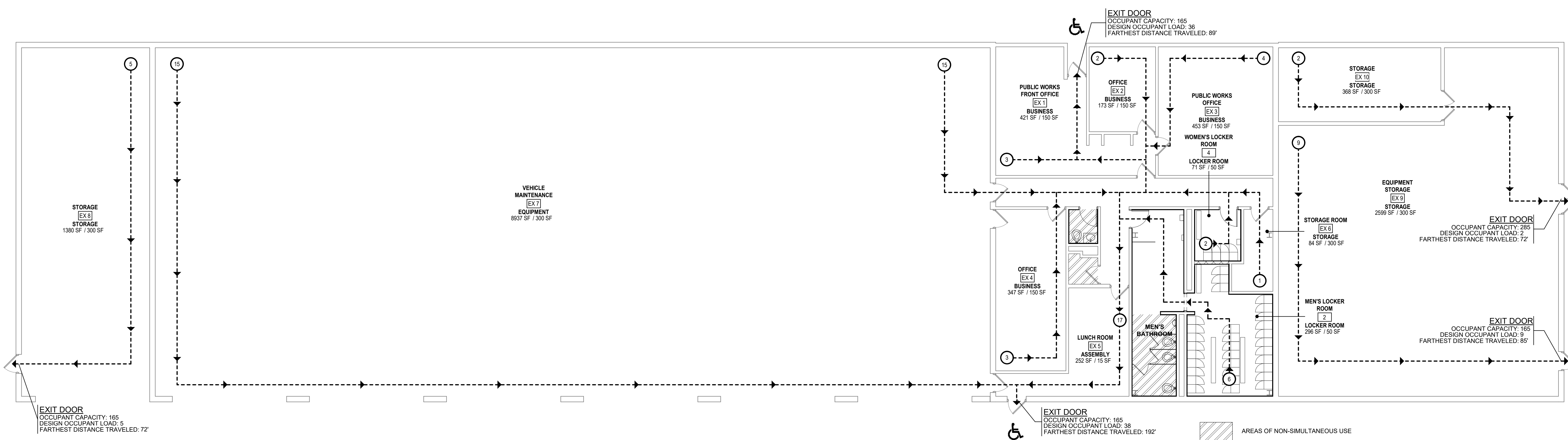


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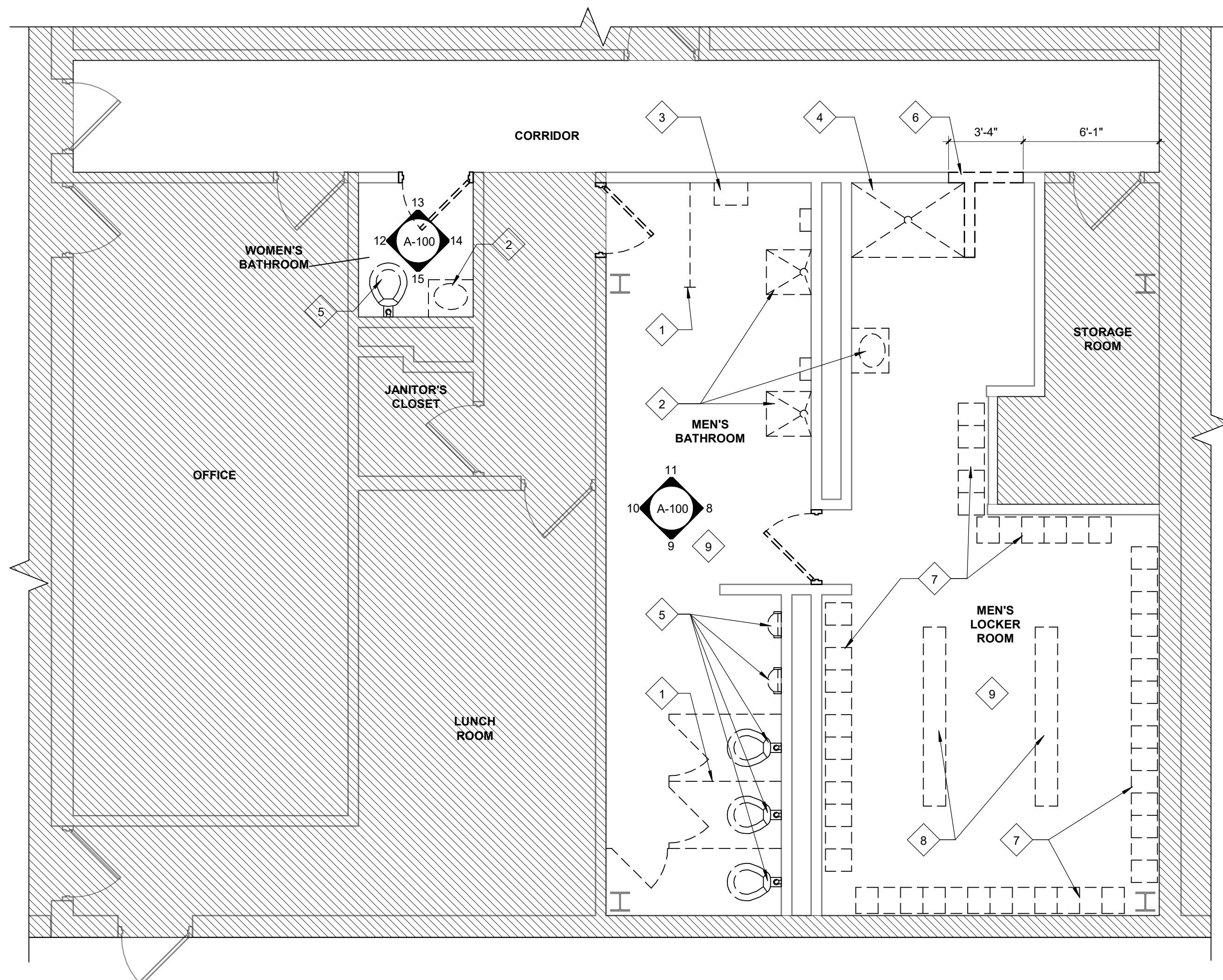
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1 FIRST FLOOR EGRESS PLAN
SCALE: 1/8" = 1'-0"



2 FIRST FLOOR DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

- EXISTING TO REMAIN**
TO BE REMOVED
AREAS NOT IN CONTRACT
- SELECTIVE DEMOLITION LEGEND:**
- 1 REMOVE EXISTING PARTITION
 - 2 REMOVE EXISTING SINK, CUT BACK AND CAP PLUMBING LINES
 - 3 REMOVE EXISTING EYEWASH STATION, PAPER TOWEL DISPENSORS, ANY OTHER WALL MOUNTED ACCESSORIES, AND RETURN TO OWNER.
 - 4 REMOVE EXISTING SHOWER INSERT, CUT BACK AND CAP PLUMBING LINES
 - 5 REMOVE EXISTING URINALS AND WATER CLOSETS, PREPARE PLUMBING FOR NEW WORK
 - 6 REMOVE EXISTING CMU WALL
 - 7 REMOVE EXISTING LOCKERS, PROVIDE TO OWNER
 - 8 REMOVE EXISTING BENCH
 - 9 REMOVE LIGHT FIXTURES AND MECHANICAL DUCTWORK AS REQUIRED
- GENERAL DEMOLITION NOTES:**
1. CONTRACTOR MUST INSTALL AND MAINTAIN PLASTIC DUST BARRIERS DURING DEMOLITION AND CONSTRUCTION TO PROTECT THE GENERAL PUBLIC FROM DUST AND FUMES. LOCATE PARTITIONS REQUIRED TO PROTECT ADJACENT AREAS AND EQUIPMENT, AND CONTINUE EGRESS THROUGH THE SPACE. CONTRACTOR SHALL PROVIDE TEMPORARY EXIT WAYS AS REQUIRED BY LOCAL CODE ENFORCEMENT OFFICIAL DURING CONSTRUCTION.
 2. DO NOT CONSIDER DEMOLITION AND ALTERATION NOTES TO BE ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH SPACE AND TO FULFILL THE INTENT OF THE WORK INDICATED BY THE CONTRACT DOCUMENTS. VERIFY ALL DIMENSIONS WITHIN THE CONTRACT LIMITS. BRING DEVIATIONS FROM THE CONTRACT DOCUMENTS TO THE ATTENTION OF THE ARCHITECT. THE EXTENT OF DEMOLITION AND REMOVAL INCLUDES, BUT IS NOT LIMITED TO WORK SHOWN ON THE DRAWINGS. COORDINATE W/ MECHANICAL, ELECTRICAL, PLUMBING & STRUCTURAL DRAWINGS.
 3. REMOVE ANY MISCELLANEOUS PROJECTIONS, HANGERS, BOLTS, SCREWS AND NAILS FROM EXISTING SURFACES TO REMAIN. PATCH AND PREPARE SURFACES TO RECEIVE NEW FINISH.
 4. PATCH AND REPAIR ALL ADJACENT SURFACES WHICH ARE AFFECTED BY THE DEMOLITION OR REMOVAL OF ACCESSORIES TO THEIR ORIGINAL FORM AND PREPARE FOR NEW FINISH. COORDINATE WITH FINISH DRAWINGS.
 5. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR DAILY CLEANUP OF CONSTRUCTION DEBRIS.
 6. BEFORE DEMOLITION BEGINS, CONTRACTOR SHALL COORDINATE SEQUENCE AND SCHEDULES FOR ALL WORK AND RELOCATION OR DISPOSAL OF ALL MATERIALS WITH OWNER.
 7. DEMOLITION PLANS ARE DIAGRAMMATIC. PRIOR TO SUBMITTING BID, GENERAL CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND BRING ANY AREAS IN QUESTION TO THE ATTENTION OF THE ARCHITECT.

AA

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DPW MEN'S & WOMEN'S LOCKER ROOM & RESTROOM REHABILITATION
FOR THE
TOWNSHIP OF OLD BRIDGE
CONTRACT NO. 2022-59
1 OLD BRIDGE PLAZA,
OLD BRIDGE, NJ 08857

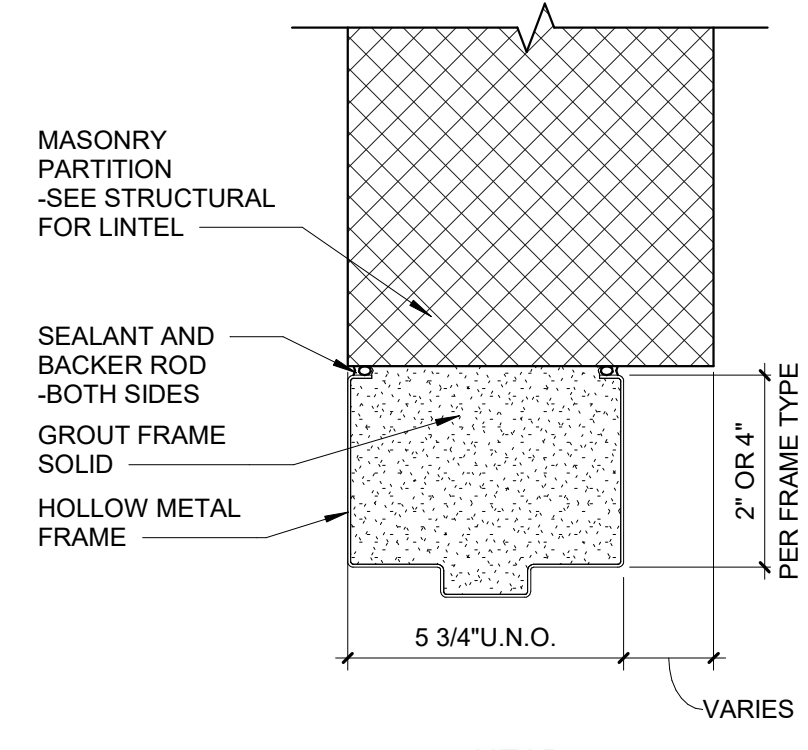
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Drawing Title	
EGRESS AND DEMOLITION PLANS	
Scale	USA Project No.
As indicated	2022-050
Drawing Date	Drawing No.
07.18.2022	A-050
Drawn By	Checked By
DTB	ApA

DOOR SCHEDULE									
DOOR NUMBER	DOOR ELEVATION TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR TYPE	FRAME TYPE	FRAME HEIGHT	HARDWARE SET	COMMENTS	
1	F	3'-0"	7'-0"	HM	HM	7'-4"	01	1/2" UNDERCUT REQUIRED	
2	F	3'-0"	7'-0"	HM	HM	7'-4"	01	1/2" UNDERCUT REQUIRED	
3	FL	3'-0"	7'-0"	HM	HM	7'-4"	01	LOUVER NEEDS 0.75SF OF FREE AREA	
4	-	0"	0"	-	HM	7'-4"	-	FRAMED OPENING	

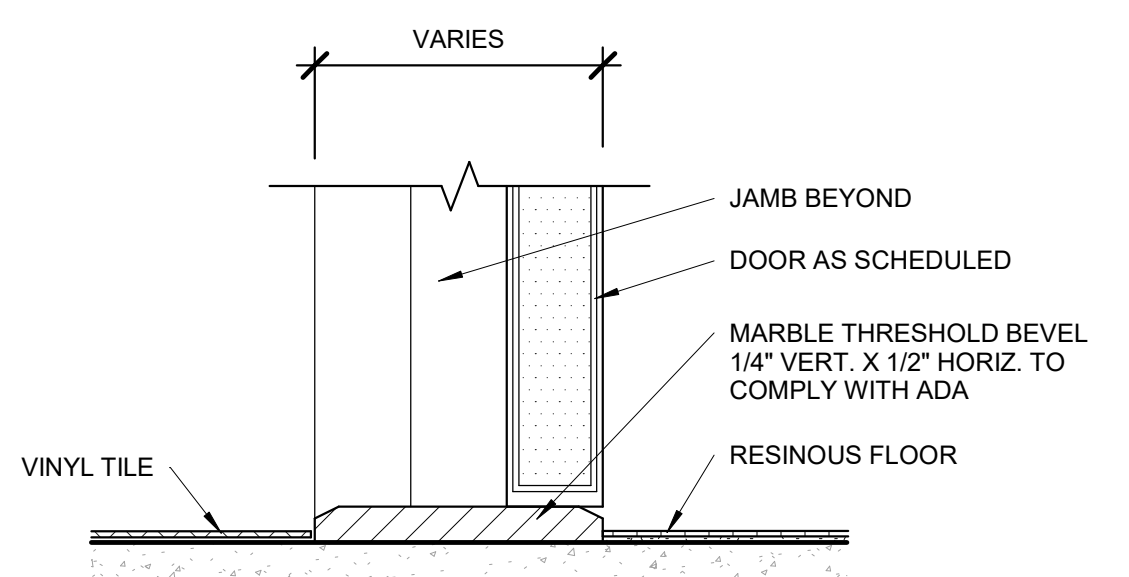
HARDWARE SETS:

HARDWARE SET #01:

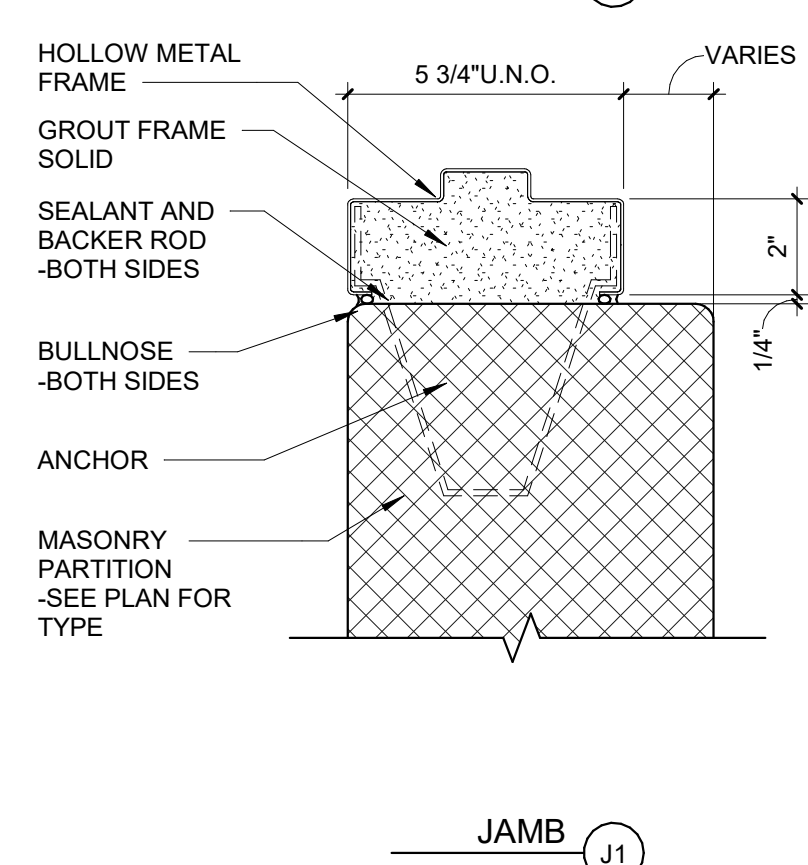
QUANTITY	DESCRIPTION	CATALOG NUMBER	FINISH	MANUFACTURER
3 EACH	HINGE	5BB1 4.5 X 4.5	652	IVES
1 EACH	PULL HANDLE	8302-3.5X15	626	SCHLAGE
1 EACH	PUSH PLATE	8200-3X12	626	SCHLAGE
1 EACH	WALL STOP	WS406/407CCV	630	IVES
1 EACH	GASKETING	188SBK PSA	BK	ZER



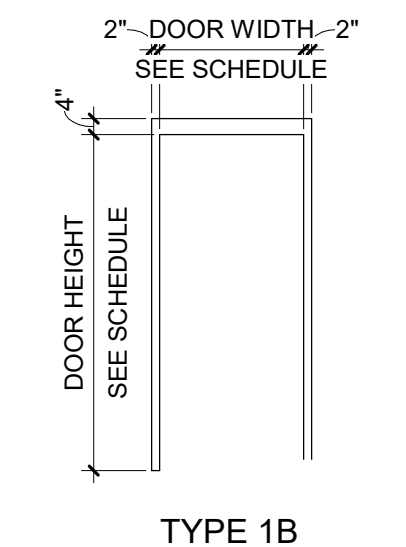
5 DOOR JAMB DETAILS
SCALE: 3" = 1'-0"



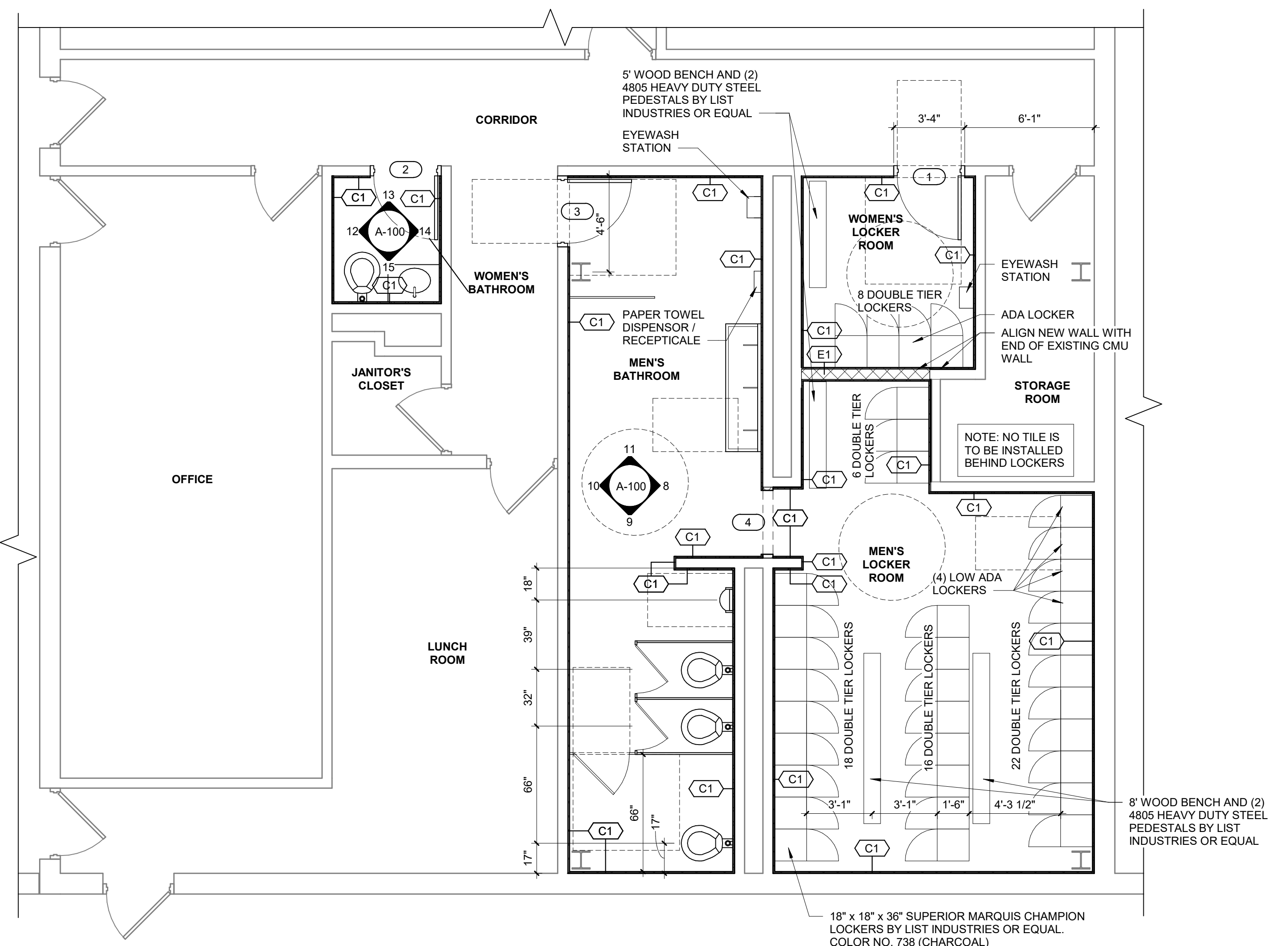
3 TYP. FLOOR TRANSITIONS
SCALE: 3" = 1'-0"



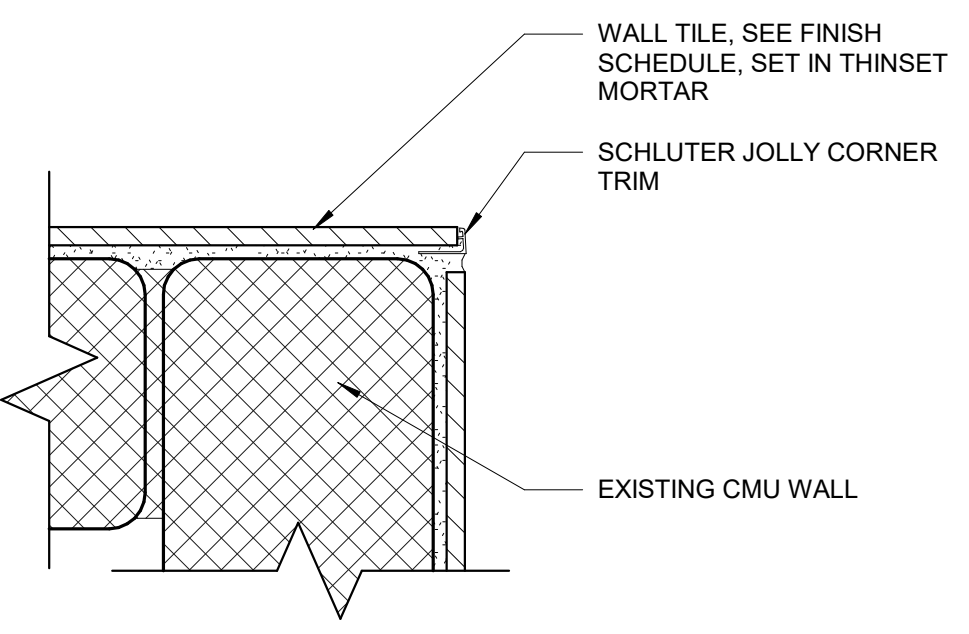
4 DOOR ELEVATIONS
SCALE: 1/4" = 1'-0"



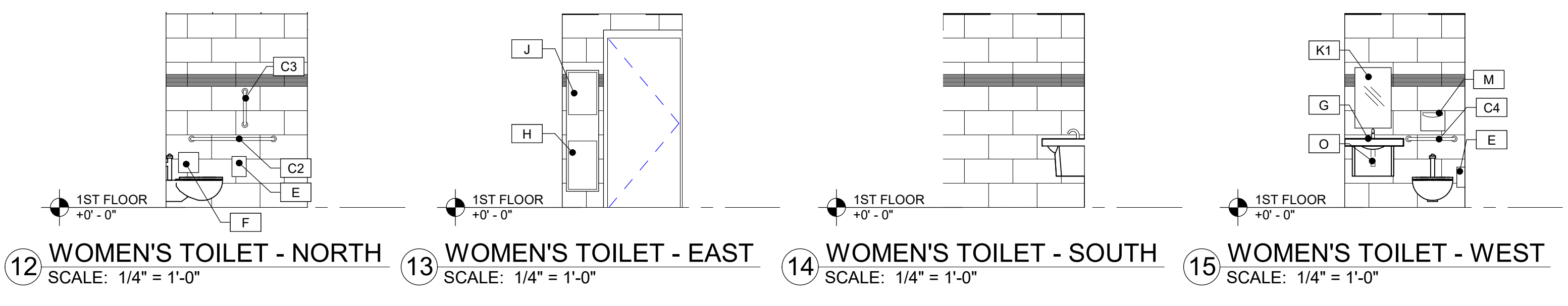
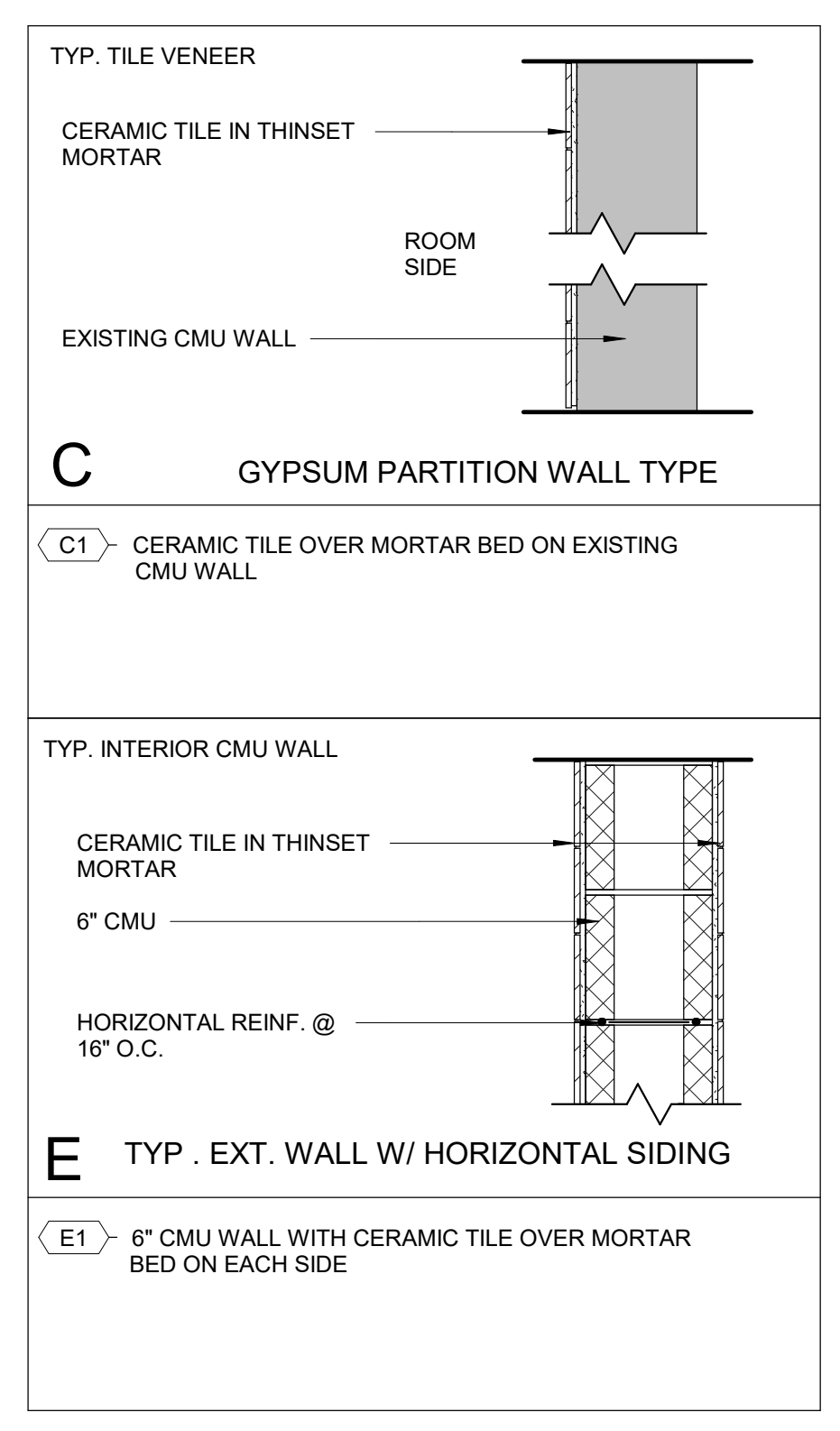
6 FRAME ELEVATIONS
SCALE: 1/4" = 1'-0"



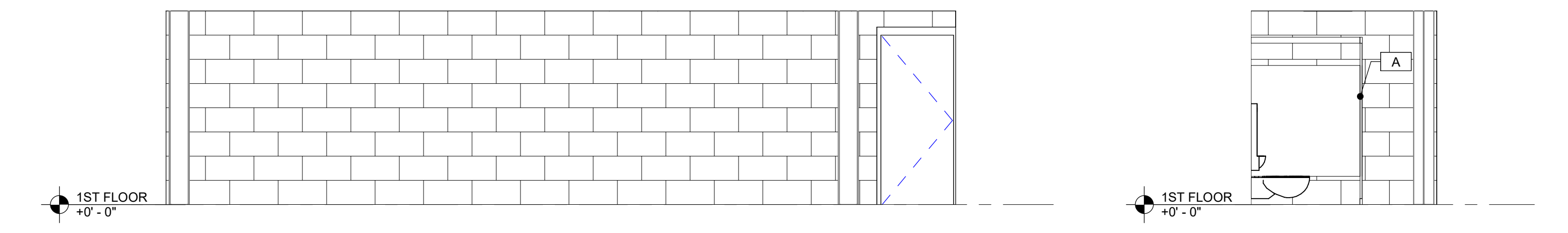
1 FIRST FLOOR CONSTRUCTION PLAN
SCALE: 1/4" = 1'-0"



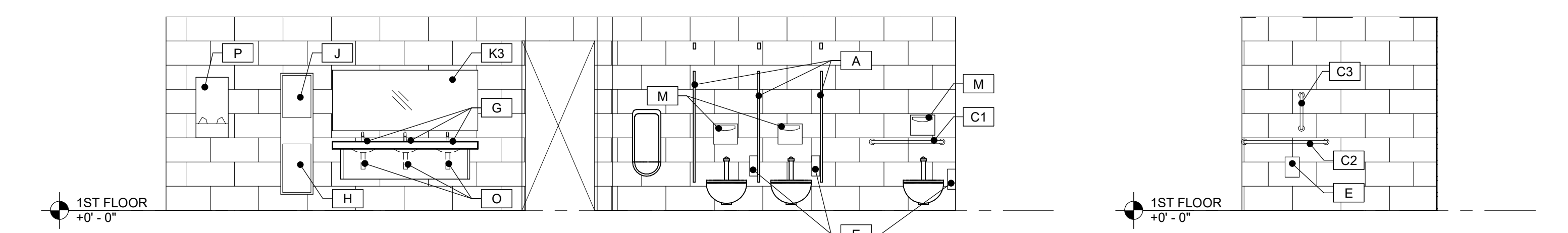
2 THINSET TILE CORNER
SCALE: 3" = 1'-0"



12 WOMEN'S TOILET - NORTH SCALE: 1/4" = 1'-0"
13 WOMEN'S TOILET - EAST SCALE: 1/4" = 1'-0"
14 WOMEN'S TOILET - SOUTH SCALE: 1/4" = 1'-0"
15 WOMEN'S TOILET - WEST SCALE: 1/4" = 1'-0"



10 MEN'S TOILET - NORTH SCALE: 1/4" = 1'-0"
11 MEN'S TOILET - WEST SCALE: 1/4" = 1'-0"



8 MEN'S TOILET - SOUTH SCALE: 1/4" = 1'-0"
9 MEN'S TOILET - EAST SCALE: 1/4" = 1'-0"

FINISH MATERIAL LEGEND					
TAG	PRODUCT TYPE	DESCRIPTION	MANUFACTURER	MODEL #	COMMENTS
A	TOILET PARTITIONS / URINAL SCREENS	1" THICK, 100% RECYCLED SOLID HDPE PARTITION W/ "NO-SITE" CONTINUOUS HINGES/ STRIKES FEATURE. COLOR: CHARCOAL GREY FINISH OF FLOOR MOUNTED OVERHEAD BRACED W/ STAINLESS STEEL HARDWARE OR APPROVED EQUAL	SCRANTON PRODUCTS	SEE FINISH SCHEDULE	MEN'S BATHROOM ONLY
C1	36" GRAB BARS	1 1/2" O.D. STAINLESS WITH CONCEALED MOUNTING	BOBRICK	B-6806	PROVIDE STANDARD FINISH
C2	42" GRAB BARS	1 1/2" O.D. STAINLESS WITH CONCEALED MOUNTING	BOBRICK	B-6806	PROVIDE STANDARD FINISH
C3	18" GRAB BARS	1 1/2" O.D. STAINLESS WITH CONCEALED MOUNTING	BOBRICK	B-6806	PROVIDE STANDARD FINISH
C4	24" GRAB BARS	1 1/2" O.D. STAINLESS WITH CONCEALED MOUNTING	BOBRICK	B-6806	PROVIDE STANDARD FINISH
E	TOILET TISSUE DISPENSER	PARTITION MOUNTED	-	-	BY OTHERS
F	SANITARY PRODUCT DISPOSAL UNIT	SURFACE MOUNTED	BOBRICK	B-254	WOMEN'S TOILET ONLY
G	LIQUID SOAP DISPENSER	SURFACE MOUNTED	-	-	BY OTHERS
H	WASTE RECEPTACLE	RECESSED MOUNTING	BOBRICK	B-43644	
J	PAPER TOWEL DISPENSORS	-	-	-	BY OTHERS
K1	MIRROR	18x30	BOBRICK	B-165 1830	WOMEN'S BATHROOM, OVER SINK
K2	MIRROR	24x48	BOBRICK	B-165 2448	MEN'S AND WOMEN'S LOCKER ROOMS
K3	MIRROR	72x30 CUSTOM	-	-	MEN'S BATHROOM, OVER SINK
M	TOILET SEAT COVER DISPENSOR	SURFACE MOUNTING	BOBRICK	B-4221	FOR MEN'S AND WOMEN'S TOILET
N	COAT HOOK	EXPOSED MOUNTING	BRADLEY	9118	LOCATED AT THE BACK OF THE STALL DOORS (MEN'S) OR RESTROOM DOOR (WOMEN'S)
O	PIPE COVERS	UNDER SINK	TRUEBRO	LAV GUARD 2	AT ALL LAVATORIES
P	EYEWASH STATION	GRAVITY FEED SYSTEM	GLOBAL INDUSTRIAL	WR708387	IN MEN'S BATHROOM & WOMEN'S LOCKER ROOM



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FOR THE
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CONTRACT NO. 2022-59
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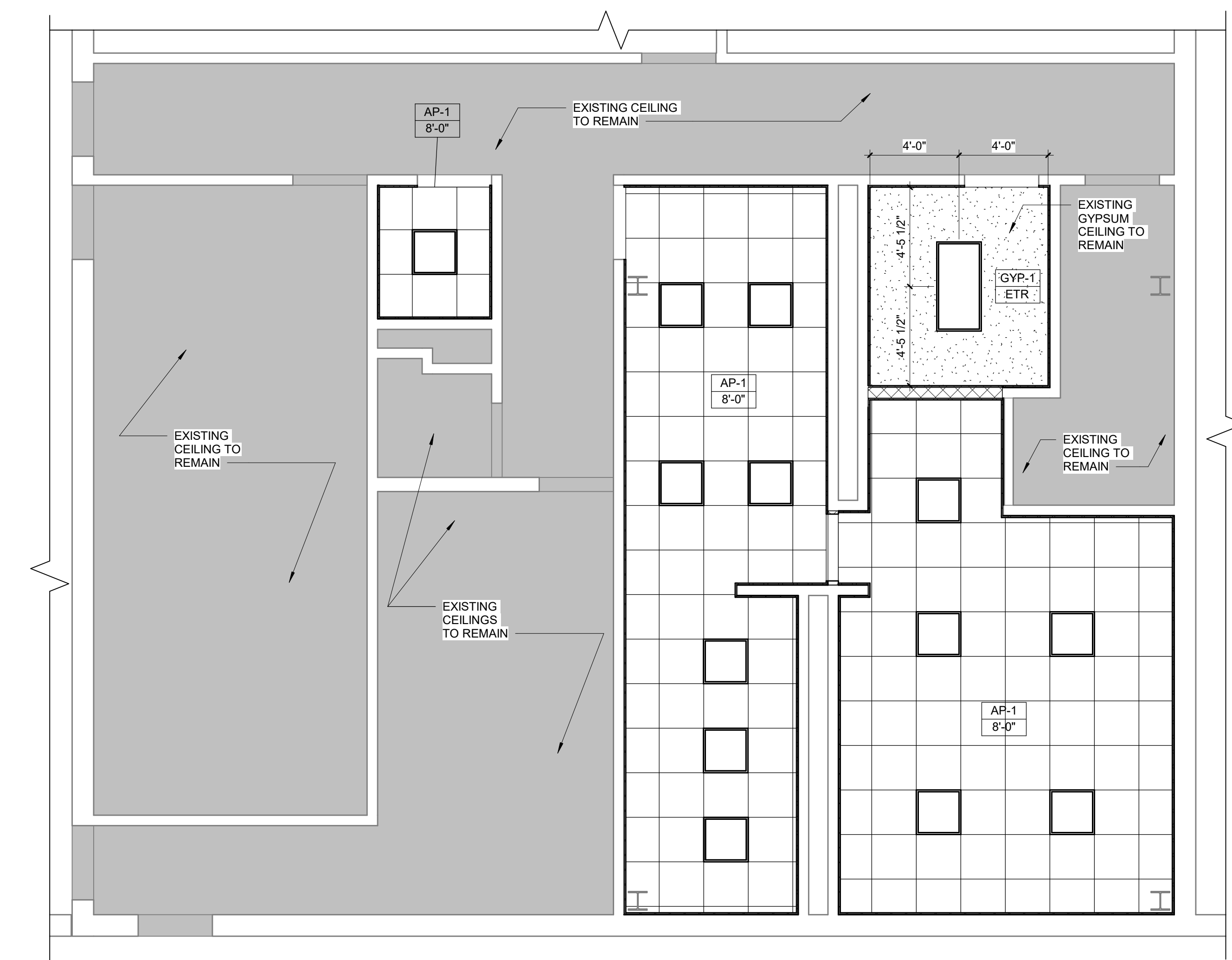
No. Date Issue or Revision

Drawing Title
FIRST FLOOR CONSTRUCTION PLAN

Scale: As indicated USA Project No. 2022-050

Drawing Date: 07.18.2022 Drawing No.

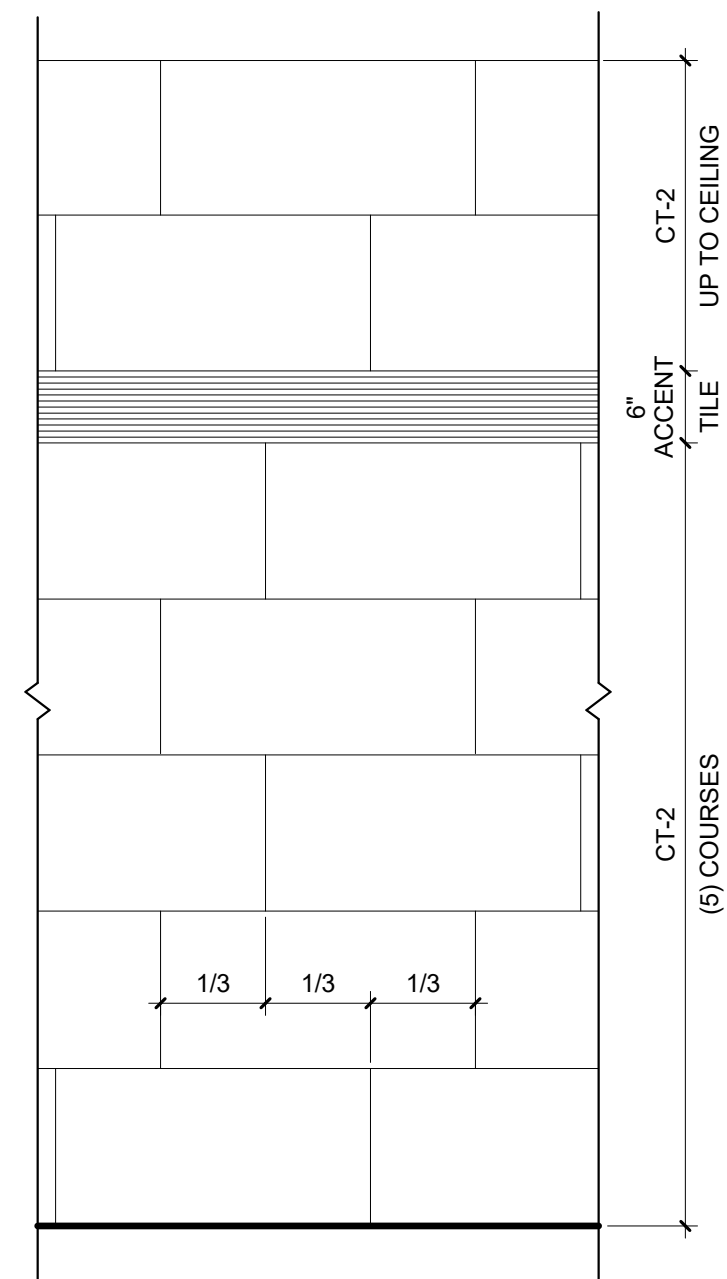
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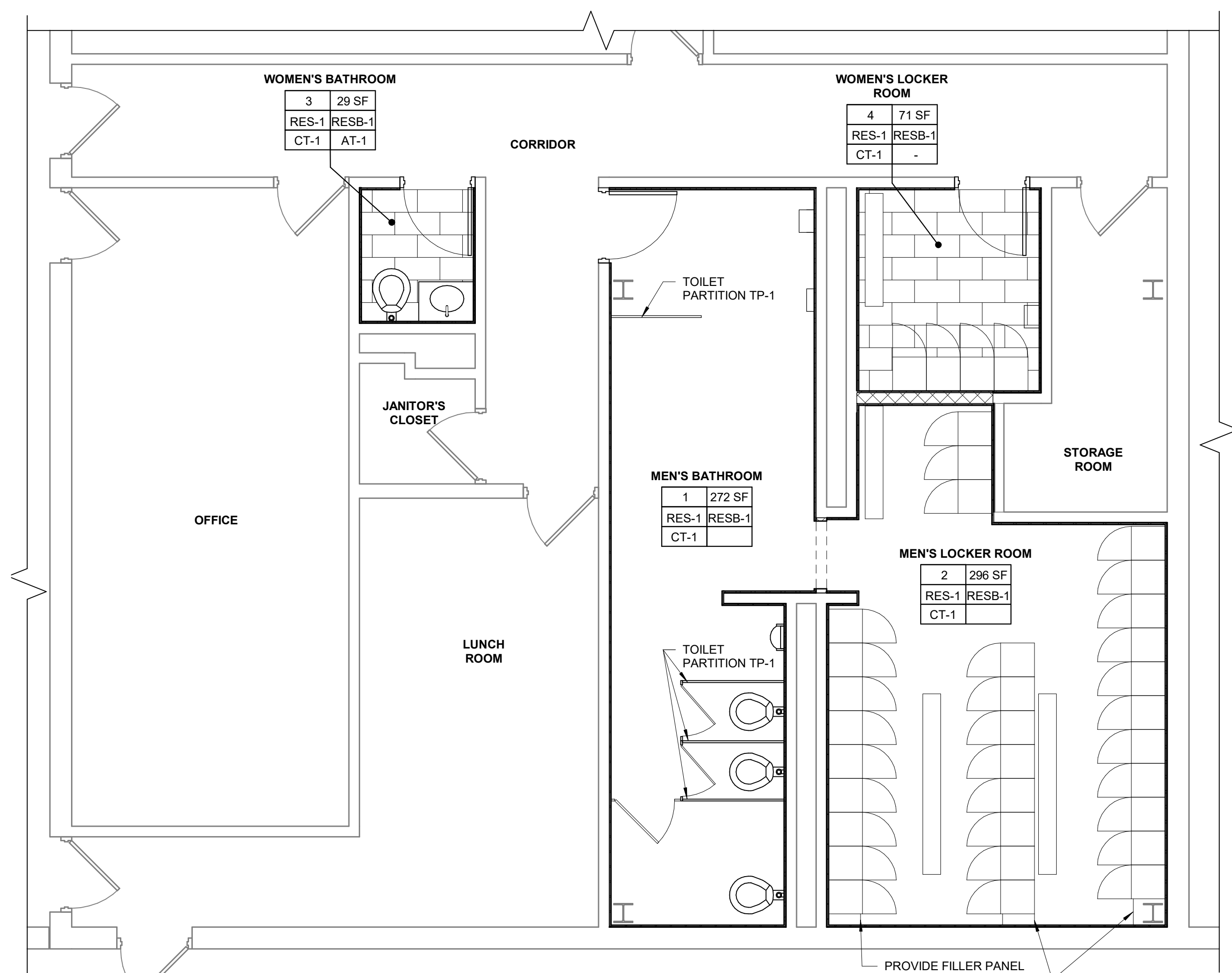
3 FIRST FLOOR REFLECTED CEILING PLAN
SCALE: 1/4" = 1'-0"

FINISH NOTES:

FINISH TAG:
ROOM # ROOM NAME ROOM AREA
FLOOR FINISH X X SF BASE FINISH
WALL FINISH X X ACCENT (IF USED)
WALL FINISH IS TO EXTEND 6" ABOVE ACOUSTIC CEILING LEVEL. REFER TO REFLECTED CEILING PLAN.

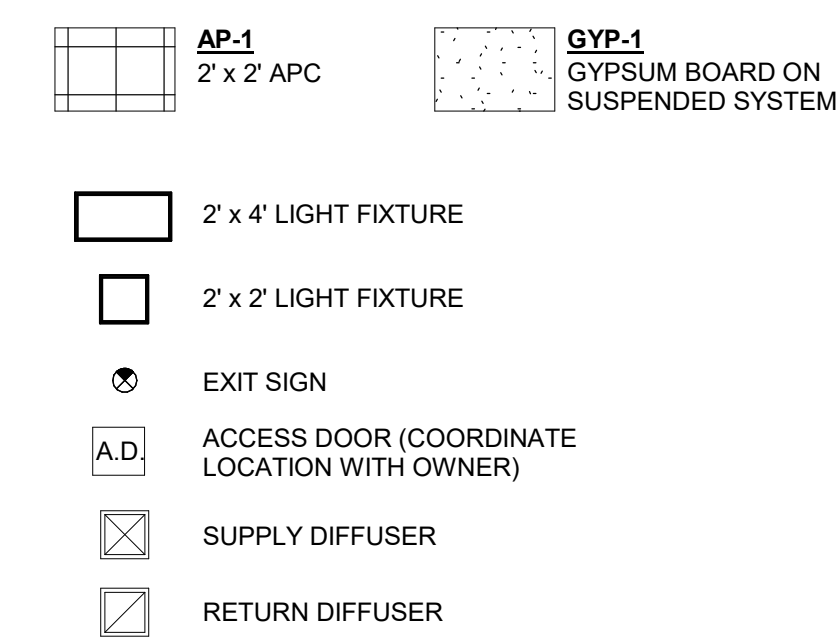


2 TYP. TILE PATTERN (WOMEN'S BATHROOM)
SCALE: 3/4" = 1'-0"



1 FIRST FLOOR FINISH PLAN
SCALE: 1/4" = 1'-0"

CEILING LEGEND

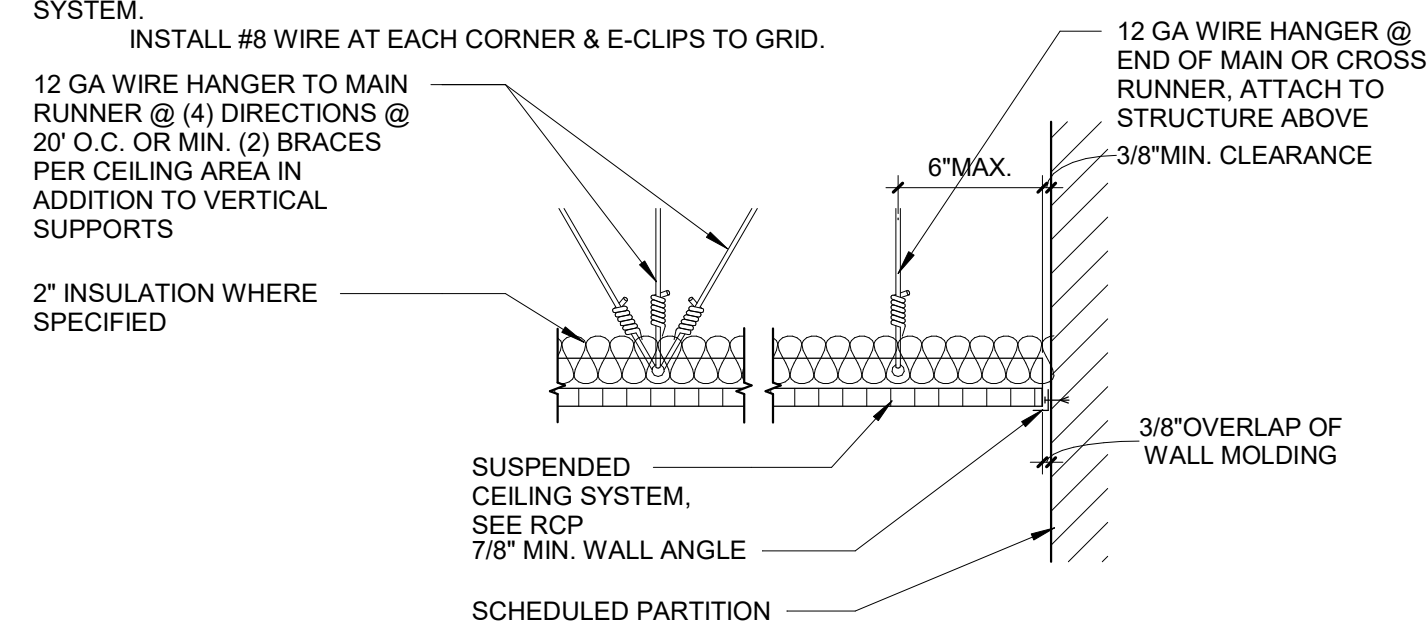


GENERAL REQUIREMENTS:

- MEASURE EACH CEILING AREA PRIOR TO INSTALLATION AND ESTABLISH THE LAYOUT OF THE ACOUSTICAL PANEL SYSTEM SO THAT THE PANELS AT THE PERIMETER ARE CUT TO EQUAL SIZES TO THE OPPOSITE WALL AND PROVIDE MINIMUM DIMENSION OF 6" FOR CUT PIECES, UNLESS NOTED OTHERWISE BY SPECIFIC DIMENSIONS OR LAYOUT REQUIREMENTS.
- REFER TO ELECTRICAL DRAWINGS FOR TYPES OF FIXTURES. UTILIZE REFLECTED CEILING PLANS FOR LOCATIONS AND COORDINATION OF FIXTURES. ANY DISCREPANCY BETWEEN ELECTRICAL AND ARCHITECTURAL DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- REFER TO ELECTRICAL DRAWINGS FOR EMERGENCY LIGHTS, NIGHT LIGHTS, AND EXIT SIGN LOCATIONS.
- REFER TO MECHANICAL DRAWINGS FOR H.V.A.C. GRILLES AND DIFFUSERS. UTILIZE REFLECTED CEILING PLAN FOR LOCATION AND COORDINATION OF ITEMS. ANY DISCREPANCY BETWEEN THE MECHANICAL AND ARCHITECTURAL DRAWINGS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY.
- ALL CEILING HEIGHTS TO BE ABOVE FINISHED FLOOR FOR EACH ROOM.
- COORDINATE LOCATION WITH PLUMBING, ELECTRICAL, AND H.V.A.C. FIXTURES AND EQUIPMENT WITH ACOUSTICAL TILE CEILING.

WORK NOTES

- FOLLOW ASTM C 836 RECOMMENDATIONS FOR SEISMIC DESIGN CATEGORY "B"
- DO NOT ATTACH GRID TO WALL MOLDING.
- 3/8" CLEARANCE AT PERIMETER OF CEILING.
- 3/8" OVERLAY AT PERIMETER OF CEILING.
- ENDS OF MAIN BEAMS AND CROSS TEES MUST BE TIED TOGETHER TO PREVENT THEIR SPREADING USING LOCKING CLIPS.
- INSTALL (2) MIN. SAFETY WIRES ON ALL LIGHT FIXTURES SUPPORTED BY CEILING SYSTEM.



4 TYP. ACOUSTICAL CEILING DETAIL
SCALE: 1 1/2" = 1'-0"

FINISH MATERIAL LEGEND

TAG	FINISH	MANUFACTURER	STYLE	COLOR	SIZE	COMMENTS
FLOOR FINISHES						
RES-1	RESINOUS FLOORING	PER SPECIFICATION	EPOXY BASED RESINOUS FLOORING	SELECTED BY OWNER		
BASE FINISHES						
RESB-1	RESINOUS WALL BASE	PER SPECIFICATION	EPOXY BASED RESINOUS FLOORING	TO MATCH FLOORING	4"	
WALL FINISHES						
P-1	PAINT	SHERWIN WILLIAMS	PROMAR 200 ZERO VOC INTERIOR LATEX (B20W02851)	SELECTED BY OWNER	-	EGGSHELL FINISH, TWO COATS COLOR OVER ONE COAT PRIMER. PRIMER TO BE PROMAR 200 ZERO VOC INTERIOR (B28W02800)
CT-1	PORCELAIN WALL TILE	UNICOM STARKER	RENAISSANCE	SILVER	12" x 24"	GROUT: BOSTIK VIVID, COLOR: SELECTED BY OWNER TO MATCH TILE
AT-1	LINEAR MOSAIC TILE	GARDEN STATE TILE	EBB & FLOW	SAND & SURF	11 3/4" x 13"	CUT MOSAIC TO 8" HIGH GROUT: MATCH TEC COLOR # 949 SILVERADO
CEILING FINISH						
AP-1	CEILING TILE	ARMSTRONG	ULTIMA 9/16" BEVELED TEGULAR # 1895	WHITE	2' x 2' x 3/4"	GRID: ARMSTRONG SUPRAFINE XL 9/16" EXPOSED TEE SYSTEM. 3/16" SHADOW MOLDING, COLOR: WHITE PERFORMANCE: CLASS A, 0-25 (ASTM E-84)
GYP-1	PAINTED GYPSUM BOARD	-	-	WHITE		MATCH EXISTING THICKNESS EXISTING GYPSUM BOARD CEILING TO BE PAINTED
TOILET PARTITIONS						
TP-1	HDPE PARTITIONS	SCRANTON PRODUCTS	100% RECYCLED "NO-SITE" PARTITIONS W/ STAINLESS STEEL HARDWARE OR APPROVED EQUAL FLOOR MOUNTED OVERHEAD BRACED	CHARCOAL GREY	1" THICK	100% RECYCLED SOLID HDPE PARTITION "NO-SITE" CONTINUOUS HINGES / STRIKES
DOOR FINISHES						
	DOOR AND FRAME PAINT	SHERWIN WILLIAMS	INTERIOR ACRYLIC LATEX PAINT PROMAR 200 SEMIGLOSS FINISH.	BLACK	FILM THICKNESS: 2.0 MILS MIN.	EXISTING AND NEW HOLLOW METAL DOORS AND FRAMES

ROOM FINISH SCHEDULE

NUMBER	ROOM NAME	FINISH				COMMENTS
		FLOOR	BASE	WALL	CEILING	
1	MEN'S BATHROOM	RES-1	RESB-1	CT-1	AP-1	TOILET PARTITIONS: TP-1
2	MEN'S LOCKER ROOM	RES-1	RESB-1	CT-1	AP-1	
3	WOMEN'S BATHROOM	RES-1	RESB-1	CT-1	AP-1	ACCENT TILE: AT-1
4	WOMEN'S LOCKER ROOM	RES-1	RESB-1	CT-1	AP-1	ACCENT TILE: AT-1



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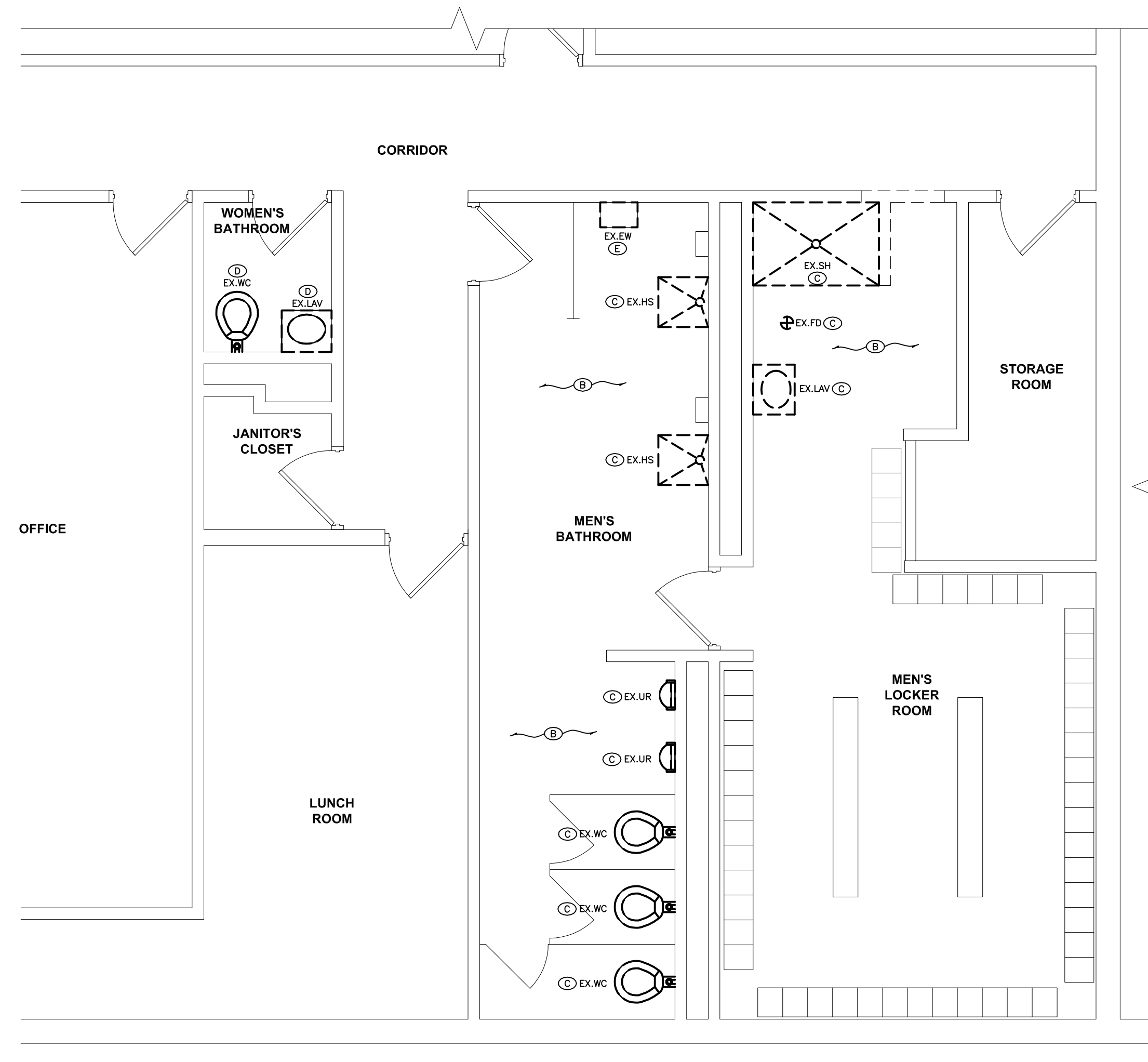
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Drawn Title
FIRST FLOOR RCP, FINISH PLAN, AND SCHEDULE

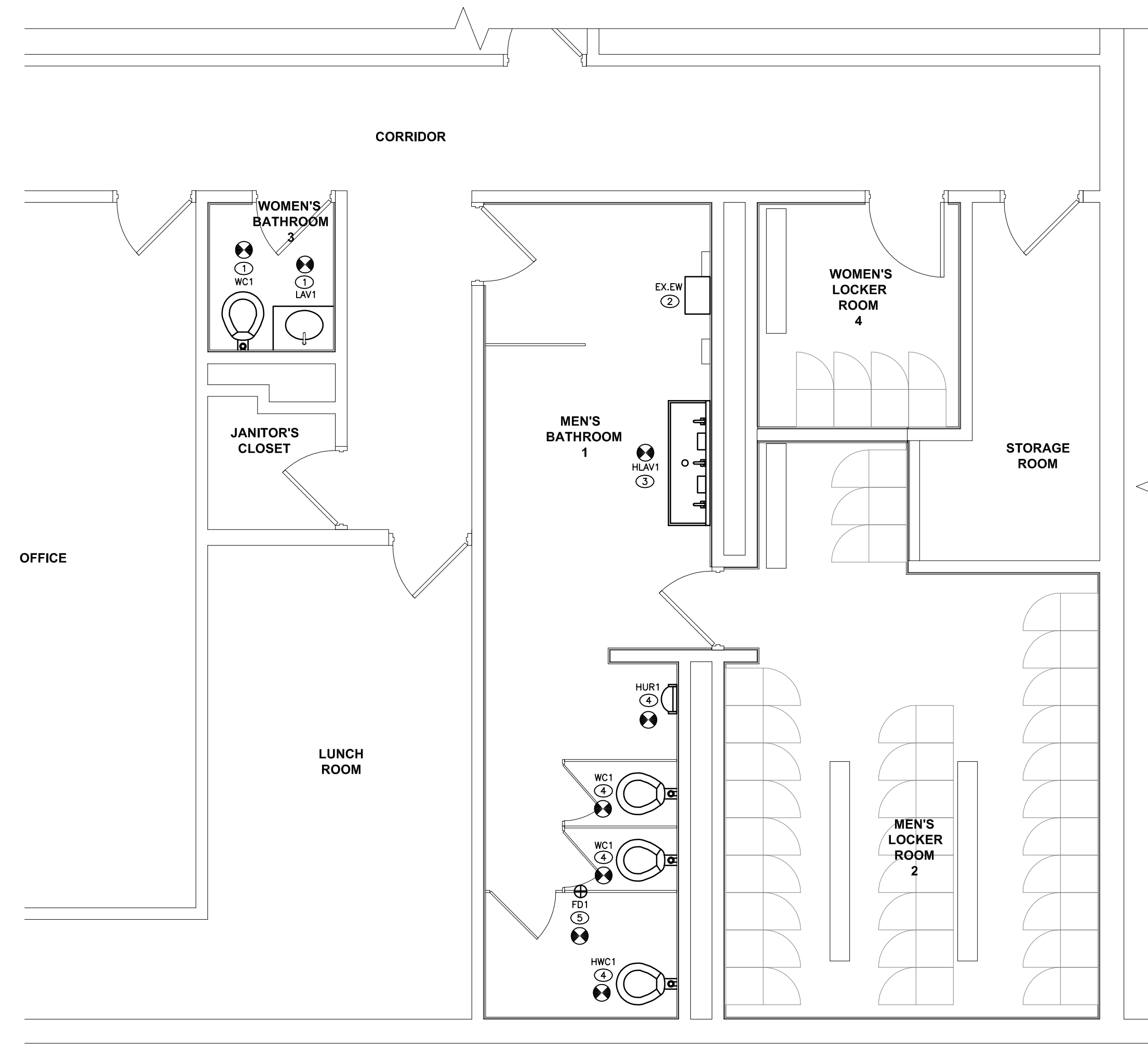
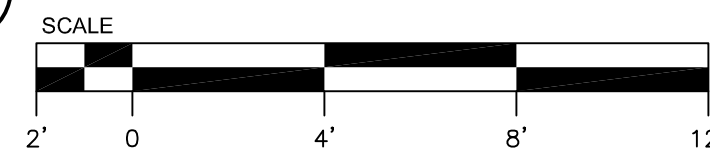
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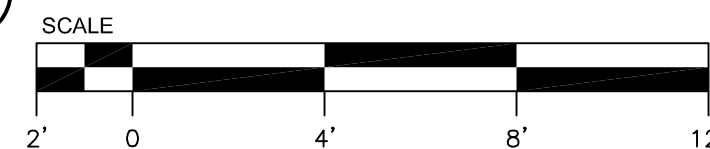
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1 FLOOR PLAN - PLUMBING DEMOLITION



2 FLOOR PLAN - PLUMBING



FIXTURE	MANUFACTURER	TYPE	MODEL	TRIM NO.	SUPPORT NO.	MINIMUM PIPE SIZES					WSFU'S		DFU'S	FLOW RATE	MOUNTING HEIGHTS	REMARKS	
						TRAP	WASTE	VENT	CW	HW	TOTAL	CW					HW
HWC1	KOHLER	KINGSTON (WALL HUNG)	K-4325	SLOAN ROYAL 111	JR SMTH	-	4"	2"	1"	-	5.0	5.0	-	4	1.6 GPF	RM AT 17" AFF	EXPOSED TOP SPUD ELONGATED WALL MOUNTED MANUAL FLUSHMETER VALVE TOILET WITH ANTIMICROBIAL SURFACE AND KOHLER STRONGHOLD COMMERCIAL HEAVY DUTY TOILET SEAT. MODEL #K-4731-C. CAULK TO WALL. ALL FLUSH HANDLES TO BE LOCATED ON THE TRANSFER SIDE OF ALL WATER CLOSETS. REGARDLESS OF WHAT IS SHOWN ON ALL PLANS AND BATHROOM ELEVATIONS.
WC1	KOHLER	KINGSTON (WALL HUNG)	K-4325	SLOAN ROYAL 111	JR SMTH	-	4"	2"	1"	-	5.0	5.0	-	4	1.6 GPF	RM AT 15" AFF	EXPOSED TOP SPUD ELONGATED WALL MOUNTED MANUAL FLUSHMETER VALVE TOILET WITH ANTIMICROBIAL SURFACE AND KOHLER STRONGHOLD COMMERCIAL HEAVY DUTY TOILET SEAT. MODEL #K-4731-C. CAULK TO WALL.
HUR1	KOHLER	BARDON	K-4991-ET	SLOAN ROYAL 180	JR SMTH 0636	-	2"	1 1/2"	3/4"	-	4.0	4.0	-	4	1.0 GPF	RM AT 17" AFF	EXPOSED TOP SPUD HIGH EFFICIENCY MANUAL FLUSHMETER VALVE WASHOUT FLUSH ACTION URINAL WITH ANTIMICROBIAL SURFACE. CAULK TO WALL.
HLAV1	BASE SHEET METAL INC.	3-STATION WASHING SINK	ADA-032E020668	-	WALL	1-1/4"	1-1/2"	1-1/4"	1/2"	1/2"	3.0	2.4	2.4	3.0	-	RM AT 32 AFF	STAINLESS STEEL 3-BAY WASH STATION WITH INTEGRAL (3) BATTERY-OPERATED ELECTRONIC FAUCETS, (2) SOAP DISPENSERS.
HLAV2	KOHLER	KINGSTON	K-2005	CHATEAU 14821	JR SMTH 0700	1-1/4"	1-1/2"	1-1/4"	1/2"	1/2"	1.0	0.8	0.8	1.0	0.5 GPM	RM AT 32 AFF	WALL-MOUNTED LAVATORY. PROVIDE WITH LEONARDO ASSE 1070 CERTIFIED DOWN TO 0.25 GPM MIXING VALVE MODEL 170A-LT-BP-BROT. SET OUTLET TEMPERATURE AT 105°F. LOCATE VALVE ASSEMBLY IN SPACE BELOW FIXTURE. INSTALLATION PER MANUFACTURERS INSTRUCTIONS. PROVIDE "TRUEBRO" PREFORMED LAV-SHIELD KIT, WHITE IN COLOR. CAULK TO WALL.
F.D1	JR SMTH	FLOOR DRAIN	2005	-	FLOOR	2"	2"	1 1/2"	-	-	-	-	-	-	-	-	CAST IRON BODY, NICKEL BRONZE ADJUST. STRAINER, WITH AUX. INLET FITTING 2697C. PROVIDE WITH JR SMTH GUND CLOSE TRAP SEAL DEVICE MODEL 2692.

GENERAL NOTES:
 1. ALL CHINA FIXTURES TO BE SUPPLIED WHITE.
 2. ALL EXPOSED PIPING TO BE CHROME PLATED.
 3. PROVIDE STOP VALVES AT EACH FIXTURE.
 4. FURNISH ALL LAVATORIES WITH CHROME PLATED METAL GRID STRAINER AND TALSPIECE.
 5. ALTERNATE MANUFACTURERS AMERICAN STANDARD, CRANE, WADE, AND ZURN.

DRAWING NOTES - DEMO

- Ⓐ EXISTING TO REMAIN.
- Ⓑ THE LOCATION OF THE UNDER SLAB SANITARY AND VENT PIPING IS ASSUMED. THE EXACT LOCATION, DEPTH, AND SIZES OF THE UNDER SLAB PIPING IS NOT KNOWN. PRIOR TO SUE CUTTING THE CONCRETE FLOOR AND EXCAVATING TO REPAIR ANY WORK ON THE SANITARY PIPING, THIS CONTRACTOR SHALL USE AN ELECTRONIC SENSOR AND RECEIVER TO DETERMINE THE APPROXIMATE LOCATION AND DEPTH OF THE UNDER SLAB PIPING.
- Ⓒ DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES. OPEN CHASE WALLS, REMOVE CONDENSED FIXTURE SUPPORTS, SAW CUT CONCRETE SLAB FLOOR AND EXCAVATE AS REQUIRED TO DISCONNECT AND REMOVE EXISTING ABOVE AND BELOW SLAB SANITARY, VENT AND DOMESTIC WATER PIPING MADE OBSOLETE BY THE RENOVATION. REMOVE DOMESTIC WATER PIPING BACK TO MAINS, REPLACE EXISTING SHUT OFF VALVES WITH NEW FULL PORT BALL VALVES. FIELD VERIFY EXACT SIZE BEFORE STARTING WORK. ONCE THE NEW PIPING SYSTEM HAS BEEN INSTALLED, BACK FILL, COMPACT AND REPAIR THE CONCRETE SLAB FLOOR TO RECEIVE NEW FLOOR FINISH.
- Ⓓ DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURE, NEW REPLACEMENT FIXTURE TO BE INSTALLED IN SAME LOCATION.
- Ⓔ TEMPORARILY DISCONNECT AND REMOVE EXISTING STADIOLONE EYE WASH STATION. EYE WASH STATION TO BE REINSTALLED. REFER TO NEW WORK.

DRAWING NOTES - NEW

- ① INSTALL NEW PLUMBING FIXTURE IN SAME LOCATION OF FIXTURE WHICH WAS REMOVED DURING DEMOLITION. EXTEND EXISTING HW/CW/SAN/V FROM EXISTING TO NEW, AS REQUIRED. MODIFY ROUGH-INS AS NEEDED. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE APPROVED WORKING INSTALLATION.
- ② REINSTALL EXISTING EYEWASH STATION IN NEW LOCATION FOLLOWING ALL WORK.
- ③ OPEN EXISTING CHASE WALL TO ACCESS EXISTING PIPING SYSTEM, EXTEND NEW HW/CW/SAN/V FROM EXISTING SERVICES WITHIN CHASE TO NEW LAVATORY CONNECTIONS. MODIFY ROUGH-INS AS NEEDED. PROVIDE HW/WH WITH NEW WATER HAMMER ARRESTOR AND ACCESS PANEL FOLLOWING INSTALLATION, PATCH AND REPAIR EXISTING WALL IN PREPARATION OF NEW FINISHES. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE APPROVED WORKING INSTALLATION.
- ④ OPEN EXISTING CHASE WALL TO ACCESS EXISTING PIPING SYSTEM, EXTEND NEW HW/CW/SAN/V FROM EXISTING SERVICES WITHIN CHASE TO NEW HW/CW/SAN/V CONNECTIONS. MODIFY ROUGH-INS AS NEEDED. PROVIDE CW WITH NEW WATER HAMMER ARRESTOR AND ACCESS PANEL FOLLOWING INSTALLATION, PATCH AND REPAIR EXISTING WALL IN PREPARATION OF NEW FINISHES. PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE APPROVED WORKING INSTALLATION.
- ⑤ SAWCUT EXISTING CONCRETE FLOOR AND EXCAVATE, AS REQUIRED, TO ACCESS UNDERSLAB SANITARY PIPING. PRIOR TO SAWCUTTING, USE DETECTION EQUIPMENT TO LOCATE EXISTING. INSTALL NEW FLOOR DRAIN AND EXTEND SANITARY PIPING TO EXISTING AND CONNECT, BACKFILL AND REPAIR CONCRETE FLOOR IN PREPARATION FOR NEW FINISHES.



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OLD BRIDGE, NJ 08857

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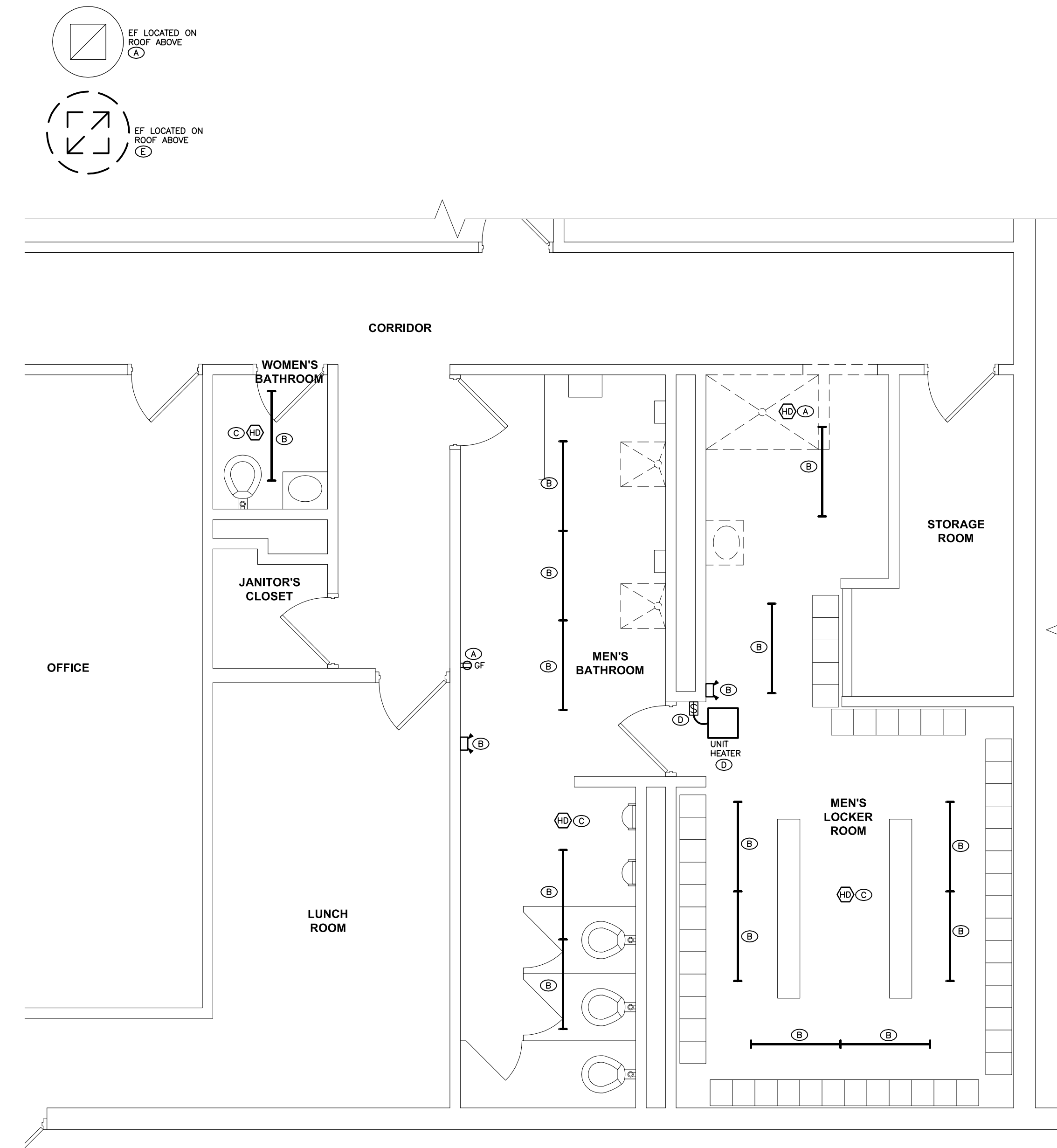
Drawing Title
PARTIAL FLOOR
PLANS - PLUMBING
DEMOLITION AND
NEW

Scale
AS NOTED
USA Project No.
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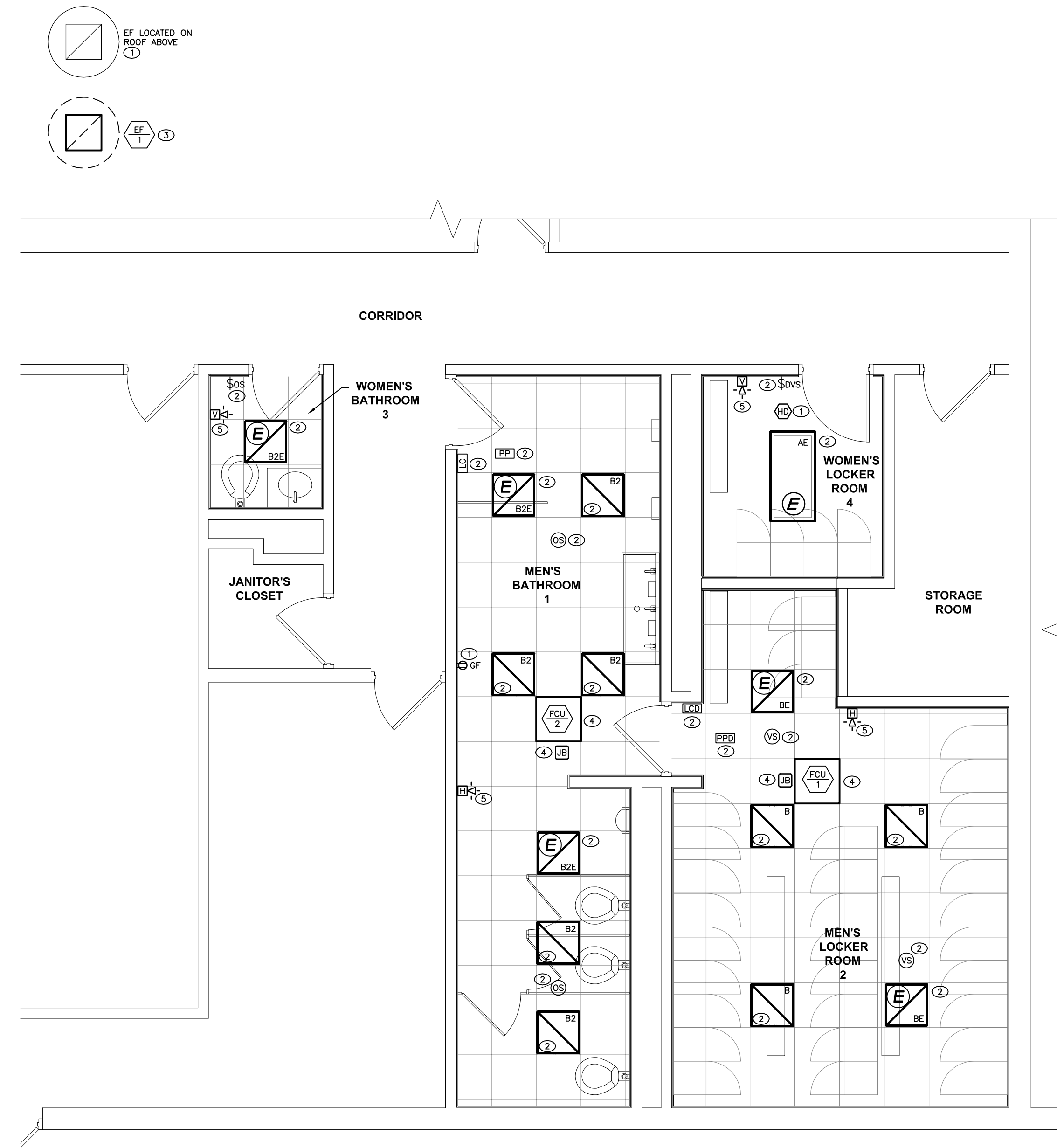
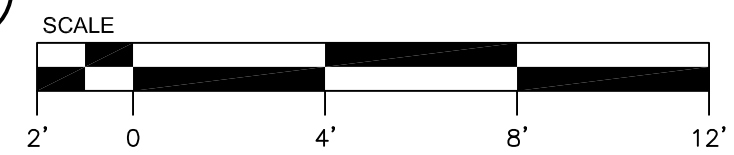
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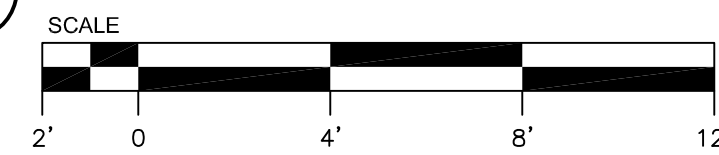
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1 FLOOR PLAN - ELECTRICAL DEMOLITION



2 FLOOR PLAN - ELECTRIC



DRAWING NOTES - DEMO

GENERAL NOTES:

1. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING ITEMS THAT REMAIN.
2. UNLESS OTHERWISE NOTED, WHEN AN ITEM IS LISTED FOR REMOVAL, INCLUDE THE FOLLOWING:
 - ITEM AND COVER PLATE
 - WALL BOX
 - ALL RELATED WIRING
 - ALL MOUNTING HARDWARE, CONDUIT SUPPORTS/STRAPS, ETC.
 - ALL EMPTY JUNCTION/PULL BOXES
 - ALL CONDUIT IN ACCESSIBLE LOCATION INCLUDING INSIDE STUD WALL CAVITIES, CUT AND ABANDON CONDUIT WITHIN CONCRETE WALLS AND INACCESSIBLE LOCATIONS.

- (A) EXISTING TO REMAIN.
- (B) EXISTING LIGHTING AND CONTROLS: DISCONNECT AND REMOVE ALL LIGHTING, LIGHTING CONTROLS AND LIGHTING CONTROL COMPONENTS. REMOVE ALL WIRING BETWEEN LUMINAIRES AND CONTROLS. BRANCH CIRCUIT WIRING SHALL REMAIN FOR EXTENSION TO NEW LIGHTING.
- (C) EXISTING TO BE RELOCATED: DISCONNECT AND REMOVE EXISTING FIRE ALARM SYSTEM DEVICE. RETAIN DEVICE FOR REINSTALLATION. REMOVE CONDUIT AND/OR WIRING BACK TO AN ACCESSIBLE LOCATION ABOVE THE CEILING. REMAINING CONDUIT AND/OR WIRING TO BE USED FOR EXTENSION TO DEVICE IN NEW LOCATION. PROVIDE JUNCTION BOX ON END OF CONDUIT. REFER TO NEW WORK NOTES BY SYMBOL FOR ADDITIONAL INFORMATION.
- (D) EXISTING MECHANICAL EQUIPMENT: DISCONNECT AND REMOVE EXISTING EQUIPMENT. REMOVE WIRING BACK TO SOURCE.
- (E) EXISTING EXHAUST FAN: DISCONNECT CONDUIT AND WIRING FROM EXHAUST FAN. CONDUIT AND WIRING SHALL REMAIN FOR CONNECTION TO NEW FAN IN EXISTING LOCATION.

DRAWING NOTES - NEW

- (GENERAL NOTE: MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING ITEMS THAT REMAIN)
1. EXISTING ITEM. SHOWN FOR COORDINATION PURPOSES.
 2. NEW LIGHTING: PROVIDE NEW LUMINAIRES AND CONTROLS AS INDICATED. CONNECT EXISTING BRANCH CIRCUIT CONDUIT AND WIRING, REMAINING FROM REMOVAL OF EXISTING LIGHTING, TO NEW LIGHTING AND CONTROLS AS REQUIRED. REFER TO LIGHTING CONTROL WIRING DIAGRAM FOR ADDITIONAL INFORMATION.
 3. NEW EXHAUST FAN: SPLICE/EXTEND EXISTING CONDUIT AND WIRING, REMAINING FROM REMOVAL OF EXISTING EXHAUST FAN, THROUGH NEW TIMELOCK TO NEW EXHAUST FAN. REFER TO EF-1 WIRING SCHEMATIC FOR ADDITIONAL INFORMATION.
 4. NEW FAN COIL UNIT AND CONTROLS: PROVIDE 120-24V CONTROL TRANSFORMER FOR FAN COIL UNIT CONTROL VALVE. PROVIDE 3/4" CONDUIT WITH (2) #12 (1) #12 GROUND FROM EACH TRANSFORMER AND EACH FAN COIL UNIT BACK TO EXISTING PANEL. PROVIDE NEW 120 VOLT, 1 POLE, 20 AMP CIRCUIT BREAKER, COMPATIBLE WITH EXISTING EQUIPMENT, IN EXISTING PANEL. CIRCUIT BREAKER SHALL HAVE LOCKING DEVICE. RELABEL PANEL DIRECTORY AS REQUIRED. PROVIDE FINAL ELECTRICAL CONNECTIONS TO ALL EQUIPMENT. ALL FAN COIL UNITS AND CONTROL TRANSFORMERS SHALL BE CONNECTED TO SAME CIRCUIT BREAKER. PROVIDE FINAL CONNECTION FROM TRANSFORMER TO CONTROL VALVE.



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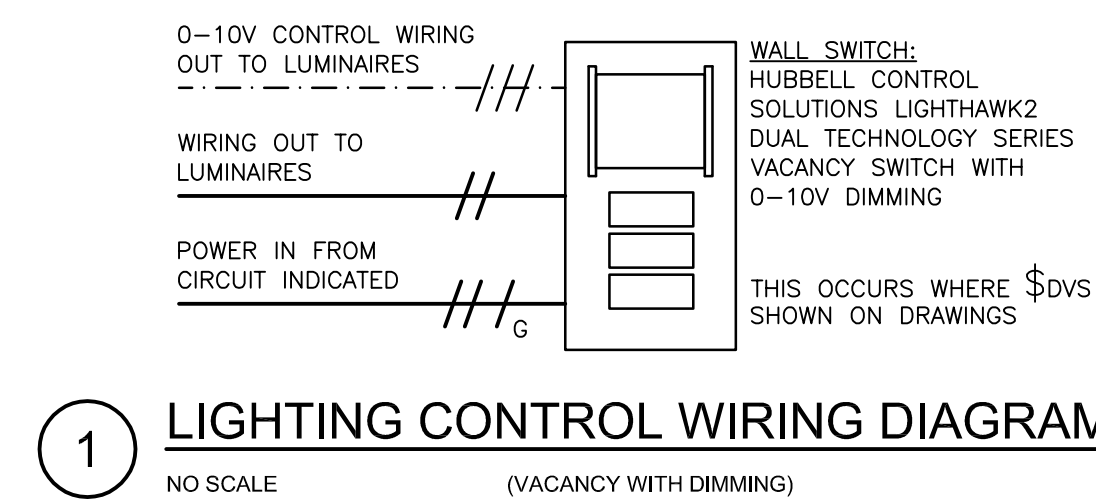
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Drawing Title
**PARTIAL FLOOR
PLANS - ELECTRICAL
DEMOLITION AND
NEW**

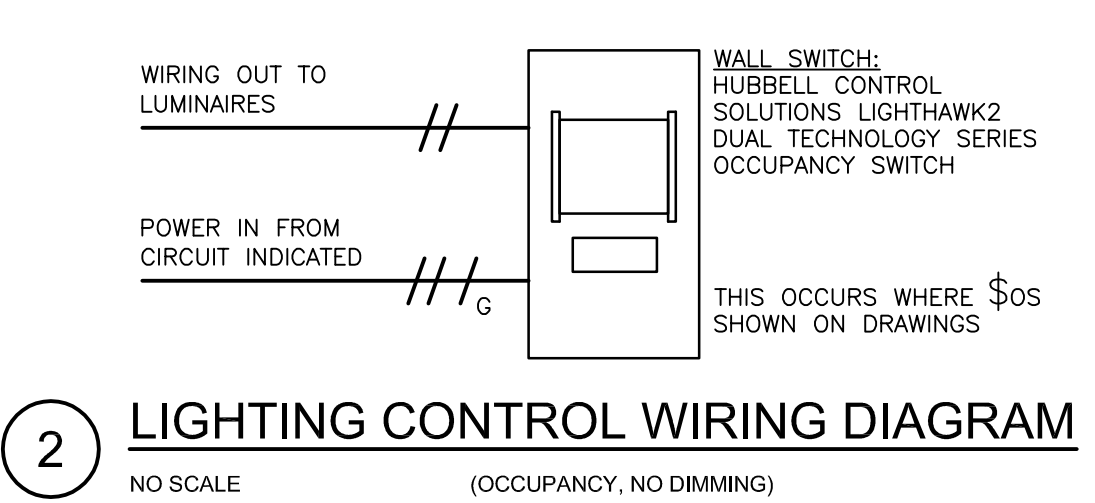
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Drawing Date: Drawing No.
07.07.2022 R-100

Drawn By: Checked By: E-100
JRP MSH



1 LIGHTING CONTROL WIRING DIAGRAM
NO SCALE (VACANCY WITH DIMMING)



2 LIGHTING CONTROL WIRING DIAGRAM
NO SCALE (OCCUPANCY, NO DIMMING)

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER/MODEL	LAMPS	LUMENS	VOLTS	DRIVER	MOUNTING	DESCRIPTION
AE	LITHONIA: 2VTL2-33L-ADP-EZ1-LP835-EL14L/2X4SMKSH	(1) 31W LED	4210	120	L2 + B1	CEILING/SURFACE	2X4 SURFACE LED
B	LITHONIA: 2VTL2-33L-ADP-EZ1-LP835	(1) 26W LED	3299	120	L2	CEILING/RECESSED	2X2 RECESSED LED
B2	LITHONIA: 2VTL2-33L-ADP-LP835	(1) 26W LED	3299	120	L1	CEILING/RECESSED	2X2 RECESSED LED
B2E	LITHONIA: 2VTL2-33L-ADP-LP835-E14L	(1) 26W LED	3299	120	L1 + B1	CEILING/RECESSED	2X2 RECESSED LED
BE	LITHONIA: 2VTL2-33L-ADP-EZ1-LP835-EL14L	(1) 26W LED	3299	120	L2 + B1	CEILING/RECESSED	2X2 RECESSED LED

GENERAL NOTES:

- CONTRACTOR SHALL VERIFY VOLTAGE AT SITE. VOLTAGE OF NORMAL AND EMERGENCY LUMINAIRES MAY VARY.
- OTHER MANUFACTURERS THAT ARE IN COMPLIANCE WITH THESE SPECIFICATIONS ARE TO BE CONSIDERED "OR EQUAL".

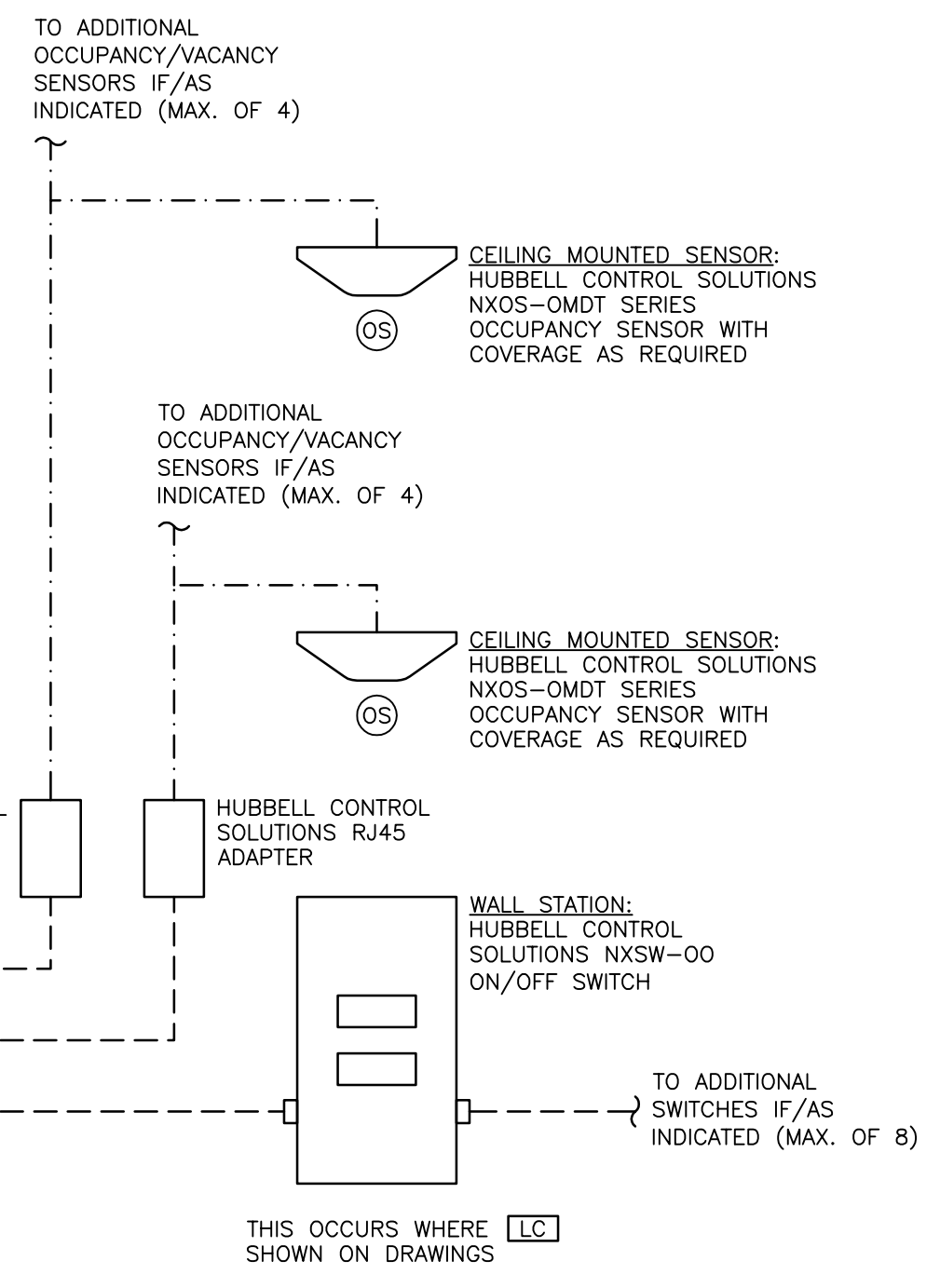
DRIVER TYPES:

- L1 - NON-DIMMING LED DRIVER
- L2 - 0-10V DIMMING LED DRIVER
- B1 - EMERGENCY BATTERY PACK, INTEGRAL

BASIS OF DESIGN: HUBBELL CONTROL SOLUTIONS; ACCEPTABLE ALTERNATES INCLUDE ACUTY rLIGHT AND LUTRON

PROVIDE ADDITIONAL RJ45 ADAPTORS AND WIRING IF/AS REQUIRED TO ACCOMMODATE NUMBER OF SENSORS

— LINE VOLTAGE CONDUIT AND WIRE OR TYPE MC CABLE
 - - - CAT. 5E PLENUM RATED CABLE, GREEN JACKET, WITH RJ45 CONNECTORS
 - - - PLENUM RATED CONTROL WIRING AS PER MANUFACTURER

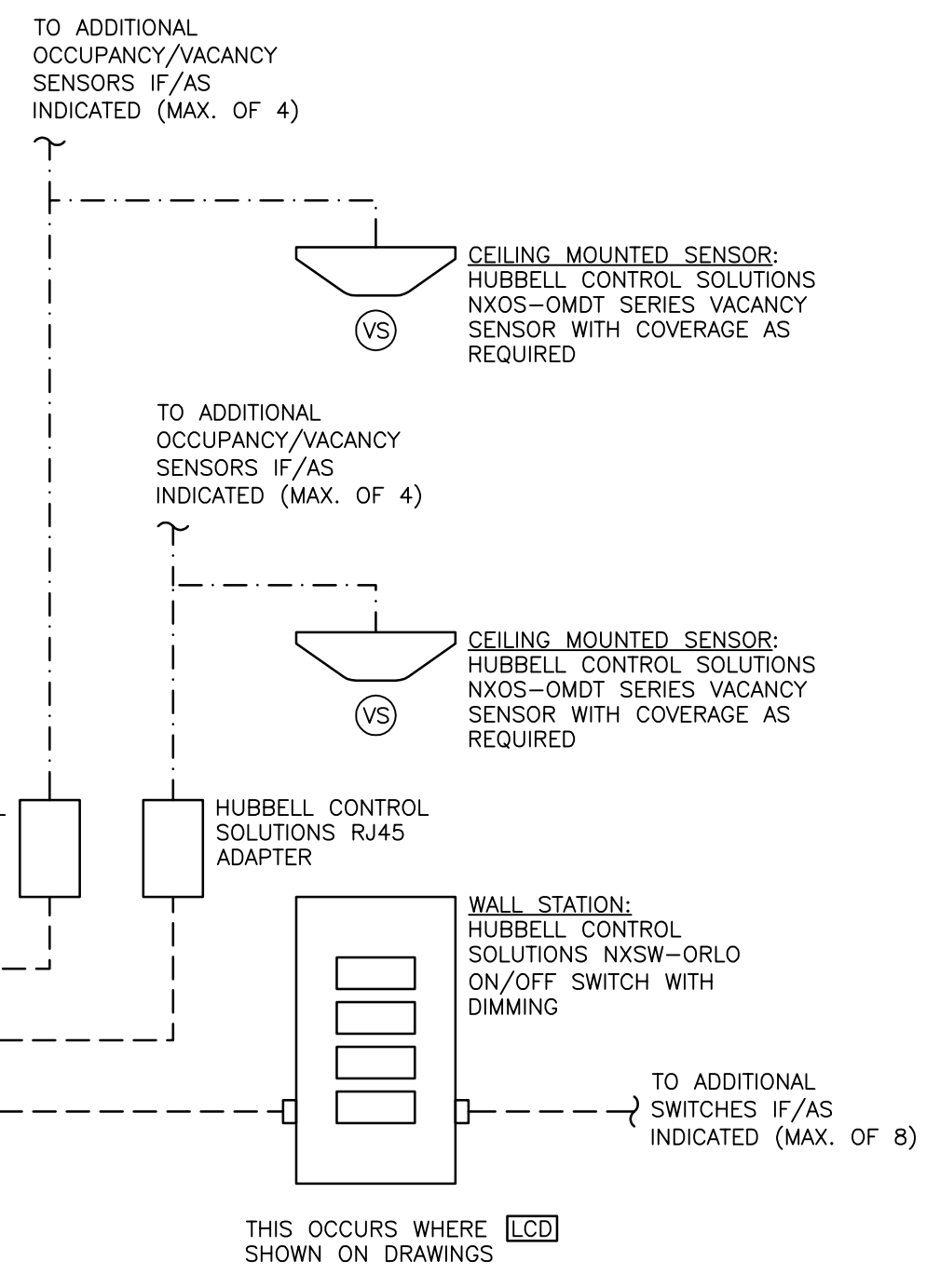


3 LIGHTING CONTROL WIRING DIAGRAM
NO SCALE (OCCUPANCY, NO DIMMING)

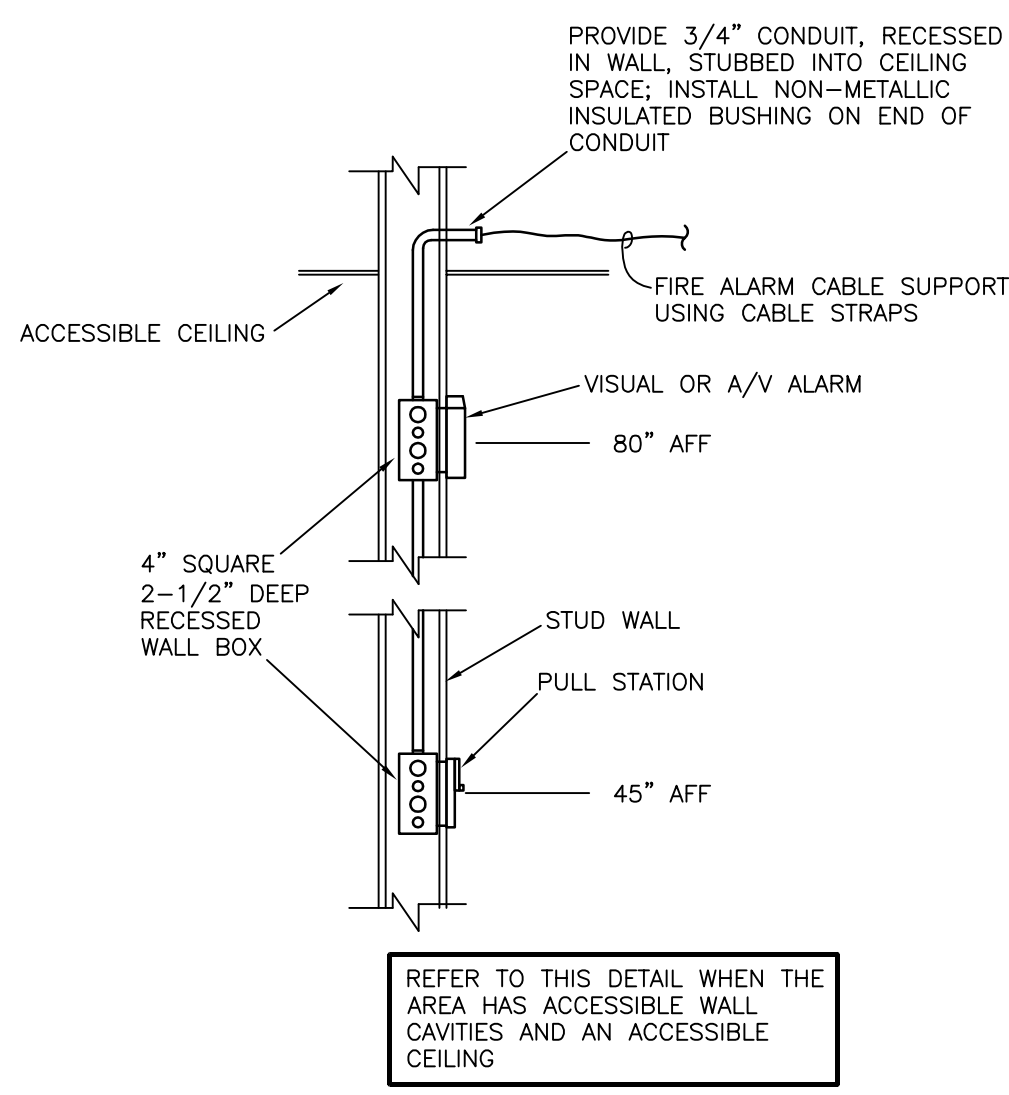
BASIS OF DESIGN: HUBBELL CONTROL SOLUTIONS; ACCEPTABLE ALTERNATES INCLUDE ACUTY rLIGHT AND LUTRON

PROVIDE ADDITIONAL RJ45 ADAPTORS AND WIRING IF/AS REQUIRED TO ACCOMMODATE NUMBER OF SENSORS

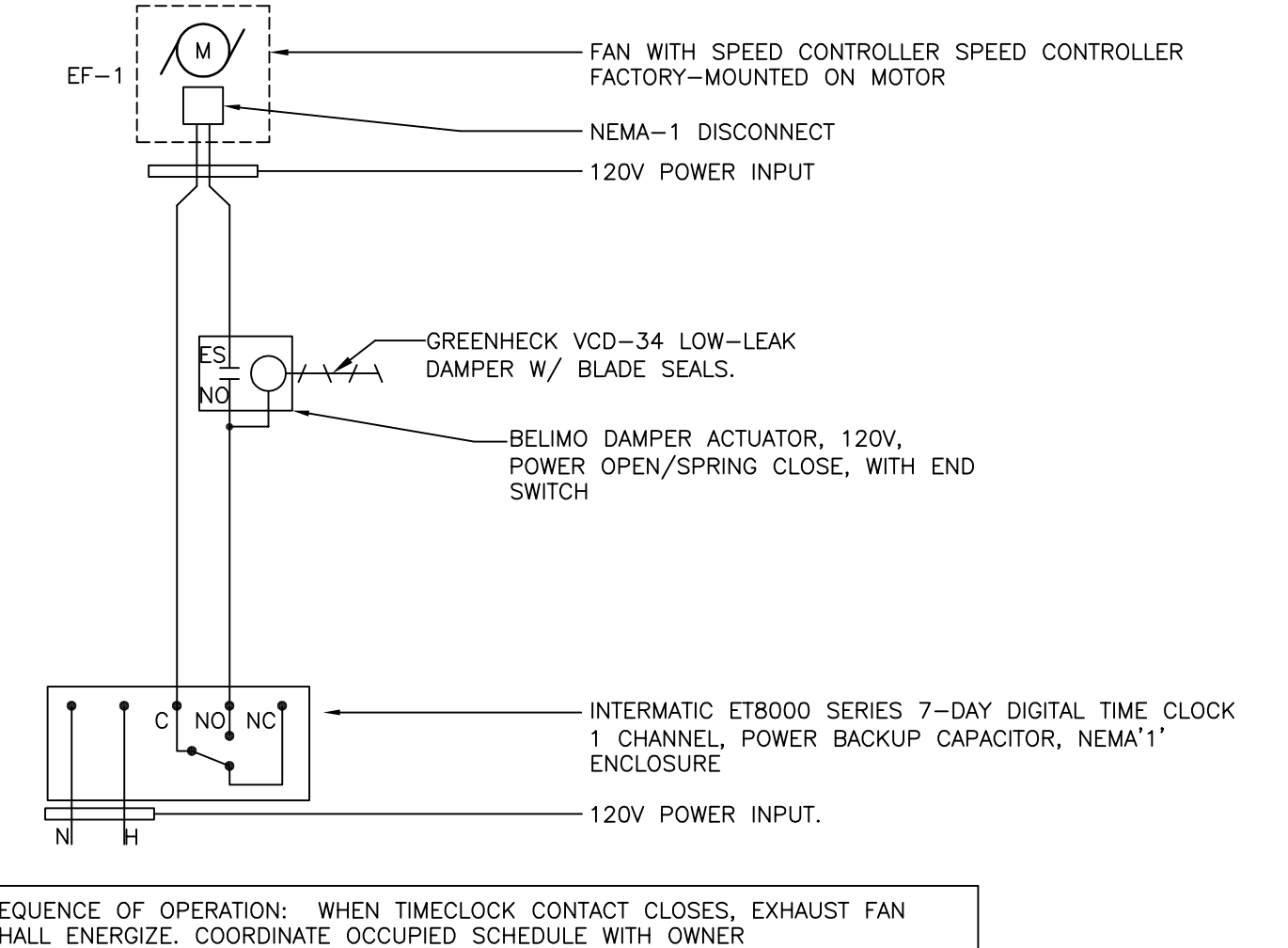
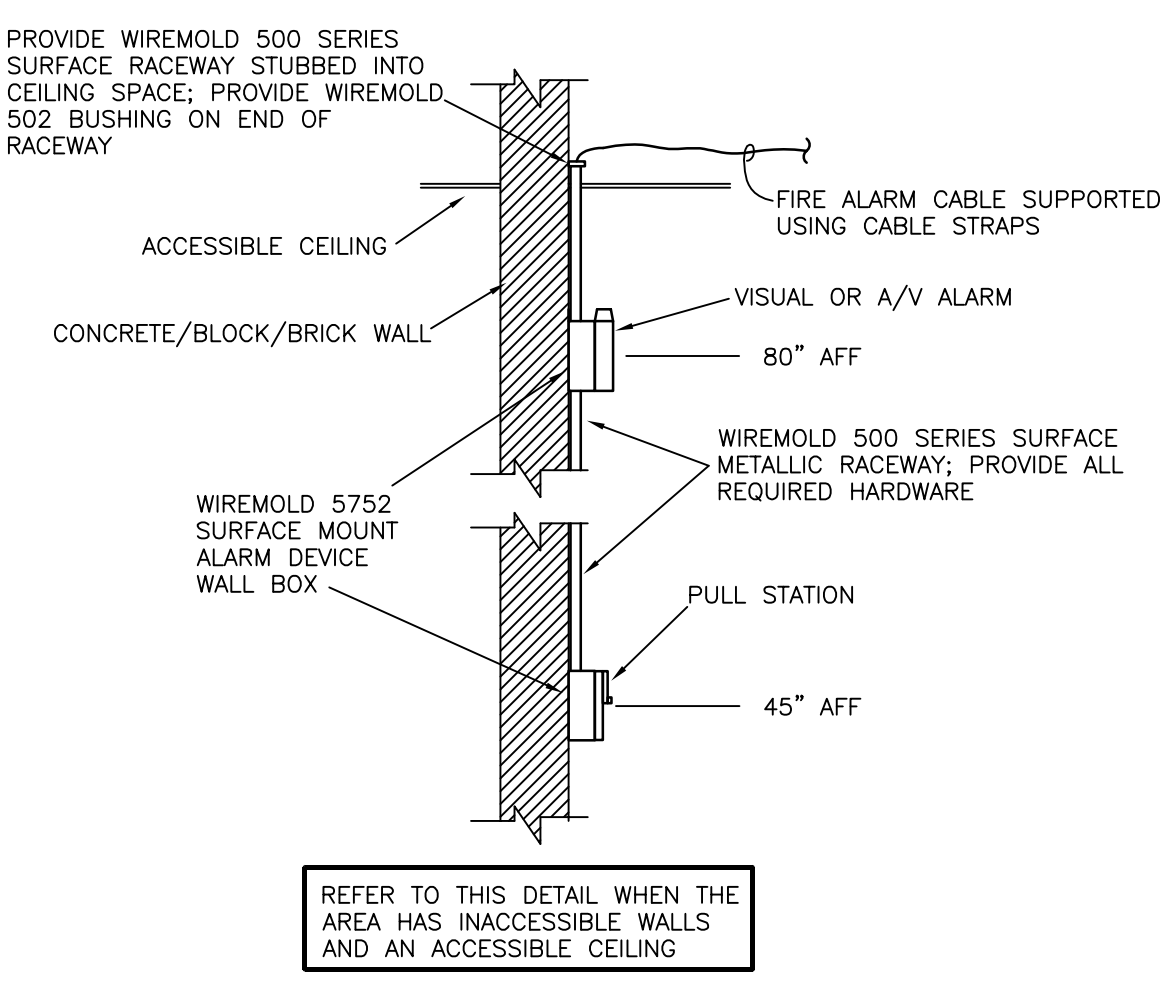
— LINE VOLTAGE CONDUIT AND WIRE OR TYPE MC CABLE
 - - - CAT. 5E PLENUM RATED CABLE, GREEN JACKET, WITH RJ45 CONNECTORS
 - - - PLENUM RATED CONTROL WIRING AS PER MANUFACTURER



4 LIGHTING CONTROL WIRING DIAGRAM
NO SCALE (VACANCY WITH DIMMING)



5 PULL STATION, VISUAL or AV ALARM BOX DETAILS
NO SCALE



6 EF-1 WIRING SCHEMATIC
NO SCALE

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Drawing Title

SCHEDULES & DETAILS

Scale: AS NOTED USA Project No.: 2022-059

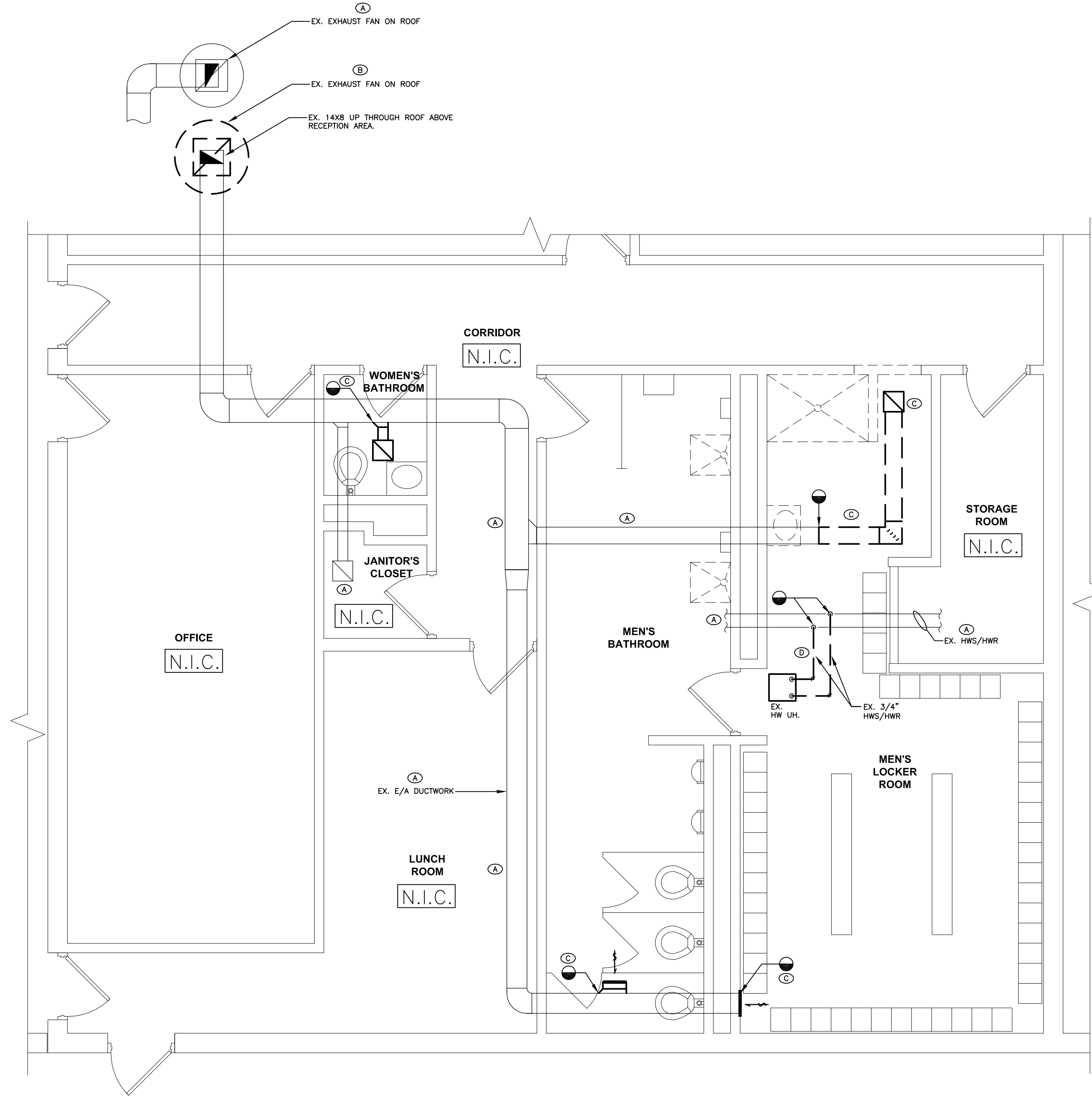
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MECHANICAL DRAWING NOTES - DEMO

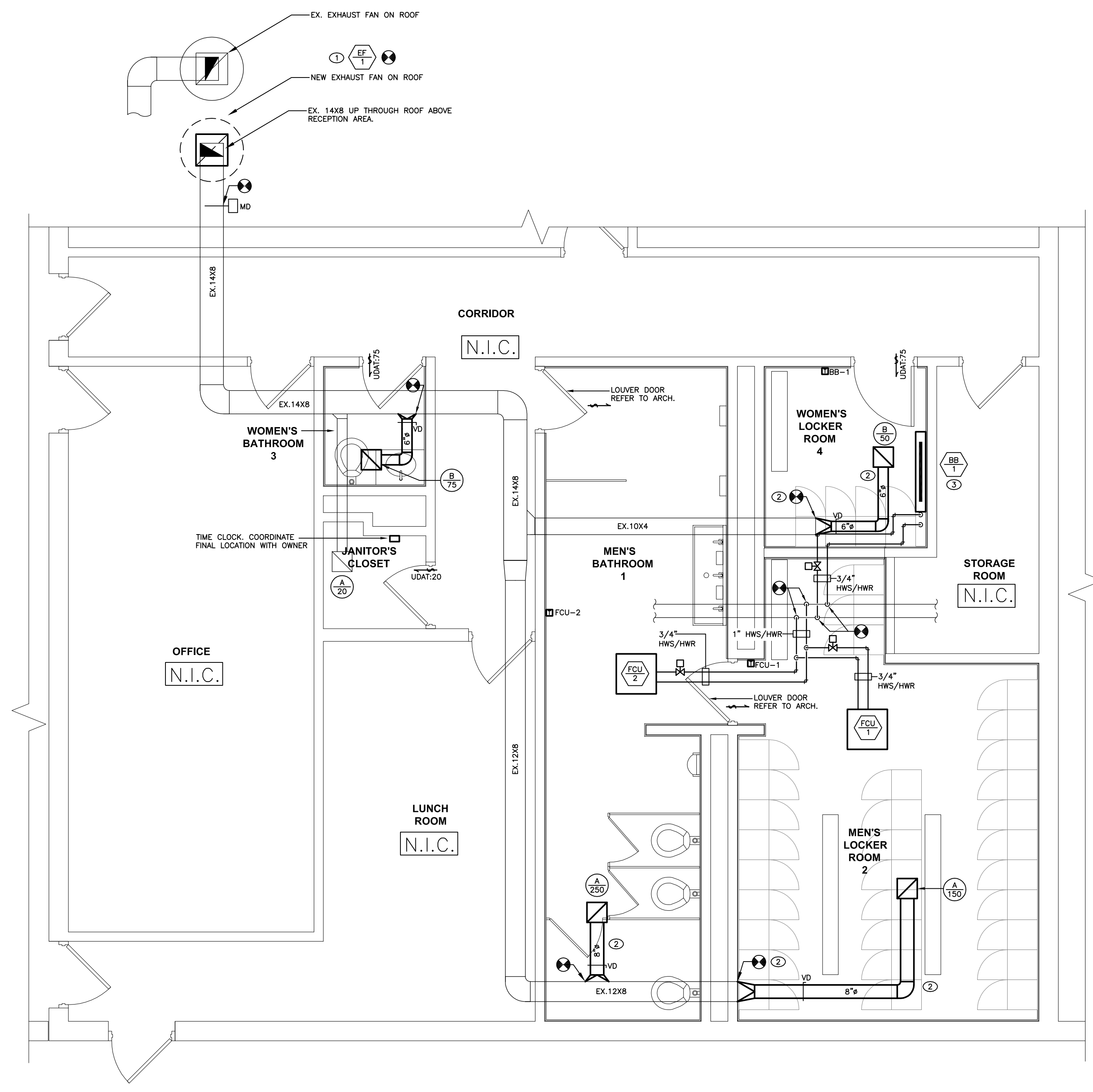
- (A) EXISTING TO REMAIN.
- (B) DISCONNECT AND REMOVE EXHAUST FAN ON ROOF, INCLUDING ALL ASSOCIATED CONTROLS. EXISTING CURB TO REMAIN FOR ADAPTATION.
- (C) DISCONNECT AND REMOVE DUCTWORK AS INDICATED, INCLUDING ALL HANGERS, MOUNTS, GRILLES, AND SUPPORTS.
- (D) DISCONNECT AND REMOVE EXISTING UNIT HEATER AND HOT WATER PIPING AS INDICATED, INCLUDING ALL HANGERS MOUNTS CONTROLS, WIRING, AND SUPPORTS.



1 PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION
 SCALE
 2' 0' 4' 8' 12'

MECHANICAL DRAWING NOTES - NEW

- (1) INSTALL NEW EXHAUST FAN ON ROOF. PROVIDE ADAPTER CURB TO ADAPT FROM EXISTING CURB TO NEW FAN. PROVIDE ALL HARDWARE REQUIRED. REFER TO DETAIL.
- (2) INSTALL NEW DUCTWORK ABOVE CEILING ASSEMBLY AND ADAPT TO EXISTING DUCTWORK WHERE INDICATED. PROVIDE ALL HANGERS, MOUNTS, TRANSITION FITTINGS, AND SUPPORTS REQUIRED. SEAL ALL DUCTWORK AIR TIGHT.
- (3) BASEBOARD TO BE AN INVERTED VALANCE TYPE APPLICATION, MOUNTED HIGH ON WALL. PIPE HWS/HWR DOWN TO BS. PROVIDE HARD PVC JACKETING OVER ANY EXPOSED PIPING. REFER TO DETAIL.



2 PARTIAL FLOOR PLAN - MECHANICAL
 SCALE
 2' 0' 4' 8' 12'



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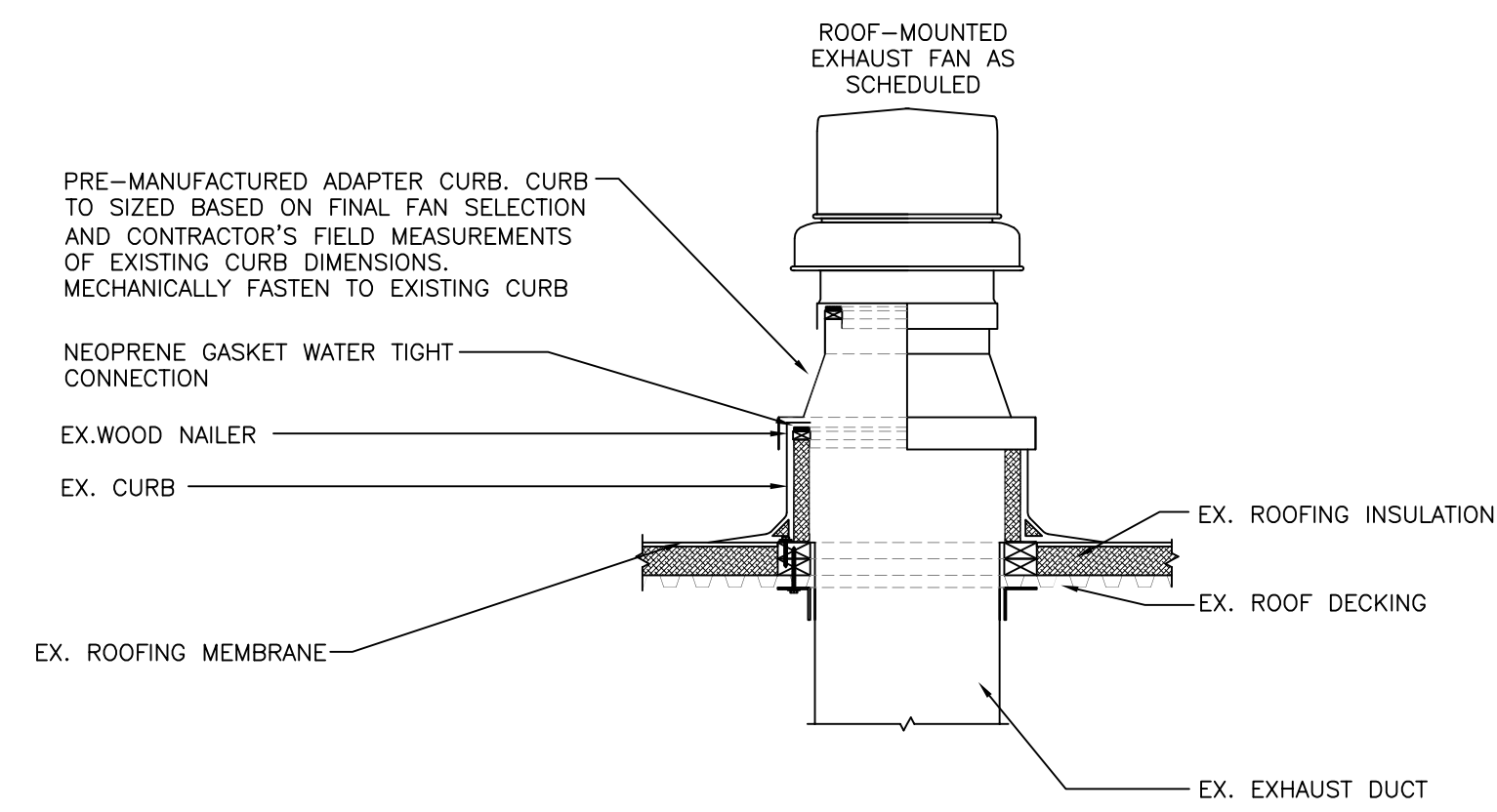
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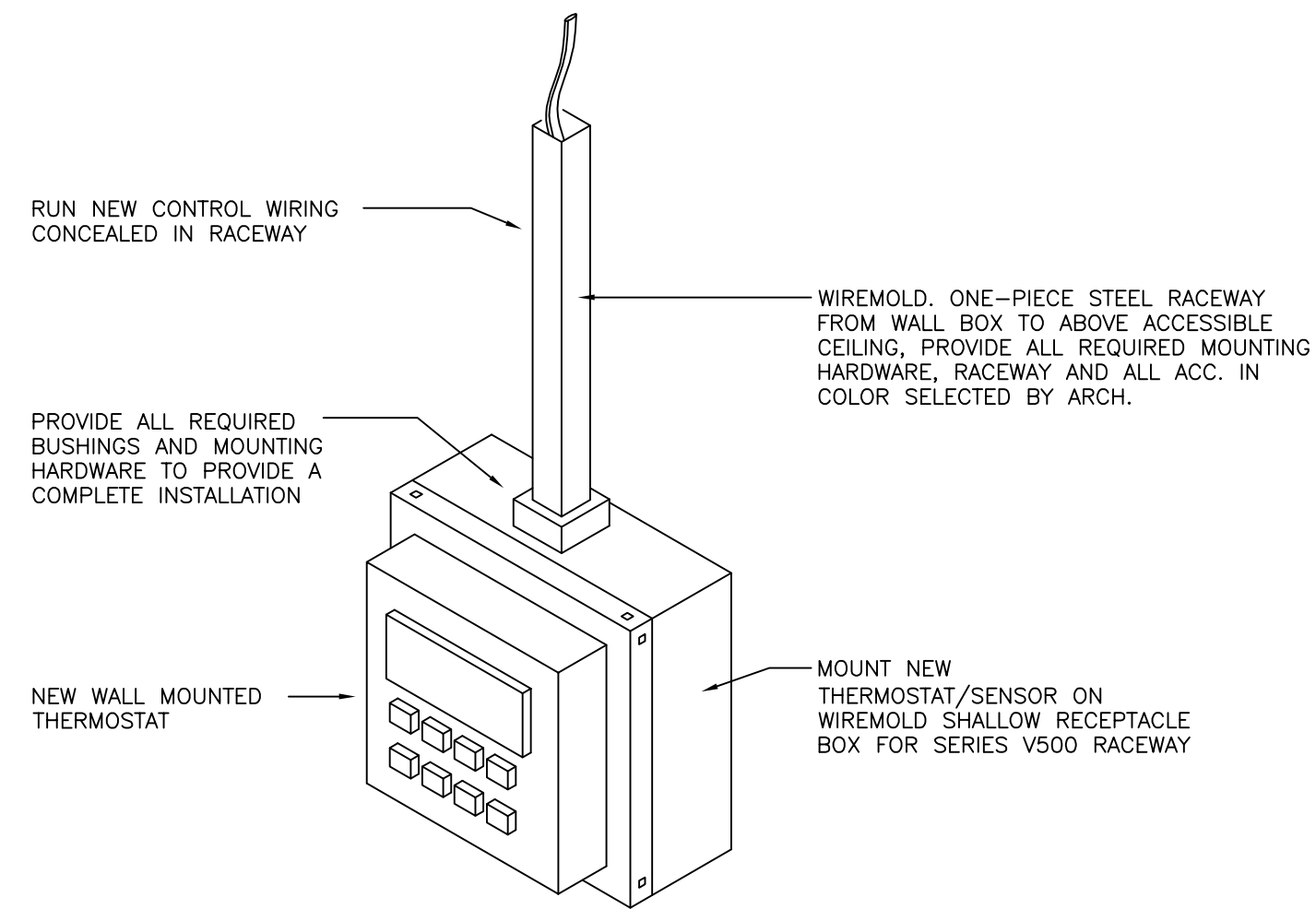
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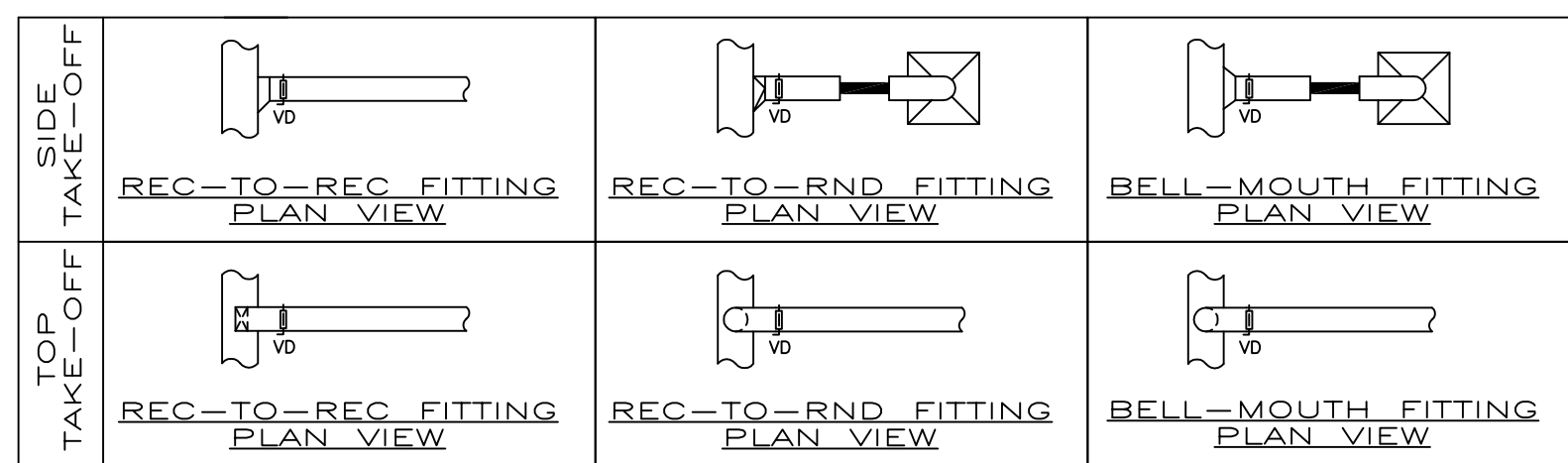
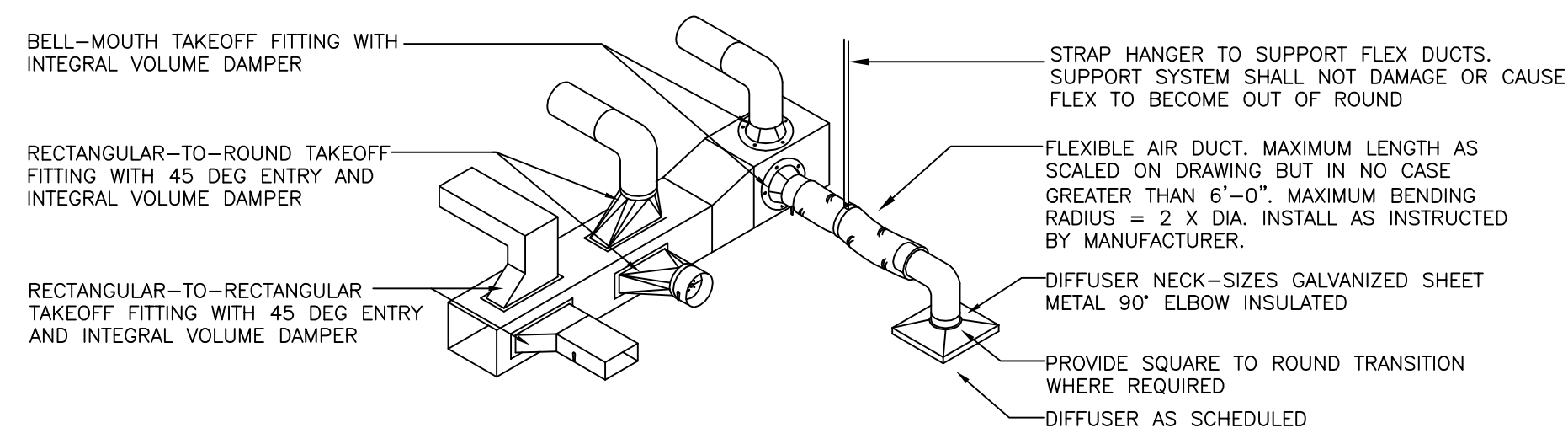
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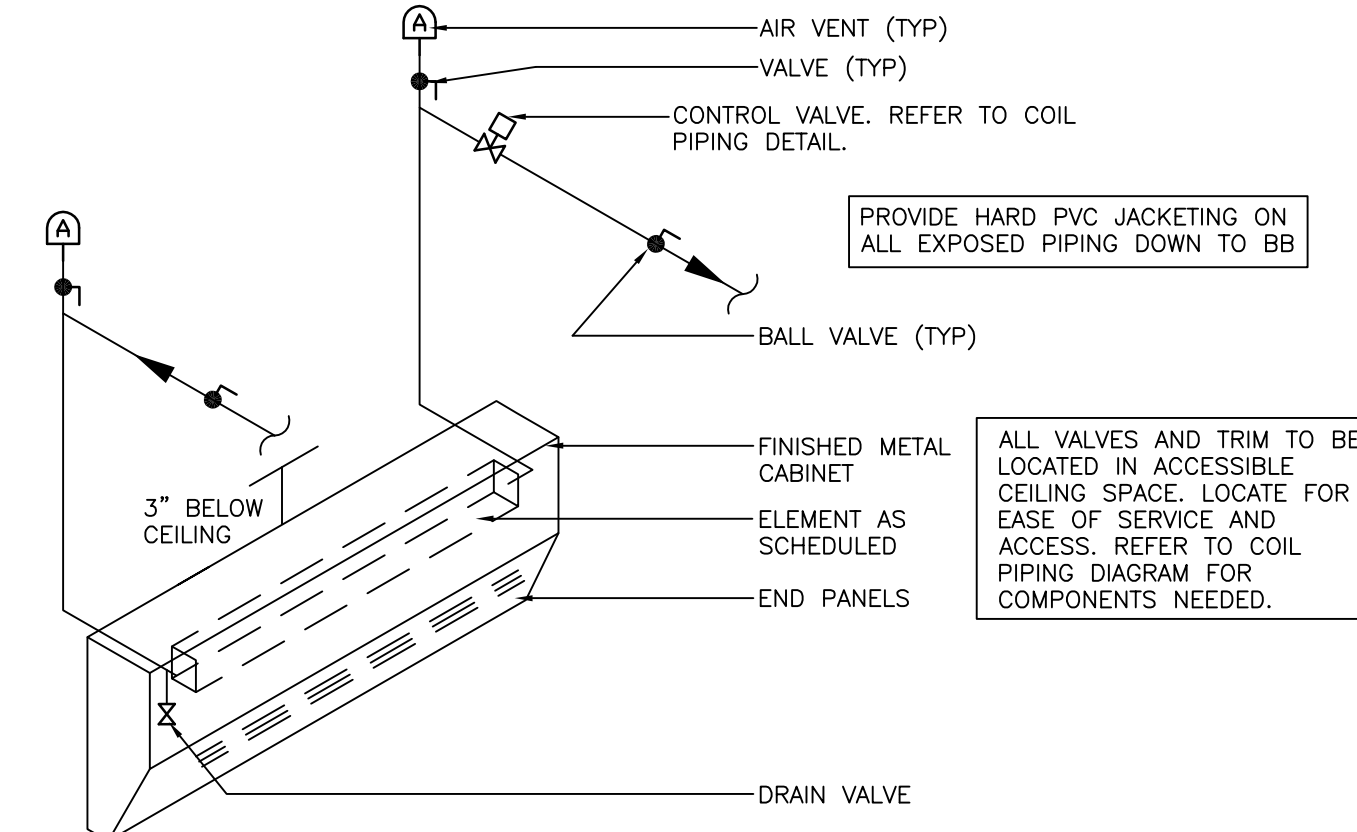
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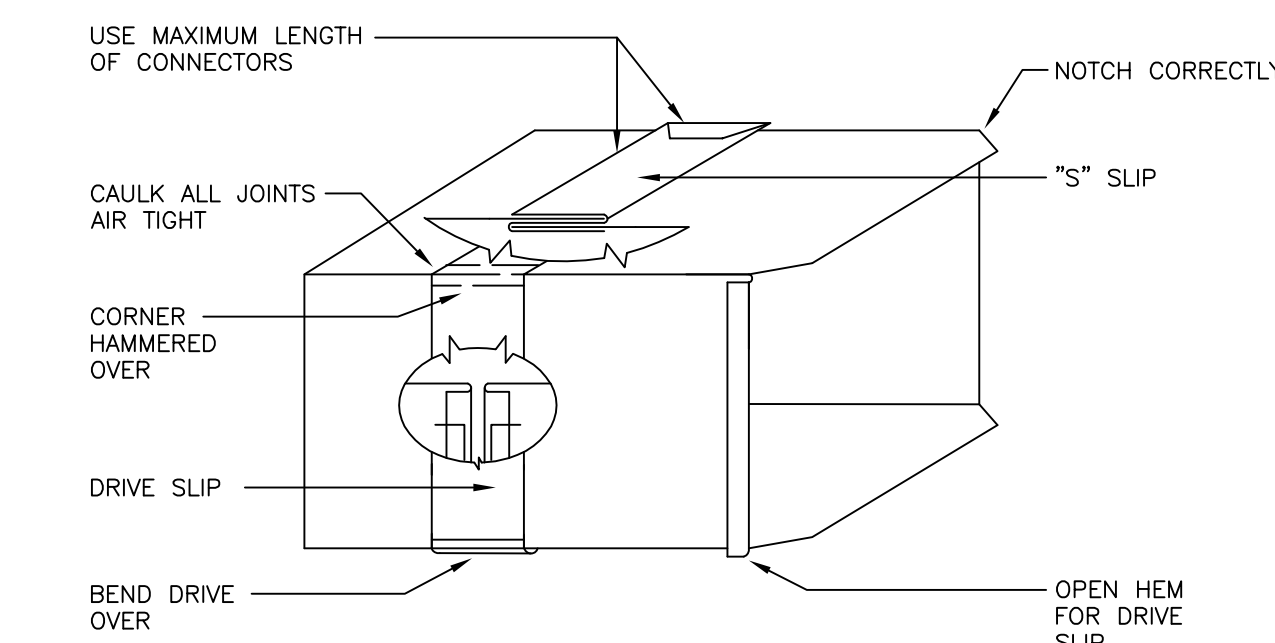
4 THERMOSTAT MOUNTING DETAIL
NO SCALE



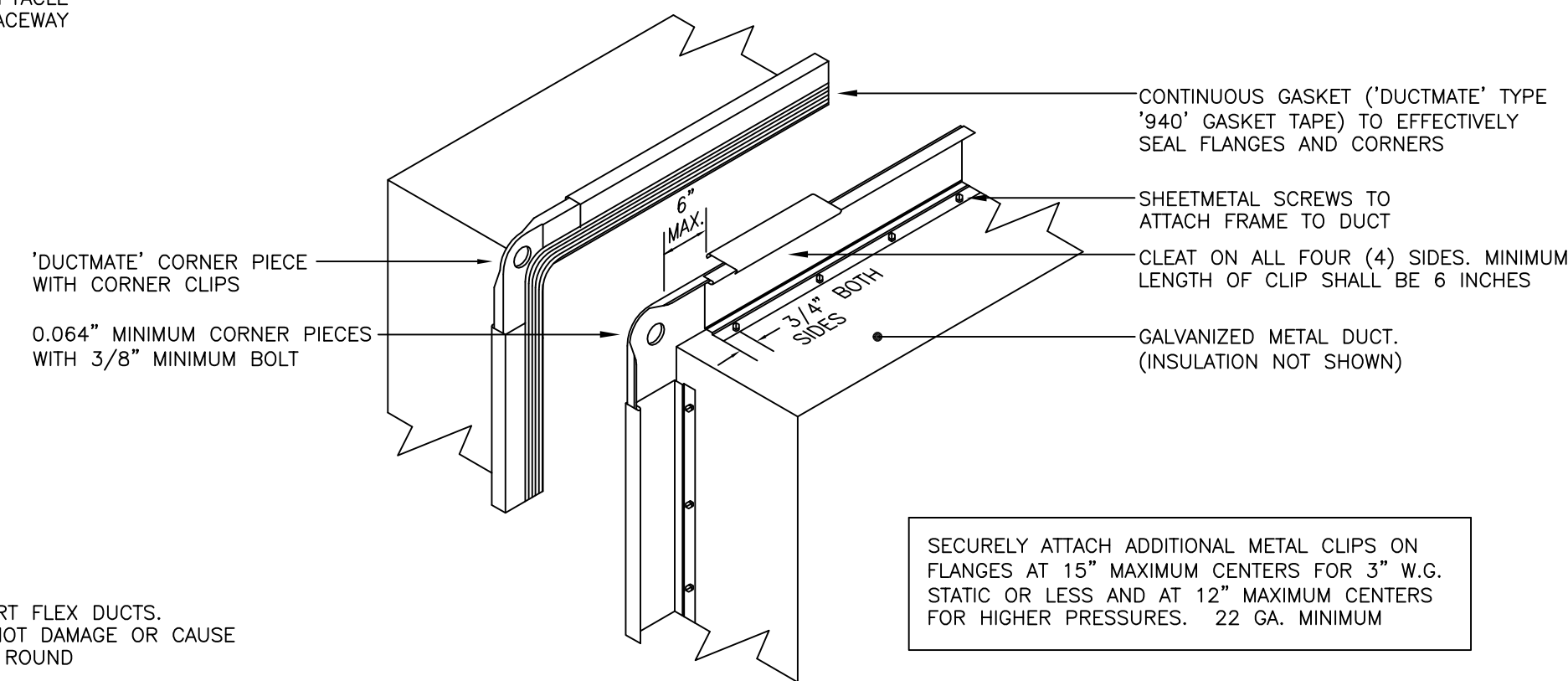
7 BRANCH DUCT AND TAKE-OFF DETAIL
NO SCALE



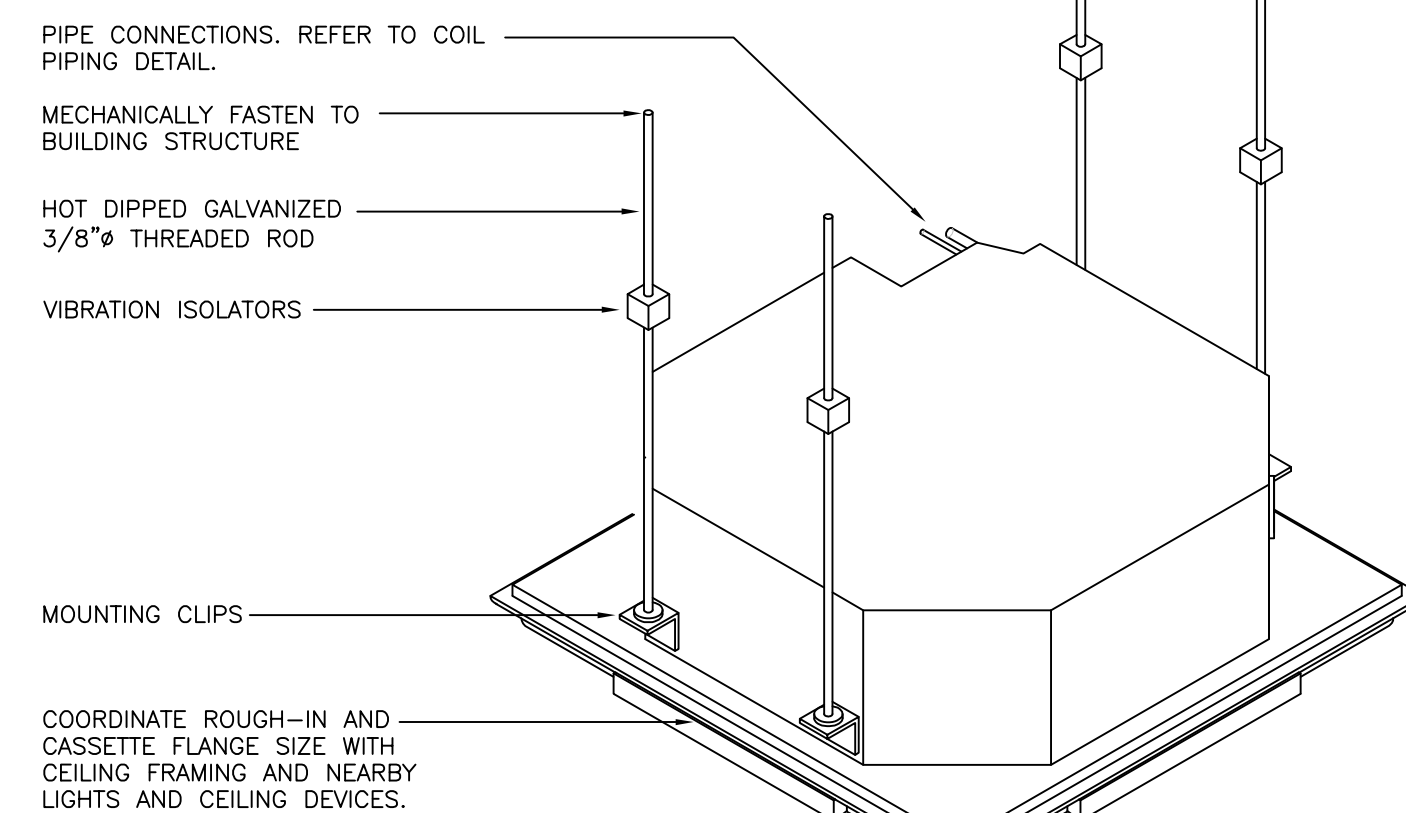
2 VALANCE HEATING PIPING DETAIL
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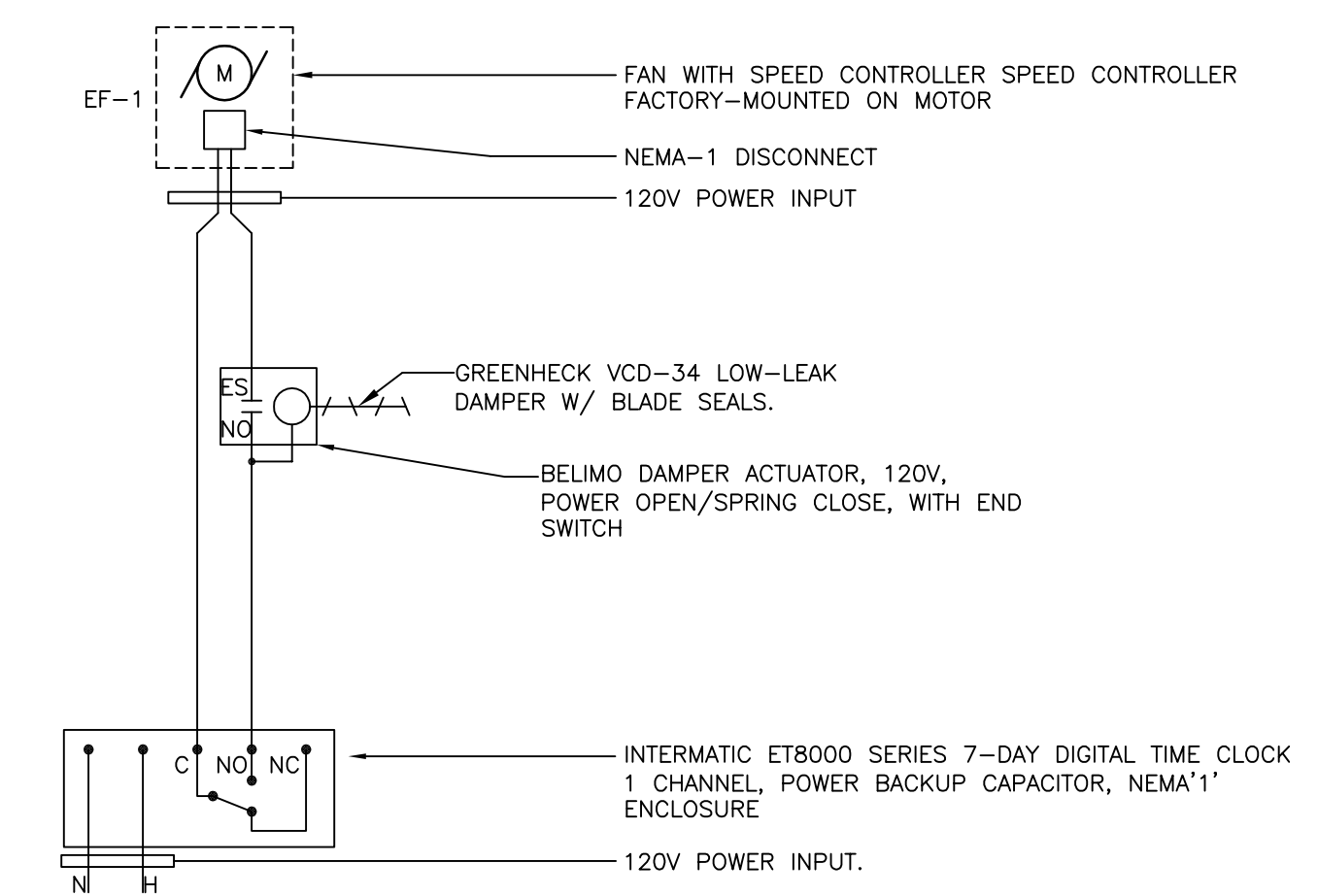
5 SLIP AND DRIVE DUCT JOINT DETAIL
NO SCALE



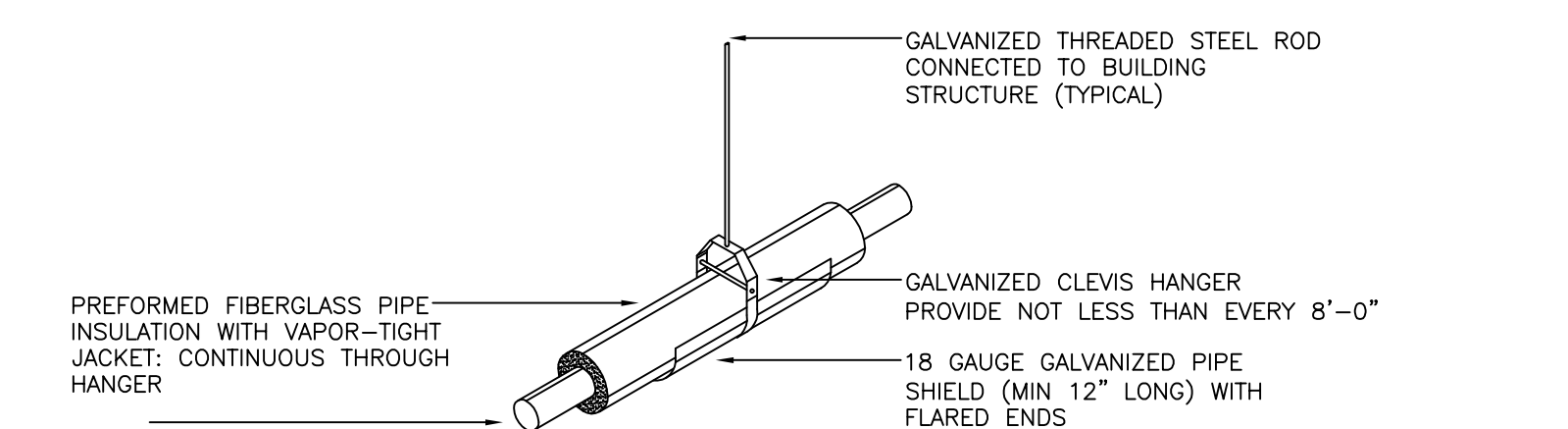
8 FLANGED DUCT DETAIL
NO SCALE



9 CEILING CASSETTE FCU MOUNTING DETAIL
NO SCALE



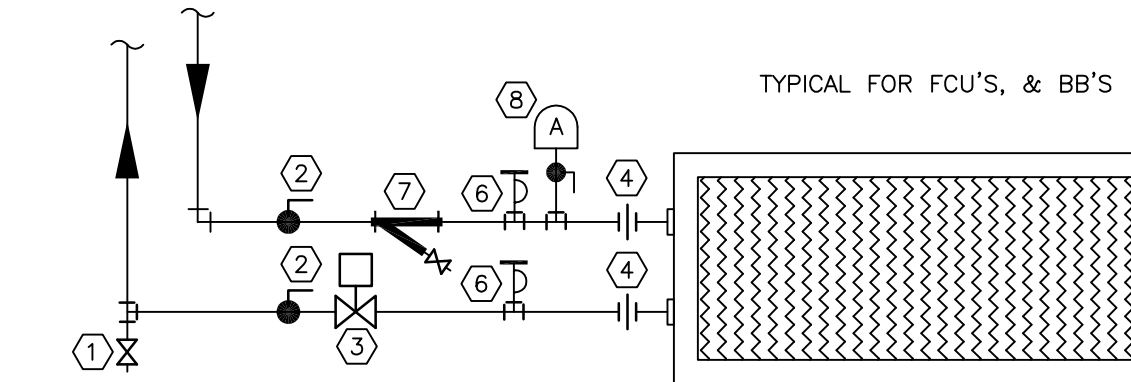
3 EF-1 WIRING SCHEMATIC
NO SCALE



6 TYPICAL PIPE HANGER DETAIL
NO SCALE

DETAIL NOTES BY SYMBOL

- 1 DRAIN VALVE (TYPICAL)
- 2 BALL VALVE (TYPICAL)
- 3 BELIMO PICCV PRESSURE-INDEPENDENT 2-WAY CONTROL VALVE
- 4 UNION (TYPICAL)
- 5 NOT USED.
- 6 TEMPERATURE/PRESSURE TEST PORT
- 7 STRAINER WITH BLOWDOWN
- 8 MANUAL AIR VENT WITH ISOLATION BALL VALVE (TYPICAL)



10 COIL PIPING DIAGRAM
NO SCALE



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NO: 21AC00116100 PA: A0001602 DE: 57-000564 MD: 17644

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PUBLIC WORKS LOCKER ROOM RENOVATION

FOR THE TOWNSHIP OF OLD BRIDGE

CONTRACT NO. 2022-59

1 OLD BRIDGE PLAZA, OLD BRIDGE, NJ 08857

PERMIT SUBMISSION 2022.07.07

PIPE SUPPORT SPACING		
PIPING MATERIAL	MAXIMUM HORIZONTAL SPACING (FEET)	MAXIMUM VERTICAL SPACING (FEET)
COPPER PIPE	12	10
STEEL PIPE	12	15

EXHAUST FAN SCHEDULE												
NUMBER	AREA SERVING	MANUFACTURER	TYPE	MODEL	MOTOR TYPE	SELECTED CFM	SET CFM	S.P.	ELEC.	MOTORIZED DAMPER	VOLTAGE	INTERLOCK WITH
EF-1	LOCKER ROOMS	GREENHECK	ROOF MOUNTED	G-095-D	DIRECT	600	545	.5	1/8 HP	YES	115	TIME CLOCK

REMARKS: EF-1
1. PROVIDE WITH ADAPTER CURB AND HINGE KIT.
2. PROVIDE EF WITH SPEED CONTROLLER MOUNTED UNDER DOME OF FAN AND SET FOR SPECIFIED SPEED.
3. PROVIDE NEMA 1 DISCONNECT.

BASEBOARD RADIATION SCHEDULE																
NUMBER	MANUFACTURER	MOUNTING	POSITION	MODEL	BTUH /FT	GPM	'F EWT	'F LWT	FLUID PROPERTIES	HW CONTROL VALVE	FINNED-TUBE			ENCLOSURE		
											MODEL	LENGTH	TIERS	LENGTH	DEPTH	HEIGHT
BB-1	RITTLING	WALL	VALANCE INVERTED	SBG3	860	1.0	180	160	CLEAR WATER	2-WAY	3/4C-2.75"x4.0"-48	3'-0"	1	4'	3-15/16"	8"

REMARKS:
1. PROVIDE ALL MOUNTING HARDWARE FOR CABINET AND FINNED TUBE.
2. COLOR SHALL BE SELECTED BY ARCHITECT. PROVIDE COLOR CHART WITH SUBMITTALS.
3. PROVIDE ALL INSIDE/OUTSIDE CORNERS, END CAPS, ETC.
4. PROVIDE ARCHITECTURAL GRILLE.
5. COORDINATE LOCATIONS OF BB WITH ARCHITECT. PROVIDE ANY MODIFICATION NEEDED.
SUBJECT TO COMPLIANCE WITH THESE SPECIFICATIONS; OTHER MANUFACTURERS THAT MAY PROVIDE EQUIPMENT INCLUDE VULCAN OR STERLING.

FAN COIL UNIT SCHEDULE																						
NUMBER	MANUFACTURER	AREA SERVING	CONFIGURATION	MODEL	HEATING COIL PERFORMANCE									COOLING COIL PERFORMANCE						ELECTRICAL DATA		
					SUPPLY CFM	EWT	LWT	MBH	GPM	WPD FT	HW CONTROL VALVE	FLUID	SUPPLY CFM	EWT	LWT	MBH	GPM	WPD FT	HW CONTROL VALVE	FLUID	VOLTAGE	MCA/MOCP
FCU-1	COMFORTWAVE/EMI	MEN'S LOCKER ROOM	CEILING RECESSED	CAW_12	360	180	150	17.1	2.0	2.0	X	CLEAR WATER	360	45	55	13	2.7	3.3	X	CLEAR WATER	120/1/60	1.2/15
FCU-2	COMFORTWAVE/EMI	MEN'S BATHROOM	CEILING RECESSED	CAW_12	360	180	150	17.1	2.0	2.0	X	CLEAR WATER	360	45	55	13	2.7	3.3	X	CLEAR WATER	120/1/60	1.2/15

REMARKS:
1. PROVIDE UNITS WITH WASHABLE AIR FILTERS.
2. PROVIDE UNITS WITH 24V WIRED THERMOSTAT 1 HEAT/1 COOL WITH AUTO CHANGEOVER. PROVIDE STEEL LOCKBOXES.
3. ADJUSTABLE AIR VANES.
4. HEAT AND COOL HW & CW 4 PIPE UNIT.
5. CAP CWS/CWR PIPES FOR FUTURE USE.
6. PROVIDE STEEL KEYED LOCKBOX FOR FCU'S. THERMOSTATS COORDINATE EXACT COLOR WITH ARCHITECT.
7. DISCONNECT INTERNAL CONDENSATE PUMP.
SUBJECT TO COMPLIANCE WITH THESE SPECIFICATIONS; OTHER MANUFACTURERS THAT MAY PROVIDE EQUIPMENT INCLUDE TRANE OR MODINE.

MECHANICAL INSULATION SCHEDULE							
SERVICE	MATERIALS	THICKNESS (EACH LAYER)	MIN R-VALUE (BTU/(H*FT2))	MIN # OF LAYERS	INSULATION JACKET/FINISH	VAPOR BARRIER	ACCEPTABLE PRODUCT
HVAC DUCTWORK: EXHAUST AIR (EXTERIOR TO MD) (WARM SIDE OF ENVELOPE)	MINERAL-FIBER BLANKET	-	R-5	-	FSK FLAME RETARDED VAPOR BARRIER WITH 25/50 FLAME SPREAD / SMOKE DEVELOPED RATING	YES	KNAUF "ATMOSPHERE DUCT WRAP"
HWS/HWR PIPE	MINERAL-FIBER PERFORMED PIPE INSULATION	PIPE < 1-1/2"; 1-1/2" THICK PIPE >= 1-1/2"; 2" THICK	-	1	WHITE FSK FLAME RETARDED VAPOR BARRIER WITH 25/50 FLAME SPREAD / SMOKE DEVELOPED RATING	YES	KNAUF "1000 PIPE INSULATION"

NOTE: INSULATION VALUES LISTED ARE MINIMUM REQUIREMENTS FOR THIS PROJECT AND MAY EXCEED THE MINIMUM REQUIREMENTS REQUIRED BY THE ENERGY SUBCODE.

GRILLE AND DIFFUSER SCHEDULE								
SYMBOL	MANUFACTURER	MODEL	SIZE	FRAME STYLE	PATTERN	MATERIAL	FINISH	VOLUME DAMPER
A	PRICE	530	16"x16"	SURFACE MOUNT	E/A OR R/A	STEEL	WHITE	N
B	PRICE	530	12"x12"	SURFACE MOUNT	E/A OR R/A	STEEL	WHITE	N

NOTES:
1. CONTRACTOR TO COORDINATE ALL FRAME STYLES WITH CEILING CONSTRUCTION.
2. CONTRACTOR TO SPRAY PAINT ALL EXHAUST AIR PLENUMS FLAT BLACK.
SUBJECT TO COMPLIANCE WITH THESE SPECIFICATIONS; OTHER MANUFACTURERS THAT MAY PROVIDE EQUIPMENT INCLUDE TITUS OR KRUEGER.

PIPE SPECIFICATIONS					
MATERIAL TYPE	PIPE SIZE (INCH)	PIPE TYPE	PIPE SPECIFICATION	FITTING TYPE	FITTING SPECIFICATION
TYPE-1	2" AND SMALLER	SCH-40 BLACK STEEL, SCREWED END	ASTM A53/A53M	CLASS 150 BLACK MALLEABLE IRON, SCREWED	ASME B16.3
TYPE-2	ALL SIZES	TYPE 'L' HARD-DRAWN COPPER	ASTM B88	WROUGHT SOLDER JOINT	ANSI B16.22

SERVICE:
1. HEATING HOT WATER: TYPE-1 OR TYPE-2


HYDRONIC VALVE SCHEDULE			
VALVE TYPE	PIPE SIZE	SPECIFICATION	ACCEPTABLE PRODUCT(S)
BRONZE BALL VALVE	2" AND SMALLER	TWO-PIECE, FULL-PORT, WITH BRONZE TRIM: MSS SP-110. SWP RATING: 150 PSIG. CWP RATING: 600 PSIG. BODY DESIGN: 2-PIECE, ENDS: THREADED OR SOLDERED. SEATS: PTFE OR TFE. STEM: BRONZE. BALL: CHROME-PLATED BRASS.	MILWAUKEE VALVE BA400
AUTOMATIC AIR VENT	-	DESIGNED TO VENT AUTOMATICALLY WITH FLOAT PRINCIPLE; BRONZE OR CAST-IRON BODY AND NONFERROUS INTERNAL PARTS; 150-PSIG WORKING PRESSURE; 240 DEG F OPERATING TEMPERATURE; WITH NPS 3/4 DISCHARGE CONNECTION AND NPS 3/4 INLET CONNECTION	



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No.	Date	Issue or Revision

Drawing Title
SCHEDULES

Scale: **AS NOTED** USA Project No. **2022-059**

Drawing Date: **07.07.2022** Drawing No. **M-600**

Drawn By: **BMI** Checked By: **CTS**

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