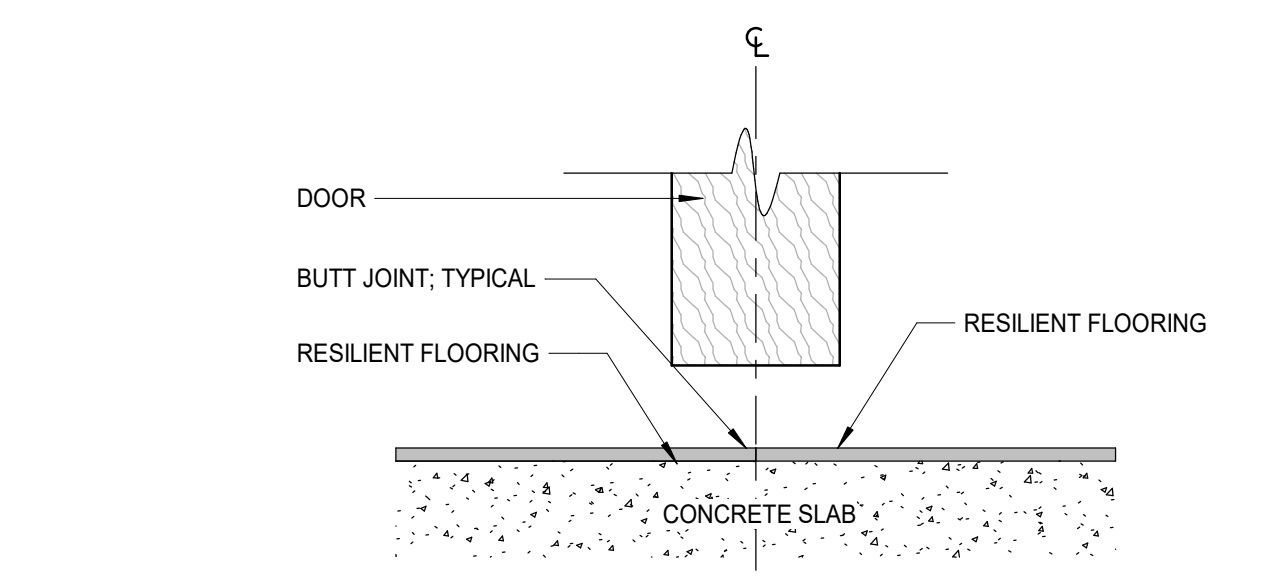
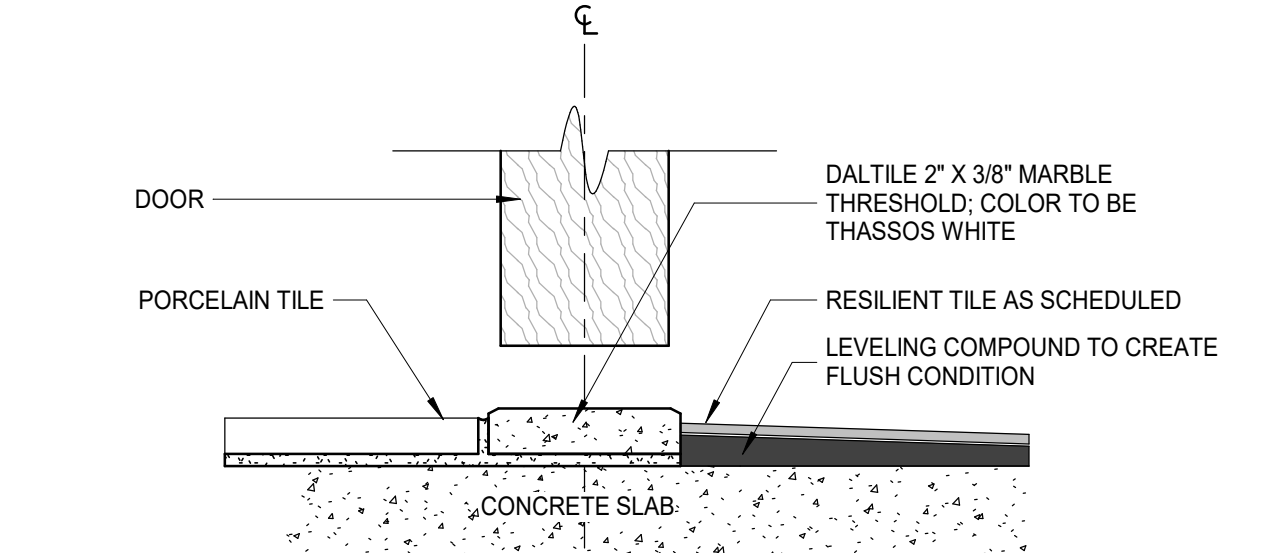


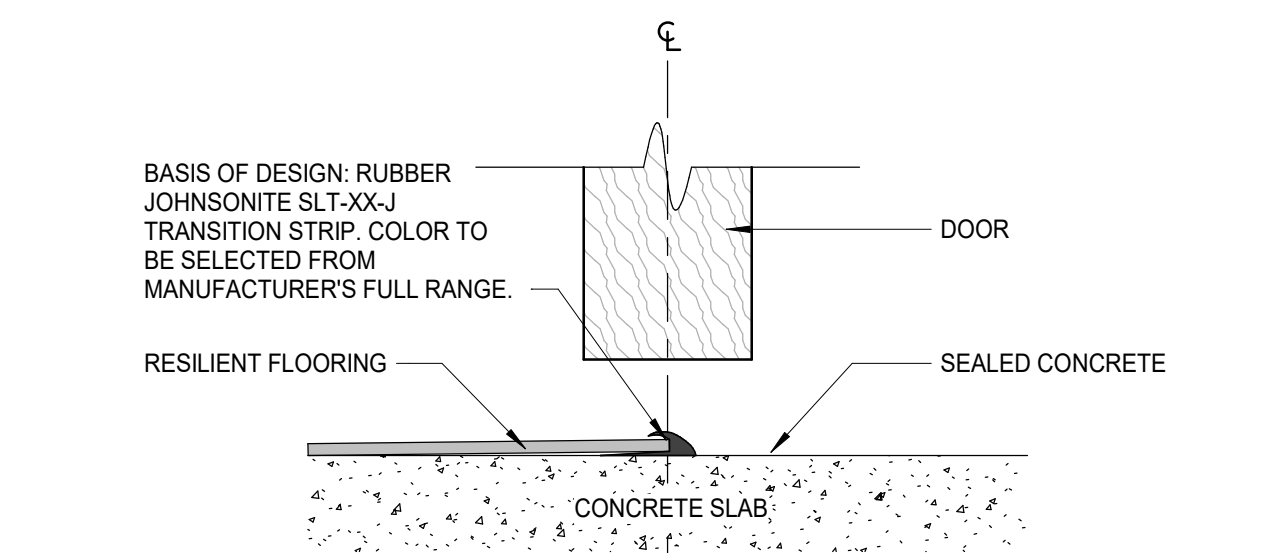
1 WOOD TO RESILIENT
6" = 1'-0"



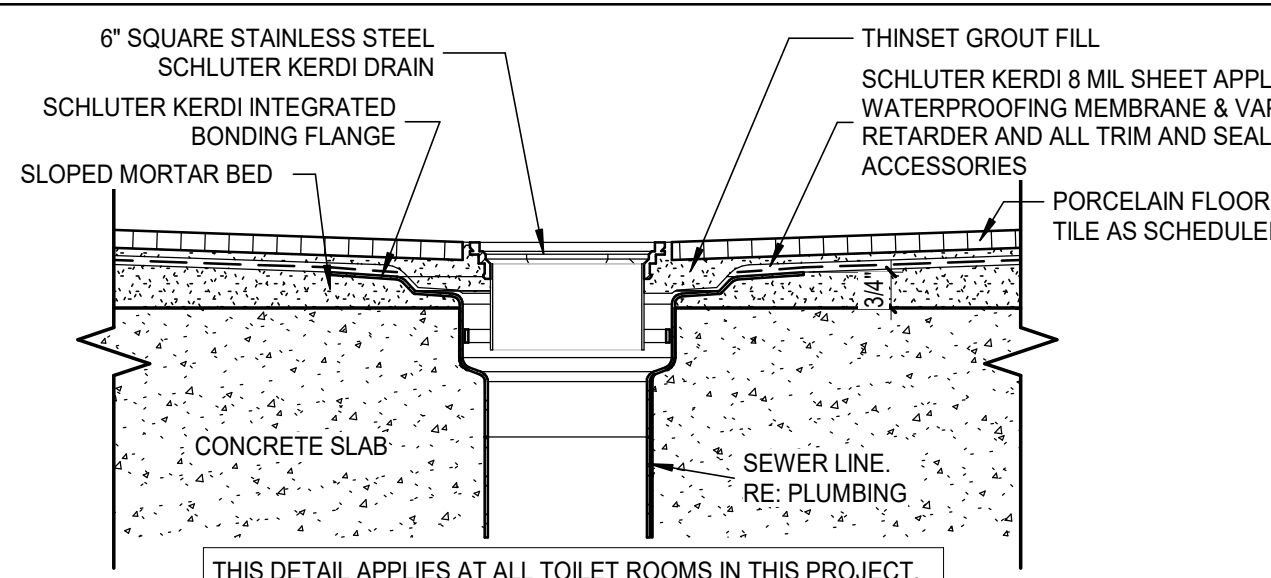
2 RESILIENT TO RESILIENT
6" = 1'-0"



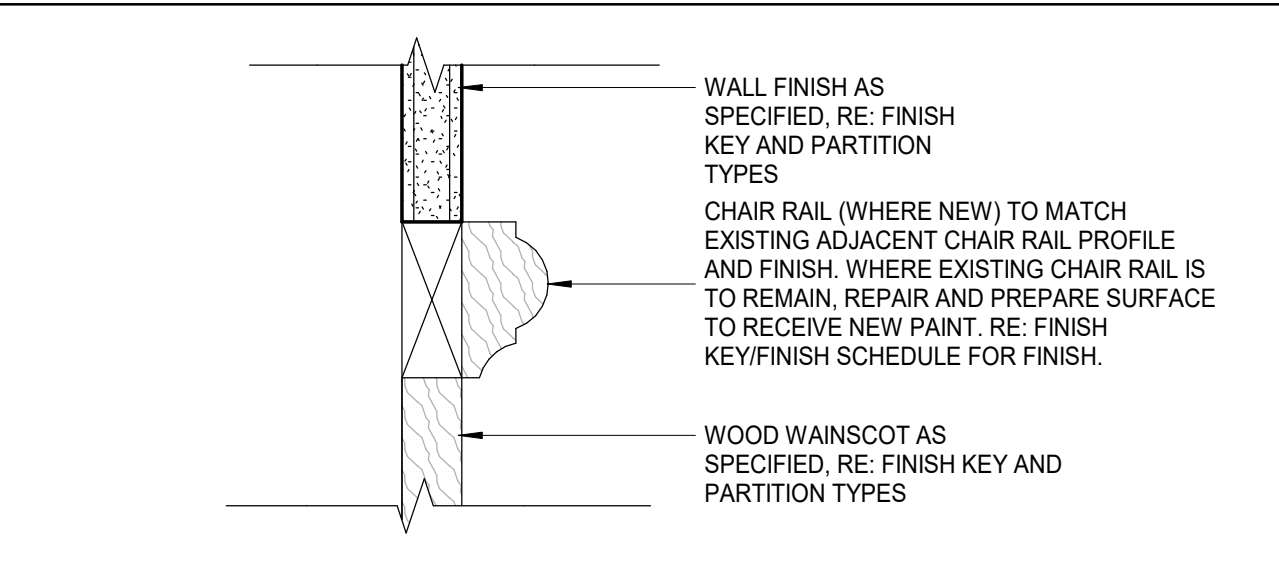
3 TILE TO RESILIENT @ RESTROOM
6" = 1'-0"



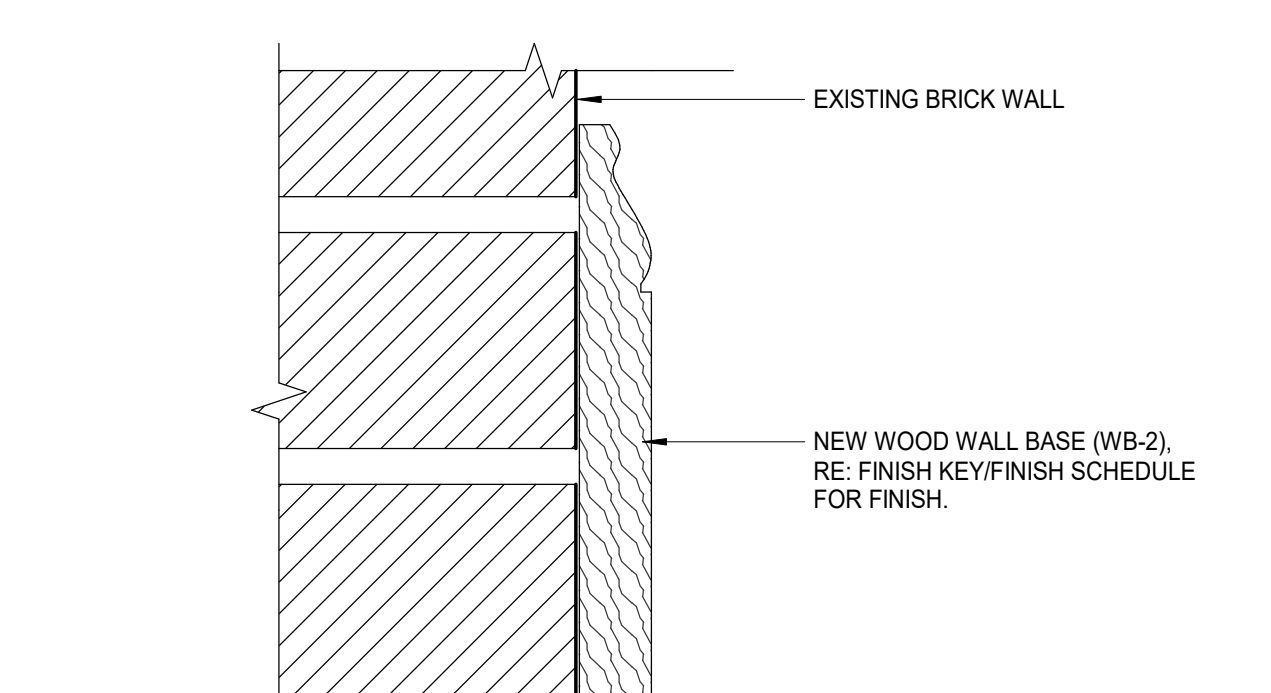
4 RESILIENT TO SEALED CONCRETE
6" = 1'-0"



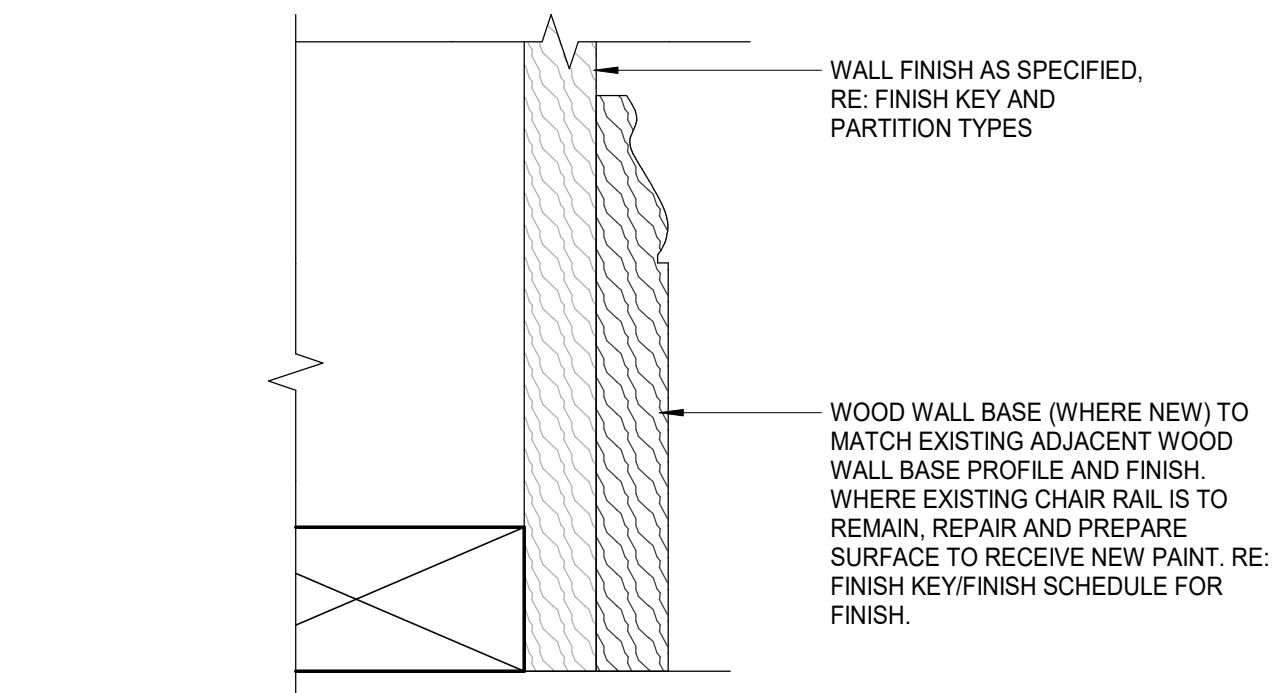
5 DRAIN & WATER PROOFING MEMBRANE
3" = 1'-0"



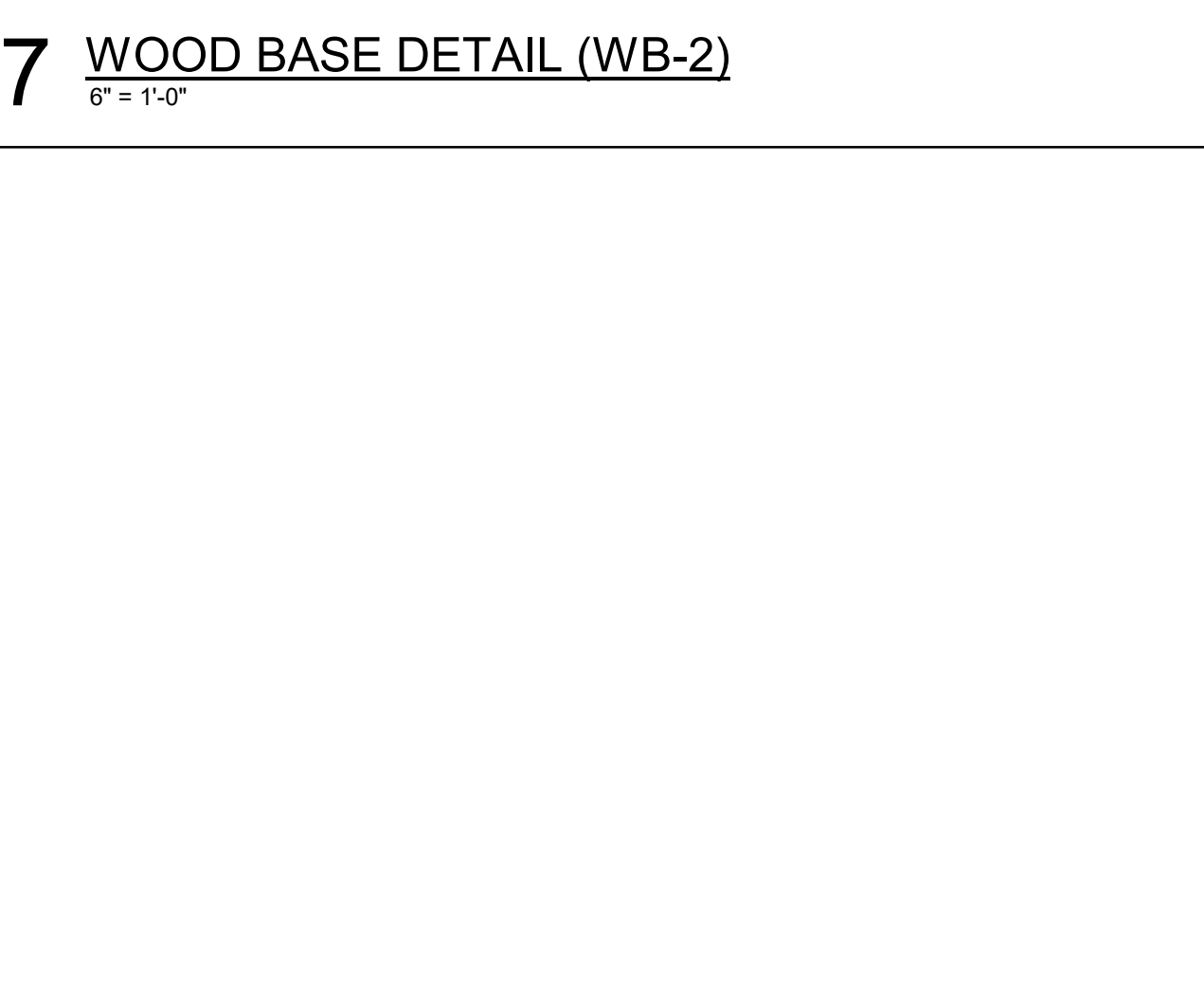
6 BEADBOARD WAINSCOT
6" = 1'-0"



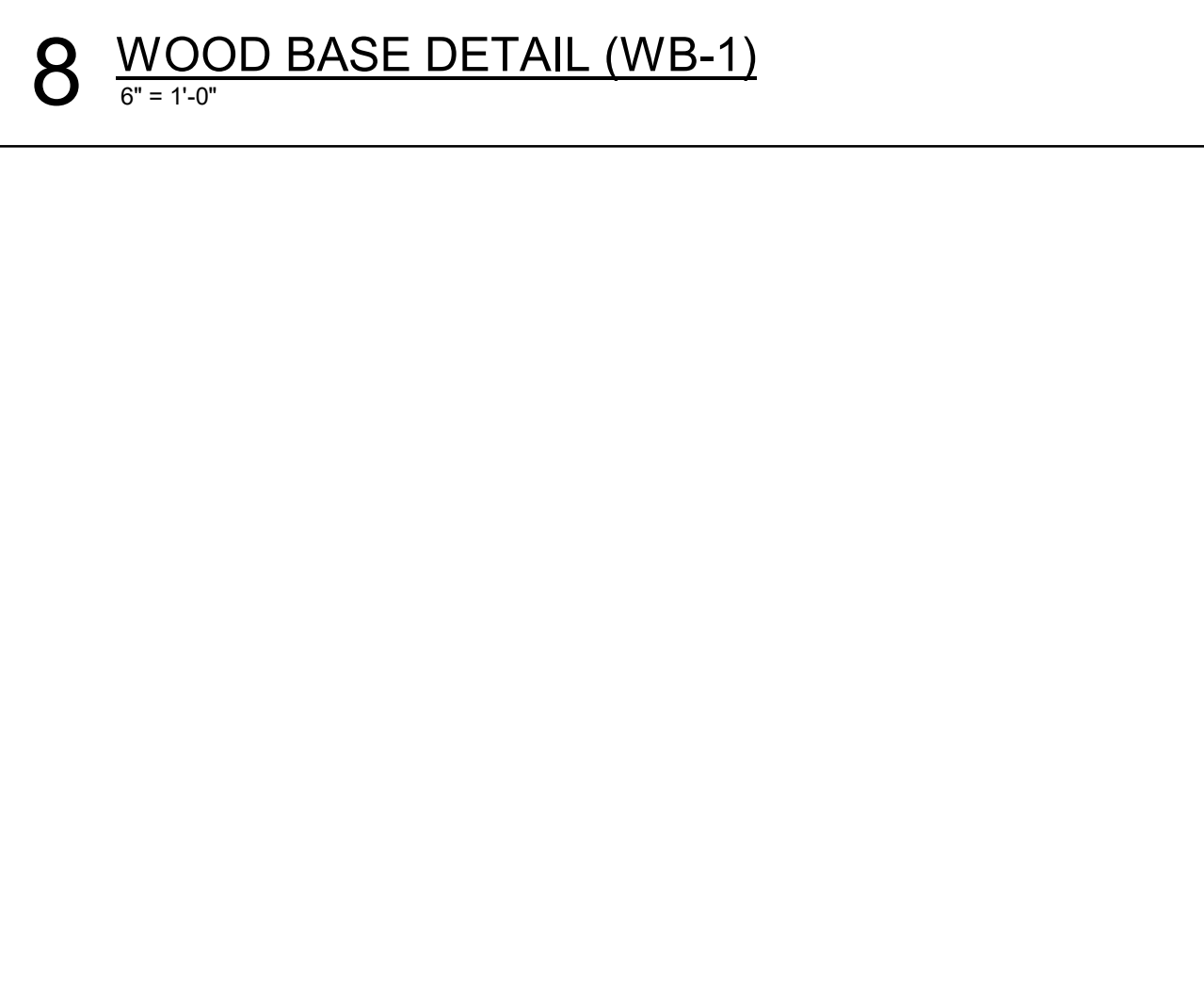
7 WOOD BASE DETAIL (WB-2)
6" = 1'-0"



8 WOOD BASE DETAIL (WB-1)
6" = 1'-0"



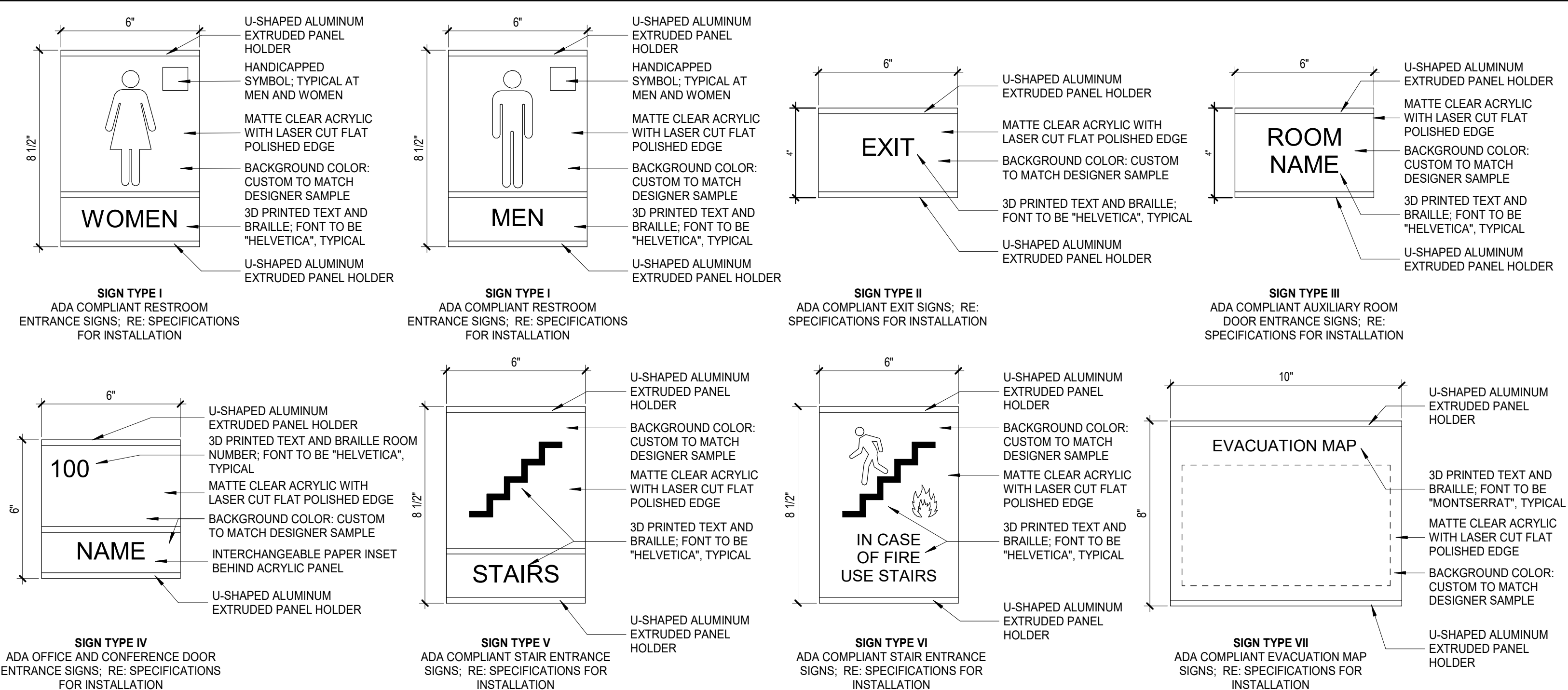
7 WOOD BASE DETAIL (WB-2)
6" = 1'-0"



8 WOOD BASE DETAIL (WB-1)
6" = 1'-0"

INTERIOR FINISH KEY

MARK	MATERIAL TYPE	MANUFACTURER	IDENTIFICATION	COLOR	SIZE	INSTALLATION	NOTES	CONTACT
ACOUSTICAL CEILING								
AC-1	ACOUSTICAL CEILING	ARMSTRONG	FISSURED 15/16" SQUARE LAY-IN #756	TILE: WHITE GRID: WHITE	24 X 24 X 5/8" EDGE	15/16" PRELUDE GRID		CATHERINE NIPPER 504.220.0227 CMNIPPER@ARMSTRONGCEILINGS.COM
AC-2	CEMENTITIOUS WOOD FIBER ACOUSTICAL CEILING PANEL	ARMSTRONG	TECTUM DIRECT-ATTACH CEILINGS	WHITE (TWH)	2' x 8' TECTUM FINALE PB CEILING PANELS	SEE REFLECTED CEILING PLAN	BEVELED (LONG SIDE) / SQUARE (SHORT SIDE) MOUNTING METHOD D-20	CATHERINE NIPPER 504.220.0227 CMNIPPER@ARMSTRONGCEILINGS.COM
PAINT								
P-1	PAINT	SHERWIN WILLIAMS	SW7551	GREEK VILLA				TODD HAKENJOS TODD.T.HAKENJOS@SHERWIN.COM 504.417.1848
P-3	PAINT	SHERWIN WILLIAMS	SW2849	WESTCHESTER GRAY				TODD HAKENJOS TODD.T.HAKENJOS@SHERWIN.COM 504.417.1848
P-4	PAINT	SHERWIN WILLIAMS	MATCH SCHOOLS PURPLE					TODD HAKENJOS TODD.T.HAKENJOS@SHERWIN.COM 504.417.1848
P-5	PAINT	SHERWIN WILLIAMS	MATCH SCHOOLS YELLOW				EPOXY PAINT	TODD HAKENJOS TODD.T.HAKENJOS@SHERWIN.COM 504.417.1848
TILE								
TL-1	TILE	DALTILE	KEYSTONE SP8303	ARTIC WHITE D617 80%, DEEP PURPLE D044 10%, SUNSHINE D620 10%	2X2" WITH 1X1" PATTERN	LAI D STRAIGHT		ANITA ROWE ANITA.ROWE@DAL TILE.COM 504.919.5609
TL-2	TILE	DALTILE	COLOR WHEEL CLASSIC COVE BASE	0190 ARTIC WHITE S-3419T	4X6"		RESTROOM TILE BASE	ANITA ROWE ANITA.ROWE@DAL TILE.COM 504.919.5609
WOOD BASE								
WB-1	WOOD BASE	CUSTOM MILLWORK	PAINT GRADE POPLAR	P-3		RE: DETAIL		
WB-2	WOOD BASE	CUSTOM MILLWORK	PAINT GRADE POPLAR	STAIN TO MATCH ADJACENT WOOD FLOOR		RE: DETAIL		
VINYL COMPOSITION TILE								
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	IMPERIAL TEXTURE	51861 SOFT WARM GRAY	12X12"			CHRISTY REED CHRISTY.REED@AHFPRODUCTS.COM 214.629.4572
VCT-2	VINYL COMPOSITION TILE	ARMSTRONG	IMPERIAL TEXTURE	57533 TIGER EYES	12X12"			CHRISTY REED CHRISTY.REED@AHFPRODUCTS.COM 214.629.4572
WOOD								
WD-1	SOLID WOOD PLANK	CUSTOM	CUSTOM	STAIN TO BE SELECTED BY DESIGNER BY MANUFACTURER'S RANGE	2 3/8" WIDE X 3/4" THICK	REFER TO DETAIL	SPECIES TO MATCH EXISTING	
WD-2	SOLID WOOD PLANK	CUSTOM	CUSTOM	HIGH GLOSS STAIN TO BE SELECTED BY DESIGNER BY MANUFACTURER'S RANGE	2 3/8" WIDE X 3/4" THICK	REFER TO DETAIL	SPECIES TO MATCH EXISTING	
SEALED CONCRETE								
SC-1	SEALED CONCRETE			CLEAR				
PLASTIC LAMINATE								
PL-1	PLASTIC LAMINATE	FORMICA	STANDARD LAMINATE	MILK MATTE TEXTURE 9634-58				ANNA JORDAN ANNA.JORDAN@FORMICA.COM 346.206.3246
MISCELLANEOUS								
M-1	SOLID PLASTIC TOILET PARTITION	ASI ACCURATE PARTITIONS	FLOOR ANCHORED/ OVERHEAD BRACED	CUSTOM COLOR TO MATCH SCHOOL PURPLE				STEVE FOREE STEVE@SBSASSOC.COM 901.483.6259
M-2	SOLID PLASTIC URINAL PARTITION	ASI ACCURATE PARTITIONS		CUSTOM COLOR TO MATCH SCHOOL'S PURPLE				STEVE FOREE STEVE@SBSASSOC.COM 901.483.6259
M-3	RUBBER STAIR TREAD	TARKETT IJOHNSONITE	RAISED ROUND	28 MEDIUM GRAY				ALEXIS MIRANNE ALEXIS.MIRANNE@TARKETT.COM 504.330.9228
M-4	CORKBOARD							
M-5	MARKER BOARD							
STAIN								
S-1	WOOD STAIN	SHERWIN WILLIAMS		STAIN TO BE SELECTED BY DESIGNER BY MANUFACTURER'S RANGE				



9 SIGNAGE
3" = 1'-0"



GRACE HERBERT CURTIS ARCHITECTS, APAC
SEAL: GERALD DAVID HERBERT, REG. NO. 4178, STATE OF LOUISIANA, REGISTERED ARCHITECT

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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

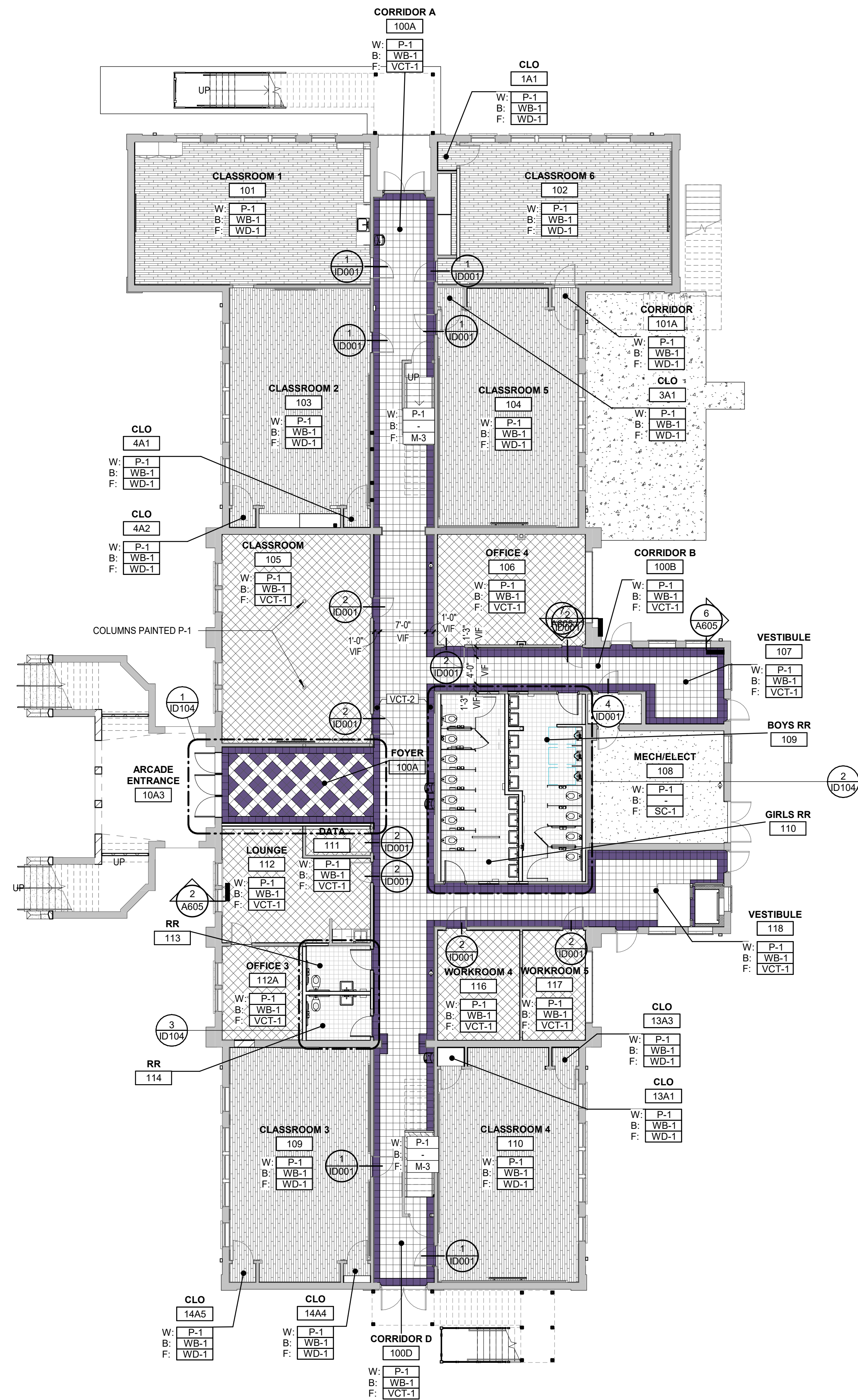
DATE: 08/23/2024
PHASE: BID DOCUMENTS
ISSUED FOR:
PROJECT NO.: 3221105

FINISH KEY AND FINISH TRANSITION DETAILS

sheet number

ID001

1 FINISH PLAN - FIRST FLOOR
3/32" = 1'-0"

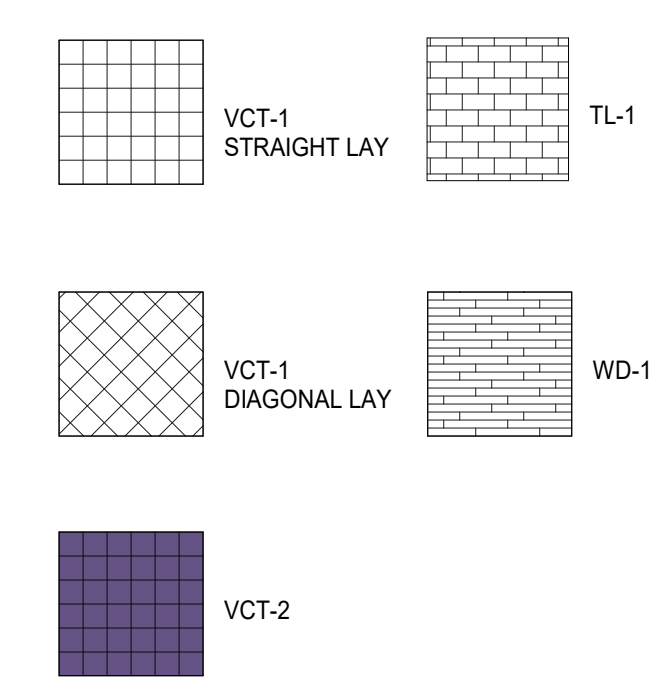


INTERIOR GENERAL FINISH NOTES

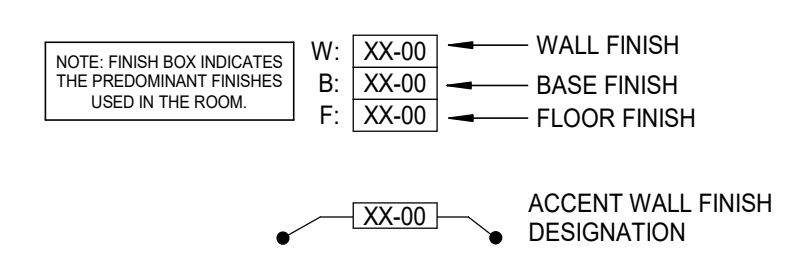
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- MITER INSIDE AND OUTSIDE CORNERS OF BASE AT ALL LOCATIONS. WOOD BASE AT HOLLOW METAL FRAMES TO BE "ANGLED BACK".
- UNLESS NOTED OTHERWISE, PROVIDE ADA METAL SCHLUTER TRANSITION STRIPS AT ALL CHANGES IN FLOORING MATERIALS. ALL TRANSITION STRIPS TO HAVE THE LOWEST PROFILE POSSIBLE. CONTRACTOR TO COORDINATE SIZE WITH ADJACENT MATERIAL THICKNESS.
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 - GYPSUM BOARD CEILINGS AND SOFFITS: FLAT
 - ALL OTHER PAINTED SURFACES: SATIN
 - GYPSUM BOARD WALLS AND CEILINGS IN ALL WET LOCATIONS (I.E. RESTROOMS, KITCHENS, SERVICE ROOMS, ETC.): EPOXY SEMI-GLOSS
 - ALL WOOD TRIM AND MILLWORK: SEMI-GLOSS FINISH
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 - FLOOR BASE TO DOOR FRAME
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INTERIOR FINISH LEGEND

FLOOR FINISH LEGEND



INTERIOR SYMBOL LEGEND



GRACE HERBERT CURTIS ARCHITECTS, APAC



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE: 08/23/2024
PHASE: BID DOCUMENTS
ISSUED FOR:
PROJECT NO.: 3221105

NOTE: THIS SHEET IS INTENDED TO BE VIEWED AND PRINTED IN COLOR.

FIRST FLOOR FINISH PLAN

sheet number

ID101



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SECOND FLOOR FINISH PLAN

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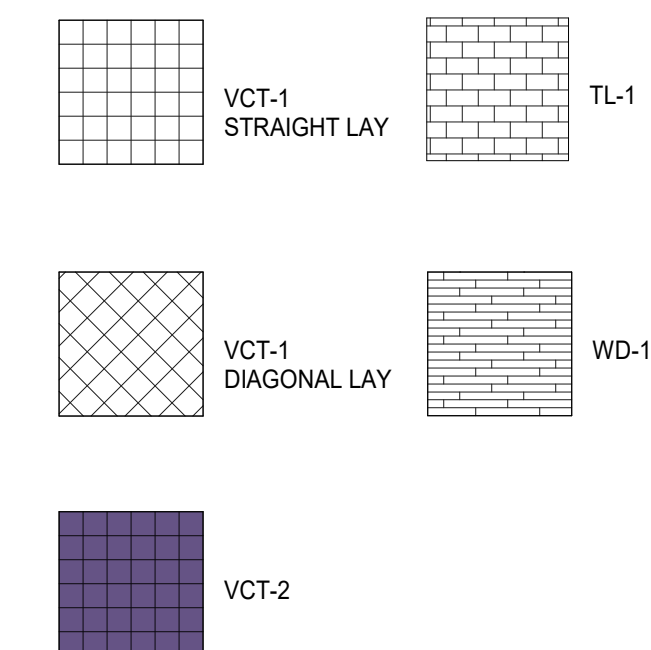
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INTERIOR GENERAL FINISH NOTES

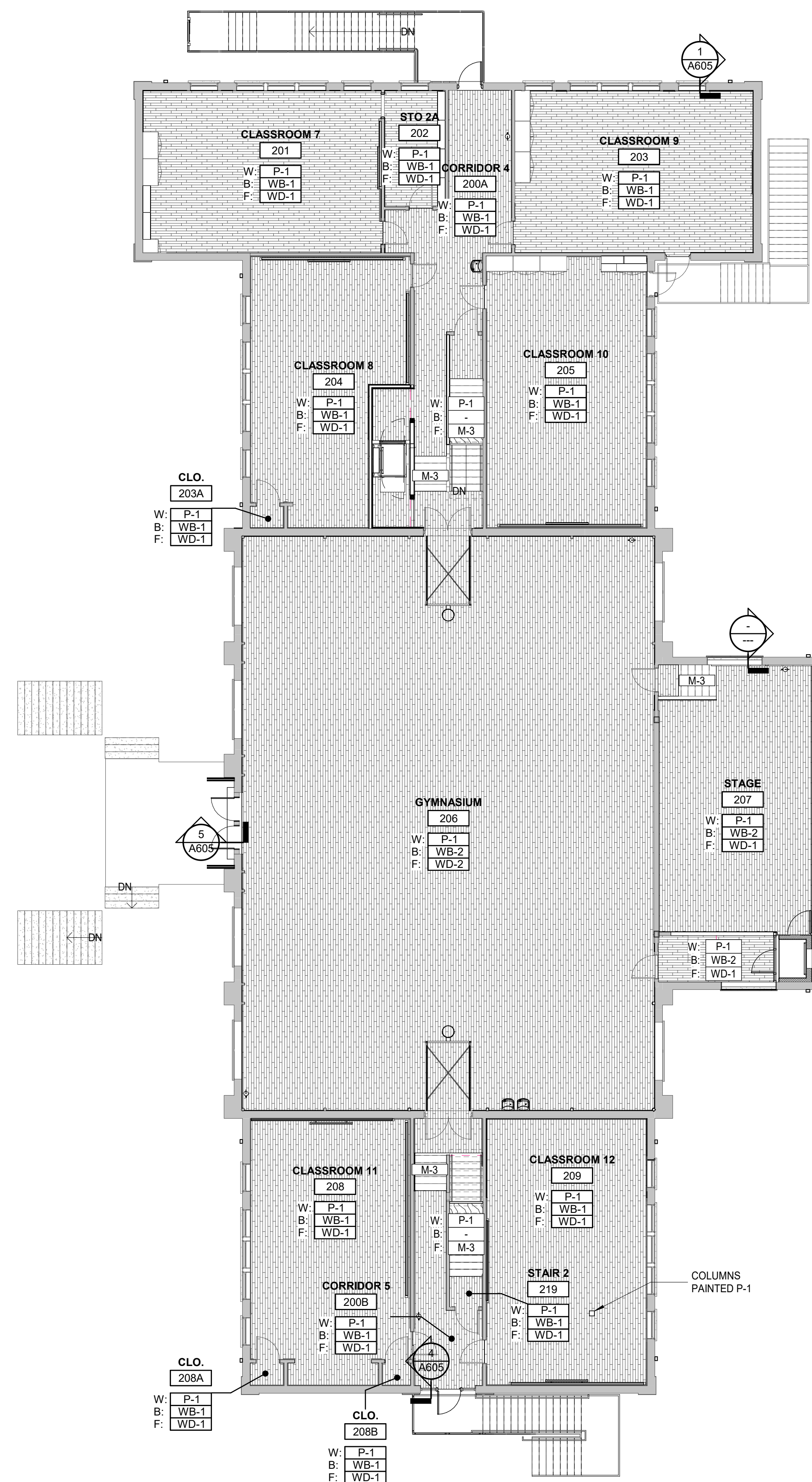
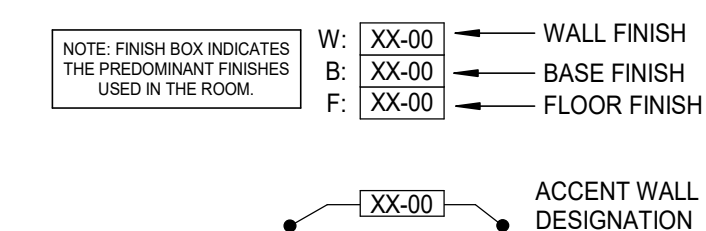
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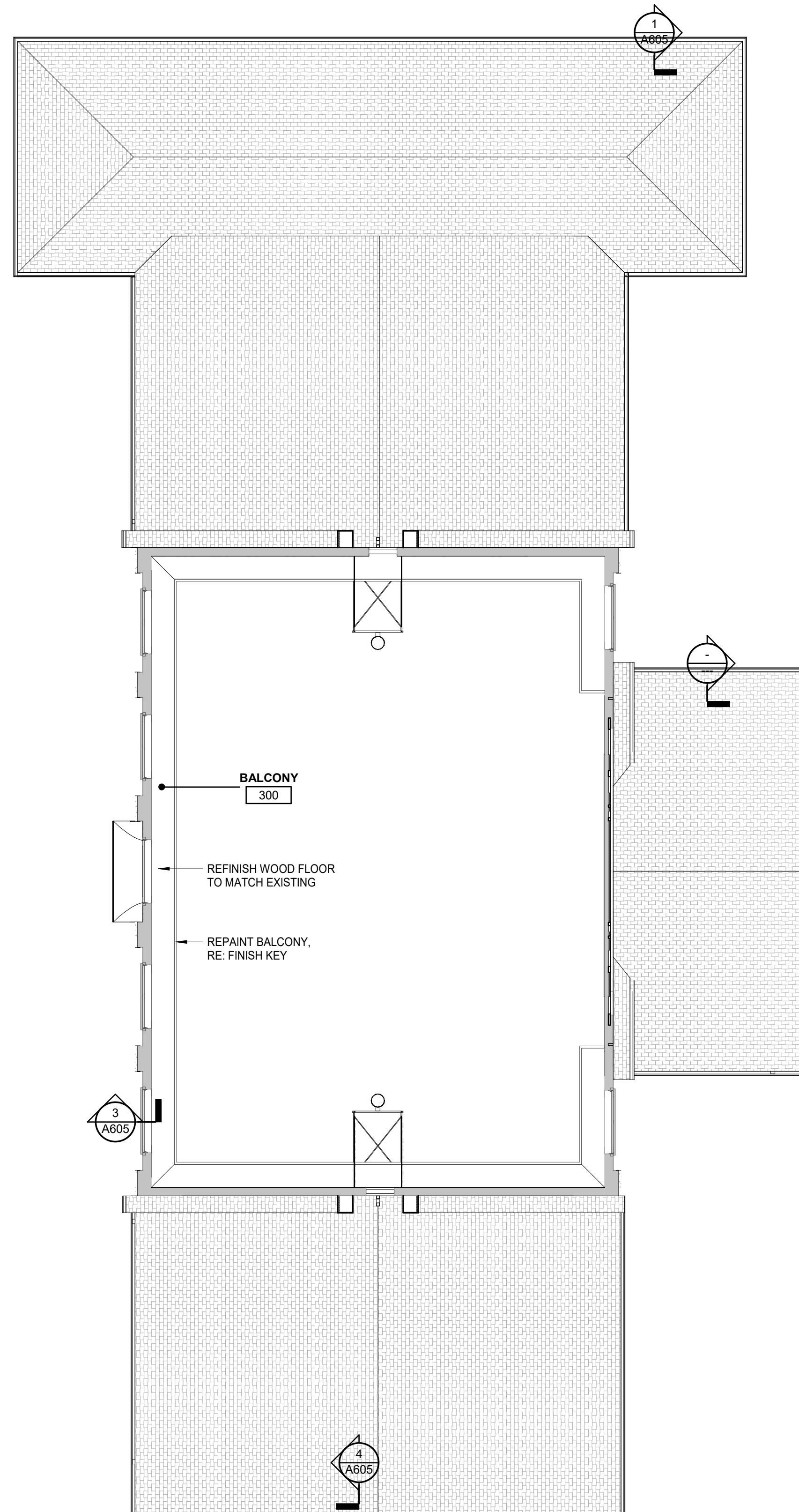
FLOOR FINISH LEGEND



INTERIOR SYMBOL LEGEND



1 FINISH PLAN - SECOND FLOOR
3/32" = 1'-0"



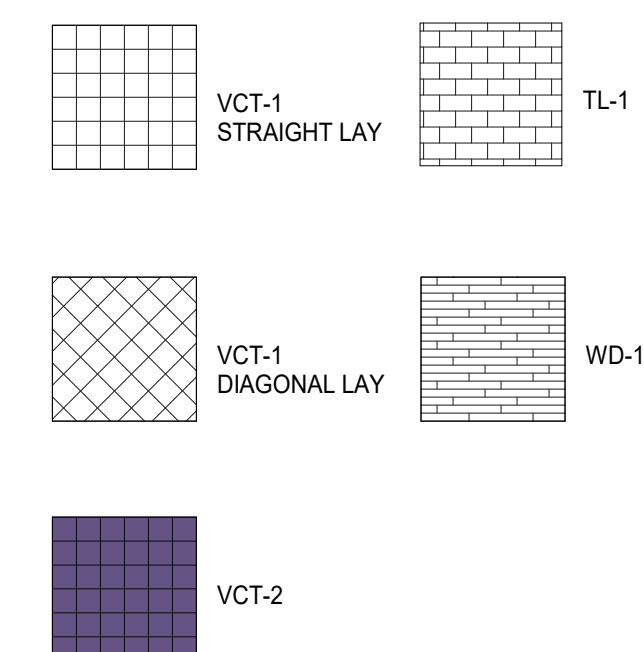
1 FINISH PLAN - BALCONY
3/32" = 1'-0"

INTERIOR GENERAL FINISH NOTES

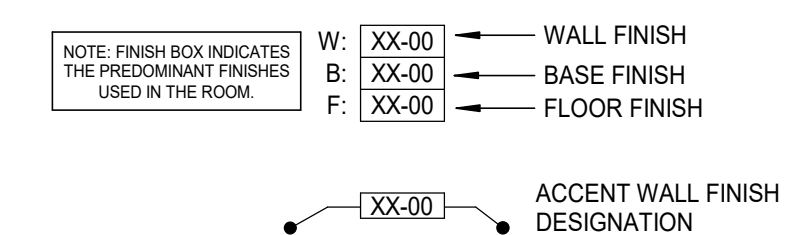
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11. CLOSETS WITHIN A ROOM SHALL RECEIVE THE SAME FLOORING, BASE, AND WALL FINISHES AS THE ADJACENT ROOM, UNLESS OTHERWISE NOTED.
12. SEE ELEVATIONS FOR ADDITIONAL INFORMATION ON EXTENTS AND LIMITS OF WALL FINISHES.
13. INSTALL CEMENTITIOUS BACKER BOARD AT ALL LOCATIONS WITH WALL TILE, TYP.
14. ALL EXPOSED EDGES OF WALL TILE HORIZONTAL AND VERTICAL TO RECEIVE APPROPRIATE SCHLUTER METAL TRIM PROFILE UNLESS OTHERWISE NOTED. FINISH TO BE SELECTED FROM MANUFACTURER'S FULL RANGE.
15. MITER INSIDE AND OUTSIDE CORNERS OF BASE AT ALL LOCATIONS. WOOD BASE AT HOLLOW METAL FRAMES TO BE "ANGLED BACK".
16. UNLESS NOTED OTHERWISE, PROVIDE ADA METAL SCHLUTER TRANSITION STRIPS AT ALL CHANGES IN FLOORING MATERIALS. ALL TRANSITION STRIPS TO HAVE THE LOWEST PROFILE POSSIBLE. CONTRACTOR TO COORDINATE SIZE WITH ADJACENT MATERIAL THICKNESS.
17. FLOAT FLOOR AS REQUIRED TO ACHIEVE A FLUSH TRANSITION AT ALL CHANGES IN MATERIALS WHERE TRANSITION STRIPS ARE NOT NOTED.
18. WHENEVER FLOORING TRANSITION OCCURS AT A DOOR OPENING, LOCATE TRANSITION STRIP AT CENTERLINE OF DOORWAYS OR DOORS WHEN IN THE CLOSED POSITION.
19. REFER TO FINISH KEY AND/OR FINISH PLANS FOR RUN DIRECTION AND INSTALLATION METHOD OF FLOORING. IF RUN DIRECTION AND INSTALLATION METHOD IS NOT NOTED, NOTIFY ARCHITECT PRIOR TO INSTALLATION.
20. ALL FLOORING TO EXTEND BENEATH MILLWORK, KNEE SPACES, AND/OR COUNTERTOPS. TYP. AT ALL LOCATIONS.
21. WHERE A SURFACE IS TO BE PAINTED, PROVIDE THE FOLLOWING FINISHES, UNLESS OTHERWISE NOTED:
 - A. HOLLOW METAL DOORS AND FRAMES: SEMI-GLOSS
 - B. GYPSUM BOARD WALLS: SATIN
 - C. GYPSUM BOARD CEILINGS AND SOFFITS: FLAT
 - D. ALL OTHER PAINTED SURFACES: SATIN
 - E. GYPSUM BOARD WALLS AND CEILINGS IN ALL WET LOCATIONS
 - I.E. RESTROOMS, KITCHENS, SERVICE ROOMS, ETC.: EPOXY SEMI-GLOSS
 - F. ALL WOOD TRIM AND MILLWORK: SEMI-GLOSS FINISH
22. PROVIDE MATCHING CAULK AT THE FOLLOWING AREAS:
 - A. DOOR FRAMES TO WALL, CEILING, AND FLOOR
 - B. PLUMBING FIXTURES TO WALL AND FLOOR
 - C. FLOOR BASE TO DOOR FRAME
 - D. CABINETS, COUNTERTOPS AND/OR BACKSPLASH TO WALL
23. COORDINATE ALL ELEVATOR CAB FINISHES AND SELECTIONS WITH ARCHITECT PRIOR TO ORDERING.
24. ALL FLOOR AND WALL FINISH JOINT/GROUT LINES TO ALIGN AT ALL LOCATIONS WHERE POSSIBLE UNLESS NOTED OTHERWISE.
25. COORDINATE FLOORING INSTALLATION WITH EQUIPMENT (FLOOR TRACKS, FLOOR TRENCHES, ETC.)
26. TILES THAT HAVE REPEATED "FACE" PATTERNS / DESIGNS SHALL BE INSTALLED SO THAT NO TWO REPEATED FACES ARE INSTALLED ADJACENT TO ONE ANOTHER.
27. REMOVE PAINT OR TRANSPARENT FINISHES DOWN TO THE WOOD FOR ALL WOOD ITEMS TO BE RE-PAINTED, TO INCLUDE DOORS, CASING, TRIM, WALL BASE, MILLWORK, AND ANY OTHER WOOD ITEM INTENDED FOR RE-PAINTING.

INTERIOR FINISH LEGEND

FLOOR FINISH LEGEND



INTERIOR SYMBOL LEGEND



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE: 08/23/2024
PHASE: BID DOCUMENTS
ISSUED FOR:
PROJECT NO.: 3221105

NOTE: THIS SHEET IS INTENDED TO BE VIEWED AND PRINTED IN COLOR.

BALCONY FINISH PLAN

sheet number

ID103



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

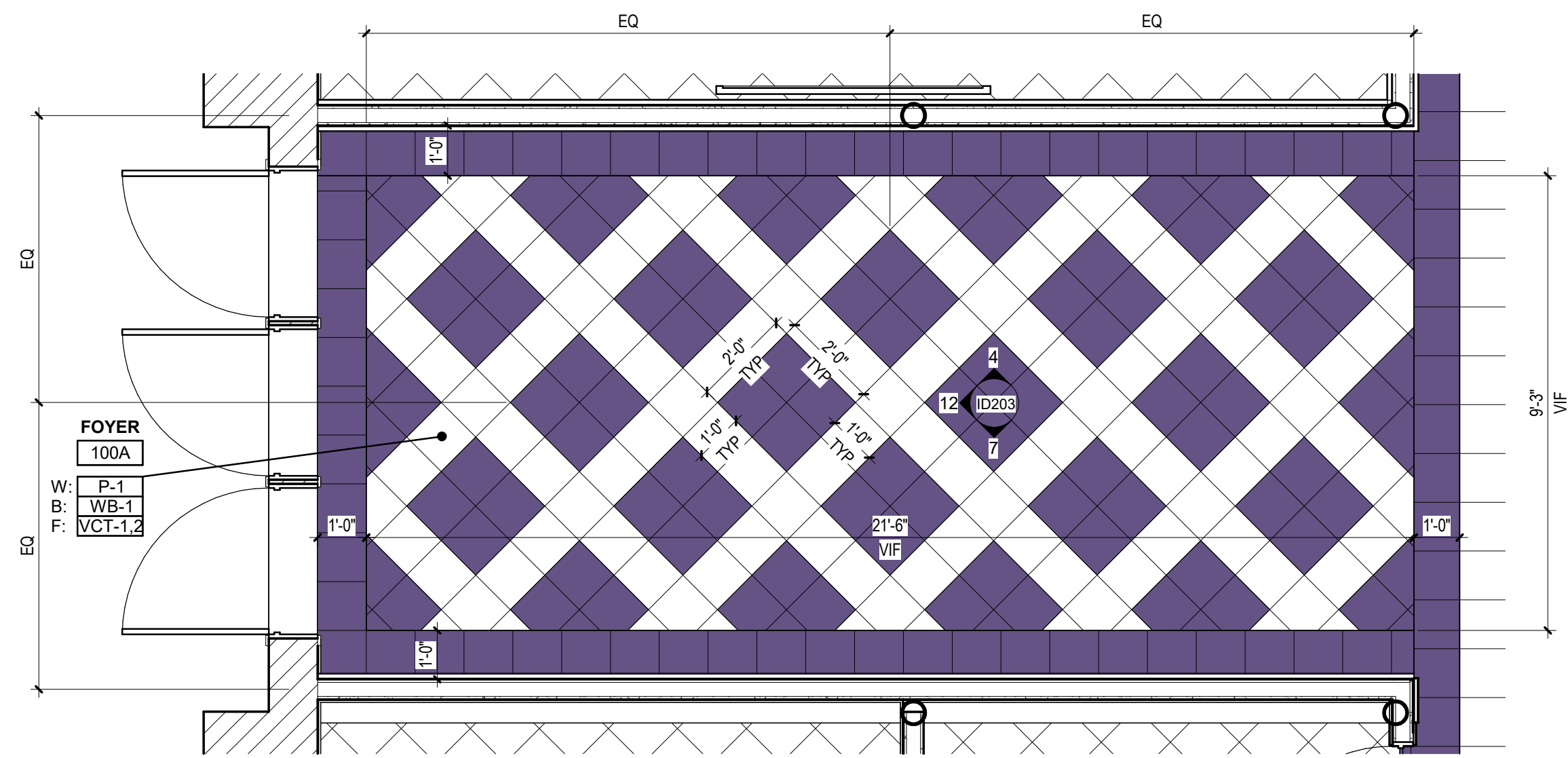
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 PHASE: BID DOCUMENTS
 ISSUED FOR:
 PROJECT NO.: 3221105

NOTE: THIS SHEET IS INTENDED TO BE VIEWED AND PRINTED IN COLOR.

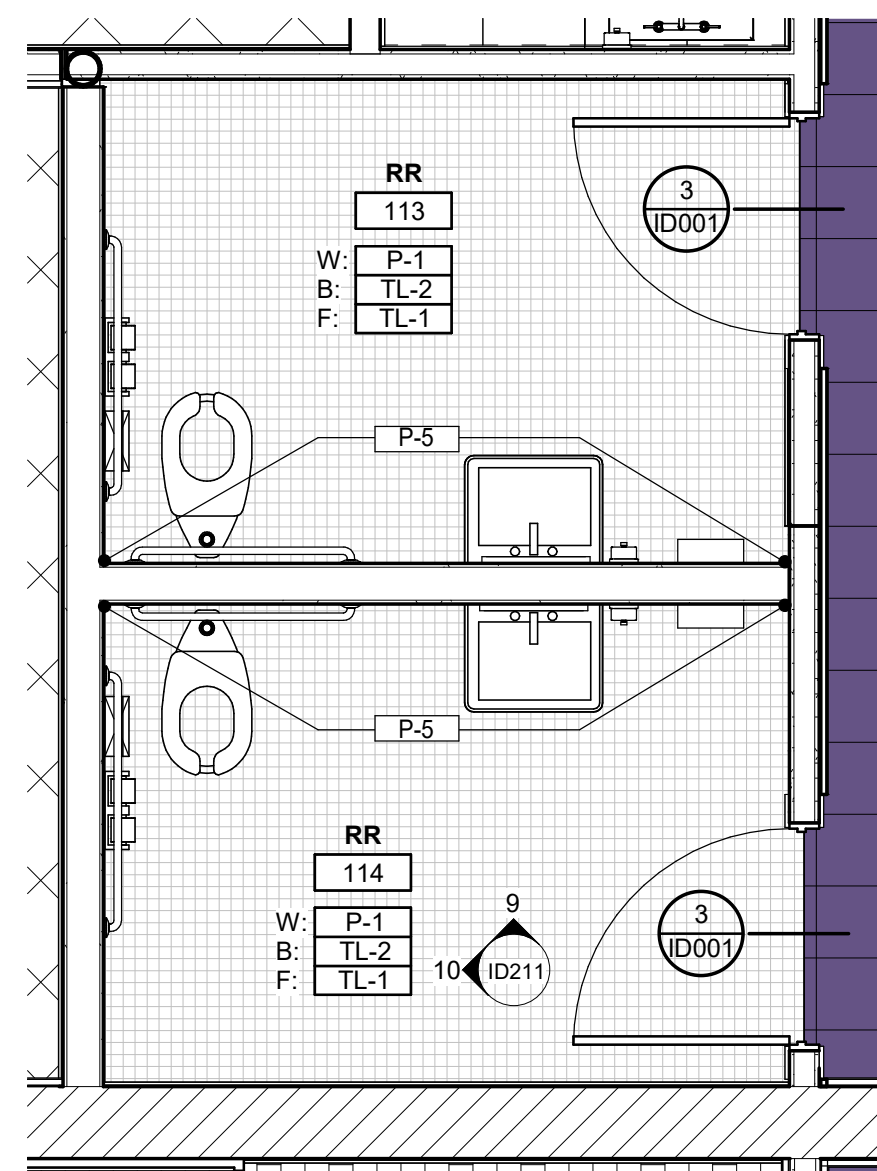
ENLARGED PLANS

sheet number

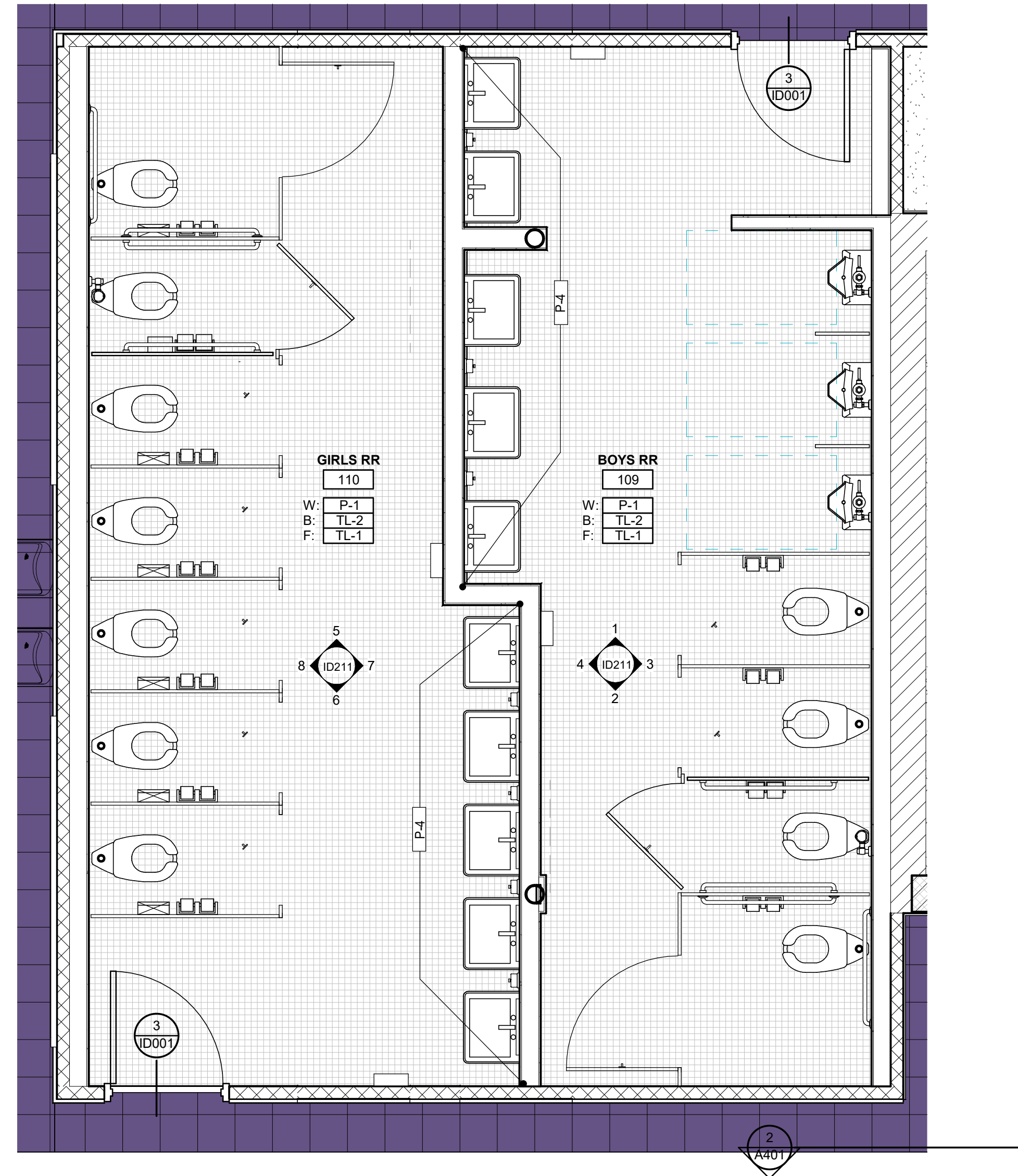
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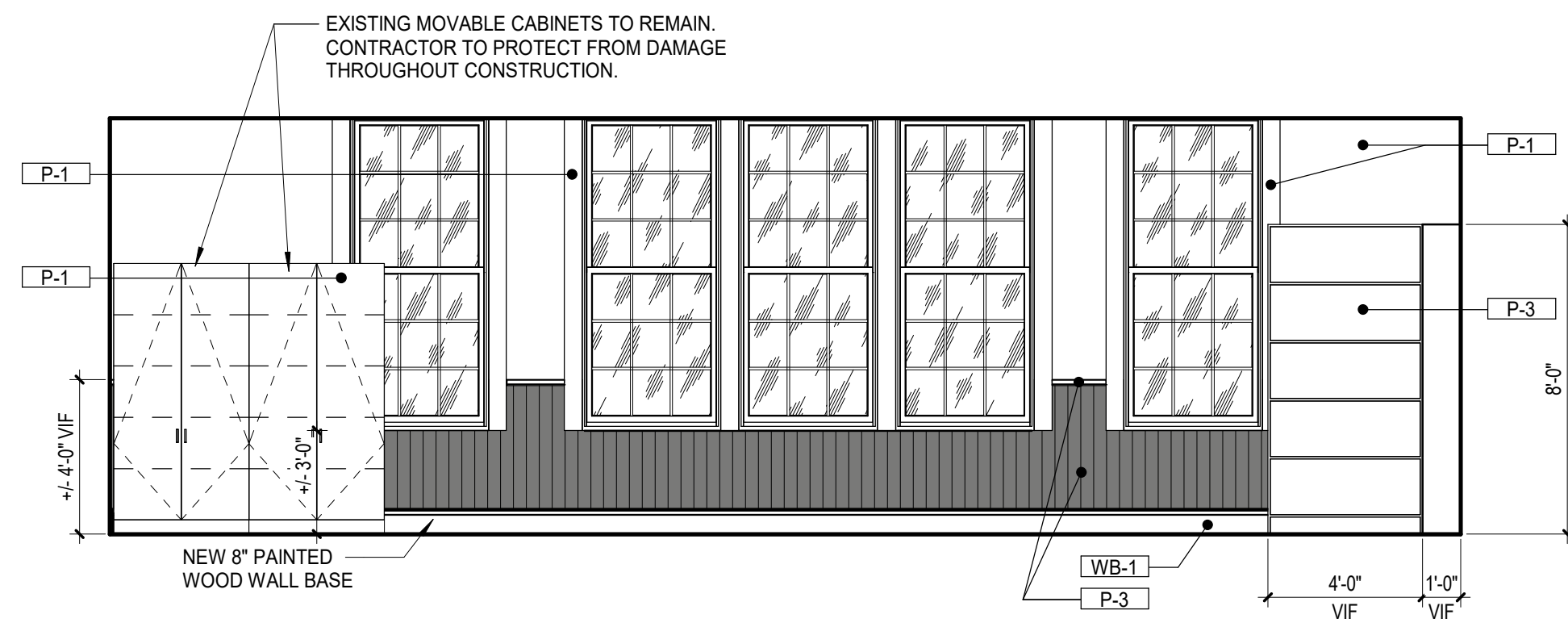
GC TO COORDINATE EXACT LAYOUT OF VCT FLOOR PATTERN WITH ARCHITECT



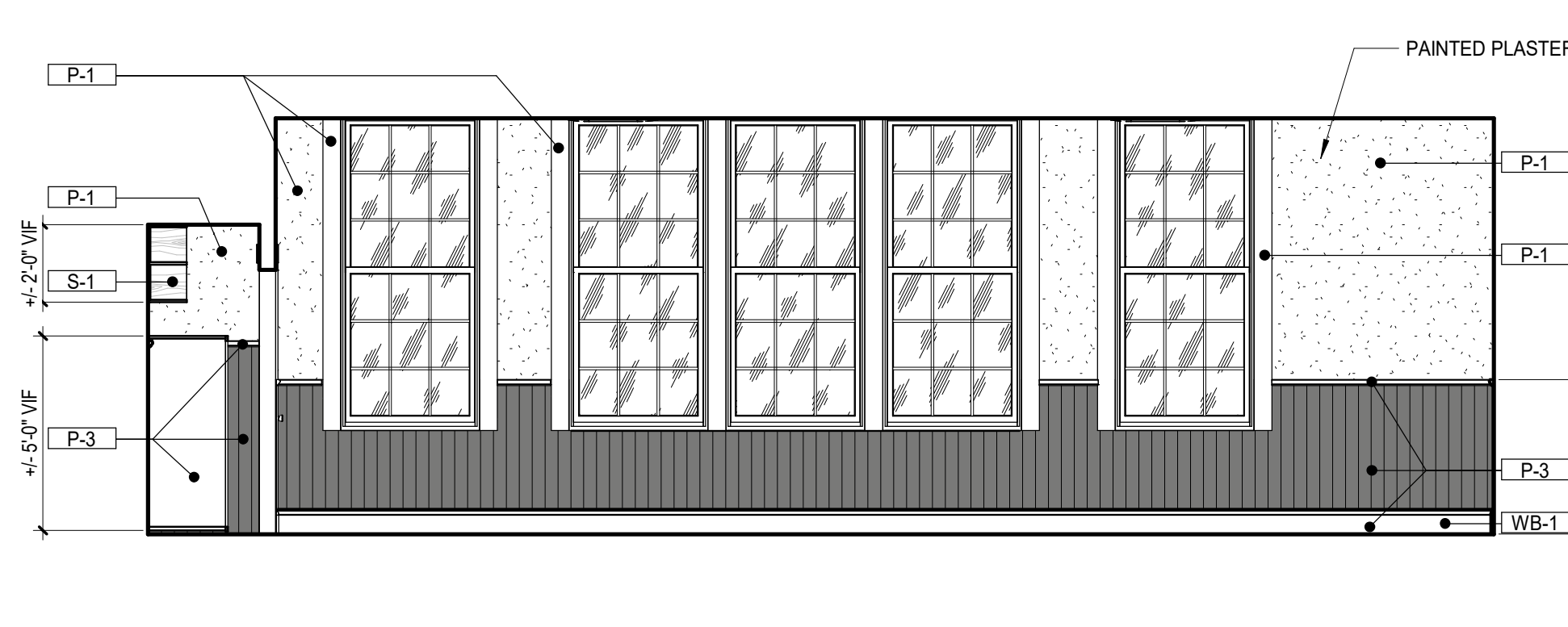
3 FINISH PLAN - FIRST FLOOR - STAFF RR
3/8" = 1'-0"



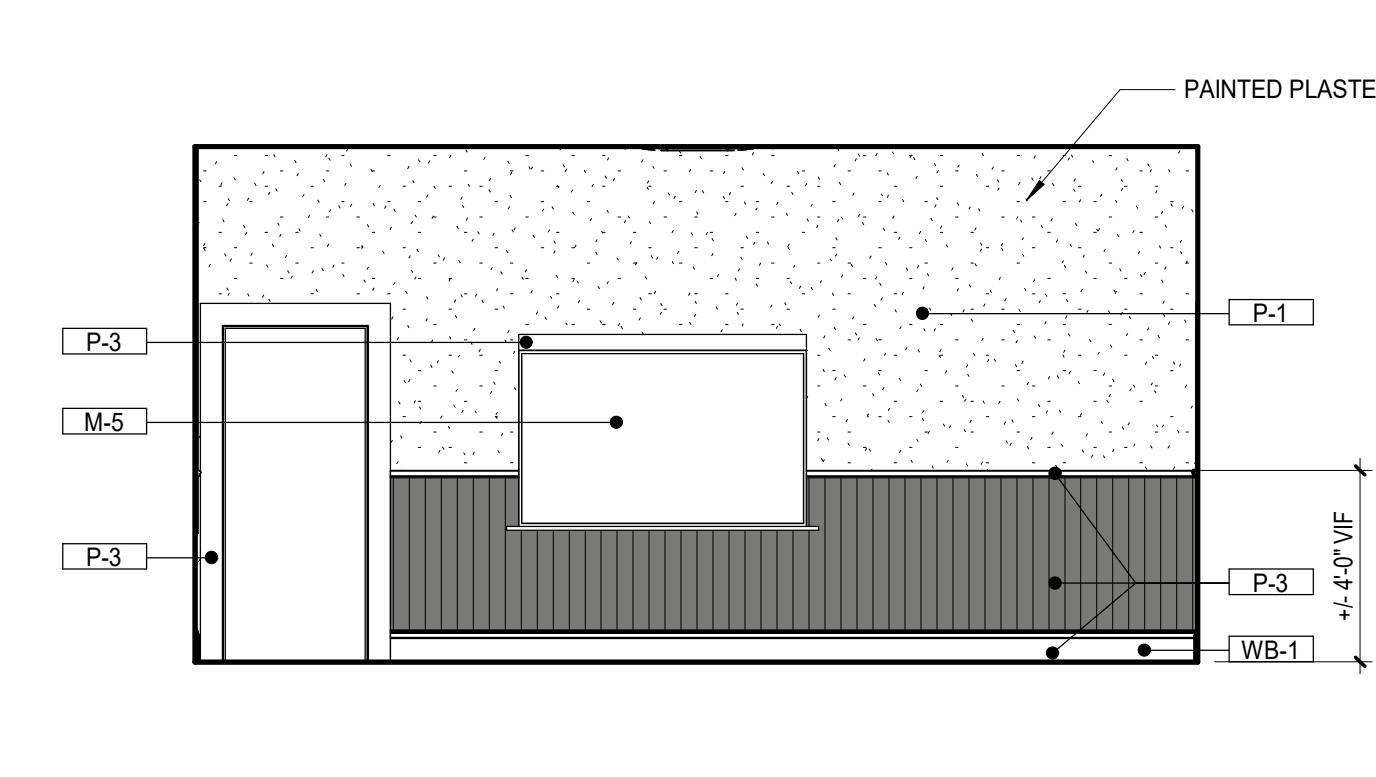
2 ENLARGED FINISH PLAN - BOYS/GIRLS RR
3/8" = 1'-0"



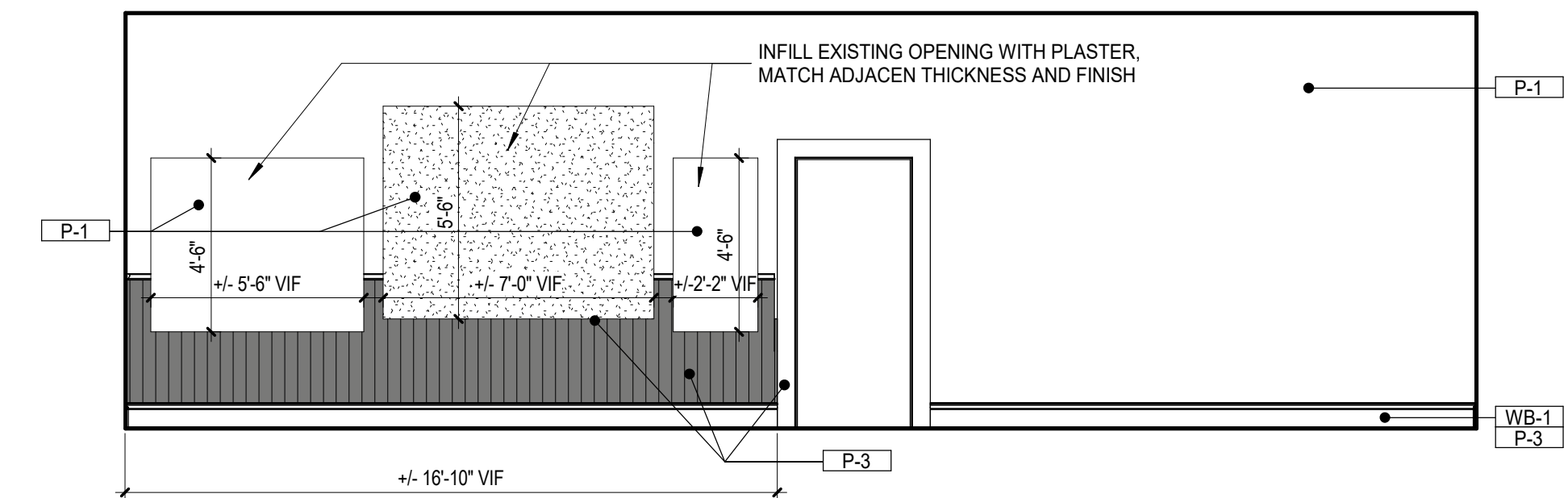
1 CLASSROOM 101 - NORTH
1/4" = 1'-0"



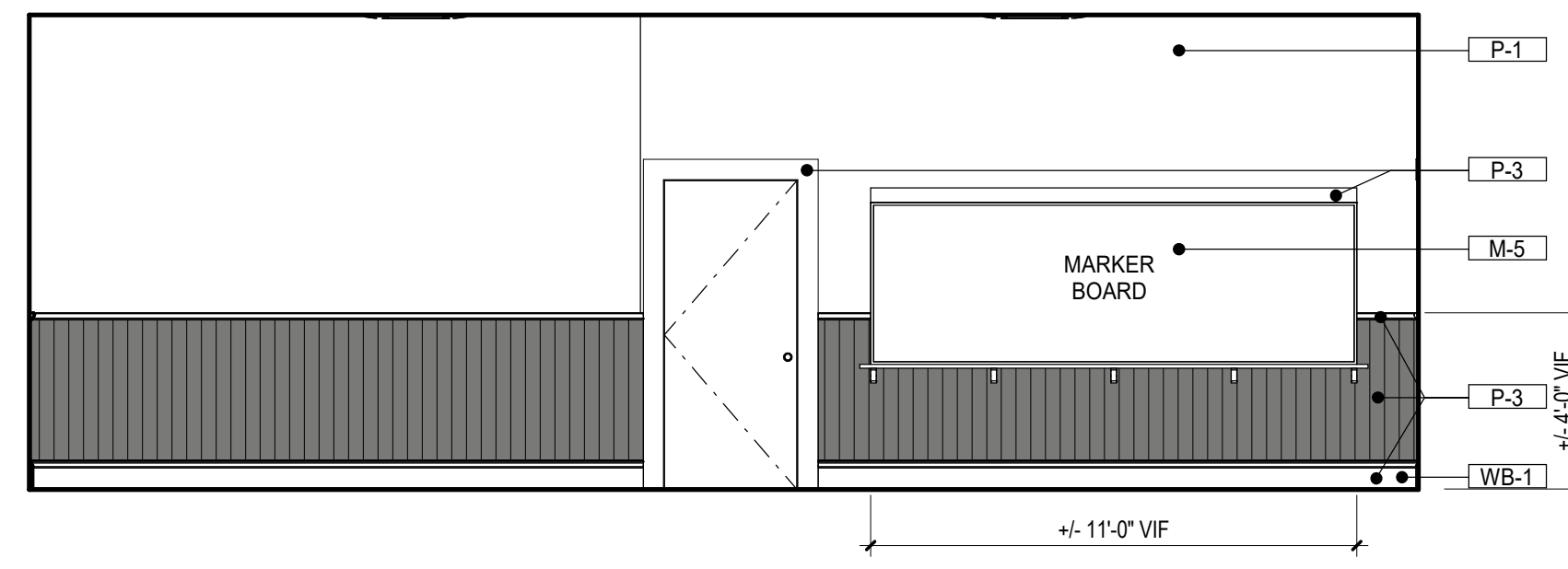
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1/4" = 1'-0"



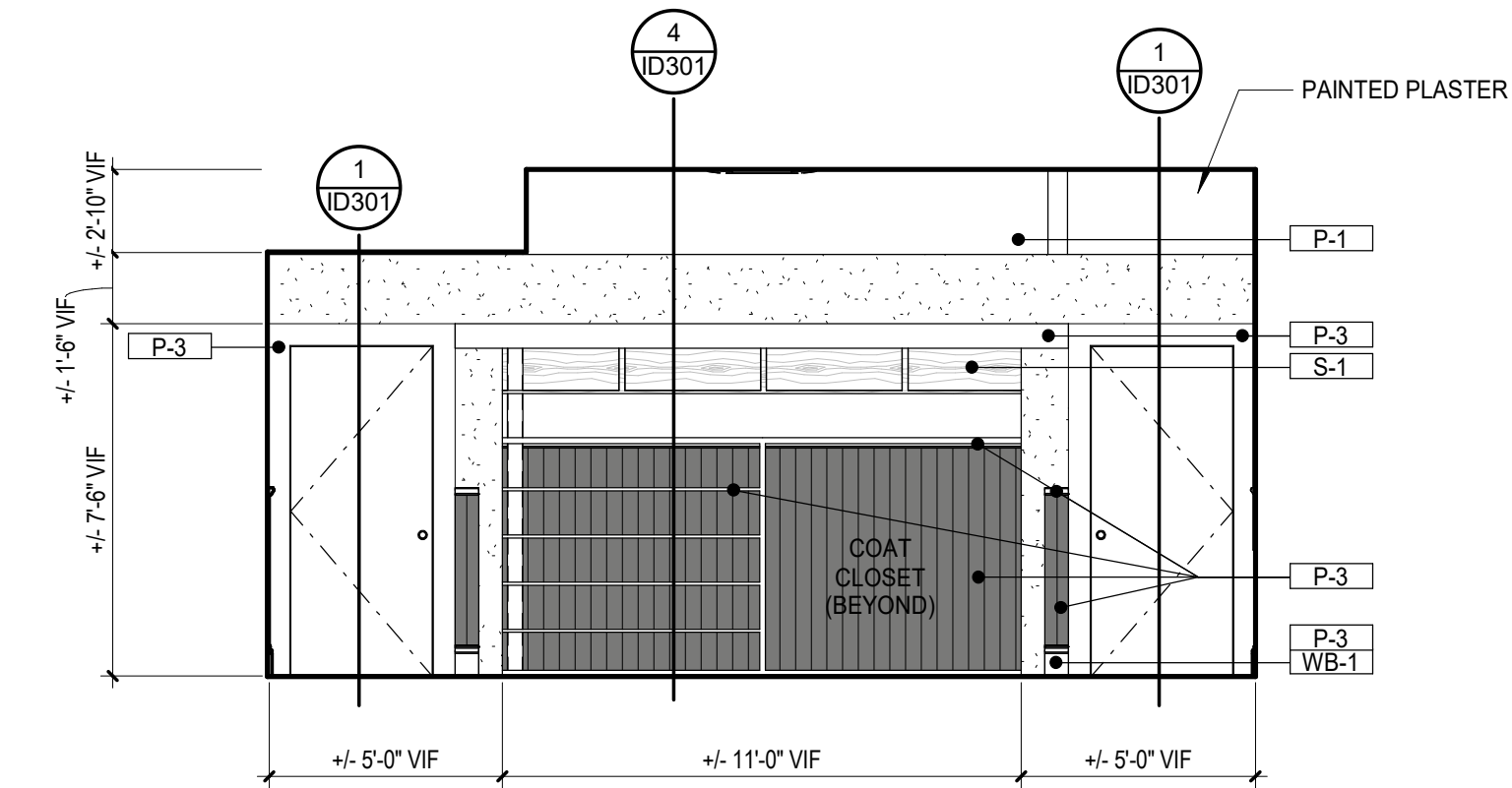
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1/4" = 1'-0"



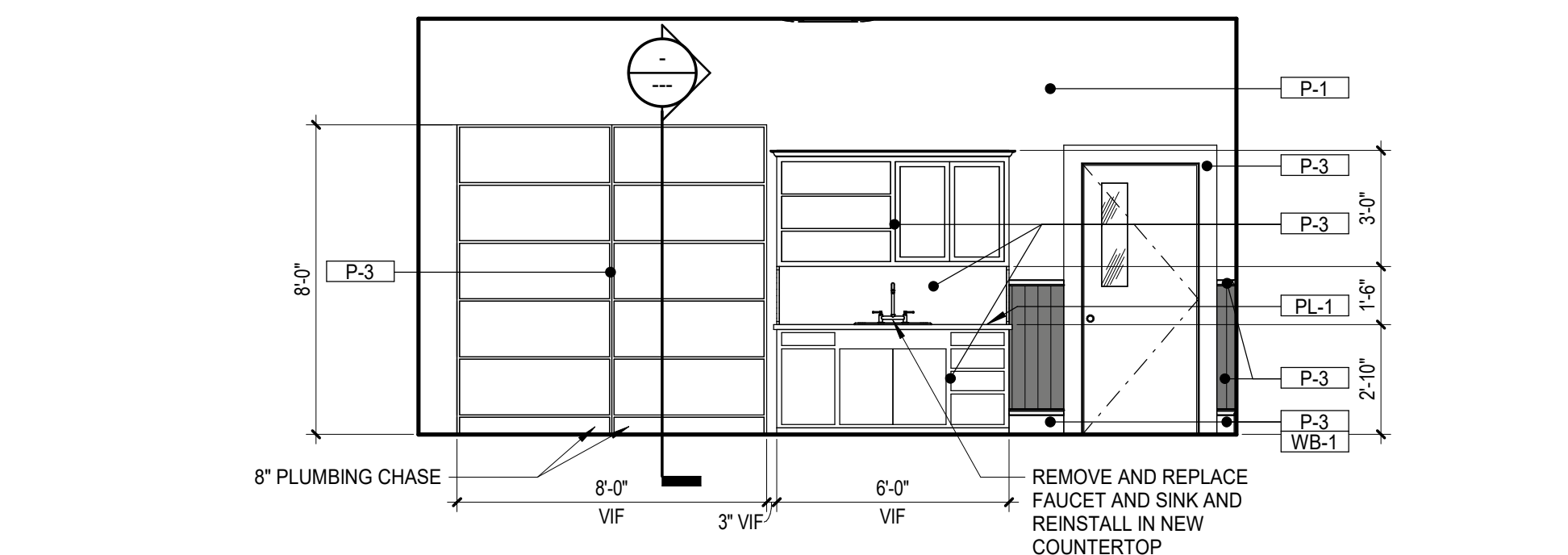
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1/4" = 1'-0"



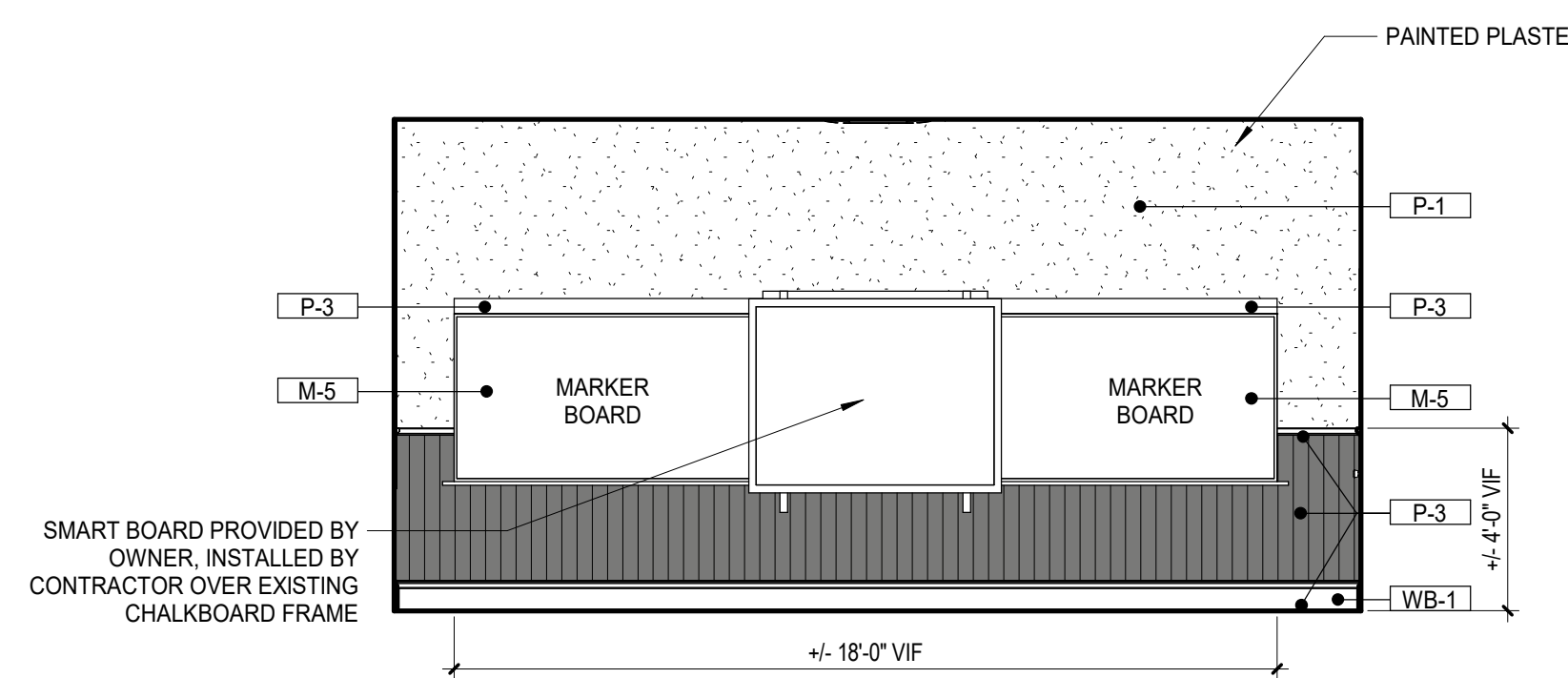
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1/4" = 1'-0"



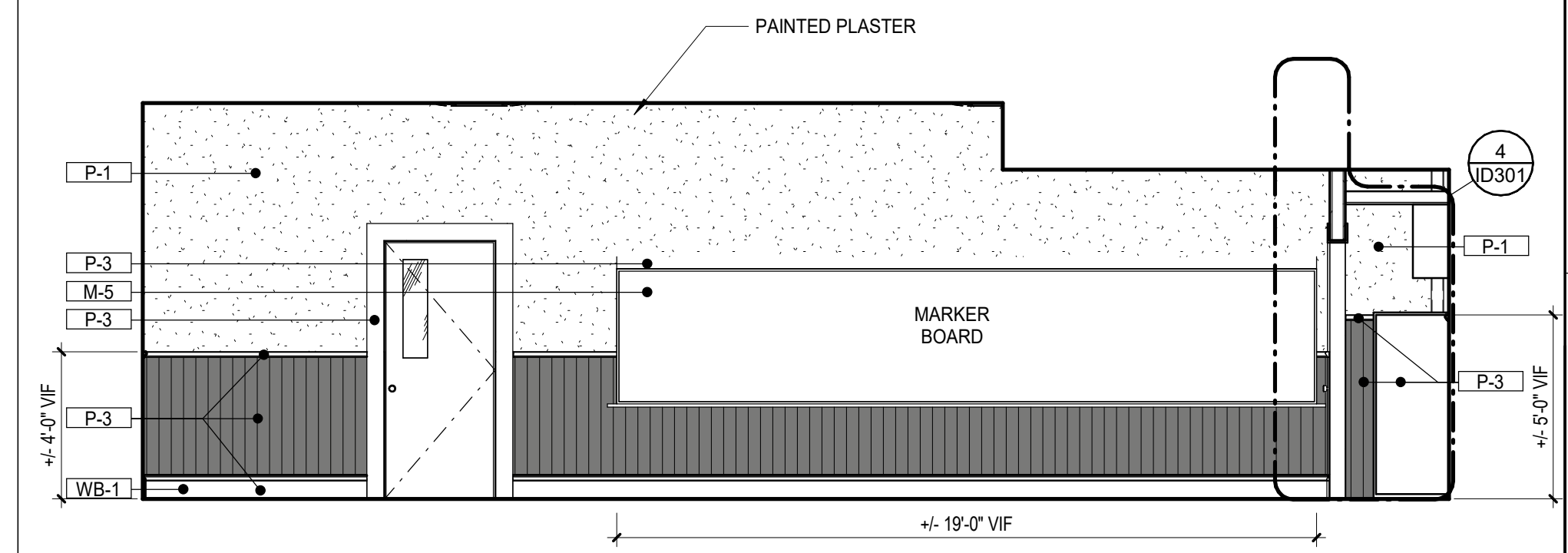
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1/4" = 1'-0"



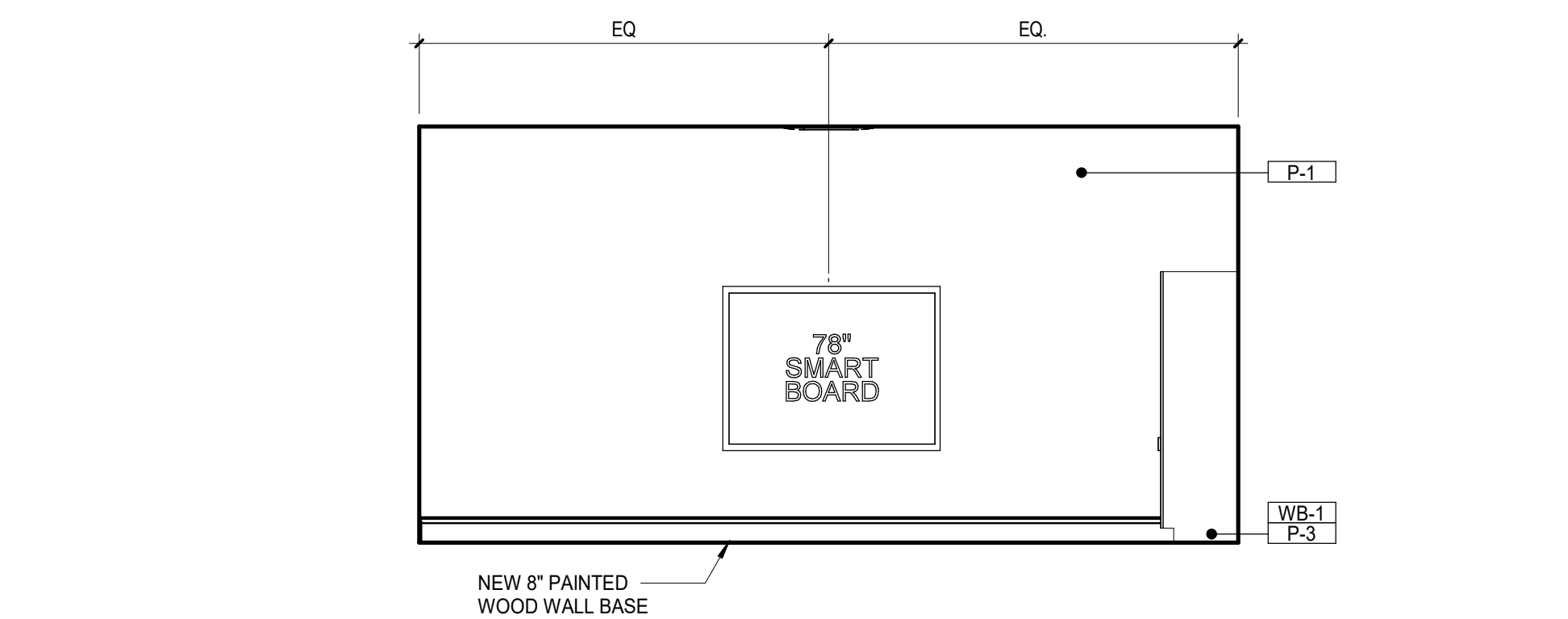
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1/4" = 1'-0"



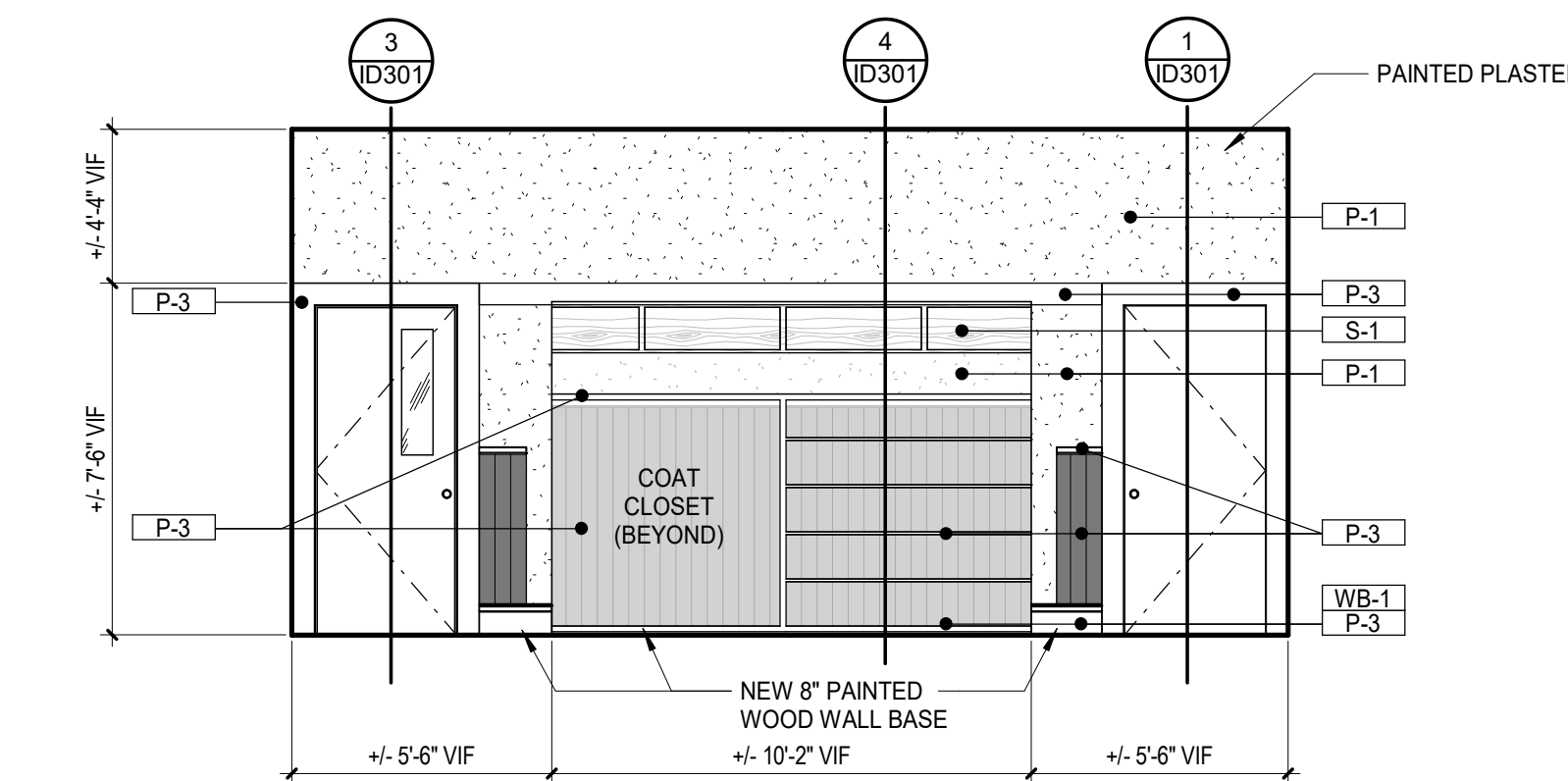
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1/4" = 1'-0"



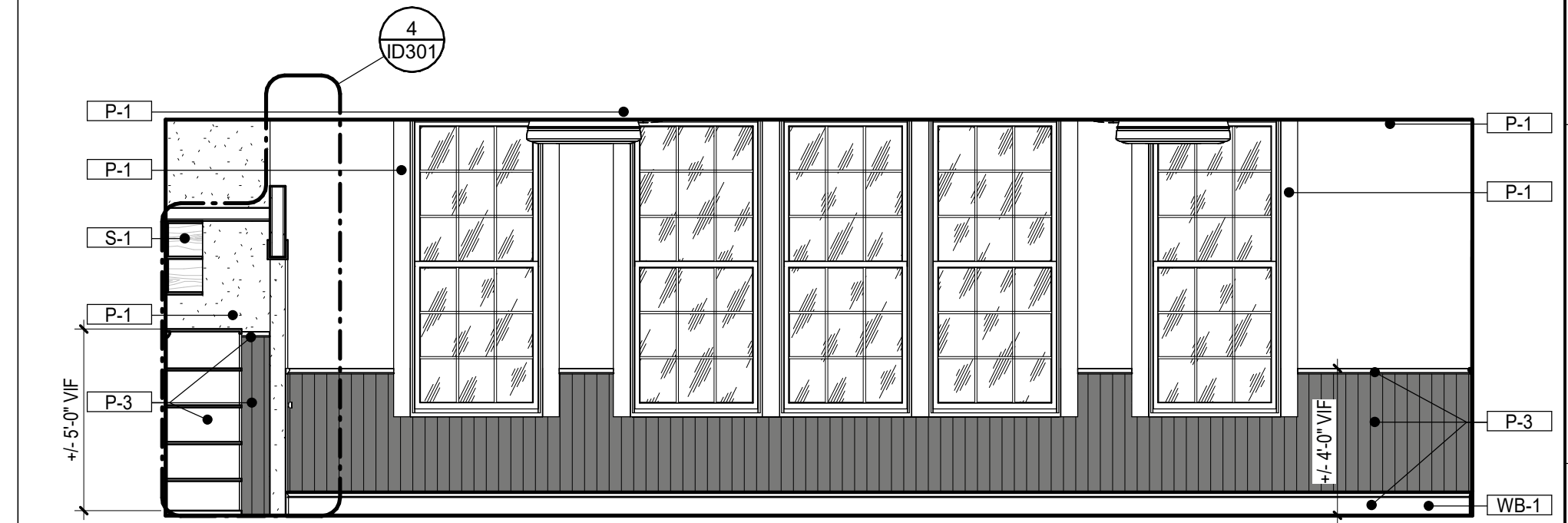
9 CLASSROOM 103 - EAST
1/4" = 1'-0"



10 CLASSROOM 101 - WEST
1/4" = 1'-0"



11 CLASSROOM 102 - WEST
1/4" = 1'-0"



12 CLASSROOM 103 - WEST
1/4" = 1'-0"



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CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

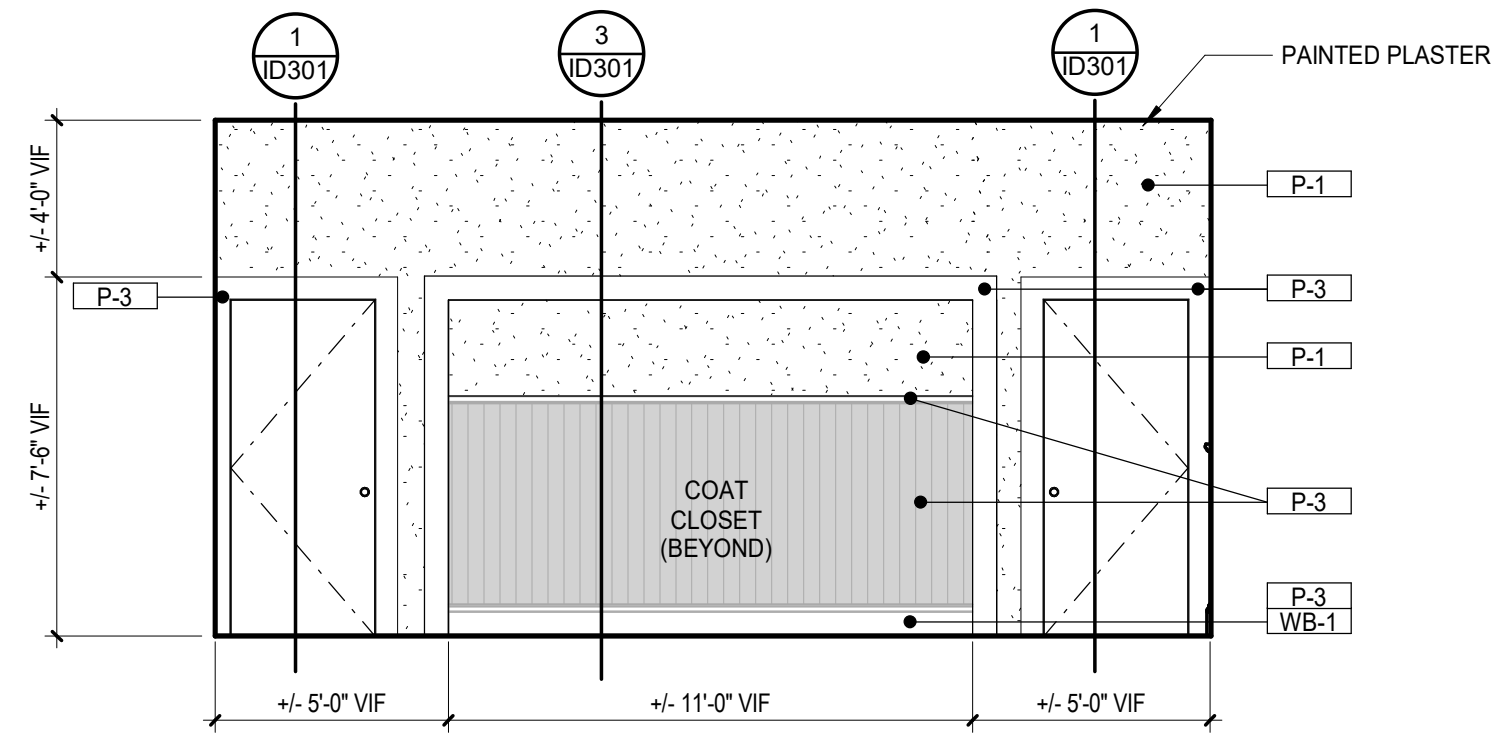
No.	Description	Date

DATE: 08/23/2024
PHASE: BID DOCUMENTS
ISSUED FOR:
PROJECT NO.: 3221105

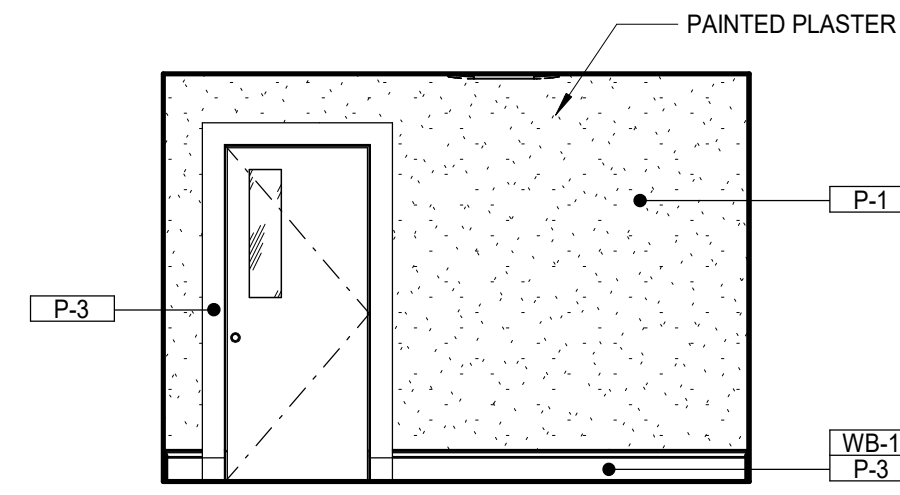
INTERIOR ELEVATIONS

sheet number

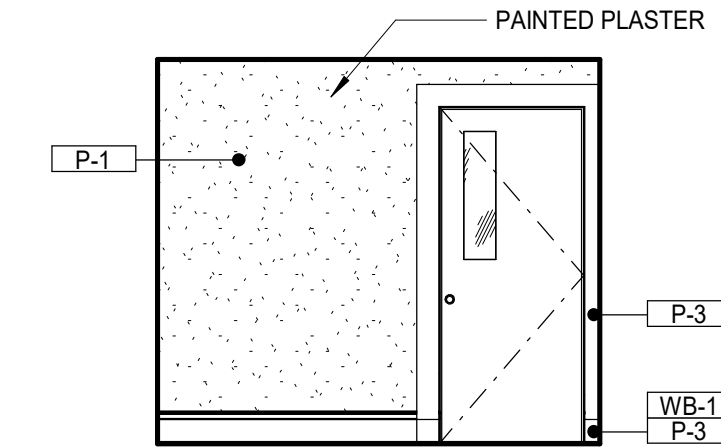
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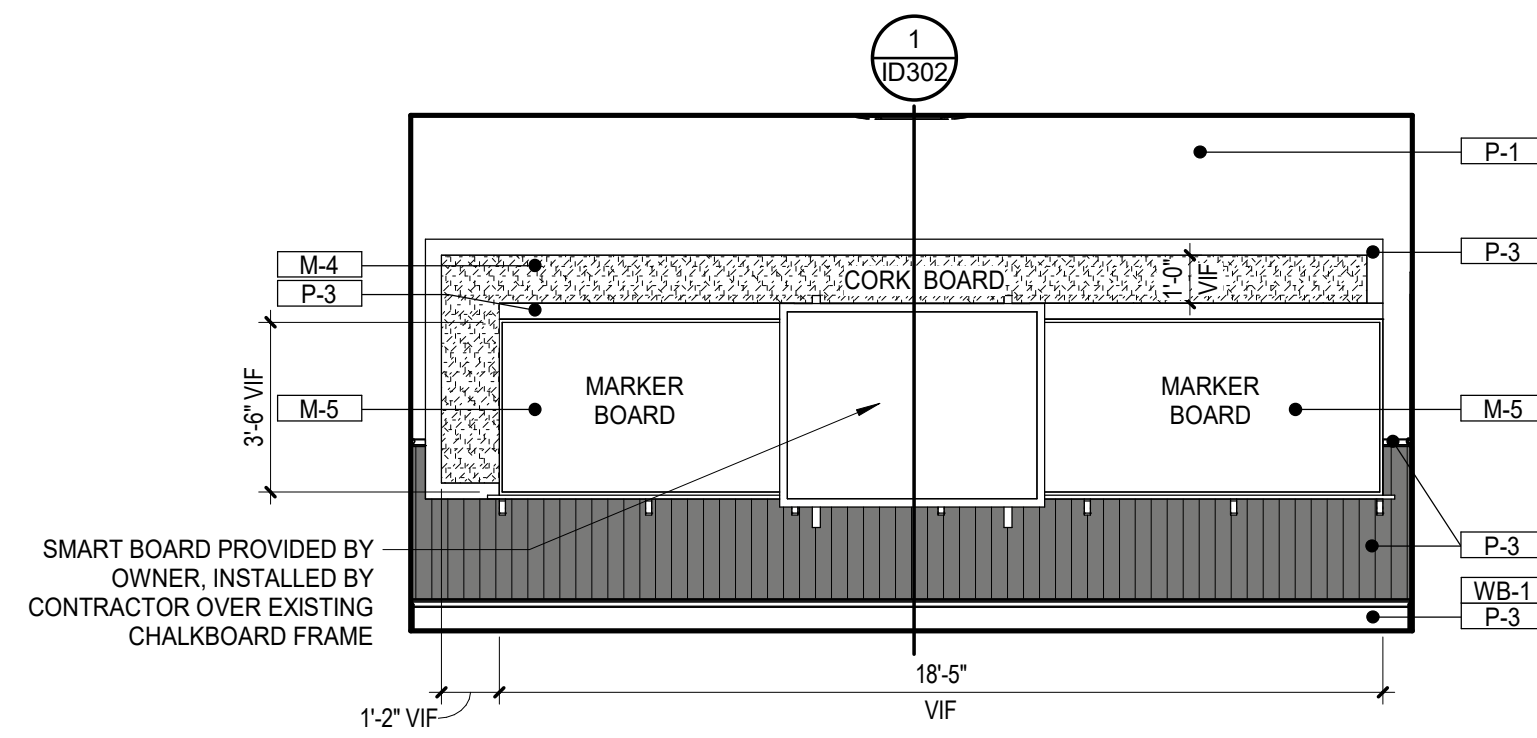
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1/4" = 1'-0"



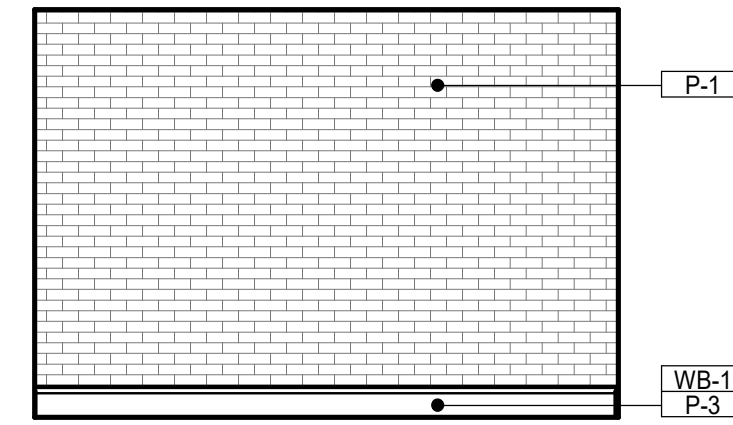
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1/4" = 1'-0"



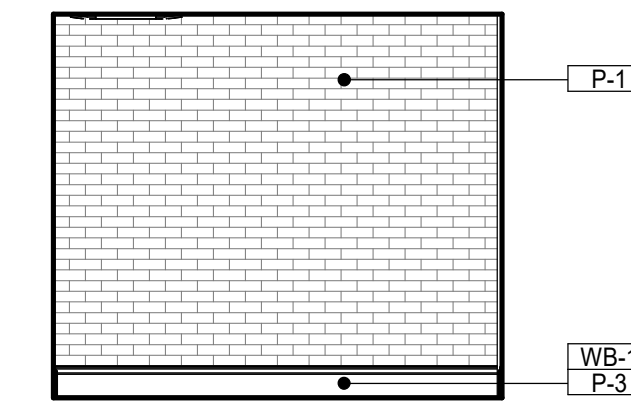
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1/4" = 1'-0"



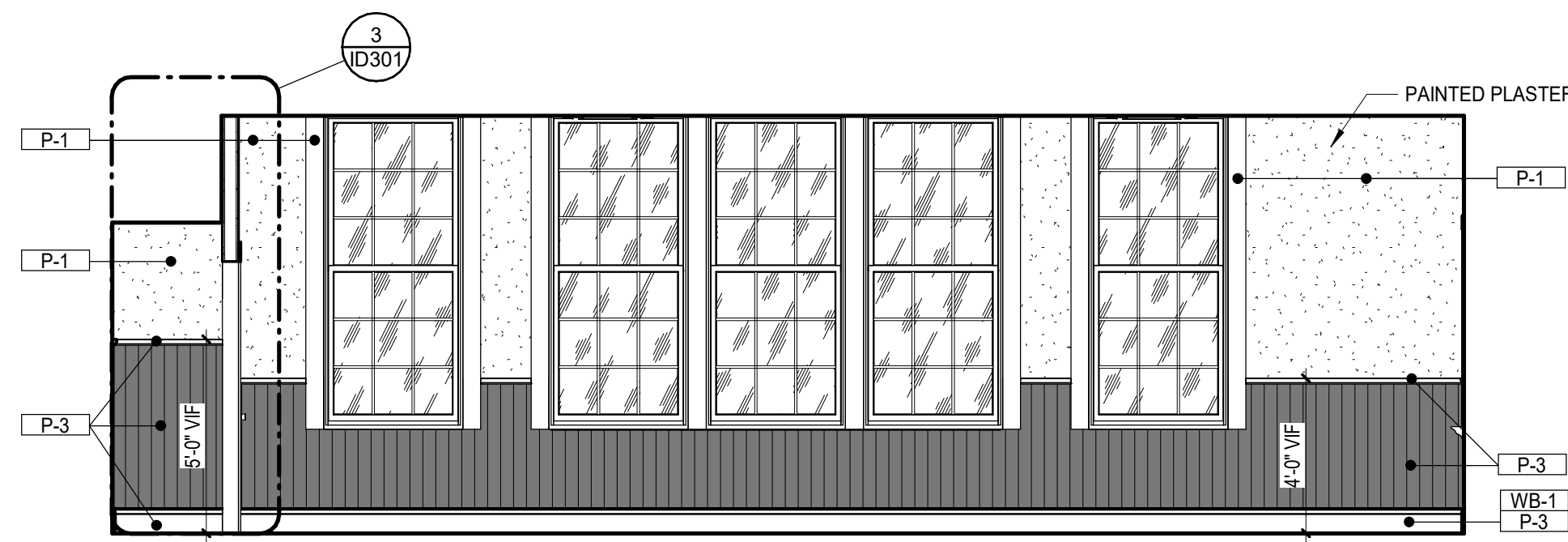
4 CLASSROOM 110 - SOUTH
1/4" = 1'-0"



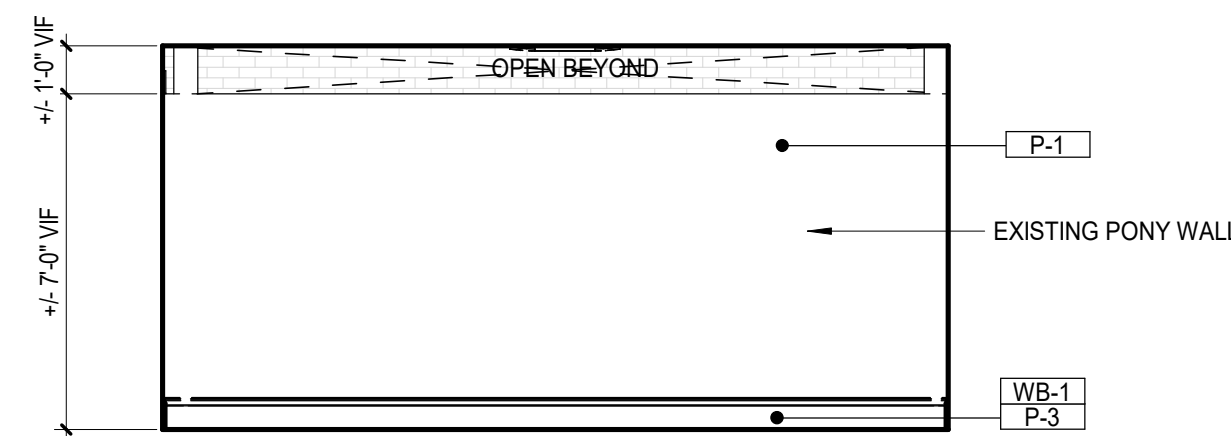
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1/4" = 1'-0"



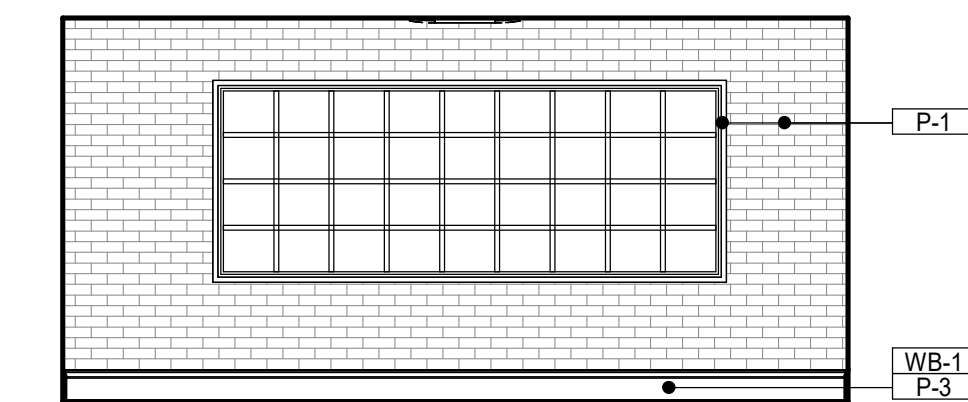
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1/4" = 1'-0"



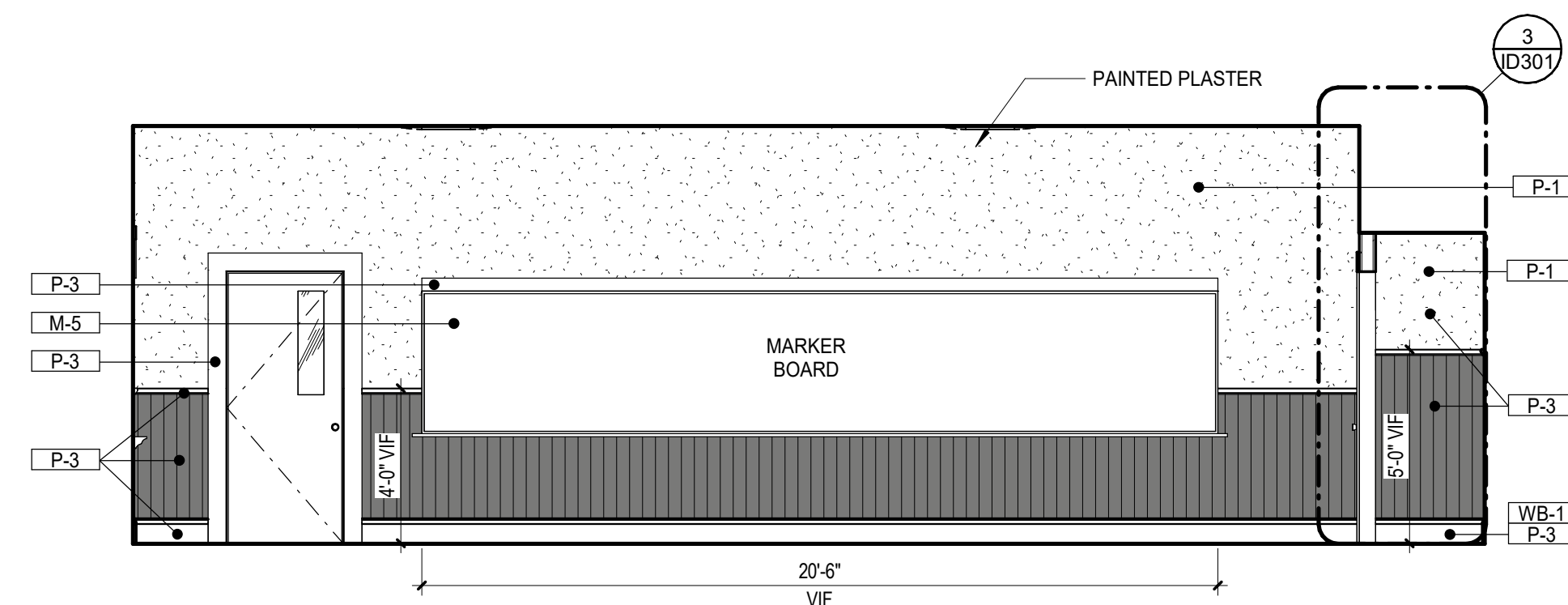
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1/4" = 1'-0"



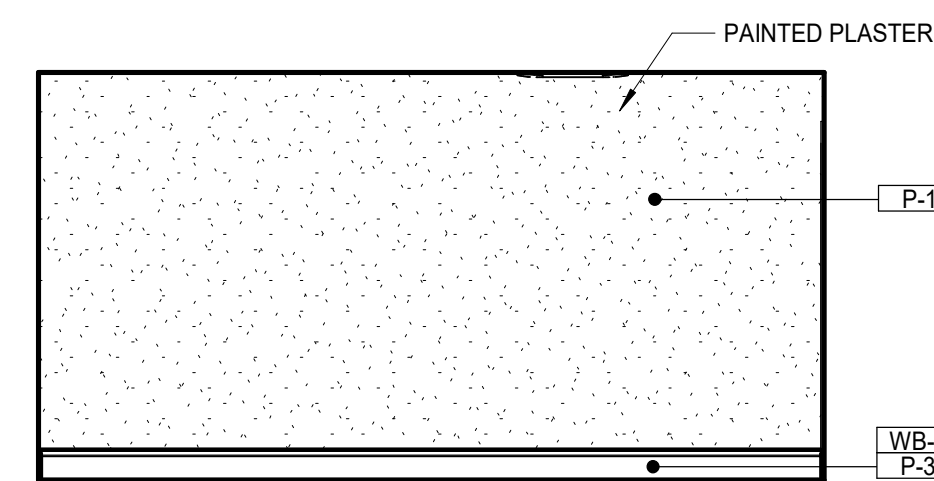
8 WORKROOM 116 - EAST
1/4" = 1'-0"



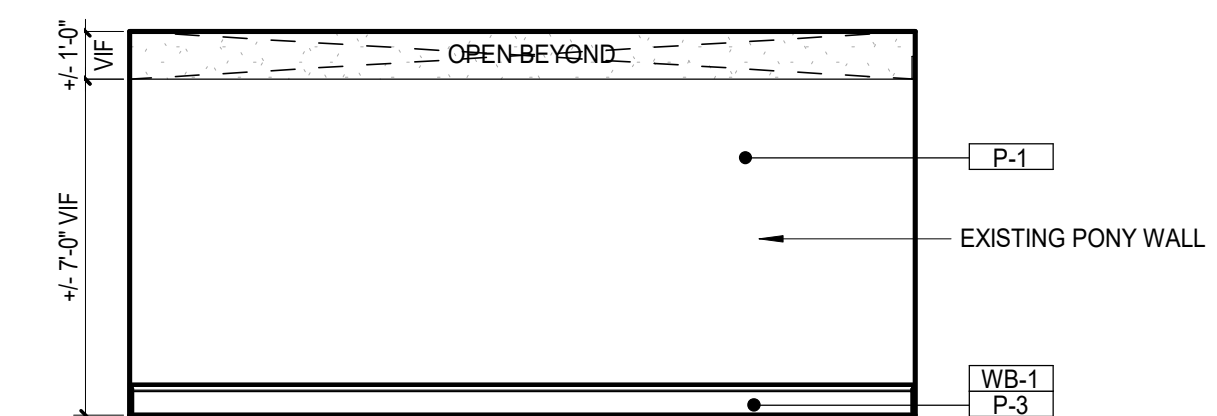
9 WORKROOM 117 - EAST
1/4" = 1'-0"



10 CLASSROOM 110 - WEST
1/4" = 1'-0"



11 WORKROOM 116 - WEST
1/4" = 1'-0"



12 WORKROOM 117 - WEST
1/4" = 1'-0"



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

DATE: 08/23/2024
PHASE: BID DOCUMENTS
ISSUED FOR:
PROJECT NO.: 3221105

INTERIOR ELEVATIONS

sheet number

ID205

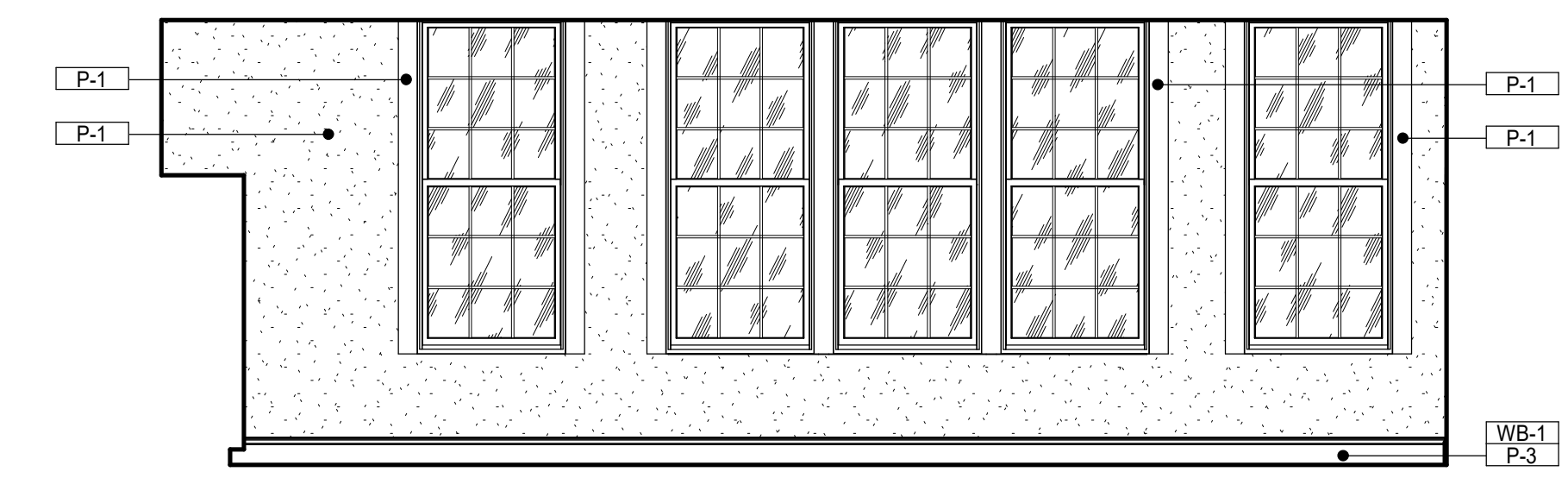


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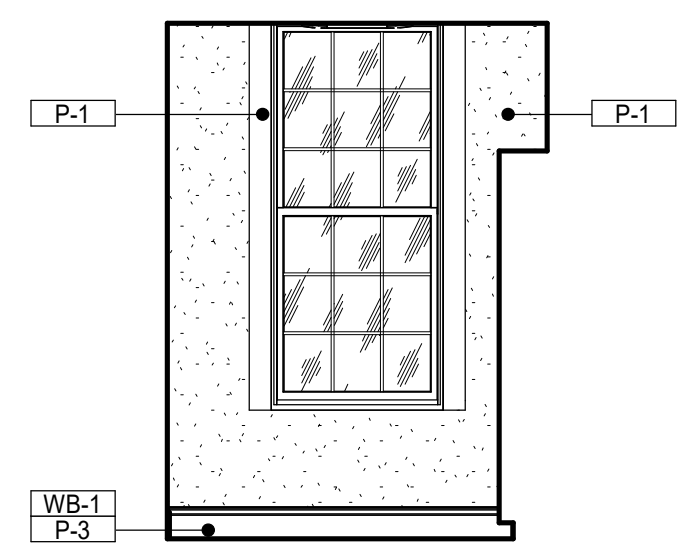


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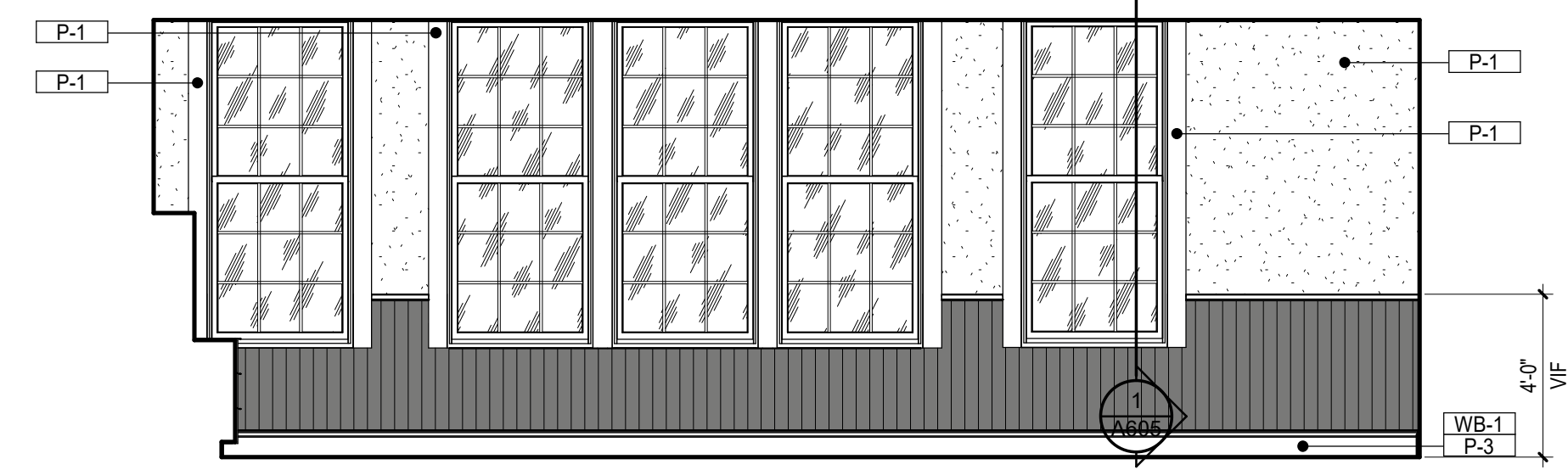
J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647



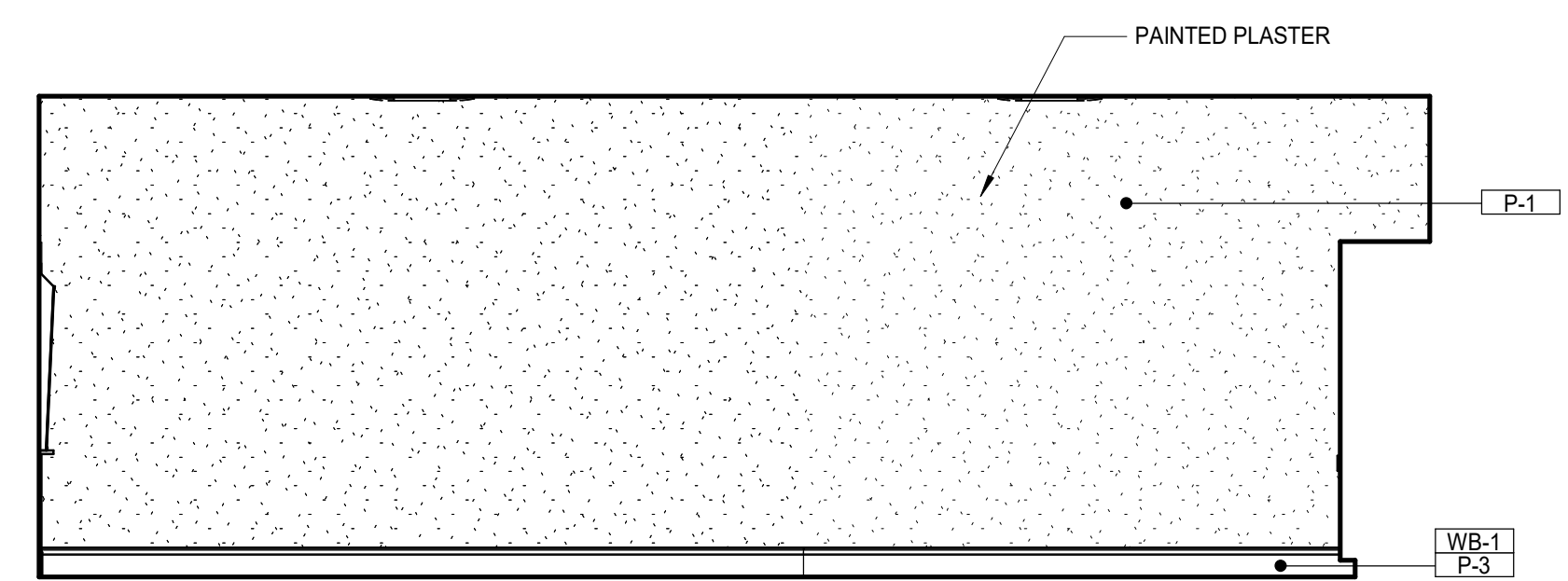
1 CLASSROOM 201 - NORTH
1/4" = 1'-0"



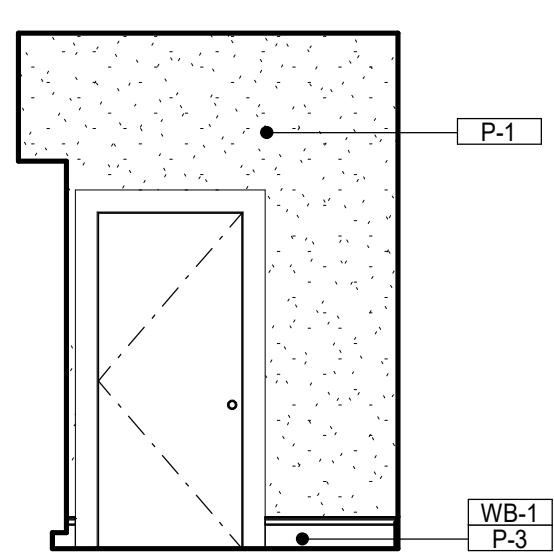
2 STORAGE 202 - NORTH
1/4" = 1'-0"



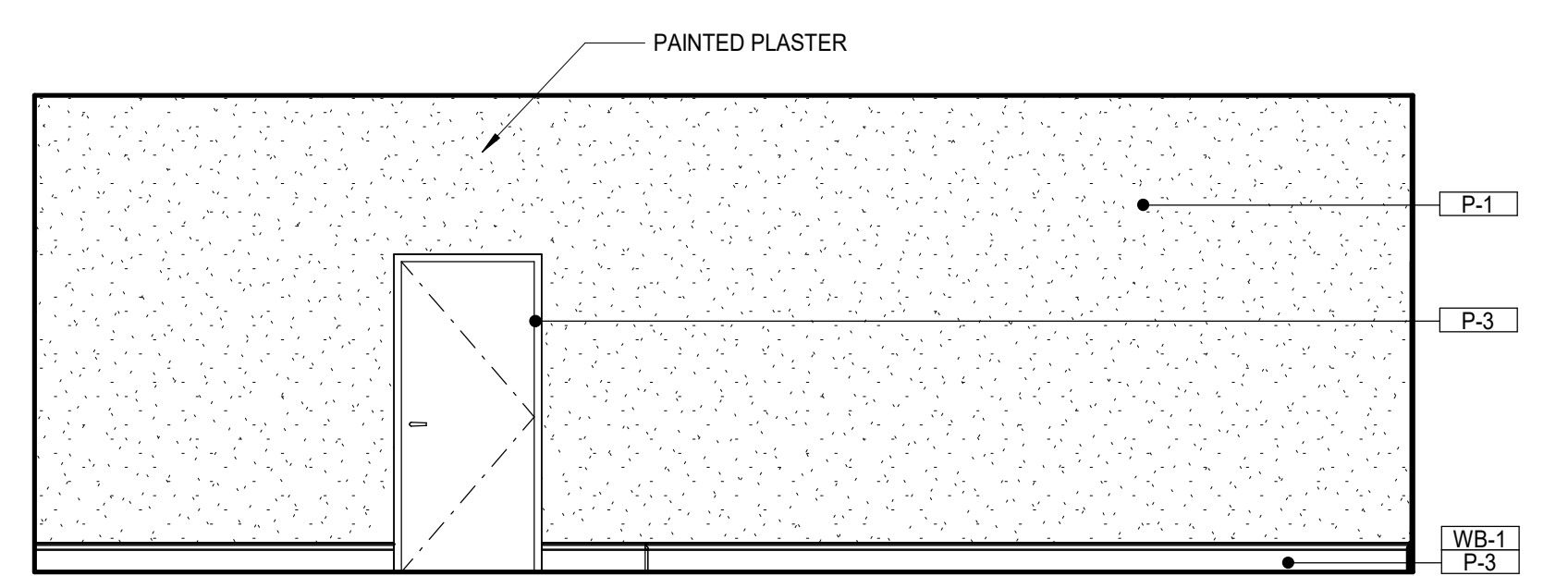
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1/4" = 1'-0"



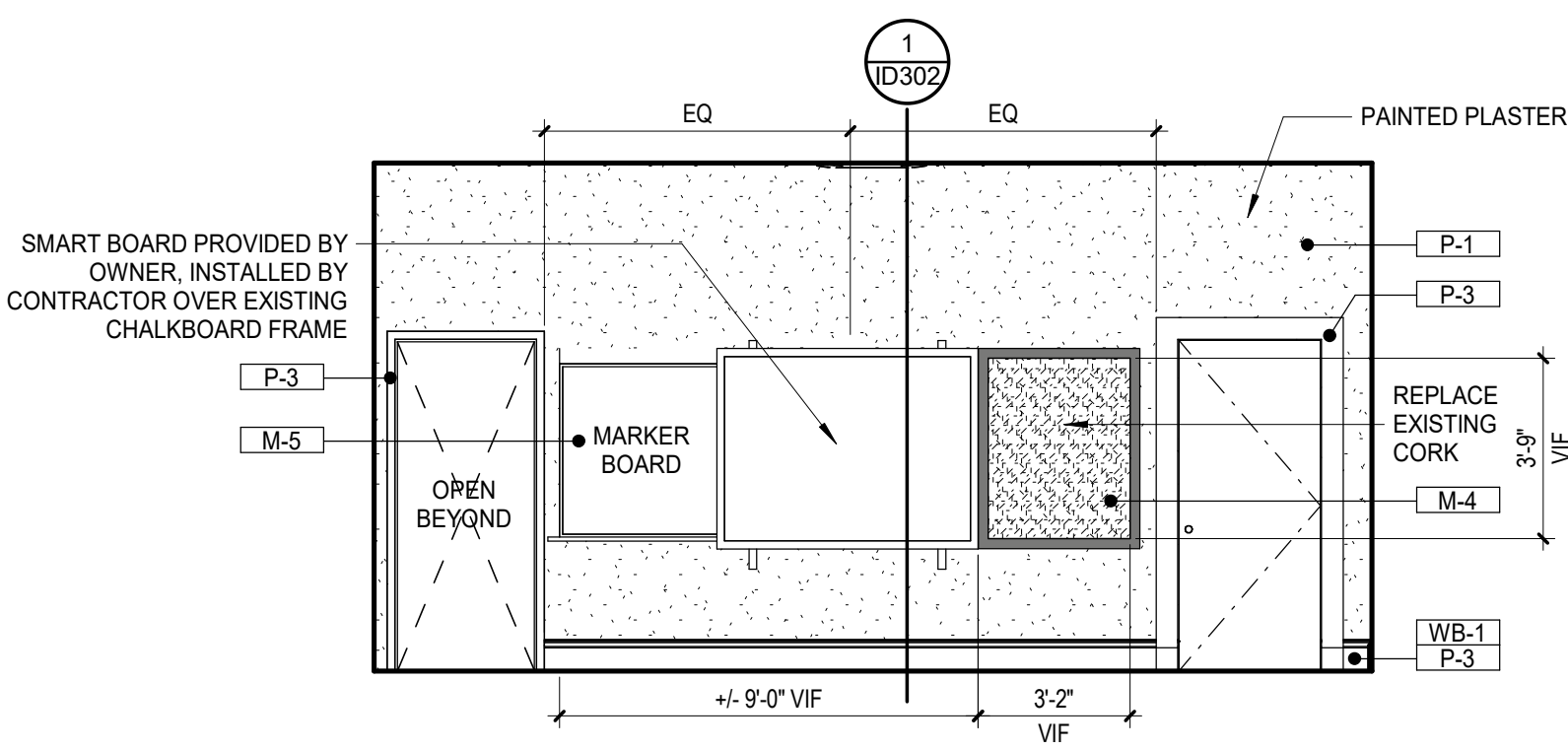
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1/4" = 1'-0"



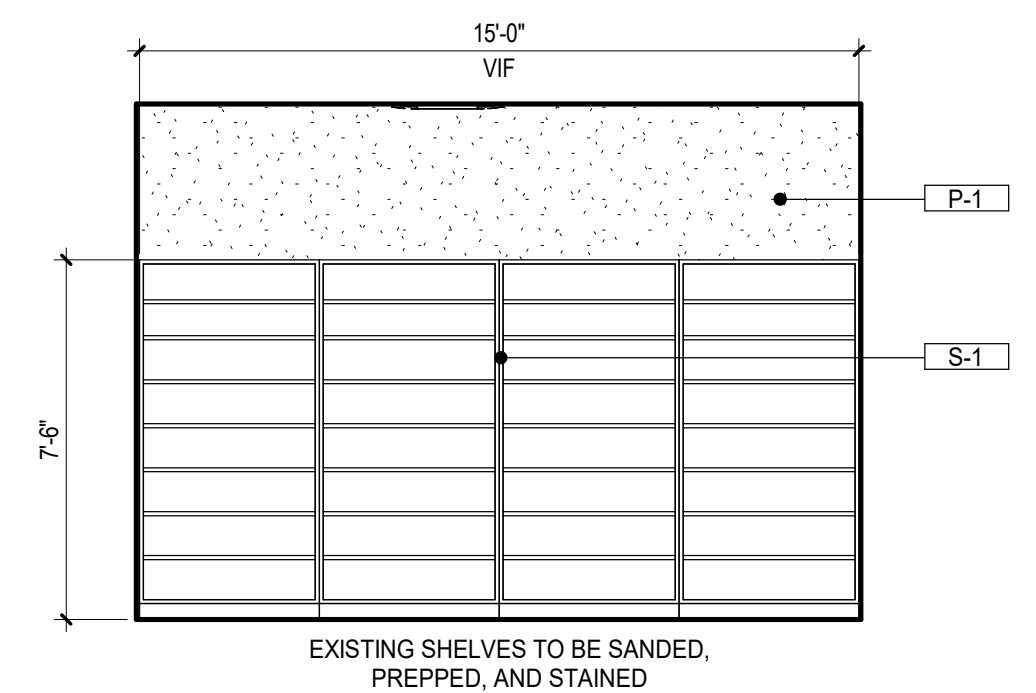
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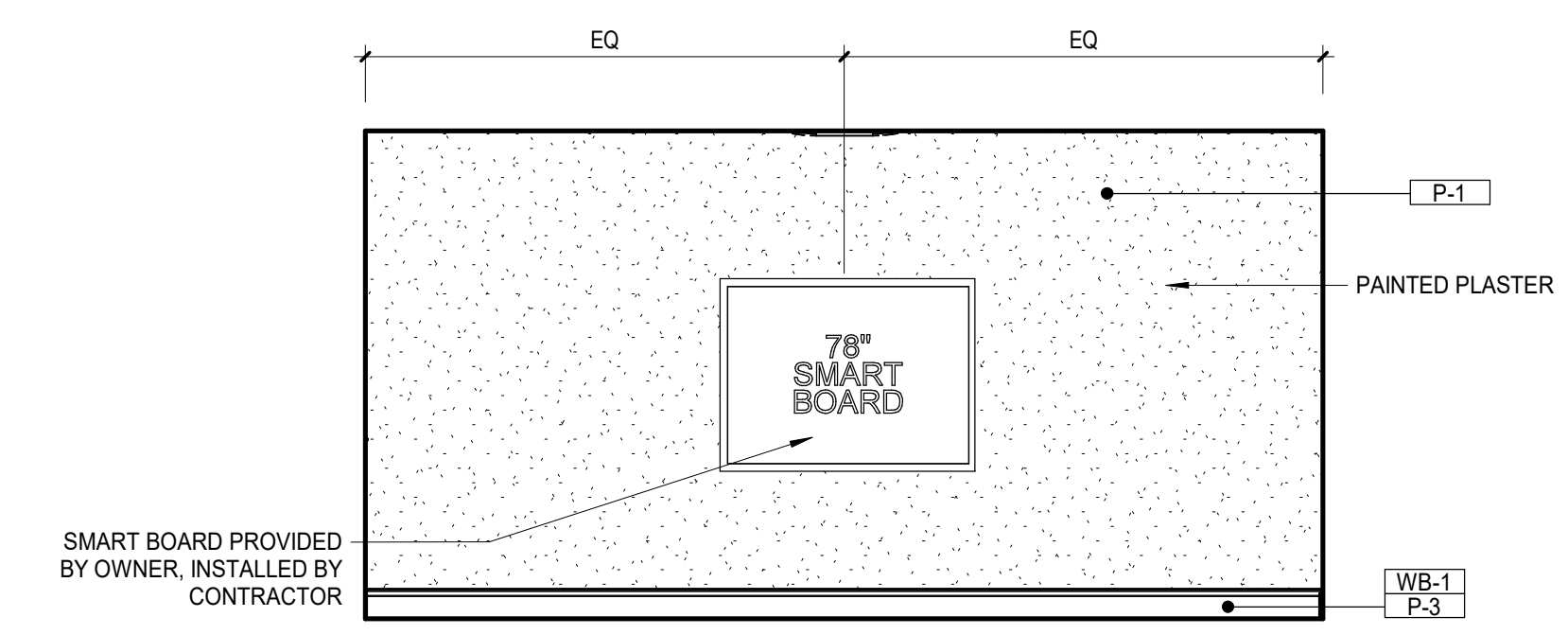
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1/4" = 1'-0"



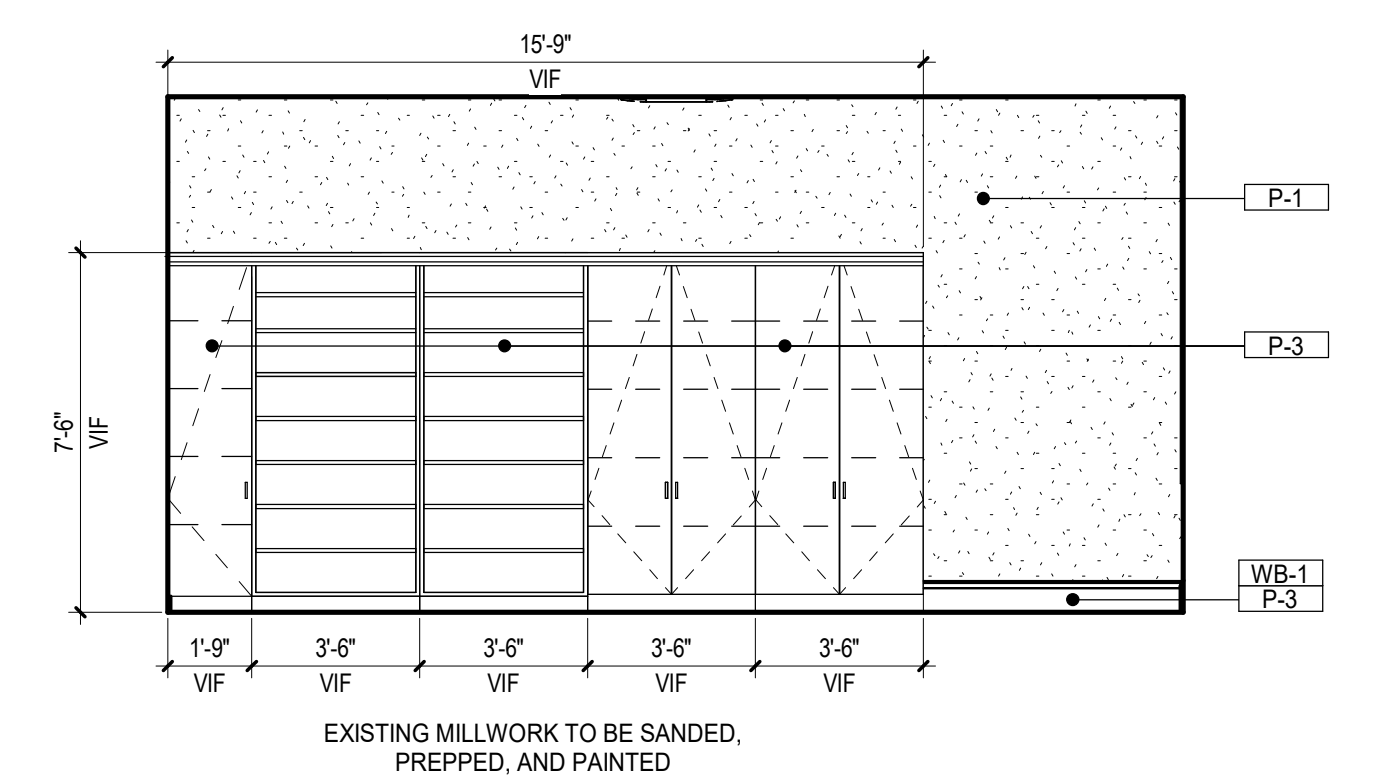
7 CLASSROOM 201 - EAST
1/4" = 1'-0"



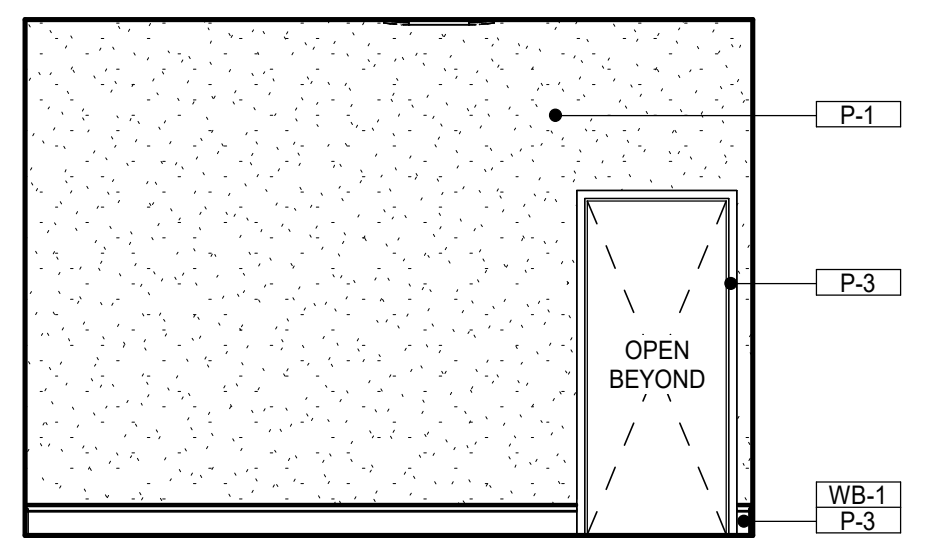
8 STORAGE 202 - EAST
1/4" = 1'-0"



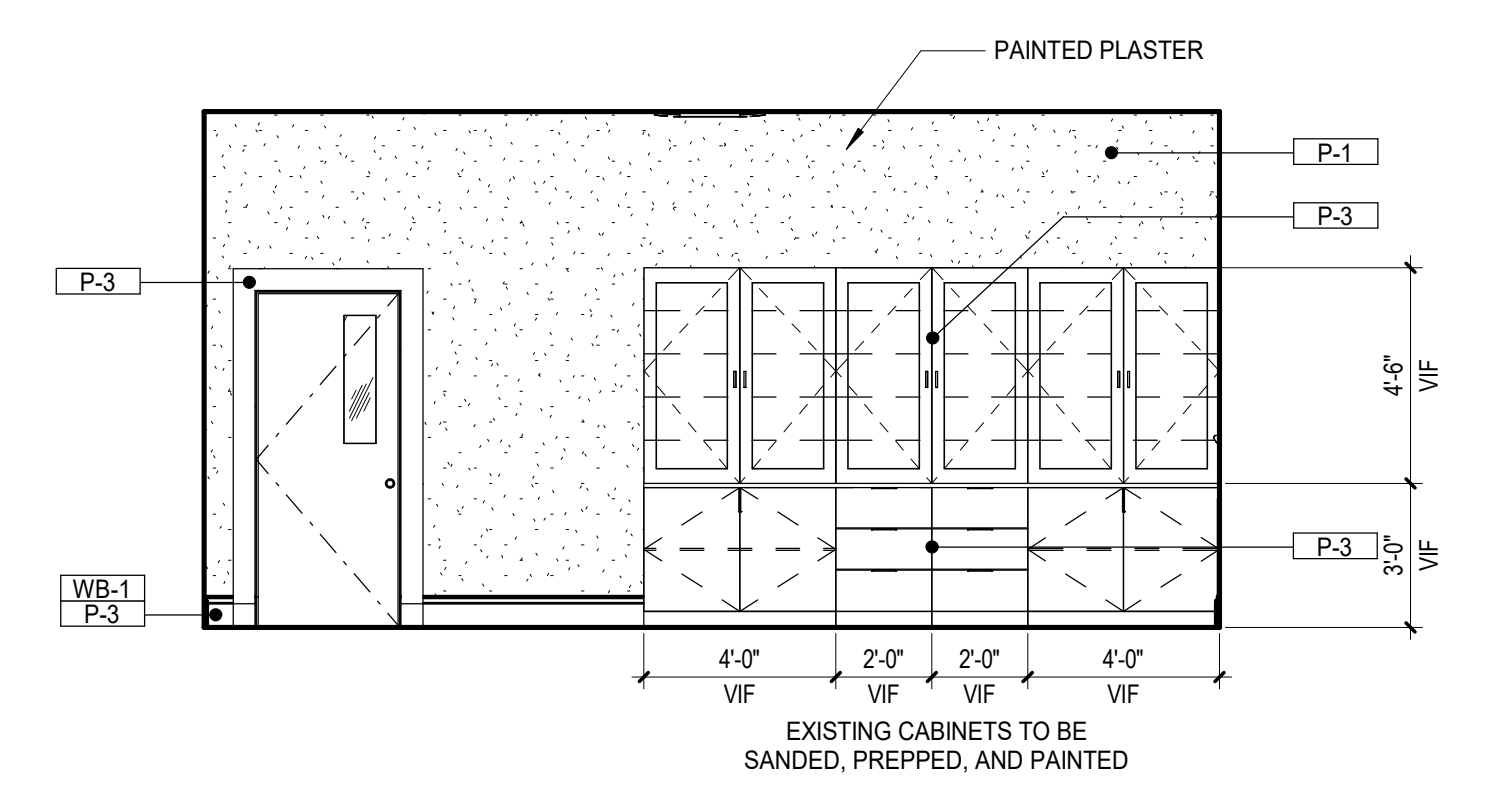
9 CLASSROOM 203 - EAST
1/4" = 1'-0"



10 CLASSROOM 201 - WEST
1/4" = 1'-0"



11 STORAGE 202 - WEST
1/4" = 1'-0"



12 CLASSROOM 203 - WEST
1/4" = 1'-0"

No.	Description	Date

DATE: 08/23/2024
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INTERIOR ELEVATIONS

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ID206

8/28/2024 8:33:34 AM



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

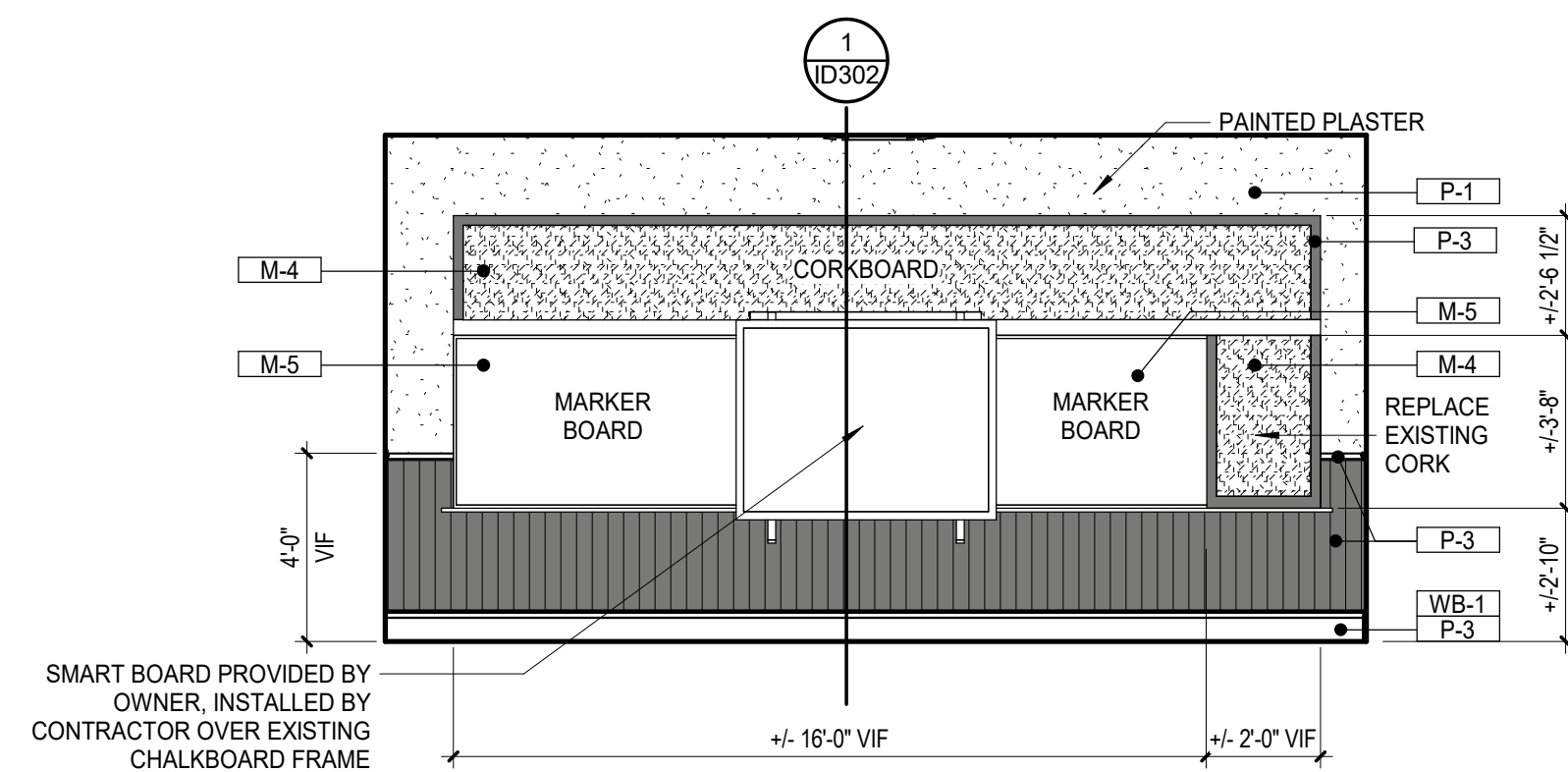
No.	Description	Date

DATE: 08/23/2024
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 ISSUED FOR:
 PROJECT NO.: 3221105

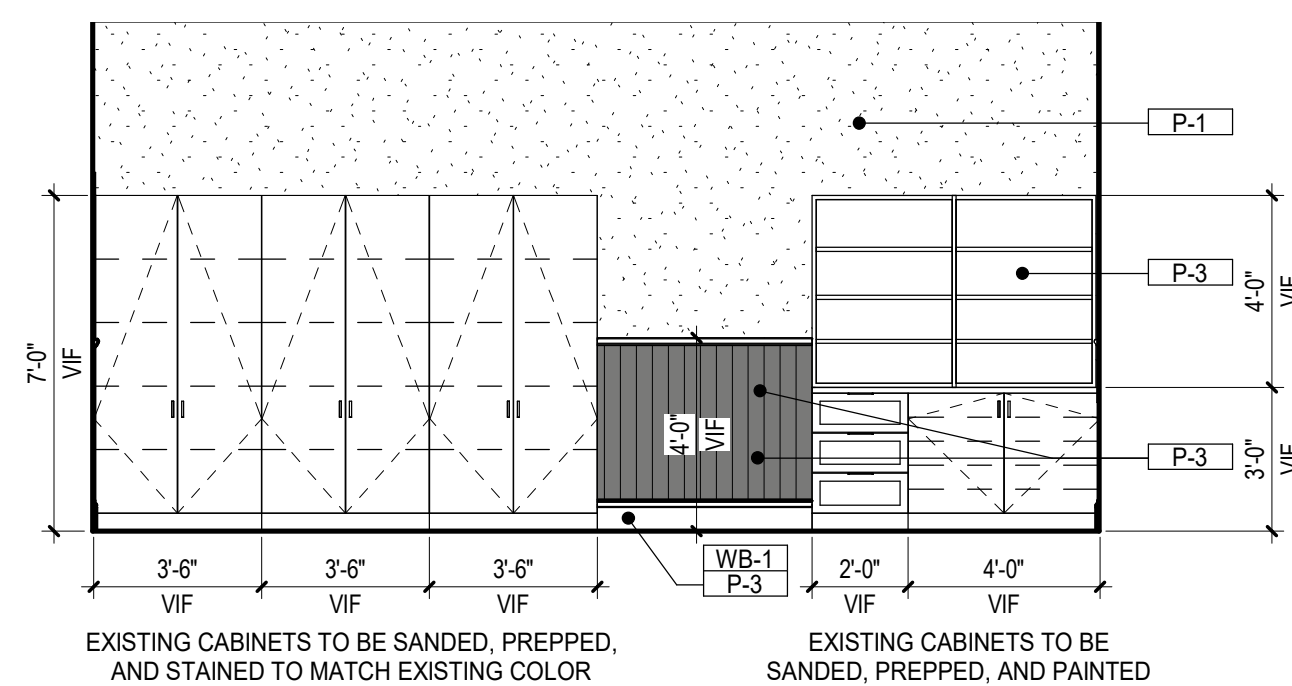
INTERIOR ELEVATIONS

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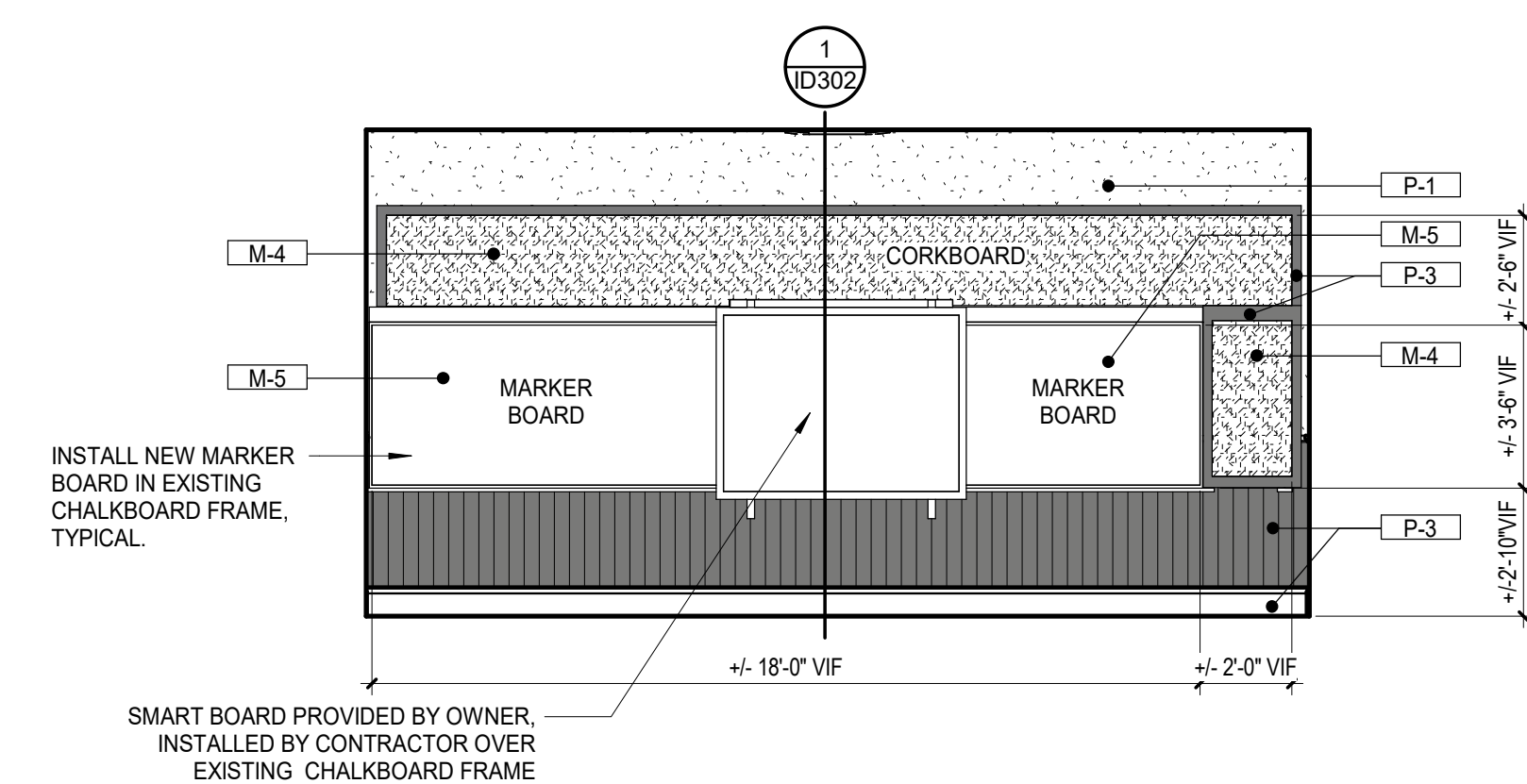
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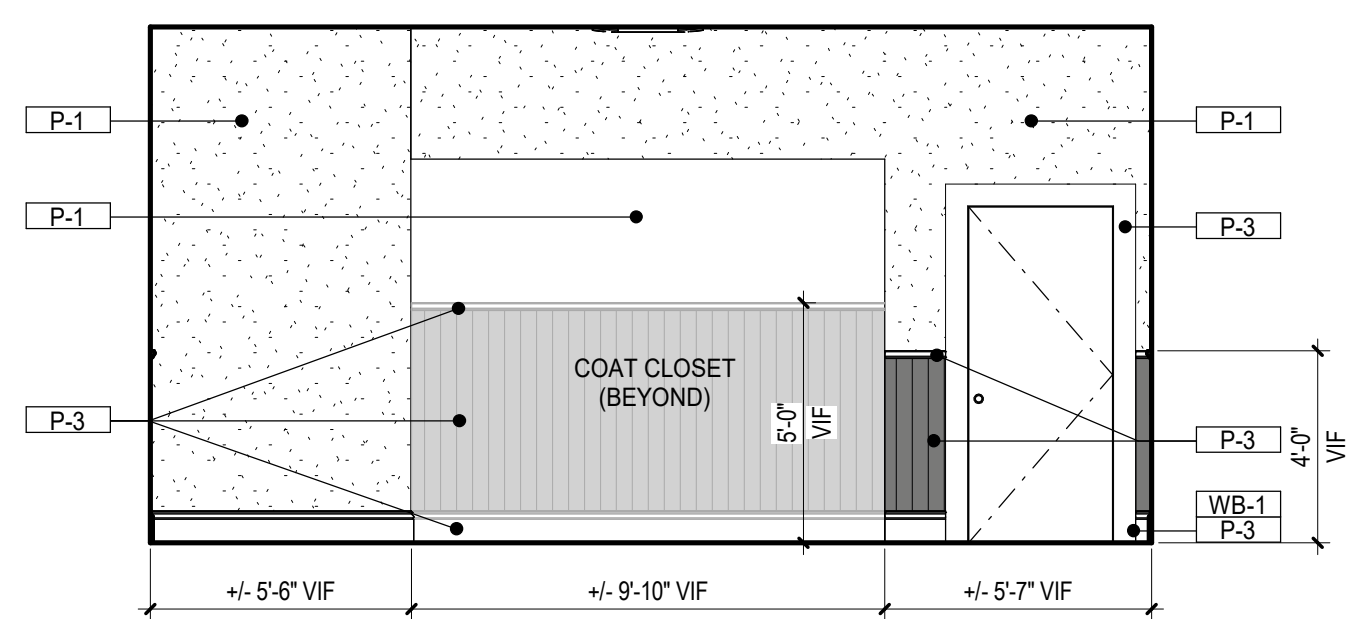
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1/4" = 1'-0"



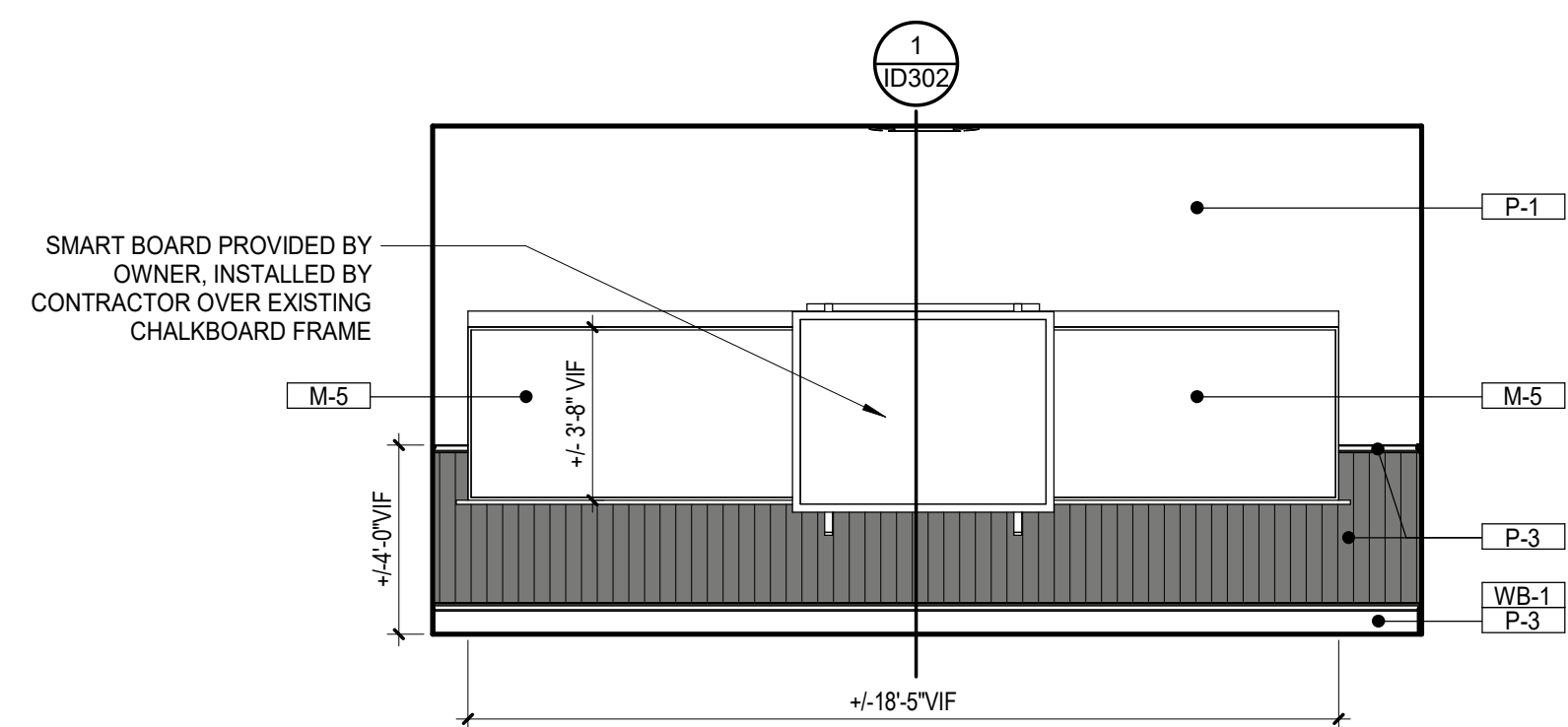
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1/4" = 1'-0"



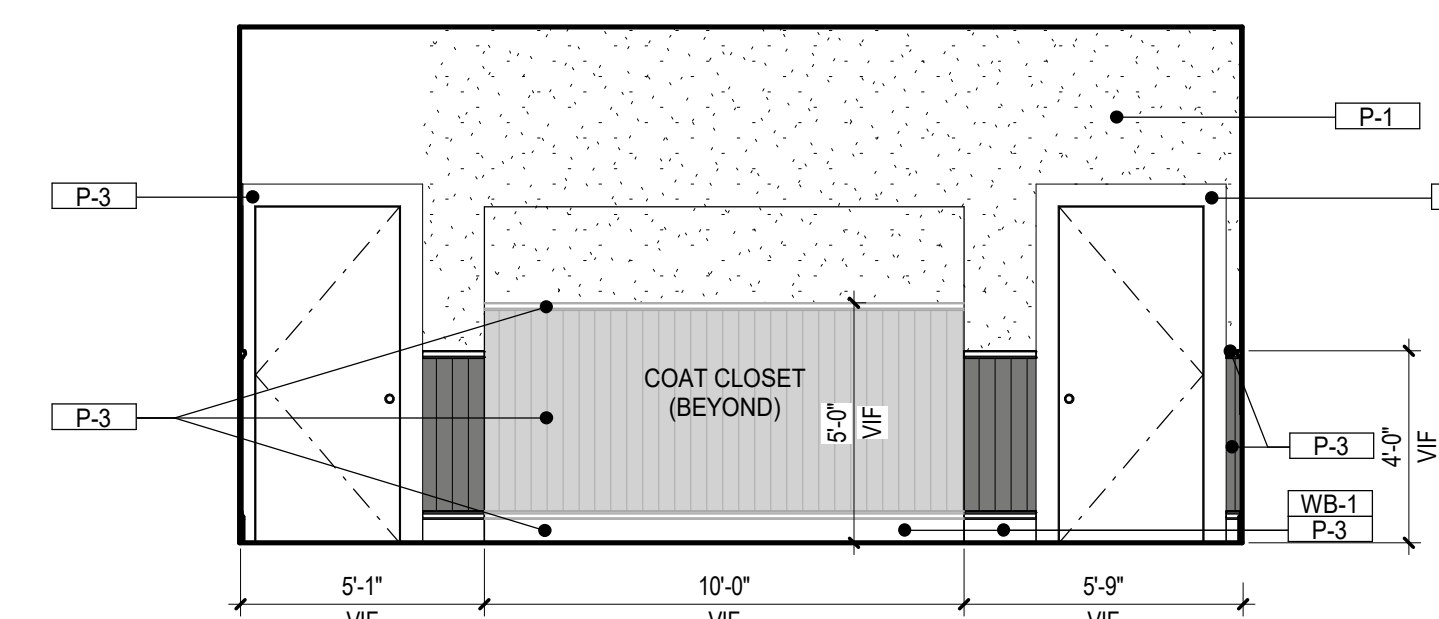
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1/4" = 1'-0"



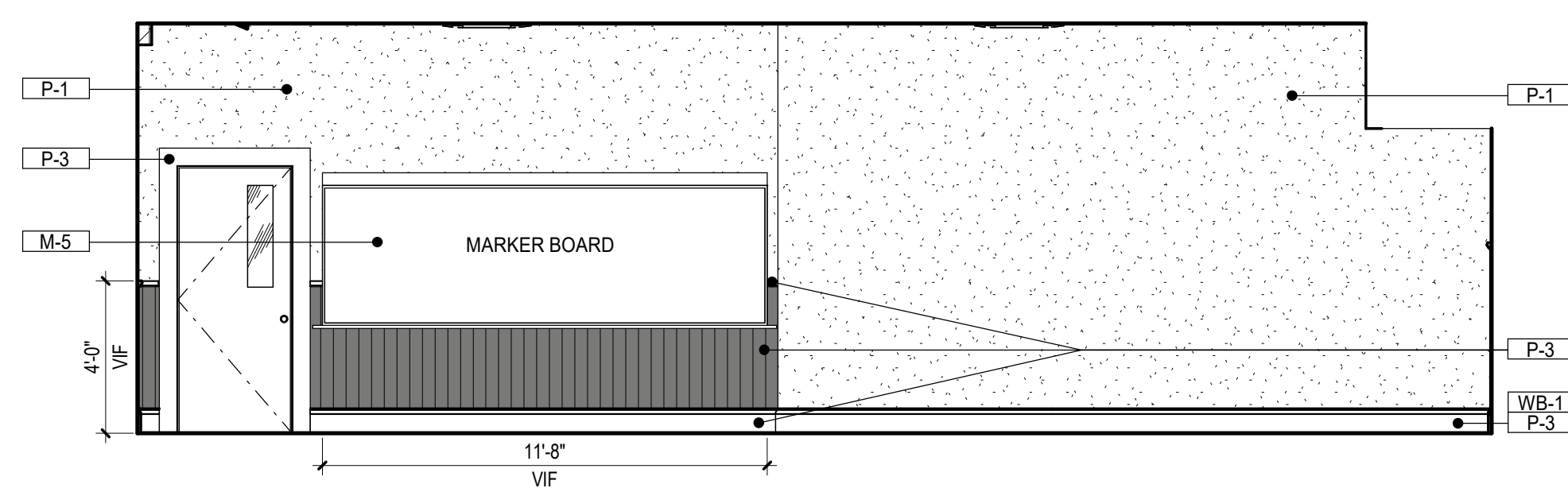
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1/4" = 1'-0"



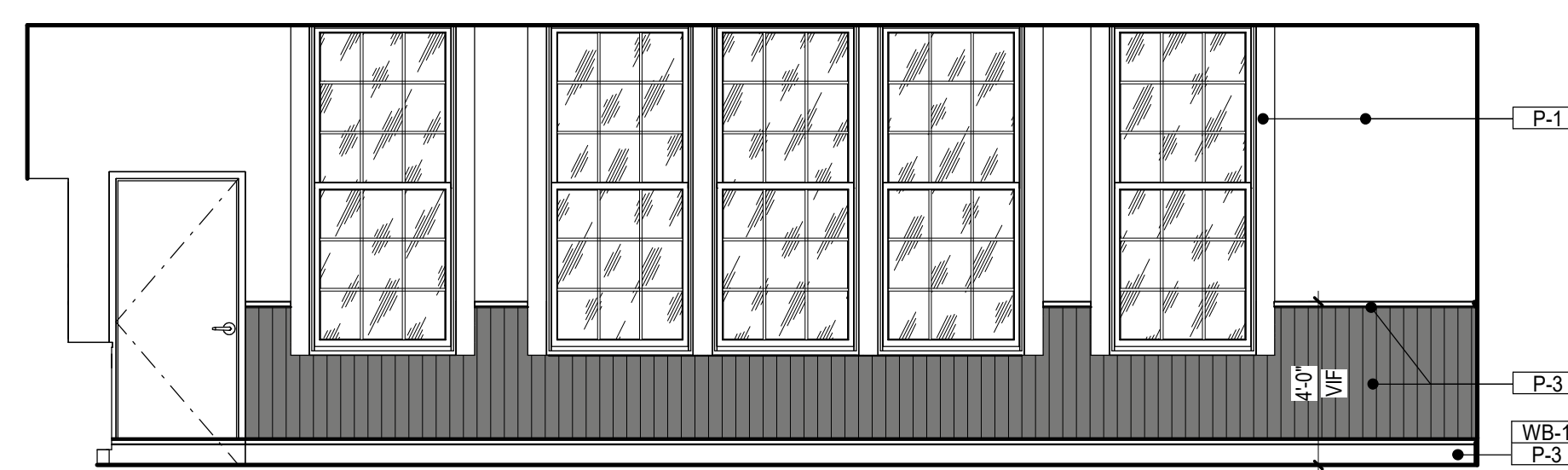
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1/4" = 1'-0"



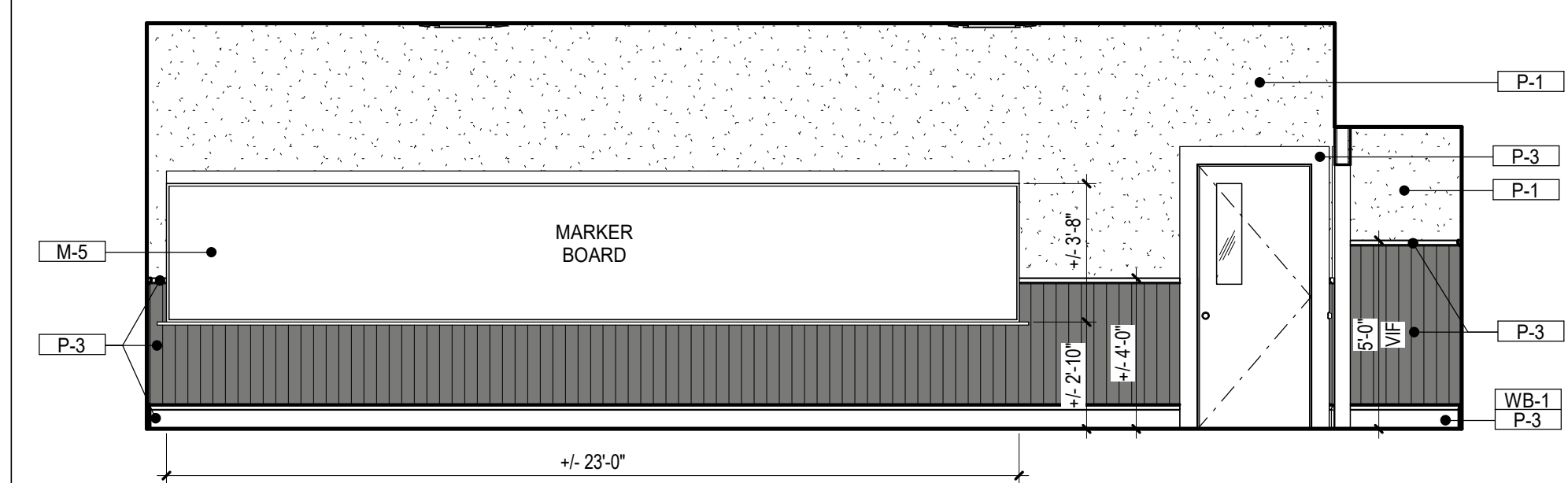
6 CLASSROOM 208 - SOUTH
1/4" = 1'-0"



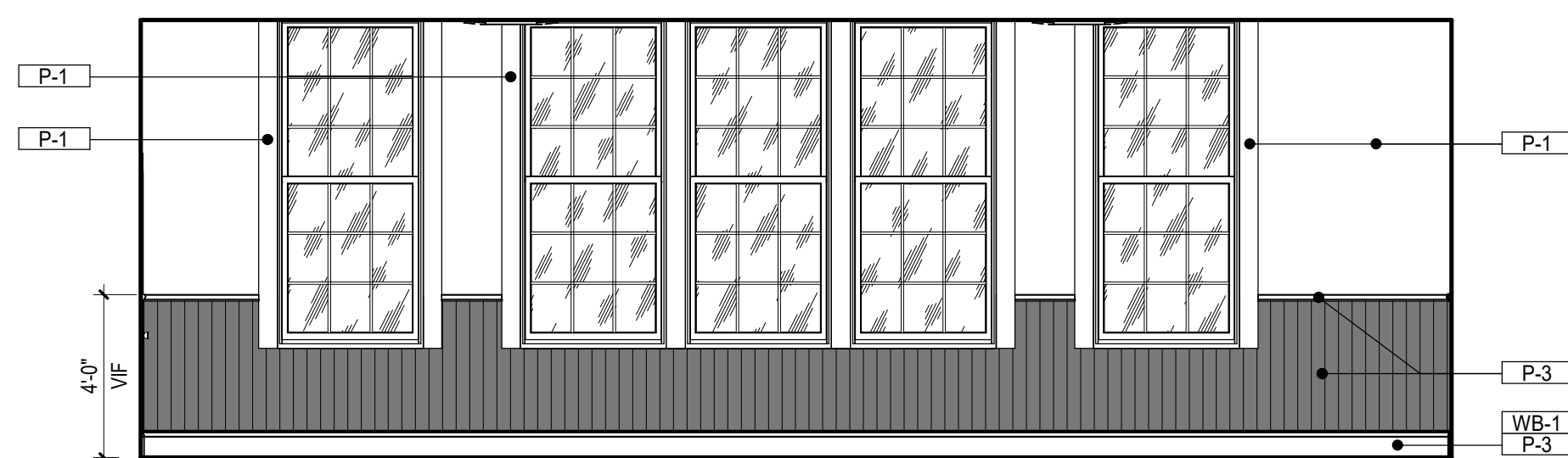
7 CLASSROOM 204 - EAST
1/4" = 1'-0"



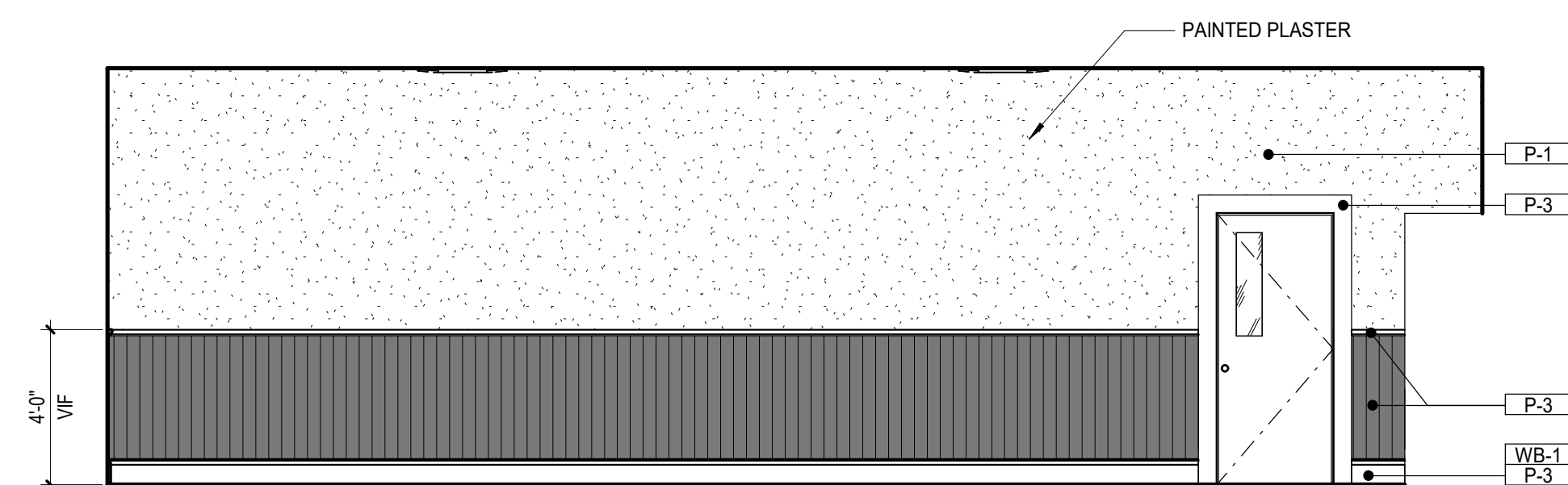
8 CLASSROOM 205 - EAST
1/4" = 1'-0"



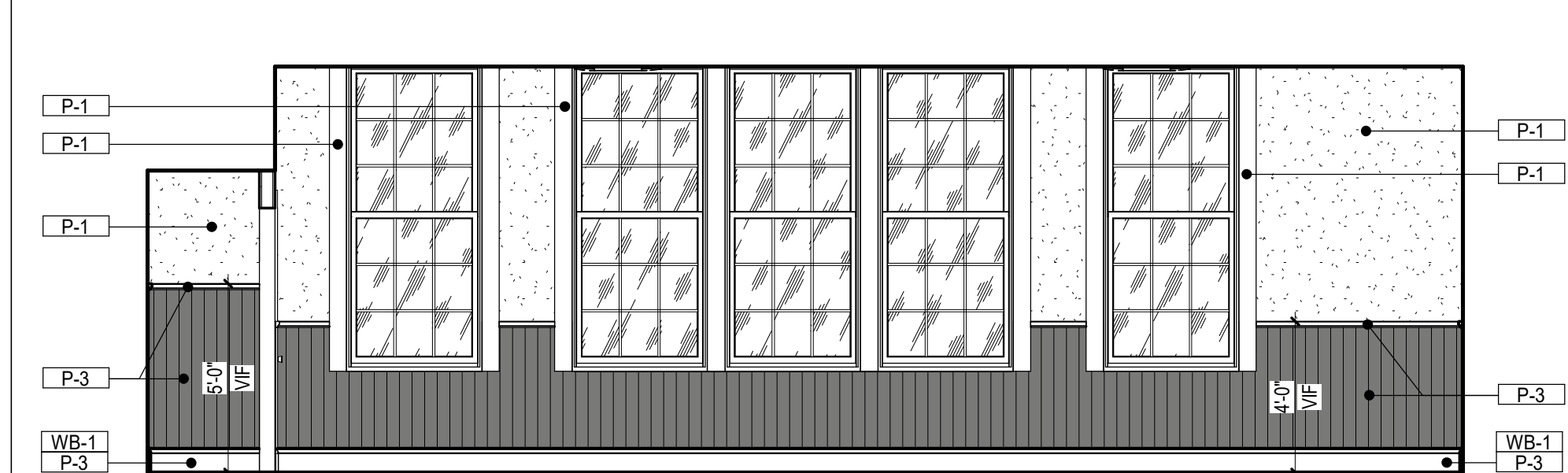
9 CLASSROOM 208 - EAST
1/4" = 1'-0"



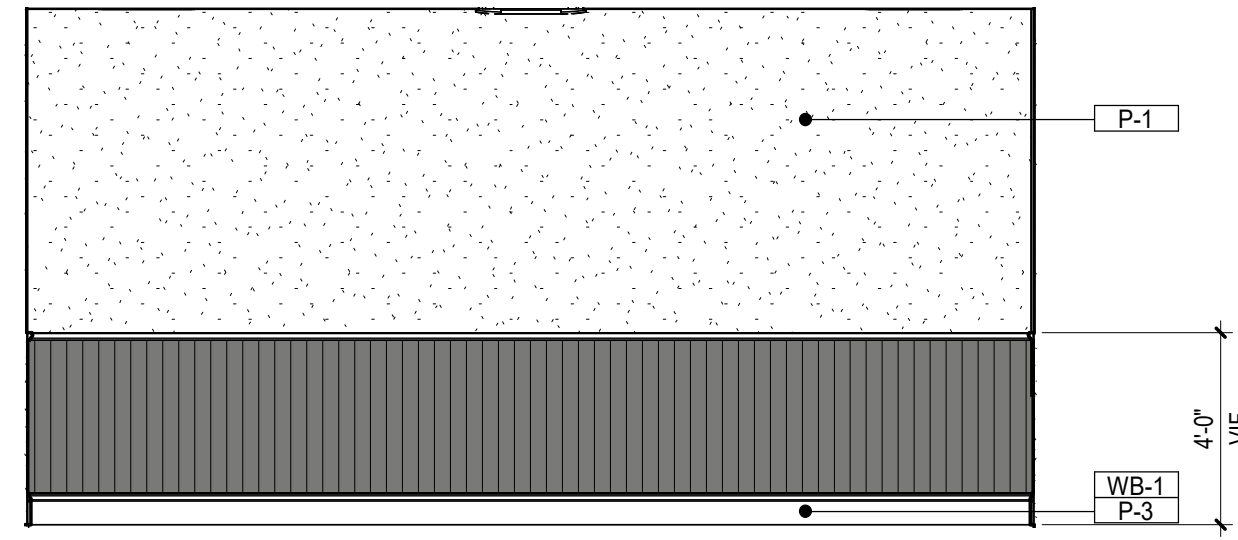
10 CLASSROOM 204 - WEST
1/4" = 1'-0"



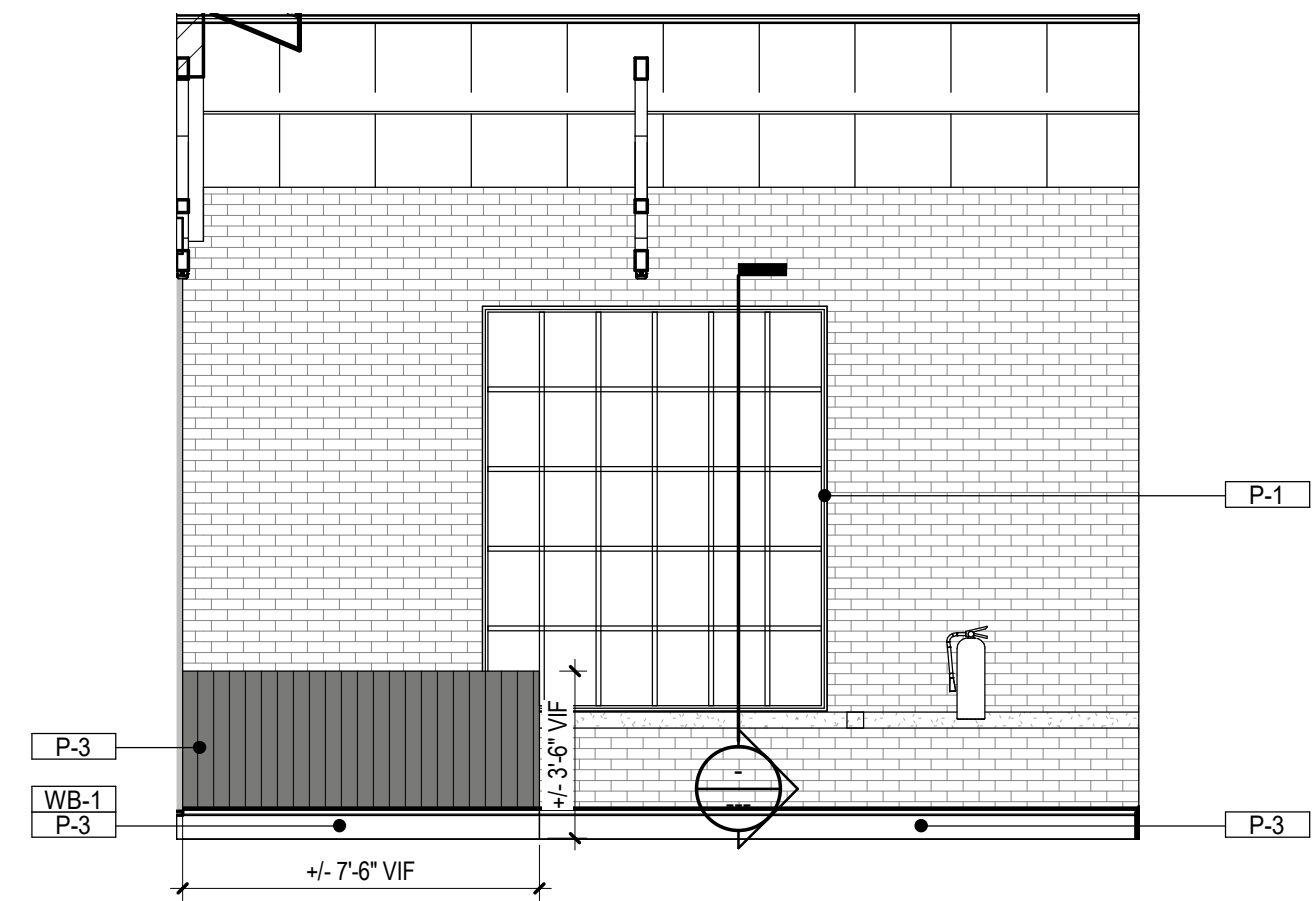
11 CLASSROOM 205 - WEST
1/4" = 1'-0"



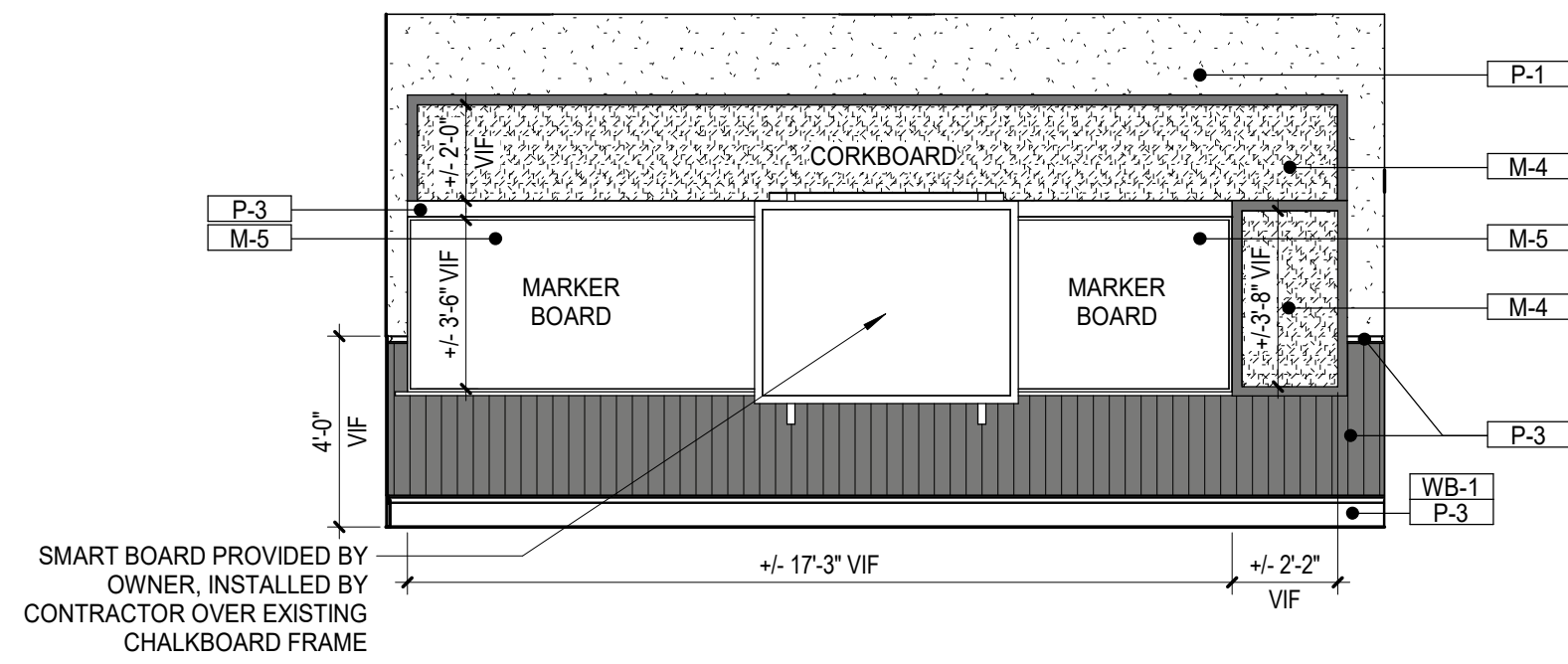
12 CLASSROOM 208 - WEST
1/4" = 1'-0"



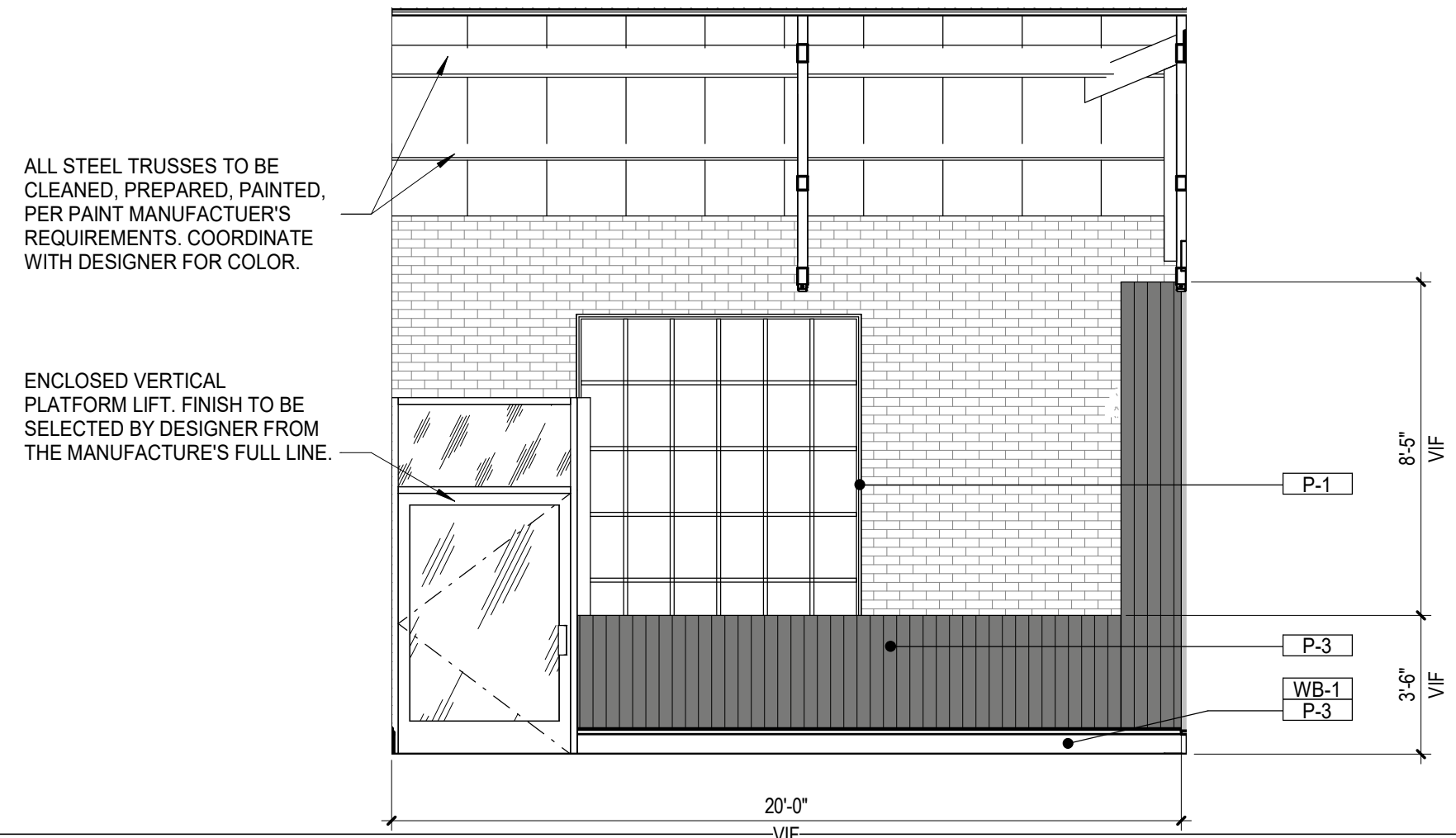
1 CLASSROOM 209 - NORTH
1/4" = 1'-0"



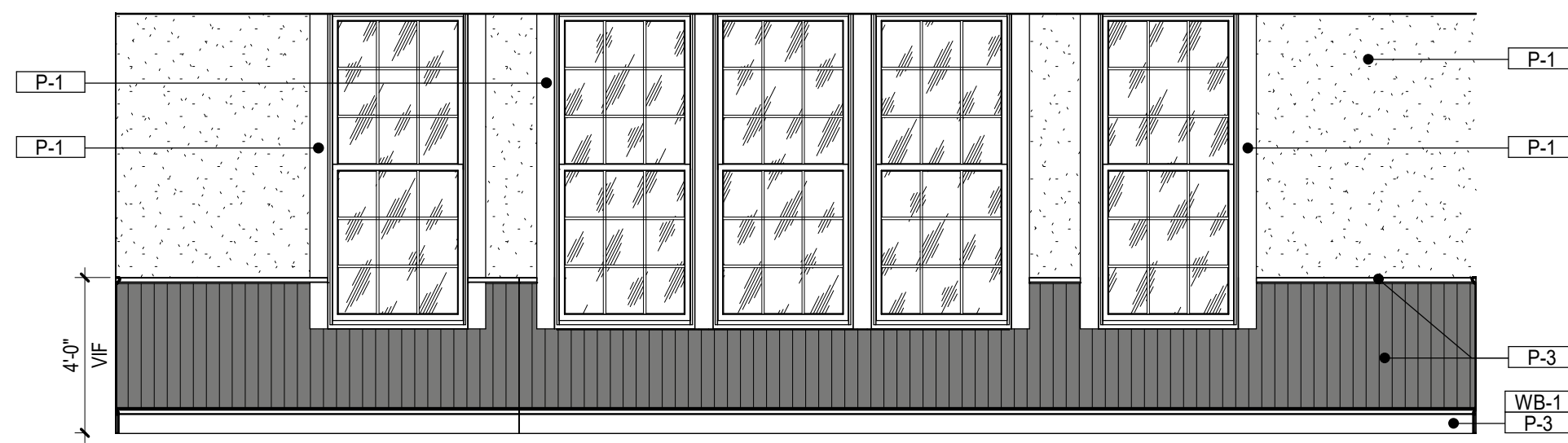
5 STAGE 207 - NORTH
1/4" = 1'-0"



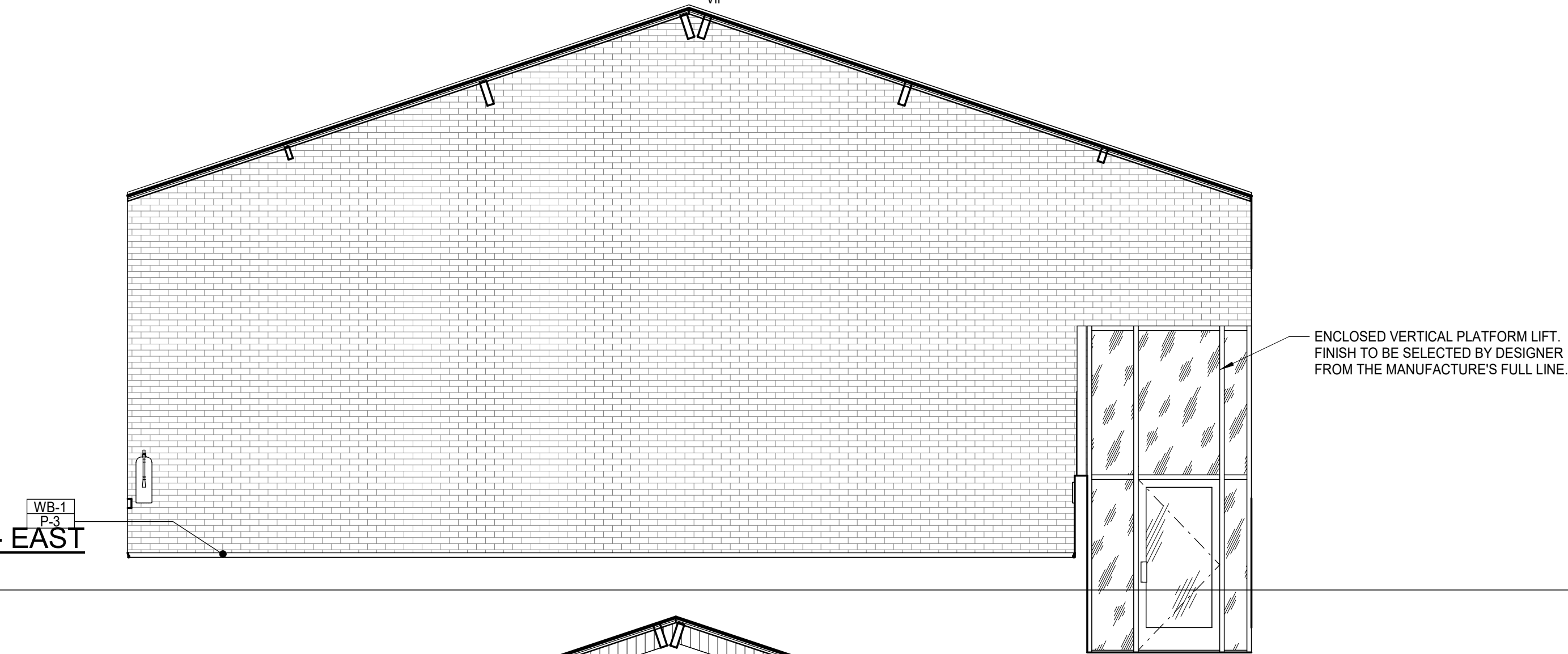
2 CLASSROOM 209 - SOUTH
1/4" = 1'-0"



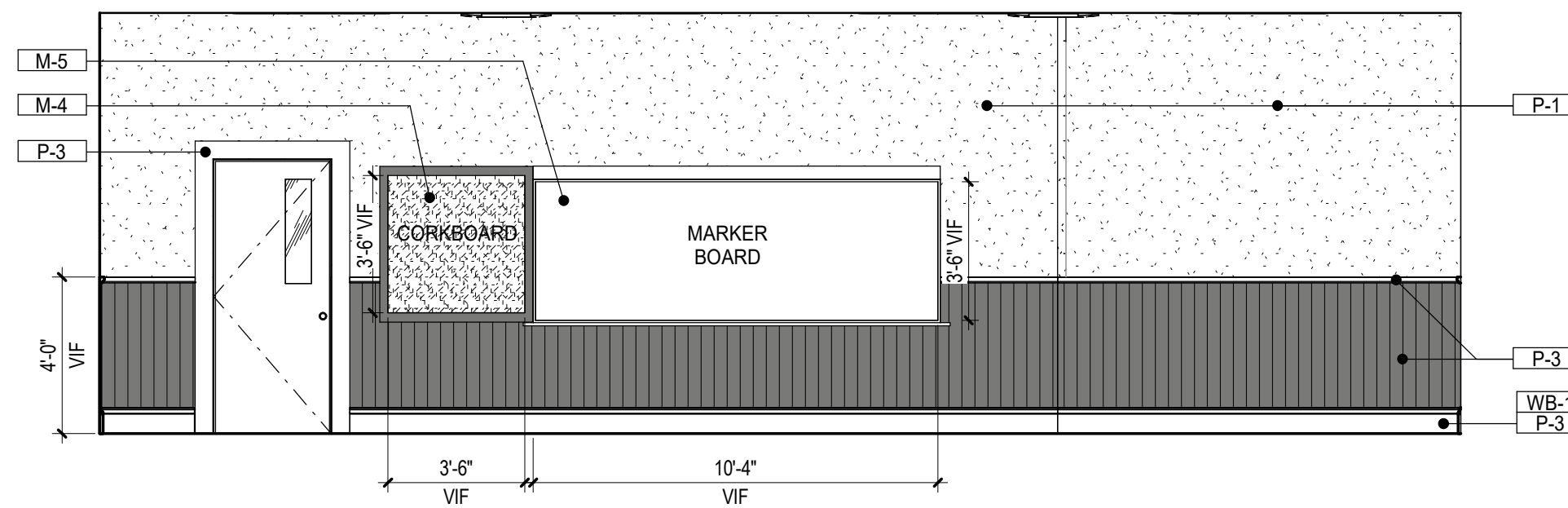
6 STAGE 207 - SOUTH
1/4" = 1'-0"



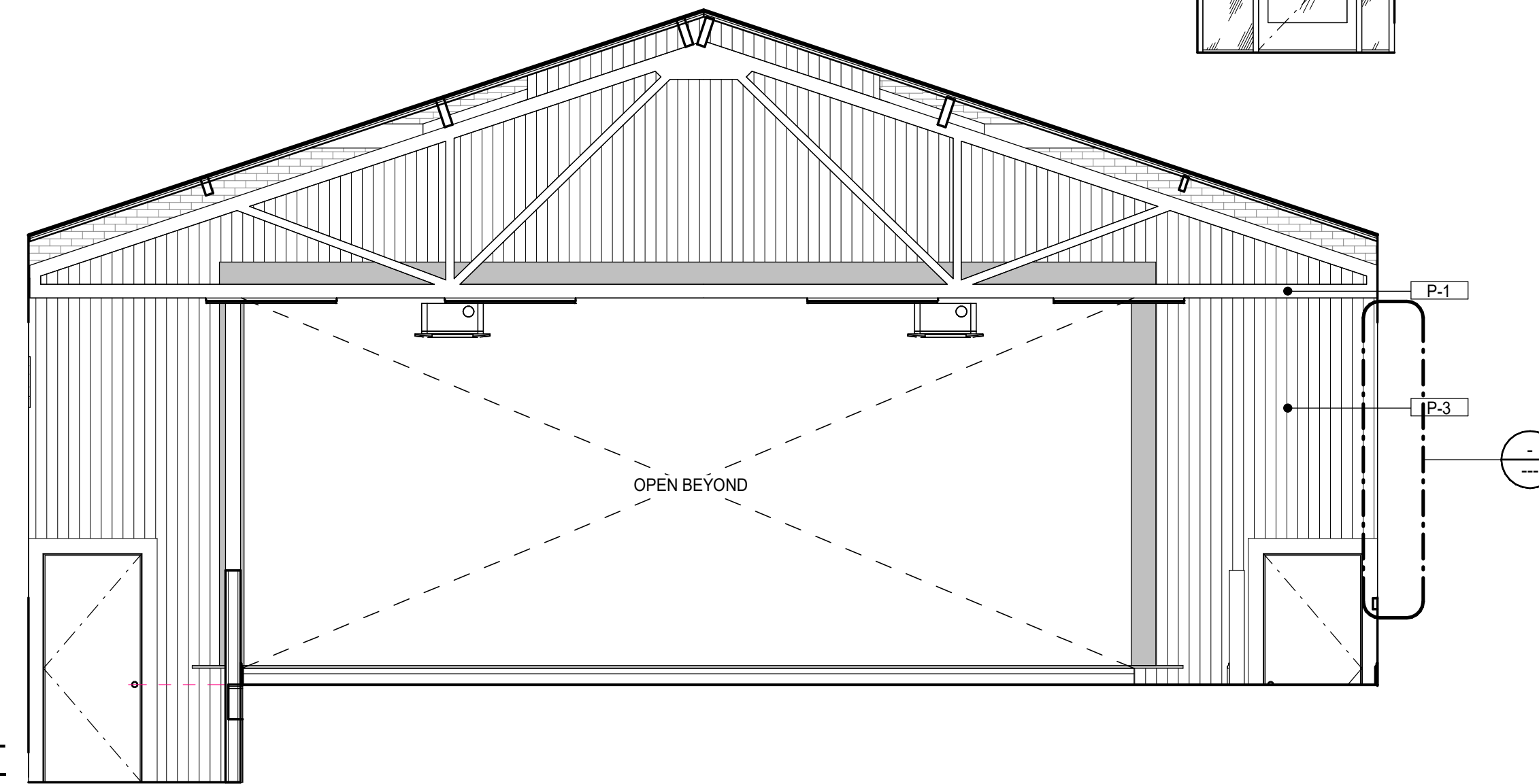
3 CLASSROOM 209 - EAST
1/4" = 1'-0"



7 STAGE 207 - EAST
1/4" = 1'-0"



4 CLASSROOM 209 - WEST
1/4" = 1'-0"



8 STAGE 207 - WEST
1/4" = 1'-0"



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

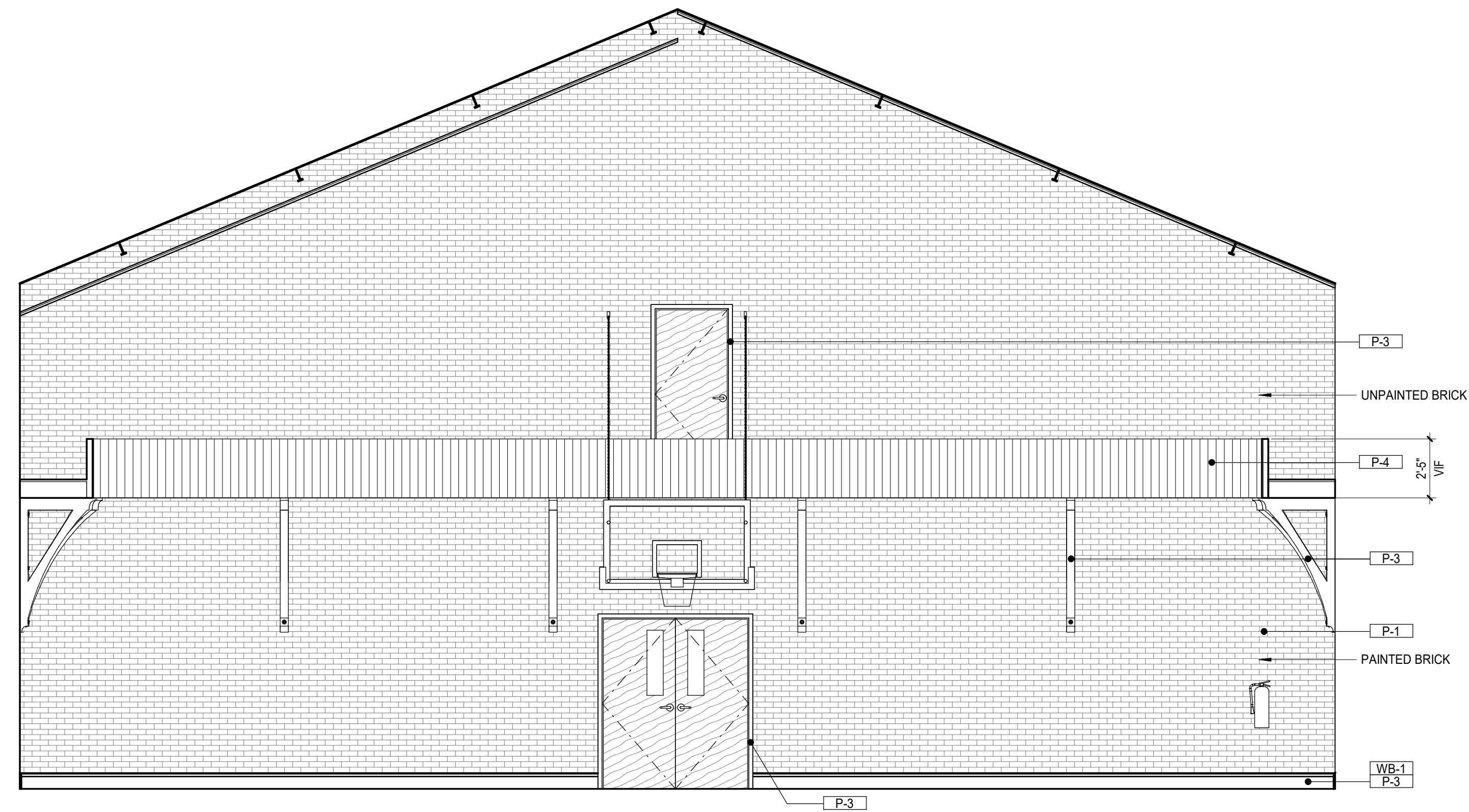
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

No.	Description	Date

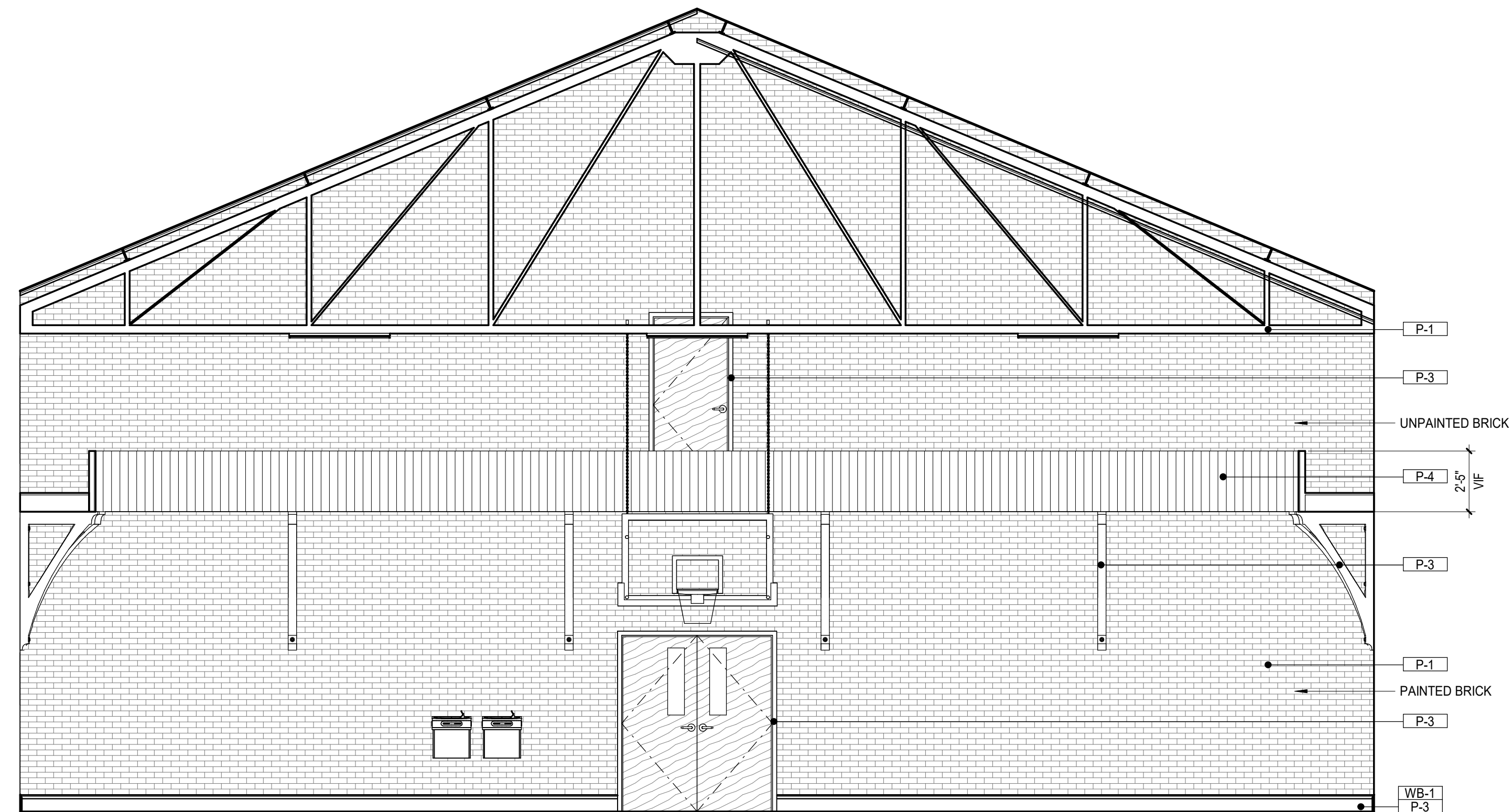
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PROJECT NO. 3221105

INTERIOR ELEVATIONS

sheet number
ID208



1 GYMNASIUM 206- NORTH
1/4" = 1'-0"



2 GYMNASIUM 206 - SOUTH
1/4" = 1'-0"



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HURRICANE REPAIRS (HL-060-03)**

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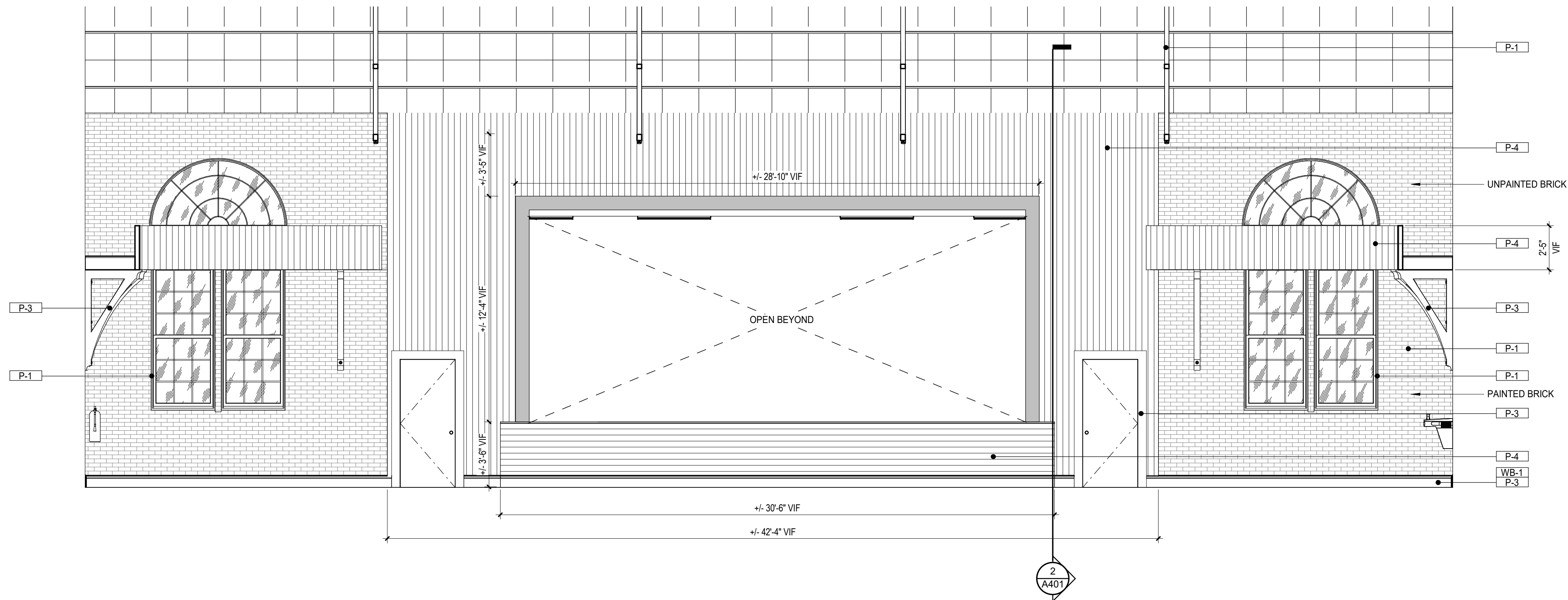
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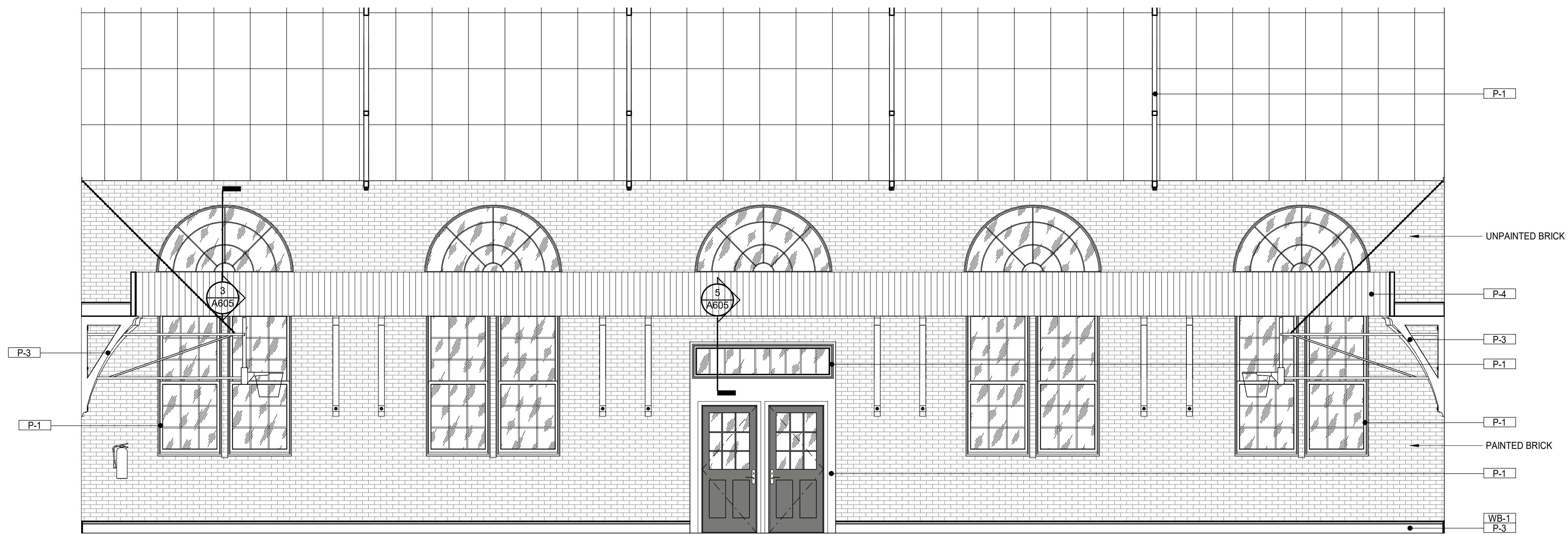
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1 GYMNASIUM 206 - EAST
1/4" = 1'-0"



2 GYMNASIUM 206 - WEST
1/4" = 1'-0"

J.I. WATSON HISTORICAL BUILDING -
HURRICANE REPAIRS (HL-060-03)

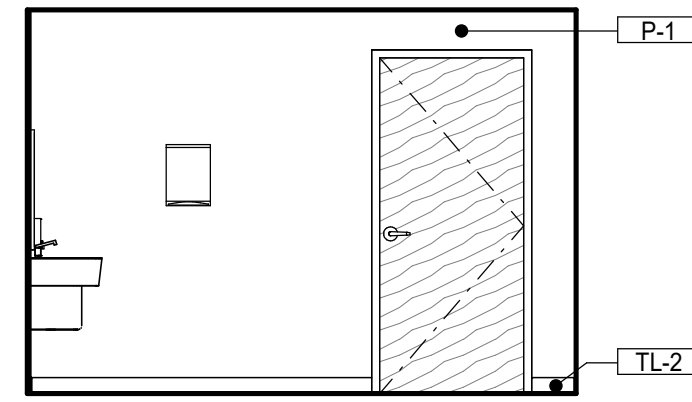
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

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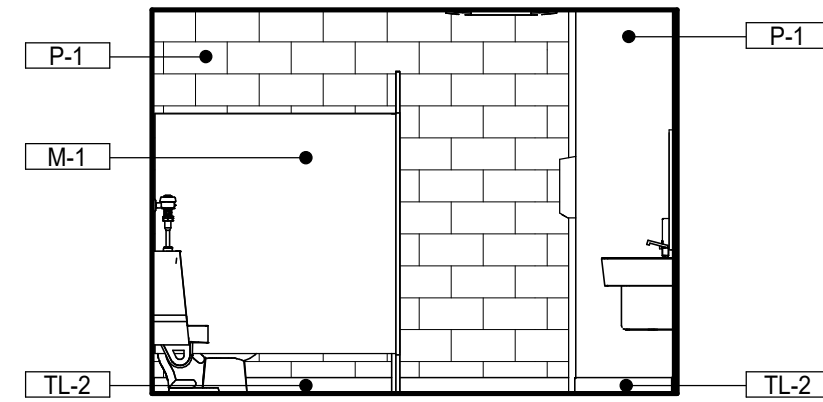
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INTERIOR ELEVATIONS

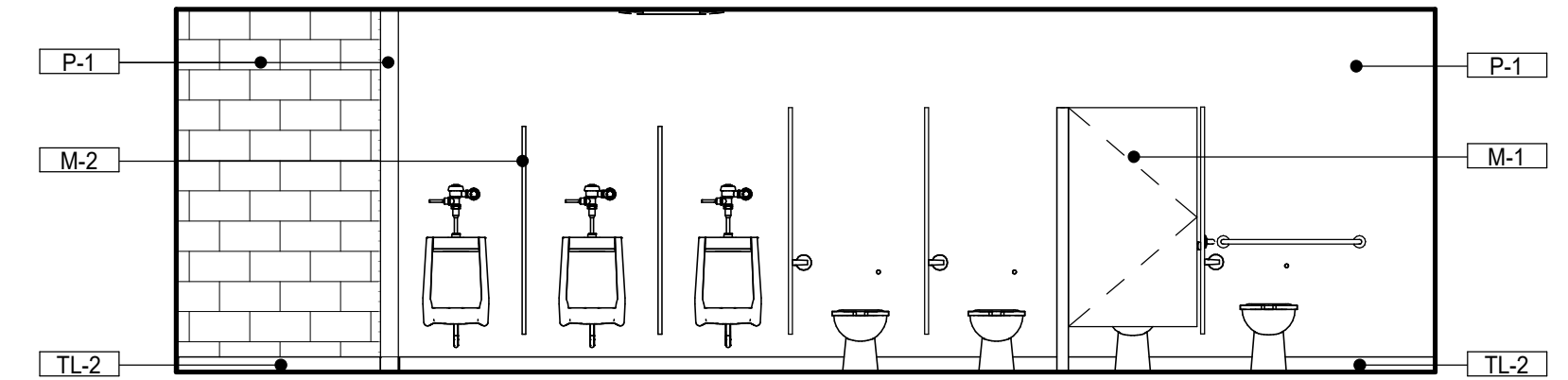
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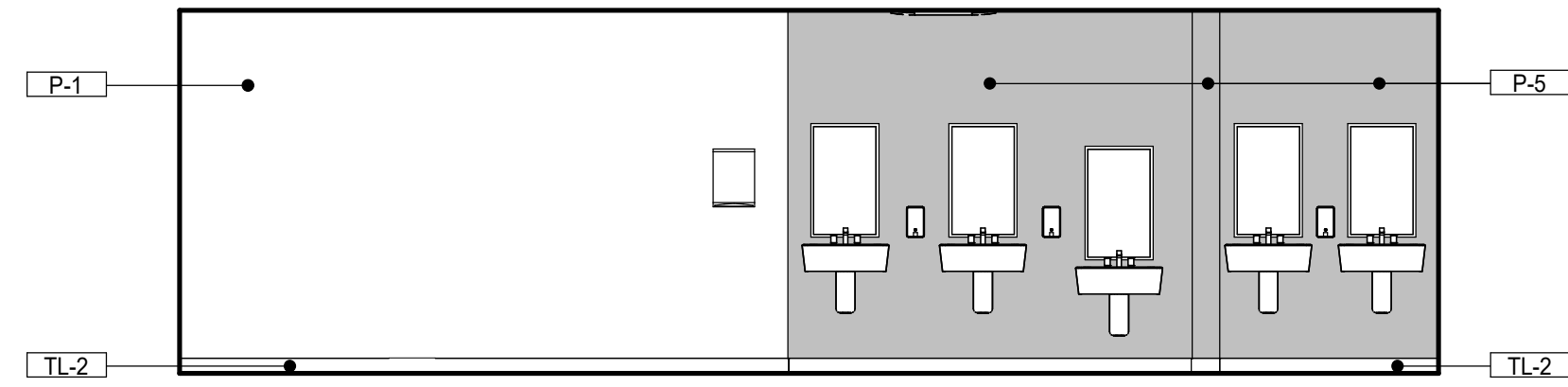
1 BOYS RESTROOM 109 - NORTH
1/4" = 1'-0"



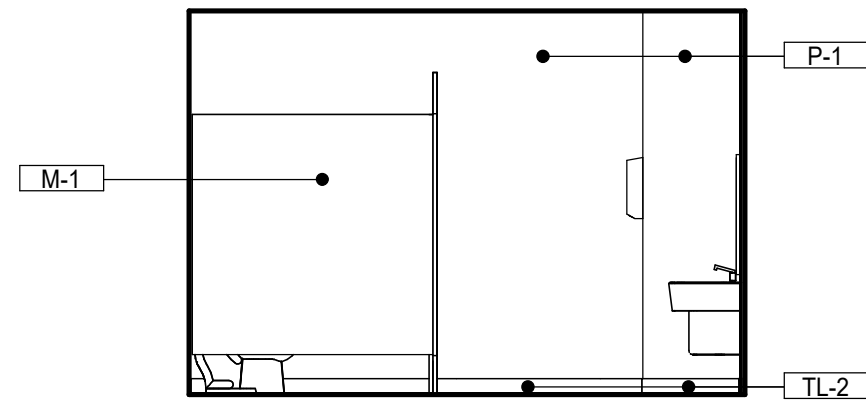
2 BOYS RESTROOM 109 - SOUTH
1/4" = 1'-0"



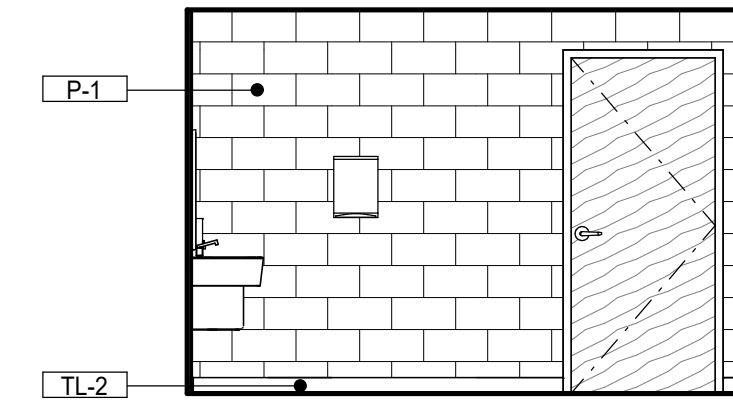
3 BOYS RESTROOM 109 - EAST
1/4" = 1'-0"



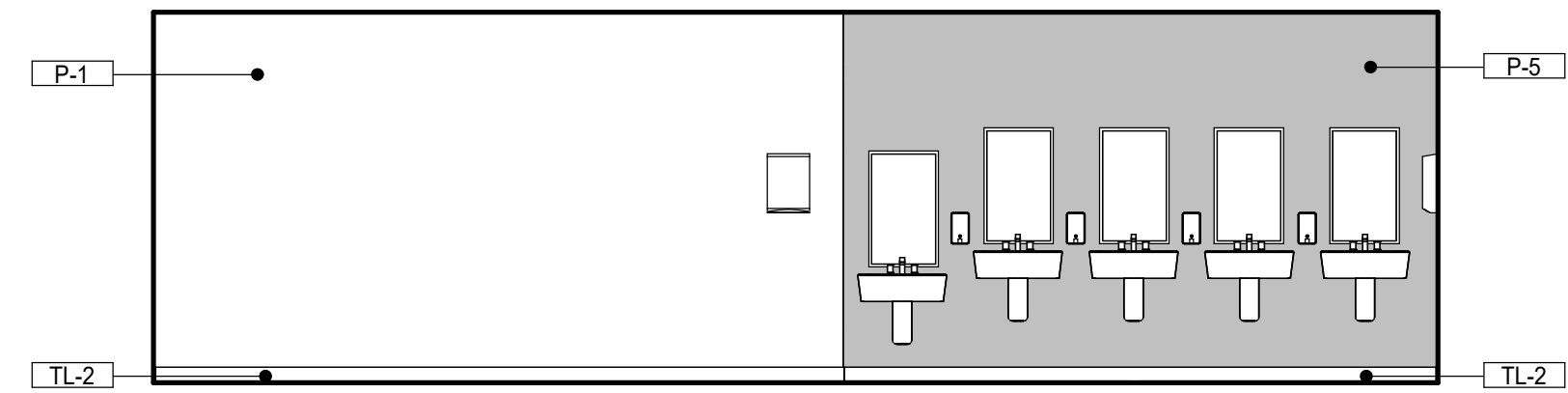
4 BOYS RESTROOM 109 - WEST
1/4" = 1'-0"



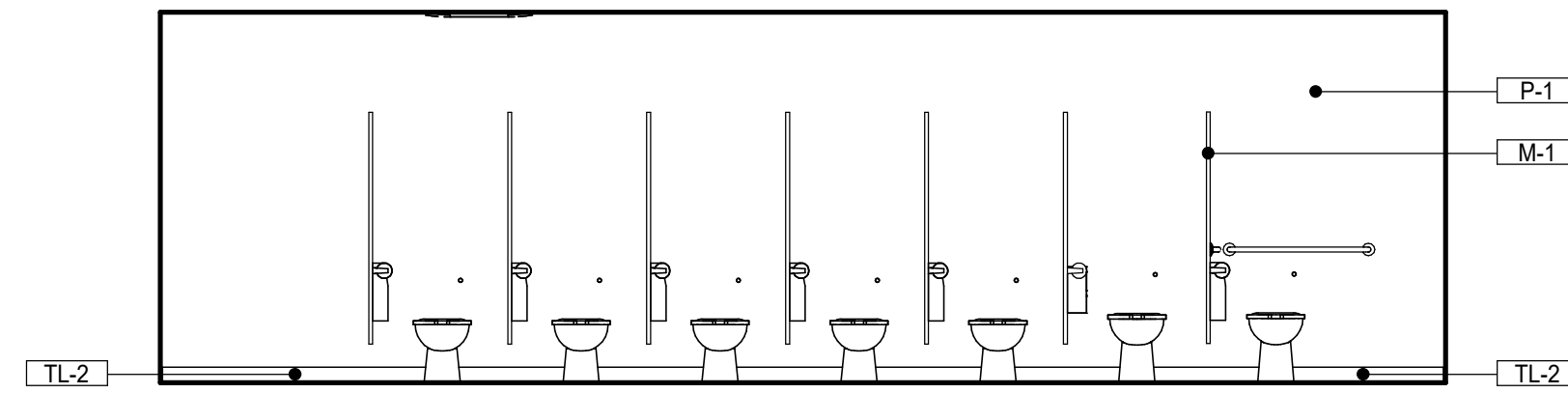
5 GIRLS RESTROOM 110 - NORTH
1/4" = 1'-0"



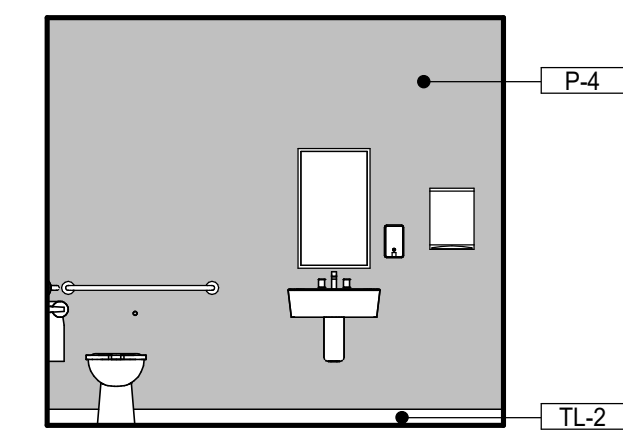
6 GIRLS RESTROOM 110 - SOUTH
1/4" = 1'-0"



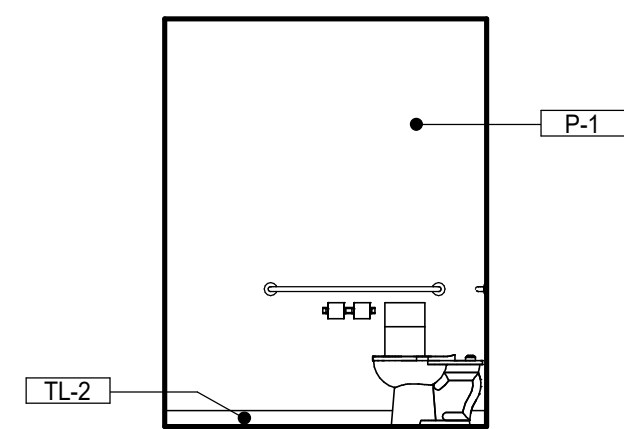
7 GIRLS RESTROOM 110 - EAST
1/4" = 1'-0"



8 GIRLS RESTROOM 110 - WEST
1/4" = 1'-0"



9 RESTROOM 114 - NORTH
1/4" = 1'-0"



10 RESTROOM 114 - WEST
1/4" = 1'-0"



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

CALCASIEU PARISH SCHOOL BOARD
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RESTROOM ELEVATIONS

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ID211



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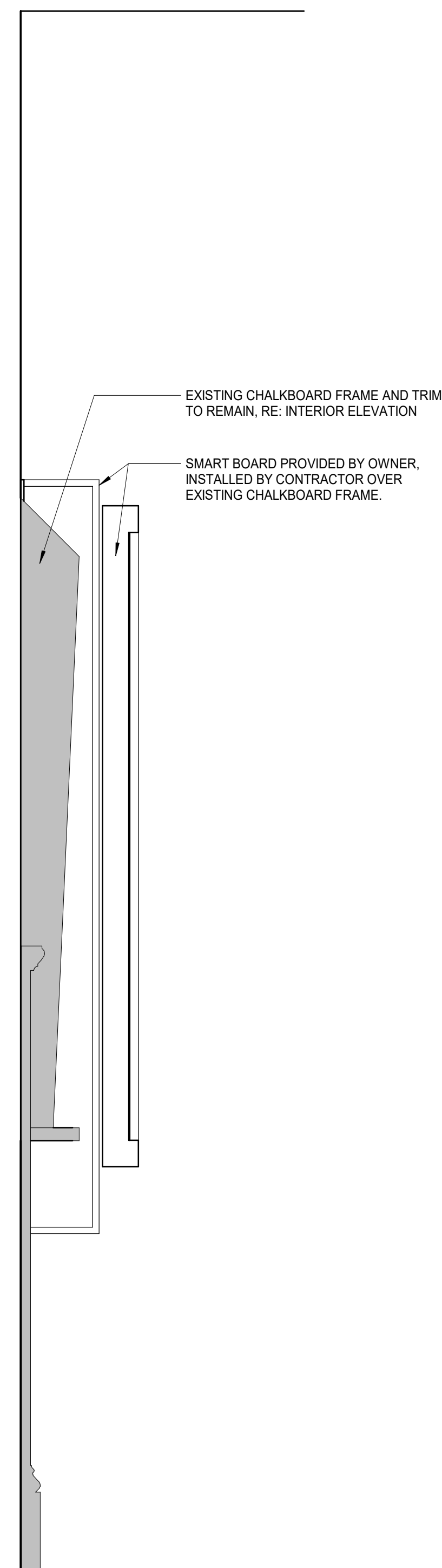
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INTERIOR DETAILS

sheet number

ID302



1 SMART BOARD MOUNTING DETAIL

1 1/2" = 1'-0"

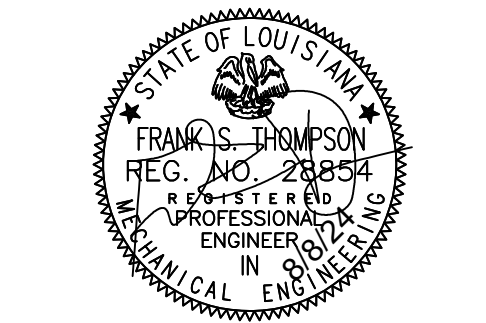


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DATE 08/08/2024
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MECHANICAL COVER SHEET

sheet number

M0.0

THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
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(225) 293-9474 TLA PROJECT #21-105
Frank Saville Thompson - License No. 28854
London David Burns - License No. 46484

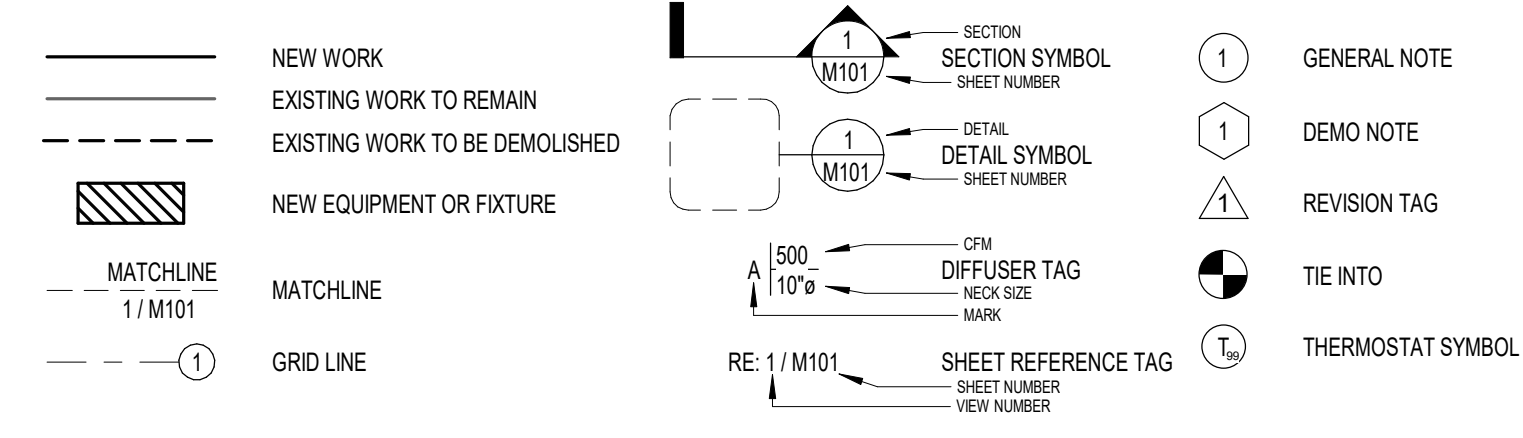
7 MECHANICAL NOTES

- 1 DUCTWORK DIMENSIONS GIVEN ARE METAL TO METAL
2 REFER TO DIFFUSER AND GRILLE SCHEDULE FOR BRANCH DUCT SIZE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
3 REFER TO MECHANICAL SCHEDULE SHEET FOR EQUIPMENT, DIFFUSER, AND GRILLE SCHEDULES
4 INSTALL TRANSITION DUCT FROM INLET AND OUTLET OF EQUIPMENT TO DUCT SIZE SHOWN ON PLANS; CONSULT EQUIPMENT MANUFACTURER FOR INLET AND OUTLET SIZE
5 ALL DUCT ELBOWS, BENDS, AND TEES SHALL BE PROVIDED WITH DOUBLE THICKNESS TURNING VANES OR RADIUS ELBOWS UNLESS SHOWN OR NOTED OTHERWISE. ELBOWS IN DISHWASHER, KITCHEN, AND LAUNDRY EXHAUST SHALL BE UNVANED SMOOTH RADIUS CONSTRUCTION WITH A RADIUS OF 1.5 TIMES THE WIDTH OF THE DUCT
6 REFER TO ELECTRICAL AND PLUMBING DRAWINGS FOR COORDINATION WITH MECHANICAL DRAWINGS. OFFSETS IN DUCTS, INCLUDING DIVIDED DUCTS AND TRANSITIONS AROUND OBSTRUCTIONS, SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER
7 EQUIPMENT SIZES AND SERVICE SPACE REQUIREMENTS VARY AMONG MANUFACTURERS; CONSULT MANUFACTURER DATA FOR SPACE REQUIREMENTS AND VERIFY SPACE ADEQUACY
8 DO NOT BLOCK TUBE PULL, FILTER PULL, COIL PULL, SAFETY OR SERVICE CLEARANCE SPACE ON EQUIPMENT WITH PIPING, DUCTWORK, ETC. FLANGED OR REMOVABLE SECTIONS MAY BE USED IN SOME INSTANCES WHERE TIGHT CLEARANCES EXIST, VERIFY WITH ARCHITECT IN SUCH CASE
9 REFER TO ARCHITECTURAL REFLECTIVE CEILING PLAN DRAWINGS FOR COORDINATION OF MECHANICAL ITEMS TO BE INSTALLED IN CEILING AND MAKE MINOR DUCT MODIFICATIONS TO SUIT
10 PROVIDE ESCUTCHEONS AT ALL EXPOSED LOCATIONS WHERE PIPE PENETRATES WALL
11 ROOM NUMBERS AND NAMES ON THE CONSTRUCTION DOCUMENTS ARE FOR CONSTRUCTION PURPOSES ONLY AND CAN CHANGE DURING CONSTRUCTION. OBTAIN FINAL ROOM NUMBERS AND NAMES FROM THE ARCHITECT
12 WHERE CONCEALED BY INACCESSIBLE FINISHES, PROVIDE ACCESS DOORS TO ALL VALVE BOXES, VALVES, DUCT STATIC PRESSURE SENSORS, MANUAL VOLUME DAMPERS, FIRE DAMPERS, FIRE/SMOKE CONTROLS, AIR VENTS, DRAIN CONNECTIONS AND ALL OTHER ITEMS REQUIRING PERIODIC MAINTENANCE, OPERATION OR ADJUSTMENT. ACCESS DOORS ARE TO BE SIZED AND LOCATED FOR EASY PERFORMANCE OF THE FUNCTION INTENDED. COORDINATE LOCATION OF ACCESS DOORS WITH ALL TRADES AFFECTED
13 ALL EQUIPMENT INSTALLATIONS SHALL BE INSTALLED TO MEET THE INSTALLATION AND OPERATION REQUIREMENTS OF THE EQUIPMENT MANUFACTURER AND ALL CODES AND REGULATIONS IN EFFECT IN THE AREA WHERE WORK IS DONE
14 THE CONDENSATE DRAIN LINE SHALL NOT DECREASE IN SIZE FROM THE DRAIN PAN CONNECTION TO THE FLOOR DRAIN; ELEVATE UNIT TO ACCOMMODATE P-TRAP
15 ALL EQUIPMENT AND DEVICES TO BE FURNISHED AND INSTALLED PER THE REQUIREMENTS OF CONTRACT DRAWINGS, SPECIFICATIONS, MANUFACTURERS RECOMMENDATIONS, AND ACCORDING TO CODE
16 ALL EQUIPMENT TO BE TAGGED AND IDENTIFIED ACCORDING TO THE IDENTIFICATION NUMBER OR DESIGNATION ON THE MECHANICAL DRAWING EQUIPMENT SCHEDULES
17 ALL HVAC EQUIPMENT SHALL MEET THE REQUIREMENTS OF ASHRAE STANDARD 90.1-2004
18 CERTAIN ITEMS SUCH AS RISES AND DROPS IN DUCTWORK, ACCESS DOORS, VOLUME DAMPERS, ETC., ARE INDICATED ON THE CONTRACT DOCUMENT DRAWINGS FOR CLARITY FOR A SPECIFIC LOCATION REQUIREMENT AND SHALL NOTE BE INTERPRETED AS THE EXTENT OF THE REQUIREMENTS FOR THESE ITEMS
19 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, LOCATE ALL ROOM THERMOSTATS AND HUMIDISTATS 4'-0" (CENTERLINE) AFF. NOTIFY THE ENGINEER OF ANY ROOMS WHERE THE ABOVE LOCATION CANNOT BE MAINTAINED OR WHERE THERE IS A QUESTION ON LOCATION
20 ALL DUCTWORK SHALL CLEAR DOORS AND WINDOWS
21 ALL AIR HANDLING UNITS SHALL OPERATE WITHOUT MOISTURE CARROVER
22 PROVIDE FLEXIBLE CONNECTIONS IN ALL DUCTWORK SYSTEMS (SUPPLY, RETURN, AND EXHAUST) CONNECTED TO AIR HANDLING UNITS, FANS, AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AT THE POINT OF CONNECTION TO THE EQUIPMENT UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
23 UNLESS OTHERWISE NOTED, ALL DUCTWORK IS OVERHEAD, TIGHT TO UNDERSIDE OF THE STRUCTURE, WITH SPACE FOR INSULATION IF REQUIRED
24 RUNS OF FLEXIBLE DUCT SHALL NOT EXCEED 6 FEET
25 SMOKE DETECTORS SHALL BE FURNISHED AND WIRED BY THE ELECTRICAL CONTRACTOR. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR MOUNTING THE SMOKE DETECTOR IN DUCTWORK AS SHOWN ON THE DRAWINGS AND IN ACCORDANCE WITH MANUFACTURERS PRINTED INSTRUCTIONS
26 SEE SPECIFICATIONS FOR DUCTWORK GAUGES, BRACING, HANGERS, AND OTHER REQUIREMENTS
27 REFER TO HVAC SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

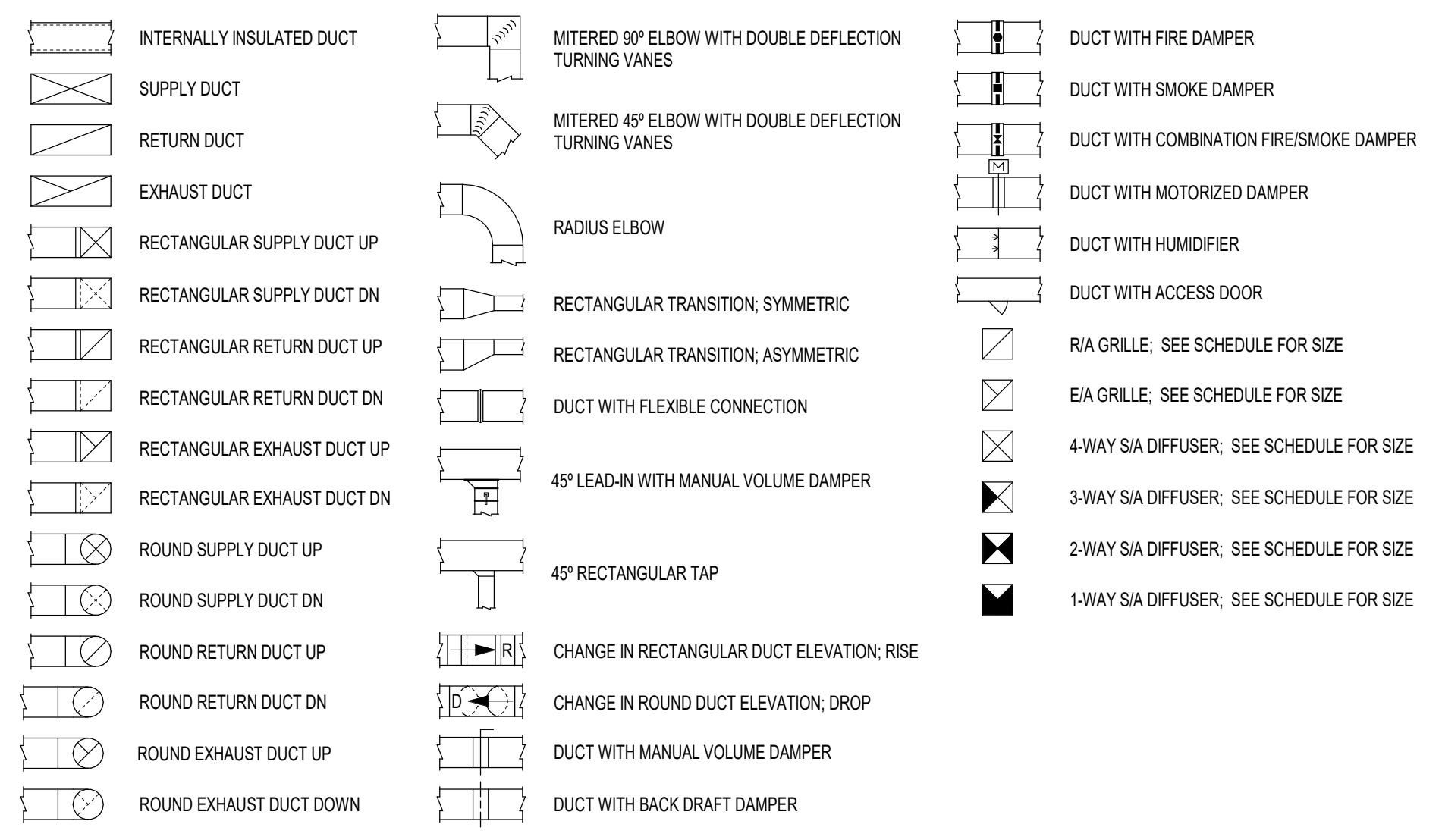
8 FIRE PROTECTION NOTES

- 1 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE FIRE PROTECTION SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND COMPLYING WITH THE STANDARDS OF THE NATIONAL FIRE PROTECTION ASSOCIATION AND ALL STATE AND LOCAL REGULATIONS
2 PROVIDE AN AUTOMATIC WET PIPE SPRINKLER SYSTEM THROUGHOUT THE ENTIRE BUILDING, COMPLETE IN ALL RESPECTS AND READY FOR OPERATION INCLUDING ALL TEST AND DRAIN LINES, PRESSURE GAUGES, HANGERS AND SUPPORTS, SIGNS, AND OTHER STANDARD APPURTENANCES. WIRING SHALL BE PROVIDED UNDER THE ELECTRICAL DIVISION.
3 SPRINKLER HEAD LAYOUT AND PIPING ARE SHOWN IN APPROXIMATE LOCATIONS; EXACT NUMBER OF HEADS REQUIRED, PIPING SIZES, ETC SHALL BE AS SUBMITTED IN THE SPRINKLER SHOP DRAWINGS AND HYDRAULIC CALCULATIONS SUBMITTAL TO THE STATE FIRE MARSHAL.
4 ALL SHUT-OFF VALVES IN SPRINKLER, STANDPIPE, AND COMBINED SYSTEMS SHALL BE APPROVED INDICATING TYPE.
5 COORDINATE SPRINKLER HEAD LOCATIONS WITH THE ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING ITEMS AND MAKE MINOR MODIFICATIONS TO SUIT.
6 SPRINKLERS INSTALLED IN CEILING OF FINISHED AREAS SHALL BE SYMMETRICAL IN RELATION TO CEILING SYSTEM COMPONENTS AND CENTERED IN THE CEILING TILE.
7 HVAC EQUIPMENT, SUPPLY DUCT, EXHAUST DUCT, AND PIPING SHALL HAVE PRECEDENCE IN DETERMINING EXACT HEIGHTS AND LOCATION FOR ALL SPRINKLER HEADS AND PIPING MAINS

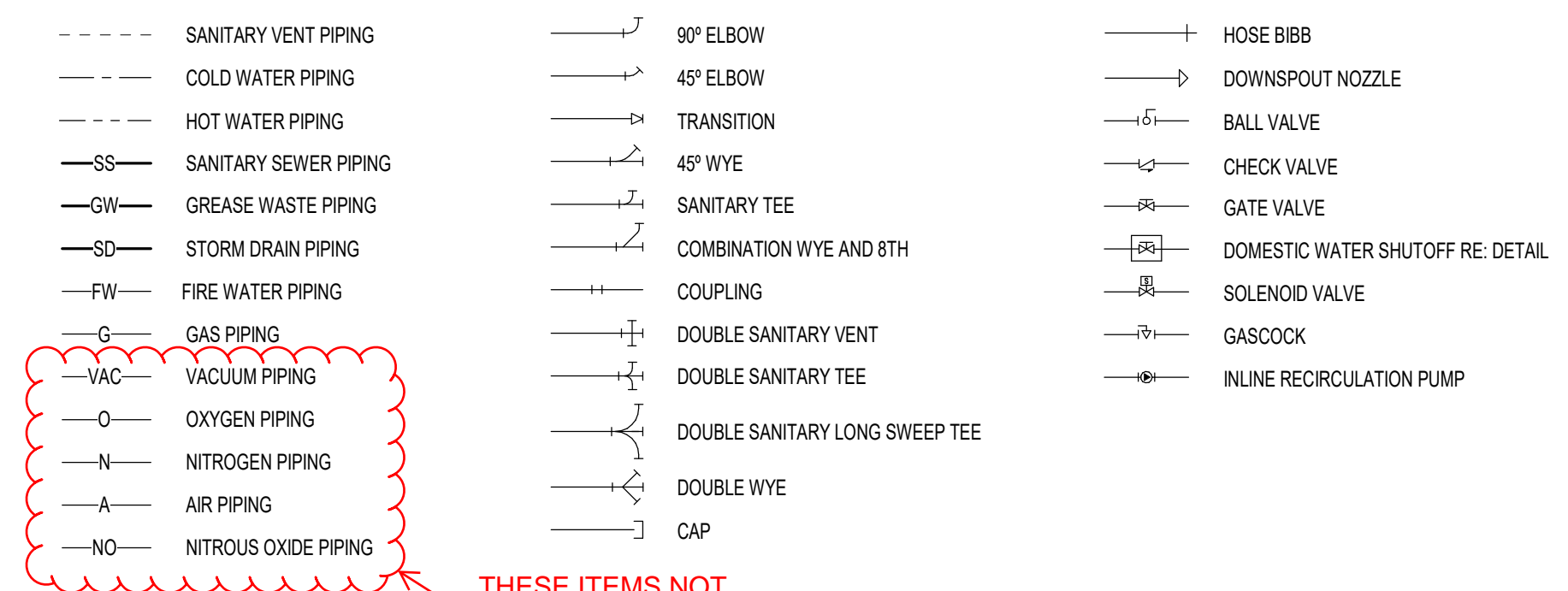
3 SYMBOL LEGEND



4 DUCTWORK LEGEND



5 PIPING LEGEND



6 FIRE PROTECTION LEGEND



1 GENERAL NOTES

- 1 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE MECHANICAL SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE
2 CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK (HVAC, PLUMBING AND FIRE PROTECTION) ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY
3 INSTALL ALL MECHANICAL EQUIPMENT AND APPURTENANCES IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND REGULATIONS
4 PROVIDE VIBRATION ISOLATION FOR ALL MECHANICAL EQUIPMENT TO PREVENT TRANSMISSION OF VIBRATION TO BUILDING STRUCTURE
5 THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES UNLESS OTHERWISE INDICATED
6 COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS
7 MAINTAIN A MINIMUM OF 6"-8" CLEARANCE TO UNDERSIDE OF PIPES, DUCTS, CONDUITS, SUSPENDED EQUIPMENT, ETC., THROUGHOUT ACCESS ROUTES IN MECHANICAL ROOMS
8 ALL TESTS SHALL BE COMPLETED BEFORE ANY MECHANICAL EQUIPMENT OR PIPING INSULATION IS APPLIED
9 LOCATE ALL TEMPERATURE PRESSURE AND FLOW MEASURING DEVICES IN ACCESSIBLE LOCATIONS WITH STRAIGHT SECTION OF PIPE OR DUCT UP- AND DOWN STREAM AS RECOMMENDED BY THE MANUFACTURER FOR GOOD ACCURACY
10 WHERE TWO OR MORE ITEMS OF THE SAME TYPE OF EQUIPMENT ARE REQUIRED, THE PRODUCT OF ONE MANUFACTURER SHALL BE USED
11 REINFORCEMENT, DETAILING, AND PLACEMENT OF CONCRETE SHALL CONFORM TO ASTM 315 AND ACI 318. CONCRETE SHALL CONFORM TO ASTM C94. CONCRETE WORK SHALL CONFORM TO AC318, PART ENTITLED "CONSTRUCTION REQUIREMENTS." COMPRESSIVE STRENGTH IN 28 DAYS SHALL BE 3,000 PSI. TOTAL AIR CONTENT OF EXTERIOR CONCRETE SHALL BE BETWEEN 5 AND 7 PERCENT BY VOLUME. SLUMP SHALL BE BETWEEN 3 AND 4 INCHES. CONCRETE SHALL BE CURED FOR 7 DAYS AFTER PLACEMENT.
12 COORDINATE ALL EQUIPMENT CONNECTION WITH MANUFACTURERS' CERTIFIED DRAWINGS. COORDINATE AND PROVIDE ALL DUCT AND PIPING TRANSITIONS REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT. FIELD VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
13 ALL CONTROL WIRE AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE AND DIVISION 16 OF THE SPECIFICATION.
14 MINIMUM CONCRETE PAD THICKNESS SHALL BE 4 INCHES. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 INCHES ON EACH SIDE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS.
15 LOCATIONS AND SIZES OF ALL FLOOR, WALL, AND ROOF OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
16 REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING, AND EQUIPMENT INSTALLATION

2 PLUMBING NOTES

- 1 PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED TO INSTALL COMPLETE AND OPERABLE PLUMBING SYSTEMS AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE
2 PROVIDE SHUT-OFF VALVES IN ALL DOMESTIC WATER PIPING SYSTEMS BRANCHES IN WHICH BRANCH PIPING SERVES TWO OR MORE FIXTURES
3 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, ALL DOMESTIC COLD AND HOT WATER PIPING SHALL BE SAME SIZE AS NOTED ON THE PLUMBING FIXTURE SCHEDULE
4 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, ALL PIPING IS OVERHEAD, TIGHT TO UNDERSIDE OF SLAB, WITH SPACE FOR INSULATION IF REQUIRED
5 INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE
6 WHERE DOMESTIC COLD AND HOT WATER PIPING DROPS INTO A PIPE CHASE, THE SIZE SHOWN FOR THE PIPE DROPS SHALL BE USED TO THE LAST FIXTURE UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS
7 INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING
8 ALL PIPING SHALL CLEAR DOORS AND WINDOWS
9 ALL PIPING SHALL GRADE TO LOW POINTS. PROVIDE HOSE END DRAIN VALVES AT THE BOTTOM OF ALL RISERS AND LOW POINTS
10 UNIONS AND/OR FLANGES SHALL BE INSTALLED AT EACH PIECE OF EQUIPMENT, IN BY-PASSES, AND IN LONG PIPING RUNS (100 FEET OR MORE) TO PERMIT DISASSEMBLY FOR ALTERATION AND REPAIRS
11 ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION
12 ALL VALVES (EXCEPT CONTROL VALVES) AND STRAINERS SHALL BE FULL SIZE OF PIPE BEFORE REDUCING SIZE TO MAKE CONNECTION TO EQUIPMENT AND CONTROLS
13 PROVIDE ALL PLUMBING FIXTURES AND EQUIPMENT WITH ACCESSIBLE STOPS
14 UNLESS OTHERWISE DIRECTED IN THESE DOCUMENTS, DRAINS SHALL BE INSTALLED AT THE LOW POINT OF ROOFS, AREAWAYS, FLOORS, ETC.
15 PROVIDE CLEANOUTS IN SANITARY AND STORM DRAINAGE SYSTEMS AT ENDS OF RUNS, AT CHANGES IN DIRECTION, NEAR THE BASE OF STACKS, EVERY 50 FEET IN HORIZONTAL RUNS AND ELSEWHERE AS INDICATED (EDIT HORIZONTAL CLEANOUT SPACING TO SUIT CODE AND PROJECT REQUIREMENTS)
16 ALL CLEANOUTS SHALL BE FULL SIZE OF PIPE FOR BUILDING DRAINS 6 INCHES AND SMALLER AND SHALL BE 6 INCHES FOR BUILDING DRAINS LARGER THAN 6 INCHES
17 ALL BALANCING VALVES AND BUTTERFLY VALVES SHALL BE PROVIDED WITH POSITION INDICATORS AND MAXIMUM ADJUSTABLE STOPS (MEMORY STOPS)
18 ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED
19 ALL PIPING WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN PIPING AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER
20 PROVIDE FLEXIBLE CONNECTIONS IN ALL PIPING SYSTEMS CONNECTED TO PUMPS AND OTHER EQUIPMENT WHICH REQUIRE VIBRATION ISOLATION. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AS CLOSE TO THE EQUIPMENT AS POSSIBLE OR AS INDICATED ON THE DRAWINGS

9 ABBREVIATIONS

Table with 4 columns of abbreviations: AAV AUTOMATIC AIR VENT, BTU BRITISH THERMAL UNIT, CONC CONCRETE, DN DOWN, EWC ELECTRIC WATER COOLER, FPI FINS PER INCH, LPC LOW PRESSURE CONDENSATE, MIN MINIMUM, RIA RETURN AIR, VD VOLUME DAMPER, ABV ABOVE, BTUHV BRITISH THERMAL UNIT/HOUR, CONT CONTINUATION, DP PRESSURE DROP, EWT ENTERING WATER TEMPERATURE, FPM FEET PER MINUTE, MOCp MAXIMUM OVERCURRENT PROTECTION, REF REFRIGERANT, VRV VARIABLE REFRIGERANT VOLUME, ACC AIR COOLED CHILLER, CAP CAPACITY, COP COEFFICIENT OF PERFORMANCE, DWG DRAWING, EXH EXHAUST, FA FREE AREA (SQUARE FEET), FT FEET, LWB LEAVING WET BULB TEMPERATURE, MUA MAKE-UP AIR UNIT, RLA RATED LOAD AMPS, VTR VENT THROUGH ROOF, AFR ABOVE FINISHED ROOF, CAV CONSTANT AIR VOLUME, CRAH COMPUTER ROOM AIR HANDLER, DX DIRECT EXPANSION, EA EACH, FC FLEXIBLE CONNECTION, GPM GALLONS PER MINUTE, MAX MAXIMUM, NC NORMALLY CLOSED, RPM REVOLUTIONS PER MINUTE, W WATTS, AHR ABOVE FINISHED ROOF, CC COOLING COIL, CV CONSTANT VOLUME, EA EXHAUST AIR, EFCU FAN COIL UNIT, HC HEATING COIL, NO NOT IN CONTRACT, RTU ROOFTOP UNIT, WB WET BULB, AHU AIR HANDLING UNIT, CD CONDENSATE DRAIN, CWR CHILLED WATER RETURN, EAT ENTERING AIR TEMPERATURE, FLA FULL LOAD AMPS, MCA MINIMUM CIRCUIT AMPACITY, WCC WATER COOLED CHILLER, A AMPS, CDWS CONDENSER WATER SUPPLY, CWS CHILLED WATER SUPPLY, EF EXHAUST FAN, FLA FULL LOAD AMPS, MFG MANUFACTURER, V VOLTS, ARCH ARCHITECTURAL, CDWR CONDENSER WATER RETURN, dB DECIBEL, FLT FILTER, LAT LEAVING AIR TEMPERATURE, MHP MOTOR HORSEPOWER, BDD BACKDRAFT DAMPER, CFM CUBIC FEET PER MINUTE, D6 DRY BULB, ELEC ELECTRICAL, ESP EXTERNAL STATIC PRESSURE, FBP FAN POWER BOX, QTY QUANTITY, MIA MINIMUM AIR VOLUME

ALL SYMBOLS, ABBREVIATIONS, AND NOTES ABOVE ARE TYPICAL AND ARE NOT NECESSARILY USED IN THESE CONSTRUCTION DOCUMENTS

MECHANICAL/PLUMBING SHEET INDEX table with columns SHEET NUMBER and SHEET NAME. Rows include M0.0 MECHANICAL COVER SHEET, M0.1 HVAC DEMOLITION PLANS, M1.1 HVAC PLANS, M2.0 HVAC SCHEDULES, M2.1 HVAC SCHEDULES CONTINUED, M2.2 HVAC DETAILS, M2.3 HVAC DETAILS, P0.1 UTILITY DEMOLITION PLANS, P0.2 PLUMBING DEMOLITION PLANS, P1.0 UTILITY PLANS, P1.2 PLUMBING PLANS, P2.0 PLUMBING SCHEDULES, P2.1 PLUMBING DETAILS, P2.2 PLUMBING DETAILS

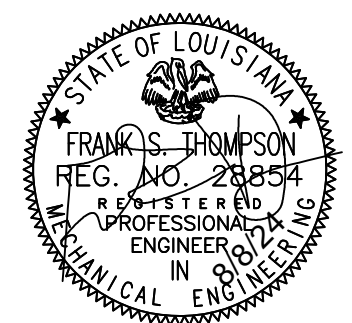


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CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647



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PROJECT NO. 3221105

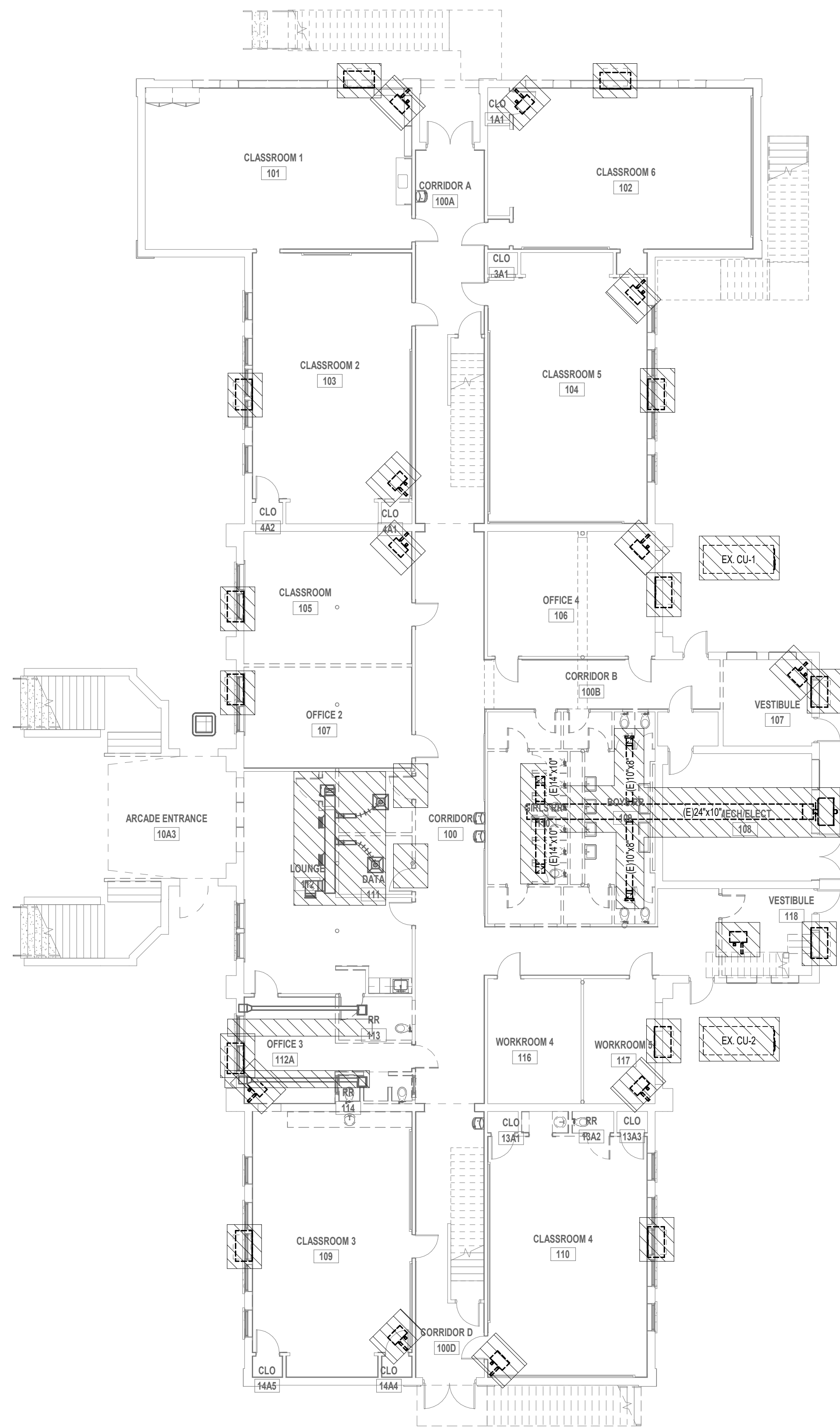
HVAC DEMOLITION PLANS

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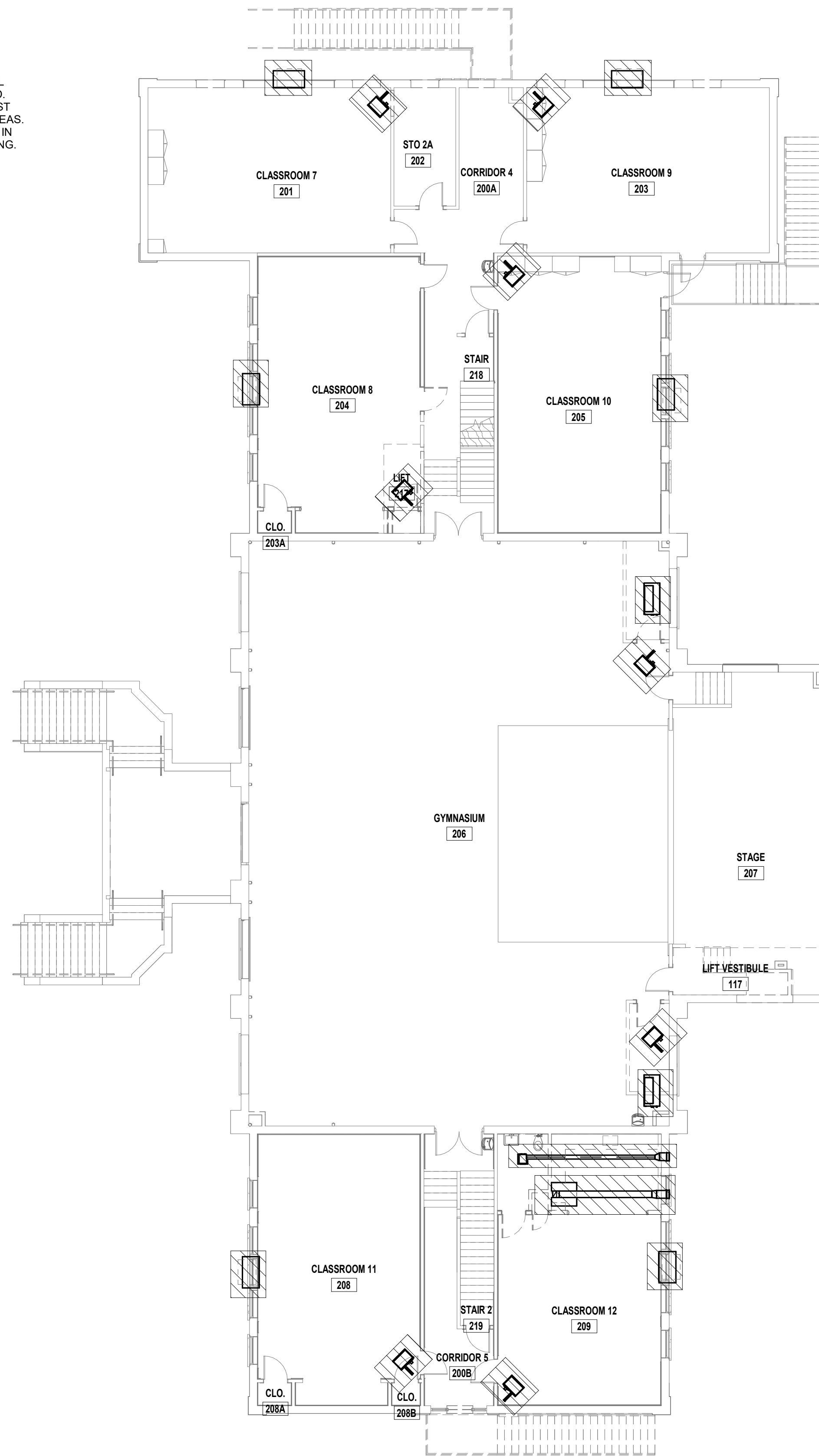
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MECHANICAL DEMOLITION NOTES:

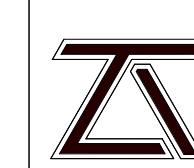
PRIOR TO BEGINNING ANY NEW WORK, DEMOLITION OF ALL EXISTING BUILDING HVAC/SYSTEMS SHALL BE PERFORMED. CONTRACTOR SHALL REMOVE ALL EXISTING HVAC/EXHAUST SYSTEMS IN THIS BUILDING, LOCATED INSIDE HATCHES AREAS. PATCH ANY EXTERIOR HVAC/EX-HAUST SYSTEM OPENINGS IN BUILDING WALLS AND ROOF AND PATCH TO MATCH EXISTING.



1 FIRST FLOOR HVAC DEMOLITION PLAN
3/32" = 1'-0"



2 SECOND FLOOR HVAC DEMOLITION PLAN
3/32" = 1'-0"



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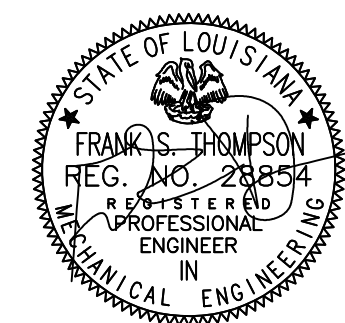


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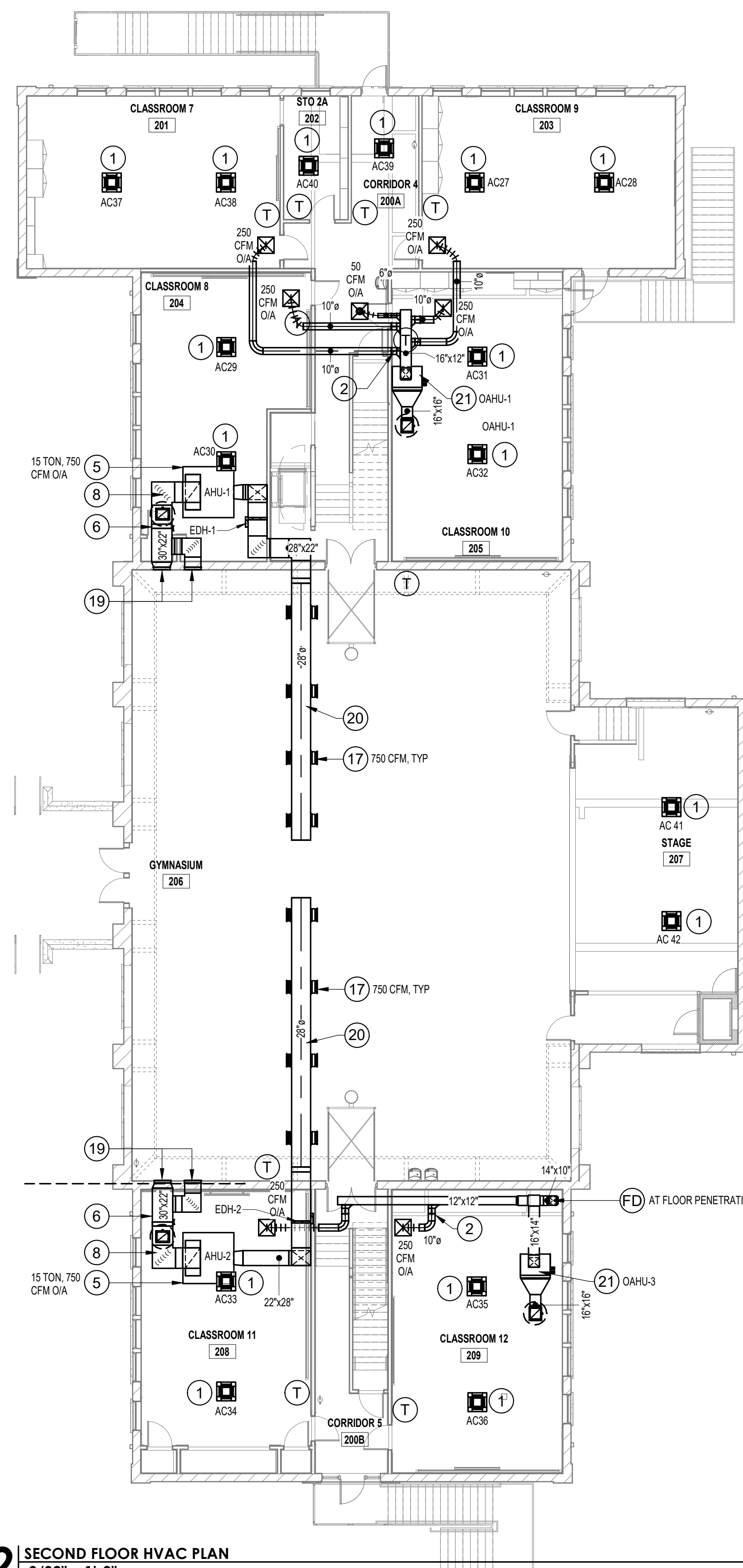
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HVAC PLANS

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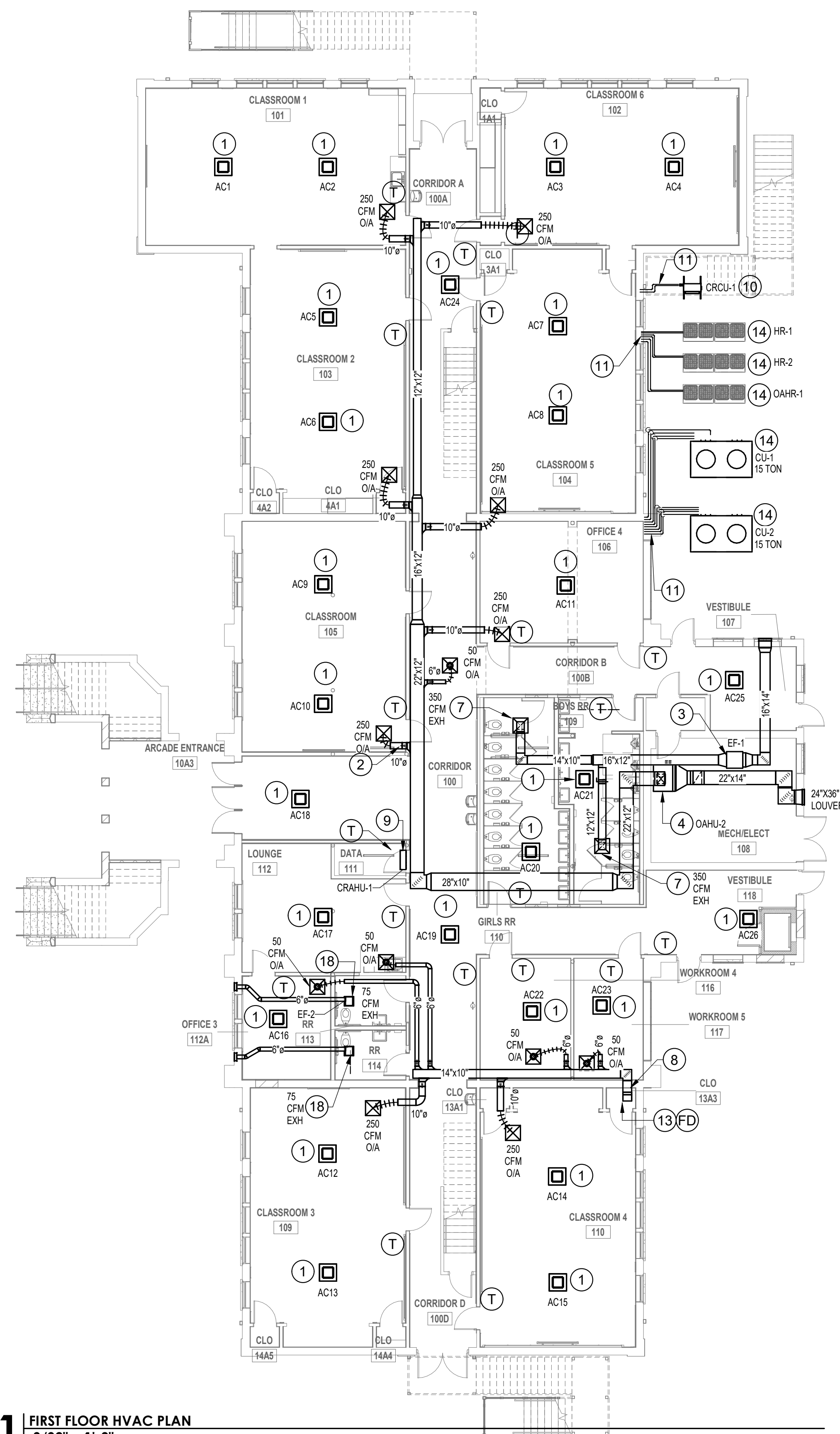
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2 SECOND FLOOR HVAC PLAN
3/32" = 1'-0"

MECHANICAL PLAN NOTES

- 1 CEILING SUSPENDED CASSETTE. RE: SCHEDULE FOR MORE INFORMATION. UNIT SHALL HAVE CONDENSATE DRAIN PUMP. TYPICAL PROVIDE 1" TYPE L COPPER CONDENSATE DRAIN LINE AND ROUTE TO NEAREST HUB DRAIN. INDIRECTLY DRAIN INTO HUB DRAIN. MAINTAIN 1" AIR GAP. INSULATE CONDENSATE DRAIN PIPING WITH 1" THICK ARMAFLEX INSULATION.
- 2 AIR EXTRACTOR AND MANUAL VOLUME DAMPER WITH LOCKABLE DAMPER WITH STAND OFF BRACKET AND LOCKING QUADRANT. TYPICAL FOR ALL ROUND DUCT TAKE OFFS. DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION. TYPICAL ALL DAMPERS.
- 3 INLINE TYPE EXHAUST FAN, CFMS AS SHOWN. INTERLOCK FAN WITH RESPECTIVE AIR HANDLING UNIT. ROUTE EXHAUST DUCT TO 24"x18" EXTERIOR LOUVER, SIZED AS SHOWN. EXACT COLOR AND MOUNTING HEIGHT OF LOUVER BY ARCHITECT. GYACHECK END SERIES OR APPROVED EQUAL.
- 4 OUTSIDE AIR UNIT, OAHU WITH STAINLESS STEEL AUXILIARY DRAIN PAN, FLOAT SWITCH, 1" COPPER CONDENSATE PIPING. FOLLOW MANUFACTURER'S CLEARANCE REQUIREMENTS. UNIT SHALL HAVE FLEX CONNECTION ON INLET AND OUTLET. OUTSIDE AIR DUCT, 12"x14" TYPICAL, SHALL BE ROUTED TO OUTSIDE AIR LOUVER AS SHOWN. PROVIDE MANUAL AND MOTORIZED VOLUME DAMPERS.
- 5 AIR HANDLING UNIT WITH STAINLESS STEEL AUXILIARY DRAIN PAN, FLOAT SWITCH, 1" COPPER CONDENSATE PIPING. FOLLOW MANUFACTURER'S CLEARANCE REQUIREMENTS. UNIT SHALL HAVE FLEX CONNECTION ON INLET AND OUTLET. OUTSIDE AIR DUCT, 14"x12" TYPICAL, SHALL BE ROUTED TO LOW PROFILE INTAKE HOOD ON ROOF. PROVIDE MANUAL AND MOTORIZED VOLUME DAMPERS. PROVIDE 3/4" PLYWOOD DECK UNDER ENTIRE UNIT AND EXTEND 36" AROUND ENTIRE UNIT.
- 6 MANUAL VOLUME DAMPER WITH LOCKABLE DAMPER. DAMPER MUST HAVE STAND OFF BRACKET. DAMPER HANDLES SHALL NOT BE COVERED WITH INSULATION. TYPICAL.
- 7 16"x16" EXHAUST GRILLE. TYPICAL. PROVIDE MANUAL VOLUME DAMPER PRIOR TO GRILLE. BALANCE TO CFMS AS SHOWN ON PLANS.
- 8 CONTRACTOR SHALL PROVIDE AND INSTALL TURNING VANES IN ALL SUPPLY, RETURN AND EXHAUST DUCT AT ALL ELBOWS 45 DEGREES OR GREATER. TYPICAL.
- 9 MINI SPLIT WALL MOUNTED AS HIGH AS ALLOWABLE BY MANUFACTURER'S REQUIREMENTS ON WALL. PROVIDE INTEGRAL CONDENSATE PUMP. 1" INSULATED CONDENSATE DRAIN PIPING SHALL DRAIN TO NEAREST PLUMBING VENT, PROVIDE P-TRAP AND INDIRECT CONNECTION. TYPICAL.
- 10 MINI-SPLIT CONDENSING UNIT ON CONCRETE HOUSEKEEPING PAD, RE: ARCHITECTURAL. ROUTE REFRIGERANT PIPING UP INSIDE EXTERIOR WALL AND ABOVE CEILING OVER TO ASSOCIATED MINI AHU. CONTRACTOR SHALL MAINTAIN ALL NECESSARY MANUFACTURER'S REQUIREMENTS AROUND UNITS FOR SERVICING. REFRIGERANT PIPING SHALL BE INSULATED.
- 11 ROUTE INSULATED REFRIGERANT LINES THROUGH WALL AND INTO CEILING SPACE AND OVER UP TO WALL MOUNTED UNIT. SEAL PENETRATION WATER TIGHT. REFRIGERANT LINES SHALL BE SIZED ACCORDING TO MANUFACTURER'S REQUIREMENTS. SUCTION LINE SHALL BE INSULATED AND WRAPPED IN AN ALUMINUM JACKET. TYPICAL. SUPPORT LINES ON GRADE WITH GALVANIZED UNISTRUTS. TYPICAL.
- 12 ALL THERMOSTATS/HUMIDISTATS SHALL BE MOUNTED SAME HEIGHT AS OCCUPANCY LIGHT SENSORS. TYPICAL. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ORDERING.
- 13 OUTSIDE AIR DUCTWORK SHALL PENETRATE CEILING FROM OAHU MAIN DUCTWORK LOCATED INSIDE ATTIC. CONTRACTOR SHALL ROUTE DUCTWORK DOWN INSIDE CHASE SPACE OF FIRST FLOOR FROM SECOND FLOOR ABOVE AS SHOWN. CONTRACTOR SHALL PROVIDE AND INSTALL FIRE DAMPERS AT ALL FLOOR PENETRATIONS.
- 14 HEAT PUMP CONDENSING UNIT MOUNTED ON 4" THICK CONCRETE PAD. MINIMUM 6" ALL AROUND UNIT AND A MINIMUM OF 18" FROM EXTERIOR OF WALL. PROVIDE A MINIMUM OF 3'-0" CLEARANCE AROUND ALL SIDES OF UNIT. TYPICAL.
- 15 BRANCH SELECTOR BOX, BSB. REFER TO MECHANICAL PIPING PLANS.
- 16 18"x6" SIDEWALL SUPPLY GRILLE, 500 CFM OUTSIDE AIR. KRUEGER 5880 DOUBLE DEFLECTION, OR APPROVED EQUAL. COLOR BY ARCHITECT.
- 17 24"x12" SIDEWALL SUPPLY GRILLE, 750 CFM SUPPLY AIR. KRUEGER 5880 DOUBLE DEFLECTION, OR APPROVED EQUAL. COLOR BY ARCHITECT.
- 18 CABINET TYPE EXHAUST FAN, 75 CFM. CONTRACTOR SHALL ROUTE 6" DIAMETER DUCT TO EXISTING SIDEWALL LOUVER. ADJUST DUCTWORK AS NECESSARY TO ACCOMMODATE TIE INTO EXISTING LOUVER.
- 19 24"x48" RETURN AIR GRILLE. STEEL GRILLE AND SUITABLE FOR GYM USE. REFER TO ARCHITECTURAL FOR EXACT MOUNTING HEIGHT, LOCATION AND COLOR. DAMPER SHALL BE ACCESSIBLE FROM FACE OF GRILLE. NAILOR 6145H-HD OR APPROVED EQUAL.
- 20 ALL EXPOSED SPIRAL DUCTWORK SHALL BE DOUBLE WALL, INTERNALLY LINED AND SHALL HAVE PAINT GRIP. CONTRACTOR SHALL COORDINATE EXACT MOUNTING HEIGHT AND COLOR WITH ARCHITECT PRIOR TO ORDERING. CONTRACTOR SHALL COORDINATE WITH LIGHT FIXTURE.
- 21 OUTSIDE AIR UNIT, OAHU WITH STAINLESS STEEL AUXILIARY DRAIN PAN, FLOAT SWITCH, 1" COPPER CONDENSATE PIPING. FOLLOW MANUFACTURER'S CLEARANCE REQUIREMENTS. UNIT SHALL HAVE FLEX CONNECTION ON INLET AND OUTLET. OUTSIDE AIR DUCT, 12"x14" TYPICAL, SHALL BE ROUTED UP TO LOW PROFILE INTAKE HOOD ON ROOF. PROVIDE MANUAL AND MOTORIZED VOLUME DAMPERS. PROVIDE 3/4" PLYWOOD DECK UNDER ENTIRE UNIT AND EXTEND 36" AROUND ENTIRE UNIT.



1 FIRST FLOOR HVAC PLAN
3/32" = 1'-0"

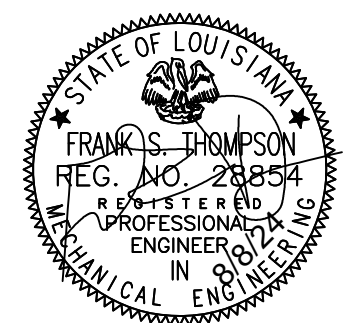


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DATE: 08/08/2024 PHASE: BID DOCUMENTS PROJECT NO: 3221105

HVAC SCHEDULES

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VARIABLE REFRIGERANT VOLUME - INDOOR UNIT SCHEDULE

Table with columns: TAG, ROOM, BASIS OF DESIGN (DAIKN), NOMINAL TONNAGE, TYPE, CONNECTED TO, SUPPLY FAN, COOLING CAPACITY, HOT GAS REHEAT, HEATING CAPACITY, ELECTRICAL, DIMENSIONS, WEIGHT, NOTES, Options and Accessories.

Schedule Notes:

Provide Global Plasma Solutions needpoint orientation at each unit. Built-in condensate pump (FXDQ, M, FXFQ, P, FXFQ, T, FXMQ, M, FXMQ, P, FXLQ, P, FXZQ, M, Standard Limited Warranty, 10-year warranty on compressor and all parts.

VARIABLE REFRIGERANT VOLUME - AIR-COOLED CONDENSING UNIT SCHEDULE

Table with columns: TAG, ROOM, BASIS OF DESIGN (DAIKN), NOMINAL TONNAGE, DESCRIPTION, COOLING CAPACITY, HEATING CAPACITY, REFRIGERANT CHARGE, CONNECTION RATIO (%), ELECTRICAL, DIMENSIONS, EFFICIENCY (NonDucted/Ducted or Specific Combo), NOTES, Options and Accessories.

VARIABLE REFRIGERANT VOLUME - ZONE HEAT RECOVERY DEVICE SCHEDULE

Table with columns: TAG, ROOM, BASIS OF DESIGN (DAIKN), CONDENSING UNIT SERVED, VOLTAGE PHASE, MIN CIRCUIT AMPS (MCA), MAX OVERCURRENT PROTECTION (MOP), MAX CAPACITY (per Port), DIMENSIONS (WxHxD) (inch), WEIGHT (lbs), ZONE SERVED, Options and Accessories.

Schedule Notes:

Individual control and changeover with extended range of product offerings - 4, 6, 8, 10 and 12 port options. Unlimited number of unused ports per box or system. No drain piping needed. Standard Limited Warranty, 10-year warranty on all parts.

Table for JL Watson Historic School, Unit CAHU-1, 2. Columns include: Tag, Qty, DAIKN Model, Length, Weight, External Dimensions, Fan, Motor, Control, DX Coil, Mixing Box, Filter, Type, Filter Qty, Size, Depth, Efficiency, Clean PD, Dirty PD, Mean PD.

Note: external dimension values do not include base rails, coil connectors, drain connectors and/or control boxes.

- Notes: 1. Provide 2" double wall construction. 2. Provide factory mounted starter. 3. Provide Global Plasma needpoint orientation.

Table for JL Watson Historic School, Unit CU-1, 2. Columns include: TAG, Qty, DAIKN Model, Voltage, MCA (A), MROPD (A), Total Unit EER, Suction Temperature, Ambient DB, Altitude, Refrigeration Effect, Stages, Qty, Compressor Power, Refrigerant, Unit Weight.

- Notes: 1. Provide hot gas bypass. 2. Provide non-fused disconnect factory mounted.



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EXHAUST FAN SCHEDULE											
PLAN MARK	SERVICE	TOTAL CFM	S.P. LOSS IN. W.C.	HORSEPOWER OR WATTS	FAN SPEED RPM	MAX FAN SPEED RPM	DRIVE TYPE	MAXIMUM SONES	ELECTRIC SERVICE	FAN TYPE	REMARKS
EF-1	SEE PLANS	700	0.50	1/2	1048	1725	DIRECT	4.8	115/1/60	INLINE	GREENHECK SQ-120-VG SERIES OR COOK APPROVED EQUAL
EF-2,3	SEE PLANS	75	0.25	80	950	--	DIRECT	2.0	115/1/60	CABINET	GREENHECK SP-B110 SERIES OR COOK APPROVED EQUAL

- PROVIDE BACKDRAFT DAMPER ON DISCHARGE OF FAN.
- PROVIDE SOLID STATE SPEED CONTROLLER. CONTROLLER MUST BE ACCESSIBLE FROM FACE OF FAN.
- CONTRACTOR SHALL INSTALL ALL EXTERIOR EXHAUST LOUVERS AS TO MAINTAIN A MINIMUM OF 15'-0" CLEAR FROM ANY FRESH/OUTSIDE AIR INTAKE. NO EXCEPTIONS.
- EXACT MOUNTING HEIGHT, COLOR AND LOCATION OF ALL EXTERIOR EXHAUST LOUVERS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
- ALL INLINE EXHAUST FANS SHALL BE INTERLOCKED WITH RESPECTIVE AIR HANDLING UNIT.
- ALL FANS SHALL HAVE ECM MOTORS.

ELECTRIC DUCT HEATER SCHEDULE							
NO.	C.F.M.	BTUH	DUCT SIZE	K.W.	STAGES	ELEC. SERV.	REMARKS
DH-1 (AHU-1)	6,000	162,000	28"X22"	48	SCR	240/3/60	NAILOR DH SERIES OR TPI CORPORATION HF SERIES
DH-2 (AHU-2)	6,000	162,000	28"X22"	48	SCR	240/3/60	NAILOR DH SERIES OR TPI CORPORATION HF SERIES

- HEATING COILS SHALL HAVE DISCONNECTING TYPE CONTACTORS.
- ALL DUCT HEATERS TO BE PROVIDED WITH AHUS SHALL BE MOUNTED AND DESIGNED TO BE AT DISCHARGE OF UNIT.

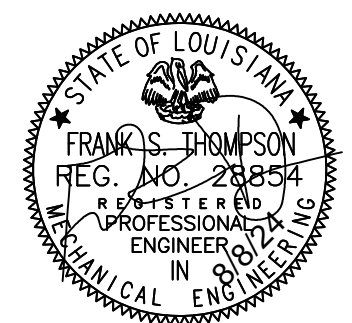
DROP DOWN CEILING DIFFUSER SCHEDULE				
SYM.	CFM RANGE	FACE SIZE	NECK SIZE	REMARKS
A	0-130	24"X24"	6"	PRICE SCD, LAY IN TYPE, LOUVER FACE
B	130-230	24"X24"	8"	PRICE SCD, LAY IN TYPE, LOUVER FACE
C	230-320	24"X24"	10"	PRICE SCD, LAY IN TYPE, LOUVER FACE
D	325-600	24"X24"	12"	PRICE SCD, LAY IN TYPE, LOUVER FACE
E	600-850	24"X24"	14"	PRICE SCD, LAY IN TYPE, LOUVER FACE

- CONTRACTOR SHALL COORDINATE LOCATION OF DIFF WITH ARCHITECTUAL REFLECTIVE CEILING PLAN TO AVOID ANY CONFLICTS W/ LIGHTS, AUDIO EQUIPMENT AND OTHER CEILING APPURTENANCE.
- CONTRACTOR TO PROVIDE ALL TRANSITIONS NECESSARY TO ACCOMMODATE GRILLE CONNECTION.
- CONTRACTOR SHALL VERIFY GRILLE MOUNTING FRAMES WITH ARCHITECTS ROOM FINISH SCHEDULE.
- CONTRACTOR SHALL MOUNT FRAMES FOR GYP BOARD APPLICATIONS.

GENERAL MECHANICAL NOTES:

- ALL CONDENSING UNITS MUST BE INSTALLED ON HOUSEKEEPING PAD. PAD MUST BE LARGE ENOUGH TO PROVIDE MANUFACTURER'S RECOMMENDATIONS FOR SERVICE AND AIR FLOW CLEARANCES.
- ALL EXTERIOR LOUVERS SHALL BE ANODIZED ALUMINUM, COLOR MUST BE COORDINATED WITH ARCHITECT PRIOR TO ORDERING.
- SHOP DRAWINGS FOR ALL DUCTWORK AND HVAC EQUIPMENT MUST BE APPROVED BY THE ARCHITECT AND ENGINEER BEFORE FINAL PRODUCTION. THE CONTRACTOR SHALL PROVIDE FULL DUCTWORK SHOP DRAWINGS PRIOR TO ORDERING.
- ALL INDOOR HVAC EQUIPMENT, INCLUDING FAN COIL UNITS, AHUS, CRAC UNITS, AND OAHUS SHALL HAVE 4" DEEP STAINLESS STEEL AUXILIARY DRAIN PAN WITH FLOAT SWITCH AND 1" AUXILIARY DRAIN. PROVIDE DRAIN FROM AUXILIARY PAN TO FLOOR DRAIN OR HUBB DRAIN. TYPICAL.
- CONTRACTOR MUST SUBMIT COORDINATION SHOP DRAWINGS. ALL STRUCTURAL, SPRINKLER, PLUMBING, DUCTWORK, ETC. SHALL BE SHOWN. ANY CONFLICTS MUST BE CLOUDED AND BROUGHT TO THE ARCHITECTS ATTENTION FOR RESOLUTION PRIOR TO ORDERING ANY MATERIAL. NO EXCEPTIONS GIVEN.
- A FULL TEST AND BALANCE REPORT IS REQUIRED AND SHALL BE SUBMITTED TO THE ARCHITECT AS A PART OF THE CLOSEOUT DOCUMENTS.
- CONTRACTOR SHALL FIRE CAULK ALL FIRE WALL AND FLOOR PENETRATIONS.
- COORDINATE DUCTWORK WITH ELECTRICAL WIRE TRAYS AND LIGHTS, PLUMBING SPRINKLER, STRUCTURE AND CEILING GRID PRIOR TO BEGINNING WORK. NO CHANGE ORDERS WILL BE GIVEN.
- CONTRACTOR SHALL PROVIDE COORDINATION DRAWINGS ON ALL MECHANICAL ROOMS WHICH SHALL INCLUDE CLEARANCES FOR MAINTENANCE OF FILTERS, SERVICING, ETC. PRIOR TO ORDERING OR BEGINNING ANY WORK.
- ALL MECHANICAL EQUIPMENT ELECTRICAL REQUIREMENTS SHALL BE COORDINATED WITH ELECTRICAL PRIOR TO ORDERING. ANY CONFLICTS OR DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESOLUTION PRIOR TO ORDERING. NO EXCEPTIONS GIVEN.
- THE TOPS OF ALL EQUIPMENT CURBS AND HOUSEKEEPING PADS SHALL BE LEVEL.
- ALL EQUIPMENT HOUSEKEEPING PADS SHALL BE A MINIMUM 4" HIGH. ALL CORNERS CHAMFERED, AND ALL EXPOSED-TO-VIEW SURFACES DRESSED SMOOTH.
- ALL EQUIPMENT LABELING/IDENTIFICATION SHALL BE LEGIBLE AND SHALL BE MECHANICALLY SECURED TO THE EQUIPMENT WITH NON-CORRODING FASTENERS.
- ALL WALL-APPLIED ITEMS (SUCH AS, BUT NOT NECESSARILY LIMITED TO, THERMOSTATS, ANNUNCIATORS, AND DETECTORS) SHALL BE INSTALLED PLUMB, LEVEL, AND IN THE LOCATIONS DESIGNATED ON THE CONTRACT DRAWINGS. ALL DEVICE COVERS AND TRIM SHALL FIT SNUGLY TO WALL SURFACES ON ALL SIDES. IF THE CONTRACT DOCUMENTS HAVE OVERLOOKED SPECIFIC LOCATIONS FOR SOME ITEMS, THEN THE CONTRACTOR SHALL OBTAIN CLARIFICATION AND DIRECTION FROM THE ARCHITECT PRIOR TO INSTALLATION OF THESE ITEMS.
- ALL CONDENSATE DRAIN PIPING SHALL BE COPPER AND HAVE P-TRAPS WITH AIR VENT, ROUTED AWAY FROM UNITS 12" FROM TRAP. ROUTE COPPER CONDENSATE LINE TO HUB DRAIN ABOVE CEILING. CONTRACTOR TO INSULATE CONDENSATE DRAIN LINE AND HORIZONTAL DRAIN LINE THE CONDENSATE IS TIED INTO. RE: SHEET PLUMBING SHEETS FOR EXACT LOCATION OF HUB/FLOOR DRAINS.
- PROVIDE ADDITIONAL SUSPENDED SUPPORTS AS MAY BE NECESSARY TO PREVENT FLEXIBLE DUCTWORK FROM CONTACTING THE CEILING MATERIAL AND/OR THE CEILING FRAMING/GRID ASSEMBLY.
- CONTRACTOR SHALL INSTALL ALL FRESH/OUTSIDE AIR INTAKES AS TO MAINTAIN A MINIMUM OF 15'-0" CLEAR FROM ANY EXISTING SIDEWALL FANS/ EXHAUST LOUVERS/GRILLES. NO EXCEPTIONS.
- CONTRACTOR SHALL PRESSURE TEST ALL MECHANICAL EQUIPMENT, PIPING AND DUCTWORK SYSTEMS AS PER SPECIFICATIONS. THE PRESSURE TESTING SHALL BE WITNESSED AND FOUND ACCEPTABLE BY ENGINEER OF RECORD BEFORE PROJECT IS FINISHED.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR FOR EXACT LOCATION TO PICK UP 120 VOLT POWER TO RUN TRANSFORMERS.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR FOR EXACT LOCATION TO PICK UP 24 VOLT POWER.
- MECHANICAL CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BIDDING, ORDERING AND INSTALLATION. THIS SHALL INCLUDE STRUCTURAL, ELECTRICAL, PLUMBING, ARCHITECTURAL, SPRINKLER AND CIVIL. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL HVAC WORK WITH ALL OTHER DISCIPLINES PRIOR TO ORDERING AND INSTALLING AND SHALL BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES OR CONFLICTS FOR RESOLUTION PRIOR TO ORDERING OR BEGINNING ANY WORK. NO CHANGE ORDERS SHALL BE GIVEN.
- THE SUBMISSION OF PROPOSAL BY THE CONTRACTOR WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE ENTIRE CONSTRUCTION PLANS & BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS & LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
- CONTRACTOR SHALL PROVIDE ALL PIPING AND DUCTWORK OFFSETS NECESSARY TO PROVIDE A COMPLETE AND COORDINATED JOB. NO CHANGE ORDERS WILL BE GIVEN FOR ANY NECESSARY PIPING AND DUCTWORK OFFSETS AROUND STRUCTURE, PLUMBING, SPRINKLER, ELECTRICAL OR MECHANICAL.
- DUCTWORK AND GRILLES - RECTANGULAR, SQUARE, OVAL AND ROUND DUCTWORK SHALL BE GALVANIZED SHEET METAL WITH 2" THICK 3/4# DENSITY FIBERGLASS DUCT WRAP WITH FOIL BACK VAPOR BARRIER INCLUDING THE BACK OF ALL DIFFUSERS. ALL INSULATION JOINTS AND SEAMS SHALL BE SEALED AIR TIGHT WITH MINIMUM 2" WIDE FOIL TAPE. SIZES INDICATED ON DRAWING ARE METAL TO METAL, NOT INCLUDING THE INSULATION DUCT WRAP. THE DUCT CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF SMACNA MANUAL GOVERNING MEDIUM AND LOW PRESSURE DUCT SYSTEMS. ALL GRILLES, REGISTERS, & DIFFUSERS SHALL BE PRICE INDUSTRIES, TITUS, METALAIRE, OR KRUEGER FULLY ADJUSTABLE ALUMINIZED STEEL WITH OPPOSED BLADE DAMPERS. RETURN AIR GRILLES SHALL HAVE FILTER RACK AND MANUF. BY SAME. THE CONTRACTOR SHALL COORDINATE THE EXACT LOCATION OF ALL GRILLES, REGISTERS, DRAINS AND DIFFUSERS WITH ARCHITECTURAL PLANS AND ELECTRICAL PLANS TO AVOID ANY CONFLICTS. THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE FRAME STYLES FOR DIFFUSERS REQUIRED FOR VARIOUS TYPES OF CEILINGS. (EX: LAY-IN AND GYP BOARD TYPE CEILINGS) A MAXIMUM OF 6'-0" RUN OF PRE-INSULATED FLEXIBLE DUCT WILL BE ALLOWED FOR FINAL CONNECTION OF DIFFUSERS. ALL CEIL. SUPPLY DIFFUSERS TO BE LOUVER FACED TYPE.
- ALL EXPOSED MECHANICAL PIPING AND EXPOSED DUCTWORK SHALL HAVE PAINT GRIP AND SHALL BE PAINTED. CONTRACTOR MUST COORDINATE EXACT COLOR WITH ARCHITECT PRIOR TO ORDERING OR INSTALLING.

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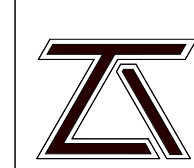


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HVAC SCHEDULES CONTINUED

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M2.1



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 (225) 293-9474 TLA PROJECT #21-105
 Frank Saville Thompson - License No. 28854
 Landon David Burns - License No. 46484

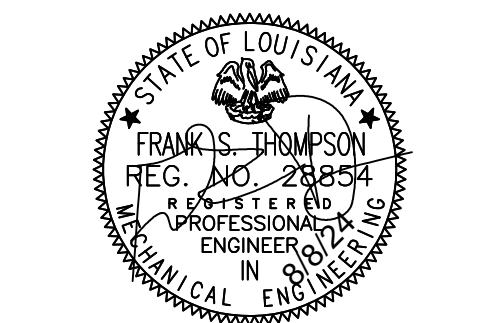


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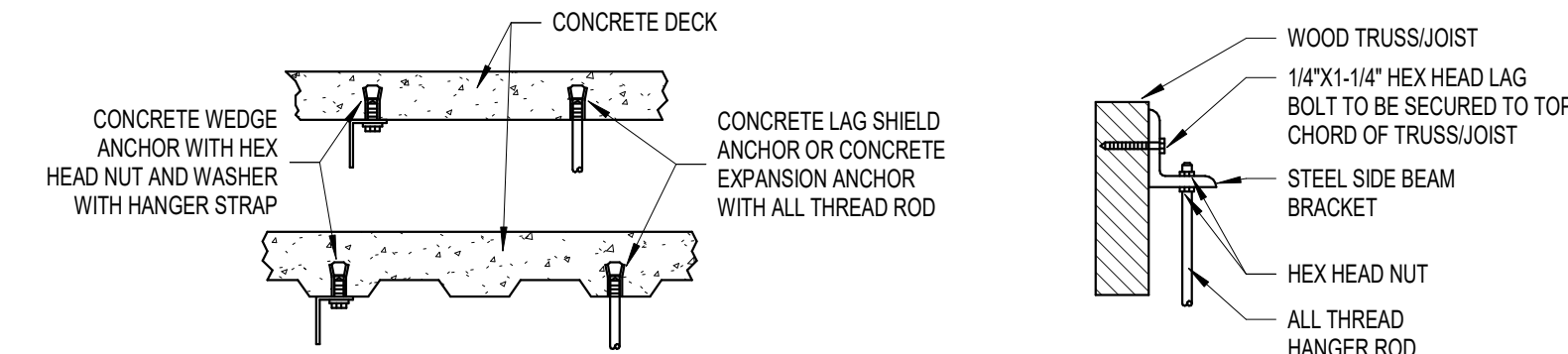
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HVAC DETAILS

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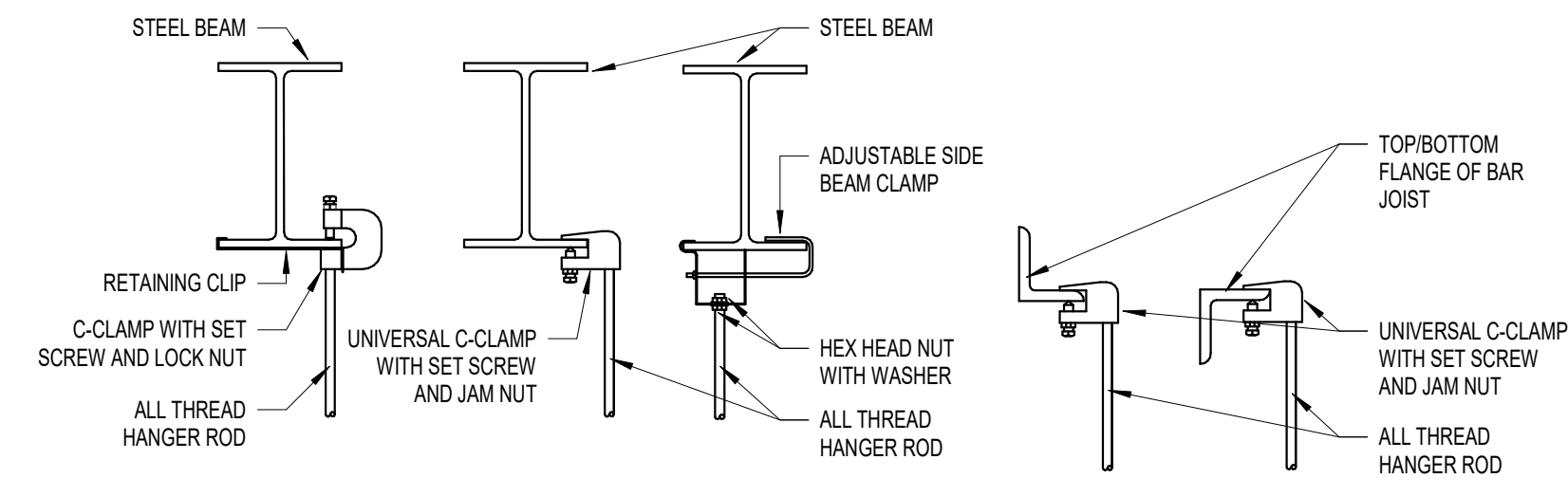
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CONCRETE DECK ANCHORS

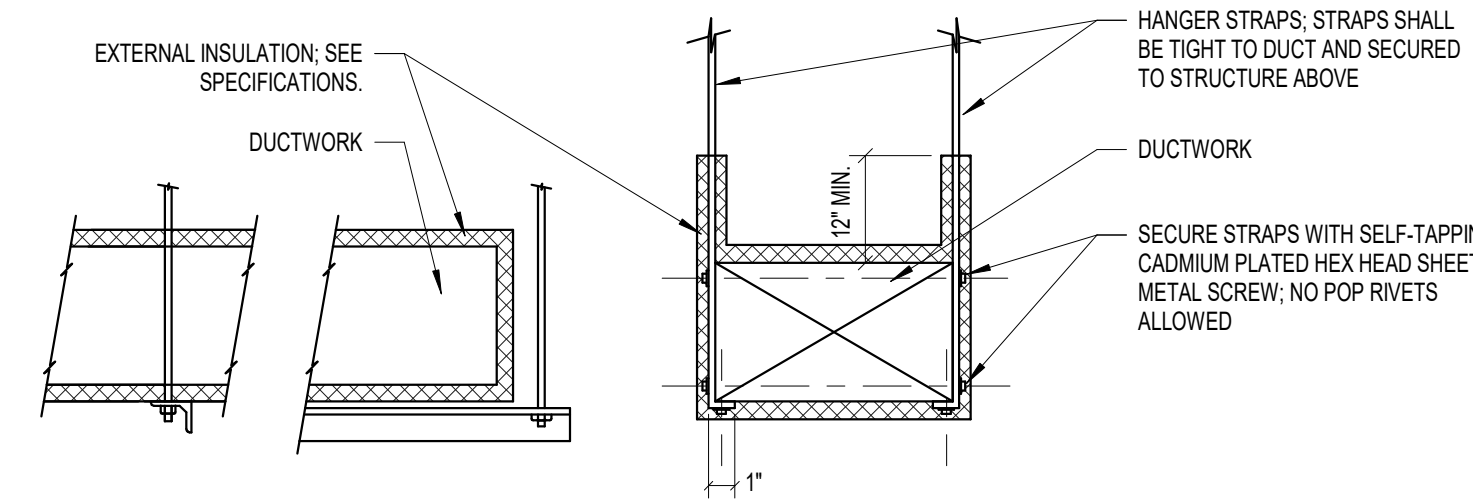
WOOD ANCHORS



I-BEAM ANCHORS

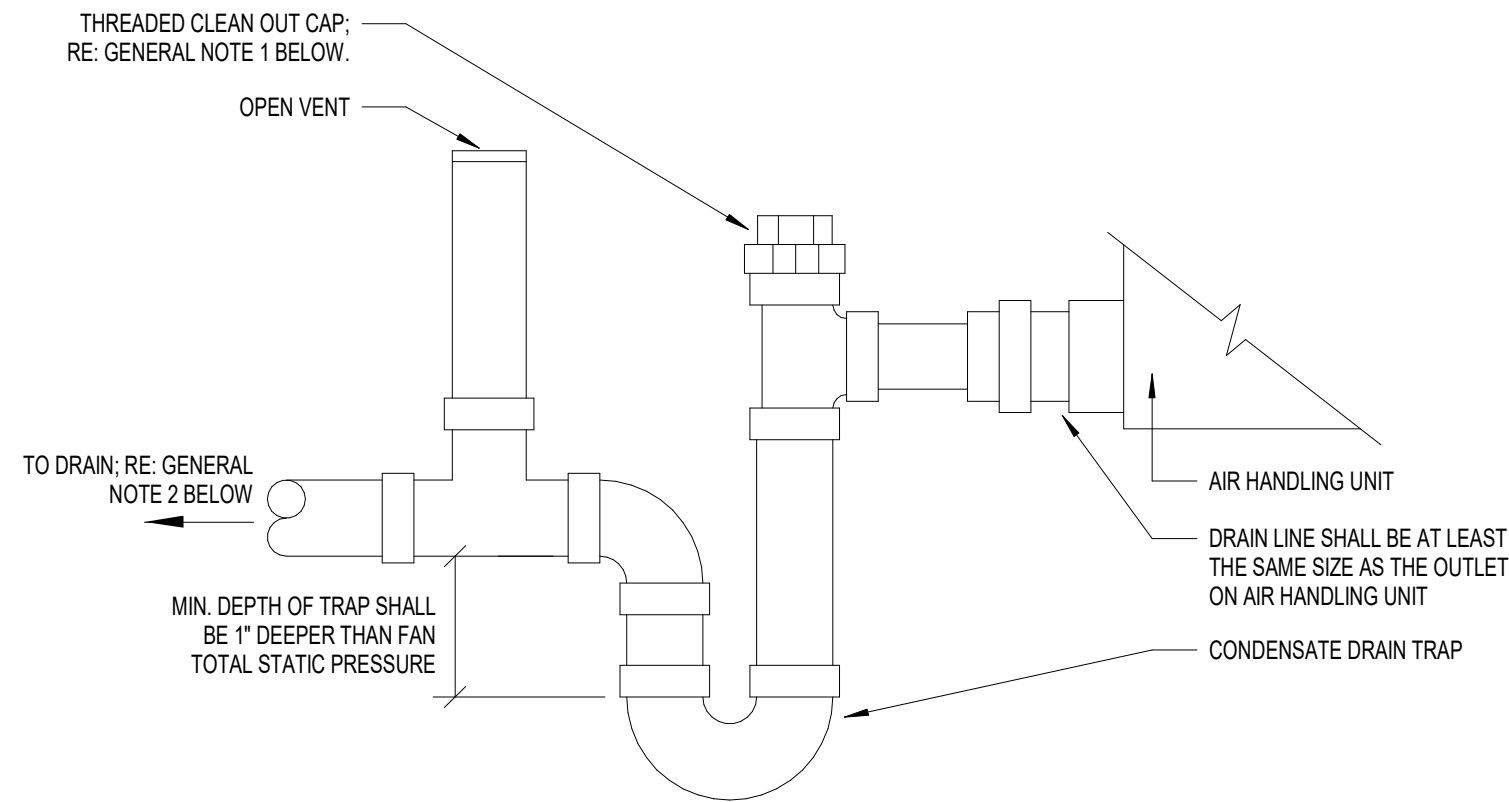
BAR JOIST ANCHORS

HANGER SIZES FOR RECTANGULAR DUCT			
MAX. SIZE	HANGER	HORIZONTAL SUPPORT ANGLE	MAX. SPACING
30"	1"x18 GAGE STRAP	NONE REQUIRED	10'-0"
36"	1/4" ROUND ROD	1.5"x1.5"x18"	8'-0"
48"	1/4" ROUND ROD	2"x2"x18"	8'-0"
60"	5/16" ROUND ROD	2"x2"x18"	8'-0"
84"	3/8" ROUND ROD	2"x2"x18"	8'-0"



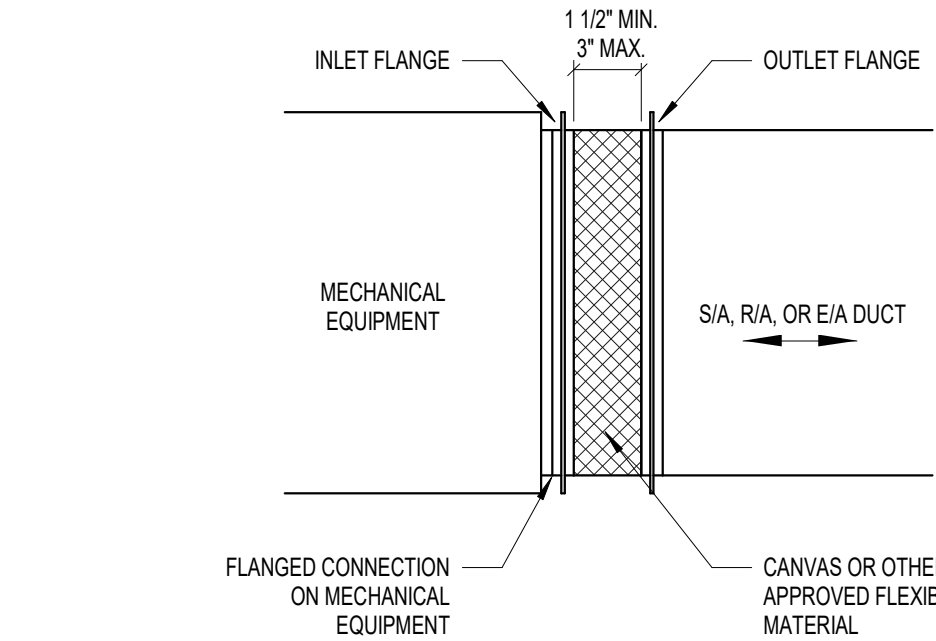
2 | DETAIL - DUCT SUPPORT HANGERS
NTS

3 | DETAIL - DUCT/PIPE HANGER ANCHORS
NTS



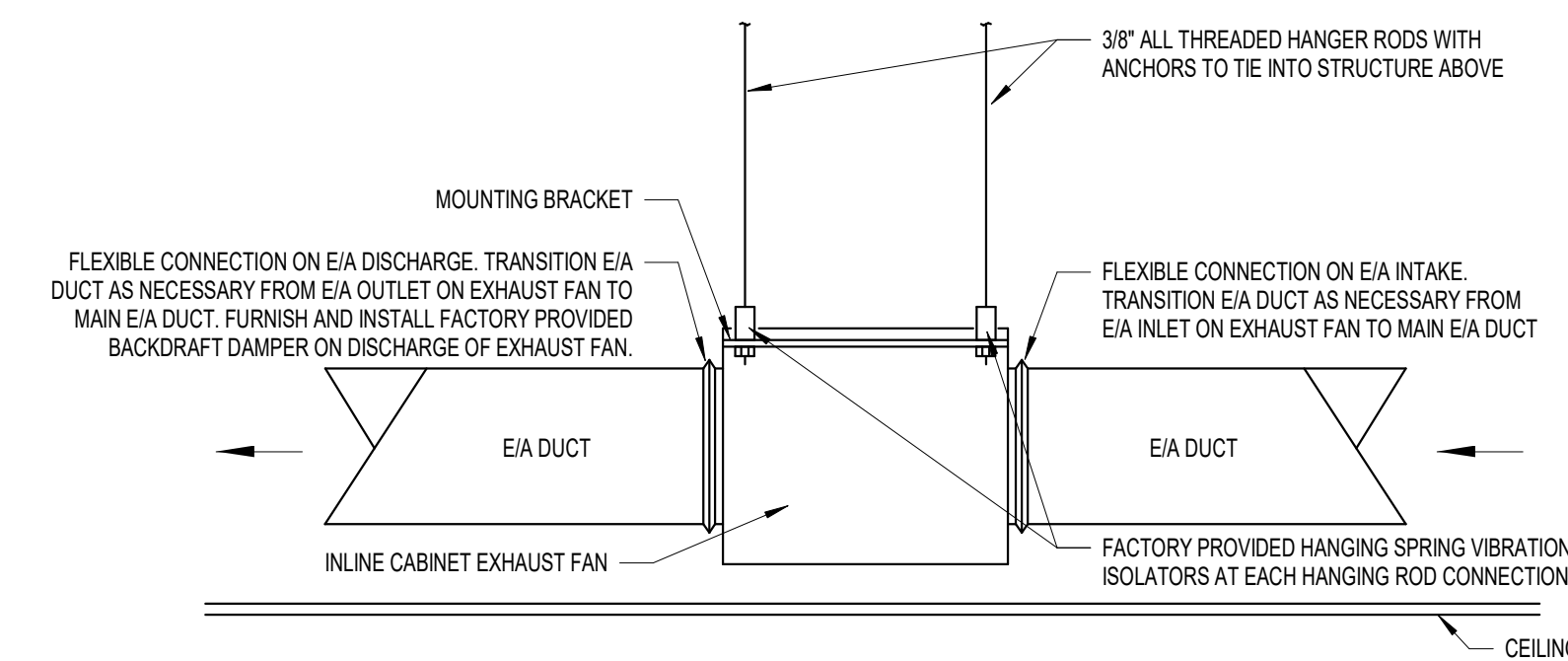
GENERAL NOTES:
1. INSTALL A CLEANOUT AT EVERY CHANGE IN DIRECTION GREATER THAN 45° AND AT A MAXIMUM OF 25' INTERVALS.
2. PITCH CONDENSATE DRAIN DOWN TOWARD DRAIN AT A MINIMUM OF 1/8" PER FOOT.
3. CONDENSATE DRAIN TO BE HARD DRAWN TYPE M COPPER.

1 | DETAIL - CONDENSATE DRAIN TRAP
NTS



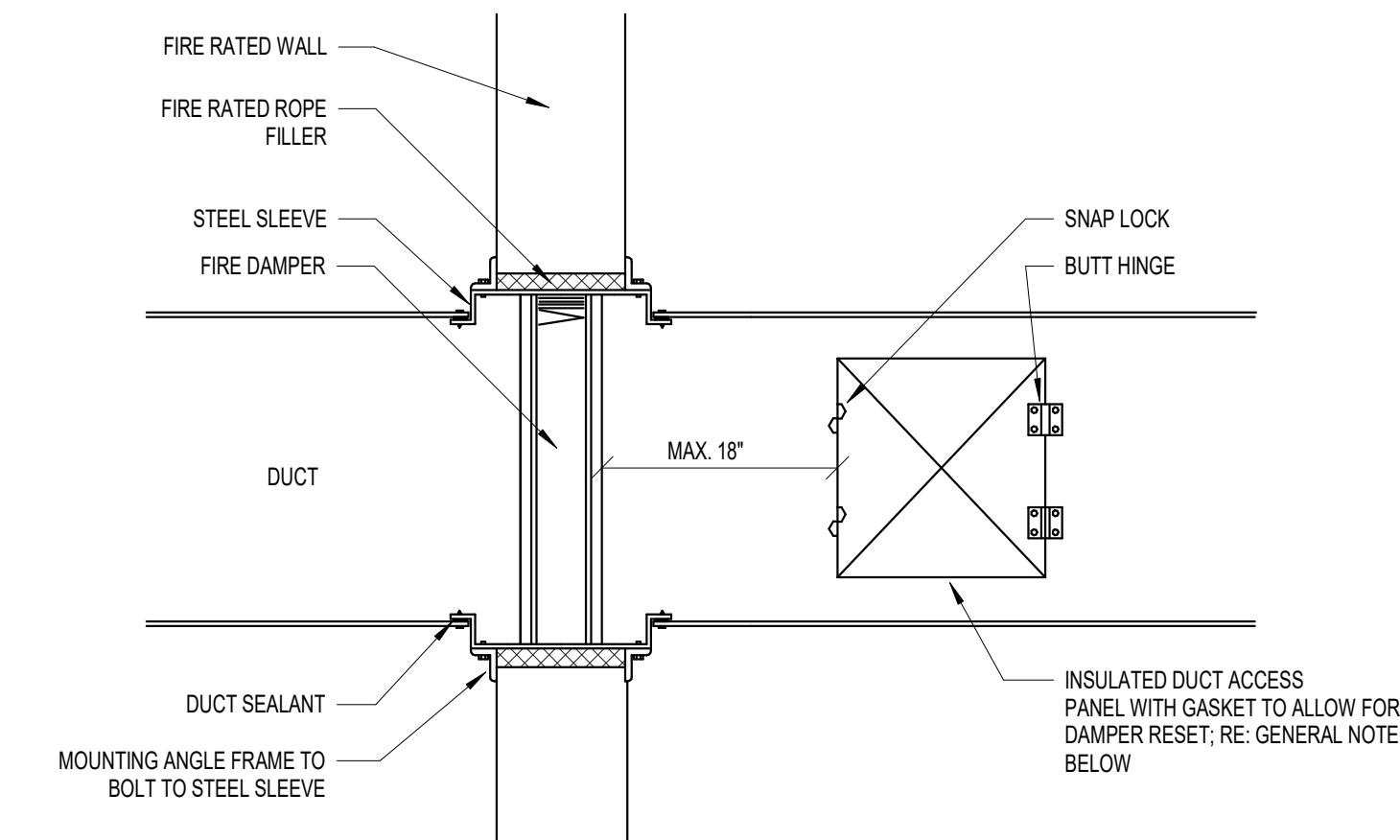
GENERAL NOTES:
1. FLEX CONNECTION SHALL BE FURNISHED AND INSTALLED ON ALL INLETS AND OUTLETS OF AIR HANDLING UNITS AND FANS.
2. FLEX CONNECTION SHALL BE SAME SIZE AS INLET/OUTLET OF EQUIPMENT.
3. FLEX CONNECTION SHALL BE PER NFPA-90A WITH 25 OR LESS FLAME SPREAD AND 50 OR LESS SMOKE DEVELOPMENT RATINGS.

5 | DETAIL - FLEX CONNECTION
NTS



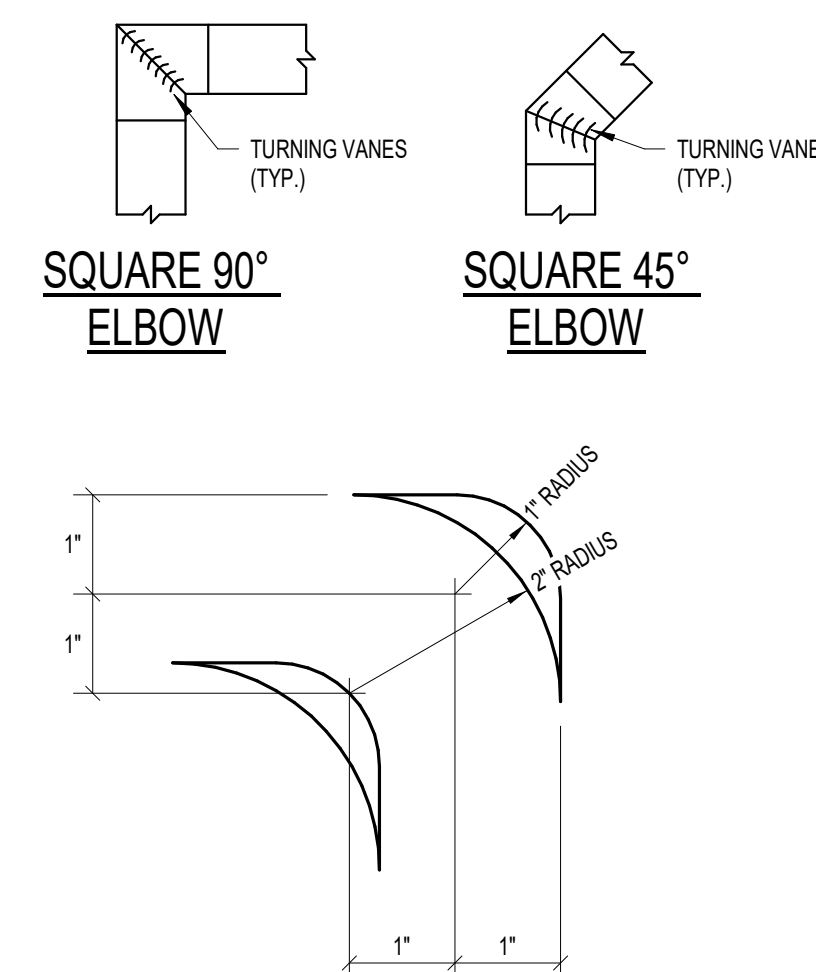
GENERAL NOTES:
1. INLINE CABINET EXHAUST FAN SHALL BE FACTORY PROVIDED WITH AN INSULATED FAN HOUSING.
2. REFER TO MECHANICAL FLOOR PLANS FOR EXHAUST AIR DISCHARGE TERMINATION TYPE (THROUGH EXTERIOR WALL OR ROOF).

6 | DETAIL - INLINE EXHAUST FAN
NTS

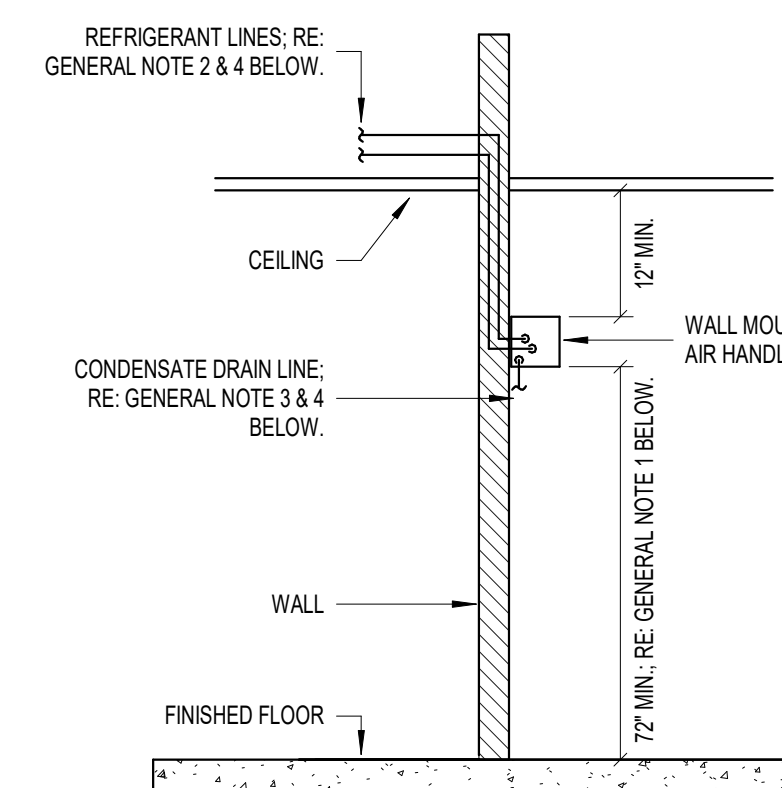


GENERAL NOTES:
1. DUCT ACCESS DOOR SHALL BE SQUARE AND SHALL BE 2" SMALLER THAN THE WIDTH OR HEIGHT OF DUCT DEPENDING ON INSTALLATION LOCATION, WITH A MINIMUM SIZE OF 6"x6" AND A MAXIMUM SIZE OF 24"x24". DUCT ACCESS DOOR SHALL BE MAXIMUM SIZE POSSIBLE WITHIN THE ABOVE MENTIONED CONSTRAINTS.
2. FIRE DAMPER THROUGH A WALL INSTALLATION SHALL ALSO APPLY FOR A FIRE DAMPER LOCATED IN THE FLOOR.

4 | DETAIL - FIRE DAMPER
NTS

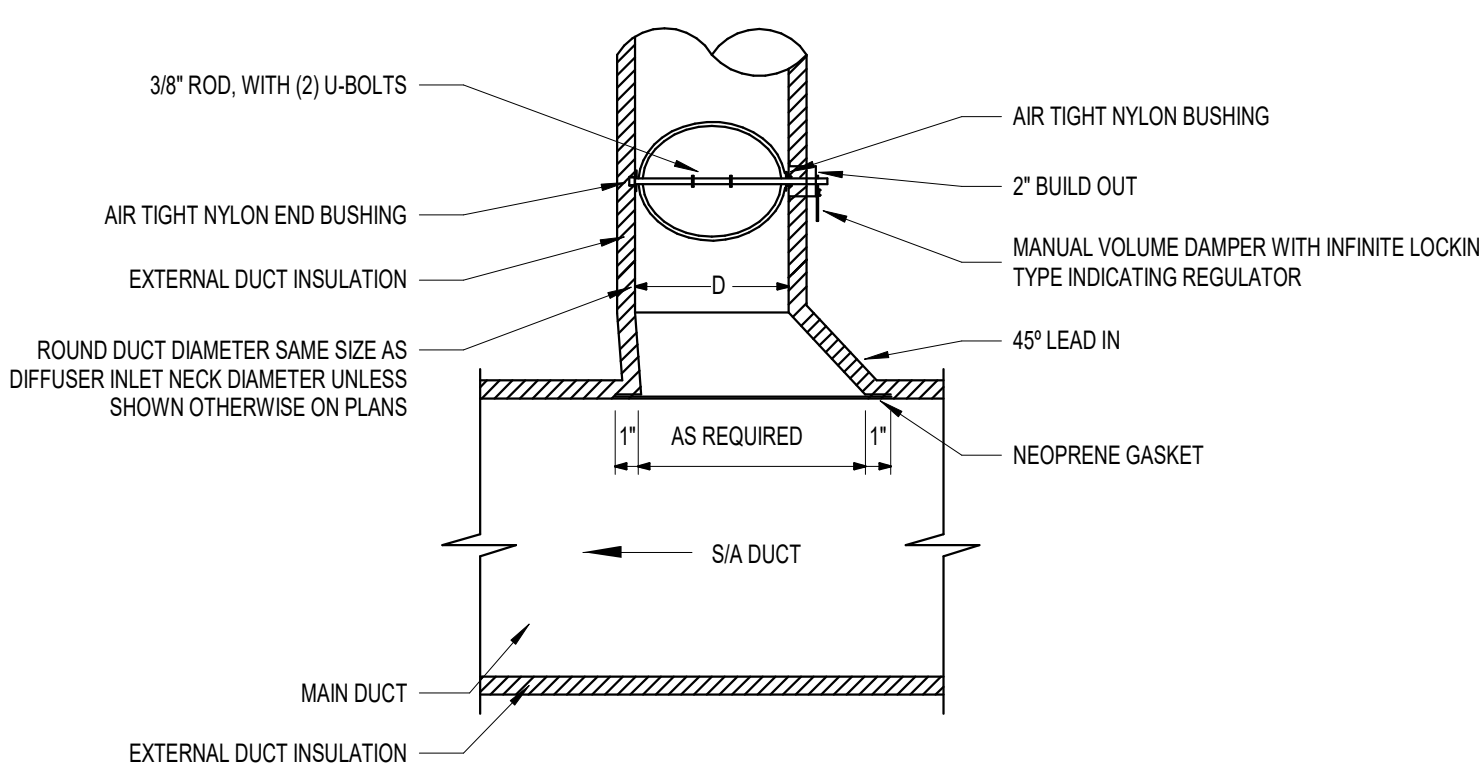


8 | DETAIL - TURNING VANES
NTS



GENERAL NOTES:
1. COORDINATE MOUNTING HEIGHT OF AIR HANDLING UNIT WITH ROOM DIMENSIONS, CEILING/STRUCTURE HEIGHT, AND ANY OBSTRUCTIONS LOCATED ON WALL. AIR HANDLING UNIT TO BE FURNISHED AND INSTALLED WITH ALL NECESSARY HARDWARE FOR PROPER MOUNTING FROM FACTORY (I.E. BRACKETS, FASTENERS, WASHERS, ETC.) RE: MANUFACTURER'S RECOMMENDATIONS AND REQUIREMENTS FOR MOUNTING OF UNIT.
2. ALL REFRIGERANT LINES SHALL BE SIZED IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT LINES SHALL BE ROUTED THROUGH WALL AND EXPOSED THROUGH ATTIC OR CEILING SPACE TO RESPECTIVE CONDENSING UNIT LOCATED AT EXTERIOR. SEAL EXTERIOR WALL/ROOF PENETRATION WATER TIGHT.
3. CONDENSATE DRAIN LINE SHALL BE INSTALLED WITH "P-TRAP" AND INSULATED. CONDENSATE DRAIN LINE SHALL BE ROUTED WITH DISCHARGE TO NEAREST HUB DRAIN AND MUST MAINTAIN MINIMUM 2" AIR GAP BETWEEN DRAIN TERMINATION AND HUB DRAIN RIM.
4. ALL REFRIGERANT AND CONDENSATE DRAIN LINES SHALL BE ROUTED IN SUCH A MANNER AS TO NOT BLOCK OR OBSTRUCT ANY ACCESS (FILTER, COOLING COIL, FAN, ECT.) TO AIR HANDLING UNIT.

9 | DETAIL - WALL MOUNTED MINI SPLIT AIR HANDLING UNIT
NTS



GENERAL NOTES:
1. S/A TAP TO BE FURNISHED AND INSTALLED ON ALL ROUND S/A DUCT TAKEOFFS.

7 | DETAIL - S/A ROUND TO RECTANGLE TAP WITH MANUAL VOLUME DAMPER
NTS



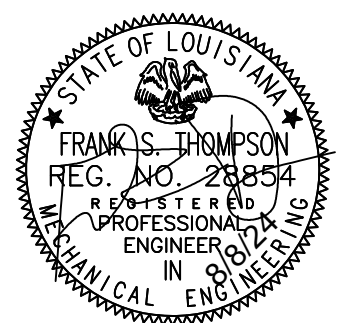
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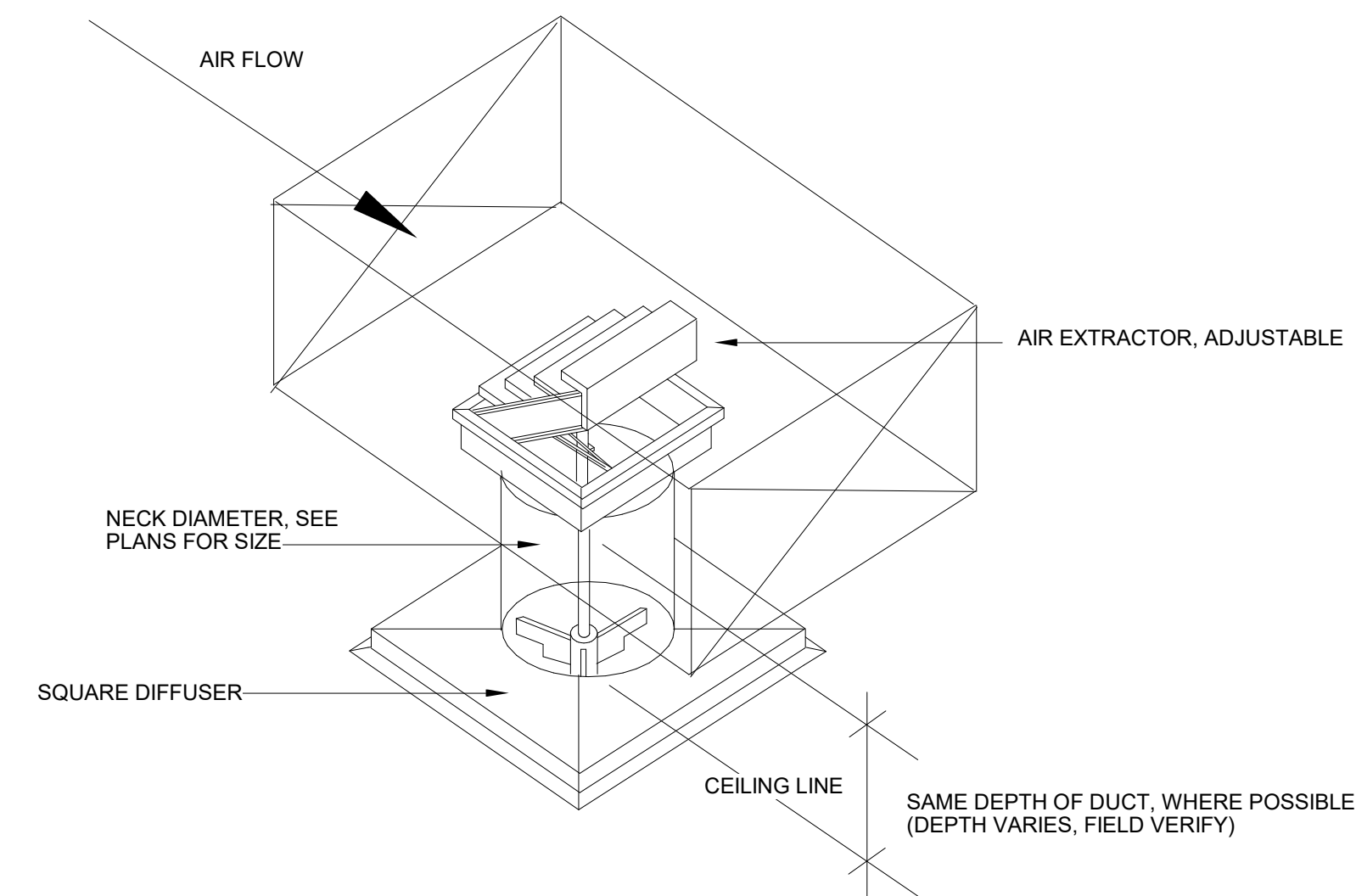


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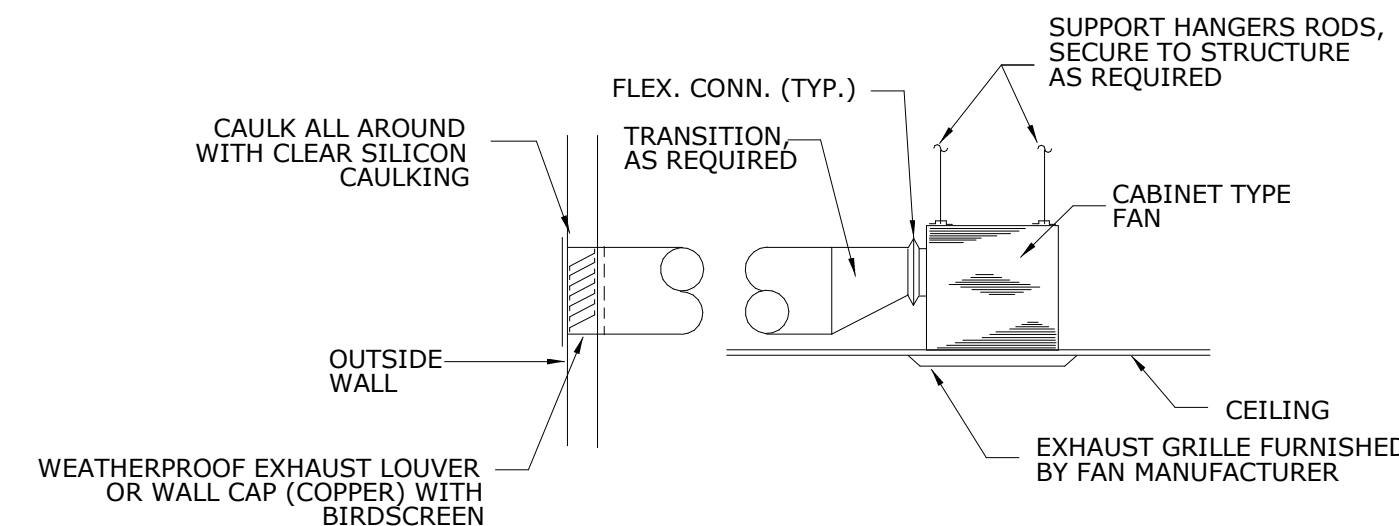
HVAC DETAILS

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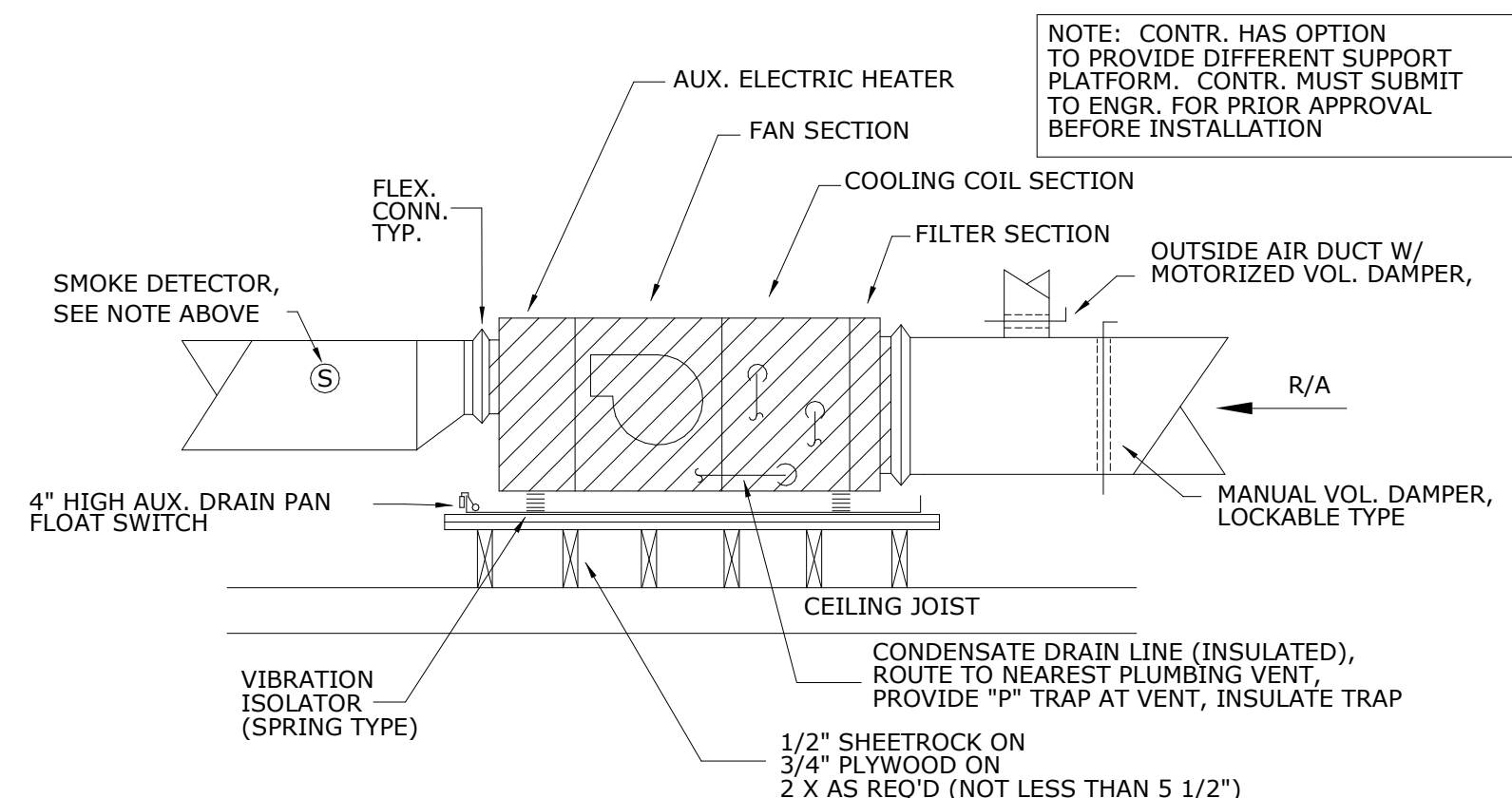
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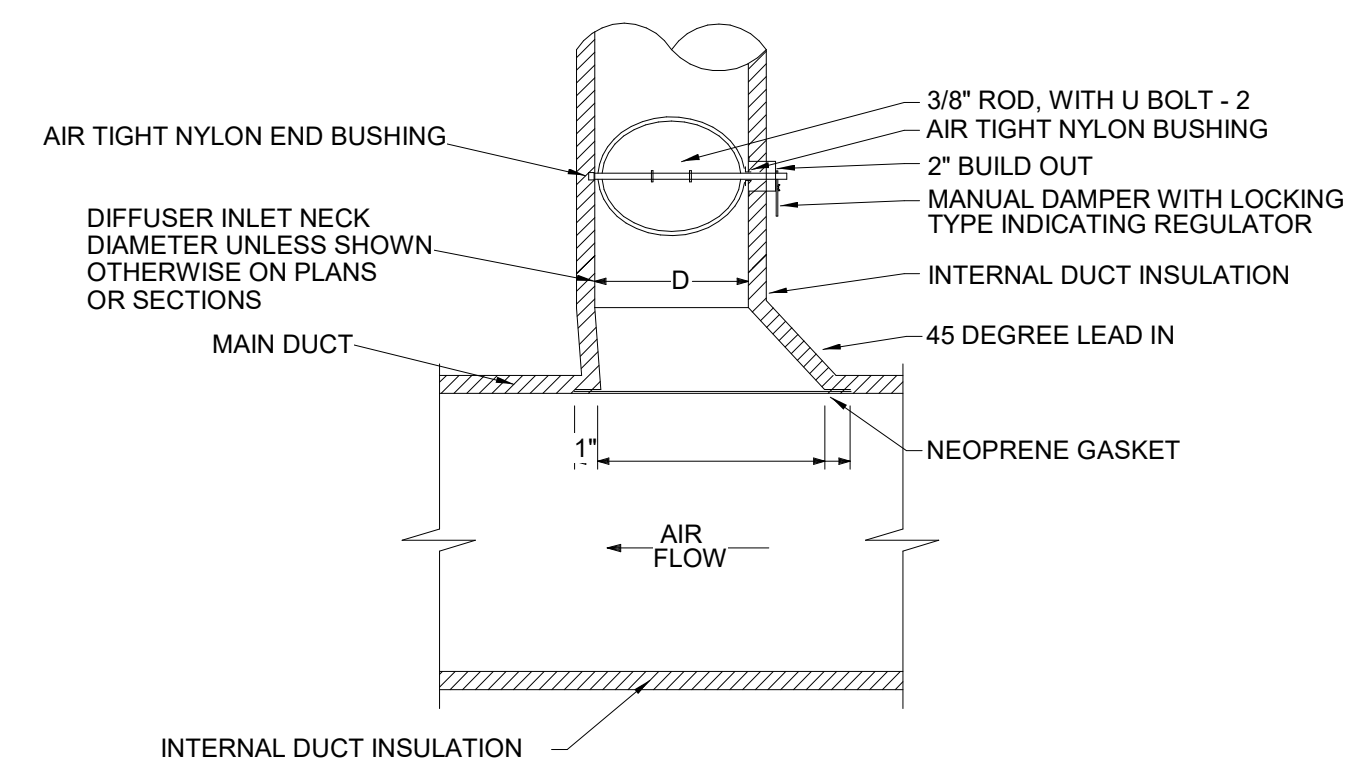
3 | DETAIL - DROP DIFFUSER
NTS



2 | DETAIL - CABINET EXHAUST FAN
NTS

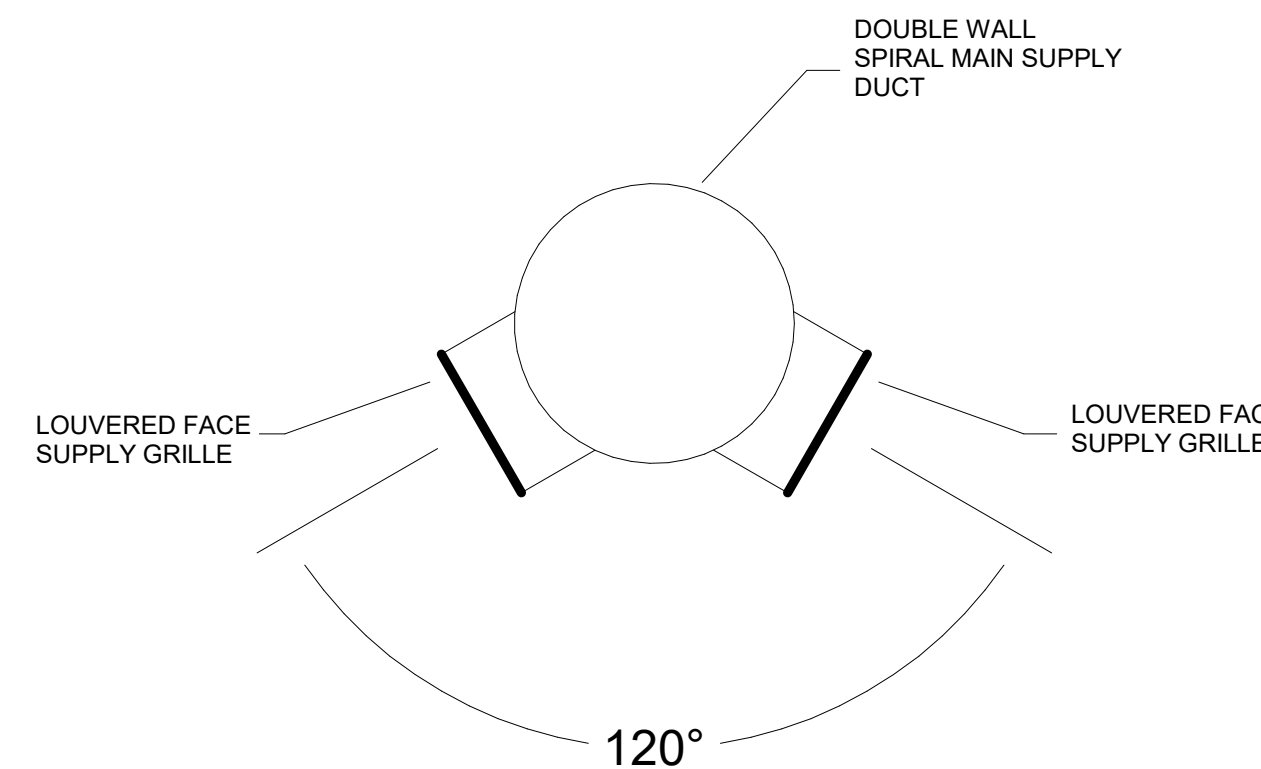


1 | DETAIL - AIR HANDLING UNIT, PLATFORM MOUNTED
1/8" = 1'-0"

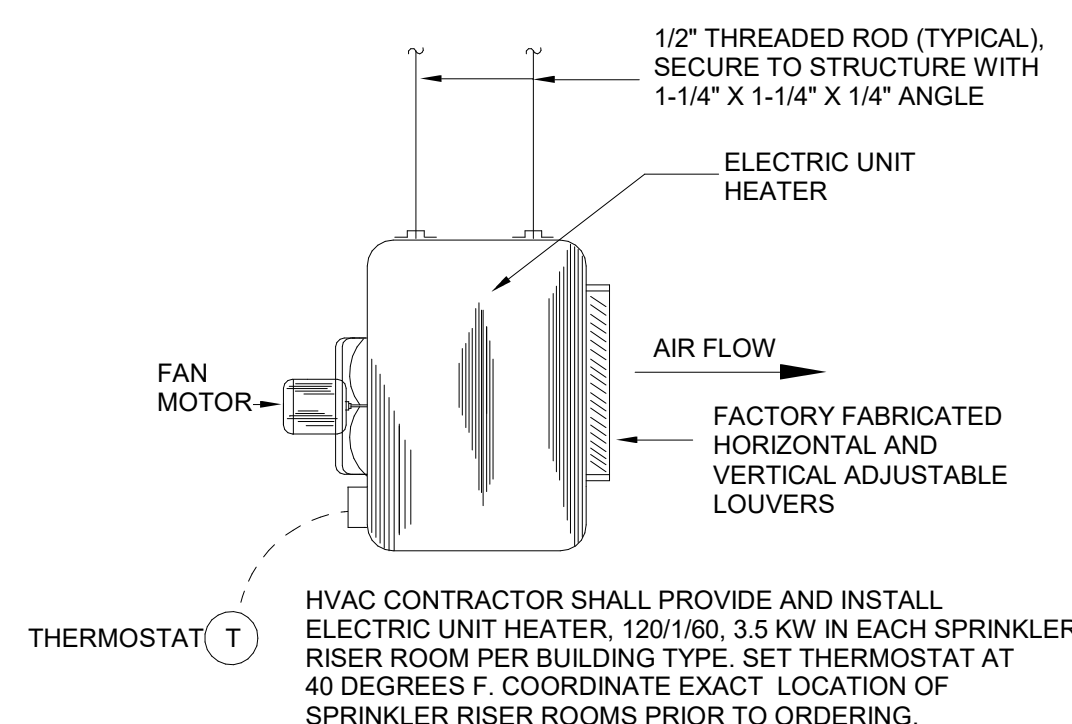


7 | DETAIL - EXTRACTOR & MANUAL DAMPER
NTS

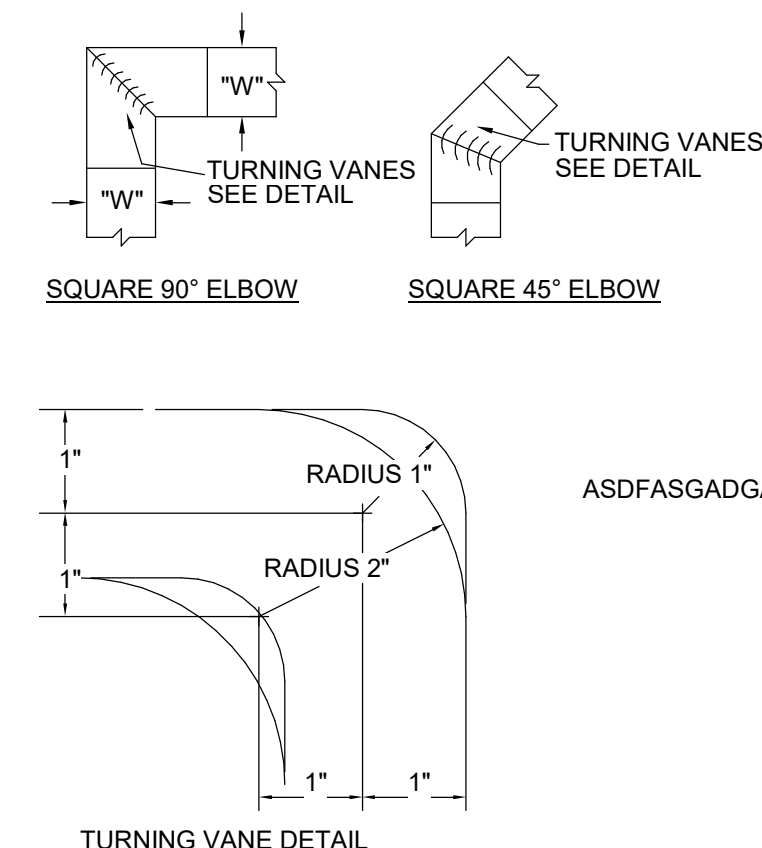
- NOTES:
1. THIS DETAIL FOR INTERNALLY INSULATED DUCTWORK.
 2. EXTEND ROUND SHEETMETAL DUCTWORK AND ASSOCIATED DUCT INSULATION FROM MAIN DUCT, SO FLEXIBLE DUCT LENGTH DOES NOT EXCEED 6 FEET.
 3. FLEX DUCT: FLEXMASTER TYPE 8M-R6, OR APPROVED EQUAL - SUBMIT SAMPLE FOR APPROVED EQUAL.



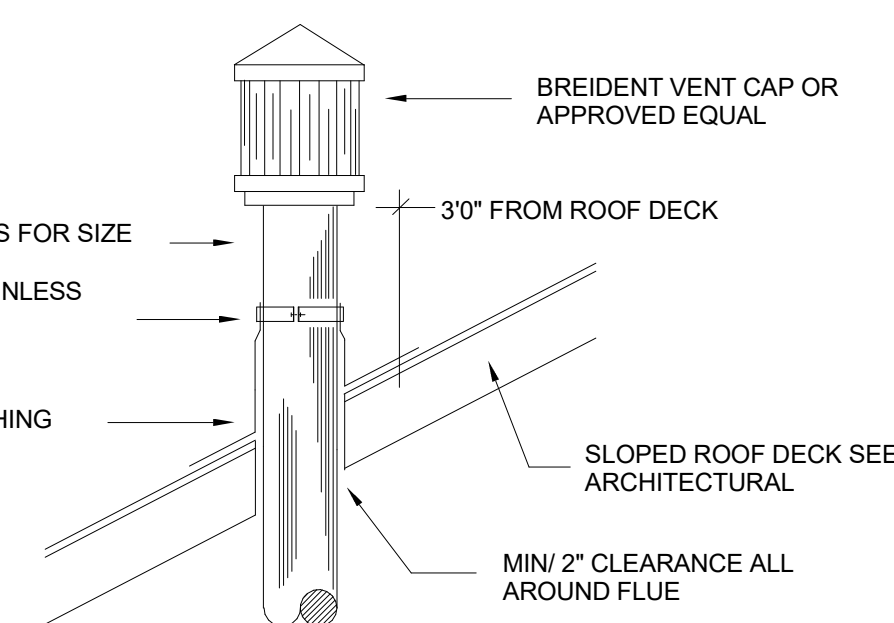
6 | DETAIL - EXPOSED SPIRAL DUCT CONFIGURATION
NTS



5 | DETAIL - ELECTRIC UNIT HEATER
1/8" = 1'-0"



4 | DETAIL - DUCT LAYOUT
NTS



8 | DETAIL - GAS FLUE
NTS

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ELECTRICAL SYMBOL LEGEND

GENERAL

KEYNOTE	KEYNOTE
A-1.3 CIRCUIT TAG, PANEL AND CIRCUIT DESIGNATION AS INDICATED; E.G. PANEL "A", CIRCUIT #1.3	

WIRE, CONDUIT, AND RACEWAY

ABOVE-SLAB CONDUIT & WIRE/CABLING	
BELOW-SLAB CONDUIT & WIRE/CABLING; 3/4" MINIMUM CONDUIT SIZE UON	
HOMERUN TO PANEL; TICK MARKS INDICATED NUMBER OF WIRES	

DISTRIBUTION

PANELBOARD, SWITCHBOARD, OR OTHER DISTRIBUTION EQUIPMENT AS NOTED; INSTALL WITH SUFFICIENT WORKING SPACE AND CLEARANCES TO MEET ALL REQUIREMENTS OF NEC SECTION 110.26.	
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GEN-ANNC

GENERATOR REMOTE ANNUNCIATOR PANEL; PROVIDE CONDUIT/CABLING TO GENERATOR AS REQUIRED PER THE MANUFACTURER'S SPECIFICATIONS.	
---	--

EQUIPMENT CONNECTIONS
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

FUSED SAFETY DISCONNECT SWITCH; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED WITH 36" MINIMUM CLEAR WORKING SPACE IN FRONT OF THE SWITCH; DO NOT MOUNT DIRECTLY TO EQUIPMENT	
JUNCTION BOX	
JUNCTION BOX FOR MOTORIZED DAMPER	
MOTOR RATED SWITCH WITH THERMAL OVERLOAD; LOCATE WITHIN SIGHT OF THE EQUIPMENT SERVED; DO NOT MOUNT DIRECTLY TO EQUIPMENT; WHEN LOCATED ABOVE CEILING, MOUNT TO STRUCTURAL MEMBER NEARBY.	
ELECTRICAL MOTOR, HORSEPOWER AS NOTED	

POWER DEVICES
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE)

DUPLEX RECEPTACLE	
DUPLEX RECEPTACLE MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING; SUBSCRIPT (WHEN USED); CR - CORD REEL	
ABOVE-COUNTER DUPLEX RECEPTACLE; MOUNT AT 6" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)	
GFCI DUPLEX RECEPTACLE	
ABOVE-COUNTER GFCI DUPLEX RECEPTACLE; MOUNT AT 6" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)	
QUADRUPLE RECEPTACLE	
ABOVE-COUNTER QUADRUPLE RECEPTACLE; MOUNT AT 6" ABOVE COUNTER OR BACKSPASH OR 44" (WHICHEVER IS LOWER)	
SPECIAL PURPOSE RECEPTACLE; VERIFY NEMA CONFIGURATION WITH THE MANUFACTURER OF THE EQUIPMENT SERVED	
VOICE/DATA/POWER FLUSH FLOOR BOX	
DUPLEX RECEPTACLE FLUSH FLOOR BOX	
QUADRUPLE RECEPTACLE FLUSH FLOOR BOX	

PUBLIC ADDRESS
(PROVIDE 3/4" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

PA SYSTEM SPEAKER	
PA SYSTEM SPEAKER VOLUME CONTROL	
PA SYSTEM SPEAKER MOUNT CALL-IN SWITCH	

ABBREVIATIONS

A AMPERE(S)	CATV CABLE TELEVISION
AC ABOVE COUNTER (6" ABOVE BACKSPASH)	CB CIRCUIT BREAKER
AF AMPERE FUSE RATING	CKT CIRCUIT
AFCI ARC FAULT CIRCUIT INTERRUPTER	CLG CLG
AFB ABOVE FINISHED FLOOR	CORR CORRIDOR
AFG ABOVE FINISHED GRADE	CT CURRENT TRANSFORMER
AIC AMPERE SYMMETRICAL INTERRUPTING CAPACITY RMS	CTRL CONTROLLER
AT AMPERE TRIP RATING	D TO BE DEMOLISHED
AWG AMERICAN WIRE GAUGE	DISC DISCONNECT
BG BELOW GRADE	DIST. DISTRIBUTION
BLDG BUILDING	DWG DRAWING
BKR BREAKER	E EXISTING TO REMAIN
C CONDUIT	EC EMPTY CONDUIT
CAT CATEGORY	ECB ENCLOSED CIRCUIT BREAKER

TELECOMMUNICATIONS
(JACKET COLORS TO BE PER THE OWNER'S STANDARDS IF APPLICABLE)

TELECOM TERMINAL BOARD; 0-1" THICK AC INDOOR GRADE; FIRE RETARDANT PLYWOOD, PAINTED AS SPECIFIED BY THE ARCHITECT OR OWNER	
DUPLEX DATA OUTLET; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, TWO (2) BLUE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD	
DUPLEX DATA OUTLET, AS ABOVE, MOUNTED FLUSH TO CEILING OR MOUNTED TO STRUCTURE IN AREAS WITH NO CEILING	
DUPLEX DATA OUTLET, AS ABOVE, MOUNTED ABOVE COUNTER	
DATA/VOICE OUTLET; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE AND ONE (1) WHITE CAT 6 CABLES FROM THE OUTLET TO THE TELECOM TERMINAL BOARD	
VOICE OUTLET; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) WHITE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD	
DUPLEX DATA FLUSH FLOOR BOX; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE OUTLET TO THE TELECOM TERMINAL BOARD	

WAP

WIRELESS ACCESS POINT (BY OWNER); PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) BLUE CAT 6 CABLE FROM THE ACCESS POINT LOCATION TO THE TELECOM TERMINAL BOARD	
---	--

TV

LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL TV WALL BOX WITH ONE DUPLEX RECEPTACLE, ONE DUPLEX DATA OUTLET, ONE COAX OUTLET, AND ONE SPARE GANG; PROVIDE 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING, ONE (1) WHITE CAT 6 CABLES AND 1" TO AN ACCESSIBLE LOCATION ABOVE CEILING TO THE TELECOM TERMINAL BOARD; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.	
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TV

LEGRAND EVOLUTION 4-GANG OR APPROVED EQUAL COMBO RECESSED FLOOR BOX WITH TWO (2) DUPLEX RECEPTACLES, FOUR (4) DATA OUTLETS (UNDER A SINGLE FRAME) AND SPEAKER CONNECTIONS; PROVIDE 1-1/4" TO AN ACCESSIBLE LOCATION ABOVE CEILING, FOUR (4) BLUE CAT 6 CABLES FROM THE BOX TO THE TELECOM TERMINAL BOARD; ROUTE 1" EC WITH PULL STRING FROM THE BOX TO THE TV WALL BOX IN THE SAME ROOM FOR SPEAKER CABLING; PROVIDE CONDUIT AND WIRE FOR POWER PER THE PANEL SCHEDULE.	
---	--

LIGHTING
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND PER THE MANUFACTURER'S SPECIFICATIONS FOR CONTROLS)

LIGHT FIXTURE; UPPERCASE LETTER(S) INDICATE FIXTURE TYPE; LOWERCASE LETTER(S) INDICATE ASSOCIATED CONTROLS ID; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTIONS AND MOUNTING TYPES	
EXIT LIGHT FIXTURE; ARROWS (IF USED) INDICATE DIRECTION; FILLED IN QUADRANT(S) INDICATE NUMBER AND ORIENTATION OF ILLUMINATED FACES; LETTER(S) INDICATE FIXTURE TYPE; SEE LIGHTING FIXTURE SCHEDULE FOR FIXTURE DESCRIPTION.	

OS

CEILING MOUNTED OCCUPANCY SENSOR WITH 360° COVERAGE; LOCATE AND INSTALL PER THE MANUFACTURER'S RECOMMENDATIONS; TEST AND ADJUST SENSITIVITY AFTER INSTALLATION AND SET TIME DELAY AS REQUIRED BY THE OWNER	
--	--

VS

CEILING MOUNTED OCCUPANCY SENSOR, AS ABOVE, CONFIGURED FOR VACANCY OPERATION	
--	--

P

PHOTOELECTRIC CELL, EXTERIOR RATED; AIM AND SHIELD SENSOR FROM INTERIOR AND EXTERIOR ARTIFICIAL LIGHT SOURCES	
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S

SWITCH; SUBSCRIPT (WHEN USED); NONE - SINGLE POLE TOGGLE SWITCH; 3 - THREE-WAY SWITCH; D - LINEAR SLIDE DIMMER SWITCH; 3D - THREE-WAY LINEAR SLIDE DIMMER SWITCH; O - WALL MOUNTED OCCUPANCY SENSOR; 3O - THREE-WAY SWITCH WITH OCCUPANCY SENSOR; a,b,c etc. - SWITCH ID	
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FIRE ALARM
(PROVIDE CONDUIT AND WIRE PER THE PANEL SCHEDULE FOR POWER AND CONDUIT AND CABLING PER THE MANUFACTURER'S SPECIFICATIONS)

FACP FIRE ALARM CONTROL PANEL	
FIRE ALARM SYSTEM PULL STATION	
FIRE ALARM SYSTEM STROBE	
FIRE ALARM SYSTEM CHIME/STROBE	
FIRE ALARM SYSTEM HORN/STROBE	
FIRE ALARM SYSTEM SPEAKER/STROBE	
FIRE ALARM SYSTEM CEILING MOUNT STROBE	
FIRE ALARM SYSTEM CEILING MOUNT CHIME/STROBE	
FIRE ALARM SYSTEM CEILING MOUNT HORN/STROBE	
FIRE ALARM SYSTEM CEILING MOUNT SPEAKER/STROBE	
FIRE ALARM SYSTEM CARBON MONOXIDE DETECTOR	
FIRE ALARM SYSTEM THERMAL DETECTOR	
FIRE ALARM SYSTEM DUCT SMOKE DETECTOR	
FIRE ALARM SYSTEM SMOKE DETECTOR	

SECURITY (EQUIPMENT PROVIDED BY OWNER/OTHERS)
(EQUIPMENT PROVIDED BY OTHERS)

JUNCTION BOX FOR KEYPAD; INSTALL 48" AFF AND PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING	
JUNCTION BOX FOR DOOR CONTACT (MAGNETIC LOCK); PROVIDE 3/4" EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING	
JUNCTION BOX FOR CARD READER; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING	
JUNCTION BOX FOR ELECTRIC STRIKE LOCK; PROVIDE 3/4" EC WITH PULL STRING FROM THE DOOR FRAME TO THE JUNCTION BOX AND FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING	
JUNCTION BOX FOR DOOR OPERATOR; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING NEAR THE CONTROLLED DOOR	
JUNCTION BOX FOR MOTION DETECTOR; PROVIDE 3/4" EC WITH PULL STRING FROM THE JUNCTION BOX TO AN ACCESSIBLE LOCATION ABOVE CEILING	
JUNCTION BOX FOR CEILING MOUNTED CAMERA; PROVIDE CAT 6 DATA CABLE TO THE TTB LOCATION FOR THIS CAMERA	
JUNCTION BOX FOR WALL MOUNTED CAMERA; PROVIDE CAT 6 DATA CABLE TO THE TTB LOCATION FOR THIS CAMERA	

SOUND
(PROVIDE 1" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

FLOOR MOUNTED MICROPHONE OUTLET	
CEILING MOUNTED SPEAKER	
WALL MOUNTED SPEAKER	

MISC
(PROVIDE 1" EC WITH PULL STRING FROM THE DEVICE LOCATION SHOWN ON THE DRAWINGS TO AN ACCESSIBLE LOCATION ABOVE CEILING)

WALL MOUNTED CLOCK; INTERCONNECT WITH THE EXISTING MASTER CLOCK SYSTEM IN THE SCHOOL.	
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ELECTRICAL GENERAL NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AS ADOPTED BY THE AHJ.
- THE WORDS "PROVIDE" AND "PROVIDED" AS USED HEREIN SHALL BE UNDERSTOOD TO MEAN, "PROVIDE COMPLETE IN PLACE," THAT IS "FURNISH AND INSTALL." EQUIPMENT AND MATERIAL INDICATED TO BE PROVIDED SHALL BE NEW UNLESS OTHERWISE NOTED AND SHALL BE OF THE MOST SUITABLE GRADE FOR THE PURPOSE INTENDED.
- ROUTE NEW CONDUIT AND WIRING CONCEALED IN WALLS AND CEILING WHERE POSSIBLE. COORDINATE INSTALLATION OF EXPOSED CONDUIT AND WIRING WITH THE ARCHITECT.
- CONTRACTOR SHALL PROVIDE ELECTRICAL SERVICE TO NEW HVAC UNITS AS FURNISHED BY THE MECHANICAL CONTRACTOR. VERIFY THE EXACT ELECTRICAL REQUIREMENTS WITH THE REVIEWED HVAC SUBMITTALS PRIOR TO ORDERING ELECTRICAL EQUIPMENT.
- BEFORE INSTALLATION, CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS TO THE ENGINEER FOR REVIEW COVERING PROPOSED LOCATIONS, MOUNTING, AND ROUTING FOR ALL CONDUITS, SERVICES, FITTINGS, GROUND RODS, SUPPORTS, ETC.
- CONTRACTOR IS RESPONSIBLE FOR OVER-CURRENT PROTECTIVE DEVICE SHORT CIRCUIT, COORDINATION, AND ARC-FLASH STUDIES.
- MATERIALS AND MANUFACTURERS NOTED ON DRAWINGS ARE TO BE USED AS BASIS OF DESIGN TO ESTABLISH QUALITY AND PERFORMANCE STANDARDS AND SHALL BE PROVIDED AS SPECIFIED. SUBSTITUTIONS WILL BE CONSIDERED WHERE SUFFICIENT PRODUCT INFORMATION IS PROVIDED TO MAKE A PROPER EVALUATION. REVIEW OF A SUBSTITUTION IS AT THE SOLE DISCRETION OF THE PROFESSIONAL.
- THE CONTRACTOR SHALL SUBMIT COPIES OF THE PRODUCT DATA, SHOP DRAWINGS, ETC. OF ALL MATERIALS NOTED ON THE DRAWINGS. ALL SUBMITTED PRODUCT DATA, SHOP DRAWINGS, ETC. SHALL BE MARKED WITH THE NAME OF THE PROJECT AND SHALL BEAR THE STAMP OF APPROVAL OF THE CONTRACTOR AS EVIDENCE THAT THE MATERIAL HAS BEEN CHECKED BY THE CONTRACTOR.
- DRAWINGS SPECIFIC TO THIS TRADE DO NOT LIMIT THE RESPONSIBILITY OR WORK REQUIRED BY THE CONTRACT DOCUMENTS. REFER TO DRAWINGS AND SPECIFICATIONS OF OTHER TRADES FOR COMPLETE INFORMATION PRIOR TO BID.
- WHERE CONFLICTS EXIST AMONG DRAWINGS, SPECIFICATIONS, AND EQUIPMENT SCHEDULES, THE MOST STRINGENT REQUIREMENT OR QUANTITY SHALL APPLY. NOTIFY THE ARCHITECT/ENGINEER OF ALL CONFLICTS FOR RESOLUTION OR INTERPRETATION.
- NO EQUIPMENT SHALL BE ORDERED OR INSTALLED UNTIL THE PROJECT ENGINEER HAS RECEIVED A COPY STAMPED "NO EXCEPTIONS TAKEN." "NO EXCEPTIONS TAKEN" DOES NOT RELIEVE THE CONTRACTOR FROM CONFORMANCE WITH THE CONTRACT. EXTEND TO QUANTITIES OR DIMENSIONS, IMPLY THAT THE EQUIPMENT CAN BE INSTALLED OR OPERATE SATISFACTORILY THAT THE EQUIPMENT CONTAINS ALL NECESSARY COMPONENTS, OR THAT IT WILL COORDINATE WITH OTHER REVIEWED ITEMS.
- OMISSION FROM THIS SHEET OF ANY ITEM SHOWN ELSEWHERE IN THE PLANS DOES NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR ANY ASSOCIATED WORK.
- COORDINATE INSTALLATION OF NEW ITEMS AND EQUIPMENT WITH THE OWNER'S REPRESENTATIVE AND THE WORK OF OTHER TRADES. THE CONTRACTOR SHALL INCUR ALL COSTS ASSOCIATED WITH THE RELOCATION OF EQUIPMENT CONFLICTING WITH NEW WORK BY OTHER TRADES THAT HAS NOT BEEN COORDINATED.
- COORDINATE ALL ASPECTS OF NEW SERVICE WITH UTILITY COMPANY AND INCLUDE ALL COSTS IN BID.
- WARNING TAPE SHALL BE INSTALLED 12 TO 18 INCHES BELOW GRADE OVER ALL CONDUITS.
- PROVIDE 1/4" MINIMUM DIAMETER PULL ROPE. PULL ROPE SHALL NOT BE NYLON STRING.
- FOR SERVICE ENTRANCE CONDUITS, UTILIZE LONG RADIUS (36") CONDUIT BENDS.
- ALL CONDUIT RISERS FROM UNDERGROUND SHALL HAVE RIGID METAL ELBS AND RISERS.
- PRIOR TO CONSTRUCTION, VERIFY THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES. AVOID DISTURBANCE OF EXISTING UTILITIES NOT INCLUDED IN THIS PROJECT.

LIGHTING GENERAL NOTES

- VERIFY THE EXACT LOCATION OF ALL LIGHTING SWITCHES WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION OF ALL LIGHTING FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLAN PRIOR TO ROUGH-IN.
- VERIFY THE EXACT LOCATION OF CEILING MOUNTED OCCUPANCY SENSORS WITH THE MANUFACTURER'S SPECIFICATIONS PRIOR TO INSTALLATION FOR MAXIMUM PERFORMANCE.
- EMERGENCY FIXTURES AND EXIT FIXTURES SHALL BE CONNECTED TO THE NEAREST LIGHTING CIRCUIT. BRANCH CIRCUIT WIRING TO EXIT FIXTURES AND TO BATTERY INVERTERS WITHIN FIXTURES WITH INTEGRAL BATTERY UNITS SHALL BE UNSWITCHED, CONNECTED AHEAD OF ANY CONTROL SWITCHING.
- WALL MOUNT TYPE "Z" FIXTURES ABOVE DOOR AS SHOWN ON DRAWINGS. COORDINATE WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- MOUNT TYPE "EM" FIXTURES 8'-0" AFF UNLESS OTHERWISE NOTED.
- VERIFY THE CEILING TYPES FOR ALL LIGHT FIXTURES TO BE FLUSH MOUNTED OR SUSPENDED AND ADJUST FIXTURE MOUNTING TYPES IN ACCORDANCE WITH THE CEILING TYPE, AS REQUIRED. CONTRACTOR SHALL PROVIDE ALL REQUIRED MOUNTING HARDWARE.
- ALL VANITY FIXTURES SHALL BE MOUNTED WITH 0-3" OF SPACE BETWEEN THE BOTTOM OF THE FIXTURE AND THE TOP OF THE MIRROR UNLESS OTHERWISE NOTED.
- VERIFY THE EXACT MOUNTING LOCATION FOR ANY PHOTOELECTRIC CELLS WITH THE ARCHITECT PRIOR TO ROUGH-IN. ALL PHOTOELECTRIC CELLS MUST FACE NORTH.
- CONTRACTOR SHALL CONFIRM COMPATIBILITY OF ALL LIGHTING CONTROL DEVICES/SWITCHES/DIMMERS WITH LIGHTING FIXTURES AND BALLAST/DRIVERS PRIOR TO SUBMITTAL.
- COORDINATE LOCATION OF LIGHT FIXTURES WITH DIVISION 1523 PLANNED EQUIPMENT LOCATION AND DUCT INSTALLATION. WALL MOUNT LIGHTS OR PROVIDE PENDANT MOUNTING AS REQUIRED TO ILLUMINATE THE SPACE.
- WHERE MULTIPLE OCCUPANCY SENSORS ARE SHOWN IN THE SAME AREA, MOTION DETECTION BY ONE SENSOR SHALL ILLUMINATE ALL LIGHTING IN THE RESPECTIVE AREA.

TELECOMMUNICATIONS GENERAL NOTES

- PROVIDE 1" CONDUIT AND TWO (2) CAT 6 CABLES AT EACH DATA OUTLET SHOWN. ROUTE TO ABOVE CEILING AND ROUTE TO TELEPHONE BACKBOARD IN IT ROOM. TERMINATE AND CONNECT STATION CABLES TO PATCH PANEL, FOLLOWING THE OWNER'S LABELING CONVENTIONS FOR ALL HORIZONTAL CABLING.
- OWNER SHALL PROVIDE THE WALL MOUNT DATA RACK, ALL ITEMS INCLUDED IN THE DATA RACK, AND ANY NECESSARY TELEPHONE EQUIPMENT.
- PLYWOOD FOR BACKBOARDS SHALL BE 0-1" AC INDOOR GRADE, FIRE RETARDANT, AND PAINTED AS SPECIFIED.
- COMMON BOND RACKS, PATCH PANELS, CABLE SHIELDS, PROTECTORS, AND THE BUILDING MAIN ELECTRICAL GROUNDING CONDUCTORS SHALL BE, AT MINIMUM, #6 AWG INSULATED AND STRANDED COPPER. FASTENERS SHALL BE RECESSED AND ANCHORED.
- SUBMIT DIGITAL PHOTOGRAPHS OF ALL TERMINATIONS TO MAIN ELECTRICAL SERVICE GROUNDING MEANS.
- ALL BACKBOARDS SHALL BE EQUIPPED WITH D-RINGS SPACED AT 1'-0" APART AROUND ALL EDGES OF THE PLYWOOD TO SUPPORT CABLE AND WIRE.
- CAT 6 CABLES FOR DATA OUTLETS SHALL HAVE BLUE JACKETS AND CAT 6 CABLES FOR VOICE OUTLETS SHALL HAVE WHITE JACKETS.

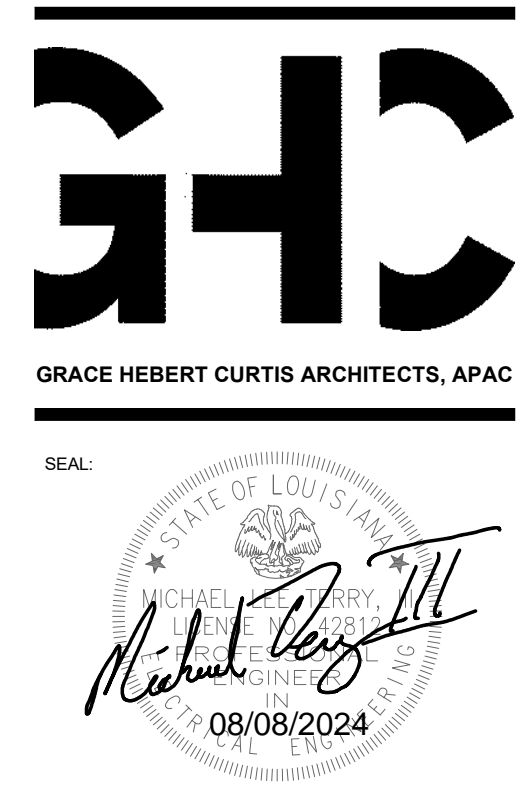
SPECIAL SYSTEMS GENERAL NOTES

- VERIFY EXACT LOCATION, VOLTAGE, PHASE, AMPERAGE, ETC. OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING ELECTRICAL GEAR.
- INTERCONNECT THE HOOD EXHAUST AND SUPPLY FANS WITH HOOD EXTINGUISHING SYSTEM SUCH THAT WHEN HOOD EXTINGUISHING SYSTEM IS ACTIVATED, THE EQUIPMENT BELOW THE HOOD AND HOOD SUPPLY FAN ARE DE-ENERGIZED AND THE HOOD EXHAUST FAN WILL START IF NOT RUNNING.
- INTERCONNECT THE HOOD EXTINGUISHING SYSTEM WITH THE FIRE ALARM SYSTEM IF APPLICABLE.
- FOR ALL CAMERA LOCATIONS, PROVIDE ONE (1) GREEN JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
- FOR ALL WIRELESS ACCESS POINT LOCATIONS, PROVIDE ONE (1) YELLOW JACKETED CAT 6 CABLE IN 3/4" CONDUIT BACK TO ASSOCIATED DATA CLOSET.
- PROVIDE AN ADDITIONAL 10% OR ONE (1), WHICHEVER IS GREATER, OF THE FOLLOWING DEVICES WHICH ARE INCLUDED IN THE PROJECT, AND INSTALL THEM AT THE DIRECTION OF THE ARCHITECT, ENGINEER, OR AHJ DURING THE COURSE OF THE PROJECT. PROVIDE ALL REQUIRED CONDUIT, INTERCONNECTIONS, CONDUCTORS, PROGRAMMING, ETC. AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. INITIATING DEVICES (PULL STATIONS, SMOKE DETECTORS, THERMAL DETECTORS, ETC.), NOTIFICATION APPLIANCES (STROBES, HORN STROBES, SPEAKER STROBES, SPEAKERS, DUCT DETECTORS, ETC.), AND MONITORING MODULES.
- VERIFY REQUIRED QUANTITY OF DUCT DETECTORS WITH DUCTWORK CONFIGURATION AS IT IS ACTUALLY INSTALLED. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

DEMOLITION GENERAL NOTES

- THE LOCATIONS OF EXISTING CIRCUITS AND EQUIPMENT ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL DEVICES, EQUIPMENT, AND WIRING BEFORE COMMENCING WORK AND AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL EXISTING PORTIONS OF THE ELECTRICAL SYSTEMS.
- THE CONTRACTOR SHALL REMOVE SUCH EXISTING WORK AS CALLED FOR ON THE DRAWINGS OR AS REQUIRED TO CLEAR THE AREAS OF NEW CONSTRUCTION.
- ALL EQUIPMENT REMOVED THAT IS NOT BEING REUSED SHALL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF AS REQUIRED.
- EXCEPT AS OTHERWISE NOTED, ALL EXISTING ELECTRICAL WORK WHICH WILL NOT BE RENDERED OBSOLETE AND WHICH MAY BE DISTURBED DUE TO ANY CHANGES REQUIRED UNDER THIS CONTRACT, SHALL BE RESTORED TO ITS ORIGINAL OPERATING CONDITION. OTHER ELECTRICAL WORK OR MATERIAL RENDERED OBSOLETE SHALL BE ABANDONED WHERE CONCEALED AND REMOVED WHERE EXPOSED. OLD, UNUSED WIRING AND DEVICES SHALL BE REMOVED FROM THE ABANDONED (CONCEALED) CONDUITS. OUTLETS SHALL BE PROVIDED WITH BLANK COVERS. ANY CONDUITS STUBBED OUT OF MASONRY SURFACE SHALL BE CUT INTO SURFACE AND PATCHED.
- WHERE EXISTING ELECTRICAL WORK INTERFERES WITH NEW WORK AND WHERE SUCH INSTALLATIONS ARE TO REMAIN IN USE, THE INSTALLATIONS SHALL BE DISCONTINUED AND RELOCATED AND/OR RECONNECTED TO COORDINATE WITH THE WORK INDICATED ON THE CONTRACT DRAWINGS AS SPECIFIED.
- REMOVED BACK TO THE NEAREST JUNCTION BOX OR PULL BOX AND THE OPENINGS BLANKED.
- CONTRACTOR SHALL MAINTAIN CONTINUITY OF BRANCH CIRCUITS SERVING MULTIPLE ITEMS OF WHICH ONE OR MORE ARE BEING DEMOLISHED. CONDUCTORS AND CONDUITS FOR THOSE ITEMS BEING DEMOLISHED SHALL BE REMOVED AS FAR AS PRACTICABLE.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE ALL EXISTING ELECTRICAL EQUIPMENT AND DATA WIRING NOT REUSED OR NOT NECESSARY FOR THE COMPLETION OF THIS PROJECT.
- IF ANY BRANCH CIRCUIT WIRING FEEDING EQUIPMENT TO REMAIN IN PLACE FOR REUSE IS DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE THE NEW BRANCH CIRCUIT WIRING OF THE SAME SIZE AND TYPE AS THAT OF THE EXISTING AT NO COST TO THE OWNER.
- EXISTING DEVICES ARE SHOWN IN GRAY. CONDUIT AND WIRING ARE NOT GENERALLY SHOWN AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ADDITIONAL DEMOLITION WORK AND CLARIFICATION OF INDICATED WORK WILL BE GIVEN BY RFI.
- COORDINATE THE REMOVAL AND REINSTALLATION (OR PROTECTION IN PLACE) OF EXISTING ELECTRICAL EQUIPMENT AND DEVICES WITH THE WORK OF OTHER TRADES TO REPLACE OR REFINISH EXISTING WALLS AND CEILING.
- WHERE EXISTING CIRCUITS ARE BEING REMOVED IN EXISTING PANELS, PROVIDE A NEW, NEATLY TYPED DIRECTORY WHICH INDICATES WHERE "SPARE" BREAKERS ARE LOCATED. ANY EXISTING BREAKERS THAT ARE NOT FEEDING DEVICES SHALL REMAIN AND BE LABELED AS A "SPARE."

ELECTRICAL SHEET INDEX	
E0.1	ELECTRICAL COVER SHEET
E0.2	DEMOLITION PLANS
E0.3	ELECTRICAL SITE PLAN
E1.0	POWER PLANS
E2.0	LIGHTING PLANS
E3.0	LOW VOLTAGE PLANS
E4.0	RISE/RISER DIAGRAM & SCHEDULES
E5.0	SCHEDULES & ELECTRICAL DETAILS
E5.1	ELECTRICAL DETAILS



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ELECTRICAL COVER SHEET

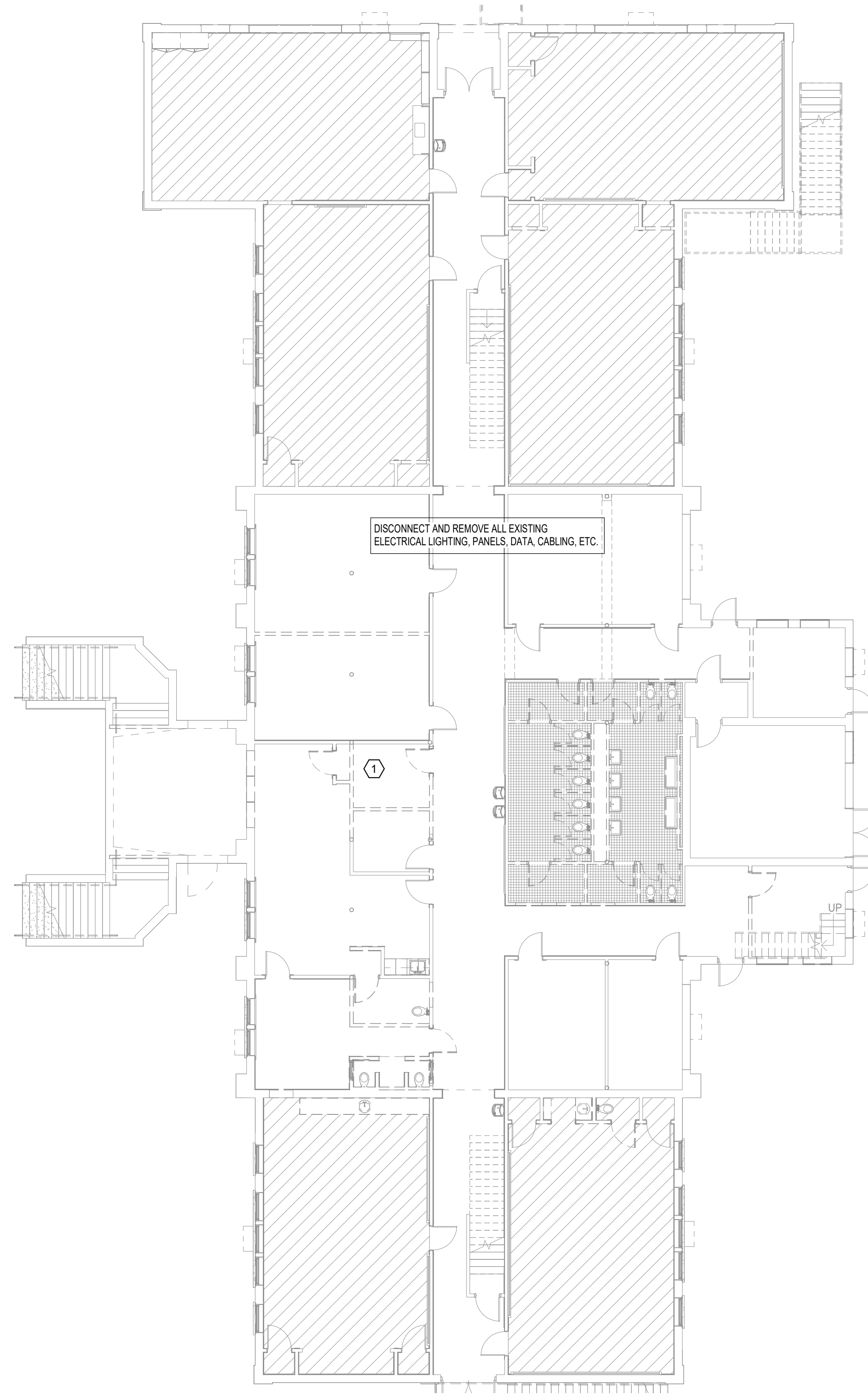
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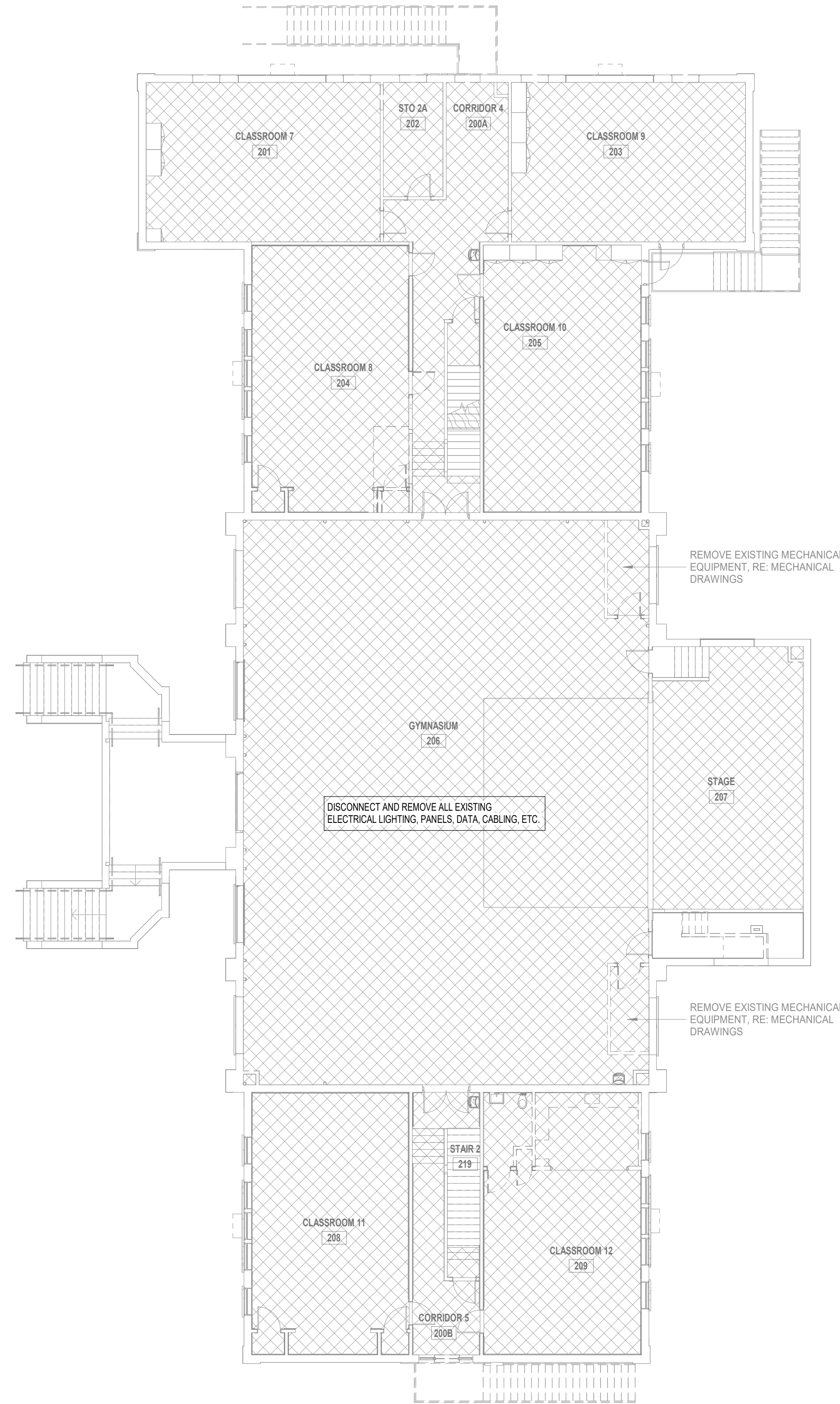


ELECTRICAL KEY NOTES

- 1 EXISTING DATA CABINET LOCATION. PRESERVE THE EXISTING FIBER OPTIC CABLE AT THIS LOCATION FOR REUSE DURING CONSTRUCTION.



1 1ST FLOOR DEMOLITION PLAN
3/32" = 1'-0"



2 2ND FLOOR DEMOLITION PLAN
3/32" = 1'-0"



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SEAL:



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DEMOLITION PLANS

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ELECTRICAL KEY NOTES

- ① LOCATION OF THE EXISTING 120/240V, 3P, 4W POLE MOUNTED TRANSFORMERS PRESENTLY FEEDING THE BUILDING FOR POWER.
- ② LOCATION OF THE EXISTING TELECOR II INTERCOM SYSTEM HEAD IN EQUIPMENT. PROVIDE ALL REQUIRED HARDWARE, SOFTWARE, INTERCONNECTIONS, ETC. AS REQUIRED TO EXTEND NEW INTERCOM SERVICE TO THE GYM BUILDING.
- ③ LOCATION OF THE EXISTING MODULAR FACP. PROVIDE A NEW FACP WITH VOICE EVACUATION CAPABILITY AT THIS LOCATION AS REQUIRED TO EXTEND A NEW VOICE EVACUATION FIRE ALARM SYSTEM TO THE GYM BUILDING.



1 ELECTRICAL SITE PLAN
 1" = 30'-0"



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ELECTRICAL SITE PLAN

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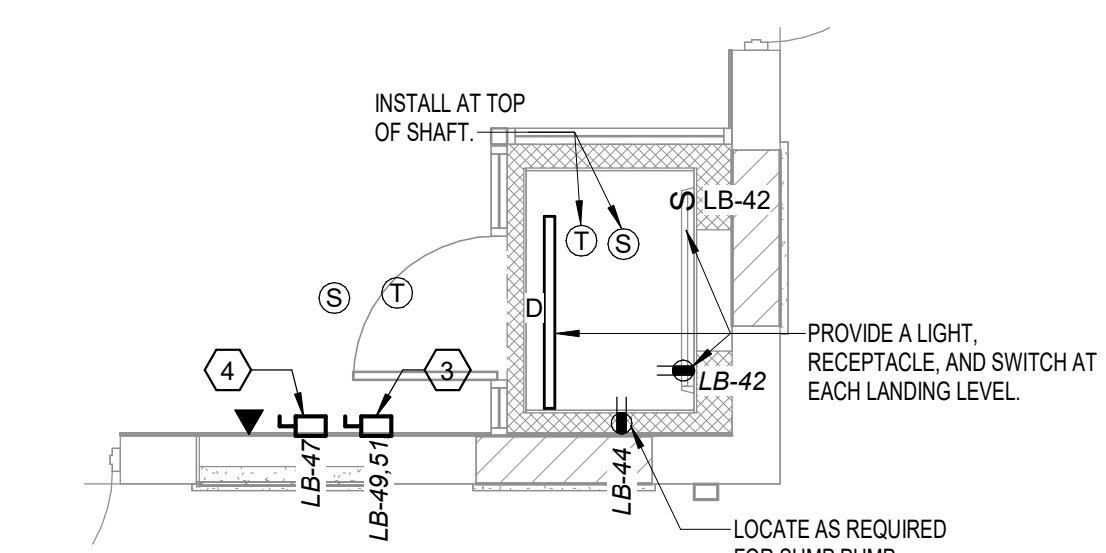
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ELECTRICAL KEY NOTES

- 1 LOCATE AS REQUIRED FOR PROMETHEAN BOARD.
- 2 UTILIZE THE STAGE POCKET TO CONCEAL CONDUIT FOR THE RECEPTABLES ON THE STAGE WALL. CONDUIT SHALL NOT BE VISIBLE FROM THE GYM SIDE.
- 3 ELEVATOR CONTROL POWER MODULE.
- 4 LOCATE AS REQUIRED FOR ELEVATOR LIGHTS.
- 5 ALL CONDUIT ROUTING FROM PANELS SHALL BE COORDINATED WITH ARCHITECT AND MECHANICAL CONTRACTOR. ALL CONDUIT SHALL BE CONCEALED, WHERE CONCEALABLE. COORDINATE PAINT COLOR WITH ARCHITECT AS REQUIRED.

3 ELEVATOR EQUIPMENT ROOM ENLARGED PLAN 1/4" = 1'-0"



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

2 2ND POWER FLOOR PLAN
1/8" = 1'-0"

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POWER PLANS

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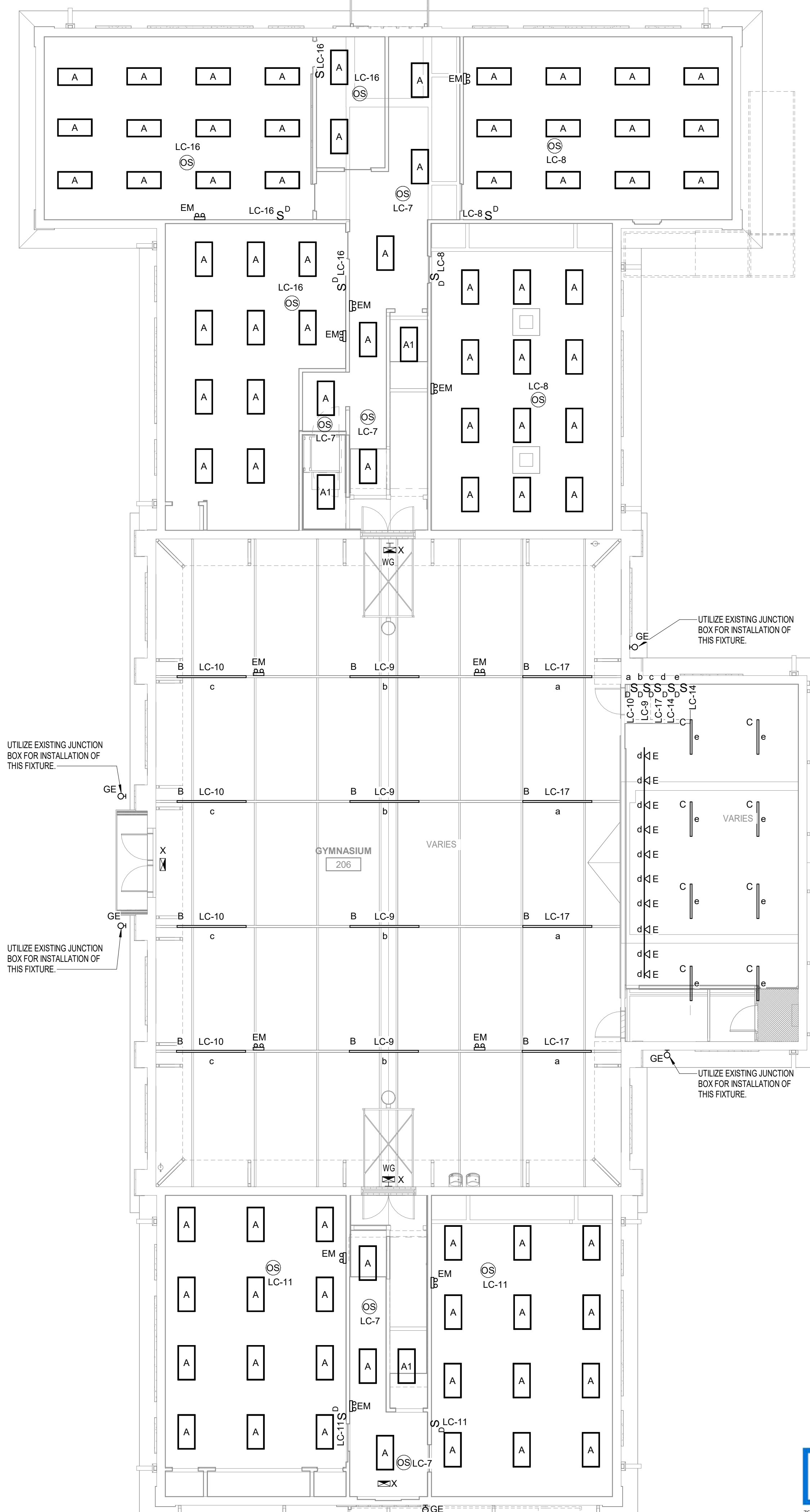
LIGHTING PLANS

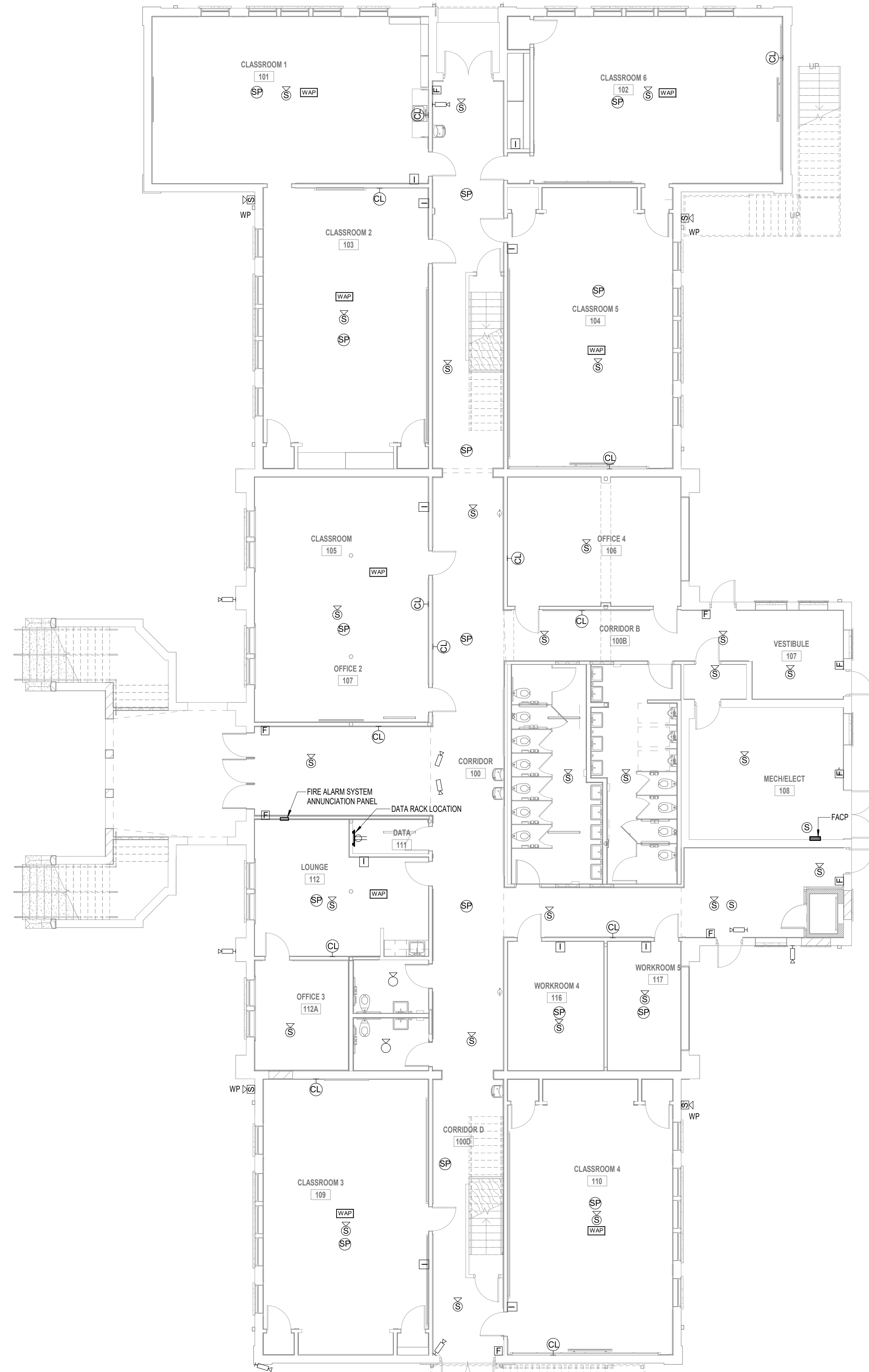
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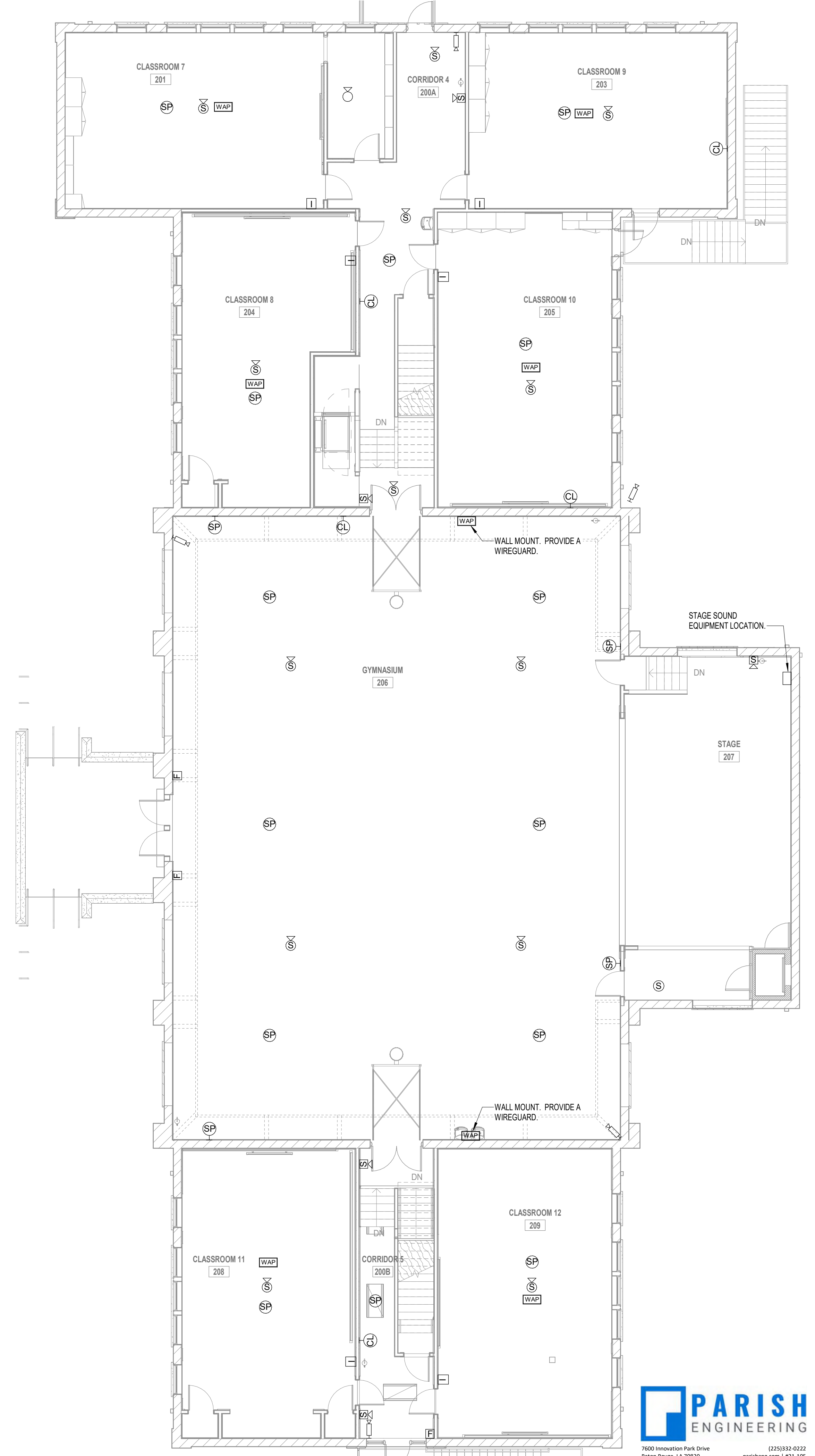


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1 1ST FLOOR LOW VOLTAGE PLAN
1/8" = 1'-0"



2 2ND FLOOR LOW VOLTAGE PLAN
1/8" = 1'-0"



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LOW VOLTAGE PLANS

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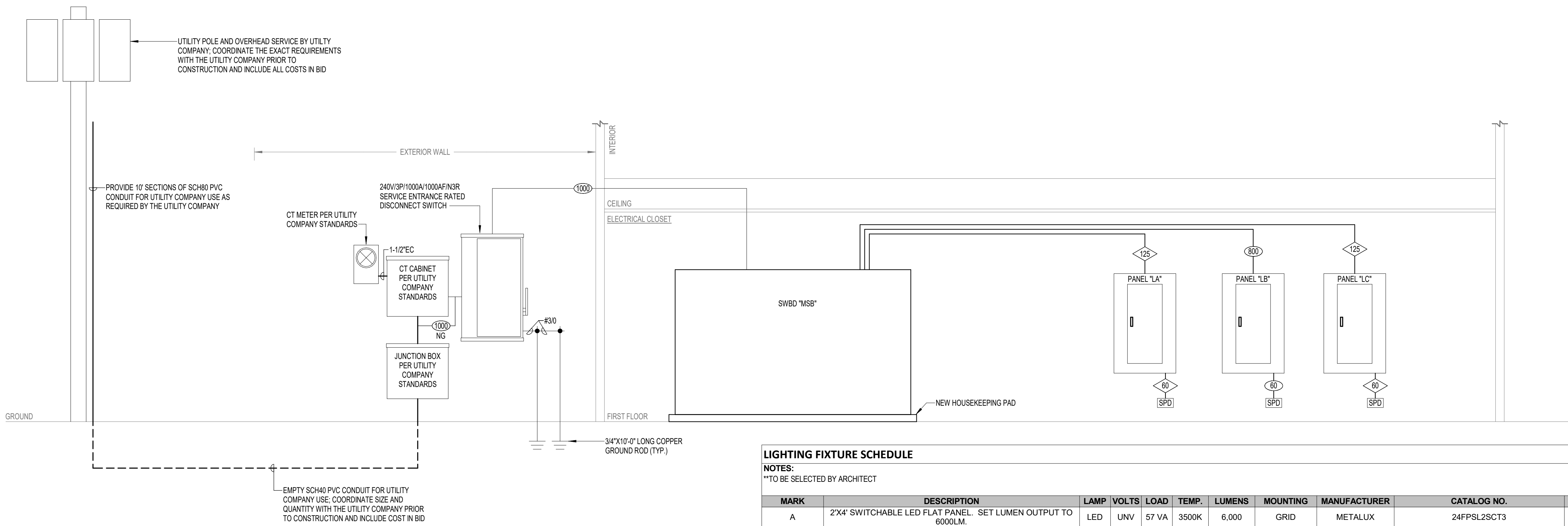
4-WIRE FEEDER SCHEDULE			
STD. FUSE OR BKR TRIP SIZE	# OF SETS	WIRE QUANTITY AND SIZE	CONDUIT SIZE (MINIMUM)
30	1	4#10 THWN, 1#10 GND	3/4"
60	1	4#6 THWN, 1#6 GND	1"
800	3	4#300 THWN MCM, 1#10 GND	2-1/2"
1000	3	4#400 THWN MCM, 1#30 GND	3"

NOTES:
 1. ALL FEEDER SIZES LISTED MAY NOT BE SHOWN IN POWER RISER DIAGRAM.
 2. ELECTRICAL CONTRACTOR TO VERIFY SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
 3. REFER TO THE LATEST EDITION OF THE NEC FOR CONDUIT TYPES REQUIRED PER THEIR TABLES.
 4. ALL CONDUCTORS TO BE COPPER.
 5. "VD" INDICATES WIRE UPSIZED FOR VOLTAGE DROP.
 6. "T" INDICATES TRANSFORMER FEED, NO NEUTRAL REQUIRED.
 7. "E" INDICATES EXISTING CONDUIT/CONDUCTOR.
 8. "NG" INDICATES NO GROUND REQUIRED.

3-WIRE FEEDER SCHEDULE			
STD. FUSE OR BKR TRIP SIZE	# OF SETS	WIRE QUANTITY AND SIZE	CONDUIT SIZE (MINIMUM)
30	1	3#10 THWN, 1#10 GND	3/4"
60	1	3#6 THWN, 1#6 GND	3/4"
125	1	3#1 THWN, 1#6 GND	1-1/4"
200	1	3#3/0 THWN, 1#6 GND	1-1/2"

NOTES:
 1. ALL FEEDER SIZES LISTED MAY NOT BE SHOWN IN POWER RISER DIAGRAM.
 2. ELECTRICAL CONTRACTOR TO VERIFY SIZE REQUIRED IF WIRE TYPES OTHER THAN THOSE LISTED ABOVE ARE USED.
 3. REFER TO THE LATEST EDITION OF THE NEC FOR CONDUIT TYPES REQUIRED PER THEIR TABLES.
 4. ALL CONDUCTORS TO BE COPPER.
 5. "VD" INDICATES WIRE UPSIZED FOR VOLTAGE DROP.
 6. "T" INDICATES TRANSFORMER FEED, NO NEUTRAL REQUIRED.
 7. "E" INDICATES EXISTING CONDUIT/CONDUCTOR.
 8. "NG" INDICATES NO GROUND REQUIRED.

1 ELECTRICAL RISER DIAGRAM
N.T.S.



LIGHTING FIXTURE SCHEDULE

NOTES:
**TO BE SELECTED BY ARCHITECT

MARK	DESCRIPTION	LAMP	VOLTS	LOAD	TEMP.	LUMENS	MOUNTING	MANUFACTURER	CATALOG NO.	COUNT
A	2'X4' SWITCHABLE LED FLAT PANEL. SET LUMEN OUTPUT TO 6000LM.	LED UNV	57 VA	3500K	6,000	GRID	METALUX		24FPSL2SCT3	150
A1	2'X4' SWITCHABLE LED FLAT PANEL. SET LUMEN OUTPUT TO 6000LM. PROVIDE A GYP CEILING ADAPTOR.	LED UNV	57 VA	3500K	6,000	SURFACE	METALUX		24FPSL2SCT3-DF-24W-U	75
A2	1'X4' LED FLAT PANEL	LED UNV	37 VA	3500K	4,000	GRID	METALUX		14FPSL1SCT3	10
B	8' LED LINEAR LIGHT WITH 270 DEGREE DISTRIBUTION.	LED UNV	220 VA	3500K	32,000	SUSPENDED	LUX DYNAMICS		360P-8-RDL-835-U1-SM-CA-GYM	12
C	4' LED STRIP LIGHT WITH SEMI-FROSTED LENS. PROVIDE SUSPENSION HARDWARE AS REQUIRED.	LED UNV	30 VA	3500K	5,000	SUSPENDED	METALUX		4ST2L40SC3	16
D	ENCLOSED AND GASKETED STRIP LIGHT.	LED UNV	30 VA	3500K	5,000	WALL	LITHONIA LIGHTING		FEM	1
E	LED TRACK HEAD	LED	120	10 VA	3500K	1,800	TRACK	JUNO	T382L-G2-35K-80CRI-PDIM=NFL-*	10
EM	EMERGENCY LIGHTING UNIT EQUIPMENT WITH TWO ADJUSTABLE LED HEADS. INTEGRAL BATTERY WITH SELF-DIAGNOSTICS.	LED UNV	2 VA	N/A	N/A	CEILING/WALL	LITHONIA LIGHTING		ELM6L	34
F	WET LOCATION RATED CANOPY FIXTURE WITH BATTERY BACK UP	LED UNV	30 VA	3500K	1,000	RECESSED	VERSALED		VR7-T-28L-QT-40K-EBLED9W	4
GE	ARCHITECTURAL LED WALL PACK WITH EMERGENCY BATTERY BACKUP TO BE SELECTED BY ARCHITECT	LED	120	30 VA	**	**	WALL	**	**	5
X	EXIT SIGN WITH RED LETTERS. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS INDICATED.	LED UNV	1 VA	N/A	N/A	CEILING/WALL	LITHONIA LIGHTING		LQM-S-W-3-R-120/277-ELN-SD	9
Z	WET LOCATION LED EMERGENCY UNIT EQUIPMENT WITH INTEGRAL BATTERY BACKUP	LED UNV	1 VA	N/A	N/A	WALL	LITHONIA LIGHTING		AFF-OEL-**-UVOLT-LTP-SDRT-WT	2

Switchboard: MSB							
Location: MECH/ELECT 108		Volts: 120/240 DELTA		A.I.C. Rating: 42,000			
Supply From:		Phases: 3		Main Rating: 1000 A			
Mounting:		Wires: 4		MCB Rating: 1000 A			
Enclosure:							
Notes:							
CKT	LA	Circuit Description	# of Poles	Frame Size	Trip Rating	Load	Remarks
1	LA		2	125 A	125 A	31200 VA	
2	LB		3	800 A	800 A	288644 VA	
3	LC		2	125 A	125 A	13746 VA	
4	SPD		3	60 A	60 A	0 VA	
Total Conn. Load:						333960 VA	
Total Amps:						803 A	
Legend:							
Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals			
Cooling	43170 VA	0.01%	4 VA				
Heating	96000 VA	100.00%	96000 VA				Total Conn. Load: 333960 VA
Motor	3360 VA	111.16%	3735 VA				Total Est. Demand: 284172 VA
Receptacle	30960 VA	66.15%	20480 VA				Total Conn.: 803 A
Power	23256 VA	100.00%	23256 VA				Total Est. Demand: 684 A
Lighting	14240 VA	125.00%	17800 VA				
HVAC	123318 VA	100.00%	123318 VA				
Notes:							

BRANCH PANEL:														LA	
VOLTAGE:		120/240 SINGLE		LOCATION:		MECH/ELECT 108		NOTES:							
PHASES, WIRES:		1Ø, 3W		SUPPLY FROM:		MSB									
AIC RATING:		10,000		MOUNTING:		SURFACE									
MINIMUM BUS AMPACITY:		125 A		ENCLOSURE TYPE:		NEMA-1									
MCB RATING:		125 A		NUMBER OF SECTIONS:		2									
CKT	TRIP	POLES	WIRE	GND	CONDUIT	DESCRIPTION	A	B	DESCRIPTION	CONDUIT	GND	WIRE	POLES	TRIP	CKT
1	20 A	1	2#12	#12	3/4"	CLRM 1 RECEPTACLE	0.7 kVA	0.7 kVA	CLRM 1 RECEPTACLE	3/4"	#12	2#12	1	20 A	2
3	20 A	1	2#12	#12	3/4"	CLRM 2 RECEPTACLE		0.9 kVA	CLRM 2 RECEPTACLE	3/4"	#12	2#12	1	20 A	4
5	20 A	1	2#12	#12	3/4"	CLRM 5 RECEPTACLE	0.7 kVA	0.9 kVA	CLRM 5 RECEPTACLE	3/4"	#12	2#12	1	20 A	6
7	20 A	1	2#12	#12	3/4"	OFFICE 4 RECEPTACLE		0.9 kVA	BOYS RR RECEPTACLE	3/4"	#12	2#12	1	20 A	8
9	20 A	1	2#12	#12	3/4"	GIRLS RR 110 RECEPTACLE	0.2 kVA	0.4 kVA	MECH/ELECT 108 RECEPTACLE	3/4"	#12	2#12	1	20 A	10
11	20 A	1	2#12	#12	3/4"	RR RECEPTACLE		0.4 kVA	WORKROOM 4 RECEPTACLE	3/4"	#12	2#12	1	20 A	12
13	20 A	1	2#12	#12	3/4"	WORKROOM 5 RECEPTACLE	0.7 kVA	0.5 kVA	CLRM 3 RECEPTACLE	3/4"	#12	2#12	1	20 A	14
15	20 A	1	2#12	#12	3/4"	CLRM 4 RECEPTACLE		0.7 kVA	CORRIDOR RECEPTACLE	3/4"	#12	2#12	1	20 A	16
17	20 A	1	2#12	#12	3/4"	CORRIDOR RECEPTACLE	0.9 kVA	0.2 kVA	CORRIDOR 100 EWC	3/4"	#12	2#12	1	20 A	18
19	20 A	1	2#12	#12	3/4"	CLRM 9 RECEPTACLE		0.5 kVA	CLRM 9 RECEPTACLE	3/4"	#12	2#12	1	20 A	20
21	20 A	1	2#12	#12	3/4"	CLRM 8 RECEPTACLE	0.7 kVA	0.5 kVA	CLRM 8 RECEPTACLE	3/4"	#12	2#12	1	20 A	22
23	20 A	1	2#12	#12	3/4"	CLRM 11 RECEPTACLE		0.7 kVA	CLRM 11 RECEPTACLE	3/4"	#12	2#12	1	20 A	24
25	20 A	1	2#12	#12	3/4"	CLRM 12 RECEPTACLE	0.7 kVA	0.7 kVA	CLRM 12 RECEPTACLE	3/4"	#12	2#12	1	20 A	26
27	20 A	1	2#12	#12	3/4"	STAGE RECEPTACLE		0.7 kVA	STAGE RECEPTACLE	3/4"	#12	2#12	1	20 A	28
29	20 A	1	2#12	#12	3/4"	STAGE SOUND RECEPTACLE	0.4 kVA	0.5 kVA	MECH YARD RECEPTACLE	3/4"	#12	2#12	1	20 A	30
31	20 A	1	2#12	#12	3/4"	CLRM 6 RECEPTACLE		0.7 kVA	CLRM 6 RECEPTACLE	3/4"	#12	2#12	1	20 A	32
33	20 A	1	2#12	#12	3/4"	OFFICE 1 RECEPTACLE	0.9 kVA	0.7 kVA	OFFICE 3 RECEPTACLE	3/4"	#12	2#12	1	20 A	34
35	20 A	1	2#12	#12	3/4"	OFFICE 1 RECEPTACLE		0.7 kVA	CLRM 4 RECEPTACLE	3/4"	#12	2#12	1	20 A	36
37	20 A	1	2#12	#12	3/4"	LOUNGE RECEPTACLE	0.9 kVA	0.9 kVA	CLRM 7 RECEPTACLE	3/4"	#12	2#12	1	20 A	38
39	20 A	1	2#12	#12	3/4"	CLRM 3 RECEPTACLE		0.7 kVA	CLRM 10 RECEPTACLE	3/4"	#12	2#12	1	20 A	40
41	20 A	1	2#12	#12	3/4"	CLRM 7 RECEPTACLE	0.7 kVA	0.7 kVA	GYM RECEPTACLE	3/4"	#12	2#12	1	20 A	42
43	20 A	1	2#12	#12	3/4"	CLRM 10 RECEPTACLE		0.7 kVA	GYM RECEPTACLE	3/4"	#12	2#12	1	20 A	44
45	20 A	1	2#12	#12	3/4"	WHEELCHAIR LIFT	1.5 kVA	0.7 kVA	EXTERIOR RECEPTACLE	3/4"	#12	2#12	1	20 A	46
47	20 A	1	2#12	#12	3/4"	DATA RM RECEPTACLE		0.4 kVA	SPARE	--	--	--	1	20 A	48
49	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	SPARE	--	--	--	1	20 A	50
51	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA	SPD	--	--	--	2	60 A	52
53	20 A	1	--	--	--	SPARE	0.0 kVA	0.0 kVA		--	--	--	2	60 A	54
							16620 VA								
							139 A		15300 VA						
									128 A						
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS										
Motor		1500 VA	125.00%	1875 VA	CONNECTED LOAD:		31200 VA / 130 A								
Receptacle		29700 VA	66.84%	19850 VA	ESTIMATED DEMAND:		21725 VA / 91 A								
LOAD SUMMARY NOTES:															



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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)
 CALCASIEU PARISH SCHOOL BOARD
 201 E 1ST ST., IOWA, LA 70647

DATE: 08/08/2024
 PHASE: BID DOCUMENTS
 ISSUED FOR: OWNER REVIEW
 PROJECT NO.: 3221105

RISER DIAGRAM & SCHEDULES

sheet number
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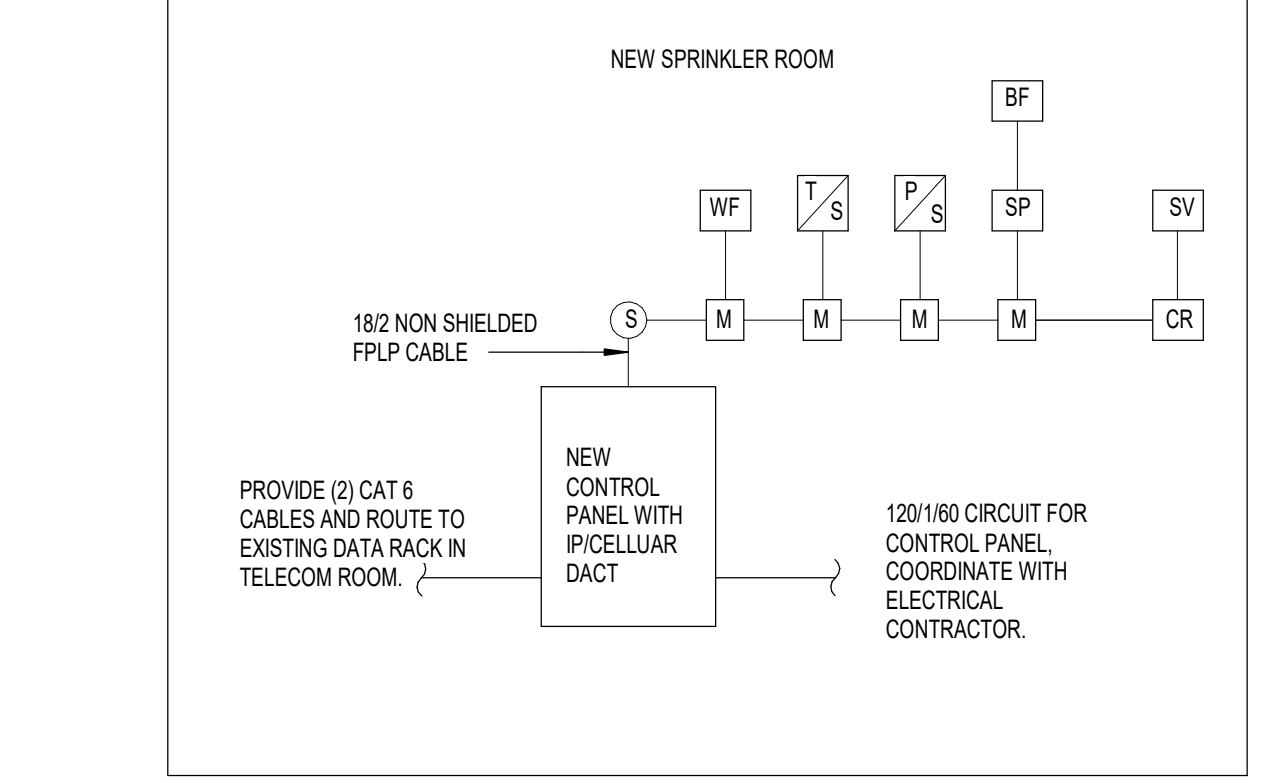
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BRANCH PANEL: LB

VOLTAGE:	120/240 DELTA	LOCATION:	MECH/ELECT 108	NOTES:
PHASES, WIRES:	3Ø, 4W	SUPPLY FROM:	MSB	
AIC RATING:	22,000	MOUNTING:	SURFACE	
MINIMUM BUS AMPACITY:	800 A	ENCLOSURE TYPE:	NEMA-1	
MCB RATING:	800 A	NUMBER OF SECTIONS:	2	

CKT	TRIP	POLES	WIRE	GND	CONDUIT	DESCRIPTION	A	B	C	DESCRIPTION	CONDUIT	GND	WIRE	POLES	TRIP	CKT
1	20 A	1	2#12	#12	3/4"	EF-1	1.2 kVA	0.2 kVA		EF-2 & 3	3/4"	#12	2#12	1	20 A	2
3	--	1	--	--	--	SPACE					--	--	--	1	--	4
5									7.2 kVA	7.2 kVA						6
7	80 A	3	4#4	#8	1"	CU-1	7.2 kVA	7.2 kVA		CU-2	1"	#8	4#4	3	80 A	8
9									7.2 kVA	6.6 kVA						10
11									7.2 kVA	6.6 kVA						12
13	70 A	3	4#4	#8	1"	OAHR-1 CKT #1	7.2 kVA	6.6 kVA		OAHR-1 CKT #2	1"	#8	4#6	3	60 A	14
15									7.2 kVA	6.6 kVA						16
17									7.5 kVA	7.5 kVA						18
19	70 A	3	4#4	#8	1"	HR-1 CKT #1	7.5 kVA	7.5 kVA		HR-1 CKT #2	1"	#8	4#4	3	70 A	20
21									7.5 kVA	7.5 kVA						22
23									8.2 kVA	2.1 kVA						24
25	80 A	3	4#4	#8	1"	HR-2	8.2 kVA	2.1 kVA		AHU-1	3/4"	#8	4#8	3	30 A	26
27									8.2 kVA	2.1 kVA						28
29									2.1 kVA	1.6 kVA						30
31	30 A	3	4#8	#8	3/4"	AHU-2	2.1 kVA	1.6 kVA		CRCU-1	3/4"	#12	4#12	3	20 A	32
33									2.1 kVA	1.6 kVA						34
35									16.0 kVA	16.0 kVA						36
37	150 A	3	4#1/0	#6	1-1/2"	EDH-1	16.0 kVA	16.0 kVA		EDH-2	1-1/2"	#6	4#1/0	3	150 A	38
39									16.0 kVA	16.0 kVA						40
41	30 A	3	4#10	#10	3/4"	WH-1	3.0 kVA	0.5 kVA		RCPT ELEVATOR LTG	3/4"	#12	2#12	1	20 A	42
43									3.0 kVA	0.5 kVA						44
45									3.0 kVA	--						46
47	20 A	1	2#12	#12	3/4"	ELEVATOR LTG DISC. SW	4.8 kVA	0.0 kVA		RECIRC PUMP	3/4"	#12	2#12	1	20 A	48
49	50 A	2	3#8	#8	3/4"	ELEVATOR CONTROL PW-MOD.	4.8 kVA	0.0 kVA		SPD	--	--	--	3	60 A	50
51									0.0 kVA	0.0 kVA						52
53	20 A	1	--	--	--	SPARE			0.0 kVA	0.0 kVA						54
							98708 VA	96848 VA	93088 VA							
							823 A	807 A	776 A							

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND	TOTALS
Cooling	43170 VA	0.01%	4 VA	CONNECTED LOAD: 288644 VA / 694 A ESTIMATED DEMAND: 245903 VA / 592 A
Heating	96000 VA	100.00%	96000 VA	
Motor	1860 VA	116.13%	2160 VA	
Receptacle	540 VA	100.00%	540 VA	
Power	23256 VA	100.00%	23256 VA	
Lighting	501 VA	125.00%	626 VA	
HVAC	123318 VA	100.00%	123318 VA	

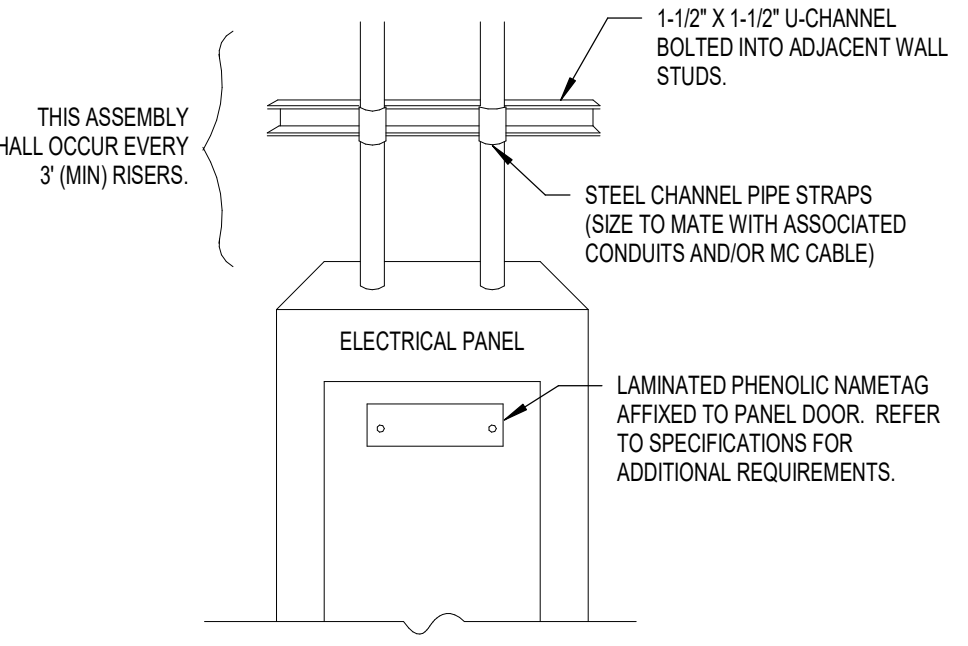


SYMBOL SCHEDULE

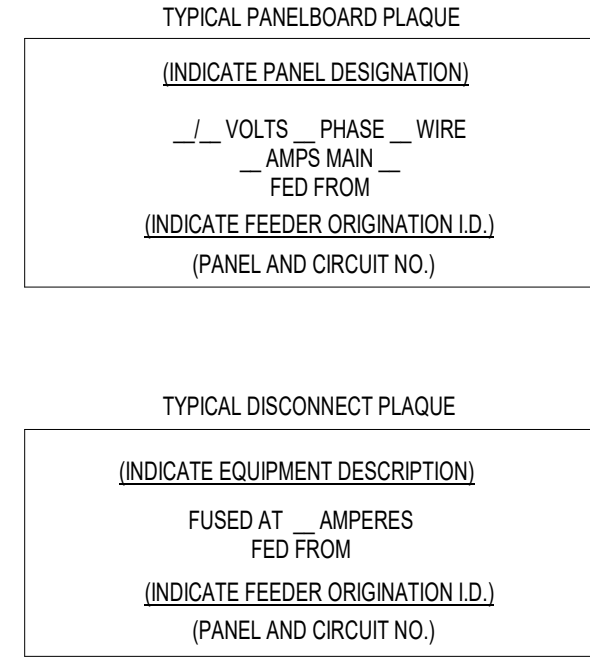
(S)	ADDRESSABLE SMOKE DETECTOR
(M)	ADDRESSABLE MONITOR MODULE
WF	WATER FLOW SWITCH
SP	SURGE PROTECTOR
BF	BACKFLOW PREVENTOR
SV	SOLENOID VALVE
CR	CONTROL RELAY
T/S	TAMPER SWITCH
P/S	PRESSURE SWITCH

- SPRINKLER RISER GENERAL NOTES**
- PROVIDE AND INSTALL AN ADDRESSABLE SPRINKLER MONITORING SYSTEM WITH IP/CELLULAR COMMUNICATOR. PANEL SHALL BE LISTED FOR BOTH PRE-ACTION AND DELUGE OPERATION.
 - PROVIDE FIRST YEAR'S MONITORING AGREEMENT OR PROGRAM SYSTEM TO OWNER'S MONITORING COMPANY.
 - INSTALLATION AND CABLE SHALL MEET NFPA AND NEC CODE FOR FIRE ALARM SYSTEMS. PROVIDE AND INSTALL SURGE PROTECTION WHERE REQUIRED BY CODE.
 - CONTRACTOR SHALL PREPARE SUBMITTAL, BATTERY CALCULATIONS, AND FEE TO STATE FIRE MARSHAL REVIEW.
 - PROVIDE NECESSARY MODULE QUANTITIES PER SPRINKLER SYSTEM.
 - PROVIDE 1" CONDUIT TO SITE BACKFLOW PREVENTER LOCATION (COORDINATE IN ADVANCE) SO AS TO PROVIDE REQUIRED MONITORING.

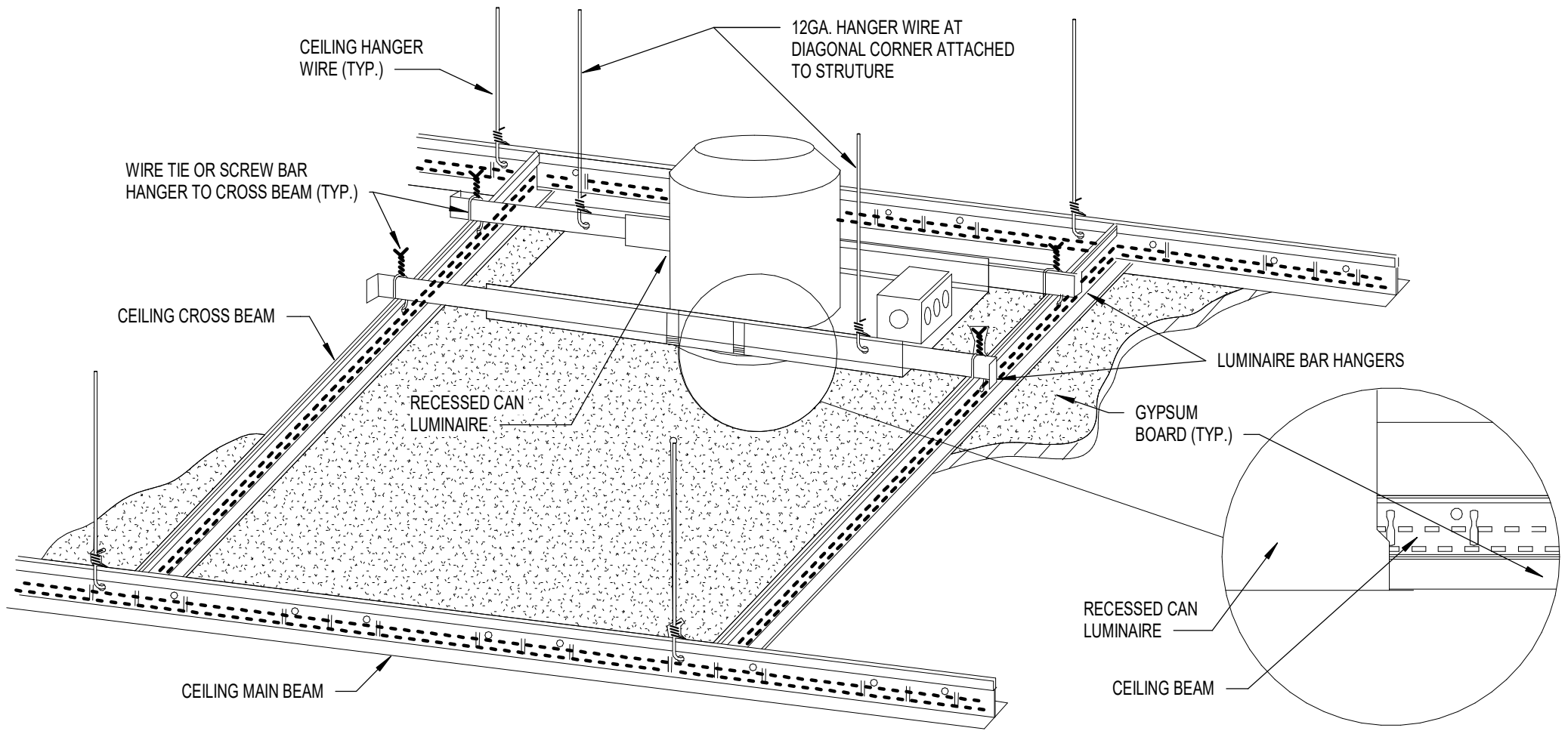
1 DETAIL - FIRE ALARM CONTROL PANEL
N.T.S.



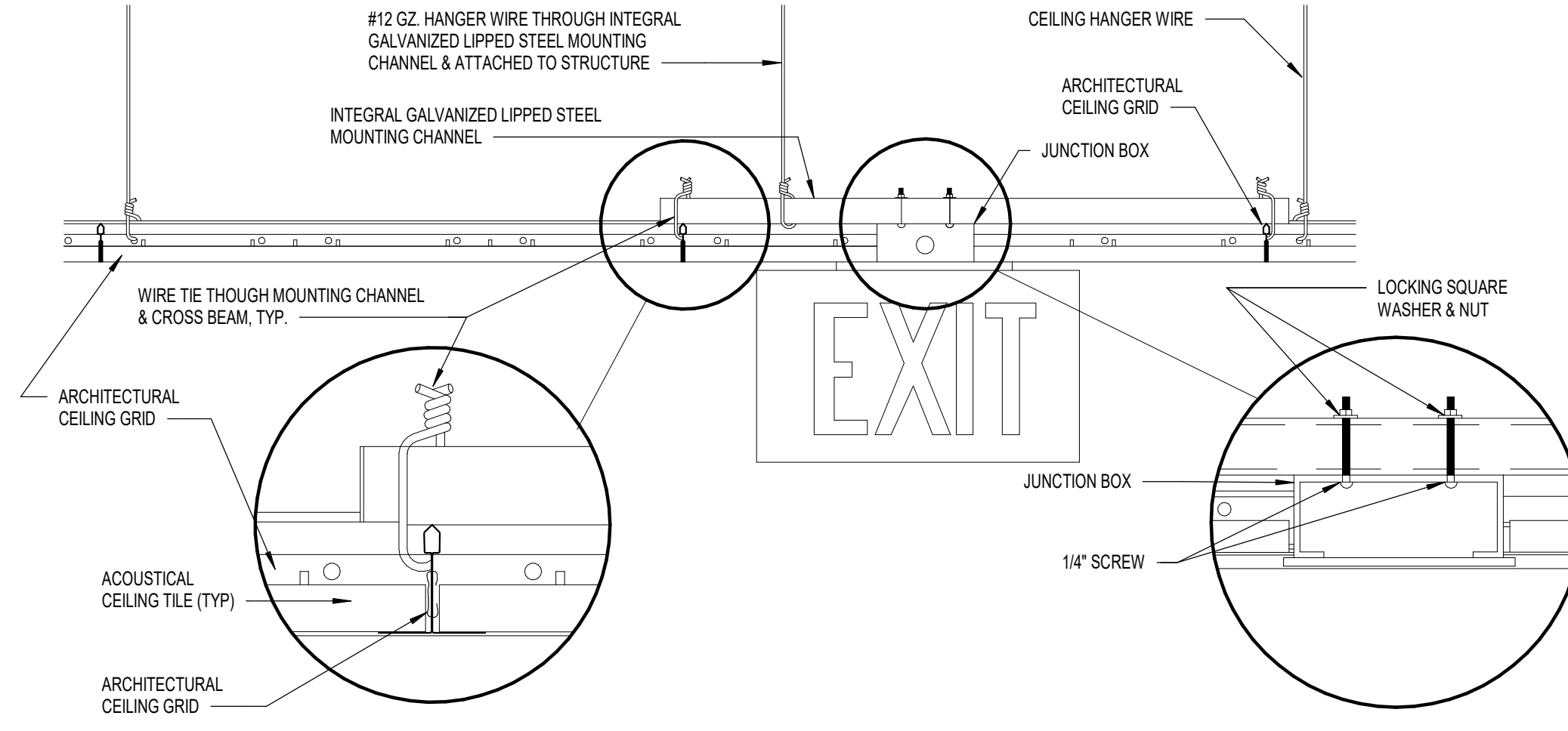
2 DETAIL - CONDUIT SUPPORT
N.T.S.



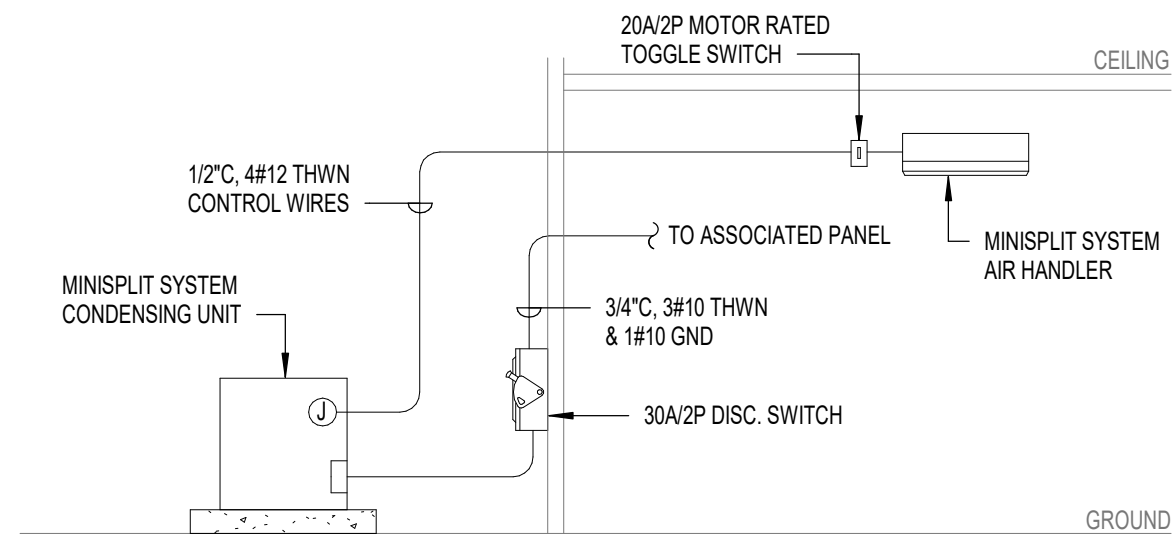
3 DETAIL - EQUIPMENT SIGNAGE
N.T.S.



4 DETAIL - DOWNLIGHT MOUNTING
N.T.S.



5 DETAIL - EXIT SIGN MOUNTING
N.T.S.



6 DETAIL - MINI SPLIT SYSTEM
N.T.S.

PARISH ENGINEERING

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Baton Rouge, LA 70820

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parisheng.com | #21-105



GRACE HERBERT CURTIS ARCHITECTS, APAC

SEAL:

STATE OF LOUISIANA
MICHAEL ROBERT CURTIS
08/08/2024

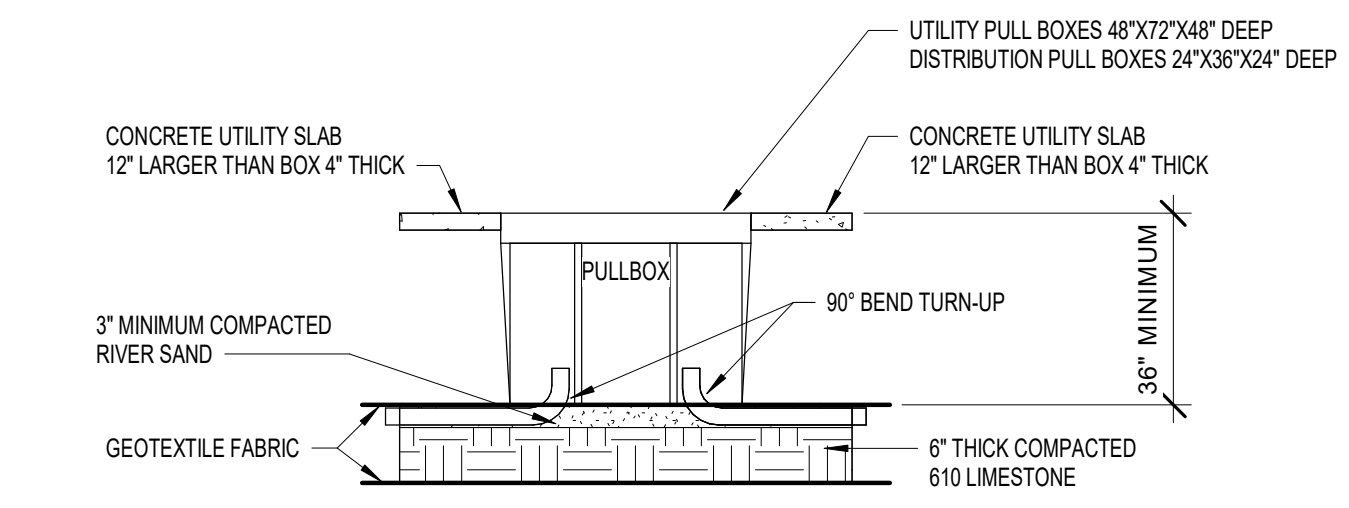
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J.I. WATSON HISTORICAL BUILDING - HURRICANE REPAIRS (HL-060-03)

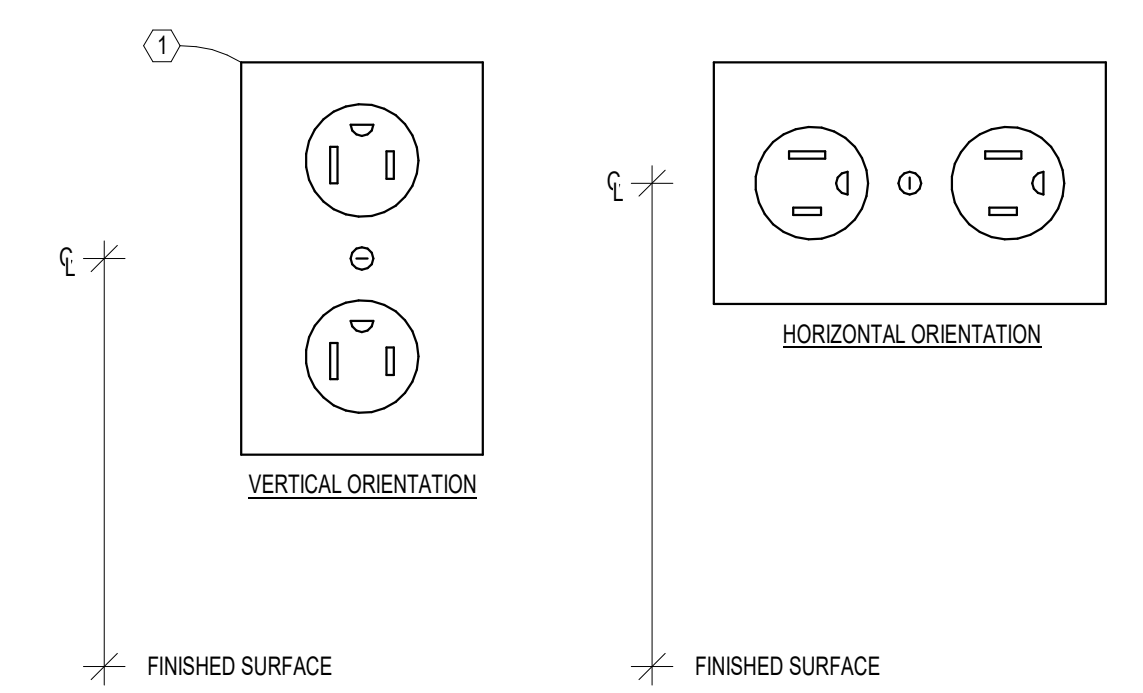
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

DATE	08/08/2024
PHASE	BID DOCUMENTS
ISSUED FOR	OWNER REVIEW
PROJECT NO.	3221105

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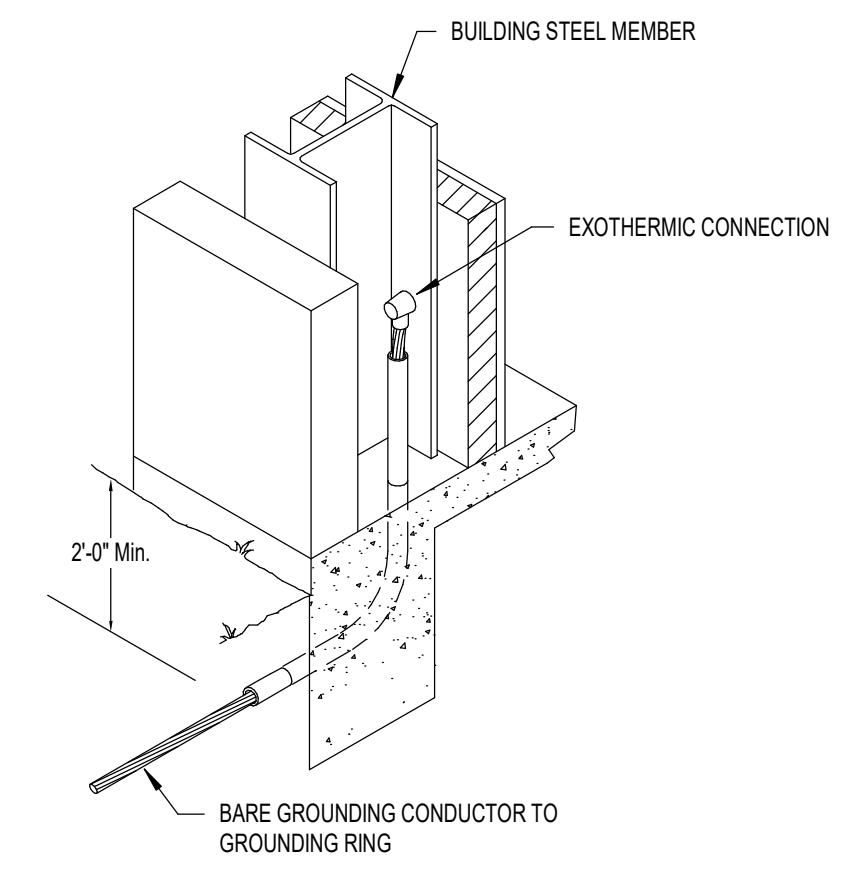


1 DETAIL - PULL BOX
N.T.S.

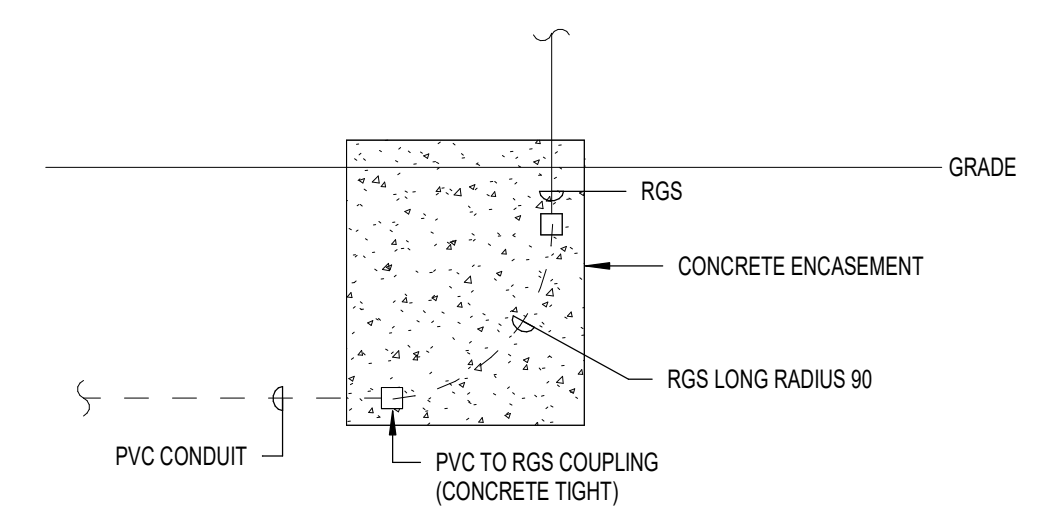


KEYNOTES
 ① REFER TO SPECIFICATIONS FOR RECEPTACLE REQUIREMENTS.
 ② UNLESS DENOTED OTHERWISE ON PLANS, MOUNTING HEIGHT IS FROM FINISHED SURFACE (FLOOR/GRADE/COUNTER TOP/ETC.) TO CENTERLINE OF DEVICE.

2 DETAIL - RECEPTACLE
N.T.S.



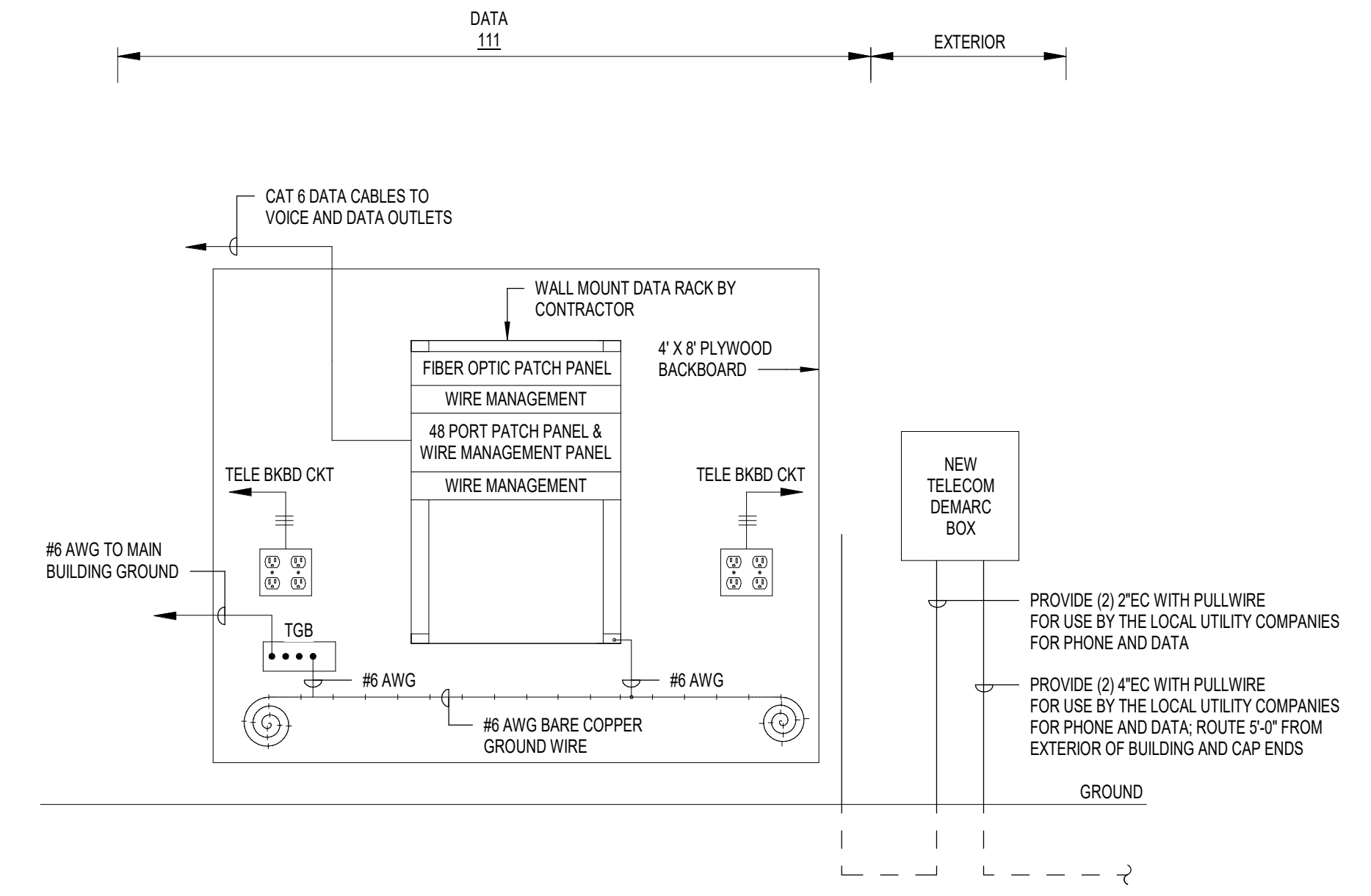
3 DETAIL - STEEL MEMBER GROUNDING
N.T.S.



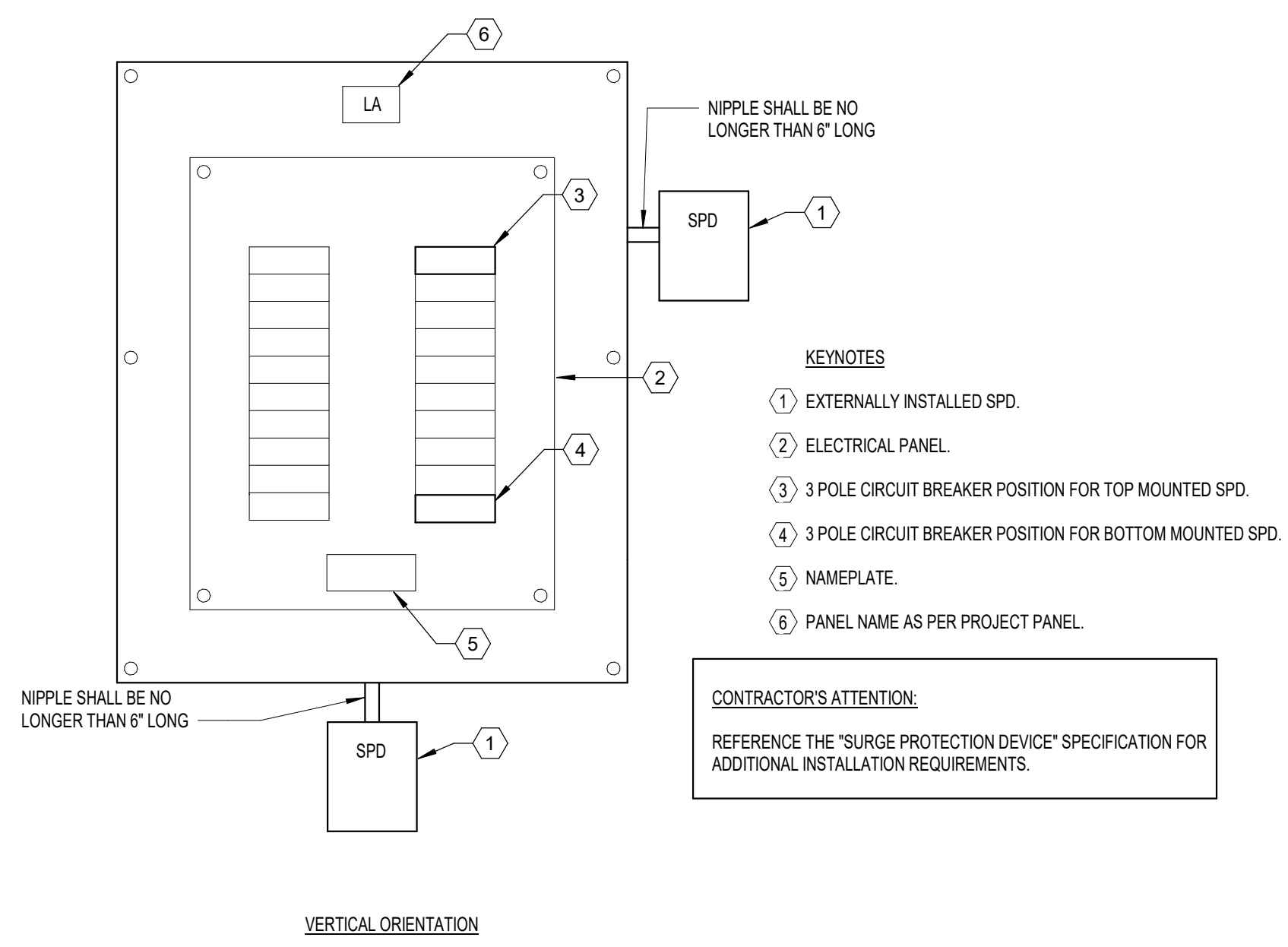
NOTE:
SUBMIT DIGITAL PHOTOGRAPHS OF INSTALLATION PRIOR TO POURING CONCRETE AND AFTER POURING CONCRETE.

4 DETAIL - STUB-UP
N.T.S.

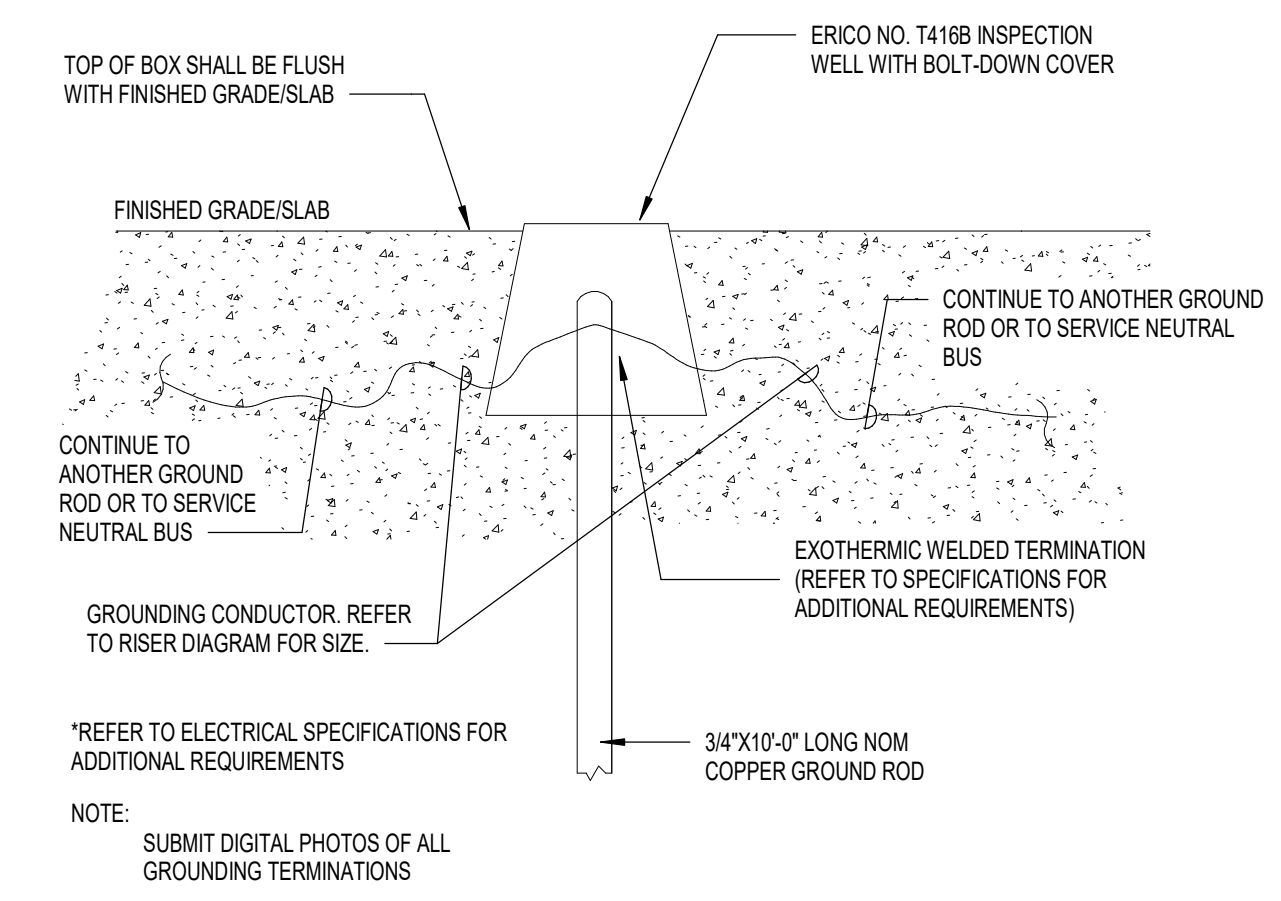
- DATA SYSTEM NOTES:
- CONTRACTOR SHALL PROVIDE QUANTITY OF PATCH PANELS ADEQUATE FOR THE PROJECT, WITH AN ADDITIONAL 20% SPARE CAPACITY FOR FUTURE GROWTH. CONTRACTOR SHALL PROVIDE JUMPERS AND MAKE FINAL CONNECTIONS TO THE SWITCHES.
 - SWITCHES SHALL BE DAISY CHAINED, PER CPSSB STANDARDS.
 - CONTRACTOR SHALL PROVIDE LABELING FOR ALL CABLES, PER THE CPSSB STANDARDS.
 - HORIZONTAL CABLING JACKET COLORS FOR THE VARIOUS DEVICES SHALL MEET CPSSB STANDARDS.
 - TO THE EXTENT PRACTICABLE, UTILIZE THE EXISTING FIBER OPTIC CABLE PRESENTLY INSTALLED TO THE BUILDING AND CONNECT IT TO THE NEW ITB LOCATION.



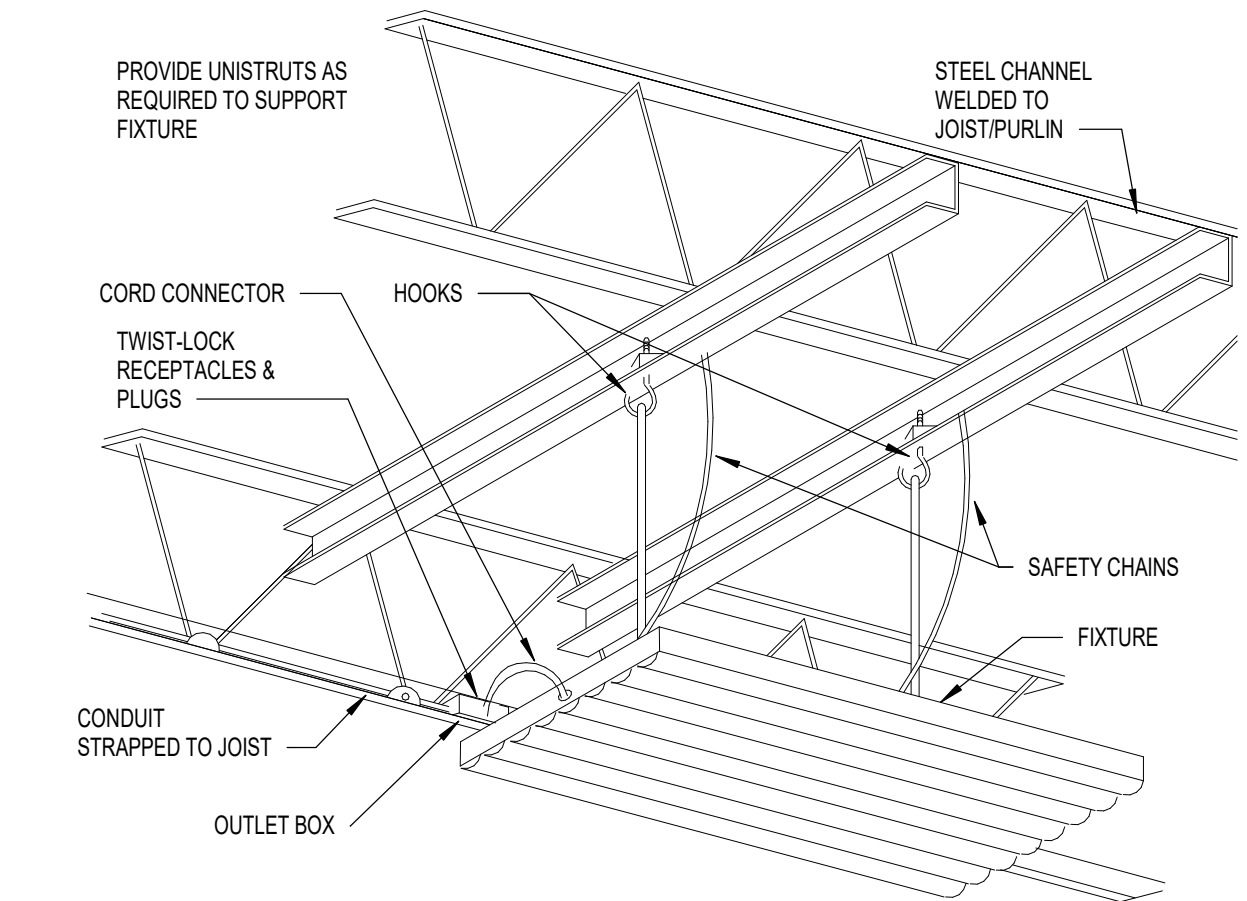
5 DETAIL - TELEPHONE BACKBOARD
N.T.S.



6 DETAIL - EXTERNAL SPD INSTALLATION
N.T.S.



7 DETAIL - GROUND ROD INSTALLATION
N.T.S.



8 DETAIL - HIGH-BAY LED FIXTURE MOUNTING
N.T.S.

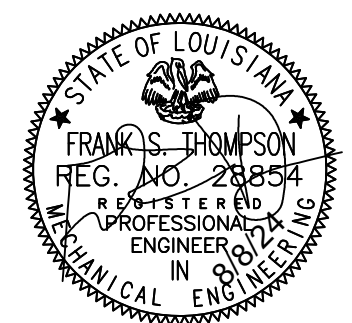


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HURRICANE REPAIRS (HL-060-03)**
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

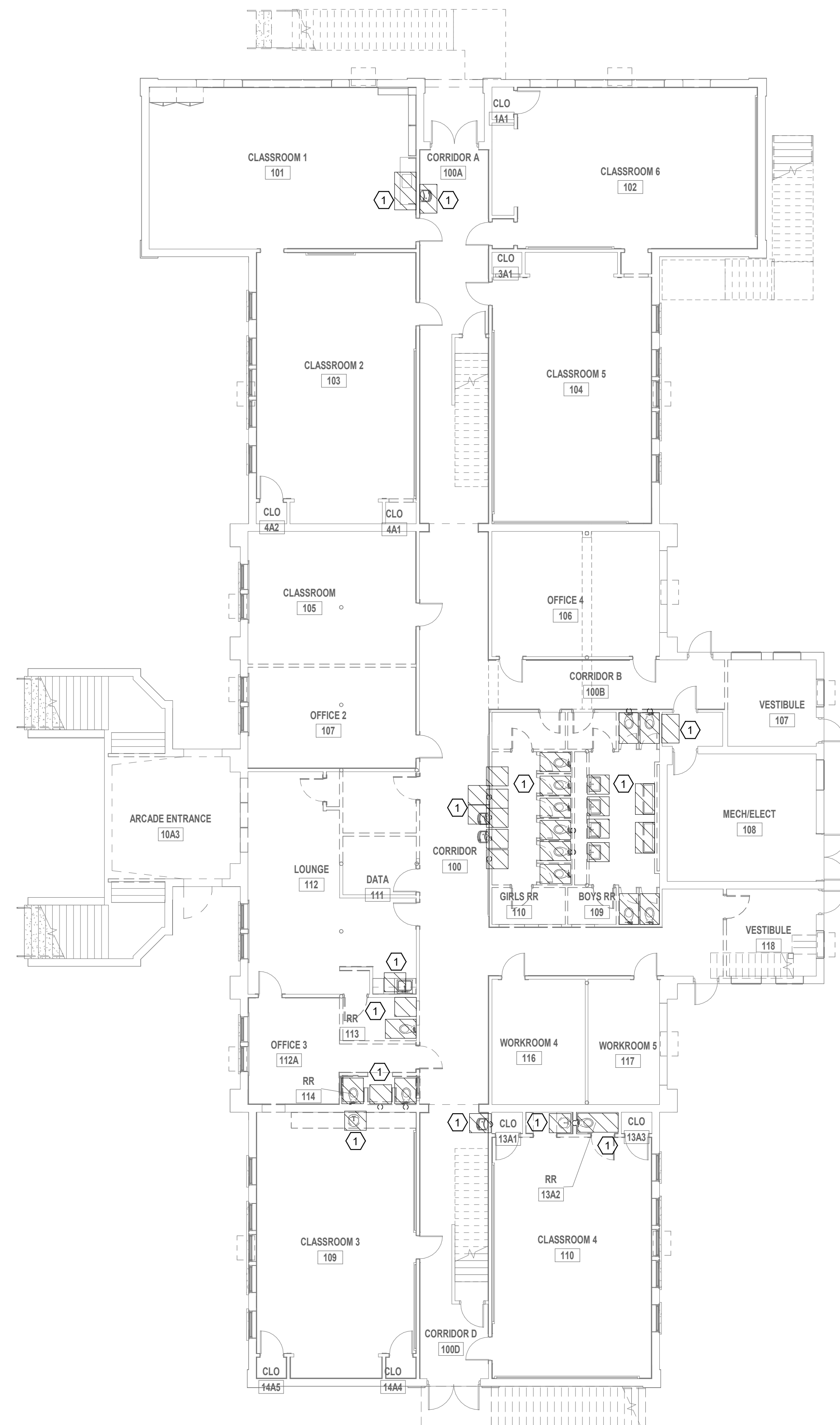


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UTILITY DEMOLITION PLANS

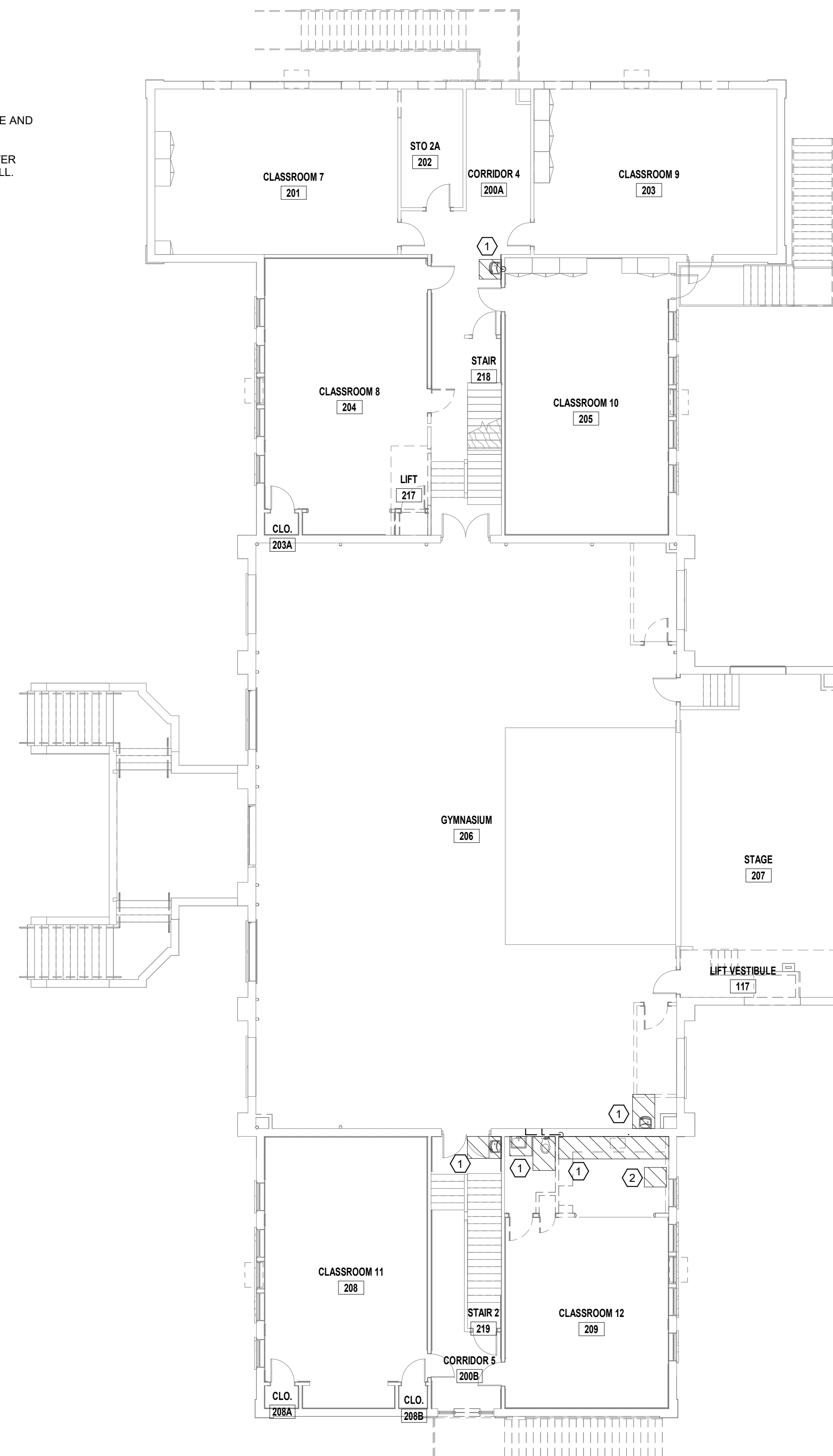
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1 FIRST FLOOR DOMESTIC WATER DEMOLITION PLAN
3/32" = 1'-0"

- UTILITY DEMOLITION NOTES:
- ① CONTRACTOR SHALL DEMO EXISTING PLUMBING FIXTURE AND CAP SERVICES ABOVE CEILING.
 - ② CONTRACTOR SHALL DEMO EXISTING WASHER AND DRYER HOOKUPS AND CAP SERVICES ABOVE CEILING OR IN WALL.



2 SECOND FLOOR DOMESTIC WATER DEMOLITION PLAN
3/32" = 1'-0"

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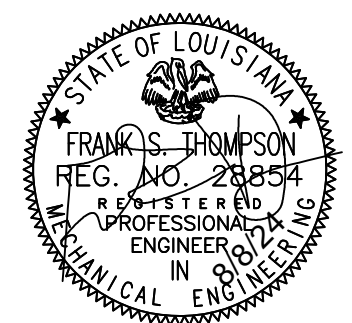


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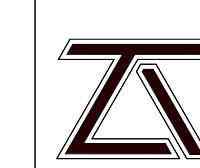


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PLUMBING DEMOLITION PLANS

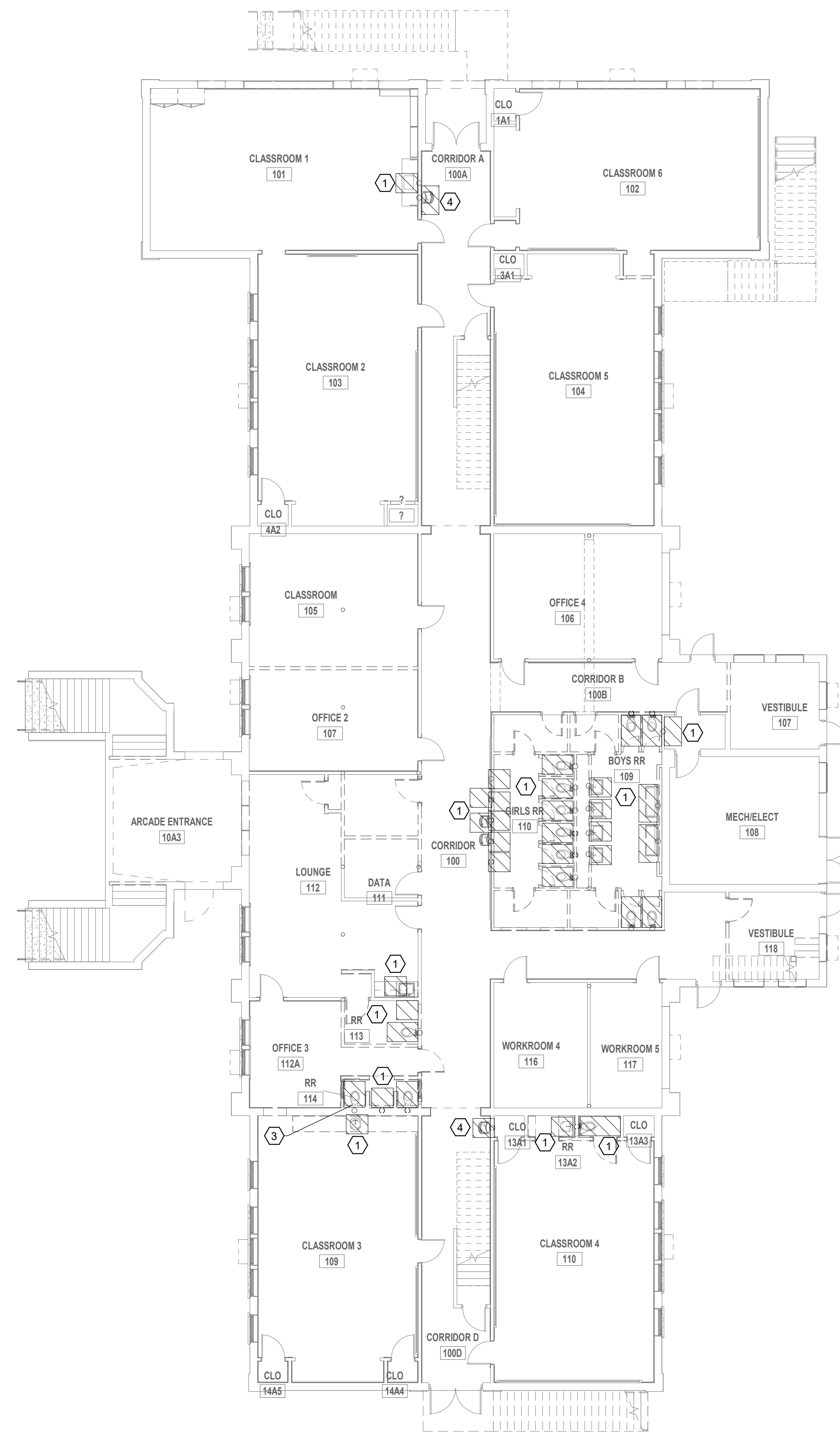
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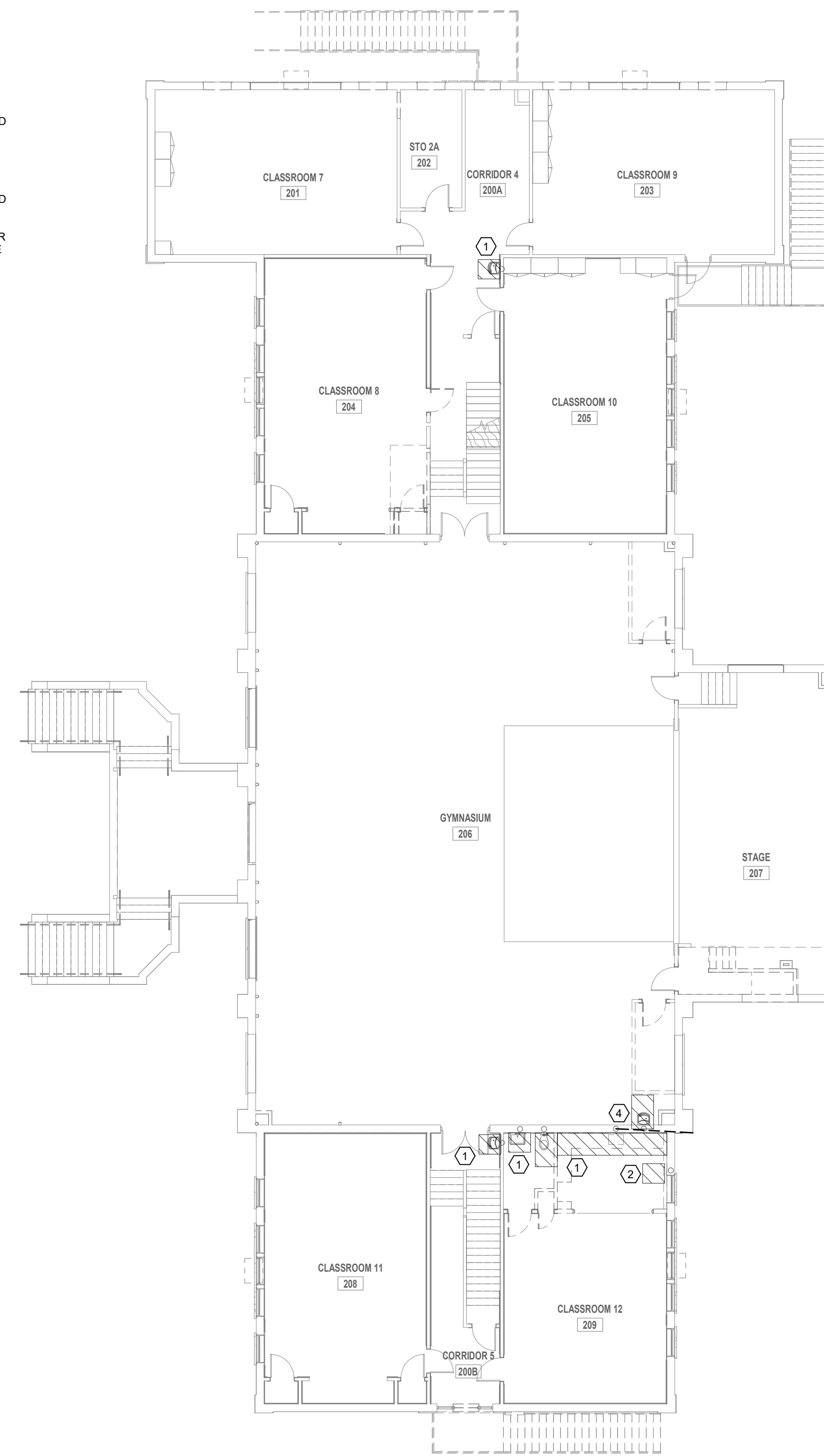


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- PLUMBING DEMOLITION NOTES:
- 1 CONTRACTOR SHALL DEMO EXISTING PLUMBING FIXTURE AND CAP SERVICES IN WALL OR BELOW SLAB.
 - 2 CONTRACTOR SHALL DEMO EXISTING WASHER AND DRYER HOOKUPS AND CAP SERVICES IN WALL OR BELOW SLAB.
 - 3 CONTRACTOR SHALL DEMO EXISTING PLUMBING FIXTURE AND CAP DOMESTIC WATER SERVICES IN WALL, PATCH TO MATCH EXISTING. SANITARY SEWER SHALL BE CAPPED INSIDE WALL. EXISTING 3" VENT PIPING SHALL REMAIN AND BE UTILIZED FOR NEW AHU CONDENSATE TO BE LOCATED INSIDE ATTIC SPACE ABOVE.
 - 4 CONTRACTOR SHALL DEMO EXISTING WATER COOLER. TEMPORARILY CAP EXISTING WATER AND SEWER LINES. PREPARE FOR NEW WATER COOLER.



1 FIRST FLOOR SANITARY SEWER DEMOLITION PLAN
3/32" = 1'-0"



2 SECOND FLOOR SANITARY SEWER DEMOLITION PLAN
3/32" = 1'-0"

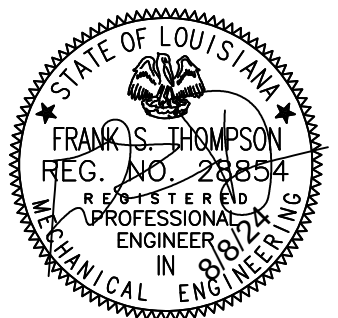


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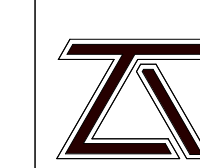


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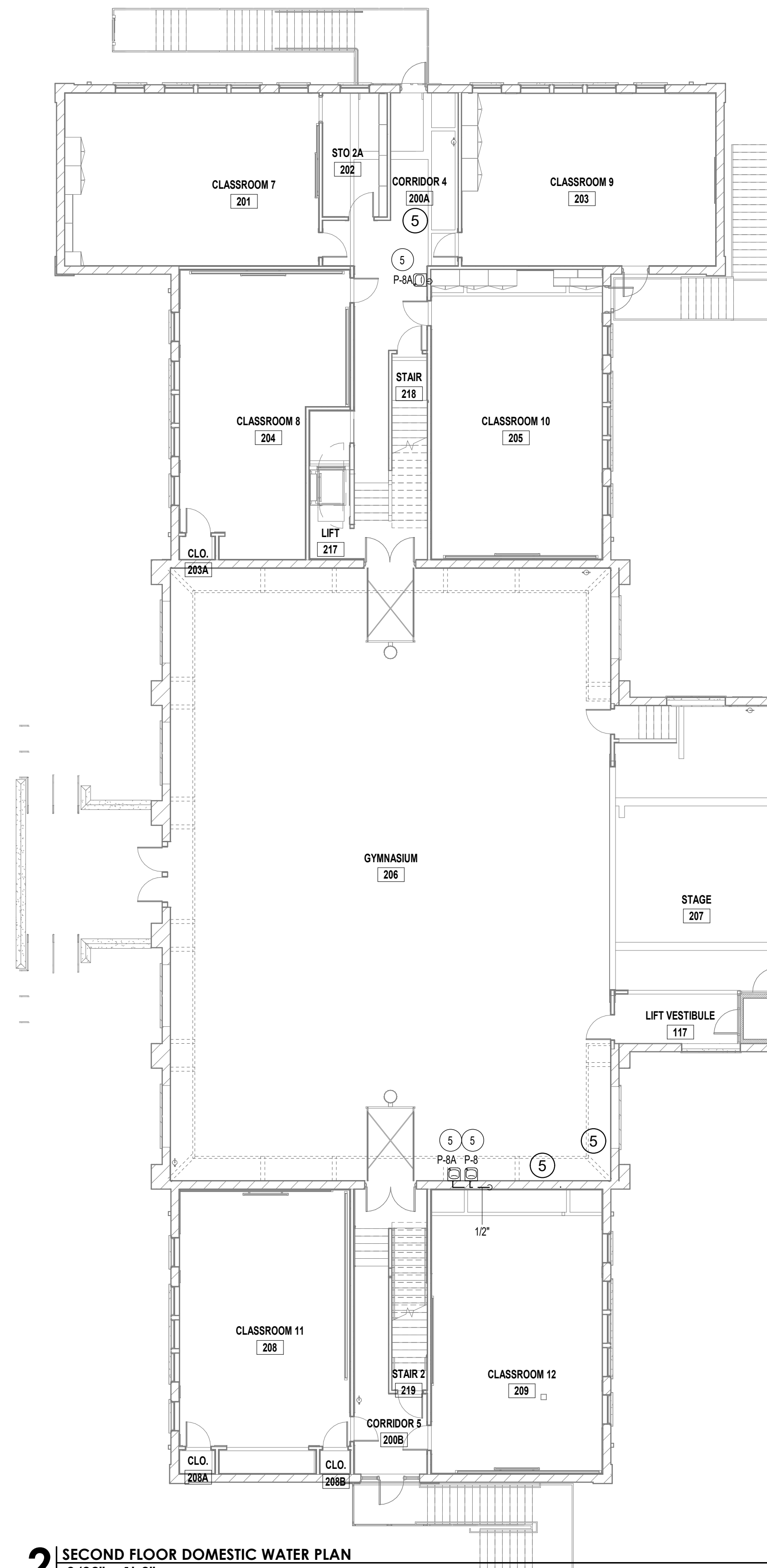
UTILITY PLANS

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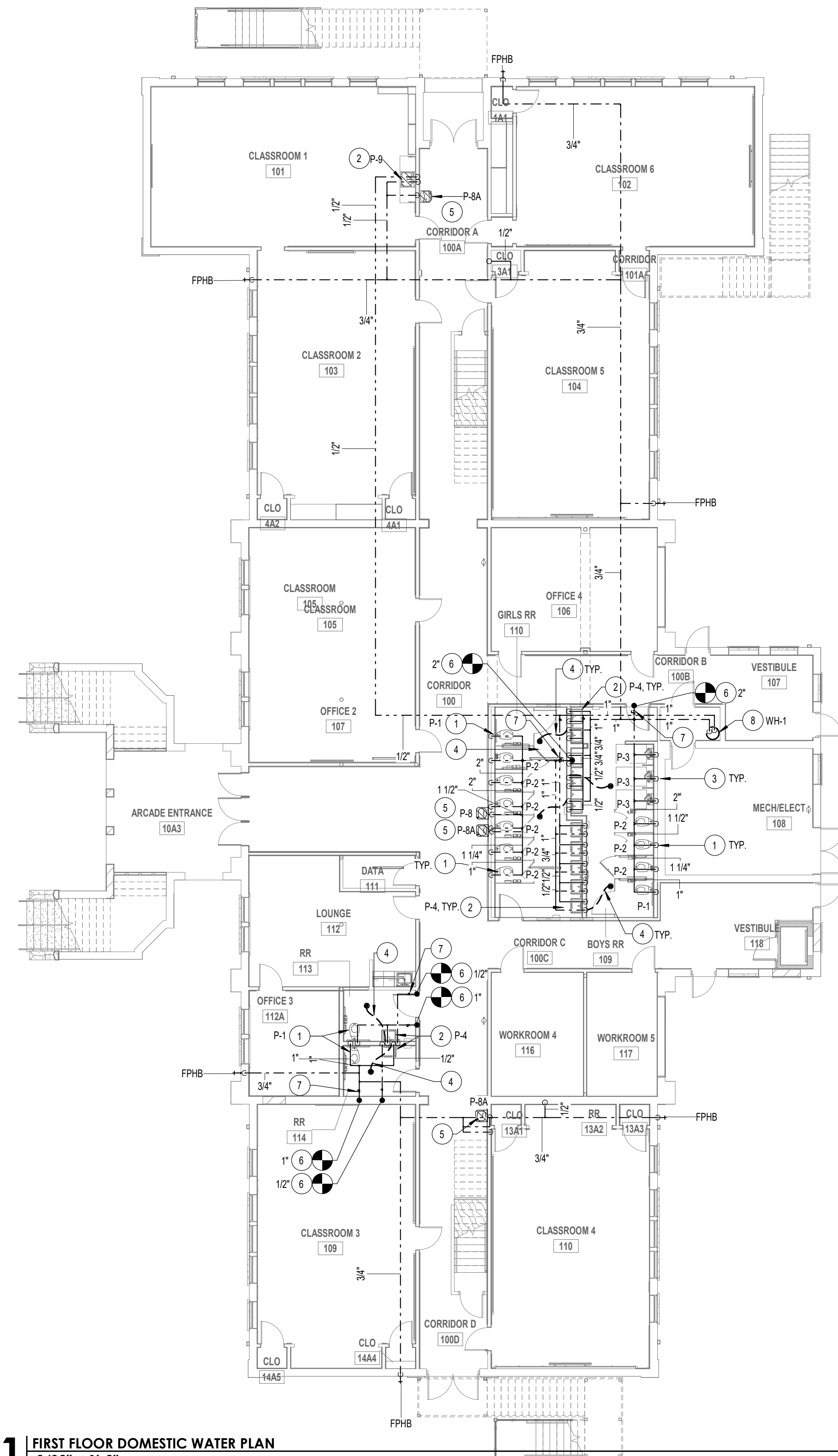
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2 SECOND FLOOR DOMESTIC WATER PLAN
3/32" = 1'-0"



1 FIRST FLOOR DOMESTIC WATER PLAN
3/32" = 1'-0"

- 1 1" CW TO NEW WATER CLOSET, TYPICAL.
- 2 1/2" H&CW TO NEW SINK/LAVATORY, TYPICAL.
- 3 1" CW TO NEW URINAL, TYPICAL.
- 4 1/2" CW TRAP PRIMER FOR NEW FLOOR DRAIN, TYPICAL.
- 5 1/2" CW TO NEW WATER COOLER, TYPICAL.
- 6 CONTRACTOR TO CONNECT NEW CW, SIZED AS SHOWN, TO EXISTING DOMESTIC CW OF SUFFICIENT SIZE AND FLOW IN THIS AREA.
- 7 PROVIDE SHUT OFF VALVE IN DOMESTIC WATER LINES IN ACCESSIBLE LOCATION. PROVIDE ACCESS PANEL IF NECESSARY.
- 8 38 GALLON, 4500 WATT, LOW BOY ELECTRIC TANK TYPE WATER HEATER WITH GALVANIZED AUXILIARY DRAIN PAN. PROVIDE TMV. CONTRACTOR SHALL ROUTE WATER HEATER DRAIN PAN PIPING ACROSS WALL AND OVER TO EXISTING MOP SINK. DRAIN PAN PIPING SHALL BE ROUTED HIGH SO AS TO GRAVITY FEED TO MOP SINK. CONTRACTOR SHALL ADJUST LOCATION OF PIPING AS NECESSARY TO ACCOMMODATE THIS ITEM.

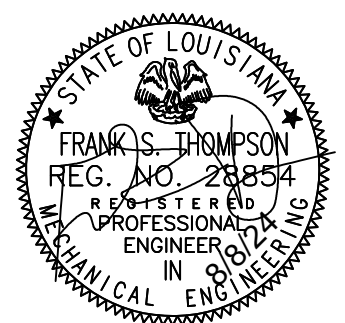


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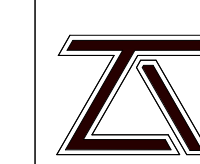


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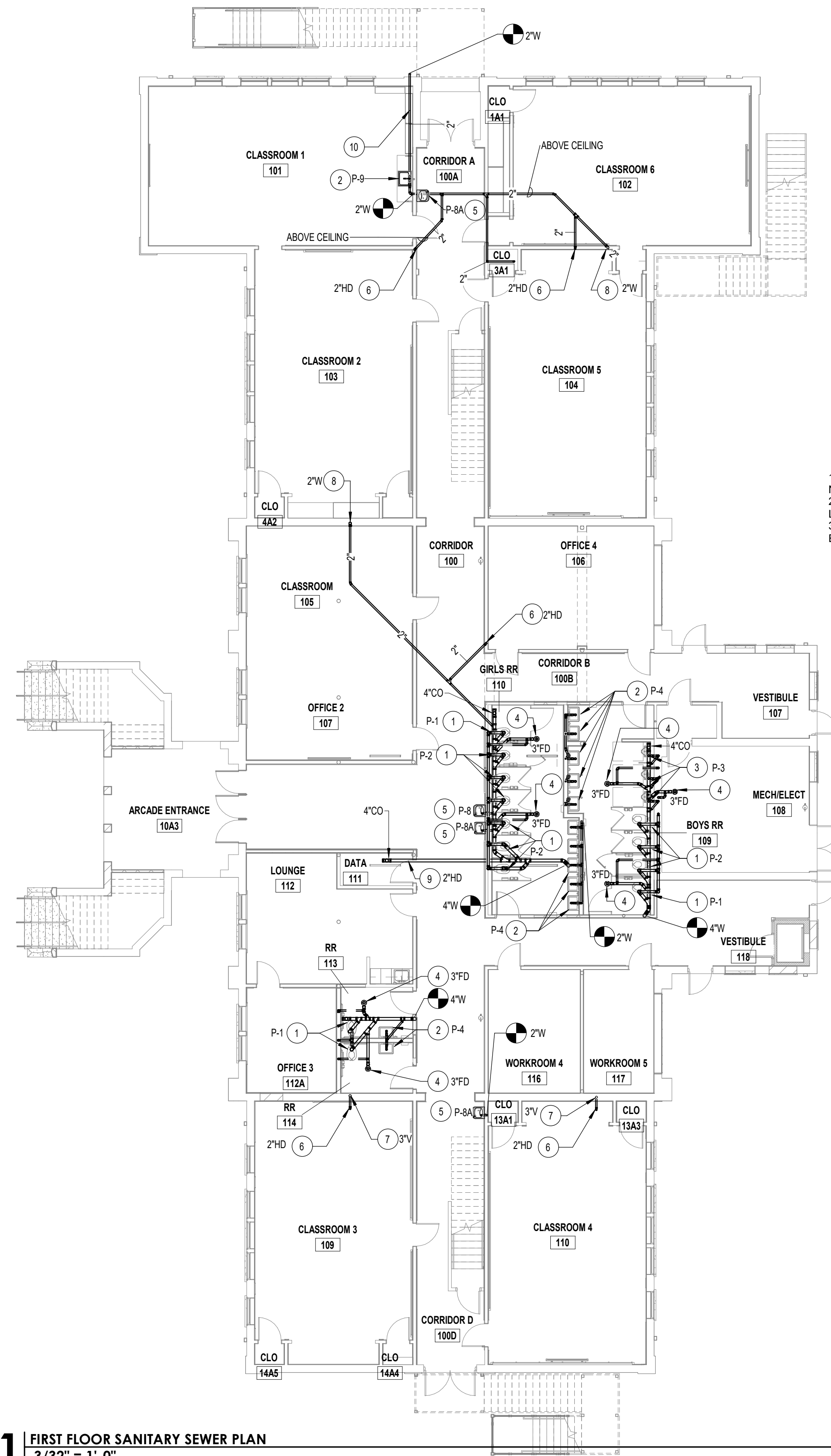
PLUMBING PLANS

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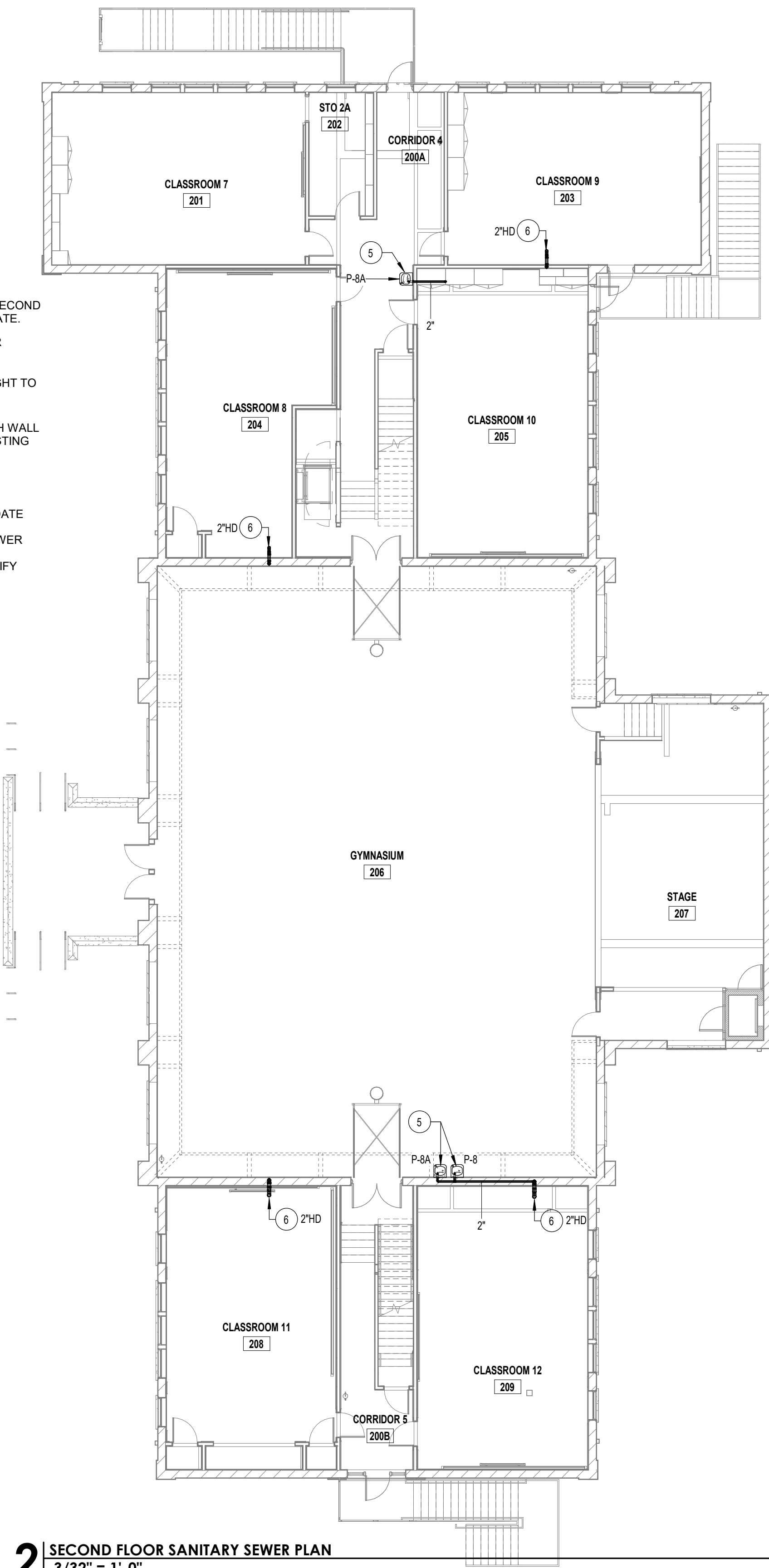
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1 FIRST FLOOR SANITARY SEWER PLAN
3/32" = 1'-0"

- 1 4"W, 3"V TO NEW WATER CLOSET, TYPICAL.
- 2 2"W, 2"V TO NEW SINK/LAVATORY, TYPICAL.
- 3 2"W, 2"V TO NEW URINAL, TYPICAL.
- 4 3"W, 2"V FOR NEW 3" FLOOR DRAIN, TYPICAL.
- 5 2"W, 2"V TO NEW WATER COOLER, TYPICAL.
- 6 2"W, 2"V TO NEW 2" HUB DRAIN, TYPICAL.
- 7 CONTRACTOR SHALL ROUTE EXISTING VENT, 3" UP TO SECOND FLOOR CEILING/ATTIC SPACE TO SERVE AHU CONDENSATE.
- 8 CONTRACTOR SHALL ROUTE 2"W UP TO SECOND FLOOR CEILING/ATTIC SPACE TO SERVE AHU CONDENSATE.
- 9 CONTRACTOR SHALL ROUTE NEW 2"W, 2"V, 2"HD UP HIGHT TO SERVE CRAHU CONDENSATE.
- 10 ROUTE 2" WASTE LINE ABOVE 1ST FLOOR AND THROUGH WALL FUR OUT. MAINTAIN 1/8" PER FOOR SLOPE. TIE INTO EXISTING LINE OUTSIDE OF BUILDING FOOTPRINT.

GENERAL NOTES:
1. CONTRACTOR SHALL SAW CUT SLAB AS NECESSARY TO ACCOMMODATE NEW SEWER LAYOUT. PATCH EXISTING SLAB AS NECESSARY.
2. CONTRACTOR SHALL CLEAN AND FLUSH ALL DEBRIS IN EXISTING SEWER LINE TO 10FT OUTSIDE THE BUILDING FOOTPRINT.
3. CONTRACTOR SHALL CAMERA/SCOPE EXISTING SEWER LINE TO VERIFY EXACT LOCATION AND DIRECTION OF EXISTING SEWER LINE.



2 SECOND FLOOR SANITARY SEWER PLAN
3/32" = 1'-0"

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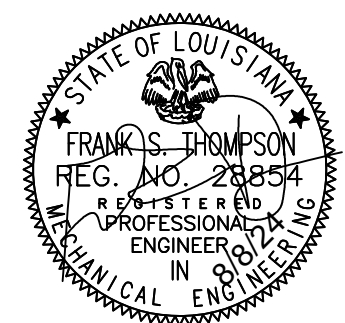


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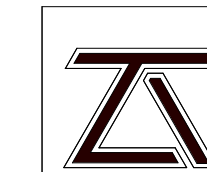
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PLUMBING SCHEDULES

sheet number

P2.0



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Table with columns: TAG, FIXTURE DESCRIPTION, MANUFACTURER AND MODEL NUMBER, FLUSH/VALVE, SEAT, CARRIER, FAUCET, DRAIN, MISCELLANEOUS, CONNECTION SIZE (CW, HW, SAN, VENT), NOTES. Includes items P-1 through P-9, F.P.H.B., FD, REFRIG VALVE BOX, and CO.

- NOTES: 1. ALL PLUMBING FIXTURES SHALL BE LEAD FREE, NO EXCEPTIONS. 2. WATER HAMMER ARRESTORS AND BACKFLOW PREVENTORS SHALL BE INSTALLED ON ALL PLUMBING FIXTURES AS REQUIRED BY IPC AND EQUIPMENT MANUFACTURER'S REQUIREMENTS. MIFAB OR APPROVED MANUFACTURER.

ELECTRIC WATER HEATER SCHEDULE

- 1. WATER HEATER TO BE FURNISHED AND INSTALLED WITH THERMOSTATIC MIXING VALVE, THERMAL EXPANSION TANK. 2. COORDINATE WITH ELECTRICAL PLANS FOR POWER. 3. PROVIDE ALL HEATERS WITH REGIRC PUMP, 1/6 HP, 120/1/60.

Table with columns: MARK, TYPE, SERVICE, FUEL TYPE, CAPACITY, GPH AT 100°F RISE, FIRST HOUR RATING, ELEMENTS (QTY, CAP EA, CAP TOTAL), ELECTRIC SERVICE (VOLTS, PH, FREQ), WEIGHT LBS, ACCEPTABLE MANUFACTURERS.

THERMOSTATIC MIXING VALVE SCHEDULE

- NOTES: 1. THERMOSTATIC MIXING VALVE TO BE MOUNTED AND SECURED TO WALL.

Table with columns: Mark, SERVICE, MIN FLOW, MAX DP, INLET DIA, OUTLET DIA, ACCEPTABLE MANUFACTURERS.

GENERAL PLUMBING PLAN NOTES:

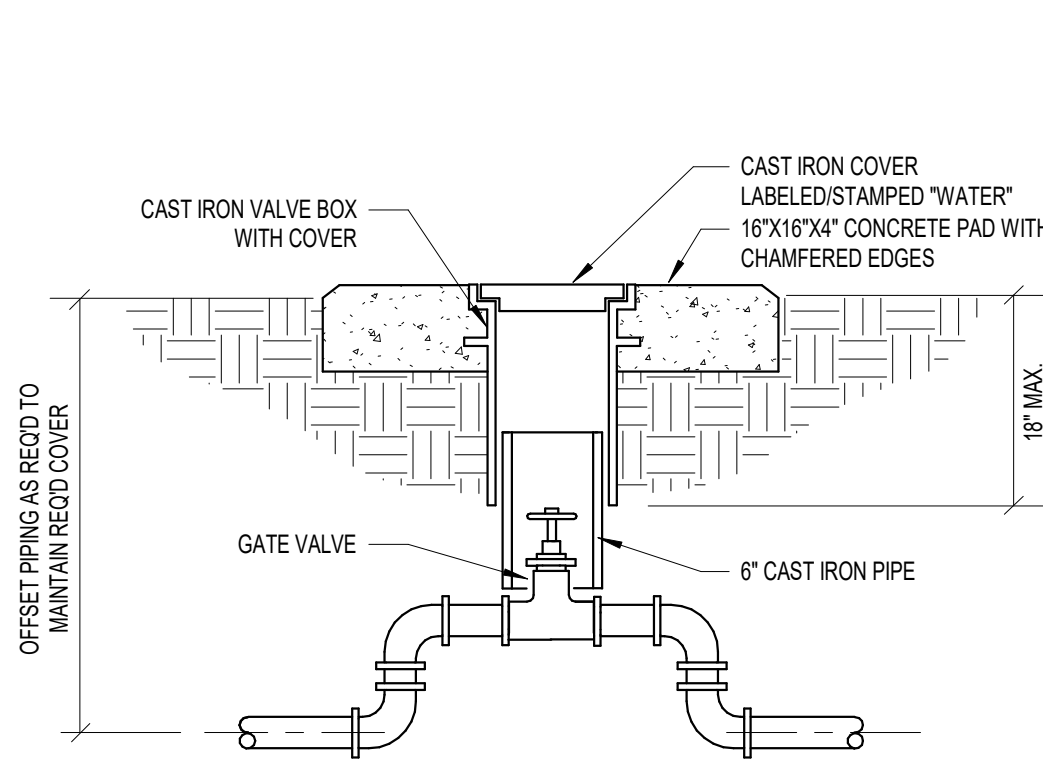
- 1. CONTRACTOR SHALL INSTALL SANITARY SEWER CLEANOUTS EVERY 75'-0" ON CENTER ON ALL NEW SANITARY SEWER PIPING ON SITE, IF NOT ALREADY SHOWN ON PLANS. 2. ALL NEW SANITARY SEWER PIPING SHALL BE SLOPED AT 1/8" FALL PER LINEAR FOOT AS PER THE LOUISIANA STATE PLUMBING CODE. 3. CONTRACTOR SHALL CONTACT THE LOCAL WATER COMPANY AND OBTAIN PRICES FOR THE INSTALLATION OF NEW WATER METER AND PROVIDING NEW WATER SERVICE AND INCLUDE ALL NECESSARY CHARGES, FEES, AND PERMITS IN HIS BID. 4. CONTRACTOR SHALL INSTALL THE ABOVE MENTIONED BACKFLOW PREVENTOR ABOVE GRADE AND IN THE VICINITY OF THE WATER METER. 5. PLUMBING CONTRACTOR SHALL PROVIDE A CROSS CONNECTION CERTIFICATION FOR THE INSTALLATION OF THE BACKFLOW PREVENTOR PRIOR TO ACCEPTANCE OF THE PROJECT. 6. CONTRACTOR SHALL FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING WORK. 7. PLUMBING CONTRACTOR SHALL REVIEW ALL CONSTRUCTION DOCUMENTS PRIOR TO BIDDING, ORDERING AND INSTALLATION. 8. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL PLUMBING WORK WITH OTHER DISCIPLINES PRIOR TO ORDERING AND INSTALLING AND SHALL BRING TO THE ATTENTION OF THE ARCHITECT ANY DISCREPANCIES OR CONFLICTS FOR RESOLUTION PRIOR TO ORDERING OR BEGINNING ANY WORK. 9. CONTRACTOR SHALL COORDINATE WITH CIVIL SITE WORK, COORDINATE THE INSTALLATION AND DEPTH OF LINES TO ACCOMMODATE STORM DRAINAGE. 10. ALL DOMESTIC HOT AND COLD WATER SHUT OFF VALVES LOCATED ABOVE THE CEILING WILL BE IDENTIFIED WITH 1" WIDE RED REFLECTIVE TAPE, WRAPPED TWO (2) COMPLETE TURNS AROUND THE CEILING GRID WITH THE CUT END OF THE TAPE CONCEALED ABOVE THE CEILING AND WILL BE LOCATED DIRECTLY BELOW EACH VALVE. 11. DOMESTIC WATER SHALL BE RUN A MINIMUM OF 36" BELOW FINISHED GRADE. 12. SUPPLY SYSTEMS SHALL USE DIELECTRIC ADAPTERS WHERE PIPES OF DISSIMILAR METALS ARE BEING CONNECTED. 13. IN ADDITION TO THE TEST CALLED FOR IN THE SPECIFICATIONS, THE POTABLE WATER SYSTEM SHALL BE PROPERLY DISINFECTED IN ACCORDANCE WITH FEDERAL SPECIFICATION BB-C-120. 14. THE SUBMISSION OF PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF WITH THE ENTIRE CONSTRUCTION PLANS & BUILDING SITE. 15. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS & LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED DUE TO EXISTING JOBSITE CONDITIONS WILL NOT BE RECOGNIZED HAD PROPER EXAMINATION BEEN MADE. 16. ALL DOMESTIC WATER, SANITARY AND VENT PIPING SHALL BE SLEEVED THROUGH WALLS; SLEEVES SHALL BE SIZED TO ALLOW PASSAGE OF THE PIPE AND ITS FULL INSULATION THICKNESS PLUS ANNUAL SPACE FOR INSTALLATION OF SAFING AND/OR SEALANT AS REQUIRED. 17. COORDINATE PROVISION FOR PROTECTING PIPING BENEATH HANDICAP LAVATORIES REQUIRED AND IDENTIFIED WITH RESTROOM ACCESSORIES. 18. ALL WATER CLOSETS AND URINALS SHALL BE CENTERED BETWEEN RESPECTIVE RESTROOM PARTITIONS (EXCEPT AS SPECIFICALLY NOTED OTHERWISE). 19. CONTRACTOR SHALL COORDINATE ROUGHING IN WITH APPROVED RESTROOM PARTITION SHOP DRAWINGS. 20. REFER TO THE ARCHITECTURAL PLANS AND SPECIFICATIONS FOR PLACEMENT AND LOCATIONS AND MOUNTING HEIGHTS. 21. NEATLY INSTALL WHITE MILDEW-RESISTANT SILICONE SEALANT BEAD AROUND THE PERIPHERY OF ALL PLUMBING FIXTURES IN CONTACT WITH WALLS AND/OR FLOORS. 22. ALL UNDERGROUND NON-CONDUCTIVE PIPE SHALL BE INSTALLED WITH #10 COPPER WIRE SET WITH THE PIPE. 23. ALL UNDERGROUND NON-CONDUCTIVE PIPING OUTSIDE THE BUILDING SHALL HAVE BRIGHTLY-COLORED, METALLIC-CORE, NON-DETERIORATING, MINIMUM 2" WIDE, IDENTIFICATION RIBBON TAPE SET 12" ABOVE THE TOP OF THE PIPE, OR 24" BELOW FINISHED GRADE, WHICHEVER DIMENSION IS SHALLOWER. 24. CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY PIPING OFFSETS/TRANSITIONS/PIPING TO ACCOMMODATE INSTALLATION OF ALL HW,CW, SANITARY SEWER, VENT, RWC PIPING WITH STRUCTURAL. THIS SHALL INCLUDE ALL ADDITIONAL MISCELLANEOUS ITEMS. NO CHANGE ORDERS SHALL BE GIVEN FOR THESE ITEMS. 25. MOUNTING HEIGHTS TO BE VERIFIED WITH ARCHITECT PRIOR TO INSTALLING ALL PLUMBING FIXTURES, NO EXCEPTIONS. 26. INSULATE HORIZONTAL WASTE PIPING SERVING THE AHU/CRAC CONDENSATE PIPING TO THE VERTICAL RISE.



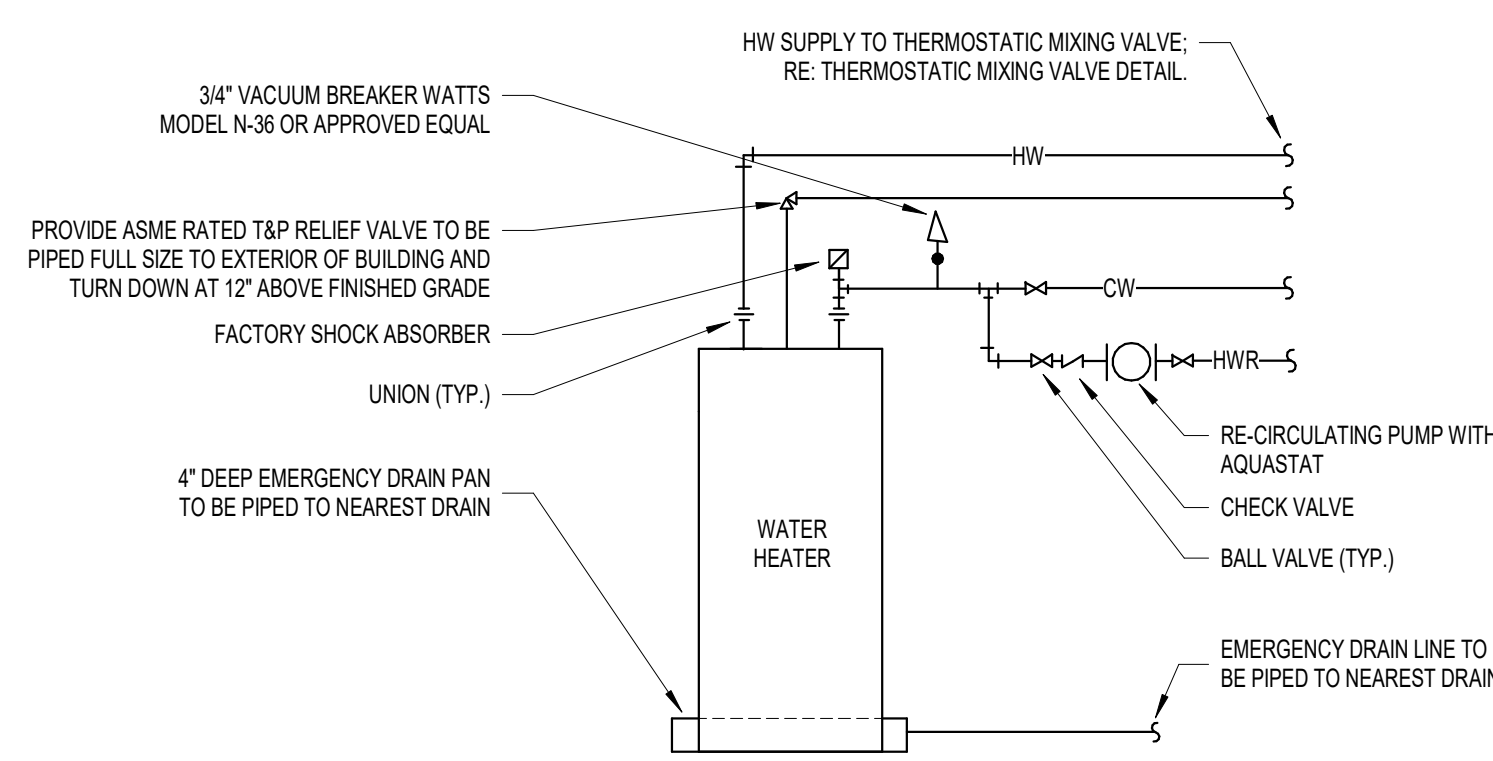
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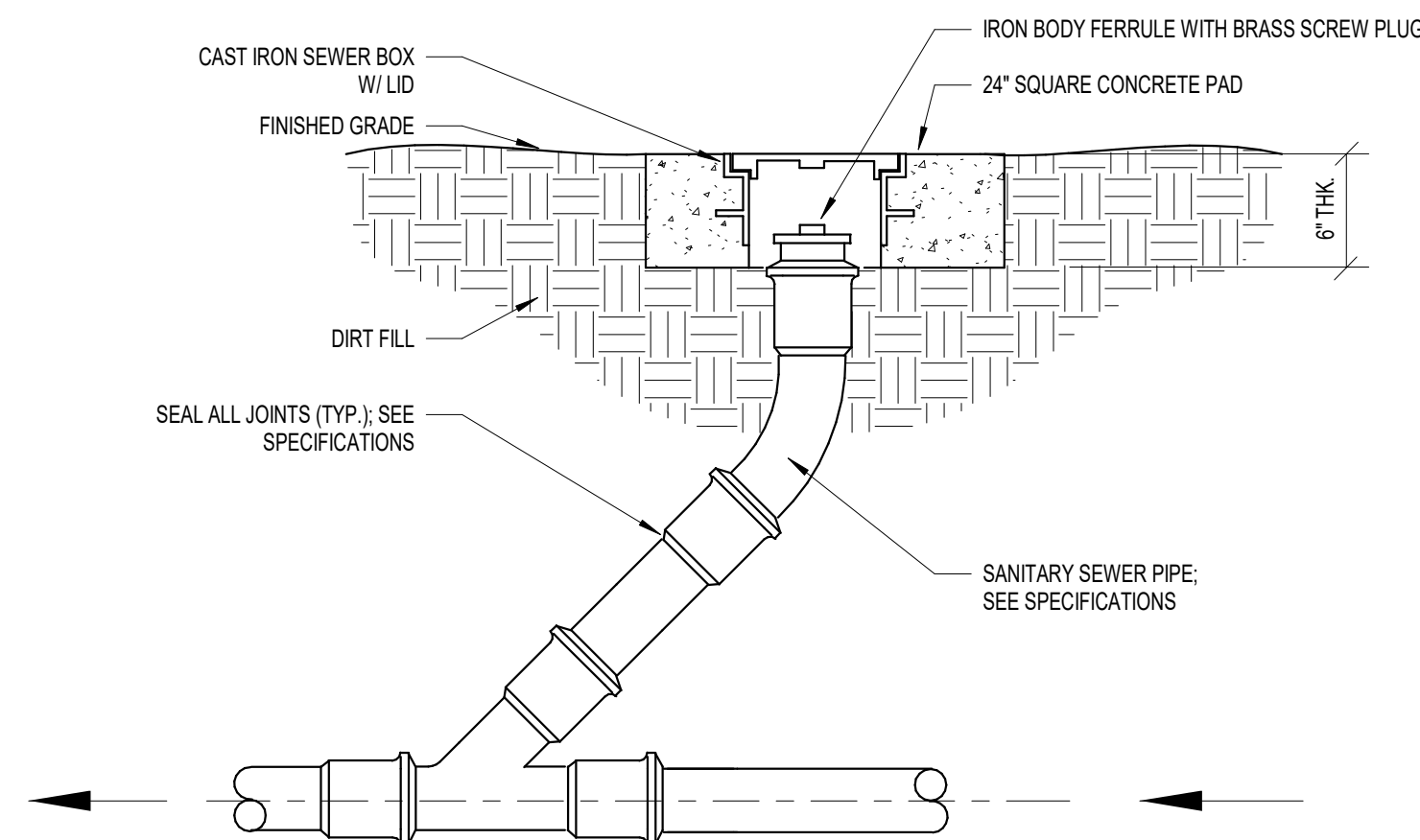
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1 | DETAIL - DOMESTIC WATER SHUTOFF
NTS

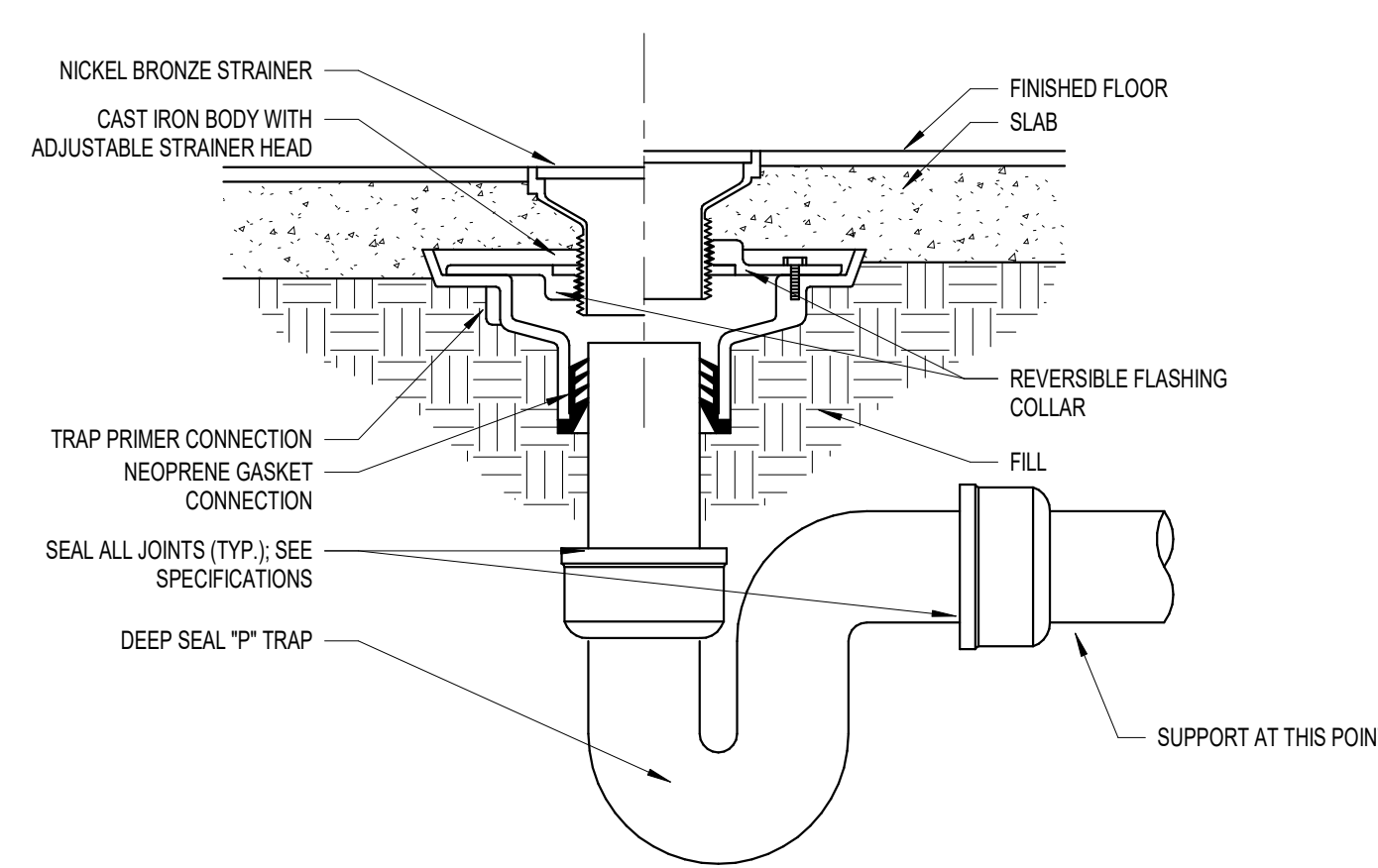


2 | DETAIL - ELECTRIC WATER HEATER
NTS



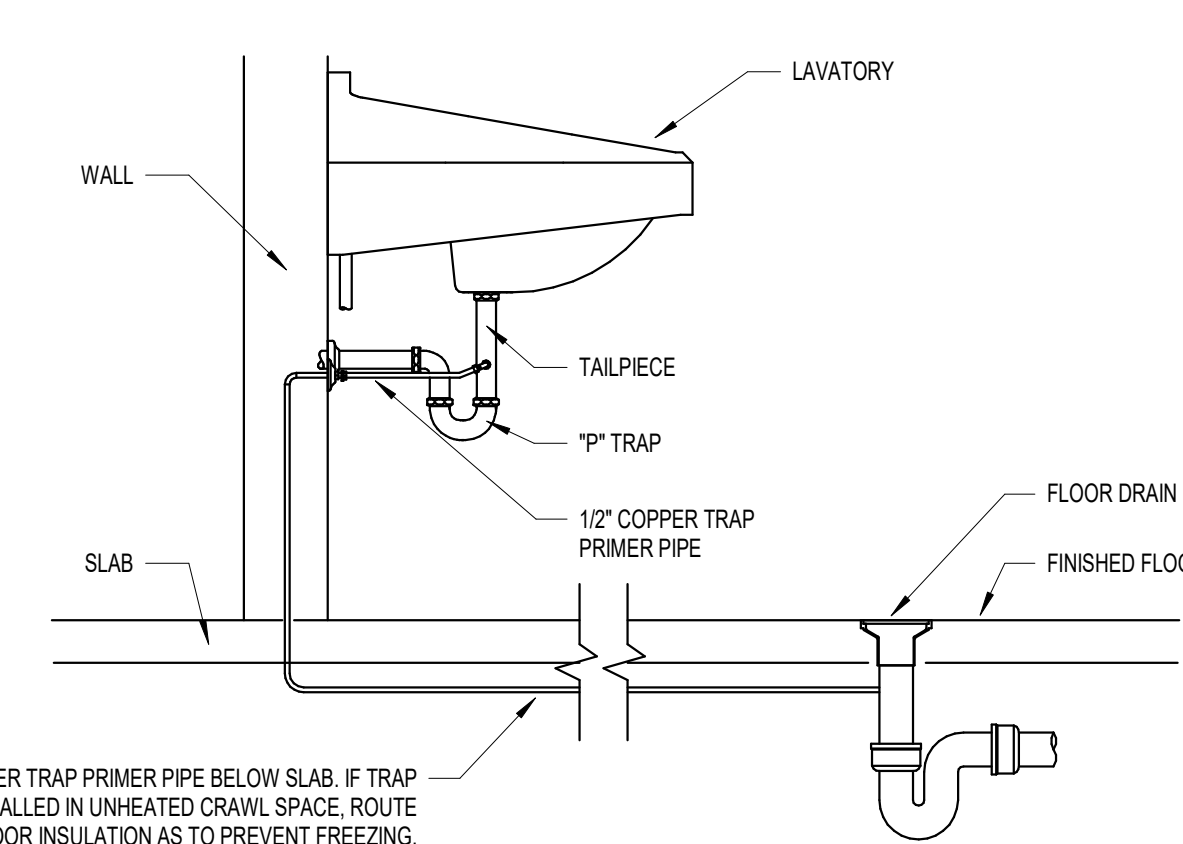
GENERAL NOTES:
1. ALL CLEANOUTS SHALL BE INSTALLED WITH THE FOLLOWING MINIMUM CLEARANCES: 12" MIN. ON CLEANOUTS SMALLER THAN 3" AND 18" MIN. ON CLEANOUTS 3" AND LARGER.

3 | DETAIL - EXTERIOR CLEANOUT
NTS



GENERAL NOTES:
1. ALL FLOOR DRAINS SHALL BE INSTALLED WITH A 1/2" TRAP PRIMER.
2. COORDINATE ROUGH IN HEIGHT OF ALL FLOOR DRAINS WITH SLAB/FINISHED FLOOR HEIGHT PRIOR TO SLAB BEING POURED.

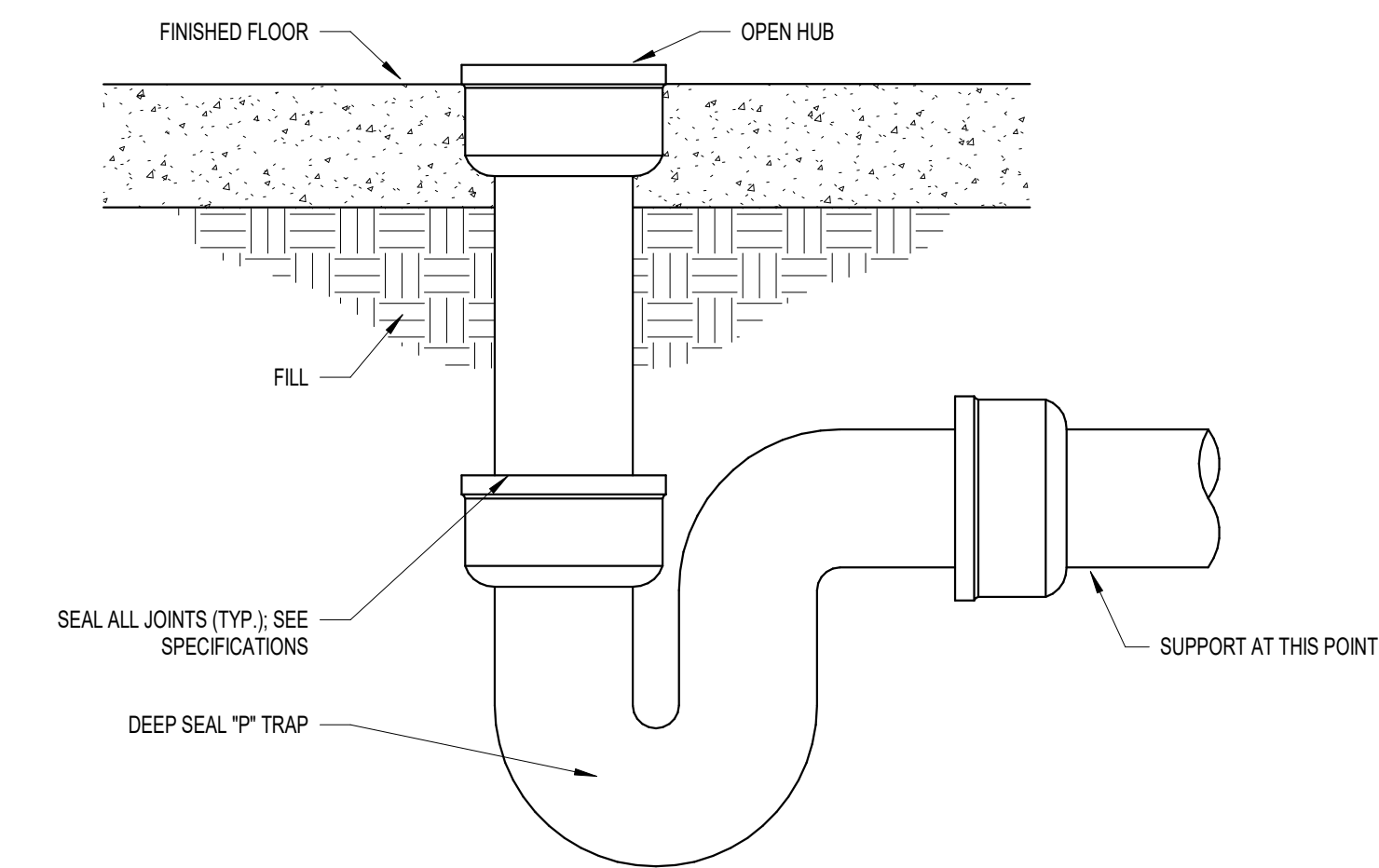
4 | DETAIL - FLOOR DRAIN
NTS



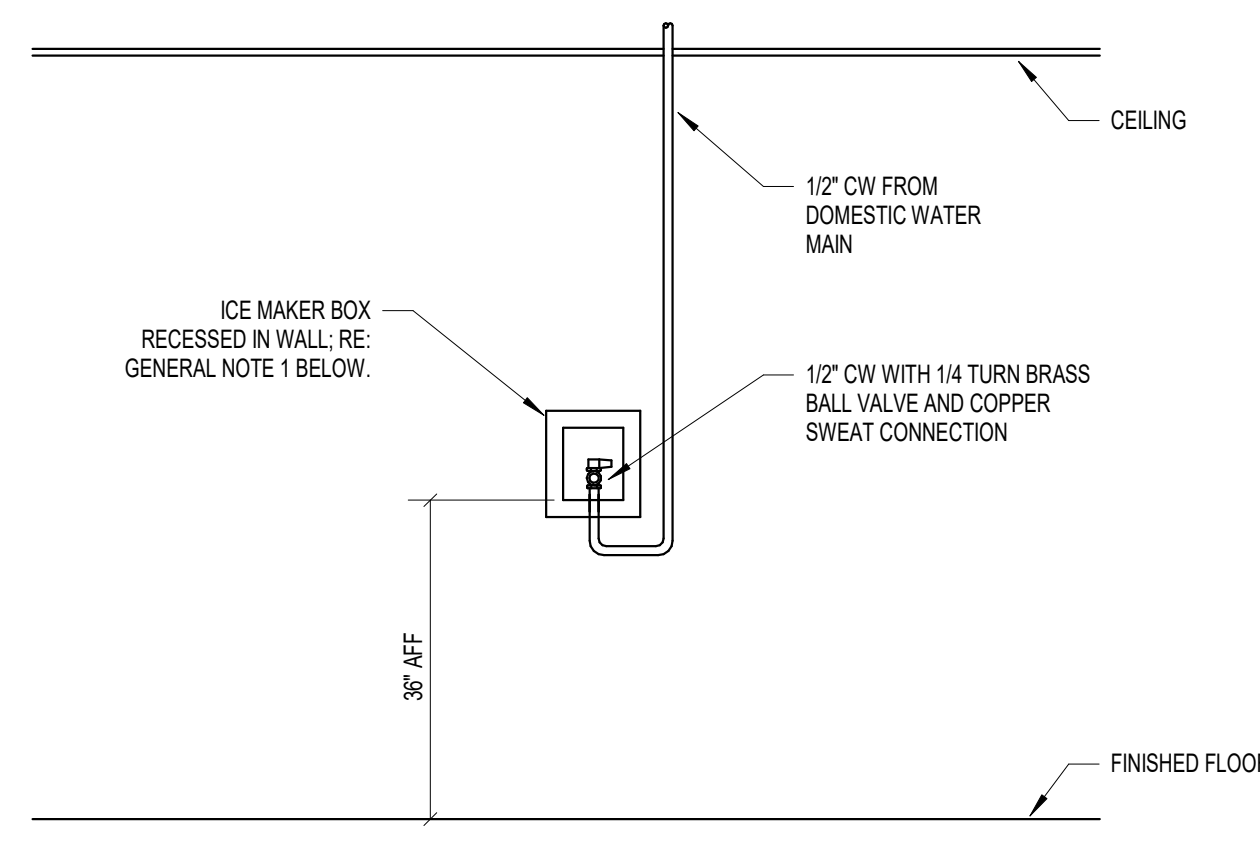
1/2" COPPER TRAP PRIMER PIPE BELOW SLAB. IF TRAP PRIMER IS INSTALLED IN UNHEATED CRAWL SPACE, ROUTE PIPE ABOVE FLOOR INSULATION AS TO PREVENT FREEZING.

GENERAL NOTES:
1. ALL COPPER PIPING BELOW SLAB SHALL BE SOFT DRAWN WITH NO JOINTS. ALL COPPER PIPING ABOVE SLAB SHALL BE HARD DRAWN COPPER.

5 | DETAIL - GRAVITY TRAP PRIMER
NTS

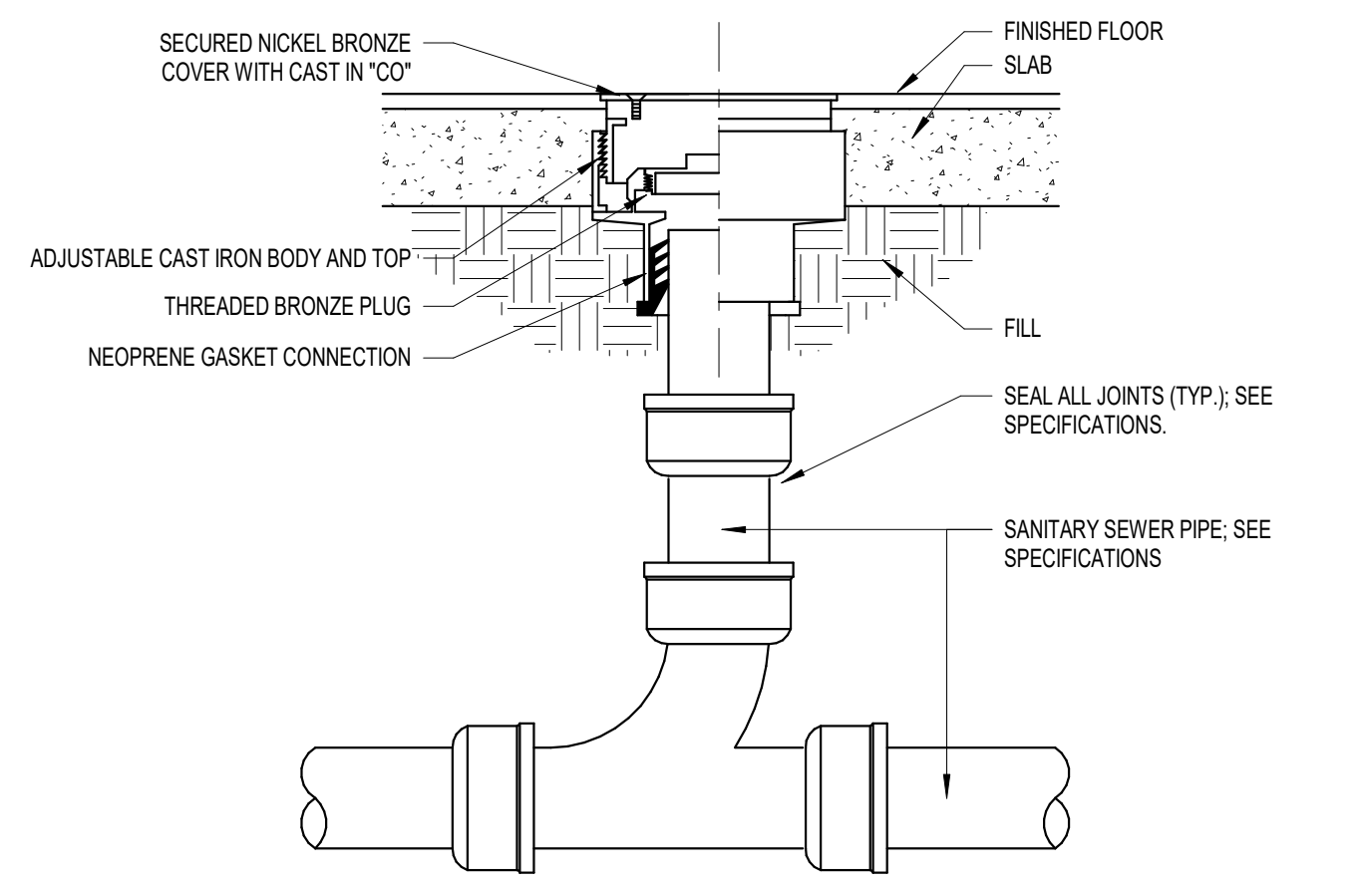


6 | DETAIL - HUB DRAIN
NTS



GENERAL NOTES:
1. ICE MAKER BOX TO BE ONE OF THE FOLLOWING MANUFACTURERS: GUY GRAY IPS CORPORATION OR OATEY. ICE MAKER BOX TO BE POWDER COATED METAL BOX WITH 1/4 TURN BRASS BALL VALVE, COPPER SWEAT CONNECTION, AND METAL MOUNTING BRACKETS AND FACEPLATE.

7 | DETAIL - ICE MAKER/COFFEE OUTLET BOX
NTS



GENERAL NOTES:
1. ALL CLEANOUTS SHALL BE INSTALLED WITH THE FOLLOWING MINIMUM CLEARANCES: 12" MIN. ON CLEANOUTS SMALLER THAN 3" AND 18" MIN. ON CLEANOUTS 3" AND LARGER.
2. CLEANOUTS SHALL BE LOCATED ALONG HORIZONTAL PIPING AT THE FOLLOWING MAXIMUM INTERVALS: 50'-0" MAX. ON PIPING 3" AND SMALLER AND 80'-0" MAX. ON PIPING 4" THROUGH 6".
3. COORDINATE ROUGH IN HEIGHT OF ALL CLEANOUTS WITH SLAB/FINISHED FLOOR HEIGHT PRIOR TO SLAB BEING POURED.

8 | DETAIL - INTERIOR CLEANOUT
NTS

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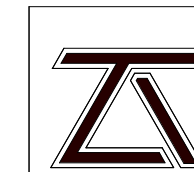


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ISSUED FOR
PROJECT NO. 3221105

PLUMBING DETAILS

sheet number

P2.1



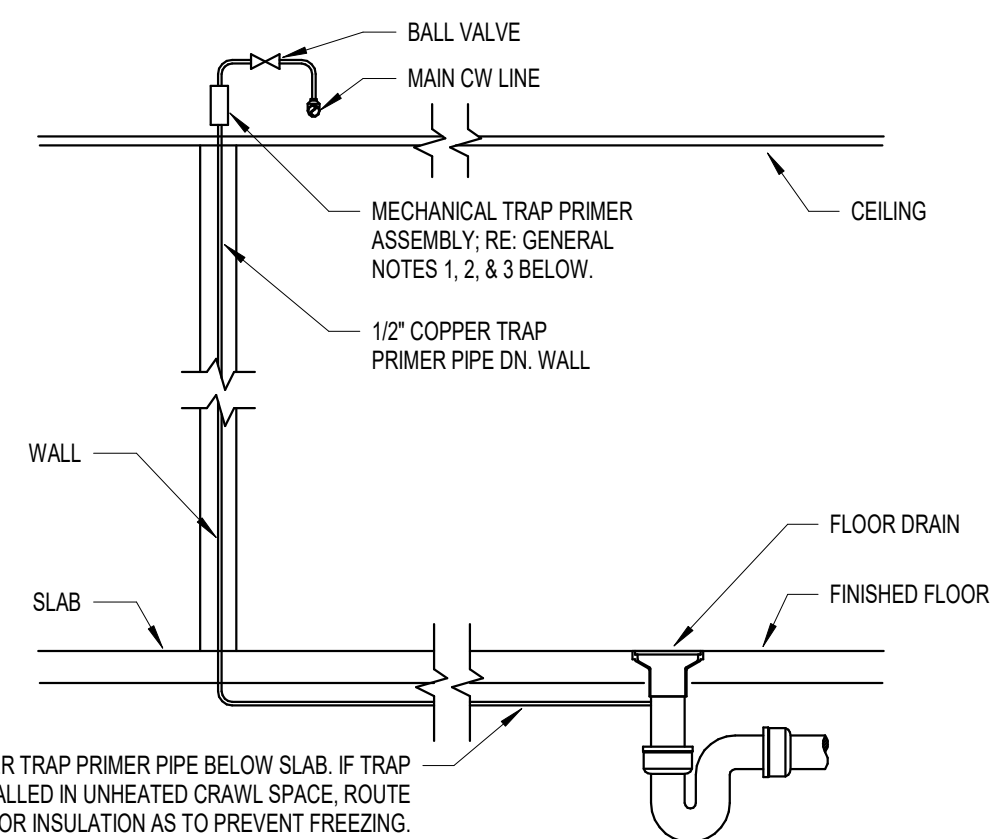
THOMPSON LUKE & ASSOCIATES, L.L.C.
10705 RIEGER RD., STE 101
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(225) 293-9474 TLA PROJECT #21-105
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GRACE HERBERT CURTIS ARCHITECTS, APAC

SEAL:

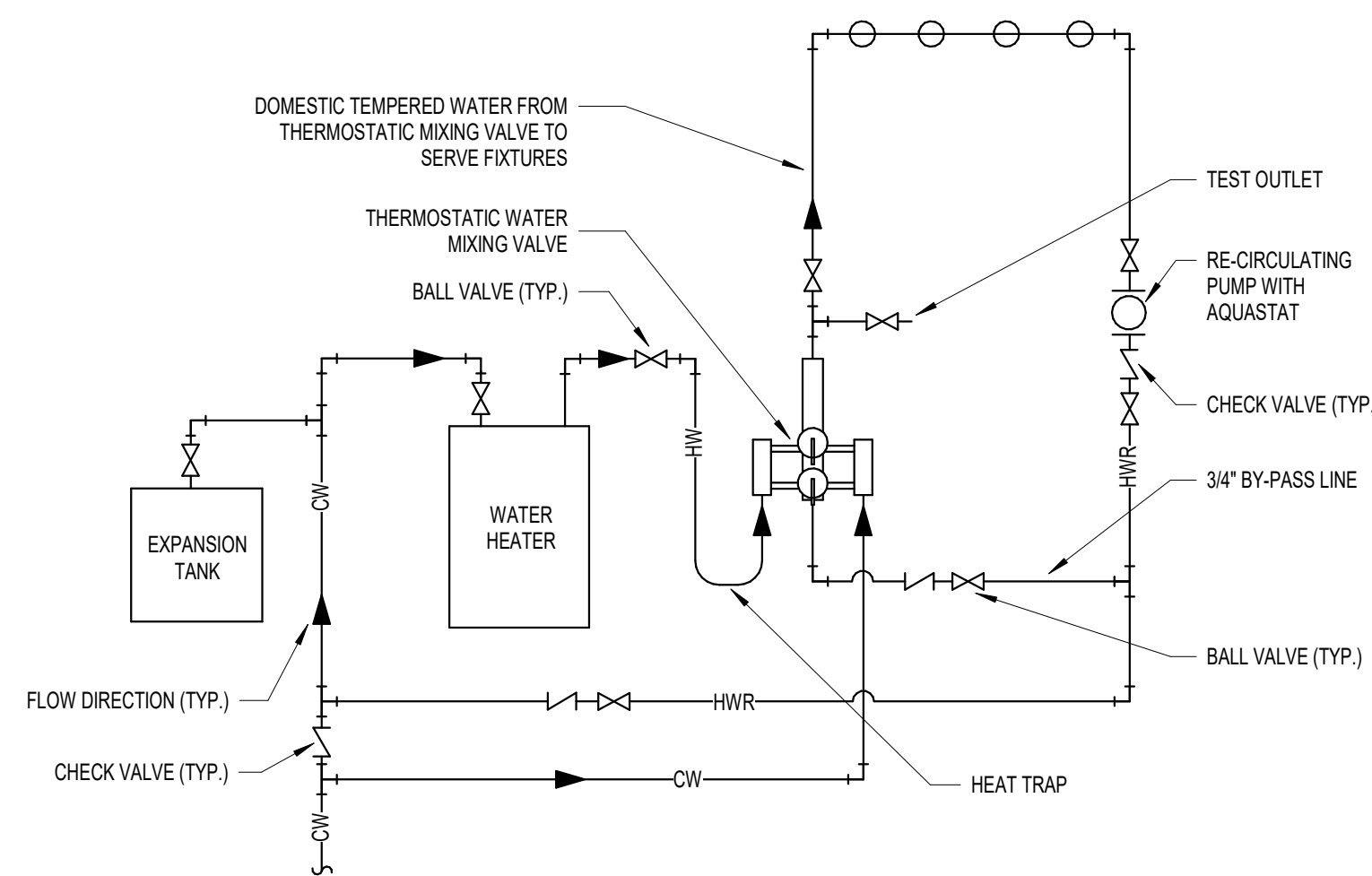
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GENERAL NOTES:

- MECHANICAL TRAP PRIMER VALVE TO BE ONE OF THE FOLLOWING MODELS: PPP INC. MODEL PR-500 WITH PPP INC. MODEL AG-500 AIR GAP FITTING AND PPP INC. MODEL DU-4 DISTRIBUTION UNIT OR MIFAB MODEL M-500 WITH MIFAB MODEL MI-GAP AIR GAP FITTING AND MIFAB MODEL M-DU DISTRIBUTION UNIT. THE DISTRIBUTION UNIT TO BE PROVIDED AS REQUIRED TO SERVE MULTIPLE DRAINS.
- (1) MECHANICAL TRAP PRIMER CAN SERVE UP TO (4) INDIVIDUAL DRAINS.
- IF MECHANICAL TRAP PRIMER IS INSTALLED IN INACCESSIBLE AREA, SUCH AS WITHIN WALL CAVITY OR ABOVE GYPSUM BOARD CEILING, AN ACCESS PANEL OR RECESSED WALL BOX SHALL BE INSTALLED TO ALLOW FOR SERVICE TO MECHANICAL TRAP PRIMER VALVE. MECHANICAL TRAP PRIMER SHALL BE INSTALLED A MINIMUM OF 12" ABOVE FINISHED FLOOR.
- ALL COPPER PIPING BELOW SLAB SHALL BE SOFT DRAWN WITH NO JOINTS. ALL COPPER PIPING ABOVE SLAB SHALL BE HARD DRAWN COPPER.

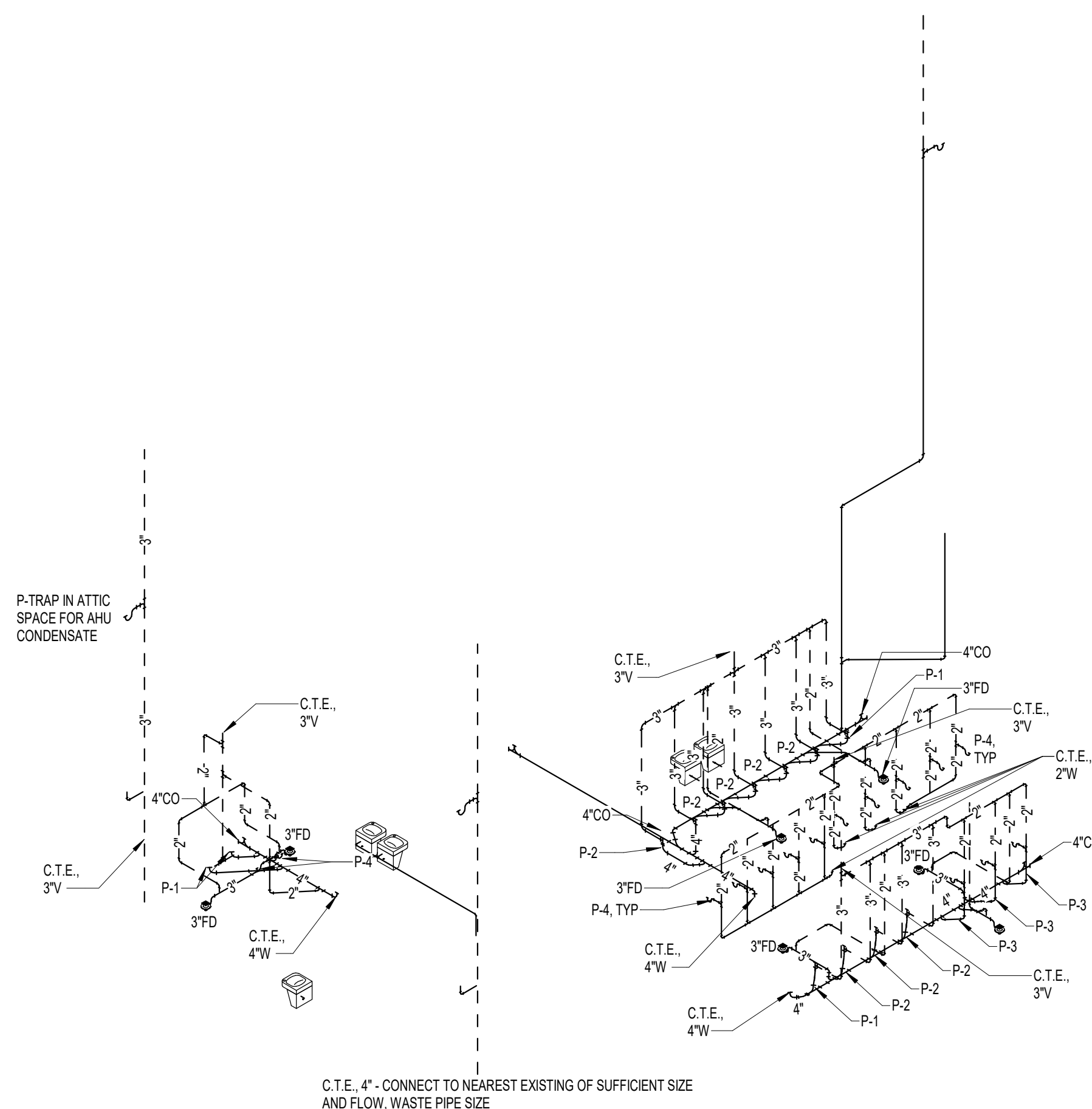
1 | DETAIL - MECHANICAL TRAP PRIMER
NTS



GENERAL NOTES:

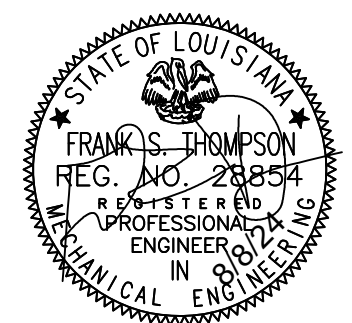
- ALL CHECK VALVES MOUNTED IN THE VERTICAL POSITION SHALL BE SPRING LOADED.
- ALL BALL VALVES SHALL BE FULL PORT LINE SIZE.

2 | DETAIL - THERMOSTATIC MIXING VALVE
NTS



3 | SANITARY SEWER RISER DIAGRAMS

J.I. WATSON HISTORICAL BUILDING -
HURRICANE REPAIRS (HL-060-03)
CALCASIEU PARISH SCHOOL BOARD
201 E 1ST ST., IOWA, LA 70647

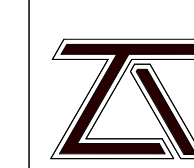


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