

Estill Co. HS ARP ESSER Field House Restroom Renovation

Irvine, Kentucky

for the

Estill County Board of Education

253 Main St, Irvine, Kentucky 40336

p 606.723.2181

BG # 22-243

RTA # 2162



101 old lafayette avenue
lexington, kentucky 40502
p 859.254.4018
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enhancing education through great design

M.E.P. ENGINEER:

CMTA, INC.

2429 Members Way

p 859.253.0892

Lexington, Kentucky 40504

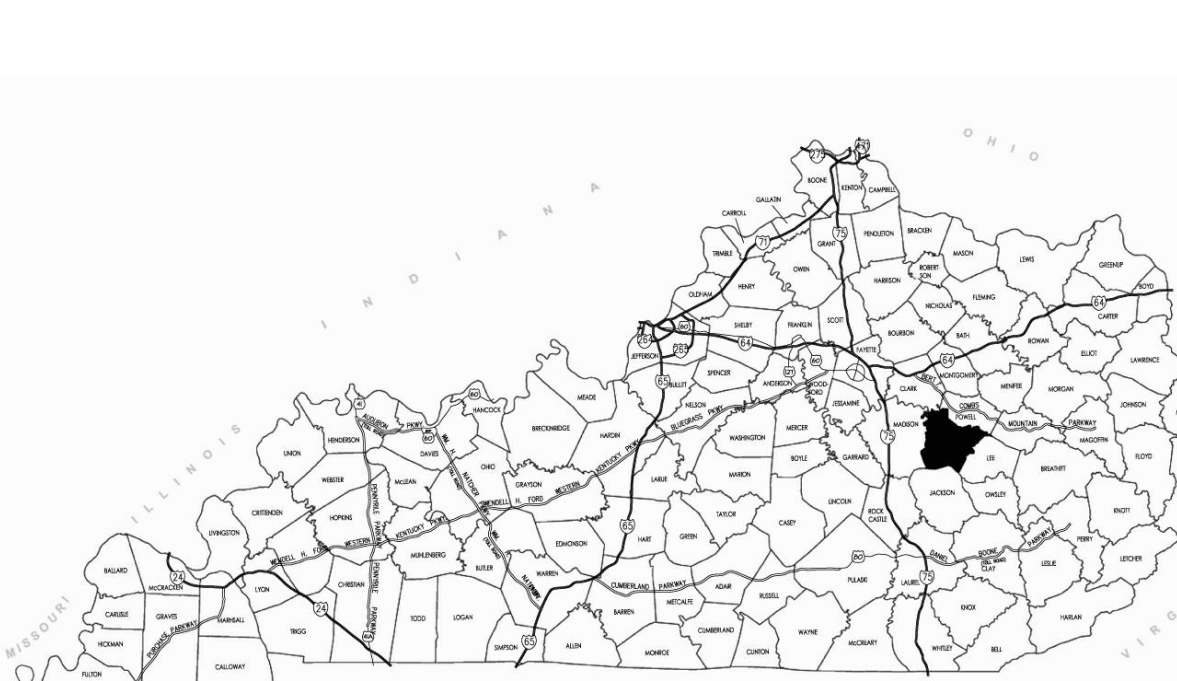
PROJECT SITE ADDRESS:

397 Engineer Rd,
Irvine, Kentucky
40336

VICINITY MAP



PROJECT VICINITY MAP



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COVER SHEET

ESTILL CO. HS ARP ESSER FIELD HOUSE RESTROOM RENOVATION

FOR:

ESTILL COUNTY SCHOOLS

IRVINE, KENTUCKY

M.E.&P. Engineer:
CMTA, Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

BG# 22-243

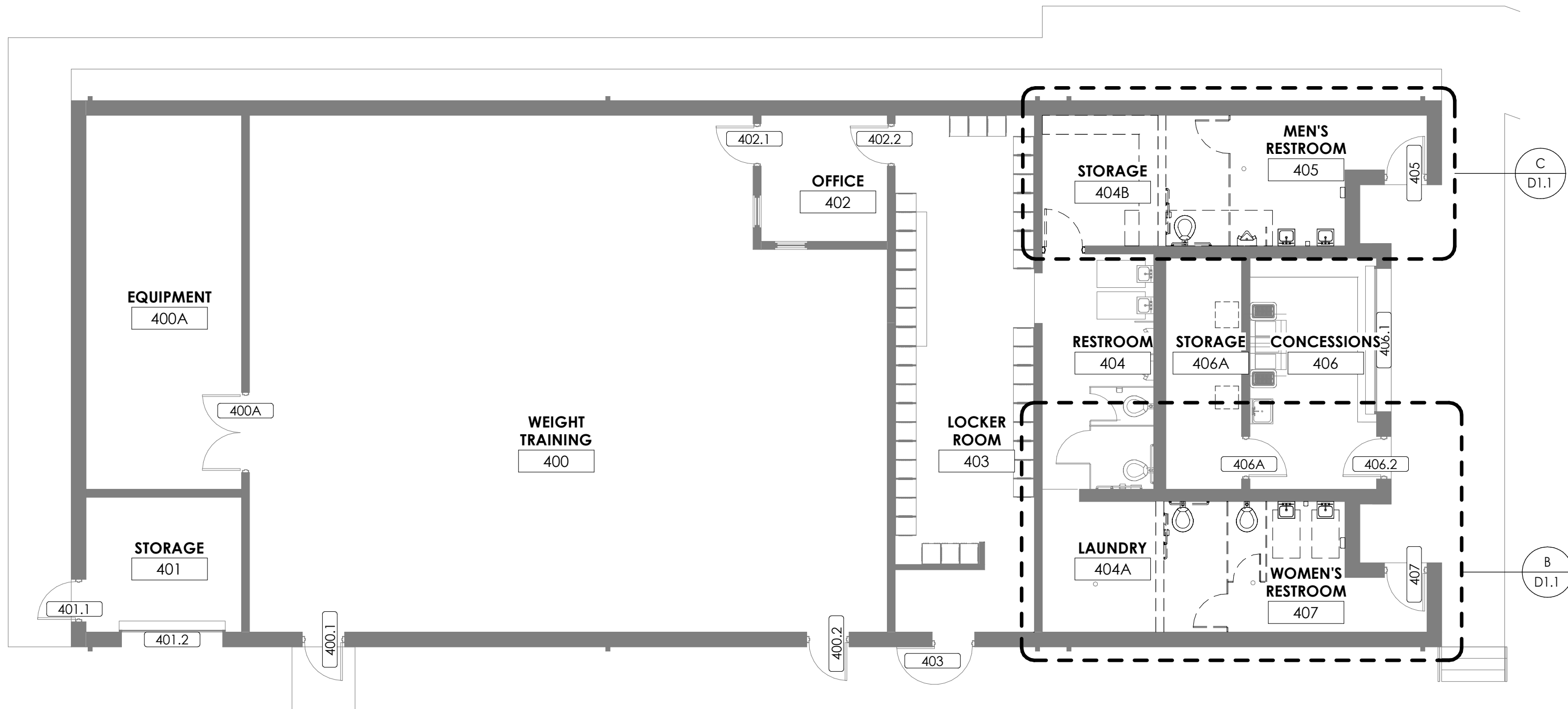
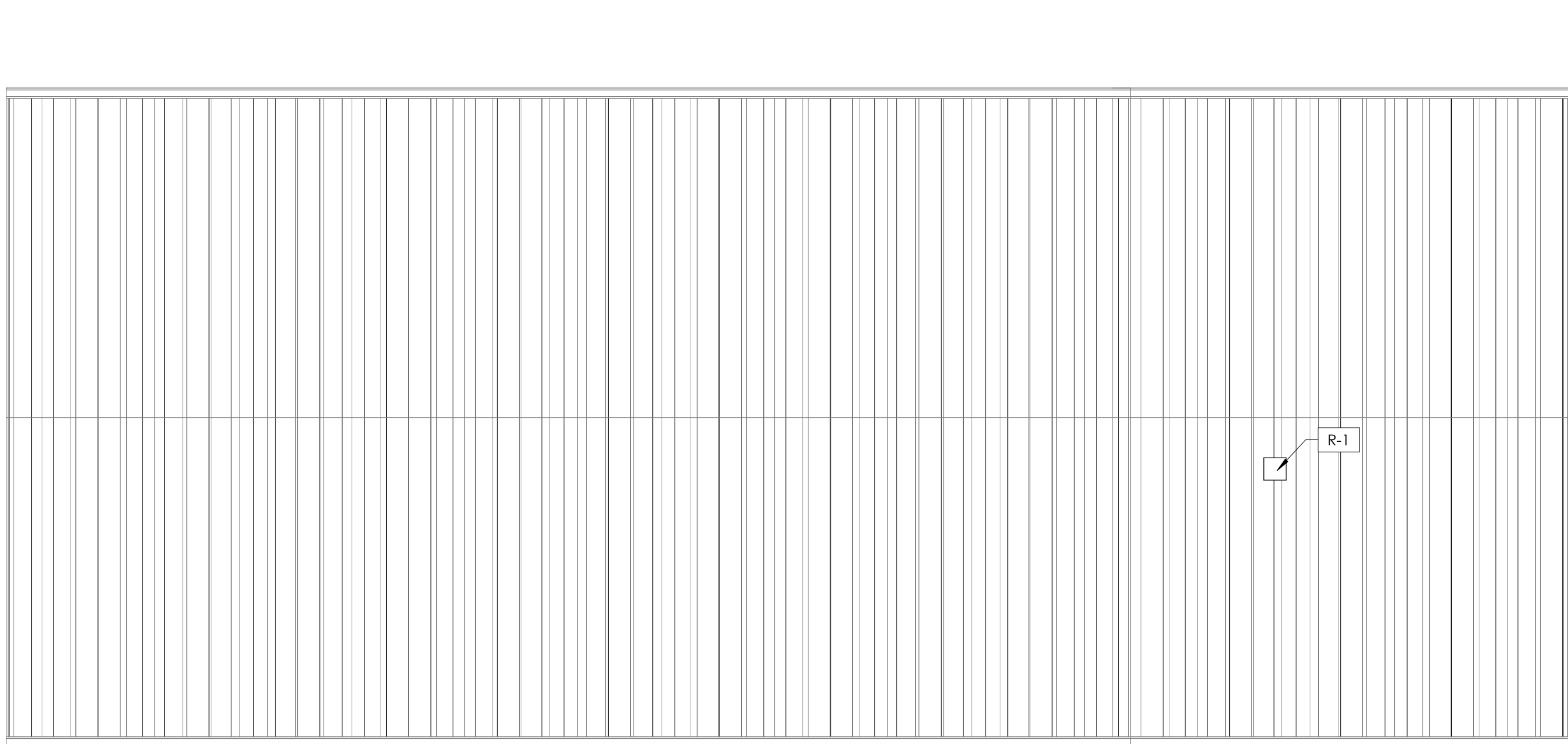
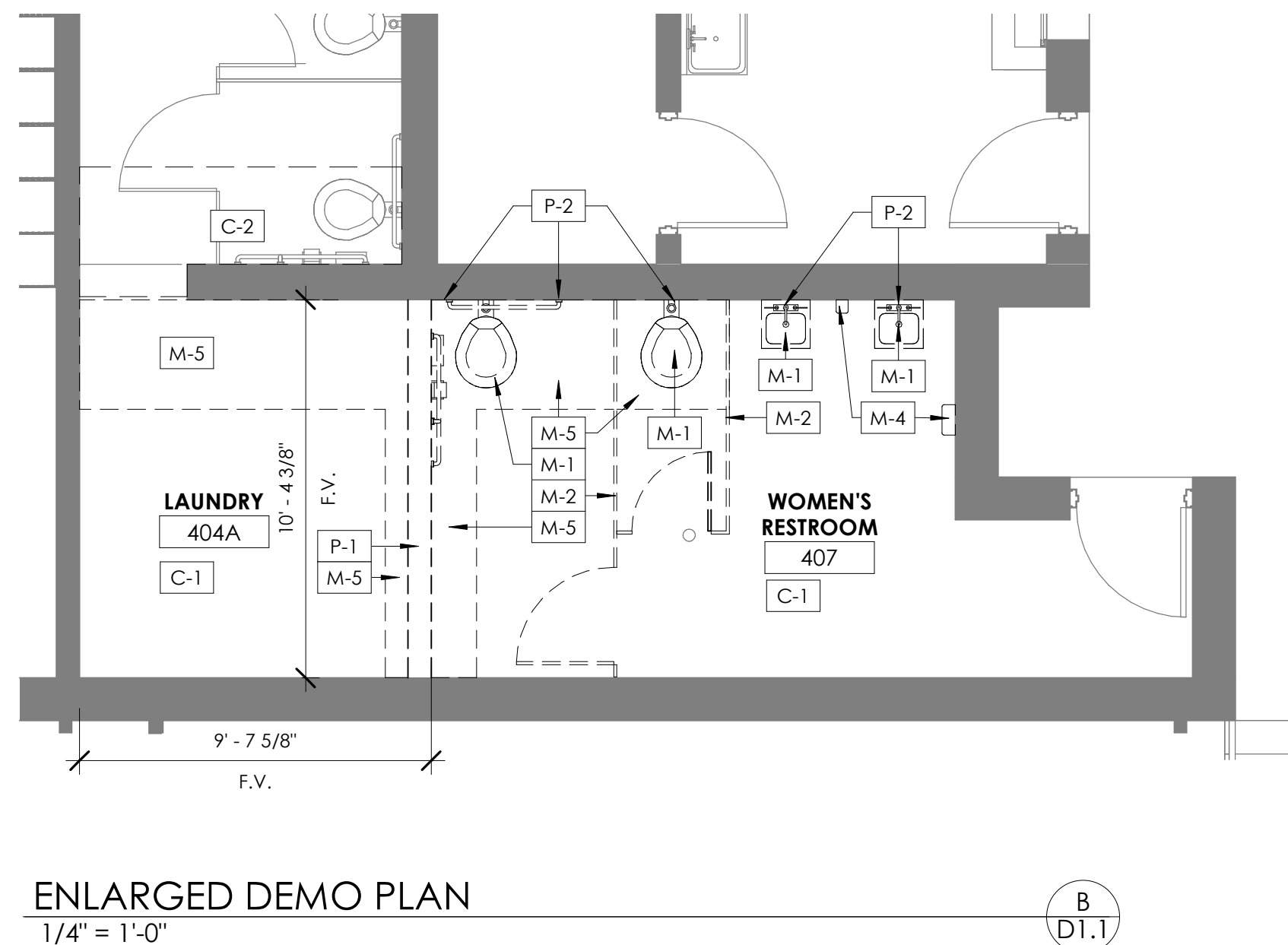
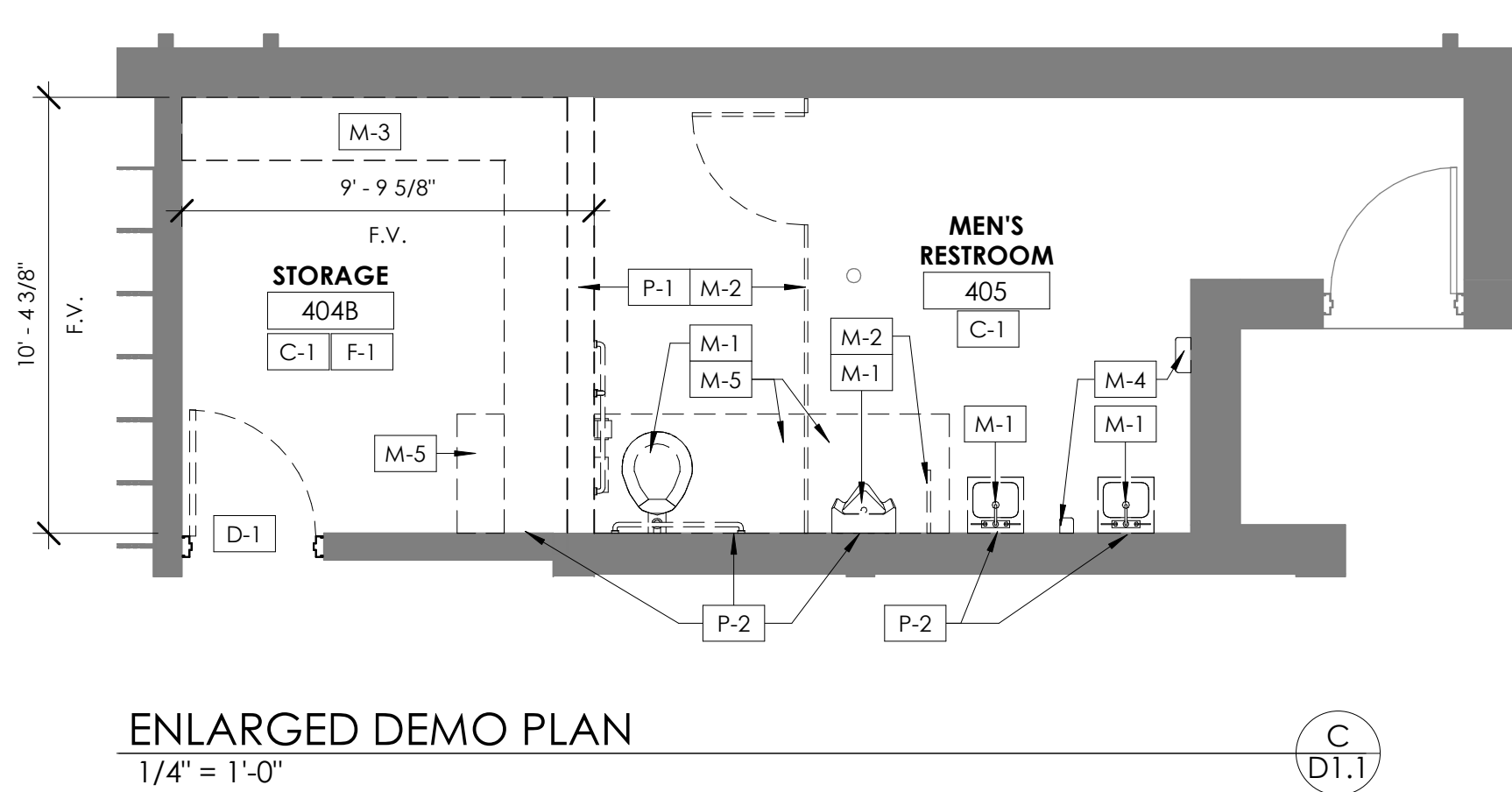
Project No: 2162
Drawn By: JR / JKM
Rev'd By: PF

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COVER SHEET

DATE ISSUED:
FEBRUARY 2022

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GENERAL DEMOLITION NOTES

1. THESE DEMOLITION PLANS ARE MEANT TO BE A CONVENIENCE TO THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE DEMOLITION NECESSARY FOR INSTALLATION OF NEW WORK WHETHER SHOWN HERE OR NOT.
2. REFER TO SECTIONS AND DETAILS FOR ADDITIONAL DEMOLITION WORK REQUIRED IN SPECIFIC AREAS OF WORK.
3. CONTRACTOR SHALL VERIFY LOAD BEARING CONCRETE WALLS PRIOR TO ANY DEMOLITION. ANY WALL FOUND TO BE LOAD BEARING WHICH IS NOT SO NOTED SHALL PROMPTLY BE LEFT TO THE DISCRETION OF THE ARCHITECT PRIOR TO ITS DEMOLITION.
4. WHERE WALLS OR OTHER ITEMS ARE REMOVED, HELL OR PATCHES IN EXISTING MASONRY SHALL BE TOOTHED INTO ADJACENT SOUND MASONRY IN FULL UNITS U.N.O. PARTIAL MASONRY UNITS SHALL BE PATCHED TO OPERATE AS A SOUND MASONRY TO ALLOW TIGHTENING, WHERE NEW MASONRY CONSTRUCTION JOINS EXISTING MASONRY WALLS, EXISTING MASONRY SHALL BE TOOTHED INTO AS NECESSARY TO PERMIT TOOTHING OF NEW CONSTRUCTION WHETHER OR NOT SUCH TOOTHING IS SPECIFICALLY NOTED ON THE DEMOLITION PLANS. OVER-DEVELOPED NEW MASONRY UNITS TO PROVIDE FINISHED OPENING, PROVIDE NEW MASONRY TIES AND HORIZONTAL REINFORCING CHAINS TO BE USED FOR NEW MASONRY CONSTRUCTION SHALL PRECISELY MATCH ADJACENT EXISTING MASONRY IN COLOR, TIE BAR PATTERN AND FINISH.
5. ALL HVAC GRILLES, LOUVERS, AND OTHER MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT WHICH IS NOT TO BE REMOVED OR CALLED OUT TO BE REMOVED SHALL BE COMPLETELY REMOVED. OPENINGS SHALL BE PATCHED WITH NEW CONCRETE OR MASONRY TO MATCH EXISTING ADJACENT CONSTRUCTION. REFER TO NOTE 1 ABOVE AND MEP DRAWINGS OF RELATED ITEMS.
6. EXISTING DOORS AND FRAMES SHOWN IN WALL TO BE DEMOLISHED SHALL BE REMOVED. PATCH AS NOTED. REMOVE ALL OTHER MATERIALS INCLUDING WITHIN THE WALL. DO NOT BE USED. REMOVE ALL WALL MOUNTED ITEMS WHICH ARE NOT SPECIFICALLY INDICATED TO BE REMOVED BUT DO NOT INTERFERE WITH THE INSTALLATION OF FINISHED CONSTRUCTION. OTHER SALVAGED ITEMS WHICH ARE NOT INDICATED TO BE REUSED IN THE CONSTRUCTION OR REUSE OF THE WALL MAY BE SALVAGED BY THE CONTRACTOR AND REMOVED FROM THE SITE.
7. WHERE ANY EXISTING EQUIPMENT OR CASEWORK IS REMOVED, REMOVE ALL ASSOCIATED ATTACHMENT DEVICES, ANCHORS ETC. PATCH AND REPAIR EXISTING FINISHES.
8. REFER TO THE DEMOLITION PLANS FOR NEW WORK TO BE INSTALLED.

DEMOLITION NOTES

C-1 REMOVE GYP BOARD CEILING IN ITS ENTIRETY, REFER TO NEW WORK FOR ADDITIONAL INFORMATION.

C-2 REMOVE PORTION OF GYP BOARD CEILING, REFER TO PLUMBING & MECHANICAL DWGS FOR EXTENT OF WORK, PATCH AND REPAIR GYP BOARD CEILING FOR NEW FINISH.

DOOR DEMOLITION NOTES:

D-1 REMOVE PORTION OF METAL FRAME, DOOR(S), AND GLAZING IN ENTIRETY, REFER TO PLANS FOR NEW WORK IN ENTIRETY.

F-1 REMOVE EXISTING RESILIENT FLOORING & BASE IN ENTIRETY.

MISCELLANEOUS DEMOLITION:

M-1 REMOVE PLUMBING FIXTURE IN ITS ENTIRETY, REFER TO PLUMBING DWGS AND COORDINATE WITH NEW WORK.

M-2 REMOVE PARTITION WALL, DEMOLITION DOORS, AND STALL ACCESSORIES IN THEIR ENTIRETY.

M-3 REMOVE CASEWORK IN ALL ITS ENTIRETY.

M-4 REMOVE WALL MOUNTED ACCESSORY.



PARTITION DEMOLITION CATEGORY:

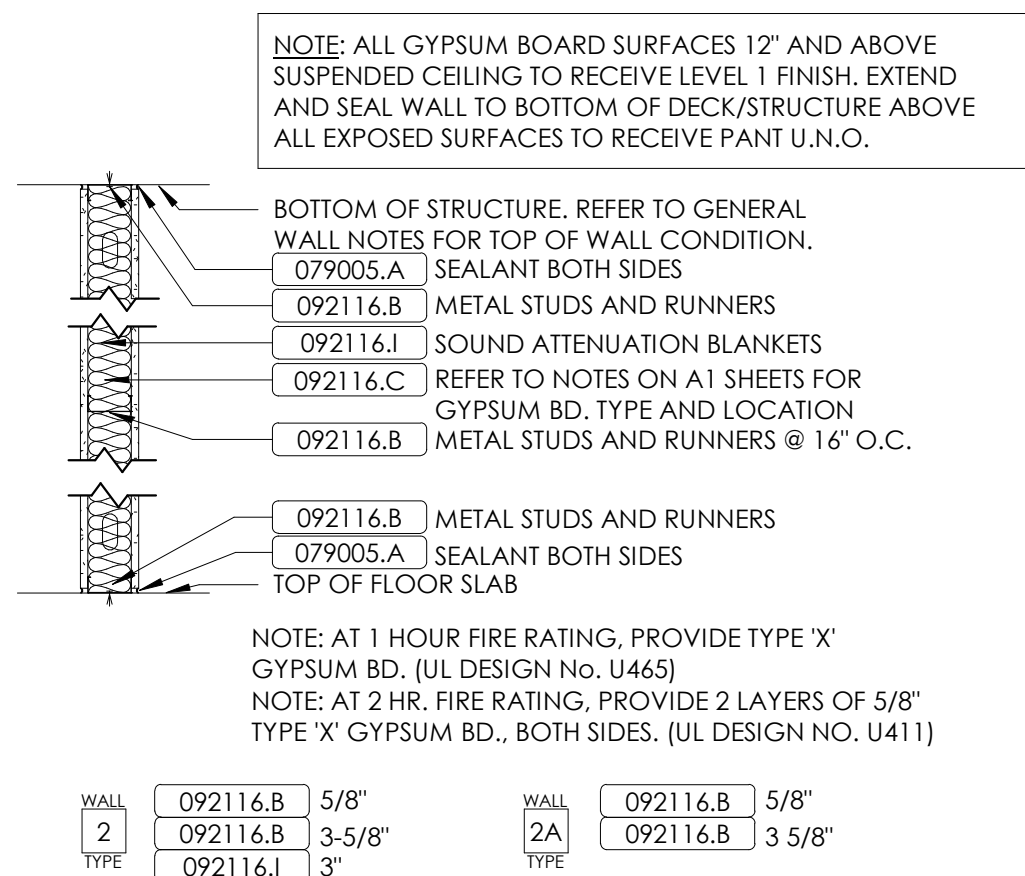
P-1 REMOVE PORTION OF EXISTING WALL, EXISTING WALL MAY BE A BEARING WALL, SHORE AND BRACE AS NECESSARY PRIOR TO DEMOLITION.

P-2 REMOVE PORTION OF WALL TO ACCESS PLUMBING AS REQUIRED, COORDINATE WITH PLUMBING DWGS, REFER TO NEW WORK FOR ADDITIONAL INFORMATION.

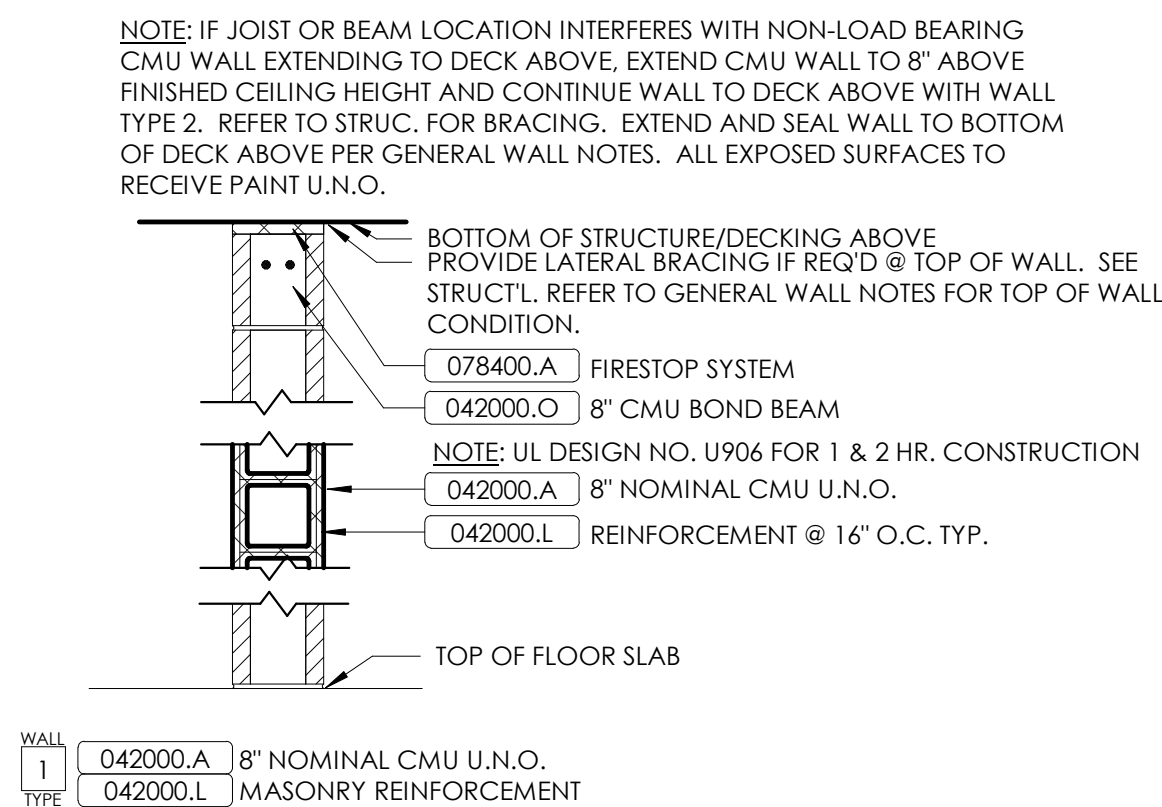
ROOF DEMOLITION CATEGORY:

R-1 REMOVE PORTION OF METAL ROOF AND DECKING FOR MECHANICAL PENETRATION, REFER TO MECHANICAL DWGS AND NEW WORK FOR ADDITIONAL INFORMATION.

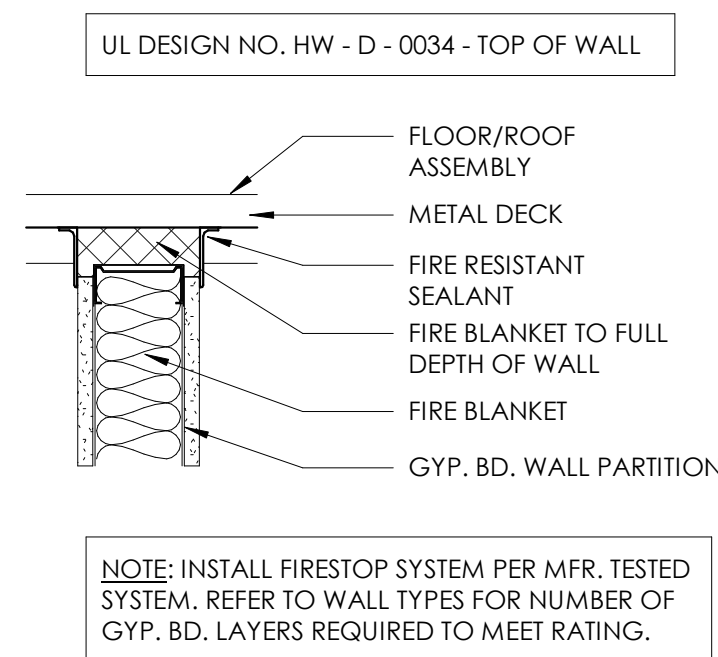
		101 old clayette avenue lexington, kentucky 40502 p 859-254-4018	
			
<div>FIELD HOUSE DEMOLITION PLANS</div> <div>ESTILL CO. HS ARP ESSER FIELD HOUSE RESTROOM RENOVATION</div> <div>FOR:</div> <div>ESTILL COUNTY SCHOOLS</div> <div>IRVINE, KENTUCKY</div>			
<div>M.E.&P. Engineer:</div> <div>CMTA, Inc.</div> <div>2429 Members Way</div> <div>Lexington, KY 40504</div> <div>p 859-253.0892</div>			
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<div>D1.1</div> <div>FIELD HOUSE DEMOLITION</div> <div>DATE ISSUED:</div> <div>FEBRUARY 2022</div>			

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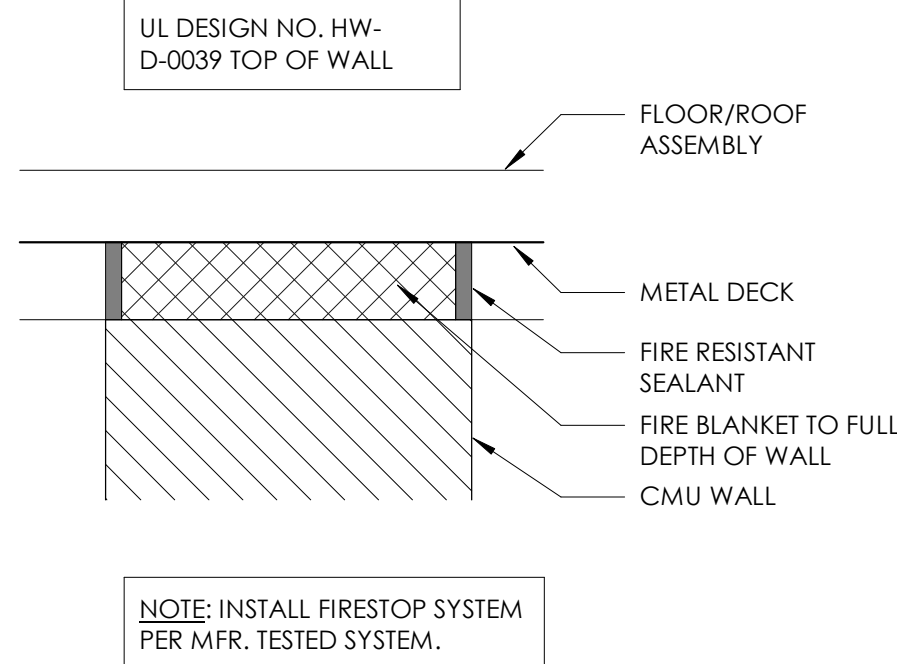
INTERIOR GYPSUM BOARD PARTITION "2"
N.T.S.



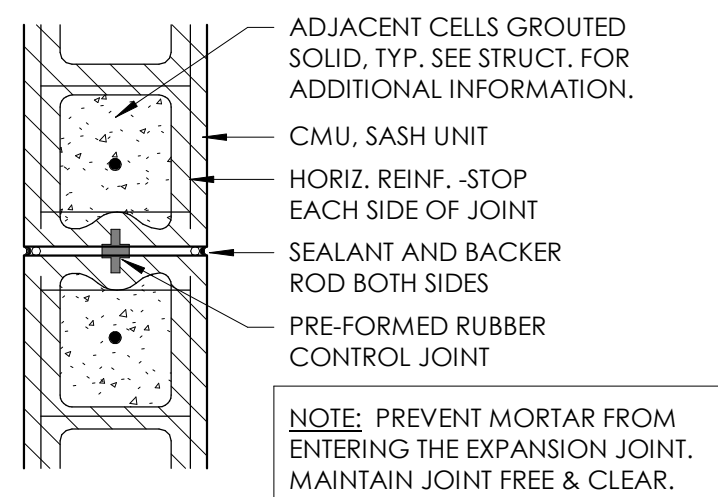
INTERIOR CMU PARTITION "1"
N.T.S.



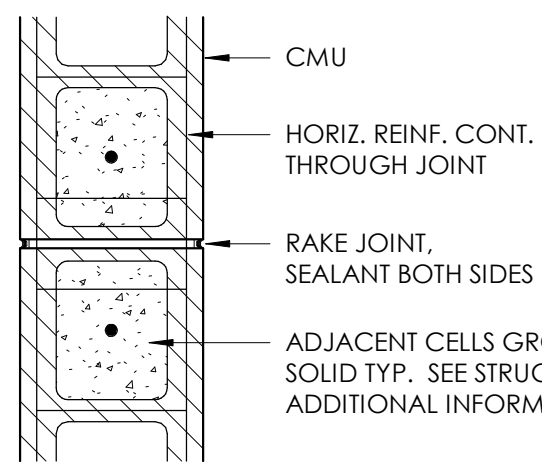
SMOKE PARTITION, 1HR/2HR FIRESTOP @ GWB
N.T.S.



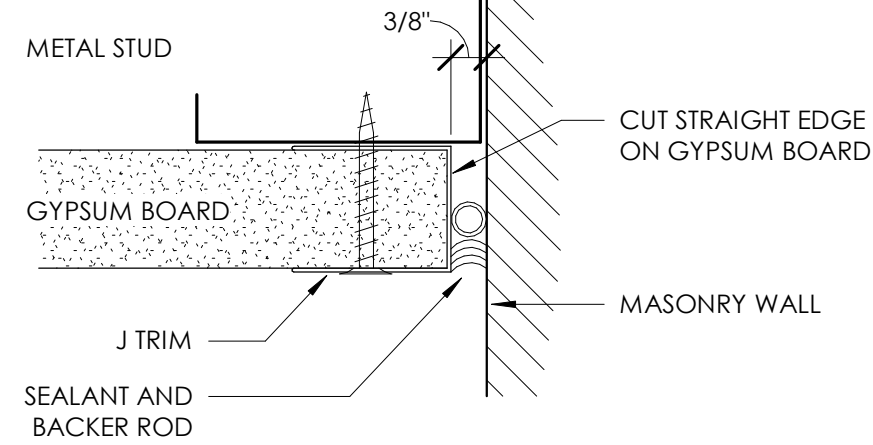
SMOKE PARTITION, 1HR/2HR FIRESTOP @ CMU
N.T.S.



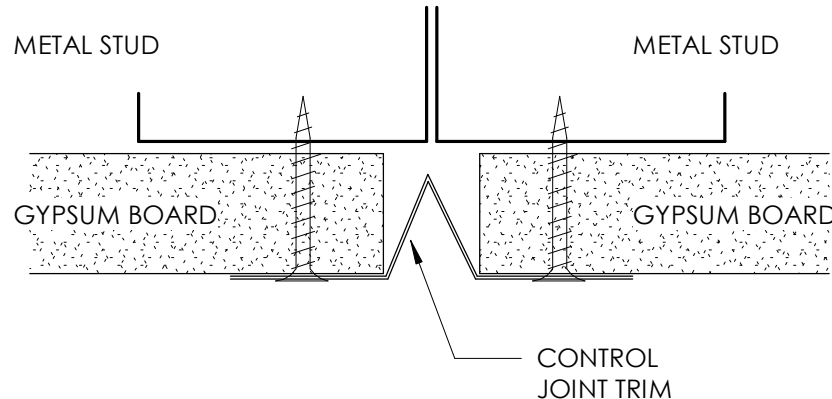
TYP. CMU EXPANSION JOINT DETAIL
N.T.S.



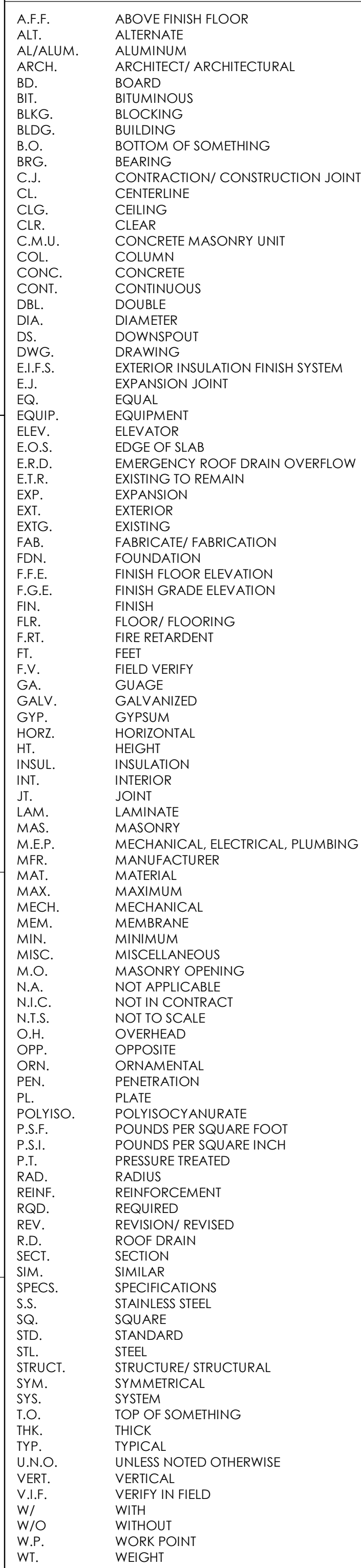
TYP. CMU CONTROL JOINT DETAIL
N.T.S.



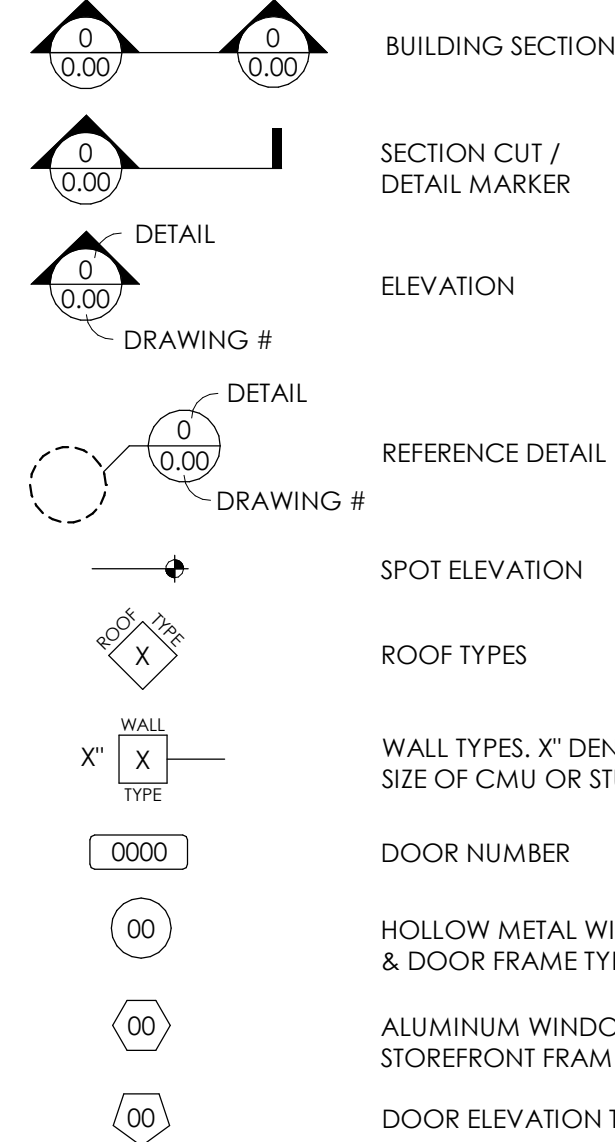
TYP. REVEAL @ GWB/MASONRY INTERSECTION
N.T.S.



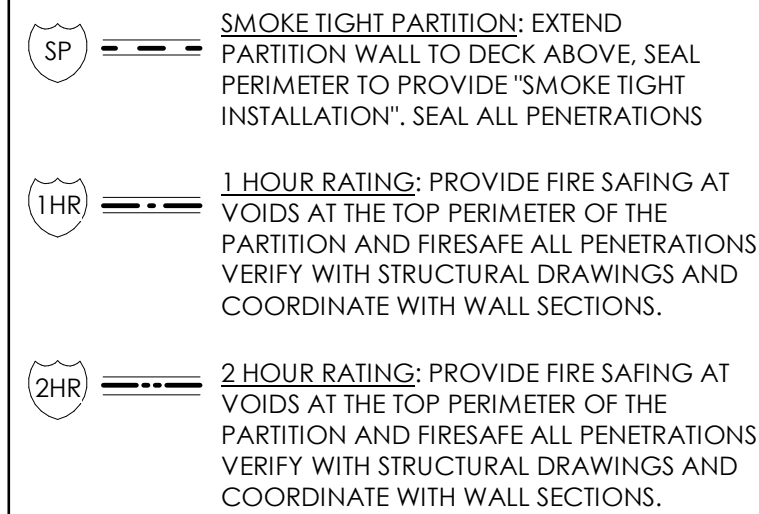
TYP. REVEAL/EXPANSION JOINT DETAIL
N.T.S.



SYMBOLS LEGEND:



FIRE BARRIER TYPES:



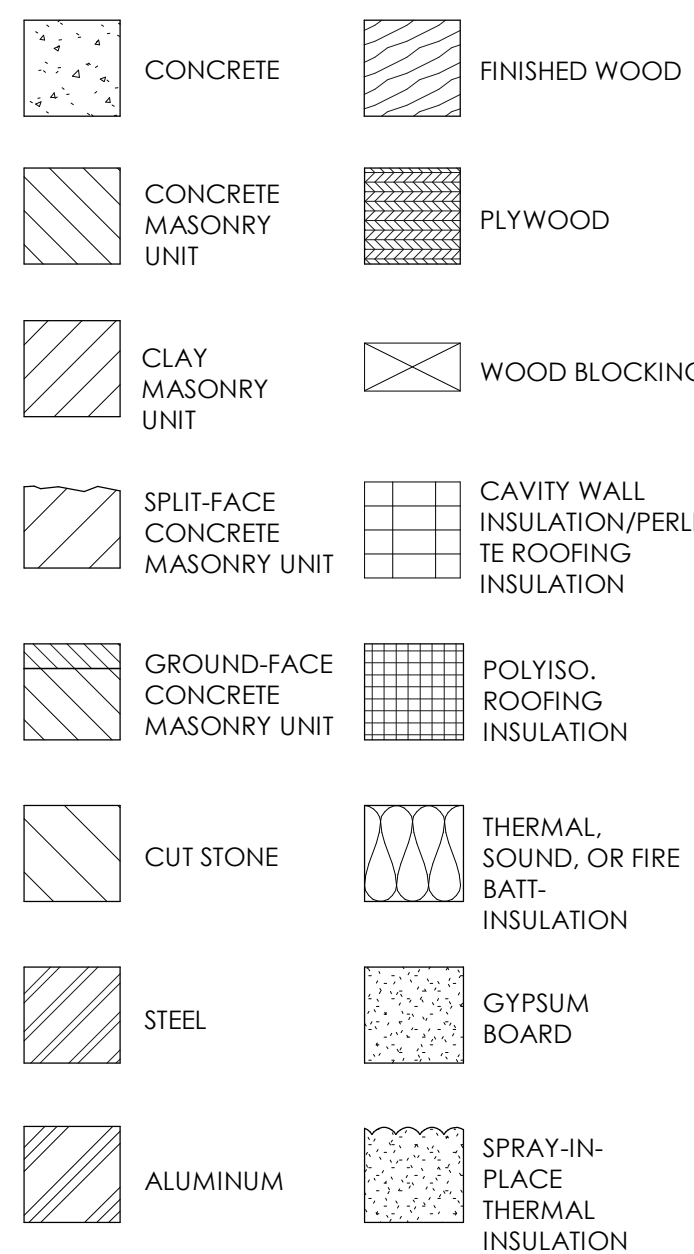
GENERAL PLAN NOTES

1. IN/NOT IN CONTRACT. PROVIDER SHALL
2. AND INSTALLED BY OTHERS.
3. DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS
4. TAKE PRECEDENCE.
5. ALL DIMENSIONS ARE TO FACE OF STUDS, MASONRY
6. OR TO CENTERLINE OF STRUCT'L STEEL UNLESS
7. OTHERWISE NOTED. CONTRACTOR SHALL CONTACT WITH ANY
8. QUESTIONS REGARDING DIMENSIONS.
9. MASONRY DIMENSIONS ARE ACTUAL. EXTERIOR
10. WALL DIMENSIONS ARE TO EXTERIOR FACE OF
11. VENEER.
12. REFER TO ENLARGED PLANS FOR DIMENSIONS NOT
13. SHOWN ON "B" PLANS.
14. ALL EXTERIOR WALKWAY WALL TYPE "U, N.O."
15. ALL INTERIOR PARTITIONS ARE WALL TYPE "U, N.O."
16. PROVIDE BULLNOSE UNITS AT ALL VERTICAL OUTSIDE
17. CORNERS AND ROCK CORNER CONNECTIONS.
18. PARTITION TYPES SHALL MAINTAIN THEIR
19. CONSTRUCTION AND RESPECTIVE SEPARATION
20. RATING (IF ANY) FOR FULL HEIGHT. ALL MECH,
21. AND PLUMBING PENETRATIONS SHALL BE
22. SEALED/SEALED/DAMPENED AS REQ'D. TO COMPLY W/
23. APPLICABLE CODES.
24. REFER TO STRUCTURAL DRAWINGS FOR TYPES, SIZES,
25. LOCATIONS, CONNECTIONS, REINFORCEMENT AND
26. OTHER REQ. PERTAINING TO STRUCTURAL
27. COMPONENTS INDICATED.
28. REFER TO STRUCTURAL DRAWINGS FOR LINTEL
29. SCHEDULE. ALL EXTERIOR LINTELS ARE TO BE
30. GALVANIZED AND PAINTED.
31. VERIFY DEPTH OF CONCRETE RECESSED SLABS W/
32. APPROPRIATE FINISH FLOORING MANUFACTURER
33. PRIOR TO PLACEMENT OF SLAB.
34. MASONRY OPENINGS IN EXTERIOR WALLS FOR DOORS
35. ARE TYPICALLY LOCATED 8" FROM THE JAMB
36. OPENING TO THE ADJACENT WALL U.O.
37. DOORS IN GYPSUM BOARD WALLS ARE TYPICALLY
38. LOCATED 4" FROM THE DOOR JAMB OPENING TO
39. THE ADJACENT WALL U.O.
40. WHERE DOORS HAVE 180 DEGREE SWING IN CMU
41. WALLS PROVIDE 3/4" MIN. REINFORCING BARS
42. OF SWINGING SIDE. COORD. W/ MASON.

GENERAL WALL NOTES

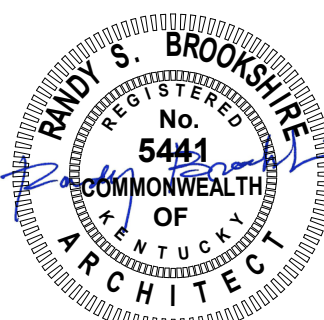
1. REFER TO FLOOR PLANS FOR THE LOCATION OF PARTITION AND WALL TYPES DESCRIBED ON THIS DRAWING.
2. REFER TO STRUCTURAL DRAWINGS FOR OTHER REQUIREMENTS PERTAINING TO REINFORCED UNIT MASONRY.
3. CONTRACTOR SHALL INSTITUTE ALL MEASURES NECESSARY TO ACHIEVE WEATHER-TIGHTNESS OF EXTERIOR WALLS BY ALLOWING POSITIVE DRAINAGE OF WATER TO THE EXTERIOR. PROVIDE THROUGH-WALL FLASHING IS INDICATED OR REQD.
 - A. KEEP ALL DRAINAGE CAVITIES IN CAVITY WALLS FREE OF OBSTRUCTION.
 - B. EXTEND THROUGH-WALL FLASHING TO FACE OF MASONRY VENEER FOR OBSERVATION BY THE ARCHITECT.
 - C. AT MASONRY VENEER, PROVIDE WEEPS AND CAVITY VENTS AT 24" O.C. HORIZ. ALTERNATE LOCATIONS OF WEEPS AND VENTS. DO NOT ALLOW WEEPS OR CAVITY VENTS TO BECOME CLOSED OFF.
 - D. REFER TO THE SPECS. FOR MORE INFORMATION ON PLACEMENT AND INSTALLATION OF THROUGH-WALL FLASHING, WEEPS, AND CAVITY VENTS.
4. AT CAVITY WALLS, CONSTRUCTION SHOULD INSTALL THROUGH-WALL FLASHING ON CMU OR SHEATHING OVER STUDS, UPWARD MIN. 6" AND PAN-IN THROUGH WALL FLASHING TO EXTERIOR. WEEPS DO NOT MECHANICALLY FASTEN, PENETRATE, OR PUNCTURE THROUGH-WALL FLASHING. THROUGH-WALL FLASHING TO PREVENT ALL MOISTURE TO EXTERIOR FACE OF WALL.
5. U.N.O. ALL EXTERIOR AND INTERIOR MASONRY AND/OR METL. STUD WALLS SHALL EXTEND FULL HEIGHT TO BOTTOM OF CEILING. REFER TO REFLECTED CEILING PLANS. PROVIDE THE FOLLOWING CLOSURE MATERIALS AT TOP OF EXTERIOR AND INTERIOR MASONRY AND METAL STUD WALLS AND PARTITIONS.
 - A. FULL-HEIGHT, NON-RATED METL STUD/GYP PARTITION RUNNING PERPENDICULAR TO METAL DECK FLUTE/STRUCTURE. COPE GYP TO WITHIN 1/2" OF METAL DECK FLUTE, FILL METAL DECK FLUTE VOID COMPLETELY WITH CUT-TO-FIT COMPRESSION RESISTANT GYP CAULK. SOUND ATTENUATION BLANKET MATERIAL, INSTALL CONT. ACoustICAL SEALANT BOTH SIDES OR PROVIDE COMPRESSION RESISTANT NEOPRENE FILLER.
 - B. FULL-HEIGHT, NON-RATED METAL STUD/GYP PARTITION RUNNING PARALLEL TO METAL DECK FLUTE/STRUCTURE. COPE GYP TO WITHIN 1/2" OF METAL DECK. INSTALL CONT. ACoustICAL SEALANT BOTH SIDES OR PROVIDE COMPRESSION RESISTANT FILLER.
 - C. FULL-HEIGHT, NON-RATED CMU WALL RUNNING PERPENDICULAR OR PARALLEL TO METAL DECK FLUTES/STRUCTURE. COPE GYP TO WITHIN 1" OF METAL DECK. FILL METAL DECK FLUTE VOID COMPLETELY WITH CUT-TO-FIT COMPRESSION RESISTANT GYP CAULK. SOUND ATTENUATION BLANKET MATERIAL, & CONT. ACoustICAL SEALANT BOTH SIDES.
 - D. NON-RATED FULL-HEIGHT CMU WALL RUNNING PARALLEL TO METAL DECK FLUTES AT METAL DECK STRUCTURE ABOVE, W/ FIRE BLANKETS & INTUMESCENT SEALANT PER SECTION 07-0400. REFER TO DETAILS ON THIS SHEET.
 - E. CMU & GYP. CEILING SURROUNDS MAY BE STOPPED 12" ABOVE CEILING UNLESS PART OF A FIRE-OR SOUND-RELATED WALL OR CONSTRUCTION.
6. PROVIDE CALKED CONTROL JOINTS WHERE LOAD BEARING CMU ABUTS NON-BEARING CMU OR WHERE WALLS OF DIFFERENT HEIGHTS ABUT.

MATERIALS LEGEND:



MASTER MATERIAL REFERENCE

042000.A	Concrete Masonry Unit
042000.L	Masonry Reinforcement
042000.C	Board
044100.A7	Partial Laminate Enclosure Panel
064100.C6	Solid Surface Countertop & Backsplash
078400.A	Through-Penetration Fire Stop System
079005.A	Joint Sealant
081113.A	Steel Doors & Frames
081113.C	Steel Frame
092116.A	Gypsum Board/Assemblies
092116.B	Medium Density Fiberboard
092116.C	Gypsum Board-Regular Type 'X'
092116.I	Sound Attenuation Blankets
093000.A	Ceramic Tile
095000.B	Resilient Tile Flooring
095613.A	Resilient Wall Base & Accessories
097623.C	Resinous Decorative (Flake) Epoxy Flooring
099120.A	Epoxy Paint System
101424.A	Signs
101550.A	Toilet Compartment
101550.B	Urinal Screen
102800.A	Toilet & Bath Accessories
105723.A	Closet and Utility Shelving



GENERAL ARCHITECTURAL DETAILS

ESTILL CO. HS ARP ESSER FIELD HOUSE RESTROOM RENOVATION

FOR:

ESTILL COUNTY SCHOOLS

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M,E.&P Engineers
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2429 Members W
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p 859.253.0892

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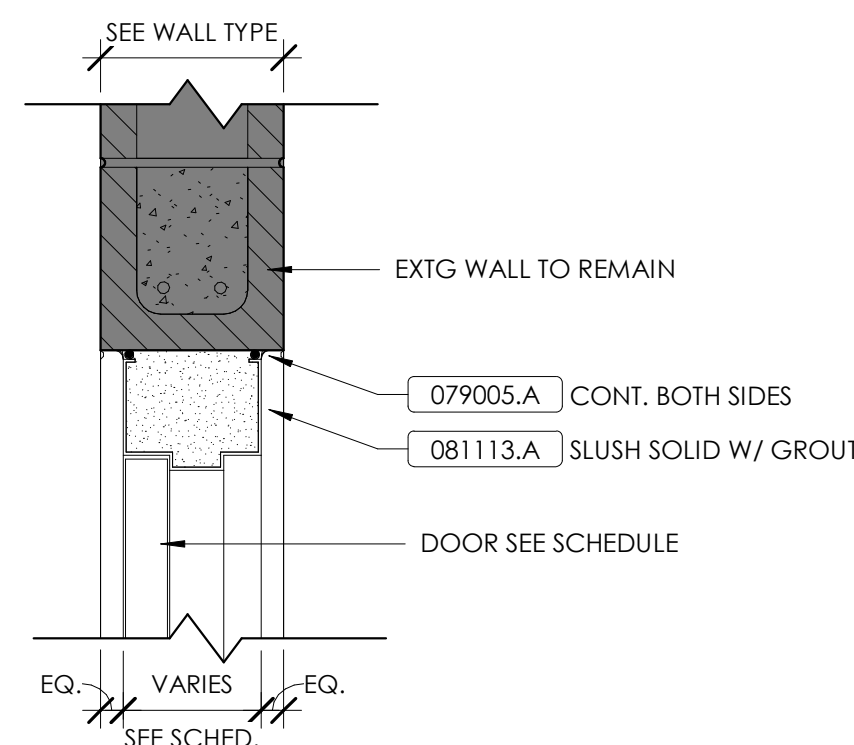
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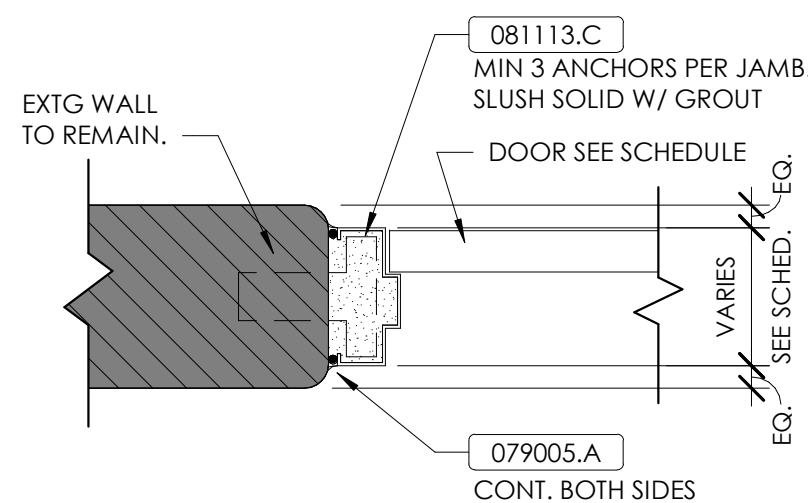
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GENERAL ARCHITECTURAL
DETAILS
DATE ISSUED:
FEBRUARY 2022

27 rosstarrant
architects

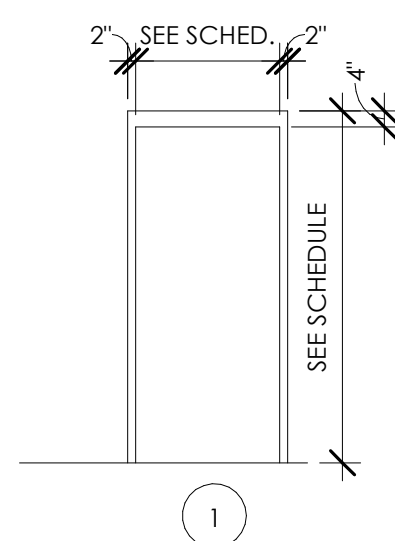
01 old layayette avenue lexington, kentucky 40502 p 859.254.4018

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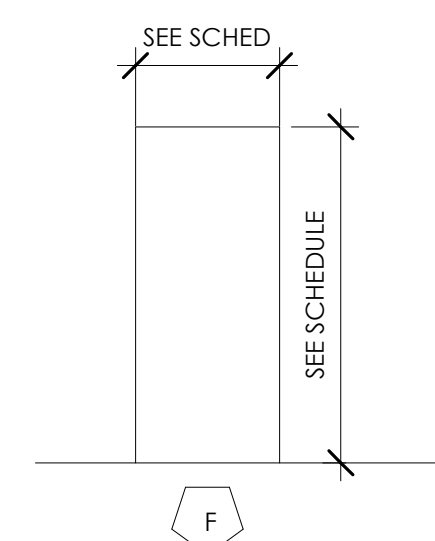
H.M. INT HEAD CMU - DOOR



H.M. INT JAMB CMU

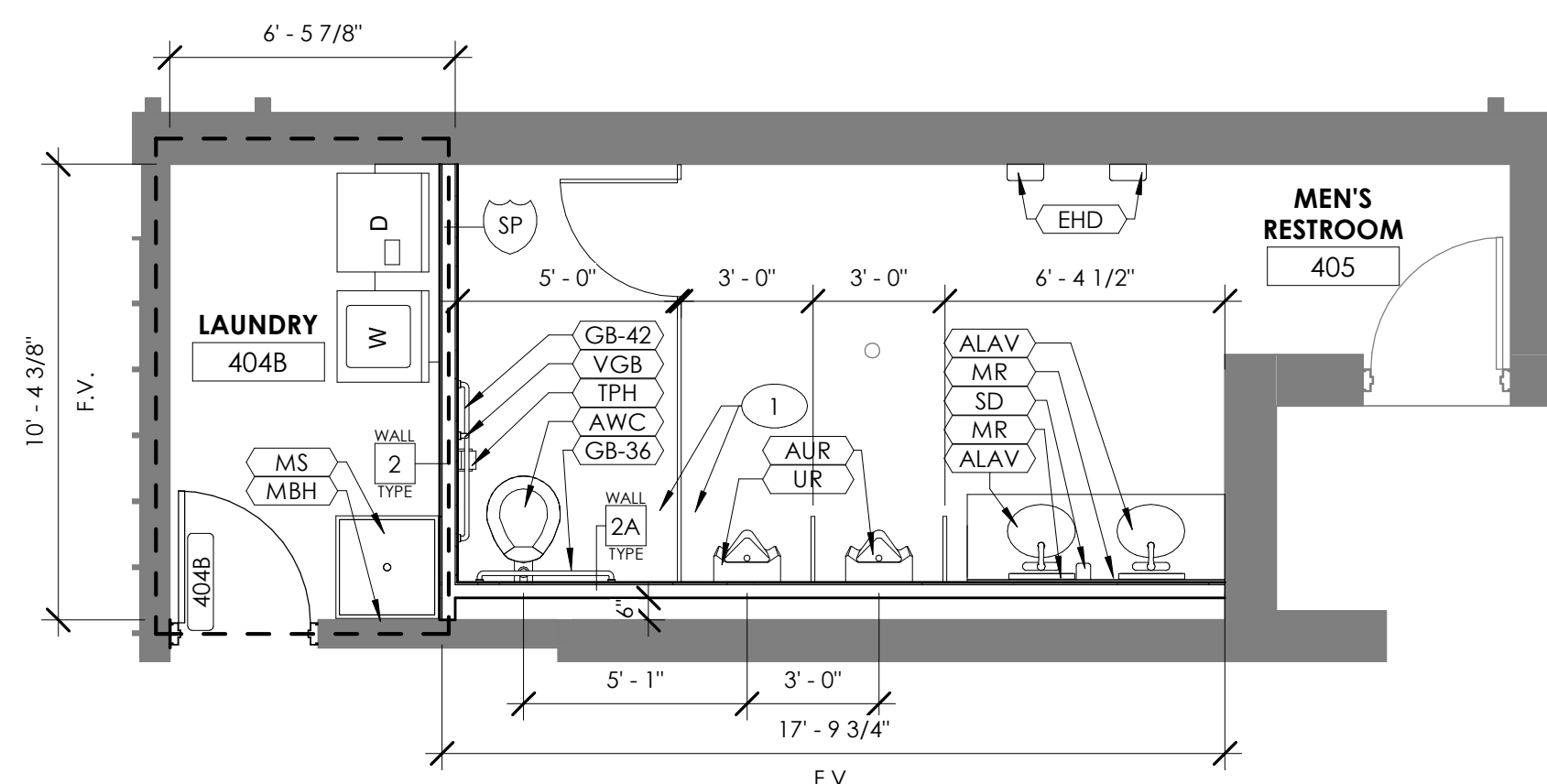


HOLLOW METAL FRAME TYPES	G
N.T.S.	A1.1



DOOR TYPES
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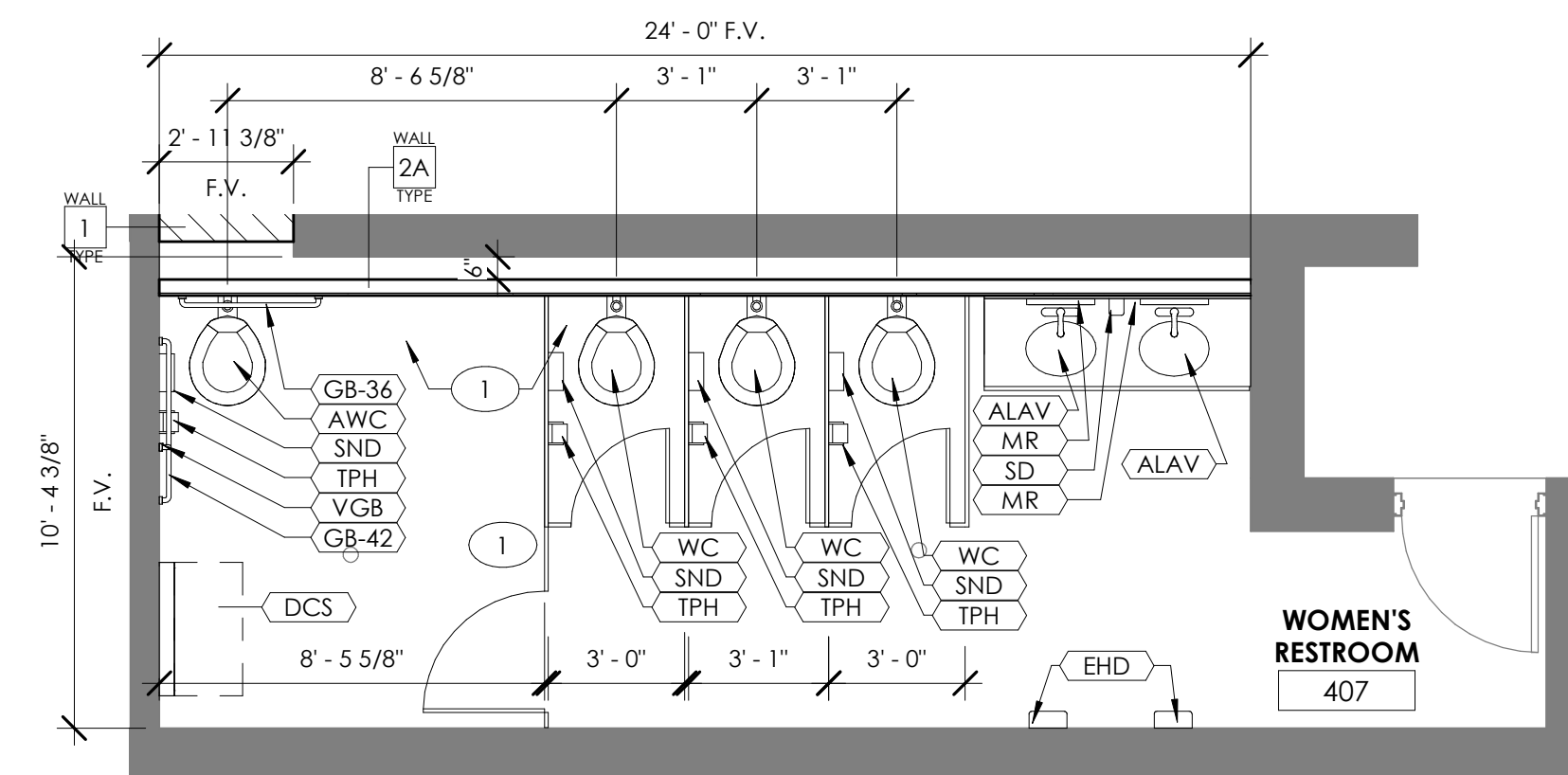
DOOR AND FRAME SCHEDULE															
DOOR NUMBER	PAIR	DOOR					FRAME						FIRE RATING	COMMENTS	
		W	H	THICK	MAT	TYPE	GLASS	MAT	TYPE	FRAME THICK	DETAIL				
											HEAD	JAMB			
404B		3'-0"	7'-0"	1 3/4"	MAT	WD	F		HM	1	6"	M/A-1	K/A-1	SP	



ENLARGED RESTROOM PLAN

1/4" = 1'-0"

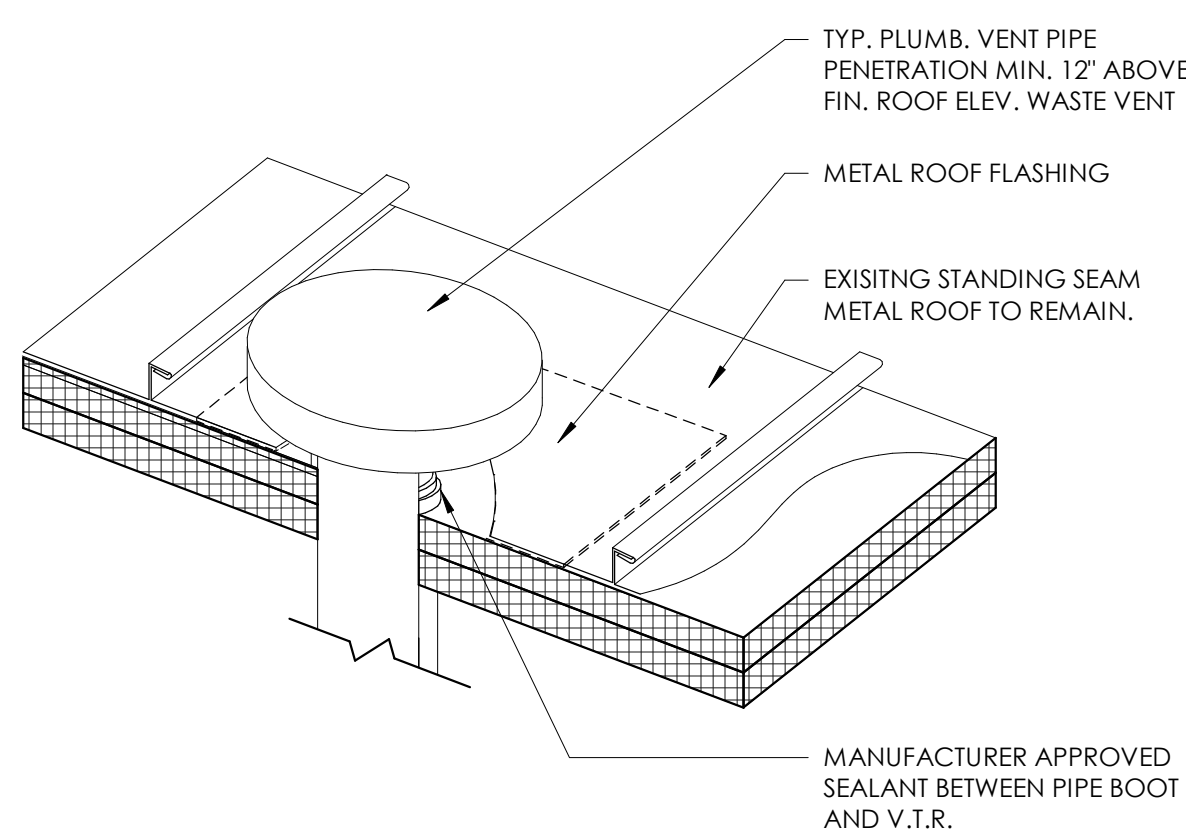
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ENLARGED RESTROOM PLAN

1/4" = 1'-0"

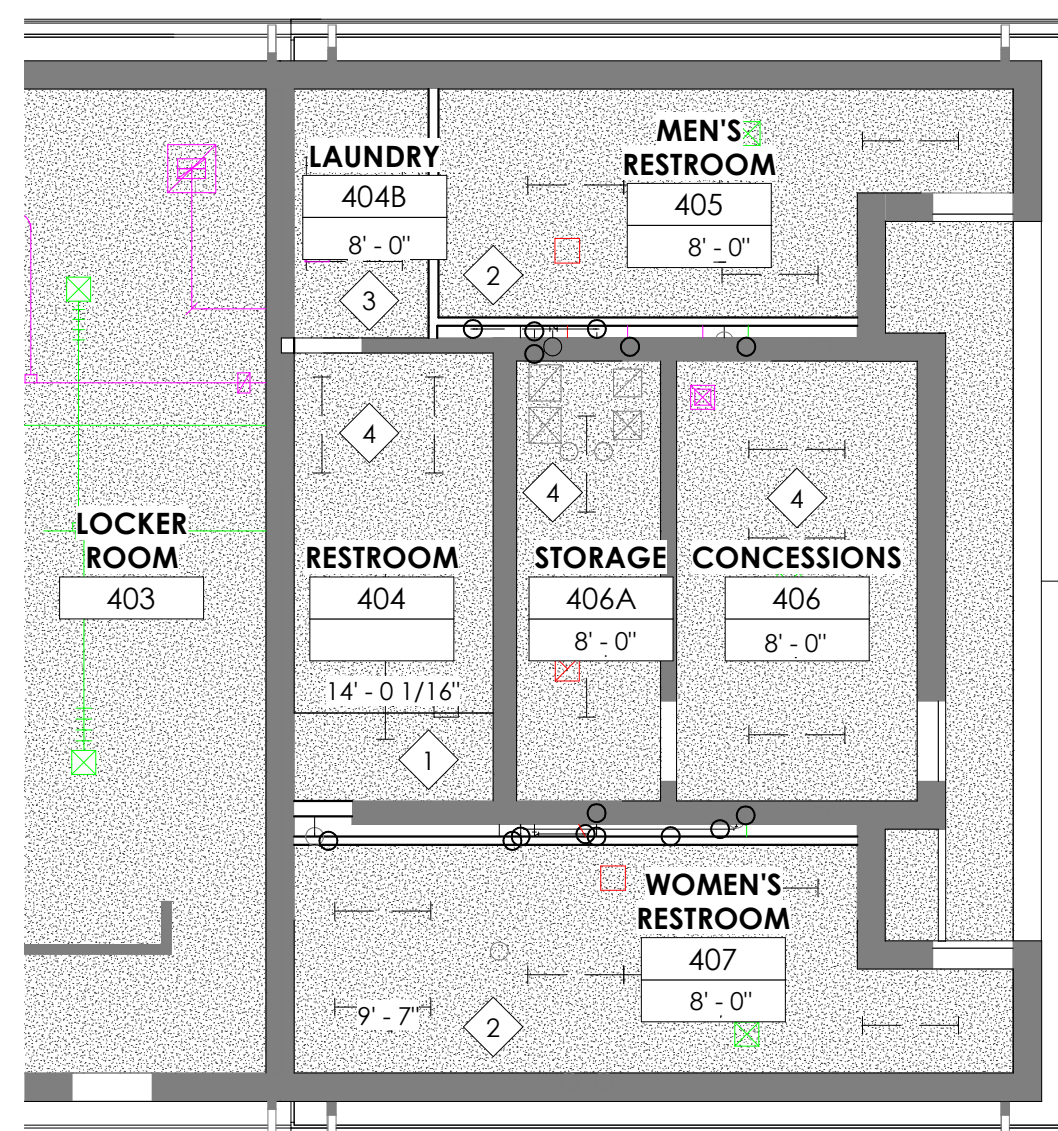
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VENT THRU ROOF DETAIL - METAL

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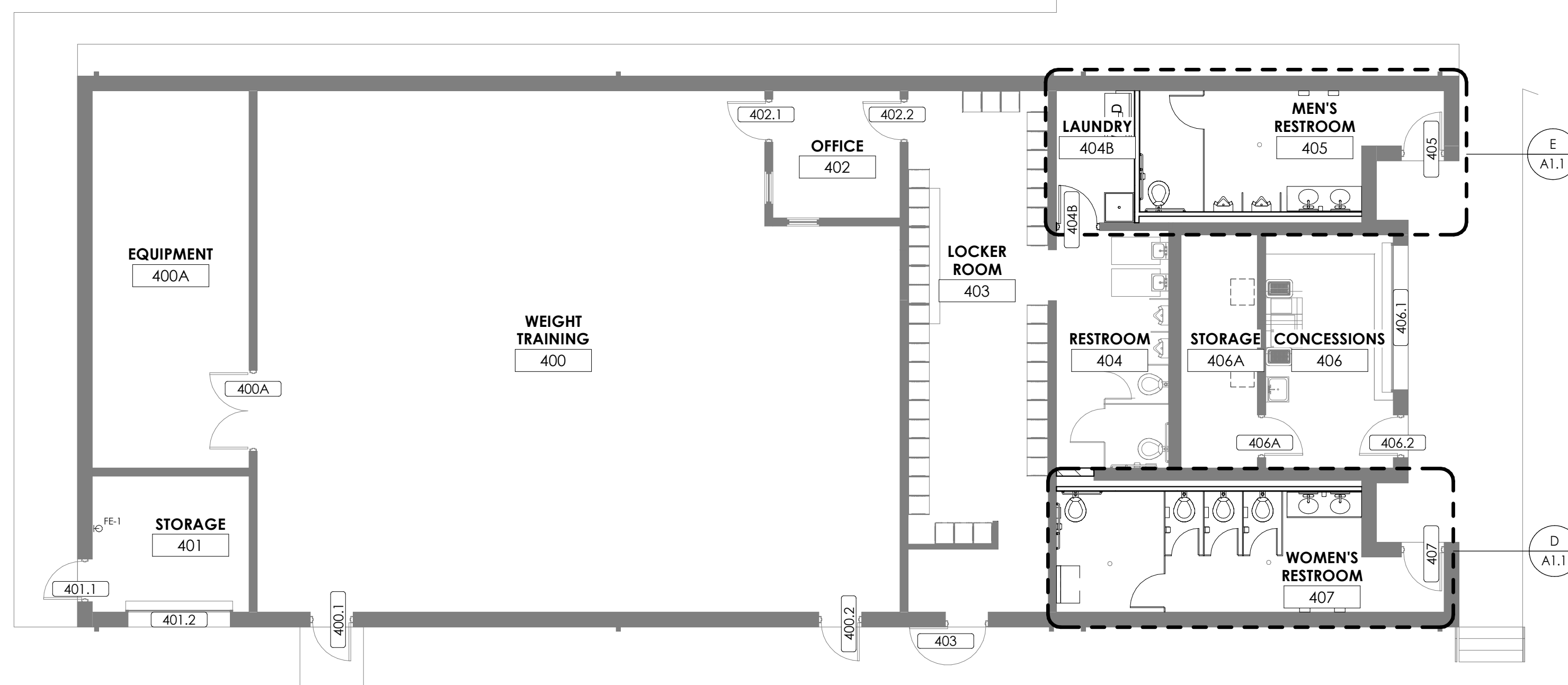
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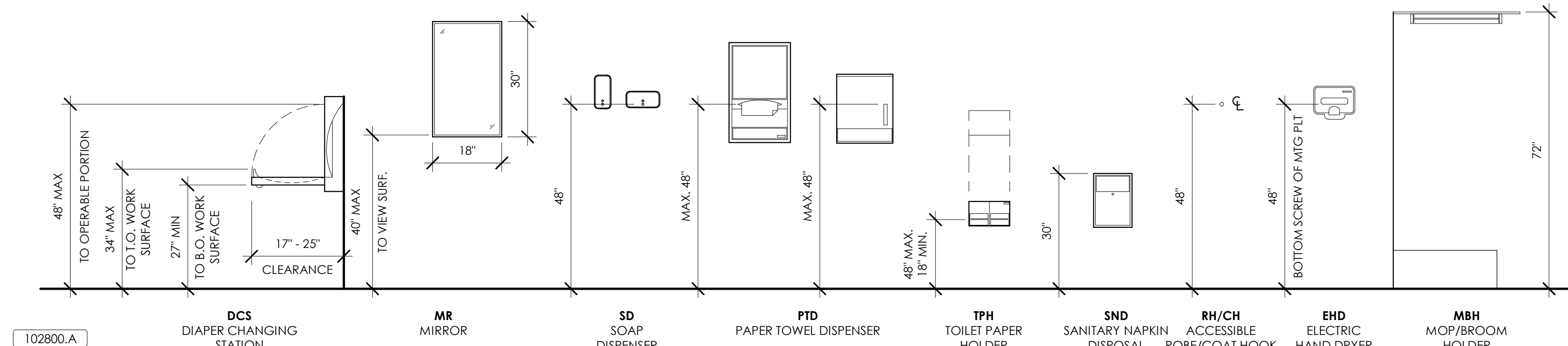
REFLECTED CEILING PLAN

1/8" = 1'-0"

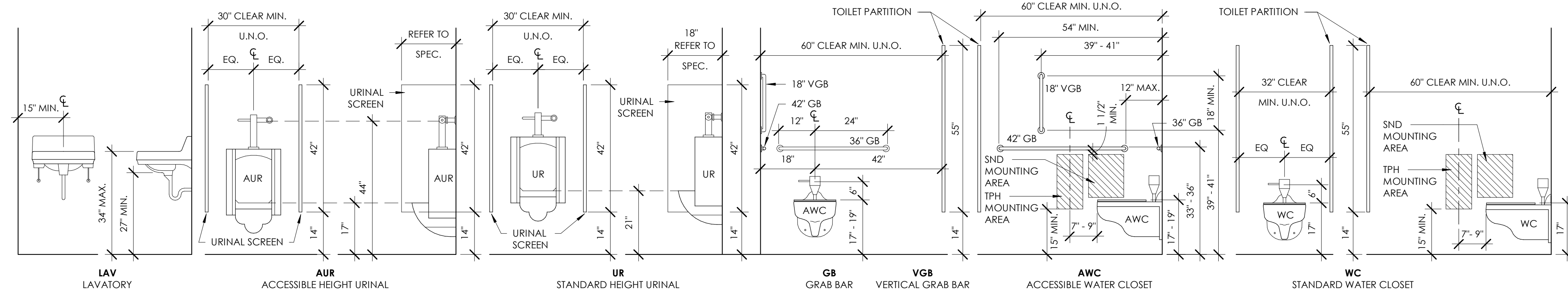
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FLOOR PLAN
1/8" = 1'-0"



TOILET ACCESSORIES, DEVICE, AND EQUIPMENT MOUNTING HEIGHTS



PLUMBING FIXTURES AND ACCESSORIES MOUNTING HEIGHTS

MATERIAL REFERENCE	
079005.A	Joint Sealant
081113.A	Steel Doors & Frames
081113.C	Steel Frame
102800.A	Toilet & Bath Accessories

PLAN NOTES	
1	UNDERSLAB TRENCH BACK FILL AND SLAB PATCH INFILL. REFER TO PLUMBING DWGS FOR ADDITIONAL LOCATIONS

RCP NOTES	
1	PATCH AND REPAIR GYPSUM BOARD (092116).
2	GYPSUM BOARD CEILING, PROVIDE FRAMING AND SUPPORTS AS REQUIRED (092116).
3	SMOKE RATED GYPSUM BOARD CEILING PER UL DESIGN NO.
4	EXISTING CEILING TO REMAIN.

NOTES:

1. COORDINATE ALL PLUMBING FIXTURES AND TOILET ACCESSORIES WITH THE PLUMBING ENGINEER.
2. THE FOLLOWING ITEMS SHALL BE PROVIDED AND INSTALLED BY THE OWNER: PTD, TPH, SD.

TOILET ACCESSORY LEGEND	
ALAV	ACCESSIBLE LAVATORY
AUR	ACCESSIBLE URINAL
AWC	ACCESSIBLE WATER CLOSET
DCS	DIAPER CHANGING STATION
EHD	ELECTRIC HAND DRYER
GB-36	36" GRAB BAR
GB-42	42" GRAB BAR
MBH	MOP AND BROOM HANGER
MR	MIRROR - 24" x 36"
MS	MOP SINK
SD	SOAP DISPENSER - N.J.C.
SND	SANITARY NAPKIN DISPOSAL - N.J.C.
TPH	TOILET PAPER HOLDER - N.J.C.
UR	STANDARD HEIGHT URINAL
VGB	18" VERTICAL GRAB BAR
WC	STANDARD WATER CLOSET

FLOOR & ROOF PLANS

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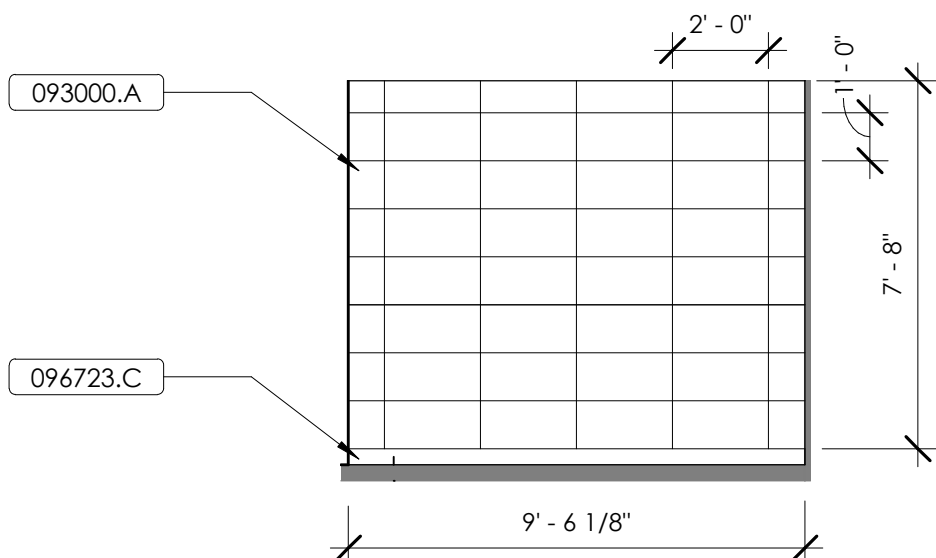
A1.1
FLOOR & ROOF PLANS
DATE ISSUED:
FEBRUARY 2022

REVISIONS			ROOM FINISH SCHEDULE - FIELD HOUSE RESTROOMS										
#	DATE	DESCRIPTION	ROOM NO.	ROOM NAME	FLOOR FINISH	BASE FINISH	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	CEILING FINISH	COMMENTS	Sign Type
			400	WEIGHT TRAINING	ETR	ETR	ETR	ETR	ETR	ETR	ETR		NA
			400A	EQUIPMENT	ETR	ETR	ETR	ETR	EP	ETR	ETR		NA
			401	STORAGE	ETR	ETR	EP	ETR	ETR	ETR	ETR		NA
			402	OFFICE	ETR	ETR	ETR	EP	ETR	ETR	ETR		NA
			403	LOCKER ROOM	ETR	ETR	ETR	ETR	ETR	ETR	ETR		NA
			404	RESTROOM	ETR	ETR	ETR	ETR	EP	ETR	ETR		NA
			404B	LAUNDRY	RT1	RB1	EP	EP	EP	EP	EP - Gyp.		Sign Type 1
			405	MEN'S RESTROOM	FE1	FE1 flashed up wall	EP	EP	PT1	PT1	EP - Gyp.		Sign Type 3
			406	CONCESSIONS	ETR	ETR	ETR	ETR	ETR	ETR	ETR		NA
			406A	STORAGE	ETR	ETR	ETR	ETR	ETR	ETR	ETR		NA
			407	WOMEN'S RESTROOM	FE1	FE1 flashed up wall	PT1	EP	EP	EP	EP - Gyp.		Sign Type 3

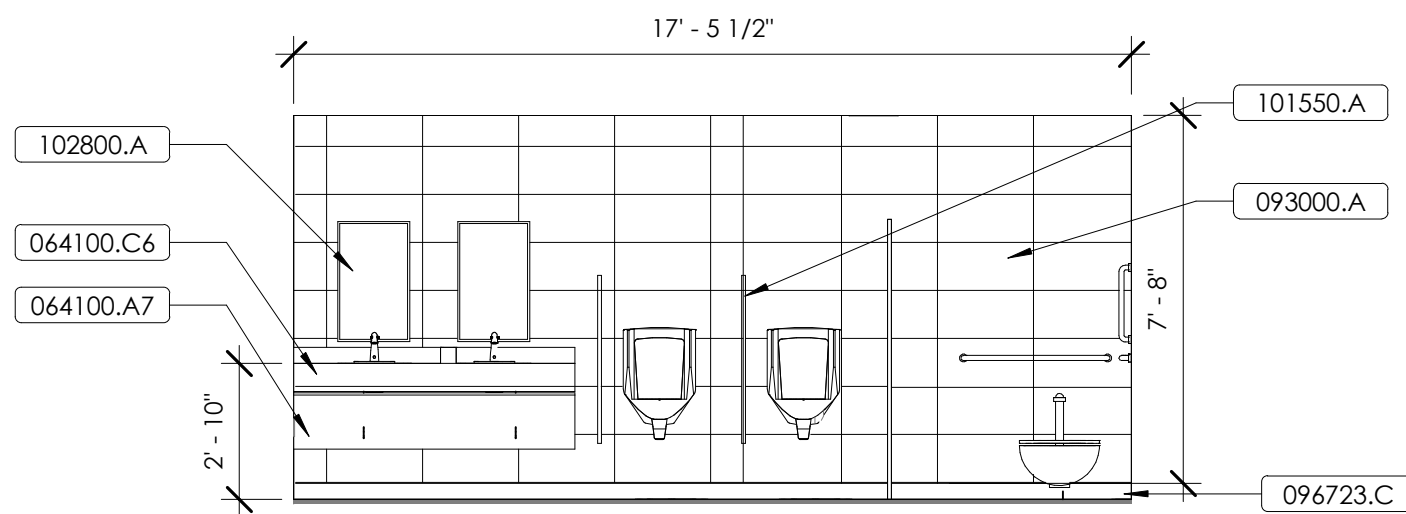
FINISH LEGEND		
SPEC SECTION	KEY	BASIS OF DESIGN
	ETR	EXISTING TO REMAIN
	093000.A	Ceramic Tile
	096723.C	Resinous Decorative (Flake) Epoxy Flooring
064100	SF1	SOLID SURFACE VANITIES AND BOWLS
	HPL1	PLASTIC LAMINATE - VANITY ENCLOSURE
093000	PT1	PORCELAIN WALL TILE - 12" X 24"
096500	RT1	RESILIENT TILE - VINYL COMPOSITION TILE
096513	RB1	TYP. 4TH RUBBER COVE BASE
096723	FE1	FLAKE EPOXY PAINT
099000	EP	EPOXY PAINT
101424		SIGNAGE
101550	TC1	SOLID PLASTIC TOILET COMPARTMENTS & URINAL SCREENS
102800		TOILET ACCESSORIES
105723		CLOSET AND UTILITY SHELVING - LAUNDRY ROOM WIRE SHELVING

MATERIAL REFERENCE	
064100.A7	Plastic Laminate Enclosure Panel
064100.C6	Solid-Surface Countertop & Backsplash
093000.A	Ceramic Tile
096723.C	Resinous Decorative (Flake) Epoxy Flooring
101550.A	Toilet Compartment
102800.A	Toilet & Bath Accessories
105723.A	Closet and Utility Shelving

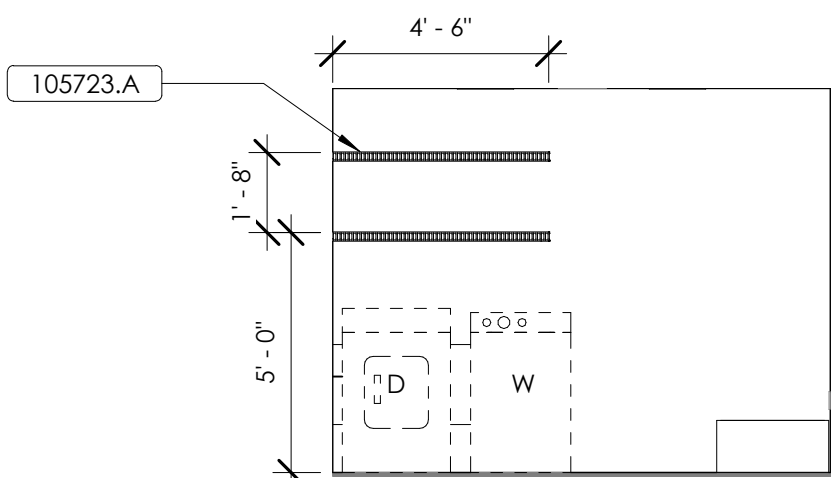
ROOM FINISH NOTES	
1.	ALL WALLS, GYPSUM BOARD CEILINGS, METAL DECKING, STRUCTURAL ELEMENTS, CONDUIT, ALL UNFINISHED SURFACES EXPOSED AFTER CONSTRUCTION IS COMPLETE SHALL RECEIVE PAINT UNLESS OTHERWISE NOTED.
2.	ALL UNFINISHED EXTERIOR SURFACES INCLUDING CONCRETE BLOCK, STEEL LINTELS, ETC., WILL RECEIVE A PAINT SYSTEM. REFER TO THE SPECIFICATION FOR ADDITIONAL INFORMATION. REFER TO FLOOR PLANS FOR WALL ASSEMBLY TYPES.
3.	REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION ON CEILINGS AND SOFFIT LOCATIONS.
4.	PROVIDE COLOR MATCHING CAULK AT THE INTERSECTION OF HOLLOW METAL FRAMES AND HARD SURFACE FLOORING, TYP.
5.	ALL LOUVERS, GRILLS, REGISTERS & DIFFUSERS SHALL BE PAINTED TO MATCH THE SURFACE ON WHICH THEY OCCUR.
6.	ALL NEW DOORS (HM) AND FRAMES SHALL RECEIVE PAINT. ALL EXISTING DOORS IN AREAS OF NEW WORK SHALL RECEIVE NEW PAINT ON THE FRAME AND (IF HOLLOW METAL) THE DOOR SURFACE. PAINT SHALL EXTEND TO THE WHOLE FRAME AND BOTH SIDES OF DOOR.
7.	WORK IN GANGED RESTROOMS MAY INCLUDE CMU WALL DEMO THAT COULD IMPACT ADJACENT ROOMS. IF FINISHES IN ADJACENT ROOMS ARE DISTURBED, THEY SHALL BE CORRECTED TO MATCH EXISTING FINISHES IN THAT SPACE.



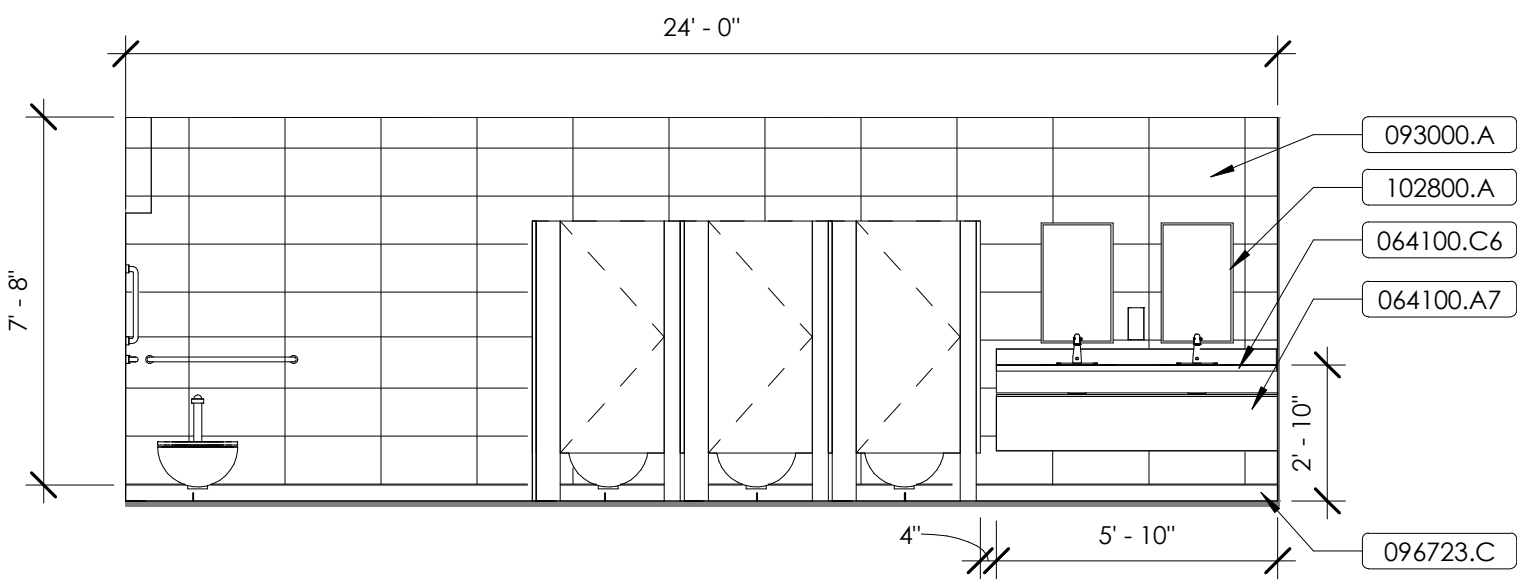
MENS RESTROOM 405 WEST - INTERIORS - TILE PATTERN
1/4" = 1'-0"



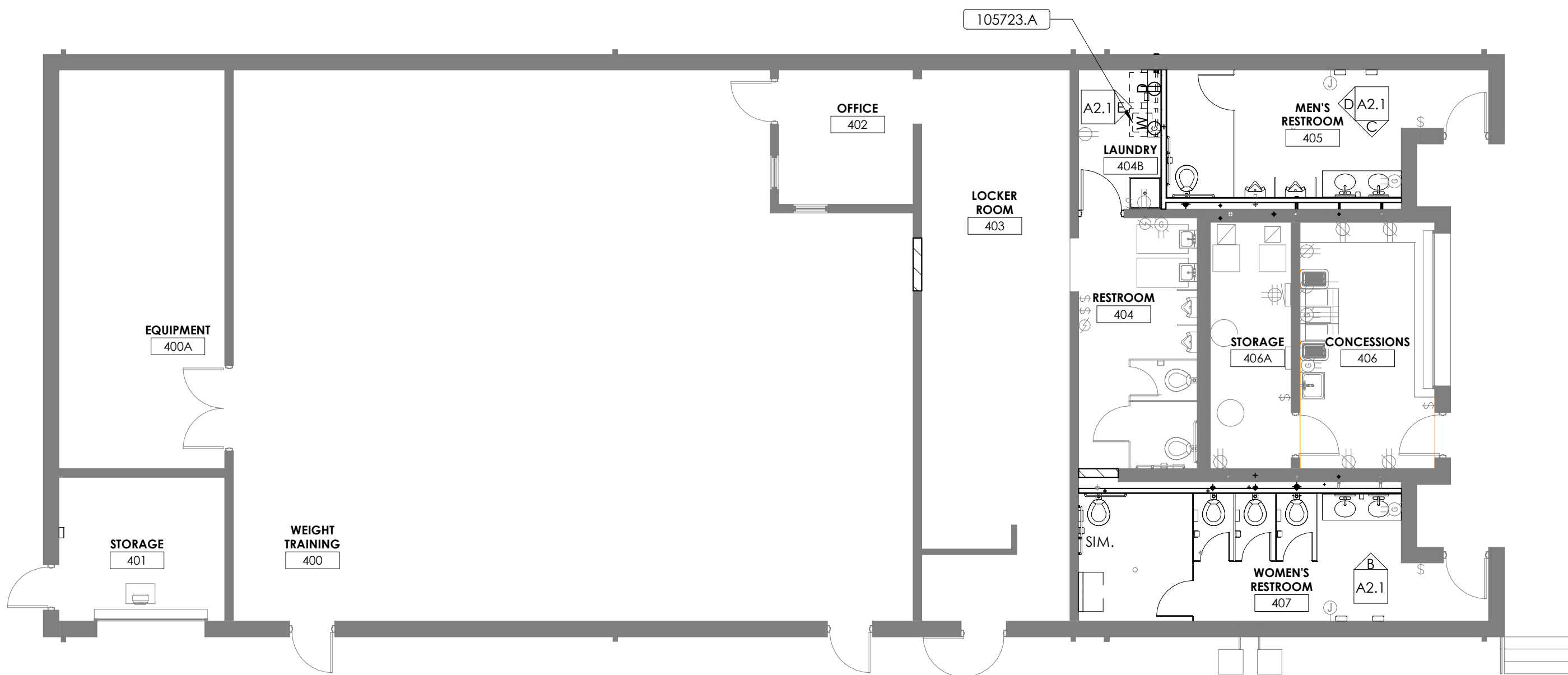
MENS RESTROOM 405 - INTERIORS - TILE PATTERN
1/4" = 1'-0"



LAUNDRY - PLAN EAST
1/4" = 1'-0"



WOMENS RESTROOM - INTERIORS - TILE PATTERN
1/4" = 1'-0"



EXISTING FIELD HOUSE FLOOR PLAN - Interiors
1/8" = 1'-0"

SIGNAGE TYPES	
SEE SPECIFICATION 101424 FOR SIGN MANUFACTURING AND INSTALLATION DETAILS	
SIGN TYPE 1 (TYPICAL): TYPICAL 8'H X 8'W PANEL SIGN - REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS	
SIGN TYPE 2 (WITH WINDOW): TYPICAL 8'H X 8'W PANEL SIGN WITH OPENING FOR REMOVABLE PAPER INSERT- REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS	
SIGN TYPE 3 (RESTROOM & OTHER SYMBOL SIGNS): TYPICAL 8'H X 8'W PANEL SIGN WITH SYMBOL - REFER TO SPECIFICATION FOR DETAILS ON MATERIALS AND MECHANICAL MOUNTING DETAILS	
SIGN TYPE 4 (EXIT) : 3'H X 5'W PANEL SIGN AS SHOWN BELOW THAT CONFORMS TO CODE STANDARDS. TWO SCREWS FOR MECHANICAL MOUNT.	
PLAQUE: SEE A2.0 FOR PLAQUE SIZE AND TEXT	

OPTIMUM MOUNTING HEIGHTS	
ITEM (DIMENSION TO)	GRADE LEVEL
	9 THRU 12
VISUAL DISPLAY BOARDS - MARKER, TACK, CHALK	TOP 80" BOTTOM 34"
COUNTERTOP: STANDING POSITION (TOP)	36"
DESKTOP/TABLETOP: SEATED POSITION (TOP)	27"
PANIC DEVICE DOOR HARDWARE (CENTERLINE)	42"
FIRE EXTINGUISHER CABINET (BOTTOM)	40"
FIRE EXTINGUISHER CABINET (CENTER OF VALVE LINE)	64"
COAT HOOK (CENTERLINE)	55"

101 old ladyette avenue lexington, kentucky 40502 p 859.254.4018

FIRST FLOOR PLAN - FIELD HOUSE - INTERIORS

ESTILL CO. HS ARP ESSER FIELD HOUSE RESTROOM RENOVATION

FOR:

ESTILL COUNTY SCHOOLS

IRVINE, KENTUCKY

M.E.&P. Engineer:
CMI.A. Inc.
2429 Members Way
Lexington, KY 40504
p 859.253.0892

BG# 22-243

Project No: 2162
Drawn By: Author
Rev'd By: Checker

SHEET RELEASE

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A2.1

FIRST FLOOR PLAN - FIELD HOUSE - INTERIORS
DATE ISSUED:
FEBRUARY 2022

PLUMBING GENERAL NOTES

- A COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, GAS OUTLETS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- B THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- C WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- D ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- E COORDINATE ALL WORK WITH PROJECT PHASING REQUIREMENTS.
- F PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNERS' STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- G OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.) CONTRACTOR SHALL BE AWARE OF UNKNOWN PLUMBING WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS. THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
- I IF AREA OF CONSTRUCTION HAS A POST TENSION FLOOR SLAB, CONTRACTOR SHALL USE ULTRA SOUND OR OTHER APPROVED METHODS TO SURVEY THE EXISTING FLOOR STRUCTURE BEFORE MAKING ANY AND ALL FLOOR PENETRATIONS.
- J WHERE FIRE PROOFING IS SPRAYED ON EXISTING STRUCTURE ALL EXISTING CONDUITS, WATER, HYDRONIC, STEAM, CHILLED WATER, FIRE PROTECTION LINES, MED GAS, ETC. SHALL BE LOWERED TO BE BELOW FULL THICKNESS OF FIRE PROOFING WITH NO INTERFERENCE.
- K ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- L ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.
- M ALL PIPING IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- N IN ACCORDANCE WITH K.R.S. ALL PLUMBING WORK SHALL BE CONSTRUCTED IN COMPLIANCE WITH PLANS APPROVED BY AND BEARING THE APPROVAL STAMP OF THE KENTUCKY DIVISION OF PLUMBING AND/OR THE DIVISION OF WATER. THE CONTRACTOR SHALL NOT BEGIN WORK UNTIL HE HAS RECEIVED SUCH APPROVED PLANS.
- O LOCATIONS OF PIPING AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- P ALL OFFSETS IN PIPING ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- Q THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES OR OTHER COSTS THAT ANY UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (GAS, SEWER, WATER, ETC.).
- R INSTALL ALL PIPING AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.
- S SEAL AIRTIGHT AROUND ALL DUCTS AND PIPING PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING HEIGHTS AND OTHER DETAIL OF THESE DOCUMENTS.
- V DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
- W ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATIONS ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- X DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- Y VALVES, BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- Z ALL MANHOLES, VAULTS AND SIMILAR UNDERGROUND STRUCTURES SHALL HAVE THE TOP ELEVATION SET FLUSH WITH FINISHED GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
- AA WHEN RUNNING ANY TYPE OF PIPING BELOW A FOOTER, OR IN THE ZONE OF INFLUENCE THE PIPING SHALL BE BACKFILLED WITH CEMENTITIOUS FLOWABLE FILL PER SPECIFICATIONS. WHENEVER POSSIBLE, LOCATE PIPING OUTSIDE OF THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
- AB THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND 2009 IECC.
- AC THE DOCUMENTS COMPLY WITH 2006 IMC, 2007 KBC, AND ASHRAE 90.1-2007.
- AD WORK IN CONFINED AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S SAFETY POLICY REQUIREMENTS.

PLUMBING DEMOLITION NOTES

- A THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELD VERIFY EXACT REQUIREMENTS.
- B DURING SPRINKLER SYSTEM OUTAGES THE CONTRACTORS SHALL PROVIDE FIRE WATCH OF AREAS WITH OUTGAGES.
- C ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
- D ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
- E HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- F COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
- G ALL OUTGAGES SHALL BE SCHEDULED THROUGH THE UK CPMD PROJECT REPRESENTATIVE FOR PROPER COORDINATION. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
- H ALL DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE INSTALLED A MINIMUM OF 4" ABOVE THE TOP OF THE CEILING GRID PER UK STANDARDS.

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
AVG	AVERAGE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR
CO	CARBON MONOXIDE
COND	CONDENS (-ER, -ING, -ATION, -ATE)
CONT	CONTINU (-ED, -OUS)
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	VALVE FLOW COEFFICIENT
dB	DECIBEL
DB	DRY BULB
DC	DIRECT CURRENT
DD	DUCT SMOKE DETECTOR
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE (-S)
DIA	DIAMETER (-S)
DN	DOWN
DWG	DRAWING
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVA (-TION, -TOR)
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E, -ING, -ED, -OR, -ION)
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERIOR
FA	FREE AREA

ABBREVIATIONS (CONTINUED)

FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FPC	FIRE PROTECTION CONTRACTOR
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET OR FOOT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	HUMIDITY
HD	HEAD
HG	MERCURY
HORIZ	HORIZONTAL
HP	H (-ORSEPOWER, -EAT PUMP)
HR	HOUR (-S)
HVAC	HEATING, VENTILATING, & AIR-CONDITIONING
Hz	HERTZ
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INSUL	INSULAT (-ED, -ION)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
kW	KILOWATT
kWh	KILOWATT HOUR
LBS	POUNDS
LF	LINEAR FEET/FOOT
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MOCp	MAXIMUM OVERCURRENT PROTECTION [AMPS]
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NIC	NOT IN CONTRACT

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -HENSION)
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCl	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OR	OPEN RECEPTACLE
OZ	OUNCE (-S)
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PLBG	PLUMBING
PPM	PARTS PER MILLION
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PSIG GAUGE
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SQ	SQUARE
SQ FT	SQUARE FEET OR FOOT
SQ IN	SQUARE INCH OR INCHES
TAB	TESTING AND BALANCING
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEMP	TEMPERATURE
TPA	TRAP PRIMER ADAPTER
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VARI (-ABLE, -IES)
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
VFD	VARIABLE FREQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WBT	WET BULB TEMPERATURE
WPD	WATER PRESSURE DROP
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
¢	CENTERLINE

GENERAL SYMBOLS

	TAGGED NOTE DESIGNATOR
	REVISION TRIANGLE
	ROOM TAG
	EQUIPMENT TAG
	DOMESTIC WATER RISER TAG
	SANITARY, WASTE, & VENT RISER TAG
	FIRE SUPPRESSION RISER TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION
--D(XXX)--	PIPING TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
--E(XXX)--	EXISTING PIPING - (XXX) DENOTES SYSTEM
--A(XXX)--	ABANDONED IN PLACE PIPING - (XXX) DENOTES SYSTEM

VALVE SYMBOL LEGEND

	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	AUTOMATIC AIR VENT (AAV)
	MANUAL AIR VENT (MAV)
	MANUAL BALANCING VALVE (BV)
	BALL VALVE
	BUTTERFLY VALVE
	TRIPLE DUTY VALVE (TDV)
	STRAINER
	MANUAL ISOLATION VALVE
	GLOBE VALVE
	OS&Y (GATE) VALVE
	PRESSURE REDUCING VALVE (STEAM, GAS, WATER, ETC.)
	AUTO-FLOW CONTROL VALVE
	CHECK VALVE
	DOUBLE CHECK VALVE ASSEMBLY

PLUMBING PIPING LEGEND

	PIPE ELBOW TURNING UP
	PIPE ELBOW TURNING DOWN
	PIPE TEE; CONNECTION ON TOP
	PIPE TEE; CONNECTION ON BOTTOM
	PIPE CAP
—AVT—	ACID VENT
—AW—	ACID WASTE
—CA—	COMPRESSED AIR
—CAI/E—	COMBUSTION AIR INTAKE/EXHAUST
—CBS/R—	CHILLED BEAM SUPPLY/RETURN
—CD—	CONDENSATE DRAIN
—CO2—	CARBON DIOXIDE
—CST—	CLEAN STEAM PIPING
-- -- -- --	DOMESTIC COLD WATER (DCW)
-- -- -- --	
—DHW— —DHW(#°F)—	DOMESTIC HOT WATER (DHW)
-- -- -- --	
—DHR— —DHR(#°F)—	RECIRCULATED DOMESTIC HOT WATER (DHR)
—HPC—	HIGH PRESSURE STEAM CONDENSATE
—HPS(#)—	HIGH PRESSURE STEAM; (#) DENOTES PRESSURE
—HPS/R—	HEAT PUMP WATER SUPPLY/RETURN
—HRS/R—	HEAT RECOVERY SUPPLY/RETURN PIPING
—HWS/R—	HEATING WATER SUPPLY/RETURN
—LPC—	LOW PRESSURE STEAM CONDENSATE
—LPS(#)—	LOW PRESSURE STEAM; (#) DENOTES PRESSURE
—MPC—	MEDIUM PRESSURE STEAM RETURN
—MPS(#)—	MEDIUM PRESSURE STEAM; (#) DENOTES PRESSURE
—SPD—	STEAM CONDENSATE PUMPED DISCHARGE
—SVT—	STEAM VENT PIPING

PLUMBING SYMBOL LEGEND

	FLEXIBLE PIPE CONNECTION
	FLOW METER (VENTURI)
	PIPING UNION
	FLOW SWITCH
	PRESSURE SWITCH
	TAMPER SWITCH
	THERMOMETER
	PETE'S PLUG; TEMPERATURE/PRESSURE PORT

PLUMBING FIXTURE SCHEDULE

TAG	DESCRIPTION	CW	HW	VENT	WASTE/DRAIN	VOLTAGE	EXTERNAL CHECK VALVE
P-1	WATER CLOSET - FLOOR MOUNTED - MANUAL FLUSH VALVE: VITREOUS CHINA, 15" HIGH ELONGATED BOWL, SIPHON JET, 11/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE WITH MANUAL 1.6 GPF FLUSH VALVE. VITREOUS CHINA, 15" HIGH ELONGATED BOWL, SIPHON JET, 11/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE WITH MANUAL 1.6 GPF FLUSH VALVE.	1-1/2"	-	2"	4"	Yes	Yes
P-1A	WATER CLOSET - FLOOR MOUNTED - MANUAL FLUSH VALVE - ADA COMPLIANT: VITREOUS CHINA, 18" HIGH ELONGATED BOWL, SIPHON JET, 11/2" TOP SPUD INLET, CHINA BOLT CAPS AND WHITE OPEN FRONT PLASTIC SEAT WITH SELF-SUSTAINING CHECK HINGES. PROVIDE MANUAL 1.6 GPF FLUSH VALVE WITH HANDLE AT A MAXIMUM OF 31" AFF.	1-1/2"	-	2"	4"	Yes	Yes
P-2	URINAL - VITREOUS CHINA SIPHON JET URINAL WITH 3/4" TOP SPUD INLET, 2" I.P.S. OUTLET AND 1.0 GPF MANUAL FLUSH VALVE. MOUNT WITH LIP OF URINAL AT 24" ABOVE FINISHED FLOOR. PROVIDE FLOOR MOUNTED WALL CARRIER.	3/4"	-	2"	2"	Yes	Yes
P-2A	URINAL - ADA COMPLIANT - VITREOUS CHINA SIPHON JET URINAL WITH 3/4" TOP SPUD INLET, 2" I.P.S. OUTLET AND 1.0 GPF MANUAL FLUSH VALVE. MOUNT WITH LIP OF URINAL AT 16" ABOVE FINISHED FLOOR. CONTROLS SHALL BE A MAXIMUM OF 39" ABOVE FINISHED FLOOR. PROVIDE FLOOR MOUNTED WALL CARRIER.	3/4"	-	2"	2"	Yes	Yes
P-3	LAVATORY - SOLID SURFACE INTEGRAL BOWLS, ADA COMPLIANT - PROVIDE WITH 1.6 GPM SINGLE LEVER FAUCET, GRID DRAIN, 3/8" ANGLE SUPPLIES WITH STOPS, KENTUCKY CODE P-TRAP, TAILPIECE AND ESCUTCHEONS. PROVIDE ON THE EXPOSED WASTE PIPE AND WATER SUPPLY LINES A TRAP-WRAP INSULATION KIT WITH A VINYL PLASTIC COVERING.	1/2"	1/2"	2"	2"	Yes	Yes
P-4	WASHER BOX: RECESSED 20 GAUGE METAL WASHER BOX WITH 1/2" HW AND CW BOTTOM HOSE CONNECTIONS AND 2" DRAIN. PROVIDE WITH WATER HAMMER ARRESTORS IN WATER SUPPLY LINES.	3/4"	3/4"	2"	2"	Yes	Yes

APPLICABLE BUILDING CODES		
APPLICABLE BUILDING CODES	DOCUMENT	YEAR
ACCESSIBLE AND USEABLE BUILDINGS AND FACILITIES	ANSI A117.1	2009
FIRE SPRINKLER CODE	NFPA 13	2013
INTERNATIONAL BUILDING CODE (IBC)	STATE EDITION	2015
INTERNATIONAL ENERGY CONSERVATION CODE (IECC) OR ASHRAE 90.1	STATE EDITION	2012
INTERNATIONAL FIRE CODE (IFC)	STATE EDITION	2015
INTERNATIONAL FUEL GAS CODE (IFGC)	STATE EDITION	2015
INTERNATIONAL MECHANICAL CODE (IMC)	STATE EDITION	2015
INTERNATIONAL PLUMBING CODE (IPC)	STATE EDITION	2015
INTERNATIONAL EXISTING BUILDING CODE (IEBC)	STATE EDITION	2009
NATIONAL ELECTRIC CODE (NEC)	NFPA 70	2017
NATIONAL FIRE ALARM & SIGNALING CODE	NFPA 72	2013
UNIFORM STATEWIDE BUILDING CODE		2018

Sheet List - Plumbing	
SHEET #	SHEET NAME
P1.0	PLUMBING LEGEND
P2.0	PLUMBING PLANS



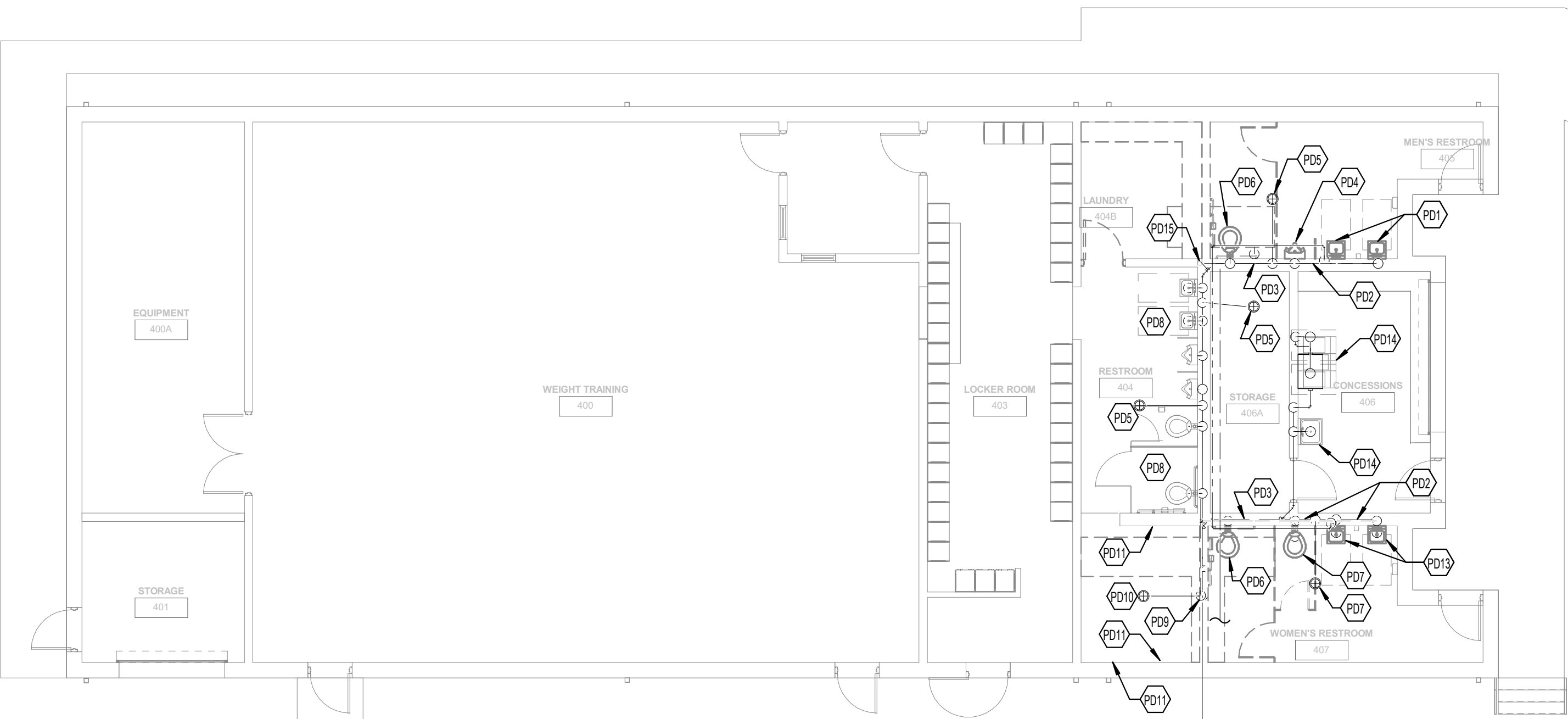
M.E.&P. Engineer:
CMAA, Inc.
2429 Members Way
Lexington, KY 40304
p.857.253.0892

BG# 22-243

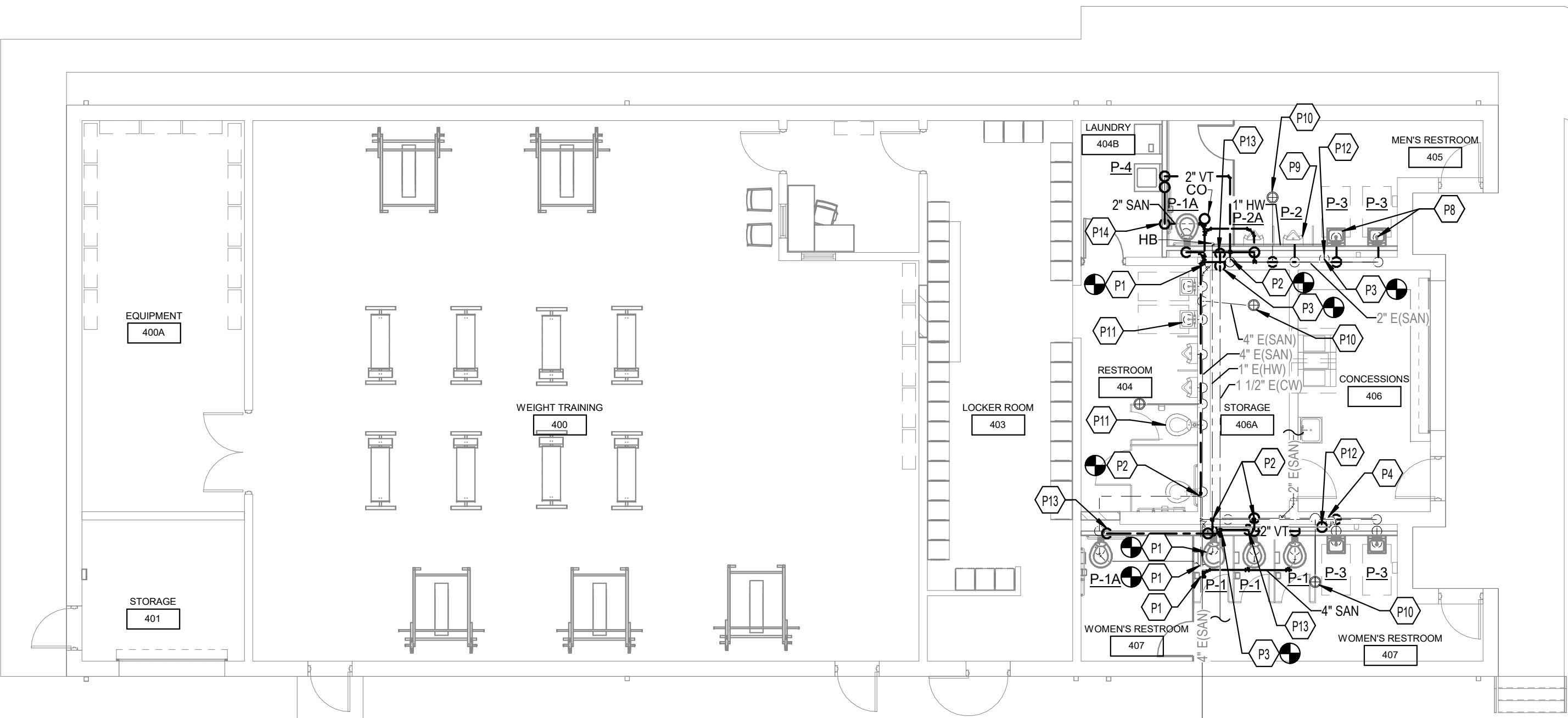
Project No: 2162
Drawn By: CE
Rev'd By: CRK

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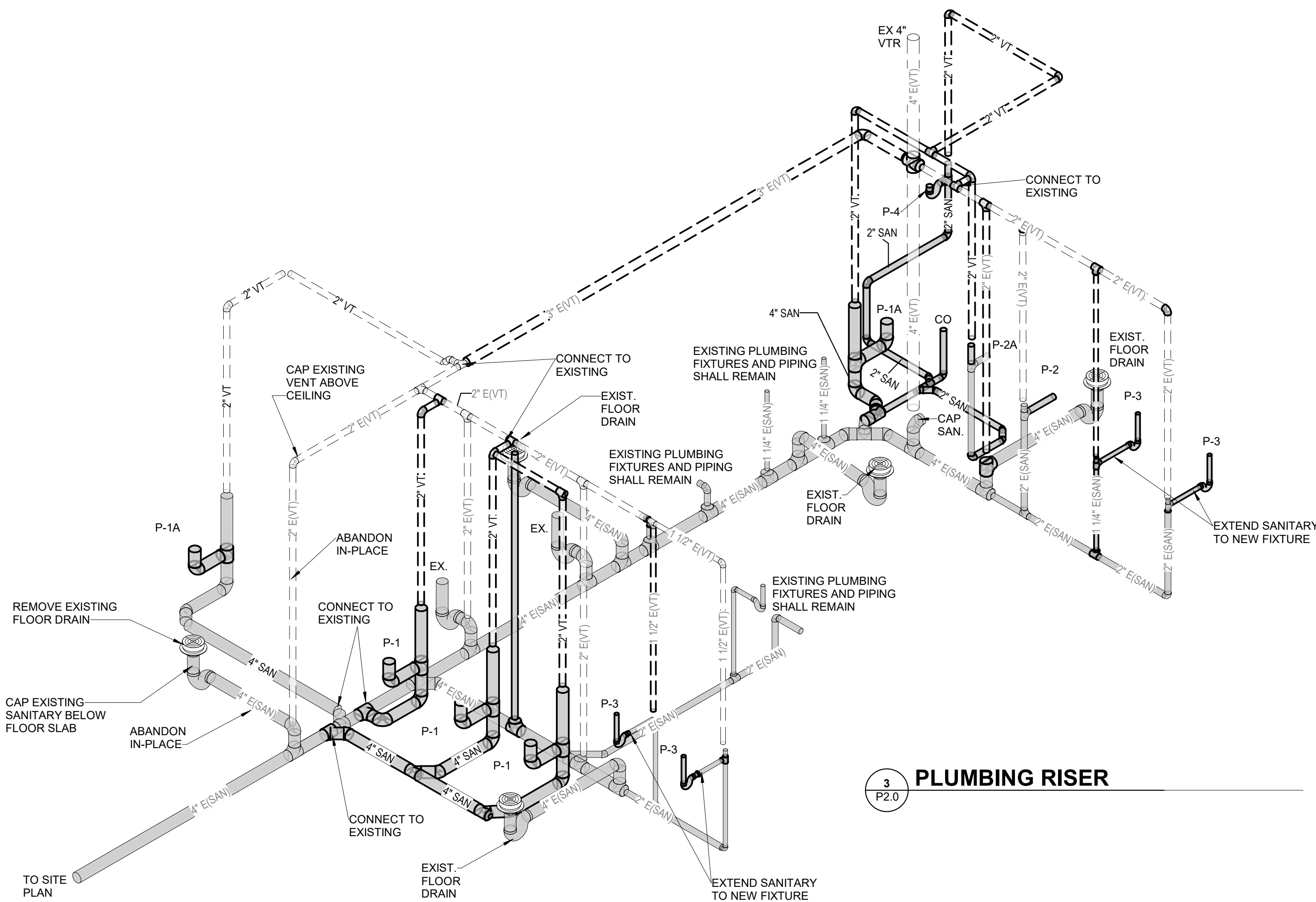
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1 Plumbing Demolition
P2.0 1/8" = 1'-0"



2 Plumbing New Work
P2.0 1/8" = 1'-0"



3 PLUMBING RISER
P2.0

TAGGED NOTES

- P1 CONNECT TO EXISTING 4" SANITARY LINE UNDER-SLAB. FIELD VERIFY EXACT LOCATION AND DEPTH. REPAIR EXISTING WALL AND FLOOR SLAB TO MATCH EXISTING.
- P2 CONNECT TO EXISTING VENT LINE. FIELD VERIFY EXACT LOCATION. REPAIR EXISTING WALL TO MATCH EXISTING.
- P3 CONNECT TO EXISTING WATER LINE. FIELD VERIFY EXACT LOCATION. REPAIR EXISTING WALL TO MATCH EXISTING.
- P4 EXISTING SANITARY AND WATER PIPING SHALL REMAIN.
- P8 INSTALL NEW WALL HUNG LAVATORY AND CARRIER. EXTEND SANITARY AND DOMESTIC WATER LINES AND CONNECT TO EXISTING.
- P9 INSTALL NEW WALL HUNG URINAL AND CARRIER. EXTEND SANITARY AND DOMESTIC WATER LINE AND CONNECT TO EXISTING. EXISTING FLOOR DRAIN AND PIPING SHALL REMAIN.
- P10 EXISTING PLUMBING FIXTURES AND PIPING IN RESTROOM 404 SHALL REMAIN.
- P12 1/2" HOT WATER LINE DOWN IN CHASE. CONNECT TO NEW PLUMBING FIXTURES PER FIXTURE SCHEDULE.
- P13 1 1/2" COLD WATER LINE DOWN IN CHASE. CONNECT TO NEW PLUMBING FIXTURES PER FIXTURE SCHEDULE.
- P14 2" SANITARY DOWN TO BELOW FLOOR SLAB. REMOVE EXISTING LAVATORIES. CAP EXISTING PIPING FOR FUTURE CONNECTION.
- PD1 REMOVE EXISTING LAVATORIES. CAP EXISTING PIPING FOR FUTURE CONNECTION.
- PD2 EXISTING PIPING SHALL REMAIN.
- PD3 EXISTING SANITARY SHALL REMAIN.
- PD4 REMOVE EXISTING URINAL. CAP EXISTING PIPING FOR FUTURE CONNECTION.
- PD5 EXISTING FLOOR DRAIN AND PIPING SHALL REMAIN.
- PD6 REMOVE EXISTING WATER CLOSET AND CAP PIPING.
- PD7 EXISTING WATER CLOSET SHALL REMAIN.
- PD8 EXISTING PLUMBING FIXTURES IN RESTROOM 404 SHALL REMAIN.
- PD9 CAP EXISTING VENT ABOVE CEILING AND ABANDON IN PLACE.
- PD10 REMOVE EXISTING FLOOR DRAIN AND CAP SANITARY BELOW SLAB.
- PD11 REMOVE ALL EXISTING SHOWER VALVES AND PIPING. CAP PIPING ABOVE CEILING.
- PD13 EXISTING LAVATORIES SHALL REMAIN.
- PD14 EXISTING PLUMBING FIXTURES AND PIPING IN CONCESSION AREA SHALL REMAIN.
- PD15 EXISTING CLEANOUT TO REMAIN.

PLUMBING PLANS
ESTILL CO. HIGH SCHOOL ARP ESSER STADIUM RESTROOM RENOVATION
FOR:
ESTILL COUNTY SCHOOLS
IRVINE, KENTUCKY

M.E.&P. Engineer:
CMIA, Inc.
2429 Members Way
Lexington, KY 40304
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BG# 22-243

Project No: 2162
Drawn By: CE
Rev'd By: CRK

SHEET RELEASE

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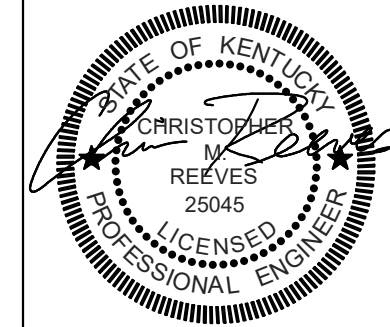
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P2.0

PLUMBING PLANS

DATE ISSUED:
MARCH 2022

rosarrant
architects



101 old ladyette avenue lexington, kentucky 40502 p. 859.254.4018

MECHANICAL GENERAL NOTES

- A. COORDINATE THE LOCATION OF DRAINS, THERMOSTATS, ETC., WITH ALL CASEWORK EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC., PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE CONTRACTOR.
- B. THE CONTRACTOR SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO INSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE, FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC., OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORD WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORD WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- C. WHERE WORK IS REQUIRED ABOVE EXISTING LAY-IN, PLASTER OR GYPSUM BOARD CEILINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL AND REINSTALLATION (OR REPLACEMENT, IF DAMAGED) OF ALL CEILING OR TILE AND GRID MEMBERS NECESSARY TO PERFORM HIS WORK. NEW TILE AND GRID SHALL MATCH THE SURROUNDING AREAS. ALL PATCHING WORK SHALL MATCH ADJACENT SURFACES.
- D. ALL NEW WORK SHALL BE HUNG FROM STRUCTURE, NOT FROM THE WORK OF OTHER TRADES, WHETHER EXISTING OR NEW.
- E. PATCH, REPAIR AND PAINT OR PROVIDE WALL COVERING FOR (TO OWNER'S STANDARDS) EXISTING WALLS, CEILINGS, ETC., THAT ARE TO REMAIN IF DAMAGED DURING CONSTRUCTION. REPAIRS SHALL MATCH ADJACENT SURFACES TO THE SATISFACTION OF THE ARCHITECT AND OWNER.
- F. OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, FEDERAL, MUNICIPALITY, UTILITY COMPANY, COMMONWEALTH OF KENTUCKY, ETC.)
- G. CONTRACTOR SHALL BE AWARE OF UNSEEN PLUMBING, HVAC AND ELECTRICAL WORK DURING DEMOLITION. IF ITEMS ARE UNCOVERED DURING DEMOLITION THEN FIELD VERIFY THE USE OF THE ITEMS AND PLAN AN ALTERNATE ROUTE TO RUN THESE ITEMS, THEN CONTACT THE ENGINEERS TO REVIEW THE ROUTING.
- H. ALL PENETRATIONS OF FIRE AND SMOKE RATED ASSEMBLIES SHALL BE APPROPRIATELY FIRE STOPPED PER AN APPROVED U.L. LISTED STANDARD. CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO INSULATED PIPING PENETRATIONS.
- I. ALL WORK REQUIRING DOWNTIME OF ANY AREA IN THE BUILDING SHALL BE SCHEDULED 2 WEEKS IN ADVANCE, AND SHALL COMPLY WITH INTERIM LIFE SAFETY MEASURES.
- J. ALL DUCTWORK, CONDUITS, ETC. IN ROOMS WITH CEILINGS SHALL BE ABOVE CEILING EXCEPT AS NOTED.
- K. LOCATIONS OF DUCTS AND EQUIPMENT ARE APPROXIMATE AND SUBJECT TO MINOR ADJUSTMENTS IN THE FIELD. DO NOT SCALE THE DRAWINGS.
- L. ALL OFFSETS IN DUCTS ARE NOT NECESSARILY SHOWN. PROVIDE ADDITIONAL OFFSETS WHERE NECESSARY.
- M. COORDINATE ALL HVAC WORK WITH ELECTRICAL, PLUMBING AND OTHER TRADES TO AVOID INTERFERENCE WITH PIPING, DUCTS, CONDUIT AND OTHER EQUIPMENT.
- N. INSTALL ALL DUCTWORK AND EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTION. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEERS PRIOR TO INSTALLATION FOR CLARIFICATION. PROVIDE RECOMMENDED ACCESS AND SERVICE CLEARANCES FOR ALL EQUIPMENT.
- O. SEAL AIRTIGHT AROUND ALL DUCT PENETRATIONS THROUGH WALLS, FLOORS AND ROOF. PROVIDE FIRE STOPPING IN FIRE PARTITION.
- P. SEAL ALL NEW DUCTWORK JOINTS WITH UNITED MCGILL, IRONGRIP 601 OR EQUAL WATER BASED SEALANT.
- Q. ALL MOTOR DRIVEN EQUIPMENT SHALL BE INSTALLED WITH FLEXIBLE CONNECTIONS TO DUCTWORK, PIPING, ETC., UNLESS OTHERWISE NOTED.
- R. THE CONTRACTOR SHALL RELOCATE OR AVOID ANY EXISTING EQUIPMENT APPURTENANCES, ETC., THAT CONFLICT WITH NEW WORK.
- S. WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEERS BEFORE INSTALLATION. REFER ALSO TO ARCHITECTURAL WALL INTERIOR AND EXTERIOR WALL ELEVATIONS, CEILING DETAIL OF THESE DOCUMENTS.
- T. DOUBLE WIDTH TURNING VANES SHALL BE INSTALLED IN ALL SUPPLY, RETURN, AND EXHAUST DUCTWORK ELBOWS. TURNING VANES NOT REQUIRED FOR KITCHEN EXHAUSTS.
- U. ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- V. DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT USED AS BASIS OF DESIGN SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEERS OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- W. BALANCING DAMPERS OR ANY MECHANICAL/ELECTRICAL ITEM REQUIRING ACCESS SHALL NOT BE LOCATED ABOVE A HARD CEILING. IF THIS IS NOT POSSIBLE, THEN AN APPROPRIATELY SIZED ACCESS DOOR SHALL BE PLACED UNDER THE ITEM TO ALLOW EASY MAINTENANCE AND ADJUSTMENT. ADDITIONALLY ALL SUCH ITEMS SHALL NOT BE LOCATED AN UNREASONABLE DISTANCE ABOVE THE CEILINGS. IN GENERAL ALL SUCH ITEMS UNLESS INDICATED OTHERWISE SHALL BE MOUNTED SIX TO TWELVE INCHES ABOVE THE CEILING. IF IN DOUBT, CONTACT ENGINEER PRIOR TO INSTALLING.
- X. PIPING SHALL NOT BE LOCATED UNDER A FOOTER OR IN THE ZONE OF INFLUENCE. THE ZONE OF INFLUENCE IS THE AREA UNDER THE FOOTER WITHIN A 45 DEGREE ANGLE PROJECTING DOWN FROM THE BOTTOM EDGE OF THE FOOTER OF ALL SIDES OF THE FOOTER. ADDITIONALLY, GREASE TRAPS, MANHOLES, VAULTS AND OTHER UNDERGROUND STRUCTURES SHALL BE HELD AWAY FROM BUILDING WALLS FAR ENOUGH TO BE OUTSIDE OF THE ZONE OF INFLUENCE.
1. WORK IN CONFLICT AREAS SHALL BE IN ACCORDANCE WITH THE OWNER'S STANDARDS.
2. THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR AREAS IN WHICH THE CEILING IS REMAINING. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE EXISTING CEILING AS REQUIRED AND REINSTALLATION. TEMPORARILY SUPPORT LIGHTS, DIFFUSERS, CEILING ETC. REPLACE BROKEN CEILING TILES WITH NEW AT NO ADDITIONAL COST TO OWNER. FIELD VERIFY EXACT REQUIREMENTS.
- A. ALL WALLS AND FLOOR SLABS SHALL BE REPAIRED TO MATCH EXISTING AND TO A LIKE NEW CONDITION. ALL RATED WALLS AND FLOOR SLABS SHALL BE PATCHED AND REPAIRED TO MAINTAIN RATING.
- B. ALL EXISTING BUILDING FINISHES SHALL BE PROTECTED DURING THE DEMOLITION PHASE.
- C. HEAVY DASHED LINES INDICATE ITEMS FOR REMOVAL (UON) AND LIGHT SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- D. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH THE OWNER.
- E. A REQUEST FOR AN OUTAGE SHALL BE SUBMITTED IN WRITING A MINIMUM OF TWO WEEKS IN ADVANCE.
- F. ALL DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE INSTALLED A MINIMUM OF 4" ABOVE THE TOP OF THE CEILING GRID.

MECHANICAL DEMOLITION NOTES

ABBREVIATIONS

AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AFUE	ANNUAL FUEL UTILIZATION EFFICIENCY
AHJ	AUTHORITY HAVING JURISDICTION
AMP	AMPERE (AMP, AMPS)
ANSI	AMERICAN NATIONAL STANDARD INSTITUTE
APD	AIR PRESSURE DROP
ASHRAE	AMERICAN SOCIETY OF HEATING, REFRIGERATION, AND AIR-CONDITIONING ENGINEERS
ATU	AIR TERMINAL UNIT
AVG	AVERAGE
BHP	BREAK HORSEPOWER
BTU	BRITISH THERMAL UNIT
CAP	CAPACITY
CAV	CONSTANT AIR VOLUME
CD	CONDENSATE DRAIN
CFM	CUBIC FEET PER MINUTE
C.I.	CAST IRON
CLG	CEILING
CLR	CLEAR
COND	CONDENS (-ER, -ING, -ATION, -ATE)
CONT	CONTINU (-ED, -OUS)
CU FT	CUBIC FEET
CU IN	CUBIC INCHES
CV	VALVE FLOW COEFFICIENT
dB	DECIBEL
DB	DRY BULB
DBT	DRY BULB TEMPERATURE
DC	DIRECT CURRENT
DD	DUCT SMOKE DETECTOR
DEG	DEGREE (-S)
DIA	DIAMETER (-S)
DN	DOWN
DWG	DRAWING
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ELEV	ELEVA (-TION, -TOR)
ENGR	ENGINEER
EQ	EQUAL
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EVAP	EVAPORAT (-E, -ING, -ED, -OR, -ION)
EWT	ENTERING WATER TEMPERATURE
EXP	EXPANSION
EXT	EXTERIOR
FA	FREE AREA

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY BE USED ON THIS PROJECT

ABBREVIATIONS (CONTINUED)

FL	FLOOR
FLA	FULL LOAD AMPS
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FFM	FEET PER MINUTE
FPS	FEET PER SECOND
FT	FEET OR FOOT
FUT	FUTURE
FV	FACE VELOCITY
GA	GAGE/GAUGE
GAL	GALLON (-S)
GC	GENERAL CONTRACTOR
GPD	GALLONS PER DAY
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRAINS
H	HUMIDITY
HG	MERCURY
HORIZ	HORIZONTAL
HP	H (-ORSEPOWER, -EAT PUMP)
HR	HOUR (-S)
HVAC	HEATING, VENTILATING, & AIR-CONDITIONING
Hz	HERTZ
ID	I (-DENTIFICATION, -NSIDE DIAMETER, -NSIDE DIMENSION)
IN	INCH (-ES)
INSUL	INSULAT (-ED, -ION)
INT	INTER (-IOR, -ERVAL)
IPS	IRON PIPE SIZE
KW	KILOWATT
kWh	KILOWATT HOUR
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LF	LINEAR FEET/FOOT
LRA	LOCKED ROTOR AMPS
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	BTU PER HOUR [THOUSANDS]
MCA	MINIMUM CIRCUIT AMPS
MFG	MANUFACTURER
MIN	MIN (-IMUM, -UTE)
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION [AMPS]
MTG	MOUNTING
N/A	NOT APPLICABLE
NC	NOISE CRITERIA OR NORMALLY CLOSED
NEBB	NATIONAL ENVIRONMENTAL BALANCING BUREAU
NIC	NOT IN CONTRACT

ABBREVIATIONS (CONTINUED)

NO	NORMALLY OPEN OR NUMBER
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DI (-AMETER, -MENSION)
OCFI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OR	OPEN RECEPTACLE
OZ	OUNCE (-S)
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PH	PHASE [ELECTRICAL]
PLBG	PLUMBING
PRS	PRESSURE REDUCING STATION
PRV	PRESSURE REDUCING VALVE (STEAM, WATER, GAS)
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIG	PPSI GAUGE
RH	RELATIVE HUMIDITY [%]
RLA	RUNNING LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SP	STATIC PRESSURE
SQ	SQUARE
SQ FT	SQUARE FEET OR FOOT
SQ IN	SQUARE INCH OR INCHES
TAB	TESTING AND BALANCING
TBD	TO BE DETERMINED
TE	TOP ELEVATION
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
V	VOLT (-AGE, -S)
VAR	VAR (-ABLE, -IES)
VEL	VELOCITY
VFD	VARIABLE FEQUENCY DRIVE
W	WATT (-AGE, -S)
WB	WET BULB
WBT	WET BULB TEMPERATURE
WPD	WATER PRESSURE DROP
WT	WEIGHT
W/	WITH
W/O	WITHOUT
%	PERCENT
ΔP	DIFFERENTIAL PRESSURE
ΔT	TEMPERATURE DIFFERENCE
℄	CENTERLINE

GENERAL SYMBOLS

	TAGGED NOTE DESIGNATOR
	REVISION TRIANGLE
	ROOM TAG
	EQUIPMENT TAG
	POINT OF CONNECTION / CONNECT TO EXISTING
	POINT OF DEMOLITION

HVAC LEGEND

	SUPPLY AIR DIFFUSER
	RETURN AIR DIFFUSER
	EXHAUST AIR DIFFUSER
	TRANSFER AIR DIFFUSER W/ SOUND ATTENUATING BOOT
	SIDEWALL DIFFUSER/GRILLE
	SIDEWALL DIFFUSER/GRILLE
	AIR DEVICE TAG (REGISTER, GRILLE, DIFFUSER, LOUVER)
	RECTANGULAR DUCT
	ROUND/SPIRAL DUCT
	SUPPLY AIR DUCT
	RETURN AIR DUCT
	EXHAUST AIR DUCT
	SA AIR DUCT TURNING UP
	SA AIR DUCT TURNING DOWN
	RA AIR DUCT TURNING UP
	RA AIR DUCT TURNING DOWN
	EA AIR DUCT TURNING UP
	EA AIR DUCT TURNING DOWN
	EXISTING DUCT - (XXX) DENOTES SYSTEM
	DUCT TO BE DEMOLISHED - (XXX) DENOTES SYSTEM
	DUCT TO BE ABANDONED IN PLACE - (XXX) DENOTES SYSTEM
	MITERED ELBOW WITH TURNING VANES
	FLEXIBLE DUCT
	THERMOSTAT
	TEMPERATURE SENSOR
	HUMIDITY SENSOR
	CARBON DIOXIDE SENSOR
	TEMPERATURE & CARBON DIOXIDE SENSOR
	MANUAL BALANCING/VOLUME DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	SMOKE DAMPER
	COMBINATION FIRE & SMOKE DAMPER

MECHANICAL LEGEND
ESTILL CO. HIGH SCHOOL ARP ESSER STADIUM RESTROOM RENOVATION
FOR:
ESTILL COUNTY SCHOOLS
IRVINE, KENTUCKY

M.E.&P. Engineer:
CMI/A, Inc.
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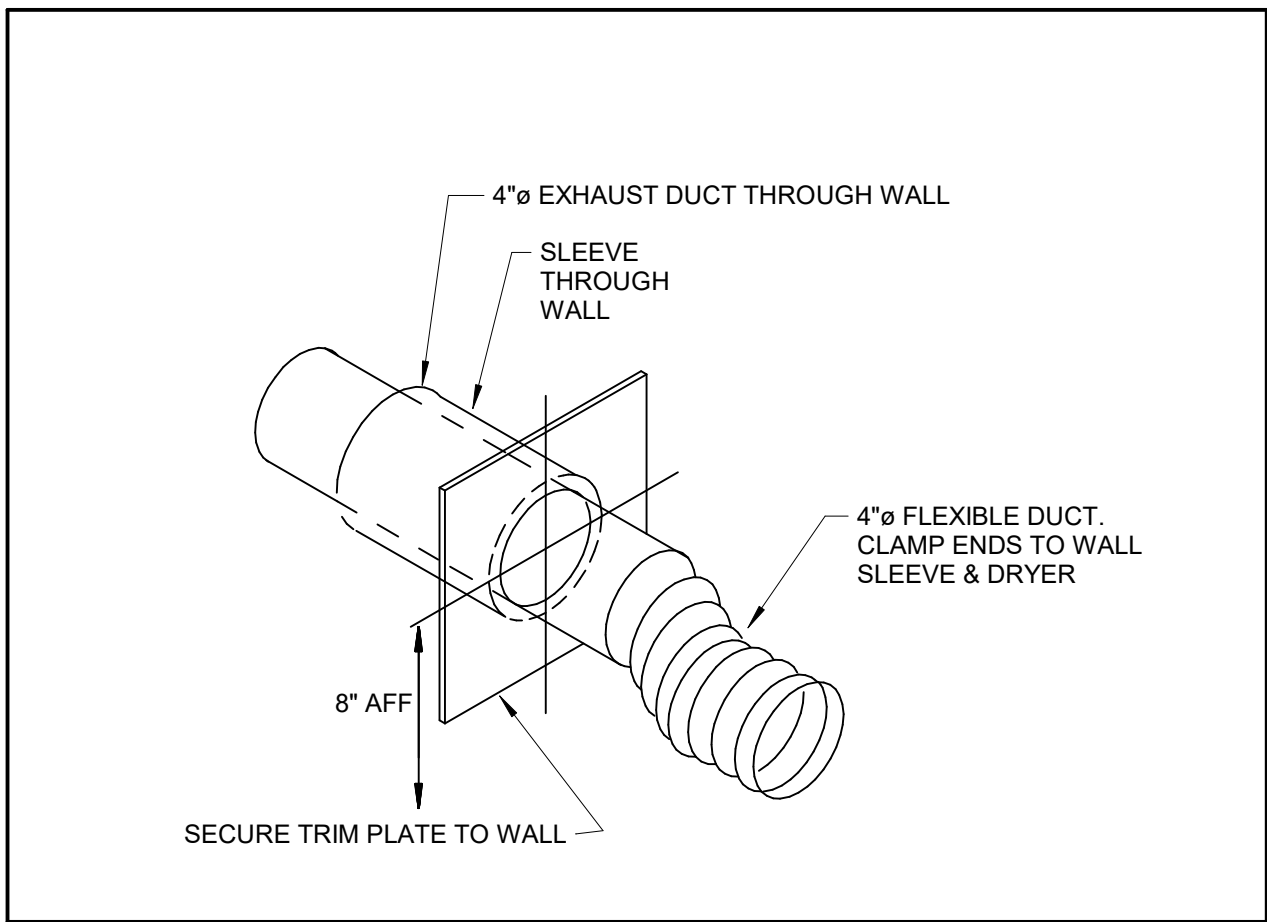
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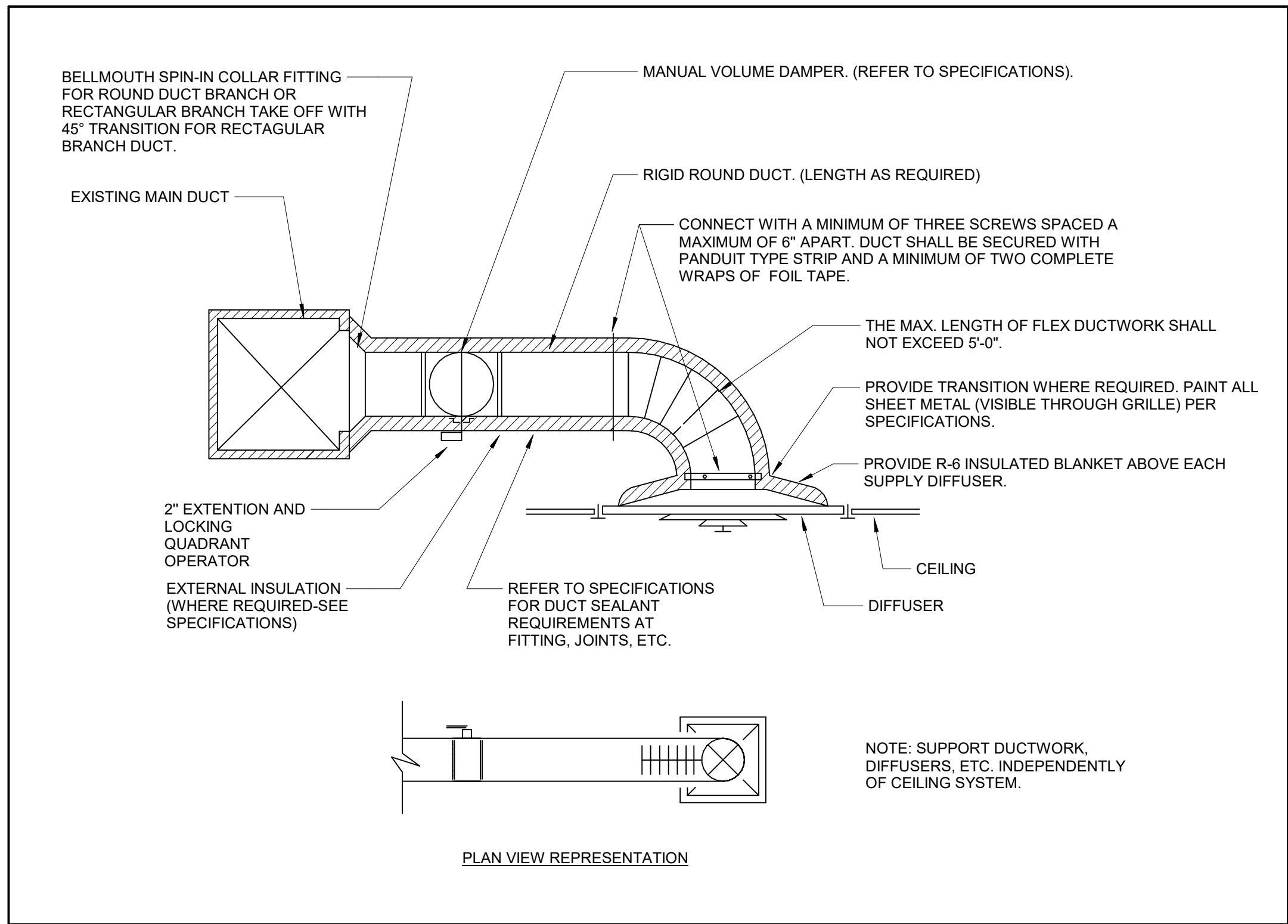
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M1.0
MECHANICAL LEGEND
DATE ISSUED:
MARCH 2022

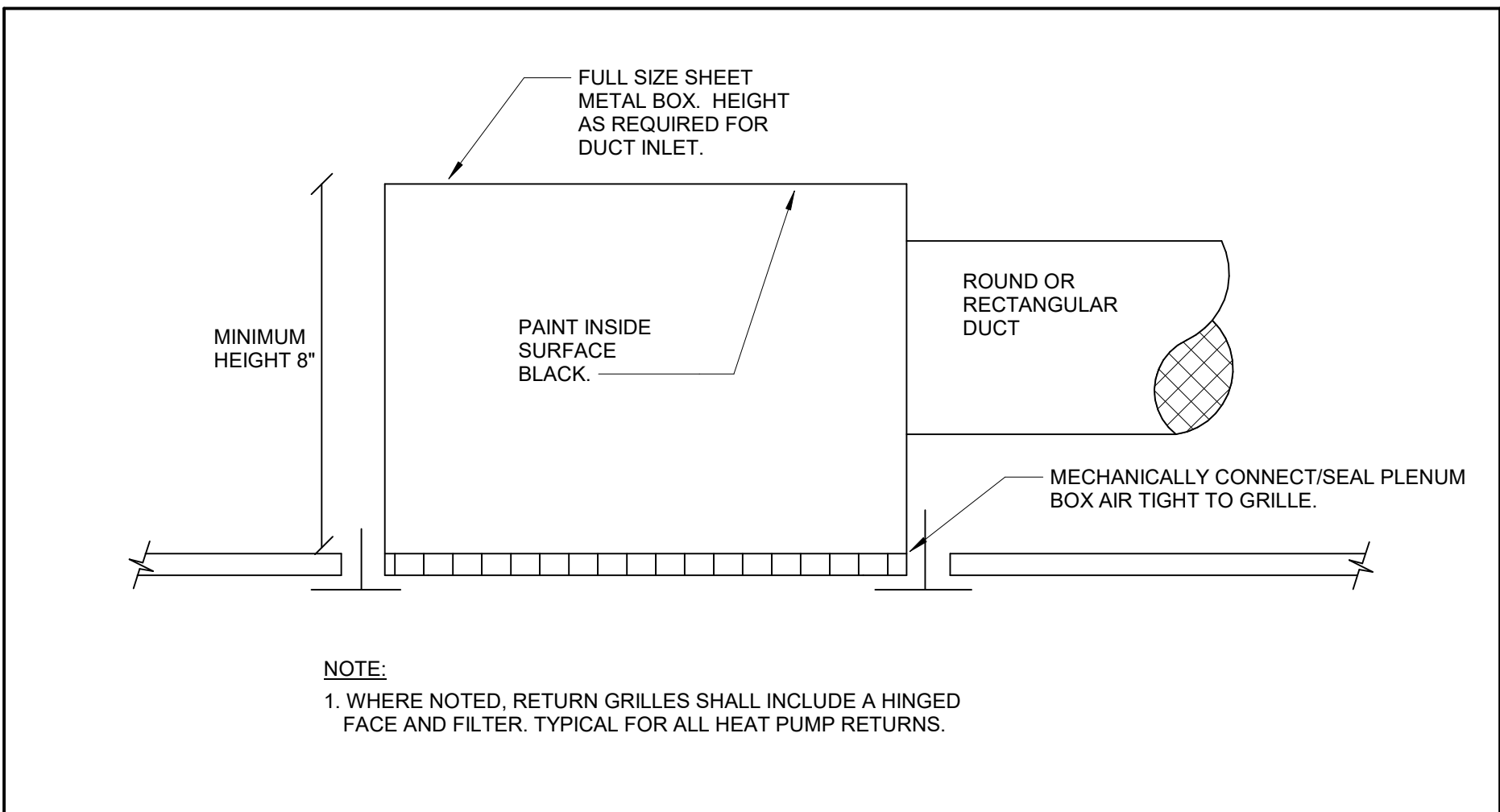
APPLICABLE BUILDING CODES		
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UNIFORM STATEWIDE BUILDING CODE		2018



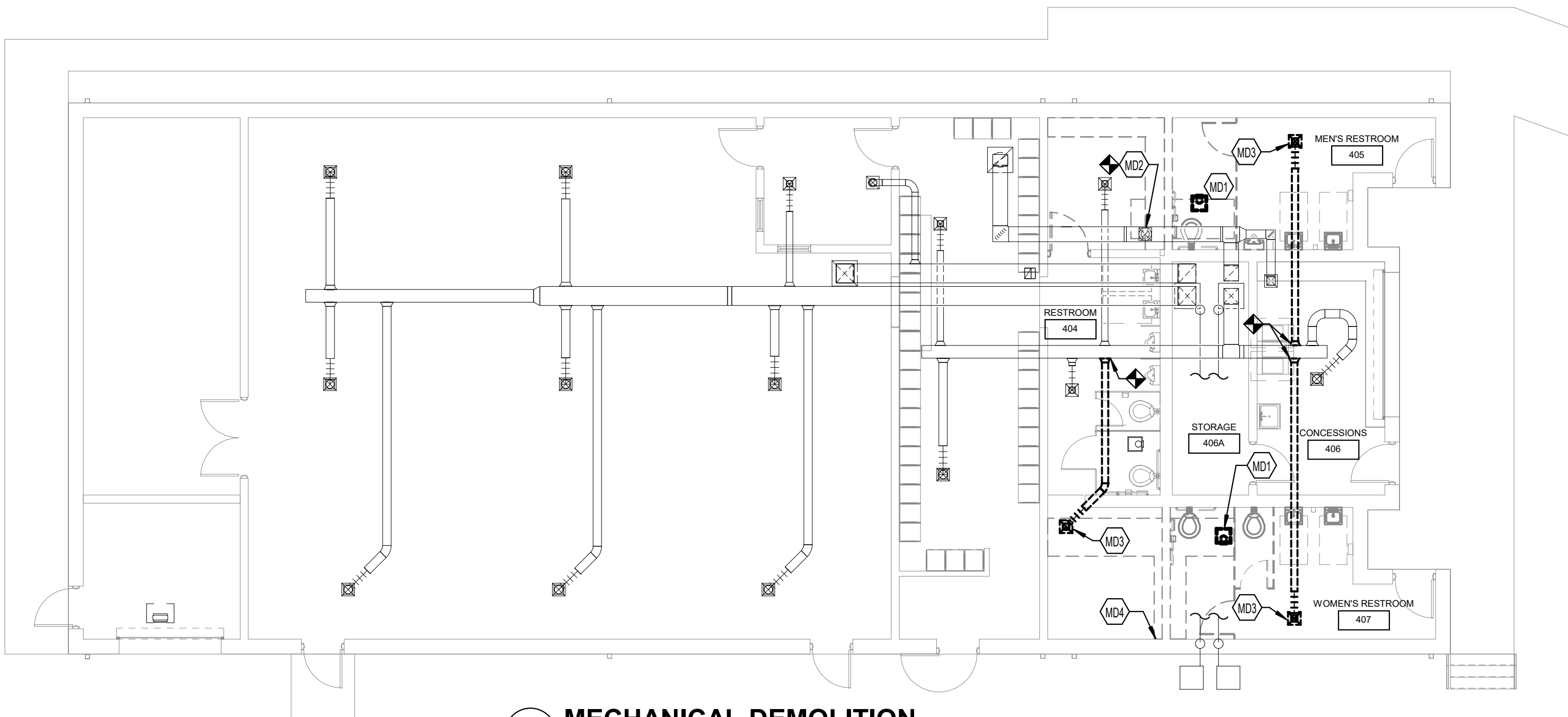
3 DUCT DRYER VENT HOOKUP DETAIL
M2.0 NOT TO SCALE



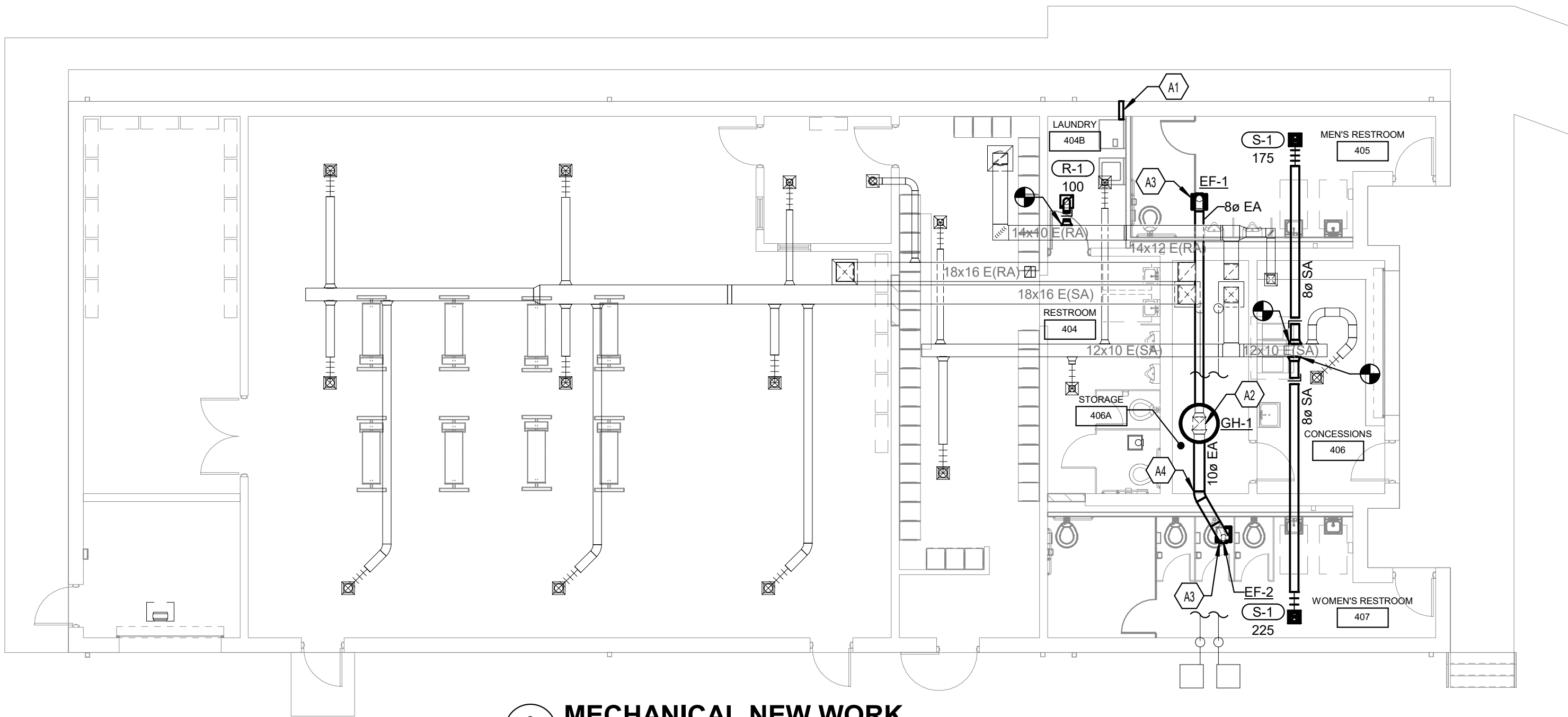
4 TYPICAL SUPPLY BRANCH DUCT DETAIL
M2.0 NOT TO SCALE



5 DUCTED RETURN/EXHAUST/RELIEF AIR GRILLE DETAIL
M2.0 NOT TO SCALE



1 MECHANICAL DEMOLITION
M2.0 1/8" = 1'-0"



2 MECHANICAL NEW WORK
M2.0 1/8" = 1'-0"

REGISTERS, GRILLES, AND DIFFUSERS

MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	NECK SIZE	DUCT BRANCH SIZE	MAX CFM	P. D.	NOISE CRITERIA	THROW PATTERN	REMARKS
R-1	TITUS	50F	ALUMINUM 1/2" EGG CRATE	12"x12"	12"x12"	6"x6"	6"Ø	100	0.05	25		1,2,3
S-1	TITUS	TDC-AA	SQUARE LOUVERED FACE DIFFUSER	12"x12"	12"x12"	9"x9"	8"Ø	225	0.05	25	4-WAY	1,2,3

REMARKS:

- COLOR SELECTED BY ARCHITECT.
- COORDINATE MOUNTING TYPE (GYP BOARD) WITH ARCHITECTURAL DRAWINGS.
- ACCEPTABLE MANUFACTURERS INCLUDE METALAIR, KRUEGER, PRICE, OR APPROVED EQUAL.

EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL #	SERVICE	TYPE	AIRFLOW (CFM)	E.S.P.	DRIVE	RPM	FAN POWER (W)	AMPS	ELECTRICAL DATA			SONES	REMARKS
EF-1	GREENHECK	SP-A250	MEN'S RR	CEILING MOUNTED	243	0.28	DIRECT	1000	83	0.56	VOLTAGE	PHASE	HZ	3.7	1,2,3,4,5
EF-2	GREENHECK	SP-A410	WOMEN'S RR	CEILING MOUNTED	337	0.28	DIRECT	1000	121	1.7	115 V	1	60	3.9	1,2,3,4,5

REMARKS:

- PROVIDE WITH INTEGRAL DISCONNECT PER NEC WITH SINGLE POWER POINT CONNECTION.
- PROVIDE WITH UNIT MOUNTED SPEED CONTROL.
- PROVIDE WITH INTEGRAL BACKRAFT DAMPER.
- ALUMINUM GRILLE WITH BAKED ENAMEL FINISH.
- ACCEPTABLE MANUFACTURERS INCLUDE CARNES, COOK, AND JENN-AIR.

GRAVITY HOOD SCHEDULE

MARK	MANUFACTURER	MODEL	SERVICE	MAXIMUM CFM	THROAT LENGTH (IN)	THROAT WIDTH (IN)	THROAT VELOCITY (FPM)	PRESSURE DROP (IN WC)	WEIGHT (LBS.)	REMARKS
GH-1	GREENHECK	GRSR-12	RR EXHAUST	580	12.25	12.25	707	0.06	10	1,2,3

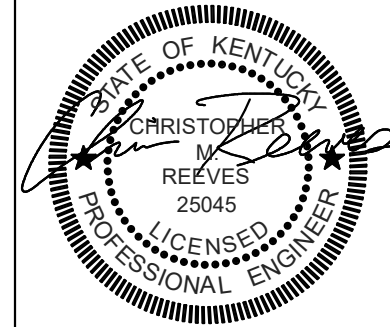
REMARKS:

- PROVIDE WITH BIRDSCREEN.
- PROVIDE KYMAR FINISH. COLOR TO BE SELECTED BY ARCHITECT.
- ACCEPTABLE MANUFACTURERS INCLUDE LOREN COOK, TWIN CITY FAN, OR APPROVED EQUAL.

TAGGED NOTES

- PROVIDE 4" DRYER EXHAUST DUCTWORK WITH EXTERNAL WALL CAP. LENGTH NOT TO EXCEED 25 EQUIVALENT FEET.
- PROVIDE 12"x12" EXHAUST DUCT UP TO ROOF. CONNECT TO NEW GH-1.
- MOUNT NEW EXHAUST FAN IN PLACE OF EXISTING DEMOLISHED EQUIPMENT. PATCH AND REPAIR CEILING TO MATCH EXISTING.
- MAINTAIN ATTIC ACCESS CLEARANCE WHEN INSTALLING NEW DUCTWORK.
- REMOVE EXISTING CEILING EXHAUST FAN AND ALL ASSOCIATED DUCTWORK, CONTROL WIRING, ETC.
- DEMOLISH EXISTING RETURN GRILLE AND BRANCH DUCTWORK BACK TO MAIN AND CAP. PATCH CEILING TO MATCH EXISTING.
- DEMOLISH EXISTING SUPPLY DIFFUSER AND CAP BACK AT MAIN AND CAP. PATCH CEILING TO MATCH EXISTING.
- REMOVE EXISTING DRYER EXHAUST DUCTWORK. PATCH AND REPAIR WALL PENETRATION TO MATCH EXISTING.

#



MECHANICAL PLANS
FOR:
ESTILL CO. HIGH SCHOOL ARP ESSER STADIUM RESTROOM RENOVATION
ESTILL COUNTY SCHOOLS
IRVINE, KENTUCKY

M.E.&P. Engineer:
CMIA, Inc.
2429 Members Way
Lexington, KY 40304
p. 859.253.0892

BG# 22-243

Project No: 2162
Drawn By: BDC
Rev'd By: CRK

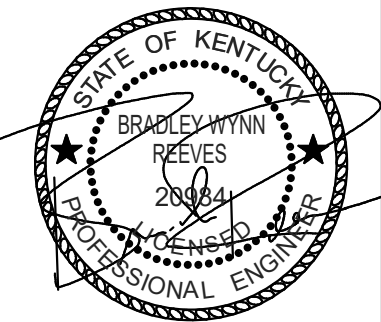
SHEET RELEASE

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M2.0
MECHANICAL PLANS

DATE ISSUED:
MARCH 2022



M.E.&P. Engineer:
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p 859.253.0892

BG# 22-243

Project No.: 2162
Drawn By: AJP
Rev'd By: BRW

SHEET RELEASE

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E1.0

ELECTRICAL LEGEND
DATE ISSUED:
MARCH 2022

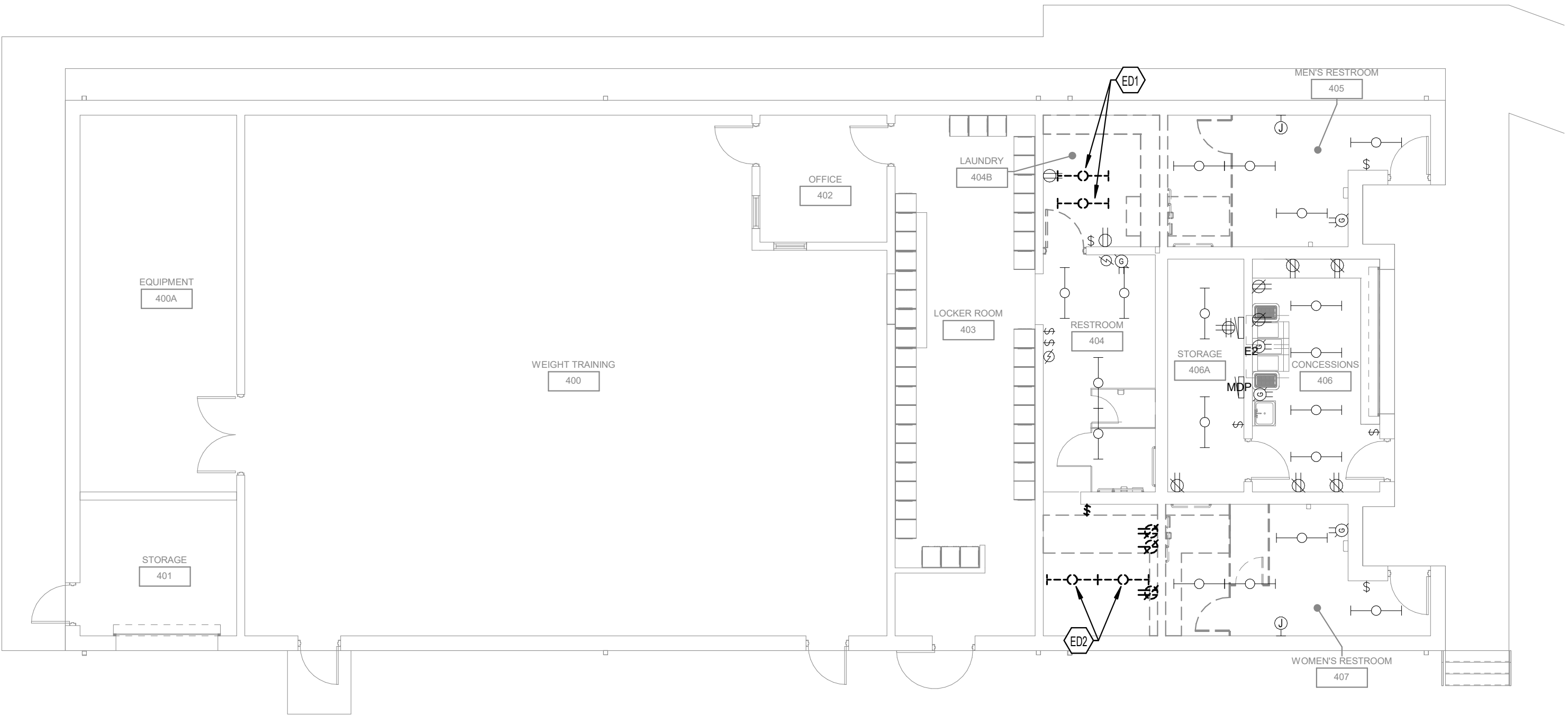
ELECTRICAL GENERAL NOTES

- A EACH CONTRACTOR, PROPOSER, SUPPLIER AND/OR MANUFACTURER SHALL REFER TO ALL DOCUMENTS PERTAINING TO THIS PROJECT AND COORDINATE ACCORDINGLY SO AS TO ENSURE ADEQUACY OF FIT, COMPLIANCE WITH SPECIFICATIONS, PROPER VOLTAGE AND CURRENT CHARACTERISTICS TO AVOID CONFLICT WITH ANY OTHER BUILDINGS SYSTEMS. VERIFY SAME WITH SHOP DRAWINGS.
- B ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
- C WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES. INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.
- D CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY THE CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- E ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- F INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON. IF IN DOUBT, CONTACT THE ENGINEER.
- G ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE, TO ALLOW CLARIFICATION BY WRITTEN ADDENDUM.
- H WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
- I DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
- J OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.).
- K MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UON. MOUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UON.
- L INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
- M DO NOT RECESS PANELBOARD TUBS OR OTHER FLUSH-MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
- N THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- O ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
- P ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS LONGER WARRANTY PERIODS FOR EQUIPMENT ARE SPECIFIED.
- Q UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE PRIMED AND FINISHED SO AS TO COMPLEMENT ADJACENT SURFACE, UNLESS OTHERWISE NOTED. COORDINATE WORK AND COLORS WITH ARCHITECT.
- R WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE ROOFING WARRANTY OR INTEGRITY IN ANYWAY. COORDINATE ALL SUCH PENETRATIONS WITH THE ROOFING MANUFACTURER AND ARCHITECT.
- S THE CONTRACTOR IS RESPONSIBLE FOR ALL UTILITY COMPANY FEES, CASH CONTRIBUTIONS OR OTHER COSTS THAT THE UTILITY COMPANY MAY REQUIRE TO COMPLETE THEIR WORK. (ELECTRIC, TELEPHONE, TELEVISION, DATA, ETC.).
- T COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- U CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'x2' CEILING TILE AND INSTALLED CENTERED ON 2' DIMENSION OF 2'x4' TILE AND ON CENTERLINE OR A QUARTER POINT ON 4' DIMENSION.
- V ANY VIBRATING, OSCILLATING OR OTHER NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPLACED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF A PARTICULAR INSTALLATION'S ACCEPTABILITY SHALL BE THAT OF THE ENGINEER.
- W CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.
- X PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT.
- Y DEVIATIONS IN SIZES, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT FROM THAT PRIME SPECIFIED SHALL BE THE RESPONSIBILITY OF THE PURCHASER OF THAT EQUIPMENT. ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- Z THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION, APPEARANCE, SCHEDULING AND TIMELINESS OF THE WORK OF ALL TRADES, CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR UNTIMELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- AA WHERE MOUNTING HEIGHTS ARE NOT INDICATED OR ARE IN CONFLICT WITH ANY OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- AB WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL-LISTED FIRE-RATED GYPSUM BOARD OR PRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN OR ON CEILING, AS REQUIRED TO MAINTAIN CEILING RATINGS.
- AC COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY INSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- AD ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITER'S LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
- AE ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTI-PAIR, SHALL BE INSTALLED CONTINUOUS INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
- AF NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OF EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
- AG ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS, STANDARD AND SAFETY REQUIREMENTS. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- AH ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE, IN WRITING.
- AI WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- AJ REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO ROUGH IN.
- AK FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGHING-IN ANY WORK.
- AL AS APPLICABLE, REFER TO ARCHITECTURAL PHASING PLANS AND PHASING BOUNDARIES ON THESE DRAWINGS FOR SEQUENCING OF WORK, FULL EXTENT OF AREAS INVOLVED, EXTENT OF CEILING WORK, ETC. PROVIDE TEMPORARY CONNECTIONS FOR CIRCUITS AND WORK AS REQUIRED TO MAINTAIN SEQUENCE OF THE WORK FROM PHASE TO PHASE.
- AM THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.
- AN ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
- AO INTERRUPTION OF ANY EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER, GENERAL CONTRACTOR, UTILITY COMPANY AS NECESSARY, AND THE ARCHITECT, AT LEAST TWO WEEKS IN ADVANCE OF ANTICIPATED INTERRUPTION. A SCHEDULE FOR THESE OUTAGES SHALL BE DEVELOPED AND AGREED UPON BETWEEN THE PARTIES MENTIONED TO AVOID UNNECESSARY INCONVENIENCE TO THE OWNER OR ANY AFFECTED PARTY. NOTIFY THE UTILITY COMPANY OF ANY ANTICIPATED SERVICES REQUIRED TWO WEEKS IN ADVANCE, IN WRITING. IF UTILITY COMPANY REQUIRES A LONGER NOTIFICATION PERIOD, SO PROVIDE.
- AP WHERE BACKBOXES ARE LOCATED IN THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.
- AQ JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
- AR ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
- AS DO NOT SCALE FROM DRAWINGS, AS PRINTING DISTORTS SCALE. WORK SHALL BE LAID OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
- AT NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.
- AU ALL ITEMS HAVING KEVED LOCKS/OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYING SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- AV REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.

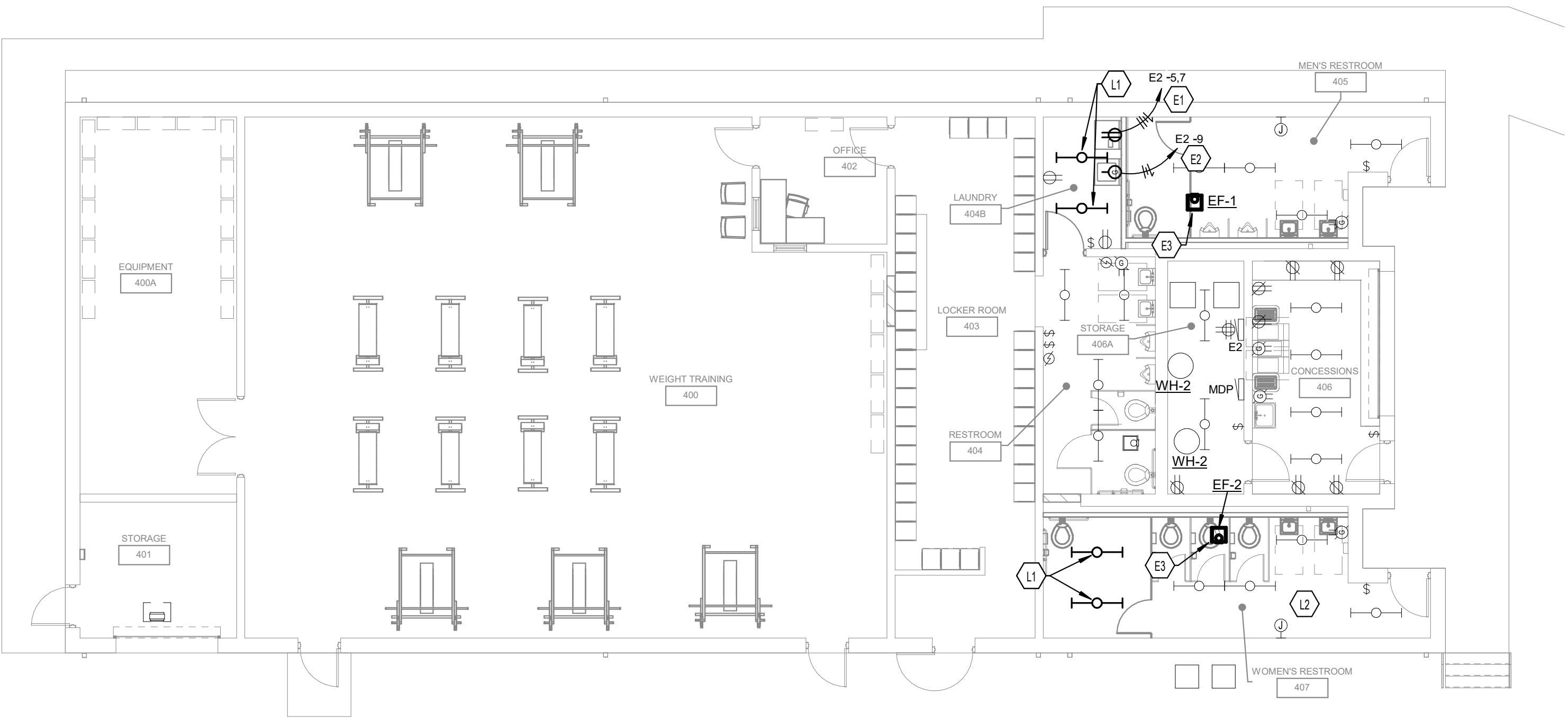
ELECTRICAL DEMOLITION NOTES

- A DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND SOLID HALFTONE LINES INDICATE EXISTING ITEMS TO REMAIN.
- B THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- C LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- D REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- E COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- F COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- G PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
- H CONTRACTOR SHALL PATCH AND REPAIR ALL EXISTING WALLS / CEILINGS AS REQUIRED WHERE DEVICES ARE BEING REMOVED OR INSTALLED.
- I UNUSED/ABANDONED CONDUCTORS DISCOVERED ABOVE ACCESSIBLE CEILINGS SHALL BE REMOVED IN ACCORDANCE WITH NEC REQUIREMENTS.
- J EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- K CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- L DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLE TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED DEVICES.
- M ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPE-WRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.
- N CONTRACTOR TO VERIFY THAT THERE ARE NO ELECTRICAL CIRCUITS IN CHASES BEING REMOVED UNDER DEMOLITION WHICH REMAIN IN SERVICE AND CANNOT BE REMOVED. SHOULD SUCH CIRCUITS BE ENCOUNTERED, THE CONTRACTOR IS TO REROUTE AND RECONNECT AS REQUIRED TO MAINTAIN SERVICE.

EXISTING PANELBOARD AND WIRING...														
PANEL: E2				MAINS TYPE: MCB				PANEL INTERRUPTING RATING: EXISTING PANEL						
VOLTAGE: —				SPD:				LOCATION: Space 3						
AMPERES: 225 A				MOUNTING: SURFACE				SUPPLY FROM:						
NOTES	CIRCUIT DESCRIPTION	HOT, NEUT, GND	OCB	P	CKT	A	B	C	CKT	P	OCB	HOT, NEUT, GND	CIRCUIT DESCRIPTION	NOTES
	GARAGE HEAT	--	30	2	1	0.0	0.0		4	2	30	--	GARAGE HEAT	
	DRYER	2-#10, 1-#10, 1-#10	30	2	5	0.2	0.0		6	1	20	--	HAND DRYER WOMEN	
	WASHING MACHINE	1-#12, 1-#12, 1-#12	20	1	9	0.2	0.0		8	1	20	--	HAND DRYER WOMEN	
	HAND DRYER MEN	--	20	1	11		0.0	0.0	10	1	20	--	GARAGE ROOM OUTLETS	
	HAND DRYER MEN	--	20	1	13	0.0	0.0		12	1	20	--	GARAGE ROOM OUTLETS	
	UNKNOWN	--	20	1	15		0.0	0.0	14	1	20	--	WEIGHT ROOM OUTLET	
	UNKNOWN	--	20	1	17	0.0	0.0		16	1	20	--	WEIGHT ROOM OUTLET	
	UNKNOWN	--	20	1	19		0.0	0.0	18	1	20	--	WEIGHT ROOM OUTLET	
	CONCESSION OUTLET	--	20	1	21	0.0	0.0		20	1	20	--	WEIGHT ROOM OUTLET	
	CONCESSION OUTLET	--	20	1	23		0.0	0.0	22	1	20	--	WEIGHT ROOM OUTLET	
	CONCESSION OUTLET	--	20	1	25	0.0	0.0		24	1	20	--	WEIGHT ROOM OUTLET	
	CONCESSION OUTLET	--	20	1	27		0.0	0.0	26	1	20	--	PUBLIC RESTROOM & OUTSIDE	
	SHOWER ROOM HAND DRYER	--	20	1	29	0.0	0.0		28	1	20	--	SHOWER ROOM HAND DRYER	
	WEIGHT ROOM LIGHTS	--	20	1	31		0.0	0.0	30	1	20	--	UNKNOWN	
	WEIGHT ROOM LIGHTS	--	20	1	33	0.0	0.0		32	1	20	--	UNKNOWN	
	OUTSIDE LIGHTING	--	20	1	35		0.0	0.0	34	1	20	--	WEIGHT ROOM LIGHTS	
	SHOWER ROOM LIGHTS	--	20	1	37		0.0	0.0	36	1	20	--	WEIGHT ROOM LIGHTS	
	GARAGE ROOM LIGHTS	--	20	1	39	0.0	0.0		38	1	20	--	UNKNOWN	
	CONCESSION LIGHTS	--	20	1	41	0.0	0.0		40	1	20	--	UNKNOWN	
						0.4 kVA	0.2 kVA		0.0 kVA					
						3 A	2 A		0 A					
LOAD CLASSIFICATION		CONNECTED LOAD		DEMAND FACTOR		ESTIMATED DEMAND		PANEL TOTALS						
EQUIP		200 VA		100.00%		200 VA		TOTAL CONNECTED LOAD: 560 VA						
REC		360 VA		100.00%		360 VA		TOTAL ESTIMATED DEMAND: 560 VA						
								TOTAL CONNECTED CURRENT: 2 A						
								TOTAL ESTIMATED DEMAND CURRENT: 2 A						
								25 % ADDITIONAL CAPACITY: 1 A						
								TOTAL PANEL CURRENT: 3 A						
NOTES: WHERE NOT LISTED, WIRE AND CONDUIT SHALL BE BE MINIMUM PER SPECIFICATIONS. SPARE BREAKERS TO BE 20A/1P.														



1 FIRST FLOOR ELECTRICAL - DEMOLITION
1/8" = 1'-0"



2 FIRST FLOOR ELECTRICAL PLAN - NEW WORK
1/8" = 1'-0"

TAGGED NOTES

- E1 DEDICATED DRYER ELECTRICAL CONNECTION. WIRE TO EXISTING 30A SPARE IN PANEL E2. SEE PANEL SCHEDULE ON SHEET E2.0 FOR ADDITIONAL INFORMATION.
- E2 DEDICATED WASHING MACHINE ELECTRICAL CONNECTION. WIRE TO EXISTING 20A SPARE IN PANEL E2. SEE PANEL SCHEDULE ON SHEET E2.0 FOR ADDITIONAL INFORMATION.
- E3 ONE FOR ONE REPLACEMENT OF EXHAUST FAN IN THIS LOCATION. PROVIDE FINAL TERMINATIONS FOR NEW DEVICE.
- E4 DISMOUNT AND PROTECT SURFACE MOUNTED STRIP FIXTURES FOR FUTURE USE IN THE NEW CONSTRUCTION PHASE OF THIS SPACE. PRESERVE EXISTING ELECTRICAL CONNECTION FOR LIGHTING. EXTEND WIRE AS NECESSARY.
- E5 DISMOUNT AND PROTECT SURFACE MOUNTED STRIP FIXTURES FOR FUTURE USE IN THE NEW CONSTRUCTION PHASE OF THIS SPACE. DEMOLISH EXISTING ELECTRICAL CONNECTION TO THESE FIXTURES. EXTEND WIRE AS NECESSARY.
- E6 MOUNT EXISTING STRIP FIXTURES IN NEW LOCATION AS SHOWN ON DRAWINGS.
- E7 EXTEND EXISTING ELECTRICAL LIGHTING CONNECTION TO ADDITIONAL STRIP FIXTURES IN THE NEW CONSTRUCTION PHASE OF THIS SPACE SO THAT THEY MAY BE CONTROLLED WITH EXISTING LIGHTING CONTROLS.

ELECTRICAL LIGHTING NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- E LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- F LUMINAIRES INDICATED WITH MULTI-LEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- G ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- H RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- I CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

ELECTRICAL POWER NOTES

- A REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING. IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

ELECTRICAL PLANS
FOR:
ESTILL COUNTY SCHOOLS
IRVINE, KENTUCKY

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BG# 22-243
Project No: 2162
Drawn By: A&P
Rev'd By: BRW

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CONSTRUCTION DOCUMENTS

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ELECTRICAL PLANS
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