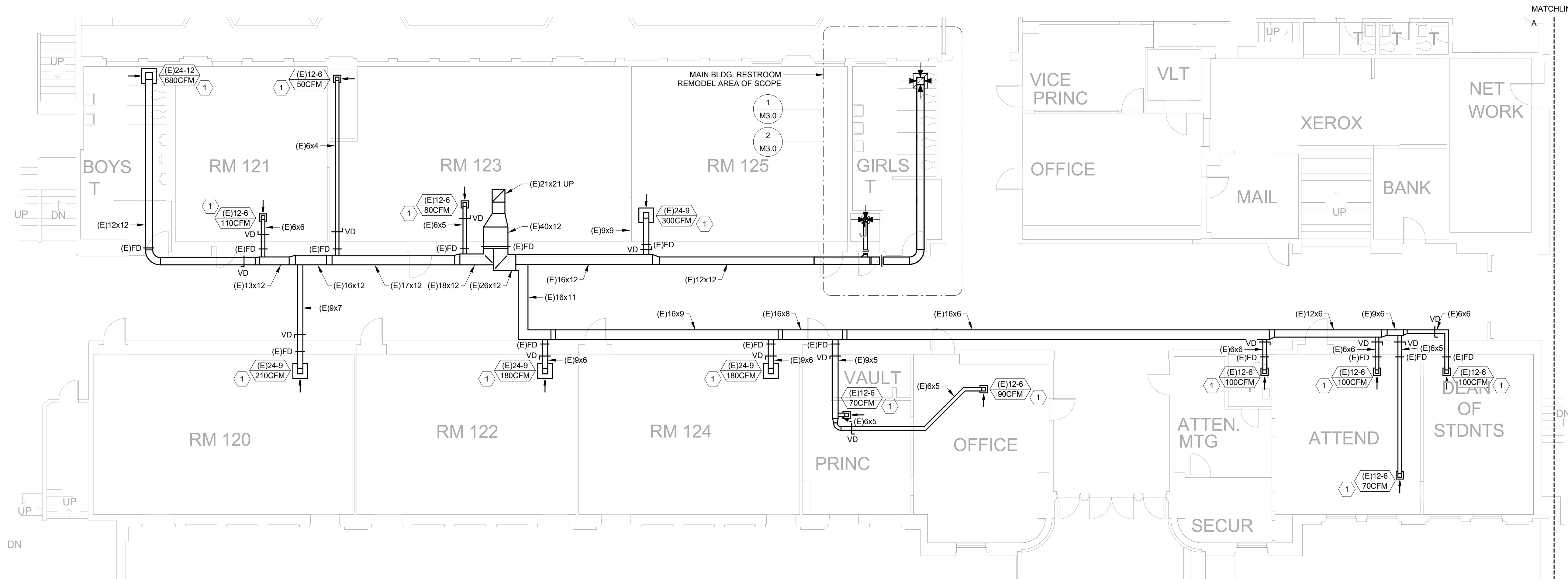
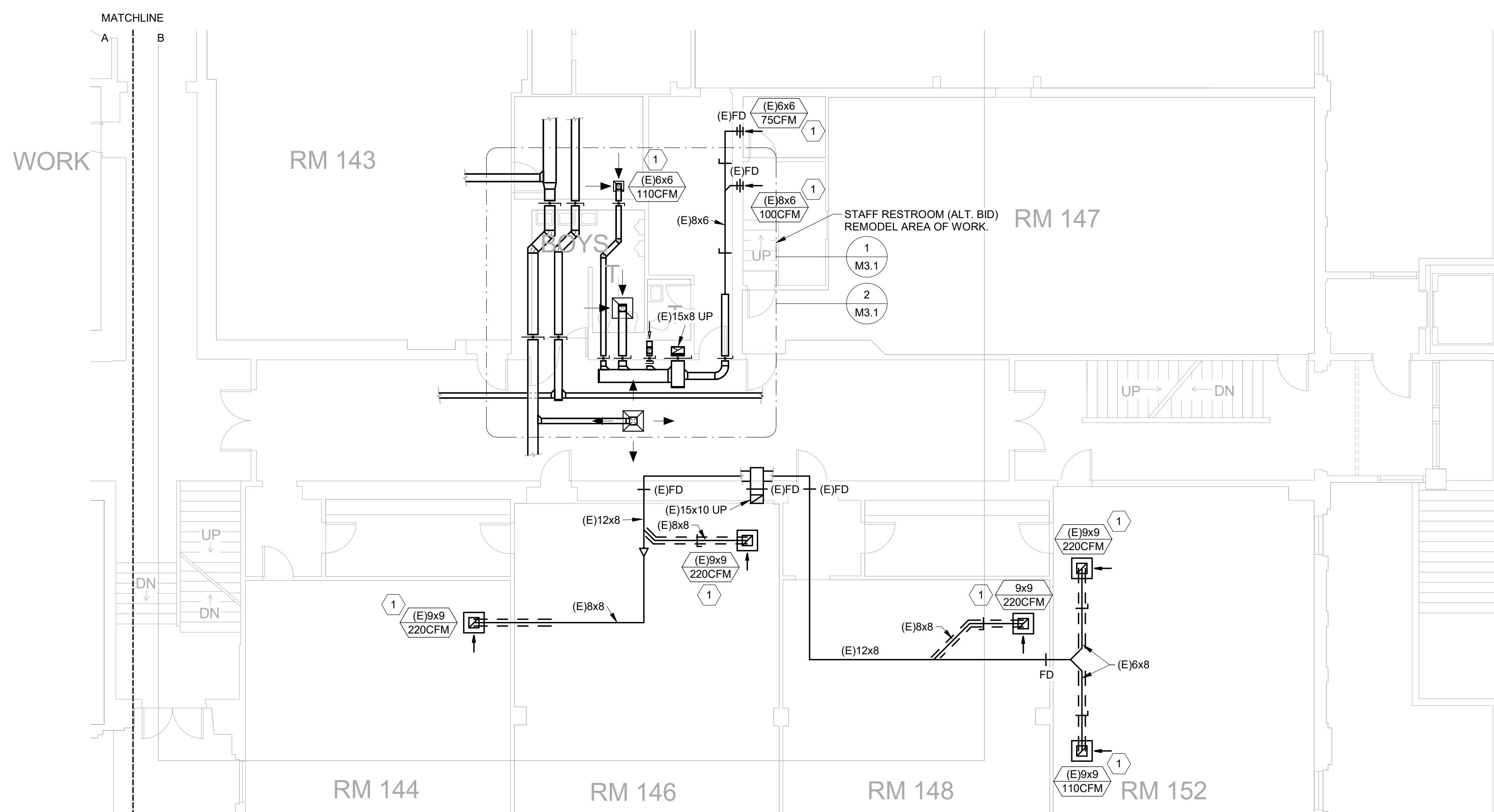
CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

SHEET TITLE:
**ENLARGED
MECHANICAL PLANS -
LEVEL 1**

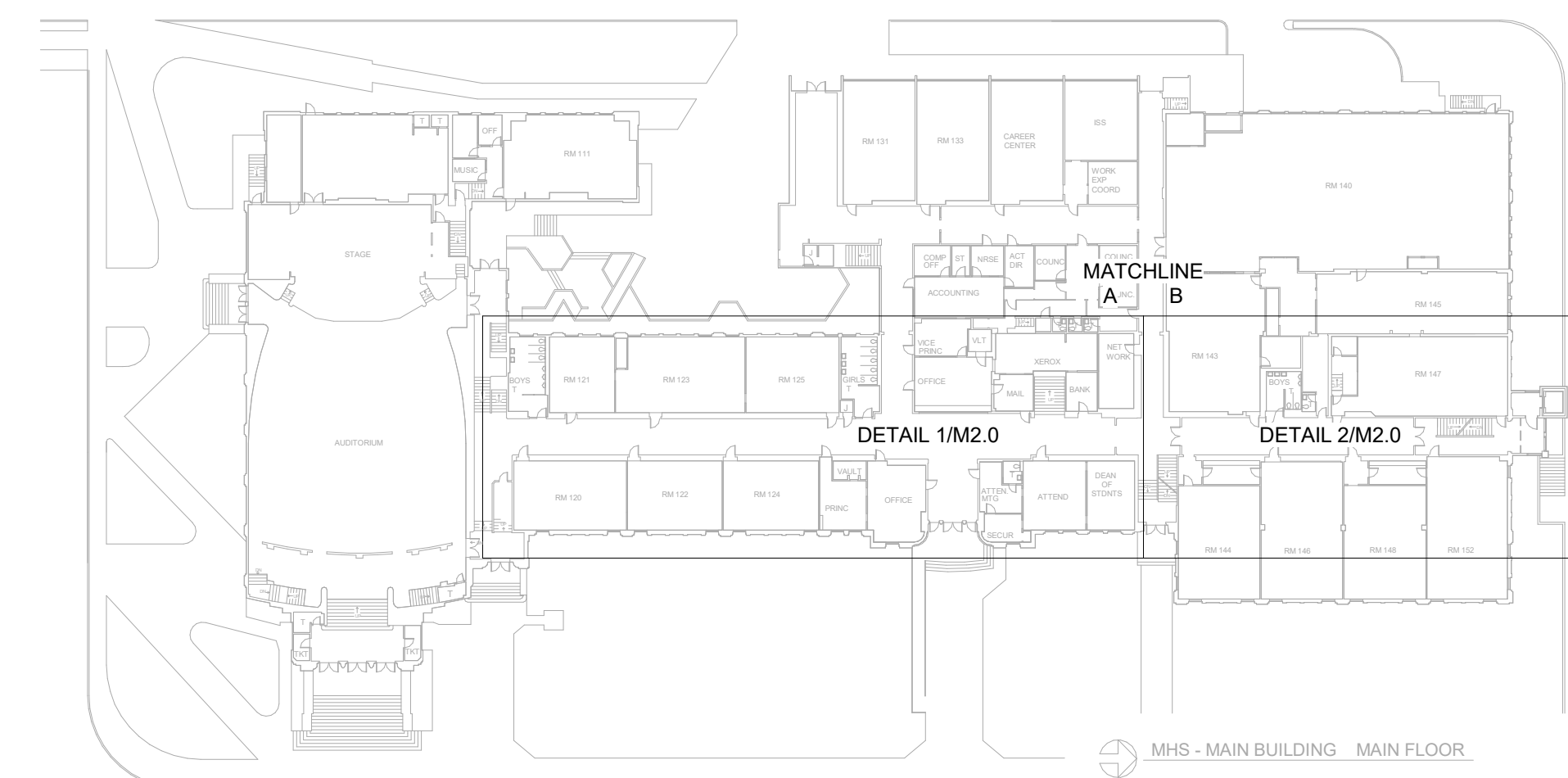
M2.0

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M2.0
ENLARGED MECHANICAL PLAN - LEVEL 1 SOUTH
1/8" = 1'-0"2
M2.0
ENLARGED MECHANICAL PLAN - LEVEL 1 NORTH
1/8" = 1'-0"

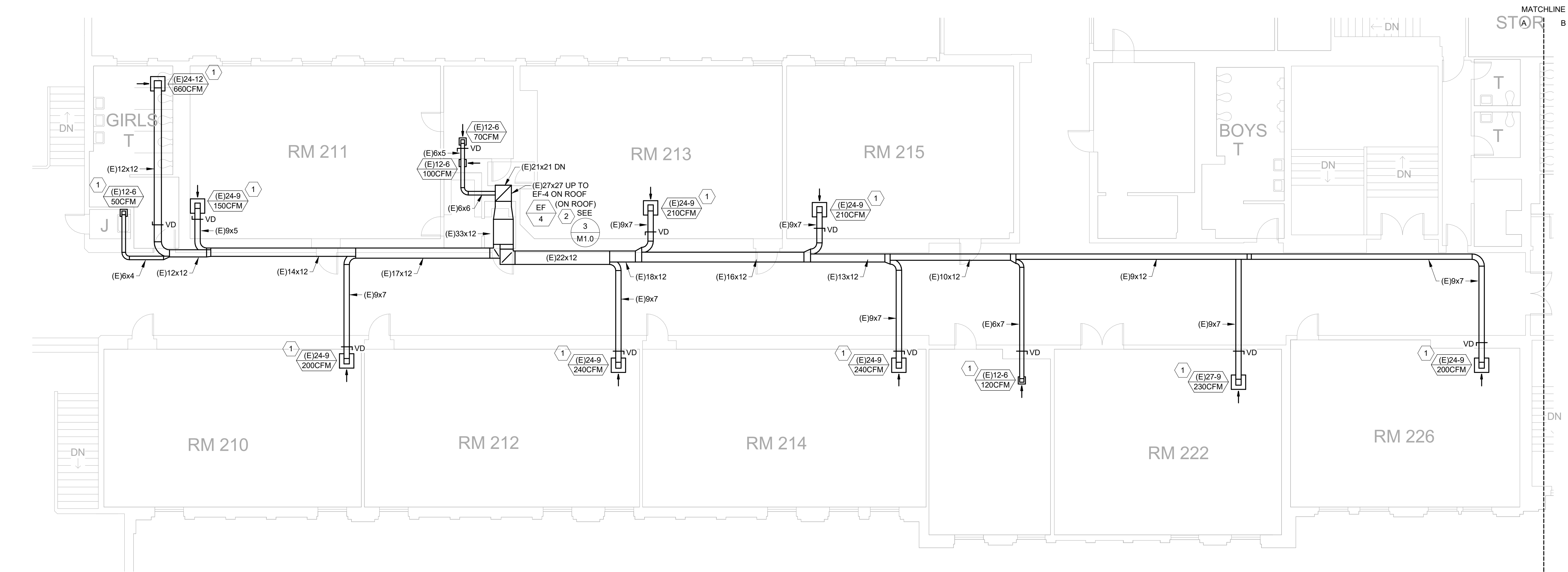
KEYNOTES

1 BALANCE EXISTING EXHAUST GRILLE TO AIRFLOW INDICATED.

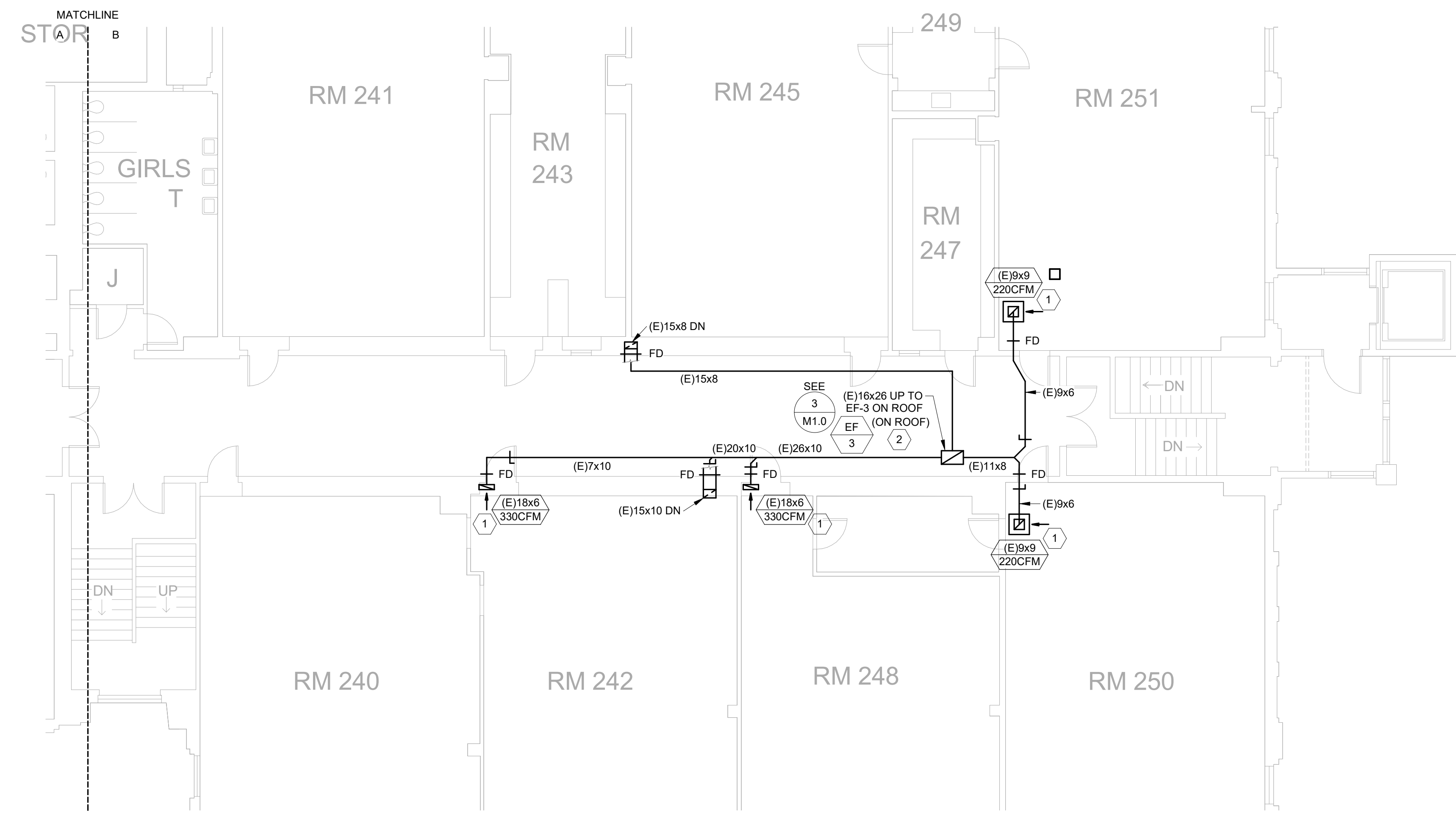
KEY



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2 ENLARGED MECHANICAL PLAN - LEVEL 2 SOUTH
1/8" = 1'-0"

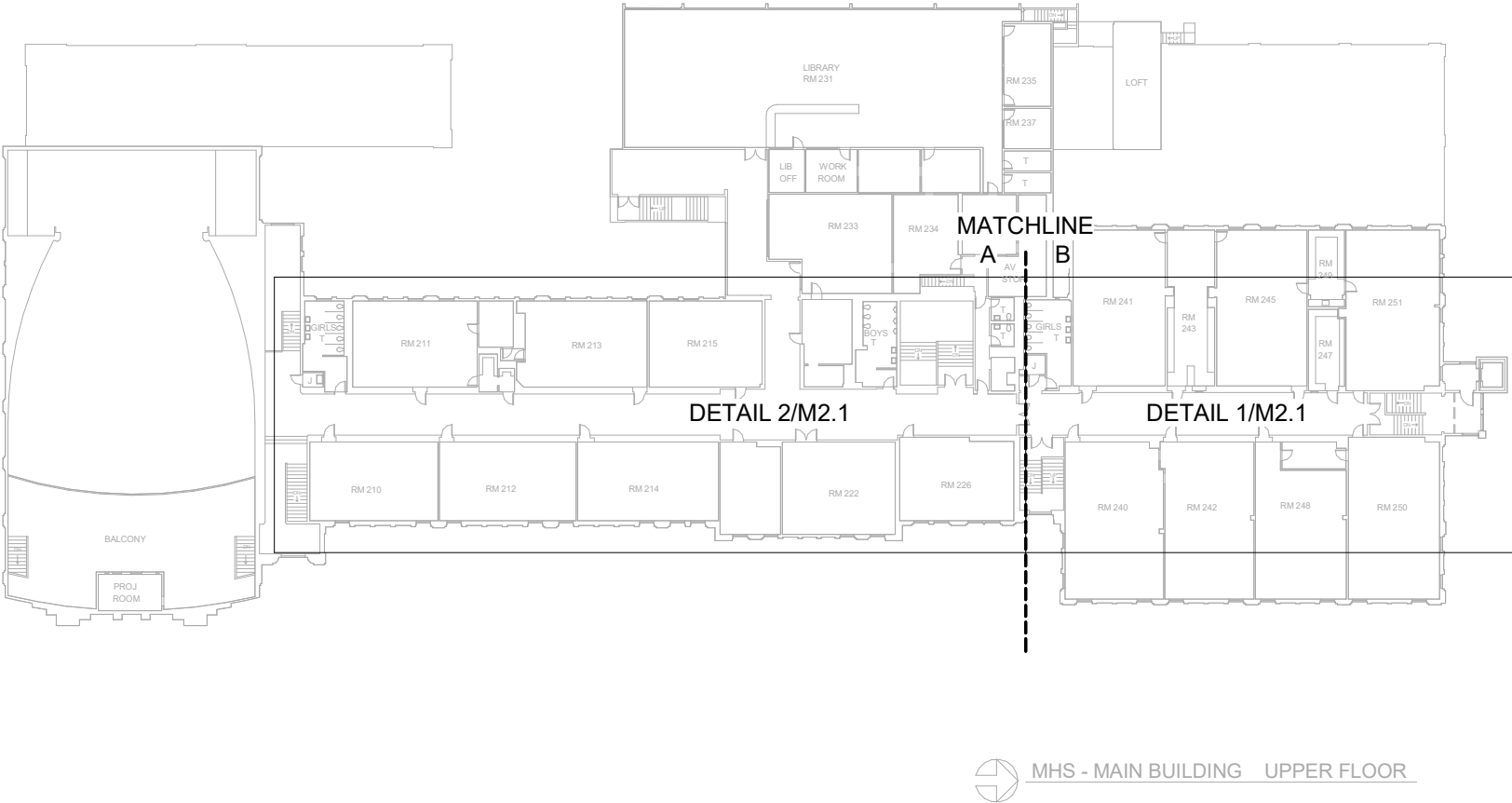


3 ENLARGED MECHANICAL PLAN - LEVEL 2 NORTH
1/8" = 1'-0"

KEYNOTES

- 1 BALANCE EXISTING EXHAUST GRILLE TO AIRFLOW INDICATED.
- 2 REMOVE EXISTING EXHAUST FAN AND REPLACE WITH NEW EXHAUST FAN ON (E)CURB.

KEY



HGE
ARCHITECTS.

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

M
FIA
INC.

Consulting Engineers
2007 SE Ash St.
Portland, Oregon
97214
PHN: 503-231-0548
www.mfia-eng.com
CONTACT: TAKAKO BAKER

REGISTERED PROFESSIONAL
ENGINEER
70996PE
Junko Baker
JULY 9, 2002
TAKAKO BAKER
EXPIRES: 12/31/25

PROJECT NO.: 24-072

24.072 - MHS RESTROOM REMODEL
COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420

CONSTRUCTION

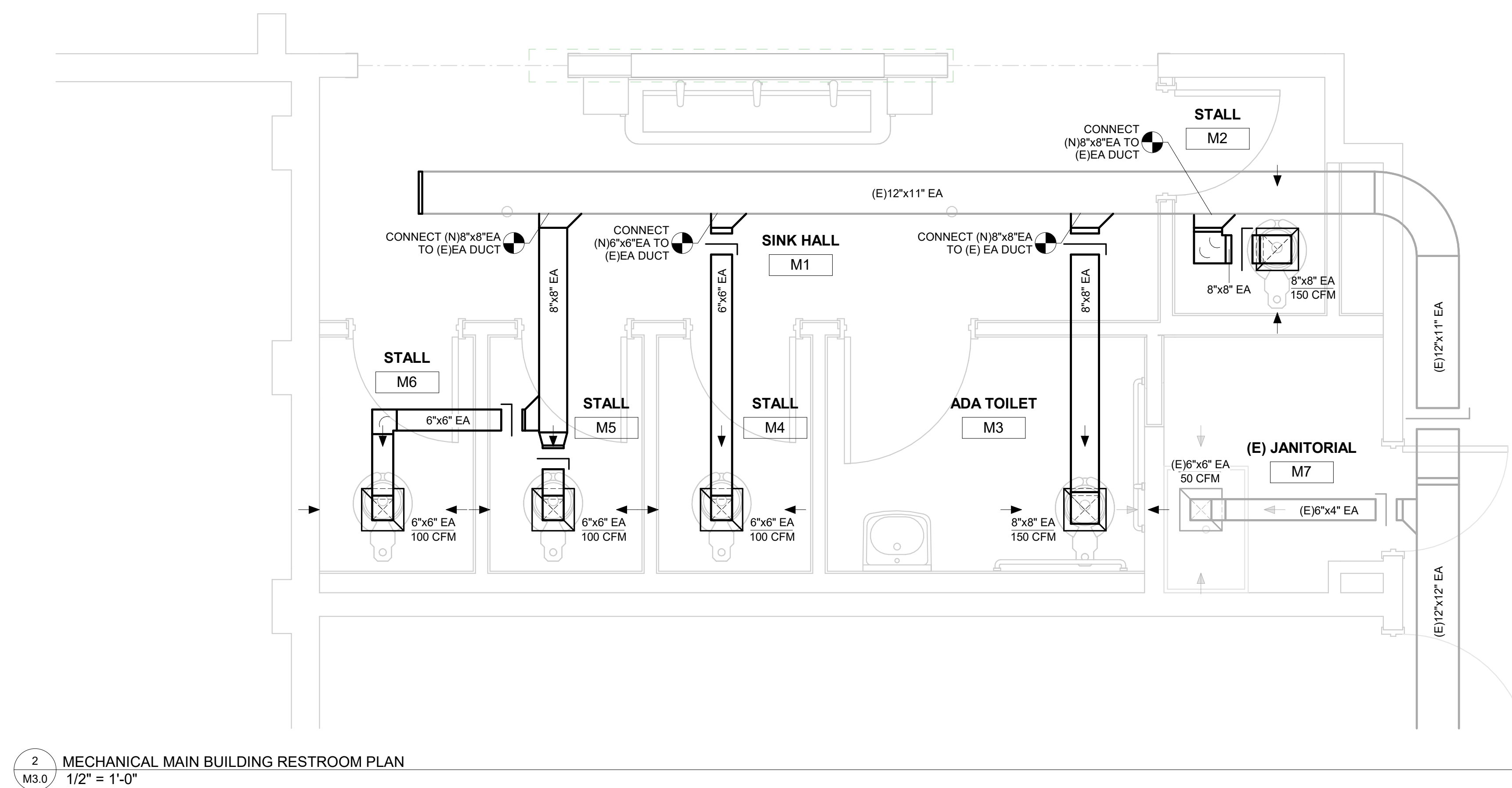
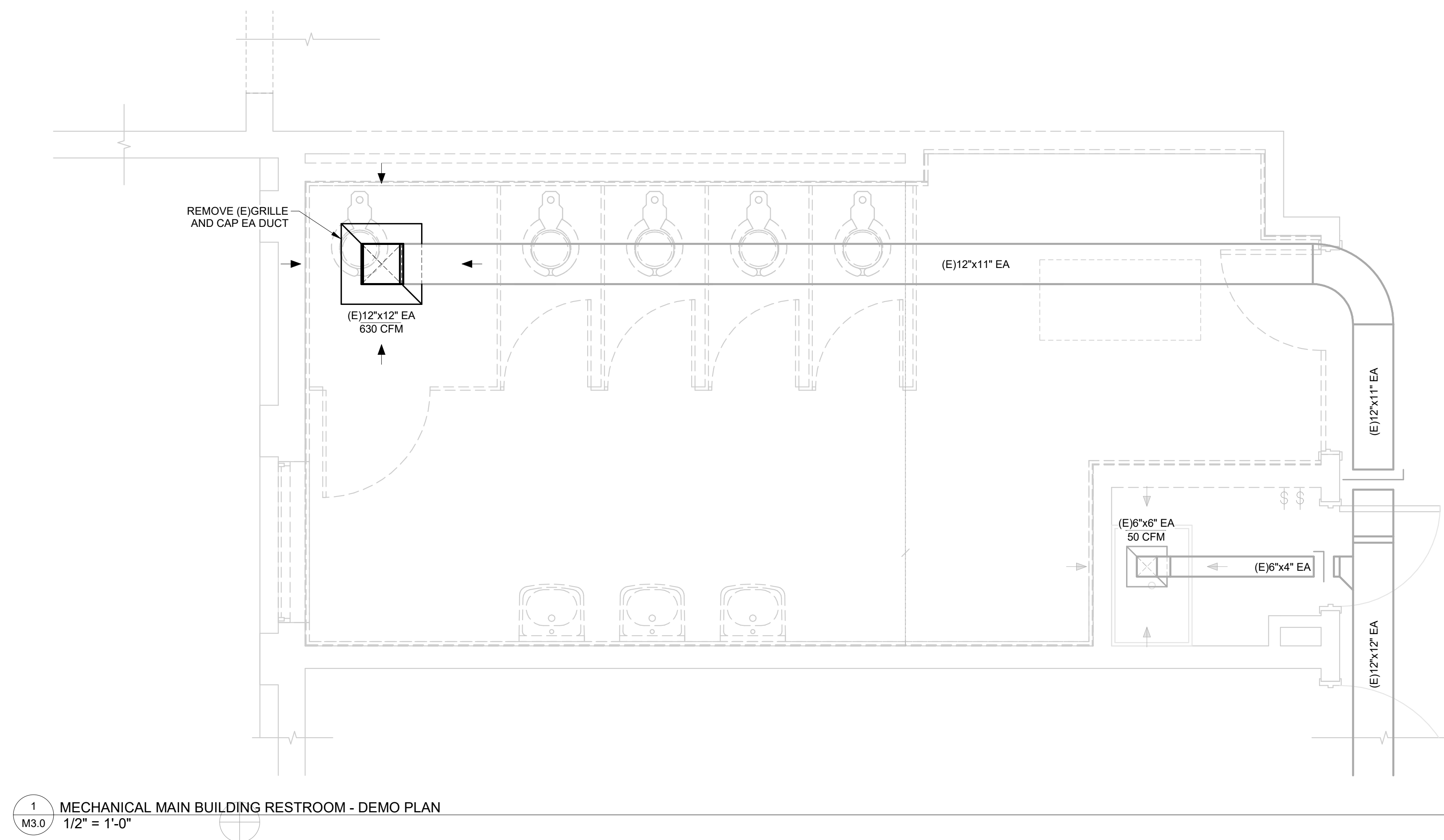
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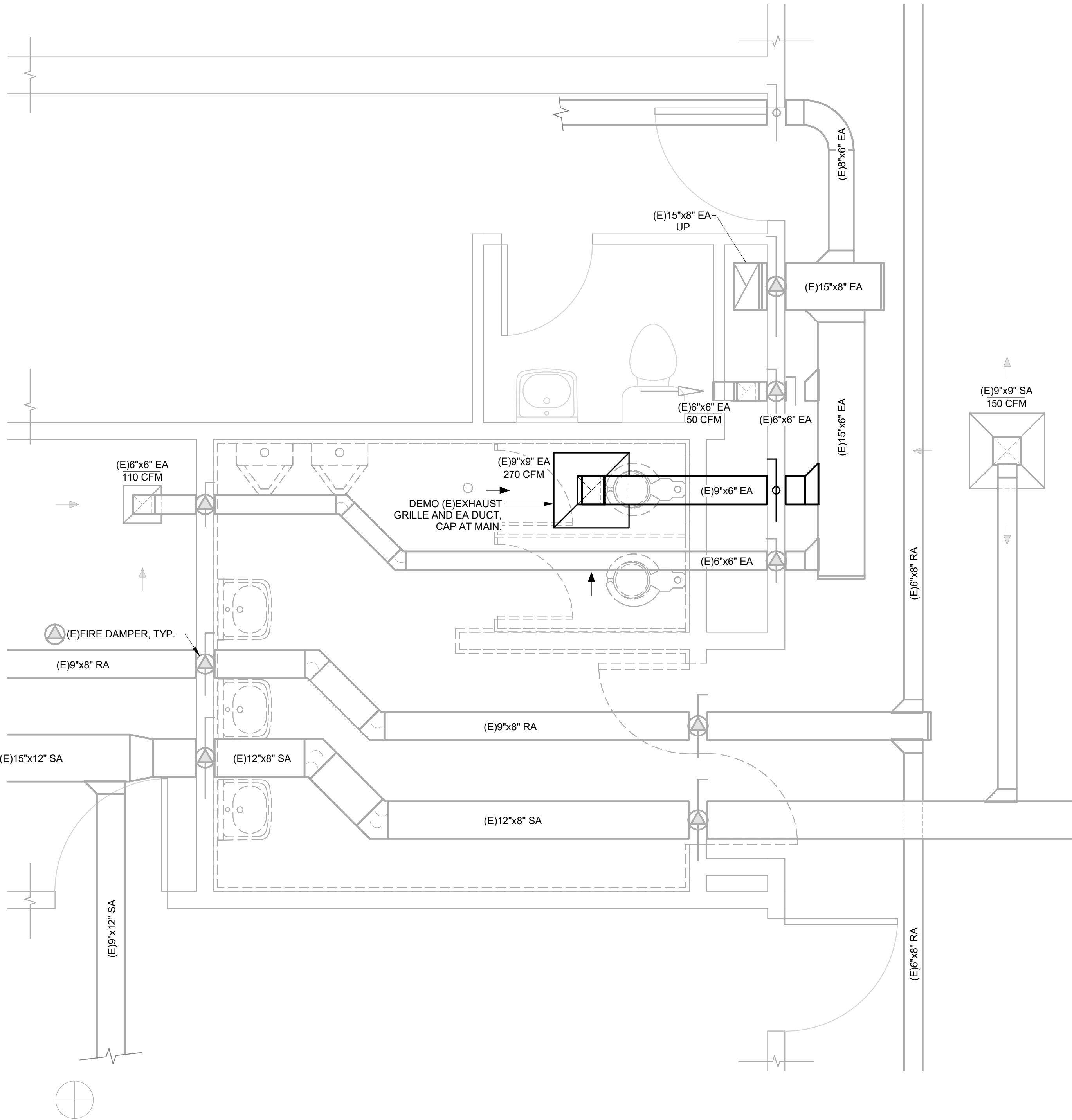
DATE: MAY 2025

SHEET TITLE:
ENLARGED
MECHANICAL PLANS -
LEVEL 2

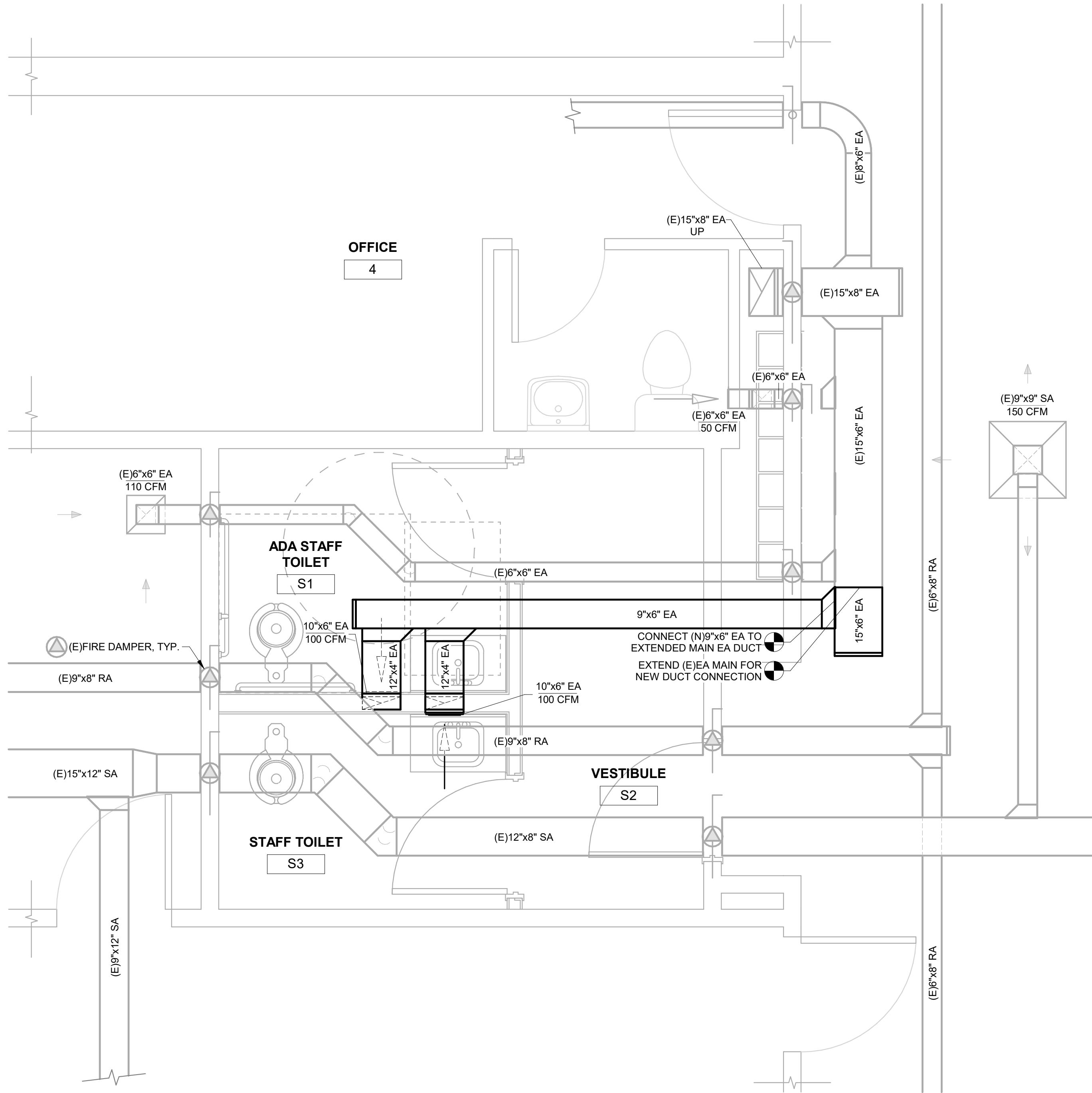
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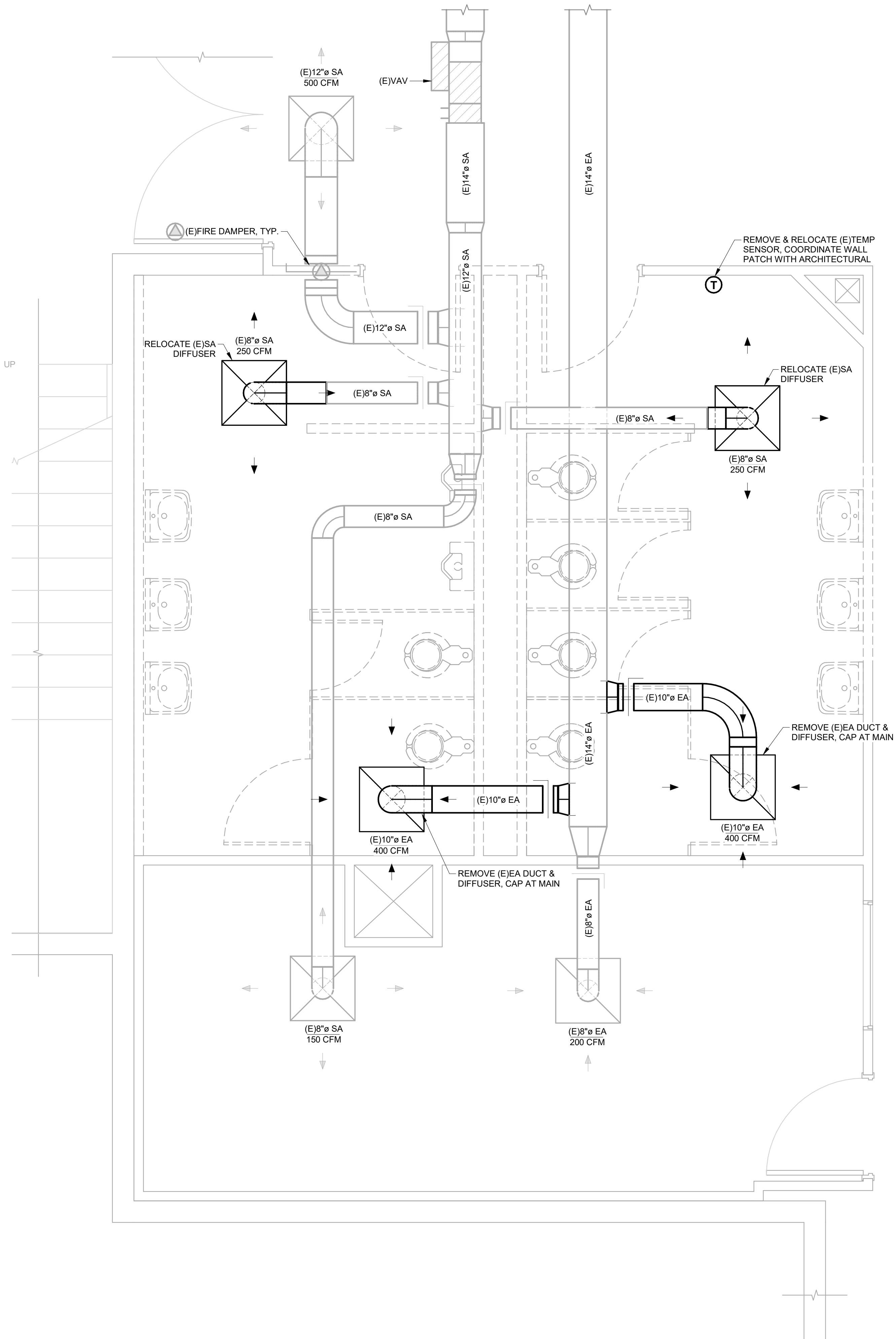
1 MECHANICAL STAFF RESTROOM - DEMO PLAN (ALTERNATE BID)
M3.1 1/2" = 1'-0"



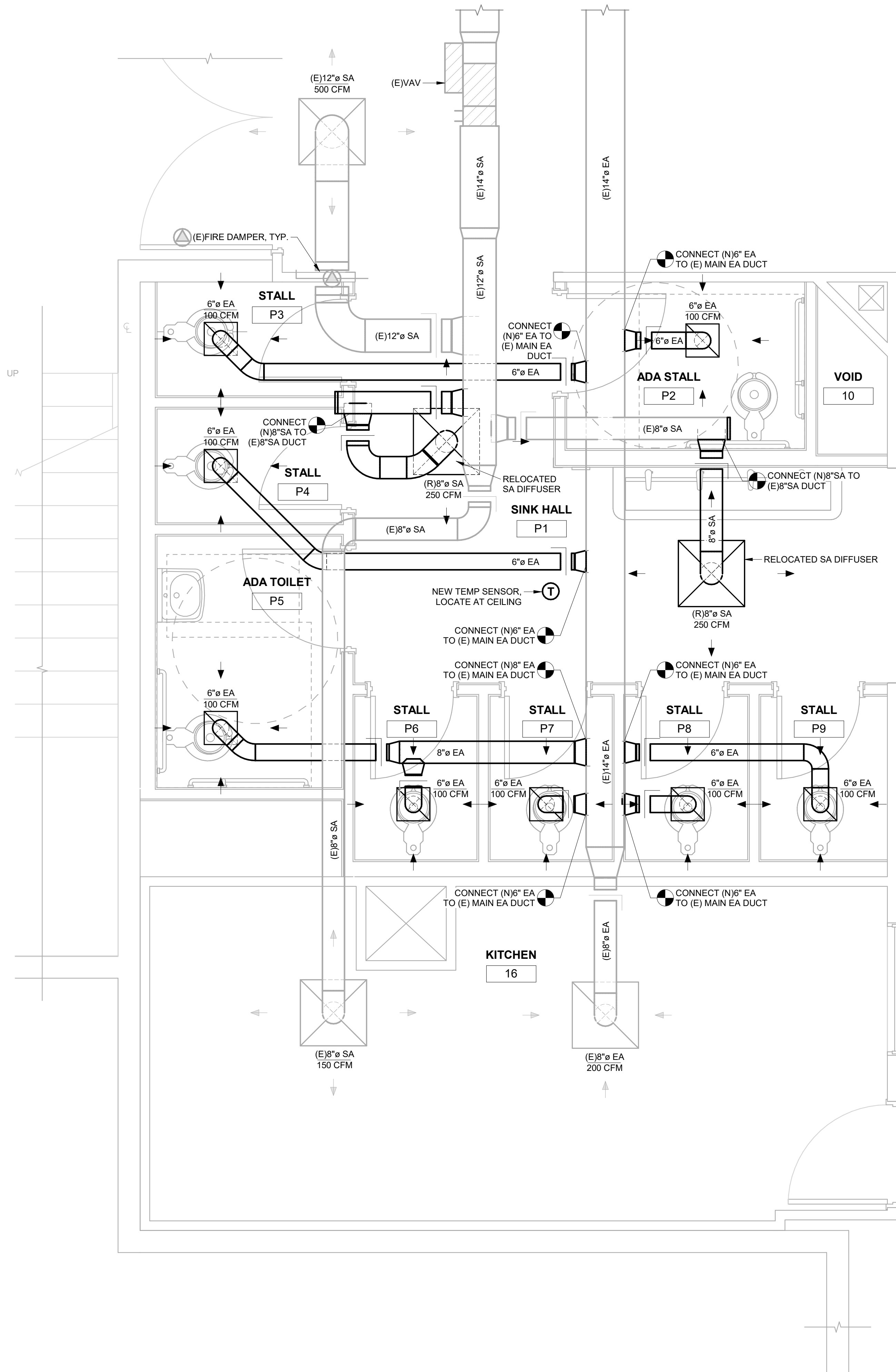
2 MECHANICAL STAFF RESTROOM PLAN (ALTERNATE BID)
M3.1 1/2" = 1'-0"

5/16/2025 6:56:26 PM

1 W - PIRATE HALL - RESTROOM DEMO PLAN (ALTERNATE BID)
M3.2 1/2" = 1'-0"



2 PLUMBING PIRATE HALL - RESTROOM PLAN (ALTERNATE BID)
M3.2 1/2" = 1'-0"



HGE
ARCHITECTS.

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

M
F
A
INC.

Consulting Engineers
2007 SE Ash St.
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COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420

CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

SHEET TITLE:
MECHANICAL PIRATE
HALL - RESTROOM
PLANS (ALTERNATE
BID)

M3.2

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CONSTRUCTION

REVISIONS:		
#	DATE	DESCRIPTION

DATE: MAY 2025

SHEET TITLE:
ELECTRICAL PLAN
SYMBOLS AND
SPECIFICATIONS

E1.0

ELECTRICAL SYMBOL SCHEDULE

SYMBOLS	DESCRIPTION	NOTES
	METER TYPE AS NOTED	
	GROUND	
	NEUTRAL BUS	
	MOTOR	
	EQUIPMENT NUMBER (SEE EQUIPMENT SCHEDULE)	
	NON-FUSED DISCONNECT SWITCH	
	FUSED DISCONNECT SWITCH (FUSES SIZED PER EQUIPMENT MANUFACTURERS RECOMMENDATIONS UNO.)	
	BRANCH CIRCUIT PANELBOARD	
	BRANCH CIRCUIT INSTALLED CONCEALED FROM FINISH SPACES. PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE. GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION.	
	BRANCH CIRCUIT WIRES RUN TO PANEL. HASH MARKS INDICATES NUMBER OF CONDUCTORS. PROVIDE GROUND CONDUCTOR AS INDICATED IN PANEL SCHEDULE. GROUND CONDUCTOR NOT INCLUDED IN HASH MARK INDICATION.	
	JUNCTION BOX. 4" SQUARE UNLESS OTHERWISE NOTED	
SYMBOLS	RECEPTACLES	NOTES
	WHEN ADDED TO A SYMBOL, INDICATES OUTLET POINTED WITH BOTTOM OF OUTLET AT 3" ABOVE COUNTER TOP OR BACK SPLASH UNO.	
	DUPLEX CONVENIENCE OUTLET	+ 18"
	GFI DUPLEX CONVENIENCE OUTLET	+ 18"
	DOUBLE DUPLEX CONVENIENCE OUTLET	+ 18"
SYMBOLS	RECEPTACLES	NOTES
	DATA: 2 CABLE DROPS	+ 18"
SYMBOLS	LIGHT FIXTURES	NOTES
	WHEN ADDED TO LIGHT FIXTURE SYMBOL, INDICATES WALL OR BRACKET MOUNTED LIGHT FIXTURE SURFACE OR PENDANT MOUNTED LIGHT FIXTURE OUTLET. NUMBER INDICATES CIRCUIT. CAPITAL LETTER INDICATES FIXTURE TYPE. LOWER CASE LETTER INDICATES SWITCHING CONTROL. TYPICAL FOR ALL LIGHT FIXTURES.)	
	RECESSED CEILING LIGHT FIXTURE	
	FLUORESCENT LIGHT FIXTURE	
	FLUORESCENT STRIP LIGHT FIXTURE	
	SINGLE FACE EXIT SIGN WITH NUMBER OF DIRECTIONAL ARROWS AS SHOWN. CEILING MOUNTED. SOLID QUADRANT INDICATES FACE.	
	SINGLE POLE LIGHT SWITCH	+ 46"
	THREE WAY LIGHT SWITCH	+ 46"
	MOTOR RATED SWITCH	+ 46"
	OCCUPANCY SENSOR - CEILING W-HALL MOUNTED	
	PHOTOELECTRIC SWITCH	
SYMBOLS	FIRE ALARM	NOTES
	MANUAL PULL STATION	+ 44"
	COMBINATION VISUAL / AUDIBLE ALARM	+ 80" AFTB
	VISUAL STROBE ALARM	+ 80" AFTB
	PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED UNO)	
	IONIZATION SMOKE DETECTOR (CEILING MOUNTED UNO)	
	MAGNETIC DOOR HOLDER	
	HEAT DETECTOR (CEILING MOUNTED, 135° UNO)	

ELECTRICAL SPECIFICATION

GENERAL PROVISIONS

- FURNISH LABOR, SUPERVISION, PERMITS, MATERIALS AND EQUIPMENT TO COMPLETE THE WORK REQUIRED IN PLANS AND BY THE CONTRACT DOCUMENTS.
- ALL WORK SHALL CONFORM TO NATIONAL ELECTRIC CODE STANDARDS, OREGON ELECTRICAL SPECIALTY CODE, AND ALL CODES, RULES, AND REGULATIONS CURRENT OR LATEST EDITION ADOPTED BY AUTHORITIES HAVING JURISDICTION AT TIME OF PERMIT.
- PROVIDE ALL REQUIRED CONDUITS, JUNCTION BOXES, SWITCHES, WIRE, RECEPTACLES, OUTLETS (DATA, TELEPHONE, TELEVISION), PANEL BOARDS, ETC., TO PROVIDE FULLY OPERATIONAL POWER, HEATING/COOLING, LIGHTING, DATA, AND COMMUNICATION SYSTEMS.
- ELECTRICAL SUBMITTALS:
 - SUBMIT MANUFACTURER'S DATA AND SHOP DRAWINGS AS REQUIRED UNDER GENERAL CONDITIONS.
 - SUBMITTALS SHALL BE INCORPORATED INTO A SINGLE SUBMISSION. MULTIPLE SUBMISSIONS ARE NOT ACCEPTABLE.
 - SPECIFIC MODEL NUMBERS SHALL BE INDICATED RATHER THAN GENERAL MANUFACTURER LINES.
- OPERATION AND MAINTENANCE (O&M) MANUALS: PROVIDE ALL ELECTRICAL EQUIPMENT AND CONTROL INFORMATION. THE PURPOSE OF THIS MANUAL IS TO PROVIDE ONE COMPREHENSIVE DOCUMENT THAT ILLUSTRATES AND DESCRIBES ALL THE ELECTRICAL EQUIPMENT AND CONTROL SYSTEMS
 - PROVIDE GENERAL AND SUB-CONTRACTOR'S NAME, CONTACT PERSON, AND TELEPHONE/FAX NUMBERS.
 - O&M MANUAL SHALL INCLUDE WARRANTY INFORMATION AND ANY EQUIPMENT DOCUMENTATION.
- PROJECT RECORD DOCUMENTS (AS-BUILTS).
 - MAINTAIN AT THE SITE ONE COMPLETE SET OF FULL-SIZED ORIGINAL PRINTS FOR RECORDING INSTALLED CONDITIONS (AS-BUILTS). KEEP RECORD DRAWINGS CLEAN, UNDAMAGED AND UP TO DATE AS WORK PROGRESSES. ACCURATELY INDICATE ELECTRICAL WORK AS ACTUALLY INSTALLED WITH INDICATIONS OF ALL DEVIATIONS, ADDITIONS AND OMISSIONS IN RED INK. LOCATE ALL BURIED EXTERIOR RACEWAYS OR CABLES BY ACTUAL DIMENSIONS FROM WALLS, CENTER-LINES OR FIXED POINTS OF REFERENCE.
 - THE PURPOSE OF THESE RECORD DRAWINGS IS TO PROVIDE THE ENGINEER WITH AN EASY TO READ, COMPLETE RECORD OF THE INSTALLATION SO THAT AT THE END OF THE PROJECT THE ENGINEER CAN REVISE THE ORIGINAL CONTRACT DRAWINGS TO REPRESENT THE ACTUAL INSTALLATION. COLOR-CODED AND HIGHLIGHTED NOTES SHALL BE USED IF THESE WOULD MAKE THE RECORD DRAWINGS EASIER TO READ.
 - AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL FURNISH THE ENGINEER THIS ORIGINAL SET OF MARKED-UP DRAWINGS. FINAL PAYMENT TO THE CONTRACTOR WILL NOT BE AUTHORIZED UNTIL THESE DRAWINGS HAVE BEEN SUBMITTED TO AND ACCEPTED BY THE ENGINEER.
- BASIC MATERIALS
 - ALL WIRE TO BE MC CABLE OR CONDUIT AS ALLOWED BY CODE.
 - PROVIDE JUNCTION BOX AND WIRING FOR ALL LIGHT FIXTURES SHOWN ON PLANS. SEE FIXTURE SCHEDULE ON PLANS.
 - SWITCHES, RECEPTACLES, CABLE AND PHONE RECEPTACLES AND OTHER DEVICES AND CONTROLS SHALL BE COMMERCIAL GRADE. COLOR: IVORY OR AS OTHERWISE SELECTED BY ARCHITECT.
 - PROVIDE GROUND-FAULT CIRCUIT INTERRUPTER (GFCI OR GFI) AT EXTERIOR LOCATIONS, SINK COUNTERS, AND WHERE NOTED ON DRAWINGS AND REQUIRED BY CODE. PROTECT BY INDIVIDUAL DEVICE OR GFCI BREAKER AS PRACTICAL FOR APPLICATION.
- LIGHTING:
 - CONNECT NEW LIGHT FIXTURES TO EXISTING LIGHTING CIRCUIT SERVING EACH RESPECTIVE AREA. NEW LOAD IS LESS THAN PREVIOUS LOAD. PROVIDE WALLBOX MOTION CONTROL FOR INDIVIDUAL RESTROOMS.
- FIRE ALARM:
 - TEST EXISTING FIRE ALARM STROBES IN RESTROOMS TO VERIFY THAT THEY FUNCTION PROPERLY AND ARE SUITABLE FOR REUSE. RELOCATE EXISTING DEVICES THAT ARE SUITABLE FOR REUSE AS INDICATED.
 - PROVIDE NEW DEVICES AS REQUIRED - OWNER PREFERS RED STROBES.
 - CONNECT RELOCATED AND NEW STROBES TO EXISTING FIRE ALARM PANEL PER MANUFACTURER'S REQUIREMENTS.

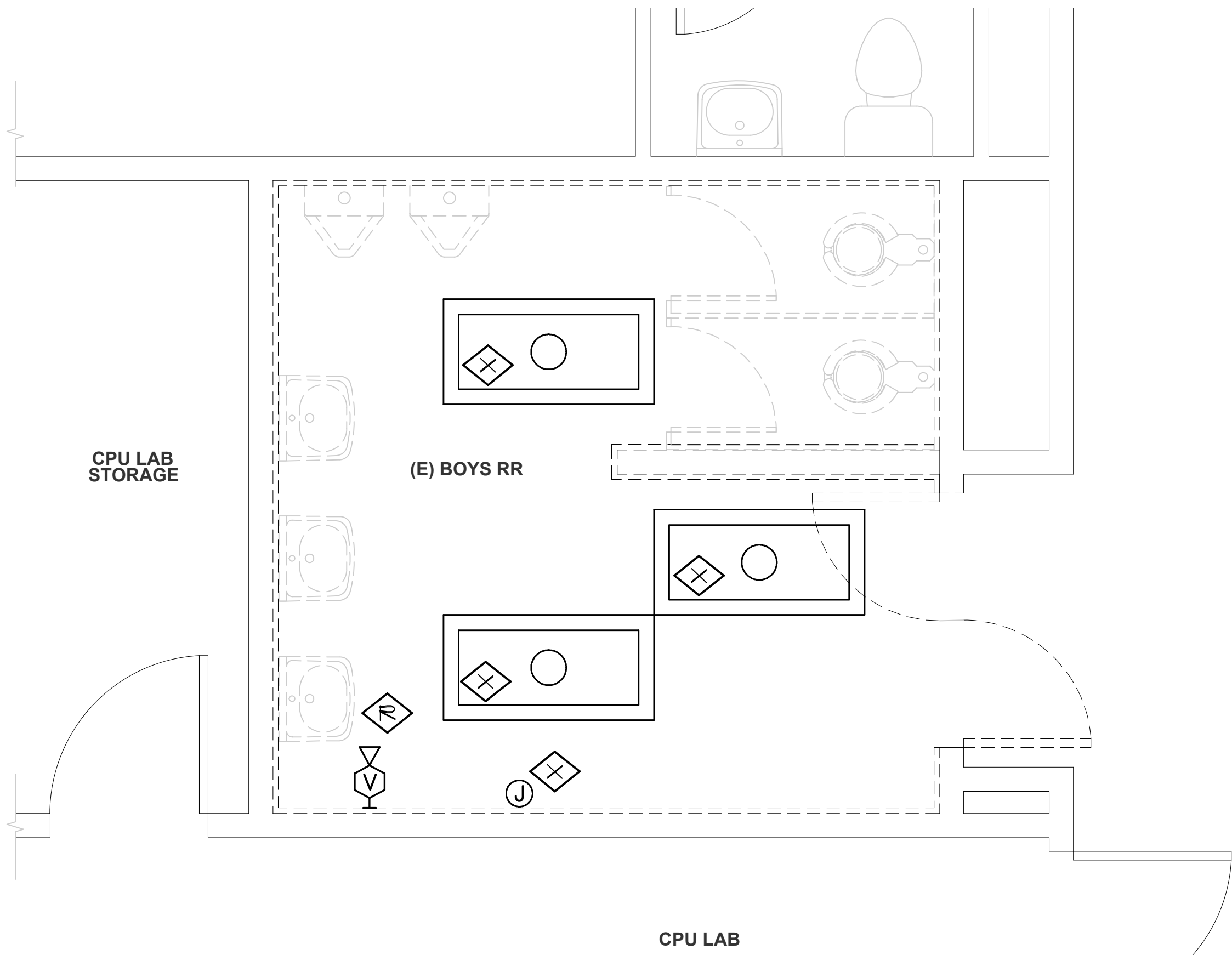
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DEMOLITION NOTES

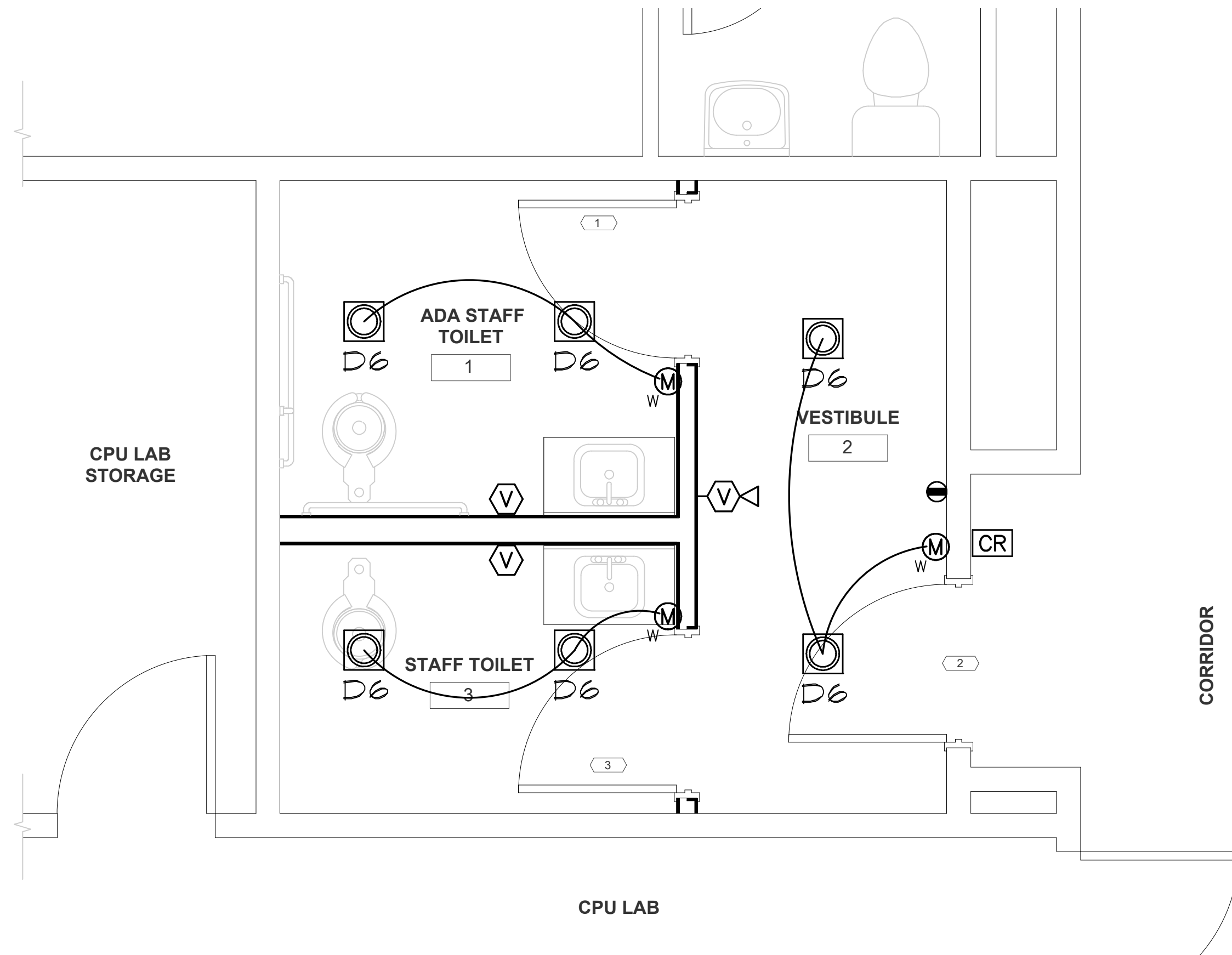
- EXISTING ELECTRICAL PLANS ARE AVAILABLE, HOWEVER, THERE HAVE BEEN REMODEL(S) IN THIS AREA. CONTRACTOR SHOULD FAMILIARIZE THEMSELVES WITH THE FACILITY AND THE EXISTING CONDITIONS PRIOR TO COMMENCING DEMOLITION.
- WORK SHOWN ON PLAN IS BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. CONTRACTOR IS TO FIELD VERIFY AND COORDINATE PROJECT REQUIREMENTS WITH EXISTING CONDITIONS.
- REUSE OF EXISTING CONDUIT AND CONDUCTORS IS PERMITTED SO LONG THAT ALL EXISTING COMPONENTS PLANNED FOR REUSE ARE IN GOOD OPERATING CONDITION. UNSUITABLE ITEMS SHALL NOT BE REUSED.
- WIRING WHICH SERVES USABLE EXISTING OUTLETS SHALL BE REROUTED AND RESTORED CLEAR OF CONSTRUCTION. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEM. REPAIR AND RECONDITION ASSOCIATED SURFACES TO MATCH ADJACENT SURFACES. VERIFY EXACT LOCATIONS IN THE FIELD.
- UNLESS NOTED OTHERWISE, ALL EQUIPMENT AND DEVICES SHOWN ON THE DEMOLITION PLAN ARE TO BE DISCONNECTED AND REMOVED, WITH THE EXCEPTION OF WIRING TO BE REUSED DURING NEW INSTALLATION. REMOVE ALL UNUSED WIRING AND CONDUIT BACK TO PANEL OR ORIGIN. WIRING WHICH SERVES USABLE EXISTING LIGHTING AND POWER OUTLETS SHALL BE REROUTED AND RESTORED CLEAR OF CONSTRUCTION. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEM.
- DISCONNECT AND REMOVE ELECTRICAL CONNECTION AND ASSOCIATED WIRING TO EXISTING MECHANICAL EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO DEMOLITION. VERIFY EXACT LOCATION IN THE FIELD.

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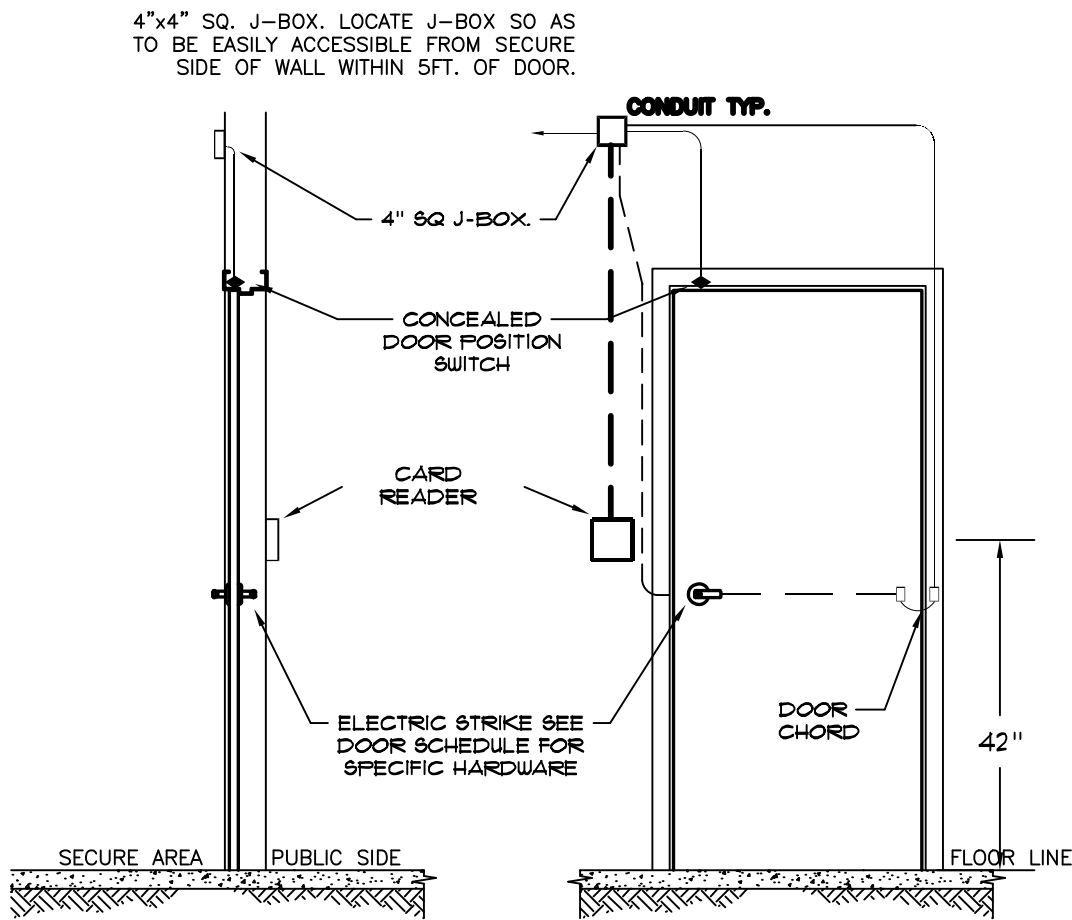
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1 DEMOLITION PLAN
E2.2 SCALE: 1/4" = 1'-0"



2 POWER & LIGHTING PLAN
E2.2 SCALE: 1/4" = 1'-0"



3 DOOR ELEVATION
E2.2 SECURITY DETAIL

SHEET NOTES

- LIGHTING:**
- CONNECT NEW LIGHT FIXTURES TO EXISTING RESTROOM CIRCUIT MADE AVAILABLE DURING DEMOLITION.
 - CONTROL AS INDICATED.
- FIRE ALARM:**
- PROVIDE NEW VISUAL STROBES
 - RECONNECT TO FIRE ALARM PANEL.
- RECEPTACLE:**
- PROVIDE NEW GFCI RECEPTACLE WHERE SHOWN AND CONNECT TO EXISTING RECEPTACLE CIRCUIT. FIELD COORDINATE ALL REQUIREMENTS.
- ACCESS CONTROL:**
- PROVIDE RACEWAY AND JUNCTION BOXES FOR ACCESS CONTROL. ROUTE CONDUIT FOR DATA CABLE TO BELL ROOM OFF ADJACENT HALLWAY. SEE STANDARD DETAIL. CABLING AND DEVICES TO BE INSTALLED BY OWNER.

KEYED NOTES

- ◻ EXISTING DEVICE TO REMAIN.
- ◻ EXISTING DEVICE TO BE REMOVED AND REUSED OR RELOCATED
- ◻ EXISTING DEVICE TO BE DEMOLISHED COMPLETELY.

LIGHT FIXTURE SCHEDULE

- D6 ◻ 6-INCH LED RECESSED DOWNLIGHT, LITHONIA LDN6 AL01 SWW1 L06AR LD MVOLT OR APPROVED EQUAL. (SET TO 750 LUMENS, 35K, 9 WATTS)

HGE
ARCHITECTS, INC.

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

DOUBLE 'E'
ENGINEERING, LLC

Myrtle Point, Oregon
www.eee-engineering.com

REGISTERED PROFESSIONAL
ENGINEER
065680
JULY 13, 2014
GREGORY L. PRIDE
EXPIRES 12-31-26

PROJECT NO.: 24-072

24-072 - MHS RESTROOM REMODELS
COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420
BID SCHEDULE A

CONSTRUCTION		
REVISIONS:		
#	DATE	DESCRIPTION

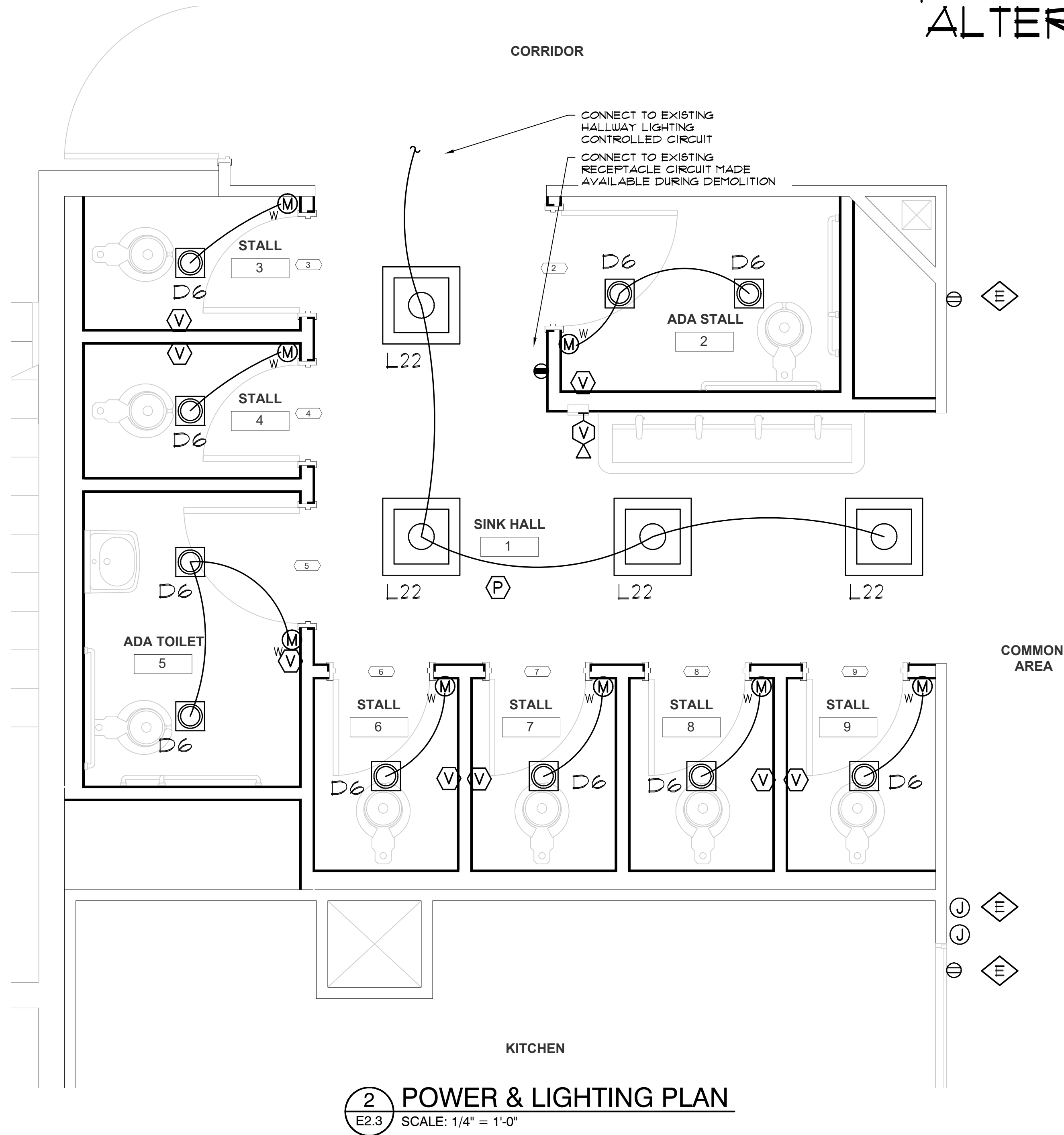
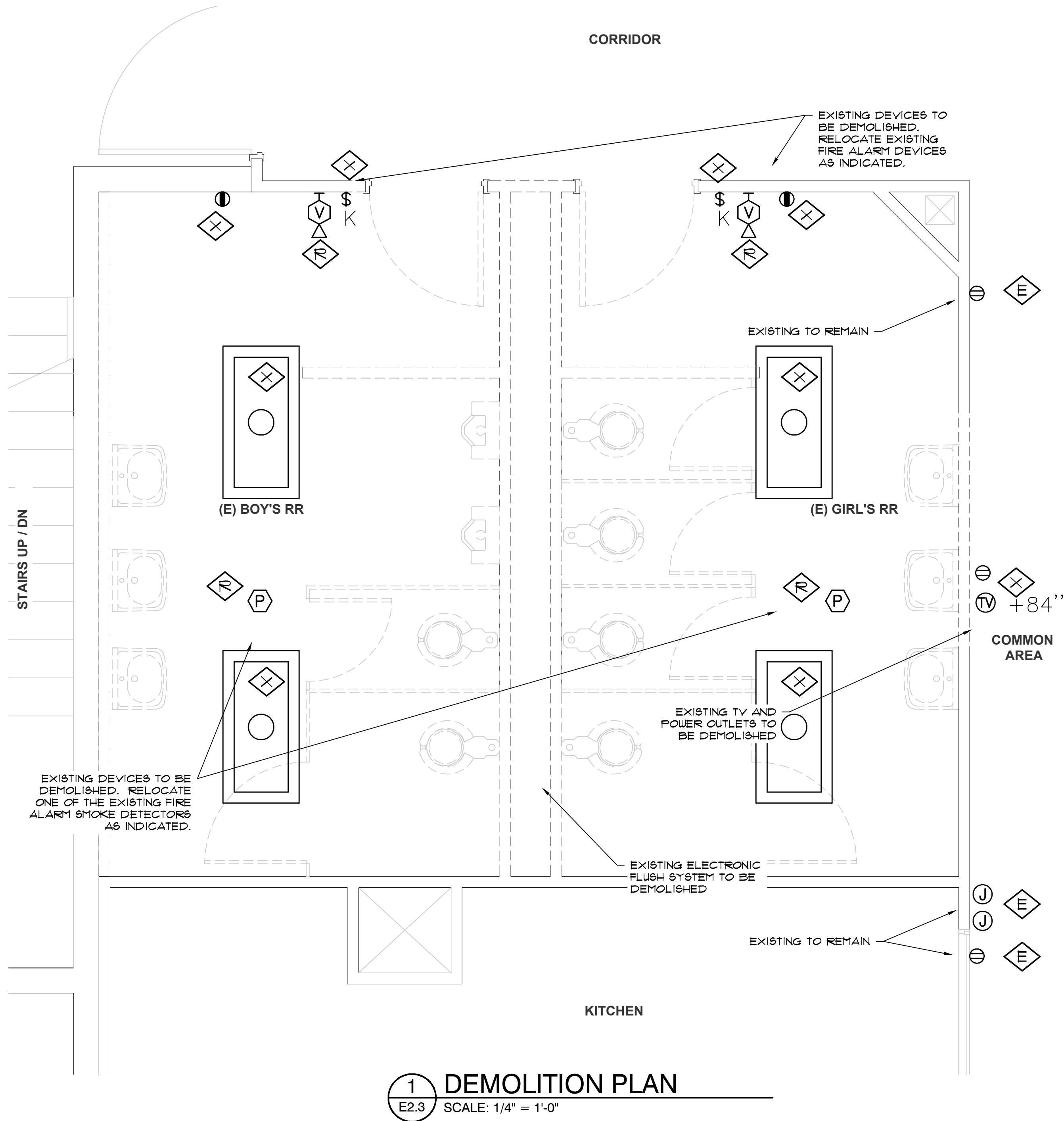
DATE: MAY 2025

SHEET TITLE:
**ELECTRICAL PLAN
STAFF RESTROOM**

E2.2

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SHEET NOTES

- LIGHTING:**
- CONNECT NEW LIGHT FIXTURES TO EXISTING RESTROOM CIRCUIT MADE AVAILABLE DURING DEMOLITION.
 - CONTROL AS INDICATED.
- FIRE ALARM:**
- RELOCATE EXISTING SMOKE DETECTOR TO NEW L-SHAPED HALL.
 - PROVIDE NEW VISUAL STROBES
 - RECONNECT TO FIRE ALARM PANEL.
- RECEPTACLE:**
- PROVIDE NEW GFCI RECEPTACLE WHERE SHOWN AND CONNECT TO EXISTING RECEPTACLE CIRCUIT MADE AVAILABLE DURING DEMOLITION. FIELD COORDINATE ALL REQUIREMENTS.

KEYED NOTES

- EXISTING DEVICE TO REMAIN.
- EXISTING DEVICE TO BE REMOVED AND REUSED OR RELOCATED
- EXISTING DEVICE TO BE DEMOLISHED COMPLETELY.

LIGHT FIXTURE SCHEDULE

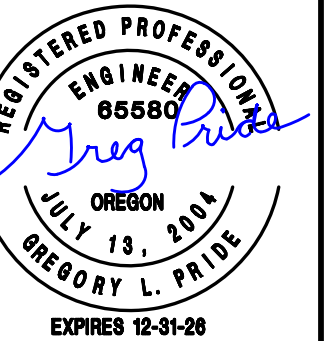
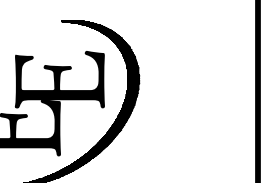
- D6 6-INCH LED RECESSED DOWNLIGHT. LITHONIA LDN6 AL01 SWW1 L06AR LD MVOLT OR APPROVED EQUAL. (SET TO 750 LUMENS, 35K, 9 WATTS)
- L22 2x2 LED LAY-IN. MATCH EXISTING LOBBY LIGHTS. LITHONIA STAKS 2X2 AL03 SWW7. (SET TO 3000 LUMENS, 35K, 26 WATTS)

PIRATE HALL ALTERNATE BID

HGE
ARCHITECTS.

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

DOUBLE 'E'
ENGINEERING, LLC
Myrtle Point, Oregon
www.eee-engineering.com



PROJECT NO.: 24-072

24-072 - MHS RESTROOM REMODELS
COOS BAY SCHOOL DISTRICT
972 INGERSOLL AVE, COOS BAY, OR 97420
BID SCHEDULE A

CONSTRUCTION

REVISIONS:
DATE DESCRIPTION

DATE: MAY 2025

SHEET TITLE:
**ELECTRICAL PLAN
PIRATE HALL**

E2.3

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