

5/27/2025 2:20:26 PM H:\Architecture\Jobs\Coos Bay Schools\24.079 Little Pirates Remodel\1 Drawings\7\_CAD & REV\124.079 - Little Pirates Pre-School Remodel.rvt

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  
3/16" = 1'-0"

## 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
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
MANUF	MANUFACTURER
PLAM	PLASTIC LAMINATE

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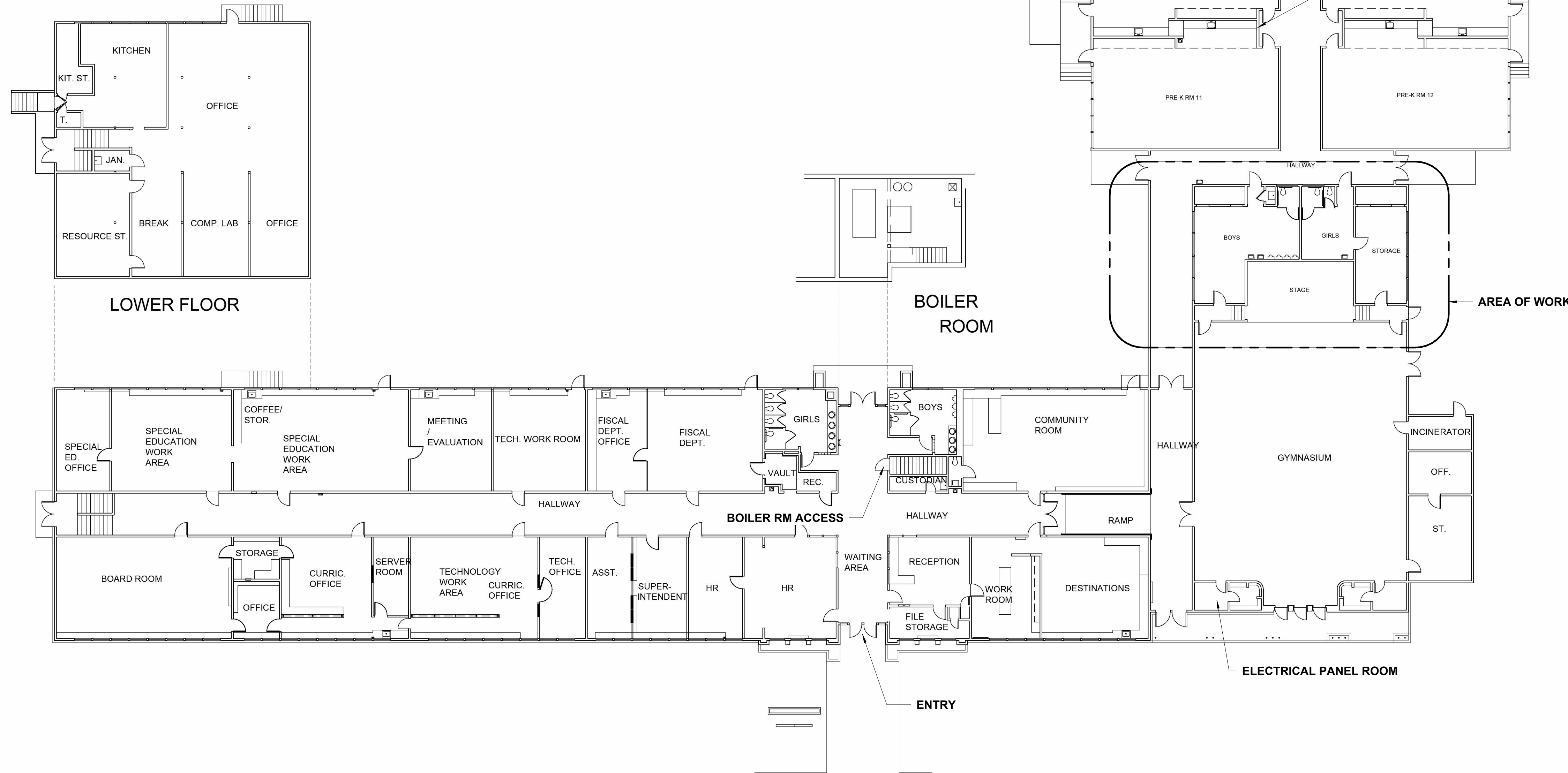
## PROJECT TEAM

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DOUBLE E ENGINEERING  
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CONTACT: GREG PRIDE



1 VICINITY MAP  
N.T.S.



2 SITE MAP  
N.T.S.

# LITTLE PIRATES PRE-SCHOOL REMODEL

MILNER CREST SCHOOL - COOS BAY SCHOOL DISTRICT  
1225 HEMLOCK AVENUE  
COOS BAY, OREGON 97420

## BID SCHEDULE B

HGE  
ARCHITECTS, INC.

333 S. 4TH STREET  
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REGISTERED ARCHITECT  
2640  
JOSEPH A. SLACK  
COOS BAY, OREGON  
STATE OF OREGON

PROJECT NO.: 24.079  
COOS BAY SCHOOL DISTRICT - MILNER CREST SCHOOL  
LITTLE PIRATES PRESCHOOL REMODEL  
1255 HEMLOCK AVE, COOS BAY, OREGON 97420  
BID SCHEDULE B

### CONSTRUCTION

REVISIONS:  
# DATE DESCRIPTION

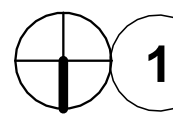
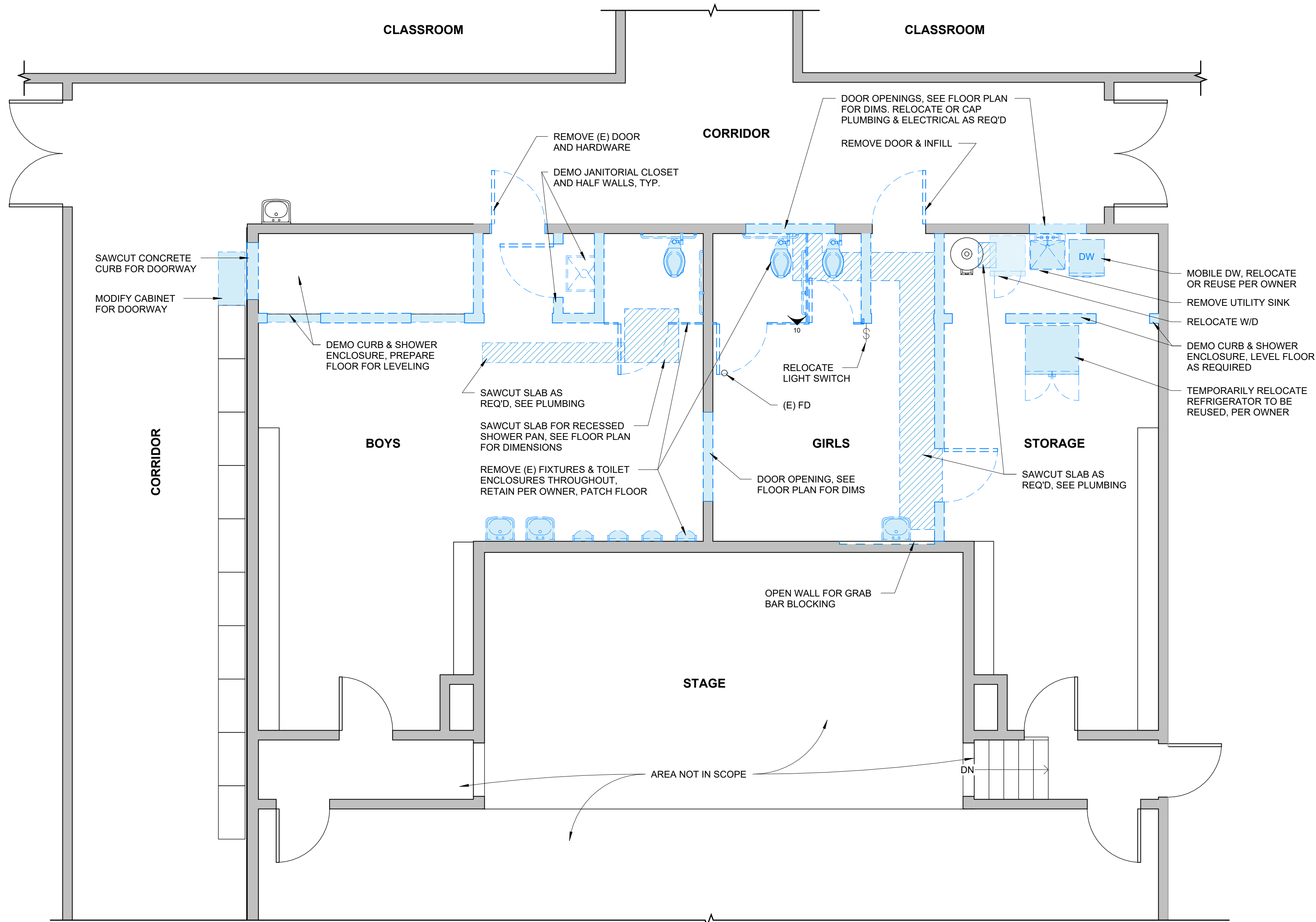
DATE: MAY 2025

SHEET TITLE:  
COVER SHEET

G0.0

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HGE ARCHITECTS, INC.







**FIRST FLOOR DEMO PLAN**

1/4" = 1'-0"

**DEMO PLAN LEGEND**

-  TO BE DEMOLISHED
-  (E) WALLS TO REMAIN

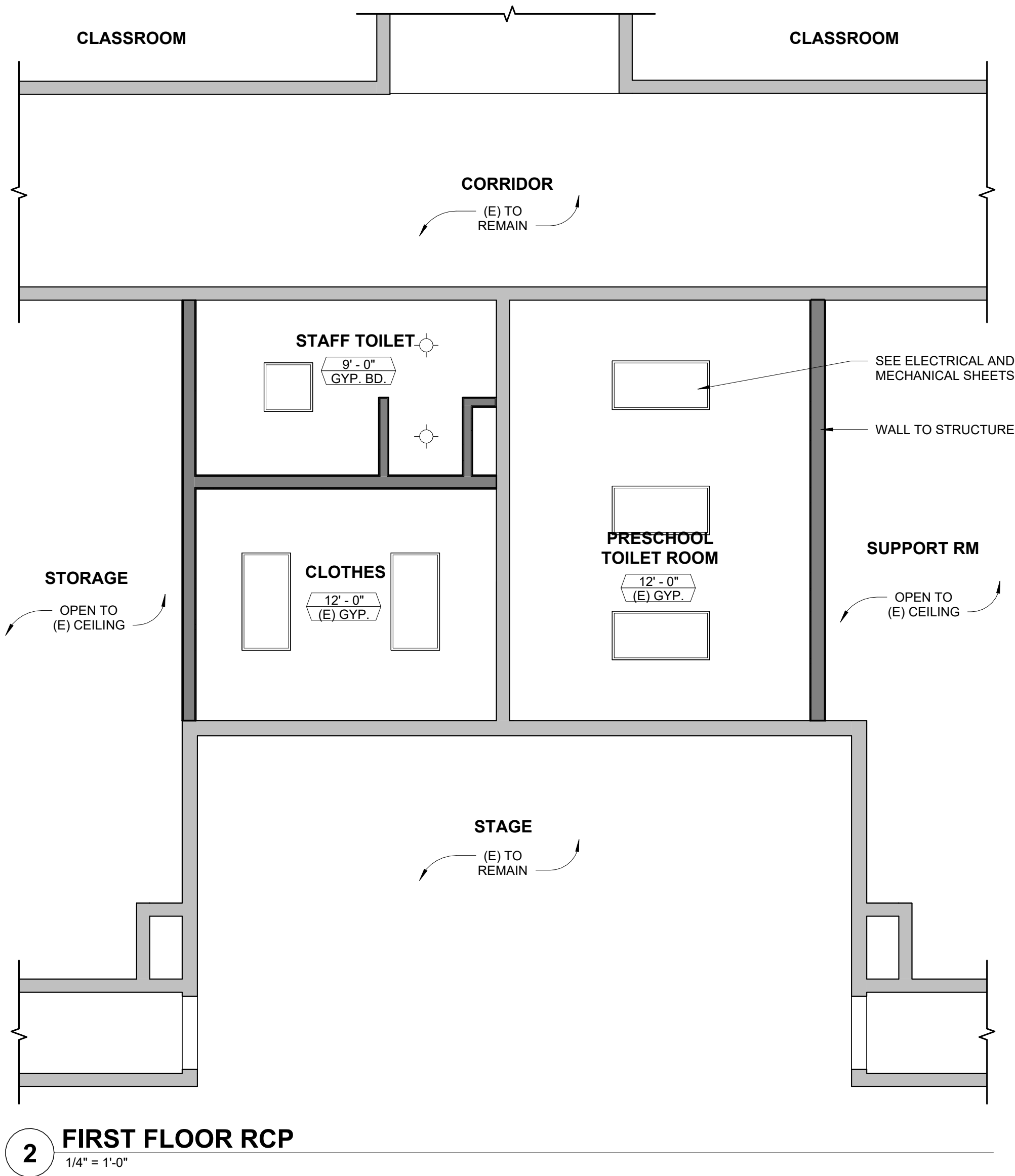
**CONSTRUCTION**

REVISIONS:  
# DATE DESCRIPTION

DATE: MAY 2025

SHEET TITLE:  
**EXISTING & DEMO  
PLAN**

**A2.1**

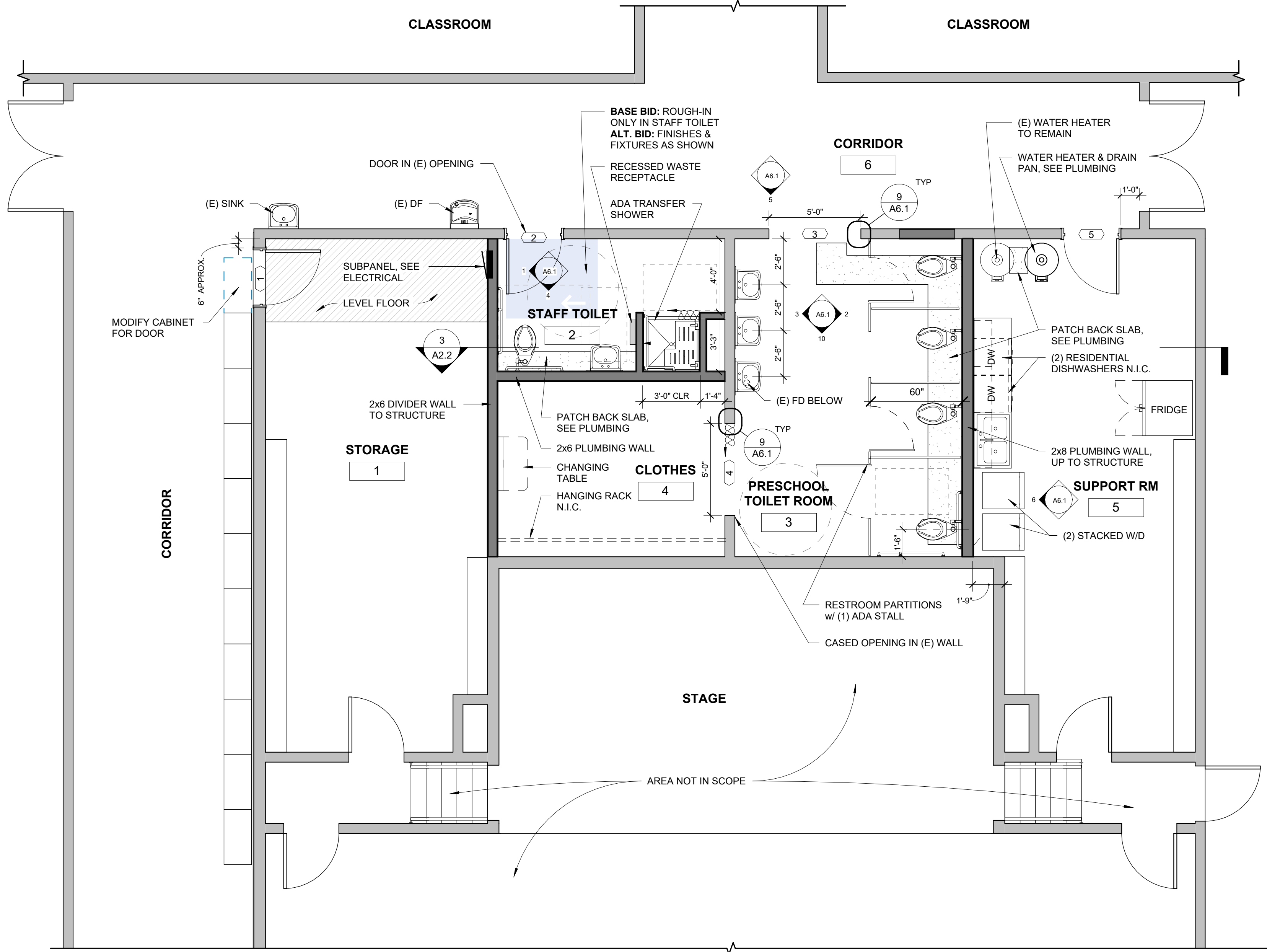


GENERAL NOTES - RCP

- A. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DIAGRAMS FOR ADDITIONAL CEILING INFORMATION.  
B. PATCH AND PAINT FINISHES TO MATCH U.N.O.  
C. CENTER LIGHTS AND FIXTURES U.N.O.

RCP LEGEND

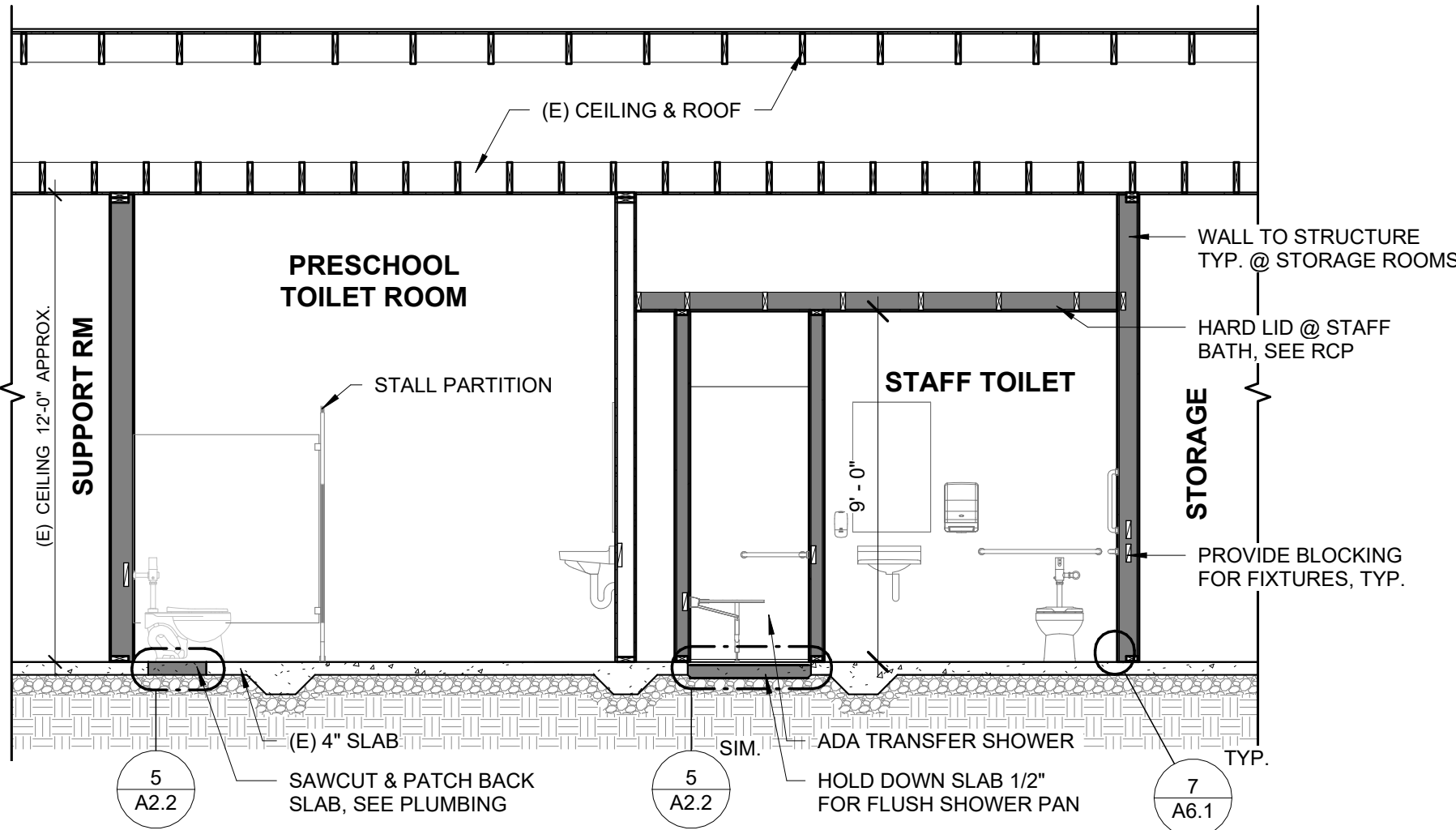
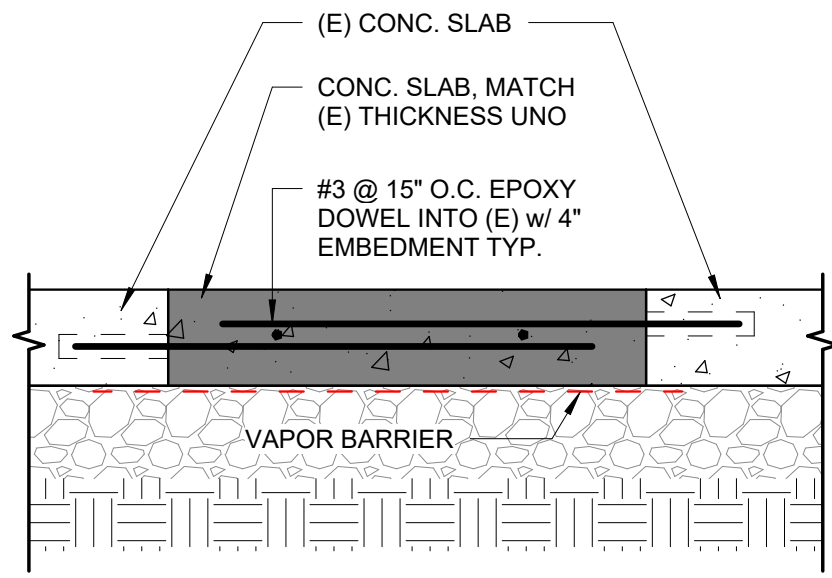
- EXISTING WALL TO REMAIN  
STUD WALL  
SUPPLY AIR, SEE MECHANICAL  
EXHAUST FAN, SEE MECHANICAL  
SURFACE MOUNT LIGHT, SEE ELECTRICAL  
RECESSED LIGHT, SEE ELECTRICAL  
PANEL LIGHT, SEE ELECTRICAL



NOTE: PATCH BACK EXISTING WALLS AS REQUIRED, FINISH TO MATCH EXISTING

FLOOR PLAN LEGEND

- (E) WALLS TO REMAIN  
2x STUD WALL



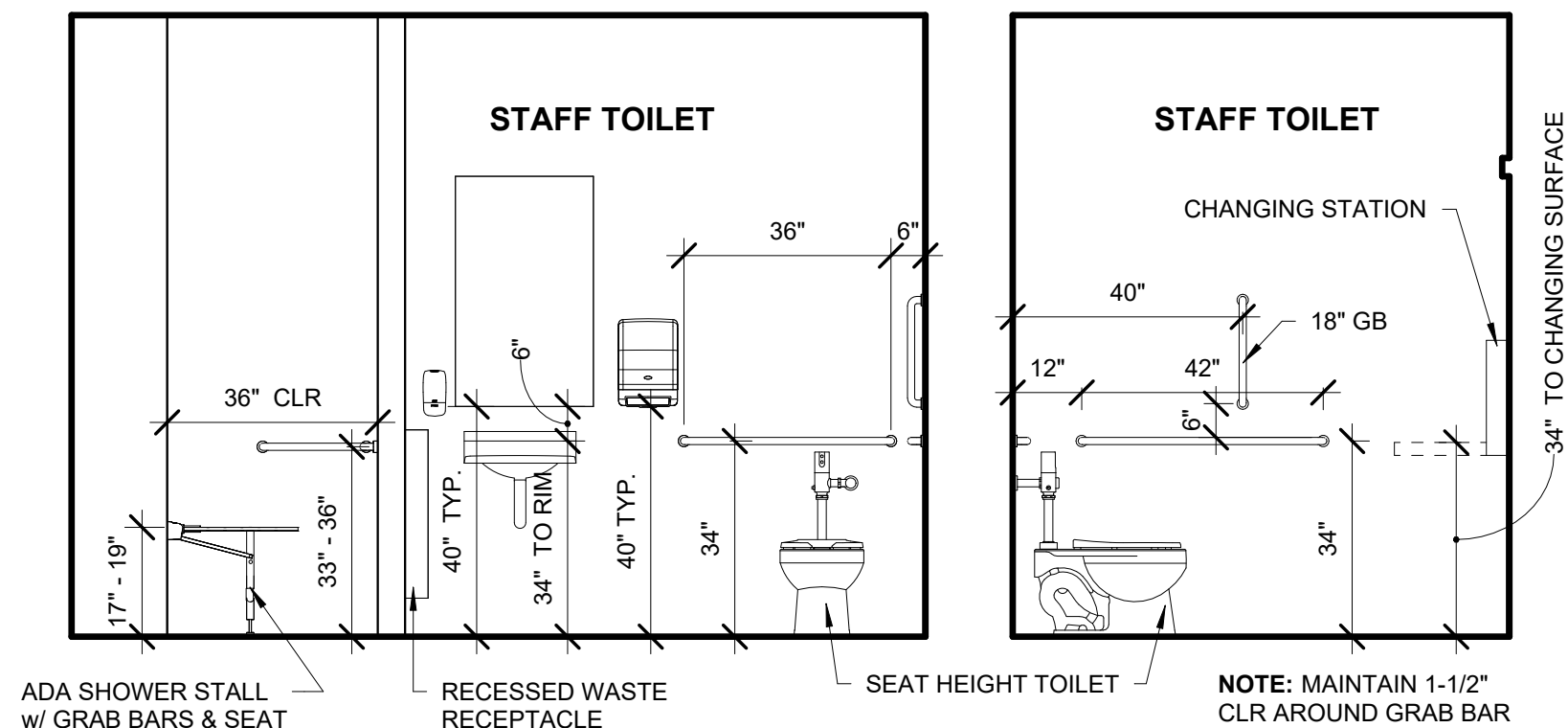
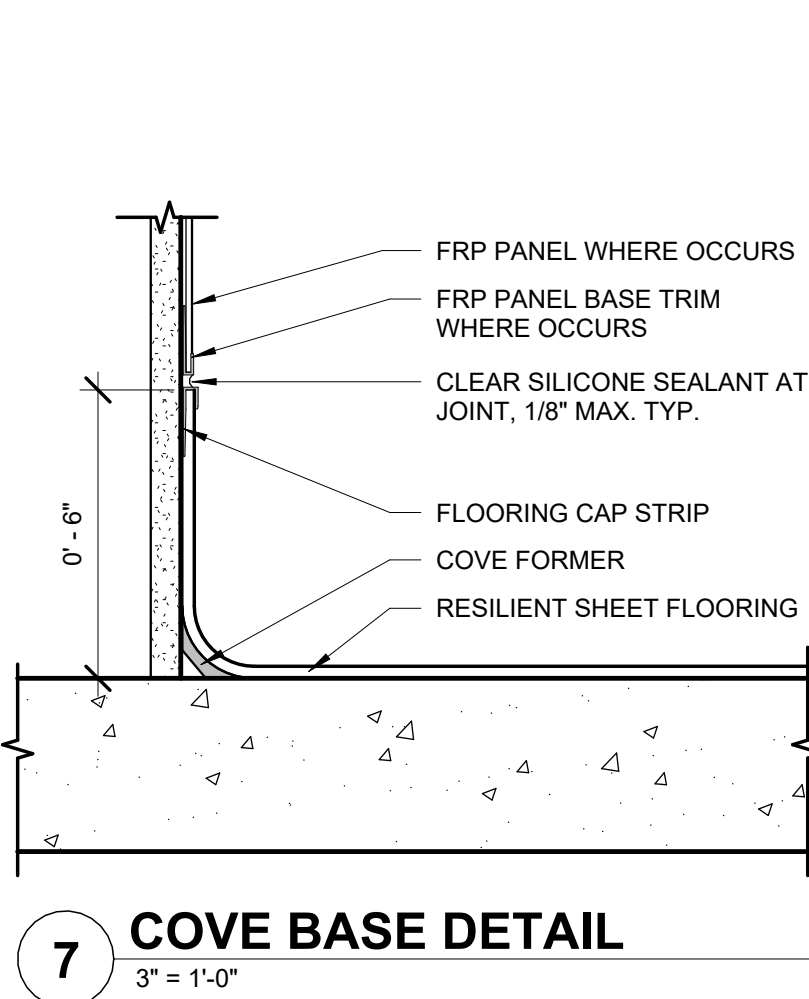
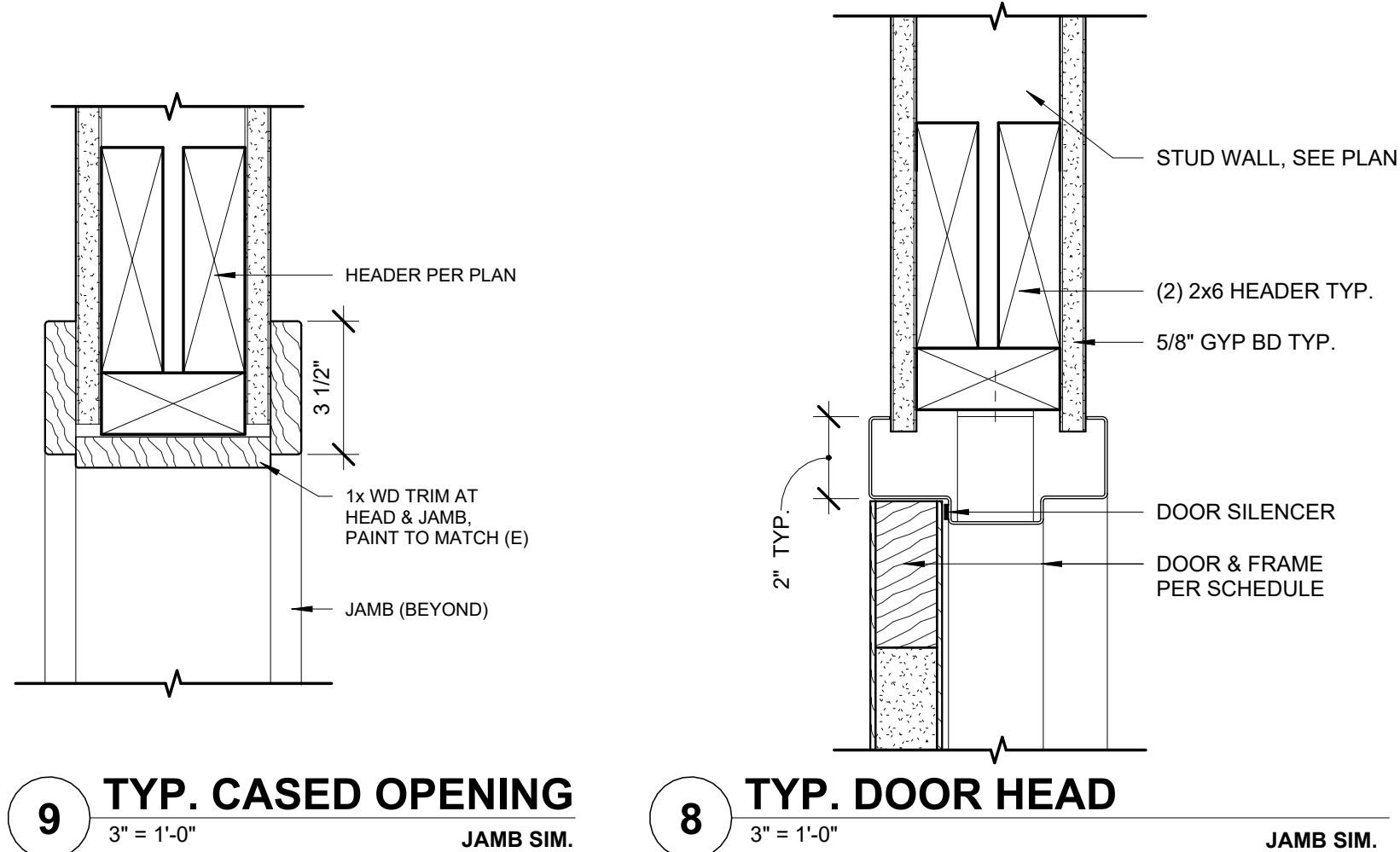
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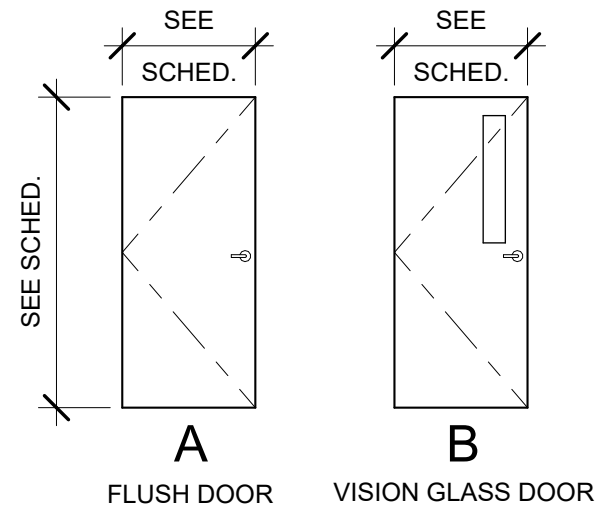
SHEET TITLE:  
FLOOR PLAN





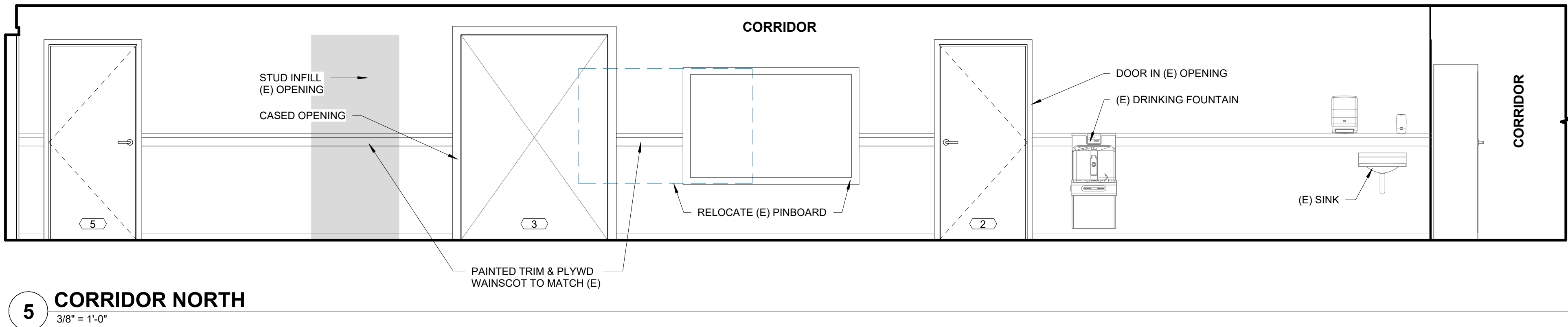
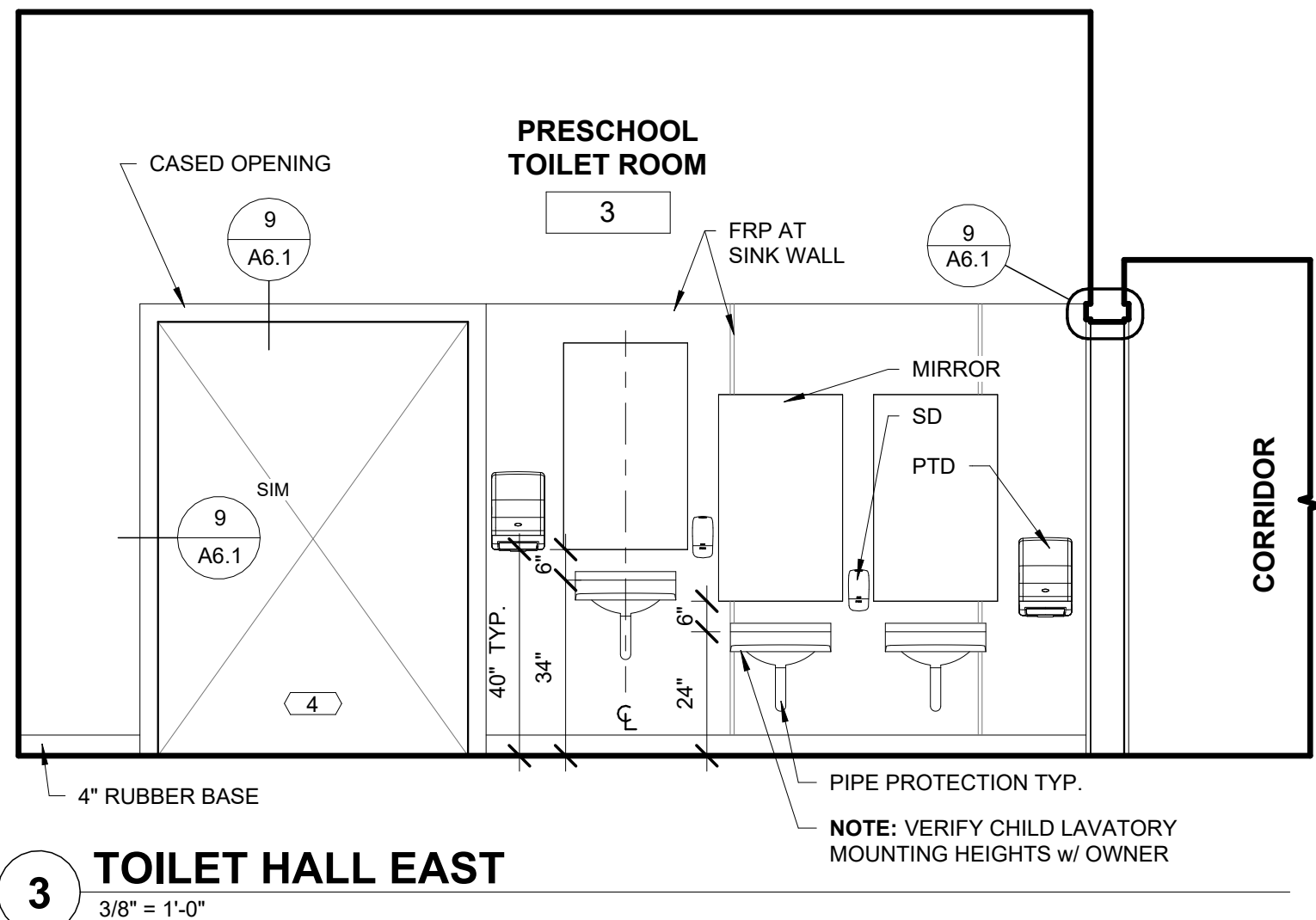
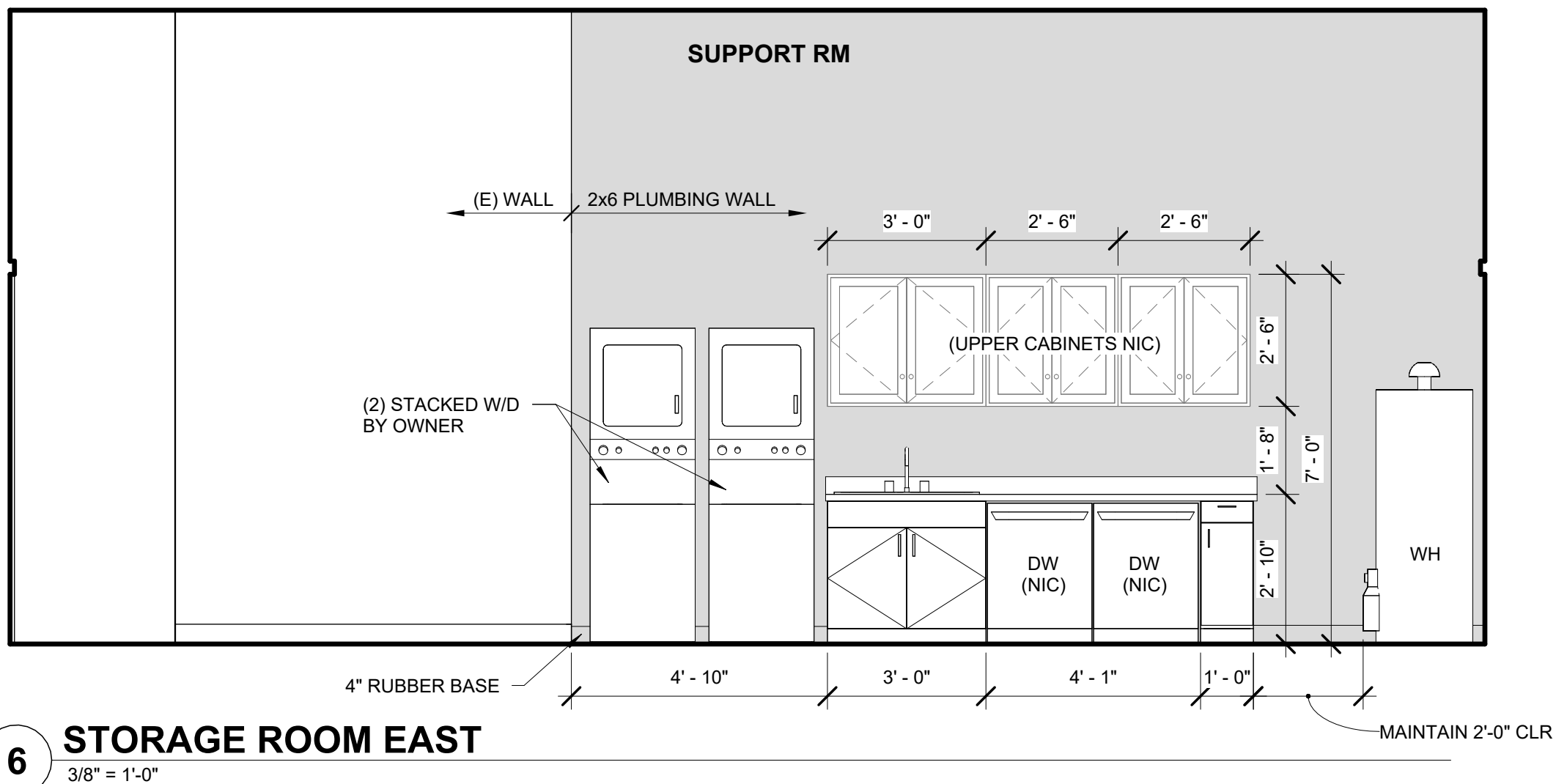
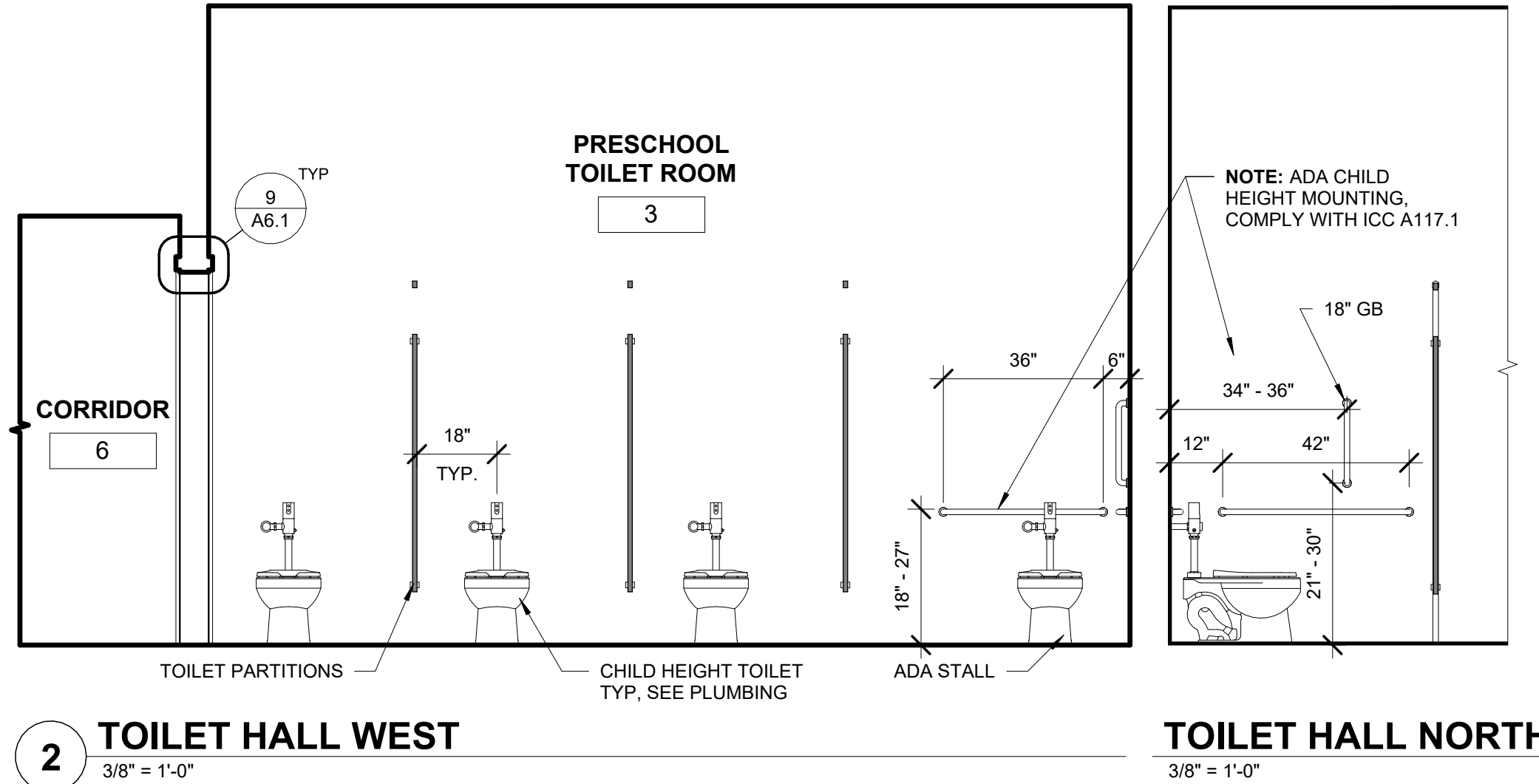
ROOM FINISH SCHEDULE										
ROOM NAME	ROOM NO.	FLOOR FINISH	BASE	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	Ceiling Height	NOTES
STORAGE	1	CONC.	RBR	-	-	LEP	LEP	(E) GYP. BD. / LEP	(E)	RESEAL CONCRETE
STAFF TOILET	2	CONC.	RBR	LEP	LEP	LEP	LEP	GYP. BD. / LEP	9'-0"	RESEAL CONCRETE
PRESCHOOL TOILET ROOM	3	CONC.	RBR	LEP	LEP/FRP	LEP	LEP	(E) GYP. BD. / LEP	(E)	RESEAL CONCRETE
CLOTHES	4	CONC.	RBR	LEP	LEP	LEP	LEP	(E) GYP. BD. / LEP	(E)	RESEAL CONCRETE
SUPPORT RM	5	CONC.	RBR	LEP	LEP	LEP	LEP	(E) GYP. BD. / LEP	(E)	RESEAL CONCRETE
CORRIDOR	6	PATCH (E)	RBR	LEP	-	-	-	(E) GYP. BD. / LEP	(E)	

DOOR SCHEDULE								
DOOR NO.	ROOM NAME	SIZE (WxH)	TYPE	DOOR MATERIAL	FRAME MATERIAL	HARDWARE GROUP	RATING	NOTES
1	STORAGE	3'-0" X 6'-8"	A	WD	WD	HW-20		
2	STAFF TOILET	3'-0" X 6'-8"	A	WD	WD	HW-05		(E) OPENING
3	CORRIDOR	5'-0" X 7'-0"	-	-	-	-		CASED OPENING, (2) 2x10 HDR TYP.
4	PRESCHOOL TOILET ROOM	5'-0" X 7'-0"	-	-	-	-		CASED OPENING, (2) 2x10 HDR TYP.
5	SUPPORT RM	3'-0" X 6'-8"	A	WD	WD	HW-20		



#### 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  
CONC CONCRETE  
(E) EXISTING  
SD SOAP DISPENSER  
PTD PAPER TOWEL DISPENSER  
GB GRAB BAR



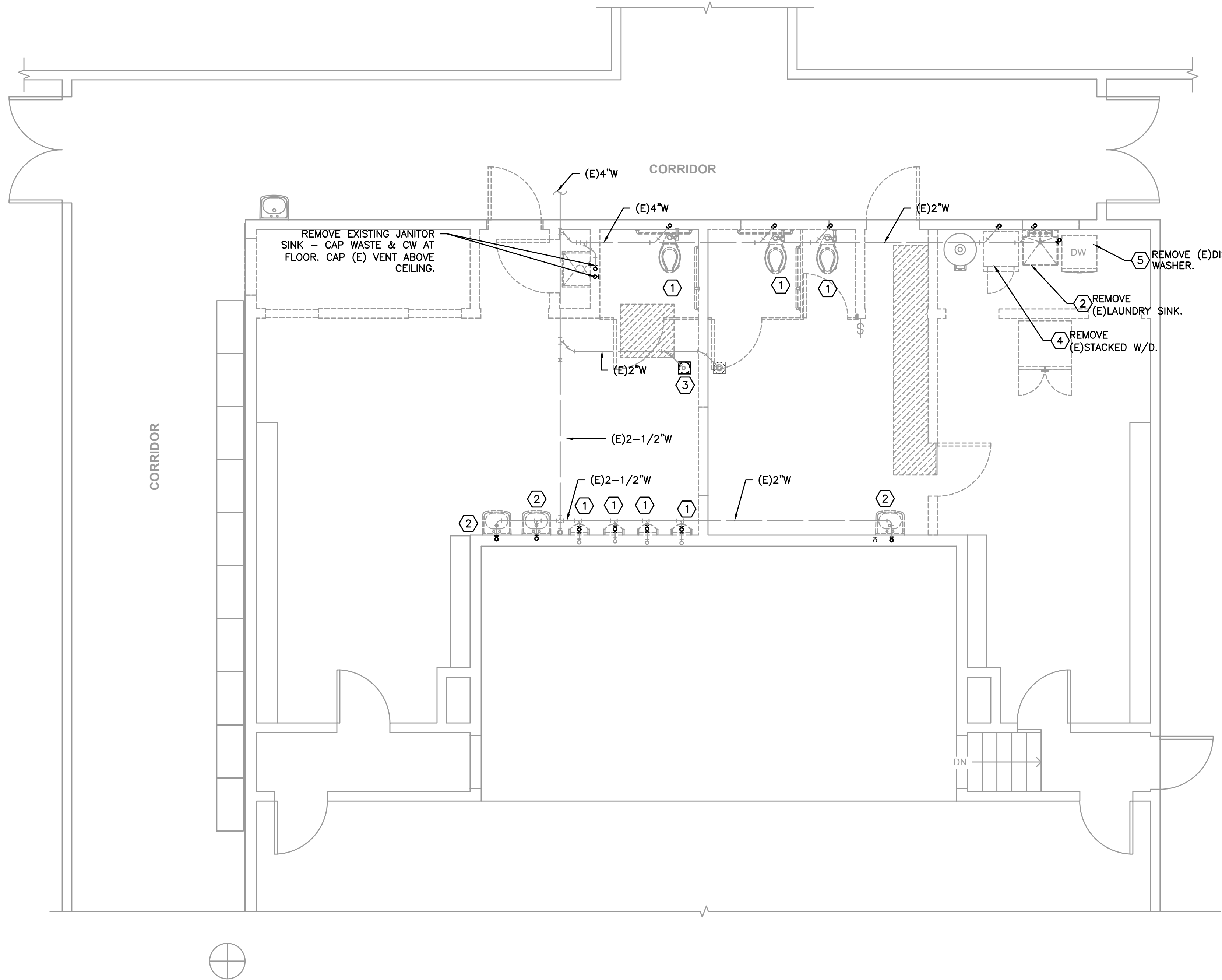
#### CONSTRUCTION

REVISIONS:  
# DATE DESCRIPTION

DATE: MAY 2025

SHEET TITLE:  
SCHEDULES &  
INTERIOR  
ELEVATIONS

A6.1



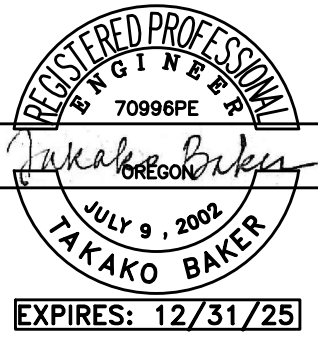
1 PLUMBING UNDERSLAB DEMO PLAN  
P1.0 SCALE: 1/4"=1'-0"

PLUMBING DEMO NOTES: (#)

1. REMOVE (E)FIXTURE. CAP (E) WASTE LINE BELOW FLOOR.
2. REMOVE (E)FIXTURE. CAP (E)WASTE LINE AT WALL; PATCH WALL PER ARCH.
3. REMOVE (E)FLOOR DRAIN AND CAP BELOW FLOOR. PATCH FLOOR PER ARCH.
4. REMOVE (E)WASHER FITTING IN WALL. CAP WASTE AT WALL AND PATCH WALL PER ARCH.
5. REMOVE WASTE FOR (E)DISHWASHER AND CAP AT FLOOR. PATCH FLOOR PER ARCH.

GENERAL NOTES:

1. SEE P6.1 FOR PLUMBING LEGEND, SCHEDULES AND DETAILS.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING LOCATION OF PIPING AND EQUIPMENT PRIOR TO COMMENCING WORK. ANY DISCREPANCIES IDENTIFIED SHALL BE PROMPTLY REPORTED TO THE ENGINEER FOR REVIEW AND DIRECTION.



PROJECT NO.: 24-079

LITTLE PIRATES PRE-SCHOOL REMODEL,  
MILNER CREST SCHOOL  
COOS BAY SCHOOL DISTRICT  
1265 HENLOCK AVE  
COOS BAY, OREGON 97420

CONSTRUCTION

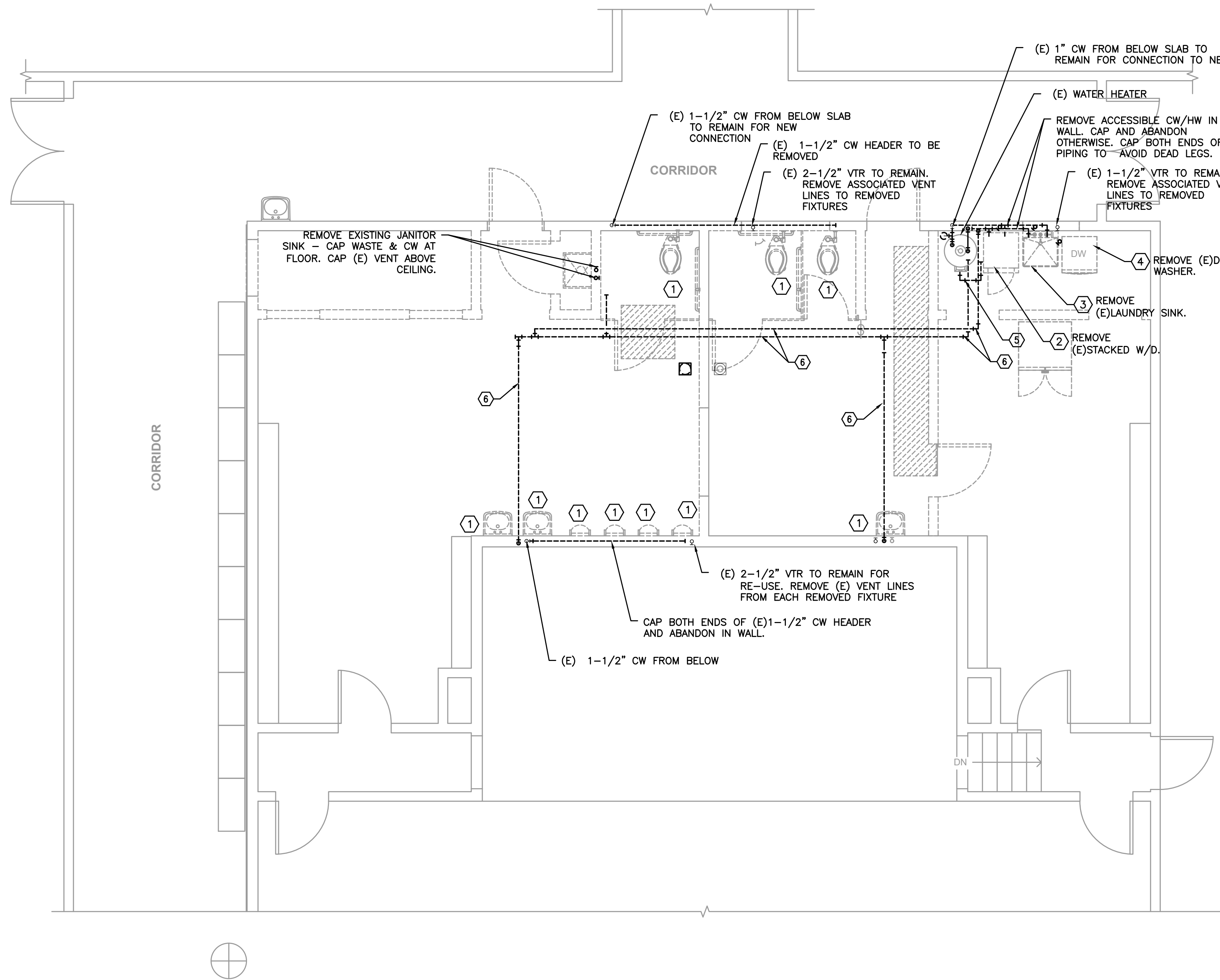
REVISIONS:  
# DATE DESCRIPTION

DATE: APR 2025

SHEET TITLE:  
UNDERSLAB  
PLUMBING  
DEMO PLAN

P1.0





1 PLUMBING DEMO PLAN  
P1.1 SCALE: 1/4"=1'-0"

PLUMBING DEMO NOTES:

1. REMOVE (E)FIXTURE. CAP (E) VENT UNLESS RE-USED FOR NEW FIXTURE INSTALLATION. CAP (E) HW/ CW IN WALL AND PATCH WALL PER ARCH.
2. REMOVE (E)RECESSED WASHER FITTING; REMOVE CW/HW PER PLAN. COORDINATE WALL PATCH WITH ARCH.
3. REMOVE (E)CW / HW PER PLAN. COORDINATE WALL PATCH WITH ARCHITECT.
4. REMOVE (E)CW/HW HOSES FROM ADJACENT LAUNDRY SINK FACUET.
5. REMOVE/RE-LOCATE (E)HW RECIRC PUMP. REMOVE CONNECTION TO WATER HEATER DRAIN.RE-PIPE PIPING TO WATER HEATER PER DETAIL.
6. ABANDON IN PLACE ALL CONCEALED HW/HWR PIPING ABOVE CEILING. REMOVE ALL EXPOSED HW/HWR PIPING IN ROOM.

GENERAL NOTES:

1. SEE P6.1 FOR PLUMBING LEGEND, SCHEDULES AND DETAILS.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING LOCATION OF PIPING AND EQUIPMENT PRIOR TO COMMENCING WORK. ANY DISCREPANCIES IDENTIFIED SHALL BE PROMPTLY REPORTED TO THE ENGINEER FOR REVIEW AND DIRECTION.



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LITTLE PIRATES PRE-SCHOOL REMODEL,  
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1265 HENLOCK AVE  
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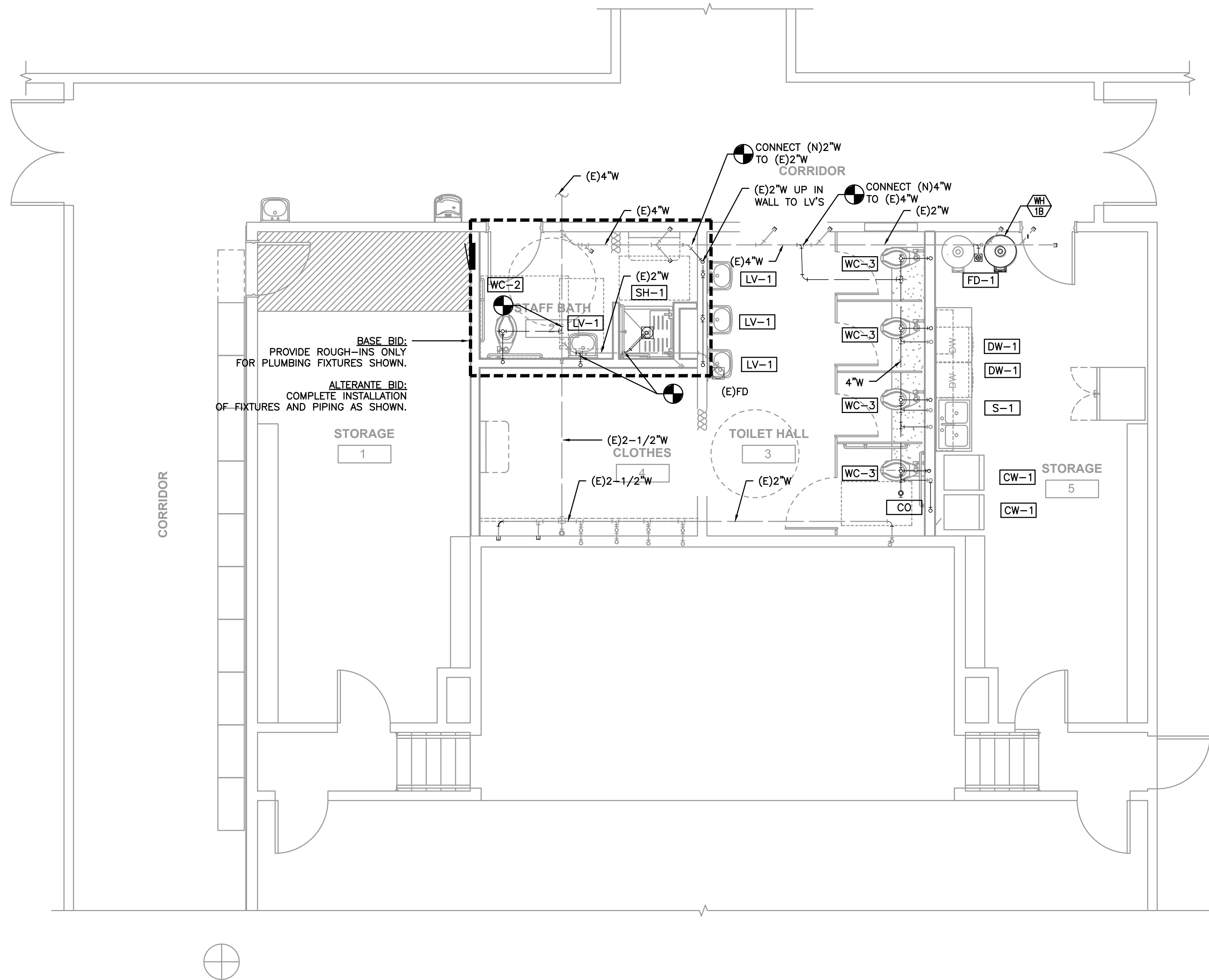
CONSTRUCTION

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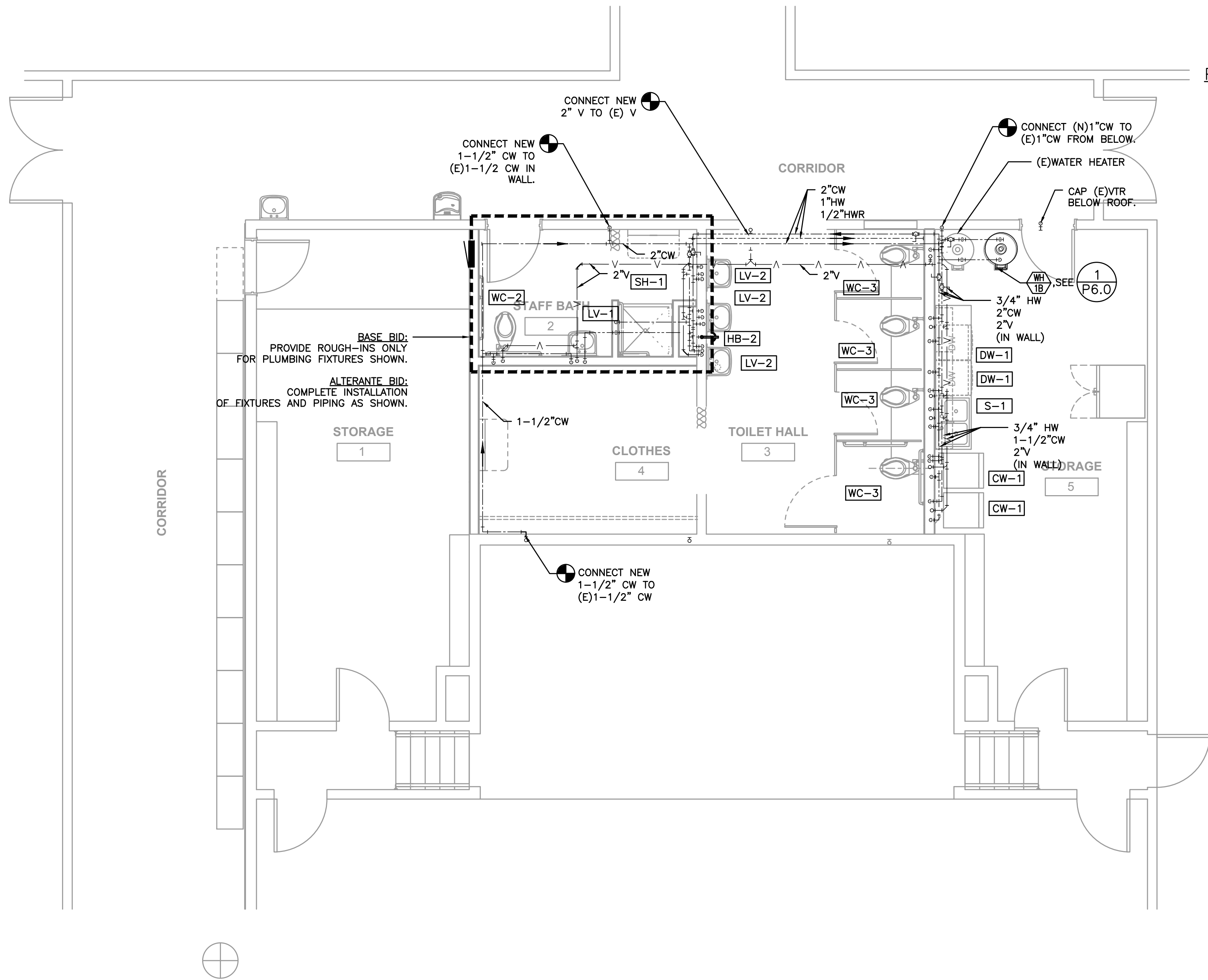
DATE: APR 2025

SHEET TITLE:  
PLUMBING DEMO  
PLAN

P1.1



1 PLUMBING UNDERSLAB  
P2.0 SCALE: 1/4\"=1'-0"



PLUMBING GENERAL NOTES:

1. PROVIDE ESCUTCHEONS AT NEW/EXISTING EXPOSED PIPE PENETRATIONS THRU WALLS.
2. PAINT PIPING TO MATCH ARCHITECTURAL.
3. CONTRACTOR TO VERIFY EXISTING PLUMBING LOCATION/SIZES AND CONDITIONS PRIOR TO COMMENCING WORK. NOTIFY ARCHITECT WITH DISCREPANCIES.

1 PLUMBING PLAN  
P2.1 SCALE: 1/4"=1'-0"

CONSTRUCTION

REVISIONS:  
# DATE DESCRIPTION

DATE: APR 2025

SHEET TITLE:  
PLUMBING PLAN

P2.1



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	-----	(HT) HOT WATER HEAT TRACED
CAP.	.....	CAPACITY	-----	(W) BELOW GRADE WASTE
C.I.	.....	CAST IRON	-----	(W) ABOVE GRADE WASTE
COMP.	.....	COMPARTMENT	-----	(V) VENT
CONT.	.....	CONTINUATION	-----	(RD) RAIN DRAIN
CU.	.....	CUBIC	-----	(OD) OVERFLOW RAIN DRAIN
DF	.....	DRINKING FOUNTAIN	-----	(FDC) (FDC) FIRE DEPARTMENT CONNECTION
DI	.....	DIENIONIZED (WATER)	-----	(A) (A) COMPRESSED AIR
DIA.	.....	DIAMETER	-----	(PHW) (PHW) PROCESS HOT WATER
ELEV.	.....	ELEVATION	-----	(PCW) (PCW) PROCESS COLD WATER
EWC	.....	ELECTRIC WATER COOLER	-----	(VAC) VACUUM
FD	.....	FLOOR DRAIN	-----	(G) (G) NATURAL GAS
FDC	.....	FIRE DEPARTMENT CONNECTION	-----	(F) (F) FIRE WATER
F.F.	.....	FINISH FLOOR	-----	
FLG.	.....	FLANGE	-----	
FT	.....	FOOT / FEET	-----	
G	.....	GAS	-----	
GALV.	.....	GALVANIZED	-----	
GPM	.....	GALLONS PER MINUTE	-----	
G.V.	.....	GATE VALVE	-----	
HP	.....	HORSEPOWER	-----	
HR.	.....	HOUR	-----	
I.E.	.....	INVERT ELEVATION	-----	
KW	.....	KILOWATT	-----	
LAV	.....	LAVATORY	-----	
LBS	.....	POUNDS	-----	
MAX.	.....	MAXIMUM	-----	
MBH	.....	THOUSANDS OF BTUs PER HOUR	-----	
MIN.	.....	MINIMUM	-----	
M.J.	.....	MECHANICAL JOINT	-----	
N.I.M.	.....	NOT IN MECHANICAL	-----	
OS&Y	.....	OUTSIDE STEM & YOKE	-----	
PROT.	.....	PROTECTION	-----	
PRV	.....	PRESSURE REDUCING VALVE	-----	
PSI, PSIG	.....	POUNDS PER SQUARE INCH	-----	
P/T	.....	PRESSURE / TEMPERATURE	-----	
REQ'D	.....	REQUIRED	-----	
RPBP	.....	REDUCED PRESSURE BACKFLOW PREVENTER	-----	
RPM	.....	REVOLUTIONS PER MINUTE	-----	
TYP.	.....	TYPICAL	-----	
UR	.....	URINAL	-----	
VTR	.....	VENT THROUGH ROOF	-----	
WC	.....	WATER CLOSET	-----	

	.....	EQUIPMENT MARK NUMBER
	.....	FIXTURE MARK
(E)	.....	EXISTING
	.....	NOTE
	.....	CONNECT TO EXISTING
	.....	CAP
	.....	TEE
	.....	ELBOW
	.....	CLEANOUT

	.....	PRESSURE/TEMP RELIEF VALVE
	.....	BUTTERFLY VALVE
	.....	GAS PRESSURE REGULATING VALVE
	OR	TOP CONNECTION
	.....	BOTTOM CONNECTION
	.....	PIPE TURNED UP, PIPE TURNED DOWN
	.....	GATE VALVE
	.....	BALL VALVE
	.....	BALANCING VALVE
	.....	CHECK VALVE
	.....	UNION
	.....	DOUBLE CHECK ASSEMBLY

PLUMBING CONNECTION SCHEDULE

MARK	FIXTURE	W	V	CW	HW	REMARKS
CW-1	CLOTHES WASHER FITTING	2"	2"	1/2"	1/2"	SIoux CHIEF OXBOX
S-1	SINK	(2)1-1/2"	1-1/2"	1/2"	1/2"	DUAL COMPARTMENT (NOTE 1)
DW-1	DISHWASHER				1/2"	ROUTE DRAIN TO SINK TAIL PIECE(NOTE 1)
SH-1	SHOWER	2"	1-1/2"	1/2"	1/2"	STALL, ADA
LV-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	WALL MOUNT
WC-3	WATER CLOSET	4"	2"	1/2"		CHILD HEIGHT, FLUSH VALVE
WC-2	WATER CLOSET	4"	2"	1/2"		FLOOR MOUNT, FLUSH VALVE, ADA
HB-2	HOSE BIB			3/4"		INDOOR HOSE BIB

V.L. - VENTED LINE  
1. PROVIDE (2) SEPARATE DRAIN CONNECTIONS FOR CONNECTION TO EACH DISHWASHER DRAIN.

TABLE 1006.0  
FLOORS DRAINS

MAXIMUM HORIZONTAL DISTANCE TO VENT OR VENTED LINE

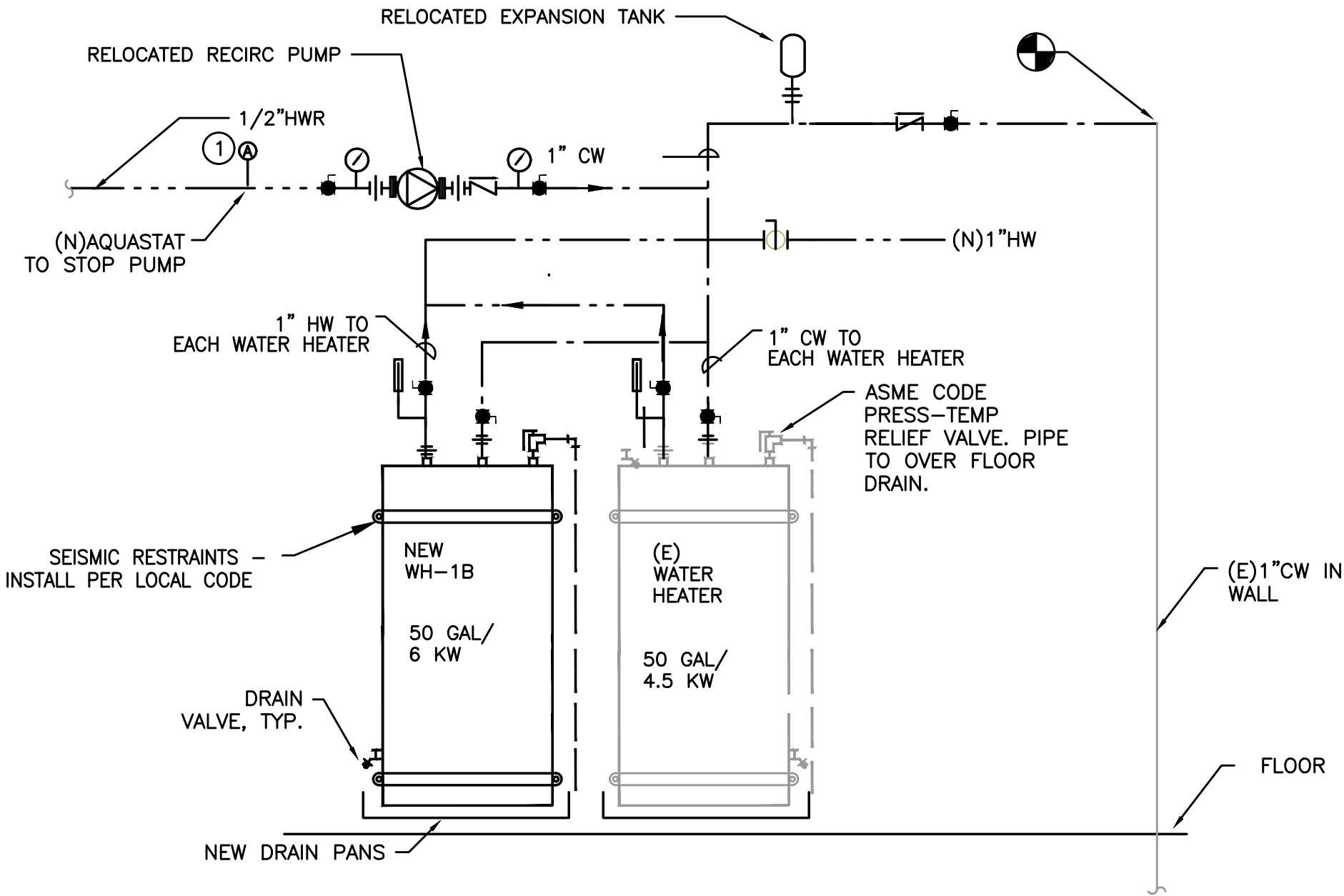
TRAP SIZE, I.D. (INCHES)	WASTE BRANCH SIZE (INCHES)	MAXIMUM DISTANCE (FEET)
2	2	6
3	3	10
4	4	14
6	6	20

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.  
2. Catch basins required in Section 705.0 do not apply when  
using Table 1006.0 except for catch basins.

ELECTRIC WATER HEATERS

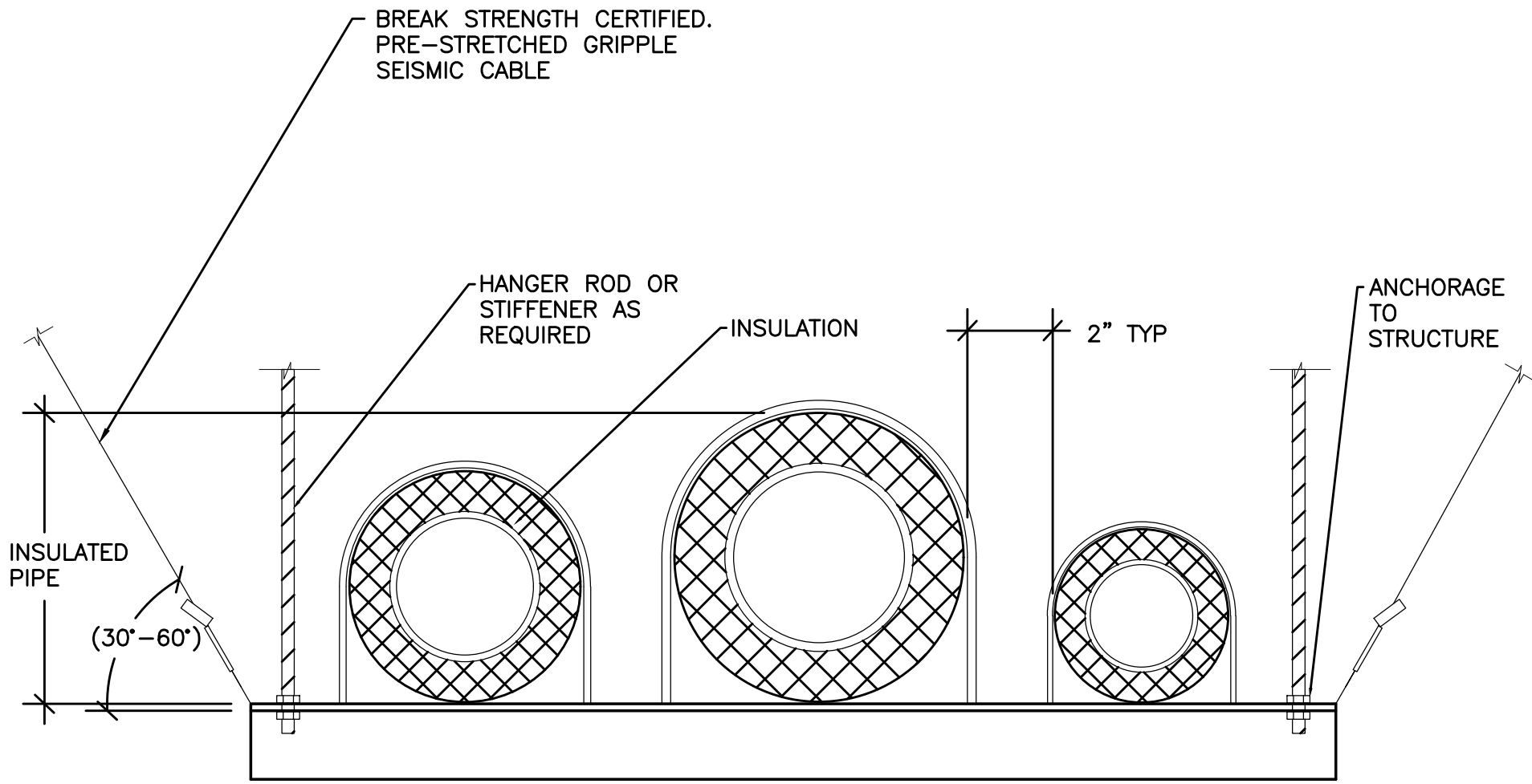
MARK NUMBER	
FUEL	ELECTRIC
CAPACITY (GAL)	50
KW	6 KW
RECOVERY CAP. @ 100F TR (GPH)	25
ELECTRICAL (V/PH)	240/1
DESIGN WEIGHT (LBS)	750
BASIS OF DESIGN: BRADFORD WHITE	LE 350S3-3



NOTES  
1. PROVIDE 7-DAY PROGRAMMABLE ELECTRONIC TIMECLOCK CONTROL TO START/STOP PUMP PER BUILDING OCCUPIED SCHEDULE.

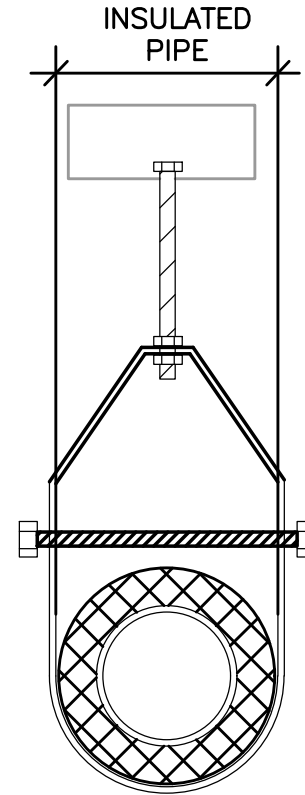
GENERAL NOTES  
1. SET WATER HEATER TO 140° F.  
2. PIPE CW IN AND HW OUT IN REVERSE RETURN.  
3. ALL LAVATORIES ARE INSTALLED WITH ASME 1070 PONT OF USE MIXING VALVE.  
4. SHOWERS ARE INSTALLED WITH ASME 1060 MIXING VALVE.

1 WATER HEATER RE-PIPE DETAIL  
P6.0 SCALE: DETAIL



TRAPEZE

PIPE SIZE GUIDE FOR INSULATED PIPE			
MATERIAL/SERVICE	NOMINAL SIZE (IN)	INSULATION THICKNESS (IN)	PIPE AND INSULATION (IN)
CU TYPE K / PEX DOMESTIC COLD	1	1/2	2 1/8
	1 1/2		2 5/8
	2		3 1/8
	2 1/2		3 5/8
	3	1/2	4 1/8
	4		5 1/8
CU TYPE K / PEX DOMESTIC HOT	1	1 1/2	3 1/8
	1 1/2		4 5/8
	2		5 1/8
	2 1/2		5 5/8
	3		6 1/8
	4		7 1/8



ADJUSTABLE HANGER

2 INSULATED PIPE ON HANGER OR TRAPEZE DETAIL  
P6.0 SCALE: DETAIL

PLUMBING GENERAL NOTES:

- 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.
- REFER TO THE PLUMBING SPECIFICATIONS FOR MATERIALS, EQUIPMENT, AND ADDITIONAL CONSTRUCTION INSTRUCTIONS NOT COVERED BY THESE PLANS.
- 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.
- 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), 2023 OREGON ENERGY EFFICIENCY SPECIALTY CODE (OEEEC)-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.
- ALL PIPES, EXITING, ENTERING OR PASSING THROUGH ANY RATED FIRE WALL OR OCCUPANCY SEPARATION SHALL HAVE FIRE BLOCKING.
- ALL NON-PRESSURIZED DRAIN LINES (SANITARY WASTE) ARE TO HAVE A MINIMUM SLOPE OF 1/4" PER FOOT UNLESS OTHERWISE NOTED.
- ALL PIPING INVERTS OR ELEVATIONS ARE MEASURED TO BOTTOM OF PIPE (BOP), UNLESS OTHERWISE IDENTIFIED.
- 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.
- VENT PER CODE AND AS SHOWN ON DRAWINGS.
- ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED LOCATION. TRENCHES FOR PIPING SHALL BE SHORED AND WIDE ENOUGH FOR PROPER INSTALLATION.
- PROVIDE CLEANOUTS WHERE INDICATED AND PER CODE.
- PRIME FLOOR DRAINS/SINKS PER CODE.
- PROVIDE DIELECTRIC FITTINGS AT DISSIMILAR METALS PIPE CONNECTIONS.
- VERIFY ALL ELECTRICAL REQUIREMENTS BEFORE ORDERING EQUIPMENT.
- INSTALL ALL EQUIPMENT PER MANUFACTURERS' INSTRUCTIONS.
- CONTRACTOR TO PROVIDE ACCESS DOORS WHERE REQUIRED BY CODE.
- CONTRACTOR TO FLASH AND COUNTER-FLASH NEW VENT THRU ROOF WATER TIGHT.
- 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).

CONSTRUCTION

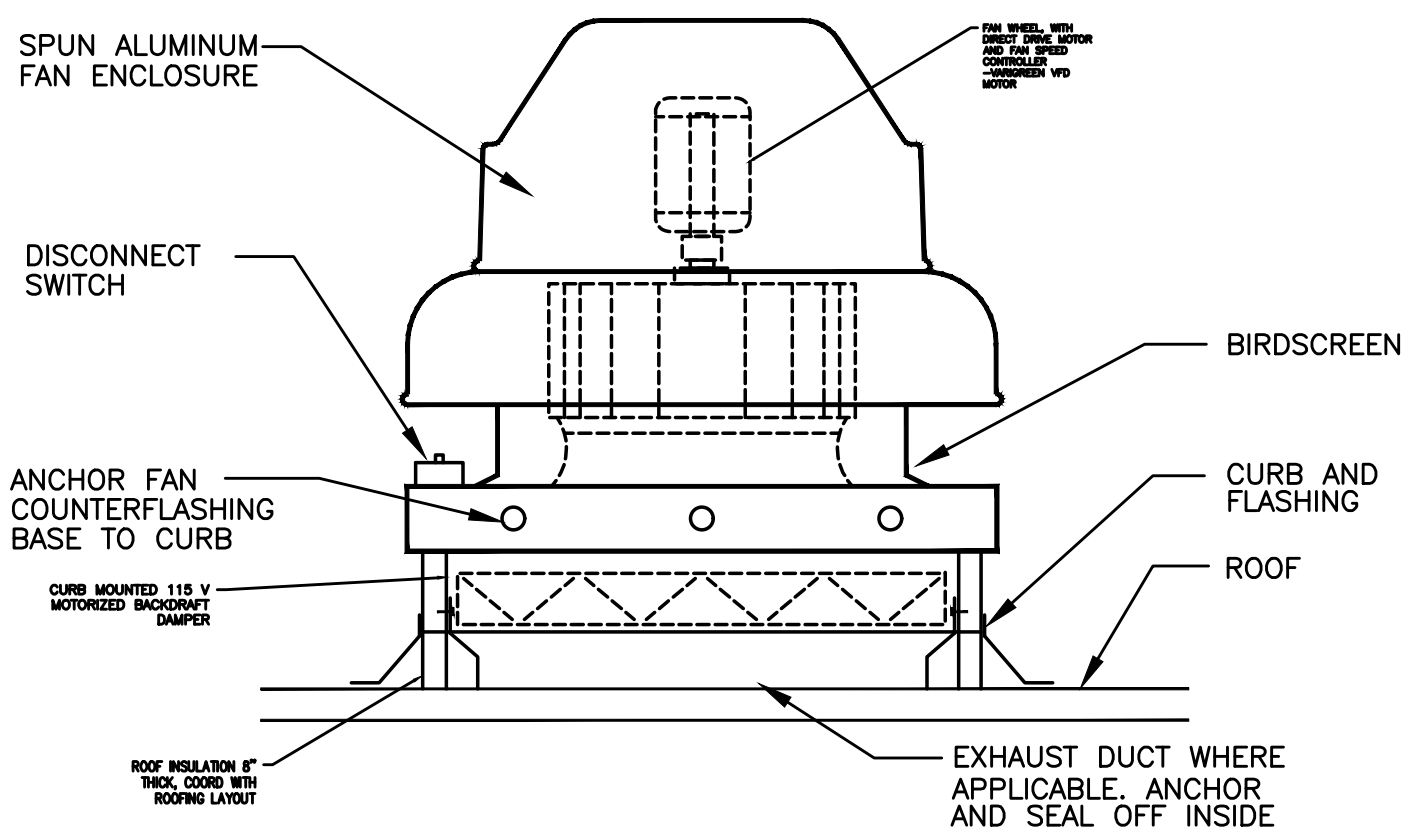
REVISIONS:  
# DATE DESCRIPTION

DATE: APR 2025

SHEET TITLE:  
PLUMBING  
LEGEND,  
SCHEDULES AND  
DETAILS



MECHANICAL LEGEND		
	.....	SUPPLY AIR DIFFUSER
	.....	RETURN AIR GRILLE
	.....	EXHAUST AIR GRILLE
	.....	PERFORATED RETURN AIR PANEL
	OR	DIRECTIONAL AIR FLOW
	.....	MANUAL VOLUME DAMPER
	.....	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
	.....	RETURN AIR DUCT UP & DOWN
	.....	EXHAUST AIR DUCT UP & DOWN
	.....	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
	.....	RETURN AIR DUCT UP & DOWN
	.....	EXHAUST AIR DUCT UP & DOWN
	.....	VAV TERMINAL UNIT
	.....	VVT TERMINAL UNIT
	(E)	EXISTING
	.....	CONNECT TO EXISTING
	① AC-4	THERMOSTAT OR TEMP. SENSOR
	?	NOTE
	XX ?	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
AFF	.....	ABOVE FINISH FLOOR
AHU	.....	AIR HANDLING UNIT
B.D.	.....	BOTTOM OF DUCT
BHP	.....	BRAKE HORSEPOWER
BTU	.....	BRITISH THERMAL UNITS
CFM	.....	CUBIC FEET PER MINUTE
CONN.	.....	CONNECTION
CONT.	.....	CONTINUATION
CW	.....	DOMESTIC COLD WATER
DB	.....	DRY BULB
DIA.	.....	DIAMETER
DIST.	.....	DISTRIBUTION
EA	.....	EXHAUST AIR
EDB	.....	ENTERING DRY BULB TEMPERATURE
EWB	.....	ENTERING WET BULB TEMPERATURE
EWT	.....	ENTERING WATER TEMPERATURE
FF	.....	FINISH FLOOR
FIXT.	.....	FIXTURE
FPM	.....	FEET PER MINUTE
FPS	.....	FEET PER SECOND
FT.	.....	FEET / FOOT
GA.	.....	GAUGE
GPM	.....	GALLONS PER MINUTE
H	.....	HEIGHT
HP	.....	HORSEPOWER
I.D.	.....	INSIDE DIAMETER
IN.	.....	INCHES
L	.....	LENGTH
LBS.	.....	POUNDS
LDB	.....	LEAVING DRY BULB
LWB	.....	LEAVING WET BULB
LWT	.....	LEAVING WATER TEMPERATURE
MAX.	.....	MAXIMUM
MBH	.....	THOUSANDS OF BTUs PER HOUR
MIN.	.....	MINIMUM
NC	.....	NOISE CRITERIA
N.C.	.....	NORMALLY CLOSED
N.I.M.	.....	NOT IN MECHANICAL
NO.	.....	NUMBER
N.O.	.....	NORMALLY OPEN
O.A.	.....	OUTSIDE AIR
P	.....	PERSON
PSI	.....	POUNDS PER SQUARE INCH
P/T	.....	PRESSURE / TEMPERATURE
R.A.	.....	RETURN AIR
R	.....	REFRIGERANT
RECT.	.....	RECTANGULAR
REQ'D	.....	REQUIRED
S.A.	.....	SUPPLY AIR
S.P.	.....	STATIC PRESSURE
SQ.	.....	SQUARE
TEMP.	.....	TEMPERATURE
TYP.	.....	TYPICAL
VAV	.....	VARIABLE AIR VOLUME
W	.....	WIDTH
WB	.....	WET BULB
WPD	.....	WATER PRESSURE DROP
Ø	.....	DIAMETER
.....	(E)	EXISTING
.....	(D)	DEMOLISH
.....	.....	NEW WORK
.....	HWS	(HWS) HEATING WATER SUPPLY
.....	HWR	(HWR) HEATING WATER RETURN

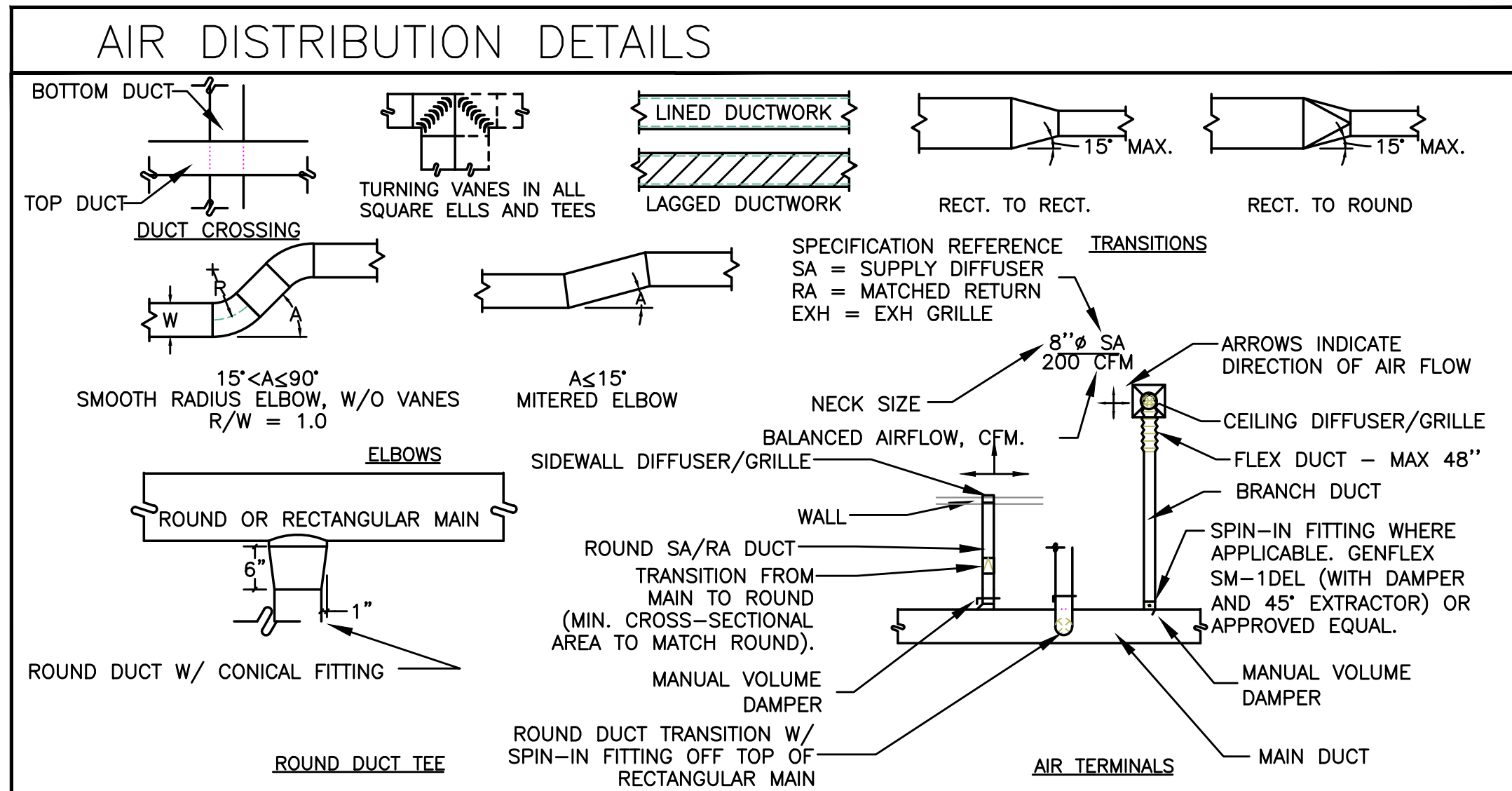


1 M0.1 ROOF EXHAUST FAN DETAIL

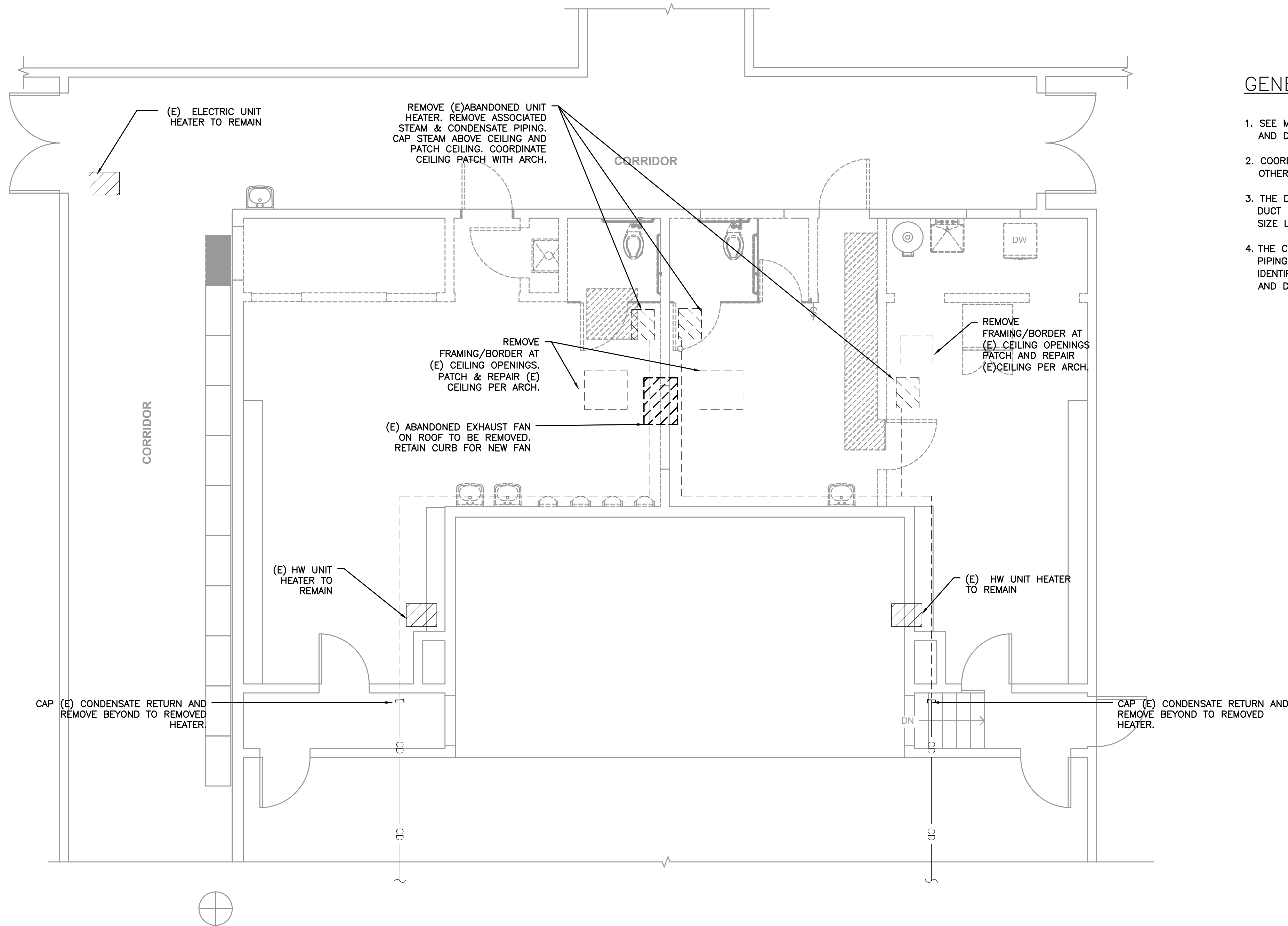
EXHAUST FAN										
Mark Number	Basis of Design	Model	Actual Volume (CFM)	Total External SP (in wg)	Fan Speed (RPM)	Operating Power (hp)	Motor Size Nema (hp)	Base Fan Weight (lb)	Inlet dBA (dB)	Inlet Sones
EF-1	Greenheck	G-090-VG	450	0.35	1,442	0.06	1/10	18	52	6.5

- FAN SHALL OPERATE IN ACCORDANCE WITH BUILDING OCCUPANCY SCHEDULE. CONTRACTOR SHALL PROVIDE A 7-DAY PROGRAMMABLE TIMER AND PROGRAM IT BASED ON THE BUILDING'S OCCUPANCY SCHEDULE. COORDINATE WITH THE SCHOOL DISTRICT TO FOMFIRM AND IMPLEMENT CORRECT SCHEDULE.
- ELECTRICAL DATA LISTED FOR REFERENCE ONLY, COORDINATE WITH ELECTRICAL DEIGN BUILD CONTRACTOR FOR VOLTAGE AND PHASE REQUIREMENTS
- INSTALL WITH BACKDRAFT DAMPER.
- UNDER BASE BID, BALANCE FAN TO 300 CFM.

ELECTRIC WALL HEATER SCHEDULE			
MARK	EW1	EW2	EW3
NUMBER	1	2	3
SERVICE	STAFF	CLOTHES	TOILET HALL
TYPE	WALL MOUNTED	WALL MOUNTED	WALL MOUNTED
H WATTS	750	750	750
E VOLT/PH	120/1	120/1	120/1
A AMPS	6.3	6.3	6.3
T CFM	65	65	65
OPERATING WEIGHT (LBS)	12	12	12
BASIS OF DESIGN: QMARK	CWH1151DSF	CWH1151DSF	CWH1151DSF
NOTES	1,2	1,2	1,3
NOTES: 1 BUILT IN THERMOSTAT (SET TO 68 DEGREE F, ADJUSTABLE) 2 RECESSED MOUNTED @ 12" ABOVE FINISHED FLOOR. 3 SURFACE MOUNTED @ 12" ABOVE FINISHED FLOOR			







1 MECHANICAL DEMO PLAN  
M1.0 SCALE: 1/4"=1'-0"

GENERAL NOTES:

1. SEE M0.1 FOR MECHANICAL LEGEND, SCHEDULES AND DETAILS.
2. COORDINATE HVAC EQUIPMENT AND DUCTWORK LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION.
3. THE DUCT SIZE NOTED ON THE DRAWINGS IS THE CLEAR OPENING OF THE DUCT WITH LINING OR INSULATION. INSULATION SHALL NOT REDUCE DUCT SIZE LISTED. SEE SPEC 23 3000.
4. THE CONTRACTOR SHALL VERIFY THE EXISTING LOCATION OF DUCTWORK, PIPING AND EQUIPMENT PRIOR TO COMMENCING WORK. ANY DISCREPANCIES IDENTIFIED SHALL BE PROMPTLY REPORTED TO THE ENGINEER FOR REVIEW AND DIRECTION.



PROJECT NO.: 24-079  
LITTLE PIRATES PRE-SCHOOL REMODEL,  
MILNER CREST SCHOOL  
COOS BAY SCHOOL DISTRICT  
1265 HENLOCK AVE  
COOS BAY, OREGON 97420

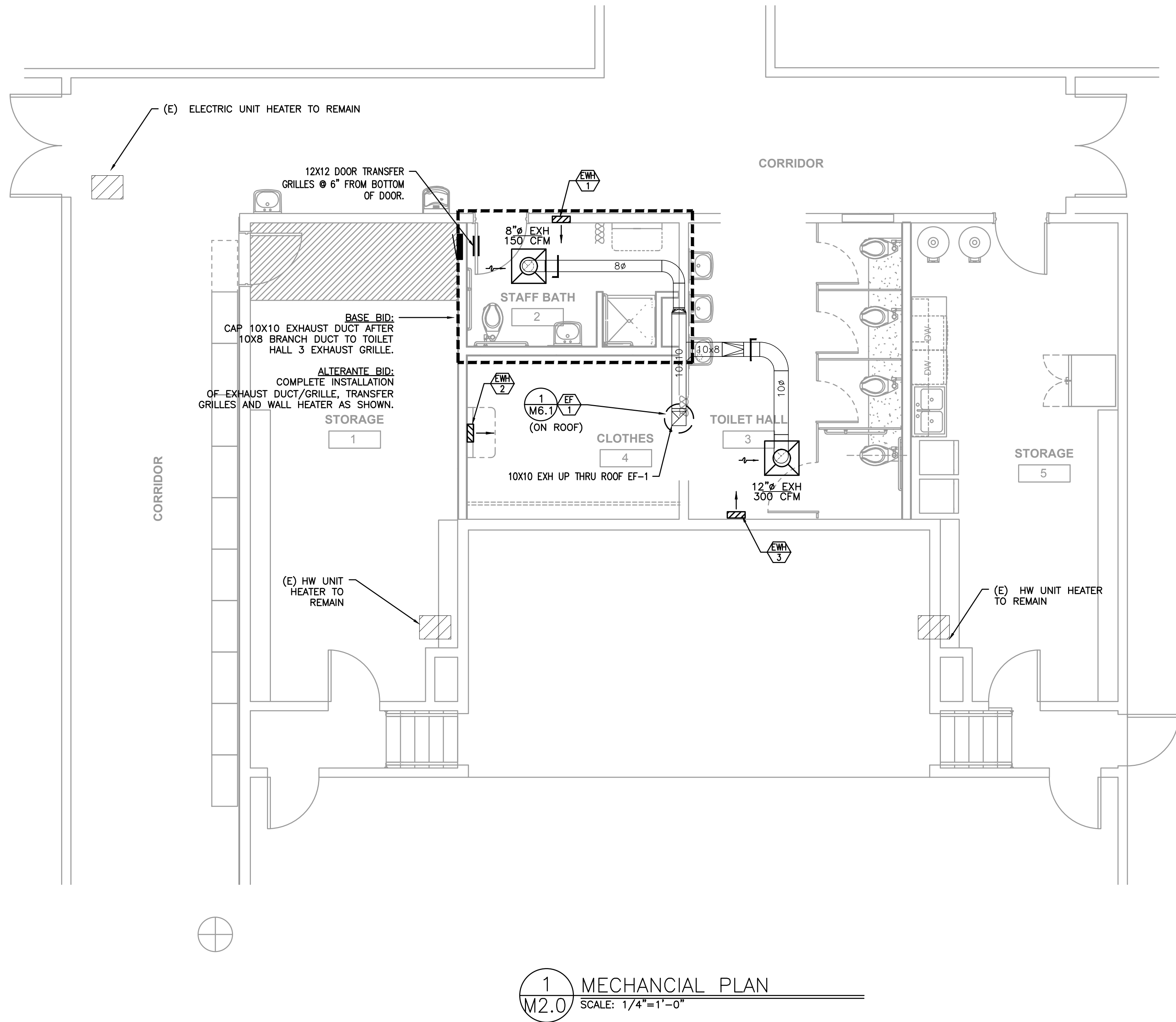
CONSTRUCTION

REVISIONS:  
# DATE DESCRIPTION

DATE: APR 2025

SHEET TITLE:  
MECHANICAL  
DEMO PLAN

M1.0



GENERAL NOTES:

1. SEE M0.1 FOR MECHANICAL LEGEND, SCHEDULES AND DETAILS.
2. COORDINATE HVAC EQUIPMENT AND DUCTWORK LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION.
3. THE DUCT SIZE NOTED ON THE DRAWINGS IS THE CLEAR OPENING OF THE DUCT WITH LINING OR INSULATION. INSULATION SHALL NOT REDUCE DUCT SIZE LISTED. SEE SPEC 23 3000.
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LITTLE PIRATES PRE-SCHOOL REMODEL,  
MILNER CREST SCHOOL  
COOS BAY SCHOOL DISTRICT  
1265 HENLOCK AVE  
COOS BAY, OREGON 97420

CONSTRUCTION

REVISIONS:		
#	DATE	DESCRIPTION

DATE: APR 2025  
SHEET TITLE:  
MECHANICAL  
PLAN

M2.0



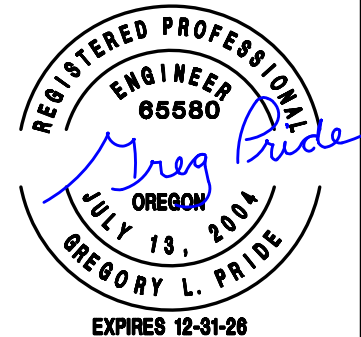
NOTES	DESCRIPTION	NOTES
	METER, TYPE AS NOTED	
F	GROUND	
	NEUTRAL BUS	
	POT	
	EQUIPMENT NUMBER (SEE EQUIPMENT SCHEDULE)	
	NON-FUSED DISCONNECT SWITCH	
	FUSED DISCONNECT SWITCH (FUSED SIZE PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS UNO.)	
	BRANCH CIRCUIT PANELEBOARD	
	BRANCH CIRCUIT INSTALLED CONCEALED FROM FINISH SURFACE PROVIDE PROTECTIVE RECOMMENDATIONS UNO.	
	BRANCH CIRCUIT HOOK 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.	
LA 1.35	BRANCH CIRCUIT HOOK 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.	
Q	JUNCTION BOX, 4" SQUARE UNLESS OTHERWISE NOTED	
	PAN-FORCED WALL HEATER	
	PAN-FORCED UNIT HEATER	

SYMBOLS	DATA	NOTES
▼	DATA: 2 CABLE DROPS	+ 18"

SYMBOLS	FIRE ALARM	NOTES
(M)	MANUAL PULL STATION	+ 44"
(V)	COMBINATION VISUAL / AUDIBLE ALARM	+ 80" AFTB
(V)	VISUAL STROBE ALARM	+ 80" AFTB
(P)	PHOTOELECTRIC SMOKE DETECTOR (CEILING MOUNTED UNO)	
(I)	IONIZATION SMOKE DETECTOR (CEILING MOUNTED UNO)	
(D)	MAGNETIC DOOR HOLDER	
(H)	HEAT DETECTOR (CEILING MOUNTED, 135° UNO)	

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Myrtle Point, Oregon  
[www.ee-engineering.com](http://www.ee-engineering.com)



## GENERAL PROVISIONS

- END OF SECTION

1. 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.
2. 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.
3. 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.
4. WIRING WHICH SERVES USABLE EXISTING OUTLETS SHALL BE REROUTED AND RESTORED CLEAR OF OBSTRUCTION. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEM. REPAIR OR RECONDITION ASSOCIATED SURFACES TO MATCH ADJACENT SURFACES. VERIFY EXACT LOCATIONS IN THE FIELD.
5. 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 BUILDING CONSTRUCTION, UNUSABLE WIRING AND CONDUIT SHALL BE TRACED TO ORIGIN. WIRING WHICH SERVES USABLE EXISTING LIGHTING AND POWER OUTLETS SHALL BE REROUTED AND RESTORED CLEAR OF OBSTRUCTION. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEM.
6. 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.

THIS PROJECT DOES NOT INCLUDE THE UPGRADE OF THE IN-COMING ELECTRICAL SERVICE AND DISTRIBUTION. PLEASE SEE SEPARATE PROJECT FOR THAT INFORMATION.

EXISTING ELECTRICAL SERVICE IS 120/240 VOLT, 3-PHASE.

THE GEAR IS A MIX OF AN OLD 1940'S ERA MAIN DISTRIBUTION PANEL ALONG WITH GUTTER-TAPPED DISCONNECTS.

24-MONTH PEAK UTILITY DEMAND IS 68 KW (168 AMPS 3-PHASE)

PROJECT NO.: 24.079

COOS BAY SCHOOL DISTRICT - MILNER CREST SCHOOL  
LITTLE PIRATES PRESCHOOL REMODEL

1255 HEMLOCK AVE, COOS BAY, OREGON 97420

## BID SCHEDULE B

## CONSTRUCTION

REVISIONS:

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DATE: MAY 2025

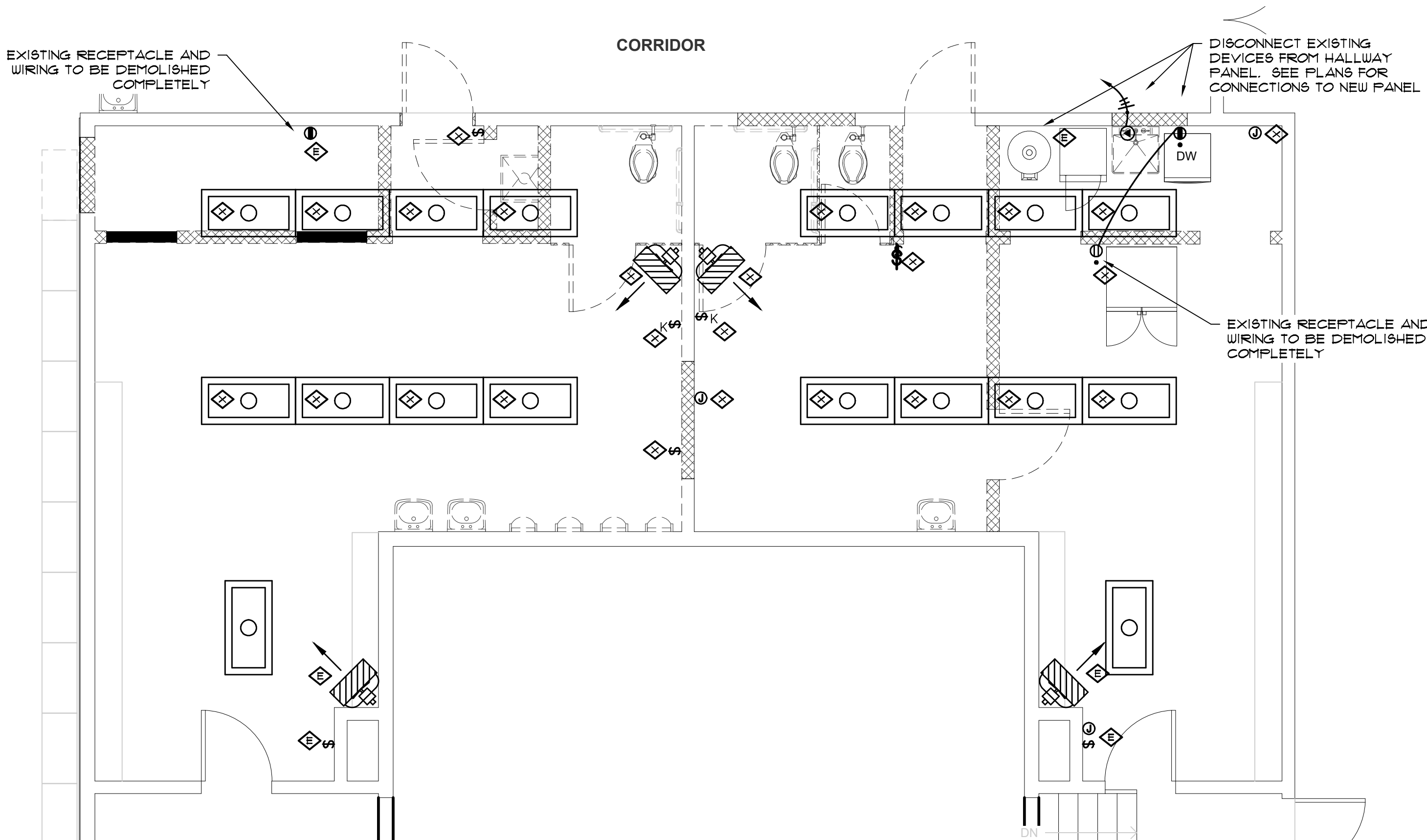
SHEET TITLE:  
**ELECTRICAL PLAN  
SYMBOLS AND  
SPECIFICATIONS**

# E1.0

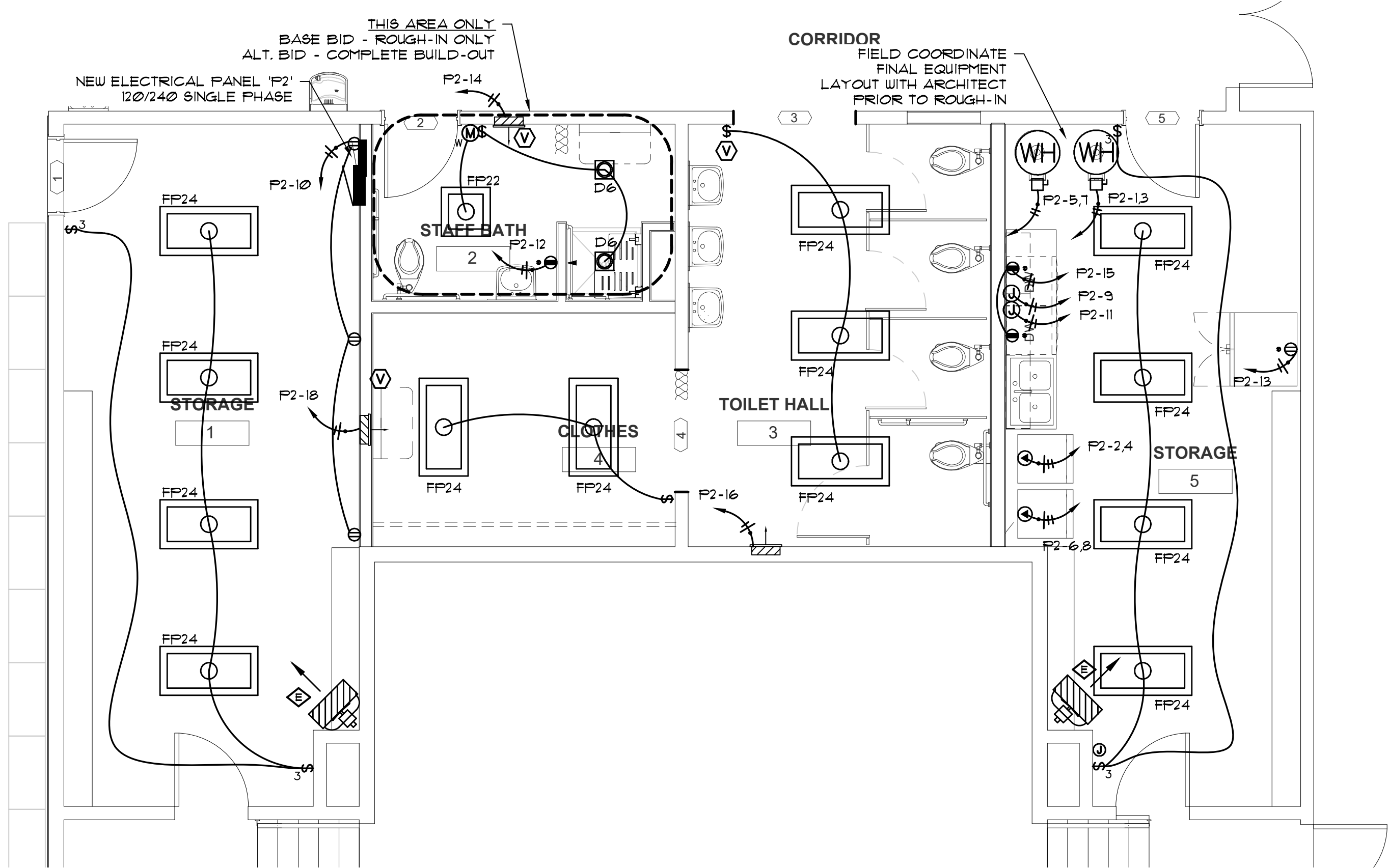
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FILE No. D:\Double 'E' Engineering\Projects\25.08 CBSD Restrooms\Drawings\25.08 CBSD Restroom Renovations.dwg 05/16/25 07:58 - greg



1 DEMOLITION PLAN  
E3.1 SCALE: 1/4" = 1'-0"



2 POWER & LIGHTING PLAN  
E3.1 SCALE: 1/4" = 1'-0"

New Storage Rm Panel										PANEL ' P2 '										FAULT CURRENT = 13,575									
200 AMP										MAIN BREAKER										120 / 240 VOLTS									
FEEDER SIZE										ALUMINUM: 2" C, 3 #250 PH, #4 GRD										1-PHASE, 3-WIRE									
																				FLUSH MOUNTED									
LOAD DISTRIBUTION										LTG REC MOTOR DATA EXTG HEAT										MISC PH-A PH-B TOTAL AMPS									
CONNECTED VA										0 15920 0 0 0 12750										0 14690 13580 28670 122									
DIVERSITY FACTOR										125% 81% 100% 100% 65% 100%										100%									
DIVERSIFIED VA										0 12360 0 0 0 12750										0 13214 12496 25710 110									
																				WITH SPARE 25%									
																				35838 VA 153									
																				32138 VA 138									
PL	T	LOAD		VA	HP	PHW	GND	CON	BKR	PH	BKR	CON	GND	PHW	HP	VA	LOAD		T	PL									
1	H	WATER HEATER		3000		8	10	3/4	35	2	A	2	30	1/2	10	10	2500	WASHER / DRYER		R	2								
3	H			3000							B						2500			R	4								
5	H	WATER HEATER		2250		10	10	1/2	30	2	A	2	30	1/2	10	10	2500	WASHER / DRYER		R	6								
7	H			2250							B						2500			R	8								
9	R	DISHWASHER		1200		12	12	1/2	20	1	A	1	20	1/2	12	12	540	REC. STORAGE		R	10								
11	R	DISHWASHER		1200		12	12	1/2	20	1	B	1	20	1/2	12	12	180	REC. STAFF TOILET		R	12								
13	R	REFRIGERATOR		1200		12	12	1/2	20	1	A	1	20	1/2	12	12	750	STAFF HEATER		H	14								
15	R	REC. COUNTER		1600		12	12	1/2	20	1	B	1	20	1/2	12	12	750	RESTROOM HEATER		H	16								
17		SPARE		0				1/2	20	1	A	1	20	1/2	12	12	750	CLOSET HEATER		H	18								
19		SPARE		0				1/2	20	1	B	1	20	1/2			0	SPARE			20								
21		SPARE		0				1/2	20	1	A	1	20	1/2			0	SPARE			22								
23		SPARE		0				1/2	20	1	B	1	20	1/2			0	SPARE			24								
25		SPARE		0				1/2	20	1	A	1	20	1/2			0	SPARE			26								
27		SPARE		0				1/2	20	1	B	1	20	1/2			0	SPARE			28								
29											A										30								
31											B										32								
33											A										34								
35											B										36								
37											A										38								
39											B										40								
41											A										42								

P2

5/16/2025

FED FROM PANEL 'MDP'

Miller Crest Panel

ALL CIRCUIT CONDUCTORS SIZED FOR COPPER

P2 ALL CIRCUIT CONDUCTORS SIZED FOR COPPER  
5/16/2025  
FED FROM PANEL 'MDP' Milner Crest Panel

SHEET NOTES

- ELECTRICAL PANEL:
- PROVIDE NEW 120/240 VOLT ELECTRICAL PANEL 'P2'. CONNECT TO MAIN DISTRIBUTION PANEL AT NORTHWEST CORNER OF GYMNASIUM. FIELD COORDINATE ROUTING AND ALL REQUIREMENTS FOR A COMPLETE CONNECTION.
  - DISCONNECT EXISTING DEVICES TO REMAIN FROM HALLWAY PANEL 'P1' AND RECONNECT TO NEW PANEL 'P2'
- LIGHTING:
- CONNECT NEW LIGHT FIXTURES TO EXISTING UNSWITCHED CIRCUIT SERVING THIS AREA.
  - CONTROL AS INDICATED.
- FIRE ALARM:
- PROVIDE NEW VISUAL STROBES
  - CONNECT TO FIRE ALARM PANEL.

KEYED NOTES

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

LIGHT FIXTURE SCHEDULE

- 6-INCH LED RECESSED DOWNLIGHT. LITHONIA LDN6 AL01 SWW1 LOGAR LD MVOLT OR APPROVED EQUAL. (SET TO 750 LUMENS, 35K, 9 WATTS)
- 2x2 LED FLAT PANEL. LITHONIA CPANL 2X2 AL01 SWW7 M4 OR APPROVED EQUAL. (SET TO 2400 LUMENS, 35K, 22 WATTS)
- 2X4 LED FLAT PANEL. LITHONIA CPANL 2X4 AL06 SWW7 M2 OR APPROVED EQUAL. (SET TO 5000 LUMENS, 35K, 45 WATTS)

# HGE

ARCHITECTS.

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REGISTERED PROFESSIONAL  
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65580  
JULY 13, 2014  
GREGORY L. PRIDE  
EXPIRES 12-31-26

PROJECT NO.: 24-079

COOS BAY SCHOOL DISTRICT - MILNER CREST SCHOOL  
LITTLE PIRATES PRESCHOOL REMODEL  
1255 HEMLOCK AVE. COOS BAY, OREGON 97420  
BID SCHEDULE B

CONSTRUCTION

REVISIONS:

#	DATE	DESCRIPTION
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DATE: MAY 2025

SHEET TITLE:

ELECTRICAL PLAN

E3.1

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