

LIBERTY ELEMENTARY SCHOOL
2020 RENOVATION AND REPAIR PROJECT
2345 LIBERTY ST. SW, ALBANY, OR 97321
REPIE AND REMODEL

PROJECT TEAM

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email: ken@hmkco.com

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695 COMMERCIAL ST. SE, SUITE 5
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CONTACT:
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DANNY MATISKAINEN
PHONE: 503-371-1140
FAX: 503-364-6751
email: john@andersonshirley.com
email: danny@andersonshirley.com

MECHANICAL/ELECTRICAL: MFIA, INC. CONSULTING ENGINEERS
2007 SE ASH ST.
PORTLAND, OR 97214
CONTACT:
JIM TORMEY
PHONE: 503-234-0548
email: james.tormey@mfia-eng.com

STRUCTURAL: MSC ENGINEERS, INC.
3470 PIPEBEND PL. NE #120
SALEM, OR 97301
CONTACT:
CAM CARROLL
email: camc@mscengineers.com

DRAWING INDEX

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MECHANICAL:

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ELECTRICAL:

- E1.1 ELECTRICAL PLAN

PROJECT SCOPE

- 1. REPLACE EXISTING DOMESTIC WATER PIPES
- 2. UPGRADE SELECTED RESTROOMS TO MEET ADA
- 3. REMODEL EXISTING SIDE ENTRY

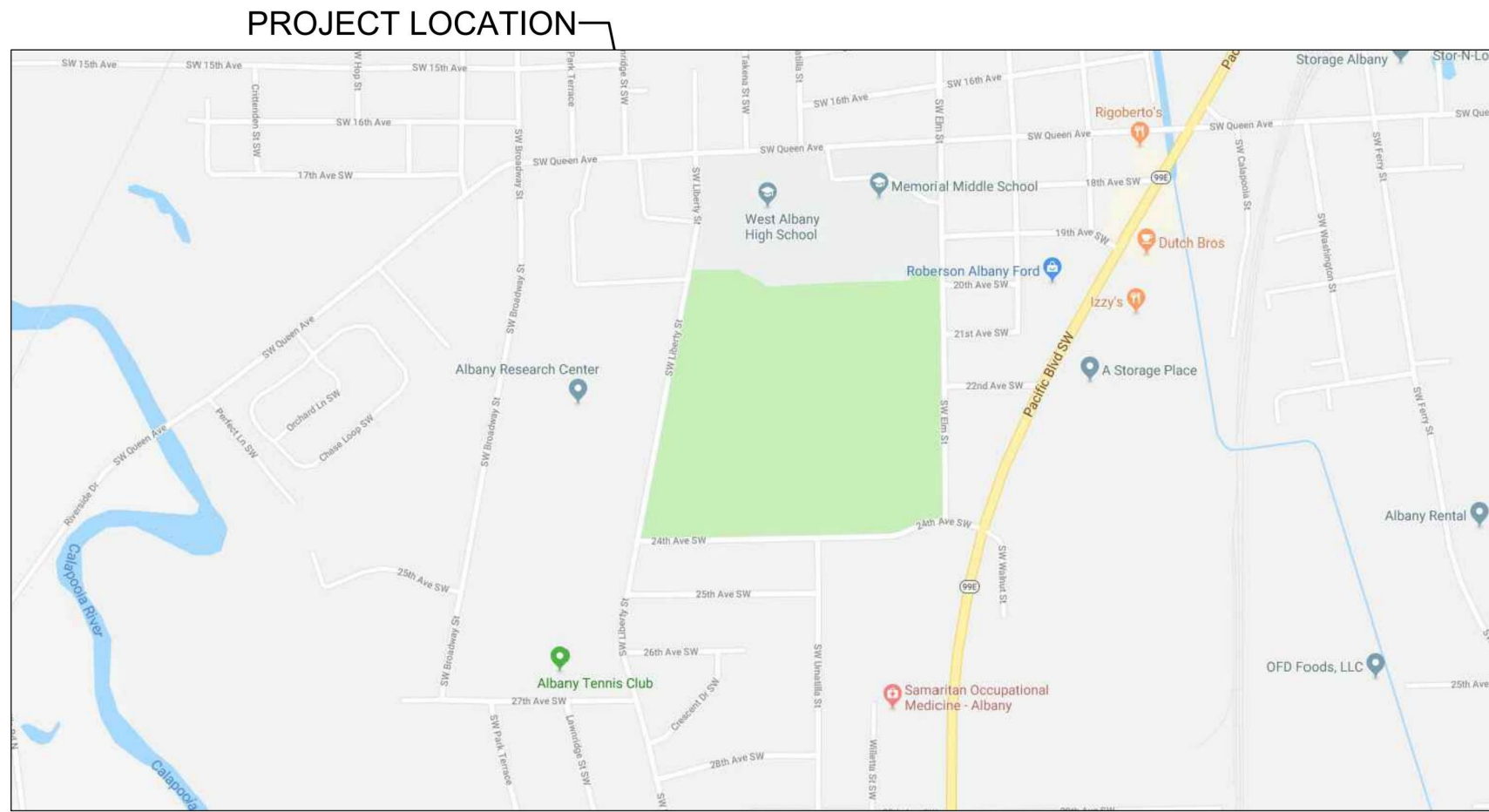
GENERAL NOTES

ALL QUANTITIES ARE FOR INFORMATION ONLY. CONTRACTOR TO VERIFY ALL QUANTITIES.

GENERAL CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITION AND DIMENSIONS.

ALL CONSTRUCTION / DEMOLITION MATERIAL TO BE CLEANED UP DAILY.

ALL CONTENTS (FURNITURE) WITHIN THE AREA OF CONSTRUCTION TO BE PROTECTED FROM DAMAGE AND/OR REMOVED BY GENERAL CONTRACTOR.



VICINITY MAP

NOT TO SCALE

CODE SUMMARY

STATE OF OREGON STRUCTURAL SPECIALTY CODE
2010 EDITION OF THE 2009 INTERNATIONAL BUILDING CODE

OCCUPANCY GROUP: E
CONSTRUCTION TYPE: V-B
SPRINKLERS: NO

ALLOWABLE AREA: 9,500 S.F.

ACTUAL AREA: (SEE FLOOR PLAN ON SHEET A1.1)

AREA A: 30,021 S.F. (NO CHANGE IN AREA)
AREA B: 8,248 S.F. + 250 S.F. ENTRY PORCH = 8,498 S.F.
PORTABLE CLASSROOMS: 1,680 S.F. + 1,680 S.F. = 3,360 S.F.

REQUIRED EXITS: NO CHANGE IN EXITING OR OCCUPANT LOAD

PLUMBING FIXTURES: NO CHANGE IN FIXTURE COUNT

REQUIRED RATINGS: EXISTING 2-HOUR FIRE DOOR TO REMAIN



SITE AERIAL

NOT TO SCALE

DRAWING SYMBOLS		(NOT ALL SYMBOLS MAY BE USED IN THIS PROJECT)	
	DRAWING TITLE SCALE		DETAIL NUMBER SHEET NUMBER WALL / BLDG. SECTION
	STRUCTURAL GRID LINE		ELEVATION NUMBER SHEET NUMBER INTERIOR ELEVATIONS
	DOOR NUMBER		DETAIL NUMBER SHEET NUMBER DETAIL REFERENCE
	ROOM NAME / NUMBER		NORTH ARROW
	NEW DOOR		WINDOW TYPE
	EXISTING DOOR		GLASS TYPE
	EXISTING DOOR TO BE REMOVED		WALL TYPE
			1-HR. RATED WALL

ABBREVIATIONS			
SF DIA. @ & CL. PL. +/-	SQUARE FEET DIAMETER AT AND CENTER LINE PLATE PLUS/MINUS	CORR. CLG. CPT.	CORRIDOR CEILING CARPET
A.B. A.C. ACOUS. ACT. A.D. ADJ. A.F.F. AGGR. ALUM. ALT. APPROX. ARCH.	ANCHOR BOLT ASPHALTIC CONCRETE ACOUSTICAL ACOUSTICAL CEILING TILE AREA DRAIN ADJUSTABLE ABOVE FINISHED FLOOR AGGREGATE ALUMINUM ALTERNATE APPROXIMATE ARCHITECT	DBL. D.F. DIM. DN. DWR. D.S.	DOUBLE DRINKING FOUNTAIN DIMENSION DOWN DRAWER DOWNSPOUT
BRD. BLDG. BLK. BLKG. B.O. BM. BRG.	BOARD BUILDING BLOCK BLOCKING BOTTOM OF ... BEAM BEARING	(E) EA. E.I.F.S. EL. ELEC. ELEV. E.P. EQ. EQUIP. E.W. E.W.C. EXIST. EXT.	EXISTING EACH EXTERIOR INSULATION & FINISH SYSTEM ELEVATION ELECTRICAL ELEVATION OR ELEVATOR ELECTRICAL PANEL EQUAL EQUIPMENT EACH WAY ELECTRICAL WATER COOLER EXISTING EXTERIOR
C CAB. C.B. CER. C.I. C.M.U. C.O. COL. CONC. CONSTR. CONT.	CLOCK CABINET CATCH BASIN CERAMIC CONTRACTOR INSTALLED CONCRETE MASONRY UNIT CLEANOUT COLUMN CONCRETE CONSTRUCTION CONTINUOUS	F.D. F.E.C. F.H.Y. F.H.C. FIN. FLASH. FLUOR. FLR. F.O.C. F.O.F. F.O.M. F.O.S. F.R.P. FRT	FLOOR DRAIN FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FIRE HYDRANT FIRE HOSE CABINET FINISH/FINISHED FLASHING FLUORESCENT FLOOR FACE OF CONCRETE FACE OF FINISH FACE OF MASONRY FACE OF STUD FIBERGLASS REINFORCED PLASTIC FIRE RETARDANT TREATED
F.S. FT. FURR. FTG.	FLOOR SINK FOOT/FEET FURRING FOOTING	I.D. INSUL. INT. INV. IRRIG. I	INSIDE DIAMETER/DIMENSION INSULATION INTERIOR INVERT IRRIGATION INTERCOM SYSTEM STAFF PHONE
JAN. KIT.	JANITOR KITCHEN	LAV. LANDSC. LAM. LLH. LLV.	LAVATORY LANDSCAPING LAMINATED LONG LEG HORIZONTAL LONG LEG VERTICAL
MAG. MAX. M.B. MECH. MFR. MTL. MIN. MISC. M.O. M.S. MT. M.R.	MAGNETIC MAXIMUM MARKER BOARD MECHANICAL MANUFACTURER METAL MINIMUM MISCELLANEOUS MASONRY OPENING MOP SINK MOUNT MAP RAIL	N.I.C. NO. NOM. N.T.S. N.D.	NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE SANITARY NAPKIN DISPOSAL
OCC. O.C. O.D. O.F. OFF. O.I. OPP. O.S.	OCCUPANT(S) ON CENTER OVERFLOW DRAIN OWNER FURNISHED OFFICE OWNER INSTALLED OPPOSITE OCCUPANCY SENSOR	P.LAM. PLAS. P.S. PLYWD. P.T.D. PREFIN. P.T.	PLASTIC LAMINATE PLASTER PROJECTION SCREEN PLYWOOD PAPER TOWEL DISPENSER PREFINISHED PRESSURE TREATED
RAD. R.D. REQ'D.	RADIUS ROOF DRAIN REQUIRED	RM. R.O.	ROOM ROUGH OPENING
S SD. S.C.D. SHR. SHT. SHTHG. S.N. SIM. ST. STL. STD. STL. STOR. SUSP. SYS.	INTERCOM SYSTEM SPEAKER SOAP DISPENSER OR SMOKE DETECTOR SEAT COVER DISPENSER SHOWER SHEET SHEATHING SANITARY NAPKIN DISPENSER SIMILAR STAINLESS STEEL STANDARD STEEL STORAGE SUSPENDED SYSTEM	T.B. T.O. T.P.H. TV. TYP.	TACK BOARD TOP OF ... (SEE B.O.) TOILET PAPER HOLDER TELEVISION TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED	V VAT VCT VERT. VEST.	VISUAL STROBE VINYL ASBESTOS TILE VINYL COMPOSITION TILE VERTICAL VESTIBULE
W.F. WD. W.W.F. W/ W/O WDW.	WASH FOUNTAIN WOOD WELDED WIRE FABRIC WITH WITHOUT WINDOW		

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2019 Bond: Critical Facilities Upgrades
REPIE AND REMODEL

LIBERTY ELEMENTARY SCHOOL

ALBANY, OR 97321

SHEET TITLE

KEY PLAN

REVISIONS

CONSULTANTS

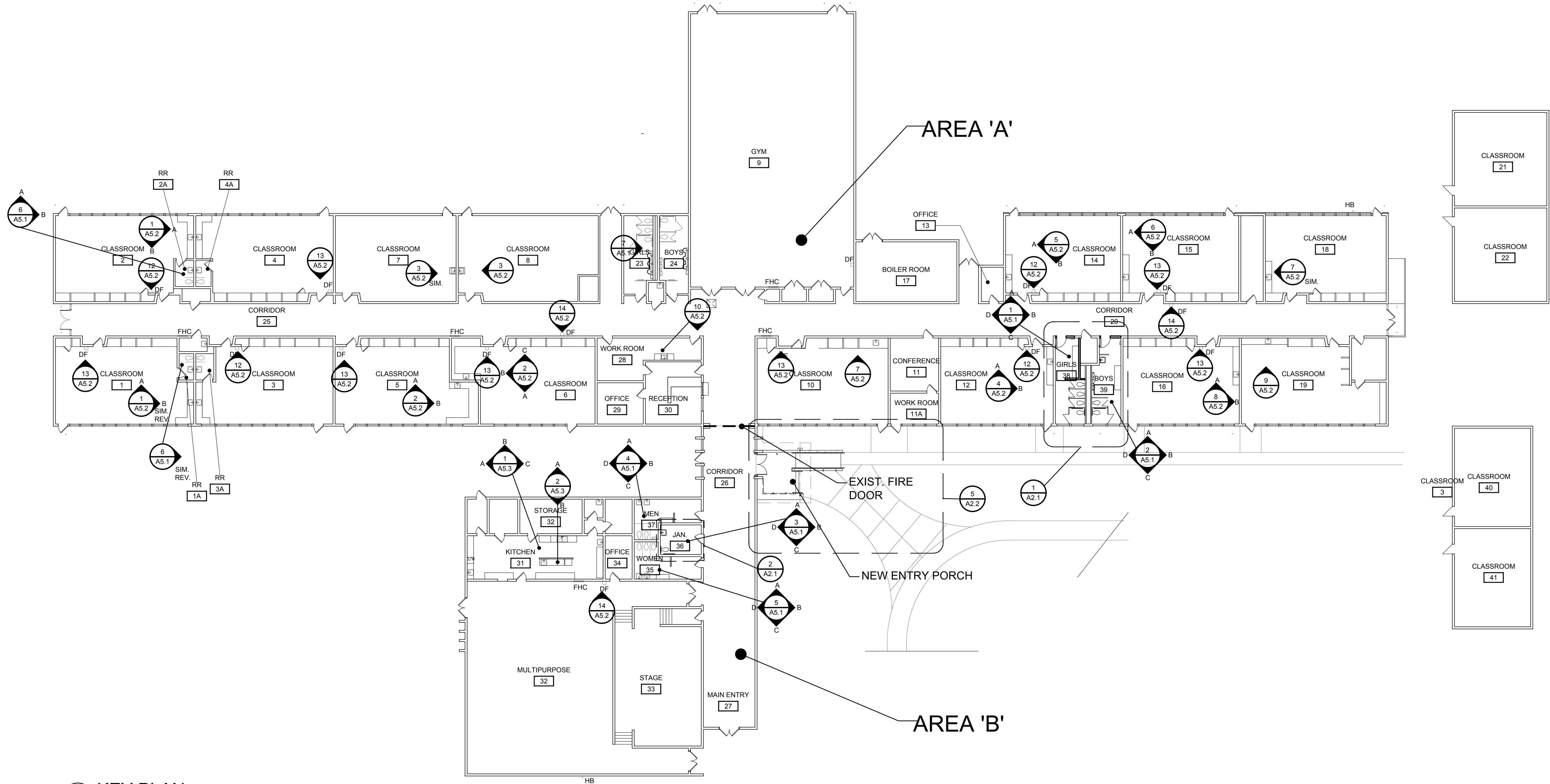
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ARCHITECTS INC.

DRAWN
DMM

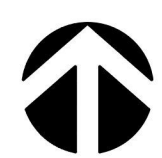
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9/10/19

SHEET
A0.0
1 of 9



1 KEY PLAN
A1.1 SCALE: 1/16" = 1'-0"



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2019 Bond: Critical Facilities Upgrades
REPIPE AND REMODEL

LIBERTY ELEMENTARY SCHOOL

SHEET TITLE
FLOOR PLAN

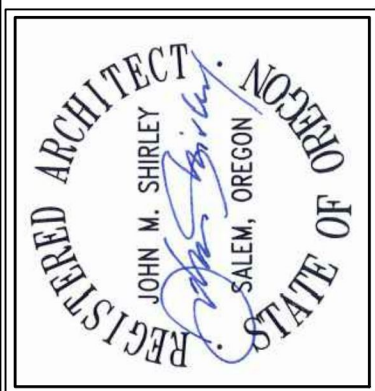
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JOB NO.	2 OF 9
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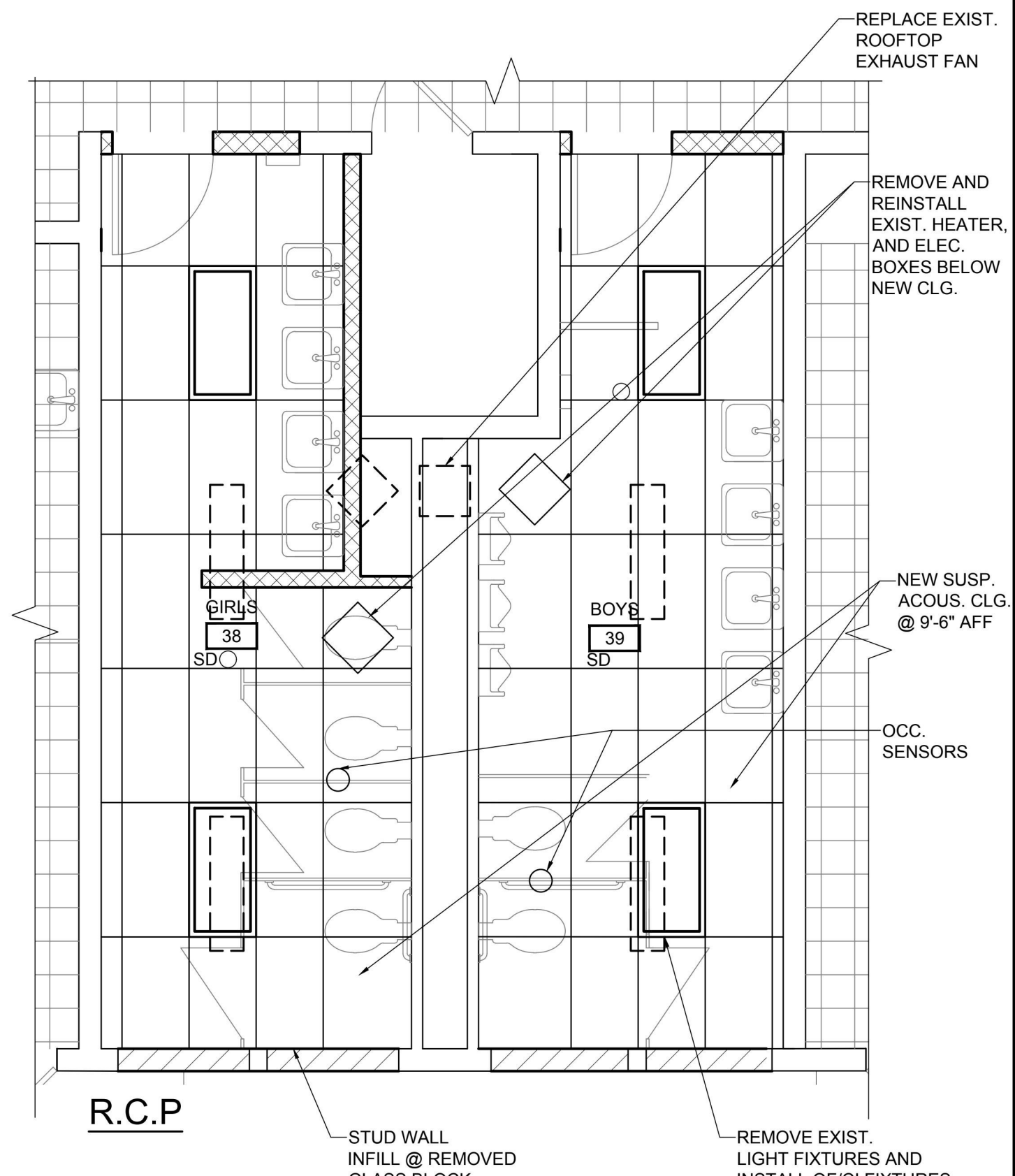
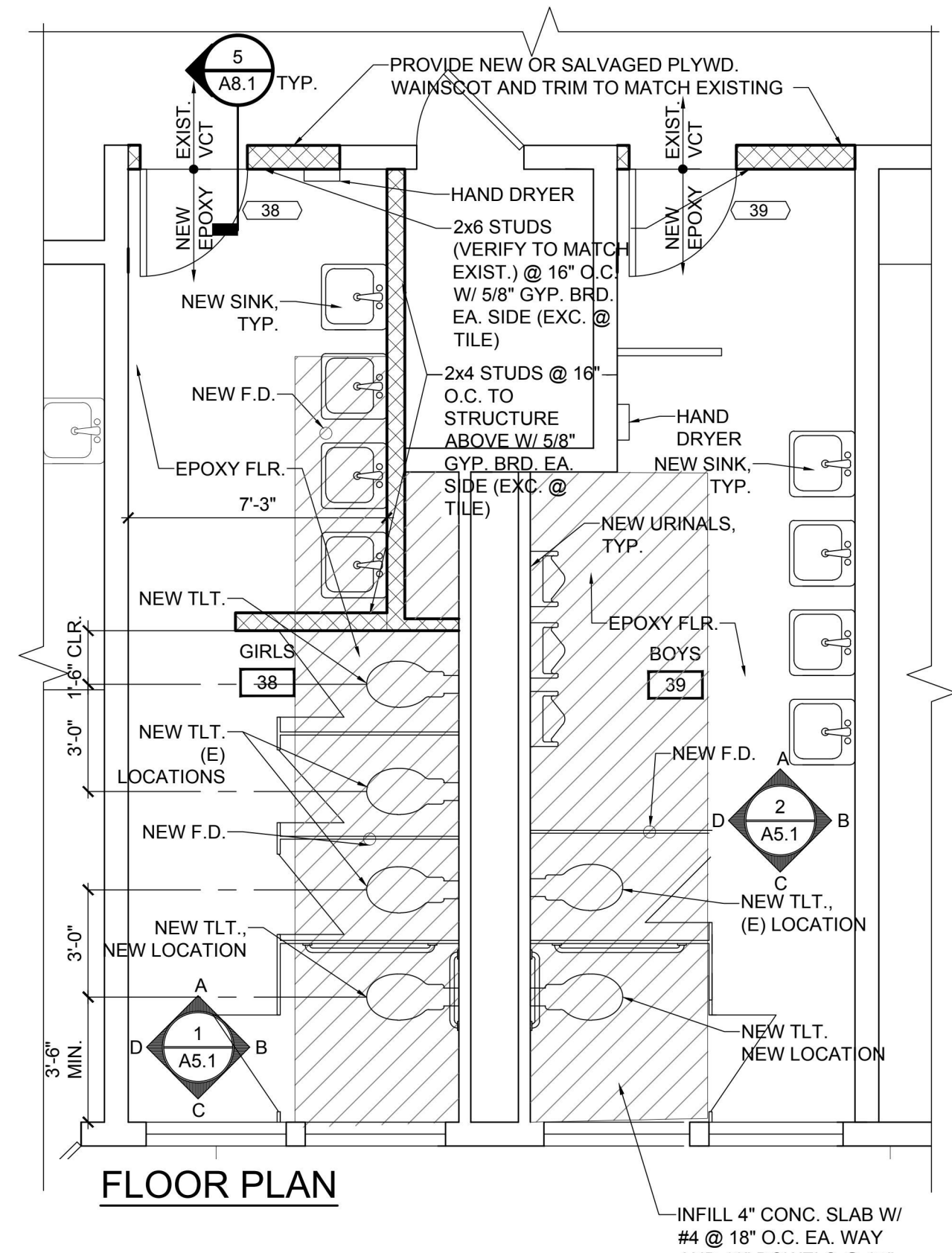
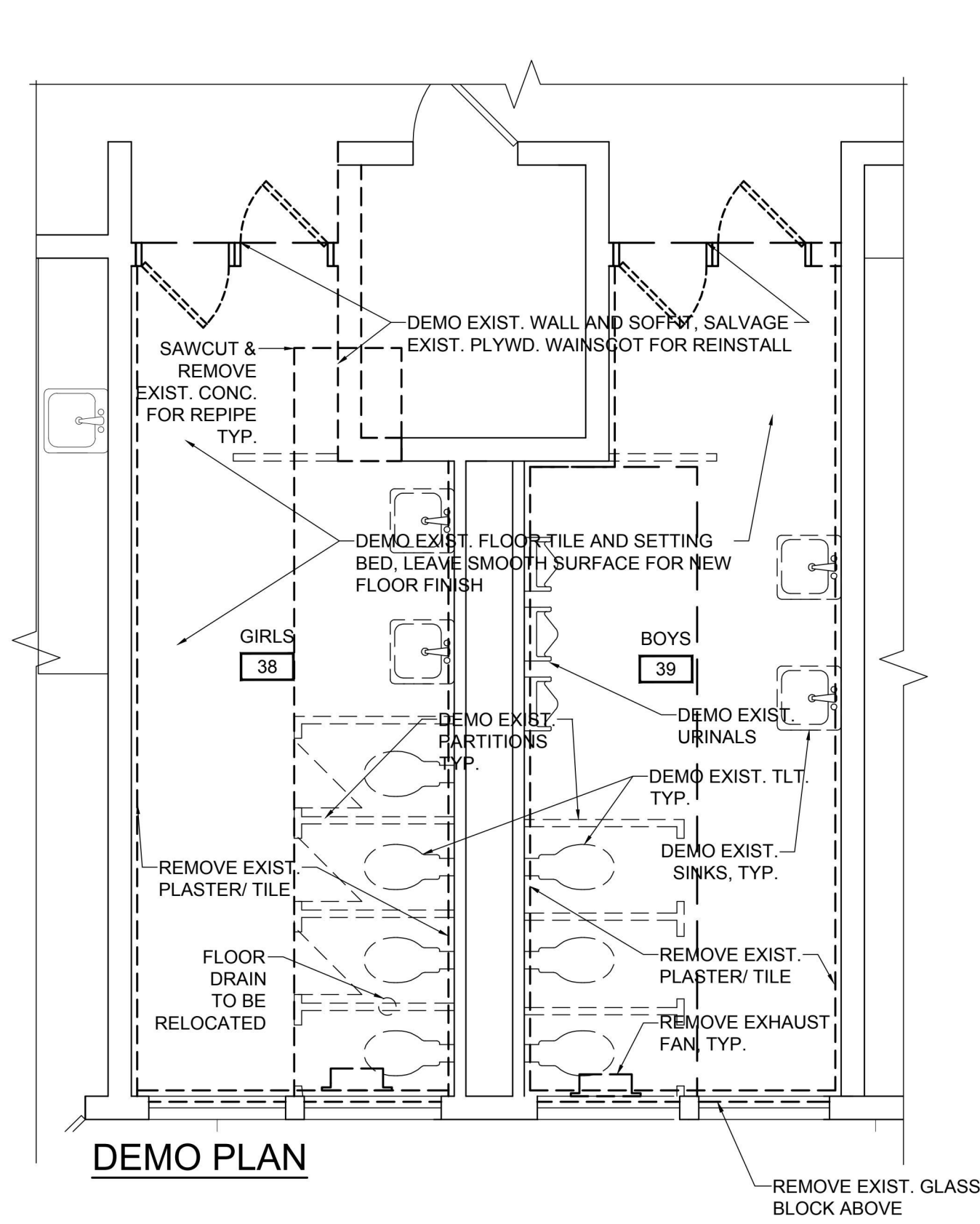


KEY PLAN

SHEET TITLE

ALBANY, OR 97321

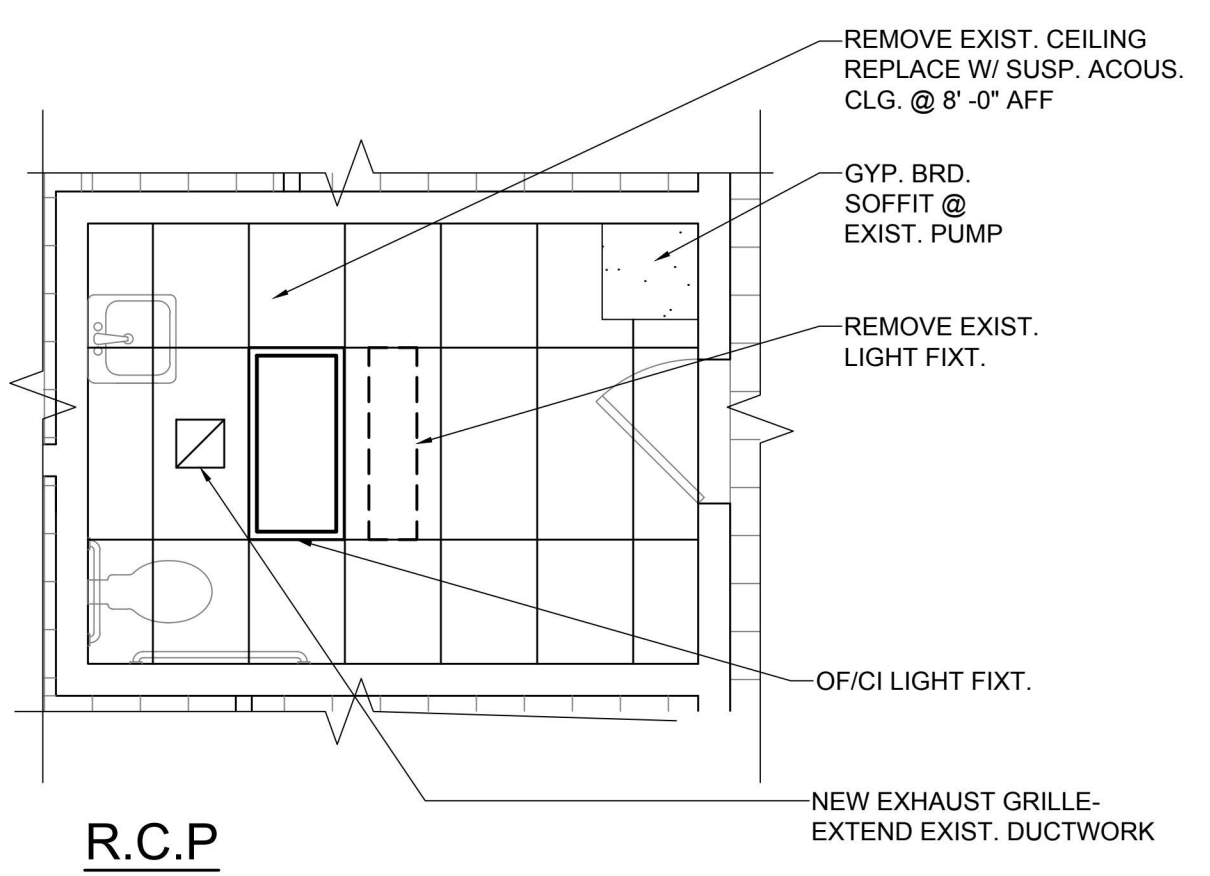
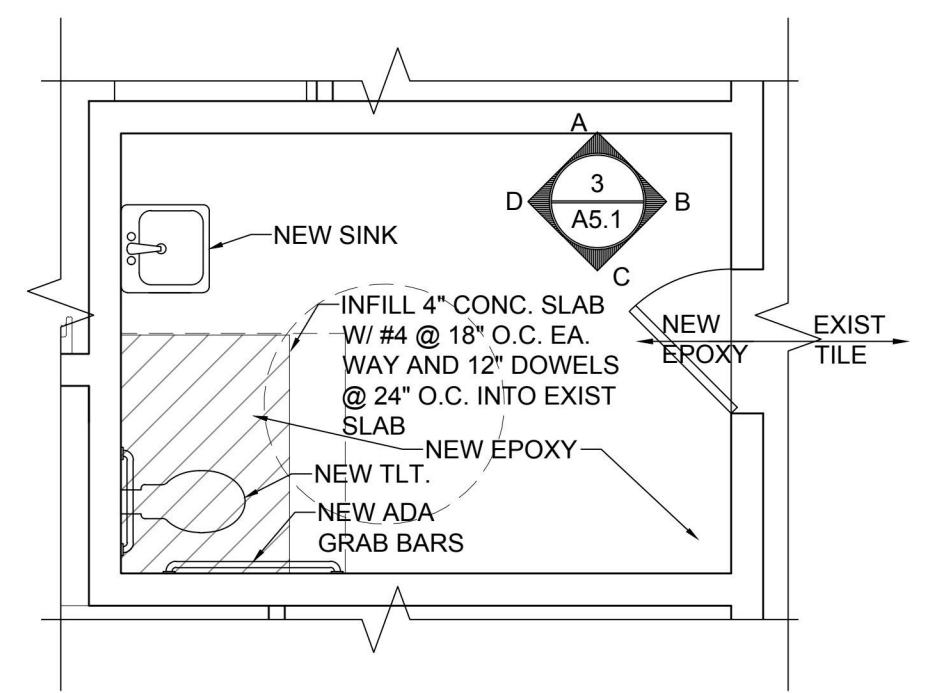
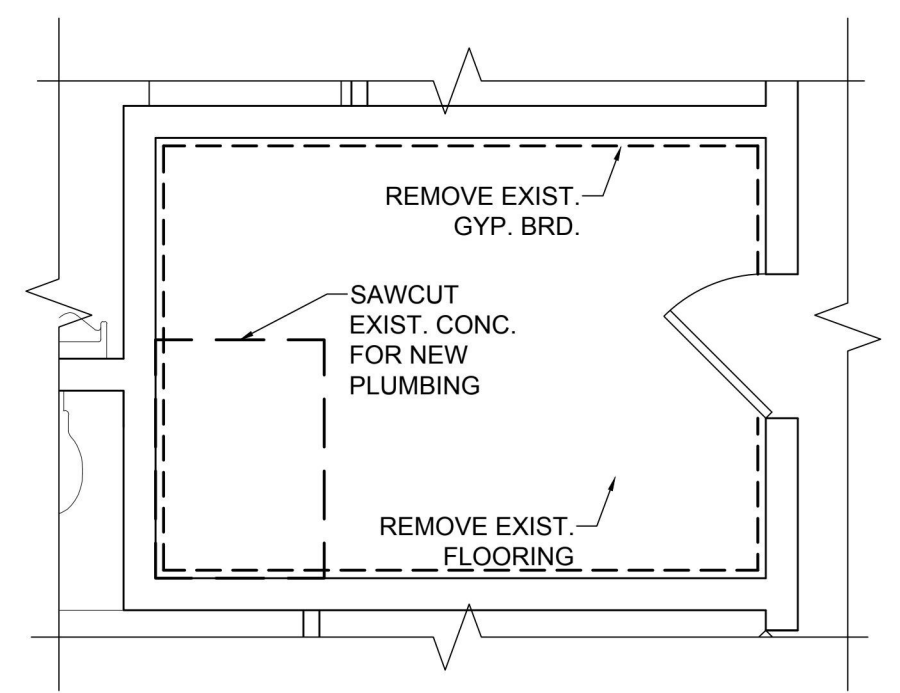
2345 LIBERTY ST. SW



1 GIRLS 38 & BOYS 39
A2.1 SCALE: 1/4" = 1'-0"

DOOR SCHEDULE									
DOOR MARK	DOOR SIZE	TYPE (NOTE 1)	CONSTRUCTION (2)	MATERIAL FINISH (3)	GLASS (4)	RATINGS	HARDWARE (5)	DETAILS A4.1	NOTES
26	(2) 3'-0" X 7'-0"	C	AL FF	-	-	-	1 1	1	-
38	3'-0" X 6'-8"	A	SC WT	-	-	-	2 9	-	-
39	3'-0" X 6'-8"	A	SC WT	-	-	-	2 9	-	-
-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

1. DOOR TYPES
2. Construction
SC - Solid Core
HM - Hollow Metal
AL - Aluminum & Glass
3. Material/Finish
WE - Wood Enamel
ME - Metal Enamel
WT - Wood Transparent Stain
4. Glass
TP - Tempered Plate
CW - Clear Wire
TI - Tempered Insulated
5. Number refers to hardware group of hardware schedule.



2 NEW RESTROOM
A2.1 SCALE: 1/4" = 1'-0"

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LIBERTY ELEMENTARY SCHOOL
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SHEET TITLE
FLOOR PLANS &
REFLECTED CEILING
PLAN

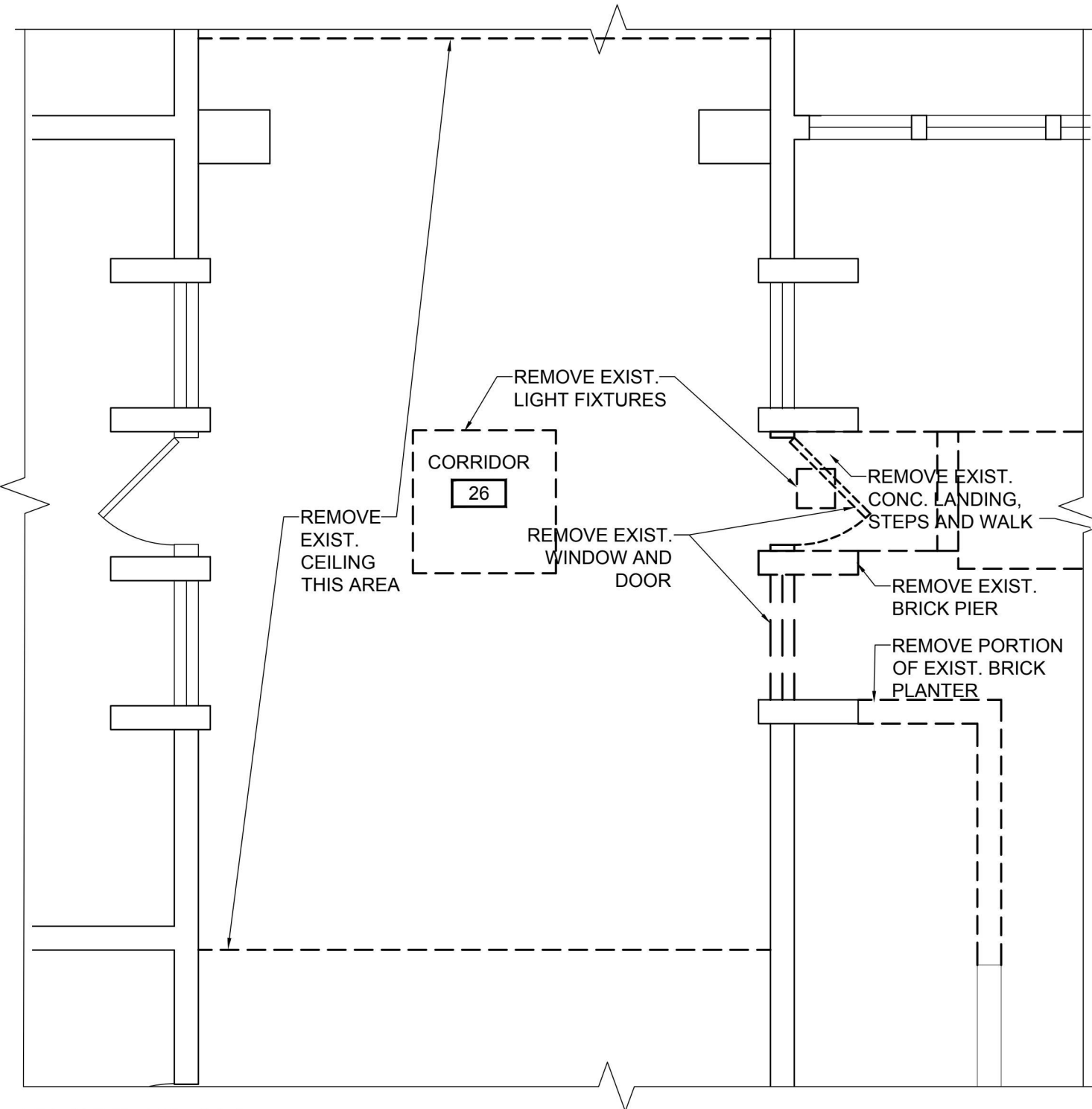
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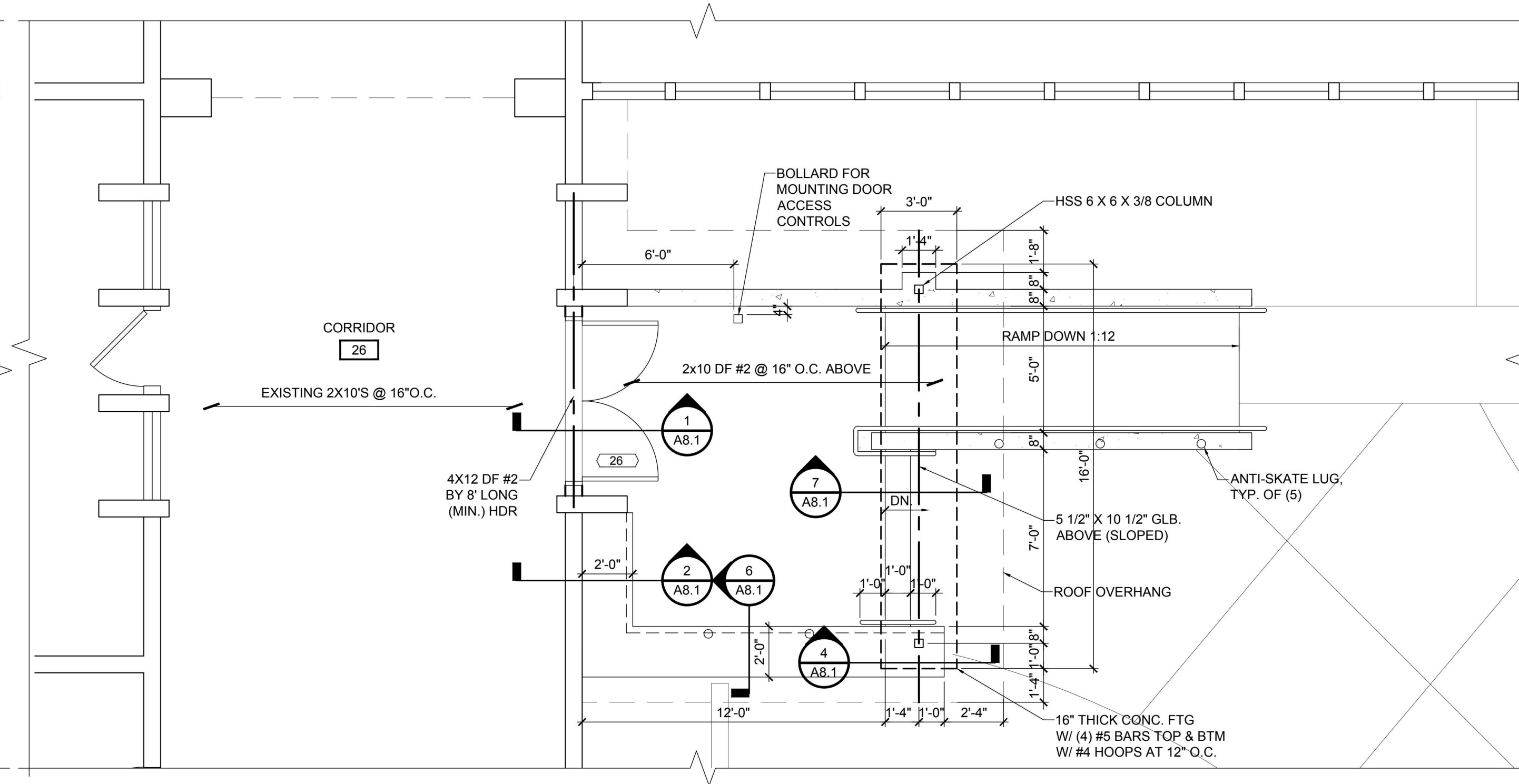
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SHEET
A2.1

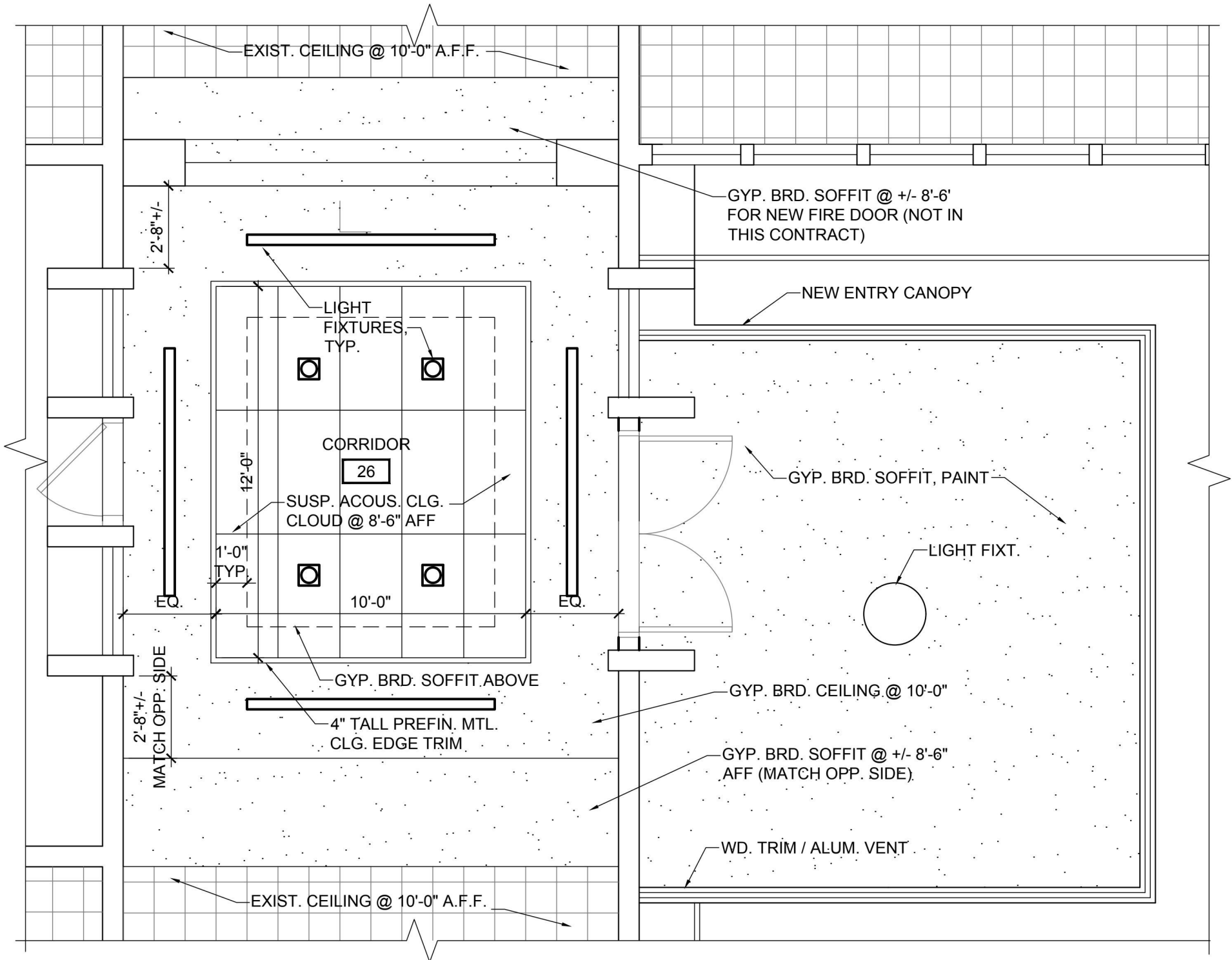
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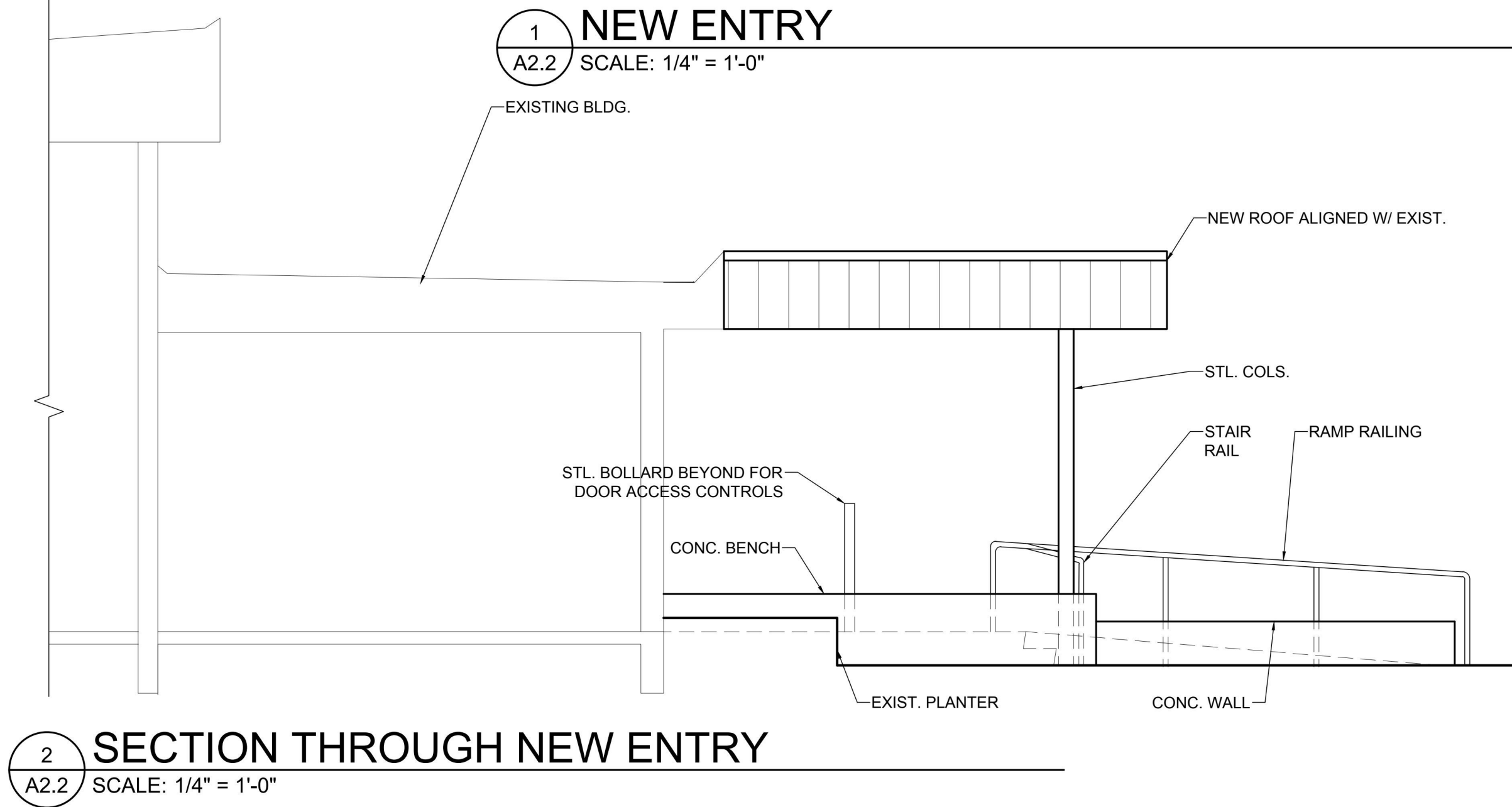
DEMO PLAN



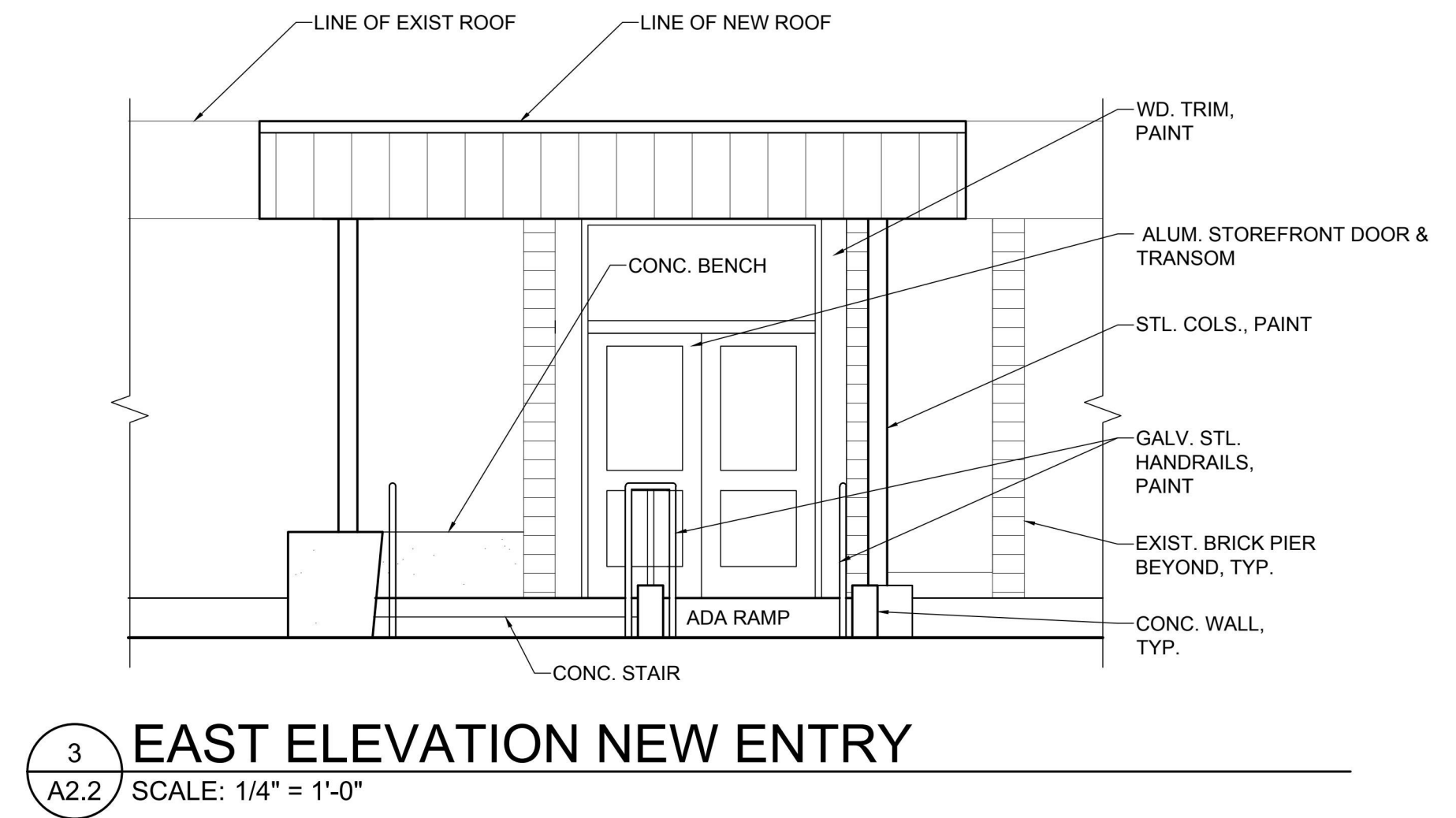
FLOOR PLAN



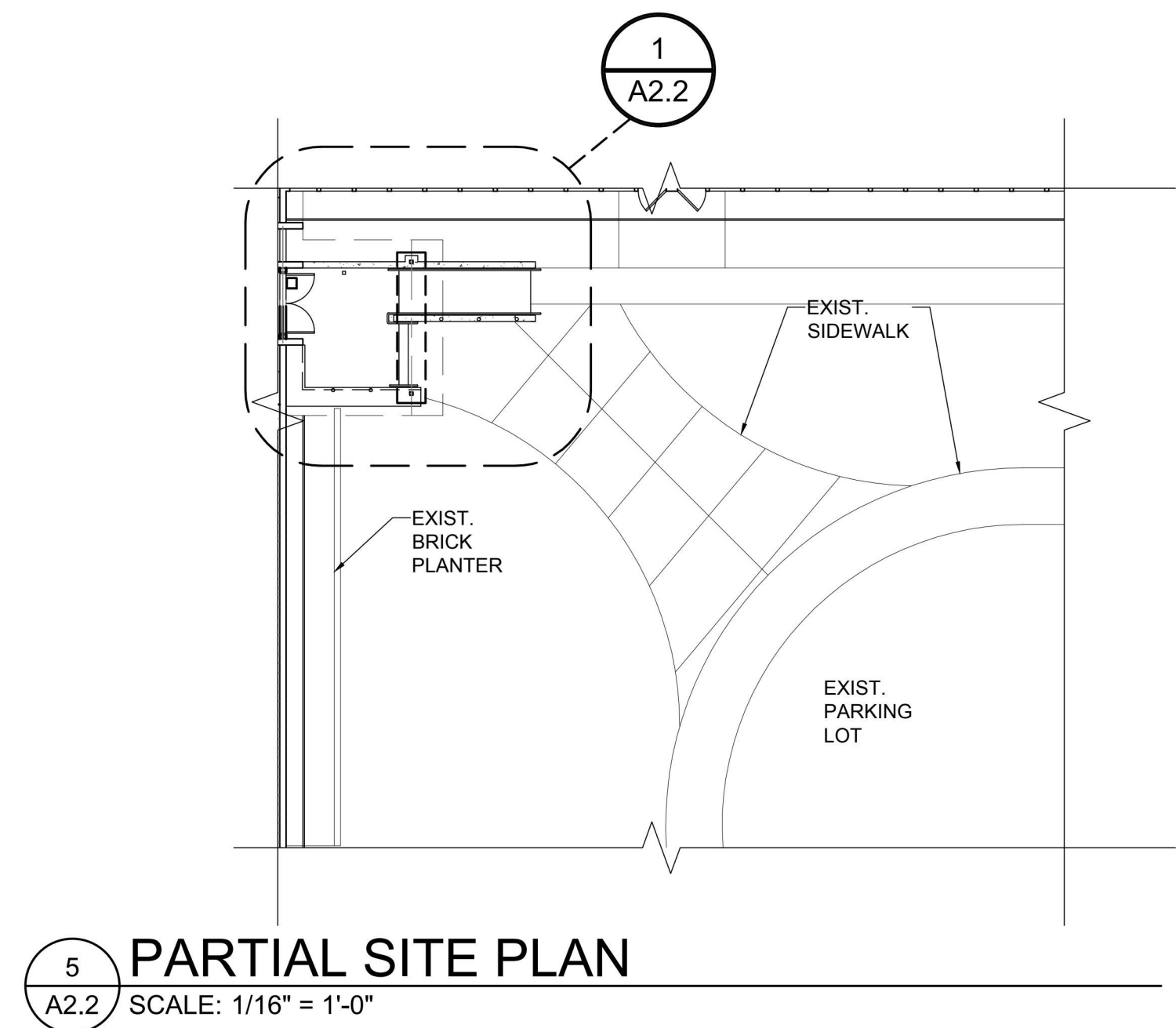
R.C.P



SECTION THROUGH NEW ENTRY
SCALE: 1/4" = 1'-0"



EAST ELEVATION NEW ENTRY
SCALE: 1/4" = 1'-0"



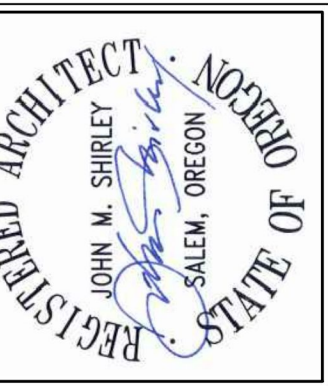
PARTIAL SITE PLAN
SCALE: 1/16" = 1'-0"

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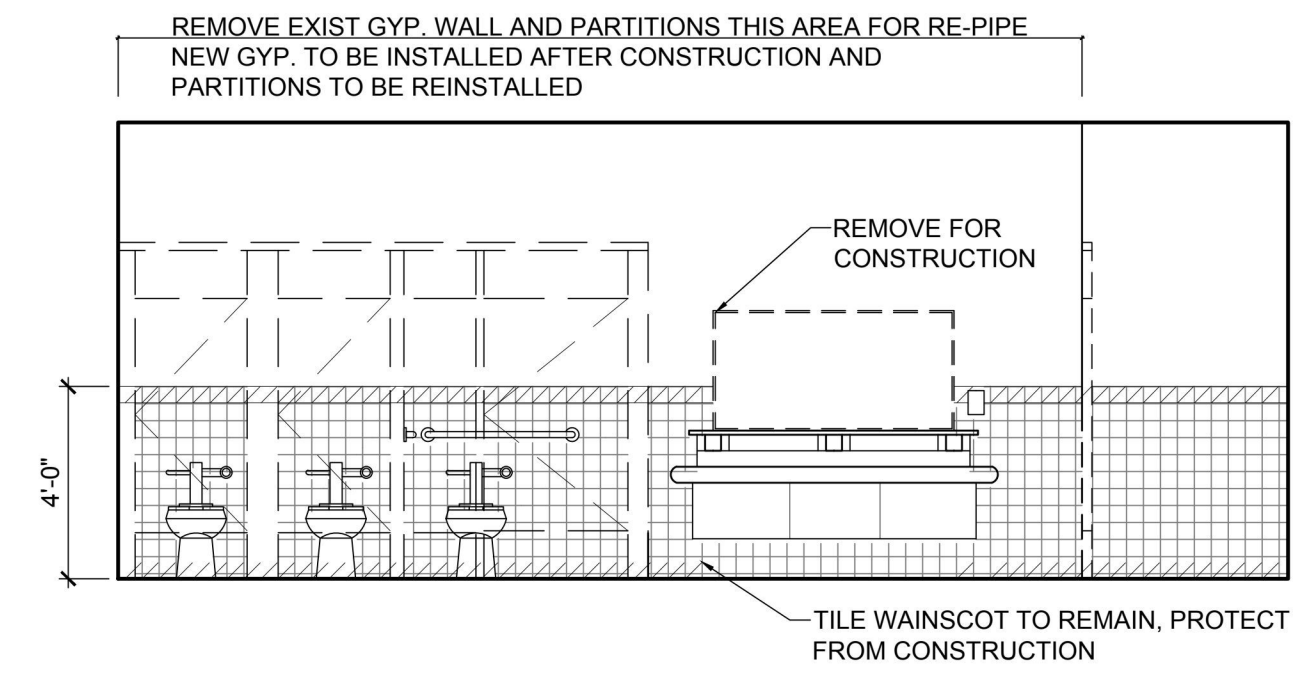
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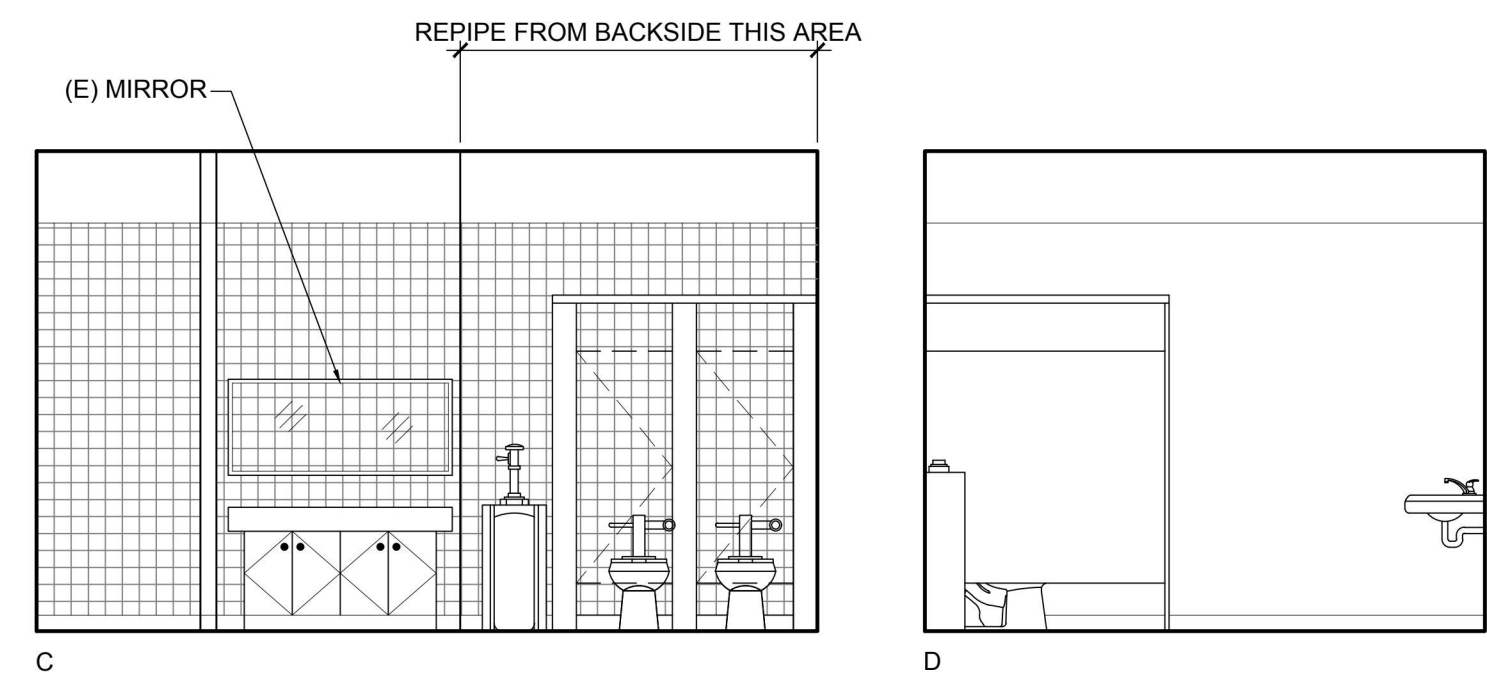
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FLOOR PLANS &
REFLECTED CEILING
PLAN

DRAWN KMJ	SHEET A2.2
JOB NO.	4 OF 9
DATE 9/10/19	

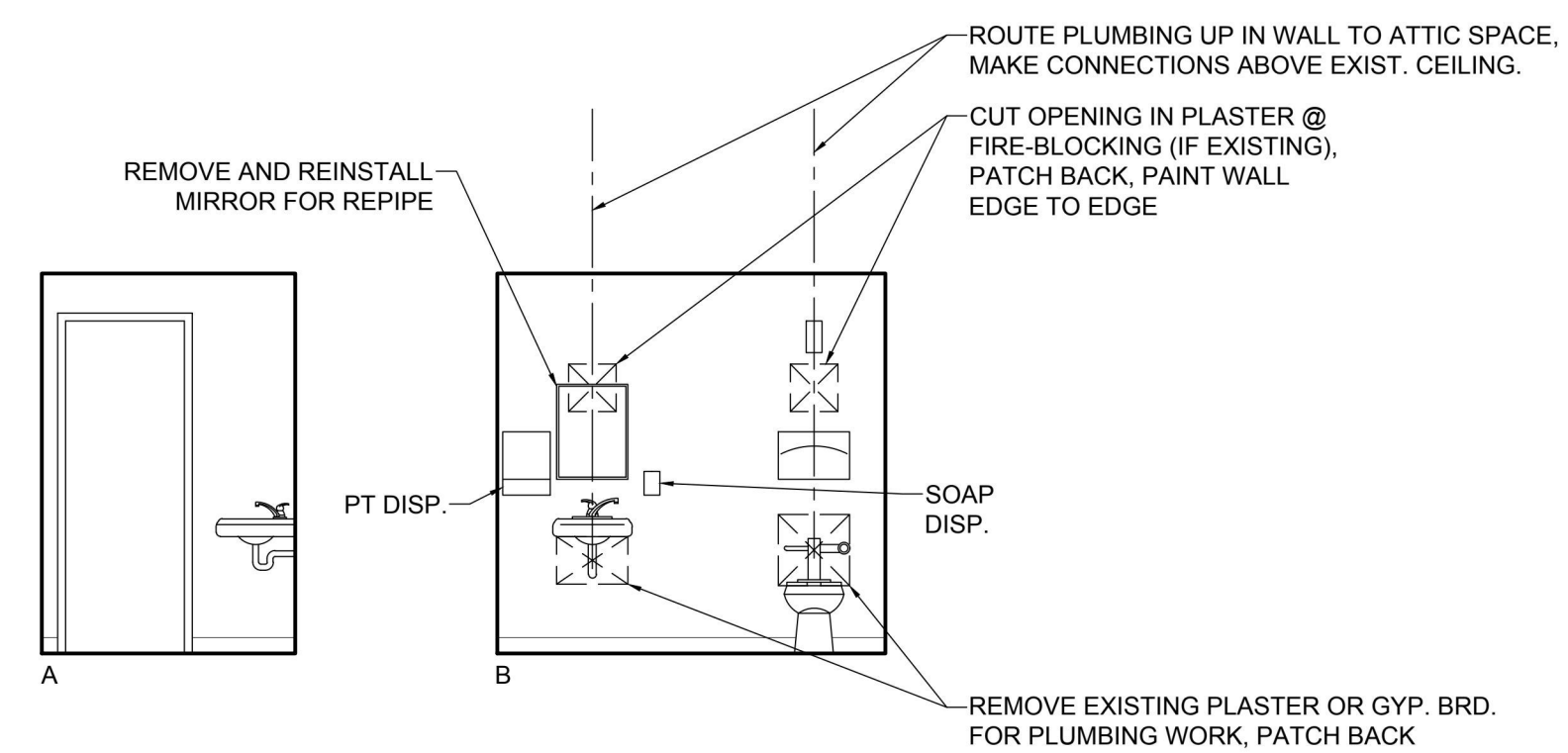
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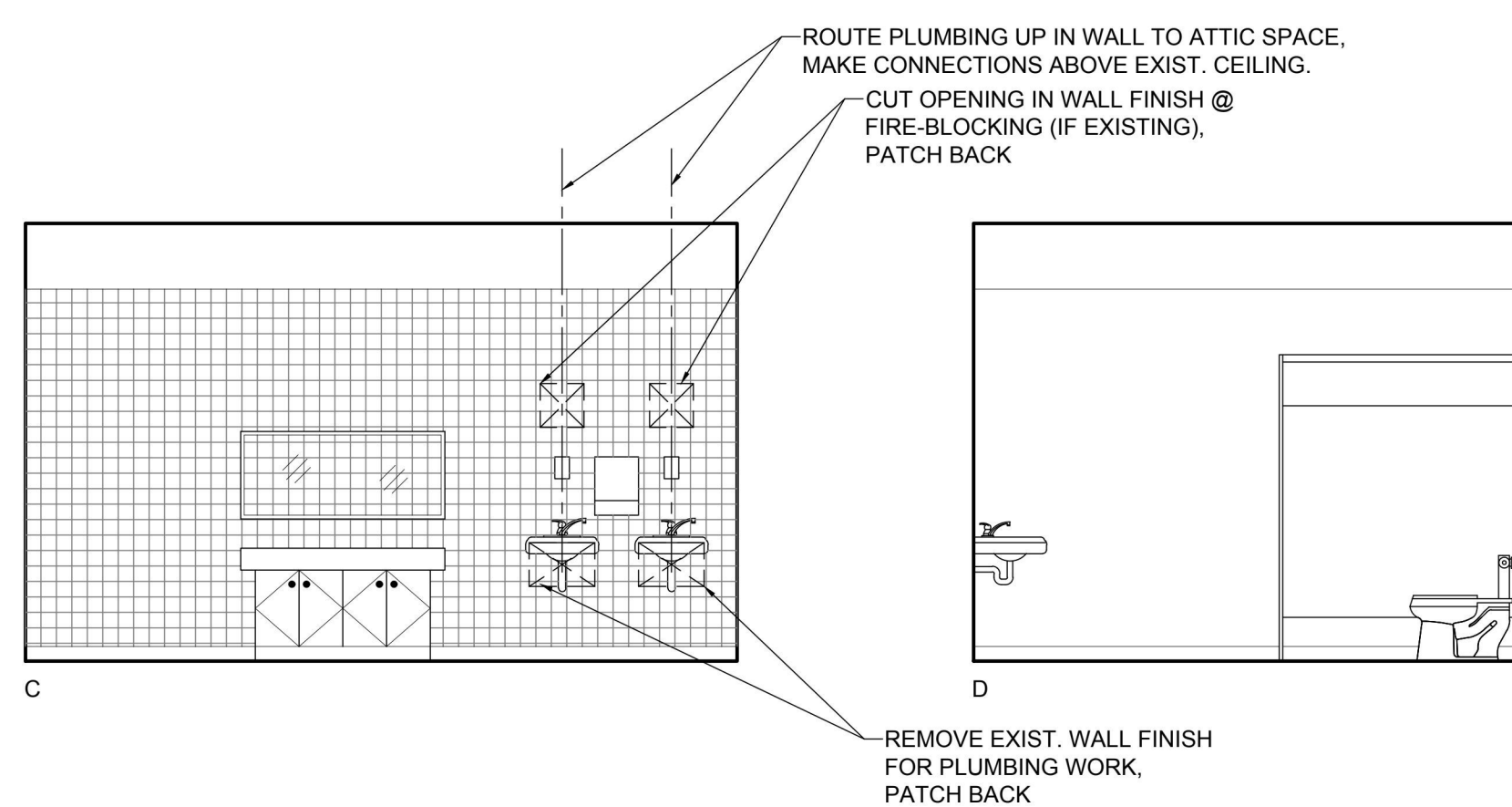
7 GIRLS 23
A5.1 SCALE: 1/4" = 1'-0"



4 MEN 37
A5.1 SCALE: 1/4" = 1'-0"



6 TOILET 2A (TOILET 1 A SIM. REV.)
A5.1 SCALE: 1/4" = 1'-0"

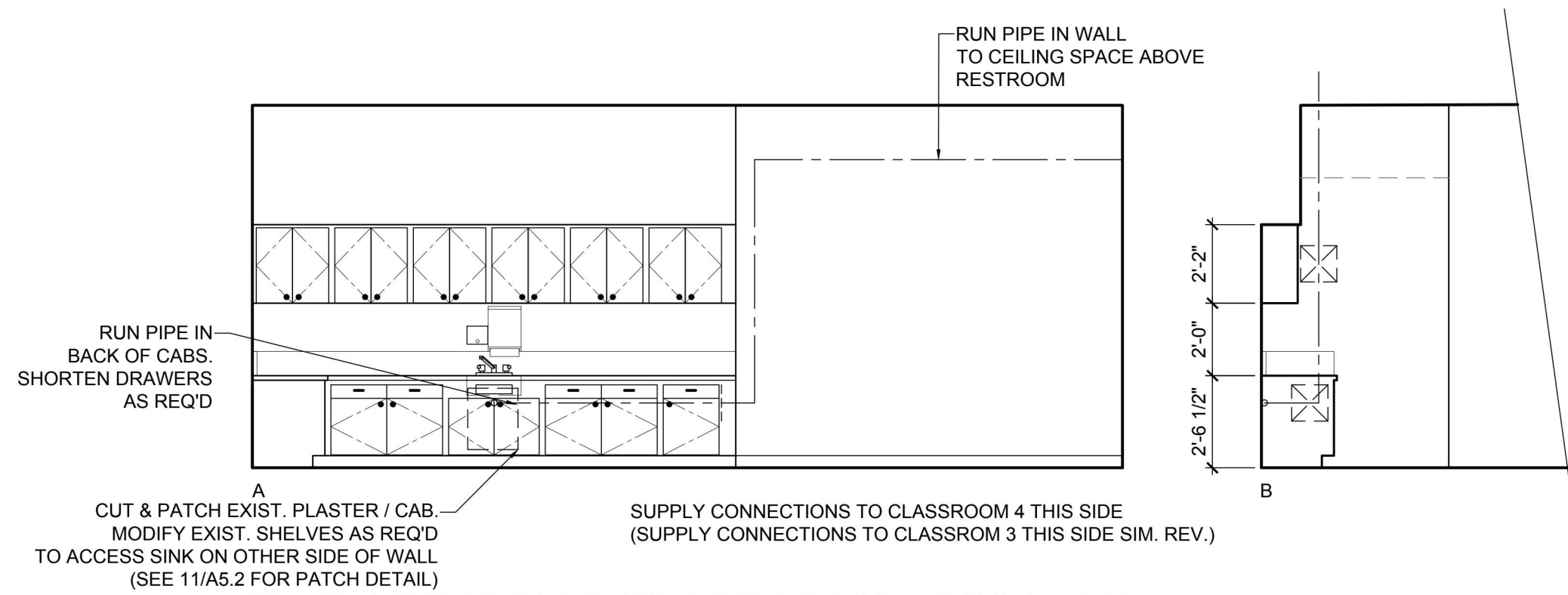


5 WOMEN 35
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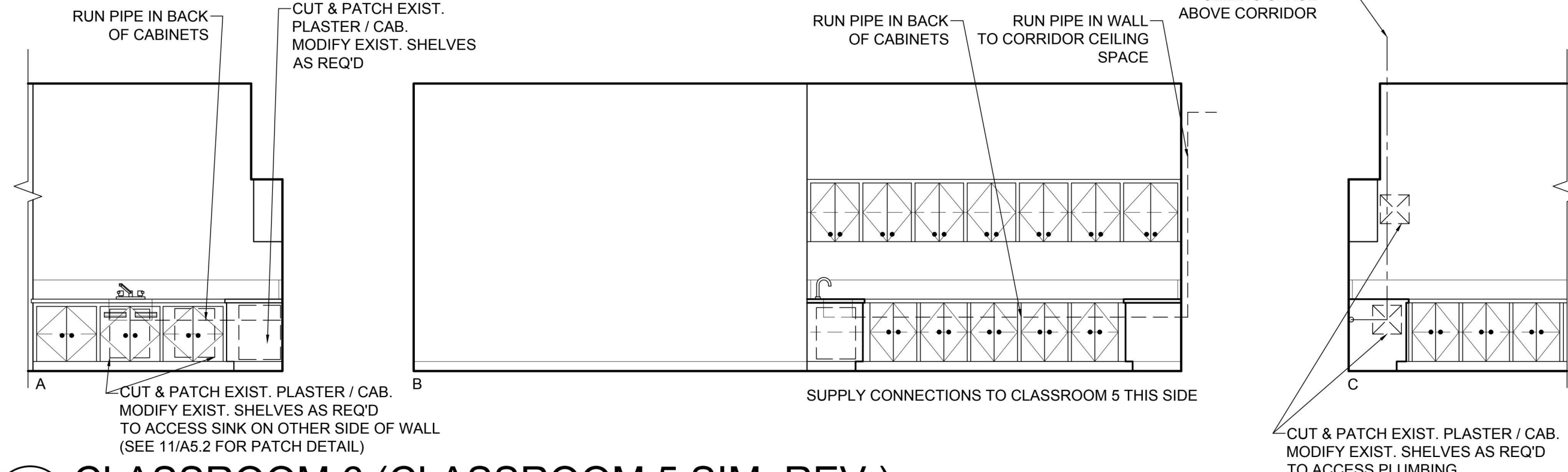
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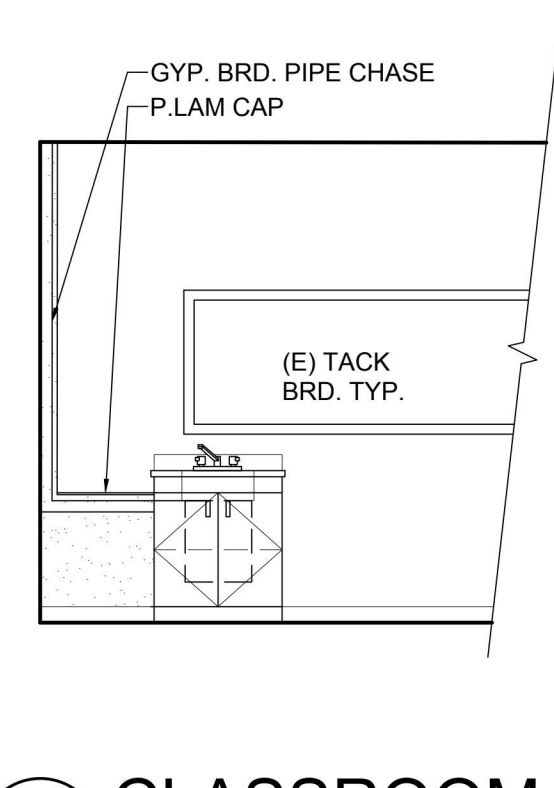
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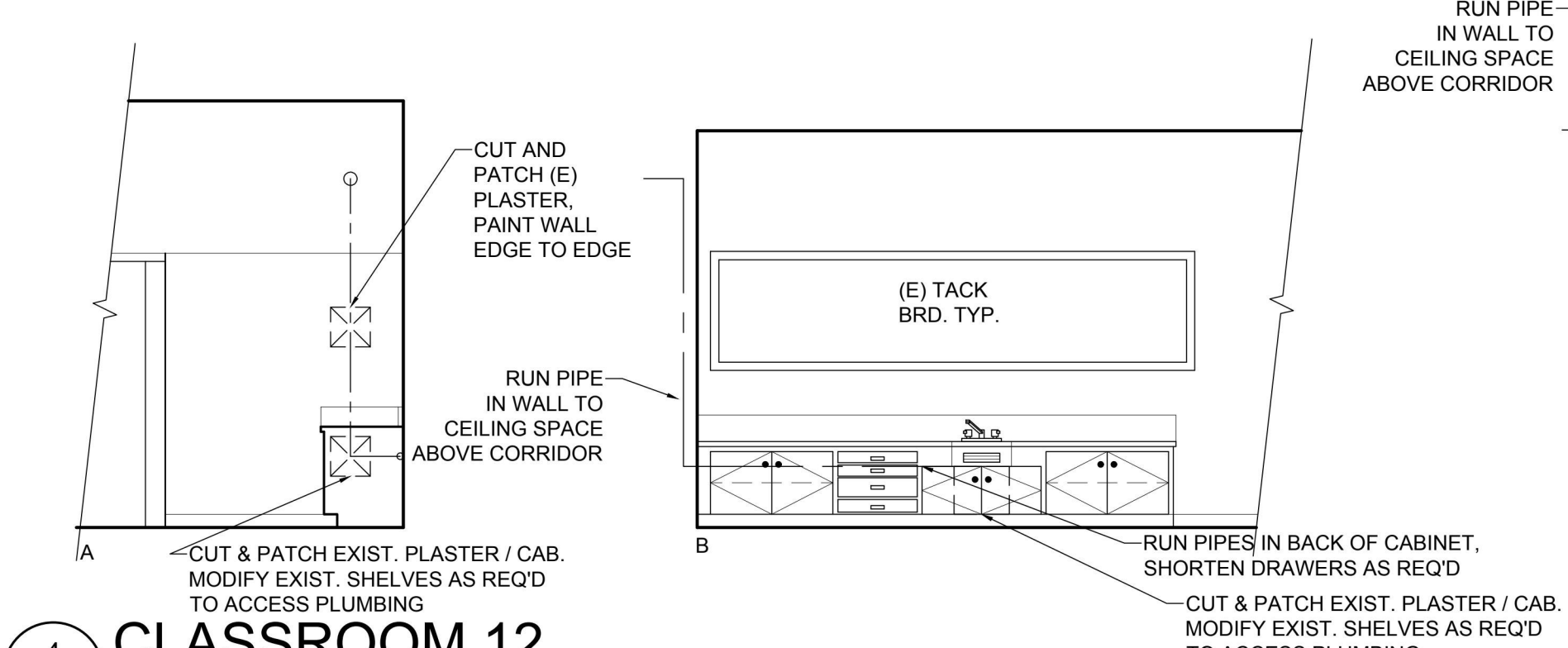
1 CLASSROOM 2 (CLASSROOM 1 SIM. REV.)
A5.2 SCALE: 1/4" = 1'-0"



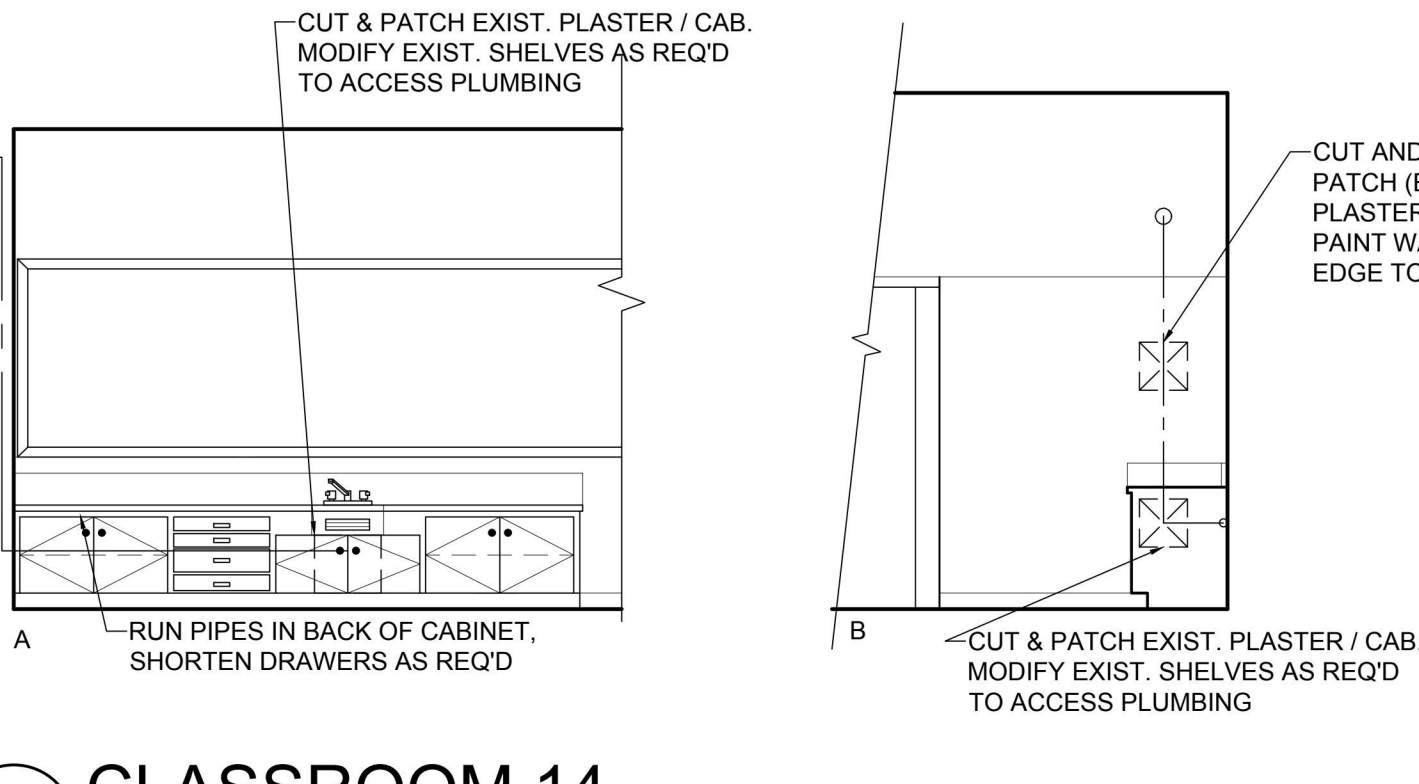
2 CLASSROOM 6 (CLASSROOM 5 SIM. REV.)
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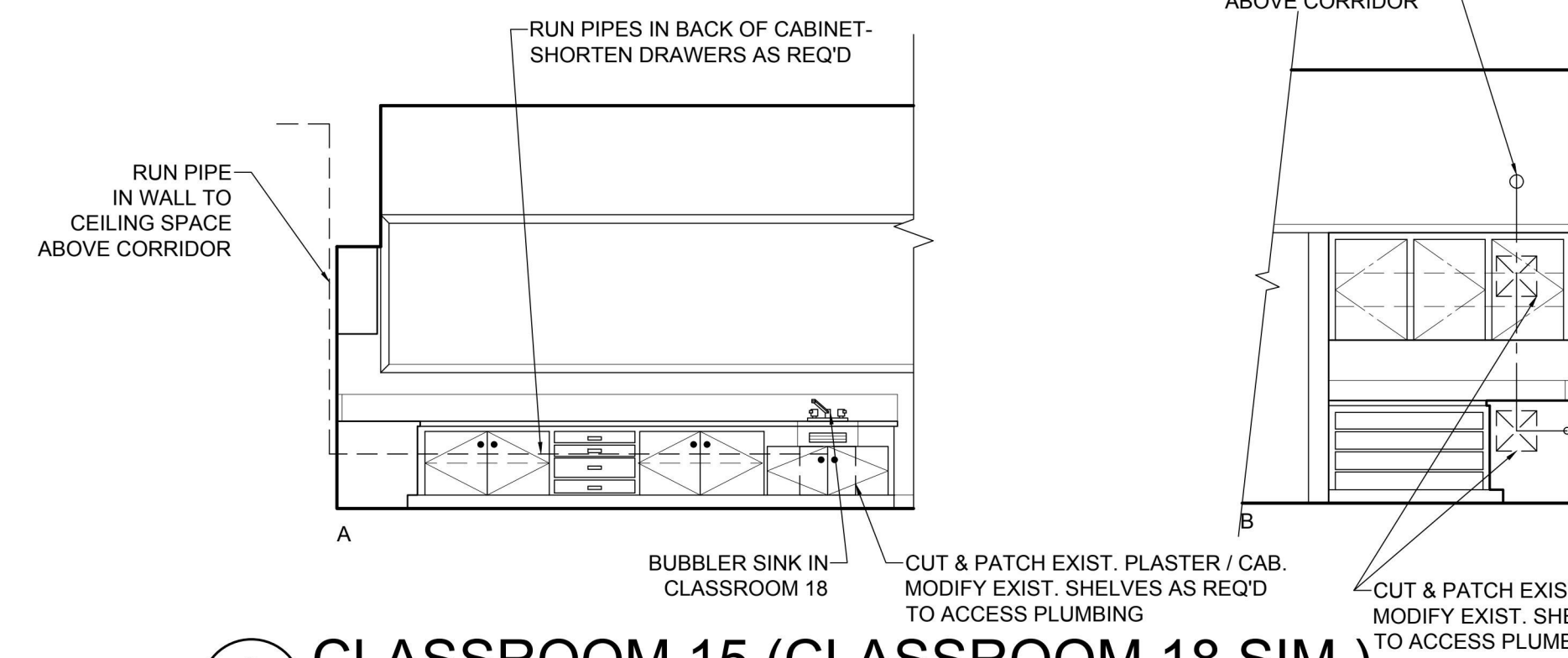
3 CLASSROOM 8 (7 SIM.)
A5.2 SCALE: 1/4" = 1'-0"



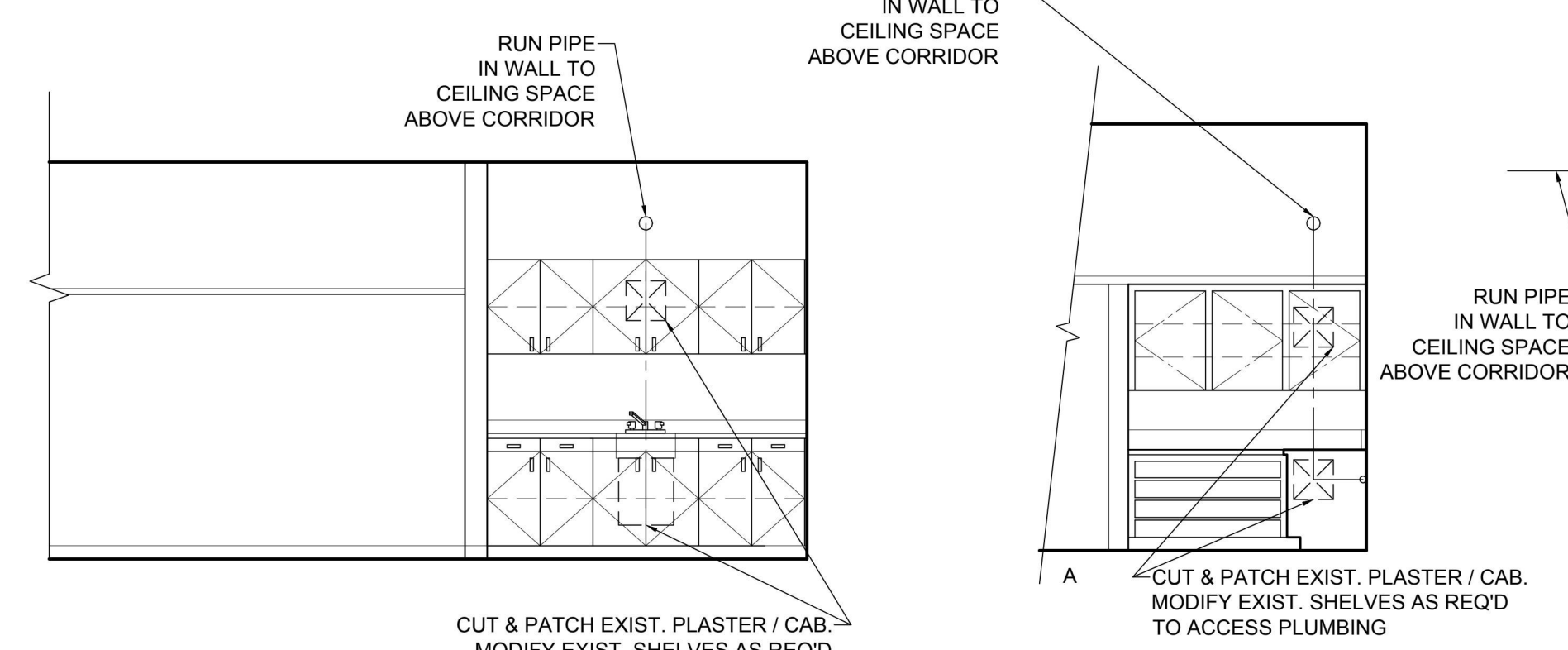
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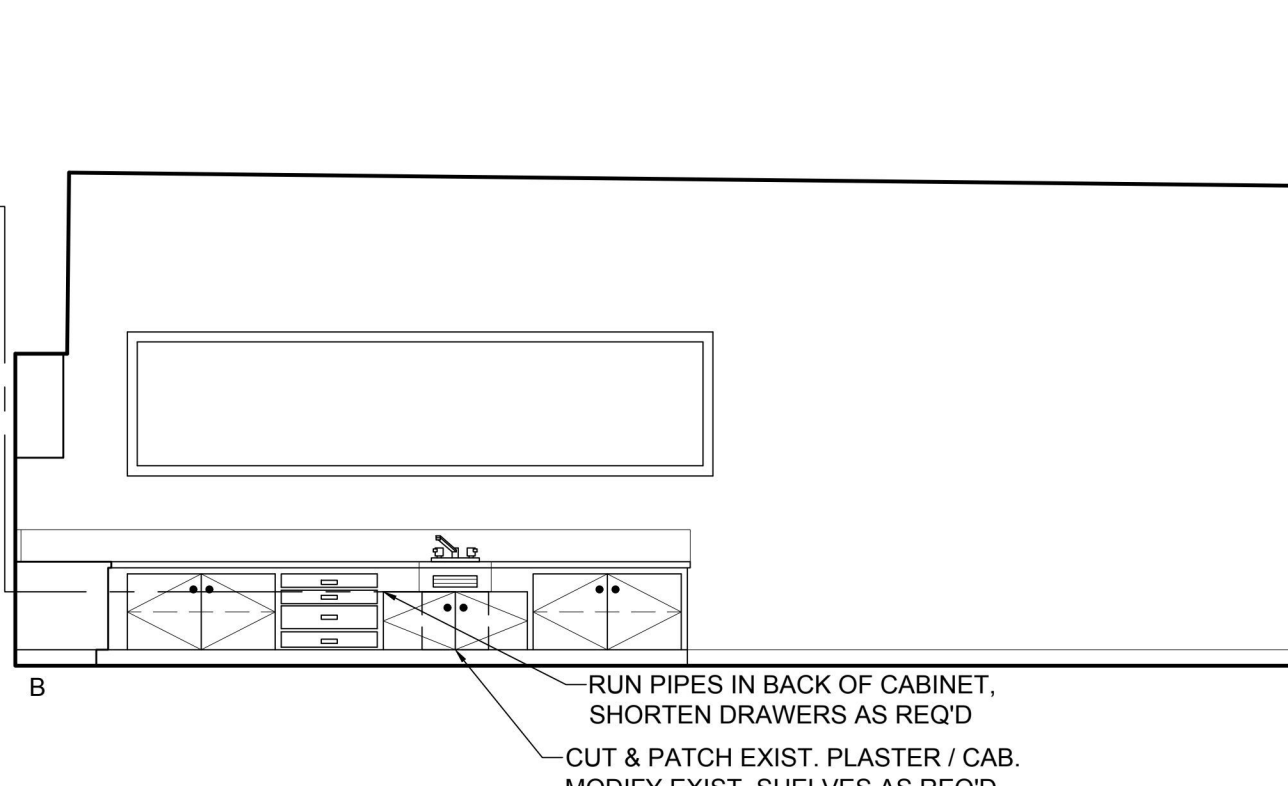
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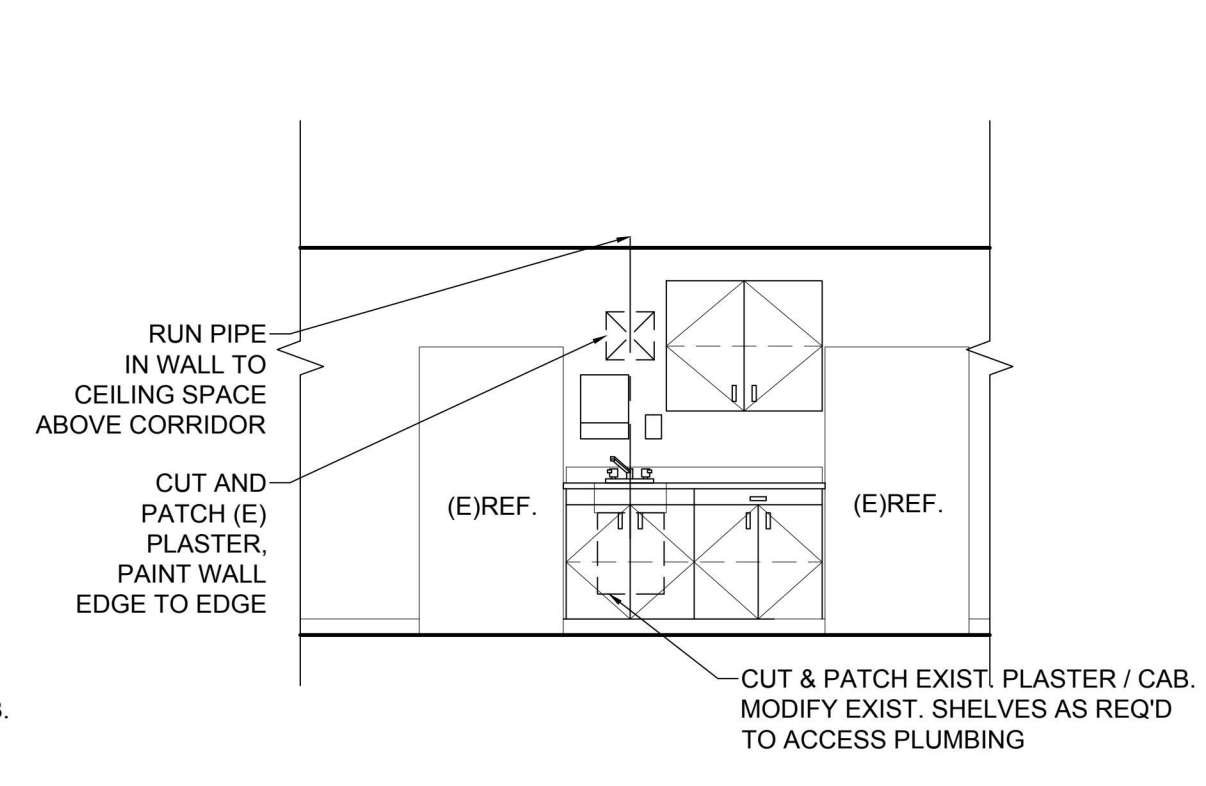
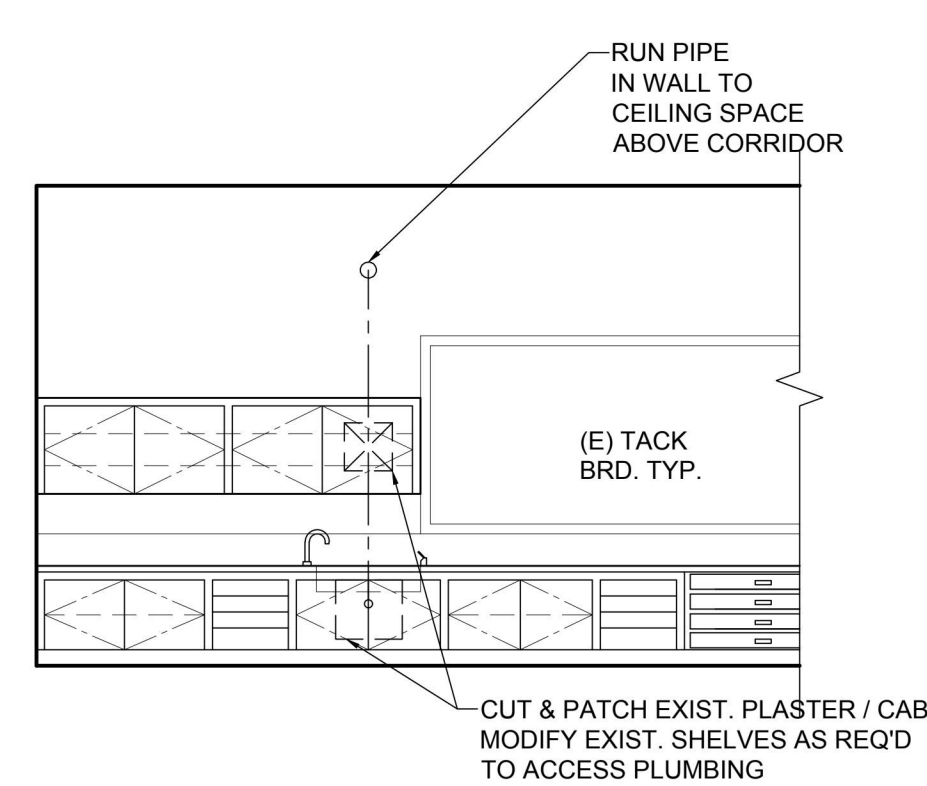
6 CLASSROOM 15 (CLASSROOM 18 SIM.)
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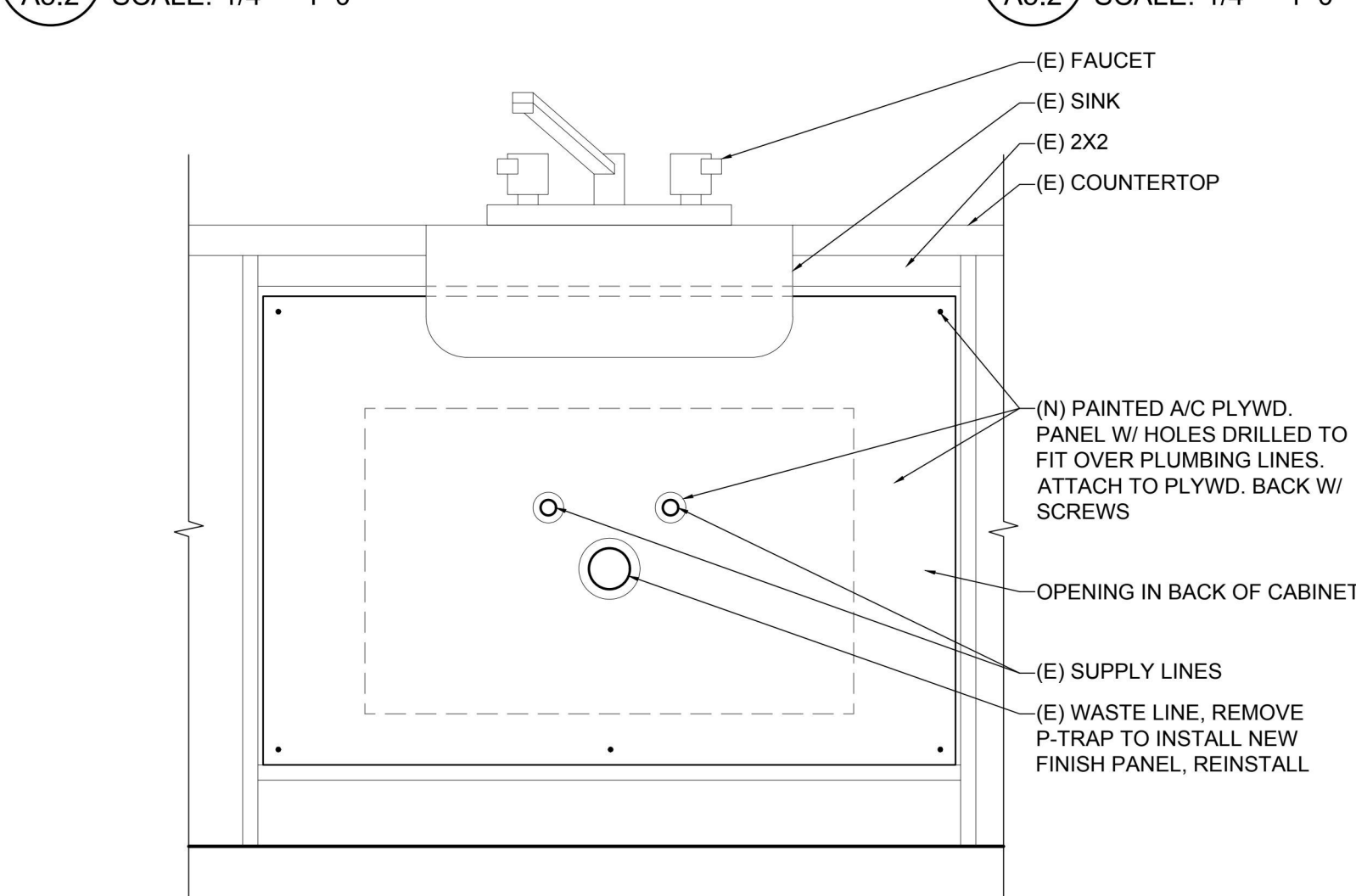
8 CLASSROOM 16
A5.2 SCALE: 1/4" = 1'-0"



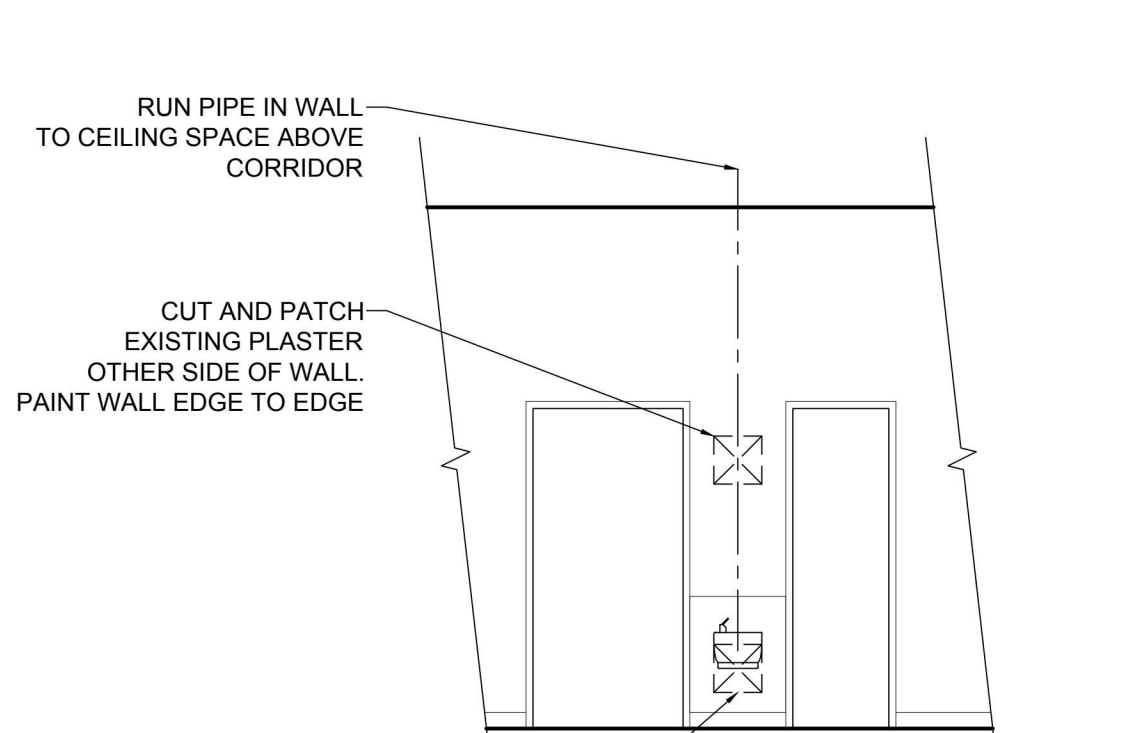
9 CLASSROOM 19
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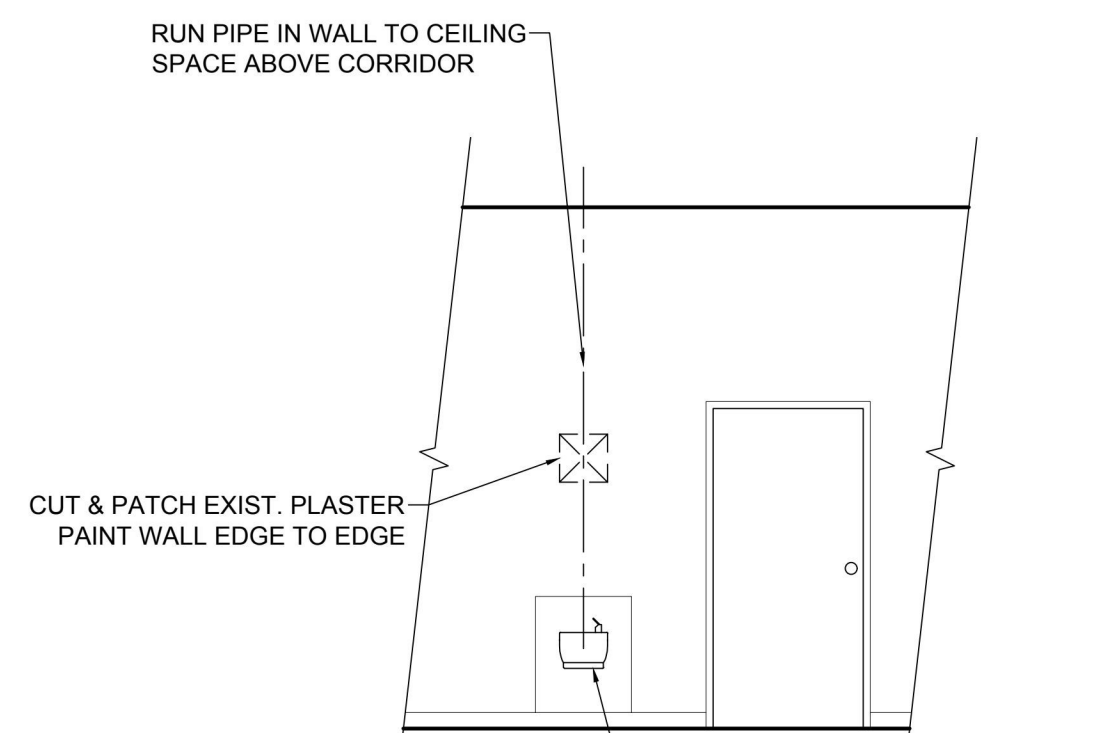
10 WORKROOM 28
A5.2 SCALE: 1/4" = 1'-0"



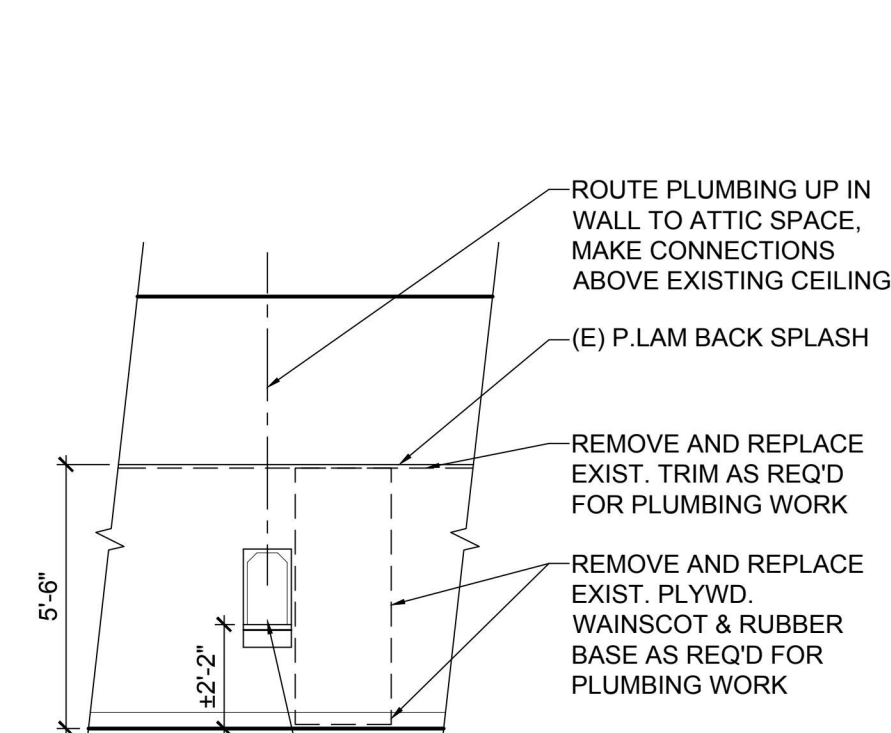
11 PANEL @ BACK OF CABINET
A5.2 SCALE: 1-1/2" = 1'-0"



12 TYP. CLASSROOM D.F. W/ CLOSET
A5.2 SCALE: 1/4" = 1'-0"



13 TYP. CLASSROOM D.F.
A5.2 SCALE: 1/4" = 1'-0"



14 TYP. RECESSED D.F.
A5.2 SCALE: 1/4" = 1'-0"

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REVISIONS

KEY PLAN

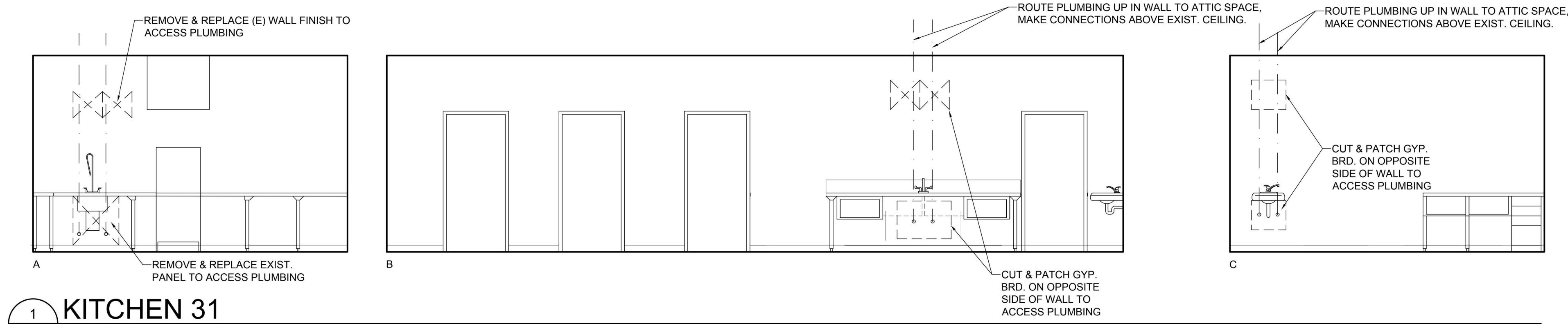
SHEET TITLE

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REPIPE AND REMODEL
LIBERTY ELEMENTARY SCHOOL

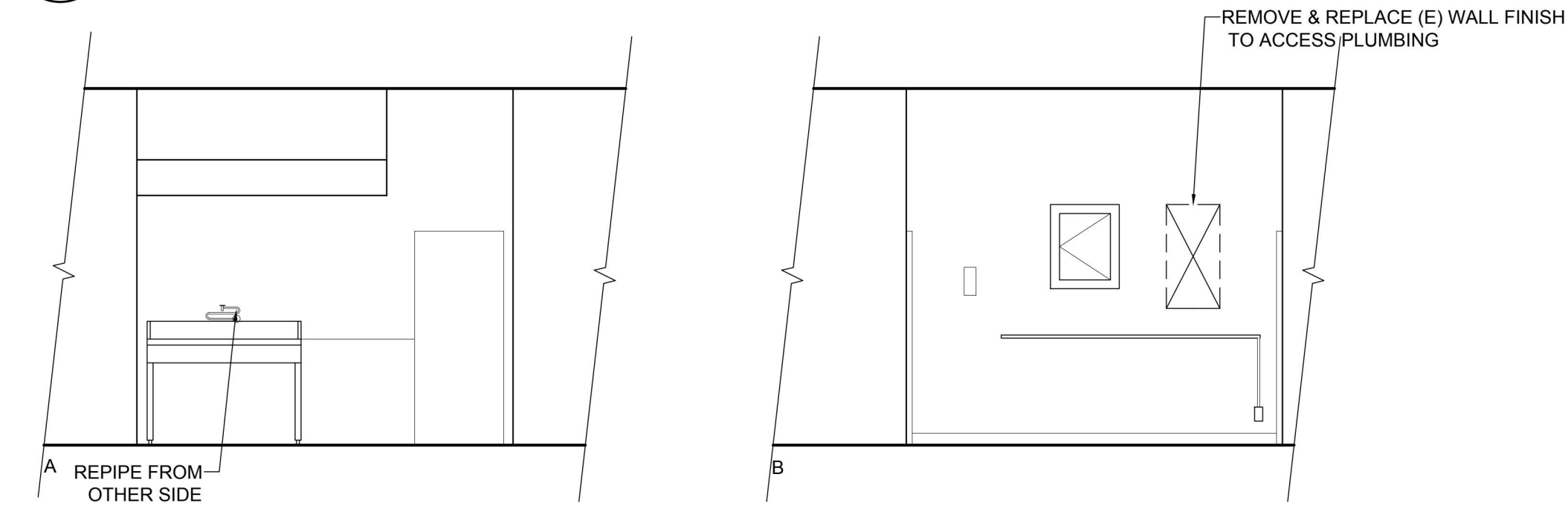
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SHEET TITLE
INTERIOR
ELEVATIONS &
DETAILS

DRAWN KMJ	SHEET A5.2
JOB NO.	
DATE 8/10/19	6 OF 9



1 KITCHEN 31
A5.3 SCALE: 1/4" = 1'-0"



2 KITCHEN 31
A5.3 SCALE: 1/4" = 1'-0"

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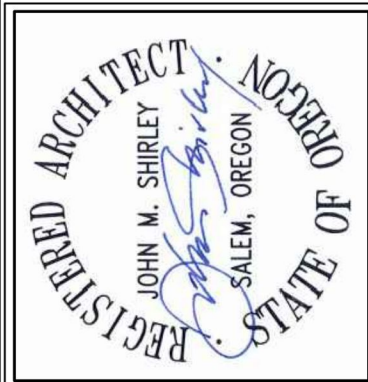
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SHEET TITLE
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ELEVATIONS &
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SHEET
A5.3
7 OF 9

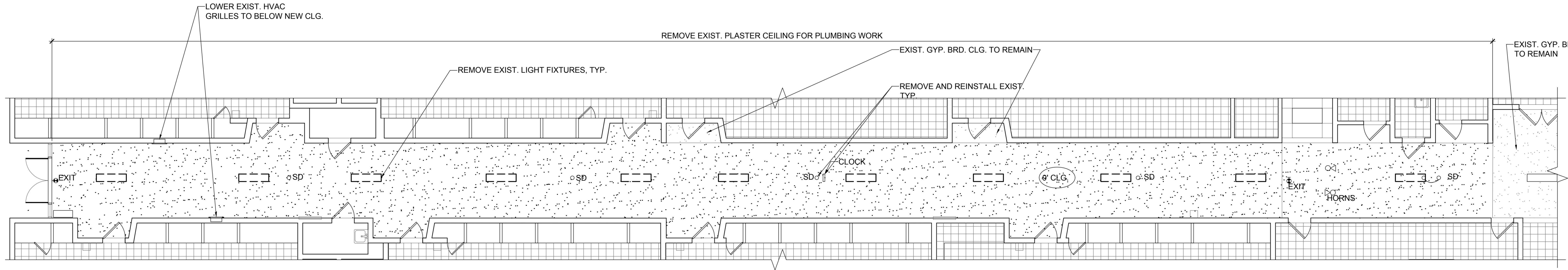
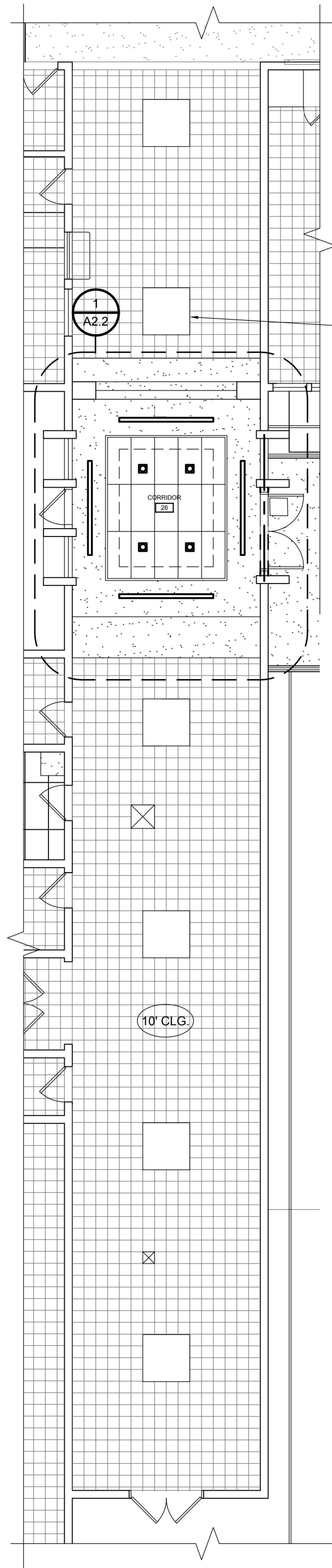


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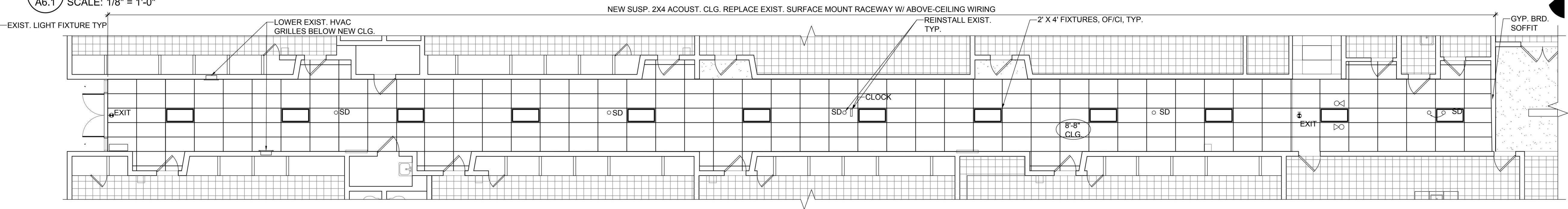
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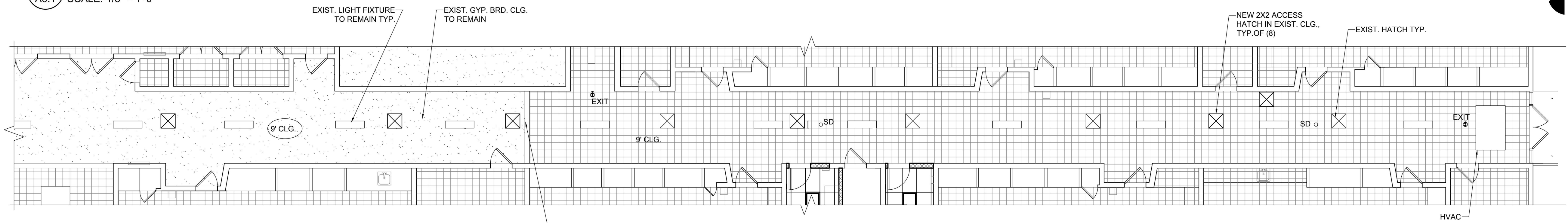
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1
A6.1
CORRIDOR 25 CEILING DEMO PLAN
SCALE: 1/8" = 1'-0"

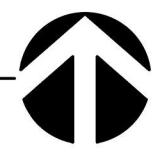


2
A6.1
CORRIDOR 25 CEILING PLAN
SCALE: 1/8" = 1'-0"



3
A6.1
CORRIDOR 20 CEILING PLAN
SCALE: 1/8" = 1'-0"

4
A6.1
CORRIDOR 26 CEILING PLAN
SCALE: 1/8" = 1'-0"



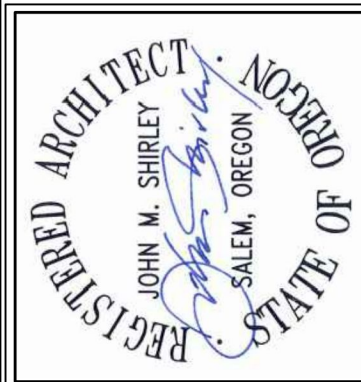
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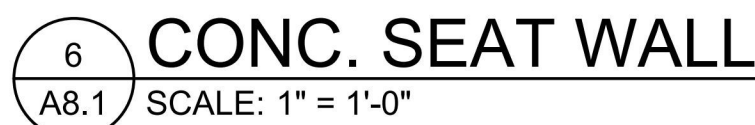
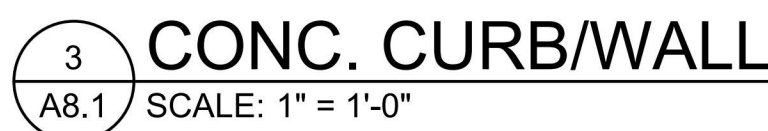
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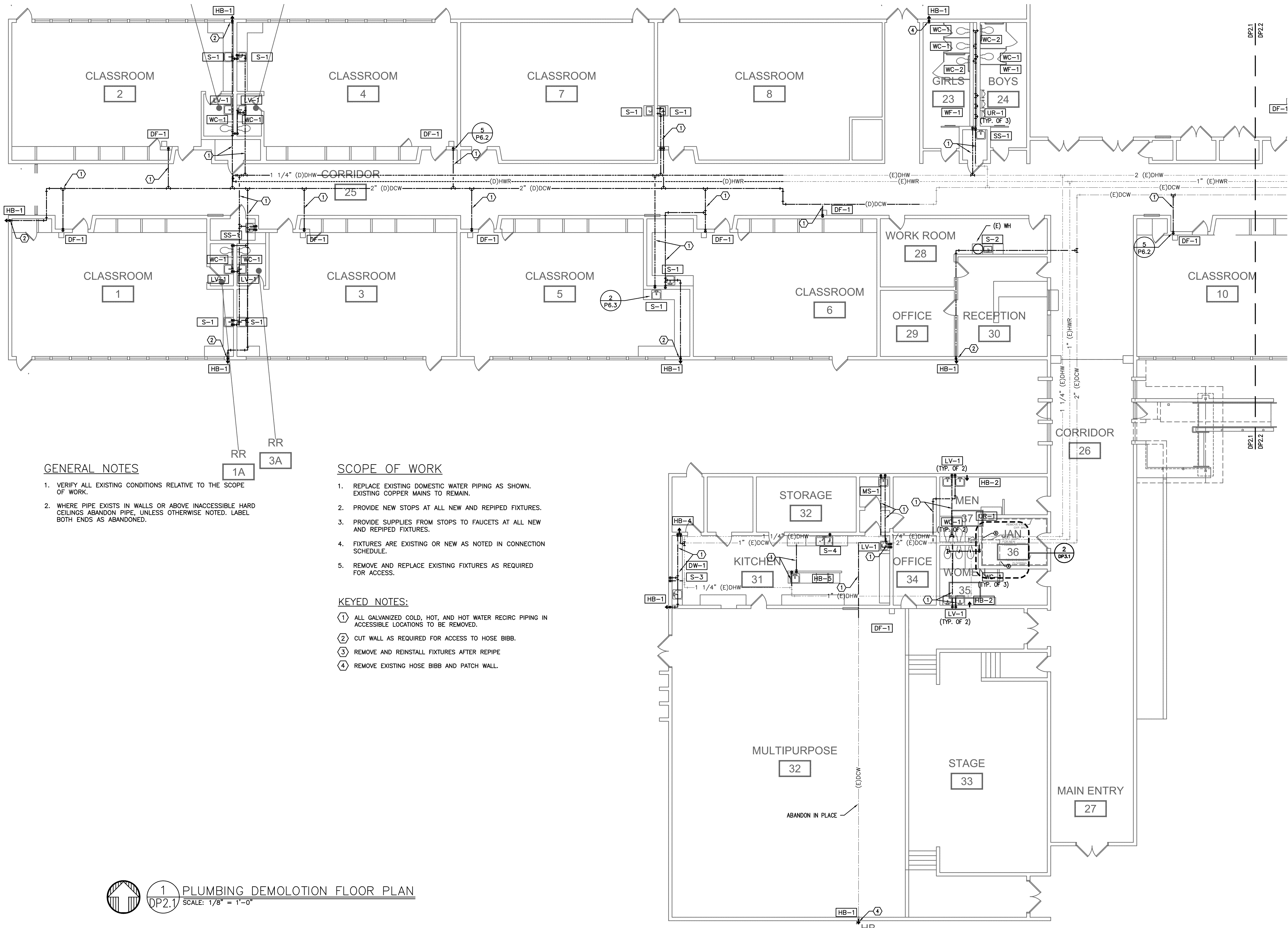
2019 Bond: Critical Facilities Upgrades
REPIPE AND REMODEL
LIBERTY ELEMENTARY SCHOOL
2345 LIBERTY ST. SW
ALBANY, OR 97321

SHEET TITLE

REFLECTED CEILING
PLAN

DRAWN KMJ	SHEET
JOB NO.	A6.1
DATE 9/10/19	8 OF 9





GENERAL NOTES

1. VERIFY ALL EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK.
2. WHERE PIPE EXISTS IN WALLS OR ABOVE INACCESSIBLE HARD CEILINGS ABANDON PIPE, UNLESS OTHERWISE NOTED. LABEL BOTH ENDS AS ABANDONED.

SCOPE OF WORK

1. REPLACE EXISTING DOMESTIC WATER PIPING AS SHOWN. EXISTING COPPER MAINS TO REMAIN.
2. PROVIDE NEW STOPS AT ALL NEW AND REPIPED FIXTURES.
3. PROVIDE SUPPLIES FROM STOPS TO FAUCETS AT ALL NEW AND REPIPED FIXTURES.
4. FIXTURES ARE EXISTING OR NEW AS NOTED IN CONNECTION SCHEDULE.
5. REMOVE AND REPLACE EXISTING FIXTURES AS REQUIRED FOR ACCESS.

KEYED NOTES:

- ① ALL GALVANIZED COLD, HOT, AND HOT WATER RECIRC PIPING IN ACCESSIBLE LOCATIONS TO BE REMOVED.
- ② CUT WALL AS REQUIRED FOR ACCESS TO HOSE BIBB.
- ③ REMOVE AND REINSTALL FIXTURES AFTER REPIPE
- ④ REMOVE EXISTING HOSE BIBB AND PATCH WALL.



1
DP2.1

PLUMBING DEMOLOTION FLOOR PLAN

SCALE: 1/8" = 1'-0"

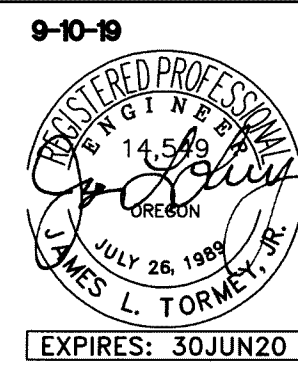
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KEY PLAN

SHEET TITLE

2019 Bond: Critical Facilities Upgrades
REPIPE AND REMODEL
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ALBANY, OR 97321

SHEET TITLE
PLUMBING
DEMOLITION
FLOOR PLAN

DRAWN

BKG

JOB NO.

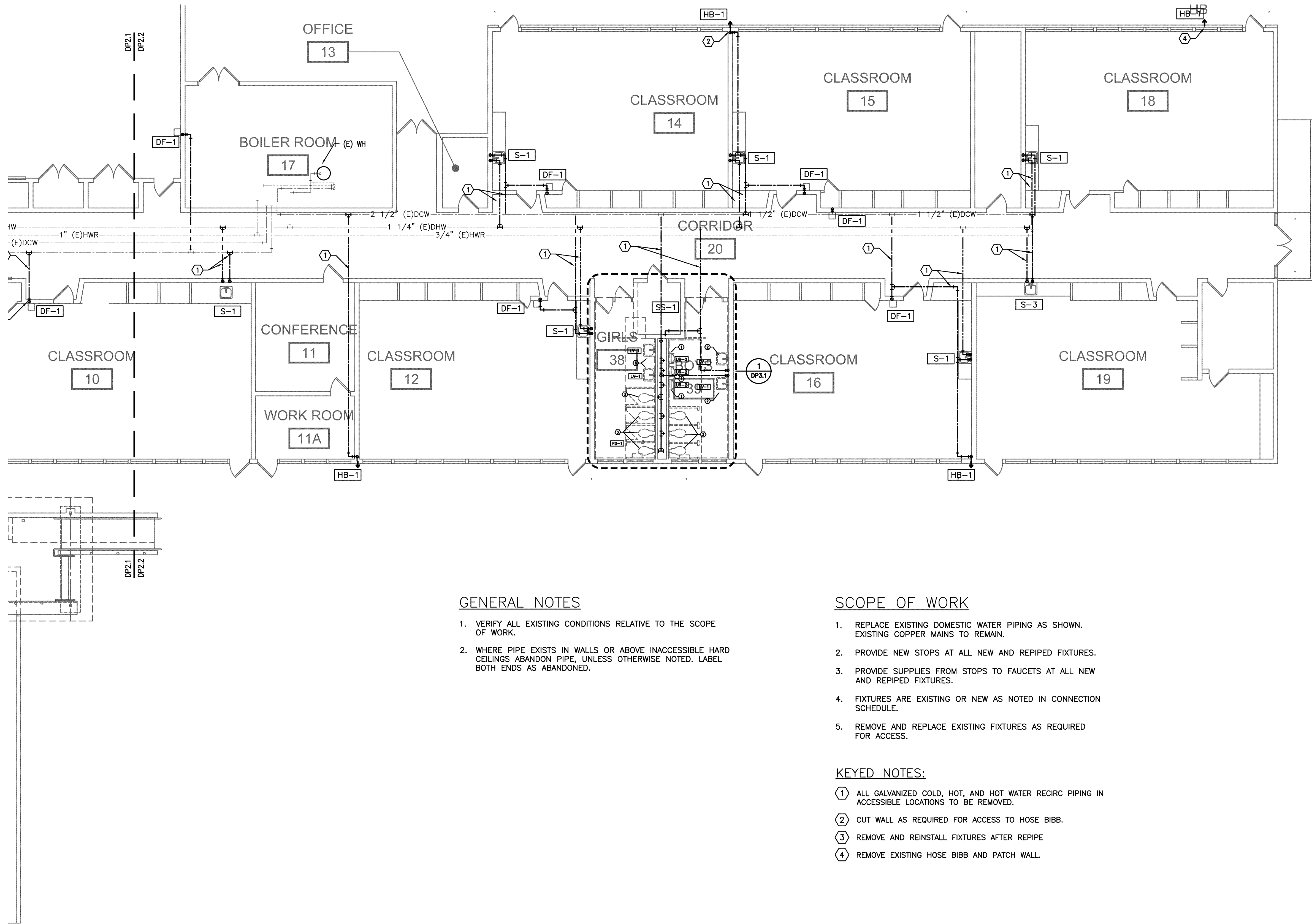
DP2.1

DATE

9/10/19

SHEET

1 OF 10



GENERAL NOTES

1. VERIFY ALL EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK.
2. WHERE PIPE EXISTS IN WALLS OR ABOVE INACCESSIBLE HARD CEILINGS ABANDON PIPE, UNLESS OTHERWISE NOTED. LABEL BOTH ENDS AS ABANDONED.

SCOPE OF WORK

1. REPLACE EXISTING DOMESTIC WATER PIPING AS SHOWN. EXISTING COPPER MAINS TO REMAIN.
2. PROVIDE NEW STOPS AT ALL NEW AND REPIPED FIXTURES.
3. PROVIDE SUPPLIES FROM STOPS TO FAUCETS AT ALL NEW AND REPIPED FIXTURES.
4. FIXTURES ARE EXISTING OR NEW AS NOTED IN CONNECTION SCHEDULE.
5. REMOVE AND REPLACE EXISTING FIXTURES AS REQUIRED FOR ACCESS.

KEYED NOTES:

- ① ALL GALVANIZED COLD, HOT, AND HOT WATER RECIRC PIPING IN ACCESSIBLE LOCATIONS TO BE REMOVED.
- ② CUT WALL AS REQUIRED FOR ACCESS TO HOSE BIBB.
- ③ REMOVE AND REINSTALL FIXTURES AFTER REPIPE
- ④ REMOVE EXISTING HOSE BIBB AND PATCH WALL.



1
DP2.2 PLUMBING DEMOLITION FLOOR PLAN
SCALE: 1/8" = 1'-0"

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REVISIONS

9-10-19

EXPIRES: 30JUN20

KEY PLAN

SHEET TITLE

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2345 LIBERTY ST. SW
ALBANY, OR 97321

SHEET TITLE

PLUMBING
DEMOLITION
FLOOR PLAN

DRAWN
BKG

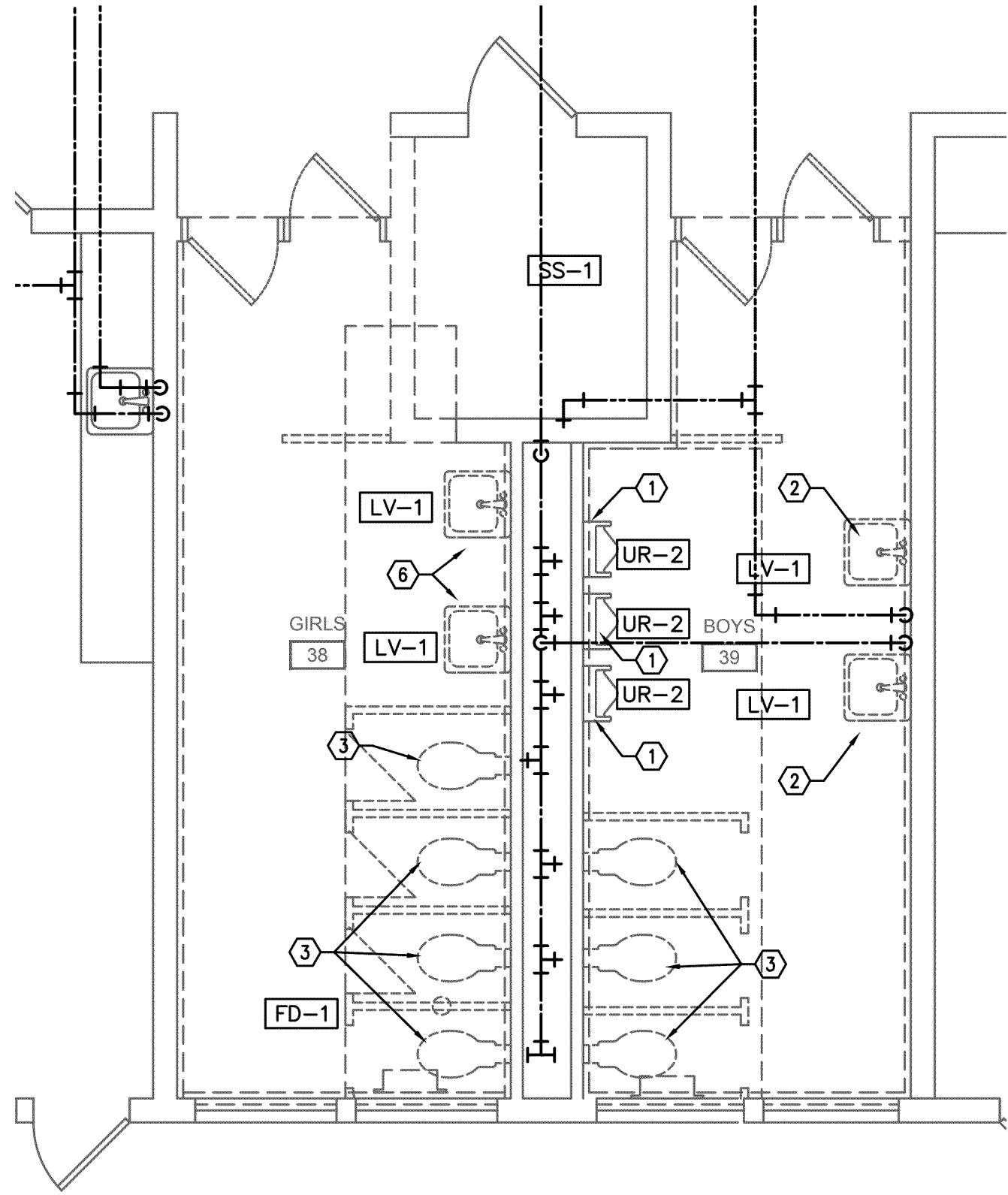
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DATE
9/10/19

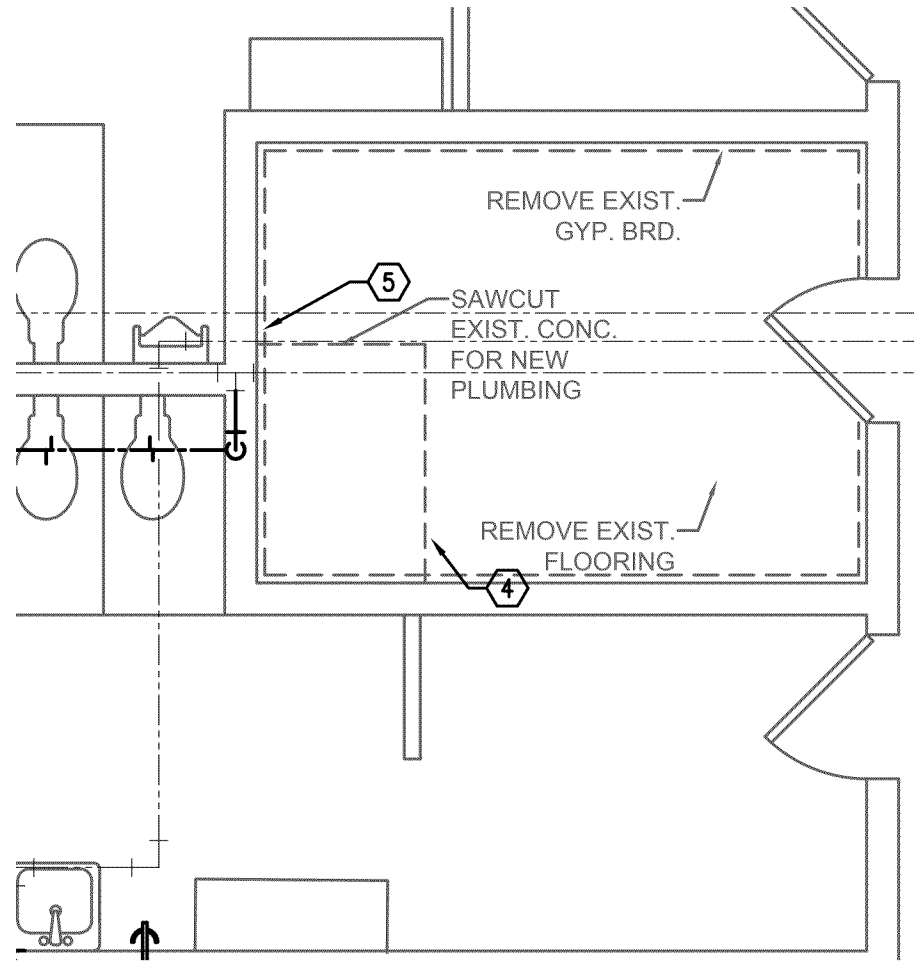
SHEET

DP2.2

2 OF 10



1 RESTROOM 38 & 39 DEMO PLUMBING
DP3.1 SCALE: 1/4" = 1'-0"



2 JANITOR 36 DEMO PLUMBING
DP3.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. VERIFY ALL EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK.
2. WHERE PIPE EXISTS IN WALLS OR ABOVE INACCESSIBLE HARD CEILINGS ABANDON PIPE, UNLESS OTHERWISE NOTED. LABEL BOTH ENDS AS ABANDONED.

KEYED NOTES:

- 1 REMOVE EXISTING FLOOR MOUNT URINALS. SAW CUT FLOOR AND MODIFY WASTE FOR WALL HUNG URINALS.
- 2 REMOVE EXISTING LAVATORY
- 3 REMOVE EXISTING WATER CLOSET. SAW CUT FLOOR AND EXTEND WASTE TO NEW WATER CLOSET LOCATION.
- 4 SAWCUT CONCRETE FLOOR FOR NEW WATER CLOSET PIPING
- 5 REMOVE EXISTING SERVICE SINK AND MODIFY PIPING FOR LAVATORY
- 6 REMOVE EXISTING LAVATORY AND CAP SUPPLY, WASTE AND VENT LINES IN WALL

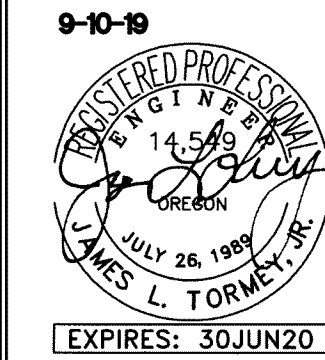
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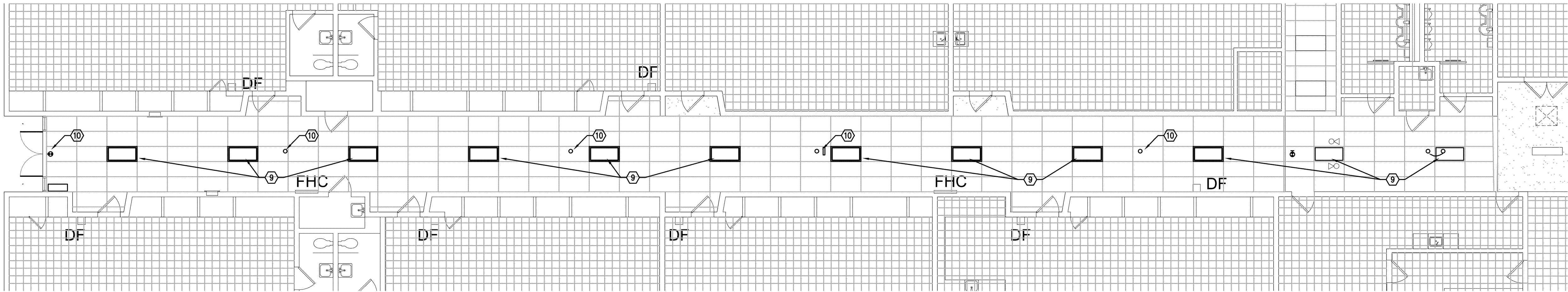
KEY PLAN

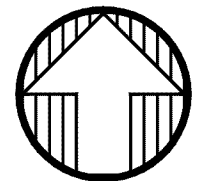
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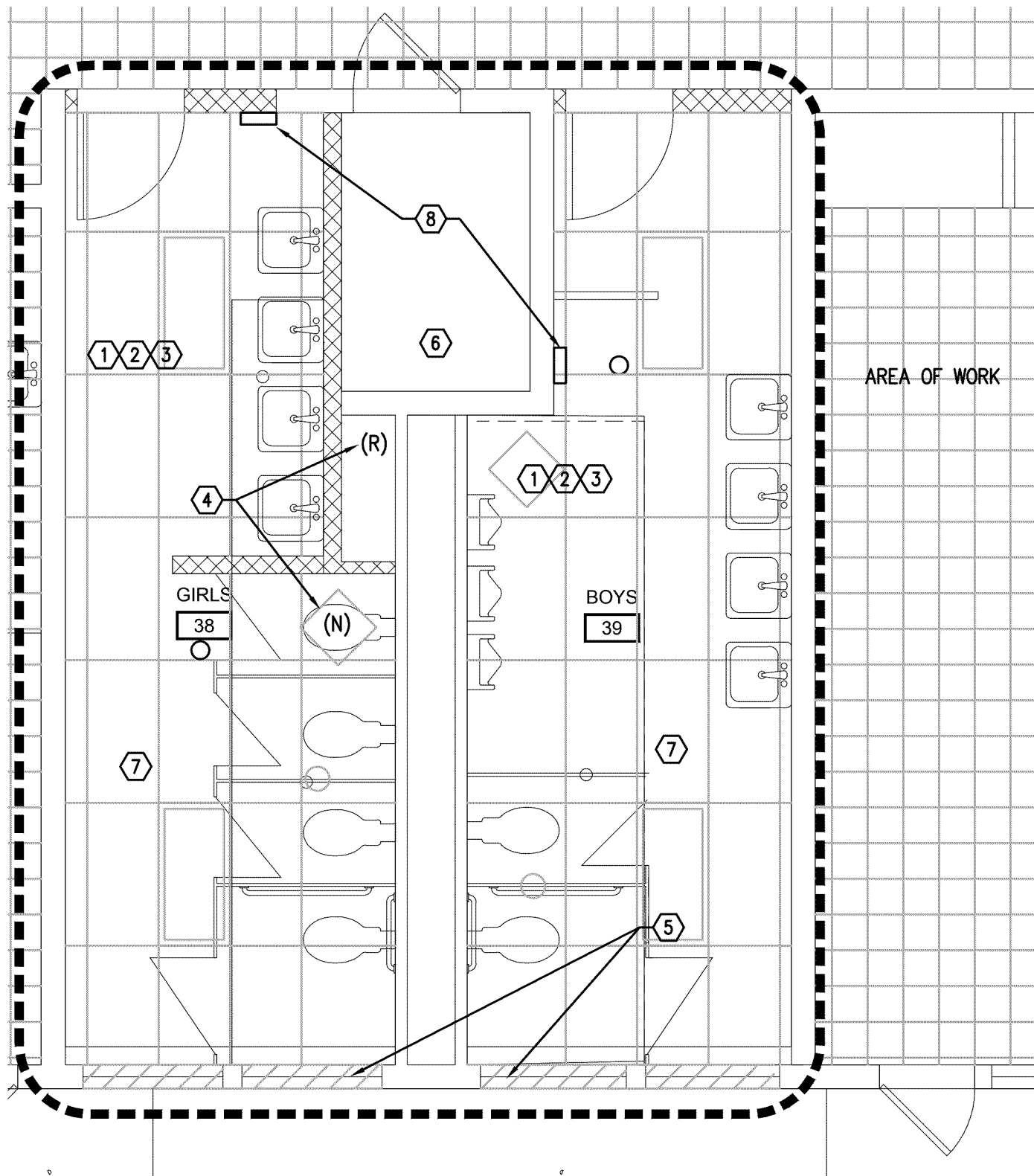
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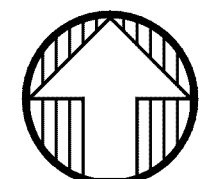
SHEET TITLE
ENLARGED DEMO
PLUMBING
FLOOR PLAN

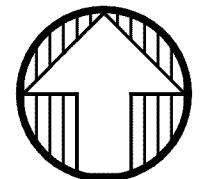
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JOB NO.	DP3.1
DATE 9/10/19	2 OF 10

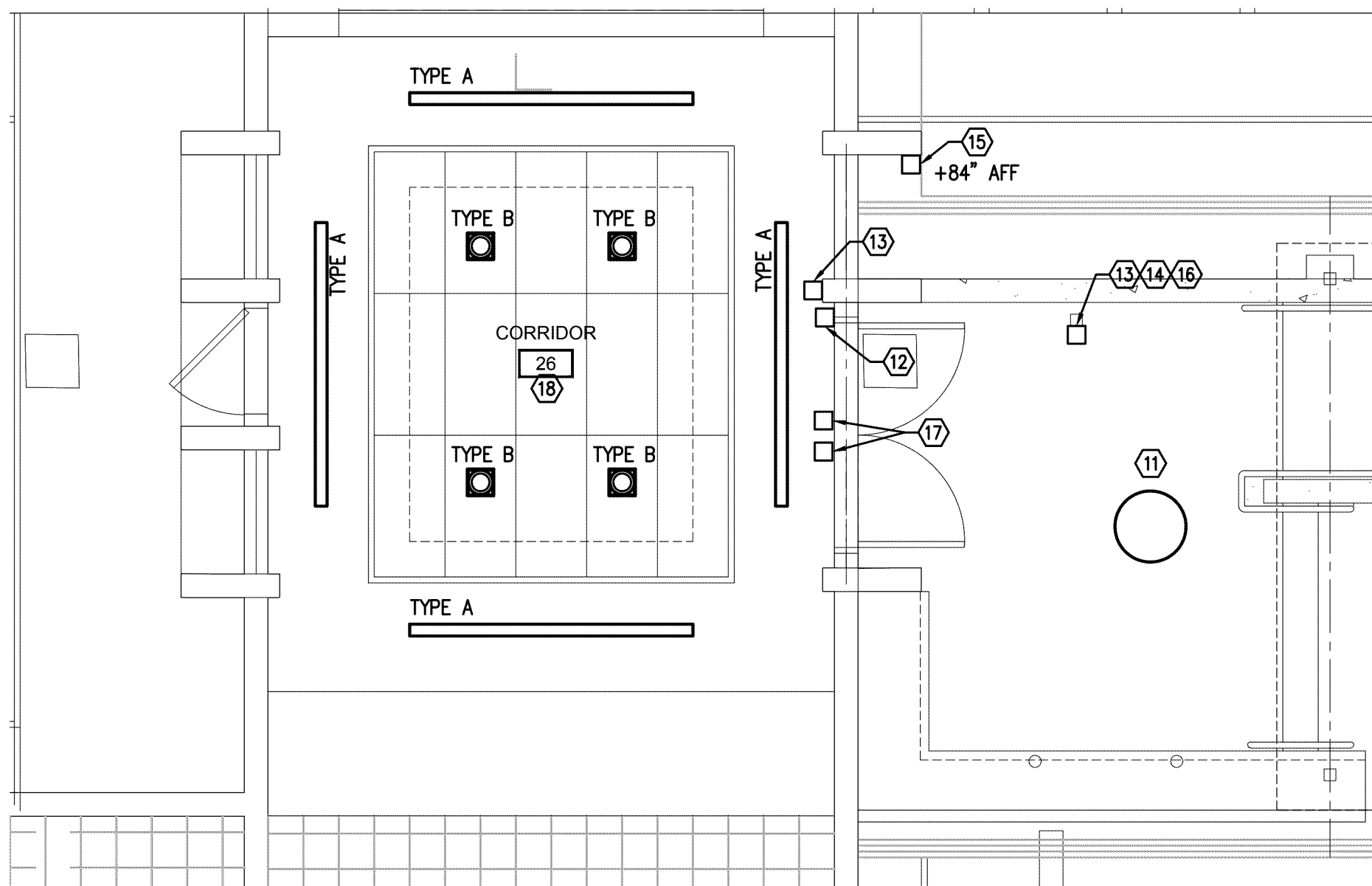


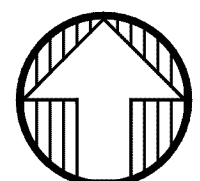
 **1** CORRIDOR 25 ELECTRICAL PLAN
E1.1 SCALE: 1/8" = 1'-0"



 **3** RESTROOM 36 ELECTRICAL PLAN
E1.1 SCALE: 1/4" = 1'-0"

 **2** RESTROOM 38 & 39 ELECTRICAL PLAN
E1.1 SCALE: 1/4" = 1'-0"



 **4** ENTRY PORCH ELECTRICAL PLAN
E1.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- ELECTRICAL DRAWINGS ARE DIAGRAMMATICAL AND MAY NOT ACCURATELY REFLECT ACTUAL CONSTRUCTION CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELECTRICAL EQUIPMENT, WITH ALL TRADES PRIOR TO AND DURING CONSTRUCTION.
- ELECTRICAL DESIGN AND CONSTRUCTION SHALL ADHERE TO ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
- ELECTRICAL CONTRACTOR SHALL REVIEW ALL PROJECT DOCUMENTATION AND IMMEDIATELY ADVISE THE ARCHITECT OF ANY DISCREPANCIES AND/OR CONFLICTS.
- COORDINATE WITH DIVISION 23 FOR EXACT LOCATION AND POWER REQUIREMENTS OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGH IN.
- ALL PENETRATIONS THROUGH FIREWALLS WILL REQUIRE FIRESTOP OF THE APPROPRIATE RATING.
- ALL PRODUCT SUBSTITUTIONS SUBMITTED FOR REVIEW SHALL BE EQUAL TO ANY AND ALL PRODUCTS AS DEFINED IN THESE PLANS AND AS DEFINED IN THE SPECIFICATIONS. ANY PRODUCT THAT DOES NOT MEET THE DESIGN CRITERIA WILL BE REJECTED.
- STANDARD RECEPTACLE MOUNTING HEIGHT IS 18" A.F.F. UNLESS OTHERWISE SPECIFIED. CONTRACTOR SHALL IDENTIFY ANY AREAS WHERE DEVICE MOUNTING DOES NOT MEET THIS STANDARD FOR DIRECTION.
- CONSULT ARCHITECT FOR ANY MOUNTING HEIGHTS AND/OR MATERIAL FINISHES NOT INDICATED ON THE PLANS.
- ALL LIGHT FIXTURES, LOW VOLTAGE AND FIRE ALARM DEVICES TO BE RELOCATED AS IDENTIFIED BY THE ARCHITECT, SHALL BE RETAINED FOR REINSTALLATION. ALL FIXTURES SHALL BE CLEANED AND DETERMINED TO BE IN GOOD WORKING ORDER PRIOR TO REINSTALLATION. FIXTURES AND DEVICES FOUND TO BE DAMAGED OR DEFECTIVE AND REQUIRING REPLACEMENT SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- ALL CIRCUITS SERVING THE FIXTURES AND DEVICES BEING RELOCATED AND/OR REINSTALLED, SHALL BE RETAINED AND REUSED.

KEYED NOTES:

- DISCONNECT AND RETAIN LIGHT SWITCH FOR RELOCATION AS NEEDED. CONSULT ARCHITECT FOR EXACT LOCATION OF ANY RELOCATED SWITCHES AND LOW VOLTAGE DEVICES.
- DISCONNECT AND REMOVE LIGHT FIXTURES, LOW VOLTAGE AND/OR FIRE ALARM DEVICES IN THIS AREA. RETAIN LOW VOLTAGE & FIRE ALARM DEVICES FOR REMODEL REINSTALL. INSTALL NEW OWNER FURNISHED LIGHT FIXTURES.
- PROVIDE CEILING MOUNTED OCCUPANCY SENSOR FOR LIGHTING AND EXHAUST FAN CONTROL. OCCUPANCY SENSOR SHALL BE WATT STOPPER DUAL TECH (ULTRASONIC AND INFRARED) OR APPROVED EQUAL.
- RELOCATE ELECTRICAL POWER TO UNIT HEATERS. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION AND FIELD COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER.
- DISCONNECT ELECTRICAL CONNECTIONS TO MECHANICAL EQUIPMENT TO BE REMOVED. REMOVE ANY WIRE AND/OR CONDUIT AS FAR BACK TO THE PANEL AS POSSIBLE. LABEL ANY LEFT OVER CIRCUITS AS "SPARE" AT THE PANEL. REFER TO MECHANICAL PLANS FOR ADDITIONAL INFORMATION AND FIELD COORDINATE WITH MECHANICAL EQUIPMENT INSTALLER.
- DISCONNECT ELECTRICAL CONNECTION TO ROOFTOP EXHAUST FAN TO BE REPLACED. RETAIN CIRCUIT FOR RECONNECTION TO NEW FAN.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM CLOSEST ELECTRICAL PANEL WITH SPARE CAPACITY, TO RESTROOMS FOR AUTOFLUSH POWER TO WATER CLOSETS AND URINALS. CONSULT PLUMBING INSTALLER FOR EXACT ELECTRICAL REQUIREMENTS AND FIELD COORDINATE INSTALLATION WITH PLUMBER.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FROM CLOSEST ELECTRICAL PANEL WITH SPARE CAPACITY, TO RESTROOMS FOR WALL MOUNT ELECTRIC HAND DRYERS. CONSULT ARCHITECT FOR EXACT LOCATION AND MOUNTING HEIGHT PRIOR TO ROUGH IN. HAND DRYERS SHALL BE EXCEL DRYER, INC., "XLERATOR" XL SERIES, 1450W, 120V MODEL, OR APPROVED EQUAL. FINISH AND OPTIONS PER ARCHITECT.
- DISCONNECT AND REMOVE EXISTING CEILING LIGHTS IN THIS AREA. RETAIN LIGHTING CIRCUITS AND RECONNECT TO OWNER FURNISHED 2X4 RECESS FIXTURES TO BE INSTALLED IN TILED CEILING GRID AS SHOWN. VERIFY EXACT FIXTURE TYPE WITH OWNER PRIOR TO ROUGH IN.
- DISCONNECT AND REMOVE EXISTING LOW VOLTAGE & FIRE ALARM DEVICES IN THIS AREA AND RETAIN FOR RECONNECTION IN NEW CEILING.
- DISCONNECT AND REMOVE EXISTING CEILING LIGHTS IN THIS AREA. RETAIN LIGHTING CIRCUITS AND RECONNECT TO RABB SURFACE MOUNT CEILING FIXTURE AS SHOWN. VERIFY EXACT FIXTURE TYPE WITH OWNER PRIOR TO ROUGH IN.
- PROVIDE ONE 20A, 120V, 1P CIRCUIT FOR AUTOMATIC DOOR OPENERS FROM NEAREST ELECTRICAL PANEL WITH AVAILABLE CAPACITY.
- PROVIDE DOOR OPENER PUSH BUTTON ON BOLLARD. FIELD VERIFY EXACT LOCATION AND MOUNTING HEIGHT.
- PROVIDE ELECTRICAL CONNECTION FOR CARD READER, MOUNTED ON BOLLARD, AND ELECTRONIC STRIKE AND EXTEND CONDUCTORS TO EXISTING ACCESS CONTROL PANEL IN OFFICE AREA FOR CONNECTION BY OWNER.
- PROVIDE ELECTRICAL CONNECTION FOR SECURITY CAMERA. EXTEND CONDUCTORS TO NEAREST EXISTING SECURITY SYSTEM IN OFFICE AREA FOR CONNECTION BY OWNER.
- PROVIDE ONE CAT5e TWISTED PAIR CABLE FOR NEC SL1100 DOOR PHONE (BE109741/922450) AND TIE INTO EXISTING PHONE SYSTEM. MOUNT ON BOLLARD. COORDINATE WITH OWNER FOR MOUNTING HEIGHTS.
- PROVIDE DOOR POSITION SENSOR (INTERLOGIX 1076D-N) AND EXTEND CONDUCTORS TO THE EXISTING SECURITY PANEL IN THE OFFICE AREA FOR CONNECTION BY OWNER.
- DISCONNECT AND REMOVE EXISTING CEILING LIGHTS IN THIS AREA. RETAIN LIGHTING CIRCUITS AND RECONNECT TO NEW LIGHT FIXTURES SHOWN. FIXTURES SHALL BE AS FOLLOWS UNLESS OTHERWISE APPROVED BY OWNER. LED COLOR TEMPERATURE AND VOLTAGE SHALL MATCH EXISTING FIXTURES IN THE VICINITY AS CLOSELY AS POSSIBLE. LIGHTING CONTROLS SHALL BE COMPATIBLE WITH EXISTING DEVICES AND/OR SYSTEMS.

TYPE A: METALUX SKYBAR SERIES, 96" LED LINEAR LOW BAY LUMINAIRE, 6,000 LUMEN, WIDE DISTRIBUTION. VERIFY ALL FIXTURE OPTIONS WITH OWNER PRIOR TO PLACING ORDER.

TYPE B: LIGHTOLIER P4RDL15 4" ROUND RECESSED DOWNLIGHT. FINISH SHALL BE PER OWNER'S DIRECTION.

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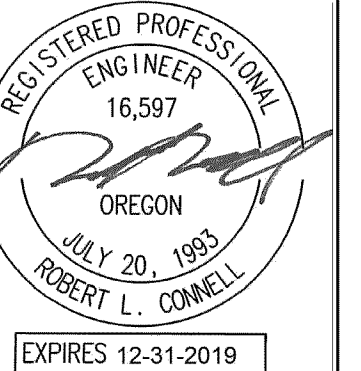
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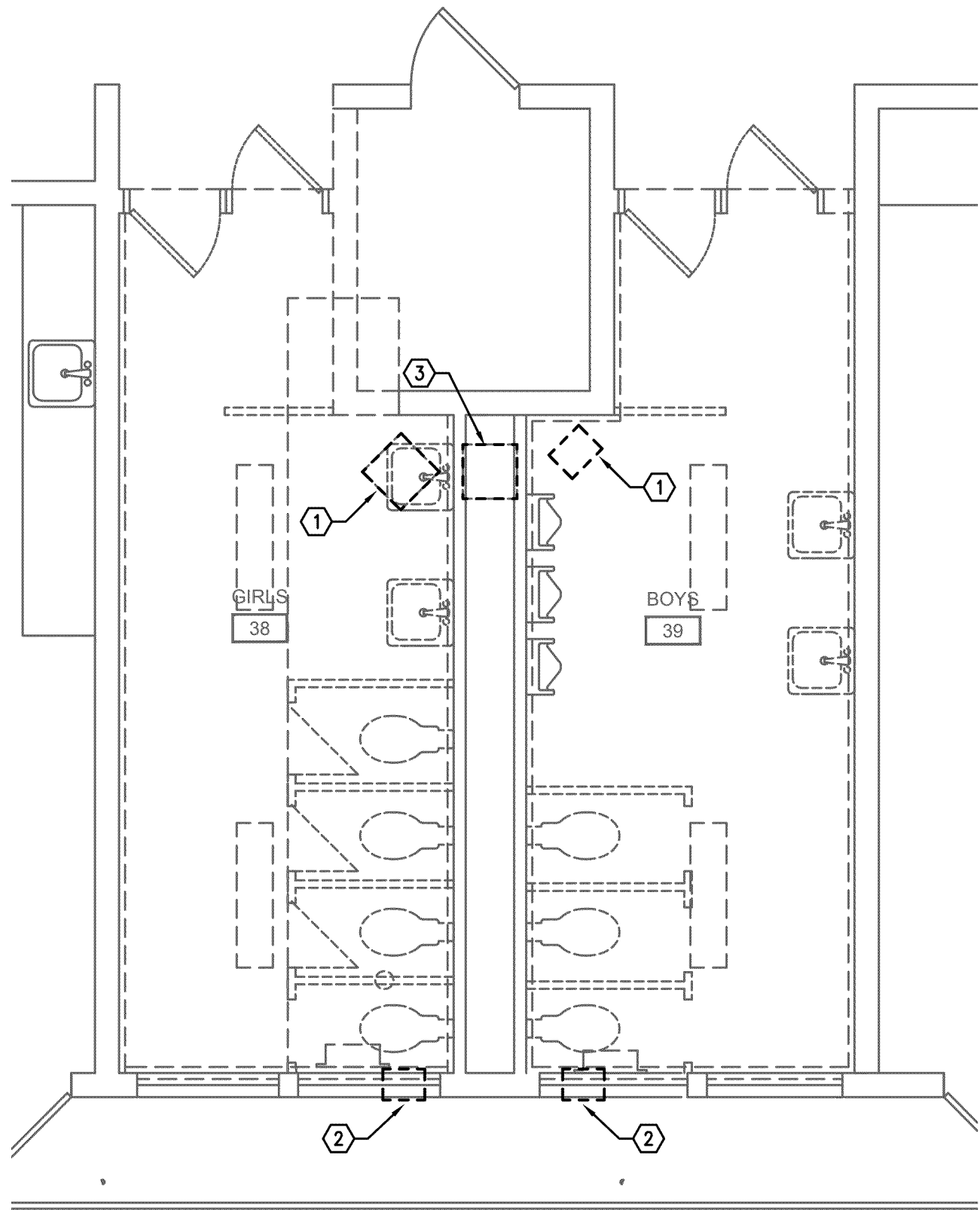
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SHEET TITLE

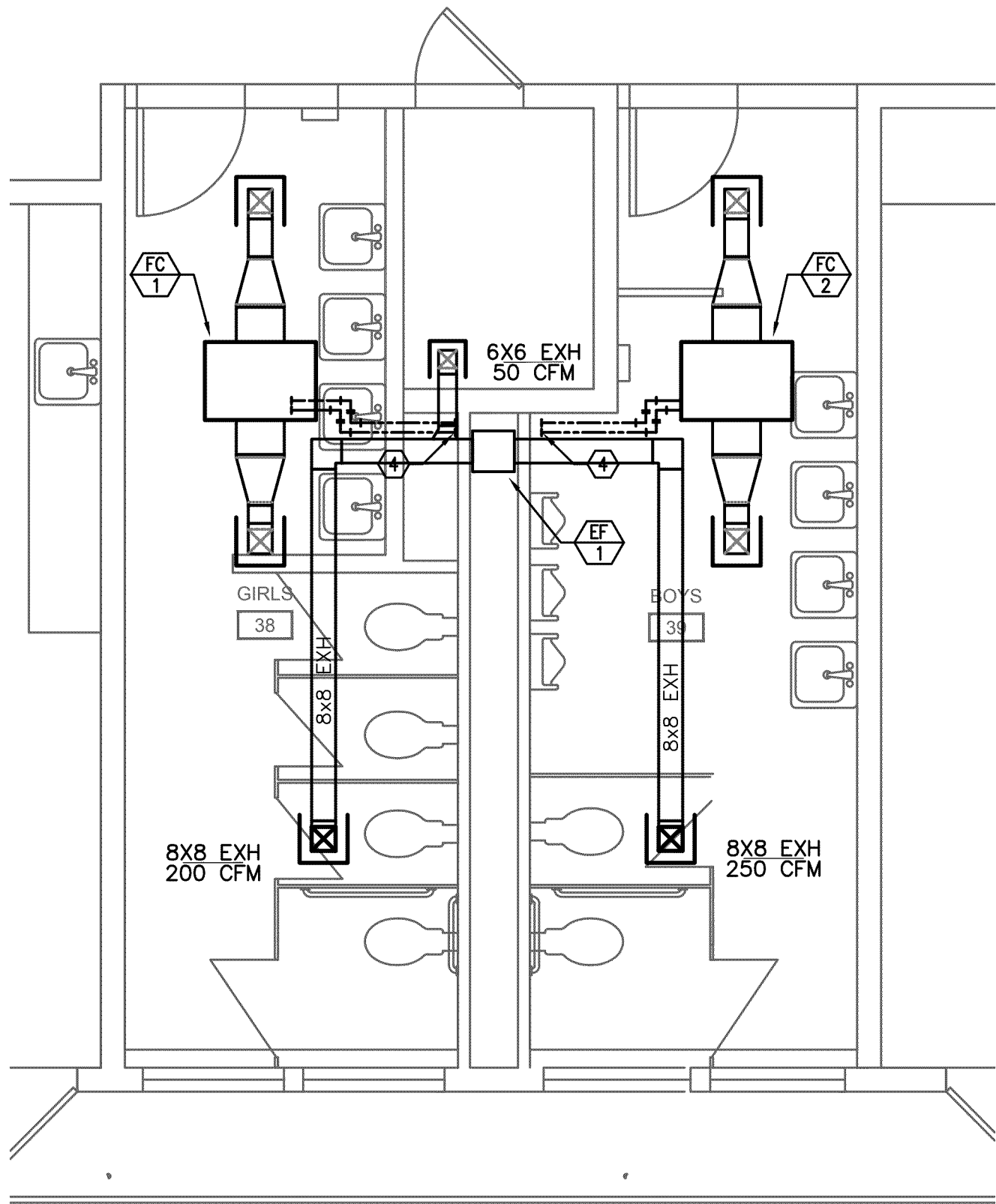
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ALBANY, OR 97321

SHEET TITLE
ELECTRICAL
FLOOR
PLAN

DRAWN DMT	SHEET
JOB NO.	E1.1
DATE 9/10/19	OF



1 RESTROOM 38 & 39 DEMO MECHANICAL
M3.1 SCALE: 1/4" = 1'-0"



2 RESTROOM 38 & 39 MECHANICAL PLAN
M3.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. VERIFY ALL EXISTING CONDITIONS RELATIVE TO THE SCOPE OF WORK.
2. COORDINATE INSTALLATION WITH OTHER TRADES

KEYED NOTES:

- 1 REMOVE EXISTING UNIT HEATER. EXISTING CONTROL VALVE AND THERMOSTAT TO REMAIN.
- 2 REMOVE EXISTING EXHAUST FAN AND PATCH WALL
- 3 REMOVE EXISTING ROOFTOP EXHAUST FAN AND PROVIDE NEW ROOFTOP EXHAUST FAN.
- 4 EXTEND HOT WATER SUPPLY AND RETURN PIPING TO NEW FAN COIL UNIT ABOVE CEILING. PROVIDE ACCESS PANEL AT CONTROL VALVES. RECONNECT EXISTING THERMOSTAT TO NEW FAN COIL UNIT.

EXHAUST FANS	
MARK NUMBER	EF 1
TYPE	ROOFTOP DIRECT DRIVE
SYSTEM	RESTROOMS
CFM	1000
TOTAL SP. (IN H2O)	0.50
RPM	1592
TIP SPEED (FPM)	---
MOTOR WATTS OR HP	1/4 HP
CONTROLLED BY	CONTINUOUS
INTERLOCK WITH	--
FAN SPEED CONTROLLER	YES
WHEEL TYPE	BI
BACK DRAFT DAMPER	MOTORIZED
ISOLATION	NONE
DESIGN WEIGHT (LBS)	65
MAX. SONES	8.7
POWER (VOLTS/PHASE/HZ)	120/1/60
BASIS OF DESIGN:	GREENHECK G-103-VG

HOT WATER FAN COIL		
MARK NUMBER	FC 1	FC 2
SYSTEM	GIRLS 38	BOYS 39
CFM.	200	200
HP	1/30	1/30
ELECTRIC HEAT	NONE	NONE
HEATING COIL	MBH	6.0
	COIL ROWS	3
	ENT HW (°F)	--
	LVG HW (°F)	--
	PRESS LOSS (FT)	--
DESIGN WEIGHT (LBS)	120	120
BASIS OF DESIGN:	CARRIER 42CK	

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REVISIONS

9-10-19
REGISTERED PROFESSIONAL
MECHANICAL ENGINEER
JULY 28 1989
JAMES L. TORMEY, INC.
EXPIRES: 30JUN20

KEY PLAN

SHEET TITLE

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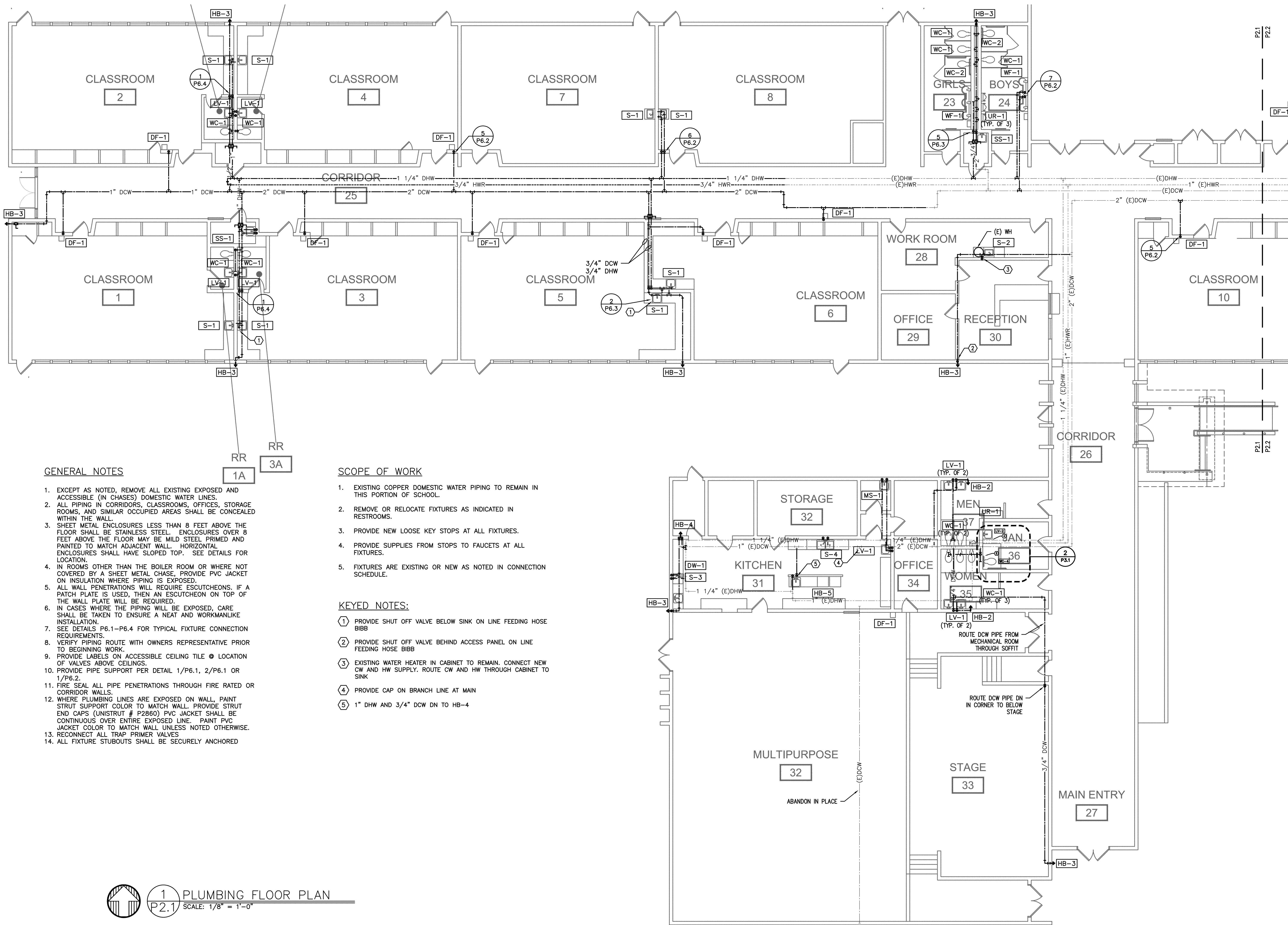
SHEET TITLE
ENLARGED
MECHANICAL
FLOOR PLAN

DRAWN
BKG

JOB NO.
M3.1

DATE
9/10/19

SHEET
1 OF 1



GENERAL NOTES

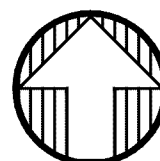
- EXCEPT AS NOTED, REMOVE ALL EXISTING EXPOSED AND ACCESSIBLE (IN CHASES) DOMESTIC WATER LINES.
- ALL PIPING IN CORRIDORS, CLASSROOMS, OFFICES, STORAGE ROOMS, AND SIMILAR OCCUPIED AREAS SHALL BE CONCEALED WITHIN THE WALL.
- SHEET METAL ENCLOSURES LESS THAN 8 FEET ABOVE THE FLOOR SHALL BE STAINLESS STEEL. ENCLOSURES OVER 8 FEET ABOVE THE FLOOR MAY BE MILD STEEL PRIMED AND PAINTED TO MATCH ADJACENT WALL. HORIZONTAL ENCLOSURES SHALL HAVE SLOPED TOP. SEE DETAILS FOR LOCATION.
- IN ROOMS OTHER THAN THE BOILER ROOM OR WHERE NOT COVERED BY A SHEET METAL CHASE, PROVIDE PVC JACKET ON INSULATION WHERE PIPING IS EXPOSED.
- ALL WALL PENETRATIONS WILL REQUIRE ESCUTCHEONS. IF A PATCH PLATE IS USED, THEN AN ESCUTCHEON ON TOP OF THE WALL PLATE WILL BE REQUIRED.
- IN CASES WHERE THE PIPING WILL BE EXPOSED, CARE SHALL BE TAKEN TO ENSURE A NEAT AND WORKMANLIKE INSTALLATION.
- SEE DETAILS P6.1-P6.4 FOR TYPICAL FIXTURE CONNECTION REQUIREMENTS.
- VERIFY PIPING ROUTE WITH OWNERS REPRESENTATIVE PRIOR TO BEGINNING WORK.
- PROVIDE LABELS ON ACCESSIBLE CEILING TILE @ LOCATION OF VALVES ABOVE CEILINGS.
- PROVIDE PIPE SUPPORT PER DETAIL 1/P6.1, 2/P6.1 OR 1/P6.2.
- FIRE SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED OR CORRIDOR WALLS.
- WHERE PLUMBING LINES ARE EXPOSED ON WALL, PAINT STRUT SUPPORT COLOR TO MATCH WALL. PROVIDE STRUT END CAPS (UNISTRUT # P2B60) PVC JACKET SHALL BE CONTINUOUS OVER ENTIRE EXPOSED LINE. PAINT PVC JACKET COLOR TO MATCH WALL UNLESS NOTED OTHERWISE.
- RECONNECT ALL TRAP PRIMER VALVES
- ALL FIXTURE STUBOUTS SHALL BE SECURELY ANCHORED

SCOPE OF WORK

- EXISTING COPPER DOMESTIC WATER PIPING TO REMAIN IN THIS PORTION OF SCHOOL.
- REMOVE OR RELOCATE FIXTURES AS INDICATED IN RESTROOMS.
- PROVIDE NEW LOOSE KEY STOPS AT ALL FIXTURES.
- PROVIDE SUPPLIES FROM STOPS TO FAUCETS AT ALL FIXTURES.
- FIXTURES ARE EXISTING OR NEW AS NOTED IN CONNECTION SCHEDULE.

KEYED NOTES:

- PROVIDE SHUT OFF VALVE BELOW SINK ON LINE FEEDING HOSE BIBB
- PROVIDE SHUT OFF VALVE BEHIND ACCESS PANEL ON LINE FEEDING HOSE BIBB
- EXISTING WATER HEATER IN CABINET TO REMAIN. CONNECT NEW CW AND HW SUPPLY. ROUTE CW AND HW THROUGH CABINET TO SINK
- PROVIDE CAP ON BRANCH LINE AT MAIN
- 1" DHW AND 3/4" DCW DN TO HB-4



1 PLUMBING FLOOR PLAN
P2.1 SCALE: 1/8" = 1'-0"

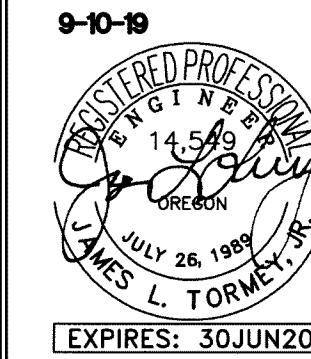
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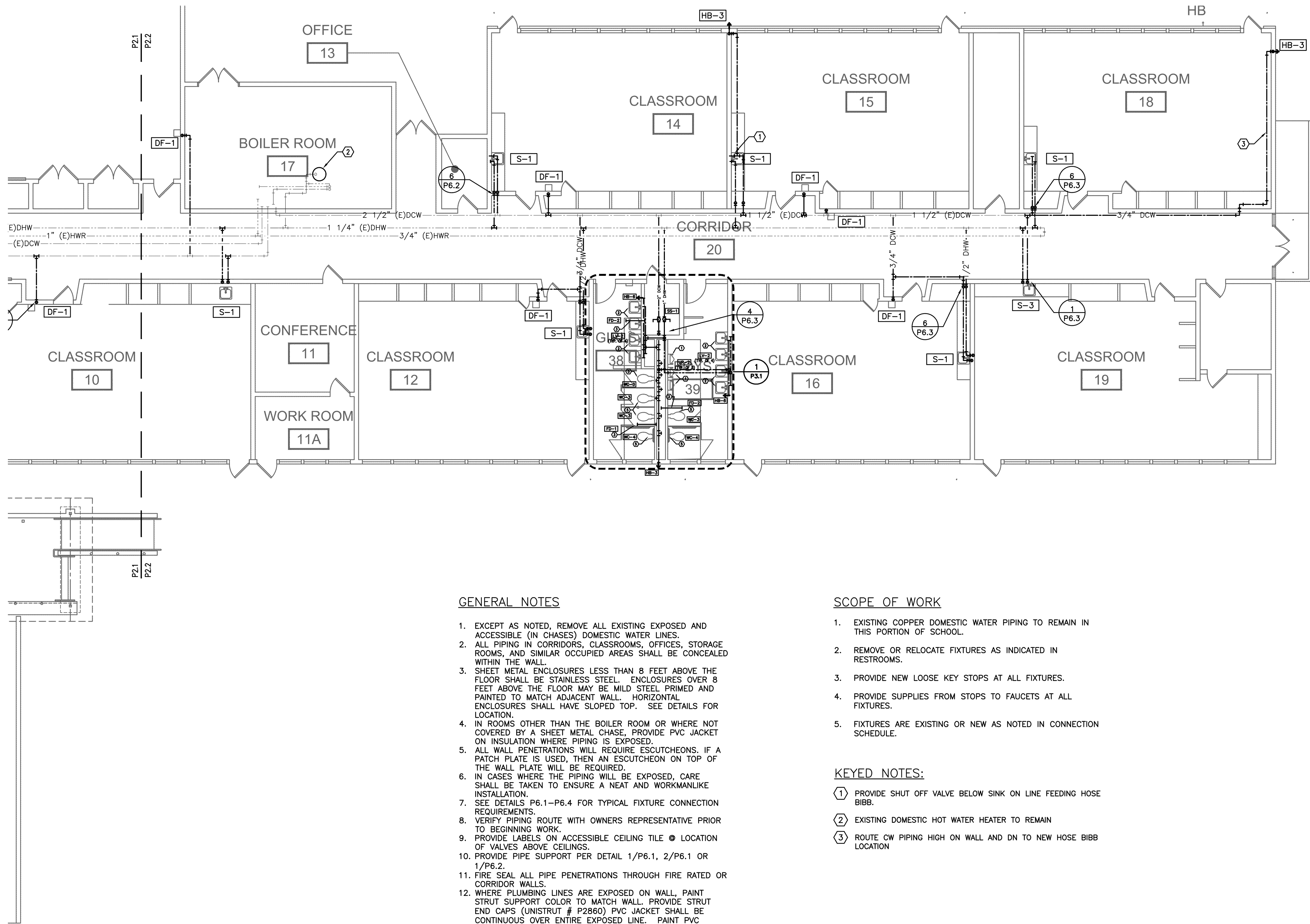
KEY PLAN

SHEET TITLE

2019 Bond: Critical Facilities Upgrades
REPIPE AND REMODEL
LIBERTY ELEMENTARY SCHOOL
2345 LIBERTY ST. SW
ALBANY, OR 97321

SHEET TITLE
PLUMBING
FLOOR
PLAN

DRAWN BKG	SHEET
JOB NO.	P2.1
DATE 9/10/19	4 OF 10



GENERAL NOTES

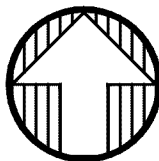
- EXCEPT AS NOTED, REMOVE ALL EXISTING EXPOSED AND ACCESSIBLE (IN CHASES) DOMESTIC WATER LINES.
- ALL PIPING IN CORRIDORS, CLASSROOMS, OFFICES, STORAGE ROOMS, AND SIMILAR OCCUPIED AREAS SHALL BE CONCEALED WITHIN THE WALL.
- SHEET METAL ENCLOSURES LESS THAN 8 FEET ABOVE THE FLOOR SHALL BE STAINLESS STEEL. ENCLOSURES OVER 8 FEET ABOVE THE FLOOR MAY BE MILD STEEL PRIMED AND PAINTED TO MATCH ADJACENT WALL. HORIZONTAL ENCLOSURES SHALL HAVE SLOPED TOP. SEE DETAILS FOR LOCATION.
- IN ROOMS OTHER THAN THE BOILER ROOM OR WHERE NOT COVERED BY A SHEET METAL CHASE, PROVIDE PVC JACKET ON INSULATION WHERE PIPING IS EXPOSED.
- ALL WALL PENETRATIONS WILL REQUIRE ESCUTCHEONS. IF A PATCH PLATE IS USED, THEN AN ESCUTCHEON ON TOP OF THE WALL PLATE WILL BE REQUIRED.
- IN CASES WHERE THE PIPING WILL BE EXPOSED, CARE SHALL BE TAKEN TO ENSURE A NEAT AND WORKMANLIKE INSTALLATION.
- SEE DETAILS P6.1-P6.4 FOR TYPICAL FIXTURE CONNECTION REQUIREMENTS.
- VERIFY PIPING ROUTE WITH OWNERS REPRESENTATIVE PRIOR TO BEGINNING WORK.
- PROVIDE LABELS ON ACCESSIBLE CEILING TILE @ LOCATION OF VALVES ABOVE CEILINGS.
- PROVIDE PIPE SUPPORT PER DETAIL 1/P6.1, 2/P6.1 OR 1/P6.2.
- FIRE SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED OR CORRIDOR WALLS.
- WHERE PLUMBING LINES ARE EXPOSED ON WALL, PAINT STRUT SUPPORT COLOR TO MATCH WALL. PROVIDE STRUT END CAPS (UNISTRUT # P2860) PVC JACKET SHALL BE CONTINUOUS OVER ENTIRE EXPOSED LINE. PAINT PVC JACKET COLOR TO MATCH WALL UNLESS NOTED OTHERWISE.
- RECONNECT ALL TRAP PRIMER VALVES
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SCOPE OF WORK

- EXISTING COPPER DOMESTIC WATER PIPING TO REMAIN IN THIS PORTION OF SCHOOL.
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- PROVIDE NEW LOOSE KEY STOPS AT ALL FIXTURES.
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- FIXTURES ARE EXISTING OR NEW AS NOTED IN CONNECTION SCHEDULE.

KEYED NOTES:

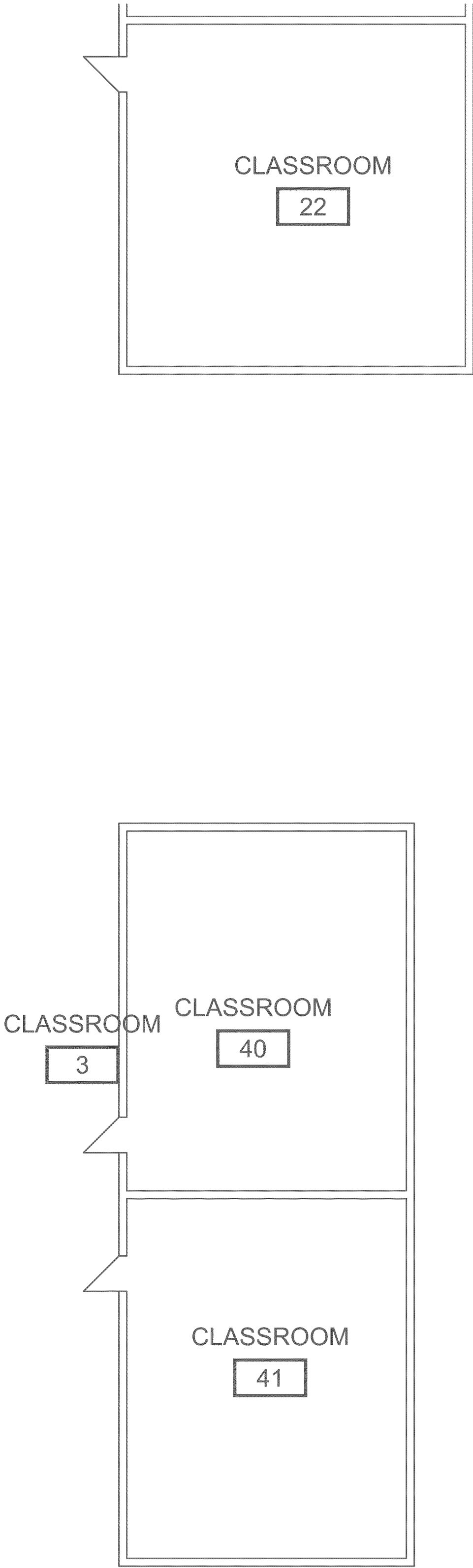
- ① PROVIDE SHUT OFF VALVE BELOW SINK ON LINE FEEDING HOSE BIBB.
- ② EXISTING DOMESTIC HOT WATER HEATER TO REMAIN
- ③ ROUTE CW PIPING HIGH ON WALL AND DN TO NEW HOSE BIBB LOCATION



1
P2.2

PLUMBING FLOOR PLAN

SCALE: 1/8" = 1'-0"



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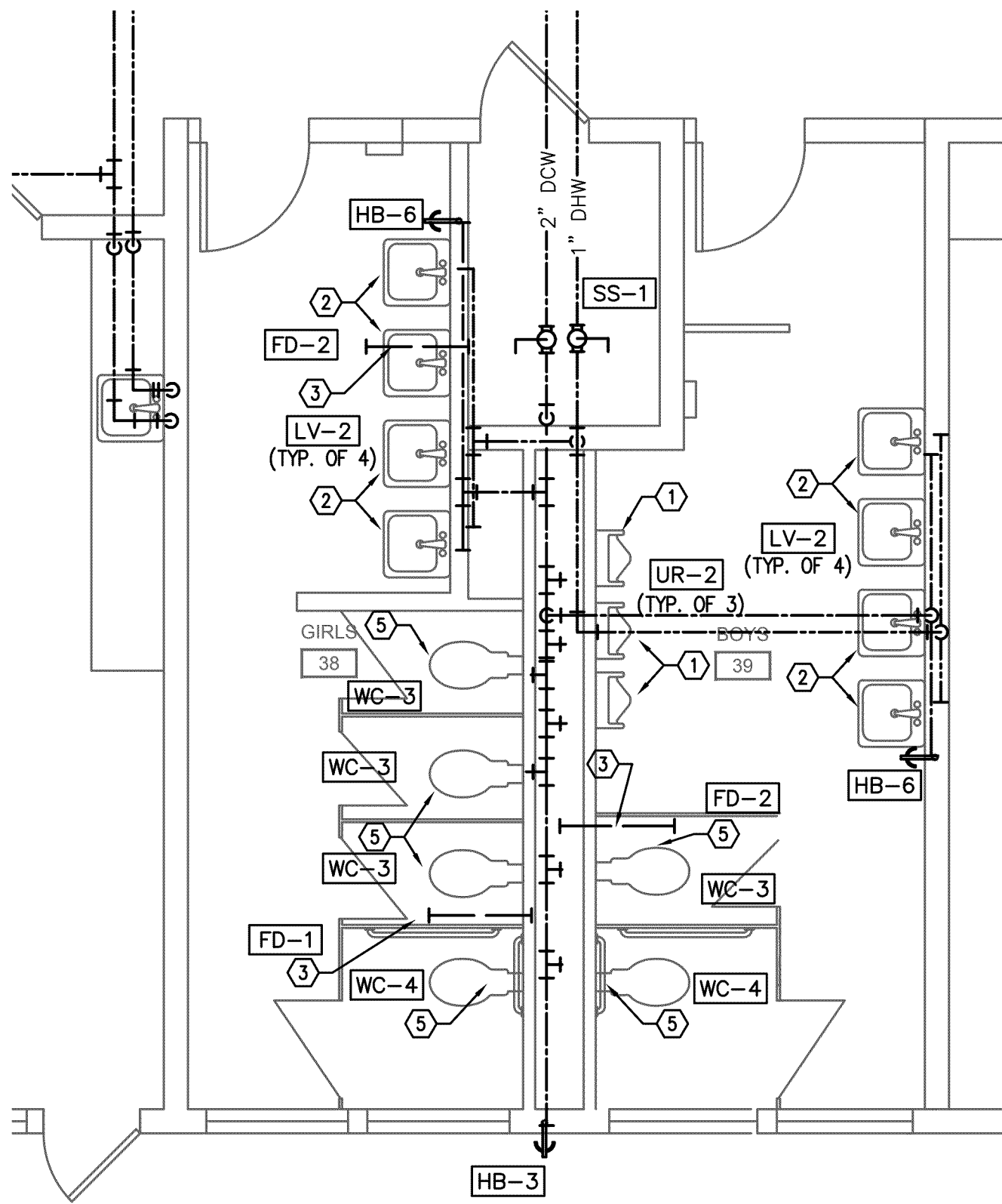
KEY PLAN

SHEET TITLE

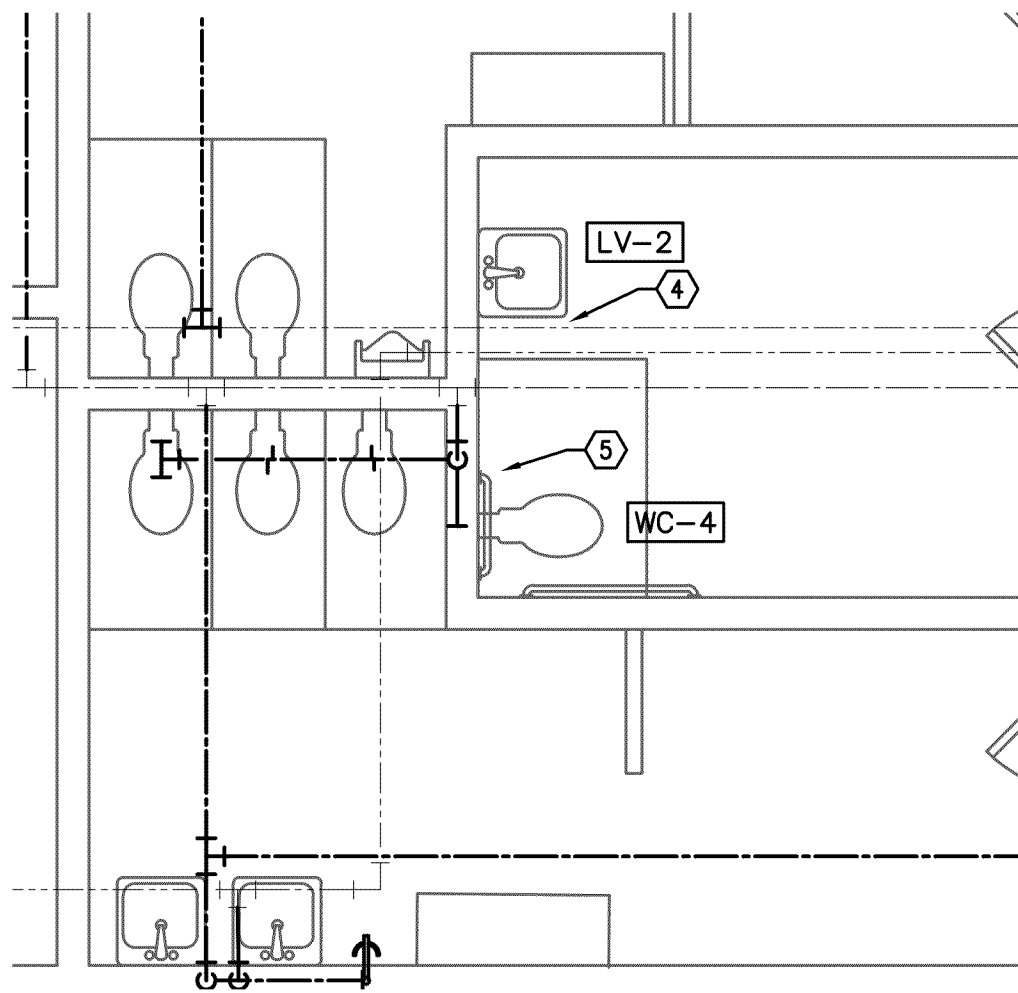
2019 Bond: Critical Facilities Upgrades
REPIPE AND REMODEL
LIBERTY ELEMENTARY SCHOOL
2345 LIBERTY ST. SW
ALBANY, OR 97321

SHEET TITLE
PLUMBING
FLOOR
PLAN

DRAWN BKG	SHEET
JOB NO.	P2.2
DATE 9/10/19	5 OF 10



1 RESTROOM 38 & 39 PLUMBING PLAN
P3.1 SCALE: 1/4" = 1'-0"



2 JANITOR 36 PLUMBING PLAN
P3.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES

- EXCEPT AS NOTED, REMOVE ALL EXISTING EXPOSED AND ACCESSIBLE (IN CHASES) DOMESTIC WATER LINES.
- ALL PIPING IN CORRIDORS, CLASSROOMS, OFFICES, STORAGE ROOMS, AND SIMILAR OCCUPIED AREAS SHALL BE CONCEALED WITHIN THE WALL.
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- IN CASES WHERE THE PIPING WILL BE EXPOSED, CARE SHALL BE TAKEN TO ENSURE A NEAT AND WORKMANLIKE INSTALLATION.
- SEE DETAILS P6.2-P6.3 FOR TYPICAL FIXTURE CONNECTION REQUIREMENTS.
- VERIFY PIPING ROUTE WITH OWNERS REPRESENTATIVE PRIOR TO BEGINNING WORK.
- PROVIDE LABELS ON ACCESSIBLE CEILING TILE @ LOCATION OF VALVES ABOVE CEILINGS.
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- RECONNECT ALL TRAP PRIMER VALVES
- ALL FIXTURE STUBOUTS SHALL BE SECURELY ANCHORED

KEYED NOTES:

- CONNECT NEW URINAL AT EXISTING LOCATIONS
- EXTEND WASTE, VENT, AND SUPPLY LINES IN WALL TO NEW LAVATORIES.
- CONNECT NEW FLOOR DRAIN TO EXISTING WASTE LINE
- PROVIDE NEW LAVATORY AT NEW LOCATION. EXTEND WASTE, VENT, AND SUPPLY LINES IN WALL TO NEW LOCATION
- PROVIDE NEW WATER CLOSET AT NEW LOCATION. RECONNECT TO EXISTING WASTE AND SUPPLY

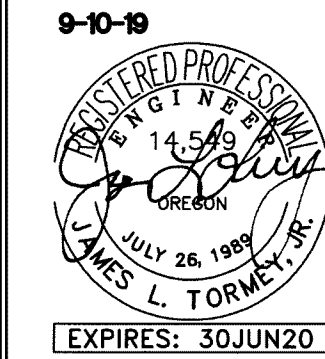
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KEY PLAN

SHEET TITLE

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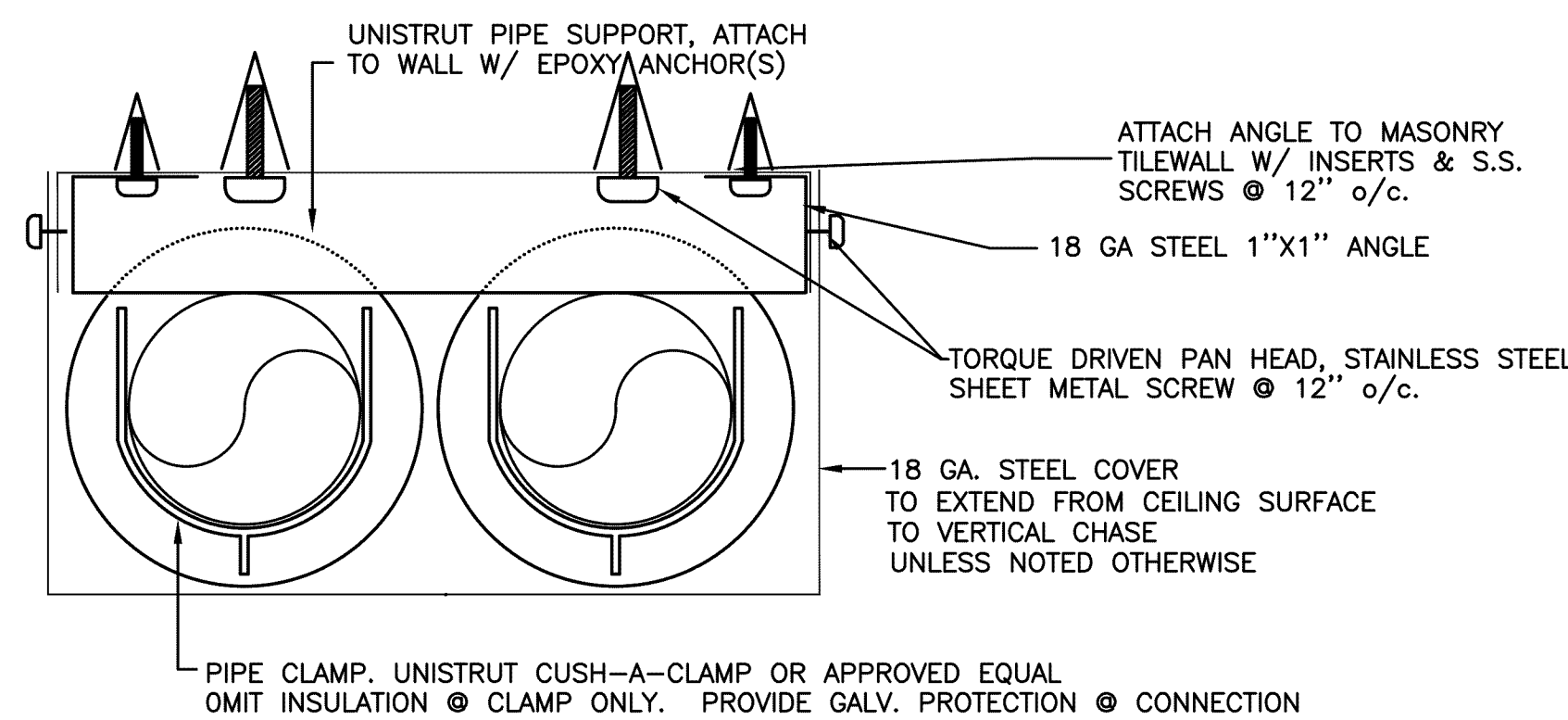
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ENLARGED
PLUMBING
FLOOR PLAN

DRAWN BKG	SHEET
JOB NO.	P3.1
DATE 9/10/19	6 OF 10

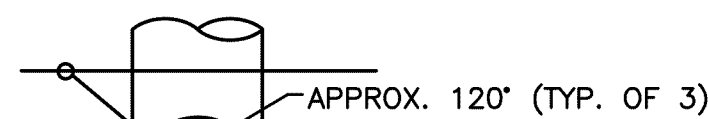


3 P6.1 PIPE COVER HORIZONTAL SECTIONSCALE: DETAIL

V.L. - VENTED LINE
EXISTING FIXTURES TO REMAIN. PROVIDE NEW STOPS AT ALL FIXTURES.



4 P6.1 PIPE COVER VERTICAL SECTIONSCALE: DETAIL



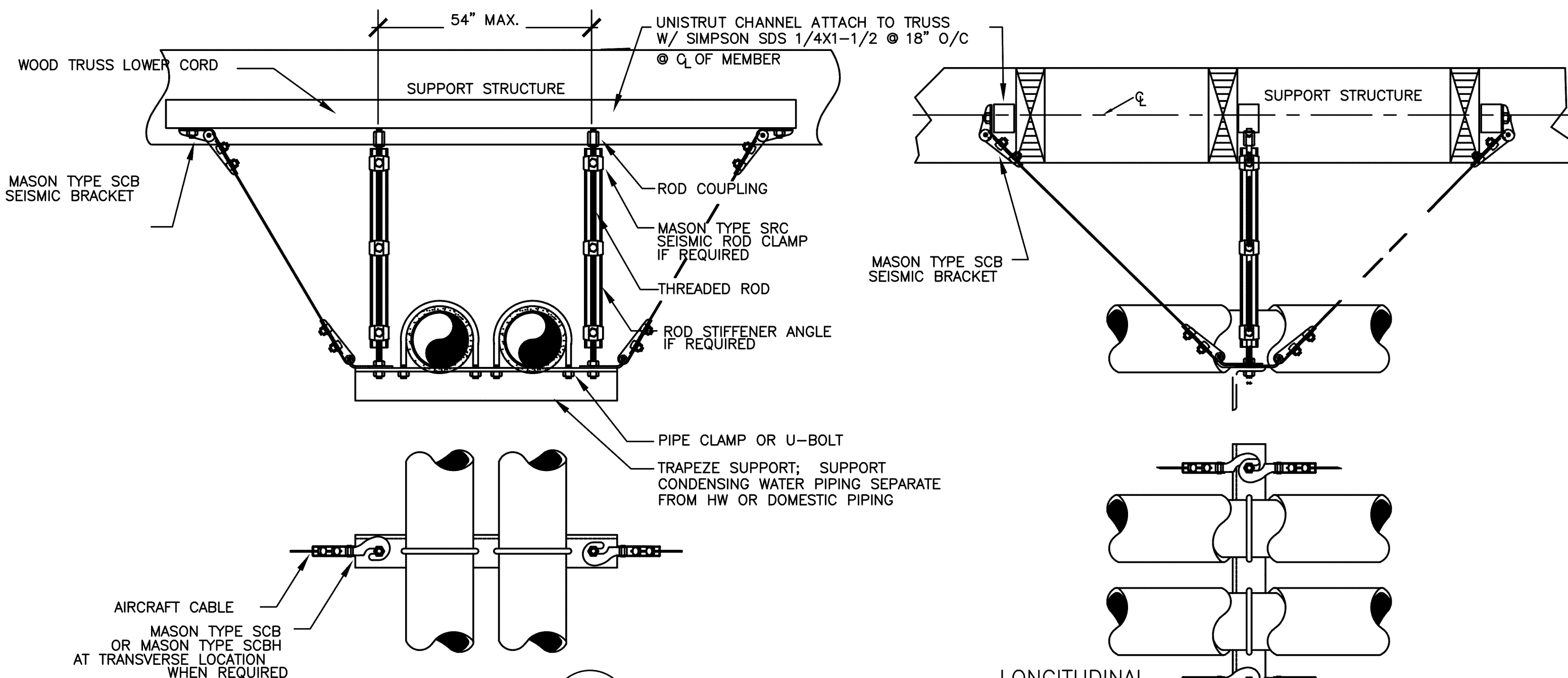
TOP VIEW

NOTES

- ① - 1/4" GALV. THREADED EYE BOLT @ CENTER OF WOOD MEMBER (TYP. OF 3). FOR 2 GIRT USE MACHINE THREAD EYE BOLT W/ JAMB NUT & 1/4" WASHER @ EACH SIDE OF GIRT

- FOR SINGLE 1-1/2" TO 3" STEEL LINES, LINES SMALLER THAN 1-1/2", OMIT SUPPORT WIRE.
- FOR SINGLE 2" COPPER LINES, LINES SMALLER THAN 2", OMIT SUPPORT WIRES.
- FOR PEX OR CPVC REFER TO DETAIL 5/P6.1
- FOR LINES LARGER THAN THOSE LISTED ABOVE REFER TO DETAIL 2/P6.1

1 PIPE SUPPORT
P6.1 SCALE: DETAIL










LATERAL

2 PIPE SUPPORT
P6.1 SCALE: DETAIL





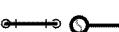








PLUMBING LEGEND

ARCH	.....	ABOVE FINISHED FLOOR
ARCH	.....	ARCHITECTURAL
B.G.	.....	BELOW GRADE
BTU	.....	BRITISH THERMAL UNIT
CAP.	.....	CAPACITY
C.I.	.....	CAST IRON
COMP.	.....	COMPARTMENT
CONT.	.....	CONTINUATION
CU.	.....	CUBIC
DF	.....	DRINKING FOUNTAIN
DI	.....	DIONIZED (WATER)
DIA.	.....	DIAMETER
ELEV.	.....	ELEVATION
EWG	.....	ELECTRIC WATER COOLER
FD	.....	FLOOR DRAIN
FDC	.....	FIRE DEPARTMENT CONNECTION
F.F.	.....	FINISH FLOOR
FLG.	.....	FLANGE
FT	.....	FOOT / FEET
G	.....	GAS
GA.	.....	GAUGE
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
RPBF	.....	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


— — — — — (DCW) COLD WATER
 — — — — — (DHW) HOT WATER
 — — — — — (DHC) HOT WATER RECIRC
 →Λ→Λ (HT) HOT WATER HEAT TRACED
 — — — — — (W) BELOW GRADE WASTE
 — — — — — (W) ABOVE GRADE WASTE
 — V — V — (V) VENT
 — F — (F) FIRE WATER


----- (D) DEMOLISH, (R) RELOCATE
 _____ (E) EXISTING
 _____ (N) NEW WORK

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

SEISMIC BRACING

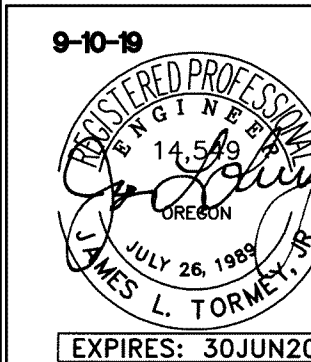
 LATERAL BRACING

 LONGITUDINAL BRACING

 LONGITUDINAL & LATERAL BRACING

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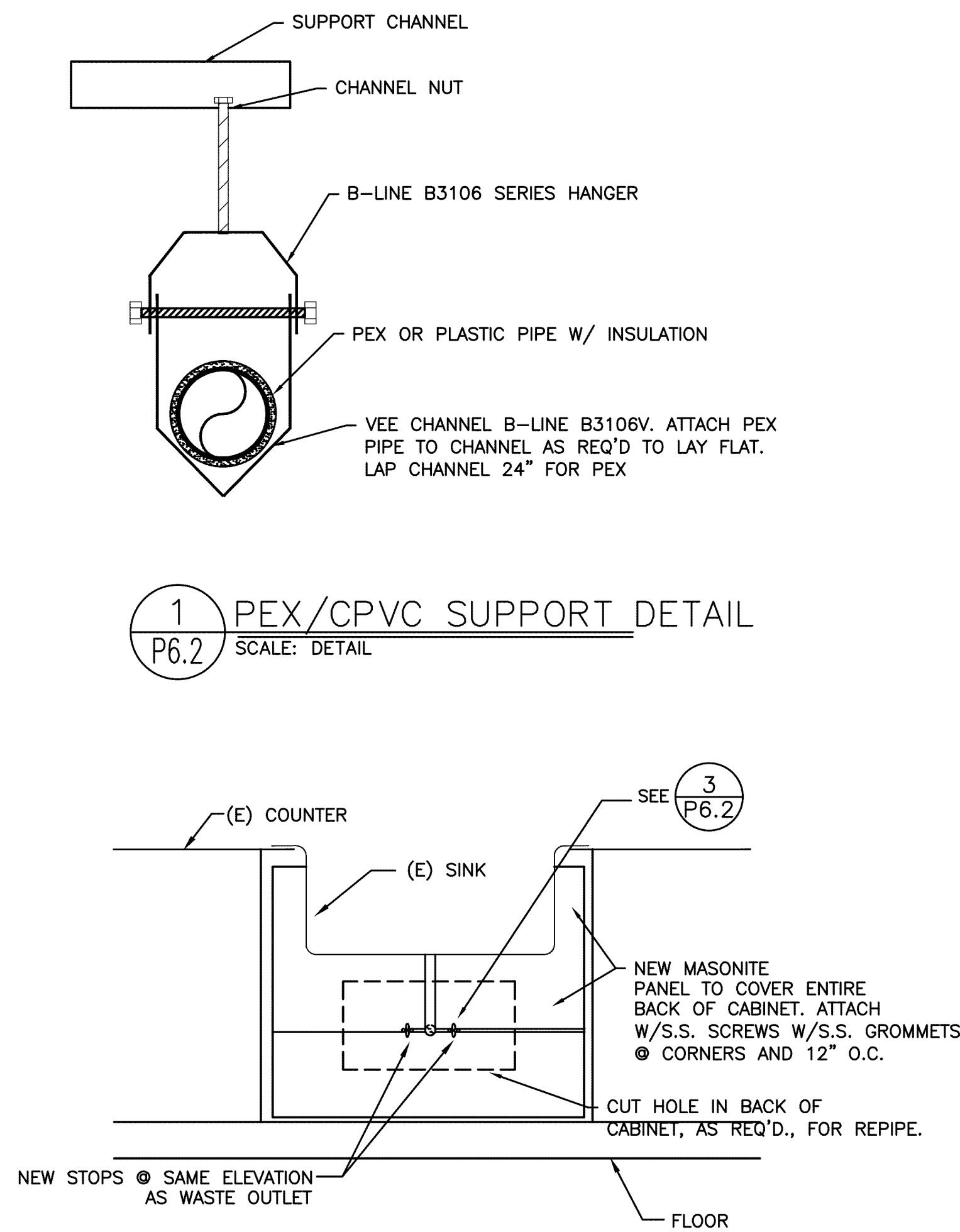


KEY PLAN

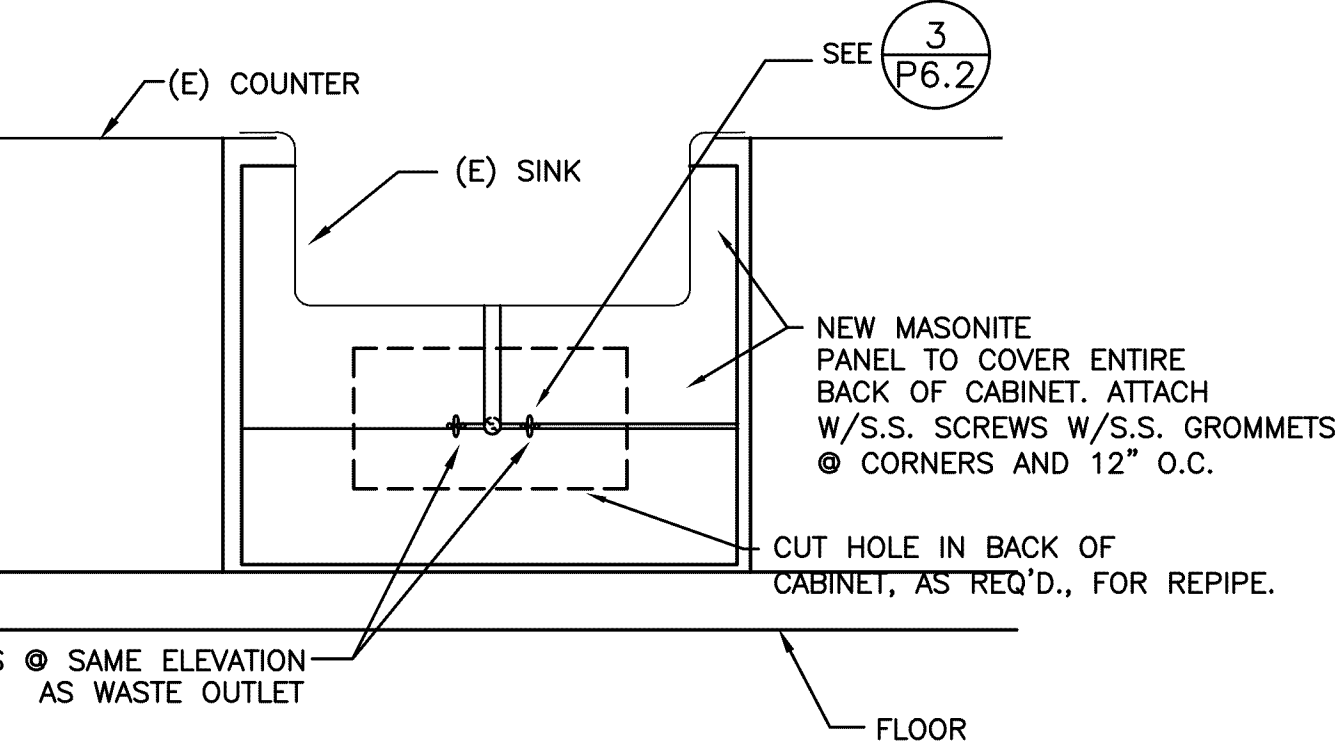
SHEET TITLE

SHEET TITLE
PLUMBING
SCHEDULES AND
DETAILS

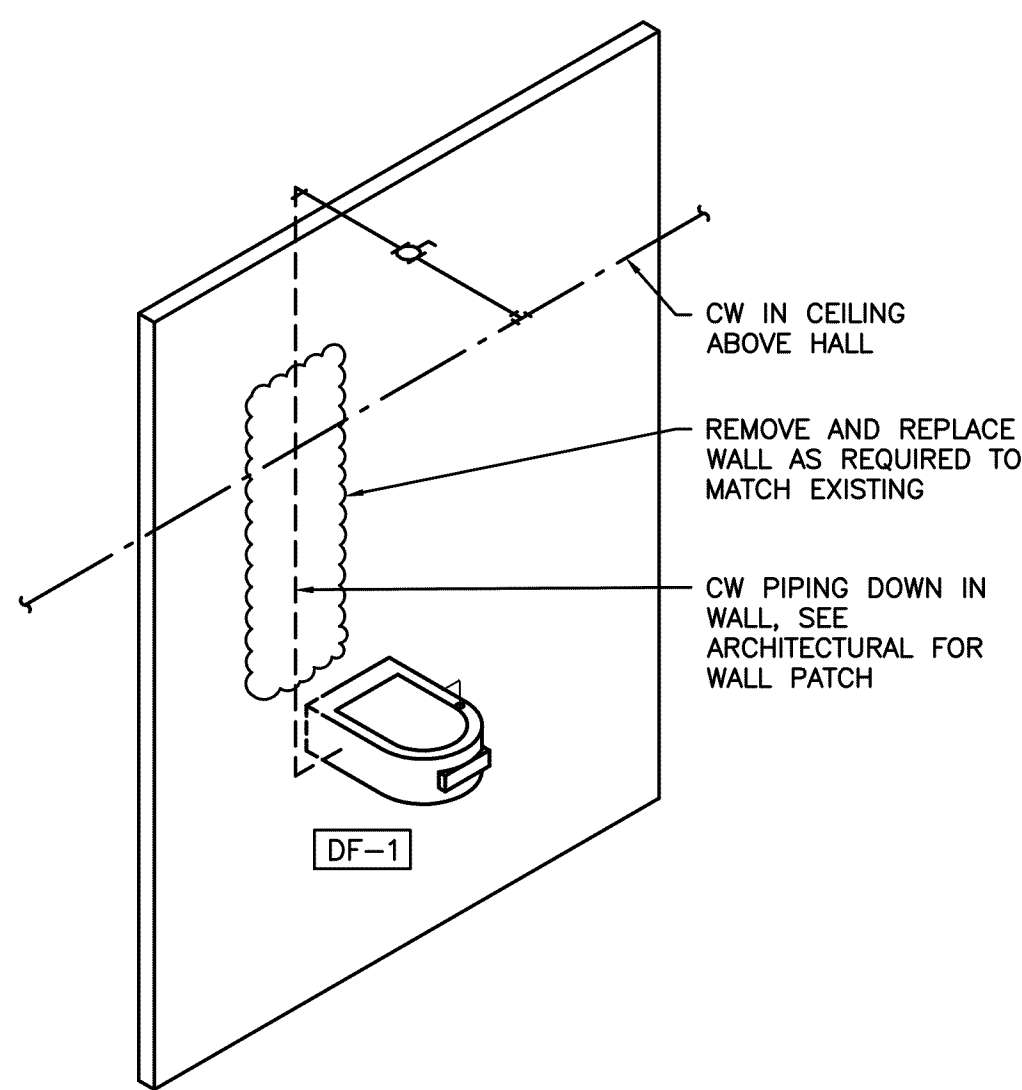
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DATE 9/10/19	



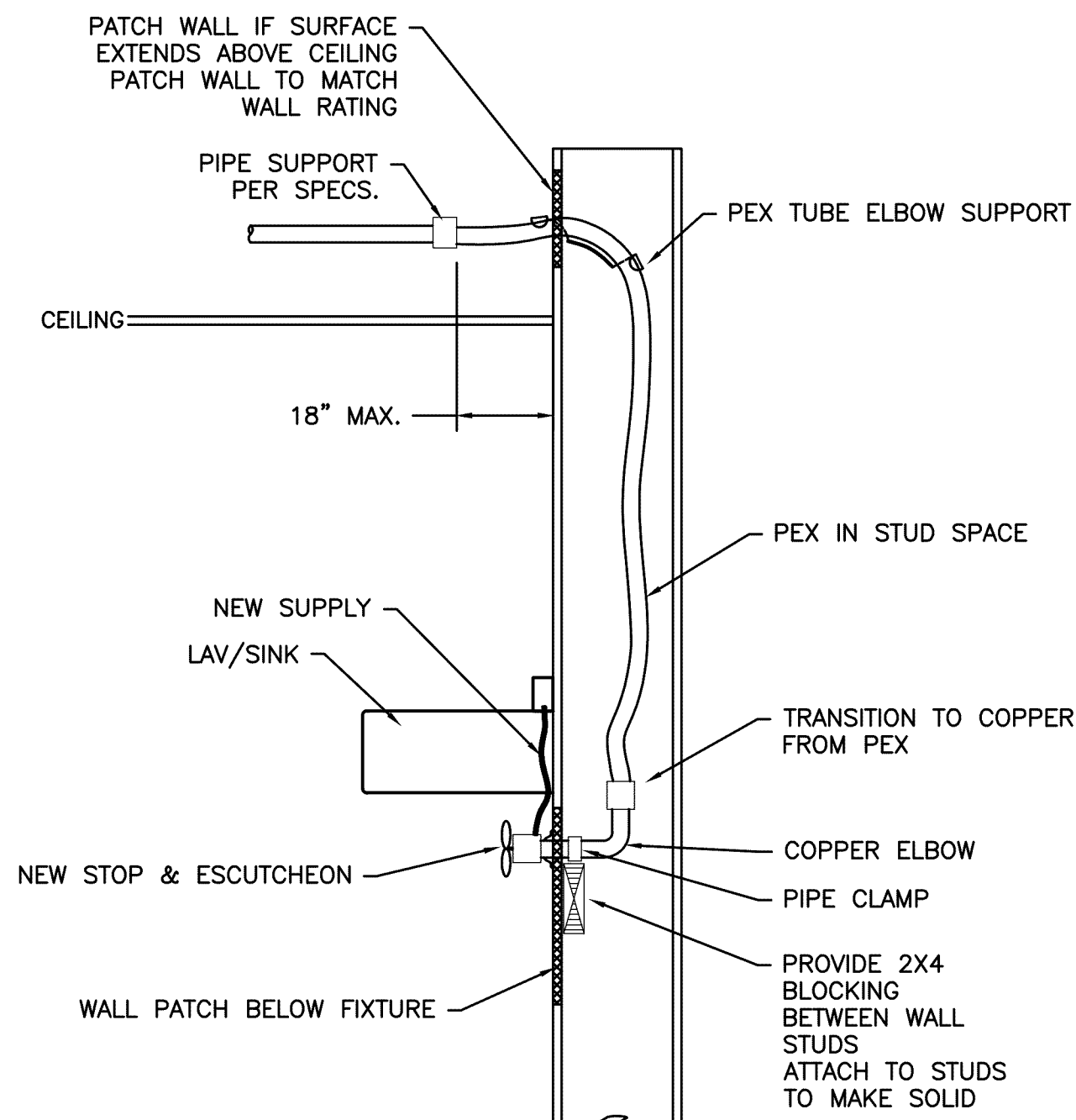
1 PEX/CPVC SUPPORT DETAIL
SCALE: DETAIL



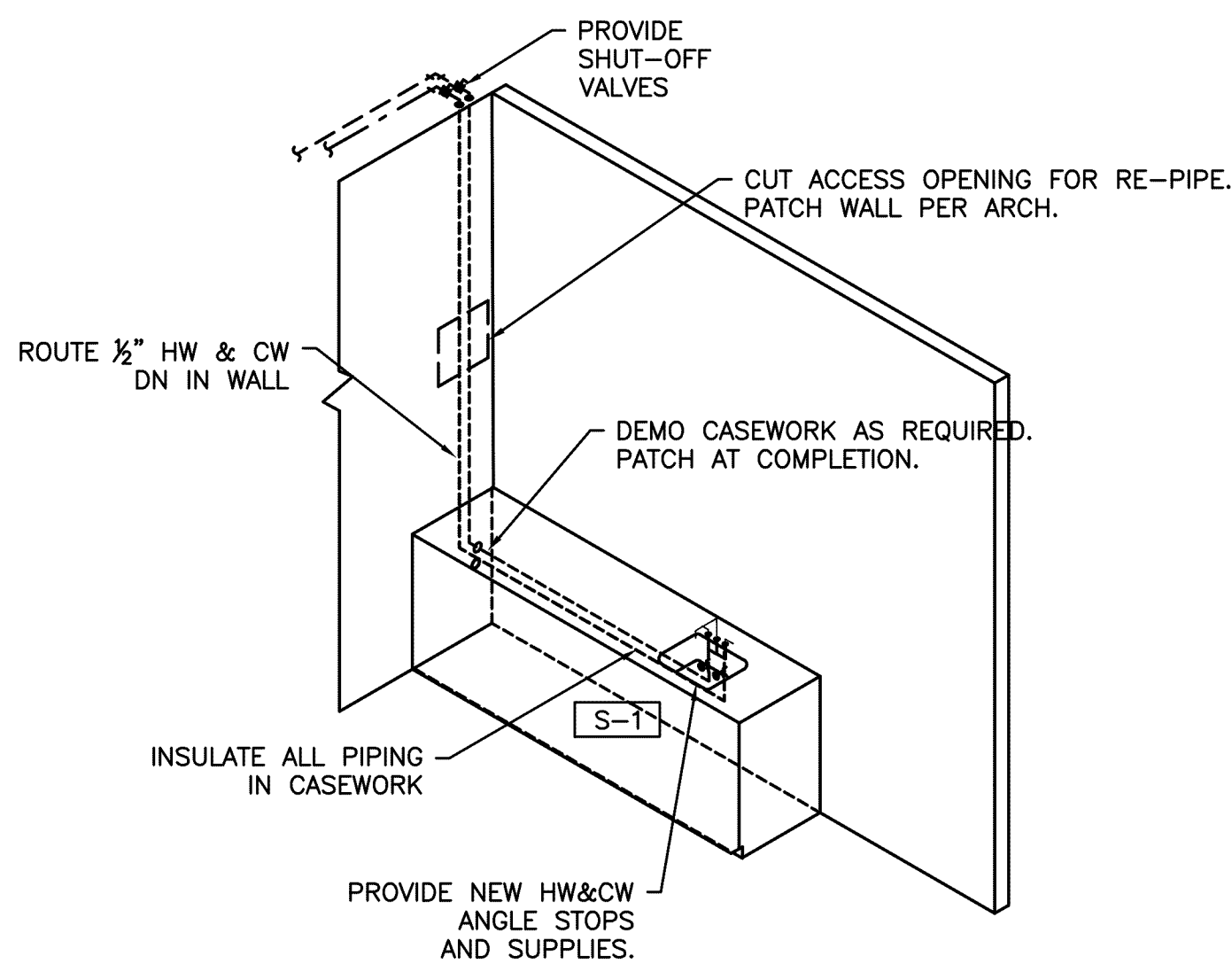
2 PATCH
SCALE: DETAIL



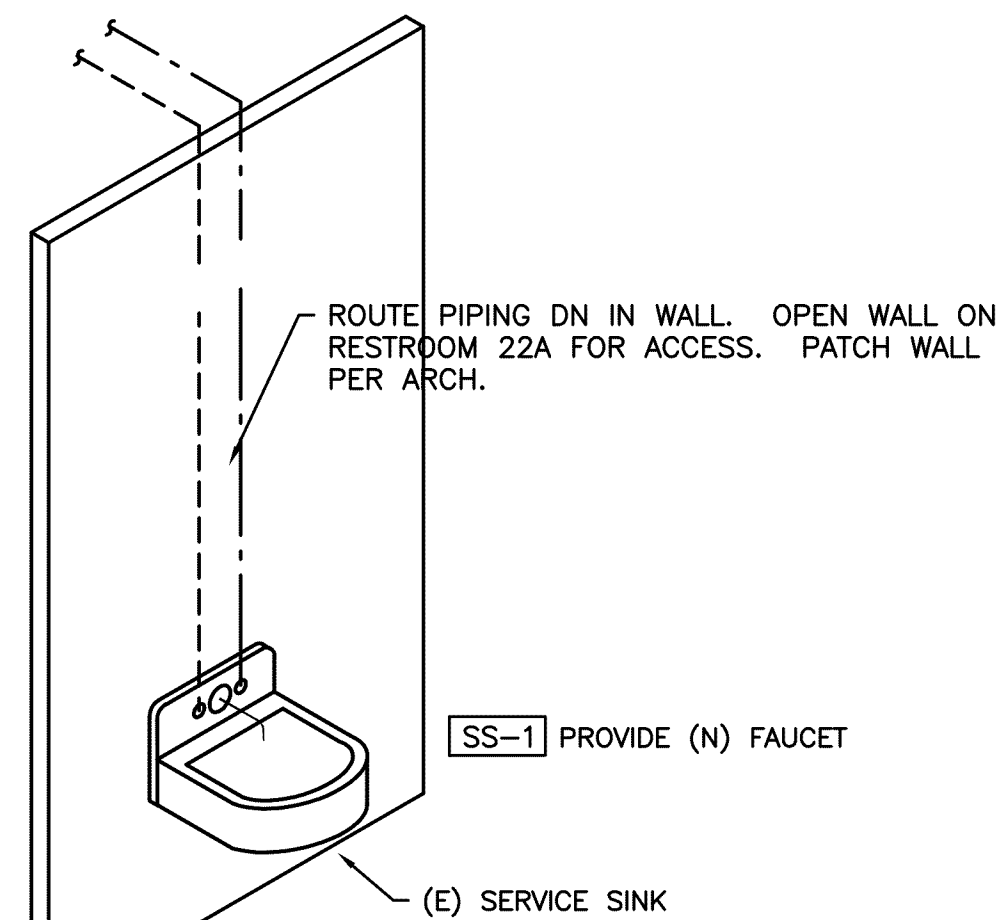
5 DRINKING FOUNTAIN PIPING
SCALE: DETAIL



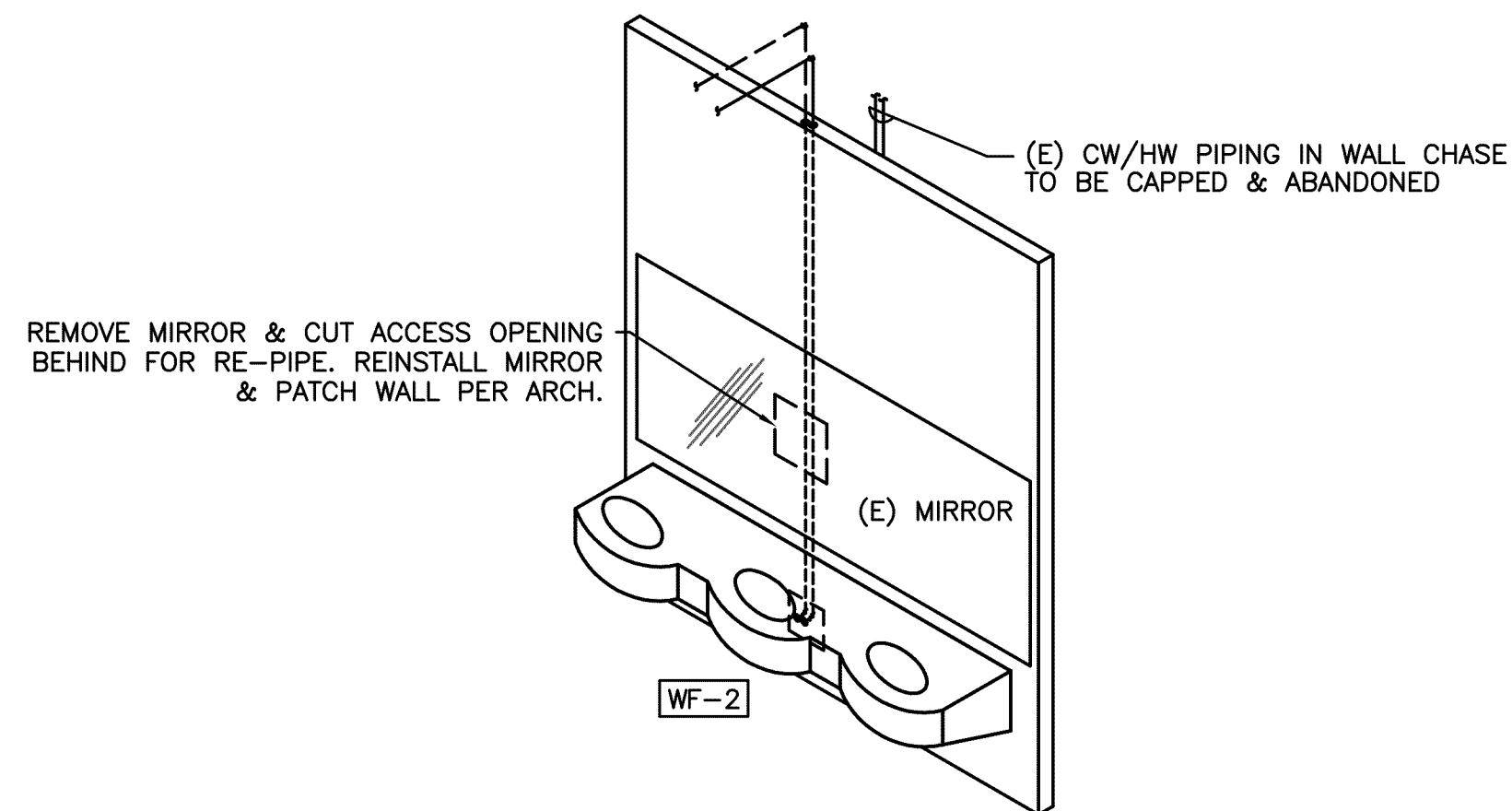
3 TYPICAL PEX DETAIL
SCALE: DETAIL



6 SINK 'S-1' PIPING
SCALE: DETAIL



4 SERVICE SINK 'SS-1' PIPING
SCALE: DETAIL



7 WASH FOUNTAIN
SCALE: DETAIL

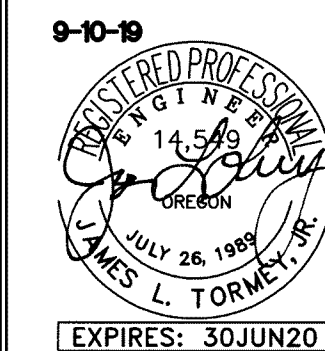
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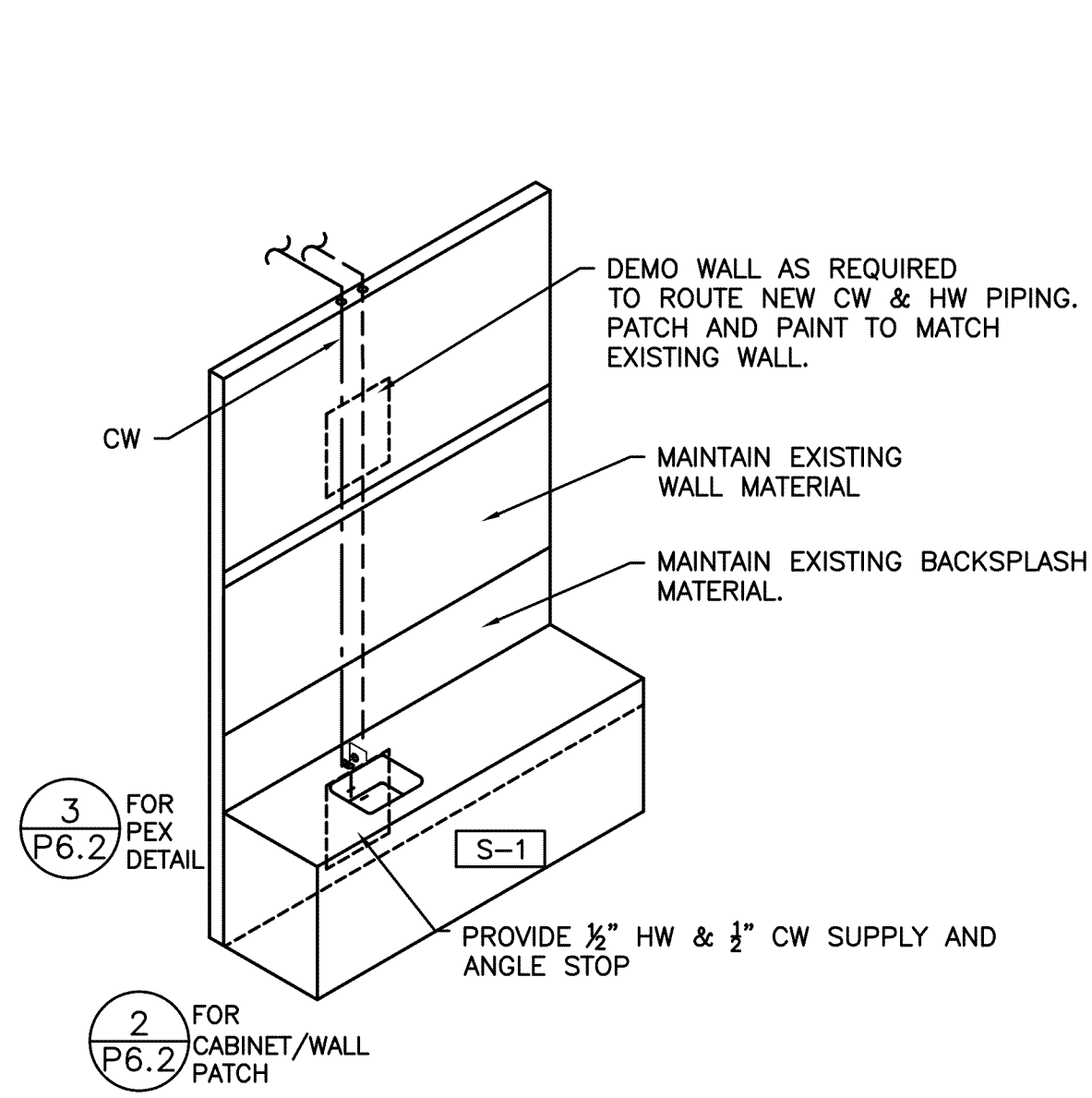
SHEET TITLE

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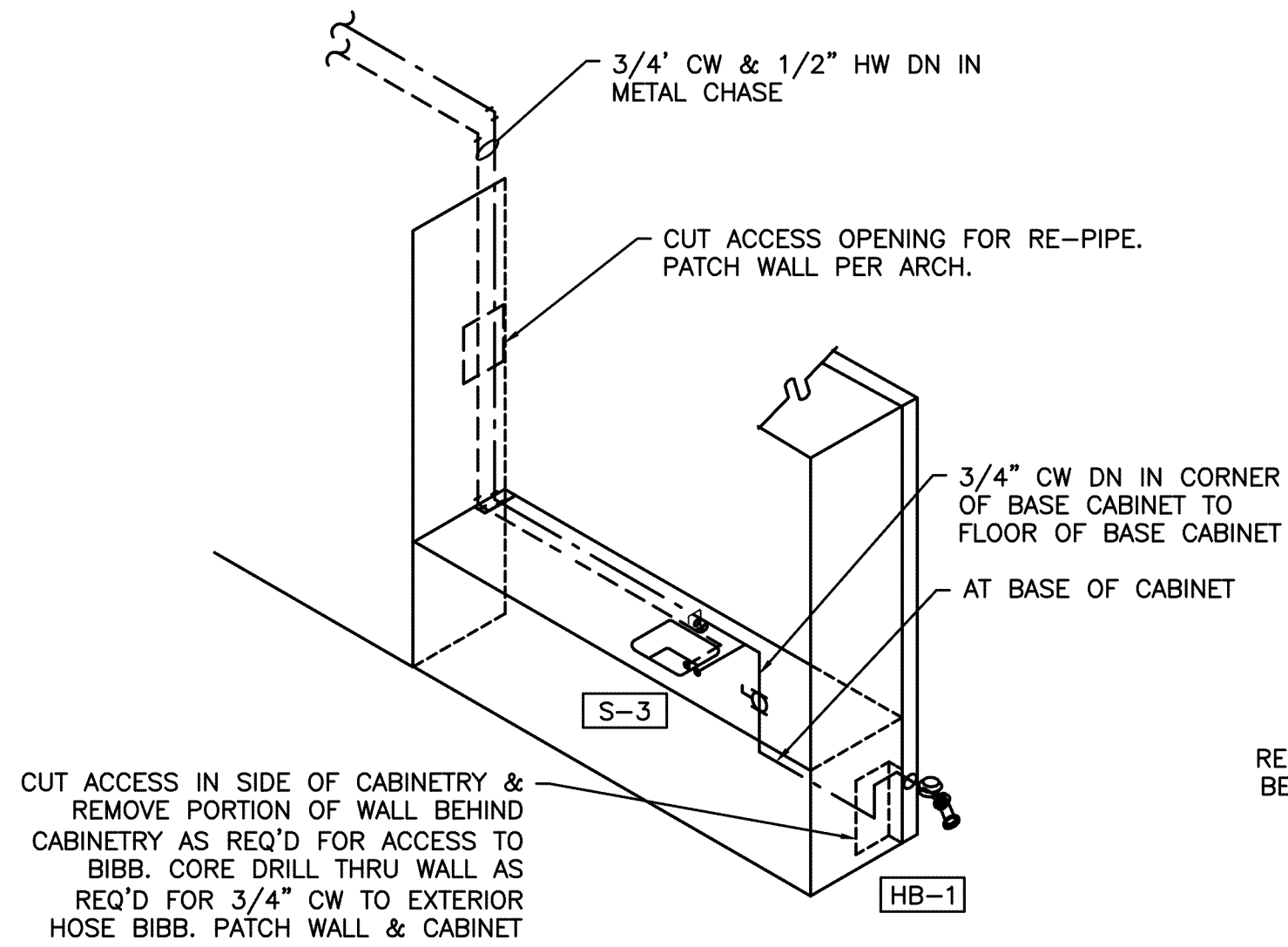
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REPIPE AND REMODEL
LIBERTY ELEMENTARY SCHOOL
2345 LIBERTY ST. SW

SHEET TITLE
PLUMBING DETAILS

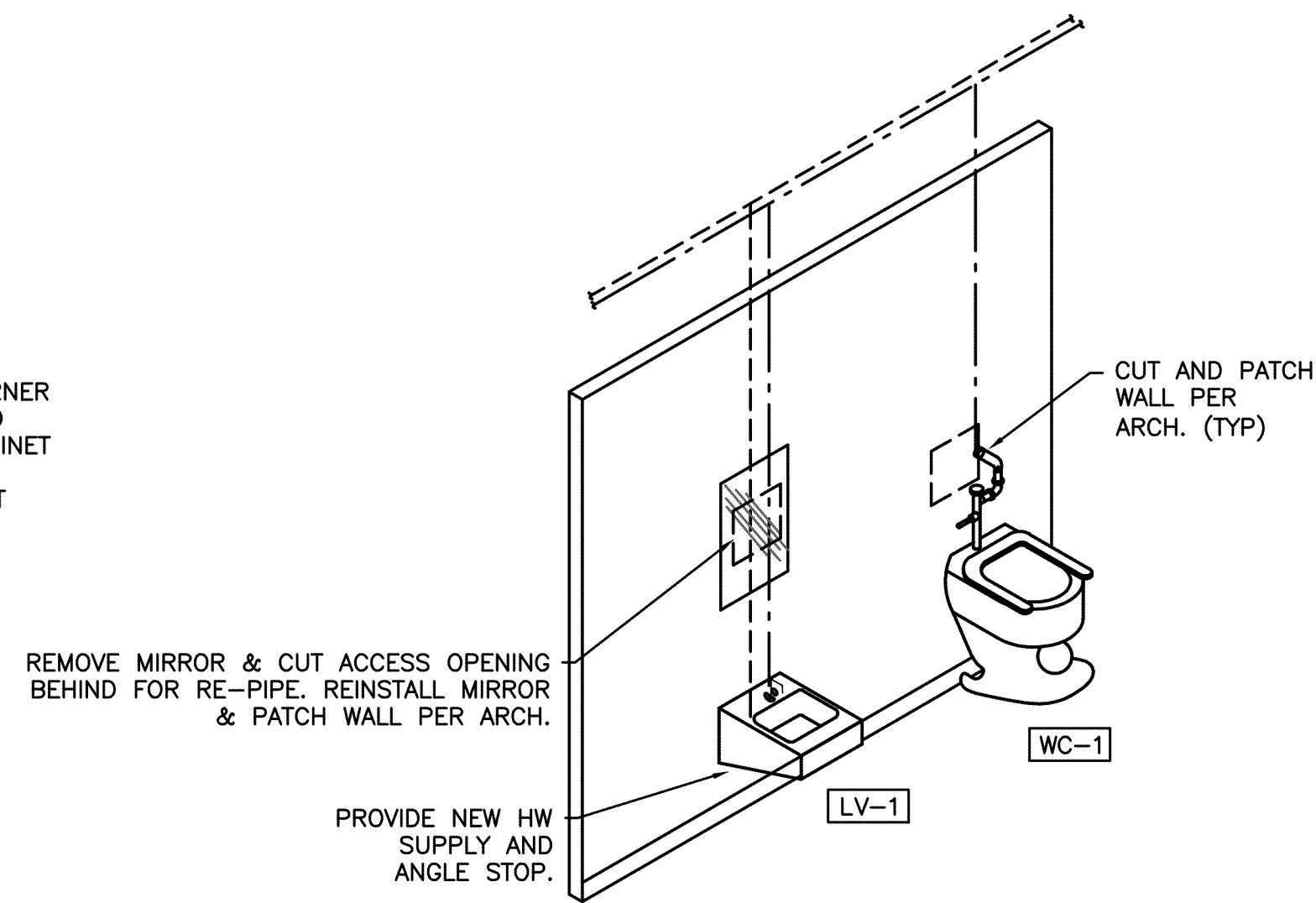
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JOB NO.	P6.2
DATE 9/10/19	8 OF 10



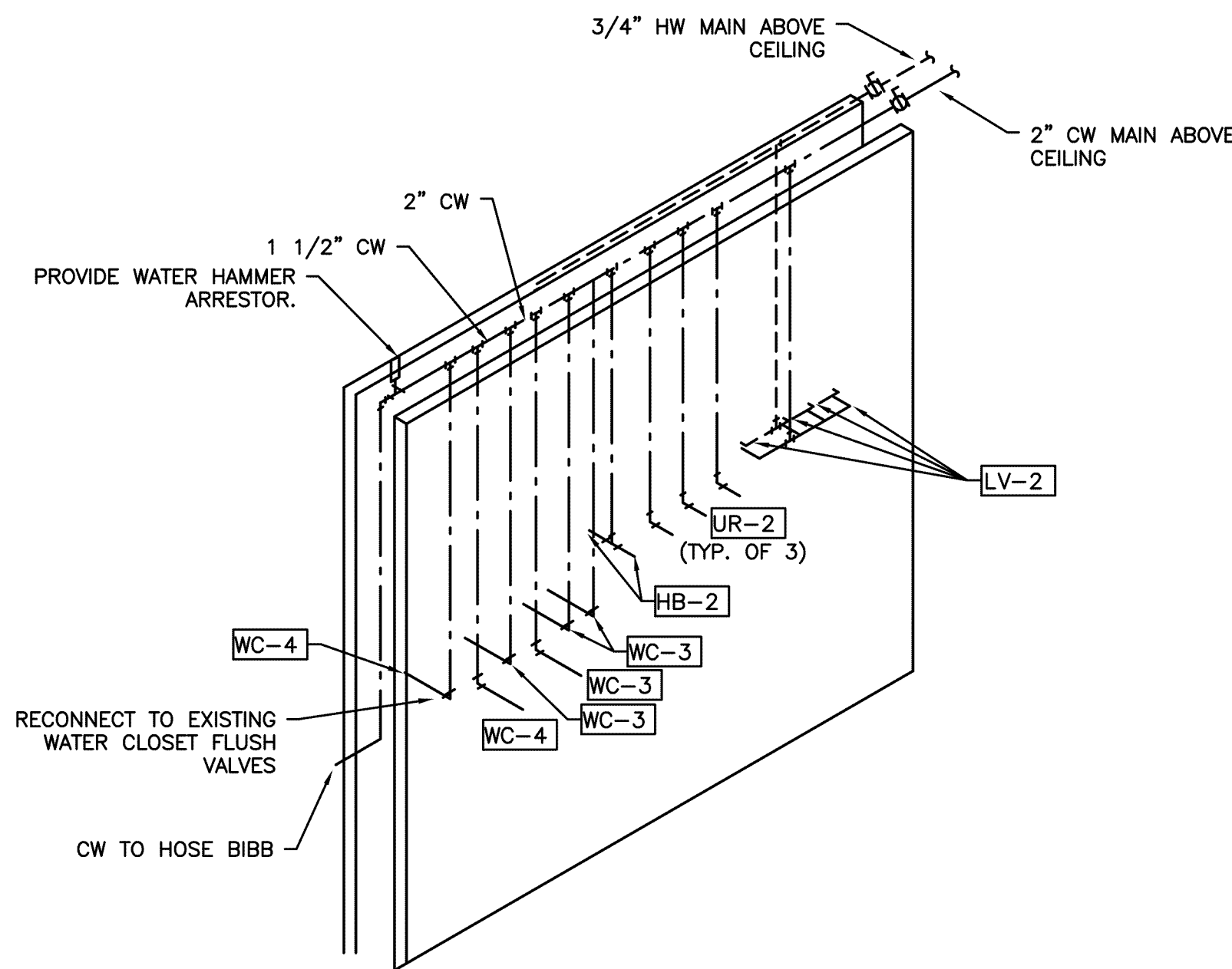
1 SINK PIPING DETAIL
SCALE: DETAIL



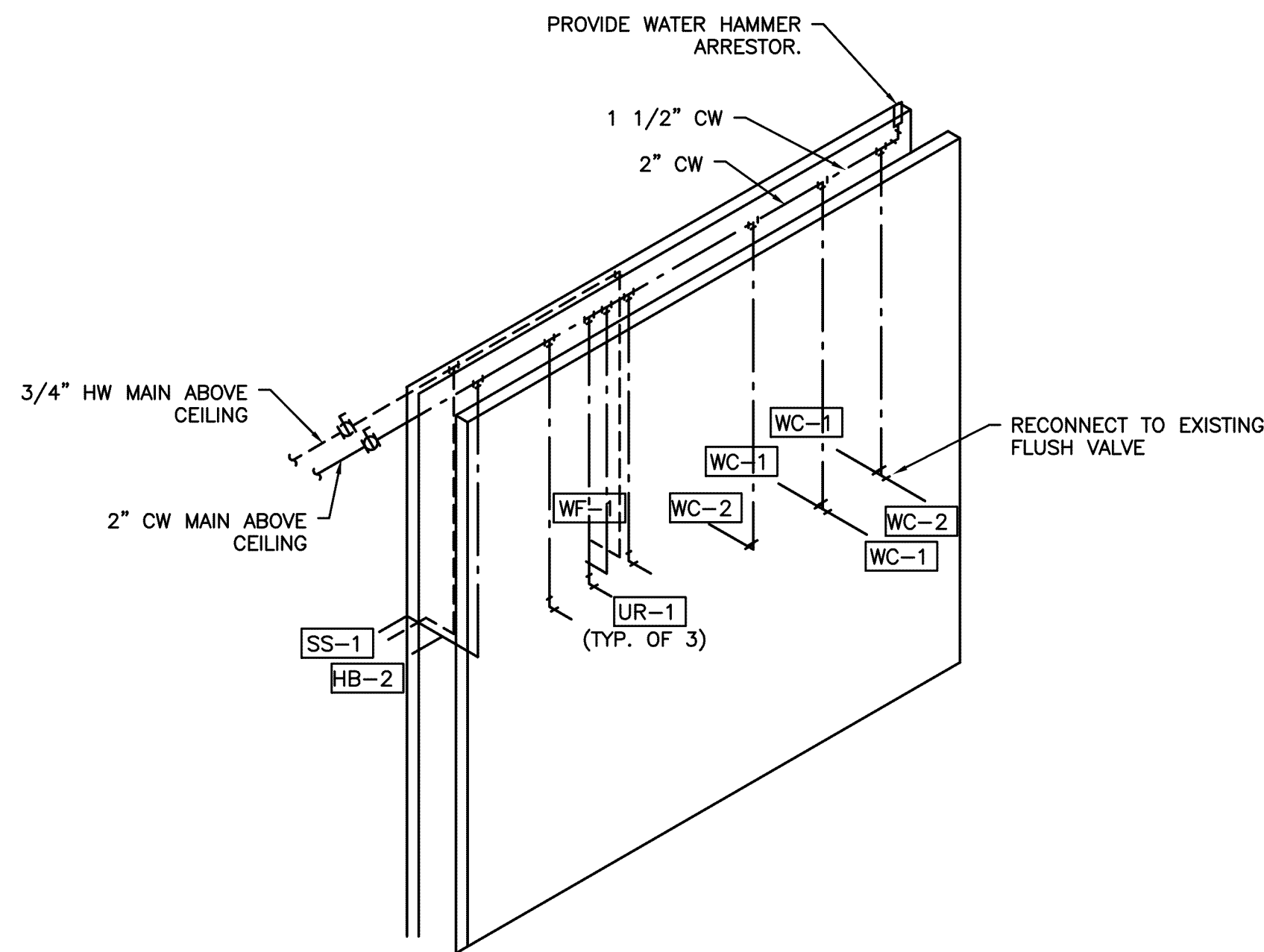
2 SINK AND HOSE BIBB
SCALE: DETAIL



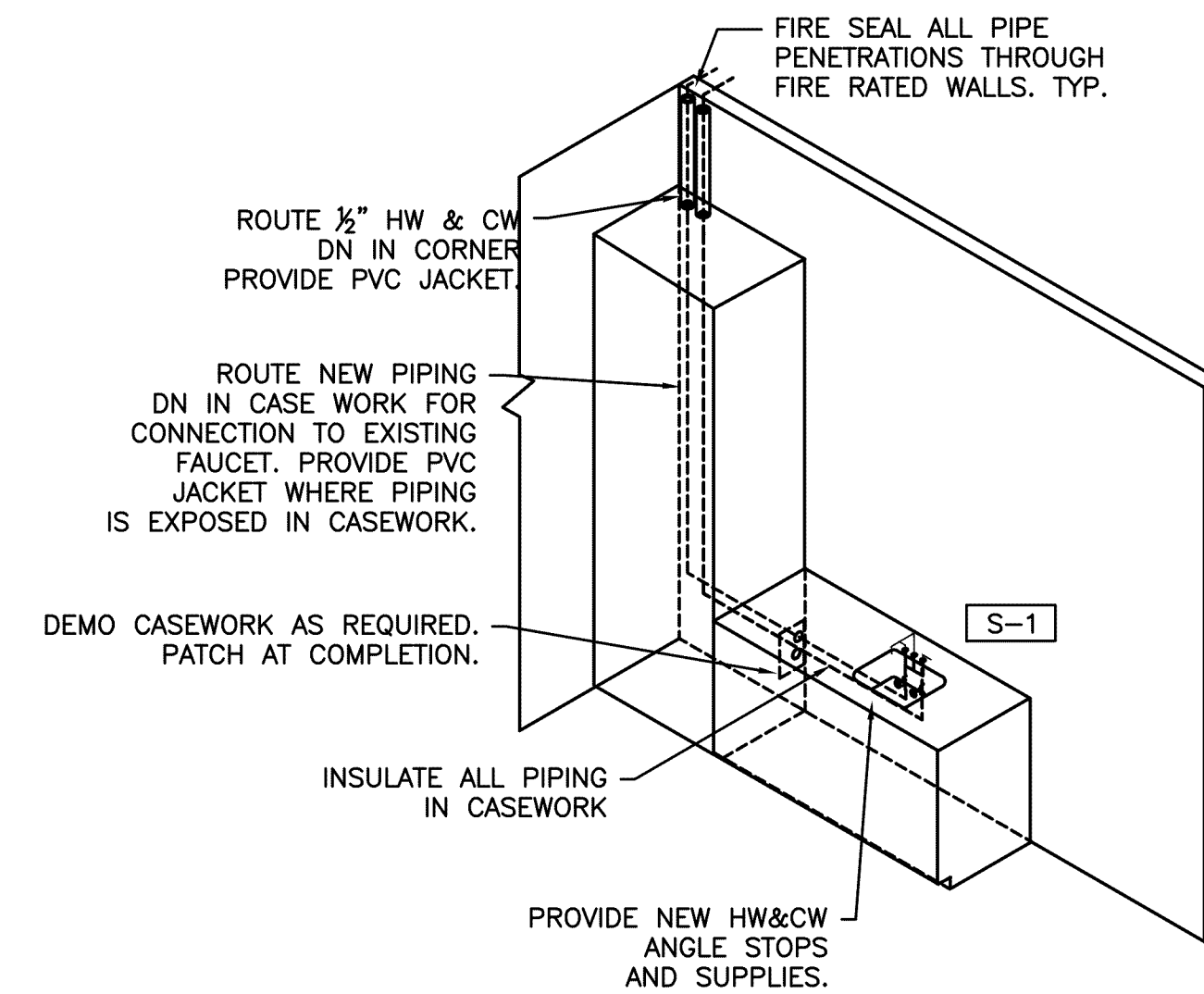
3 SINGLE RESTROOM PIPING
SCALE: DETAIL



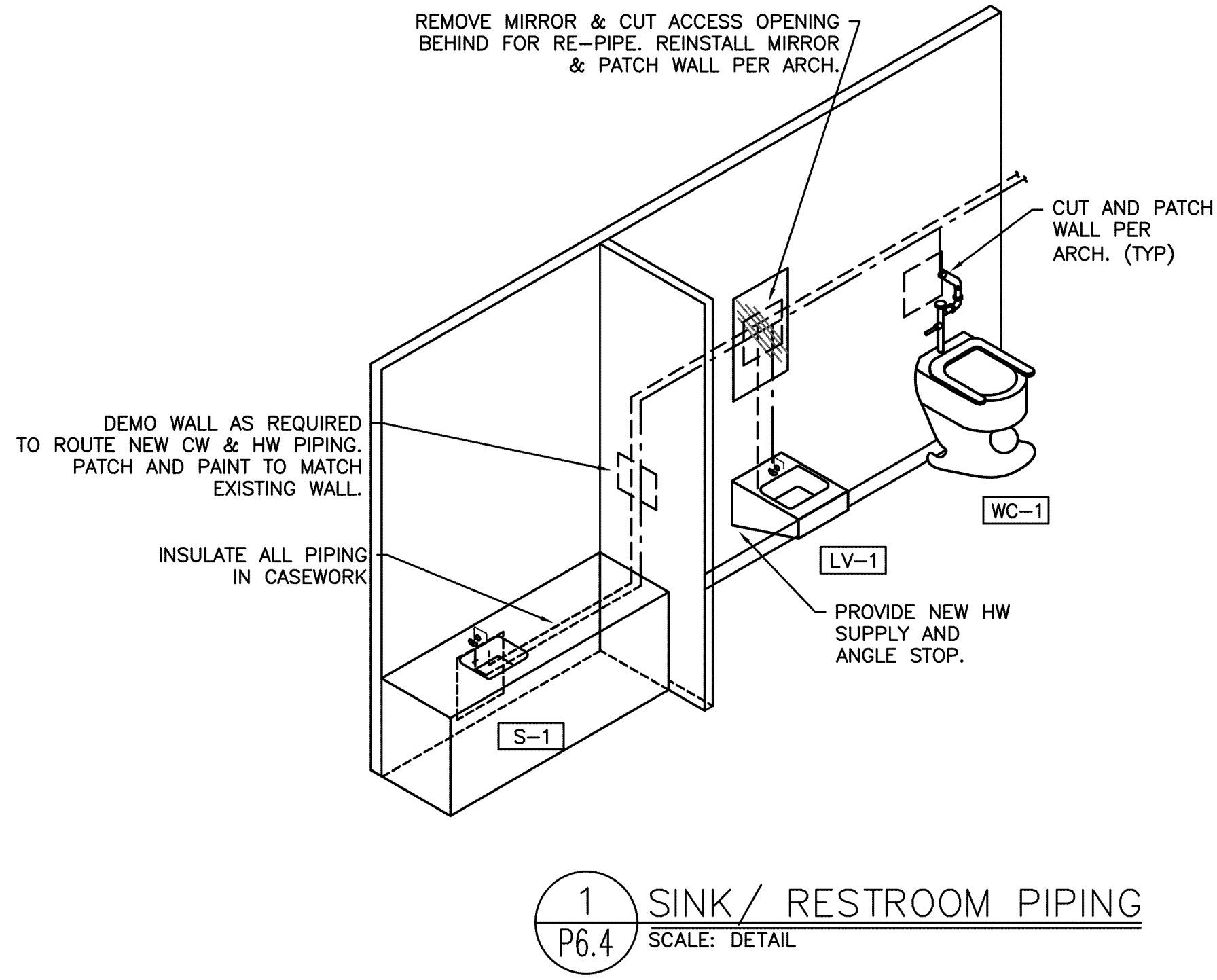
4 RESTROOM 38&39 DISTRIBUTION PIPING
SCALE: DETAIL



5 RESTROOM 23&24 DISTRIBUTION PIPING
SCALE: DETAIL



6 SINK 'S-1'
SCALE: DETAIL



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KEY PLAN

SHEET TITLE

2019 Bond: Critical Facilities Upgrades
REPIPE AND REMODEL
LIBERTY ELEMENTARY SCHOOL
2345 LIBERTY ST. SW
ALBANY, OR 97321

SHEET TITLE
PLUMBING DETAILS

DRAWN BKG	SHEET
JOB NO.	P6.4
DATE 9/10/19	10 OF 10