

# Renovations for Five (5) Pre-K Classrooms at Clayton J. Davenport Elementary School

2501 Spruce Avenue Egg Harbor Township, NJ 08234

## Egg Harbor Township School District

13 Swift Dr, Egg Harbor Township, NJ 08234

EST 1918

FVHDC


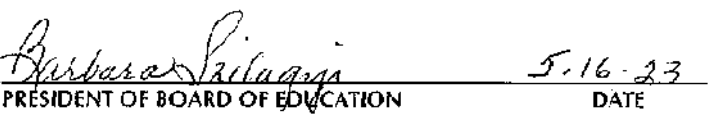
architects  
planners

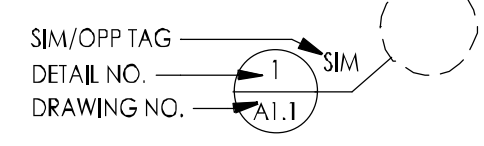
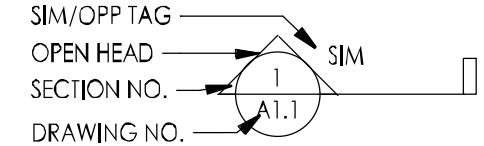
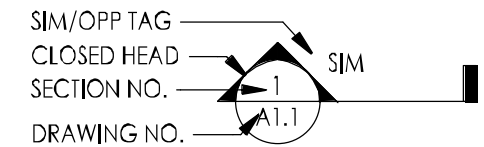
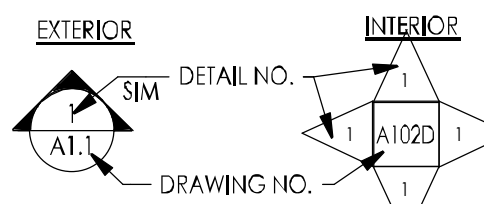
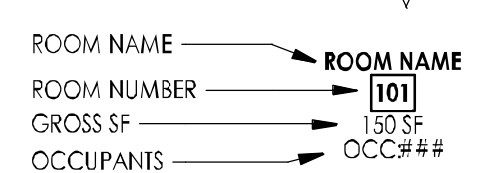

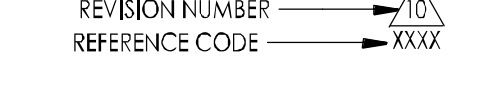






Fraytak Veisz Hopkins Duthie PC

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Gillan and Hartmann, Inc.  
CONSULTING M / E / P ENGINEERS

OWNER APPROVAL:

	5/16/23
SUPERINTENDENT	DATE
	5/16/23
PRESIDENT OF BOARD OF EDUCATION	DATE

DRAWING SYMBOLS	
	DETAIL IDENTIFICATION
	BUILDING SECTION IDENTIFICATION
	WALL SECTION IDENTIFICATION
	ELEVATION MARKS
	ROOM TAG
	COLUMN NUMBER
	REVISION NUMBER
	DOOR NUMBER
	WINDOW TYPE
	PARTITION TYPE
	CURTAIN WALL or STOREFRONT TAG
	DATUM or ELEVATION MARK CENTERLINE
	TOILET ACCESSORY TAG

ABBREVIATIONS	
CJ	CONTROL JOINT
CMU	CONCRETE MASONRY UNIT
CFMF	COLD FORMED METAL FRAMING
DN	DOWN
DWG	DRAWING
EFS	EXTERIOR INSULATION AND FINISH SYSTEM
EL	ELEVATION
EQ	EQUAL
EJ	EXPANSION JOINT
EWC	ELECTRIC WATER COOLER
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER (BRACKET MOUNTED)
FEC	FIRE EXTINGUISHER CABINET
FT	FLOOR OF FLOOR
FTW	FIRE RETARDANT TREATED WOOD
GALV	GALVANIZED
GSE	GROSS SQUARE FEET
GWB	CYPSUM WALL BOARD
HW	HOLLOW METAL
HP	HIGH POINT
LP	LOW POINT
MAX	MAXIMUM
MIN	MINIMUM
MO	MASONRY OPENING
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NSF	NET SQUARE FEET
OC	ON CENTER
OD	OVERFLOW DRAIN OR OUTSIDE DIAMETER
PD	PAINT OF PAINTED
PTW	PRESSURE TREATED WOOD
PVC	POLYVINYL CHLORIDE
RD	ROOF DRAIN
REIN	REINFORCED OR REINFORCING
RWC	RARI WATER CONDUCTOR
SF	SQUARE FEET
TOS	TOP OF STEEL
VIF	VERMIF IN FIELD

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H111E	ELEMENTARY SCHOOL HVAC REMOVALS-PARTIAL ROOF PLAN
H201E	ELEMENTARY SCHOOL HVAC NEW WORK-DUCTWORK-FIRST FLOOR PARTIAL PLAN
H201P	PRIMARY SCHOOL HVAC NEW WORK-DUCTWORK-FIRST FLOOR PARTIAL PLAN
H202E	ELEMENTARY SCHOOL HVAC NEW WORK-SPRING-FIRST FLOOR PARTIAL PLAN
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E201E	ELEMENTARY SCHOOL NEW WORK-SPRING-PARTIAL PLAN
E201P	PRIMARY SCHOOL NEW WORK-SPRING-PARTIAL PLAN
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E602	ELECTRICAL SCHEDULES
E601	ELECTRICAL DETAILS

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Architect



Project Name  
Renovations for Five (5) Pre-K Classrooms at Clayton J. Davenport Elementary School

Project Owner Name  
Egg Harbor Township School District

Project Location  
2501 Spruce Avenue  
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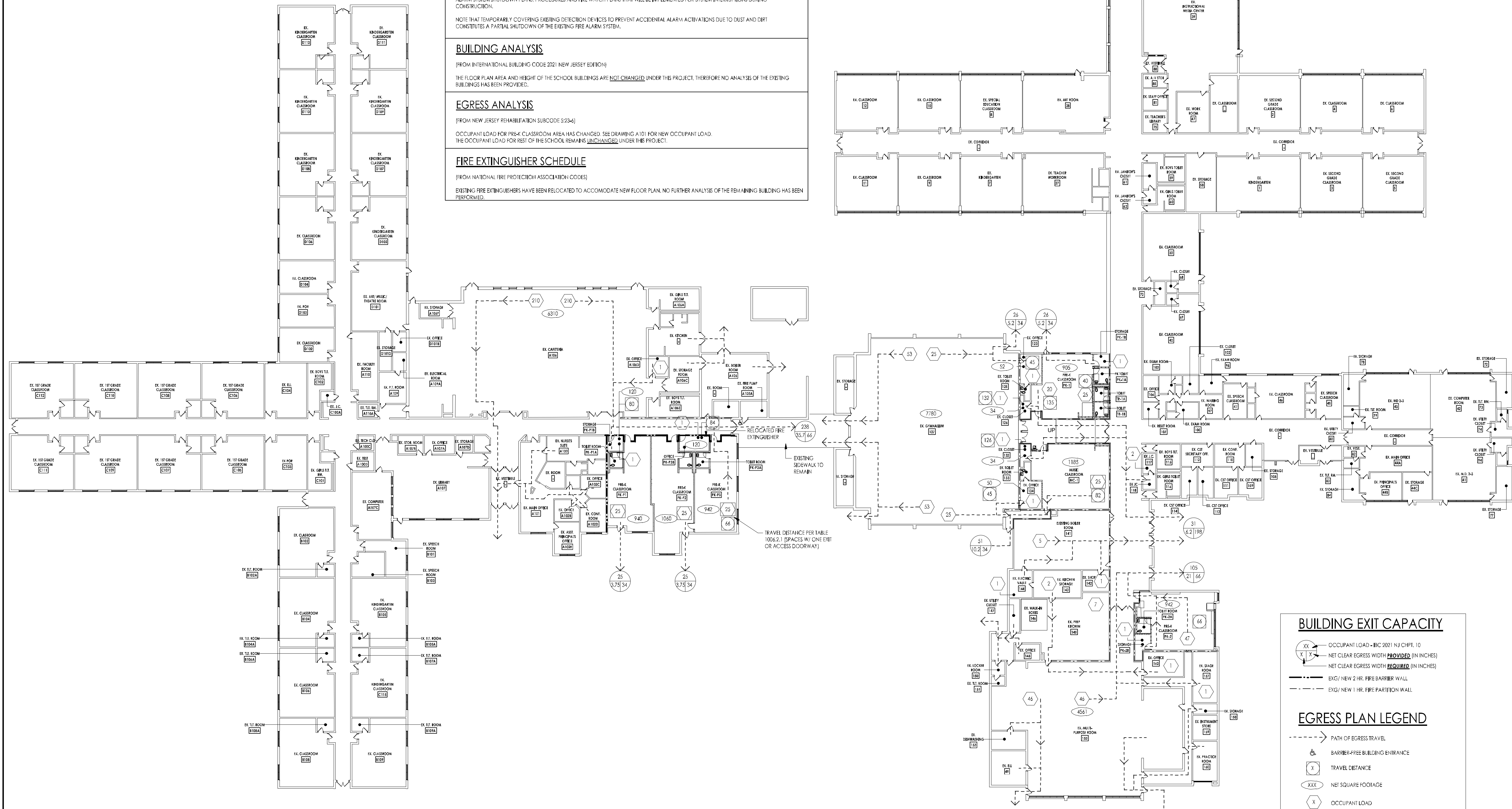
Project Number  
5481  
Project Date  
11/01/2024  
Checked By  
SWS, WDH  
Drawn By  
IVA  
Scale

Drawing Name  
TITLE SHEET

Revisions		
No.	Date	Description
1	11/26/2024	Addendum 1

Drawing Number:  
G001

CODE ANALYSIS: CLAYTON J. DAVENPORT ELEMENTARY SCHOOL	
[DAVENPORT PRIMARY SCHOOL]	
USE GROUP (SECTION 305) -	EDUCATIONAL GROUP 'E'
CONSTRUCTION CLASSIFICATION (602.2) -	TYPE IIB
AUTOMATIC SPRINKLER SYSTEMS (903)	FULLY SPRINKLERED IN AREA OF RENOVATION (THROUGHOUT BUILDING)
[DAVENPORT ELEMENTARY SCHOOL]	
USE GROUP (SECTION 305) -	EDUCATIONAL GROUP 'E'
CONSTRUCTION CLASSIFICATION (602.2) -	TYPE IIB
AUTOMATIC SPRINKLER SYSTEMS (903)	NON-SPRINKLERED IN AREA OF RENOVATION
APPLICABLE CODES	
CONSTRUCTION CODE	BASED ON INTERNATIONAL BUILDING CODE 2021, NEW JERSEY EDITION
CONSTRUCTION CODE	NEW JERSEY REHABILITATION SUBCODE S23-6
BUILDING SUBCODE	INTERNATIONAL BUILDING CODE 2021 - NEW JERSEY EDITION
BARRIER FREE SUBCODE	CC-ANSI A117.1-2017 - TOILET ROOMS COMPLY WITH THE BARRIER FREE SUBCODE TO THE FULLEST EXTENT POSSIBLE
PLUMBING CODE	NATIONAL STANDARD PLUMBING CODE 2021
MECHANICAL CODE	INTERNATIONAL MECHANICAL CODE 2021
ELECTRIC CODE	NATIONAL ELECTRIC CODE 2020
REHAB. SUBCODE	NEW JERSEY UNIFORM CONSTRUCTION CODE, SUPPLEMENT 6
EXISTING FIRE ALARM SYSTEM NOTE:	
IF ANY PORTION OF THE EXISTING FIRE ALARM SYSTEM MUST BE TAKEN OUT OF SERVICE FOR ANY LENGTH OF TIME, THE LOCAL FIRE MARSHAL MUST BE CONTACTED AND MUST APPROVE SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED.	
CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE LOCAL FIRE MARSHAL CONCERNING THE EXISTING FIRE ALARM SYSTEM SHUTDOWN PLANS, PROCEDURES AND FIRE WATCH PLANS THAT WILL BE IMPLEMENTED FOR SYSTEM INTERRUPTIONS DURING CONSTRUCTION.	
NOTE THAT TEMPORARILY COVERING EXISTING DETECTION DEVICES TO PREVENT ACCIDENTAL ALARM ACTIVATIONS DUE TO DUST AND DIRT CONSTITUTES A PARTIAL SHUTDOWN OF THE EXISTING FIRE ALARM SYSTEM.	
BUILDING ANALYSIS	
(FROM INTERNATIONAL BUILDING CODE 2021, NEW JERSEY EDITION)	
THE FLOOR PLAN AREA AND HEIGHT OF THE SCHOOL BUILDINGS ARE NOT CHANGED UNDER THIS PROJECT, THEREFORE NO ANALYSIS OF THE EXISTING BUILDINGS HAS BEEN PROVIDED.	
EGRESS ANALYSIS	
(FROM NEW JERSEY REHABILITATION SUBCODE S23-6)	
OCCUPANT LOAD FOR PRE-K CLASSROOM AREA HAS CHANGED. SEE DRAWING A101 FOR NEW OCCUPANT LOAD.	
THE OCCUPANT LOAD FOR REST OF THE SCHOOL REMAINS UNCHANGED UNDER THIS PROJECT.	
FIRE EXTINGUISHER SCHEDULE	
(FROM NATIONAL FIRE PROTECTION ASSOCIATION CODES)	
EXISTING FIRE EXTINGUISHERS HAVE BEEN RELOCATED TO ACCOMMODATE NEW FLOOR PLAN. NO FURTHER ANALYSIS OF THE REMAINING BUILDING HAS BEEN PERFORMED.	



1 EGRESS PLAN (DAVENPORT PRIMARY SCHOOL)  
3/84" = 1'-0"

2 EGRESS PLAN DAVENPORT (ELEMENTARY SCHOOL)  
3/64" = 1'-0"

WILLIAM D. HOPKINS III, AIA, LEED AP  
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ARCHITECT

**FVHD** architects  
EST. 1988  
Fraytak Veisz Hopkins Duthie P.C.

Project Name  
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Project Owner Name  
Egg Harbor Township  
School District

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Egg Harbor Township,  
NJ 08234

Project Number  
5481  
Project Date  
11/01/2024  
Checked By  
SWS, WDH  
Drawn By  
IVA  
Scale

Drawing Name  
BUILDING ANALYSIS  
AND EGRESS PLANS

Revisions  
No. Date Description  
1 11/26/2024 Addendum 1

Drawing Number  
A101



## GENERAL DEMOLITION NOTES

- A. ALL CONTRACTORS ARE ADVISED TO VISIT THE SITE AND VERIFY ALL AREAS AND CONDITIONS PRIOR TO SUBMITTING THEIR BID. THE CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR OMISSIONS IN WRITING AT LEAST SEVEN DAYS PRIOR TO THE RECEIPT OF BIDS. FAILURE TO DO SO NOTifies THE ARCHITECT THAT ANY ADDITIONAL COSTS ASSOCIATED WITH THE DISCREPANCIES AND/OR OMISSIONS ARE INCLUDED IN THE CONTRACTOR'S BID AND THAT NO CHANGE TO THE CONTRACT AMOUNT WILL BE MADE AFTER THE RECEIPT OF BIDS OR THE AWARD OF CONTRACT.
- B. ALL PLUMBING, MECHANICAL OR ELECTRICAL DISCONNECTS SHALL BE MADE BY THE RESPECTIVE TRADE SUBCONTRACTOR. ALL EQUIPMENT, FIXTURES, ETC. SHALL BE REMOVED FROM THE SITE BY THE RESPECTIVE SUBCONTRACTOR. NOTE: THE EXISTING FIRE ALARM SYSTEM SHALL NOT BE DIMINISHED NOR SHALL EXISTING FIRE ALARM DEVICES BE REMOVED UNTIL NEW DEVICES ARE READY FOR SWITCHOVER.
- C. UNLESS NOTED OTHERWISE ALL DEMOLITION MATERIAL SHALL BE REMOVED OFF SITE BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
- D. THERE ARE SOME SPECIFIC ITEMS DESIGNATED BY THE ARCHITECT FOR SALVAGE. THESE ITEMS ARE INTENDED FOR REUSE IN THE NEW CONSTRUCTION. THE CONTRACTOR MUST TAKE CARE IN THE REMOVAL AND STORAGE OF THESE ITEMS UNTIL THEY ARE NEEDED IN THE NEW CONSTRUCTION.
- E. THE CONTRACTOR SHALL MAKE EVERY EFFORT TO PROTECT PORTIONS OF THE EXISTING CONSTRUCTION WHICH ARE ADJACENT TO AREAS TO BE DEMOLISHED. MAKE ALL CUTS AS NEATLY AS POSSIBLE. REFER TO FLOOR PLAN DRAWINGS FOR FINISHING OF THESE AREAS.
- F. IF NOT OTHERWISE NOTED, ALL SURFACES LEFT ROUGH OR UNFINISHED BY DEMOLITION AND WHICH ARE EXPOSED TO VIEW SHALL BE PATCHED TO MATCH ADJACENT SURFACES AND FINISHED TO PROVIDE A UNIFORM APPEARANCE WITH REGARD TO SIZE, SHAPE, COLOR, TEXTURE AND MATERIAL.
- G. THE CONTRACTOR SHALL PROVIDE A PHYSICAL BARRIER TO CONTAIN DUST AND DIRT AROUND THE DEMOLITION AREA AND SHALL MAKE EVERY EFFORT TO KEEP THE DEMOLITION SITE AND SURROUNDING AREAS AS CLEAN AS POSSIBLE. ALL TEMPORARY PARTITIONS SHALL BE 1 HOUR RATED CONSTRUCTION AND INCLUDE A DOOR.
- H. NO DEMOLITION SHALL BEGIN UNTIL PROPER PROTECTION IS IN PLACE AND APPROVED BY ARCHITECT & OWNER TO ENSURE THE SAFETY OF THE PUBLIC. THE BUILDING OCCUPANTS, CONSTRUCTION WORKERS AND TO CONTAIN DUST AND DIRT WITHIN THE AREA OF DEMOLITION.
- I. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE AND LOCAL LAWS REGARDING THE REMOVAL AND DISPOSAL OF ALL MATERIALS & EQUIPMENT.
- J. THE CONTRACTOR SHALL PROVIDE PROTECTION AGAINST INCLEMENT WEATHER FOR THE EXISTING BUILDING DURING THE INTERIM PERIOD BETWEEN DEMOLITION AND THE COMPLETION OF NEW CONSTRUCTION.
- K. THE CONTRACTORS SHALL TAKE INTO ACCOUNT THEIR METHODS OF CONSTRUCTION FOR THE NEW WORK AND INCLUDE IN THEIR BID THE COST OF ADDITIONAL DEMOLITION WORK NECESSARY TO FACILITATE THE CONSTRUCTION. THE WORK INCLUDES, BUT IS NOT LIMITED TO, THE PARTIAL DISJUNCTION OF WALLS AT THE POINTS WHERE NEW STEEL CONNECTS TO EXISTING BEAMS OR COLUMNS, THE AREA AROUND JOINTS BETWEEN NEW AND EXISTING CONSTRUCTION IN WALLS, FLOORS AND CEILINGS, AREAS OF SIDEWALK AND PAVING, ETC. MUCH OF THIS WORK IS INDICATED IN SECTIONS AND DETAILS REGARDING THE NEW CONSTRUCTION.
- L. THE DEMOLITION WORK SHOWN ON THIS PLAN IS INTENDED TO BE A GENERAL OVERVIEW OF MAJOR DEMOLITION WORK REQUIRED. IT IS NOT A COMPLETE AND EXCLUSIVE REPRESENTATION OF ALL DEMOLITION WORK NEEDED FOR EXECUTION OF THE PROJECT. WHEN PREPARING THEIR BIDS, CONTRACTORS MUST REFER TO THE FULL SET OF CONSTRUCTION DOCUMENTS FOR VARIOUS MISCELLANEOUS ITEMS WHICH MUST BE REMOVED AND/OR RELOCATED AS PART OF THE WORK.
- M. ALL PRIME CONTRACTORS ARE RESPONSIBLE FOR THEIR OWN CUTTING AND PATCHING-SEE SPECIFICATION.
- N. IF DURING THE DEMOLITION, RENOVATION AND ALTERATION WORK IN THE EXISTING BUILDING, STRUCTURAL ELEMENTS ARE UNCOVERED AND ARE FOUND TO BE UNSOUND OR OTHERWISE STRUCTURALLY DEFICIENT, THE GENERAL CONTRACTOR SHALL IMMEDIATELY ADVISE THE ARCHITECT AND THE STRUCTURAL ENGINEER OF RECORD OF THE CONDITION SO THAT APPROPRIATE MEASURES TO REINFORCE, SUPPORT OR REPLACE THE UNSOUND ELEMENTS CAN BE DESIGNED AND IMPLEMENTED.
- O. CONTRACTOR SHALL MAINTAIN ALL EXISTING FIRE-RATED CONSTRUCTION ASSEMBLIES INCLUDING PROTECTED OPENINGS (DOORS, ETC.) DURING DEMOLITION AND ALTERATION WORK IN ORDER TO MAINTAIN EXISTING LIFE SAFETY AND EGRESS. CONTRACTOR IS RESPONSIBLE FOR ALL SEQUENCING AND SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES UNTIL NEW WORK IS READY FOR INSTALLATION. CONTRACTOR SHALL NOT REMOVE ANY EXISTING FIRE-RATED ASSEMBLIES BEYOND THAT WHICH CAN BE REPLACED IN A SINGLE DAY.
- P. THE OWNER HAS THE RIGHT OF FIRST REFUSAL FOR ALL EQUIPMENT AND FIXTURES (CABINETS, SHELVING, PLUMBING FIXTURES, ETC.) REMOVED UNDER CONTRACT. IF THE OWNER DOES NOT EXERCISE THIS RIGHT FOR AN INDIVIDUAL PIECE OF EQUIPMENT, THE CONTRACTOR SHALL REMOVE SAID EQUIPMENT FROM THE SITE.

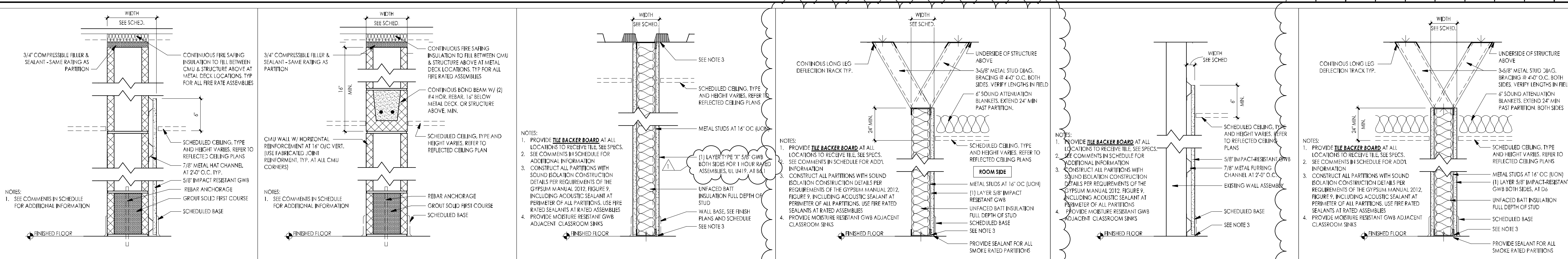
## DEMOLITION KEYNOTE LEGEND

- D1 REMOVE INTERIOR FRAMED WALL ASSEMBLY AS INDICATED.
- D2 BRACE AND SHORE UP EXISTING ADJACENT WALL CONSTRUCTION INDICATED TO REMAIN. SAWCUT AND REMOVE PORTION OF INTERIOR MASONRY WALL ASSEMBLY TO WIDTH INDICATED. AND FULL HEIGHT, UNLESS FOR EXPANDING AN EXISTING DOOR OPENING. NO EXISTING STRUCTURAL COLUMNS SHALL BE REMOVED OR COMPROMISED IN ANY WAY. PATCH AND REPAIR ALL VOIDS AND DAMAGE CAUSED BY EXISTING CONSTRUCTION TO REMAIN DUE TO DEMOLITION. TO MATCH EXISTING ADJACENT CONSTRUCTION.
- D3 REMOVE EXISTING BASE. REMOVE EXISTING EPOXY FLOOR COATING DOWN TO CONCRETE SLAB. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES). OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 0340.
- D4 REMOVE DOOR, FRAME, HARDWARE, TRIM MOLDING AND ANY ASSOCIATED ACCESSORIES IN THEIR ENTIRETY. PREPARE THE OPENING FOR THE SPECIFIED WORK AND FINISH.
- D5 REMOVE EXISTING BASE. REMOVE EXISTING FINISH DOWN TO CONCRETE SLAB INCLUDING ALL ADHESIVES. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES). OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 0340.
- D7 REMOVE SUSPENDED CEILING SYSTEM IN ENTIRETY INCLUDING LIGHTING FIXTURES, SMOKE-OUT CONDUITS WHERE SCHEDULED TO BE REUSED OTHERWISE TERMINATE CONDUIT AND WIRING BACK TO NEAREST PANEL. SEE ELECTRICAL DRAWINGS.
- D8 REMOVE PLUMBING FIXTURES AS INDICATED. SEE PLUMBING DRAWINGS.
- D10 BRACE AND SHORE UP EXISTING WALL CONSTRUCTION ABOVE. REMOVE EXISTING BORROWED LIGHT FRAME AND GLAZING, INCLUDING TRIM MOLDING AND ANY ASSOCIATED ACCESSORIES IN THEIR ENTIRETY. REFERENCE FLOOR PLAN FOR NEW WORK.
- D11 BRACE EXISTING ADJACENT WALL CONSTRUCTION. SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR ASSEMBLY AS INDICATED TO ACCOMMODATE NEW WORK. PATCH AND REPAIR ALL VOIDS AND DAMAGE CAUSED BY EXISTING CONSTRUCTION TO REMAIN DUE TO DEMOLITION. REFERENCE DETAIL 7/10/2 FOR TYP. INFILL DETAIL.
- D12 REMOVE EXISTING TOILET ACCESSORIES INCLUDING BUT NOT LIMITED TO: TOILET PARTITIONS, PAPER TOWEL, AND TOILET TISSUE DISPENSERS, SOAP DISPENSERS, MIRRORS, GRAB BARS AND HAND DRYERS. PATCH AND REPAIR SURFACES DAMAGED BY THE REMOVAL.
- D14 REMOVE INDICATED EXISTING DOOR AND FRAME IN THEIR ENTIRETY. INFILL OPENING WITH NEW CONSTRUCTION TO MATCH EXISTING ADJACENT CONSTRUCTION. AS INDICATED IN FLOOR PLAN. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH OR PREP SUBSTRATE TO CONDITION SUITABLE FOR NEW FINISH.
- D15 CAREFULLY REMOVE, SALVAGE, AND TURN OVER TO OWNER ALL WALL MOUNTED ITEMS INCLUDING, BUT NOT LIMITED TO: PICTURE STEPS, PICTURE STORAGE, FLAGS, HOOKS, NAILS, TRIM, BRACKETS.
- D16 REMOVE EXISTING FLOOR FINISH AND BASE. REMOVE EXISTING EPOXY FLOOR COATING DOWN TO CONCRETE SLAB. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES). OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 0340.
- D19 BRACE AND SHORE UP EXISTING CONSTRUCTION TO REMAIN ABOVE OPENING. SAWCUT AND REMOVE EXISTING WALL CONSTRUCTION TO WIDTH INDICATED. ON DEMOLITION PLAN AND TO FIRST MASONRY COURSE ABOVE OPENING. SEE FLOOR PLAN AND WINDOW DETAILS FOR NEW FINISHES AND CONSTRUCTION. TIGHTEN NEW BRICK INTO EXISTING BRICK PATTERN AT BOTH SIDES OF THE JAMB OPENINGS. CONTRACTOR SHALL TAKE ALL NECESSARY STEPS TO ENSURE BUILDING SECURITY AND WEATERTIGHTNESS. FINISH ALL NEWLY EXPOSED SURFACES AND PATCH AND REPAIR ALL DAMAGE CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH.
- D21 CAREFULLY REMOVE PORTION OF EXISTING WINDOW OR STOREFRONT (GLAZING, INSULATED METAL PANEL, MILLION OR RAIL) INCLUDING ASSOCIATED ACCESSORIES, TO ACCOMMODATE MECHANICAL WORK (REFER TO MECHANICAL DWGS). INFILL REPAIR FRAME AND REPAIR WINDOW TO ORIGINAL CONDITION OR INSTALL NEW WINDOW TO MATCH EXISTING ADJACENT CONSTRUCTION.
- D27 REMOVE EXISTING FIRE EXTINGUISHER AND/OR EXTINGUISHER CABINET IN ITS ENTIRETY. SALVAGE AND REINSTALL TO LOCATION AS INDICATED IN PLAN.
- D28 BRACE AND SHORE UP EXISTING WALL CONSTRUCTION ABOVE. SAWCUT AND CAREFULLY REMOVE PORTION OF INTERIOR MASONRY WALL ASSEMBLY TO WIDTH INDICATED. AND REPAIR BASES ON NEW DOOR FRAME. REMOVE DOOR SCHEDULED TO BE REMOVED. PATCH AND REPAIR ALL VOIDS AND DAMAGE CAUSED BY EXISTING CONSTRUCTION TO REMAIN DUE TO DEMOLITION. TO MATCH EXISTING ADJACENT CONSTRUCTION AND FINISH.
- D30 REMOVE EXISTING BASE. REMOVE EXISTING FINISH DOWN TO CONCRETE SLAB INCLUDING ALL ADHESIVES. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES). OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 0340.
- D33 REMOVE EXISTING BASE. REMOVE EXISTING FINISH DOWN TO CONCRETE SLAB INCLUDING ALL ADHESIVES. CLEAN, PREPARE & LEVEL EXISTING FLOOR SLAB WITH SELF-LEVELING UNDERLAYMENT (COMPATIBLE WITH NEW FLOOR FINISHES). OVER ENTIRE SURFACE OF EXISTING FLOOR TO MAKE FLOOR LEVEL AND FLUSH. INSTALL NEW FLOOR FINISH AND BASE. SEE ROOM FINISH SCHEDULE AND SPECIFICATION SECTION 0340.
- D35 BRACE AND SHORE UP EXISTING WALL CONSTRUCTION ABOVE. SAWCUT AND CAREFULLY REMOVE PORTION OF INTERIOR MASONRY WALL ASSEMBLY TO WIDTH INDICATED. AND REPAIR BASES ON NEW DOOR FRAME. REMOVE DOOR SCHEDULED TO BE REMOVED. PATCH AND REPAIR ALL VOIDS AND DAMAGE CAUSED BY EXISTING CONSTRUCTION TO REMAIN DUE TO DEMOLITION. TO MATCH EXISTING ADJACENT CONSTRUCTION AND FINISH.
- D37 BRACE AND SHORE UP EXISTING WALL CONSTRUCTION ABOVE. SAWCUT AND CAREFULLY REMOVE PORTION OF INTERIOR MASONRY WALL ASSEMBLY TO WIDTH INDICATED. AND REPAIR BASES ON NEW DOOR FRAME. REMOVE DOOR SCHEDULED TO BE REMOVED. PATCH AND REPAIR ALL VOIDS AND DAMAGE CAUSED BY EXISTING CONSTRUCTION TO REMAIN DUE TO DEMOLITION. TO MATCH EXISTING ADJACENT CONSTRUCTION AND FINISH.
- D39 BRACE AND SHORE UP EXISTING WALL CONSTRUCTION ABOVE. SAWCUT AND CAREFULLY REMOVE PORTION OF INTERIOR MASONRY WALL ASSEMBLY TO WIDTH INDICATED. AND REPAIR BASES ON NEW DOOR FRAME. REMOVE DOOR SCHEDULED TO BE REMOVED. PATCH AND REPAIR ALL VOIDS AND DAMAGE CAUSED BY EXISTING CONSTRUCTION TO REMAIN DUE TO DEMOLITION. TO MATCH EXISTING ADJACENT CONSTRUCTION AND FINISH.
- D40 REMOVE EXISTING WALL MOUNTED CLOCKS INCLUDING ACCESSORIES. SALVAGE AND TURN OVER TO OWNER. INFILL REPAIR AND REFINISH WALL SURFACE TO MATCH EXISTING ADJACENT CONSTRUCTION. CONDITION AND FINISH.

## NEW WORK KEYNOTE LEGEND

- C1 INSTALL SIGNAGE (SEE SIGN TYPE 3) ADJACENT TO EXISTING DOOR. REFER TO ROOM SIGNAGE MOUNTING FOR DETAILS.
- C2 PATCH AND REPAIR EXISTING FLOOR AND WALL AFFECTED BY THE REMOVAL OF INTERIOR WALL ASSEMBLY AND PREP SURFACE TO CONDITION SUITABLE TO RECEIVE NEW FLOOR AND/OR WALL FINISH. FINISH FLOOR WALL TO MATCH EXISTING ADJACENT FLOOR FINISH. UNLESS NOTED OTHERWISE, NEW CMU WALL CONSTRUCTION SHALL BE TOOTHED INTO EXISTING CMU WALL CONSTRUCTION.
- C6 INFILL OPENING WITH WALL TYPE TO MATCH EXISTING ADJACENT CONSTRUCTION AND RATING. PATCH AND REPAIR ALL DAMAGE AND VOIDS CAUSED BY REMOVAL TO MATCH EXISTING ADJACENT FINISH OR PREP SUBSTRATE TO CONDITION SUITABLE FOR NEW FINISH.
- C8 2-HOUR RATED CMU NOT IN LOCATIONS WHERE FLOOR IS 2-HOUR RATED CMU IS INDICATED. PREP AND INSTALL CMU OF LIGHTWEIGHT CLASSIFICATION USING AGGREGATE OF EXPANDED CLAY. EXPANDED SHALE OR EXPANDED SLATE WITH A MINIMUM THICKNESS OF 3.6" IN COMPLIANCE WITH ANSI A119.1, 1.47, 1.75, 1.82, 1.87 AND 1.88-2011 TAB. E 7.2.1, 1.22, 1.23, 1.24, 1.25, 1.26, 1.27, 1.28, 1.29, 1.30, 1.31, 1.32, 1.33, 1.34, 1.35, 1.36, 1.37, 1.38, 1.39, 1.40, 1.41, 1.42, 1.43, 1.44, 1.45, 1.46, 1.47, 1.48, 1.49, 1.50, 1.51, 1.52, 1.53, 1.54, 1.55, 1.56, 1.57, 1.58, 1.59, 1.60, 1.61, 1.62, 1.63, 1.64, 1.65, 1.66, 1.67, 1.68, 1.69, 1.70, 1.71, 1.72, 1.73, 1.74, 1.75, 1.76, 1.77, 1.78, 1.79, 1.80, 1.81, 1.82, 1.83, 1.84, 1.85, 1.86, 1.87, 1.88, 1.89, 1.90, 1.91, 1.92, 1.93, 1.94, 1.95, 1.96, 1.97, 1.98, 1.99, 2.00, 2.01, 2.02, 2.03, 2.04, 2.05, 2.06, 2.07, 2.08, 2.09, 2.10, 2.11, 2.12, 2.13, 2.14, 2.15, 2.16, 2.17, 2.18, 2.19, 2.20, 2.21, 2.22, 2.23, 2.24, 2.25, 2.26, 2.27, 2.28, 2.29, 2.30, 2.31, 2.32, 2.33, 2.34, 2.35, 2.36, 2.37, 2.38, 2.39, 2.40, 2.41, 2.42, 2.43, 2.44, 2.45, 2.46, 2.47, 2.48, 2.49, 2.50, 2.51, 2.52, 2.53, 2.54, 2.55, 2.56, 2.57, 2.58, 2.59, 2.60, 2.61, 2.62, 2.63, 2.64, 2.65, 2.66, 2.67, 2.68, 2.69, 2.70, 2.71, 2.72, 2.73, 2.74, 2.75, 2.76, 2.77, 2.78, 2.79, 2.80, 2.81, 2.82, 2.83, 2.84, 2.85, 2.86, 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"CMU-A" PARTITION TYPE SCHEDULE									
TYPE MARK	CMU SIZE (NOMINAL)	FIRE RATING	TEST NUMBER	STC RATING	WIDTH	COMMENTS	TYPE MARK	CMU SIZE (NOMINAL)	FIRE RATING
BA	8"	2 HR	-	9 1/8"	24 HR FIRE BARRIER WALL U.L. DESIGN U095		4.2	8"	2 HR
6	8"	1 HR	-	3 5/8"	SEE WORK NOTE C8		6	8"	1 HR
8	8"	1 HR	-	7 5/8"	1-1R FIRE PARTITION WALL U.L. DESIGN U095		12	12"	1 HR

CMU PARTITION TYPE SCHEDULE									
TYPE MARK	CMU SIZE (NOMINAL)	FIRE RATING	TEST NUMBER	STC RATING	WIDTH	COMMENTS	TYPE MARK	CMU SIZE (NOMINAL)	FIRE RATING
4.2	8"	2 HR	-	3 5/8"	SEE WORK NOTE C8		6	8"	1 HR
6	8"	1 HR	-	7 5/8"	1-1R FIRE PARTITION WALL U.L. DESIGN U095		12	12"	1 HR

METAL STUD PARTITION TYPE 'B' SCHEDULE									
TYPE MARK	STUD SIZE	FIRE RATING	TEST NUMBER	STC RATING	WIDTH	COMMENTS	TYPE MARK	STUD SIZE	FIRE RATING
BA1	6"	1 HR	-	7 1/4"	1-1R FIRE PARTITION WALL U.L. DESIGN U095		4.2	6"	2 HR
6	6"	1 HR	-	7 1/4"	1-1R FIRE PARTITION WALL U.L. DESIGN U095		6	6"	1 HR

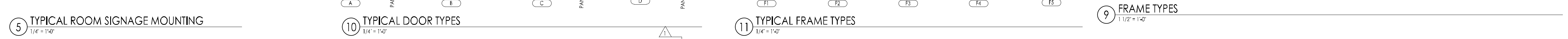
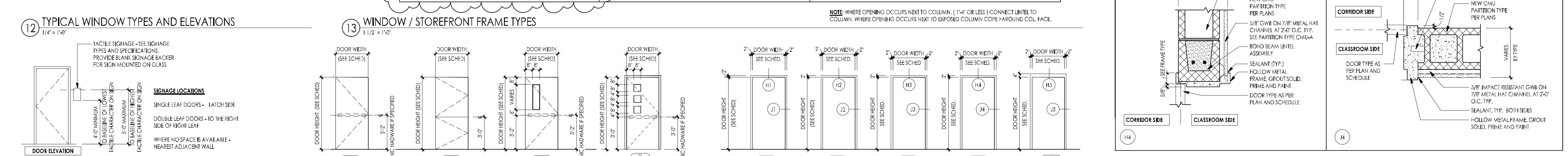
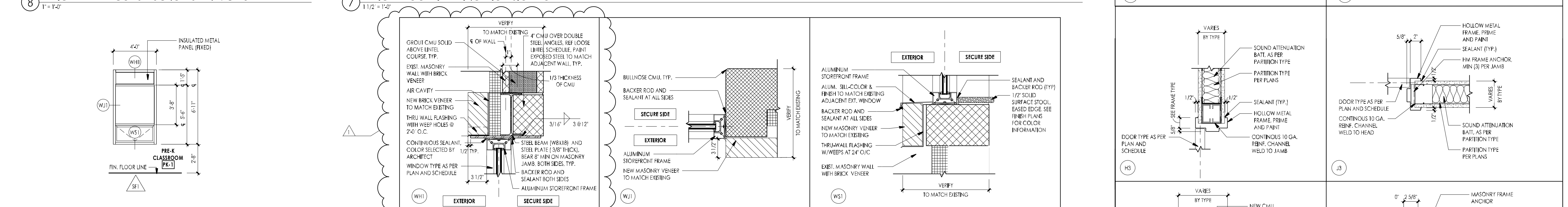
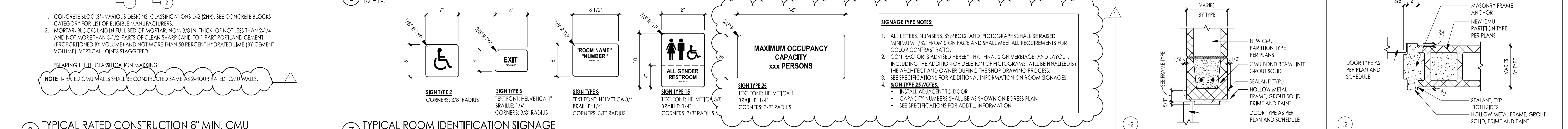
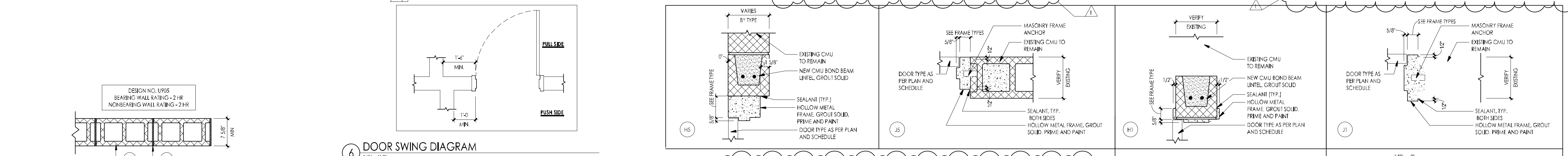
METAL STUD PARTITION TYPE 'C' SCHEDULE									
TYPE MARK	STUD SIZE	FIRE RATING	TEST NUMBER	STC RATING	WIDTH	COMMENTS	TYPE MARK	STUD SIZE	FIRE RATING
CA	6"	1 HR	-	6 5/8"	TERMINATE 24" ABOVE CEILING, MIN.		7	7/8"	1 HR

METAL HAT PARTITION TYPE 'F' SCHEDULE									
TYPE MARK	STUD SIZE	FIRE RATING	TEST NUMBER	STC RATING	WIDTH	COMMENTS	TYPE MARK	STUD SIZE	FIRE RATING
FA	6"	1 HR	-	7 1/4"	TERMINATE 24" ABOVE CEILING, MIN.		7	7/8"	1 HR

METAL STUD PARTITION TYPE 'D' SCHEDULE									
TYPE MARK	STUD SIZE	FIRE RATING	TEST NUMBER	STC RATING	WIDTH	COMMENTS	TYPE MARK	STUD SIZE	FIRE RATING
DA	6"	1 HR	-	7 1/4"	TERMINATE 24" ABOVE CEILING, MIN.		7	7/8"	1 HR



DOOR AND FRAME NOTES

1. ALL DOORS ARE 1-3/4" UNLESS NOTED OTHERWISE.

2. CONTRACTOR TO COORDINATE NEW HARDWARE WITH EXISTING HM DOOR FRAME TO REMAIN.

3. CONTRACTOR IS TO FIELD VERIFY AND QUANTITIES OF ALL DOORS AND OPENINGS PRIOR TO PLACING ORDER.

4. PROVIDE NICK PLATE AT BOTH SIDES OF THE DOOR AS INDICATED ON DOOR TYPES EXCEPT AT EXTERIOR SIDE OF DOOR U.N.O.

5. PAINT ALL EXPOSED STEEL (COLOR AS SELECTED BY ARCHITECT).

6. PROVIDE COMPATIBLE FLASHING MATERIALS BETWEEN DISMILAR MATERIALS SUCH AS STEEL TO ALUMINUM.

7. SHIM ASSEMBLIES AS REQUIRED FOR PLUMB AND LEVEL. PROVIDE SEALANT AND BACKER RODS AT ALL JOINTS BETWEEN WINDOW SYSTEMS, DOOR FRAMES AND OTHER SURROUNDINGS CONSTRUCTION.

8. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PULL SIDE SHALL BE 1-1/4" MINIMUM. SEE DETAIL 6A103.

9. THE MINIMUM LATCH SIDE CLEARANCE BETWEEN THE EDGE OF DOOR AND ADJACENT WALL OR OBSTRUCTIONS ON PUSH SIDE SHALL BE 1-1/4" MINIMUM. SEE DETAIL 6A103.

10. DO NOT APPLY WALL BASE TO HOLLOW METAL OR ALUMINUM FRAMES UNLESS OTHERWISE NOTED.

11. THE CONTRACTOR SHALL COORDINATE FOR INSTALLATION OF POWER, CONDUIT AND/OR WIRING, ETC. AT OPENINGS SCHEDULED TO RECEIVE DEVICES SUCH AS DOOR CONTACTS, CARD READERS, ELECTRIC LOCKS AND AUTOMATIC DOOR OPENERS.

SG- SECURITY GLAZING SHALL MEET SAFETY GLAZING REQUIREMENTS AS SPECIFIED UNDER IBC SECTION 2406. TESTED IN ACCORDANCE WITH CPSC 16 PART 1022 AND SHALL BE IDENTIFIED BY MANUFACTURER'S DESIGNATION.

DOOR AND FRAME ABBREVIATIONS

HM- HOLLOW METAL

SG- SECURITY GLAZING

WD- WOOD

FRG-1 FIRE RATED SECURITY GLAZING

SWF- SECURITY WINDOW FILM

DOOR AND FRAME SCHEDULE

DR. NO.	DOOR LOCATION	WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	GLAZING	FRAME	TYPE	MATERIAL	HEAD TYPE	JAMB TYPE	SILL TYPE	TRANSITION TYPE	HARDWARE SET	DOOR RATING	SIGN TYPE	REMARKS	
DS-001	CORRIDOR	5'-0"	6'-8"	1 3/4"	C	WD	FRG-1	F2	HM	H2	J2	S2	SEE 18A104	1.0	20 MIN	8	25	15	VARIABLE DOUBLE DOOR (3'-0" AND 2'-0" WIDE PANELS)
DS-002	CORRIDOR	5'-0"	6'-8"	1 3/4"	C	WD	FRG-1	F2	HM	H2	J2	S2	SEE 18A104	1.0	20 MIN	8	25	15	VARIABLE DOUBLE DOOR (3'-0" AND 2'-0" WIDE PANELS)
MC-1	MUSIC CLASSROOM PK-1	3'-0"	6'-8"	1 3/4"	C	WD	FRG-1	F5	HM	H5	J5	S5	SEE 18A104	8.0	20 MIN	8	25	15	
PK-1	PK CLASSROOM PK-1	3'-0"	6'-8"	1 3/4"	C	WD	FRG-1	F5	HM	H5	J5	S5	SEE 18A104	8.0	20 MIN	8	25	15	
PK-1A	PK TOILET PK-1A	3'-0"	6'-8"	1 3/4"	B	WD	NONE	F2	HM	H2	J2	S2	SEE 18A104	8.0	20 MIN	8	25	15	DUTCH DOOR
PK-1B	STORAGE ROOM PK-1B	3'-0"	6'-8"	1 3/4"	A	WD	NONE	F2	HM	H2	J2	S2	SEE 18A104	8.0	20 MIN	8	25	15	
PK-2	PK CLASSROOM PK-2	3'-0"	7'-0"	1 3/4"	C	WD	FRG-1	CTR	ETR	ETR	ETR	S1	SEE 18A104	9.0	20 MIN	8	25	15	NEW DOOR IN EXISTING FRAME. VERIFY SIZE
PK-2A	TOILET ROOM PK-2A	3'-0"	6'-8"	1 3/4"	B	WD	NONE	P2	HM	H2	J2	S2	SEE 18A104	8.0	20 MIN	8	25	15	DUTCH DOOR
PK-2B	STORAGE PK-2B	3'-0"	6'-8"	1 3/4"	A	WD	NONE	P2	HM	H2	J2	S2	SEE 18A104	8.0	20 MIN	8	25	15	
PK-1	PK CLASSROOM PK-1	3'-0"	6'-8"	1 3/4"	D	WD	FRG-1	F4	HM	H5	J5	S5	SEE 18A104	8.0	20 MIN	8	25	15	
PK-1A	TOILET ROOM PK-1A	3'-0"	6'-8"	1 3/4"	B	WD	NONE	F3	HM	H3	J3	S3	SEE 18A104	8.0	20 MIN	8	25	15	DUTCH DOOR
PK-1B	STORAGE ROOM PK-1B	3'-0"	6'-8"	1 3/4"	A	WD	NONE	F1	HM	H1	J1	S1	SEE 18A104	8.0	20 MIN	8	25	15	
PK-2	PK CLASSROOM PK-2	3'-0"	6'-8"	1 3/4"	D	WD	FRG-1	F4	HM	H5	J5	S5	SEE 18A104	8.0	20 MIN	8	25	15	
PK-2A	TOILET ROOM PK-2A	3'-0"	6'-8"	1 3/4"	B	WD	NONE	F3	HM	H3	J3	S3	SEE 18A104	8.0	20 MIN	8	25	15	DUTCH DOOR
PK-3	PK CLASSROOM PK-3	3'-0"	6'-8"	1 3/4"	D	WD	FRG-1	F4	HM	H5	J5	S5	SEE 18A104	8.0	20 MIN	8	25	15	
PK-3A	PK CLASSROOM PK-3A	3'-0"	6'-8"	1 3/4"	B	WD	FRG-1	F3	HM	H3	J3	S3	SEE 18A104	8.0	20 MIN	8	25	15	DUTCH DOOR
PK-3A2	PK CLASSROOM PK-3	3'-0"	6'-8"	1 3/4"	C	WD	FRG-1	F3	HM	H3	J3	S3	SEE 18A104	8.0	20 MIN	8	25	15	
PK-3B	OFFICE PK-3B	3'-0"	6'-8"	1 3/4"	D	WD	FRG-1	F1	HM	H1	J1	S1	SEE 18A104	8.0	20 MIN	8	25	15	
TR-1A	TOILET TR-1A	3'-0"	6'-8"	1 3/4"	A	WD	NONE	F1	HM	H1	J1	S1	SEE 18A104	8.0	20 MIN	8	25	15	
TR-1B	TOILET TR-1B	3'-0"	6'-8"	1 3/4"	A	WD	NONE	F1	HM	H1	J1	S1	SEE 18A104	8.0	20 MIN	8	25	15	

NOTE: REFER TO A601 FOR SILL/FLOORING TRANSITION TYPES AND FINISH.

PRIMARY SCHOOL BLDG. KEYPLAN

N.T.S.

TRUE NORTH

PLAN NORTH

TRUE NORTH

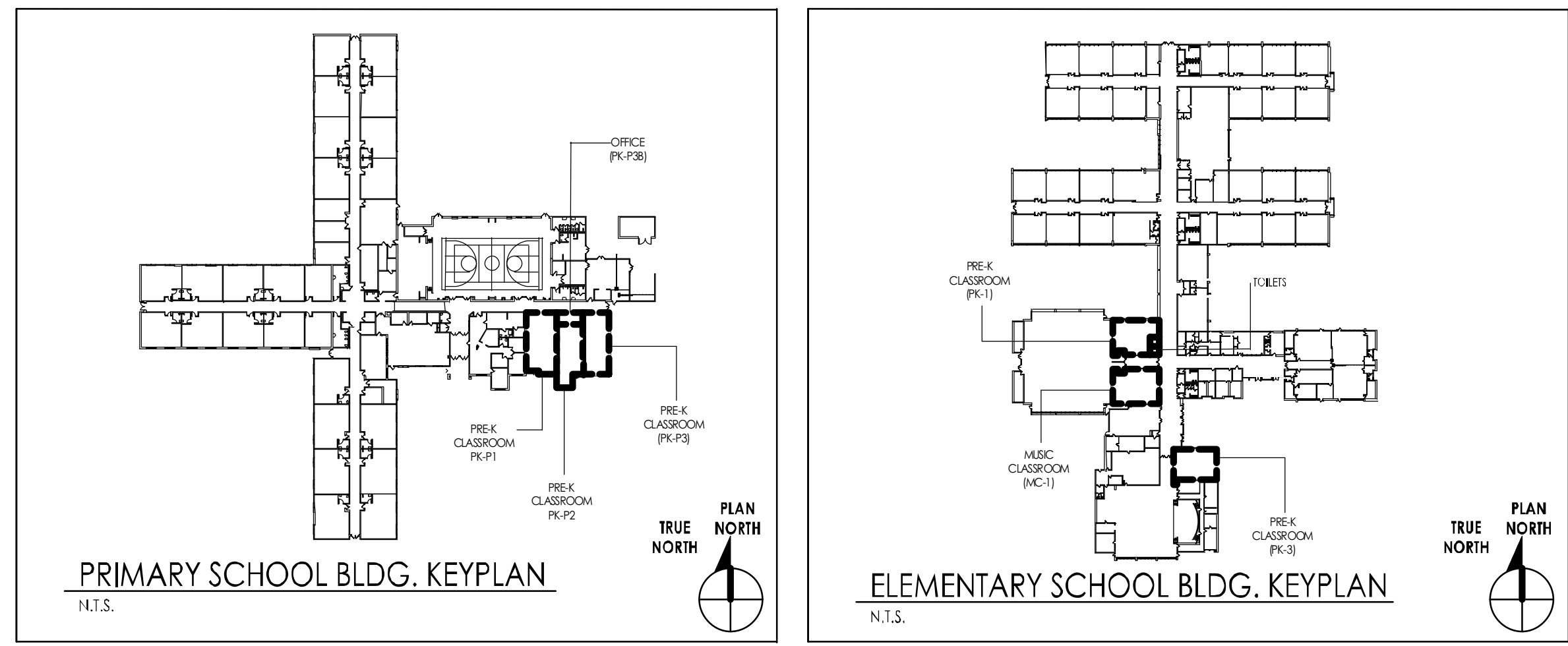
ELEMENTARY SCHOOL BLDG. KEYPLAN

N.T.S.

TRUE NORTH

PLAN NORTH

TRUE NORTH



**GFVHD** architects

Frattak Veisz Hopkins Duthe P.C.

Project Name  
**Renovations for Five (5) Pre-K Classrooms at Clayton J. Dayport Elementary School**

Project Owner Name  
**Egg Harbor Township School District**

Project Location  
**2501 Spruce Avenue Egg Harbor Township, NJ 08234**

Project Number  
**5481**

Project Date  
**11/01/2024**

Checked By  
**SWS, WDH**

Drawn By  
**IVA**

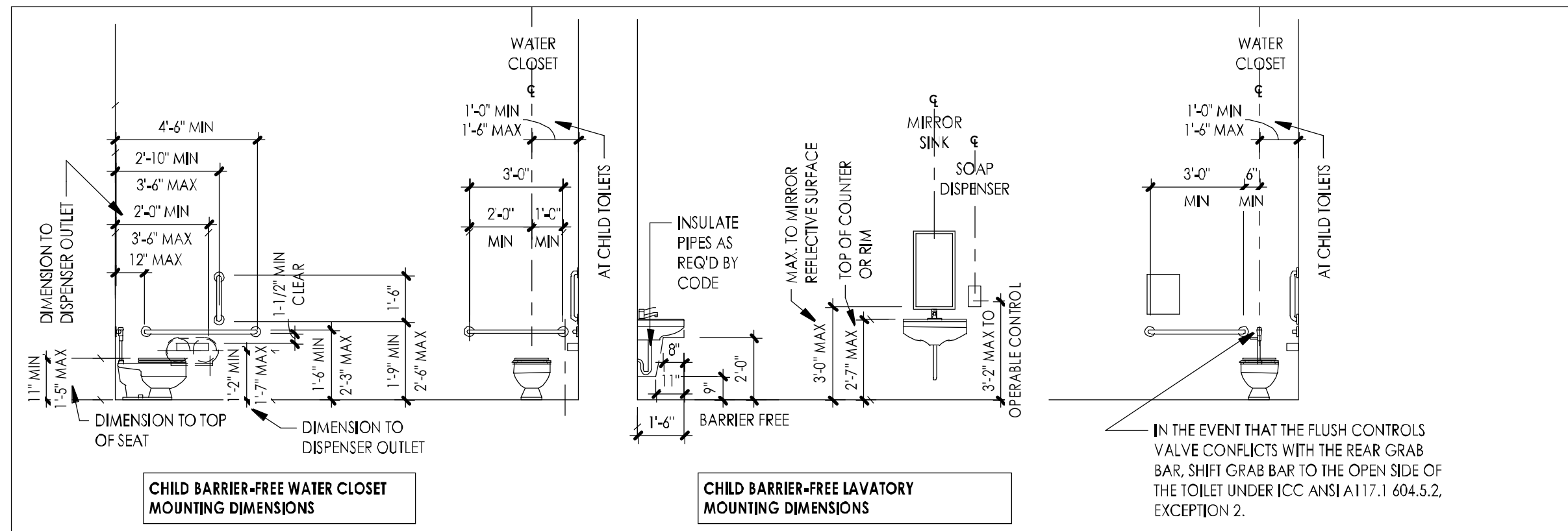
Drawing Name  
**DOOR AND PARTITION TYPES, DETAILS AND SCHEDULE**

Drawing Number  
**A103**

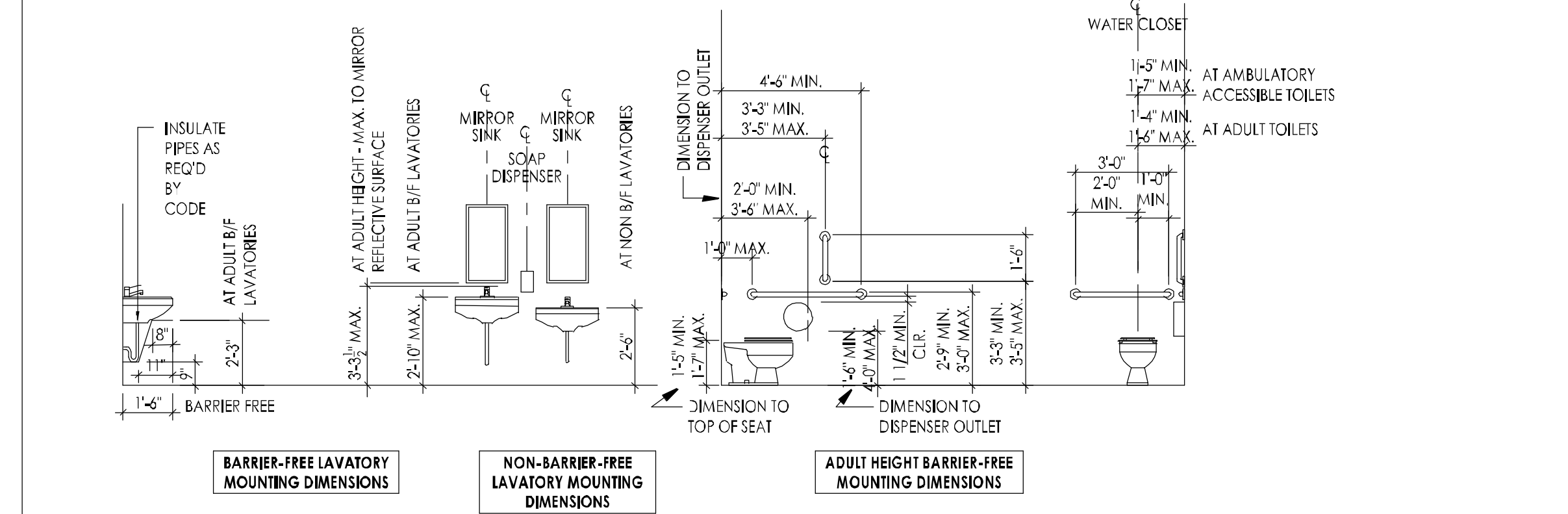
Revisions

No.	Date	Description
1	11/26/2024	Addendum 1

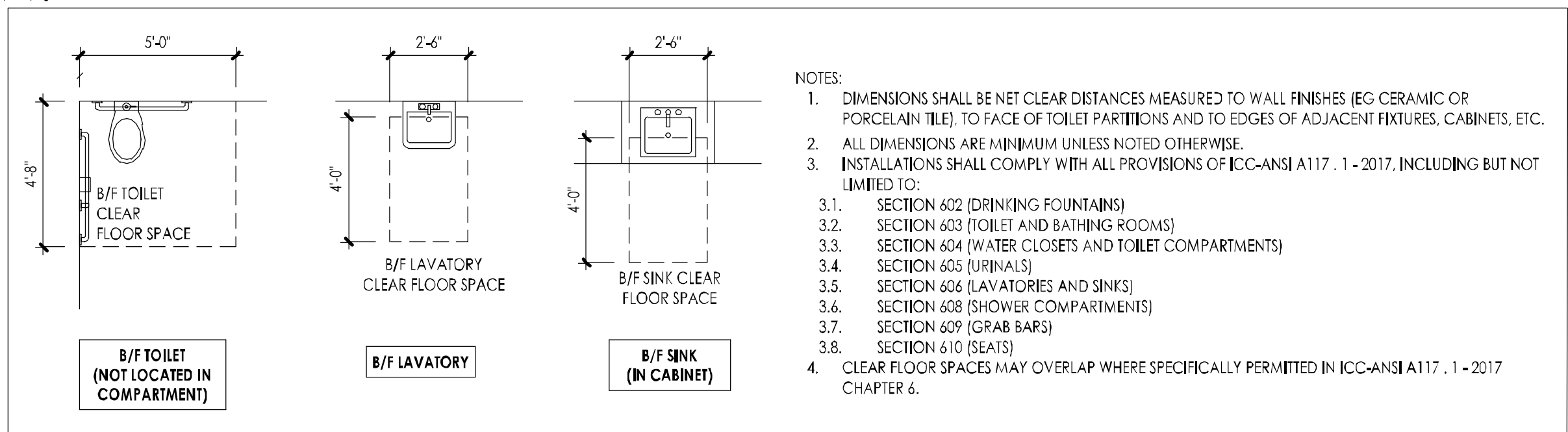




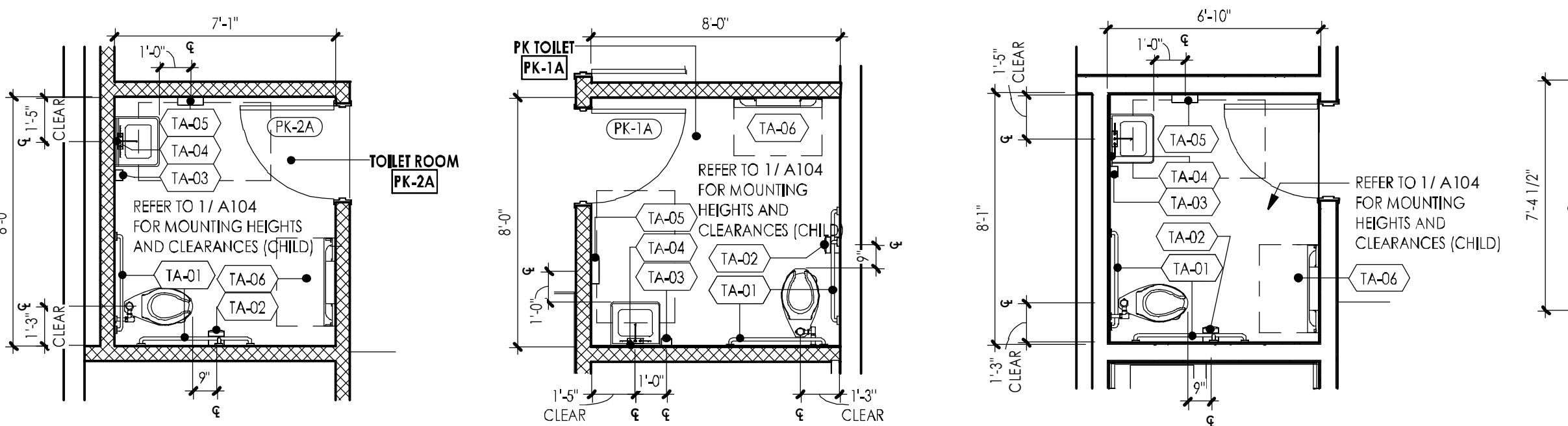
1 TYPICAL TOILET ROOM FIXTURE/ ACCESSORY MOUNTING HEIGHTS AND CLEARANCES (CHILD)



1A TYPICAL TOILET ROOM FIXTURE/ ACCESSORY MOUNTING HEIGHTS AND CLEARANCES (ADULT)

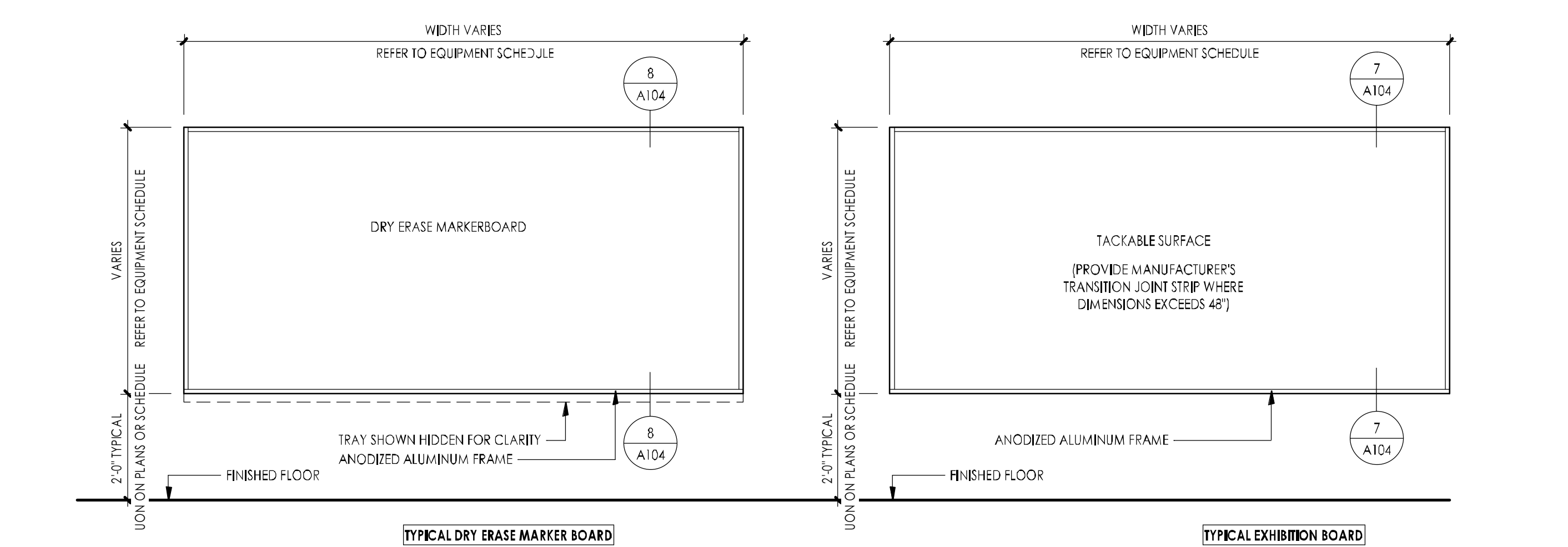


2 STANDARD PLUMBING FIXTURE AND ACCESSORY MOUNTING HEIGHTS



3 ENLARGED TOILET PLAN PK-2A 4 ENLARGED TOILET PLAN PK-1A 5 TYP. TOILET PLAN (PK-P1A, PK-P2A, PK-P3A) 6 TYP. TOILET PLAN (TR-1A, TR-1B)

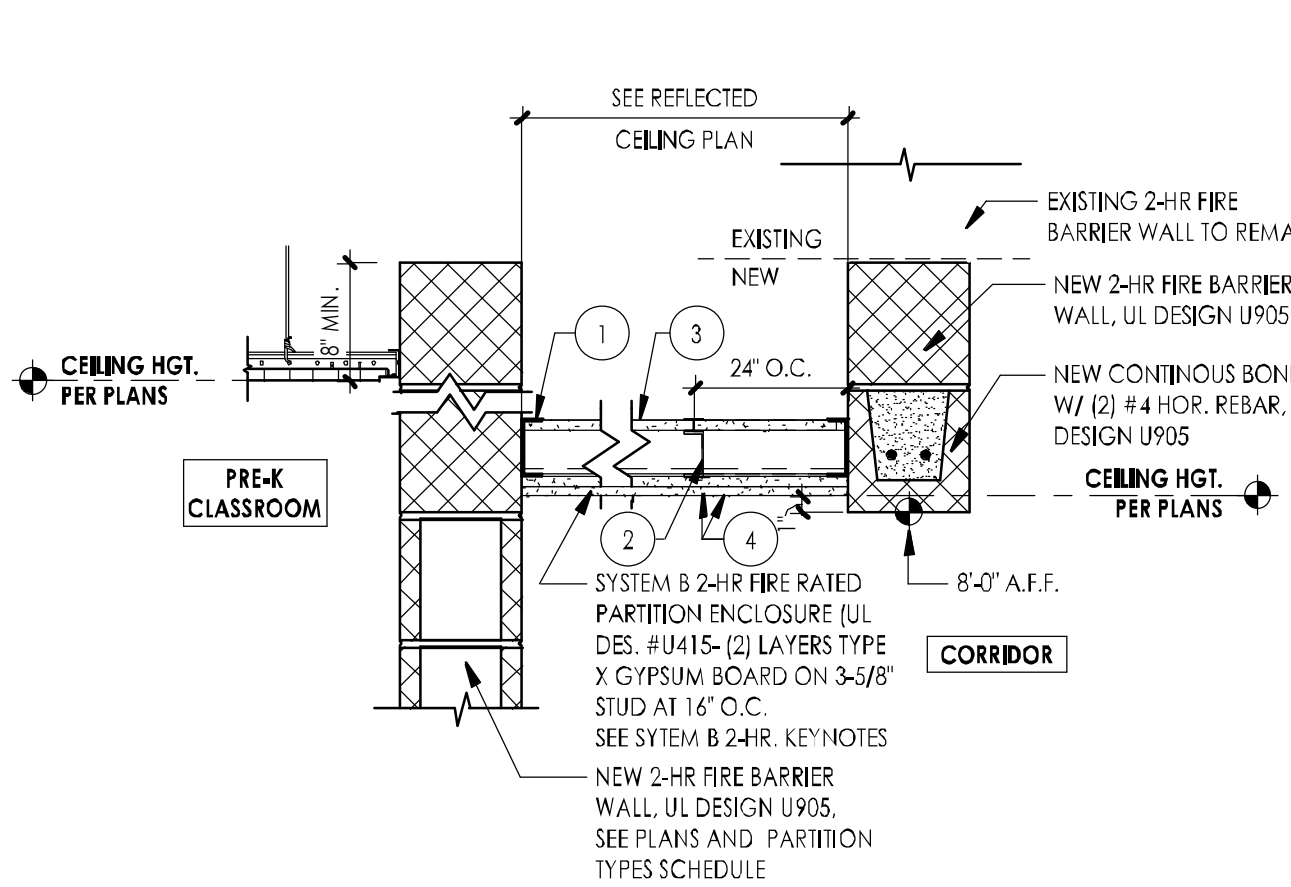
MARK	DESCRIPTION	MOUNTING TYPE	MANUF.	MODEL #	FURNISHED BY	INSTALLED BY	COMMENTS
TA-01	ADA GRAB BARS (COMBINATION)	WALL MOUNT	BRADLEY OR APPROVED EQUAL	8122401/420 (421), 301360 (361), 001180 (18)	CONTRACTOR	CONTRACTOR	MOUNTING HEIGHT VARIES
TA-02	TOILET PAPER DISPENSER	WALL MOUNT	BRADLEY OR APPROVED EQUAL	5224	OWNER	CONTRACTOR	MOUNTING HEIGHT VARIES
TA-03	SOAP DISPENSER	SURFACE	BRADLEY OR APPROVED EQUAL	6562	OWNER	CONTRACTOR	<OWNER>
TA-04	LAVATORY MIRROR	SURFACE	BRADLEY OR APPROVED EQUAL	781-R30 BRADEX	CONTRACTOR	CONTRACTOR	<OWNER>
TA-05	PAINT TOWEL DISPENSER	WALL MOUNT	BRADLEY OR APPROVED EQUAL	2504S	CONTRACTOR	CONTRACTOR	<OWNER>
TA-06	DIAPER CHANGING STATION	WALL MOUNT	KOALA KARE OR APPROVED EQUAL	TBD	CONTRACTOR	CONTRACTOR	<OWNER>



9 DRY MARKERBOARD AND EXHIBITION BOARD MOUNTING HEIGHTS

TYPE MARK	DESCRIPTION	MOUNTING TYPE	MANUFACTURER	MODEL #	RESPONSIBILITY MATRIX				COMMENTS
					FURNISHED BY	INSTALLED BY	OWNER	OWNER	
DWB-3A	DRY ERASE MARKERBOARD 120"W x 54"H	WALL MOUNT	CLARIDGE OR APPROVED EQUAL	REFER TO SPECIFICATIONS	X		X		INSTALL AT 30" AFF
DWB-4	DRY ERASE MARKERBOARD 144"W x 60"H	WALL MOUNT	CLARIDGE OR APPROVED EQUAL	REFER TO SPECIFICATIONS	X		X		INSTALL AT 24" AFF
EB-1	EXHIBITION BOARD 60"W x 60"H	WALL MOUNT	CLARIDGE OR APPROVED EQUAL	REFER TO SPECIFICATIONS	X		X		INSTALL AT 24" AFF
EB-2	EXHIBITION BOARD 72"W x 60"H	WALL MOUNT	CLARIDGE OR APPROVED EQUAL	REFER TO SPECIFICATIONS	X		X		INSTALL AT 24" AFF
EB-3	EXHIBITION BOARD 120"W x 54"H	WALL MOUNT	CLARIDGE OR APPROVED EQUAL	REFER TO SPECIFICATIONS	X		X		INSTALL AT 30" AFF
SB-1	75" SMART SCREEN	WALL MOUNT	TBD	TBD		X		X	COORDINATE INSTALL WITH OWNER

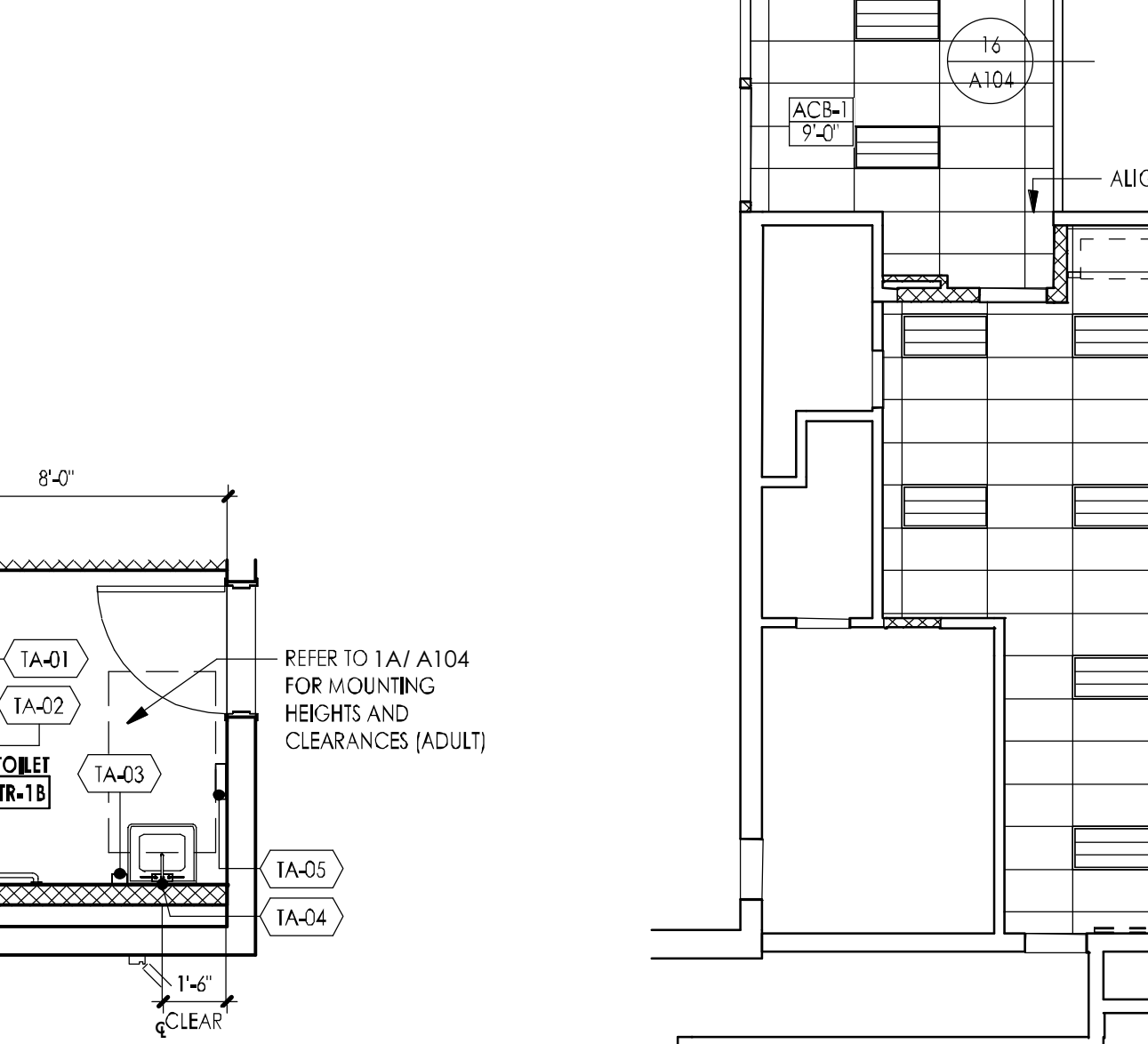
EQUIPMENT SCHEDULE



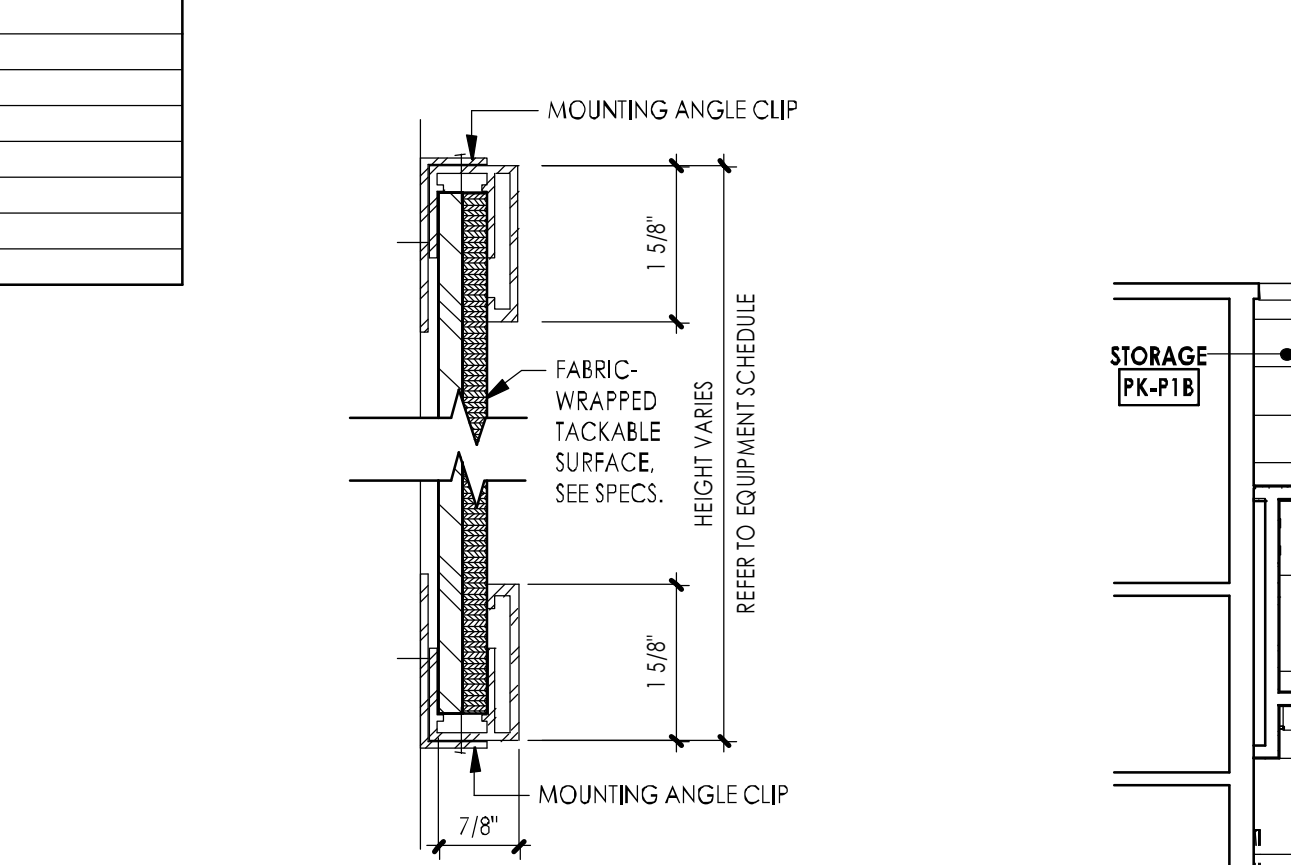
17 BULKHEAD DETAIL AT 2-HR CORRIDOR FIRE BARRIER WALL

## SYSTEM B- 2-HOUR KEYNOTES

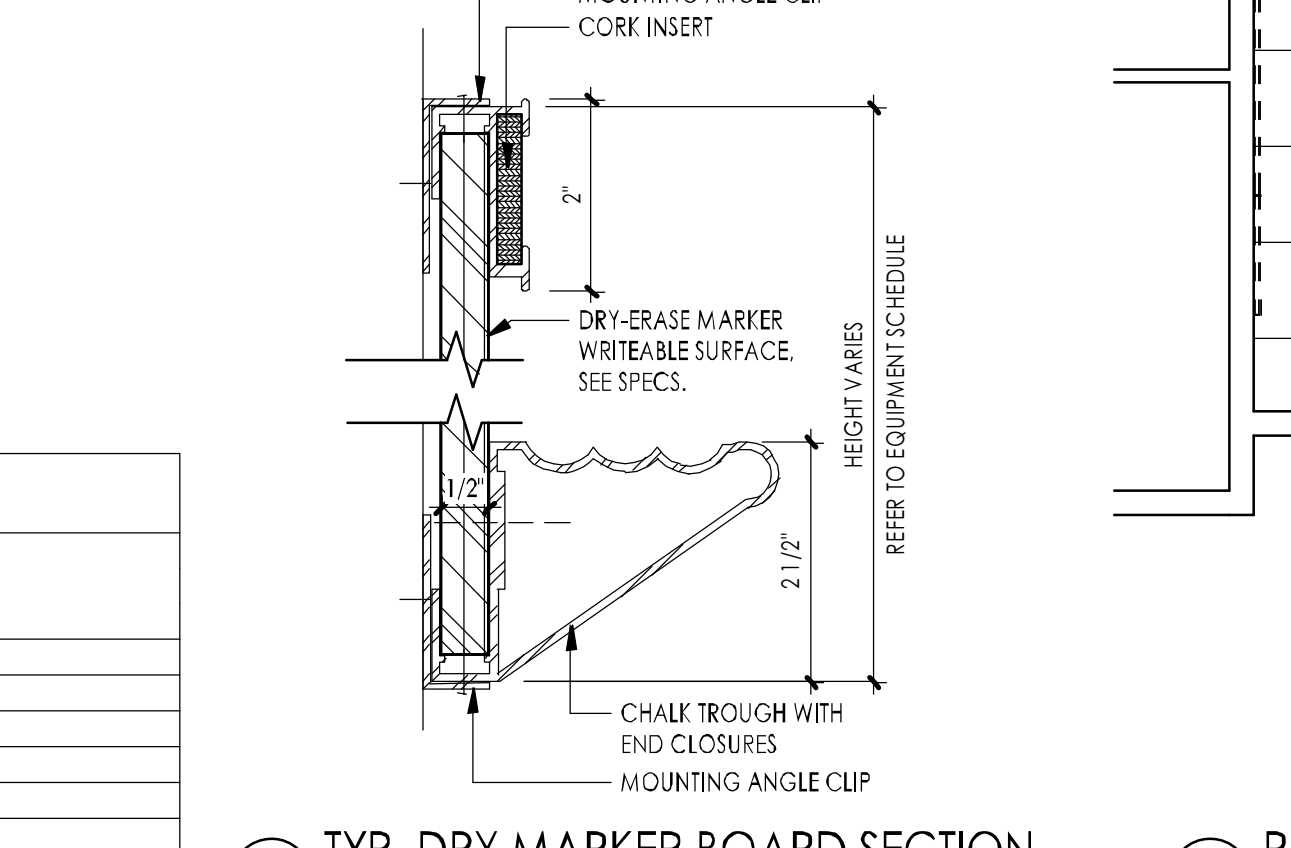
- FLOOR, SIDE AND CEILING RUNNERS** - "J"-SHAPED RUNNER, MIN 2-1/2" DEEP WITH UNEQUAL LEGS OF 1" IN. AND 2" IN. FABRICATED FROM MIN 24 ANSG GALV STEEL. RUNNERS POSITIONED WITH SHORT LEG TOWARD FINISHED SIDE OF WALL. RUNNERS ATTACHED TO STRUCTURAL SUPPORTS WITH STEEL FASTENERS LOCATED NOT GREATER THAN 2" IN. FROM ENDS AND NOT GREATER THAN 24" IN.
- STEEL STUDS** - "C" IF - SHAPED STUDS, MIN 2-1/2" IN. DEEP FABRICATED FROM MIN 25 MSG GALV STEEL.
- GYPSUM BOARD** - GYPSUM LINER PANELS, MIN 1" IN. THICK, 24" IN. OR 600 MM. FOR METRIC SPACING WIDE. VERTICAL EDGES INSERTED IN "I" PORTION OF "C" STUDS. FREE EDGE OF END PANELS ATTACHED TO LONG LEG OF VERTICAL "J" - RUNNERS WITH 1-5/8" IN. LONG TYPE S STEEL SCREWS SPACED NOT GREATER THAN 12" IN. O.C.
- GYPSUM BOARD** - SYSTEM B- 2 HR. - GYPSUM PANELS, WITH REVELED SQUARE OR TAPERED EDGES NOM 1/2" IN. OR 5/8" IN. THICK, 48" IN. OR 1200 MM WIDE APPLIED VERTICALLY OR HORIZONTALLY IN TWO LAYERS. INNER OR BASE LAYER ATTACHED TO STUDS WITH 1" IN. LONG TYPE S STEEL SCREWS SPACED 24" IN. O.C. WHEN INSTALLED VERTICALLY OR 16" IN. O.C. WHEN INSTALLED HORIZONTALLY. OUTER OR FACE LAYER ATTACHED TO STUDS WITH 1-5/8" IN. LONG TYPE S STEEL SCREWS SPACED 12" IN. O.C. WHEN INSTALLED VERTICALLY AND STAGGERED 12" IN. FROM BASE LAYER SCREWS OR 8" IN. O.C. WHEN INSTALLED HORIZONTALLY AND STAGGERED 8" IN. FROM BASE LAYER SCREWS. HORIZONTAL JOINTS BETWEEN INNER AND OUTER LAYERS STAGGERED A MIN OF 12" IN. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED 24" IN.



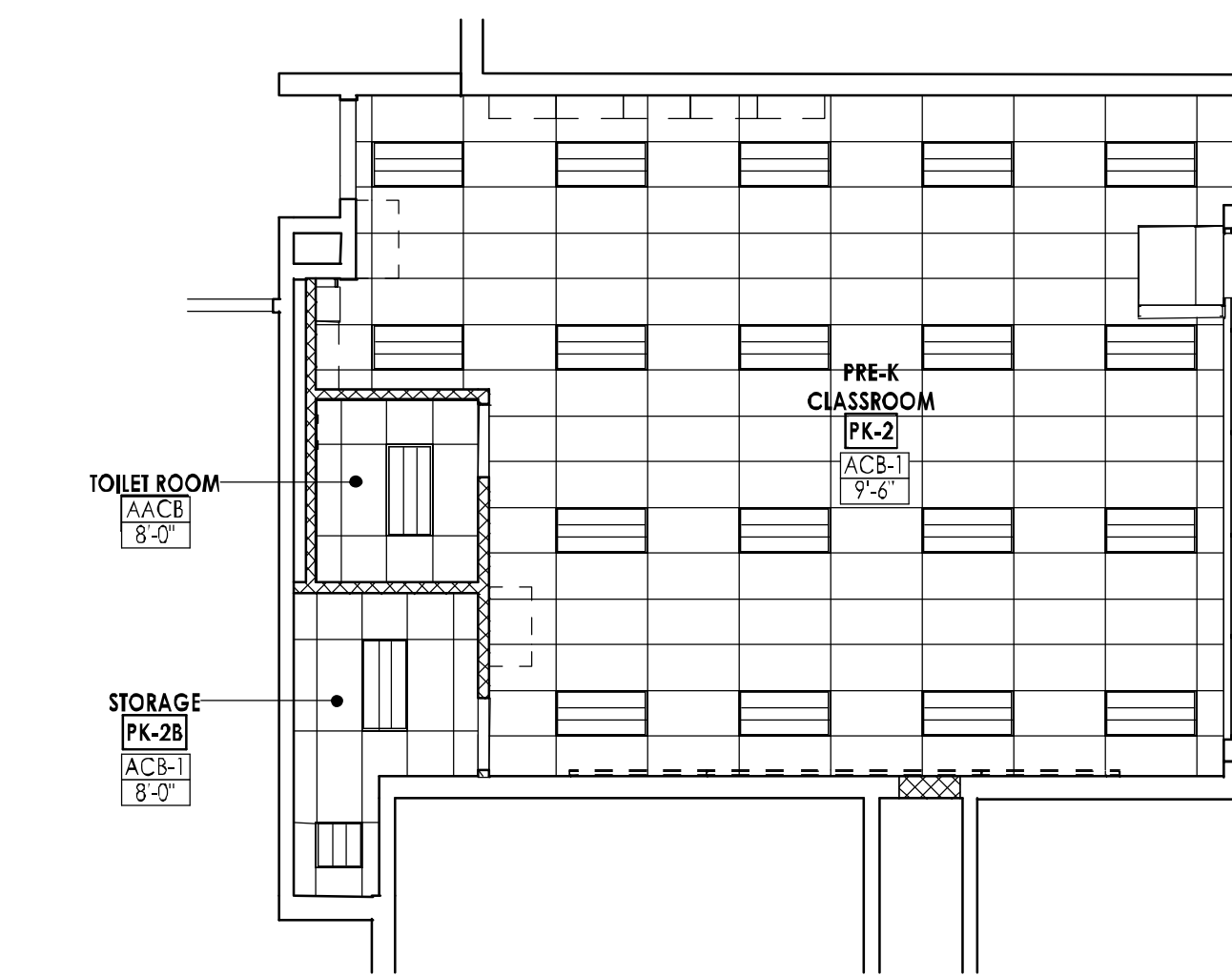
10 REFLECTED CEILING PLAN (PRE-K CLASSROOM PK-1, MUSIC CLASSROOM MC-1)



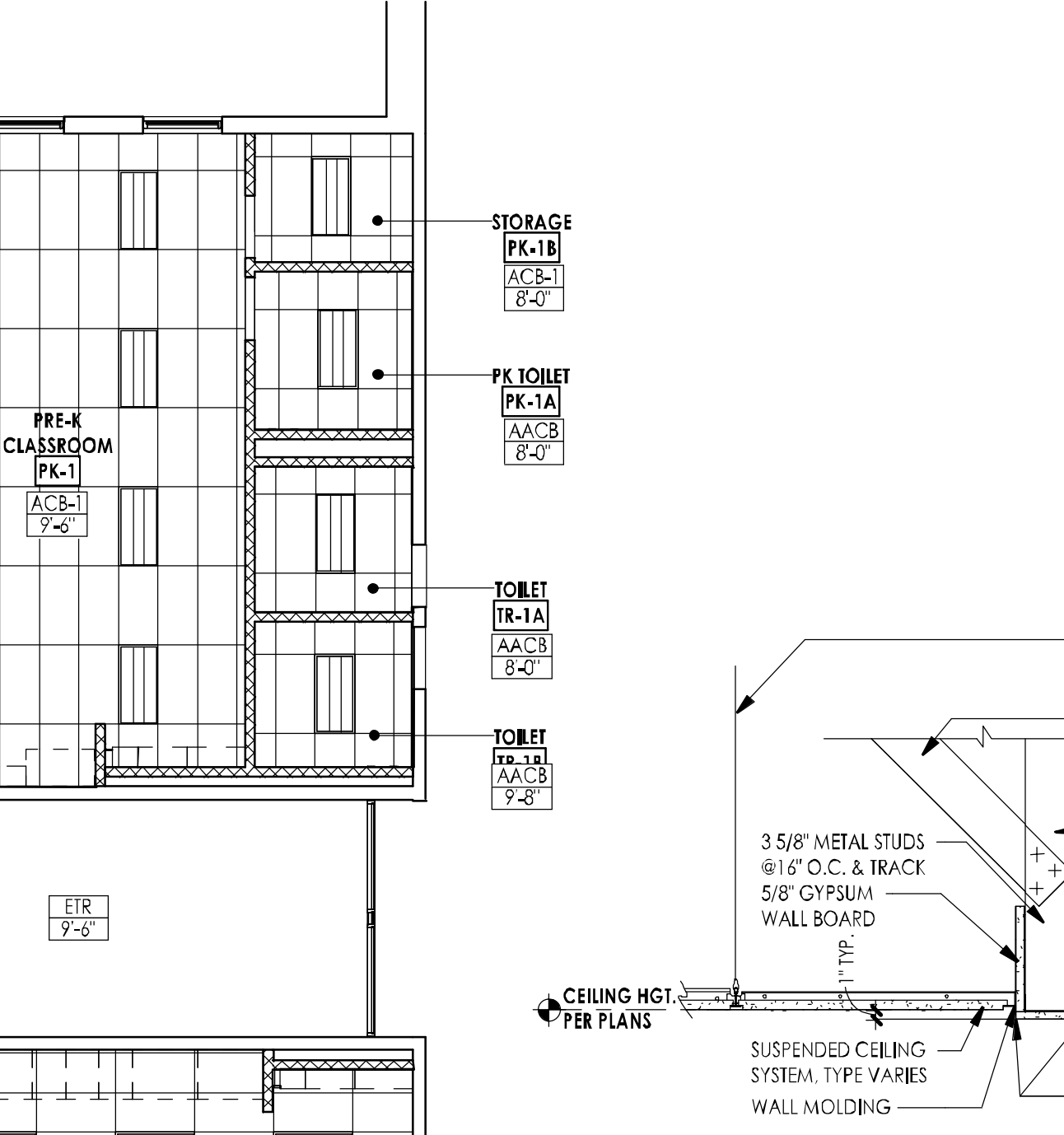
7 TYP. EXHIBITION BOARD SECTION



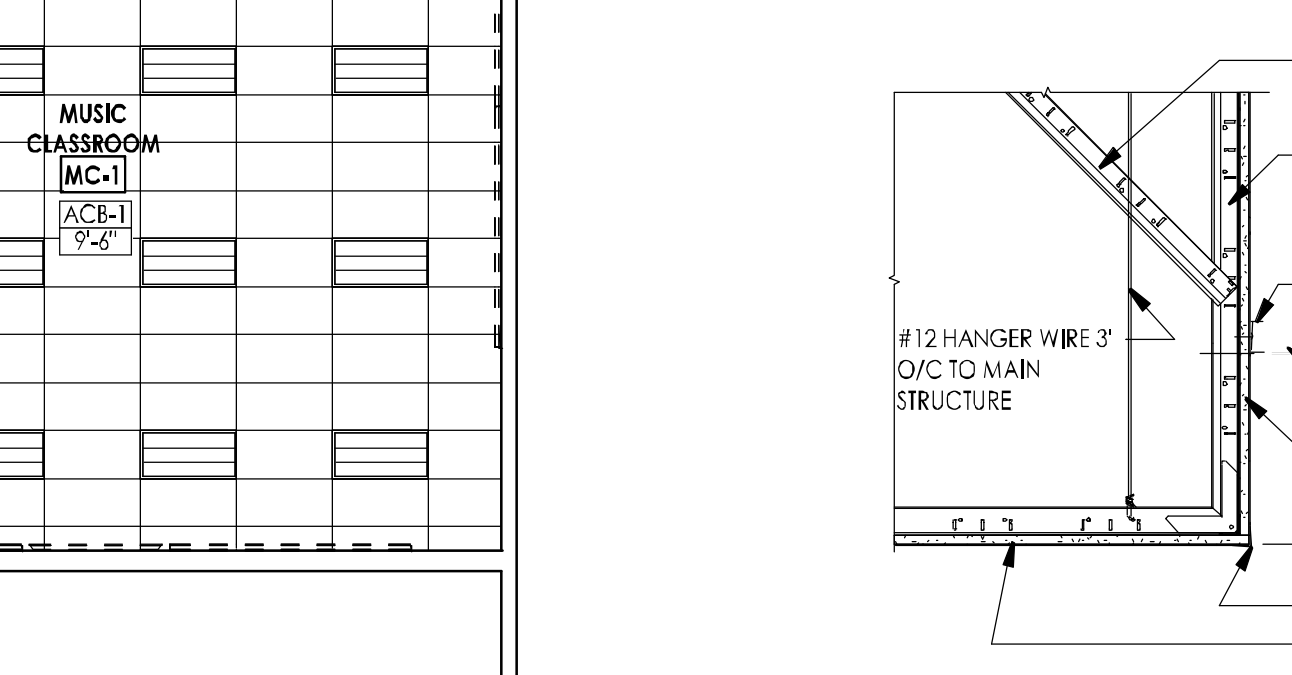
8 TYP. DRY MARKER BOARD SECTION



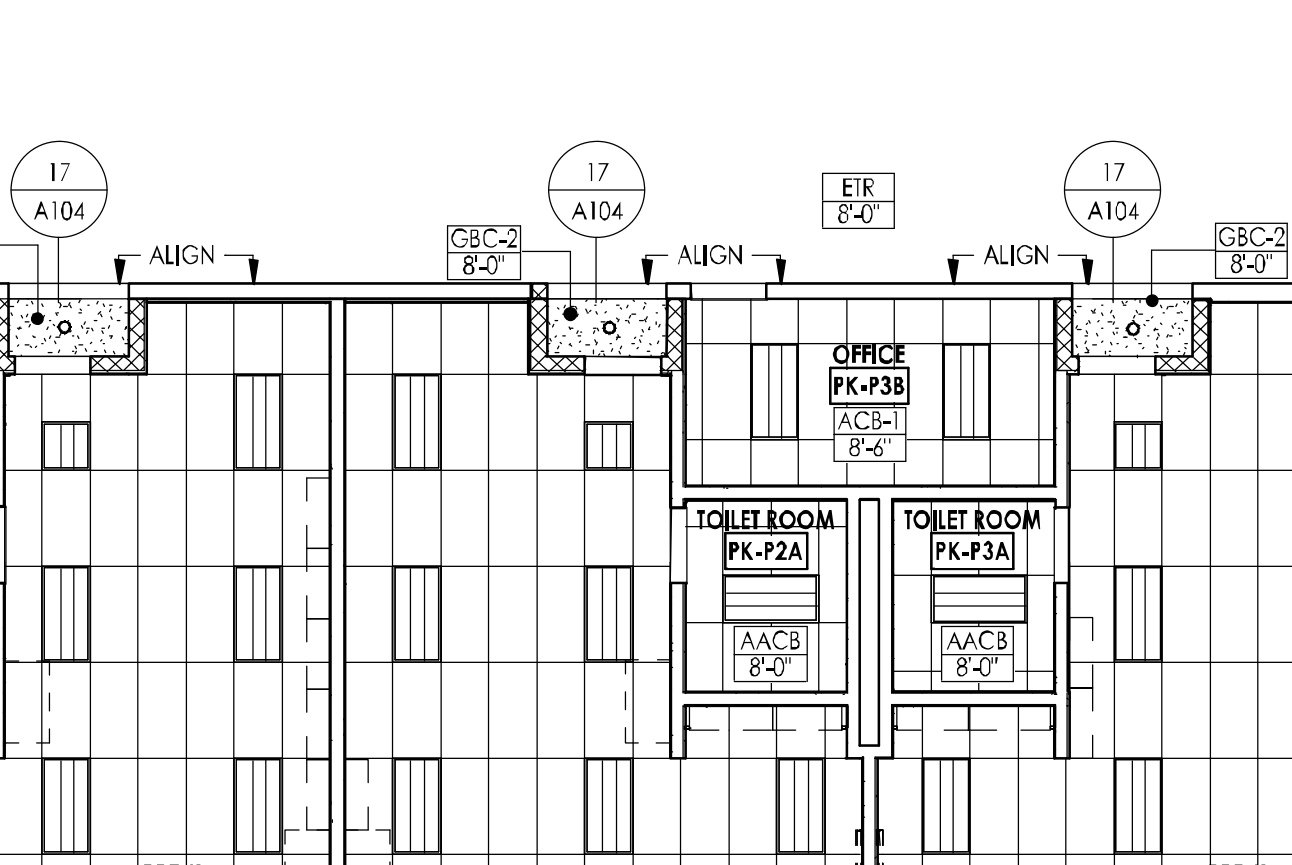
11 REFLECTED CEILING PLAN (PRE-K CLASSROOM PK-3)



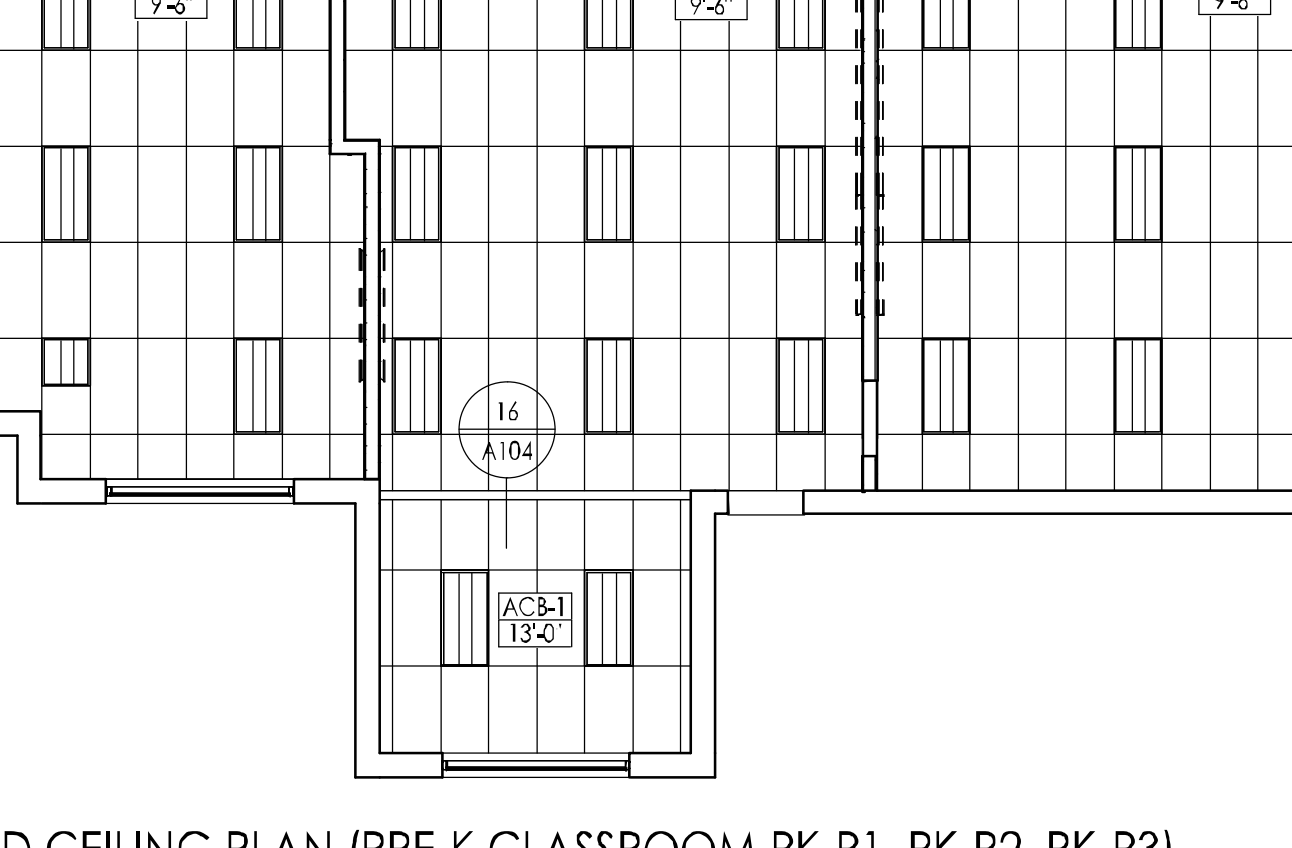
16 CEILING DETAIL AT BULKHEAD



13 TYP. EDGE DETAIL AT ACOUSTIC CEILING



15 FRAMED SOFFIT DETAIL A



12 REFLECTED CEILING PLAN (PRE-K CLASSROOM PK-P1, PK-P2, PK-P3)

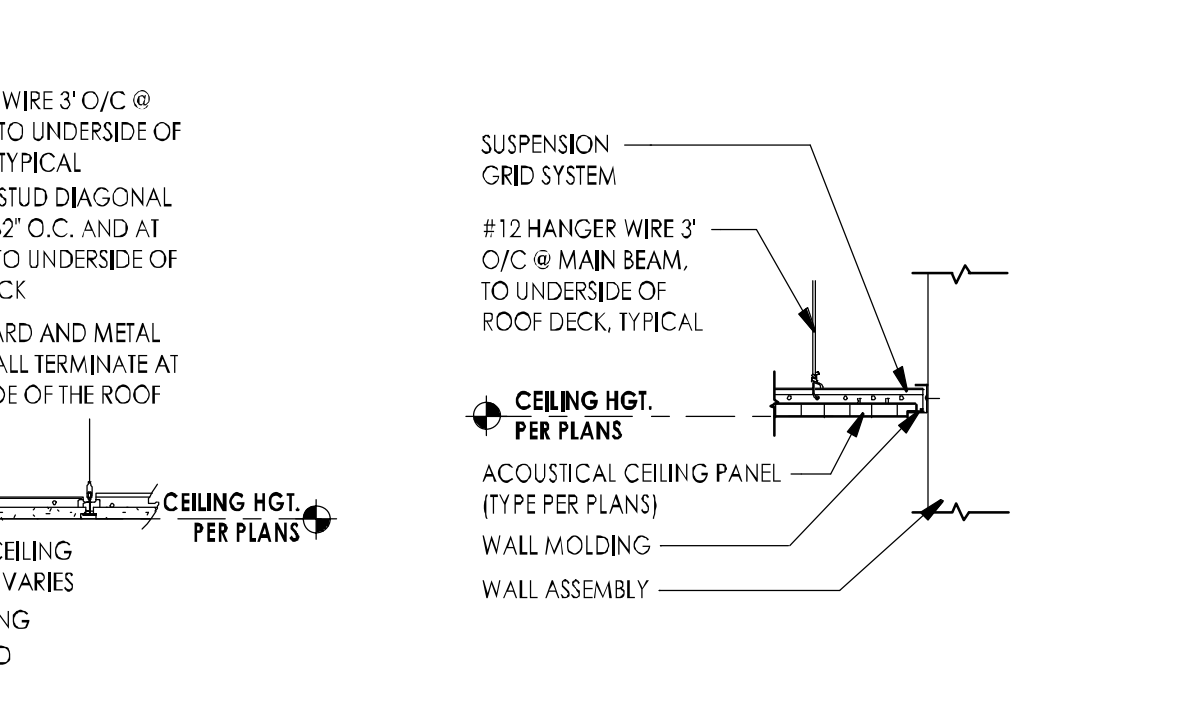
CEILING TYPE SCHEDULE	
TYPE MARK	DESCRIPTION
AACB	ACOUSTIC CEILING PANEL CEILING 24"x48" DAMP LOCATION
ACB-1	ACOUSTIC CEILING PANEL CEILING 24"x48"
EB	EXISTING CEILING TO REMAIN TYPE VARIES
GRC-2	GYPSUM BOARD CEILING-2HR ASSEMBLY, SEE DETAIL 17/A104

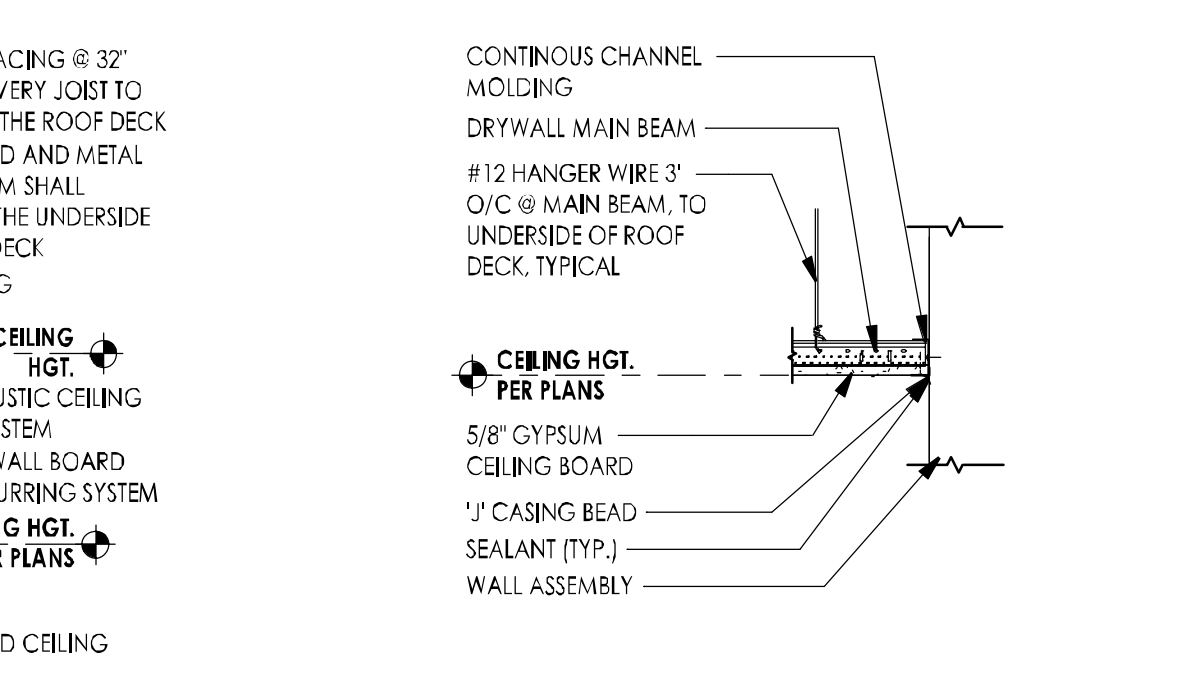
CEILING LEGEND	
SPOT ELEVATION (IN RELATIVE TO FINISHED FLOOR) UNLESS NOTED OTHERWISE	
CEILING TYPE	
HEIGHT ABOVE FINISHED FLOOR	
24"x24" ACOUSTIC CEILING PANEL SYSTEM	
24"x48" ACOUSTIC CEILING PANEL SYSTEM	
GYPSUM BOARD CEILING	
24"x48" LAY IN LIGHT FIXTURE	
24"x24" LAY IN LIGHT FIXTURE	

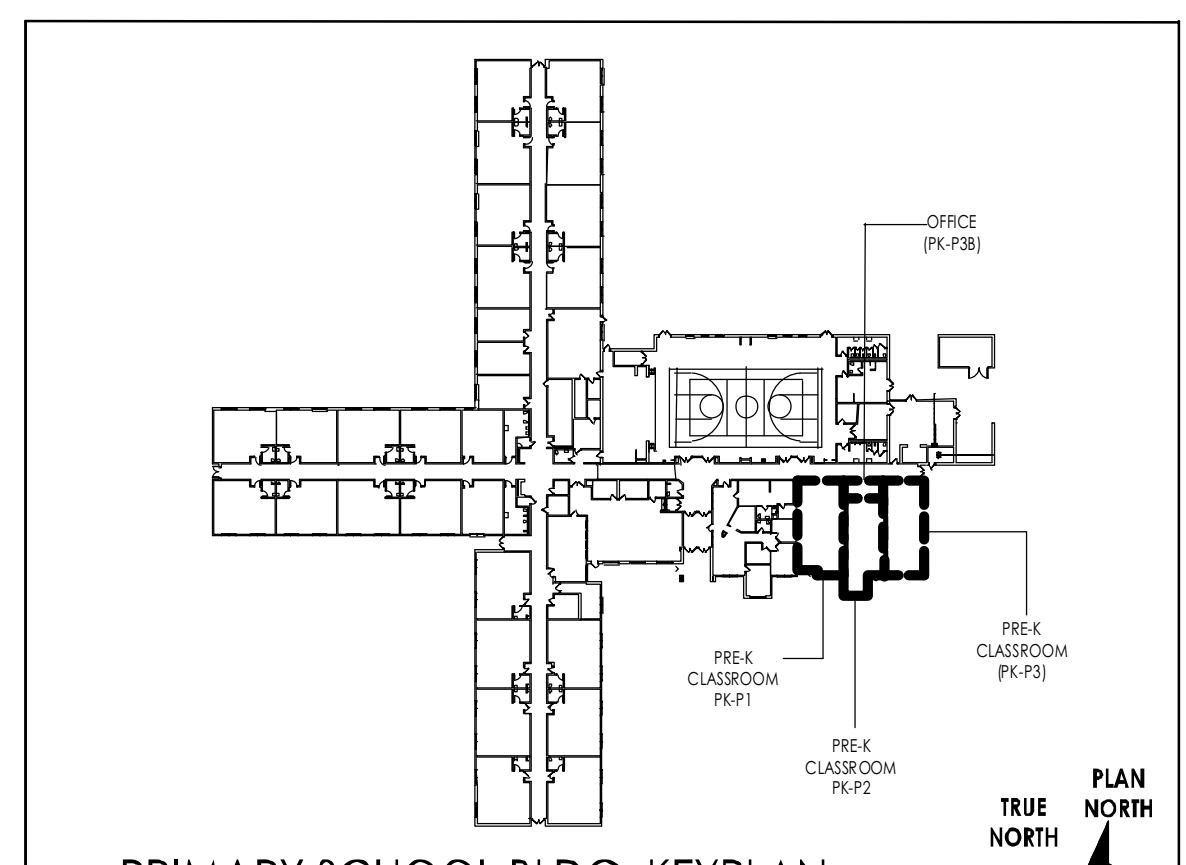
NOTES:	
1. INCLUSION OF SYMBOL IN LEGEND DOES NOT IMPLY SCOPE OF WORK. REFER TO PLANS.	
2. CONTRACTORS SHALL COORDINATE WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF FIXTURES AND OTHER CEILING DEVICES.	
3. REFER TO M/E/P DRAWINGS FOR SIZES, TYPES, QUANTITIES AND INSTALLATION REQUIREMENTS OF FIXTURES AND CEILING DEVICES.	
4. WHERE CEILING HEIGHTS ARE BELOW WINDOW HEADS THE CONTRACTOR SHALL PROVIDE FASCIA MOLDING OR TRIM TO MATCH SIZE AND COLOR OF CEILING TRIM.	
5. COORDINATE ALL AUDIO AND VISUAL DEVICES WITH A/V DRAWINGS. A/V EQUIPMENT SHOWN HERE INCLUDING PROJECTORS AND PROJECTION SCREENS ARE DIAGRAMMATIC AND ARE SHOWN HERE TO DETECT ADVANCEMENTS WITH OTHER LIGHTING AND CEILING DEVICES.	



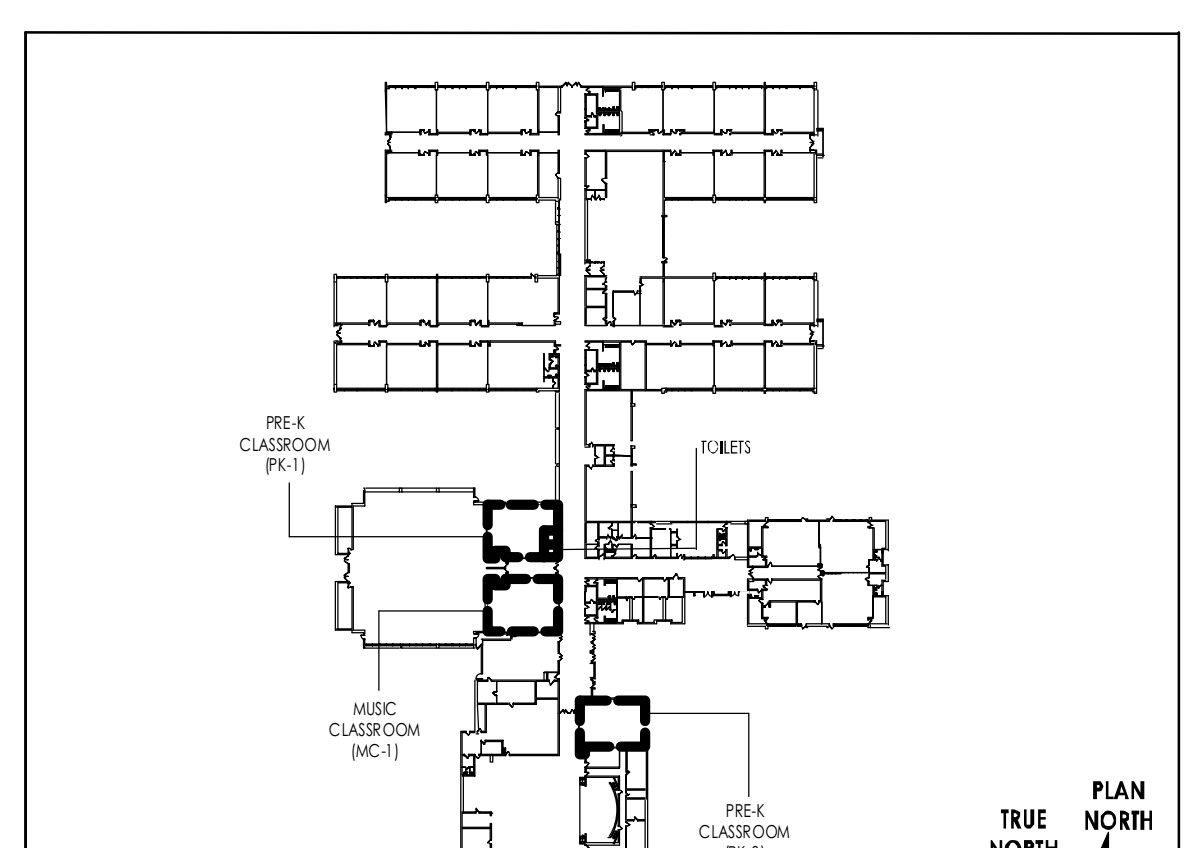
16 CEILING DETAIL AT BULKHEAD



13 TYP. EDGE DETAIL AT GYP BOARD CEILING



PRIMARY SCHOOL BLDG. KEYPLAN



ELEMENTARY SCHOOL BLDG. KEYPLAN

WILLIAM D. HOPKINS III, AIA, LEED AP  
N.J. REG. 100000, 1 P.A. 00020209  
GEORGE R. DUTHE JR., AIA, PP  
N.J. REG. 100000, 1 P.A. 00020209  
JASON DUBOWITZ, AIA  
N.J. REG. 100000, 1 P.A. 00020209  
11/01/2024  
Date  
Architect

**GFVHD**  
architects  
planners  
Frattak Veisz Hopkins Duthe P.C.

Project Name  
Renovations for Five (5) Pre-K Classrooms at Clayton J. Dayport Elementary School

Project Owner Name  
Egg Harbor Township School District

Project Location  
2501 Spruce Avenue  
Egg Harbor Township, NJ 08234

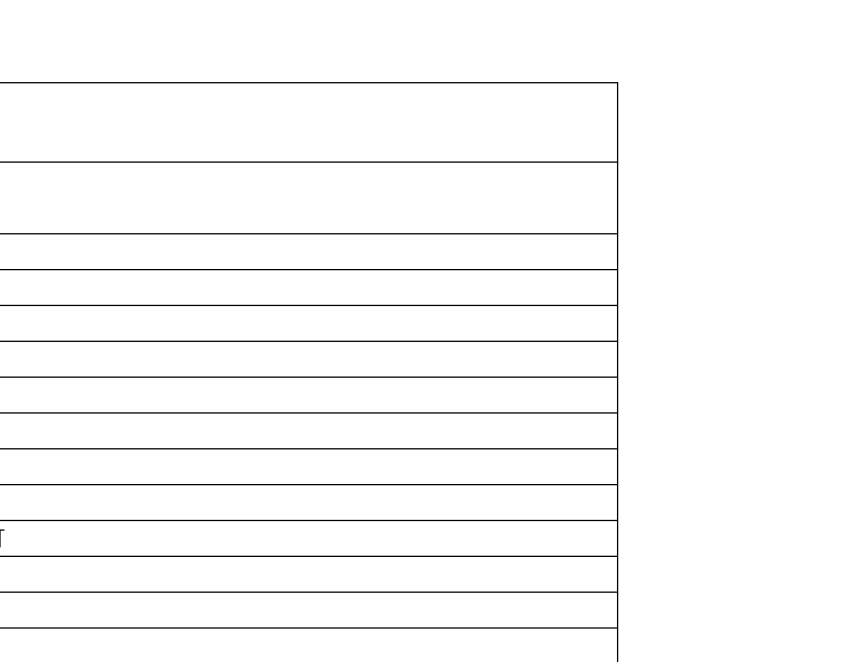
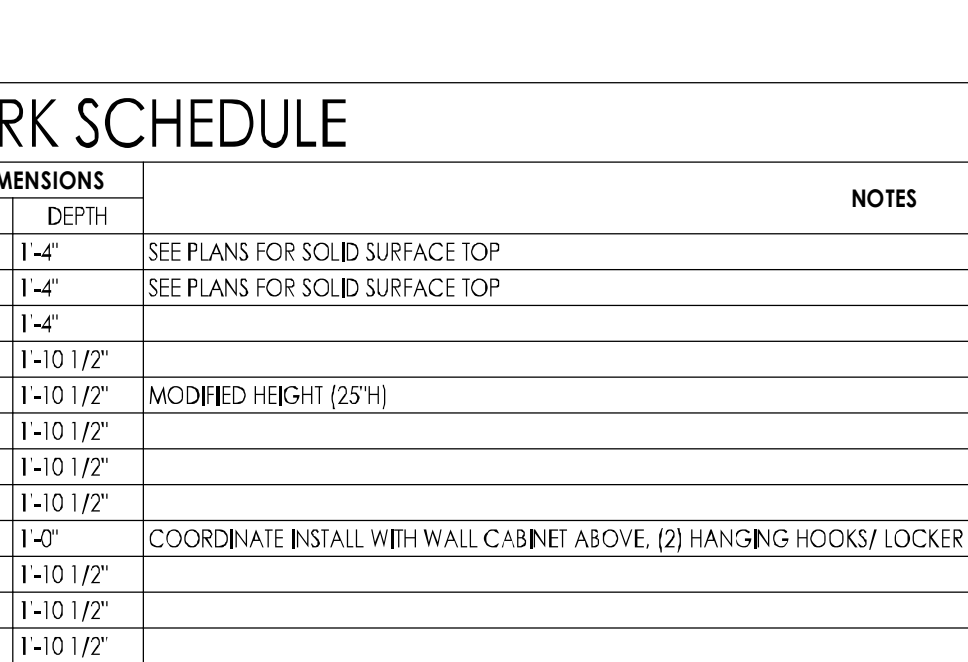
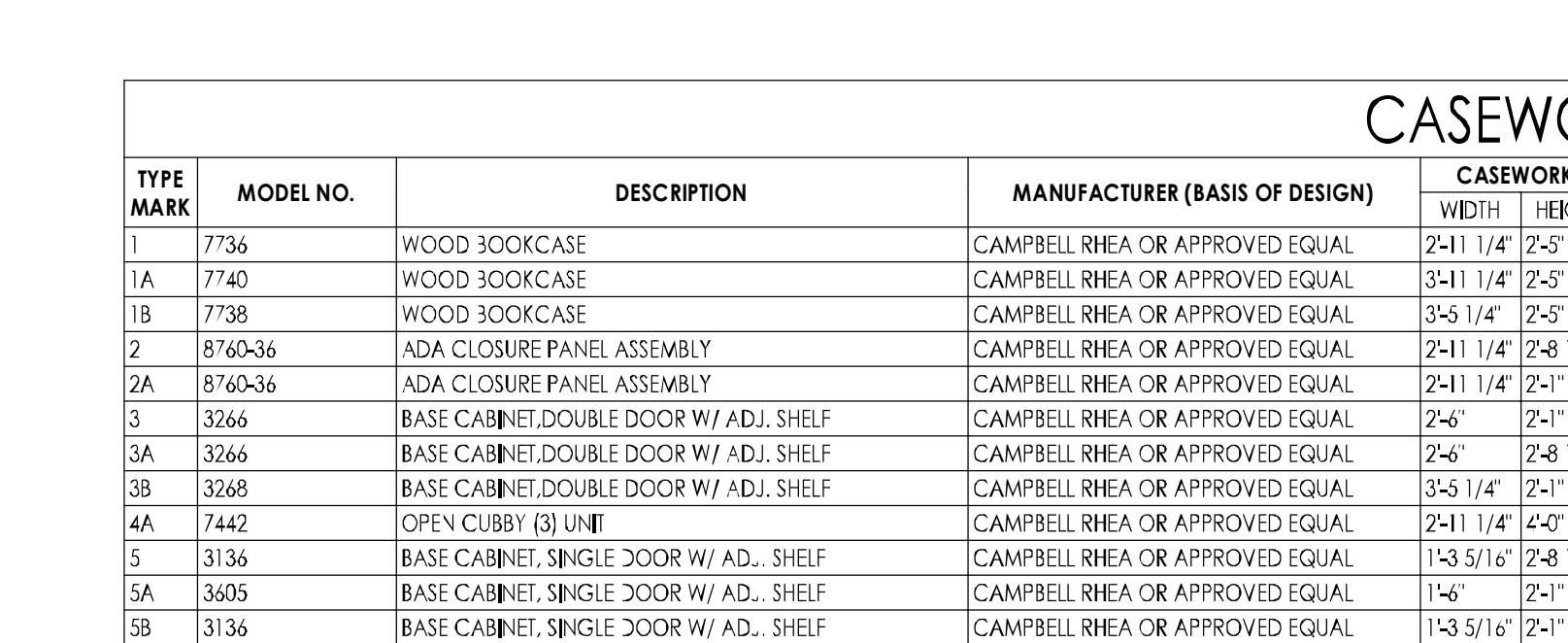
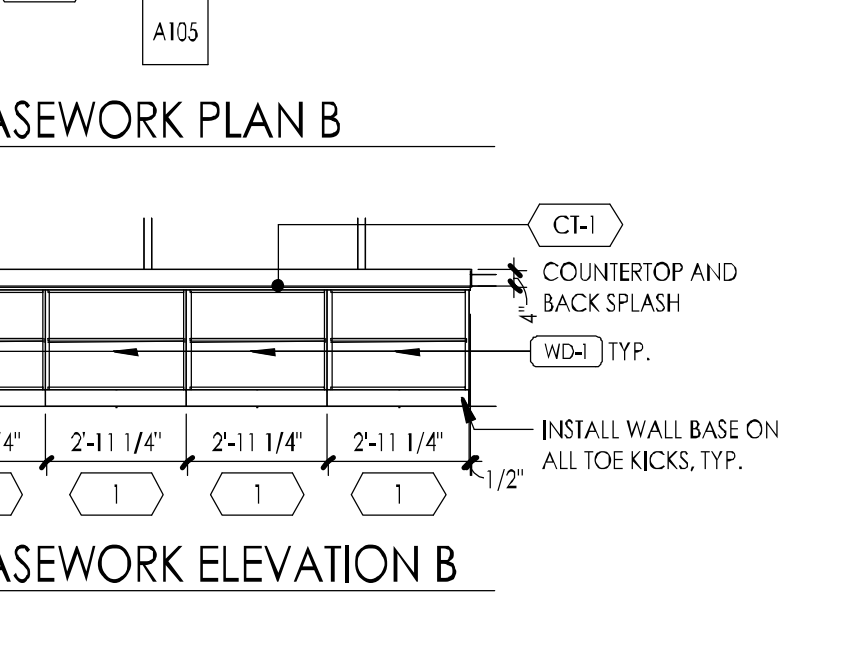
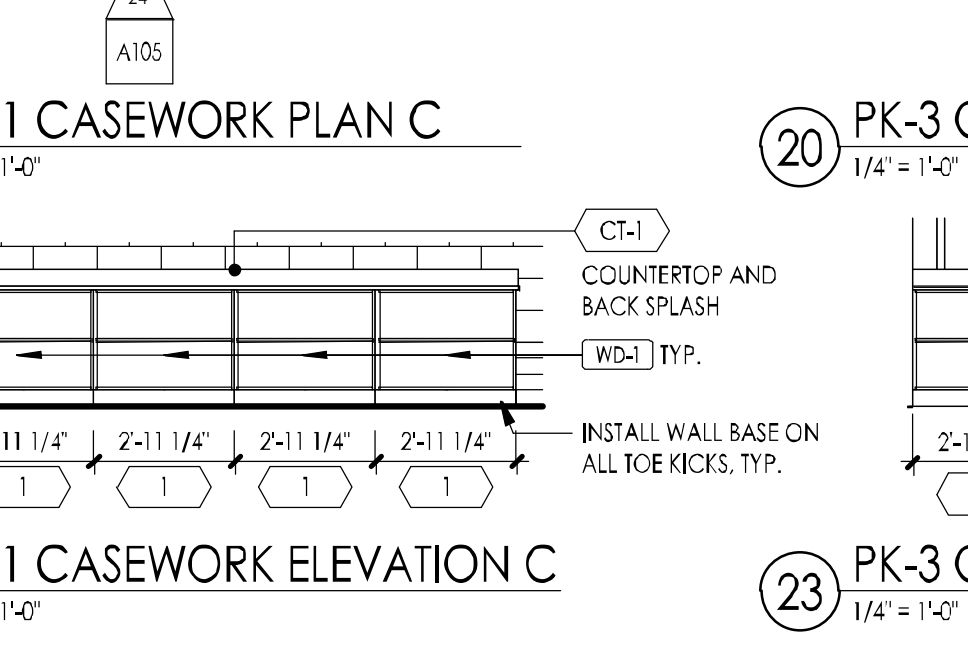
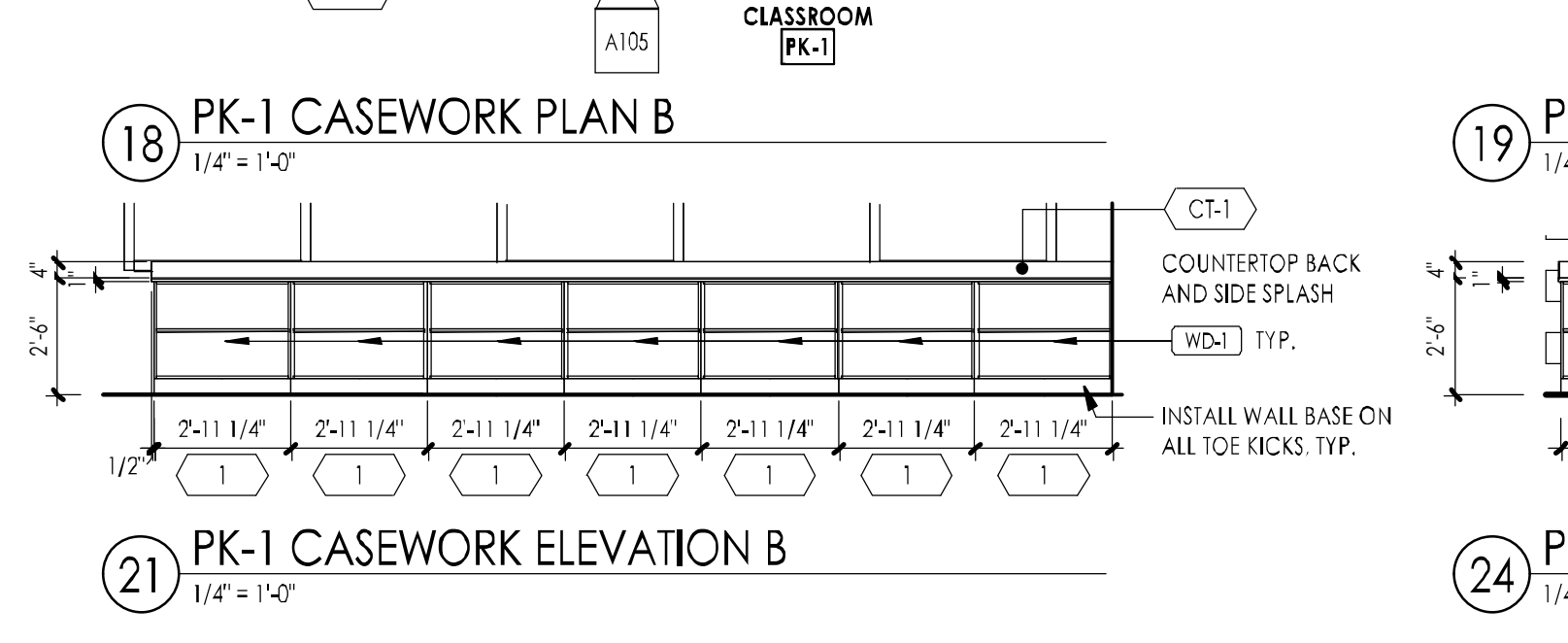
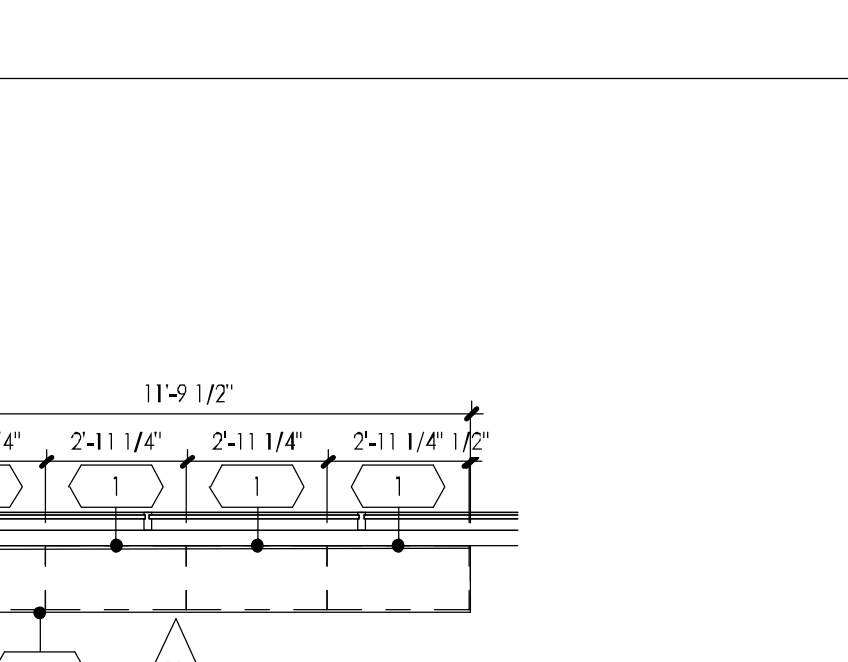
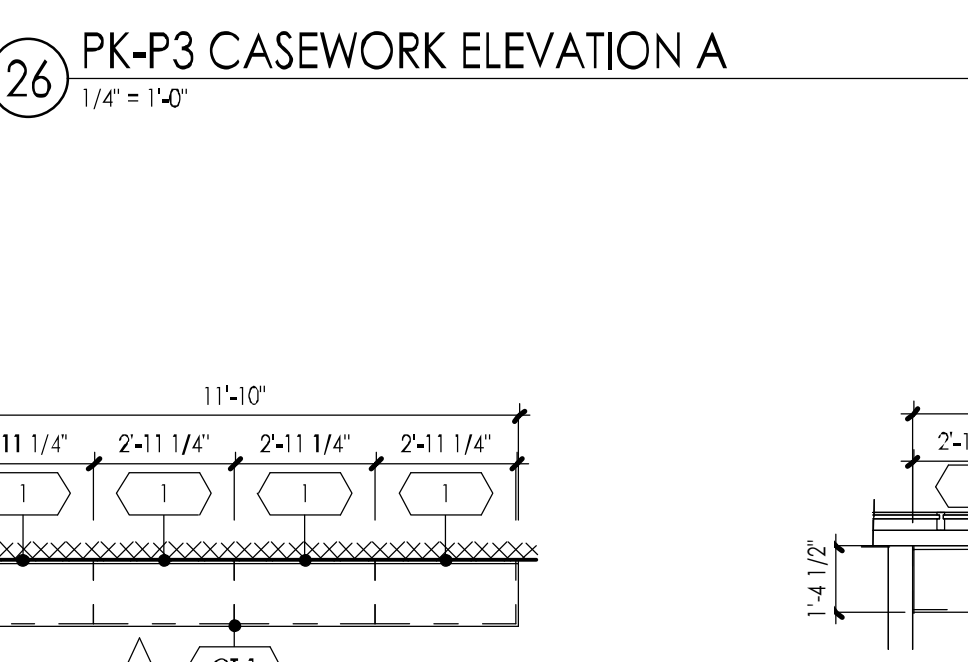
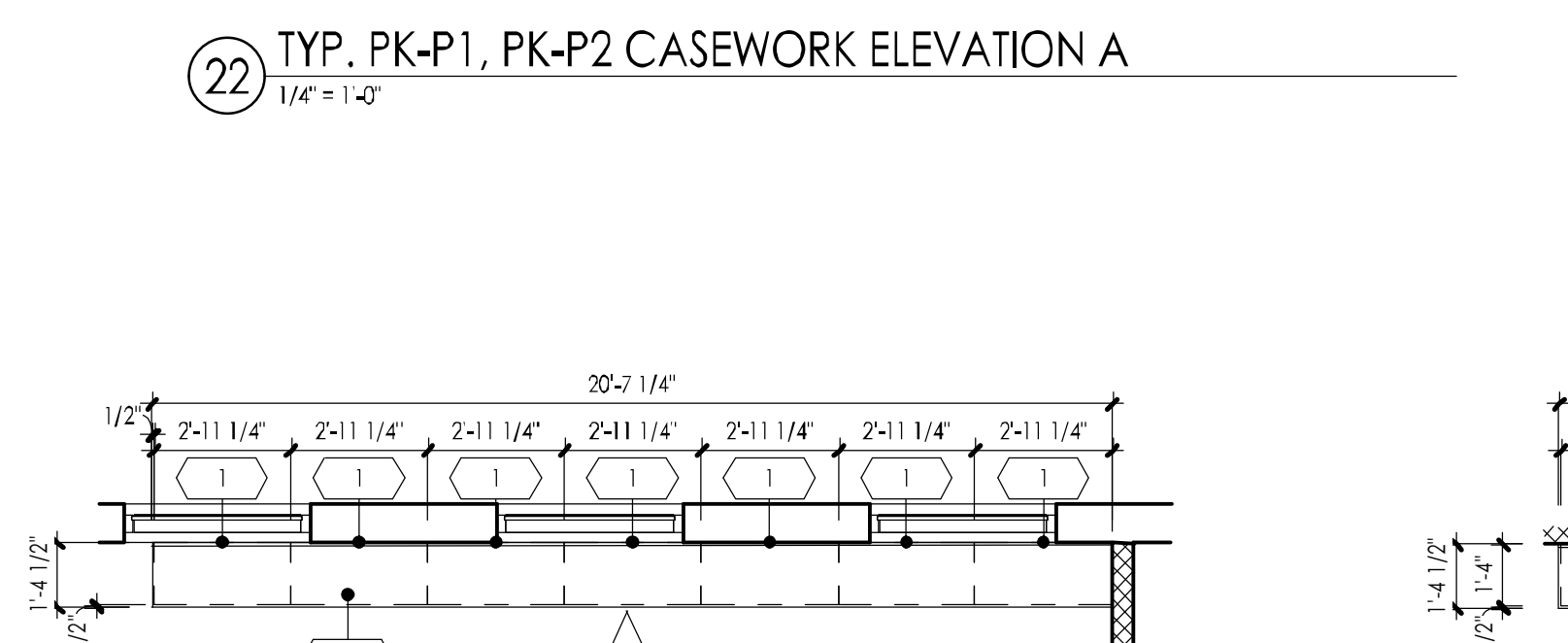
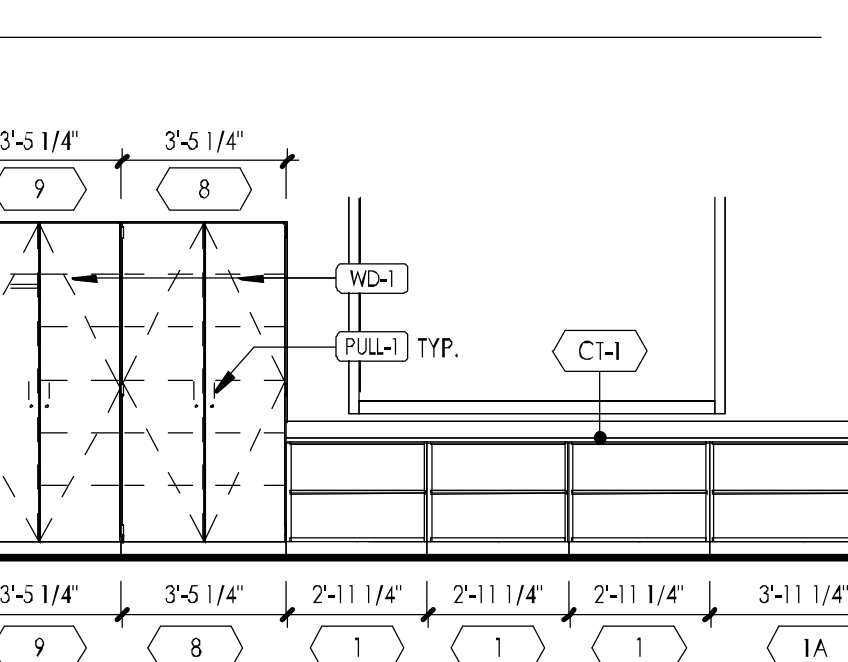
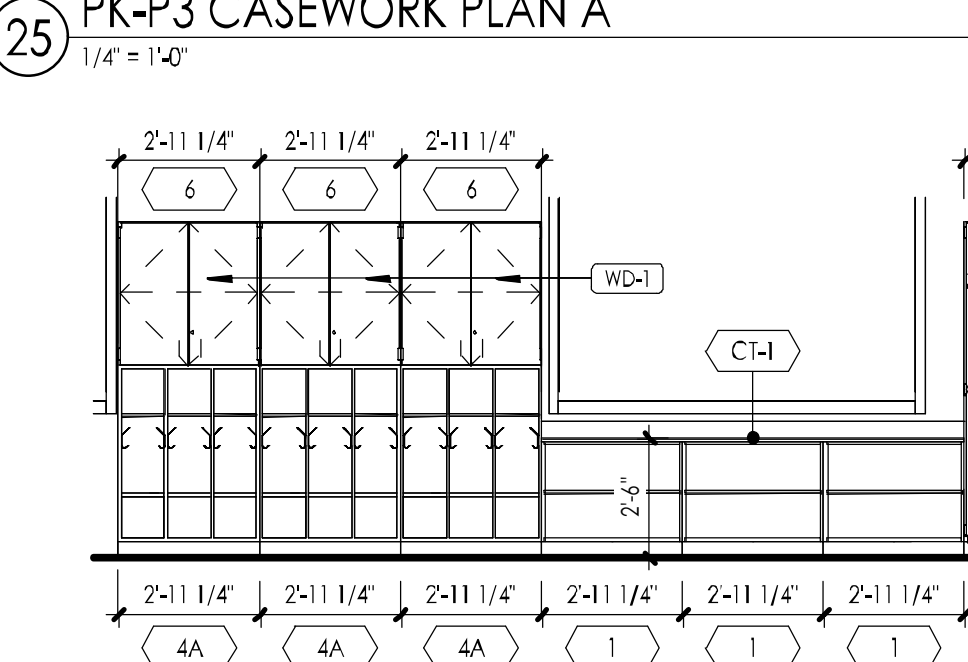
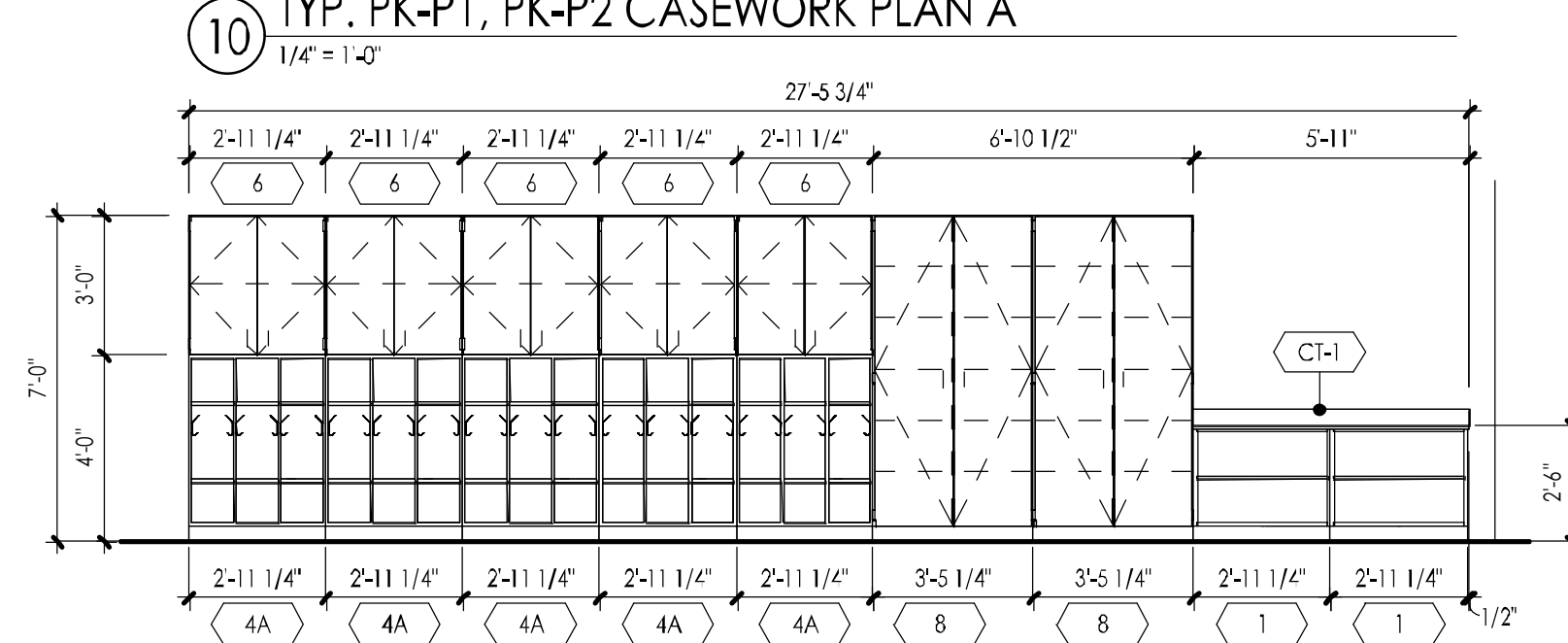
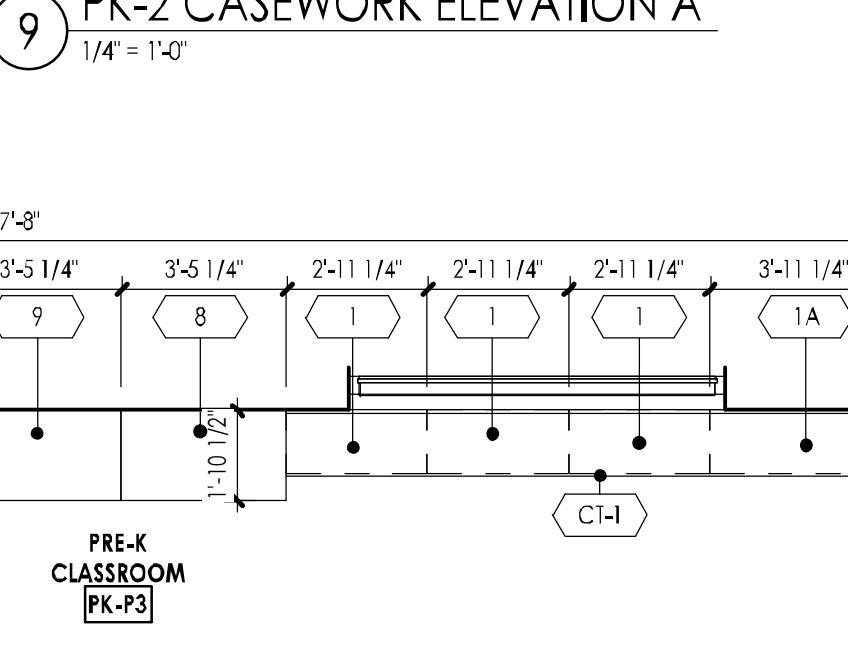
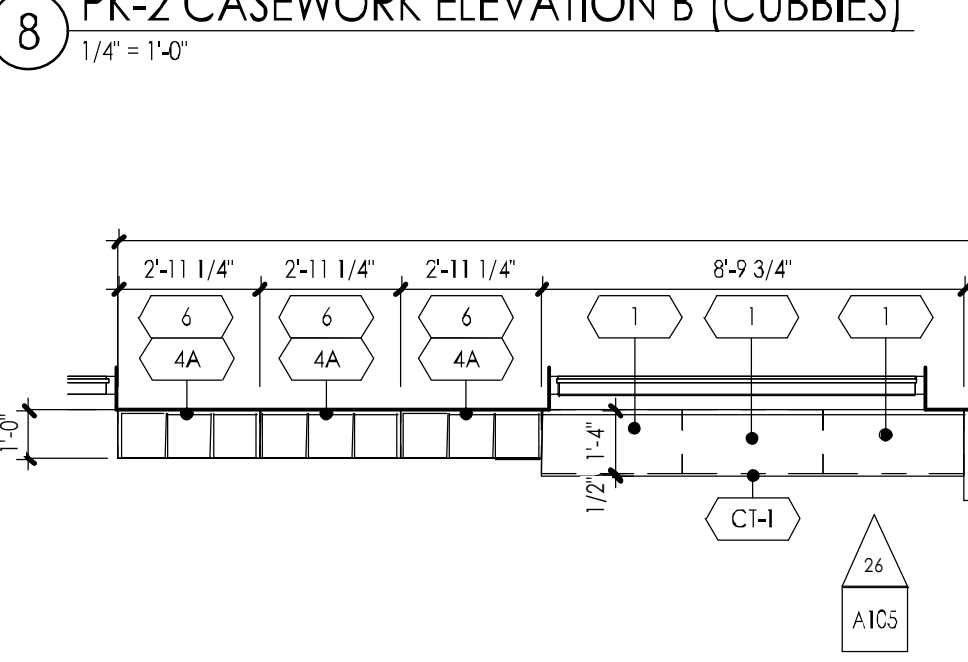
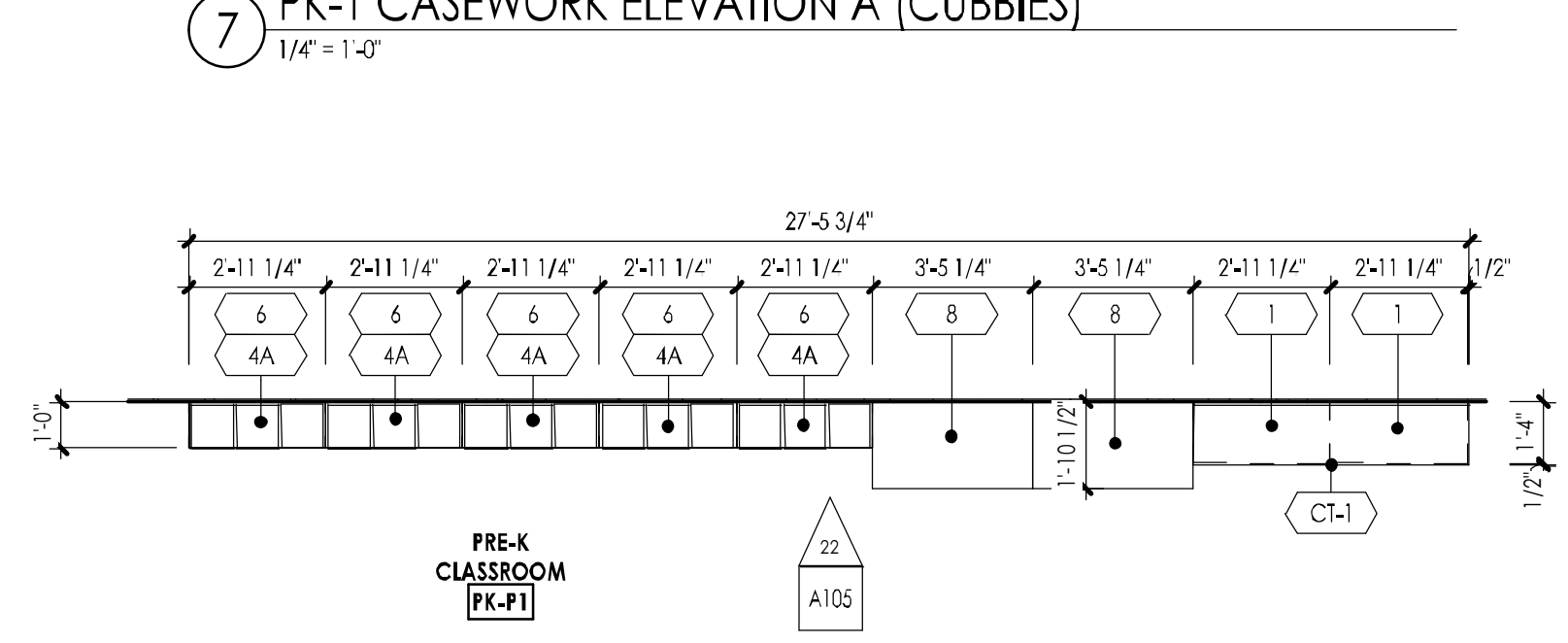
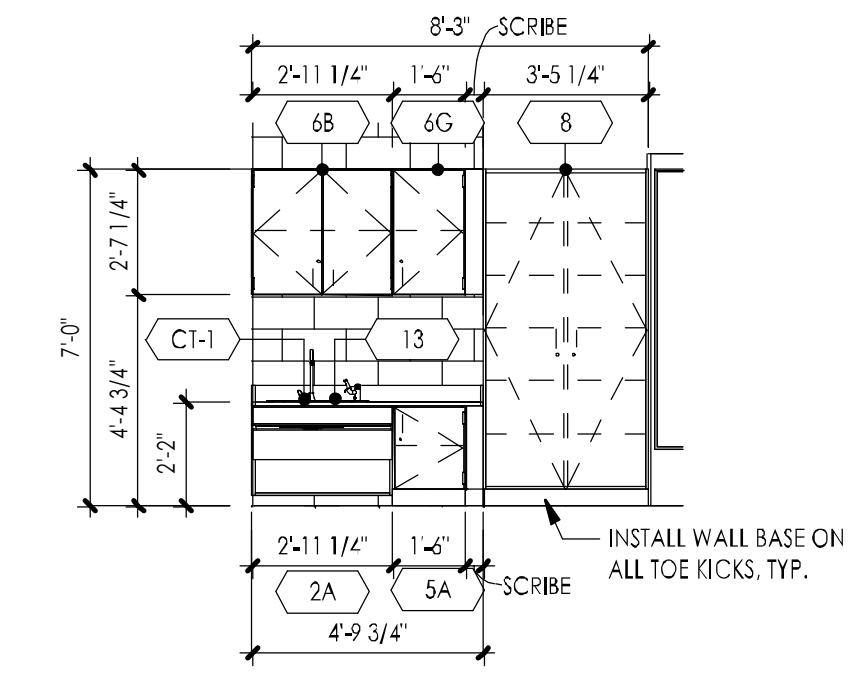
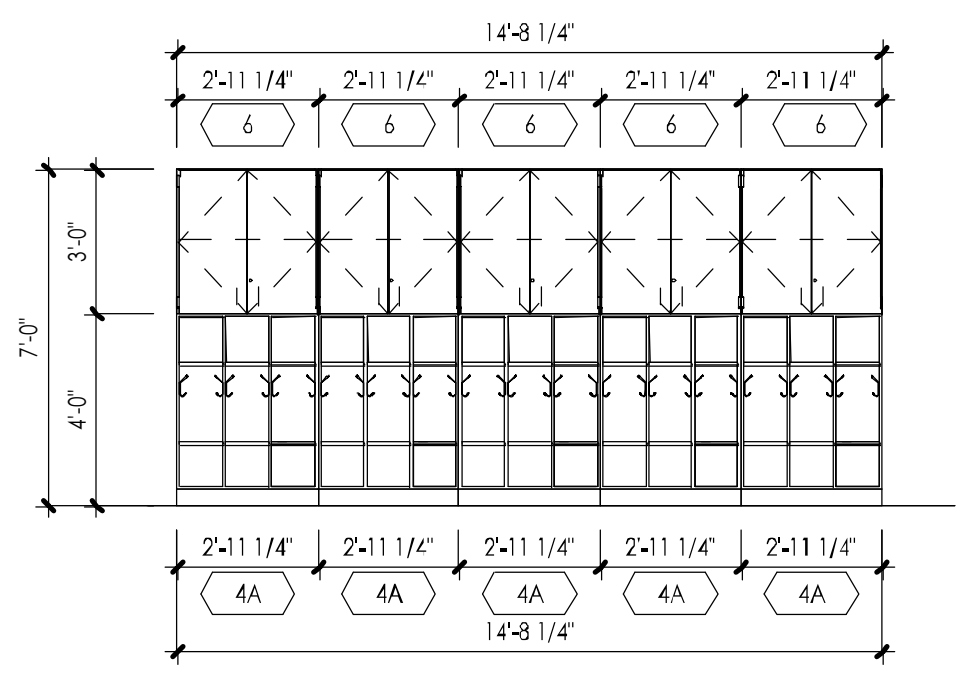
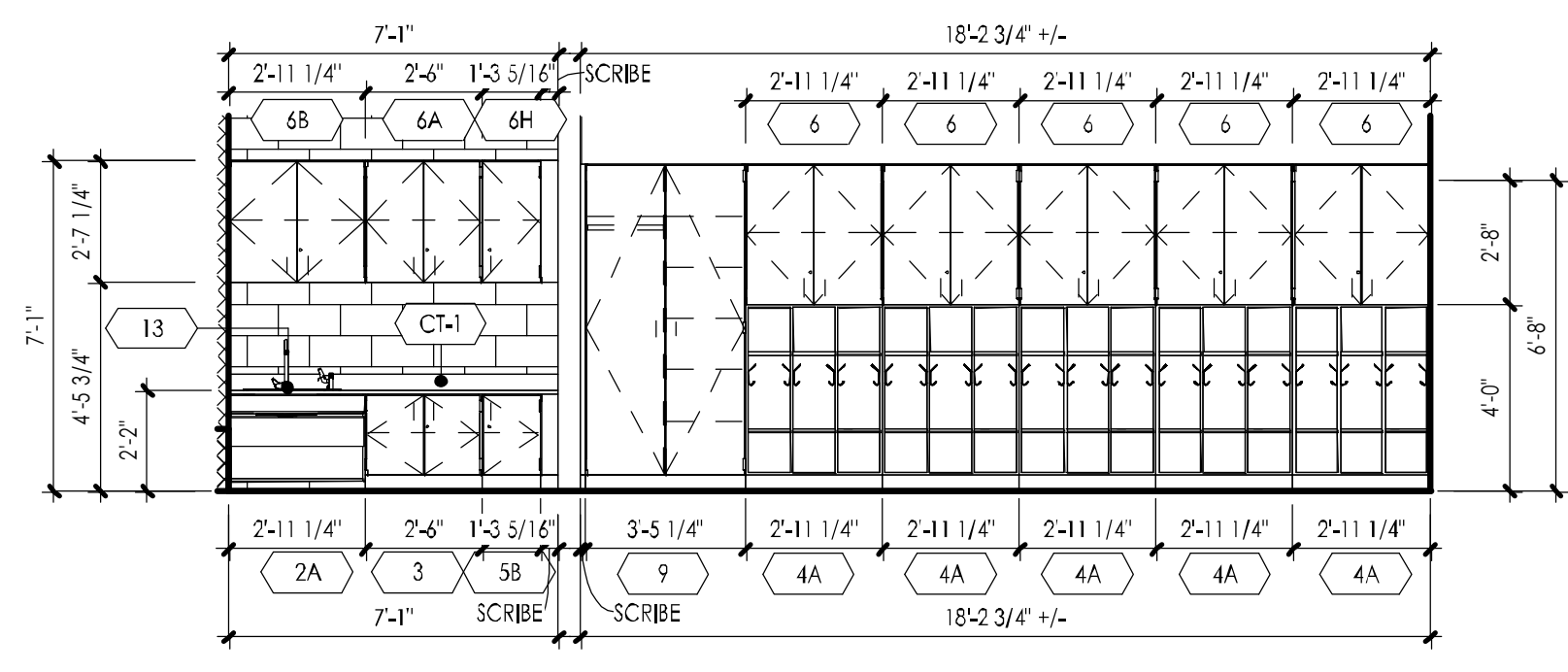
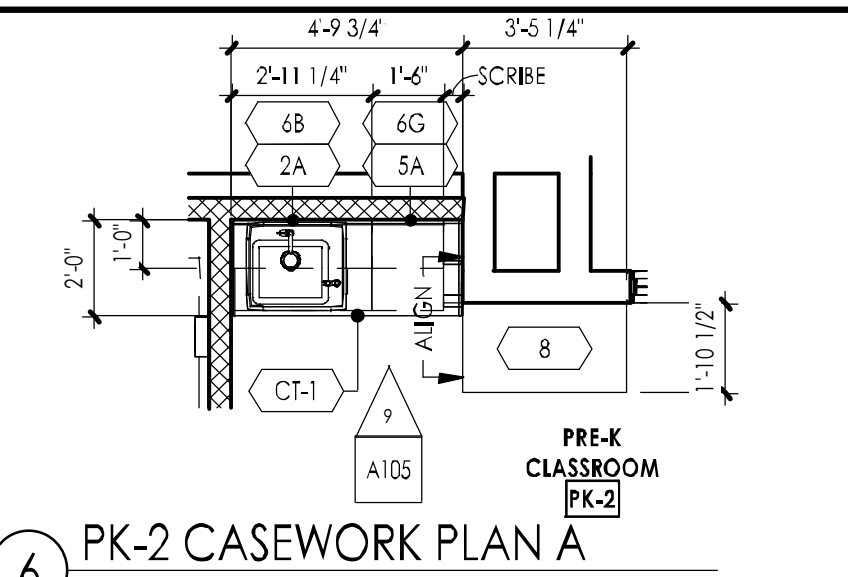
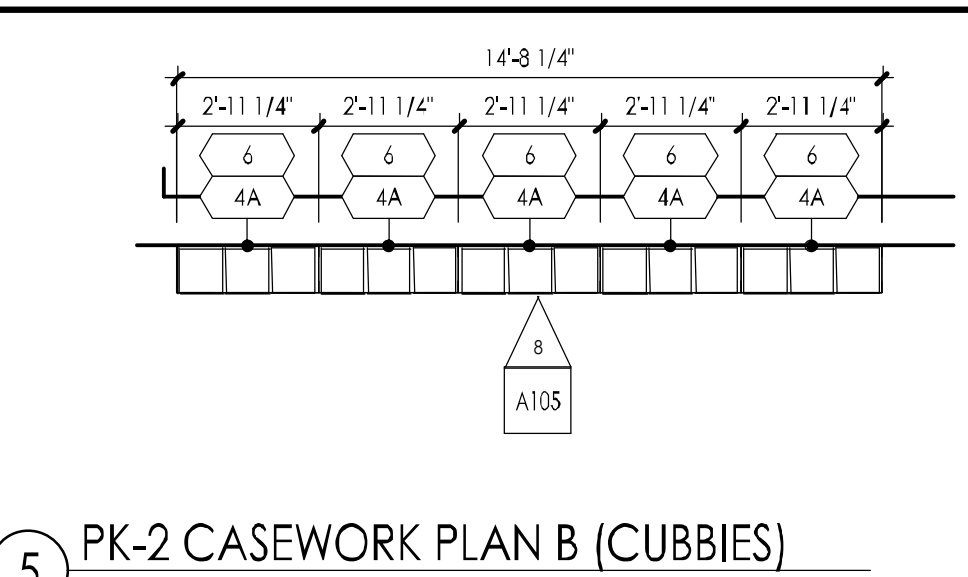
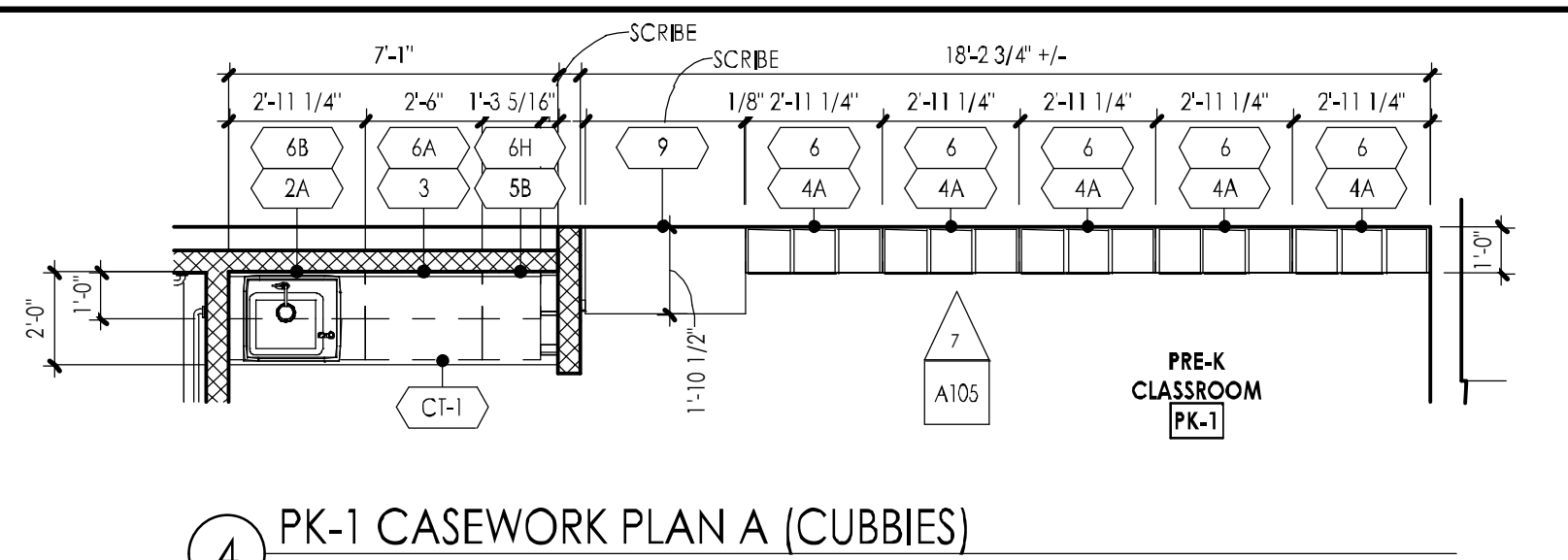
Project Number  
5481  
Project Date  
11/01/2024  
Checked By  
SWS  
Drawn By  
IVA  
Scale

Drawing Name  
REFLECTED CEILING PLANS, TOILET ROOM PLANS AND ACCESSORIES SCHEDULE

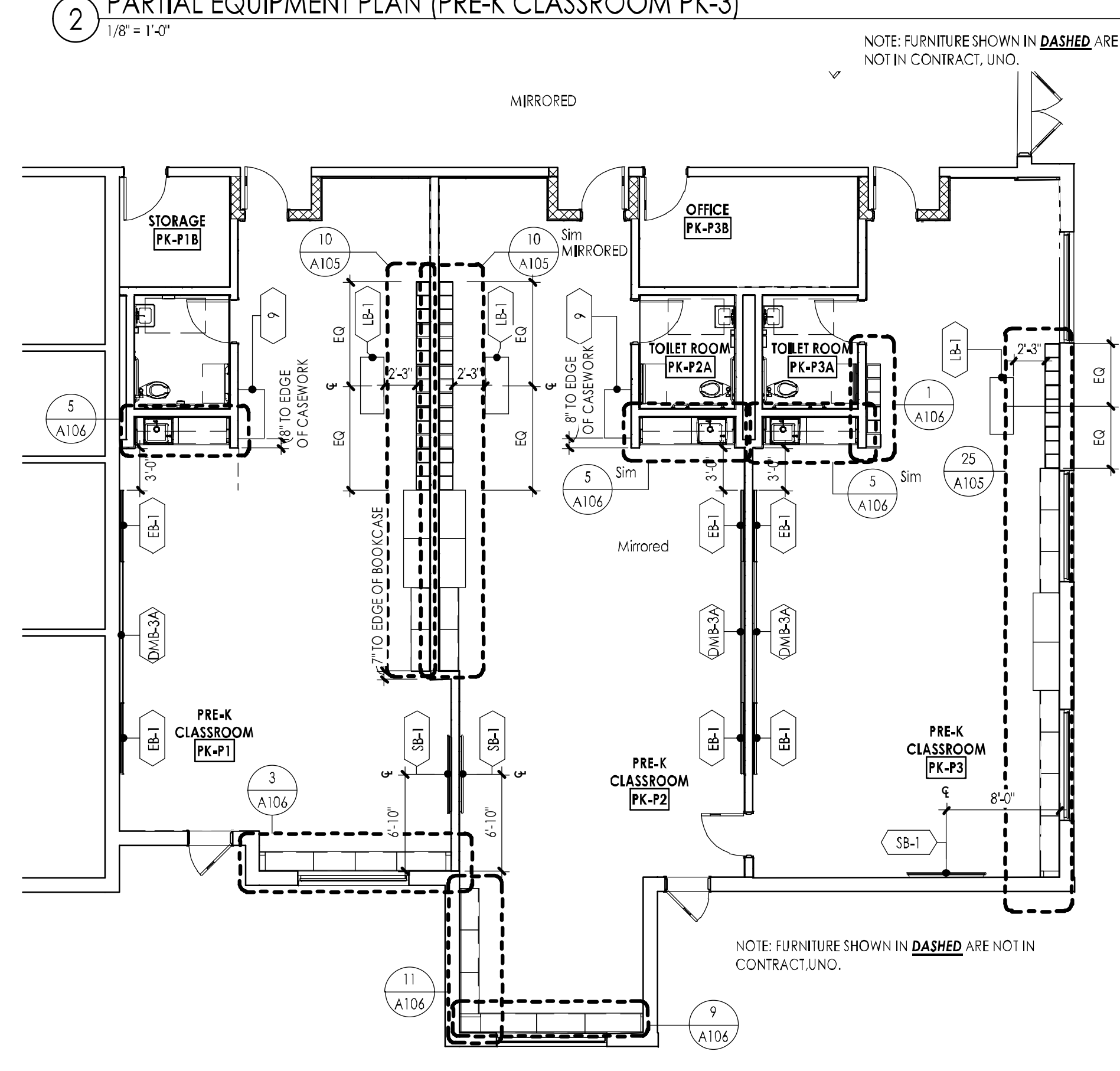
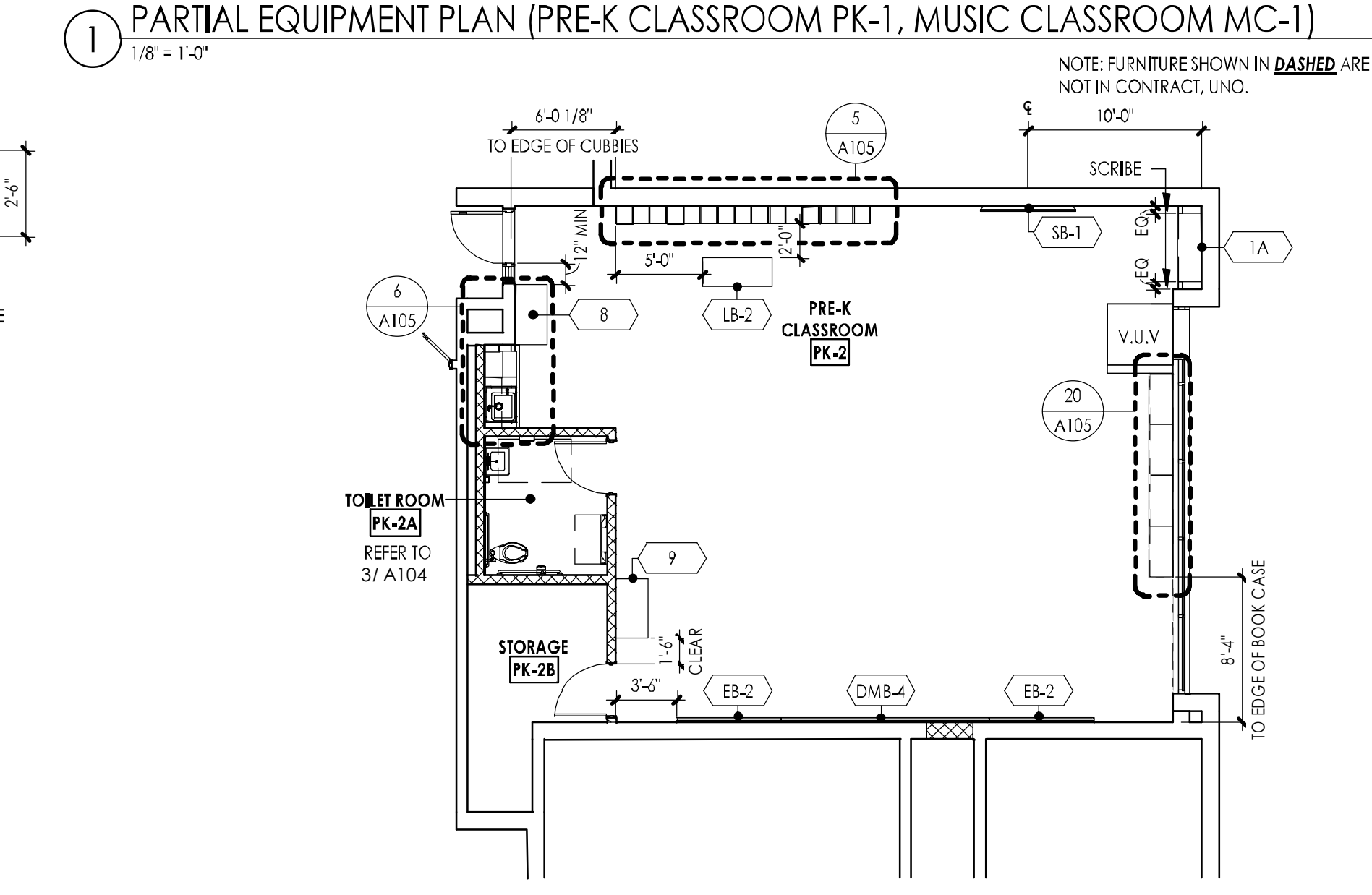
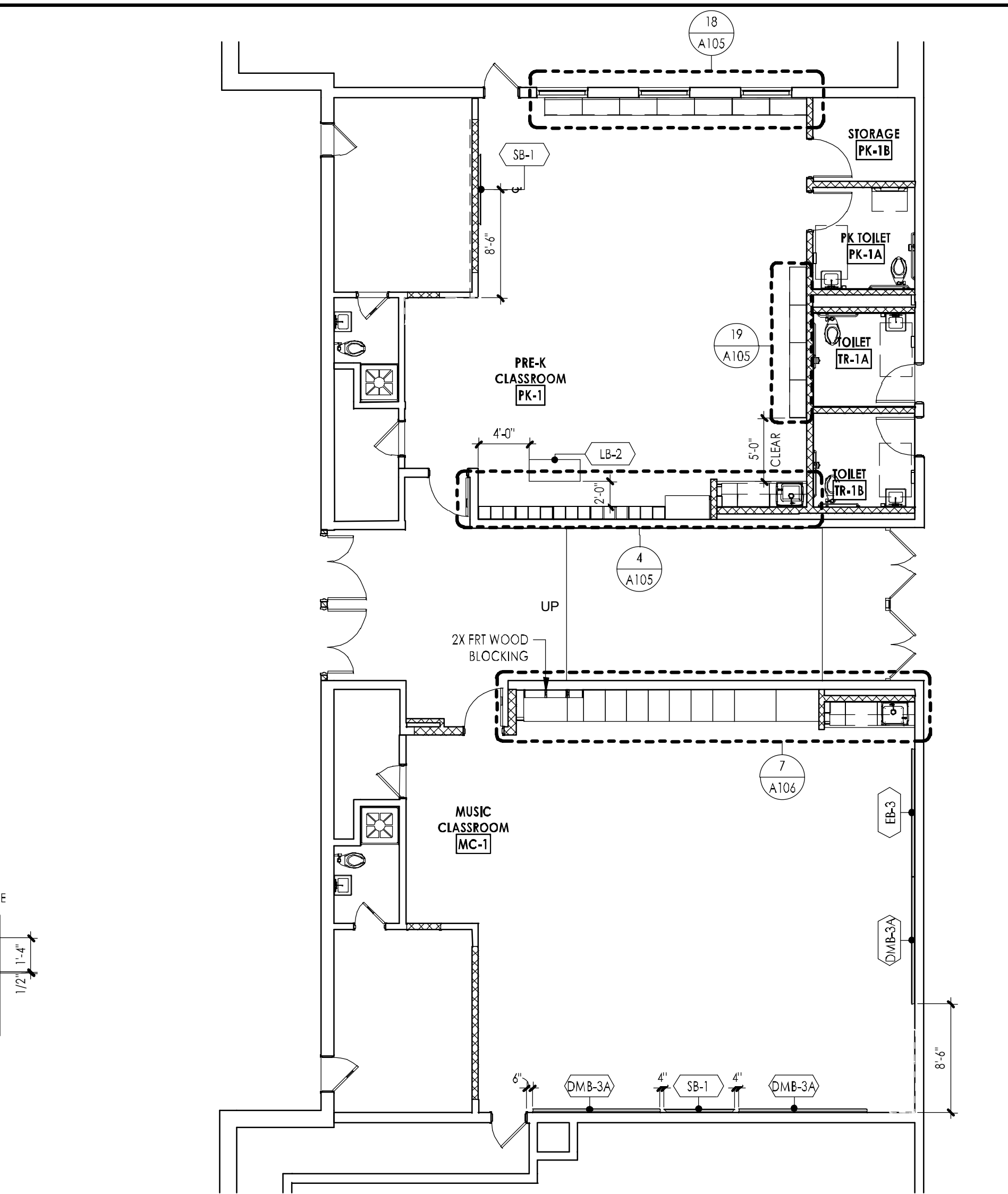
Revisions  
No. Date Description

Drawing Number:  
A104





CASEWORK SCHEDULE					
TYPE MARK	MODEL NO.	DESCRIPTION	MANUFACTURER (BASIS OF DESIGN)	CASEWORK DIMENSIONS	NOTES
7736		WOOD BOOKCASE	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 2'-5"	SEE PLANS FOR SOLID SURFACE TOP
1A	7740	WOOD BOOKCASE	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 2'-5"	SEE PLANS FOR SOLID SURFACE TOP
1B	7738	WOOD BOOKCASE	CAMPBELL RHEA OR APPROVED EQUAL	3'-5 1/4" 2'-5"	SEE PLANS FOR SOLID SURFACE TOP
2	8760-36	ADA CLOSURE PANEL ASSEMBLY	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 2'-8 1/2" 1'-10 1/2"	MODIFIED HEIGHT (251)
2A	8760-36	ADA CLOSURE PANEL ASSEMBLY	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 2'-11" 1'-10 1/2"	MODIFIED HEIGHT (251)
3	3266	BASE CABINET DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	2'-6" 2'-11" 1'-10 1/2"	
3A	3266	BASE CABINET DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	2'-6" 2'-8 1/2" 1'-10 1/2"	
3B	3266	BASE CABINET DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	3'-5 1/4" 2'-11" 1'-10 1/2"	
4A	7442	OPEN CUBBY (3) UNIT	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 4'-0" 1'-0"	COORDINATE INSTALL WITH WALL CABINET ABOVE, (2) HANGING HOOKS/LOCKER UNIT
5	3136	BASE CABINET, SINGLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	1'-3 3/16" 2'-8 1/2" 1'-10 1/2"	
5A	3605	BASE CABINET, SINGLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	1'-6" 2'-11" 1'-10 1/2"	
5B	3136	BASE CABINET, SINGLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	1'-3 3/16" 2'-11" 1'-10 1/2"	
6	5429	WALL CABINET, DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 1'-0" 1'-0"	
6A	4716	WALL CABINET, DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	2'-6" 2'-11" 1'-0"	
6B	4718	WALL CABINET, DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	2'-11 1/4" 2'-11" 1'-0"	
6D	4720	WALL CABINET, DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	3'-5 1/4" 2'-11" 1'-0"	
6G	4424	WALL CABINET, SINGLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	1'-6" 2'-11" 1'-0"	RIGHT-HINGED
6H	4502	WALL CABINET, SINGLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	1'-3 3/16" 2'-11" 1'-0"	LEFT-HINGED
7	5604M	TALL CABINET, SINGLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	1'-3" 7'-0" 1'-10 1/2"	MODIFIED-WIDTH CASEWORK
8	5690	TALL CABINET, DOUBLE DOOR W/ ADJ. SHELF	CAMPBELL RHEA OR APPROVED EQUAL	3'-5 1/4" 7'-0" 1'-10 1/2"	
9	6954-A	TEACHER'S WARDROBE	CAMPBELL RHEA OR APPROVED EQUAL	3'-5 1/4" 7'-0" 1'-10 1/2"	
10	7988-AW	MUSIC CASEWORK 1	CAMPBELL RHEA OR APPROVED EQUAL	1'-8 1/4" 7'-0" 2'-6"	FULL DOOR, SOLID OAK INSTRUMENT STORAGE CASEWORK
11	8024-AW	MUSIC CASEWORK 2	CAMPBELL RHEA OR APPROVED EQUAL	1'-8 1/4" 7'-0" 2'-6"	FULL DOOR, SOLID OAK INSTRUMENT STORAGE CASEWORK
12	8036-AW	MUSIC CASEWORK 3	CAMPBELL RHEA OR APPROVED EQUAL	3'-5 1/4" 7'-0" 2'-6"	FULL DOOR, SOLID OAK INSTRUMENT STORAGE CASEWORK
13	CR8-AD2225A-GP	S/S SINGLE BOWL DROP-IN CLASSROOM SINK	JUST MANUFACTURING	2'-1" 1'-0" 1'-0"	SEE SINK NOTE "A"
CT-1	various	SOLID SURFACE COUNTERTOP W/ BACK AND SIDE SPLASH	CORIAN OR APPROVED EQUAL	SEE PLAN SEE P. 415	REFER TO SPECS AND FINISH PLAN FOR INFO
LB-1	77782-ADAB	WOOD LOCKER BENCH 20"D x 48"W	SALSBURY INDUSTRIES OR APPROVED EQUAL	4'-0" 3'-3" 1'-10 3/4"	ADA COMPLAINT. BACK SUPPORT: FIXED MOUNT
LB-2	77782-ADCA	WOOD LOCKER BENCH 20"D x 48"W	SALSBURY INDUSTRIES OR APPROVED EQUAL	4'-0" 1'-6" 1'-8"	ADA COMPLAINT. FIXED MOUNT



CASEWORK NOTES

- ALL PRE-MANUFACTURED WOOD CASEWORK AND MODEL NUMBERS ARE BASED ON THE MOST CURRENT CAMPBELL RHEA CATALOG UNLESS NOTED OTHERWISE.
- ALL FURNITURE AND EQUIPMENT SHOWN DASHED AND/OR INDICATED AS (N.C.) IS NOT IN CONTRACT.
- THE CASEWORK & EQUIPMENT SUB-CONTRACTOR(S) SHALL TURN OVER TO THE PLUMBING AND ELECTRICAL CONTRACTOR(S) IN A PACKAGE ALL SINKS, FIXTURES, FAUCETS, TAILPIECES, STRAINERS, ETC. AND ELECTRICAL DEVICES, RECEPTS AND LOCKS, ETC. FOR INSTALLATION AND FINAL CONNECTION.
- THE CASEWORK AND EQUIPMENT SUB-CONTRACTOR SHALL PROVIDE AN ITEMIZED LIST AND A DESIGNATED SITE LOCATION FOR THE TRANSFER OF THE MATERIALS REFERENCED IN NOTE 3 TO THE PLUMBING AND ELECTRICAL CONTRACTORS. THE LIST SHALL HAVE A DESCRIPTION OF THE ITEMS AND QUANTITY ALONG WITH A SIGN-OFF LINE FOR THE PLUMBING AND ELECTRICAL CONTRACTORS. A COPY OF THE SIGNED LIST IS TO BE SUBMITTED TO THE ARCHITECT/OWNER PRIOR TO BILLING FOR THE EQUIPMENT.
- EQUIPMENT SUB-CONTRACTOR SHALL MAKE SINK CUT-OUTS.
- ALL CONTRACTORS TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ARCHITECT IN WRITTEN FORM OF ANY DISCREPANCIES.
- ALL ALL WOOD VENEER AND SOLID WOOD FINISH SHOULD RUN WITH VERTICAL GRAIN PATTERN.
- OUTSIDE FASCIA CORNERS TO BE MITERED.
- ALL EXPOSED KNEE PANELS ON WALL CABINETS AND LIGHT VALANCES TO BE ONE PIECE OF WOOD VENEER.
- ALL SINK FRONTS TO ALIGN WITH ADJACENT DOOR AND DRAWER FACE. THERE SHOULD NOT BE A VERTICAL HULLION IN CABINETS WITH DOUBLE DOORS, 24" WIDE OR LESS.
- SEE CASEWORK ELEVATIONS FOR WOOD VENEER/LAMINATE SEAM LOCATIONS. UNLESS NOTED OTHERWISE.
- RUBBER BASE SHALL BE INSTALLED ON ALL CASEWORK.
- ALL CASEWORK DOORS AND DRAWERS SHALL HAVE LOCKS AND KEYS ALIKE PER ROOM AND MASTER KEYED.
- ALL TOPS SHALL BE 1" THICK 1/2" SOLID SURFACE ON 1/2" PLYWOOD UNLESS NOTED OTHERWISE.
- ALL BACKSPLASH SHALL BE 1/2" SOLID SURFACE.

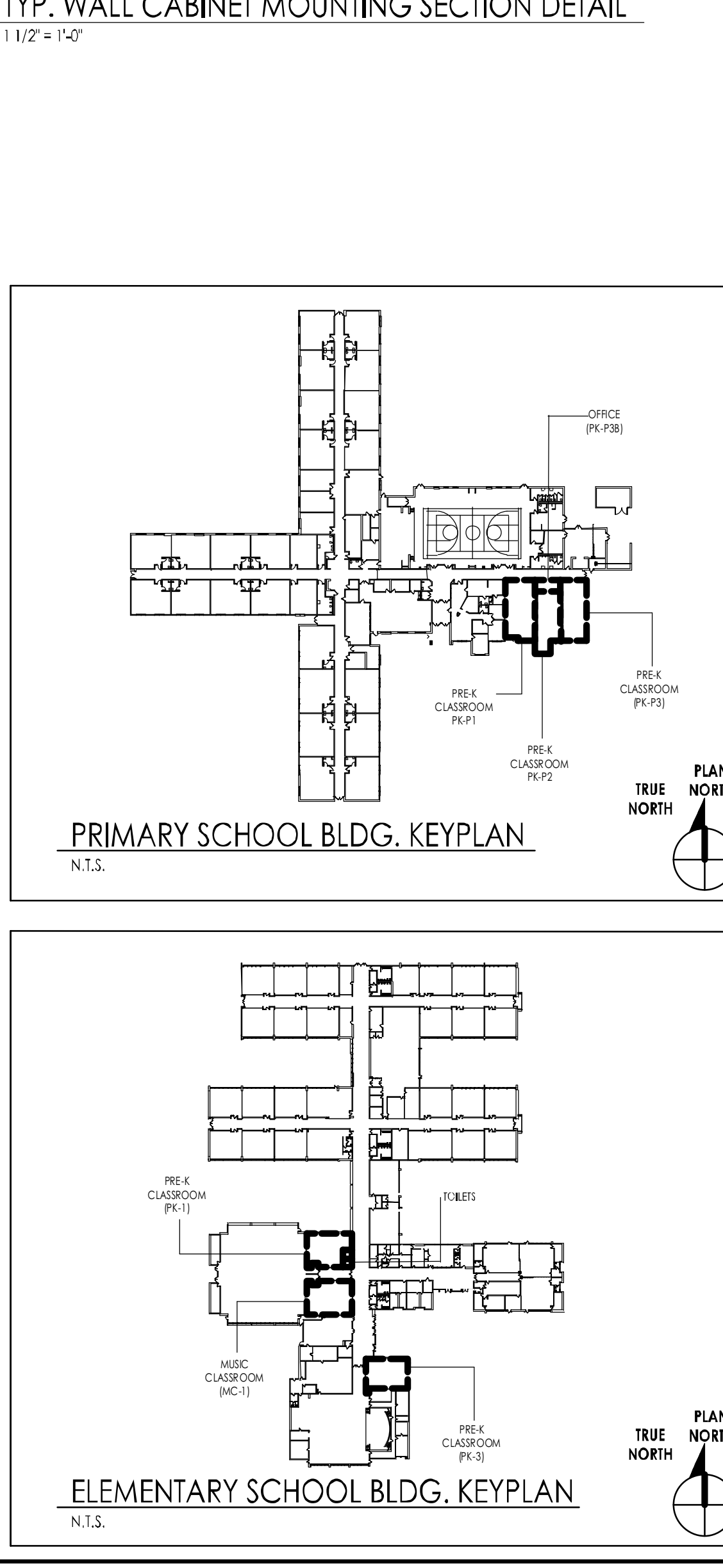
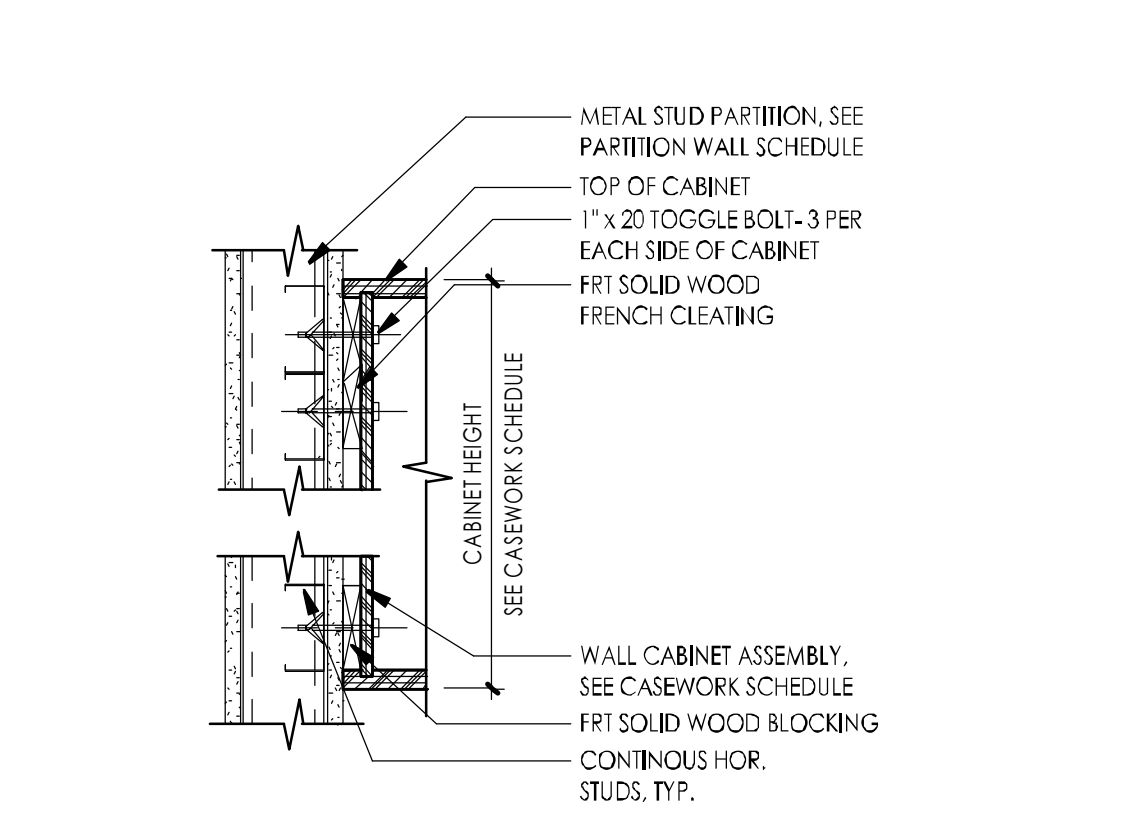
SINK NOTE "A"

CR8-AD2225A-GP "JUST" STAINLESS STEEL SINK W/ BUBBLER COMBINATION. THE ACADEMIC GROUP "A" SERIES, TYPE 304, WHEELCHAIR ACCESSIBLE SINK, LEDGE TYPE, FAUCET LEDGE REAR, BUBBLER LEDGE RIGHT, SINGLE COMPARTMENT, SELF-RIM, 18 GAUGE STAINLESS STEEL, 25" X 22" X 5" DEEP, SINK UNDERCORKED W/ SOUND DEADENING MATERIAL. FURNISH COMPLETE WITH JUST FAUCET (81-H1744S) CONCEALED HOT & COLD WATER MIXING FAUCET WITH SWIVEL GOOSENECK SPOUT, 1.5 GPM AERATOR AND WIRE BLADE HANDLES. INCLUDE ONE JUST BUBBLER (4-JBS) W/ SELF-CLOSING LEVER HANDLE. INCLUDE ONE JUST OFFSET DRAIN ASSEMBLY (H-AD-35-F) W/ DRAIN INSULATING KIT (H-AD-A1-SD) W/ STAINLESS STEEL FLAT STRAINER & 4" LONG STAINLESS STEEL TAILPIECE (H-AS-55F).

SINK, FAUCET, STRAINER AND TAILPIECE TO BE SUPPLIED BY EQUIPMENT CONTRACTOR. THE PLUMBING SUB-CONTRACTOR SHALL PROVIDE AND INSTALL ALL TRAPS, VALVES, WASTE LINES, ETC. AS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL. THE PLUMBING SUB-CONTRACTOR SHALL MAKE THE FINAL PLUMBING CONNECTIONS REQUIRED TO MAKE THE SYSTEM FULLY FUNCTIONAL.

EQUIPMENT LEGEND

DESIGNATION	DESCRIPTION
EB	EXHIBITION BOARD
TS	TACKSTRIP
DWB	DRY ERASE MARKERBOARD
CT	COUNTERTOP (SOLID SURFACE)
WD	WOOD FINISH
SB	SMART BOARD/SMART SCREEN
LB	FIXED-MOUNTED LOCKER BENCH



WILLIAM D. HOPKINS III, AIA, LEED AP  
N.Y. REG. NO. 176000 / P.A. NO. 020209

GEORGE R. DUTHIE JR., AIA, PP  
N.Y. REG. NO. 176000 / P.A. NO. 020209

JASON DUBOWITZ, AIA  
N.Y. REG. NO. 176000 / P.A. NO. 020209

W.D.H. ARCHITECTS  
11/01/2024  
DATE

GFVHD architects  
Fraytak Veisz Hopkins Duthie P.C.

Project Name  
Renovations for Five (5) Pre-K Classrooms at  
Clayton J. Davenport Elementary School

Project Owner Name  
Egg Harbor Township School District

Project Location  
2501 Spruce Avenue  
Egg Harbor Township, NJ 08234

Project Number  
5481

Project Date  
11/01/2024

Checked By  
SWS

Drawn By  
IVA

Scale

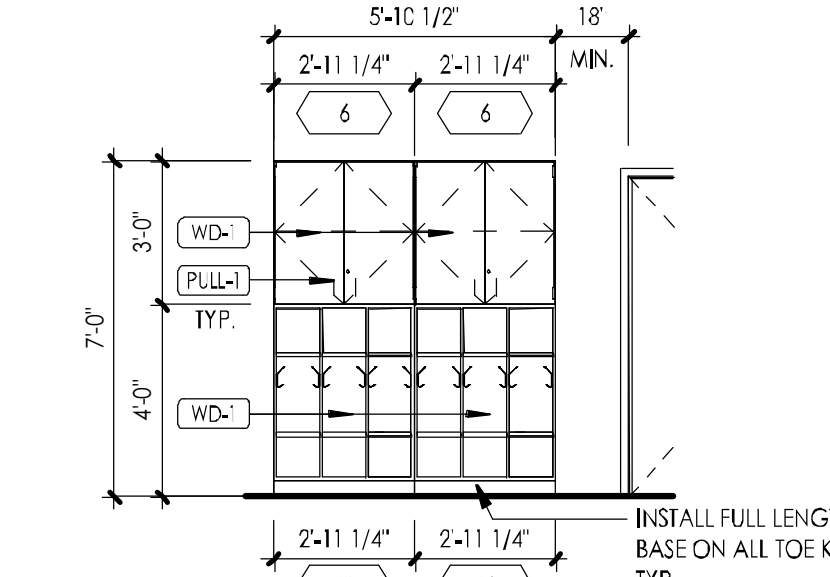
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CASEWORK PLANS AND ELEVATIONS

Revisions  
No. Date Description

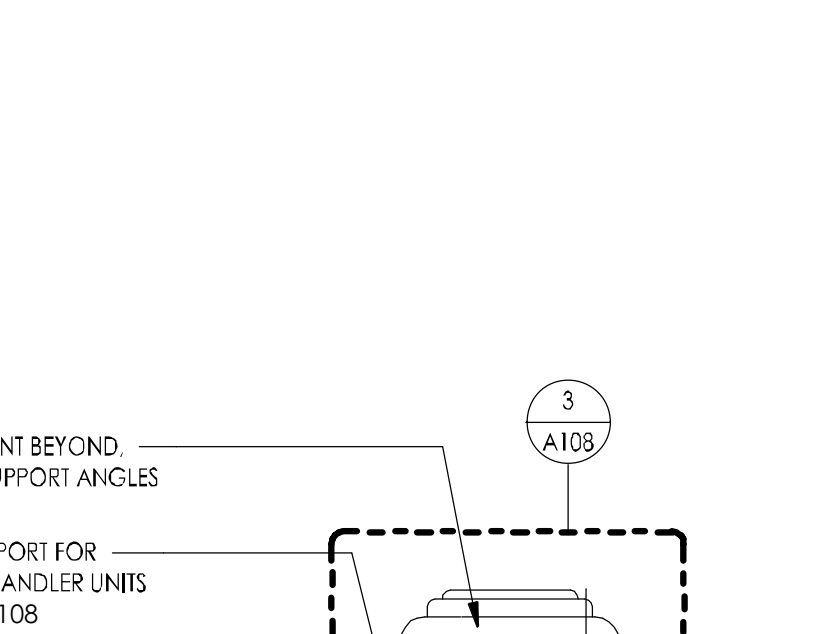
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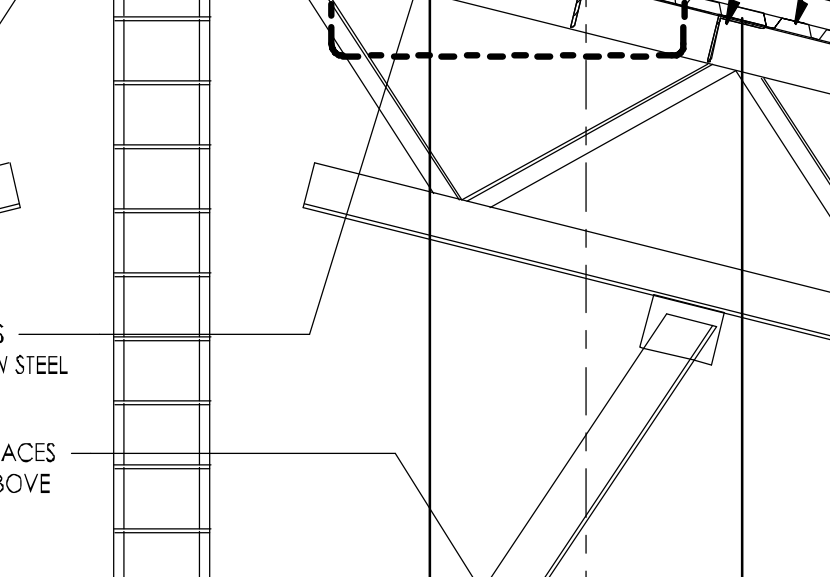
1 PK-P3 CASEWORK PLAN B (CUBBIES)  
 1/4" = 1'-0"



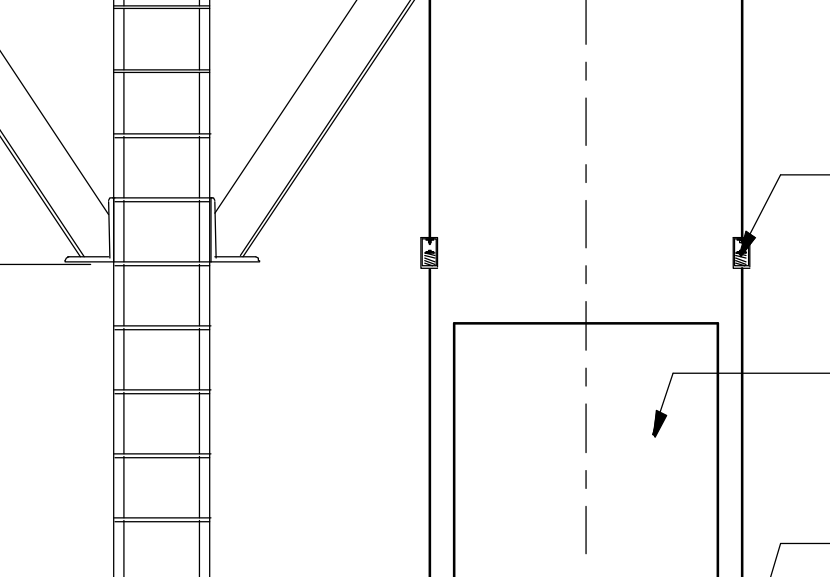
2 PK-P3 CASEWORK ELEVATION B (CUBBIES)  
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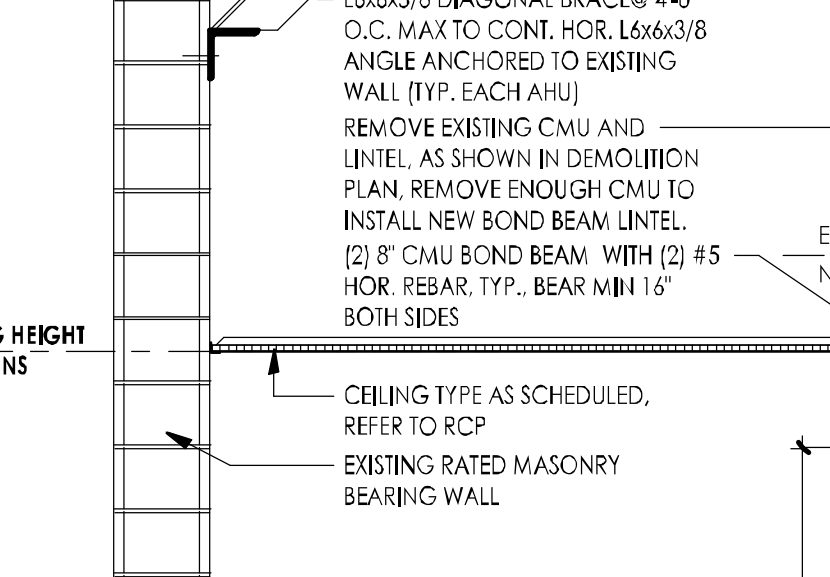
3 PK-P3 CASEWORK PLAN C  
 1/4" = 1'-0"



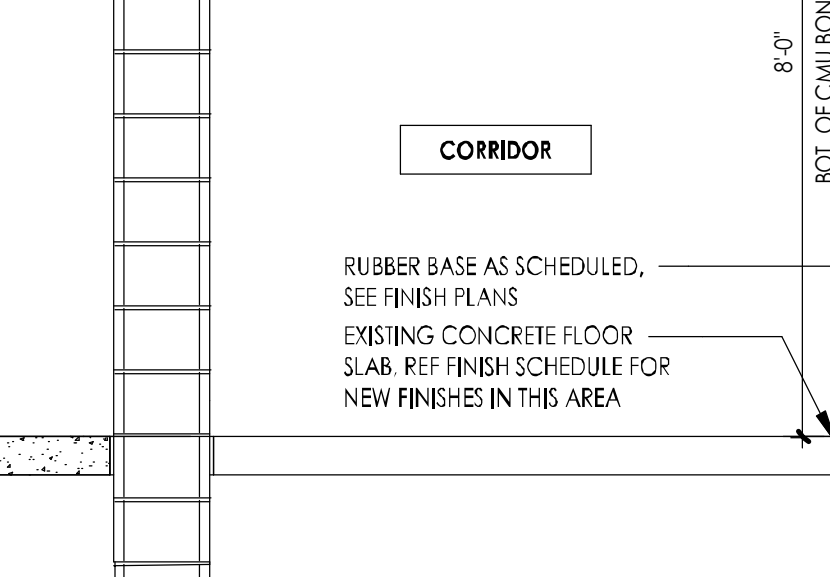
4 PK-P3 CASEWORK ELEVATION C  
 1/4" = 1'-0"



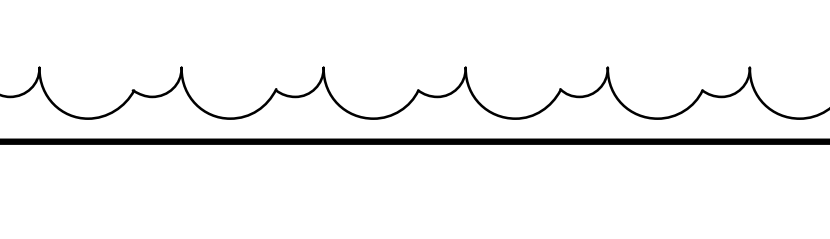
5 PK-P3 CASEWORK PLAN D  
 1/4" = 1'-0"



6 PK-P3 CASEWORK ELEVATION D  
 1/4" = 1'-0"



7 PK-P3 CASEWORK PLAN E  
 1/4" = 1'-0"



8 PK-P3 CASEWORK ELEVATION E  
 1/4" = 1'-0"



9 PK-P3 CASEWORK PLAN F  
 1/4" = 1'-0"



10 PK-P3 CASEWORK ELEVATION F  
 1/4" = 1'-0"



11 PK-P3 CASEWORK PLAN G  
 1/4" = 1'-0"



12 PK-P3 CASEWORK ELEVATION G  
 1/4" = 1'-0"



13 PK-P3 CASEWORK PLAN H  
 1/4" = 1'-0"



14 PK-P3 CASEWORK ELEVATION H  
 1/4" = 1'-0"



15 PK-P3 CASEWORK PLAN I  
 1/4" = 1'-0"



16 PK-P3 CASEWORK ELEVATION I  
 1/4" = 1'-0"



17 PK-P3 CASEWORK PLAN J  
 1/4" = 1'-0"



18 PK-P3 CASEWORK ELEVATION J  
 1/4" = 1'-0"



19 PK-P3 CASEWORK PLAN K  
 1/4" = 1'-0"



20 PK-P3 CASEWORK ELEVATION K  
 1/4" = 1'-0"



21 PK-P3 CASEWORK PLAN L  
 1/4" = 1'-0"



22 PK-P3 CASEWORK ELEVATION L  
 1/4" = 1'-0"



23 PK-P3 CASEWORK PLAN M  
 1/4" = 1'-0"



24 PK-P3 CASEWORK ELEVATION M  
 1/4" = 1'-0"



25 PK-P3 CASEWORK PLAN N  
 1/4" = 1'-0"



26 PK-P3 CASEWORK ELEVATION N  
 1/4" = 1'-0"



27 PK-P3 CASEWORK PLAN O  
 1/4" = 1'-0"



28 PK-P3 CASEWORK ELEVATION O  
 1/4" = 1'-0"



29 PK-P3 CASEWORK PLAN P  
 1/4" = 1'-0"



30 PK-P3 CASEWORK ELEVATION P  
 1/4" = 1'-0"



31 PK-P3 CASEWORK PLAN Q  
 1/4" = 1'-0"



32 PK-P3 CASEWORK ELEVATION Q  
 1/4" = 1'-0"



33 PK-P3 CASEWORK PLAN R  
 1/4" = 1'-0"



34 PK-P3 CASEWORK ELEVATION R  
 1/4" = 1'-0"



35 PK-P3 CASEWORK PLAN S  
 1/4" = 1'-0"



36 PK-P3 CASEWORK ELEVATION S  
 1/4" = 1'-0"



37 PK-P3 CASEWORK PLAN T  
 1/4" = 1'-0"



38 PK-P3 CASEWORK ELEVATION T  
 1/4" = 1'-0"



39 PK-P3 CASEWORK PLAN U  
 1/4" = 1'-0"



40 PK-P3 CASEWORK ELEVATION U  
 1/4" = 1'-0"



41 PK-P3 CASEWORK PLAN V  
 1/4" = 1'-0"



42 PK-P3 CASEWORK ELEVATION V  
 1/4" = 1'-0"



43 PK-P3 CASEWORK PLAN W  
 1/4" = 1'-0"



44 PK-P3 CASEWORK ELEVATION W  
 1/4" = 1'-0"



45 PK-P3 CASEWORK PLAN X  
 1/4" = 1'-0"



46 PK-P3 CASEWORK ELEVATION X  
 1/4" = 1'-0"



47 PK-P3 CASEWORK PLAN Y  
 1/4" = 1'-0"



48 PK-P3 CASEWORK ELEVATION Y  
 1/4" = 1'-0"



49 PK-P3 CASEWORK PLAN Z  
 1/4" = 1'-0"



50 PK-P3 CASEWORK ELEVATION Z  
 1/4" = 1'-0"



51 PK-P3 CASEWORK PLAN A  
 1/4" = 1'-0"



52 PK-P3 CASEWORK ELEVATION A  
 1/4" = 1'-0"



53 PK-P3 CASEWORK PLAN B  
 1/4" = 1'-0"



54 PK-P3 CASEWORK ELEVATION B  
 1/4" = 1'-0"



55 PK-P3 CASEWORK PLAN C  
 1/4" = 1'-0"



56 PK-P3 CASEWORK ELEVATION C  
 1/4" = 1'-0"



57 PK-P3 CASEWORK PLAN D  
 1/4" = 1'-0"



58 PK-P3 CASEWORK ELEVATION D  
 1/4" = 1'-0"



59 PK-P3 CASEWORK PLAN E  
 1/4" = 1'-0"



60 PK-P3 CASEWORK ELEVATION E  
 1/4" = 1'-0"



61 PK-P3 CASEWORK PLAN F  
 1/4" = 1'-0"



62 PK-P3 CASEWORK ELEVATION F  
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63 PK-P3 CASEWORK PLAN G  
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64 PK-P3 CASEWORK ELEVATION G  
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65 PK-P3 CASEWORK PLAN H  
 1/4" = 1'-0"



66 PK-P3 CASEWORK ELEVATION H  
 1/4" = 1'-0"



67 PK-P3 CASEWORK PLAN I  
 1/4" = 1'-0"



68 PK-P3 CASEWORK ELEVATION I  
 1/4" = 1'-0"



69 PK-P3 CASEWORK PLAN J  
 1/4" = 1'-0"



70 PK-P3 CASEWORK ELEVATION J  
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71 PK-P3 CASEWORK PLAN K  
 1/4" = 1'-0"



72 PK-P3 CASEWORK ELEVATION K  
 1/4" = 1'-0"

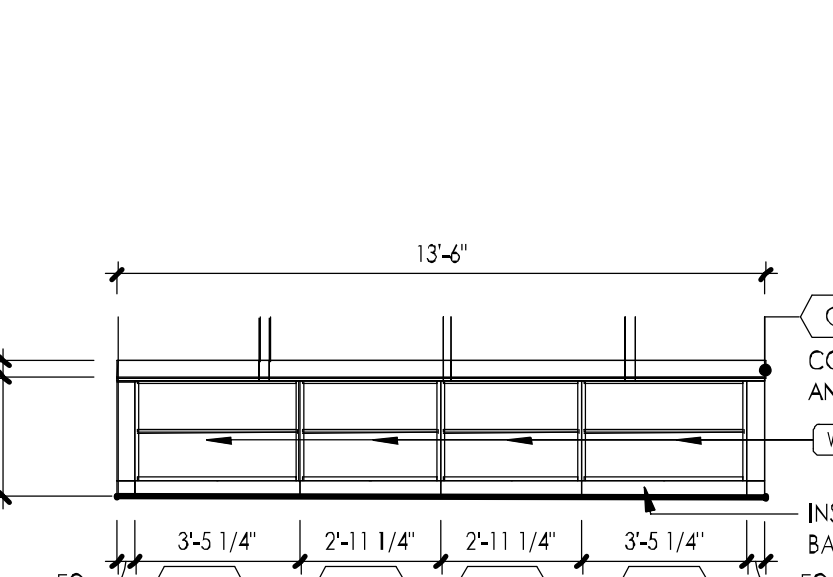


73 PK-P3 CASEWORK PLAN L  
 1/4" = 1'-0"

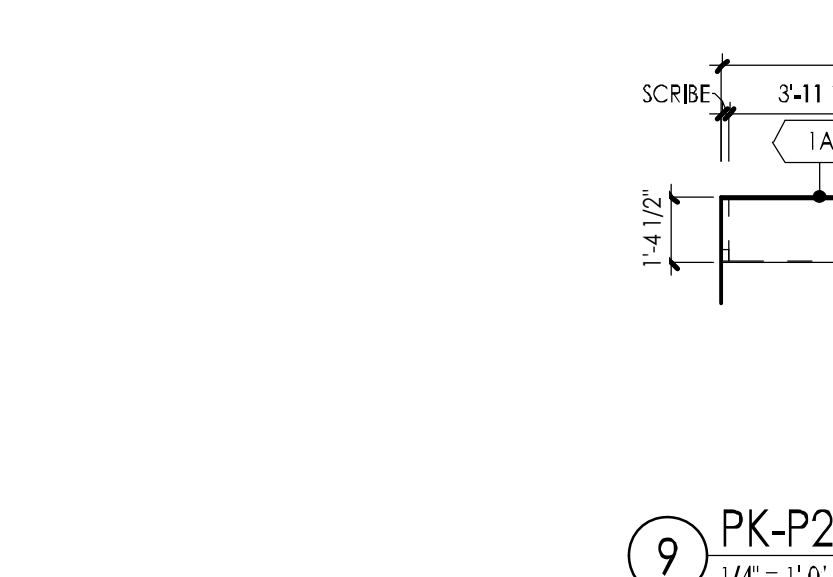


74 PK-P3 CASEWORK ELEVATION L  
 1/4" = 1'-0"

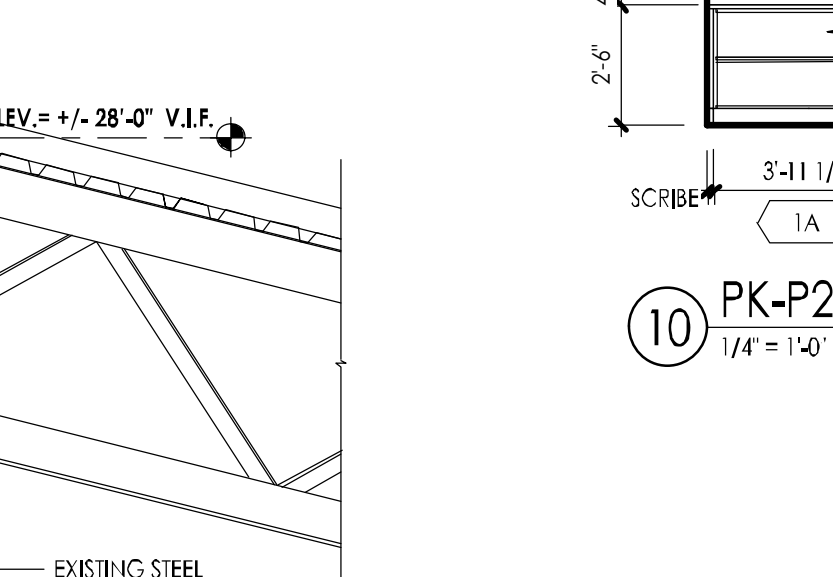
1 PK-P1 CASEWORK PLAN  
 1/4" = 1'-0"



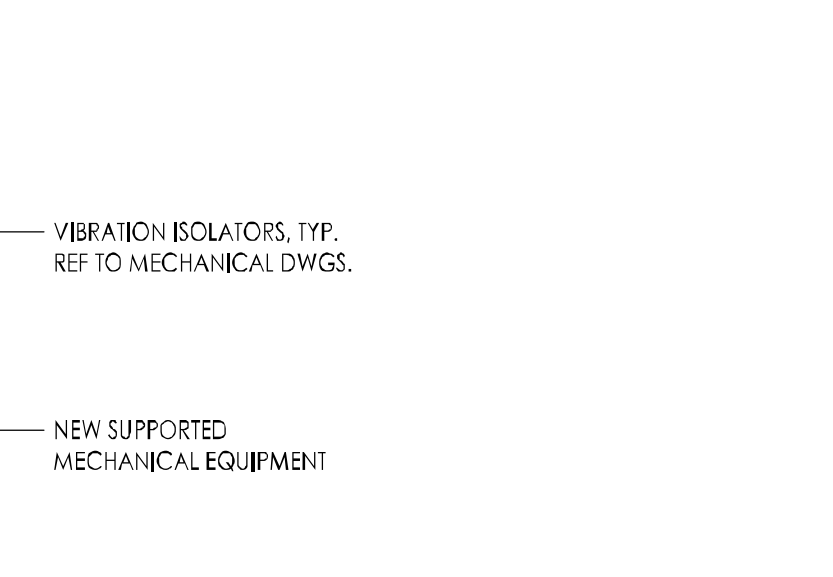
2 PK-P1 CASEWORK ELEVATION  
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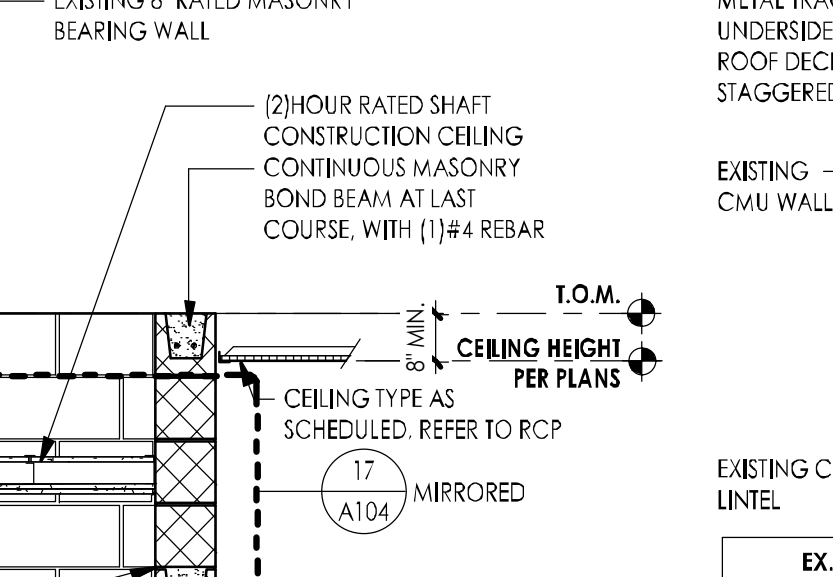
3 TYP. PK-P1, PK-P2, PK-P3 CASEWORK PLAN B  
 1/4" = 1'-0"



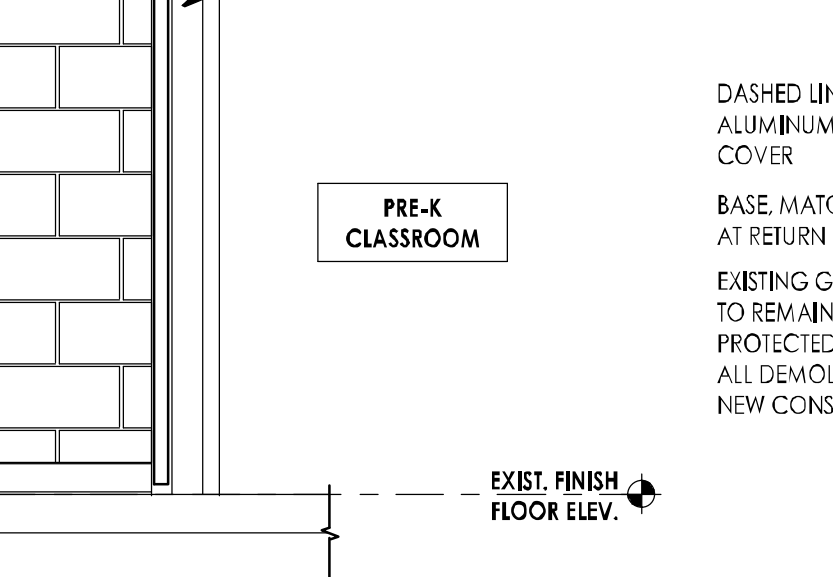
4 TYP. PK-P1, PK-P2, PK-P3 CASEWORK ELEV. B  
 1/4" = 1'-0"



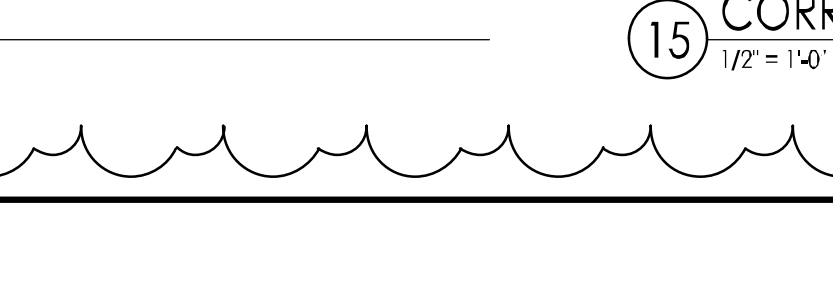
5 MUSIC CLASSROOM MC-1 CASEWORK PLAN A  
 1/4" = 1'-0"



6 MUSIC CLASSROOM MC-1 CASEWORK ELEVATION A  
 1/4" = 1'-0"



7 PK-P2 CASEWORK PLAN C  
 1/4" = 1'-0"



8 PK-P2 CASEWORK ELEVATION C  
 1/4" = 1'-0"



9 PK-P2 CASEWORK PLAN D  
 1/4" = 1'-0"



10 PK-P2 CASEWORK ELEVATION D  
 1/4" = 1'-0"



11 TYP. CASEWORK SECTION (AT BOOKCASES)  
 3/4" = 1'-0"



12 TYP. CASEWORK SECTION A  
 3/4" = 1'-0"



13 TYP. CASEWORK SECTION B  
 3/4" = 1'-0"



14 TYP. CASEWORK SECTION C  
 3/4" = 1'-0"



15 CORRIDOR/ PRE-K WALL SECTION  
 1/2" = 1'-0"



16 CORRIDOR/ EX. GYMNASIUM WALL SECTION  
 1/2" = 1'-0"



17 MUSIC CLASSROOM/ CORRIDOR WALL SECTION  
 1/2" = 1'-0"



18 WALL BASE/ SILL DETAIL  
 1 1/2" = 1'-0"



19 EXPANSION COVER DETAIL  
 1 1/2" = 1'-0"



20 PRIMARY SCHOOL BLDG. KEYPLAN  
 N.T.S.



21 ELEMENTARY SCHOOL BLDG. KEYPLAN  
 N.T.S.



22 CORRIDOR/ PRE-K WALL SECTION  
 1/2" = 1'-0"



23 CORRIDOR/ EX. GYMNASIUM WALL SECTION  
 1/2" = 1'-0"



24 MUSIC CLASSROOM/ CORRIDOR WALL SECTION  
 1/2" = 1'-0"



25 WALL BASE/ SILL DETAIL  
 1 1/2" = 1'-0"



26 EXPANSION COVER DETAIL  
 1 1/2" = 1'-0"



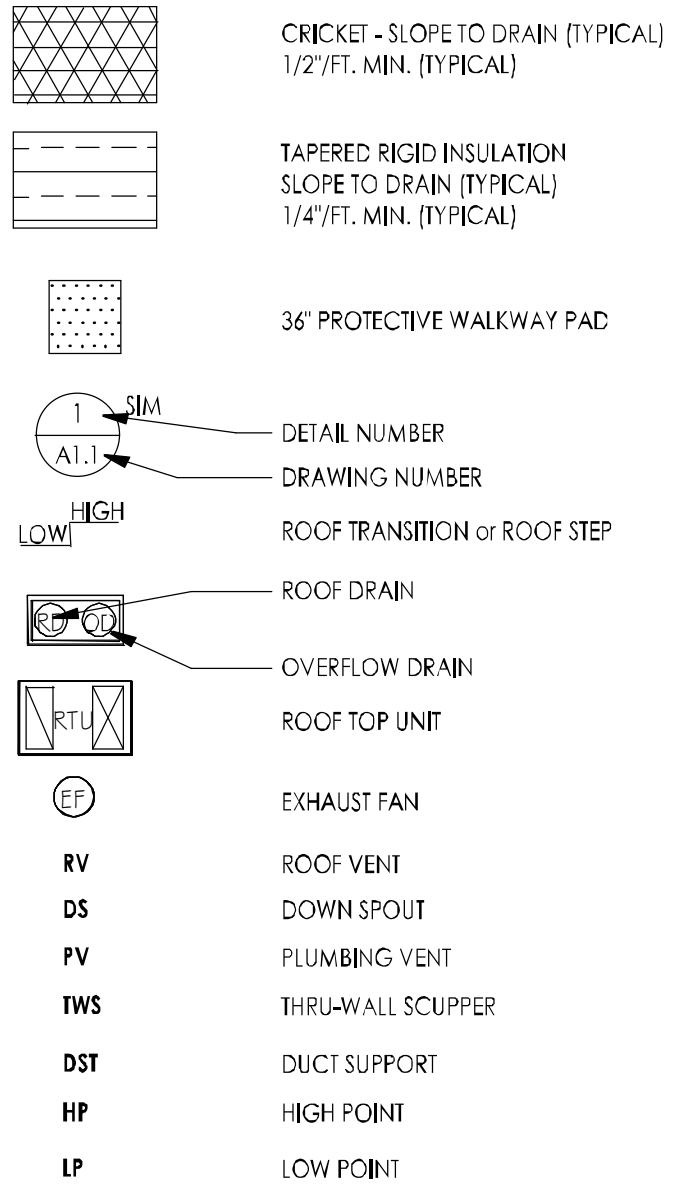
27 PRIMARY SCHOOL BLDG. KEYPLAN  
 N.T.S.



## ROOF WARRANTY NOTES

- THE EXISTING SRS ROOFS ARE UNDER WARRANTY AND CONTRACTOR SHALL PROTECT DURING ALL PHASES OF WORK. CURRENT ROOFING MANUFACTURER WARRANTIES ON FILE INCLUDE BUT ARE NOT LIMITED TO:  
DAYVPORT FS-"GARLAND" WARRANTY No. 09009 (09/2009).  
DAYVPORT FS-"WARRANTY INFORMATION UNKNOWN AT SHINGLE ROOF"  
+6.3 W1.4 X W1.4 W.W.F.
- CONTRACTOR SHALL CONTACT ROOFING MANUFACTURER ("GARLAND") TO INFORM THEM THAT WORK WILL BE PERFORMED ON THE WARRANTED ROOFS AND INITIATE THE MANUFACTURER'S PROCESS FOR DOCUMENTATION THEREOF.
- CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM HIS DEMOLITION CAREFULLY CAUSING NO DAMAGE TO EXISTING MATERIALS TO REMAIN. ANY EXISTING FINISHES OR CONSTRUCTION TO REMAIN DAMAGED BY THE CONTRACTOR WILL BE HIS RESPONSIBILITY TO REPAIR TO THE SATISFACTION OF THE ARCHITECT AT NO ADDITIONAL COST TO OWNER. PRIOR TO THE COMMENCEMENT OF WORK, THE ARCHITECT AND CONTRACTOR WILL INSPECT THE PROJECT SITE AND NOTE ANY EXISTING DAMAGES TO FINISHES OR CONSTRUCTION.
- ALL ROOFING AND FLASHING WORK ON WARRANTED ROOFS SHALL BE PERFORMED BY A ROOFING SUB-CONTRACTOR WHO MUST BE A CERTIFIED "GARLAND" INSTALLER. ALL WORK SHALL BE IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS AND SHALL MAINTAIN THE EXISTING ROOF WARRANTY.

## ROOF LEGEND



## ROOF CONSTRUCTION NOTES

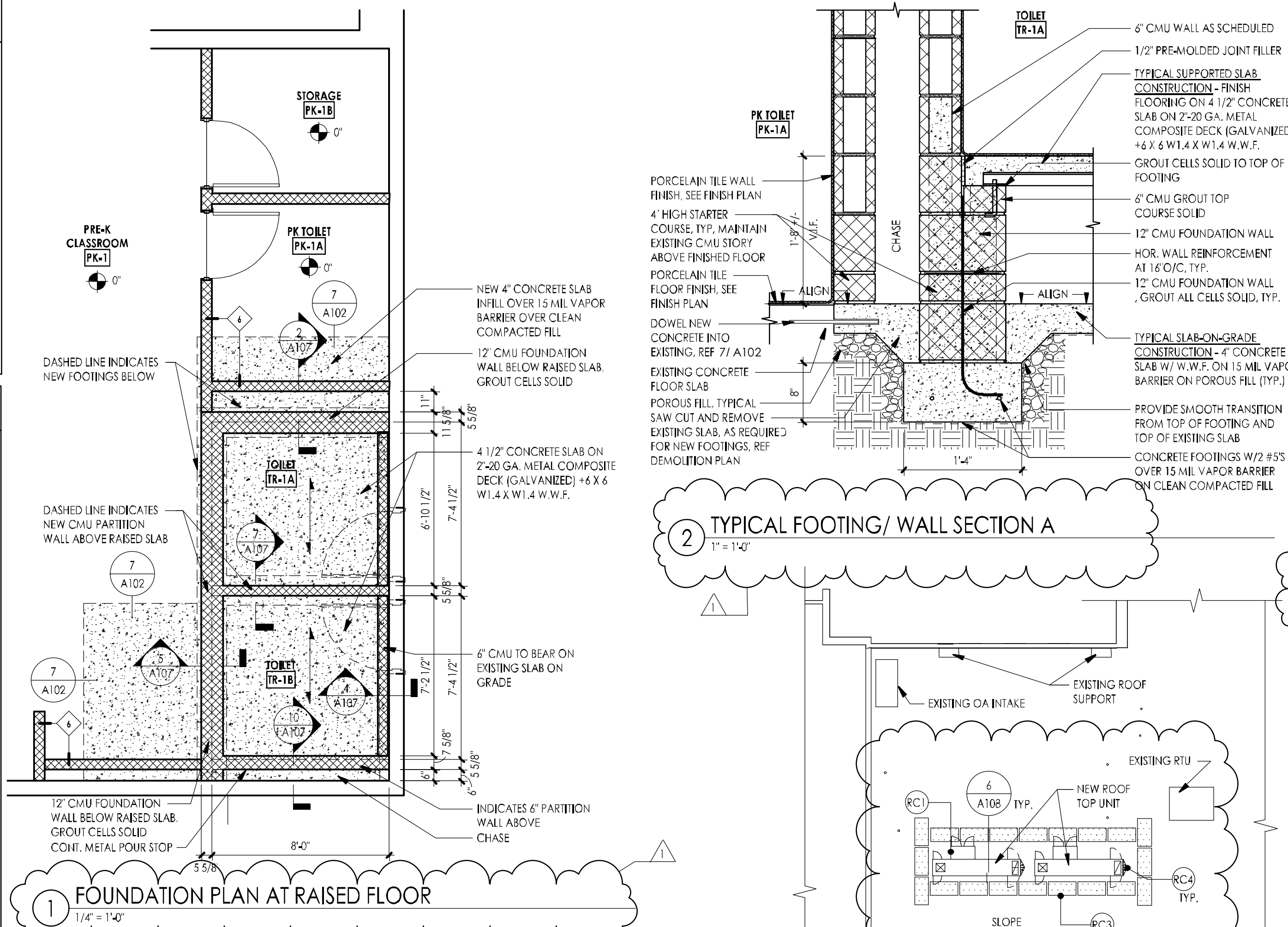
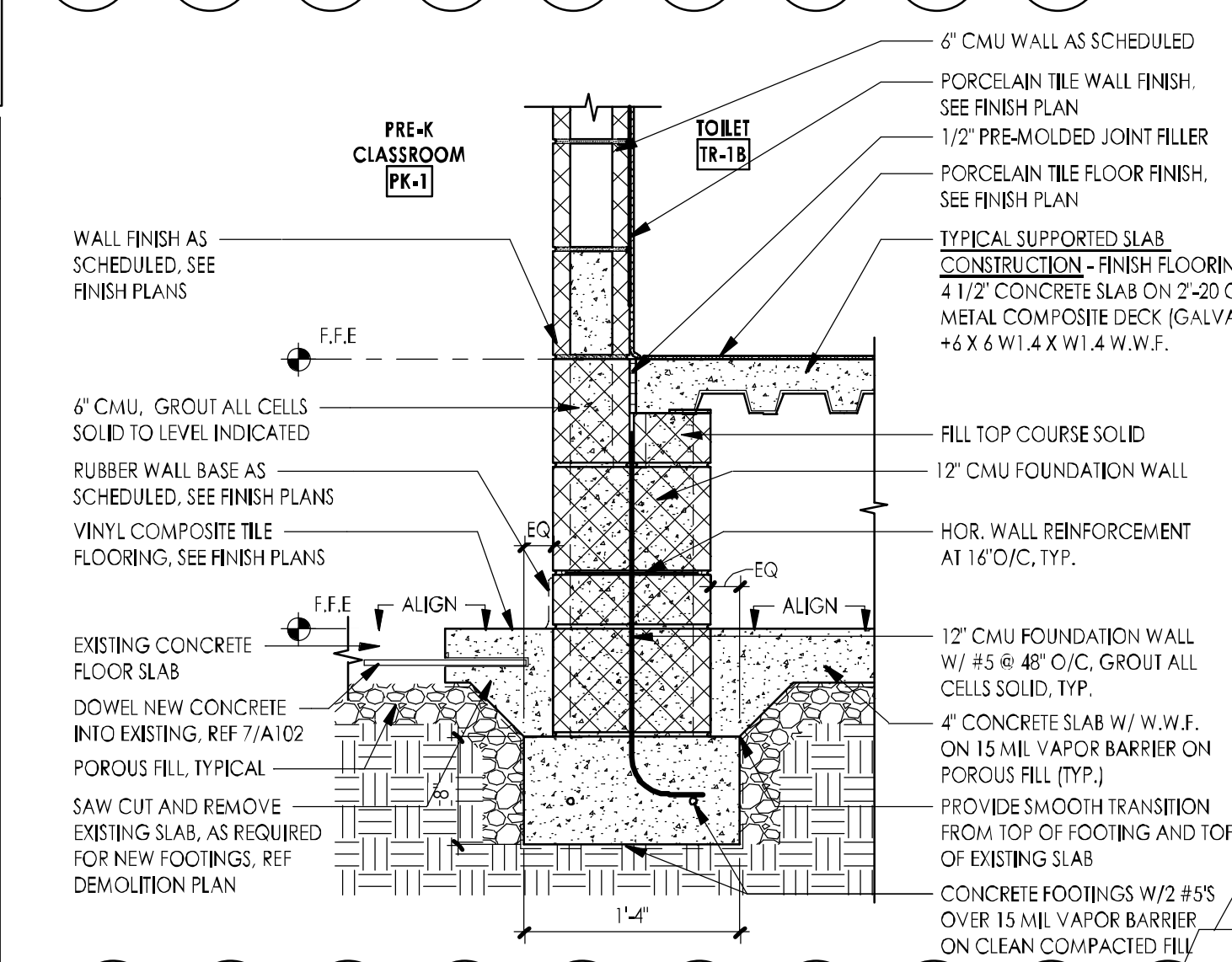
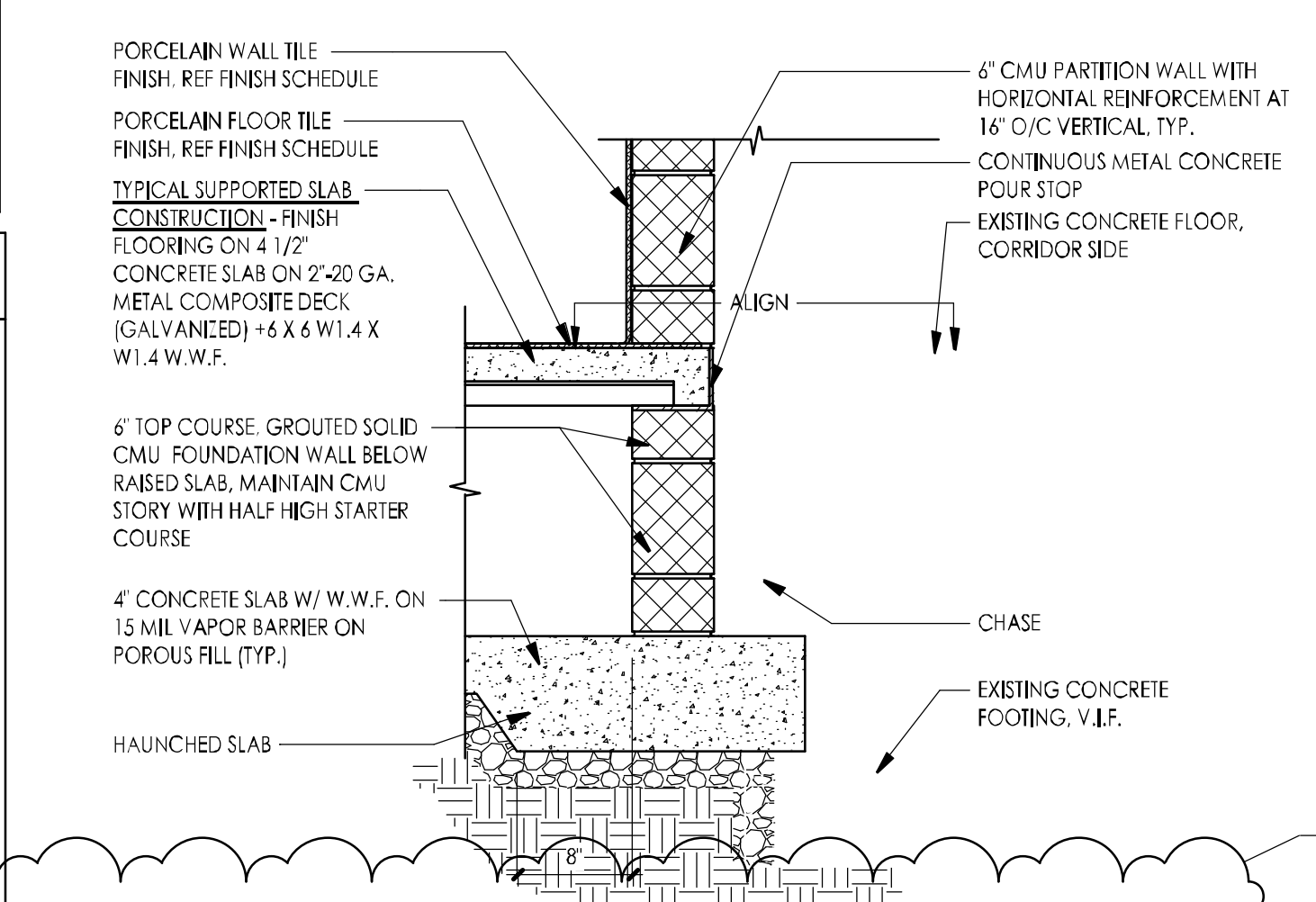
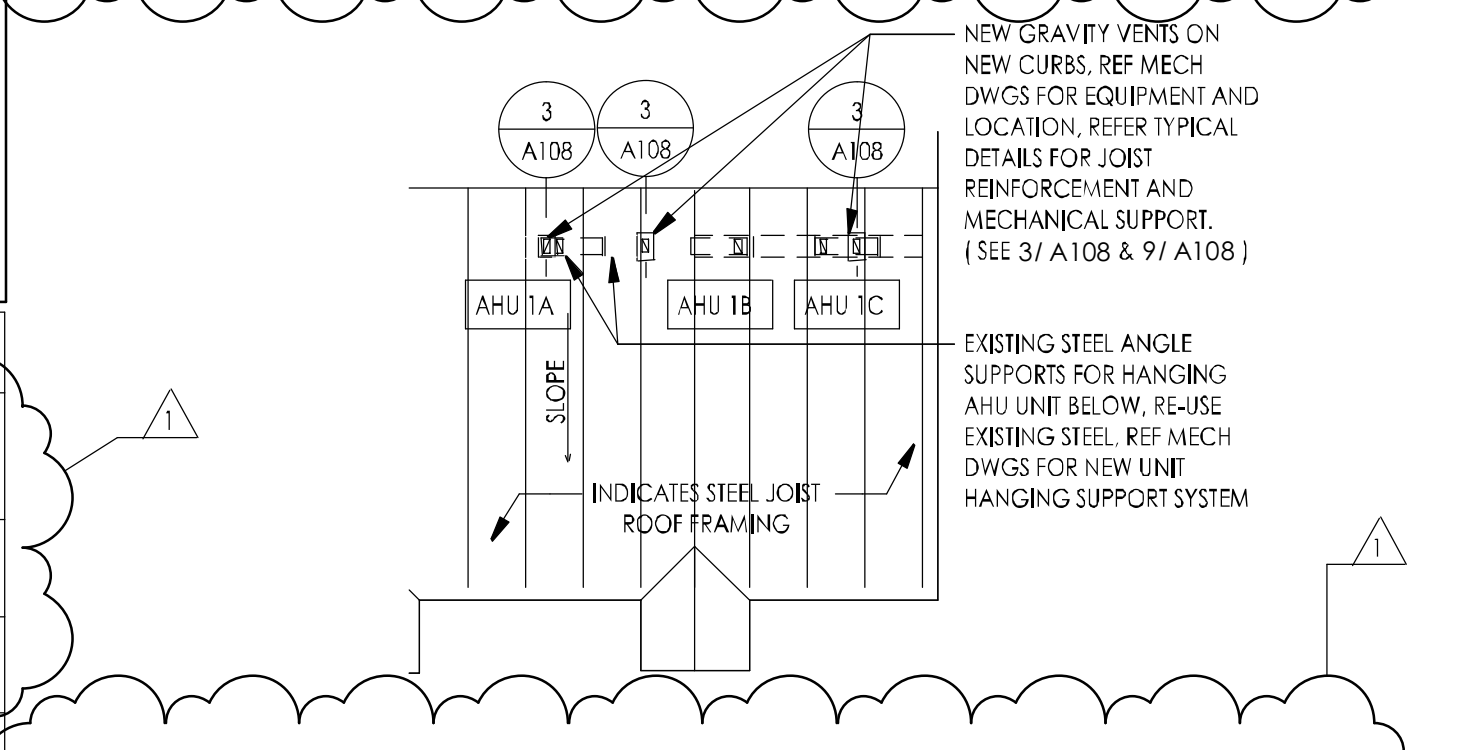
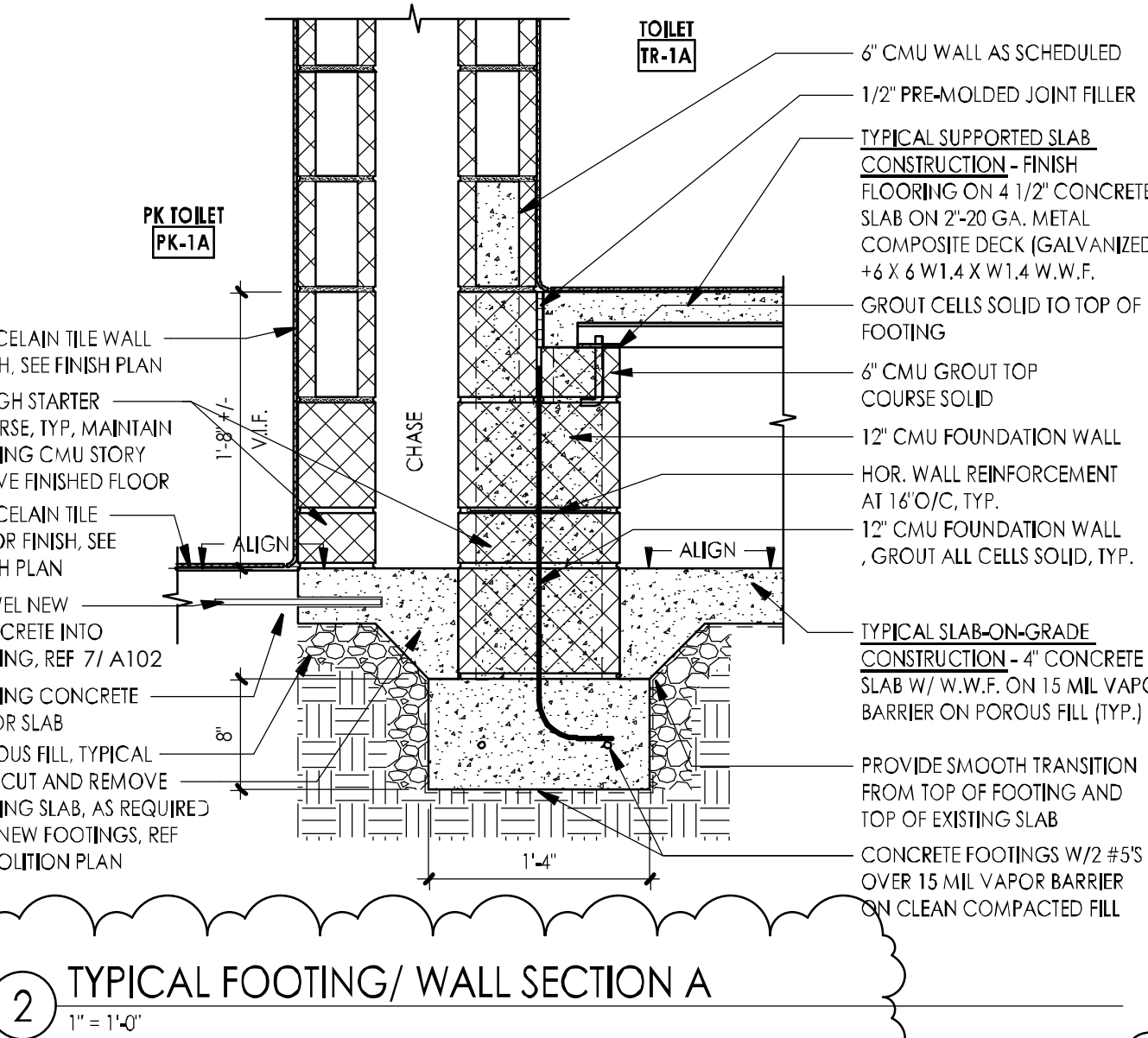
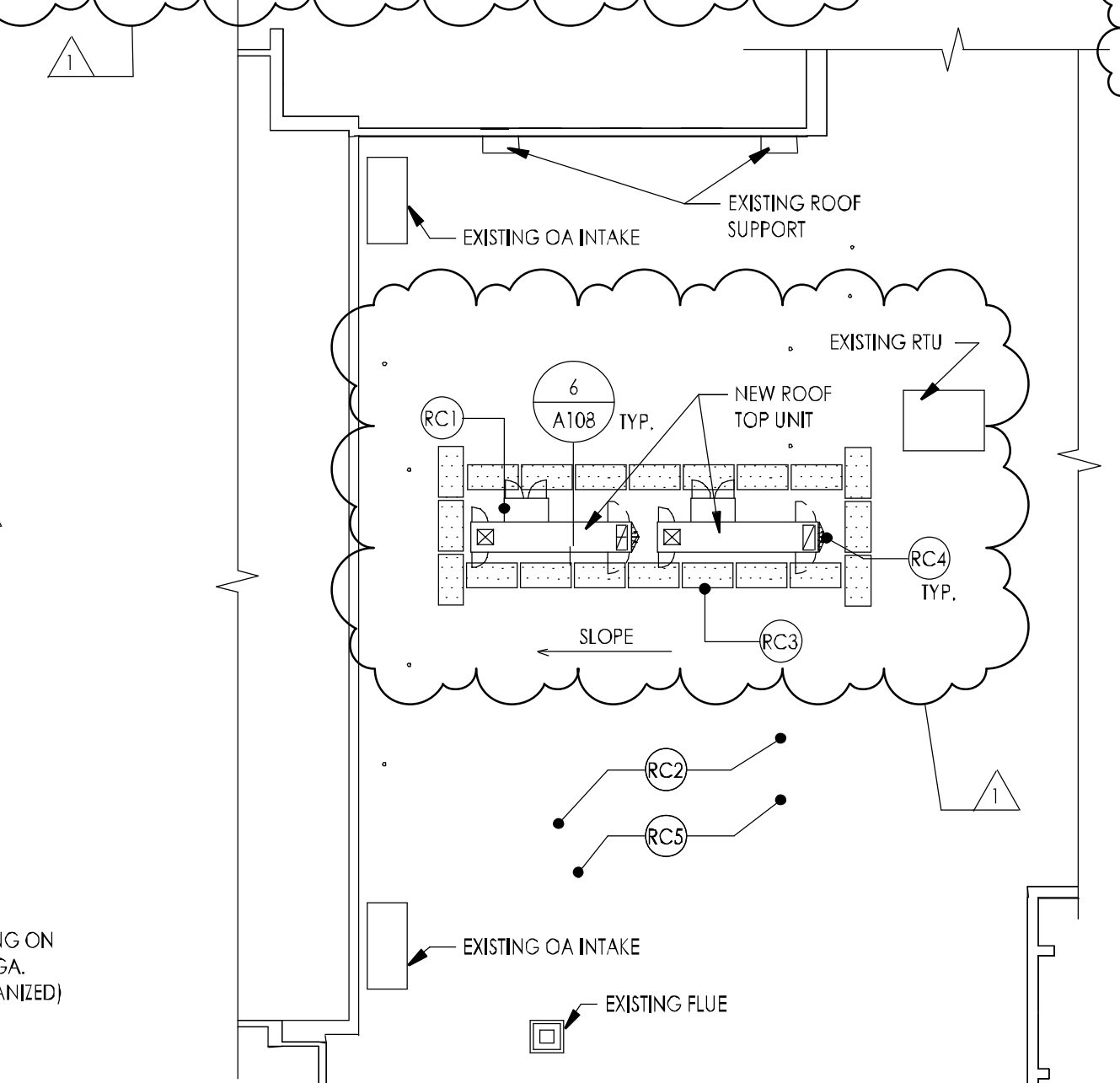
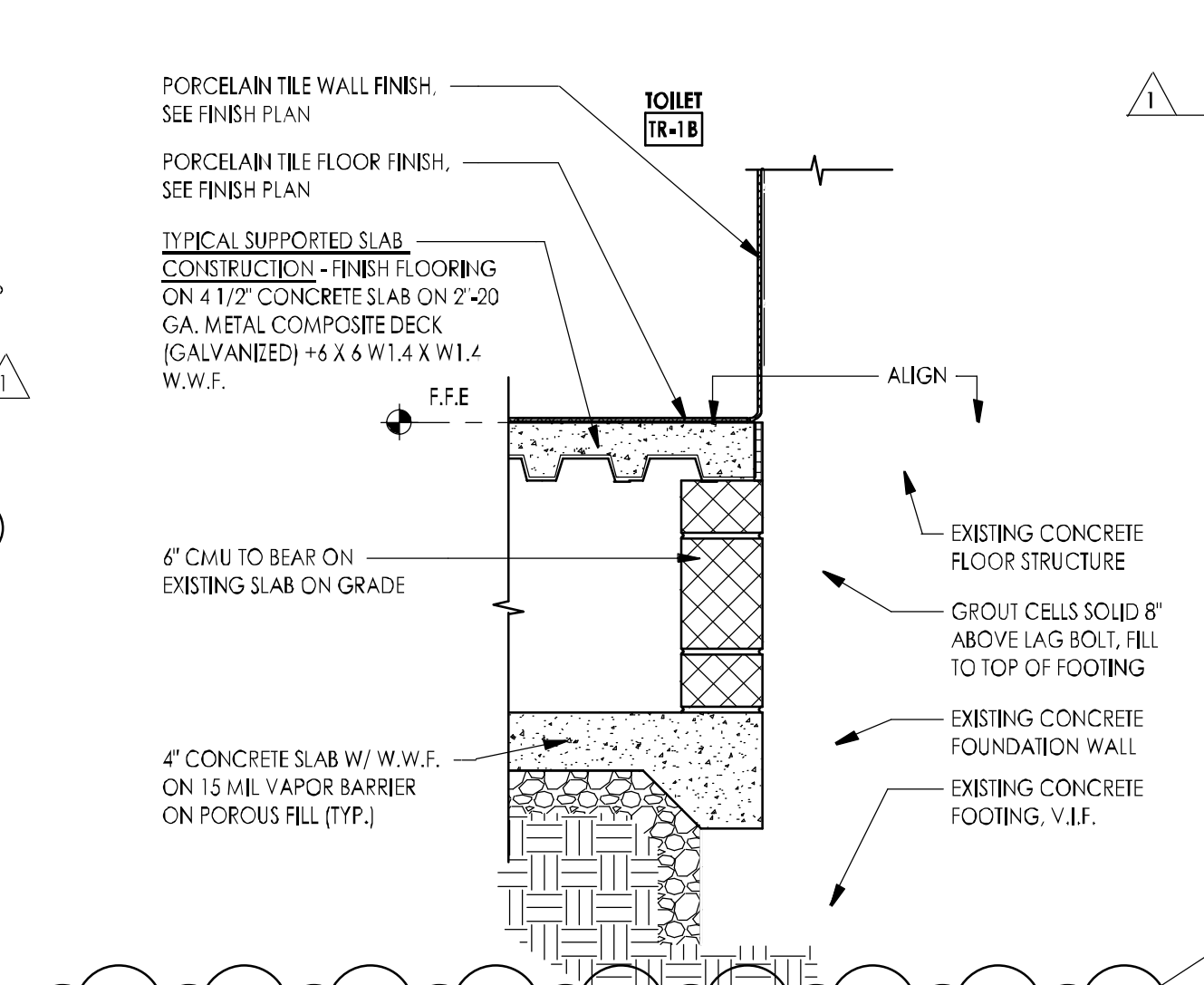
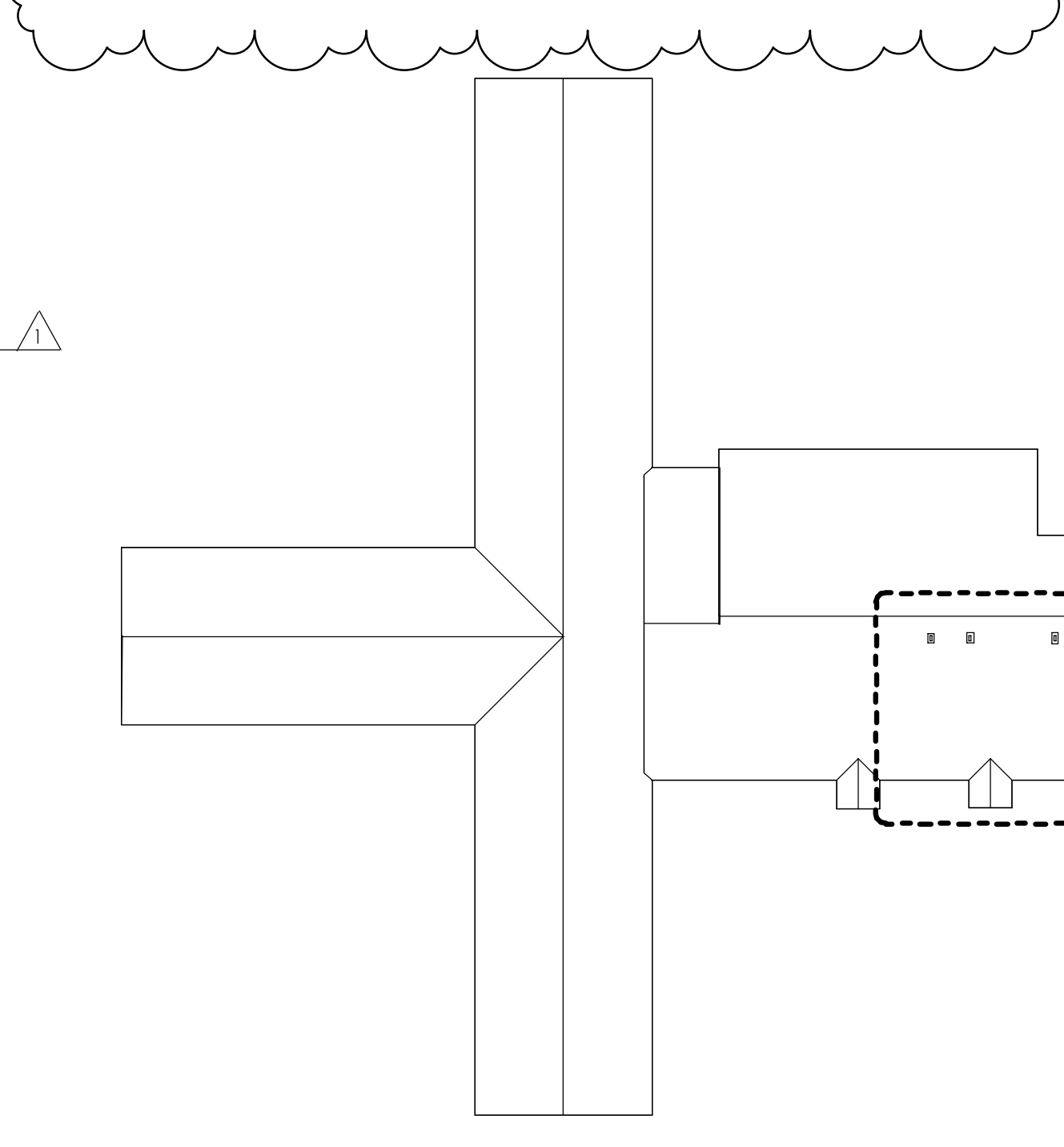
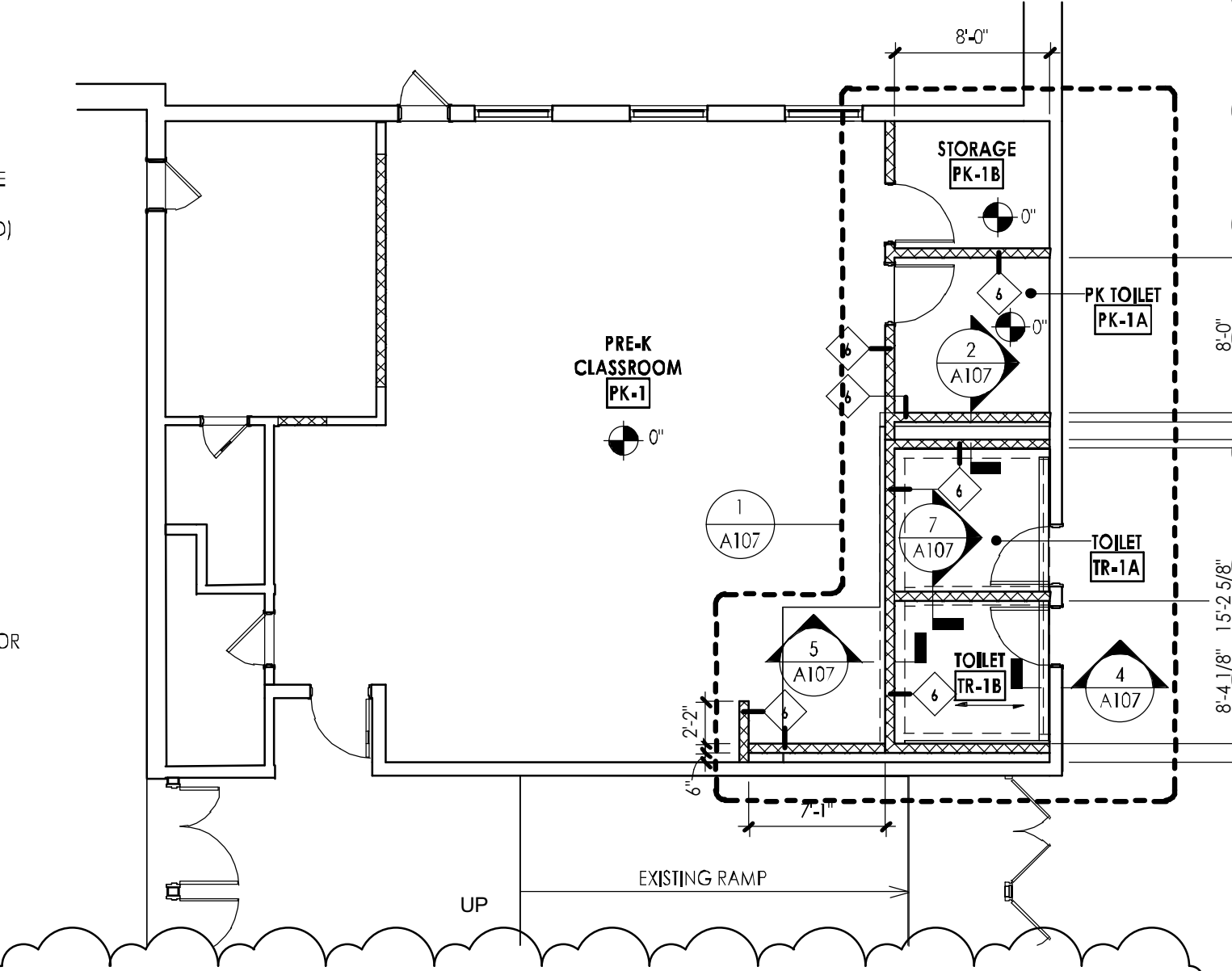
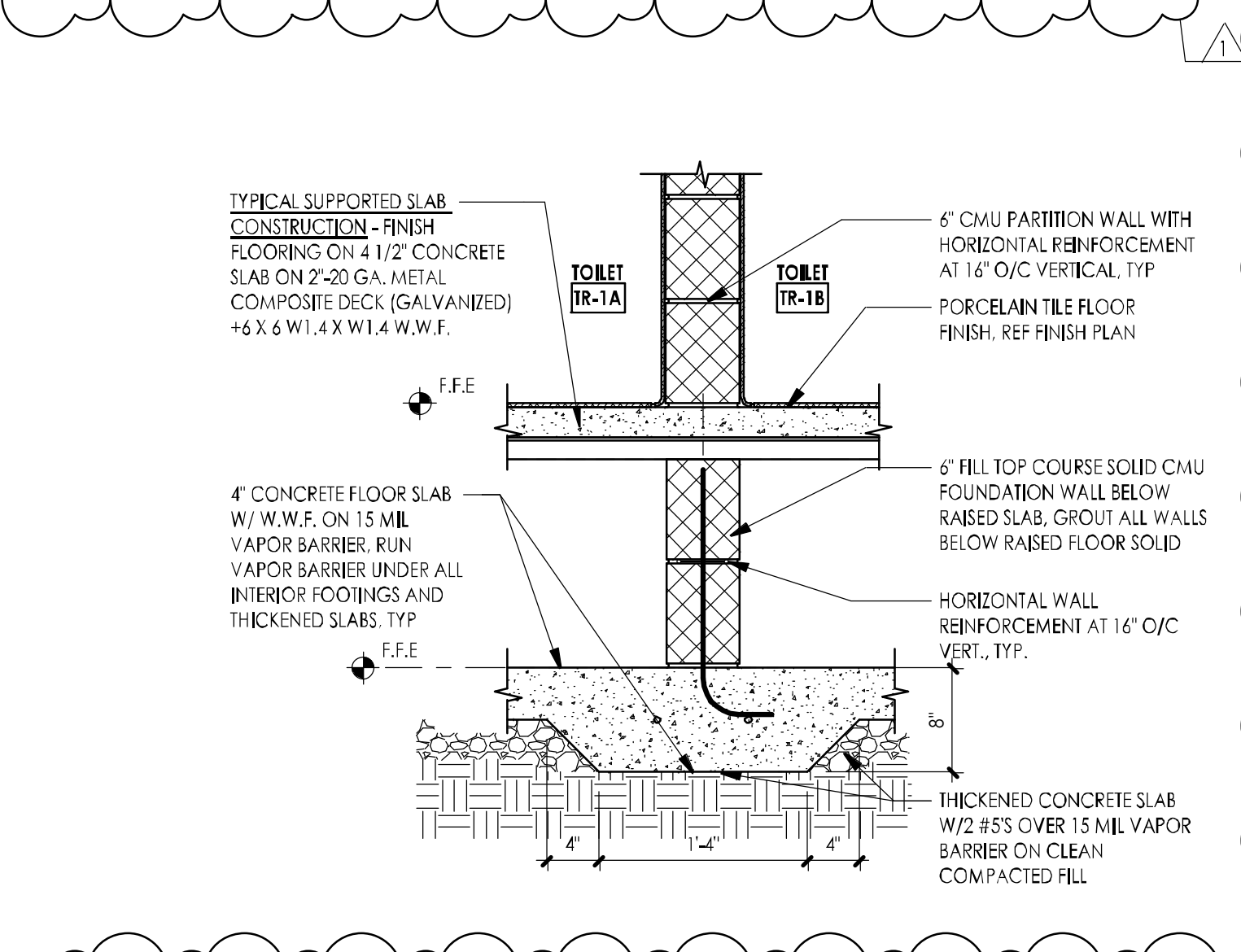
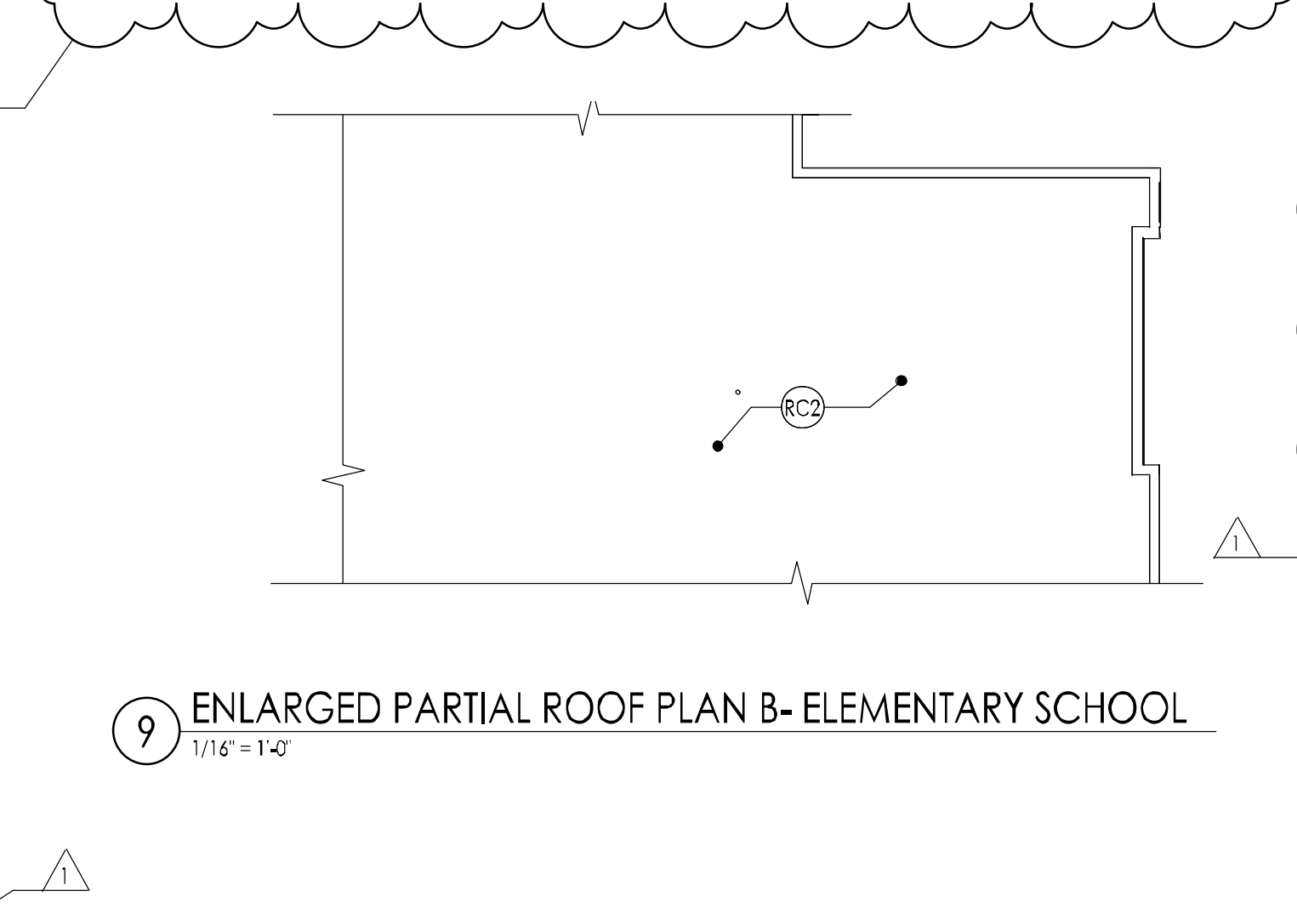
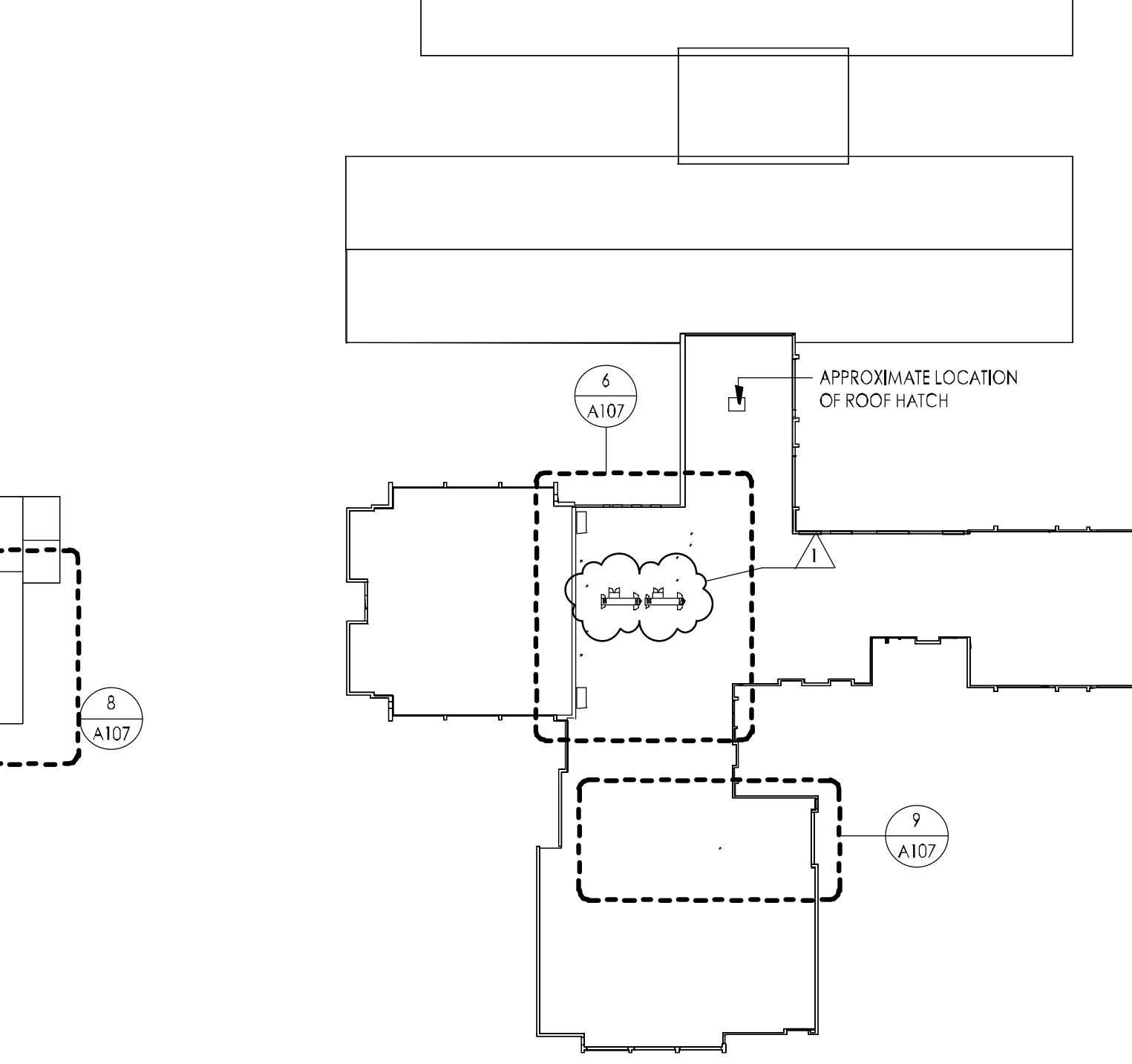
- PROVIDE ROOFING MATERIALS THAT COMPLY WITH A CLASS "A" SYSTEM.
- NEW IMPOSED DEAD LOAD IS EQUAL TO OR LESS THAN EXISTING DEAD LOAD.
- INSTALL WATER DIVERGING CRICKETS ON HIGH SIDE OF ROOF AT ROOFTOP UNIT.
- ALL WORK PERTAINING TO THESE DRAWINGS SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND WITH ALL AGENCIES HAVING JURISDICTION.
- ALL CONDITIONS MEETING THE ROOF SURFACE PERPENDICULAR MUST HAVE A MINIMUM 8" FLASHING HEIGHT.
- ALL LOW SLOPED ROOF AREAS ARE 1/4" PER FOOT IN THE FIELD AND 1/2" PER FOOT AT THE CRICKETS. SLOPE OF CRICKETS IS PERPENDICULAR TO CRICKET VALLEY LINE.
- THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL GOOD ROOFING PRACTICES INCLUDING THOSE SET FORTH BY THE ROOFING MATERIALS MANUFACTURER, THE SHIMCO SHEET METAL MANUAL, FACTORY MUTUAL UNDERWRITERS LABORATORIES, AND THE NRCA'S ROOFING AND WATERPROOFING MANUAL.
- THE ROOFING CONTRACTOR IS RESPONSIBLE FOR FLASHING ALL ROOF TOP PENETRATIONS, UNITS, AND CURBS ON THE ROOFS TO A WATER TIGHT CONDITION TO BE INCLUDED IN THE MANUFACTURER'S WARRANTY. REVIEW ALL DRAWINGS INCLUDED IN THIS SET FOR ROOFTOP PENETRATIONS.
- UNLESS NOTED OTHERWISE ALL ROOFING ACCESSORIES MATERIALS, ETC., SHALL BE CONSIDERED NEW.
- CONTRACTOR SHALL MAKE NECESSARY TIES AND ALTERATIONS TO EXISTING ROOFING IN ACCORDANCE WITH ORIGINAL ROOF MANUFACTURER'S REQUIREMENTS, SO AS TO MAINTAIN ORIGINAL WARRANTY ON EXISTING ROOF.
- ROOFING CONTRACTOR SHALL RETAIN A LICENSED ELECTRICAL SUBCONTRACTOR FOR ALL ELECTRICAL WORK.
- ROOFING CONTRACTOR SHALL RETAIN A LICENSED HVAC SUBCONTRACTOR FOR ALL HVAC WORK.
- ROOFING CONTRACTOR SHALL RETAIN A LICENSED HVAC SUBCONTRACTOR FOR ALL HVAC WORK.
- PRIME ALL SURFACES WHICH ARE TO RECEIVE BITUMINOUS ROOFING.  
D. INSTALL ENVELOPE EDGES TO ELIMINATE THE POTENTIAL FOR BITUMEN AND ADHESIVE DRAINAGE INTO THE BUILDING.  
C. ALL WOOD BLOCKING TO BE FIP, FIRE RETARDANT LUMBER.

## GENERAL ROOF DEMOLITION NOTES

- THE M/E/P CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MECHANICAL AND ELECTRICAL DISCONNECTIONS AND RE-CONNECTIONS REQUIRED FOR THE INSTALLATION OF ALL WORK REQUIRED BY THE DOCUMENTS INCLUDING: REMOVAL PROTECTION AND REINSTALLATION OF ALL EXISTING ROOF MOUNTED EQUIPMENT. IF REQUIRED FOR REINSTALLATION, OBTAIN OR REVISE EXISTING ELECTRICAL CIRCUITS, DUCTWORK, ETC. THE M/E/P CONTRACTOR IS RESPONSIBLE TO NOTIFY AND COORDINATE WITH THE OWNER TO DISCONNECT ALL ELECTRICAL EQUIPMENT PRIOR TO DISCONNECTION AND REMOVAL OF ALL ELECTRICAL AND MECHANICAL EQUIPMENT.
- THE ROOFING CONTRACTOR SHALL BE RESPONSIBLE TO PERFORM DEMOLITION CAREFULLY CAUSING NO DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. ANY DAMAGES MUST BE REPAIRED AND OR REPLACED BY THE ROOFING CONTRACTOR TO THE OWNER'S AND ARCHITECT'S SATISFACTION AND AT NO ADDITIONAL COST TO THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF WORK. THE ROOFING CONTRACTOR IS RESPONSIBLE TO INSPECT AND PHOTOGRAPH EXISTING CONDITIONS WHICH COULD BE MISCONSTRUED AS DAMAGE RESULTING FROM DEMOLITION AND INSTALLATION WORK.
- FOR PURPOSES OF THIS PROJECT, REMOVE SHALL MEAN REMOVE AND DISPOSE OF SAME OFF SITE IN AN APPROVED AND LEGAL MANNER.
- THE ROOFING CONTRACTOR SHALL COORDINATE ALL DUMPSTER STAGING AND TRUCK ROUTES WITH THE OWNER. THE ROOFING CONTRACTOR SHALL PROTECT ALL EXISTING PAVED AND PLANTED AREAS. THE ROOFING CONTRACTOR SHALL REPAIR ANY PAVED OR PLANTED AREAS TO THE SATISFACTION OF THE OWNER. THE REPAIRS ARE TO INCLUDE, BUT ARE NOT LIMITED TO: REPAIRING OF ASPHALT DRIVEWAYS AND PARKING LOTS, REGRADING AND SEEDING OF LAWN AND PLAYGROUND AREAS AND REPLACING DAMAGED PLANTS, SHRUBS, ETC. ALL REPAIRS AND RESTORATIONS SHALL BE DONE AT NO ADDITIONAL COST TO THE CONTRACTOR PRICE.
- THE BUILDING IS OCCUPIED. THE ROOFING CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL MEANS AND METHODS OF CONSTRUCTION AND FOR THE SAFETY OF ALL PERSONS AT THE PROJECT SITE.
- CONTRACTOR TO PROVIDE LETTER TO ROOF MANUFACTURER THAT ROOF TIES ARE PREPARED TO MANUFACTURER'S STANDARDS TO MAINTAIN EXISTING WARRANTY.

## RC - ROOF CONSTR. KEYNOTE LEGEND

- | RC1 | REFERENCE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR EQUIPMENT AND TENS BEING REMOVED AND NEW INSTALLATIONS. EXISTING ROOF OPENING SHALL BE FILLED IN ACCORDANCE WITH DECK INLET DETAIL. 2" DIA. OR THE NEW ROOF SYSTEM SHALL BE REIN AND IN ACCORDANCE WITH MANUFACTURER'S DETAILS AND INSTRUCTIONS. REFERENCE WARRANTY NOTES. |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RC2 | EXISTING ROOF TO REMAIN IS UNDER WARRANTY. INSTALLATION OF ROOFTOP EQUIPMENT IN THE AREAS SHALL BE DONE IN ACCORDANCE WITH THE ROOFING MANUFACTURER'S REQUIREMENTS TO MAINTAIN SAID WARRANTY. TYPICAL: SEE ROOF WARRANTY NOTES SHEET.                                                                                                  |
| RC3 | INSTALL WALKWAY PADS AROUND NEW MECHANICAL UNIT AS INDICATED. MODIFY WALKWAY PADS AS REQUIRED. NOT TO IMPED THE FREE FLOW OF WATER TO THE DRAINAGE POINTS. REFER TO DETAIL 233A.1.                                                                                                                                                     |
| RC4 | FROM WALL OR CHASE, PROVIDE CLEAR PAVED WALKWAY AT A MINIMUM OF 36" WIDE OF ROOFTOP UNIT.                                                                                                                                                                                                                                              |
| RC5 | ROOFTOP EQUIPMENT: ROOFING CONTRACTOR TO PROVIDE TEMPORARY ROOFING IF REQUIRED PRIOR TO UNIT INSTALLATION AND TO PROVIDE PERMANENT WEATHERTIGHTNESS AS REQUIRED AFTER UNITS SUPPORTS, ETC. HAVE BEEN SET.                                                                                                                              |

1 FOUNDATION PLAN AT RAISED FLOOR  
1" = 1'-0"5 TYPICAL FOOTING/ WALL SECTION B  
1" = 1'-0"10 SECTION AT CHASE WALL  
1" = 1'-0"8 ENLARGED PARTIAL ROOF PLAN - PRIMARY SCHOOL  
1" = 3'-0"2 TYPICAL FOOTING/ WALL SECTION A  
1" = 1'-0"6 ENLARGED PARTIAL ROOF PLAN A - ELEMENTARY SCHOOL  
1/16" = 1'-0"4 TYPICAL FLOOR SLAB AT EXISTING WALL  
1" = 1'-0"11 PRIMARY SCHOOL ROOF KEYPLAN  
1" = 6'-0"3 RAISED FLOOR FOUNDATION PLAN (PK-1, TR-1A, TR-1B)  
1/8" = 1'-0"7 FOUNDATION SECTION AT THICKENED SLAB  
1" = 1'-0"9 ENLARGED PARTIAL ROOF PLAN B - ELEMENTARY SCHOOL  
1/16" = 1'-0"12 ELEMENTARY SCHOOL ROOF KEYPLAN  
1" = 6'-0"

## GENERAL FRAMING NOTES

- CAST-IN-PLACE CONCRETE**
- ALL CONCRETE WORK SHALL CONFORM TO THE LATEST EDITION OF THE ACI BUILDING CODE.
  - ALL CONCRETE EXCEPT SLABS ON GRADE, SHALL ATTAIN 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. ALL CONCRETE FOR SLABS ON GRADE SHALL ATTAIN 3500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
  - READY MIX:
    - COMPLY WITH ACI 301, ACI 308 AND ASTM C-94.
    - MAXIMUM TIME BETWEEN INTRODUCTION OF WATER AND PLACING TO BE 1-1/2 HOURS.
    - MINIMUM CEMENT CONTENT SHALL BE 470 POUNDS PER CUBIC YARD FOR 3000 PSI CONCRETE, AND 520 POUNDS PER CUBIC YARD FOR 3500 PSI CONCRETE.
    - MAXIMUM WATER-CEMENT RATIO SHALL BE 0.51 FOR 3000 PSI CONCRETE AND 0.47 FOR 3500 PSI CONCRETE.
    - MAXIMUM SLUMP OF CONCRETE SHALL BE 4 INCHES AS DETERMINED BY ASTM C-445. MAXIMUM SLUMP OF CONCRETE SHALL BE 3 INCHES AND 8" AFTER ADDITION OF HRW TO STE VERIFIED 3" SLUMP FOR CONCRETE CONTAINING HRW ADMIXTURE AS DETERMINED BY ASTM C-445.
    - ALL CONCRETE EXPOSED TO THE GROUND OR WEATHER SHALL BE AIR ENTRAINED BETWEEN 4-5% AS DETERMINED BY ASTM C-431 OR C-773.
    - DO NOT LOAD TRUCKS ABOVE RATED CAPACITY.
    - HIGH-RANGE WATER-REDUCING ADMIXTURE (SUPER PLASTICIZER) SHALL CONFORM TO ASTM C-494, TYPE F OR G AND CONTAIN NOT MORE THAN 0.1 PERCENT CHLORIDE IONS.
    - COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI-308.
    - PREPARE CONCRETE TEST CYLINDERS FROM EACH DAY'S POUR. CYLINDERS SHALL BE PROPERLY CURED, STORED AND TESTED. SUBMIT RESULTS TO ARCHITECT.
    - THROUGHOUT CONSTRUCTION THE CONCRETE WORK SHALL BE ADEQUATELY PROTECTED AGAINST DAMAGE DUE TO EXCESSIVE LOADING, CONSTRUCTION EQUIPMENT, MATERIALS OR METHODS, ICE, RAIN, SNOW, EXCESSIVE HEAT AND FREEZING TEMPERATURES.
    - EARLY DRYING OUT OF CONCRETE, ESPECIALLY DURING THE FIRST 24 HOURS, SHALL BE CAREFULLY GUARDED AGAINST. ALL SURFACES SHALL BE MOIST CURED OR PROTECTED USING A MEMBRANE CURING AGENT APPLIED AS SOON AS FORMS ARE REMOVED. IF MEMBRANE CURING AGENT IS USED, EXERCISE CARE NOT TO DAMAGE COATING.
    - BEFORE BACK WELDING, CUTTING OR SUBSTITUTING REINFORCING OTHER THAN AS SHOWN ON THE CONTRACT DRAWING IS PROHIBITED UNLESS SPECIFIC APPROVAL FOR EACH CASE IS GIVEN BY ARCHITECT.
    - CONCRETE SHALL BE CONVEYED, PLACED AND FINISHED IN A WORKMANLIKE MANNER.
    - PRIOR TO WELDING REPAIRS, CONTRACTOR SHALL OBTAIN PERMISSION FROM ARCHITECT TO MAKE PATCHES FOR OTHER THAN MINOR HOLES/COMINGS.
    - ALL MATERIALS SHALL BE STORED TO PROTECT THEM AGAINST THE ELEMENTS.

- REINFORCING**
- ALL REINFORCING BAR DETAILS SHALL CONFORM TO THE LATEST ACI CODE AND DETAILING MANUAL.
  - ALL BARS SHALL BE ASTM A-615, GRADE 60.
  - WELDED WIRE FABRIC SHALL BE ASTM A-615.
  - SYNTHETIC FIBER REINFORCEMENT SHALL BE EQUAL TO FIBERGLASS 100 BY EUCOD CHEMICAL COMPANY.
  - PROVIDE AND SCHEDULE WITH THE SHOP DRAWINGS ALL NECESSARY ACCESSORIES TO HOLD REINFORCING SECURELY IN POSITION.
  - EARLY DRYING OUT OF CONCRETE, ESPECIALLY DURING THE FIRST 24 HOURS, SHALL BE CAREFULLY GUARDED AGAINST. ALL SURFACES SHALL BE MOIST CURED OR PROTECTED USING A MEMBRANE CURING AGENT APPLIED AS SOON AS FORMS ARE REMOVED. IF MEMBRANE CURING AGENT IS USED, EXERCISE CARE NOT TO DAMAGE COATING.
  - CLEARANCE OF MAIN REINFORCING FROM ADJACENT SURFACES UNLESS SHOWN OTHERWISE SHALL BE:
    - UNFORMED SURFACES IN CONTACT WITH GROUND OR EXPOSED TO THE WEATHER: 3"
    - BOTTOM SURFACES OF SLABS ON GRADE: 3"
    - FORMED SURFACES IN CONTACT WITH GROUND OR EXPOSED TO WEATHER:
      - 5 BARS OR SMALLER: 1-1/2"
      - 2 BARS LARGER THAN #5: 2"
      - EXTEND WALL SURFACES: 2"
    - IN ALL CASES NOT LESS THAN THE DIAMETER OF THE BAR.
  - ALL REINFORCEMENT SHALL BE INSPECTED AND APPROVED BEFORE CONCRETE IS POURED.
  - TOLERANCES FOR PLACING REINFORCING SHALL BE:
    - FOR 1/4 INCH FOR MEMBERS WITH AN EFFECTIVE DEPTH OF 24 INCHES OR LESS.
    - FOR 1/2 INCH FOR MEMBERS WITH AN EFFECTIVE DEPTH OF MORE THAN 24 INCHES.
  - WHERE CONTINUOUS BARS ARE CALLED FOR, THEY SHALL BE RUN CONTINUOUSLY AROUND CORNERS AND LAPPED AT NECESSARY SPICES OR HOOKED AT DISCONTINUOUS ENDS. LAPS SHALL BE 40 BAR DIAMETERS. BAR LAPS MAY BE OFFSET TO AVOID CONTROL OR CONSTRUCTION JOINTS.
  - PROVIDE #5 TOP AND BOTTOM IN SLABS AND #5 EACH FACE IN WALLS AT ALL FOUR SIDES OF AN OPENING, UNLESS OTHERWISE NOTED. EXTEND BARS 2'-0" BEYOND OPENING OR HOOK WHERE 2'-0" NOT POSSIBLE.
  - ELECTRICAL CONTRACTOR TO PROVIDE GROUNDING ELECTRODE SYSTEM AS REQUIRED BY NEC SECTION 250-52(A). COORDINATE LOCATION AND SCHEDULE WITH GENERAL CONTRACTOR.

- STRUCTURAL STEEL**
- ALL STRUCTURAL STEEL DETAILS SHALL BE DESIGNED IN ACCORDANCE WITH THE LATEST ISSUE OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN".
  - CONNECTIONS SHALL BE DESIGNED TO DEVELOP THE FULL STRENGTH OF THE MEMBER OVER THE REQUIRED SPAN.
  - PROVIDE DOUBLE ANGLE CONNECTIONS AT ALL BEAM TO WIDE FLANGE COLUMN AND BEAM TO BEAM CONNECTIONS WHENEVER POSSIBLE. THE STEEL FABRICATOR MUST NOTIFY THE STRUCTURAL ENGINEER IF THERE ARE TO BE ANY CHANGES. SEE TYPICAL THRUPLATE DETAIL FOR BEAM TO TUBE COLUMN CONNECTIONS.
  - FIELD CONNECTIONS SHALL BE MADE BY HIGH STRENGTH BOLTS 3/4" MINIMUM IN DIAMETER OR WELDED AS SHOWN ON DRAWINGS.
  - HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A BOLT TENSION NOT LESS THAN THE PROOF LOAD GIVEN IN ASTM A-325 SPECIFICATIONS.
  - WELDING SHALL BE DONE IN CONFORMITY WITH THE LATEST CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY. ALL WELDS SHALL DEVELOP THE FULL STRENGTH OF THE MATERIAL BEING WELDED, UNLESS OTHERWISE NOTED.
  - ALL STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF PAINT EXCEPT CONTACT SURFACES, WITHIN 4 INCHES OF FIELD WELDS.
  - ALL STRUCTURAL STEEL SHALL BE ACCURATELY SET AND PROPERLY HELD IN POSITION WITH SUITABLE TEMPORARY BRACES AND STAYS UNTIL PERMANENTLY SECURED. THE BUILDING SHALL BE TRUE AND PLUMB BEFORE CONNECTIONS MAY BE FINALLY WELDED OR BOLTED.
  - SHOP DRAWINGS OF ALL STRUCTURAL STEEL SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL.
  - ALL PIPE SHAPES SHALL BE ASTM A53, GRADE B, 1/4" - 3/8".
  - ALL TUBES SHAPES SHALL BE ASTM A501, GRADE B, 1/4" - 4" O.D.
  - ALL STRUCTURAL WIDE FLANGE SHAPES TO BE ASTM A992/A572, GRADE 50.
  - ALL STEEL PLATES, ANGLES, CHANNELS ARE TO BE ASTM A36 UNLESS INDICATED OTHERWISE.

- STEEL FLOOR DECK**
- DECK SHALL BE 30 GAGE GALVANIZED EQUAL TO 2" LOK-FLOOR BY ROOF DECK, INC. OR 3-603 BY CANAM STEEL WITH RESPECT TO LOAD CARRYING CAPACITY, DEFLECTION, SLAB WEIGHT AND ULL LABEL. SUBMIT DATA TO STRUCTURAL ENGINEER.
  - DECK SHALL BE 20 GAGE MINIMUM.
  - DECK INSTALLATION TO BE IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - ALL BEAMS TO HAVE PIERCEMENT WELDED AT 1/2" O.C. (MAX).
  - INSTALLATION TO BE 2 SPAN CONTINUOUS.
  - FLOOR CONSTRUCTION IS UNHOLD COMPOSITE DESIGN. THE STEEL WILL DEFLECT UNDER THE WEIGHT OF THE CONCRETE PLACED. THE GENERAL CONTRACTOR IS TO POUR SUFFICIENT CONCRETE, OVER AND ABOVE THE SPECIFIED DEPTH, TO PROVIDE A LEVEL FLOOR.

- MASONRY**
- ALL BLOCK WORK SHALL BE IN ACCORDANCE WITH BC2021 W/ NJ MODIFICATION AND OTHER APPLICABLE CODES.
  - ALL BLOCK SHALL BE LIGHTEST WEIGHT AGGREGATE AND CONFORM TO ASTM C-90.
  - MORTAR SHALL BE ASTM C-270, TYPE M FOR BELOW GRADE AND TYPE M OR S FOR ABOVE GRADE WORK.
  - HORIZONTAL REINFORCING SHALL BE NO. 9 GAGE "BURR-O-WALL" OR EQUIVALENT. PROVIDE FABRICATED CORNER SECTIONS AT ALL CORNERS, WHERE MASONRY IS Laid IN OTHER THAN RUNNING BOND. HORIZONTAL JOINT REINFORCEMENT IS TO BE PROVIDED AT EVERY HORIZONTAL JOINT.
  - WHERE BLOCK FILL IS CALLED FOR ON DRAWINGS, USE TYPE M MORTAR OR CONCRETE WITH A COMPRESSIVE STRENGTH OF 2500 PSI IN ACCORDANCE WITH ASTM C-476 AND INSTALLED IN ACCORDANCE WITH ACI-308 FOR HIGH OR LOW LIFT PROCEDURES.
  - COORDINATE MASONRY WITH ALL TRADES REQUIRING ITEMS TO BE BUILT IN.

## LOOSE LINTEL SCHEDULE

(FOR 4", 8", 12", &amp; 16" WALLS)

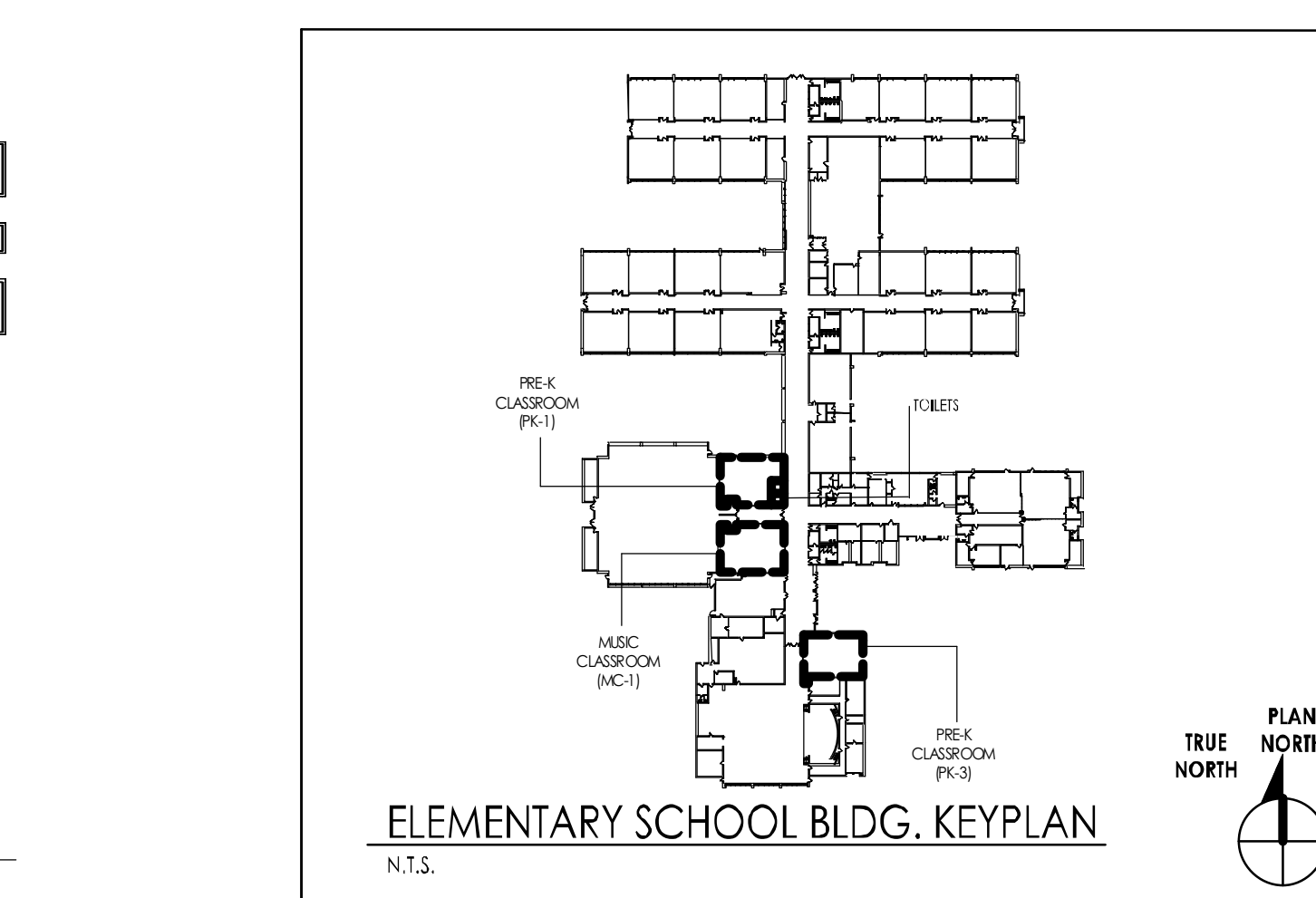
MASONRY OPENING	LINTEL SIZE	REMARKS
UP TO 4'-0"	L-3 1/2" x 3 1/2" x 1'-4"	
4'-1" TO 6'-0"	L-5' x 3 1/2" x 5'-6"	
6'-1" TO 8'-0"	L-6' x 3 1/2" x 5'-6"	
OVER 8'-0"	W 8' x 18' x PLATE	

(FOR 6" WALLS)

MASONRY OPENING	LINTEL SIZE	REMARKS
2'-0" TO 6'-0"	WT 7 x 11	
6'-1" TO 8'-0"	WT 8 x 13	

## NOTES:

- PROVIDE ONE (1) ANGLE FOR EACH 4' OF MASONRY WIDTH.
- BEAR LINTELS 6" MINIMUM EACH SIDE OF OPENING.
- ALL LINTELS IN EXTERIOR WALLS TO BE GALVANIZED.
- WHERE OPENINGS LOCATED NEXT TO COLUMNS OR BEAMS, ATTACH TO STRUCTURAL STEEL, CONNECTION NOT TO PORTRUE INTO OPENING.
- CONSULT ARCHITECTURAL, MECHANICAL, & ELECTRICAL DRAWINGS FOR OPENING SIZE & LOCATION.
- UNLESS OTHERWISE SPECIFIED ON DRAWINGS PROVIDE & INSTALL LINTELS FOR ALL SQUARE HEAD MASONRY OPENINGS IN ALL MASONRY WALLS IN ACCORDANCE WITH THE FOLLOWING SCHEDULES & COMMENTS.

ELEMENTARY SCHOOL BLDG. KEYPLAN  
N.T.S.

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JASON DUBOWITZ, AIA  
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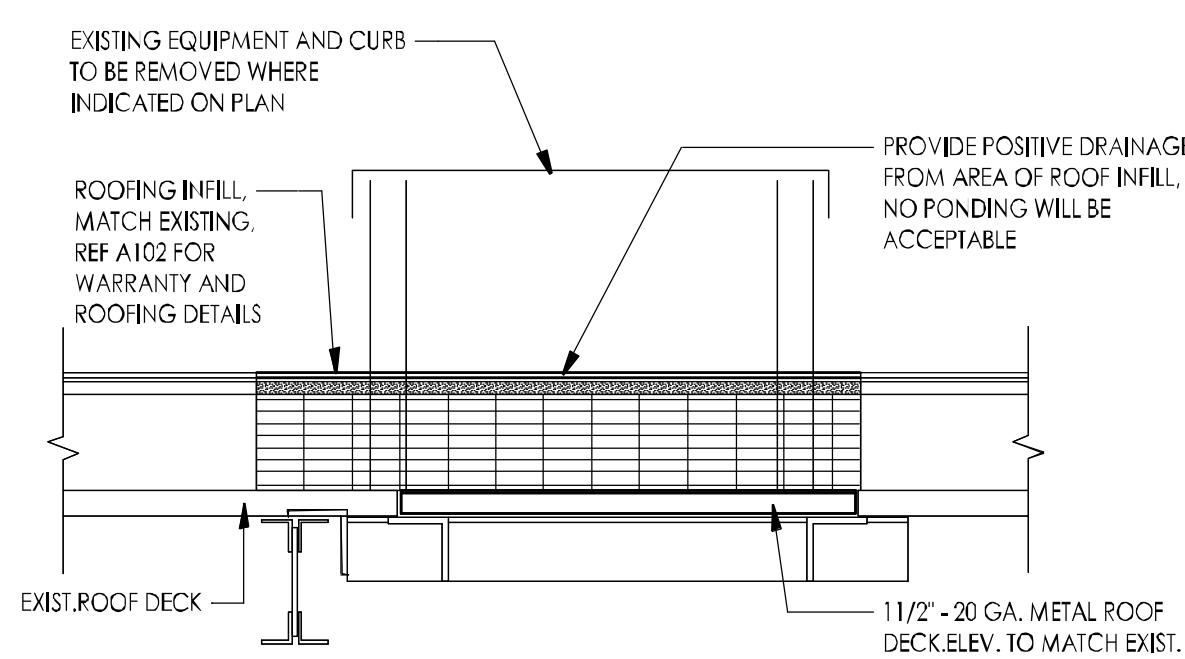
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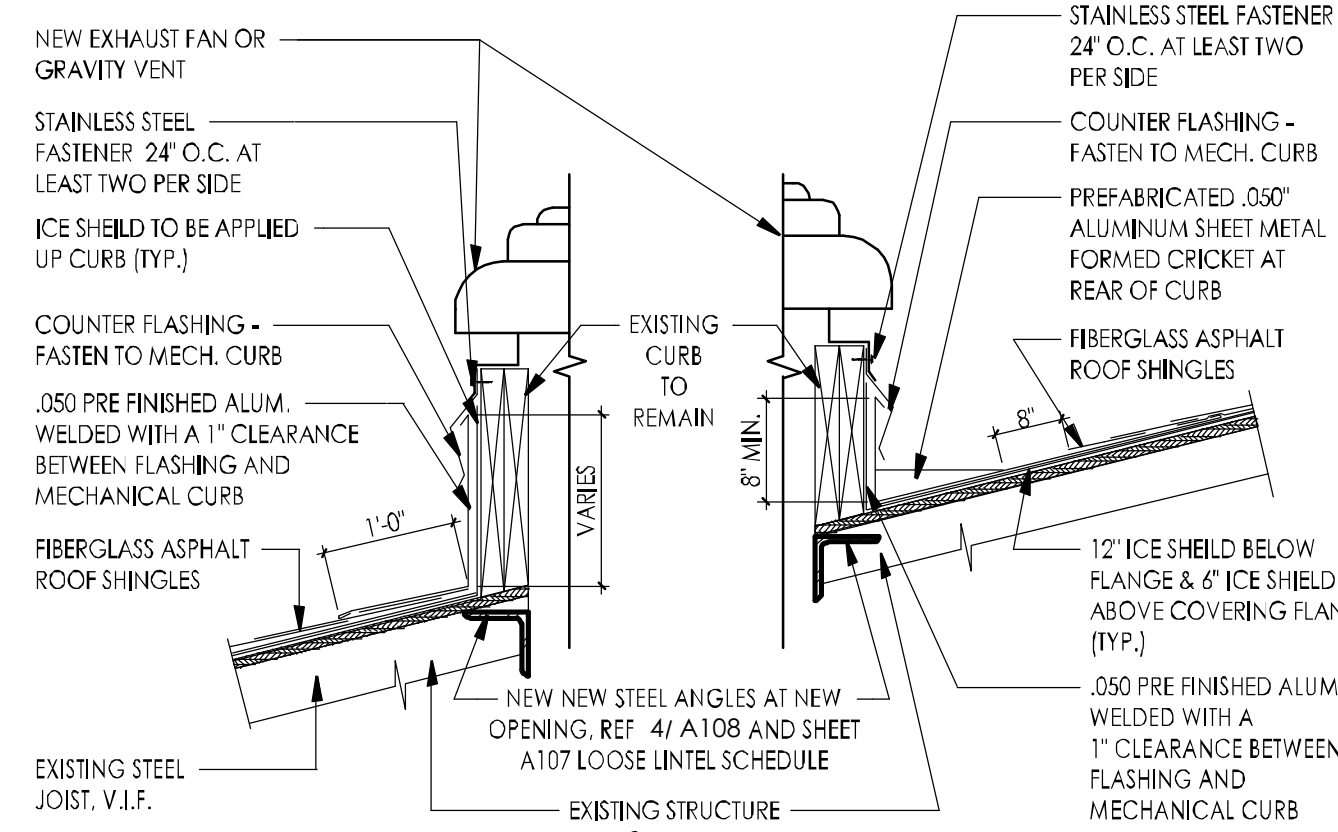




- NOTES:**
1. PROVIDE 1" - 20 GA. TYPE 'B' (WIDE RIB) METAL ROOF DECK (GALV) INFILL + INSULATION TO MATCH EXIST. ROOF ELEV. @ EXISTING OPENING. PROVIDE MINIMUM 2" BEARING FOR NEW DECK.
  2. PROVIDE TEK SCREW FASTENERS @ EACH DECK FLUTE.
  3. IF EXISTING CONDITIONS DIFFER FROM THOSE ON PLAN, CONTACT ARCHITECT.

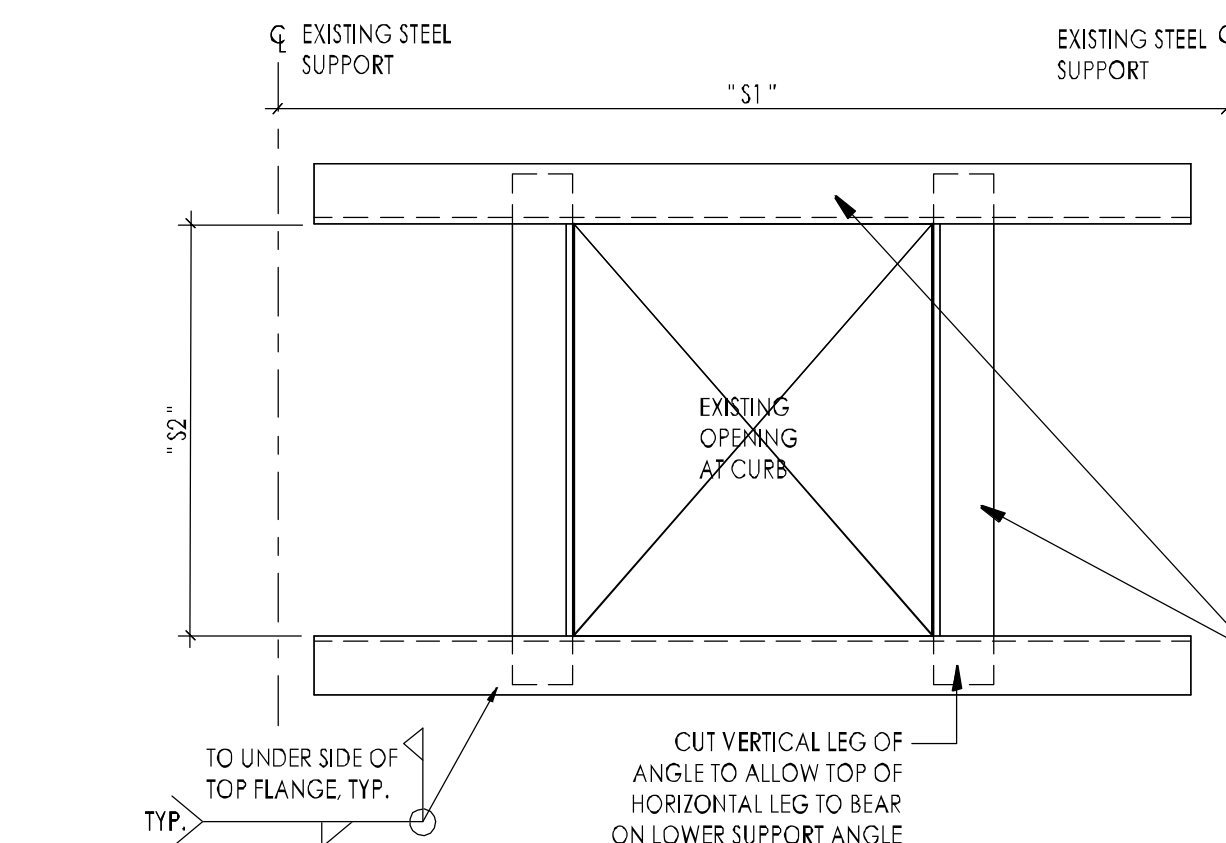
## 2 DECK INFILL - STEEL SECTION

1 1/2" = 1'-0"



## 3 TYP. CURB DETAIL AT SHINGLE ROOF

1" = 1'-0"



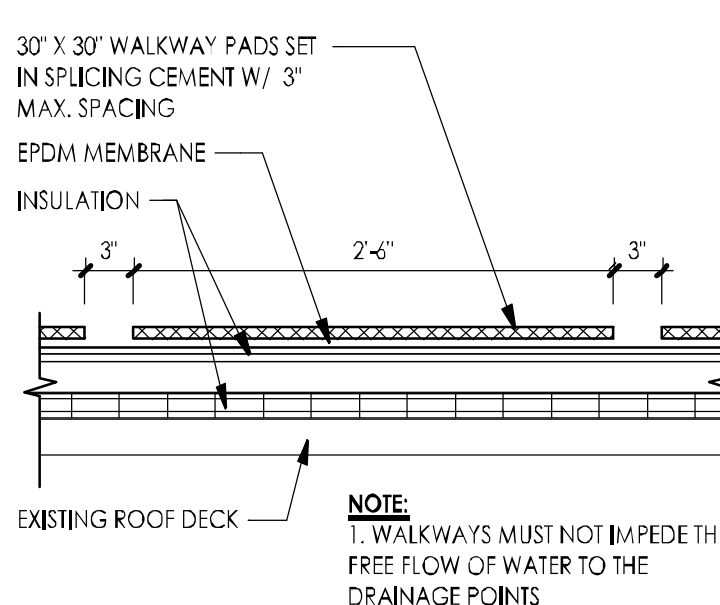
## 4 TYP. OPNG DETAIL AT EXIST'G ROOF & UNDER MECH'L CURB OR MECH'L SUPPORT

1 1/2" = 1'-0"

- NOTES:**
1. FOR SIZE & LOCATION OF OPENINGS SEE ARCHITECTURAL & MECHANICAL DRAWINGS.
  2. STEEL CONTRACTOR SHALL VERIFY ALL OPENINGS AND EXACT LOCATIONS WITH THE TRADE CONTRACTOR REQUIRING SAID OPENINGS PRIOR TO FABRICATION & ERECTION OF STEEL FRAMES.
  3. PROVIDE STEEL FRAMES AS SHOWN AROUND ALL REQUIRED OPENINGS LARGER THAN 8" AT ROOF.
  4. PROVIDE STEEL ANGLES ON ALL SIDES OF OPENINGS UNLESS BEAM IS SHOWN ON PLAN. ANGLE SIZES TO BE: FOR 3"1" OR 3"2" < 4'-6" L-4x4x5/16" FOR 3"1" OR 3"2" > 4'-6" L-6x6x3/8"
  5. PROVIDE STEEL ANGLES ON ALL SIDES OF MECH'L CURBS OR AT MECHANICAL SUPPORT UNLESS BEAM IS SHOWN ON PLAN. ANGLE SIZES TO BE L-6x6x3/8"
  6. FOR SIZE & LOCATION OF MECH'L UNITS, SEE ARCH'L & MECH'L DWGS.

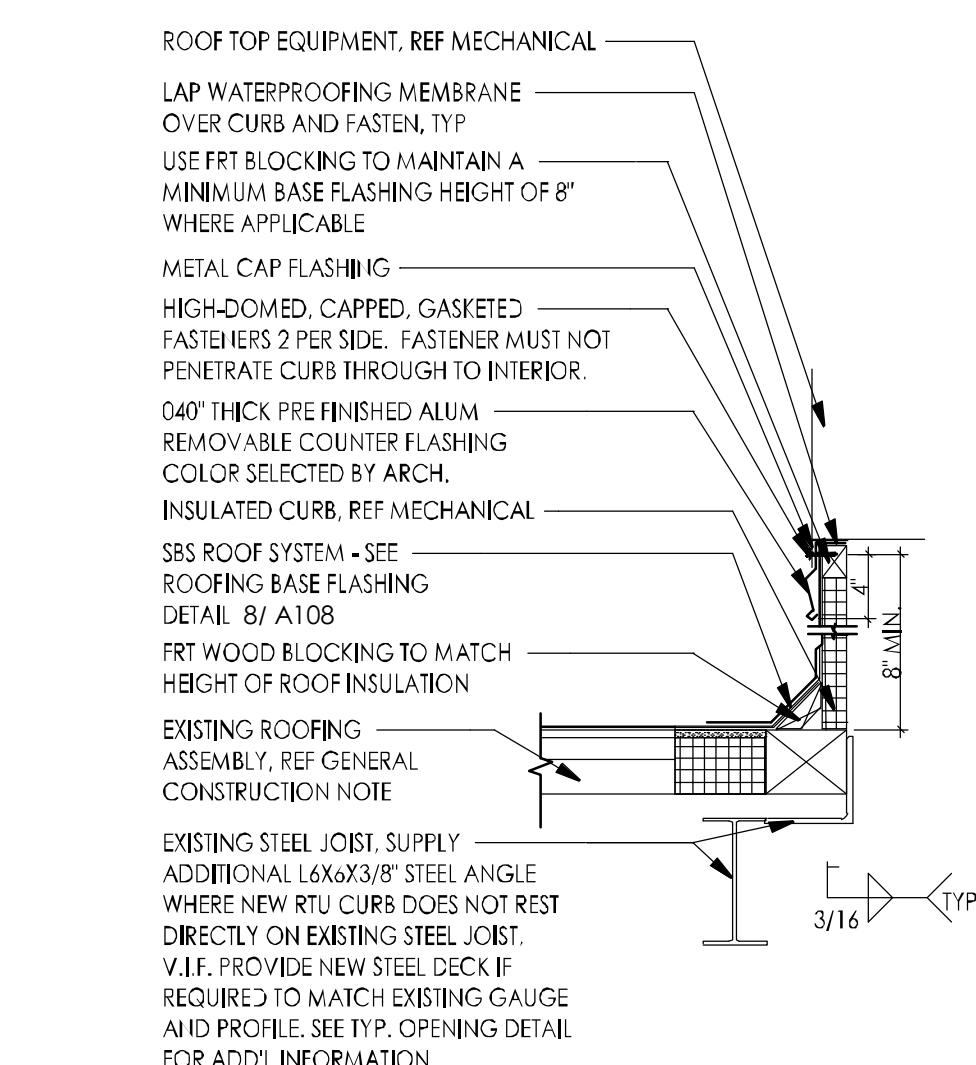
## 5 DECK INFILL - STEEL

1 1/2" = 1'-0"



## 7 TYP. WALKWAY PAD DETAIL

1" = 1'-0"

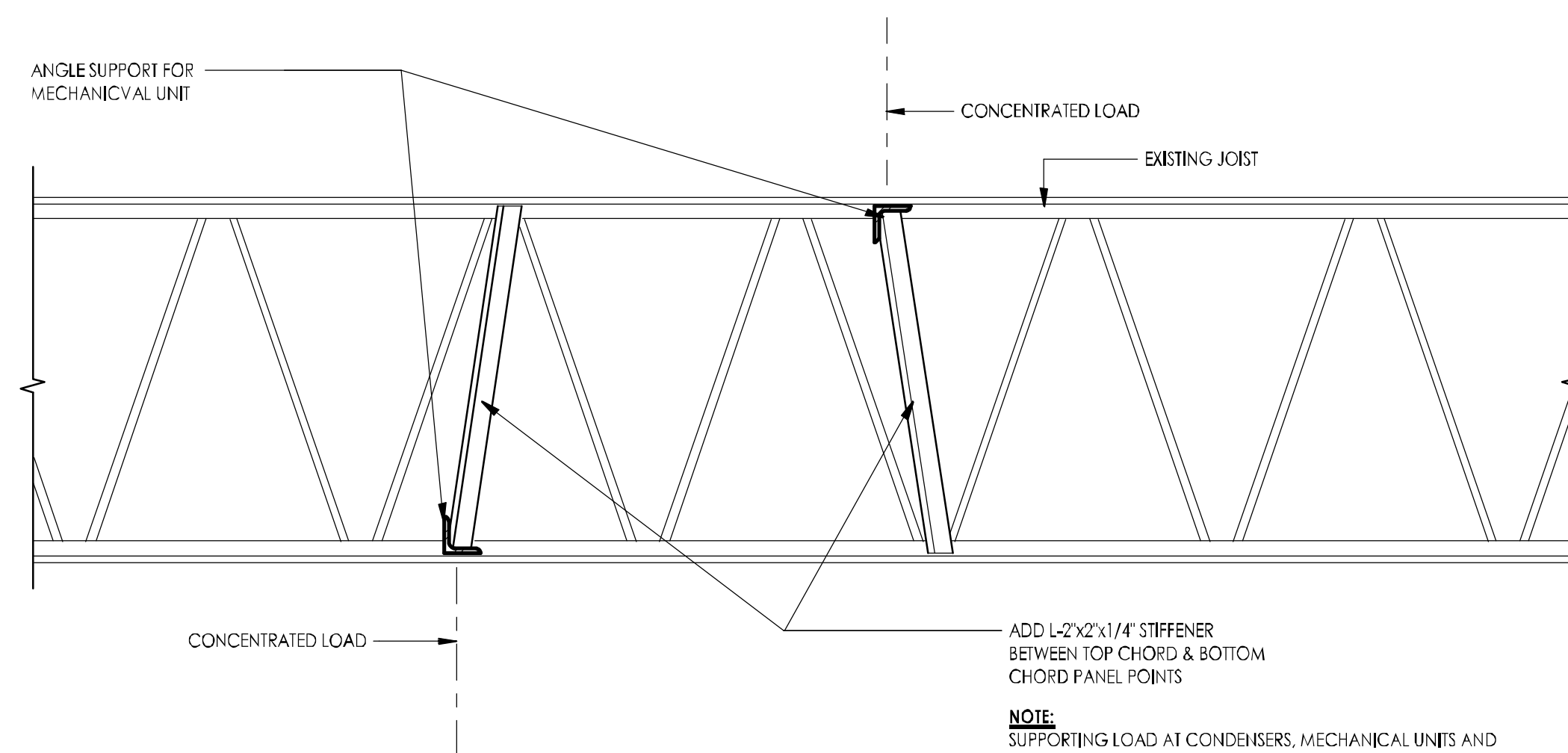


## 6 TYP. ROOF TOP UNIT FLASHING AND STEEL DETAIL

1" = 1'-0"

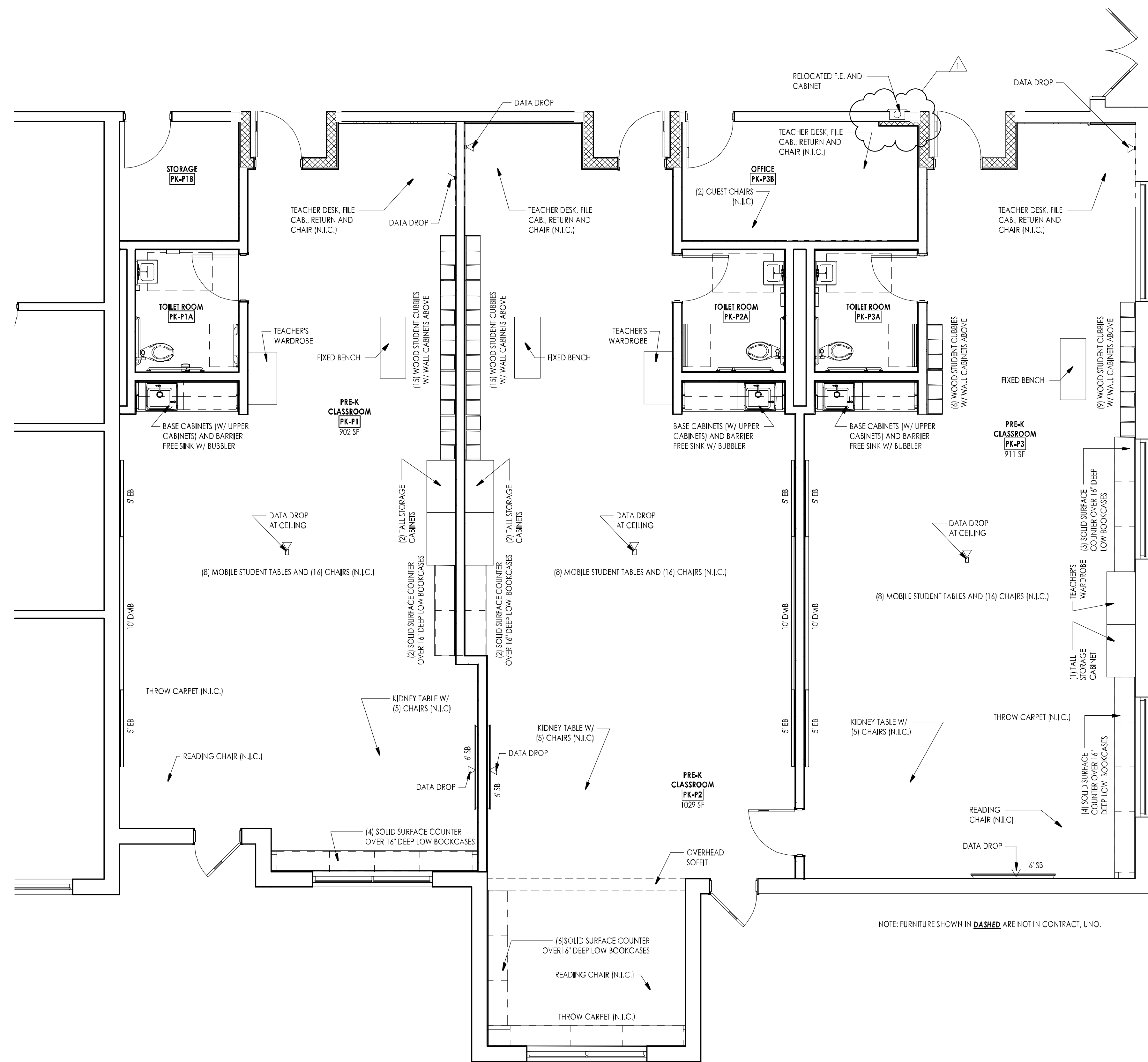
## 8 TYP. BASE FLASHING DETAIL

1" = 1'-0"



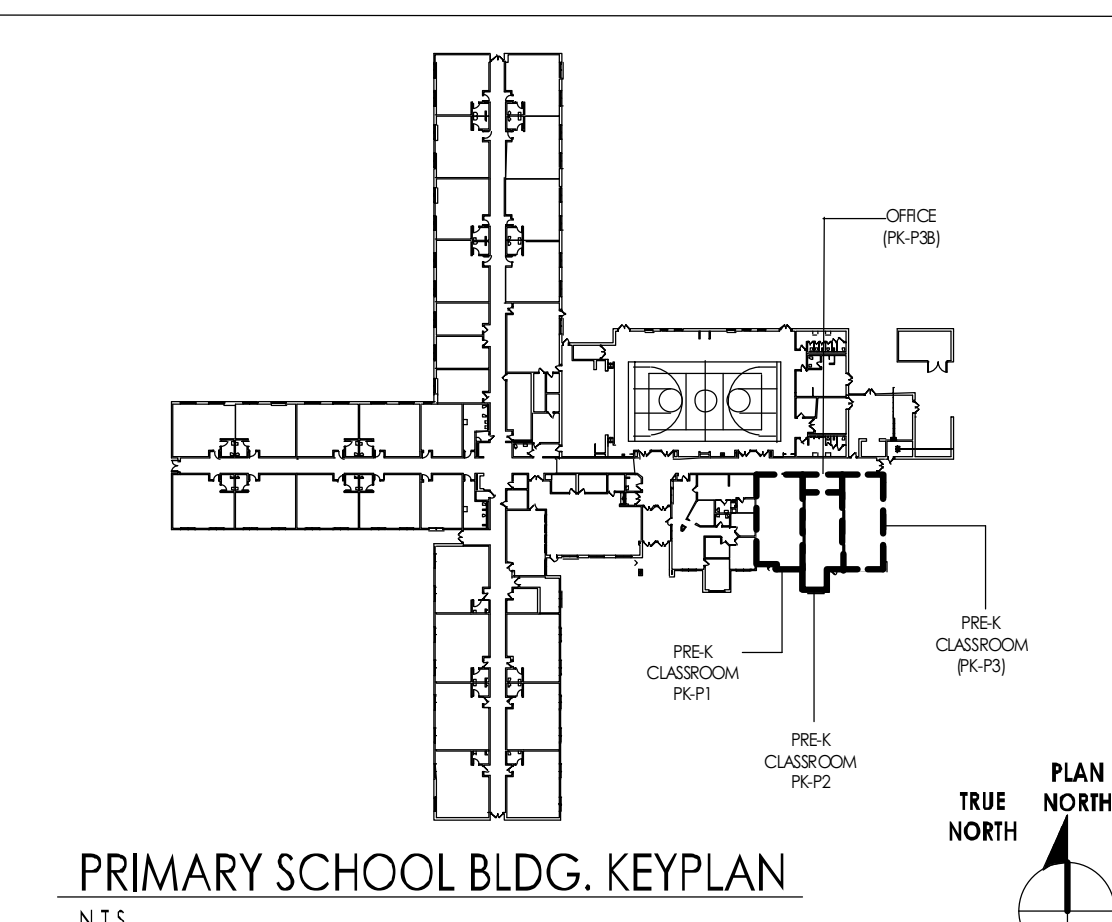
## 9 TYPICAL DETAIL OF REINFORCED JOIST

1" = 1'-0"



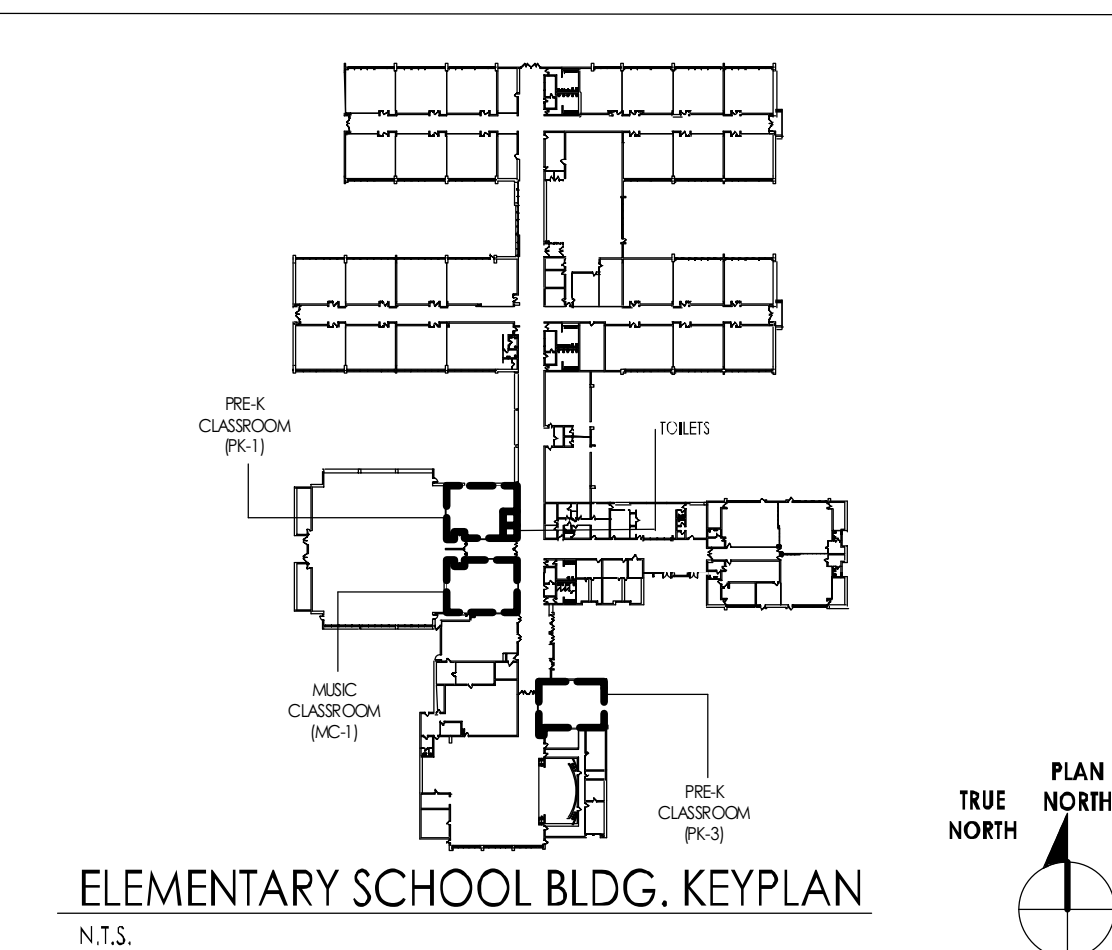
## 1 ENLARGED FLOOR PLANS - PRE-K CLASSROOMS

1/4" = 1'-0"



## PRIMARY SCHOOL BLDG. KEYPLAN

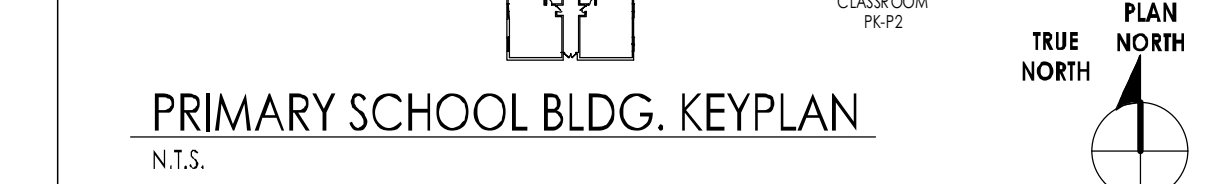
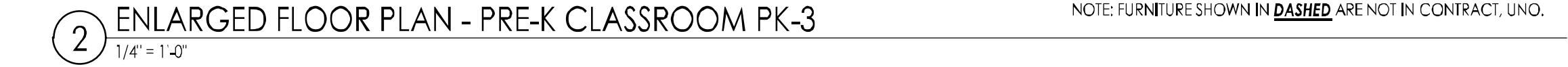
N.T.S.



## ELEMENTARY SCHOOL BLDG. KEYPLAN

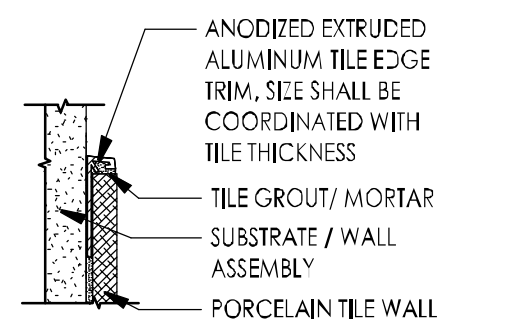
N.T.S.



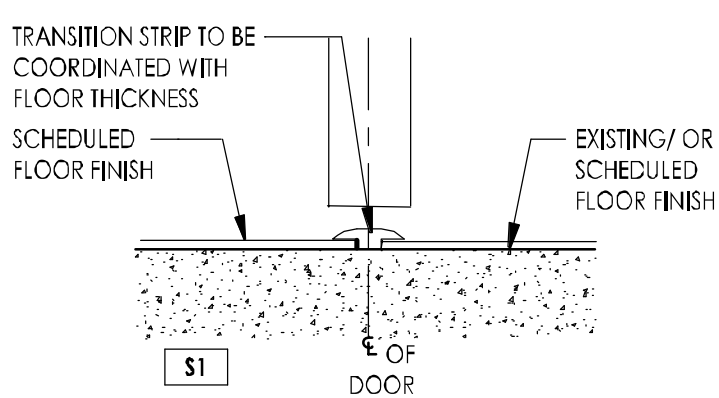




INTERIOR FINISH LEGEND			
PAINT			
P-1	DESCRIPTION: FIELD PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: T8D NUMBER: T8D FINISH: EGGSHELL	P-2	DESCRIPTION: ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: T8D NUMBER: T8D FINISH: EGGSHELL
P-3	DESCRIPTION: ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: T8D NUMBER: T8D FINISH: SEMI-GLOSS / PER APPLICATION	P-4	DESCRIPTION: FIELD PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: T8D NUMBER: T8D FINISH: EGGSHELL / OR PER APPLICATION
P-5	DESCRIPTION: ACCENT PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: T8D NUMBER: T8D FINISH: SEMI-GLOSS / PER APPLICATION	CP-1	DESCRIPTION: CEILING PAINT MANUF: SHERWIN WILLIAMS OR APPROVED EQUAL COLOR: CEILING BRIGHT WHITE NUMBER: FINISH: FLAT
VINYL COMPOSITION TILES			
VCT-1	DESCRIPTION: FIELD PAINT MANUF: ARMSTRONG OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: STANDARD EXCELON IMPERIAL TEXTURE: DIMENSIONS: 12"x12" INSTALL: QUARTER TURN	VCT-2	DESCRIPTION: FIELD PAINT MANUF: ARMSTRONG OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: STANDARD EXCELON IMPERIAL TEXTURE: DIMENSIONS: 12"x12" INSTALL: QUARTER TURN
VINYL COMPOSITION TILES			
VCT-1	DESCRIPTION: FIELD PAINT MANUF: ARMSTRONG OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: STANDARD EXCELON IMPERIAL TEXTURE: DIMENSIONS: 12"x12"x1/8" INSTALL: QUARTER TURN	VCT-2	DESCRIPTION: FIELD PAINT MANUF: ARMSTRONG OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: STANDARD EXCELON IMPERIAL TEXTURE: DIMENSIONS: 12"x12"x1/8" INSTALL: QUARTER TURN
PORCELAIN TILES			
PT-1	DESCRIPTION: PORCELAIN WALL TILE MANUF: DALTILE OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: VOLUME 1.0 CONC. LOOK DIMENSIONS: 8"x24" INSTALL: BRICK, SEE FINISH ELEVATIONS GROUT: T8D	PT-2	DESCRIPTION: PORCELAIN WALL TILE MANUF: DALTILE OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: LINEAR COLOR WHEEL DIMENSIONS: 8"x24" INSTALL: BRICK, SEE FINISH ELEVATIONS GROUT: T8D
PT-3	DESCRIPTION: PORCELAIN WALL TILE MANUF: DALTILE OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: LINEAR COLOR WHEEL DIMENSIONS: 8"x24" INSTALL: BRICK, SEE FINISH ELEVATIONS GROUT: T8D	PT-4	DESCRIPTION: PORCELAIN TILE FLOOR MANUF: DALTILE OR APPROVED EQUAL COLOR: T8D NUMBER: T8D COLLECTION: LINEAR COLOR WHEEL DIMENSIONS: 12"x24" INSTALL: STACKED / MONOLITHIC GROUT: T8D
WALL BASE			
WB-1	DESCRIPTION: RUBBER WALL BASE COVETOE MANUF: JOHNSONITE OR APPROVED EQUAL STYLE: TRADITIONAL WALL BASE COLOR: T8D DIMENSIONS: 4" x 1/8" (ROLLED) NOTE:	PT-4A	DESCRIPTION: PORCELAIN WALL TILE BASE MANUF: DALTILE OR APPROVED EQUAL COLOR: COORDINATE WITH PT-4 NUMBER: T8D COLLECTION: T8D DIMENSIONS: 4"x24" INSTALL: BRICK, SEE FINISH ELEVATIONS GROUT: T8D
SOLID SURFACE			
SS-1	DESCRIPTION: COUNTERTOPS AND TRIMS MANUF: CORIAN OR APPROVED EQUAL COLOR: T8D PRODUCT NUMBER: T8D THICKNESS: 1/2" OR BUILT-UP, REFER TO PLAN EDGE PROFILE: EASED EDGE	WB-1	DESCRIPTION: WOOD VENEER MANUF: CAMPBELL RHEA OR APPROVED EQUAL WOOD: T8D STAIN FINISH: T8D COLLECTION: T8D INSTALL: VERTICAL GRAIN, UNO IN PLANS NOTE: REFER TO CASEWORK PLAN AND ELEV.
FLOORING TRANSITIONS			
S-1	DESCRIPTION: VINYL FLOORING TRANSITION MANUF: JOHNSONITE OR APPROVED EQUAL PROFILE: SEE S-1 DETAIL, COORDINATE WITH FLOOR FINISH COLOR: T8D INSTALL: PER PLANS NOTE: ADA COMPLIANT	S-2	DESCRIPTION: MARBLE THRESHOLD MANUF: DALTILE OR APPROVED EQUAL PROFILE: SEE S-2 DETAIL, COORDINATE WITH FLOOR FINISH COLOR: T8D INSTALL: PER PLANS NOTE: ADA COMPLIANT
CABINET PULLS			
PULL-1	DESCRIPTION: CABINET PULL MANUF: CAMPBELL RHEA OR APPROVED EQUAL PROFILE: T8D FINISH: T8D NOTE: COORDINATE WITH CASEWORK INSTALL	PULL-2	DESCRIPTION: CABINET PULL MANUF: CAMPBELL RHEA OR APPROVED EQUAL PROFILE: T8D FINISH: T8D NOTE: COORDINATE WITH CASEWORK INSTALL

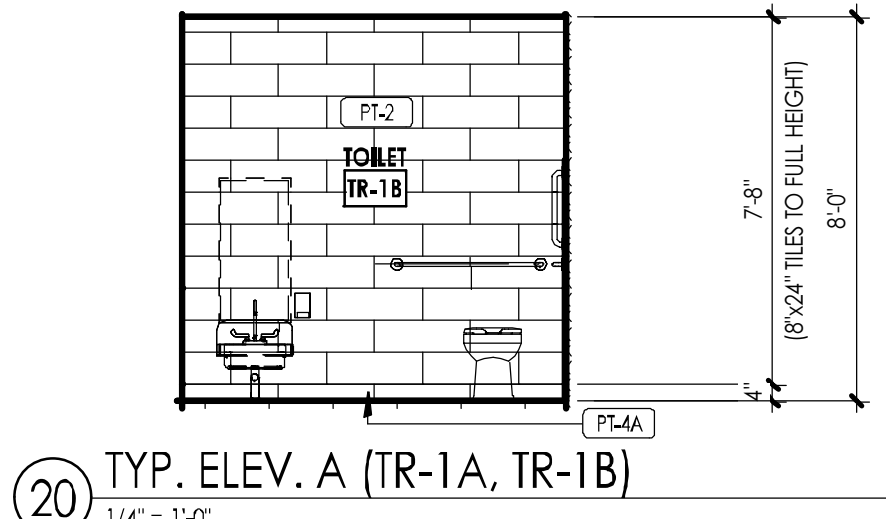


13 TYPICAL TILE EDGE TRIM DETAIL  
6" = 1'-0"

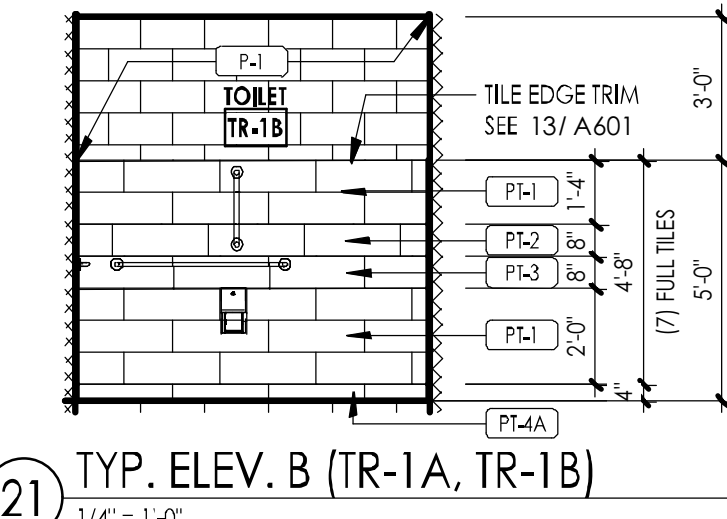


12 TYP FLOORING TRANSITION DETAILS  
3" = 1'-0"

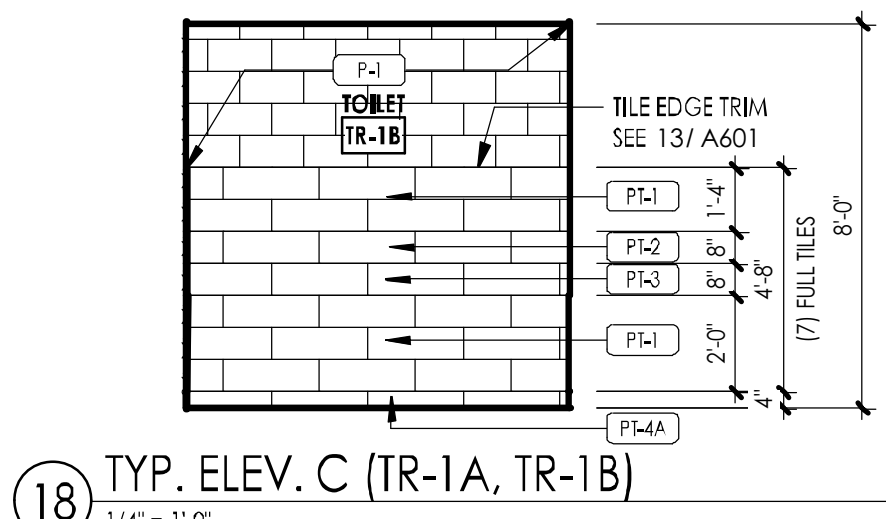
## TYPICAL TOILET ROOM TR-1A, TR-1B FINISH ELEVATIONS



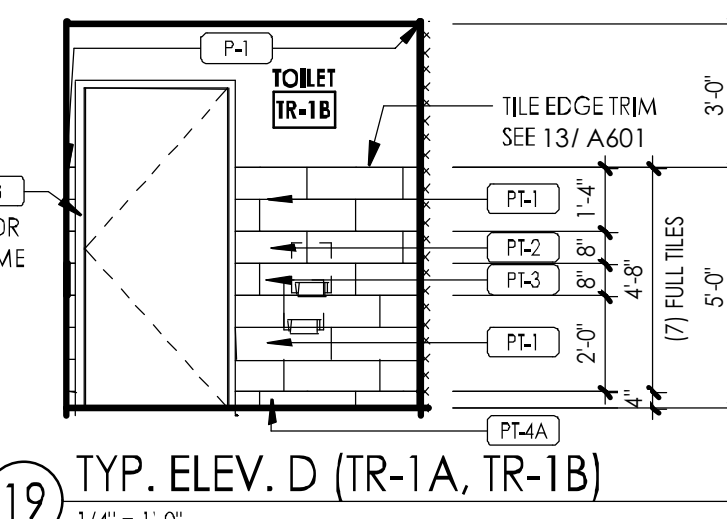
20 TYP. ELEV. A (TR-1A, TR-1B)  
1/4" = 1'-0"



21 TYP. ELEV. B (TR-1A, TR-1B)  
1/4" = 1'-0"

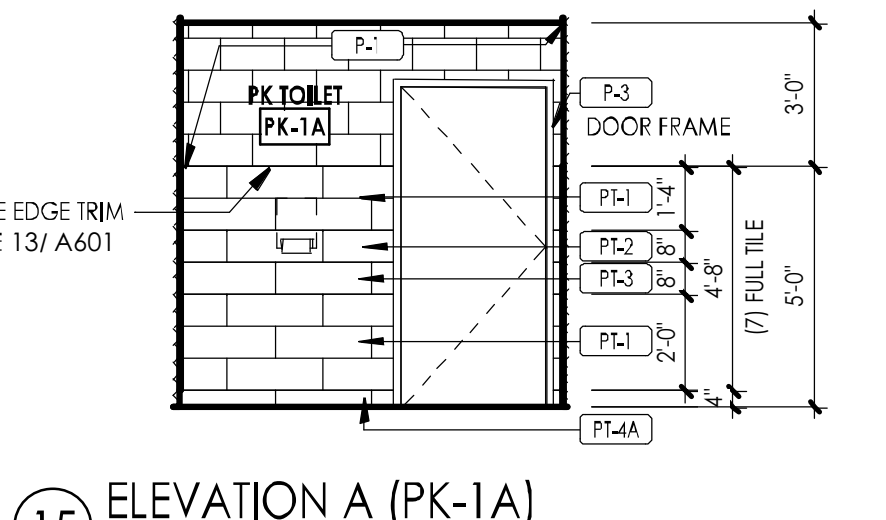


18 TYP. ELEV. C (TR-1A, TR-1B)  
1/4" = 1'-0"

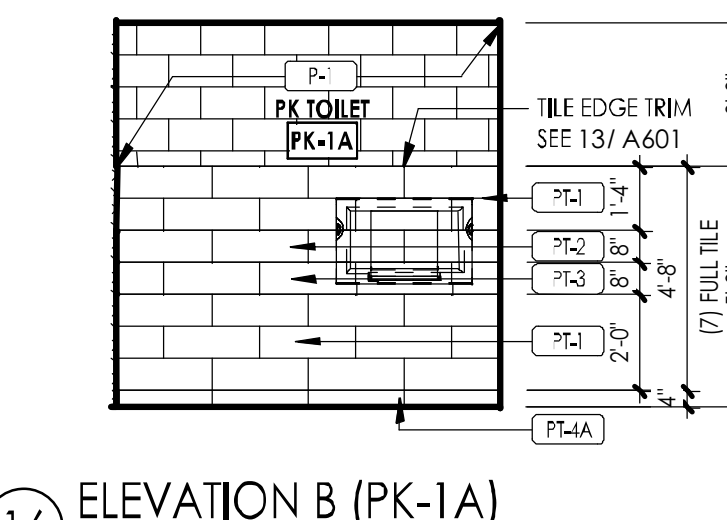


19 TYP. ELEV. D (TR-1A, TR-1B)  
1/4" = 1'-0"

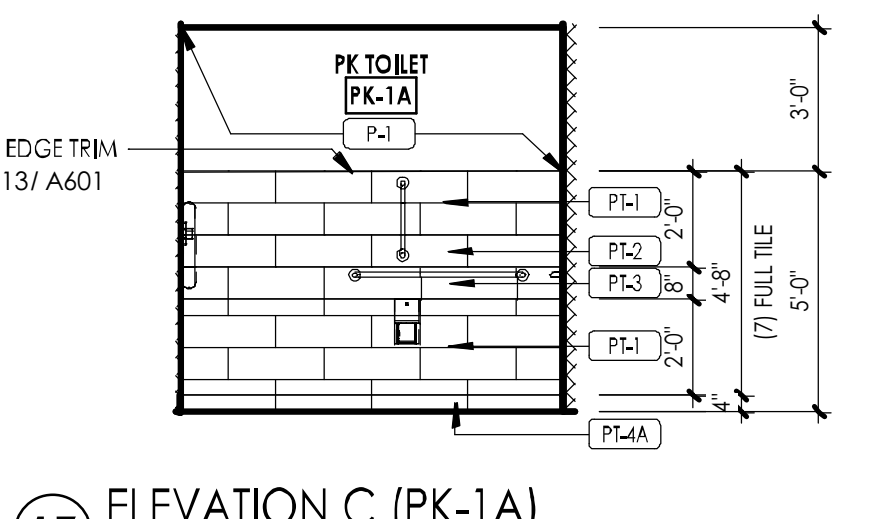
## TOILET ROOM PK-1A FINISH ELEVATIONS



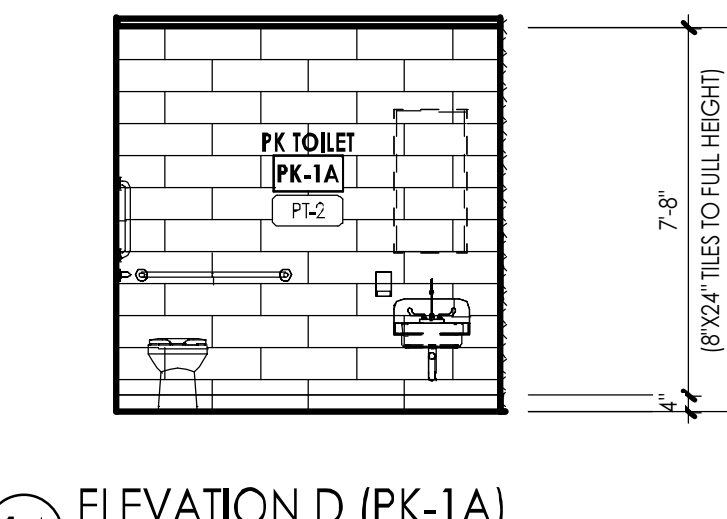
15 ELEVATION A (PK-1A)  
1/4" = 1'-0"



16 ELEVATION B (PK-1A)  
1/4" = 1'-0"

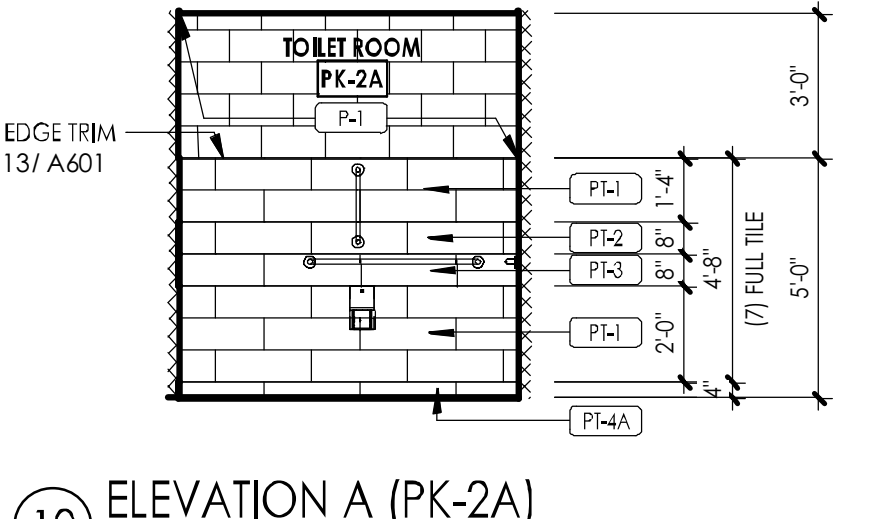


17 ELEVATION C (PK-1A)  
1/4" = 1'-0"

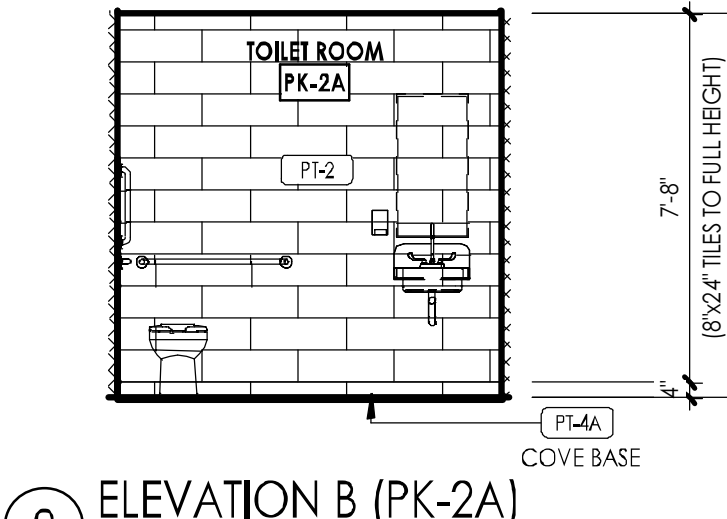


14 ELEVATION D (PK-1A)  
1/4" = 1'-0"

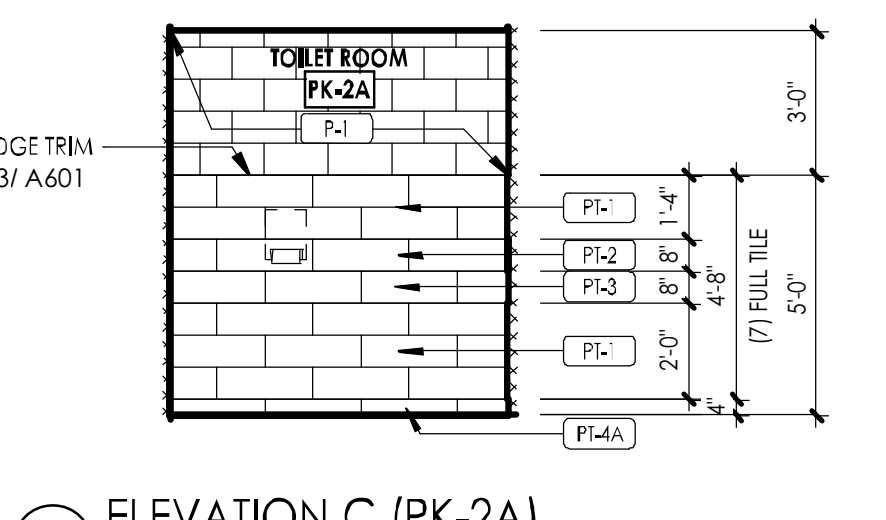
## TOILET ROOM PK-2A FINISH ELEVATIONS



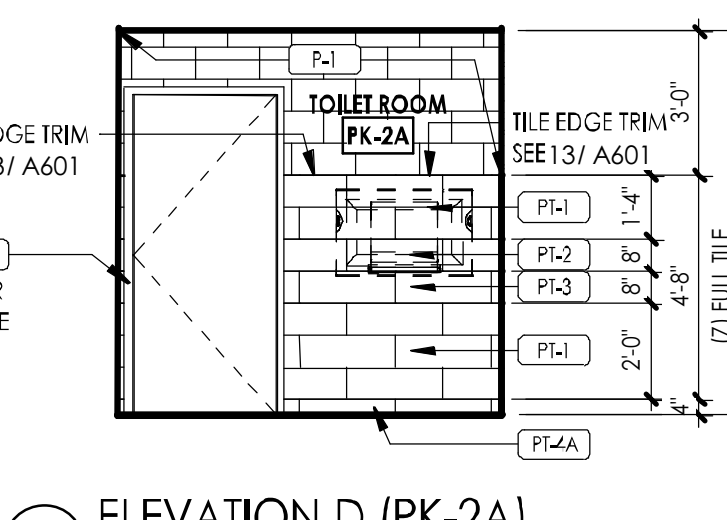
10 ELEVATION A (PK-2A)  
1/4" = 1'-0"



9 ELEVATION B (PK-2A)  
1/4" = 1'-0"

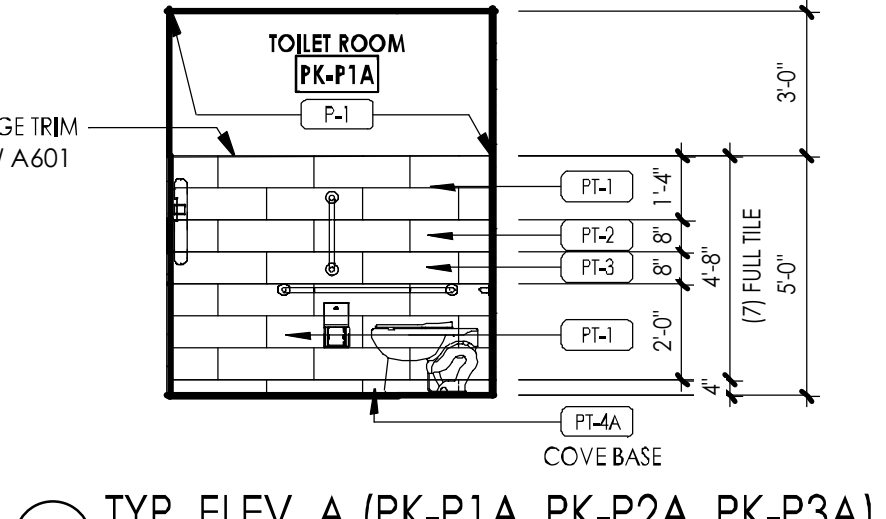


11 ELEVATION C (PK-2A)  
1/4" = 1'-0"

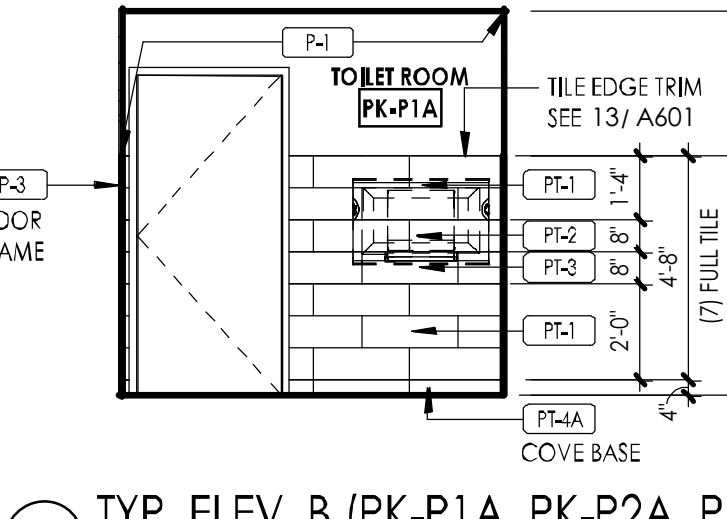


8 ELEVATION D (PK-2A)  
1/4" = 1'-0"

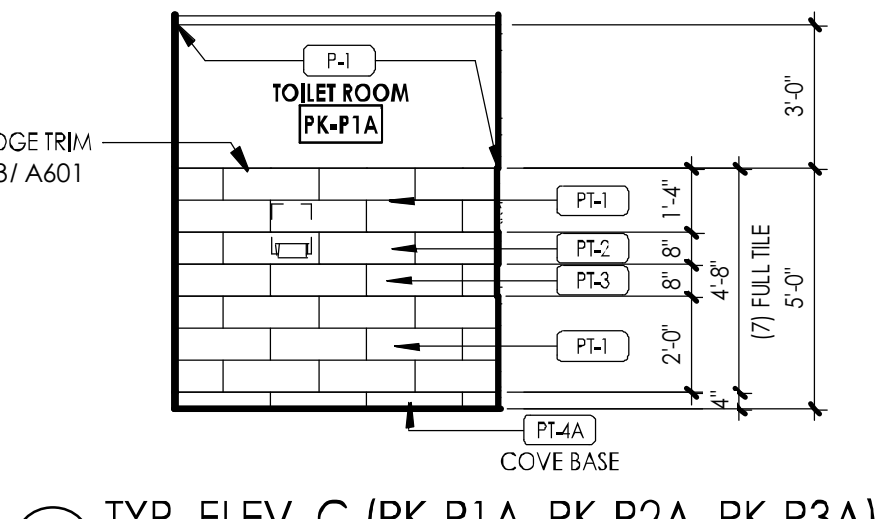
## TYPICAL PRE-K TOILET ROOM FINISH ELEVATIONS



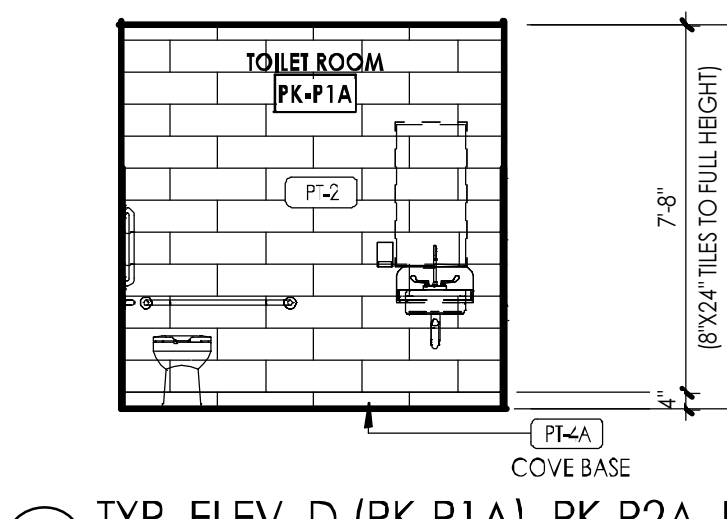
4 TYP. ELEV. A (PK-P1A, PK-P2A, PK-P3A)  
1/4" = 1'-0"



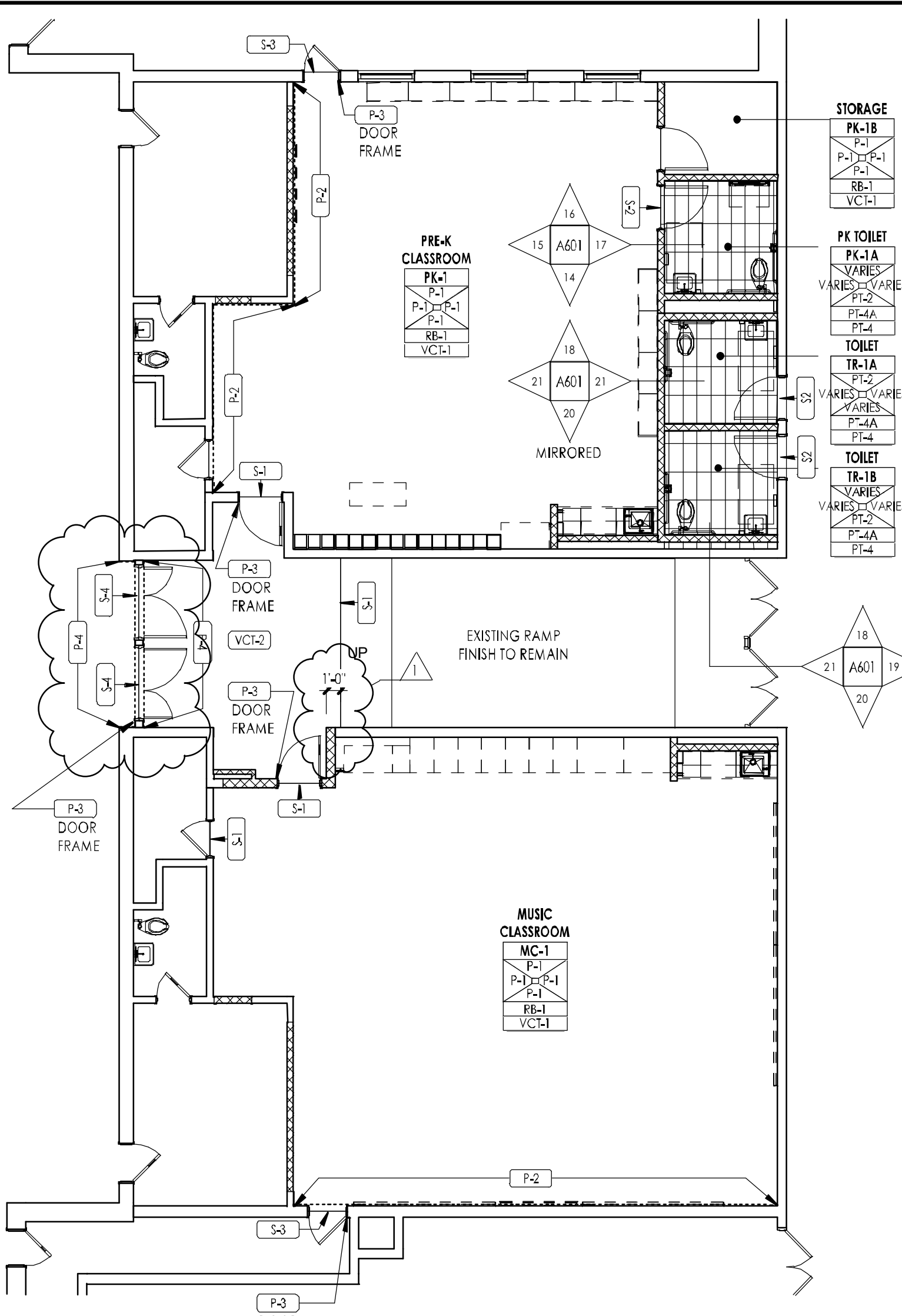
7 TYP. ELEV. B (PK-P1A, PK-P2A, PK-P3A)  
1/4" = 1'-0"



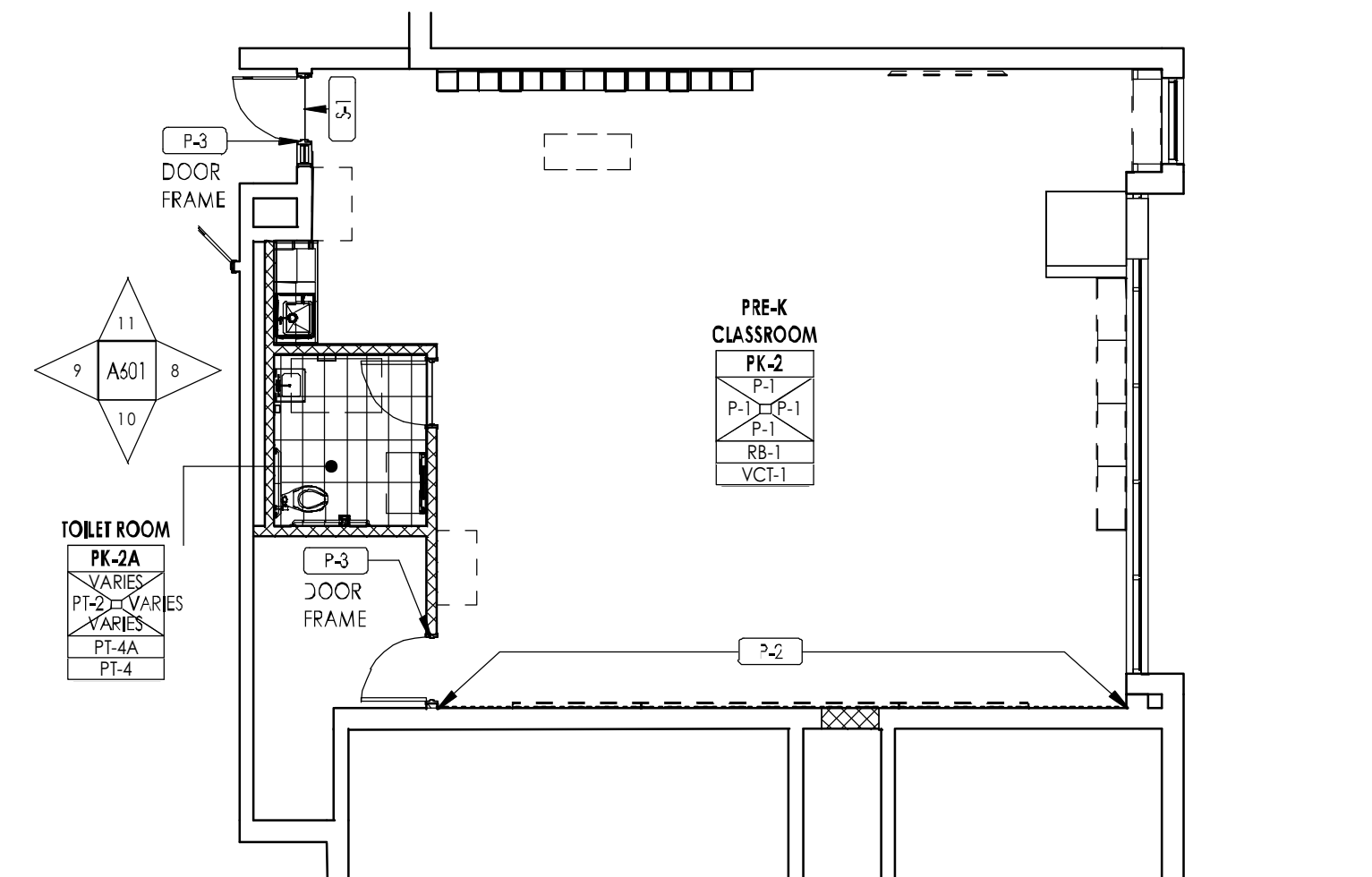
6 TYP. ELEV. C (PK-P1A, PK-P2A, PK-P3A)  
1/4" = 1'-0"



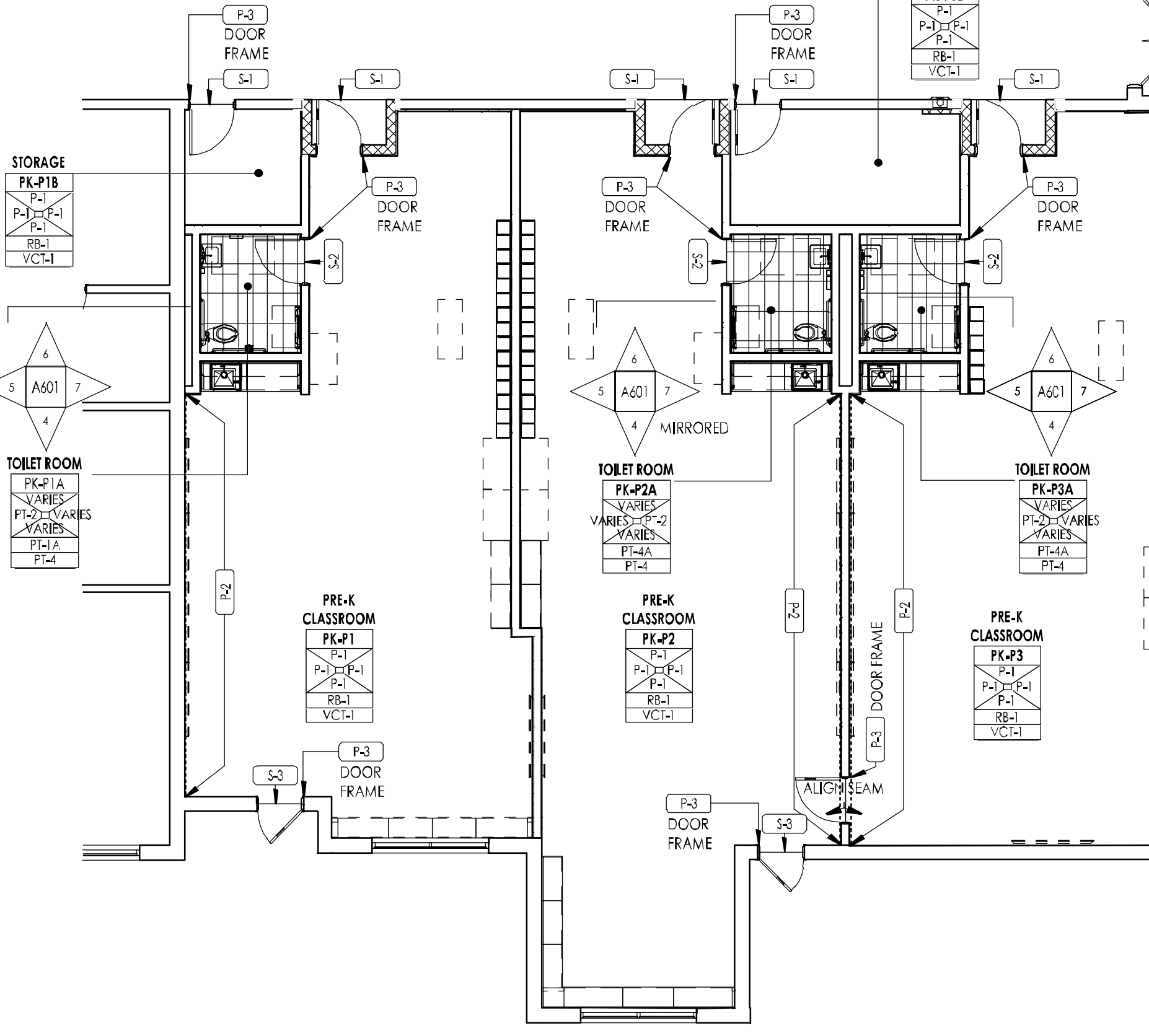
5 TYP. ELEV. D (PK-P1A, PK-P2A, PK-P3A)  
1/4" = 1'-0"



1 PARTIAL FINISH PLAN (PRE-K CLASSROOM PK-1, MUSIC CLASSROOM MC-1)  
1/8" = 1'-0"

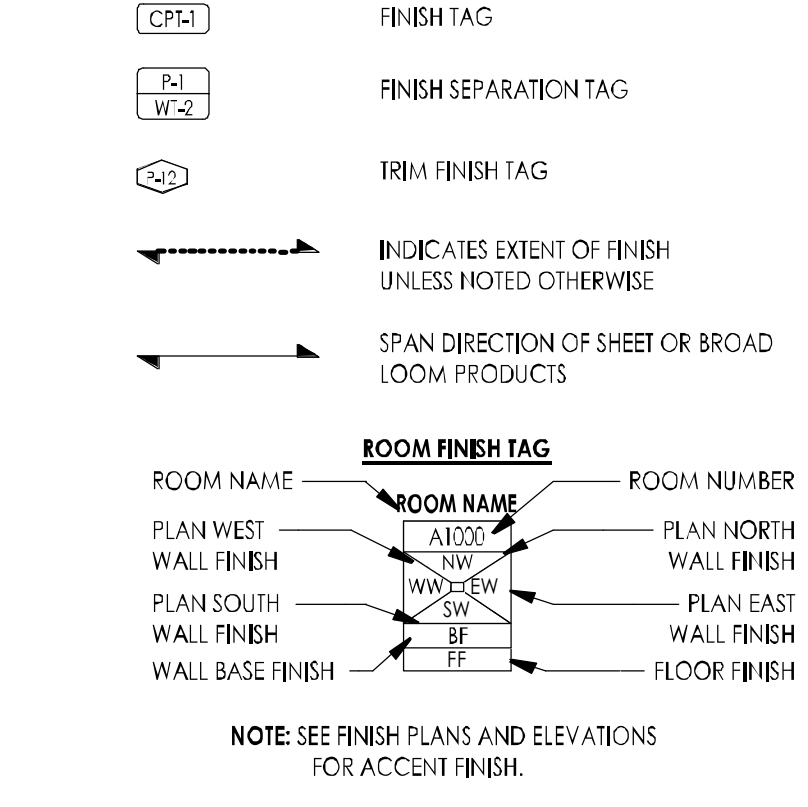


2 PARTIAL FINISH PLAN (PRE-K CLASSROOM PK-3)  
1/8" = 1'-0"

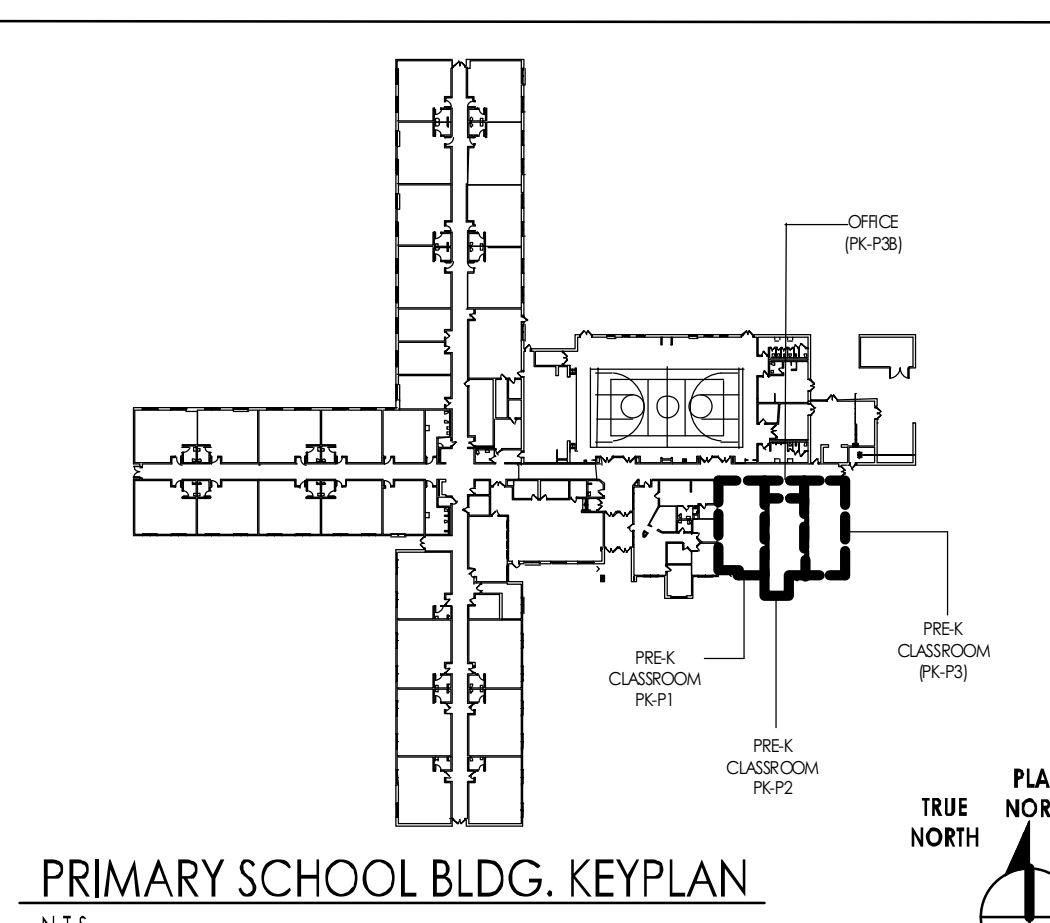


3 PARTIAL FINISH PLAN (PRE-K CLASSROOM PK-P1, PK-P2, PK-P3)  
1/8" = 1'-0"

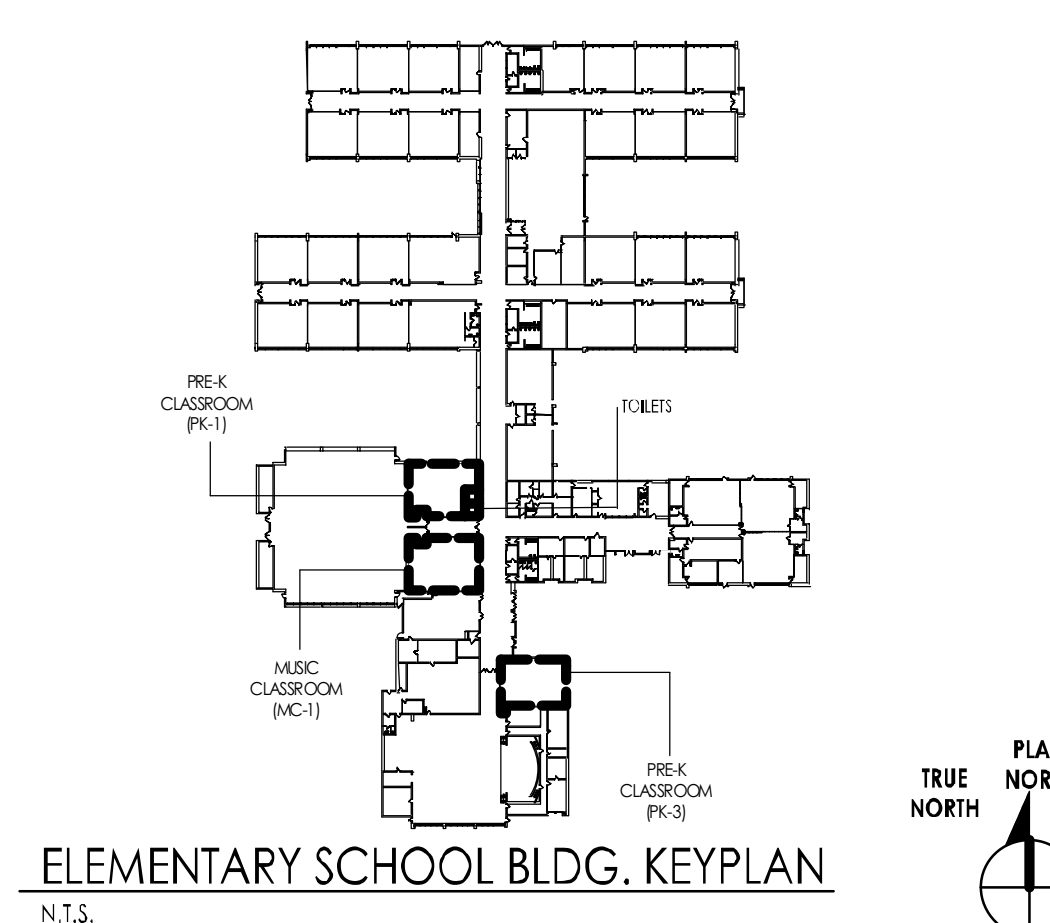
## GENERAL FINISH NOTES:



- NOTES PERTAIN TO AREAS WITHIN THIS SCOPE OF WORK ONLY.
  - CONTACT INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION IN THE EVENT OF CONTRADICTIONARY INFORMATION BETWEEN DRAWINGS, LEGENDS AND/OR SPECIFICATIONS OR IF COLOR AND/OR FINISH IS NOT SPECIFIED.
  - REFER TO FINISH LEGEND AND PLAN FOR GENERAL FINISHES.
  - REFER TO ALL INTERIOR FINISH NOTES AND INTERIOR DRAWINGS (INCLUDING PLANS, ELEVATIONS AND DETAILS) FOR COMPLETE INTERIORS INFORMATION.
  - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PRODUCT LEAD TIMES TO ENSURE DELIVERY THAT MEETS THE PROJECT SCHEDULE.
  - THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY ALL SITE CONDITIONS AND CONFIRM QUANTITIES PRIOR TO ORDERING PRODUCTS. IN THE EVENT OF CONTRADICTIONARY INFORMATION CONTACT THE INTERIOR DESIGNER/ARCHITECT FOR CLARIFICATION PRIOR TO ORDERING.
  - ALL MATERIALS SHALL BE INSTALLED USING MANUFACTURERS RECOMMENDED INSTALLATION METHODS, ACCESSORIES AND ADHESIVES.
  - WARRANTY INFORMATION AND INSTRUCTIONS OF MAINTENANCE ON ALL FINISH MATERIALS SHALL BE PROVIDED TO THE OWNER AND INCLUDED IN THE CLOSEOUT WARRANTY AND MAINTENANCE MANUAL.
  - THE CONTRACTOR IS RESPONSIBLE FOR SUBMITTING SAMPLES OF ALL FINISHES SPECIFIED TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL PRIOR TO ORDERING MATERIAL.
  - ALL SUBSTRATE SURFACES ARE TO BE PROPERLY PREPARED TO RECEIVE FINISH MATERIALS. SUBCONTRACTOR IS NOT TO APPLY FINISHES UNTIL SUBSTRATE IS PREPARED PER MANUFACTURERS WRITTEN INSTRUCTIONS FOR ALL INSTALLATIONS OR APPLICATIONS.
  - PAINT GRILLS, WALL DIFFUSERS, ELECTRICAL PANELS, WALL MOUNTED BOXES, ACCESS PANELS, ETC., WHICH ARE EXPOSED IN FINISHED SPACES TO MATCH THE SURFACE ON WHICH THEY OCCUR IF THE ITEM IS ON A WALL-COVERED WALL, PROVIDE A CUSTOM PAINT COLOR USED TO MATCH. SUBMIT TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL.
  - ALL DIRECTIONAL LAMINATES SHOULD RUN WITH THE VERTICAL GRAIN PATTERN UON.
  - ALL WALL PAINT TO BE EGGSHELL FINISH UON.
  - ALL METAL AND PAINTED TRIM TO BE SEMI-GLOSS ENAMEL FINISH UON.
  - INSTALL DIRECTIONAL WALLCOVERING ORIENTED AS SPECIFIED IN ELEVATION.
  - ALL VINYL/RUBBER BASE TO BE ROLLED GOODS, NOT LINEAR 4' LENGTHS, UON.
- FLOOR FINISH NOTES:**
- PROVIDE SHOP DRAWING LAYOUT SHOWING ALL FLOOR PATTERN LOCATIONS, GRAIN DIRECTION AND SEAMING DIAGRAMS.
  - INSTALL DIRECTIONAL FLOORING ORIENTED AS SPECIFIED IN THE FINISH PLAN.
  - REFERENCE MANUFACTURERS INSTALLATION SPECIFICATIONS FOR EACH FLOOR FINISH TYPE TO VERIFY REQUIREMENTS.
  - ALIGN TRANSITION OF FLOOR MATERIAL WITH CENTER OF HINGE IN DOORWAY UON.
  - IN A WALL OPENING WITHOUT HINGES REFER TO FINISH PLANS FOR TRANSITION LOCATION OF WRAPPED MATERIALS.
  - FLASH PATCH THE FLOOR AT TRANSITION OF ALL MATERIALS, PROVIDE TRANSITION STRIPS AS NECESSARY. SUBMIT TRANSITIONS TO INTERIOR DESIGNER/ARCHITECT FOR APPROVAL. ALL FLOORING TRANSITIONS MUST ADHERE TO THE AMERICANS WITH DISABILITIES ACT.
- CEILING FINISH NOTES - FOR ALL PROJECTS:**
- ALL NEW GWB CEILINGS/SOFFITS TO BE PAINTED CP-1 UNLESS OTHERWISE NOTED.



PRIMARY SCHOOL BLDG. KEYPLAN  
N.T.S.



ELEMENTARY SCHOOL BLDG. KEYPLAN  
N.T.S.

WILLIAM D. HOPKINS III, AIA, LEED AP  
N.J. REG. 12000017 / PA. REG. 120017  
GEORGE R. DUTHE JR., AIA, PP  
N.J. REG. 120017003  
JASON DUBOWITZ, AIA  
N.J. REG. 120017000 / PA. REG. 120017000  
11/01/2024  
Date  
Architect

**GFVHD** architects  
Premiers  
Frattak Veisz Hopkins Duthe P.C.

Project Name  
**Renovations for Five (5) Pre-K Classrooms at Clayton J. Dayport Elementary School**

Project Owner Name  
**Egg Harbor Township School District**

Project Location  
**2501 Spruce Avenue  
Egg Harbor Township,  
NJ 08234**

Project Number  
**5481**  
Project Date  
**11/01/2024**  
Checked By  
**SWS, WDH**  
Drawn By  
**IVA**  
Scale

Drawing Name  
**FINISH PLANS, ELEVATIONS AND FINISH SCHEDULE**

Revisions  
No. Date Description  
1 11/26/2024 Addendum 1

Drawing Number:  
**A601**



PLUMBING LEGEND

	REMOVAL WORK (REFER TO PLAN)
	EXISTING
	GAS
	STORM DRAIN
	SOIL OR WASTE PIPING
	VENT
	ACID WASTE
	ACID VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	DISTILLED WATER
	DOMESTIC HOT WATER (140°)
	DOMESTIC HOT WATER RETURN (140°)
	DOMESTIC HOT WATER (180°)
	DOMESTIC HOT WATER RETURN (180°)
	SANITARY FORCED MAIN
	FUEL OIL SUPPLY
	FUEL OIL RETURN
	FUEL OIL VENT
	REGULAR UNLEADED GASOLINE
	PREMIUM GASOLINE
	DIESEL FUEL
	GASOLINE VENT
	LUBRICATING OIL
	LUBRICATING OIL VENT
	WASTE OIL
	WASTE OIL VENT
	COMPRESSED AIR
	MEDICAL COMPRESSED AIR
	LABORATORY COMPRESSED AIR
	VACUUM
	LABORATORY WASTE
	MEDICAL VACUUM
	LABORATORY VACUUM
	VACUUM CLEANING
	OXYGEN
	LIQUID OXYGEN
	HIGH PRESSURE STEAM (100-70 PSI)
	HIGH PRESSURE CONDENSATE
	NITROUS OXIDE
	NITROGEN
	TEMPERED WATER
	INDIRECT WASTE PIPING
	LAWN SPRINKLER SUPPLY
	PIPE SLOPE - IN DIRECTION OF ARROW
	FLOW - IN DIRECTION OF ARROW
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	VALVE ON RISE
	GAS COCK, GAS STOP
	SOLENOID VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	RELIEF OR SAFETY VALVE
	UNION
	STRAINER
	STRAINER W/ BLOW-DOWN VALVE
	FLOW SENSOR
	SIGHT GLASS
	PIPE SLEEVE/GUIDE
	PIPE ANCHOR
	PIPE BREAK
	PIPE CAP
	FLEXIBLE CONNECTION
	ANGLE GATE VALVE

	THERMOMETER
	PRESSURE GAUGE W/ COCK
	AIR VENT W COCK
	AUTOMATIC AIR VENT
	AQUASTAT
	WATER HAMMER ARRESTOR
	FLOW SWITCH
	PRESSURE SWITCH
	DIAPHRAGM
	METER
	PIPE TURNING DOWN
	PIPE TURNING UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	DROP AND TURN
	TEE OFF TOP
	BACK FLOW PREVENTER
	HEAT TRACE
	PUMP
	INLINE PUMP
	ROOF DRAIN
	PLAIN COMBO FLOOR DRAIN
	PLAIN ROUND FLOOR DRAIN
	PLAIN SQUARE FLOOR DRAIN
	HOSE BIB
	SHOWER HEAD
	SIAMESE CONNECTION

STANDARD SYMBOLS

	DATUM POINT
	REVISION
	NEW WORK NOTE DESIGNATION
	REMOVAL WORK NOTE DESIGNATION
	CONNECT TO EXISTING
	EXTENT OF REMOVAL
	EQUIPMENT ABBREVIATION
	TAG NUMBER
	PLAN, SECTION, OR DETAIL
	SECTION OR DETAIL
	ELEVATION
	NORTH ARROW

PLUMBING ABBREVIATIONS:

ABV	ABOVE	IN	INCH
AD	AREA DRAIN	INV.	INVERT ELEVATION
AFF	ABOVE FINISHED FLOOR	I.W.	INDIRECT WASTE
AP	ACCESS PANEL	KS	KITCHEN SINK
BT	BATHTUB	LAV	LAVATORY
B	BIDET	LT	LAUNDRY TUB
BACNET	BUILDING AUTOMATION & CONTROL NETWORK	MAX	MAXIMUM
BFF	BELOW FINISHED FLOOR	M.C.	MECHANICAL CONTRACTOR
BFP	BACKFLOW PREVENTER	MIN	MINIMUM
BLW	BELOW	MR	MOP RECEPTOR
BMS	BUILDING MANAGEMENT SYSTEM	N	NITROUS OXIDE
BOB	BOTTOM OF BEAM	(N)	NEW
BOD	BOTTOM OF DECK	N/A	NOT APPLICABLE
BS	BAR SINK	N.C.	NORMALLY CLOSED
BV	BALANCING VALVE	N.I.C.	NOT IN CONTRACT
CCC	COOLING COIL CONDENSATE	N.O.	NORMALLY OPEN
CS	CLINICAL SERVICE SINK	O	OXYGEN OUTLET
CP	CONCRETE PIPING	P.C.	PLUMBING CONTRACTOR
CO	CLEAN OUT	PD	PLANTER DRAIN
CONT.	CONTINUATION	PVC	POLY VINYL CHLORIDE
C.I.	CAST IRON	P.I.C.	POST INDICATOR VALVE
CB	CATCH BASIN	PRV	PRESSURE REGULATING VALVE
CLG	CEILING	Q.Z.V.	QUADRUPLE ZONE VALVE BOX
CSK	CUP SINK	Q.A.P.	QUADRUPLE ALARM PANEL
DW	DISHWASHER	(R)	REMOVE
DN	DOWN	RD	ROOF DRAIN
DD	DECK DRAIN	RWC	RAIN WATER CONDUCTOR
D.A.P.	DUPLEX ALARM PANEL	R.C.P.	REINFORCED CONCRETE PIPE
D.Z.V.	DUPLEX ZONE VALVE BOX	SH	SHOWER
D.Z.P.	DUCTILE IRON PIPE	S	SANITARY
DF	DRINKING FOUNTAIN	SW	SAFE WASTE
ES	EMERGENCY SHOWER	SMH	SANITARY MANHOLE
EWC	ELECTRIC WATER COOLER	STMH	STORM MANHOLE
(E)	EXISTING	SS	SERVICE SINK
E.C.	ELECTRICAL CONTRACTOR	SK	SINK
EW	EYEWASH	SL	SURGEONS LAVATORY
FB	FROM BELOW	TC	TERRACOTTA
FCO	FLOOR CLEAN OUT	T.C.P.	TRIPLE ALARM PANEL
F.S.E.C.	FOOD SERVICE EQUIPMENT CONTRACTOR	T.Z.V.	TRIPLE ONE VALVE BOX
FH	FIRE HYDRANT	TB	THRUST BLOCK
FSW	FLOW SWITCH	TS	TAMPER SWITCH
FS	FLOOR SINK	TYP.	TYPICAL
FE	FIRE EXTINGUISHER	UR	URINAL
F.A.V.	FRESH AIR INTAKE	V	VACUUM
F.A.V.	FLOW CONTROL VALVE	V	VENT
FD	FLOOR DRAIN	VTR	VENT THROUGH ROOF
FM	FORCED MAIN	VB	VACUUM BREAKER
FLR	FLOOR	YH	YARD HYDRANT
G	NATURAL GAS	W	WASTE
G.C.	GENERAL CONTRACTOR	WB	WASHER BOX
GD	GARAGE DRAIN	WC	WATER CLOSET
GT	GREASE TRAP	WCO	WALL CLEAN OUT
GWH	GAS WATER HEATER	WF	WATER FILTER
HB	HOSE BIBB	WH	WATER HEATER
HC	HOSE CABINET	WOAC	WALL OPENING ABOVE CEILING
HS	HAND SINK	WOBC	WALL OPENING BELOW CEILING
HT	HEAT TRACE		

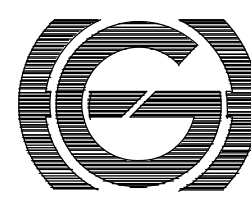
PLUMBING GENERAL NOTES:

- GENERAL NOTES APPLY TO ALL PLUMBING DRAWINGS.
- THE DRAWINGS SHOW A GENERAL REPRESENTATION OF QUANTITIES AND LOCATIONS OF EXISTING PLUMBING COMPONENTS AND SYSTEMS, AND ARE NOT ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE REMOVAL OF THE PLUMBING BUILDING SYSTEMS TO FULFILL THE INTENT OF THE DESIGN INDICATED BY THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED. REMOVAL WORK IS TO INCLUDE, BUT NOT LIMITED TO REMOVAL OF EQUIPMENT, APPARATUS, SYSTEM ACCESSORIES, PIPING, INSULATION, DOMESTIC WATER HEATERS, VALVES, DROPS, RISERS, AUXILIARY SYSTEMS, PIPING ACCESSORIES, CONTROLS, CONTROL WIRING/TUBING, CONDUITS, BASES, SUPPORTS, HANGERS AND SYSTEM APPURTENANCES.
- PLUMBING PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- ENSURE ALL WORK IS IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE APPLICABLE CONSTRUCTION CODE, AND ALL OTHER FEDERAL, STATE, AND LOCAL AGENCY REGULATIONS HAVING JURISDICTION OVER THIS PROJECT. IN THE EVENT OF ANY DISCREPANCIES BETWEEN AGENCY REQUIREMENTS, OBSERVE THE MORE STRINGENT OF REQUIREMENTS.
- IDENTIFICATION LABELS TO BE USED/MADE FOR ALL SYSTEMS MUST USE THE OWNER'S ROOM NUMBERS AND ROOM NAMES. NOT THE NUMBERS OR NAMES ON THE CONSTRUCTION DOCUMENTS. MEET WITH THE OWNER TO REVIEW AND CONFIRM ROOM NUMBERS AND NAMES PRIOR TO LABELING SYSTEMS.
- TEMPORARILY REMOVE AND REINSTALL ALL CEILINGS IN WORK AREAS AS REQUIRED. CEILING SYSTEMS SHALL BE REINSTALLED AFTER REMOVAL AND NEW WORK ABOVE CEILING HAS BEEN COMPLETED. PROVIDE TEMPORARY SUPPORT ONCE CEILING IS REMOVED FOR ALL CEILING MOUNTED EQUIPMENT AND DEVICES TO REMAIN EXISTING AS-IS.
- COORDINATE ALL SAW-CUTTING, HOLE CORING, PATCHING, AND PAINTING WITH ALL OTHER TRADES PRIOR TO ROUGH IN. PERFORM ALL SAW CUTTING, EXCAVATION, AND BACKFILL AS NECESSARY FOR ALL BELOW SLAB PIPING IN EXISTING BUILDING. PERFORM ALL SAW CUTTING AND PATCHING AS NECESSARY TO PERFORM ABOVE SLAB WORK. MATCH EXISTING MATERIALS, FINISHES, FIRE RATINGS, PAINT COLORS, ETC. IN ALL AREAS OF PATCHING.
- COORDINATE AND FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES, AND FINAL PLACEMENT OF ALL HVAC, PLUMBING, AND ELECTRICAL EQUIPMENT, FIXTURES AND ACCESSORIES WITH THE RESPECTIVE TRADE CONTRACTORS PRIOR TO ROUGH IN. WHEN CONFLICT ARISES, MAKE ANY NECESSARY CHANGES TO ROUTING OF PIPING WITHOUT COMPROMISING THE INTEGRITY AND PERFORMANCE OF THE SYSTEM, AND AT NO ADDITIONAL COST TO THE OWNER.
- INSTALL ALL EQUIPMENT TO MAINTAIN ADEQUATE CLEARANCES PER MANUFACTURER'S REQUIREMENTS. PROVIDE OFFSETS AS NECESSARY TO FACILITATE.
- ALL EQUIPMENT AND OR MATERIAL BEING REMOVED IS THE RESPONSIBILITY OF THE CONTRACTOR AND WILL BE RETAINED, DISPOSED OF, AND REMOVED FROM THE SITE AT THE DIRECTION OF THE OWNER.
- ALL PIPING TO BE CONCEALED UNLESS OTHERWISE INDICATED.
- EQUIPMENT INSULATION SHALL BE INSTALLED AS NOT TO CONCEAL THE EQUIPMENT NAME PLATE.
- PROVIDE HANGERS AND SUPPORTS PER THE SPECIFICATIONS FOR ALL PIPING AND PLUMBING EQUIPMENT TO FACILITATE INSTALLATION OF THE WORK.
- SCHEDULE AND OBTAIN APPROVAL FOR ALL SYSTEM SHUTDOWNS WITH THE OWNER PRIOR TO COMMENCING WITH REMOVAL AND NEW WORK.

REFERENCE DIMENSION

0 1

INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.



**Gillan & Hartmann, Inc.**  
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G&H Project No. 2024-147

Cert. of Auth #240427932-650

ENGINEER  
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JASON J. DUBOWITZ, AIA  
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William D. Hornish  
Architect  
11/01/2024  
Date

F V H D P C . C O M

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planners  
**Fraytak Veisz Hopkins Duthie P C**  
Corporate: 1315 Lower Ferry Road - Trenton - New Jersey 08618  
Pennsylvania: 140 Whittaker Ave - Mont Clare - Pennsylvania 19453

Project Name  
**Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School**

Project Owner Name  
**Egg Harbor Township  
School District**

Project Location  
**2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234**

Project Number  
**5481**  
Project Date  
**11.01.2024**  
Checked By  
**KLH**  
Drawn By  
**BEK**  
Scale  
**AS NOTED**

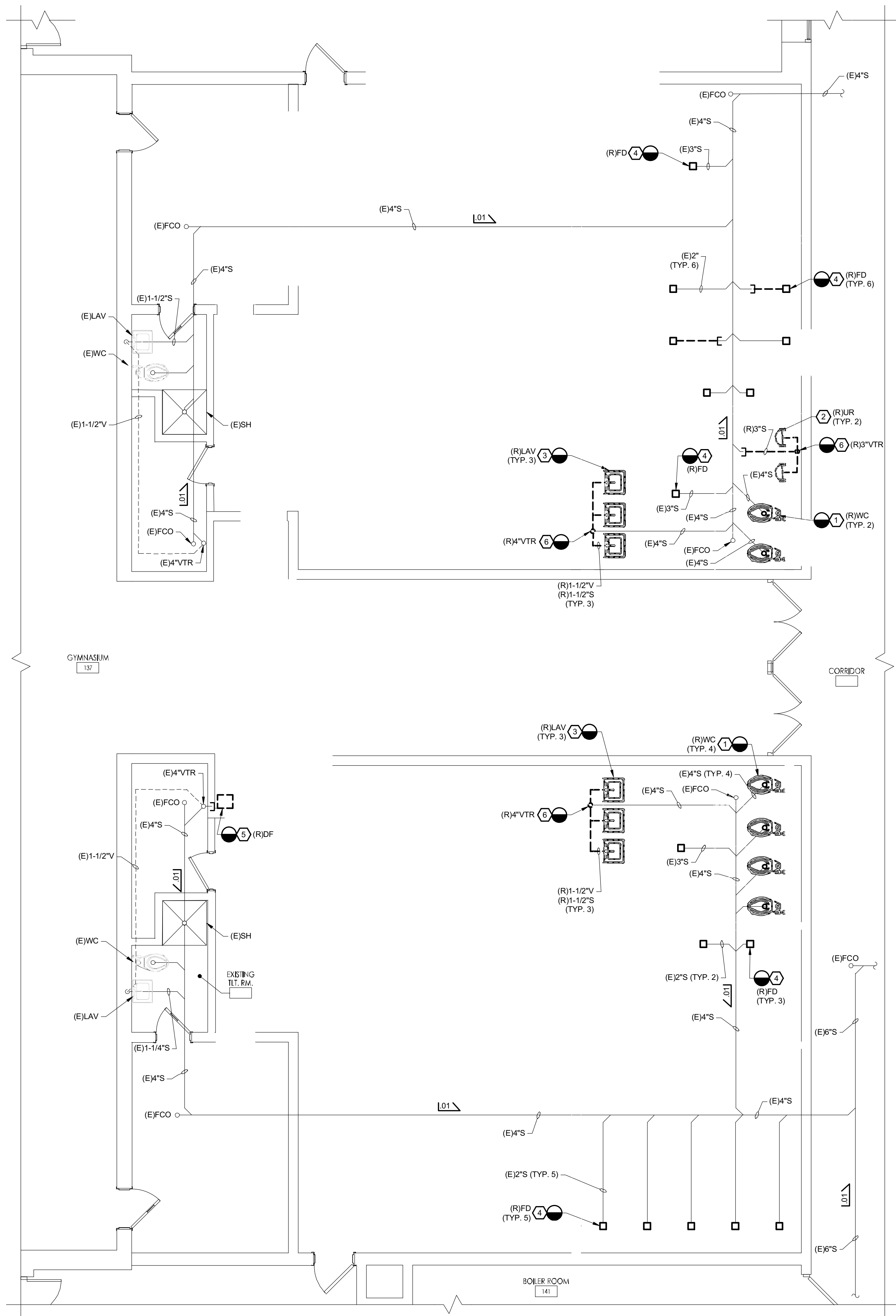
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**PLUMBING  
LEGEND,  
ABBREVIATIONS,  
AND GENERAL  
NOTES**

Revisions  
No. Date Description

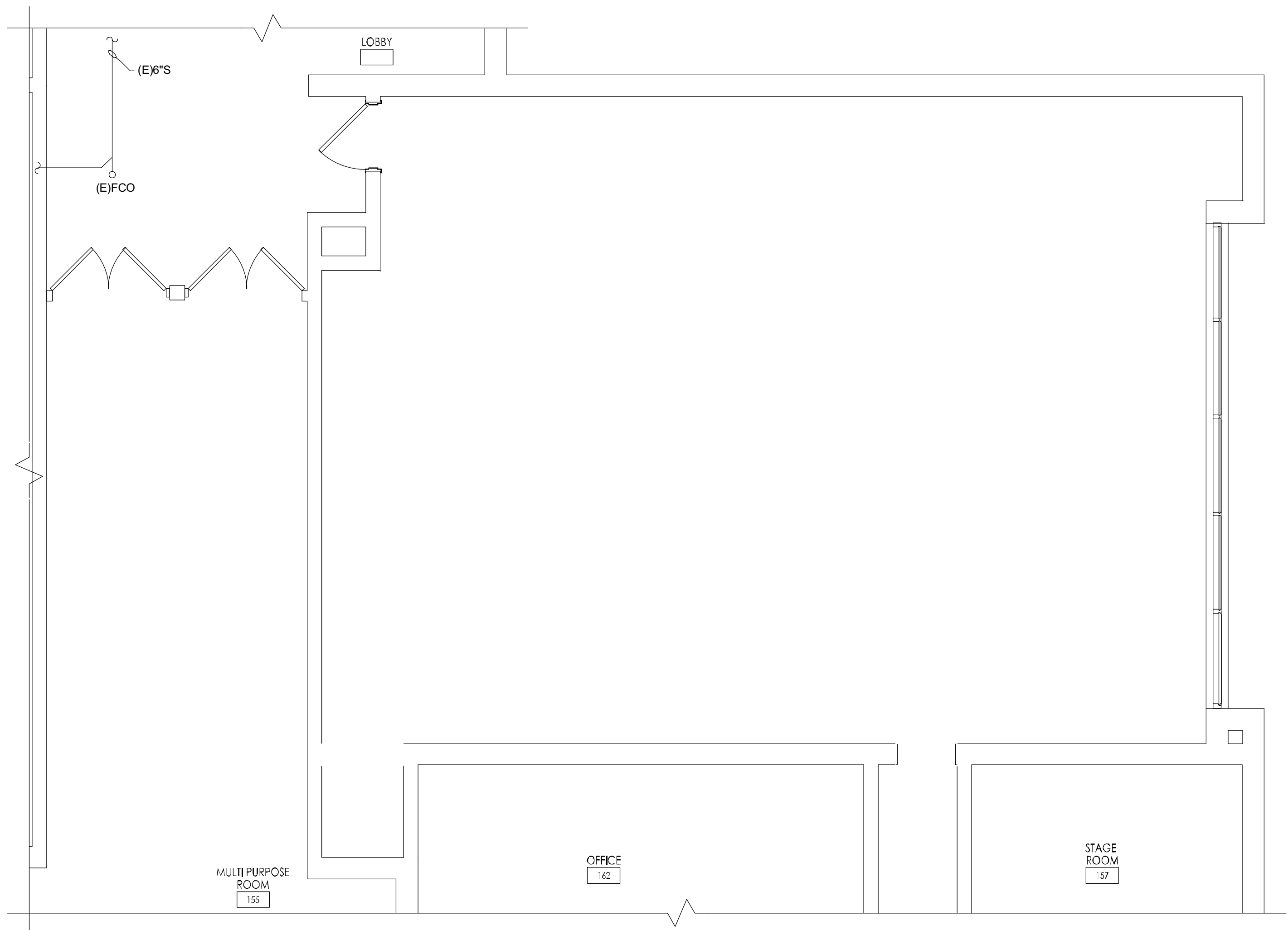
Drawing Number

**P001**





DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING REMOVALS - SANITARY  
P101 E SCALE: 1/4" = 1'-0"

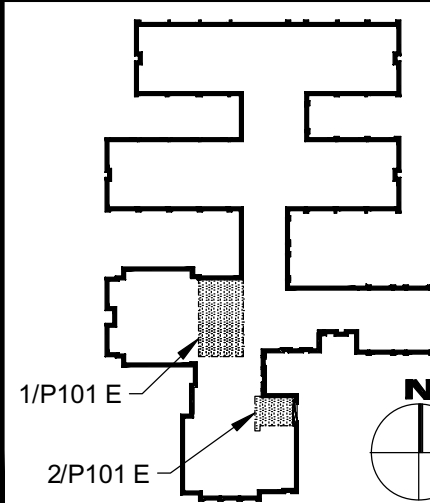


DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING REMOVALS - SANITARY  
P101 E SCALE: 1/4" = 1'-0"

#### REMOVAL NOTES:

- 1 DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED WATER CLOSET, WAX RING, AND ASSOCIATED SANITARY PIPING BACK TO POINT 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- 2 DISCONNECT AND REMOVE EXISTING WALL MOUNTED URINAL AND ASSOCIATED PIPING BACK TO POINT INDICATED.
- 3 DISCONNECT AND REMOVE EXISTING WALL MOUNTED LAVATORY AND ALL ASSOCIATED DRAINS, TAILPIECES, TRAPS, TRAP ARMS, AND PIPING BACK TO POINT INDICATED.
- 4 DISCONNECT AND REMOVE EXISTING FLOOR DRAIN BACK TO POINT 6" BELOW FLOOR AND CAP. PATCH FLOOR TO MATCH EXISTING.
- 5 DISCONNECT AND REMOVE EXISTING WALL MOUNTED DRINKING FOUNTAIN, AND ALL ASSOCIATED CONTROLS, DRAINS, TAILPIECE, TRAPS, TRAP ARMS, AND PIPING BACK TO BEHIND WALL.
- 6 DISCONNECT AND REMOVE EXISTING VENT AND VENT THROUGH ROOF (VTR) IN ITS ENTIRETY. PATCH ROOF TO MATCH EXISTING. ALL PATCHING SHALL BE DONE IN A MANNER TO MAINTAIN THE CURRENT ROOF WARRANTY. REFERENCE ARCHITECTURAL DRAWINGS.

#### KEY PLAN - ELEMENTARY



#### REFERENCE DIMENSION

0 1  
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Cert. of Auth #240427932400

ENGINEER  
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GEORGE R. DUTHIE, JR., AIA, PP  
NJ-2140719950

JASON J. DUBOWITZ, AIA  
NJ-2140719850 | PA-1646037

William D. Hopkins  
Architect

**GEVHHD**  
architects  
planners  
Fraytak Veisz Hopkins Duthie P C

F V H D P C . C O M

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Corporate:  
140 Whittaker Ave - Mont Clure - Pennsylvania 19453  
Pennsylvania:

Project Name

Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name

Egg Harbor Township  
School District

Project Location

2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

Project Number

5481

Project Date

11.01.2024

Checked By

KLH

Drawn By

BEK

Scale

AS NOTED

Drawing Name

ELEMENTARY  
SCHOOL  
PLUMBING  
REMOVALS -  
SANITARY - FIRST  
FLOOR PARTIAL  
PLAN

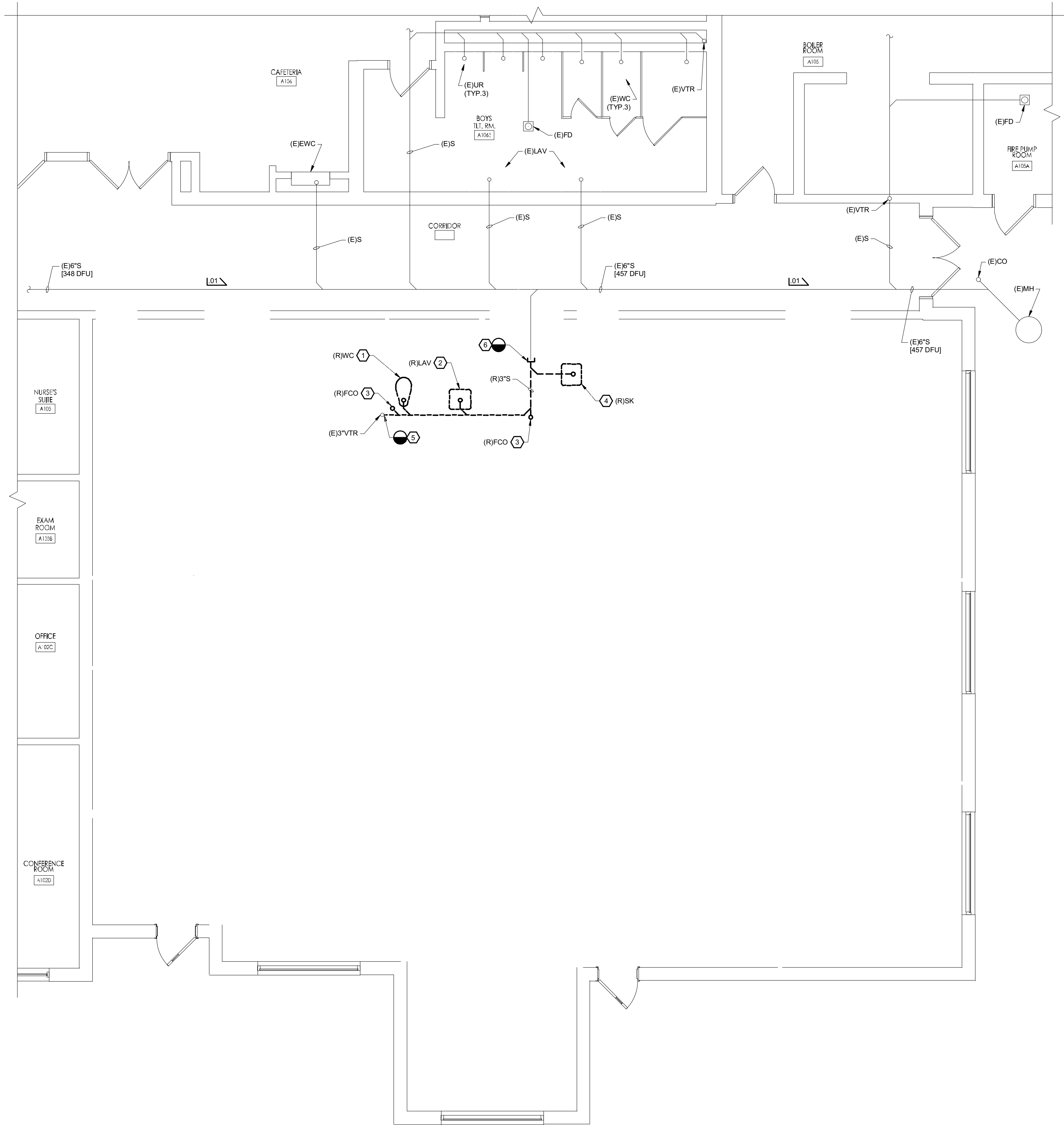
Revisions

No.	Date	Description
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Drawing Number

P101 E



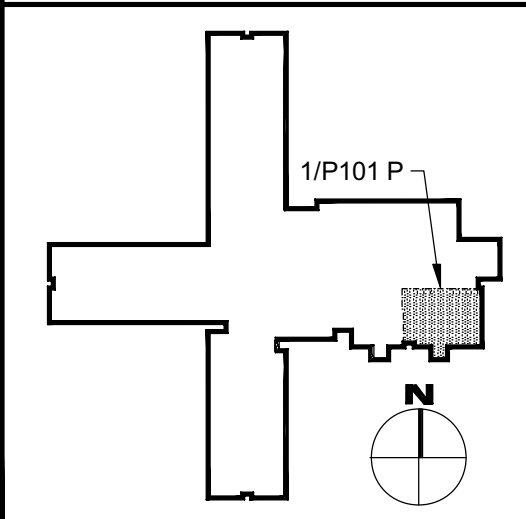


**REMOVAL NOTES:**

1. DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED WATER CLOSET, WAX RING, AND ASSOCIATED SANITARY PIPING BACK TO POINT INDICATED.
2. DISCONNECT AND REMOVE EXISTING WALL MOUNTED LAVATORY AND ALL ASSOCIATED DRAINS, TAILPIECES, TRAPS, TRAP ARMS, AND PIPING BACK TO POINT INDICATED.
3. DISCONNECT AND REMOVE EXISTING FLOOR CLEAN OUT NEAR AREA INDICATED AND PATCH FLOOR TO MATCH EXISTING.
4. DISCONNECT AND REMOVE EXISTING COUNTER MOUNTED SINK BASIN, AND ALL ASSOCIATED DRAINS, TAILPIECES, TRAPS, TRAP ARMS, AND PIPING BACK TO POINT INDICATED.
5. DISCONNECT AND REMOVE EXISTING VENT PIPING BACK TO ABOVE CEILING. RETAIN VENT FOR RECONNECTION UNDER NEW WORK.
6. DISCONNECT AND REMOVE EXISTING SANITARY PIPING BELOW SLAB FLOOR AND CAP NEAR AREA INDICATED.

DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING REMOVALS - SANITARY  
SCALE: 1/4" = 1'-0"

**KEY PLAN - PRIMARY**



**REFERENCE DIMENSION**

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G&H Project No. 2024-147

ENGINEER  
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DATE  
NO. 24GE04470000

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NJ-2140177852 | PA-1646037  
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11/01/2024  
Date

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F V H D P C . C O M

Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

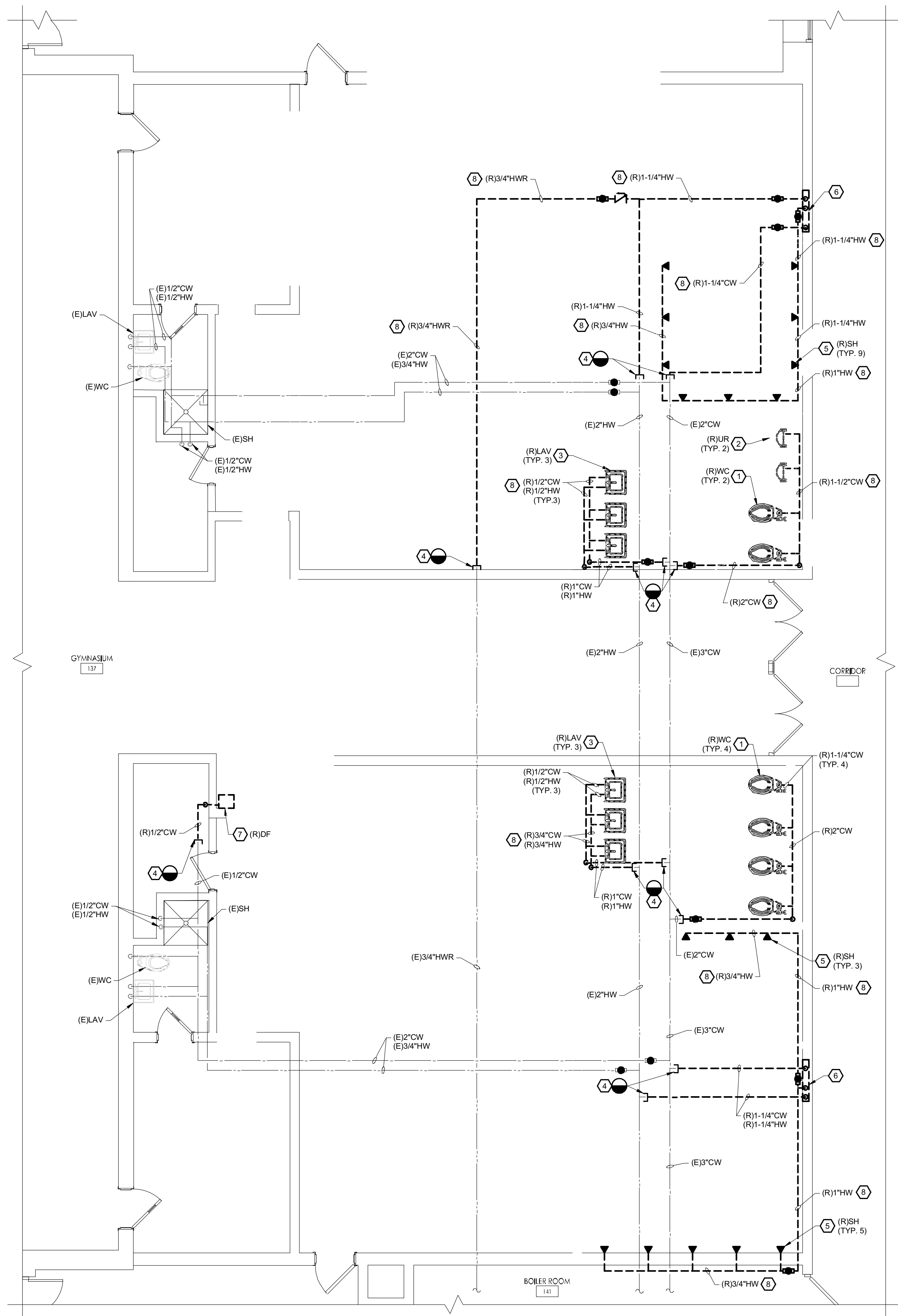
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5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
BEK  
Scale  
AS NOTED

Drawing Name  
PRIMARY  
SCHOOL  
PLUMBING  
REMOVALS -  
SANITARY - FIRST  
FLOOR PARTIAL  
PLAN

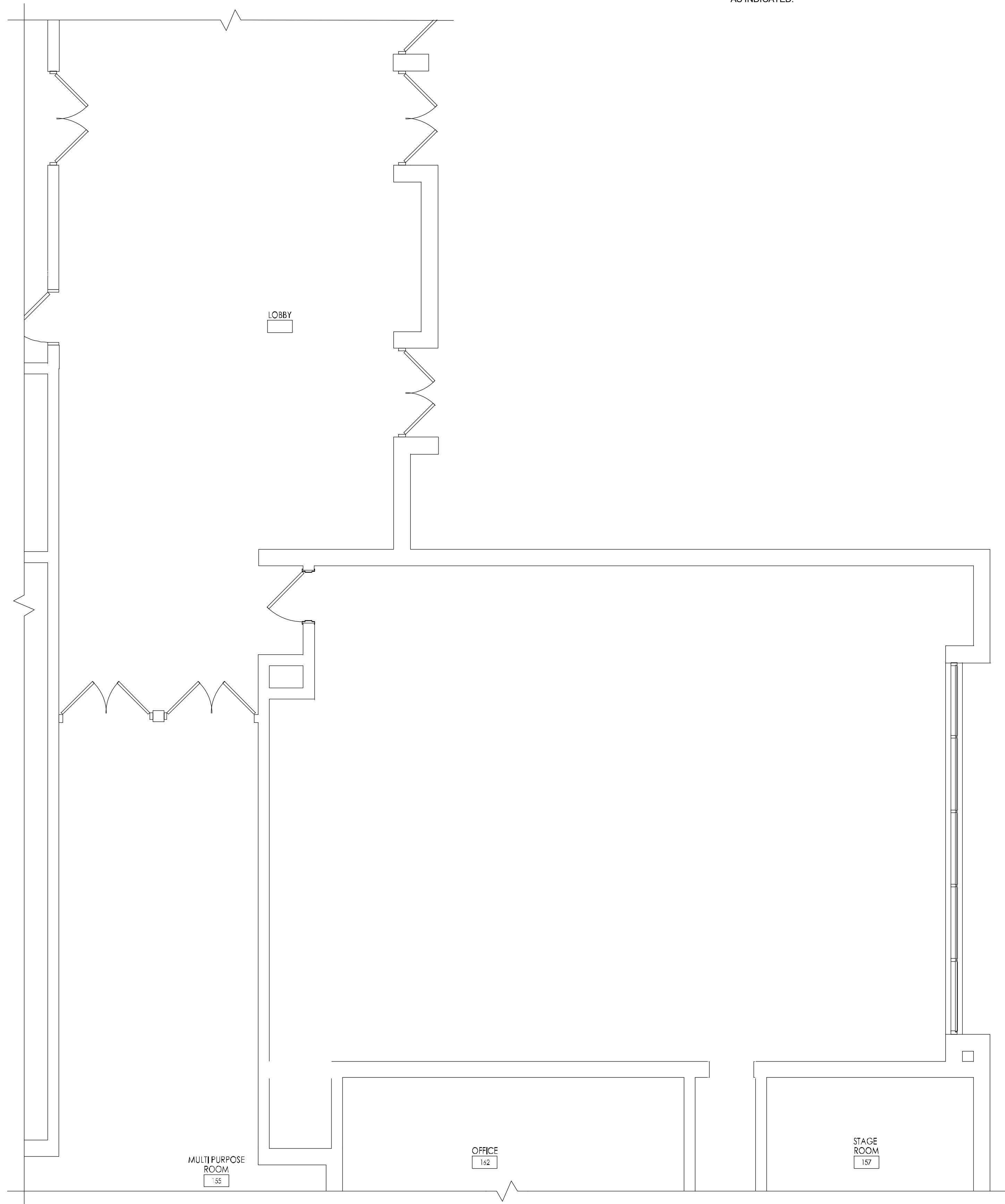
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Drawing Number  
P101 P





DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING REMOVALS - DOMESTIC WATER  
1 P102 E SCALE: 1/4" = 1'-0"

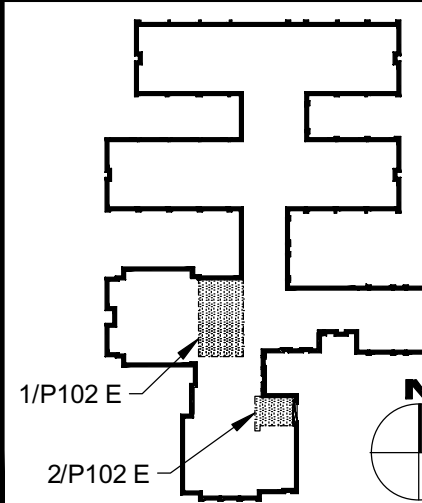


DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING REMOVALS - DOMESTIC WATER  
2 P102 E SCALE: 1/4" = 1'-0"

REMOVAL NOTES:

- 1 DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED WATER CLOSET, FLUSH VALVE, AND ASSOCIATED DOMESTIC WATER PIPING BACK TO POINT INDICATED.
- 2 DISCONNECT AND REMOVE EXISTING WALL MOUNTED URINAL, FLUSH VALVE, AND ASSOCIATED DOMESTIC WATER PIPING BACK TO POINT INDICATED.
- 3 DISCONNECT AND REMOVE EXISTING WALL MOUNTED LAVATORY, FAUCET, ASSOCIATED MIXING VALVE, COLD WATER & HOT WATER SUPPLIES, ANGLE STOPS, AND PIPING BACK TO POINT INDICATED.
- 4 DISCONNECT AND REMOVE EXISTING HOT WATER & COLD WATER PIPING BACK TO POINT INDICATED AND CAP.
- 5 DISCONNECT AND REMOVE EXISTING SHOWER ENCLOSURE, SHOWER HEAD, FAUCET, VALVES, ASSOCIATED DOMESTIC WATER PIPING AND ACCESSORIES BACK TO POINT INDICATED.
- 6 DISCONNECT AND REMOVE SHOWER CONTROL PANEL AND ALL DOMESTIC WATER PIPING BACK TO POINT INDICATED ABOVE THE CEILING AND CAP PIPING TO REMAIN. PATCH AND PAINT WALL TO MATCH EXISTING.
- 7 DISCONNECT AND REMOVE EXISTING WALL MOUNTED DRINKING FOUNTAIN, AND ALL ASSOCIATED CONTROLS, AND DOMESTIC WATER PIPING BACK TO POINT INDICATED. PATCH AND PAINT WALL TO MATCH EXISTING.
- 8 REMOVE DOMESTIC HOT, COLD AND TEMPERED WATER PIPING, INCLUDING VALVES, INSULATION AND HANGERS, AS INDICATED.

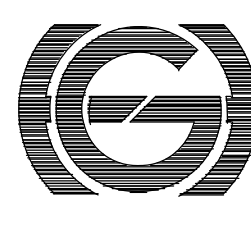
KEY PLAN - ELEMENTARY



REFERENCE DIMENSION

0 1

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G&H Project No. 2024-147

Cert. of Auth #240427932-630

ENGINEER  
MICHAEL S. GILLAN, PE

DATE  
NO. 24GE04470000

11/01/2024  
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NJ-2140717860 | PA-1646037  
Architect  
11/01/2024  
Date

**GEVHHD** architects  
planners  
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Pennsylvania: 140 Whittaker Ave - Mont Clure - Pennsylvania 19453  
F V H D P C . C O M

Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

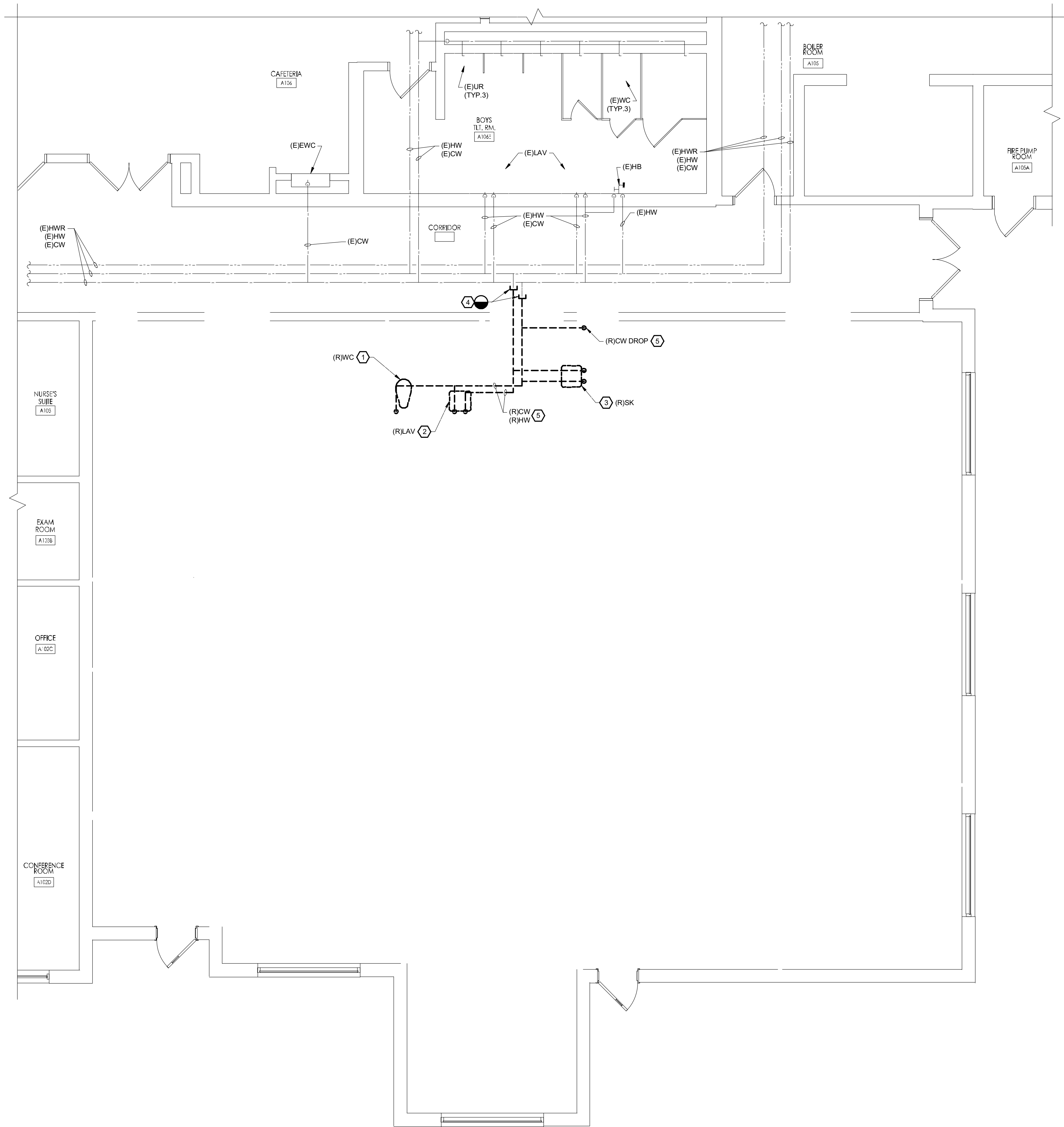
Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
BEK  
Scale  
AS NOTED

Drawing Name  
ELEMENTARY  
SCHOOL  
PLUMBING  
REMOVALS -  
DOMESTIC  
WATER - FIRST  
FLOOR PARTIAL  
PLAN

Revisions  
No. Date Description

Drawing Number

P102 E

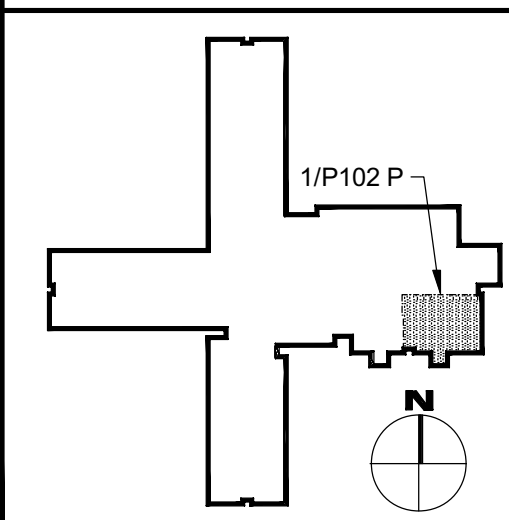


DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING REMOVALS - DOMESTIC WATER  
SCALE: 1/4" = 1'-0"

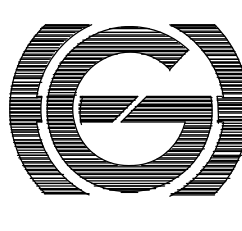
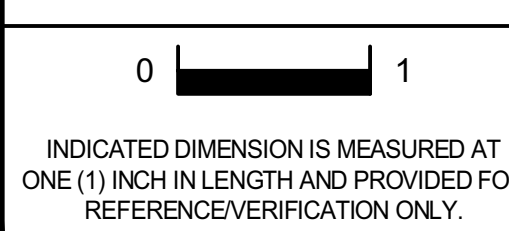
REMOVAL NOTES:

- 1 DISCONNECT AND REMOVE EXISTING FLOOR MOUNTED WATER CLOSET, FLUSH VALVE, AND ASSOCIATED DOMESTIC WATER PIPING BACK TO POINT INDICATED.
- 2 DISCONNECT AND REMOVE EXISTING WALL MOUNTED LAVATORY, FAUCET, ASSOCIATED MIXING VALVE, COLD WATER & HOT WATER SUPPLIES, ANGLE STOPS, AND PIPING BACK TO POINT INDICATED.
- 3 DISCONNECT AND REMOVE EXISTING COUNTER MOUNTED SINK BASIN, FAUCET, DRINKING BUBBLER, ASSOCIATED MIXING VALVE, COLD WATER & HOT WATER SUPPLIES, ANGLE STOPS, AND PIPING BACK TO POINT INDICATED.
- 4 DISCONNECT AND REMOVE EXISTING HOT WATER & COLD WATER PIPING BACK TO POINT INDICATED AND CAP.
- 5 REMOVE DOMESTIC HOT, COLD AND TEMPERED WATER PIPING, INCLUDING VALVES, INSULATION AND HANGERS, AS INDICATED.

KEY PLAN - PRIMARY



REFERENCE DIMENSION



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ENGINEER  
MICHAEL S. GILLAN, PE

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11/01/2024

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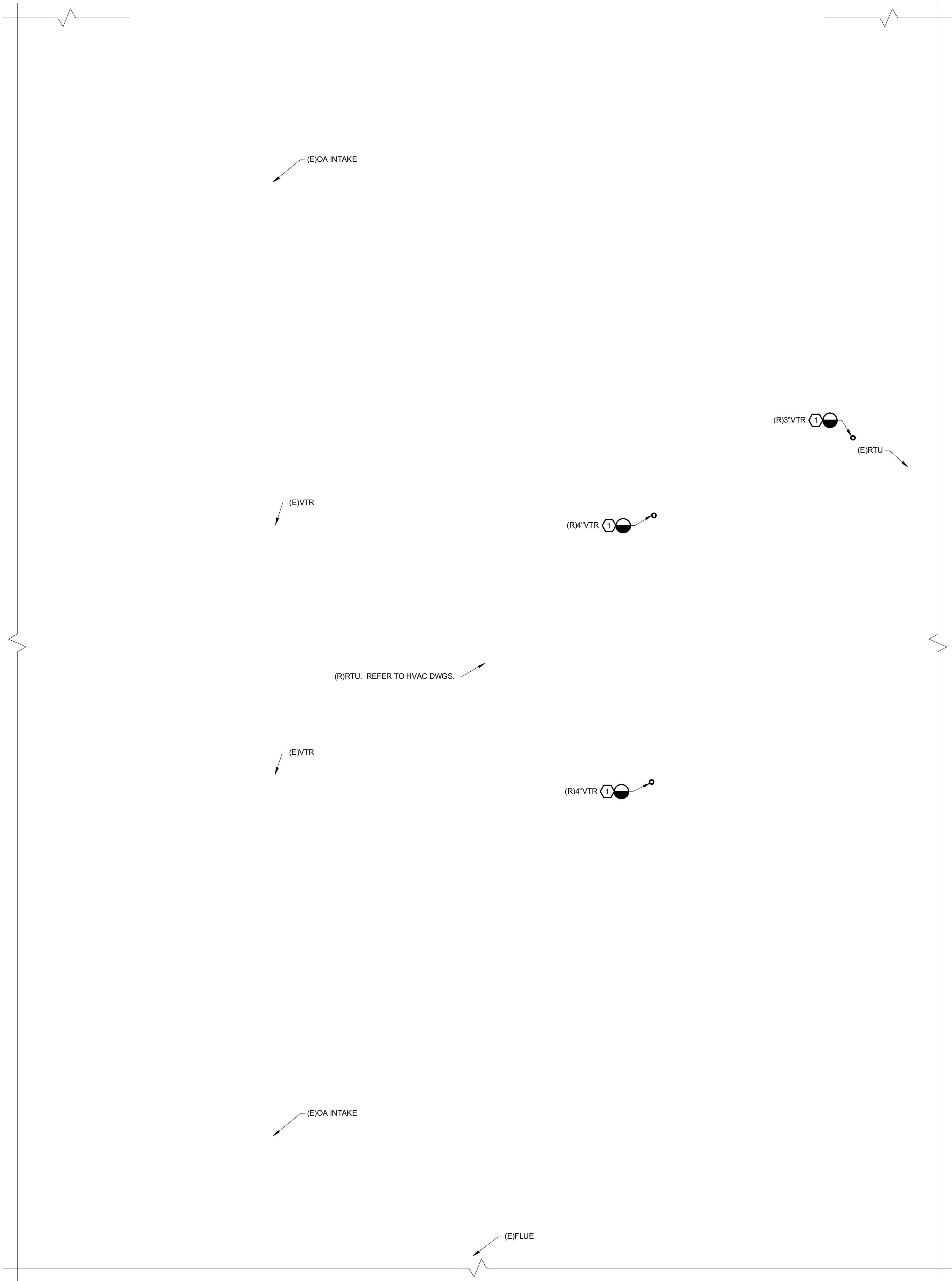
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PRIMARY  
SCHOOL  
PLUMBING  
REMOVALS -  
DOMESTIC  
WATER - FIRST  
FLOOR PARTIAL  
PLAN

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Drawing Number

P102 P



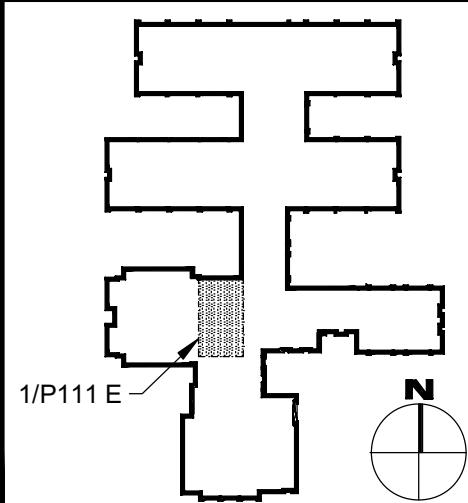


REMOVAL NOTES:

- ① REMOVE EXISTING VENT THROUGH ROOF (VTR) AND ALL ASSOCIATED PIPING, HANGERS AND ANCHORS. COORDINATE ALL CUTTING, PATCHING & PAINTING AS REQUIRED TO MATCH EXISTING. FOR CONTINUATION, REFER TO FIRST FLOOR REMOVAL WORK PLANS.

DAVENPORT ELEMENTARY SCHOOL  
PARTIAL ROOF PLAN - PLUMBING REMOVALS  
1  
P111 E SCALE: 1/4" = 1'-0"

KEY PLAN - ELEMENTARY



REFERENCE DIMENSION

0 1  
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DATE  
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JASON J. DUBOWITZ, AIA  
NJ-2140717850 | PA-16A0037

*William D. Hopkins III*  
Architect  
11/01/2024  
Date

**GEVH D**  
architects  
planners  
Fraytak Veisz Hopkins Duthie P C

1315 Lower Ferry Road - Trenton - New Jersey 08618  
Corporate:  
Pennsylvania: 140 Whittaker Ave - Mont Clare - Pennsylvania 19453

F V H D P C . C O M

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BEK

Scale

AS NOTED

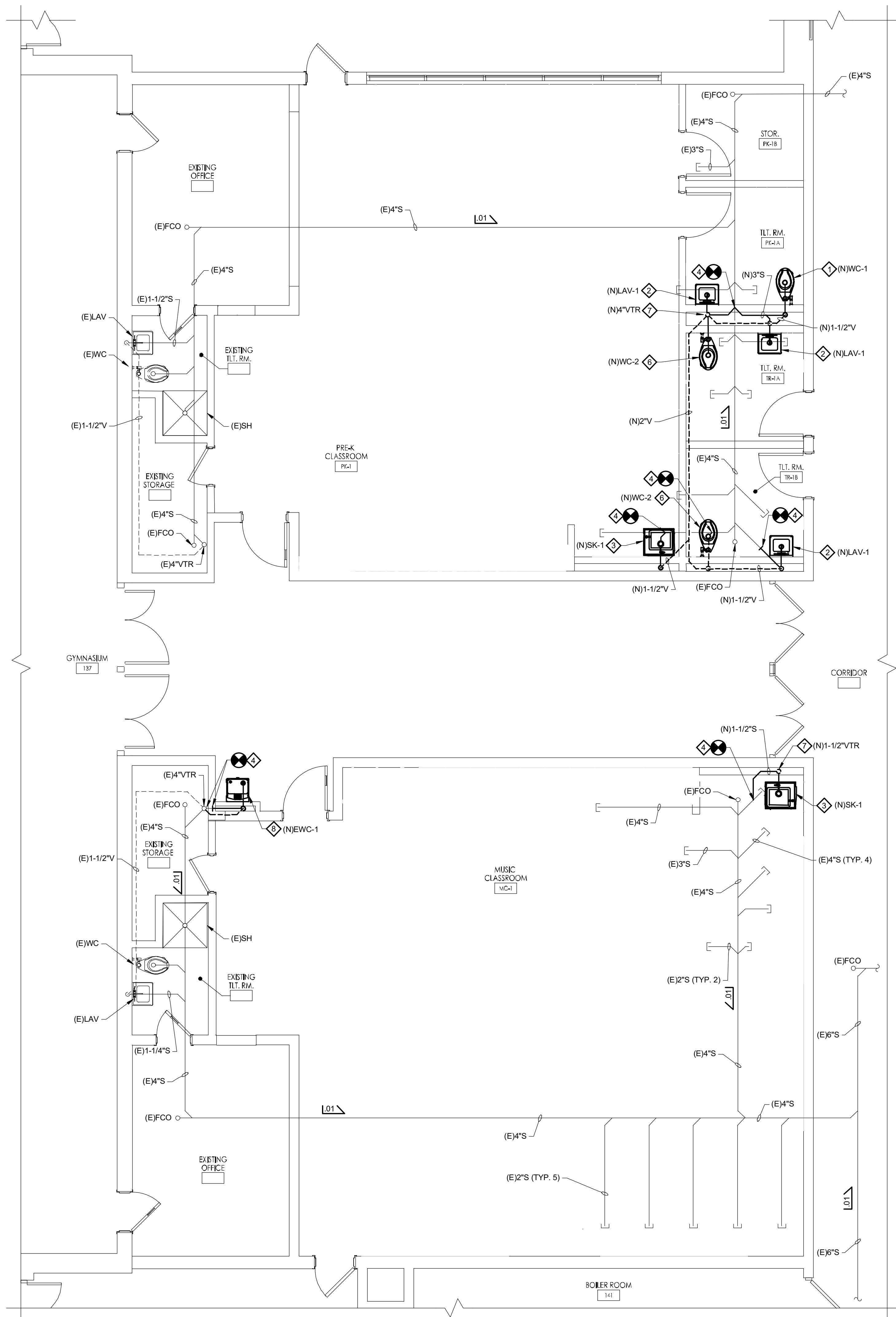
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ELEMENTARY  
SCHOOL  
PLUMBING  
REMOVALS -  
PARTIAL ROOF  
PLAN

Revisions

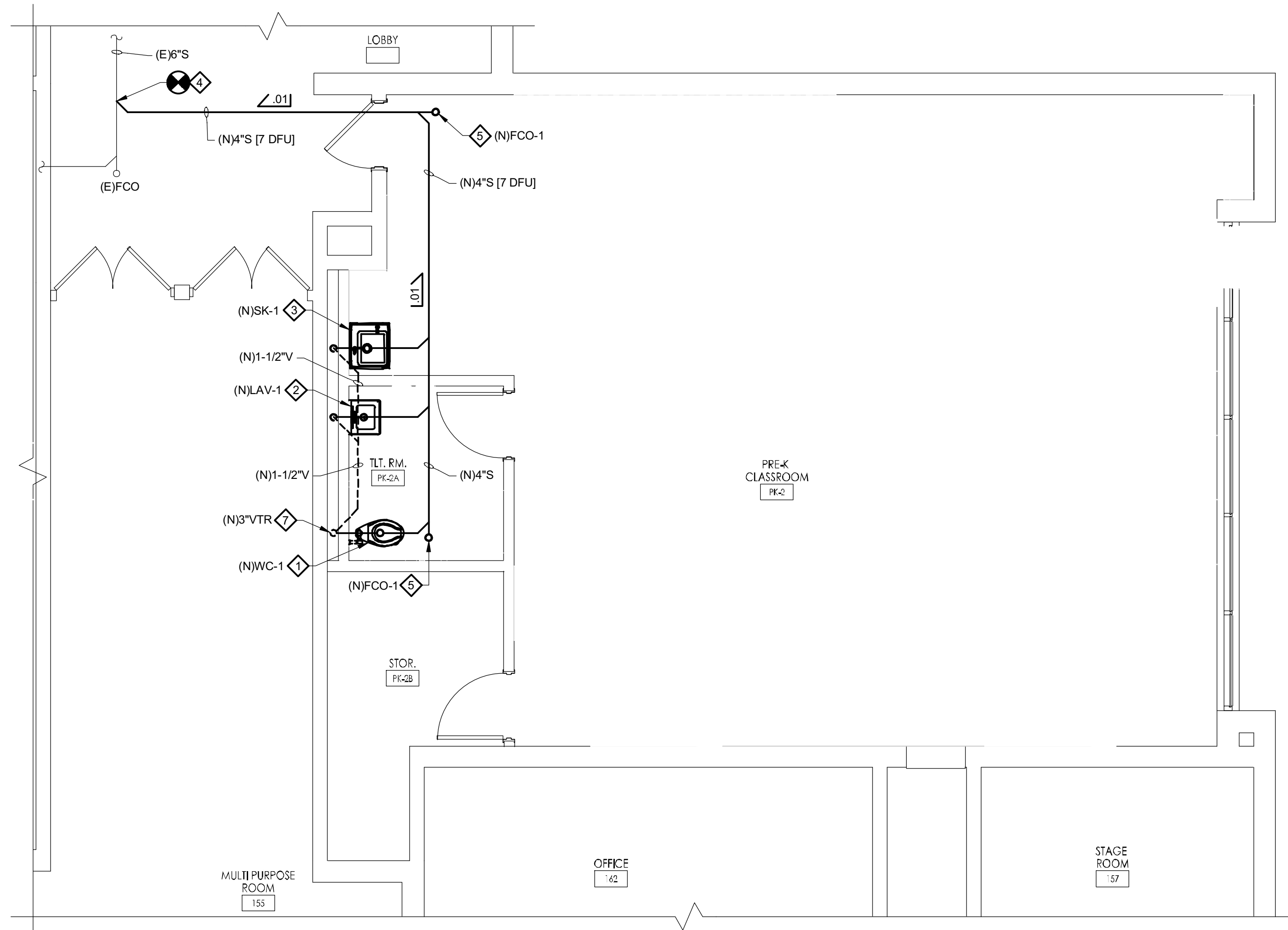
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Drawing Number

P111 E



DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING NEW WORK - SANITARY  
P201 E SCALE: 1/4" = 1'-0"

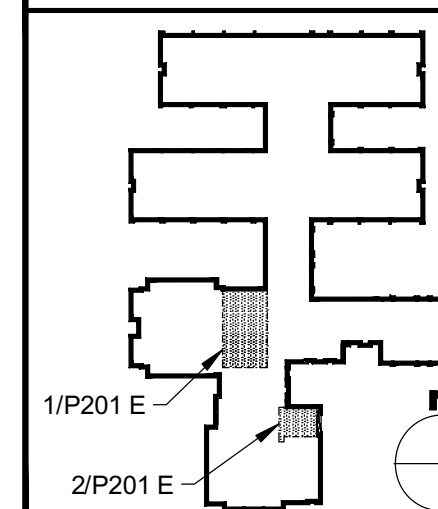


DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - PLUMBING NEW WORK - SANITARY  
P201 E SCALE: 1/4" = 1'-0"

# NEW WORK NOTES:

- PROVIDE FLOOR MOUNTED WATER CLOSET (WC-1), 3" SANITARY DROP, AND 1-1/2" VENT RISE.
- PROVIDE WALL MOUNTED LAVATORY (LAV-1) PER MANUFACTURERS REQUIREMENTS WITH NEW DRAIN, TAILPIECE, TRAP, AND TRAP ARM. 1-1/2" SANITARY FROM LAV-1 DOWN IN CHASE AND 1-1/2" VENT UP, MOUNT AT ADA HEIGHT.
- REFER TO ARCHITECTURAL DOCUMENTS FOR COUNTER MOUNTED HAND SINK (SK-1) DETAILS. INSTALL STRAINER, TAILPIECE, AND ACCESSORIES FURNISHED WITH SK-1. PROVIDE NEW 1-1/2" FROM SK-1, TRAP/TRAP ARM DOWN, AND 1-1/2" VENT RISE.
- EXTEND AND CONNECT NEW PIPING TO EXISTING TO POINT INDICATED. ADJUST PIPE ROUTE AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS.
- PROVIDE FLOOR CLEAN OUT (FCO-1), SIZE TO MATCH BRANCH ITS SERVING. COVER FINISH AS SELECTED BY ARCHITECT.
- PROVIDE FLOOR MOUNTED WATER CLOSET (WC-2), 3" SANITARY DROP, AND 1-1/2" VENT RISE.
- APPROXIMATE LOCATION OF VENT THROUGH ROOF (VTR). VENT DISCHARGE SHALL BE LOCATED NO CLOSER THAN 10' FROM ALL OUTDOOR AIR INTAKES, ADJUST AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS.
- PROVIDE WALL MOUNTED ELECTRIC WATER COOLER (EWC), AND ALL ASSOCIATED CONTROLS, DRAINS, TAILPIECE, TRAP, AND TRAP ARM. 1-1/2" SANITARY FROM EWC-1 DOWN AND 1-1/2" VENT RISE. PROVIDE ALL NECESSARY PIPING, FITTINGS, AND APPURTENANCES TO MAKE FINAL CONNECTION.

## KEY PLAN - ELEMENTARY



## REFERENCE DIMENSION

0 1  
INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.



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DATE  
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Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
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Township, NJ 08234

Project Number  
5481  
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KLH  
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BEK  
Scale  
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Drawing Name  
ELEMENTARY  
SCHOOL  
PLUMBING NEW  
WORK - SANITARY  
- FIRST FLOOR  
PARTIAL PLAN

Revisions  
No. Date Description

Drawing Number  
P201 E





- 1 PROVIDE FLOOR MOUNTED WATER CLOSET (WC-1), 3" SANITARY DROP, AND 1-1/2" VENT RISE.
- 2 PROVIDE WALL MOUNTED LAVATORY (LAV-1) PER MANUFACTURERS REQUIREMENTS WITH NEW DRAIN, TALPIECE, TRAP, AND TRAP ARM. TRAP FROM LAV-1 DOWN IN CHASE AND 1-1/2" VENT UP, MOUNT AT ADA HEIGHT.
- 3 REFER TO ARCHITECTURAL DOCUMENTS FOR COUNTER MOUNTED HAND SINK (SK-1) DETAILS. INSTALL STRAINER, TALPIECE, AND ACCESSORIES FURNISHED WITH SK-1. PROVIDE NEW 1-1/2" FROM SK-1, TRAP/TRAP ARM DOWN, AND 1-1/2" RISE.
- 4 EXTEND AND CONNECT NEW SANITARY PIPING TO EXISTING NEAR AREA INDICATED. ADJUST PIPE ROUTE AS REQUIRED TO AVOID CONFLICTS WITH EXISTING CONDITIONS.
- 5 PROVIDE FLOOR CLEAN OUT (FCO-1). SIZE TO MATCH BRANCH ITS SERVING. COVER FINISH AS SELECTED BY ARCHITECT.
- 6 PROVIDE WALL/FLOOR SLEEVES THROUGH ABOVE AND BELOW GRADE WALLS/FOUNDATIONS FOR ALL PIPE PENETRATIONS. PENETRATION RATING SHALL MATCH EXISTING WALL/FLOOR RATING.
- 7 EXTEND AND CONNECT NEW 3" VENT PIPING TO EXISTING 3" VENT THROUGH ROOF (VTR) NEAR AREA INDICATED.
- 8 EXTEND AND CONNECT TO NEW COOLING COIL CONDENSATE (COC) PIPING IN CHASE AND MAKE FINAL CONNECTION TO THE SANITARY SYSTEM. SIZE TO MATCH CCC PIPING. REFER TO MECHANICAL DRAWING #1#1#22P FOR ADDITIONAL INFORMATION.



ENGINEER	DATE
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P201 P



P202 E

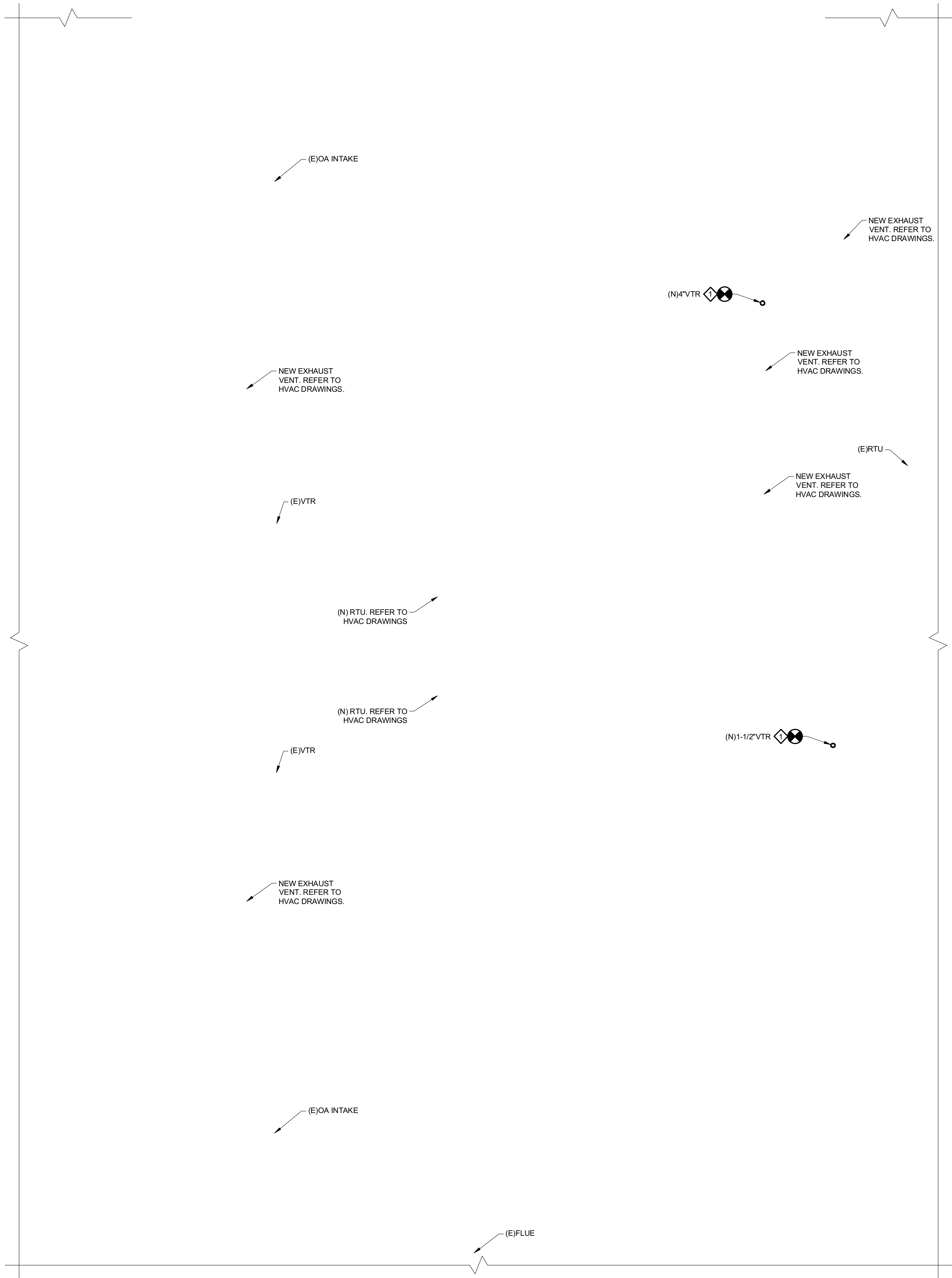
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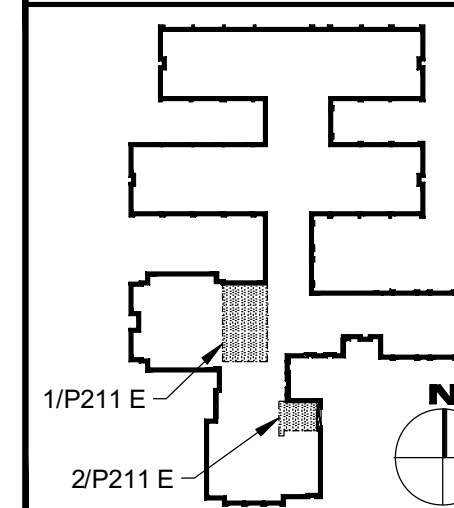
**NEW WORK NOTES:**

- ◇ APPROXIMATE LOCATION OF VENT THROUGH ROOF (VTR). ADJUST FINAL PLACEMENT TO AVOID CONFLICTS. REFER TO PLUMBING DETAILS AND ARCHITECTURAL PLANS FOR ADDITIONAL INSTALLATION REQUIREMENTS AND COORDINATE ALL CUTTING, PATCHING AND FLASHING. FOR CONTINUATION, REFER TO FIRST FLOOR NEW WORK PLANS.

DAVENPORT ELEMENTARY SCHOOL  
PARTIAL ROOF PLAN - PLUMBING NEW WORK  
1  
P211 E  
SCALE: 1/4" = 1'-0"

DAVENPORT ELEMENTARY SCHOOL  
PARTIAL ROOF PLAN - PLUMBING NEW WORK  
2  
P211 E  
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**KEY PLAN - ELEMENTARY**



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Architect  
11/01/2024  
Date



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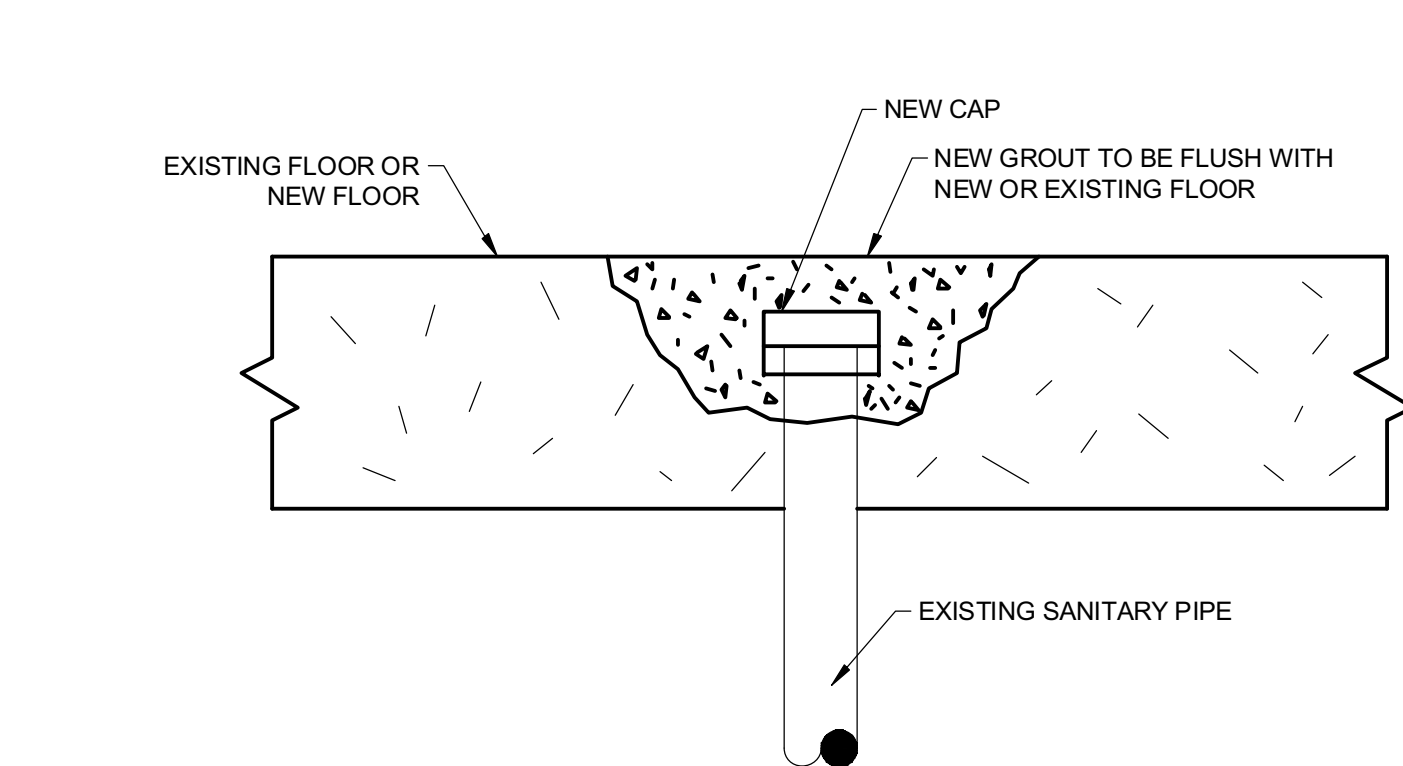
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Drawing Name  
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SCHOOL  
PLUMBING NEW  
WORK - PARTIAL  
ROOF PLAN

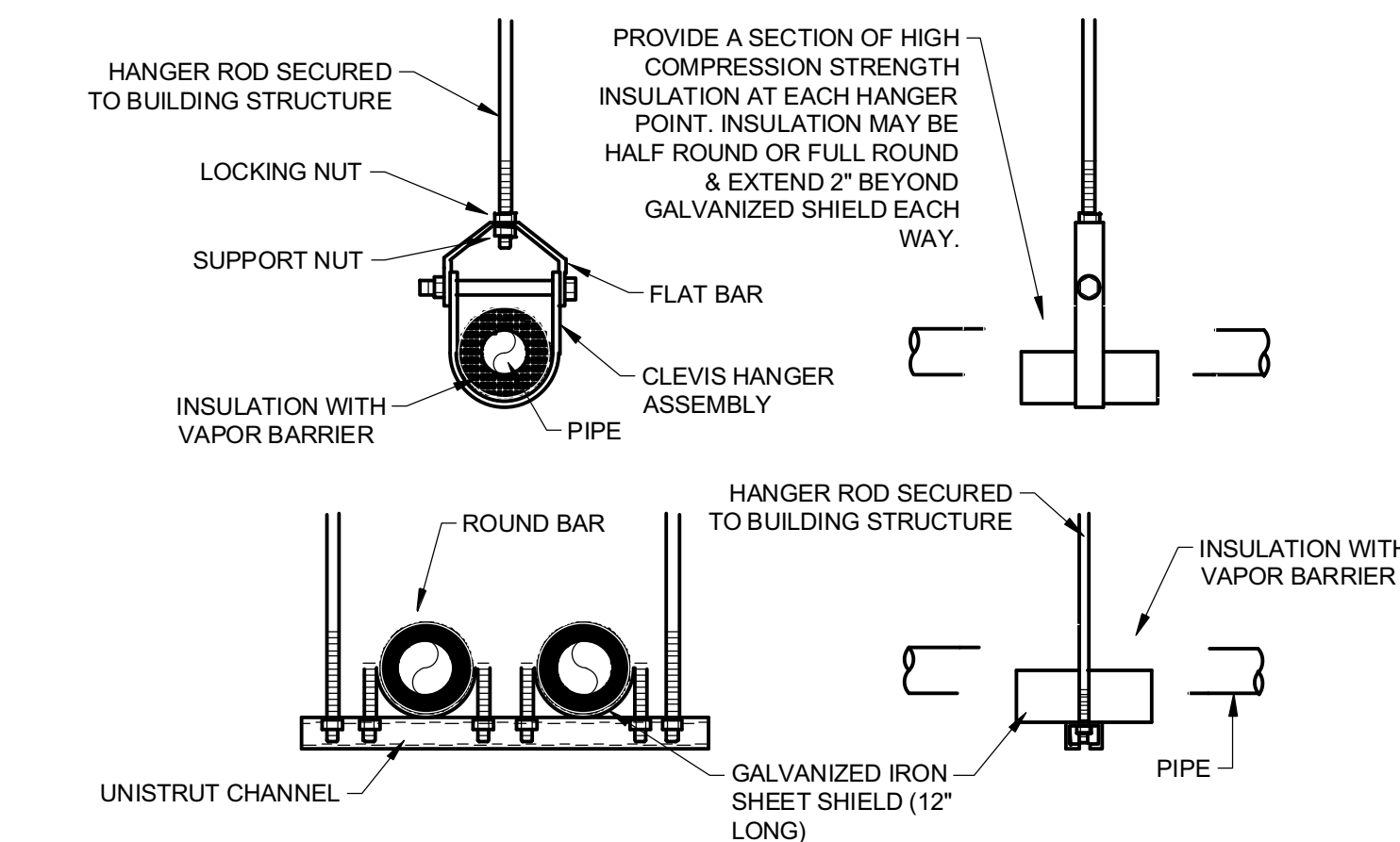
Revisions  
No. Date Description

Drawing Number  
P211 E

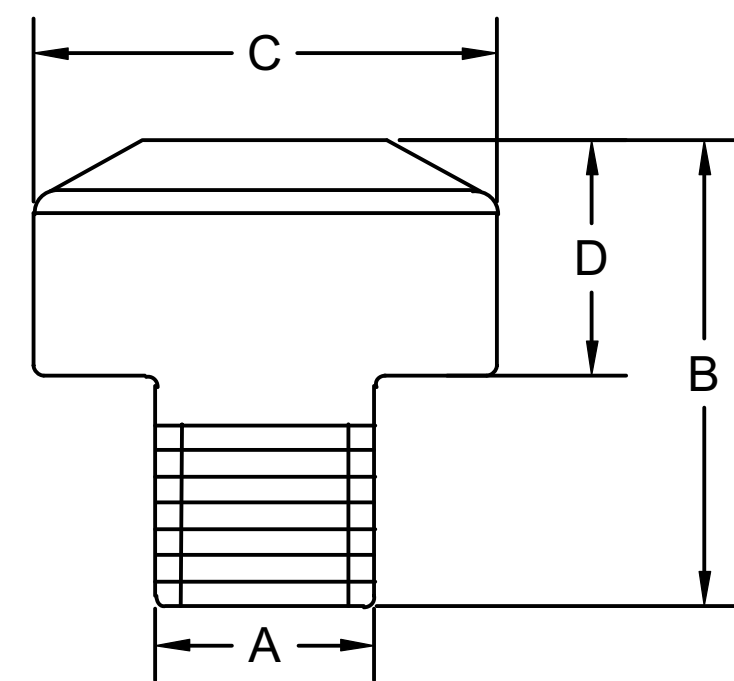




1 DETAIL - CAPPING OF EXISTING SANITARY PIPE  
P501 NO SCALE

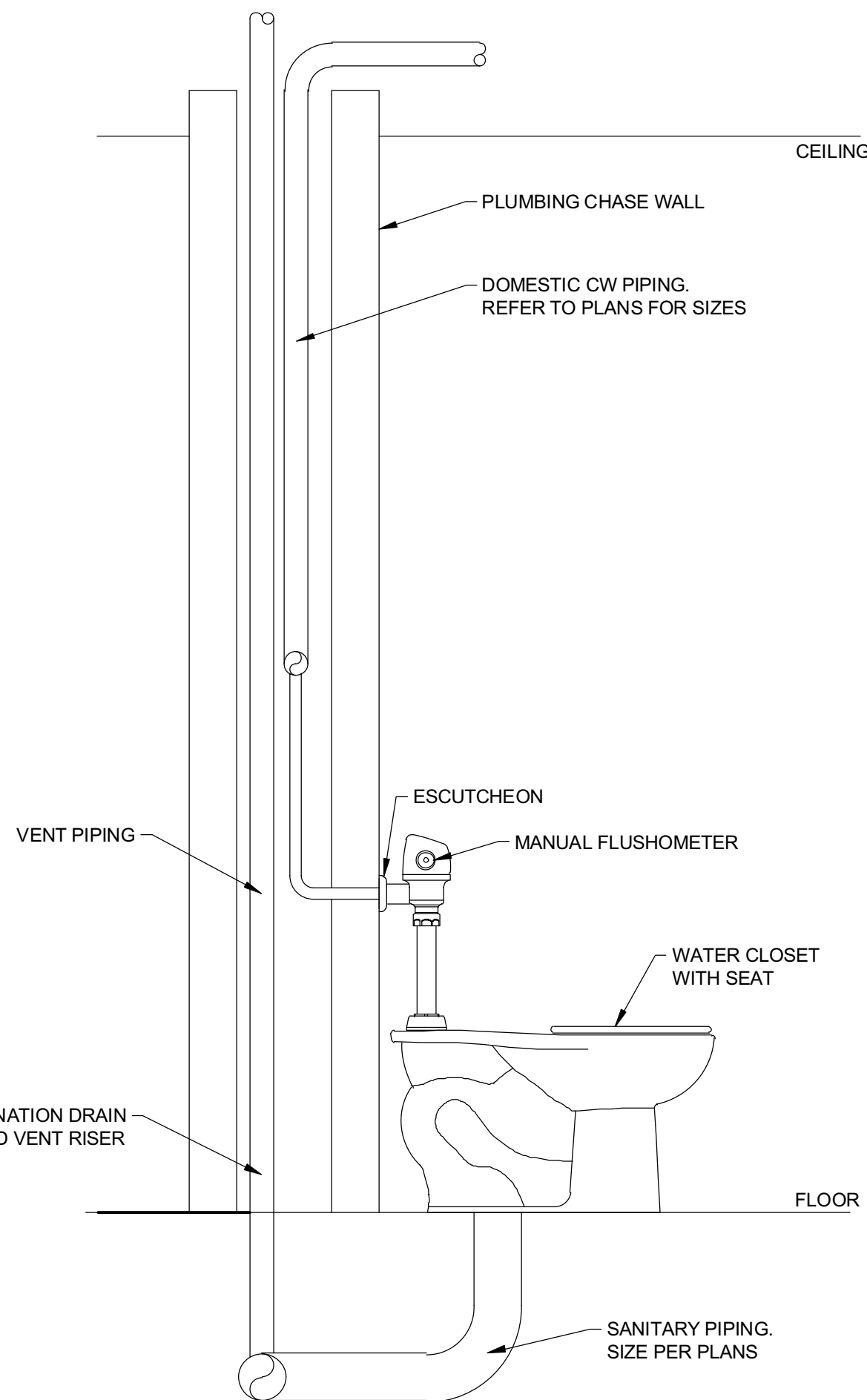


2 DETAIL-PIPE HANGERS  
P501 NO SCALE

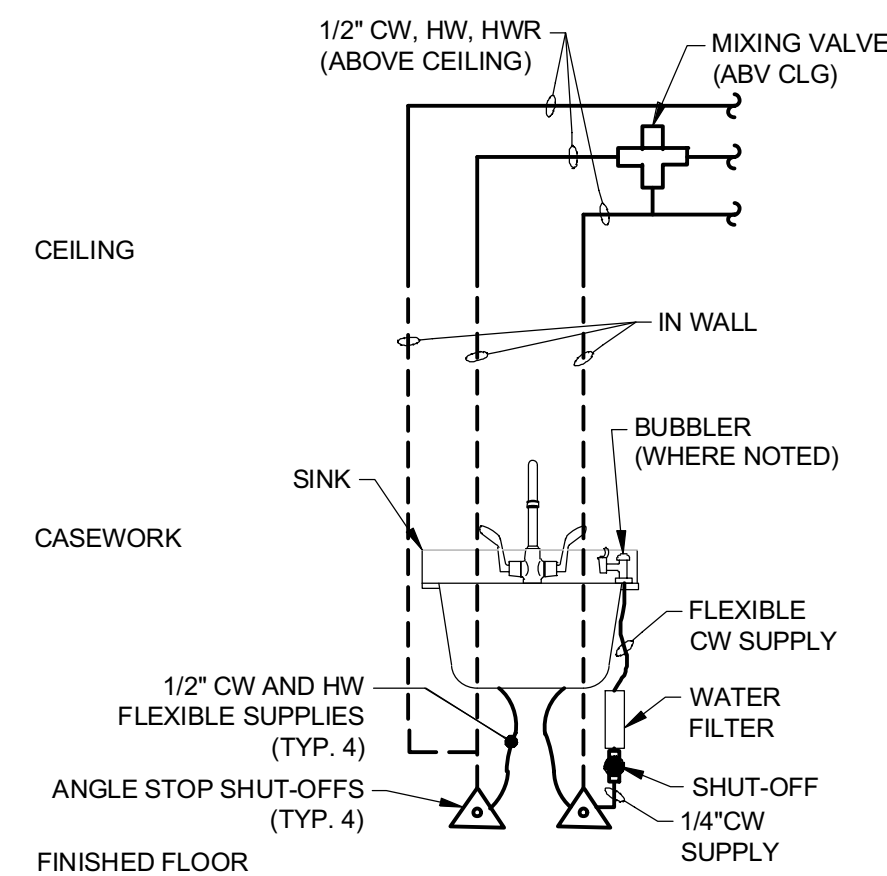


WATER HAMMER ARRESTER SCHEDULE							
PCN/FIG. NO.	P.D.I. SYMBOL	FIXTURE UNIT RATING	A SIZE	B	C	D	
5005	A	1-11	3/4"	3.18"	3.25"	1.80"	
5010	B	12-32	1	3.93"	3.25"	2.13"	
5020	C	33-60	1	4.30"	3.25"	2.42"	
5030	D	61-113	1	5.25"	3.25"	3.38"	
5040	E	114-154	1	5.57"	3.25"	3.57"	
5050	F	155-330	1	6.53"	3.25"	4.50"	

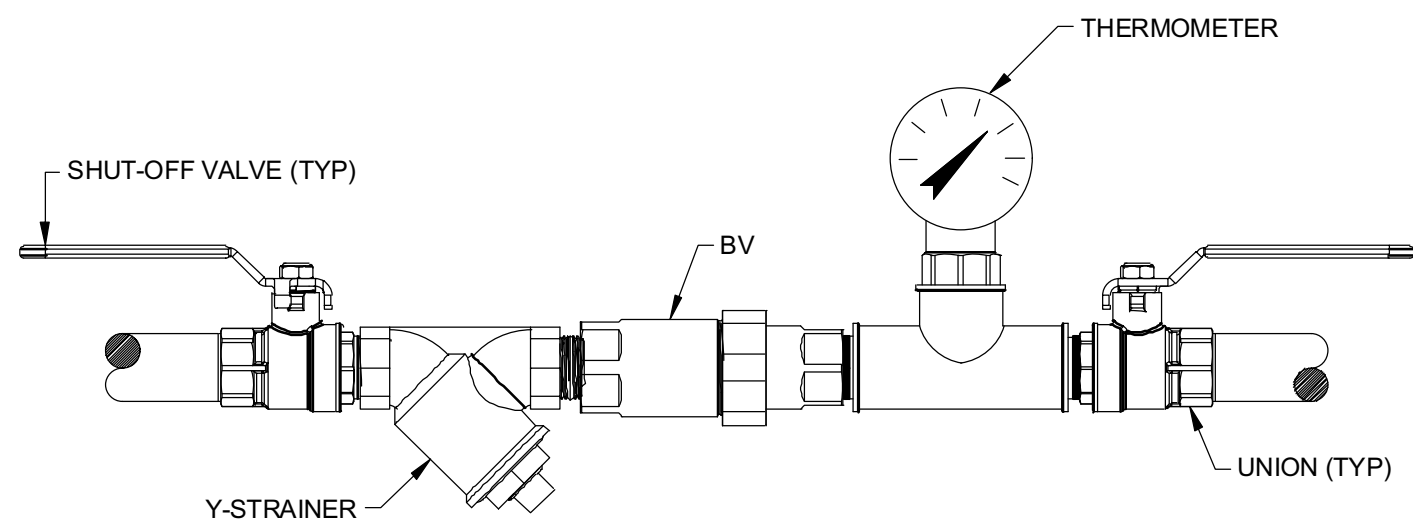
- NOTES:
- REFER TO ARCHITECTURAL DOCUMENTS FOR CHASE CONSTRUCTION DETAILS.
  - REFER TO PLANS FOR PIPE SIZES AND ROUTINGS.



6 DETAIL - CHASE AT TOILET  
P501 NO SCALE

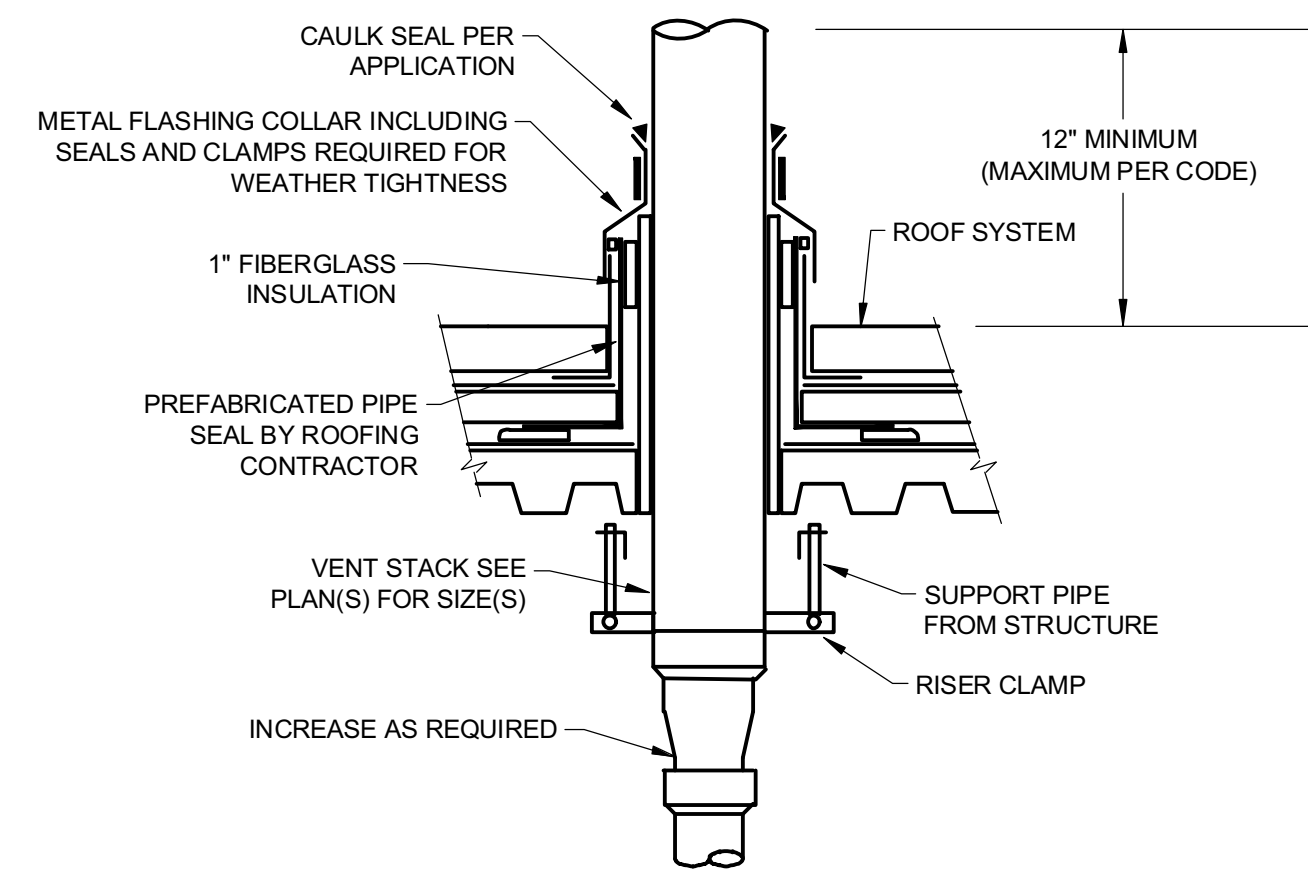


3 DETAIL - SINK WITH BUBBLER  
P501 NO SCALE

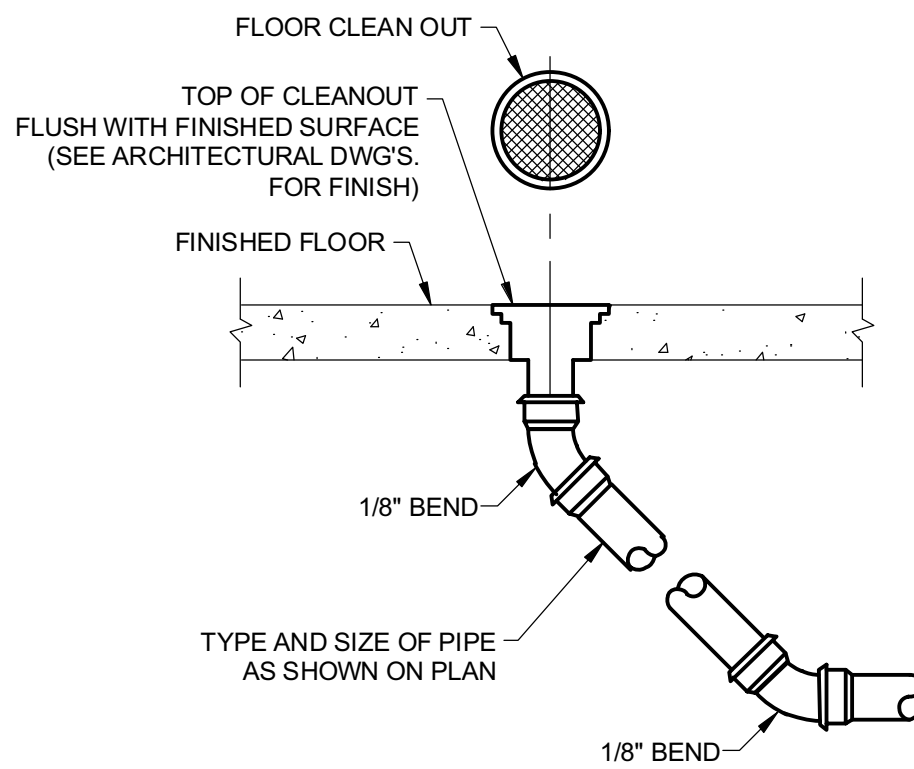


4 DETAIL - THERMOSTATIC BALANCING VALVE  
P501 NO SCALE

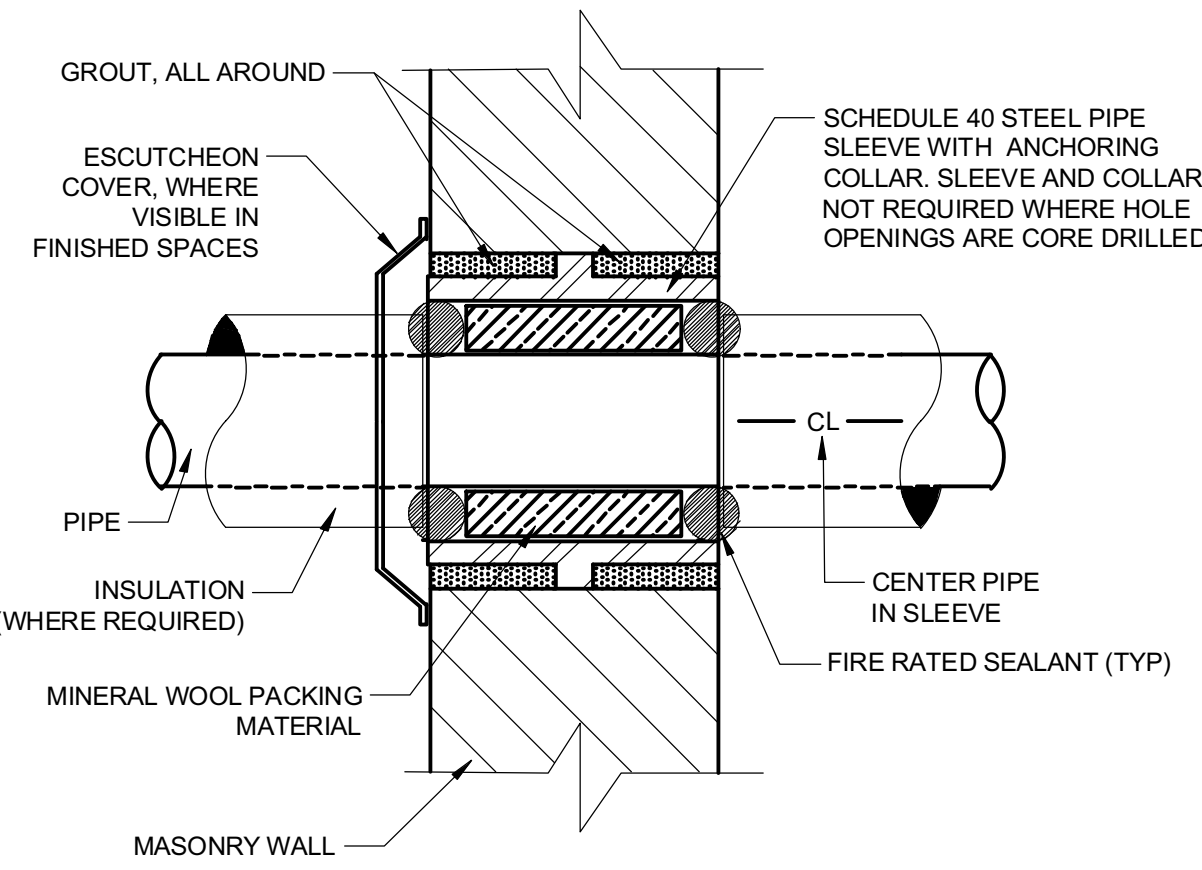
5 DETAIL - WATER HAMMER ARRESTER  
P501 NO SCALE



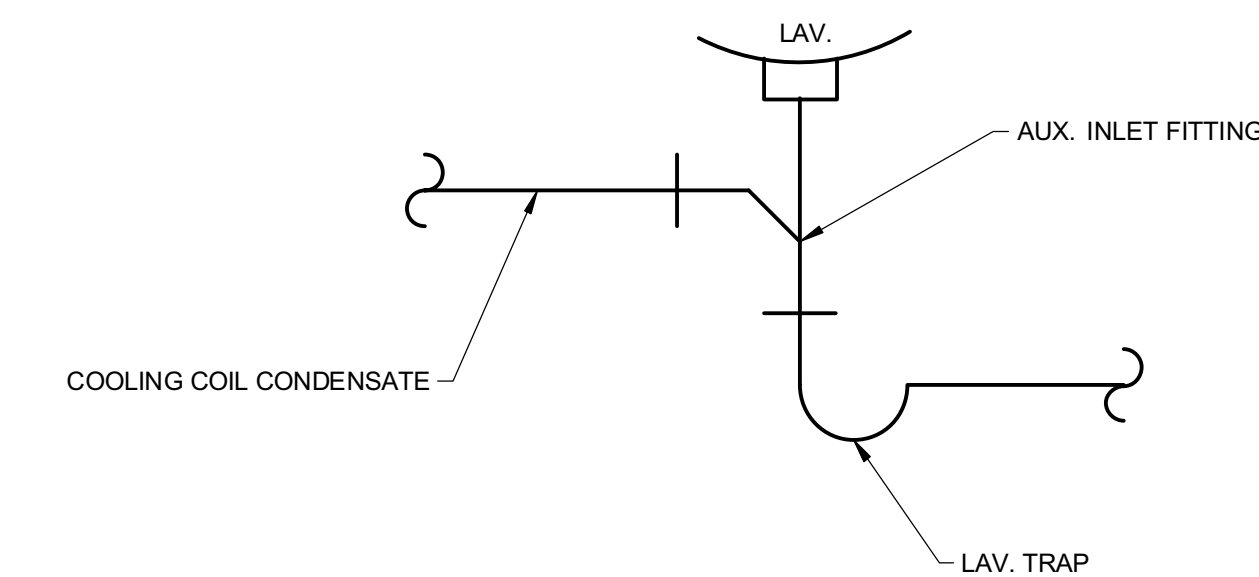
7 DETAIL-VENT THRU ROOF  
P501 NO SCALE



8 DETAIL - CLEANOUT  
P501 NO SCALE



9 DETAIL - MASONRY WALL PIPE PENETRATION  
P501 NO SCALE



10 DETAIL - DRAIN CONN.  
P501 NO SCALE

PLUMBING FIXTURE SCHEDULE													
REF. NO.	DESCRIPTION	BASIS OF DESIGN	MODEL NO.	FAUCET AND FLUSH VALVE	MOUNTING TYPE	DOMESTIC WATER				SANITARY			NOTES
						W.S.F.U.	CW	HW	HWR	D.F.U.	DRAIN	VENT	
BFP-1	BACKFLOW PREVENTER	WATTS	SD3-MF-LS	-	IN-LINE	-	1/2"	-	-	-	-	-	-
LAV-1	LAVATORY (BARRIER FREE)	AMERICAN STANDARD	0355.012	AMERICAN STANDARD INNSBROOK 605B.205	WALL	1	1/2"	1/2"	1/2"	1	1-1/2"	1-1/2"	(1)
SK-1	CLASSROOM SINK WITH BUBBLER (BARRIER FREE)	REFER TO ARCHITECTURAL DOCUMENTS			COUNTER	1.5	1/2"	1/2"	1/2"	2	1-1/2"	1-1/2"	(2)(3)
WC-1	WATER CLOSET (CHILDRENS HEIGHT)	AMERICAN STANDARD	2262.001	SLOAN 111-1.28	FLOOR	5	1-1/4"	-	-	4	3"	1-1/2"	(5)
WC-2	WATER CLOSET (BARRIER FREE)	AMERICAN STANDARD	3043.001	SLOAN 111-1.28	FLOOR	5	1-1/4"	-	-	4	3"	1-1/2"	(5)
WF-1	WATER FILTER	AQUA-PURE	3MFF100	-	BLW COUNTER / IN-LINE	-	1/2"	-	-	-	-	-	(6)
EW-C	ELECTRIC WATER COOLER	ELKAY	LZS8WSSP	-		WALL	0.25	1/2"	-	-	0.5	1-1/2"	1-1/2"
WHA-1	WATER HAMMER ARRESTOR	J.R. SMITH	5005-5050	-	IN-LINE	-	1/2"	-	-	-	-	-	(4)
GENERAL NOTES:													
1. PROVIDE HARD WIRED SENSOR FAUCET ASSEMBLY, DRAIN, TRAP/TRAP ARM, STRAINER/TAILPIECE, ANGLE STOP VALVES, FLEXIBLE 1/2"CW&HW SUPPLIES, ADA TRAP GUARD, AND WALL CARRIER TO SUIT.													
2. SINK PROVIDED WITH CASEWORK. INSTALL TRAP, TAILPIECE AND OTHER ACCESSORIES FURNISHED WITH SINK.													
3. PROVIDE AQUA-PURE WATER FILTER (WF-1) (BASIS OF DESIGN), FLEXIBLE 1/2"CW&HW SUPPLIES, ANGLE STOP VALVES, AND TRAP/TRAP ARM.													
4. SIZE PER PDI (REFER TO WATER HAMMER ARRESTOR DETAIL).													
5. PROVIDE ELONGATED OPEN FRONT SEAT, SOFT CLOSING HINGES, AND MANUAL FLUSHOMETER.													
6. PROVIDE WATER FILTER SYSTEM MOUNTED UNDER SINK IN AN ACCESSIBLE LOCATION WITH MANUFACTURERS INTEGRAL MOUNTING BRACKET.													
7. PROVIDE MANUFACTURER'S WATER FILTER (MODEL #51600C). PROVIDE MANUFACTURER'S IN-WALL CARRIER (MODEL #M.P100). REDUCE MOUNTING HEIGHT BY 3" FOR INSTALLATION OF CHILDRENS ADA COOLER.													

MIXING VALVE SCHEDULE													
REF. NO.	LOCATION	BASIS OF DESIGN	MODEL	MIN GPM	MAX GPM	PRESS. DROP AT DESIGN FLOW (PSI)	CW INLET TEMP (°F)	HW INLET TEMP (°F)	HW OUTLET TEMP (°F)	CW INLET SIZE	HW INLET SIZE	MIXED OUTLET SIZE	NOTES
MV-1	ABV CLG	WATTS	LFMM/MI	0.5	12	2.5	40°F	120°F	105	1/2"	1/2"	3/4"	(1)(2)(3)
MV-2	ABV CLG	WATTS	LFMM/MI	0.5	12	2.5	40°F	120°F	105	3/4"	3/4"	3/4"	(1)(2)(3)
GENERAL NOTES:													
1. PROVIDE DOUBLE THROTTLING MIXING VALVE WITH INTEGRAL INLET FILTER WASHERS, DUAL CHECK VALVES, AND ADJUSTABLE CAP WITH LOCKING FEATURE.													
2. MIXING VALVE SHALL BE IN ACCORDANCE WITH ASSE 1070. COORDINATE MIXING VALVE PIPING CONFIGURATION WITH THE MANUFACTURER REQUIREMENTS.													
3. REFER TO PLANS FOR TOTAL QUANTITIES AND SYSTEMS SERVED BY RESPECTIVE MIXING VALVE.													

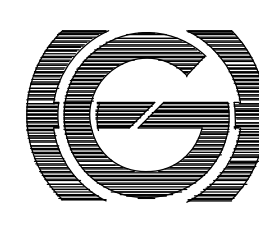
BALANCING VALVE SCHEDULE						
REF. NO.	DESCRIPTION	BASIS OF DESIGN	MODEL NO.	MOUNTING TYPE	HWR CONNECTION	NOTES
BV-1	THERMOSTATIC BALANCING VALVE	CIRCUIT SOLVER	CSUAS-12-105-TW	IN-LINE	1/2"	(1)
GENERAL NOTES:						
1. FACTORY FURNISH WITH (2) SHUT-OFF BALL VALVES, Y-STRAINER, THERMOMETER, & UNIONS.						

CLEANOUT SCHEDULE				
REF. NO.	MOUNTING TYPE	BASIS OF DESIGN	MODEL	NOTES
FCO-1	FLOOR	J.R. SMITH	4020 SERIES - 4023S-FCU	(1)(3)
WCO-1	WALL	J.R. SMITH	4420 SERIES - 4422C-U	(1)(2)
GENERAL NOTES:				
1. REFER TO PLAN FOR ASSOCIATED FIXTURE CONNECTION SIZE.				
2. DUCO CAST IRON CAULK FERRULE WALL CLEANOUT WITH CAST BRONZE TAPER THREADED PLUG AND VANDAL PROOF SCREW.				
3. PROVIDE NO HUB OUTLET, DUCO CAST IRON FLOOR CLEANOUT WITH ROUND ADJUSTABLE SCORATED SECURED NICKEL BRONZE TOP, FLANGE WITH FLASHING CLAMP, AND VANDAL PROOF TOP.				

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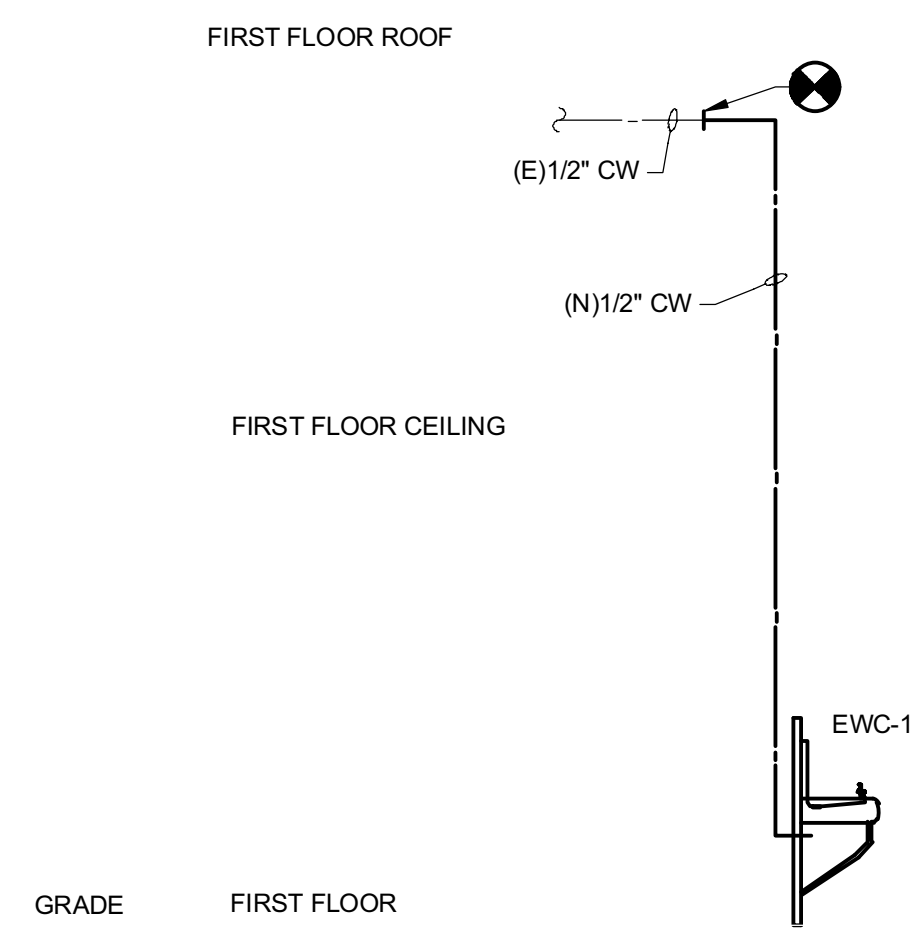
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DETAILS AND  
SCHEDULES

Revisions  
No. Date Description

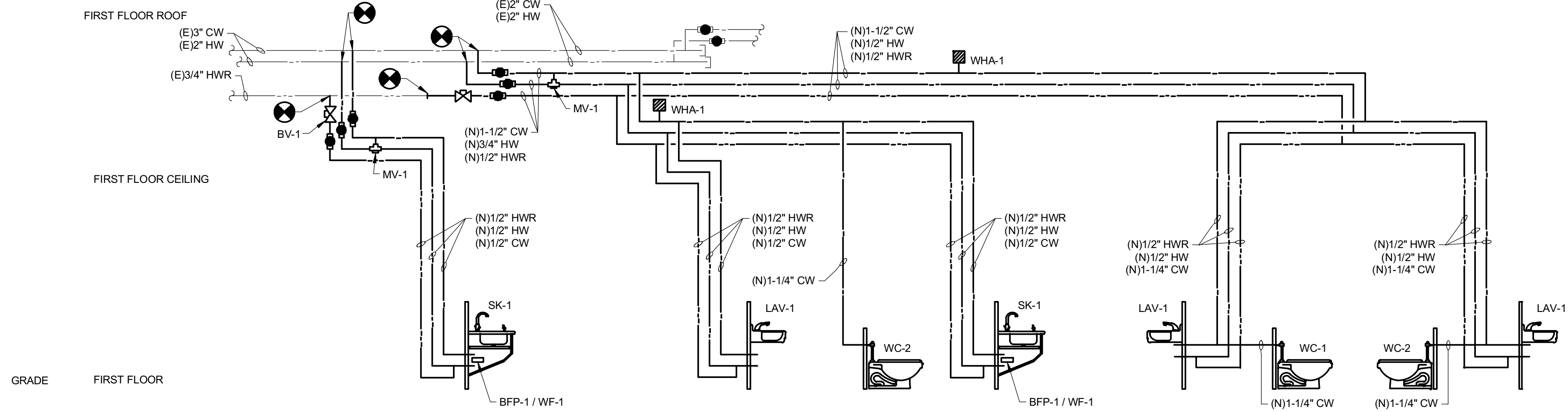
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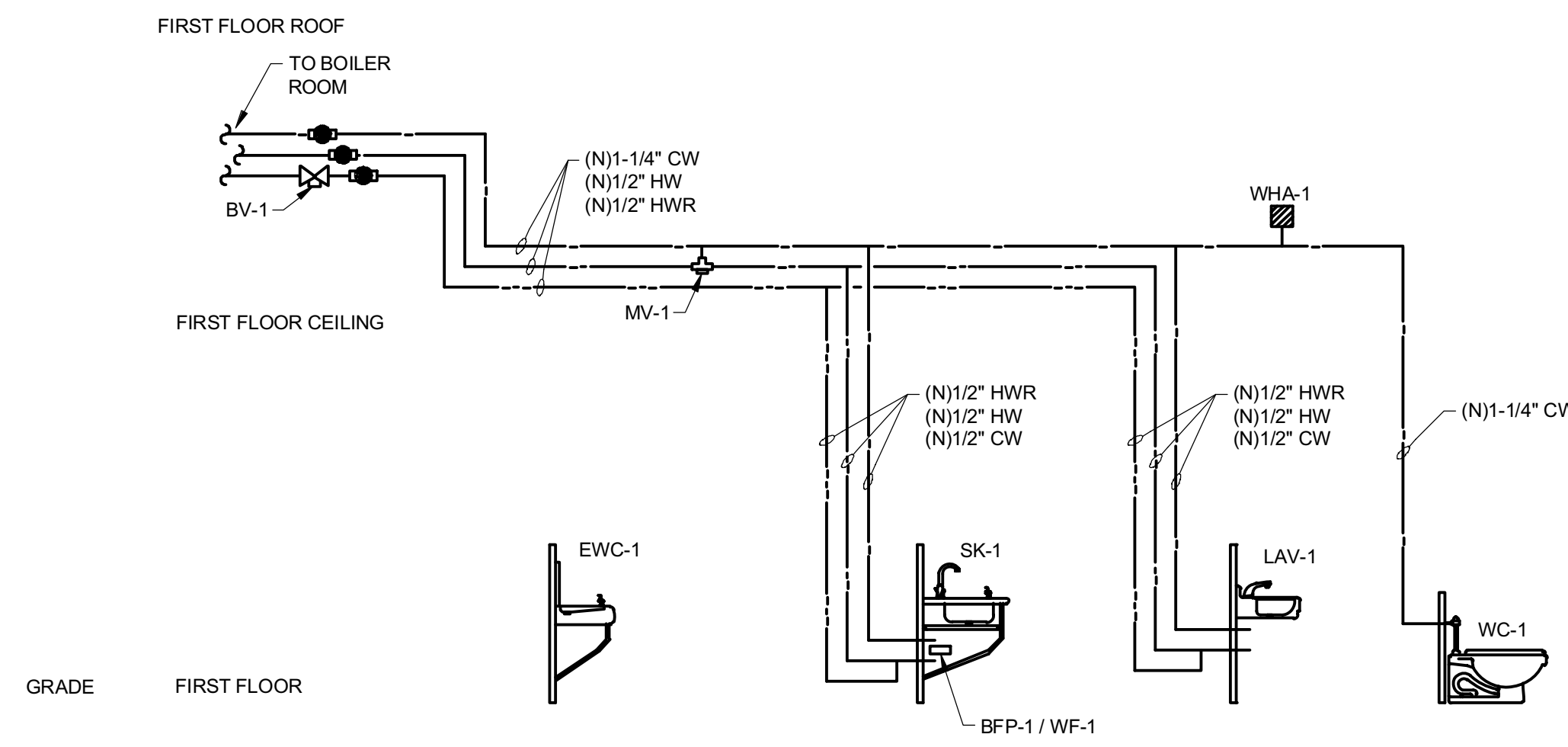
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CORRIDOR  
RISER DIAGRAM - DOMESTIC WATER - ELEMENTARY SCHOOL



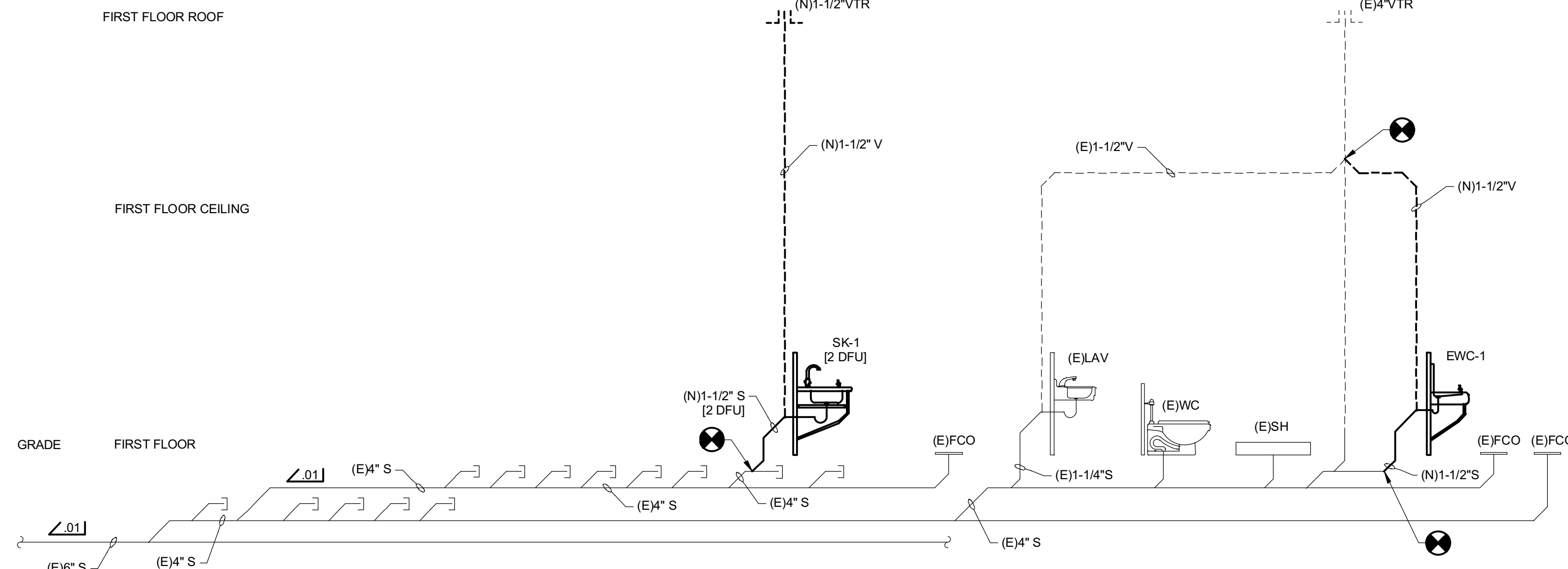
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P601 NO SCALE

MUSIC CLASSROOM #MC-1; PRE-K CLASSROOM #PK-1; PRE-K TOILET ROOM #PK-1A;  
TOILET ROOM #TR-1A, & #TR-1B - RISER DIAGRAM - DOMESTIC WATER - ELEMENTARY SCHOOL



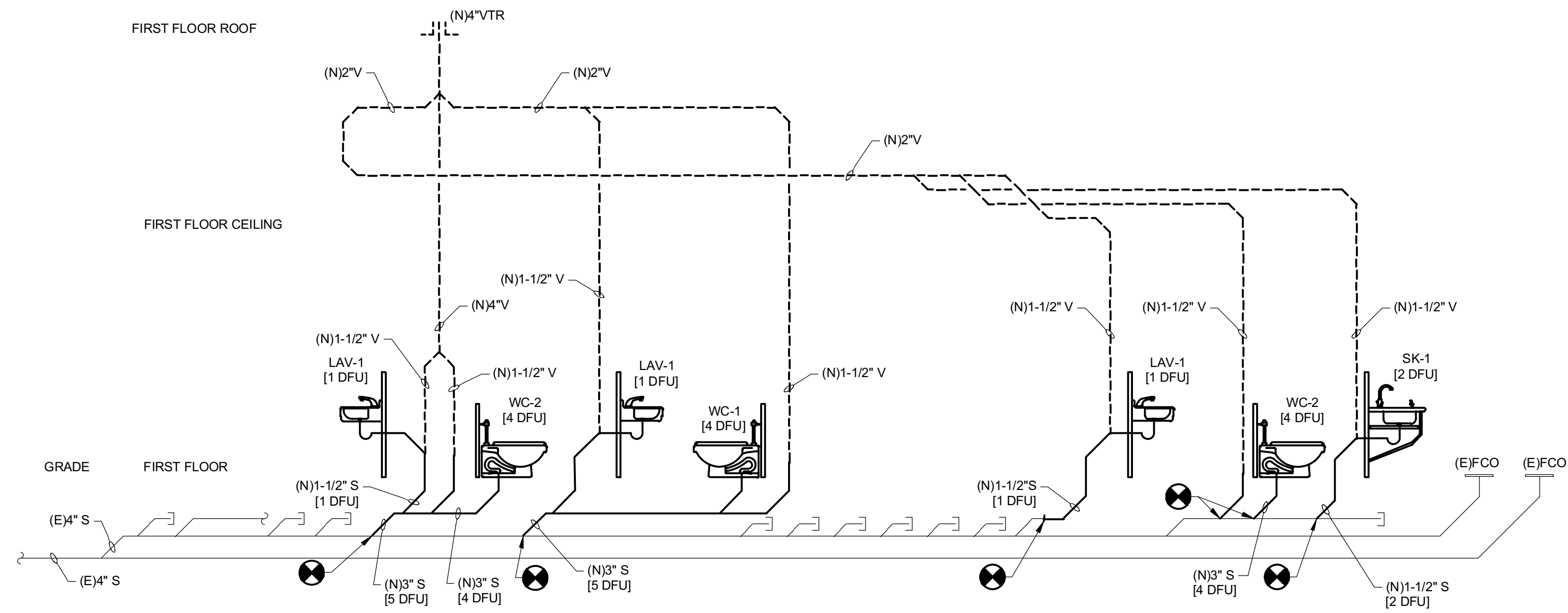
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PRE-K CLASSROOM #PK-2; PRE-K TOILET ROOM #PK-2A  
RISER DIAGRAM - DOMESTIC WATER - ELEMENTARY SCHOOL



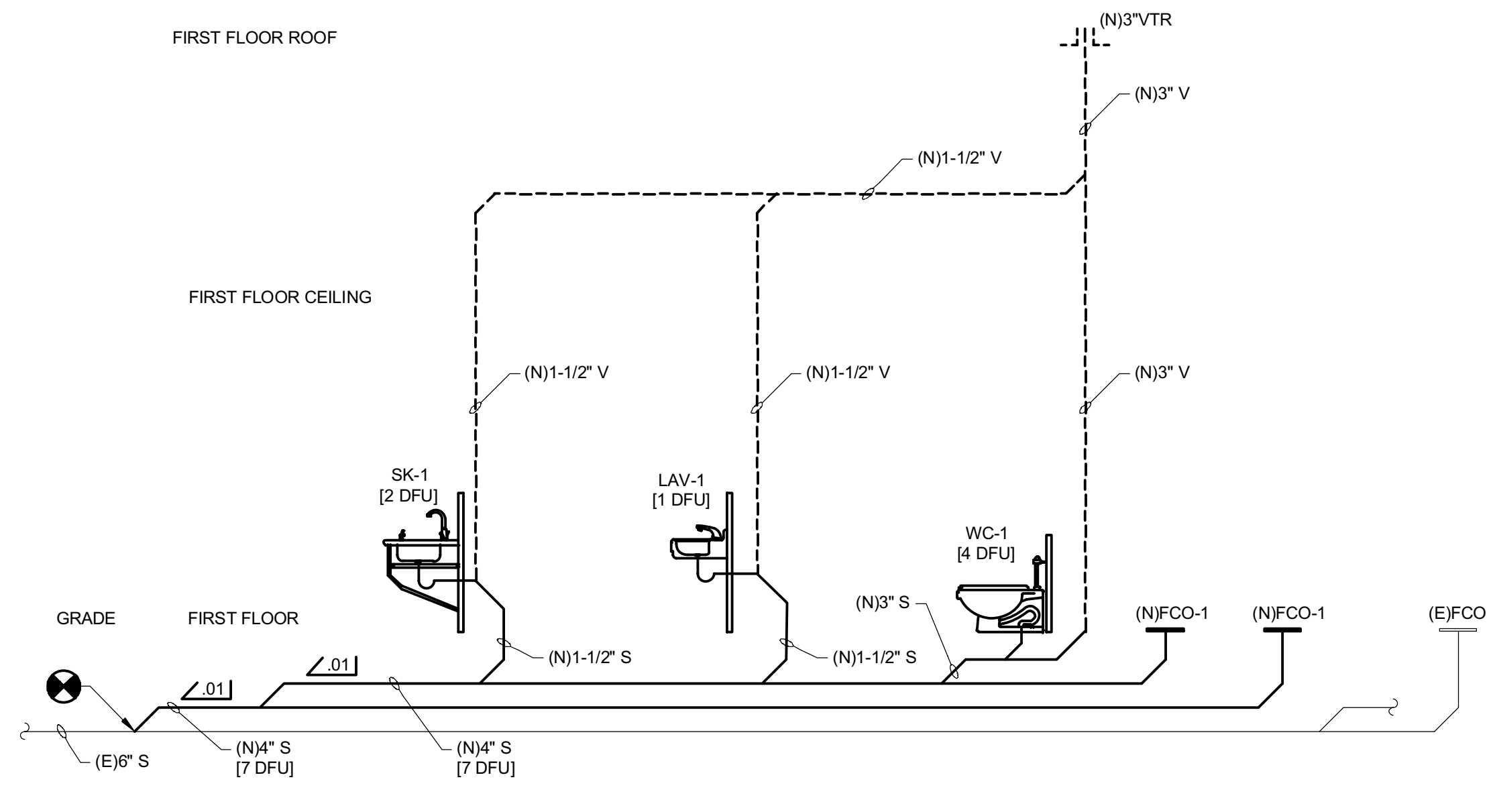
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MUSIC CLASSROOM #MC-1  
RISER DIAGRAM - SANITARY - ELEMENTARY SCHOOL



5  
P601 NO SCALE

PRE-K CLASSROOM #PK-1; PRE-K TOILET ROOM #PK-1A;  
TOILET ROOM #TR-1A, & TR-1B - RISER DIAGRAM - SANITARY - ELEMENTARY SCHOOL



6  
P601 NO SCALE

PRE-K CLASSROOM #PK-2; PRE-K TOILET ROOM #PK-2A  
RISER DIAGRAM - SANITARY - ELEMENTARY SCHOOL

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Dist. of Auth #240427932-630

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Drawing Name

PLUMBING RISER  
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ELEMENTARY  
SCHOOL

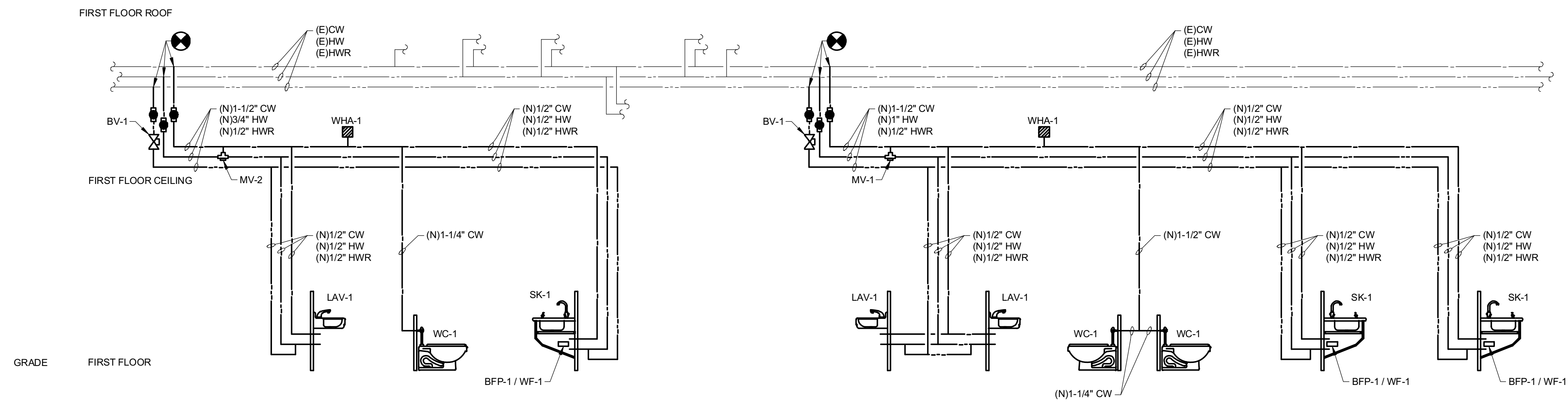
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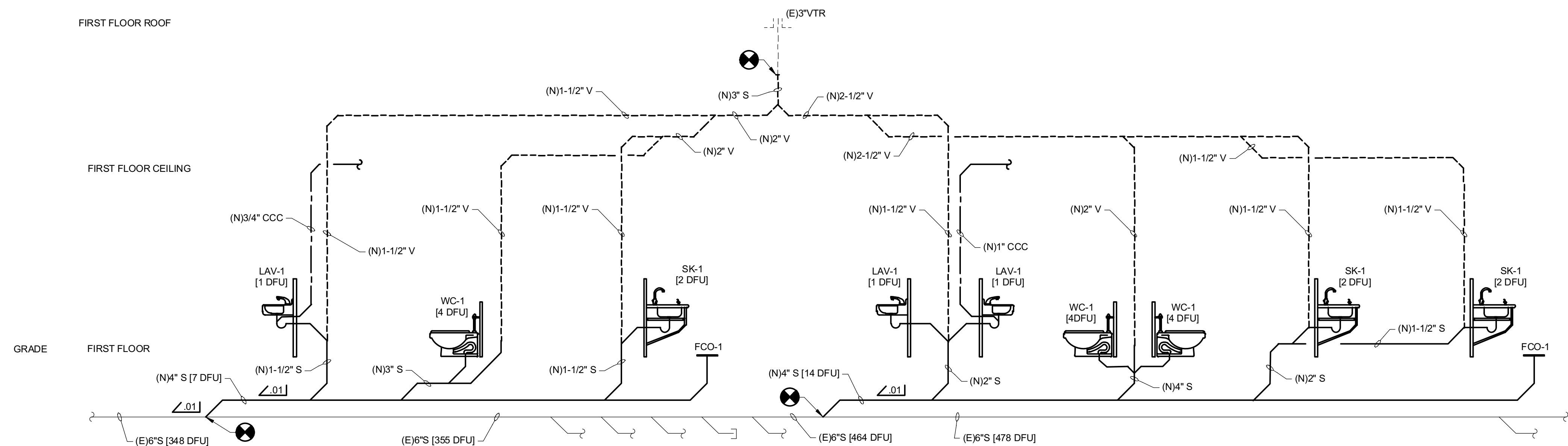
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P601





PRE-K TOILET ROOM #PK-P1A, #PK-P2A, & #PK-P3A  
RISER DIAGRAM - DOMESTIC WATER - PRIMARY SCHOOL



PRE-K TOILET ROOM #PK-P1A, #PK-P2A, & #PK-P3A  
RISER DIAGRAM - SANITARY - PRIMARY SCHOOL

REFERENCE DIMENSION

0 1

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Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
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Project Owner Name  
Egg Harbor Township  
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Project Location  
2501 Spruce Ave,  
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Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
BEK  
Scale  
AS NOTED

Drawing Name  
PLUMBING RISER  
DIAGRAMS -  
PRIMARY  
SCHOOL

Revisions  
No. Date Description

Drawing Number

P602

FIRE PROTECTION LEGEND

	REMOVAL WORK (REFER TO PLAN)
	EXISTING
	VENT
	PRE ACTION SPRINKLER PIPING
	DRY SPRINKLER PIPING
	FIRE PROTECTION WATER SUPPLY
	AUTOMATIC FIRE SPRINKLER SYSTEM DRAIN
	COMPRESSED AIR
	LAWN SPRINKLER SUPPLY
	PIPE SLOPE - IN DIRECTION OF ARROW
	FLOW - IN DIRECTION OF ARROW
	GATE VALVE
	GLOBE VALVE
	CHECK VALVE
	BALANCING VALVE
	BALL VALVE
	BUTTERFLY VALVE
	VALVE ON RISE
	SOLENOID VALVE
	TWO-WAY CONTROL VALVE
	THREE-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	RELIEF OR SAFETY VALVE
	UNION
	STRAINER
	STRAINER W/ BLOW-DOWN VALVE
	FLOW SENSOR
	SIGHT GLASS
	PIPE SLEEVE/GUIDE
	PIPE ANCHOR
	PIPE BREAK
	PIPE CAP
	FLEXIBLE CONNECTION
	ANGLE GATE VALVE
	UPRIGHT SPRINKLER
	CONCEALED SPRINKLER
	EXISTING SPRINKLER
	SIDE WALL WET SPRINKLER
	SIDE WALL DRY SPRINKLER
	OS&Y GATE VALVE
	TEST FLOW METER
	DIAPHRAGM
	METER
	PIPE TURNING DOWN
	PIPE TURNING UP
	TEE UP
	TEE DOWN
	DROP AND RUN
	DROP AND TURN
	TEE OFF TOP
	BACK FLOW PREVENTER
	HEAT TRACE

	THERMOMETER
	PRESSURE GAUGE W/ COCK
	AIR VENT W/ COCK
	AUTOMATIC AIR VENT
	AQUATSTAT
	WATER HAMMER ARRESTOR
	FLOW SWITCH
	PRESSURE SWITCH
	FIRE PUMP TEST CONNECTION
	SIAMESE FIRE DEPARTMENT CONNECTION
	FIRE PUMP TEST CONNECTION
	WATERPROOF STROBE/HORN
	AUXILIARY DRAIN FOR LOW POINT (DRUM DRIP)
	PUMP
	INLINE PUMP
	ROOF DRAIN
	PLAIN COMBO FLOOR DRAIN
	PLAIN ROUND FLOOR DRAIN
	PLAIN SQUARE FLOOR DRAIN
	HOSE BIB
	SUPERVISOR CONTROL MODULE
	RELAY MODULE
	MINI MONITOR MODULE
	RELEASE MODULE

STANDARD SYMBOLS

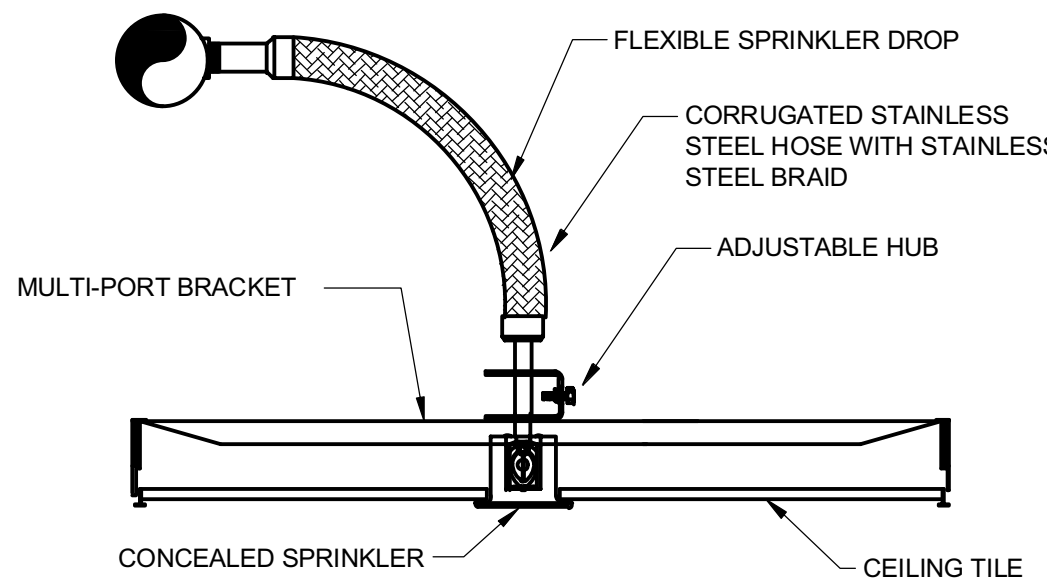
	DATUM POINT
	REVISION
	NEW WORK NOTE DESIGNATION
	REMOVAL WORK NOTE DESIGNATION
	CONNECT TO EXISTING
	EXTENT OF REMOVAL
	EQUIPMENT ABBREVIATION
	TAG NUMBER
	PLAN, SECTION, OR DETAIL
	SECTION OR DETAIL
	ELEVATION
	NORTH ARROW

FIRE PROTECTION ABBREVIATIONS:

ABV	ABOVE	G	NATURAL GAS
AC	AIR COMPRESSOR	G.C.	GENERAL CONTRACTOR
ACV	ALARM CHECK VALVE	GD	GARAGE DRAIN
AD	AREA DRAIN	HB	HOSE BIBB
AFF	ABOVE FINISH FLOOR	HT	HEAT TRACE
AHJ	AUTHORITY HAVING JURISDICTION	IN.	INCH
A.P.	ACCESS PANEL	INV.	INVERT ELEVATION
BACNET	BUILDING AUTOMATION & CONTROL NETWORK	MAX	MAXIMUM
BLW	BELOW	M.C.	MECHANICAL CONTRACTOR
BFF	BELOW FINISHED FLOOR	MIN	MINIMUM
BFP	BACKFLOW PREVENTER	(N)	NEW
BMS	BUILDING MANAGEMENT SYSTEM	N.C.	NORMALLY CLOSED
BOB	BOTTOM OF BEAM	N.I.C.	NOT IN CONTRACT
BOD	BOTTOM OF DECK	N.O.	NORMALLY OPEN
CP	CONCRETE PIPING	OS&Y	OUTSIDE SCREW & YOKE VALVE
CO	CLEAN OUT	P.C.	PLUMBING CONTRACTOR
CONT.	CONTINUATION	PSI	POUNDS PER SQUARE INCH
C.I.	CAST IRON	PVC	POLY VINYL CHLORIDE
C.I.C.L	CAST IRON CEMENT LINED	P.I.V.	POST INDICATOR VALVE
CB	CATCH BASIN	PRESS.	PRESSURE
CLG	CEILING	PRV	PRESSURE REGULATING VALVE
CW	DOMESTIC COLD WATER	Q.Z.V.	QUADRUPLE ZONE VALVE BOX
DW	DOMESTIC WATER	Q.A.P.	QUADRUPLE ALARM PANEL
DN	DOWN	(R)	REMOVE
DS	DRY STANDPIPE	REF.	REFERENCE
DD	DECK DRAIN	SMH	SANITARY MANHOLE
DIA.	DIAMETER	SP	SPRINKLER PIPING
D.A.P.	DUPLEX ALARM PANEL	STMH	STORM MANHOLE
D.Z.V.	DUPLEX ZONE VALVE BOX	STP	STANDARD PIPE
D.Z.P.	DUCTILE IRON PIPE	TC	TERRACOTTA
(E)	EXISTING	TEMP.	TEMPERATURE
E.C.	ELECTRICAL CONTRACTOR	T.A.P.	TRIPLE ALARM PANEL
EL	ELEVATION	T.Z.V.	TRIPLE ONE VALVE BOX
FB	FROM BELOW	T.E.	TOP ELEVATION
FCO	FLOOR CLEAN OUT	TB	THRUST BLOCK
FDC	FIRE DEPARTMENT CONNECTION	TS	TAMPER SWITCH
FH	FIRE HYDRANT	TYP.	TYPICAL
FSW	FLOW SWITCH	∅	VACUUM
FE	FIRE EXTINGUISHER	V	VENT
F.D.V.	FIRE DEPARTMENT VALVE	VB	VACUUM BREAKER
F.D.C.	FIRE DEPARTMENT CONNECTION	YH	YARD HYDRANT
F.D.I.	FLOW CONTROL VALVE	W	WASTE
FD	FLOOR DRAIN	W.C.	WATER COLUMN
FF	FINISHED FLOOR	WCO	WALL CLEAN OUT
FM	FORCED MAIN	WF	WATER FILTER
F.H.C.	FIRE HOSE CONNECTION	WH	WALL HYDRANT
FLR	FLOOR	WOAC	WALL OPENING ABOVE CEILING
FP	FIRE PROTECTION	WOBC	WALL OPENING BELOW CEILING
FS	FLOW SWITCH		

FIRE PROTECTION GENERAL NOTES:

- GENERAL NOTES APPLY TO ALL FIRE PROTECTION DRAWINGS.
- THE DRAWINGS SHOW A GENERAL REPRESENTATION OF QUANTITIES AND LOCATIONS OF EXISTING FIRE PROTECTION COMPONENTS AND SYSTEMS, AND ARE NOT ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE REMOVAL OF THE FIRE PROTECTION BUILDING SYSTEMS TO FULFILL THE INTENT OF THE DESIGN INDICATED BY THE CONTRACT DOCUMENTS, UNLESS OTHERWISE NOTED. REMOVAL WORK IS TO INCLUDE, BUT NOT LIMITED TO REMOVAL OF EQUIPMENT, APPARATUS, SYSTEM ACCESSORIES, PIPING, DROPS, AUXILIARY SYSTEMS, PIPING ACCESSORIES, HANGERS AND SYSTEM APPURTENANCES.
- FIRE PROTECTION PIPING LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
- ENSURE ALL WORK IS IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE APPLICABLE CONSTRUCTION CODE, AND ALL OTHER FEDERAL, STATE, AND LOCAL AGENCY REGULATIONS HAVING JURISDICTION OVER THIS PROJECT. IN THE EVENT OF ANY DISCREPANCIES BETWEEN AGENCY REQUIREMENTS, OBSERVE THE MORE STRINGENT OF REQUIREMENTS.
- COORDINATE AND FIELD VERIFY ALL DIMENSIONS, SIZES, CLEARANCES, AND FINAL PLACEMENT OF ALL FIRE PROTECTION, HVAC, PLUMBING, AND ELECTRICAL EQUIPMENT, FIXTURES AND ACCESSORIES WITH THE RESPECTIVE TRADE CONTRACTORS PRIOR TO ROUGH IN. WHEN CONFLICT ARISES, MAKE ANY NECESSARY CHANGES TO ROUTING OF PIPING WITHOUT COMPROMISING THE INTEGRITY AND PERFORMANCE OF THE SYSTEM, AND AT NO ADDITIONAL COST TO THE OWNER.
- INSTALL ALL EQUIPMENT TO MAINTAIN ADEQUATE CLEARANCES PER MANUFACTURER'S REQUIREMENTS. PROVIDE OFFSETS AS NECESSARY TO FACILITATE.
- ALL PIPING TO BE CONCEALED UNLESS OTHERWISE INDICATED.
- SCHEDULE AND OBTAIN APPROVAL FOR ALL SYSTEM SHUTDOWNS WITH THE OWNER PRIOR TO COMMENCING WITH REMOVAL AND NEW WORK.



- NOTES:
- CENTER SPRINKLERS IN CEILING TILE.

1  
FP001 P  
DETAIL - TYPICAL CONCEALED SPRINKLER HEAD  
NO SCALE

REFERENCE DIMENSION

0 1

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F V H D P C . C O M

Project Name

Renovations for Five (5) Pre-K Classrooms at Clayton J. Davenport School

Project Owner Name

Egg Harbor Township School District

Project Location

2501 Spruce Ave,  
Egg Harbor Township, NJ 08234

Project Number

5481

Project Date

11.01.2024

Checked By

KLH

Drawn By

BEK

Scale

AS NOTED

Drawing Name

PRIMARY SCHOOL - FIRE PROTECTION LEGEND, ABBREVIATIONS, DETAILS AND GENERAL NOTES

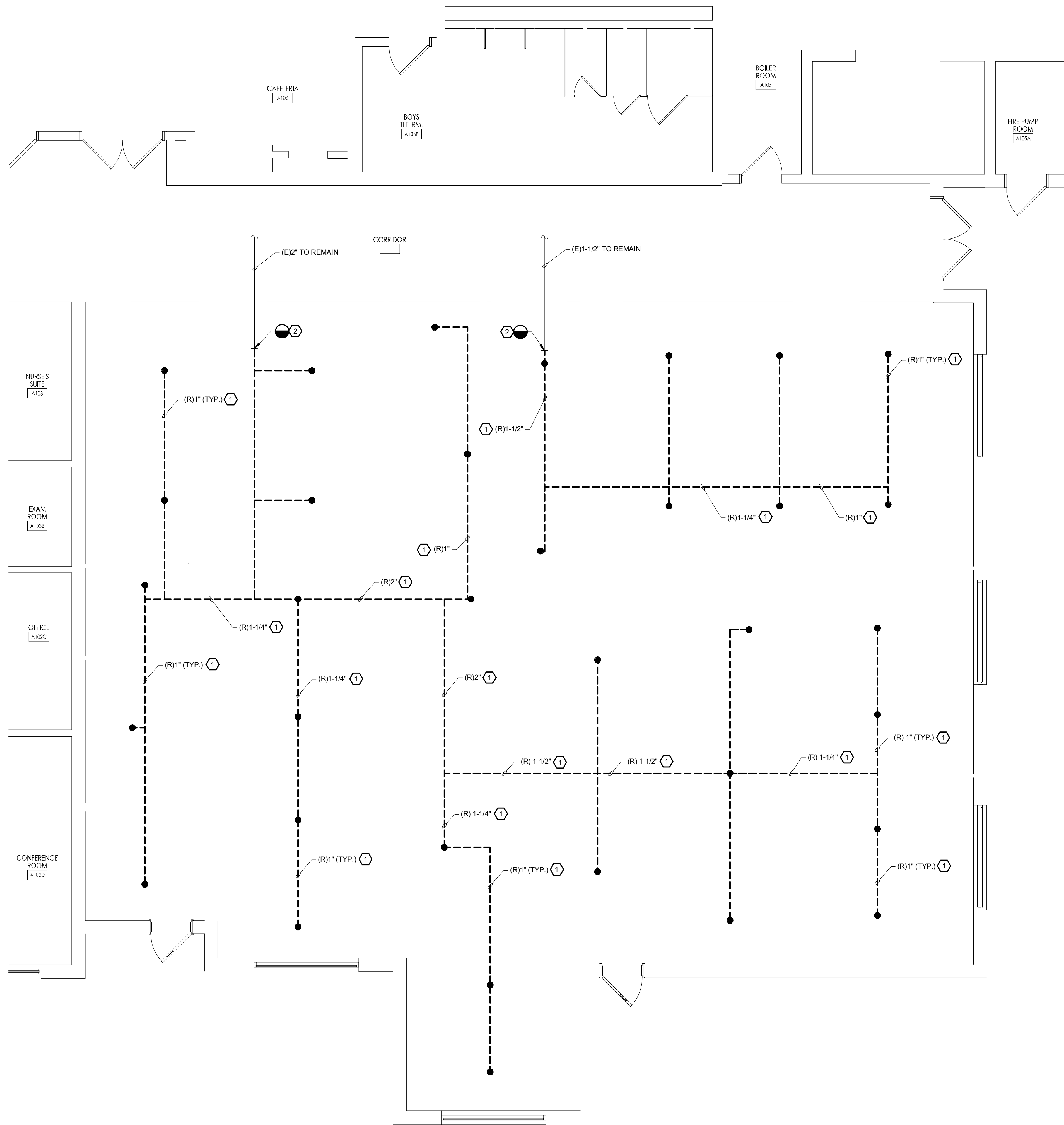
Revisions

No.	Date	Description
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Drawing Number

FP001 P





1  
FP101 P

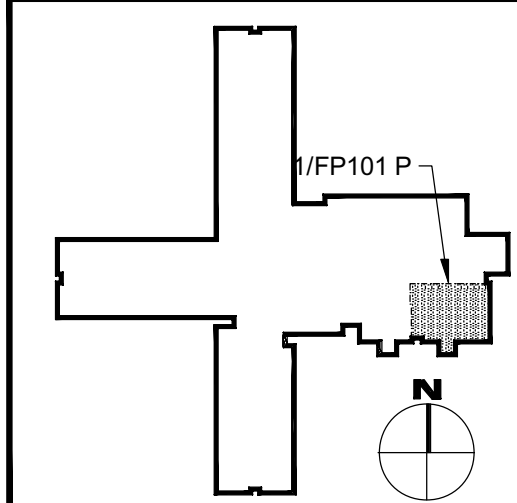
DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - FIRE PROTECTION REMOVALS

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

REMOVAL NOTES:

- 1 REMOVE EXISTING SPRINKLER PIPING, INCLUDING SPRINKLERS, FITTINGS, HANGERS AND SUPPORTS, AS INDICATED.
- 2 DISCONNECT AND REMOVE EXISTING SPRINKLER PIPING BACK TO POINT INDICATED AND CAP.

KEY PLAN - PRIMARY



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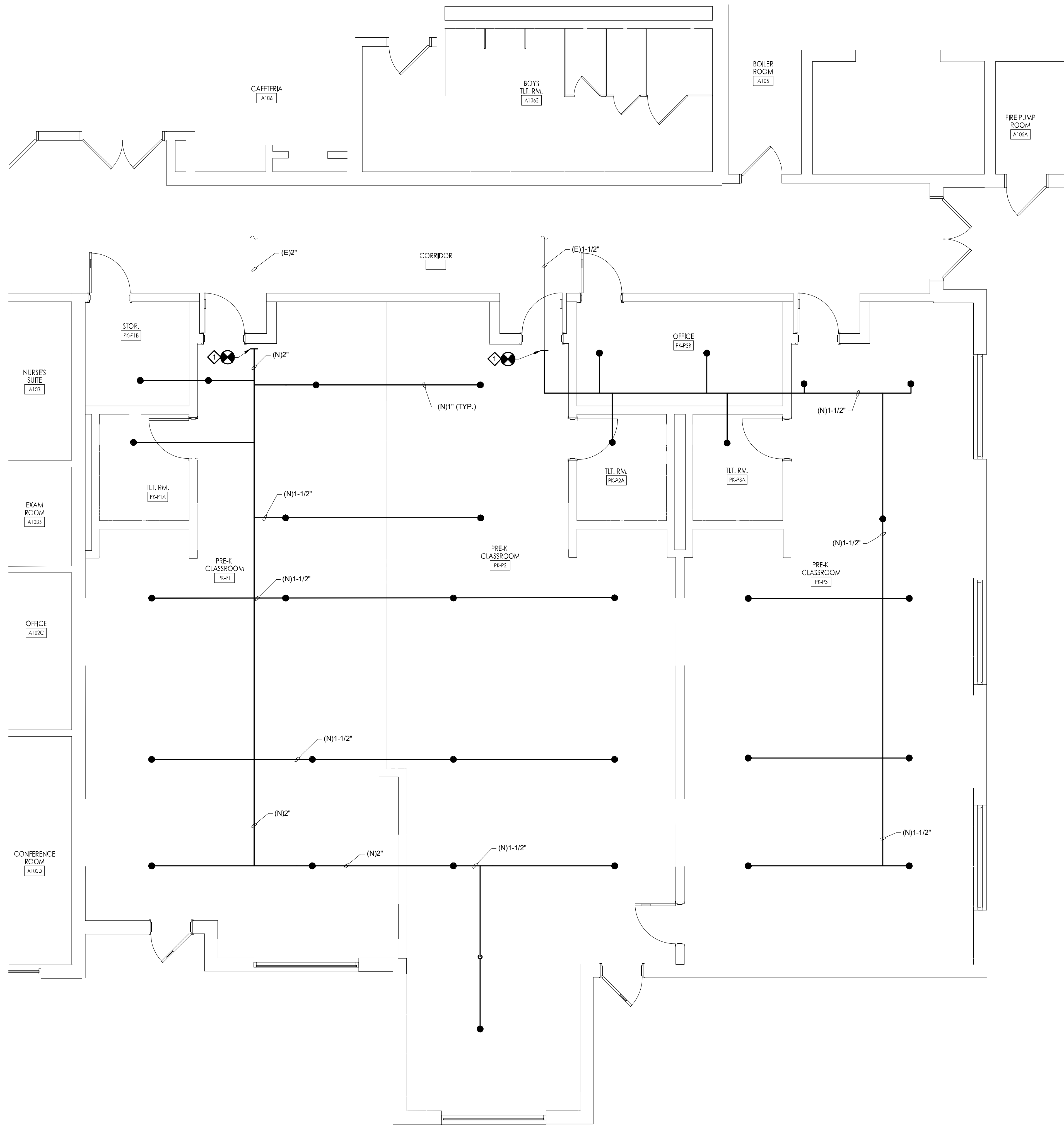
Scale  
AS NOTED

Drawing Name  
PRIMARY  
SCHOOL FIRE  
PROTECTION  
REMOVALS -  
FIRST FLOOR  
PARTIAL PLAN

Revisions  
No. Date Description

Drawing Number

FP101 P



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FP201 P

DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - FIRE PROTECTION NEW WORK  
SCALE: 1/4" = 1'-0"

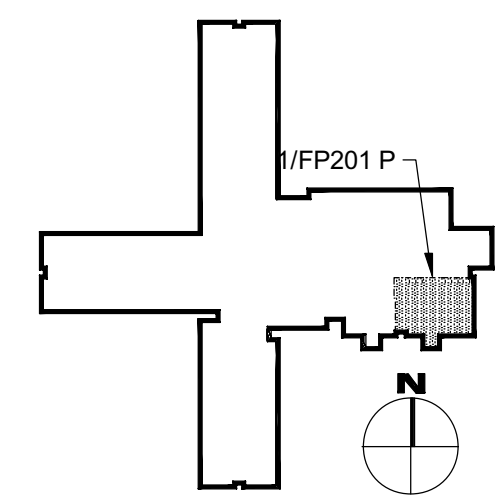
#### SPRINKLER SYSTEM NOTES:

1. PROVIDE A WET-PIPE SPRINKLER SYSTEM IN ACCORDANCE WITH THE APPLICABLE VERSION OF NFPA 13. PROVIDE ALL REQUIRED CALCULATIONS, FLOW TESTS, ETC. TO DETERMINE WATER SUPPLY FLOW RATE, PIPE SIZES, STATIC PRESSURE, RESIDUAL PRESSURE, ETC. TO DESIGN THE NEW SPRINKLER SYSTEM.
2. PIPE SIZES SHOWN ARE APPROXIMATE. DETERMINE FINAL PIPE SIZES THROUGH HYDRAULIC CALCULATIONS.
3. PROVIDE ALL DATA, DRAWINGS, CALCULATIONS, DRAWINGS, ETC. REQUIRED BY THE AUTHORITY HAVING JURISDICTION TO OBTAIN REQUIRED PERMITS.

#### NEW WORK NOTES:

- ◇ CONNECT NEW SPRINKLER PIPING TO EXISTING AS INDICATED. PIPING LAYOUT INDICATED IS SCHEMATIC IN NATURE. PROVIDE HYDRAULIC CALCULATIONS AND SHOP DRAWINGS INDICATING REQUIRED PIPE SIZES AND ROUTING. REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

#### KEY PLAN - PRIMARY



#### REFERENCE DIMENSION

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Cert. of Auth #240427932-630

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Drawing Name  
PRIMARY  
SCHOOL FIRE  
PROTECTION  
NEW WORK  
FIRST FLOOR  
PARTIAL PLAN

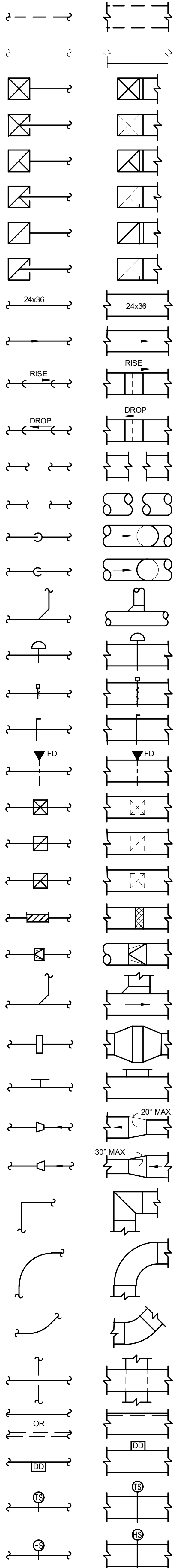
Revisions  
No. Date Description

Drawing Number

FP201 P



## MECHANICAL LEGEND

REMOVAL WORK  
(REFER TO PLAN)

EXISTING

SUPPLY AIR UP

SUPPLY AIR DOWN

EXHAUST AIR UP

EXHAUST AIR DOWN

RETURN AIR UP

RETURN AIR DOWN

DUCT SIZE  
(FIRST FIGURE-SIDE SHOWN)

DIRECTION OF FLOW

DUCT INCLINED RISE  
(RESPECT TO AIR)DUCT INCLINED DROP  
(RESPECT TO AIR)

BREAK IN RECTANGULAR DUCT

BREAK IN ROUND DUCT

ROUND DUCT DOWN

ROUND DUCT UP

45° BOOT CONNECTION  
ROUND DUCTWORK

AIR PURIFIER

MOTOR OPERATED DAMPER

BALANCING DAMPER

FIRE DAMPER

SUPPLY DIFFUSER

RETURN REGISTER  
OR GRILLEEXHAUST REGISTER  
OR GRILLE

FLEXIBLE CONNECTION

ROUND TO RECTANGULAR  
TRANSITION

45° BOOT CONNECTION

DUCT COIL

SIDE WALL DIFFUSER,  
REGISTER OR GRILLETRANSITION  
(DIVERGING FLOW)TRANSITION  
(CONVERGING FLOW)90° ELBOW WITH  
TURNING VANES90° RADIUS ELBOW  
(NO VANES)45° ELBOW  
(NO VANES)

LOWER DUCT

ROOF SMOKE DETECTOR

DUCT TEMPERATURE SENSOR

DUCT HUMIDITY SENSOR

SLOT DIFFUSER

FLEX DUCTWORK

HIGH PRESSURE STEAM (70-100 PSI)

HIGH PRESSURE CONDENSATE

MEDIUM PRESSURE STEAM (16-69 PSI)

MEDIUM PRESSURE CONDENSATE

LOW PRESSURE STEAM (0-15 PSI)

LOW PRESSURE CONDENSATE

COOLING COIL CONDENSATE

DOMESTIC COLD WATER

CHILLED WATER SUPPLY

CHILLED WATER RETURN

CONDENSER WATER SUPPLY

CONDENSER WATER RETURN

HEATING WATER SUPPLY

HEATING WATER RETURN

NATURAL GAS

FLOW - IN DIRECTION OF ARROW

GLOBE VALVE

CHECK VALVE

BALANCING VALVE

BALL VALVE

BUTTERFLY VALVE

VALVE ON RISE

GAS COCK, GAS STOP

SOLENOID VALVE

TWO-WAY CONTROL VALVE

THREE-WAY CONTROL VALVE

PRESSURE REDUCING VALVE

RELIEF OR SAFETY VALVE

BACK FLOW PREVENTER

UNION

STRAINER

STRAINER W/ BLOW-DOWN VALVE

PIPE SLEEVE/GUIDE

PIPE ANCHOR

PIPE TURNING DOWN

PIPE TURNING UP

TEE UP

TEE DOWN

DIA

DIVISION

DN

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DP

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DS

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F&amp;BP

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G.C.

GLR

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GPM

GRV

GVR

GWH

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HC

SLOT DIFFUSER

FLEX DUCTWORK

HIGH PRESSURE STEAM (70-100 PSI)

HIGH PRESSURE CONDENSATE

MEDIUM PRESSURE STEAM (16-69 PSI)

MEDIUM PRESSURE CONDENSATE

LOW PRESSURE STEAM (0-15 PSI)

LOW PRESSURE CONDENSATE

COOLING COIL CONDENSATE

DOMESTIC COLD WATER

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CHILLED WATER RETURN

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HEATING WATER RETURN

NATURAL GAS

FLOW - IN DIRECTION OF ARROW

GLOBE VALVE

CHECK VALVE

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BALL VALVE

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VALVE ON RISE

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GWH

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## MECHANICAL ABBREVIATIONS:

ABS

ABV

AD

ADR

AF

AFF

AFD

AFMS

AHU

AMB

AP

APD

APR

ARCH

ATC

ATM

ATV

AUTO

A/C

B

BACNET

BBD

BC

BDD

BFW

BFP

BHP

BLW

BMS

BOD

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C

CA

CAB

CC

CCC

CFM

CH

CHW

CHWR

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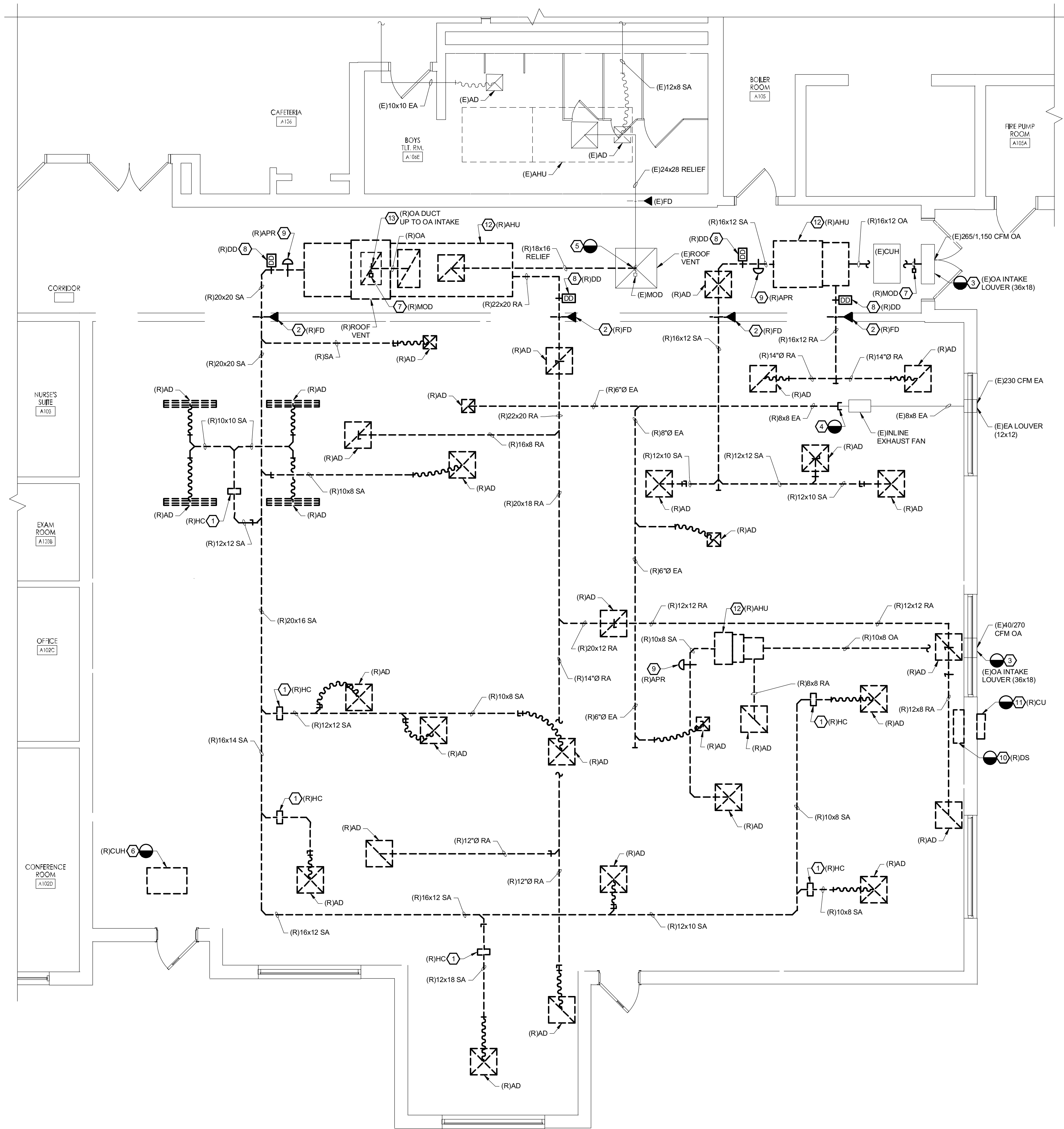
CLG

CO

COND





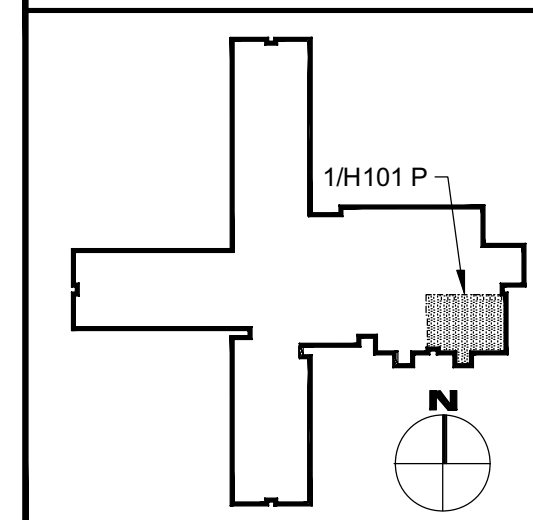


DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC REMOVALS - DUCTWORK  
SCALE: 1/4" = 1'-0"

#### REMOVAL NOTES:

- 1 REMOVE EXISTING ABOVE CEILING MOUNTED HEATING COIL AND DUCTWORK, INCLUDING HANGERS AND ANCHORS.
- 2 REMOVE EXISTING FIRE DAMPER AND DUCTWORK INCLUDING SLEEVES AND ALL ASSOCIATED APPURTENANCES. PATCH REMAINING WALL OPENING FLUSH TO WALL FINISH AND MATCH EXISTING WALL FIRE RATING. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- 3 REMOVE EXISTING OUTSIDE AIR DUCTWORK INCLUDING SLEEVES, DAMPERS, ACTUATORS, WIRING/PNEUMATIC TUBING, SUPPORTS, AND ALL ASSOCIATED APPURTENANCES. PATCH EXTERIOR WALL AT COMPLETION OF REMOVAL WORK. PROVIDE 4" BOARD INSULATION AND SHEET METAL BLANKING TO COVER REMAINING EXTERIOR LOUVER. PATCH REMAINING WALL OPENING FLUSH TO INTERIOR WALL FINISH AND MATCH EXISTING CONSTRUCTION, INSULATION, AND MATERIALS. SEAL WALL PATCHING TO MAKE WEATHERTIGHT. EXISTING EXTERIOR GRILLE TO REMAIN. NO EXTERIOR BRICK WORK TO OCCUR.
- 4 REMOVE EXISTING AIR DEVICE, ASSOCIATED FLEXIBLE DUCTWORK, RIGID DUCTWORK, ALL HANGERS AND ANCHORS BACK TO POINT INDICATED. RETAIN DUCTWORK CONNECTION FOR RE-USE UNDER NEW WORK.
- 5 REMOVE EXISTING ASSOCIATED RELIEF DUCTWORK, HANGERS AND ANCHORS BACK TO POINT INDICATED. CAP DUCTWORK, NOT RE-USED UNDER NEW WORK.
- 6 REMOVE EXISTING CEILING MOUNTED CABINET UNIT HEATER AND ALL ASSOCIATED HANGERS AND ANCHORS. REFER TO HVAC PIPING REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. PROVIDE NEW CEILING COMPONENTS TO MATCH EXISTING CONSTRUCTION, FINISH, AND MATERIALS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING.
- 7 REMOVE EXISTING MOTOR OPERATED DAMPER INCLUDING ALL HANGERS AND ANCHORS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING.
- 8 REMOVE EXISTING DUCT MOUNTED SMOKE DETECTOR INCLUDING ALL HANGERS AND ANCHORS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING.
- 9 REMOVE EXISTING DUCT MOUNTED AIR PURIFIER INCLUDING ALL HANGERS AND ANCHORS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING.
- 10 REMOVE EXISTING WALL MOUNTED DUCTLESS SPLIT INDOOR EVAPORATOR UNIT IN ITS ENTIRETY, INCLUDING SUPPORTS, AND ALL ASSOCIATED APPURTENANCES. REFER TO HVAC PIPING REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING. PATCH AND REPAIR FINISHES TO MATCH EXISTING.
- 11 REMOVE EXISTING OUTDOOR WALL MOUNTED CONDENSING UNIT INCLUDING ALL SUPPORTS/SUPPORT RAILS, AND ALL ASSOCIATED APPURTENANCES. REFER TO HVAC PIPING REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING. PATCH AND REPAIR FINISHES TO MATCH EXISTING.
- 12 REMOVE EXISTING DECK SUSPENDED AIR HANDLING UNIT IN ITS ENTIRETY INCLUDING RIGID DUCTWORK, FLEXIBLE DUCTWORK, AIR DEVICES, HANGERS, SUPPORTS, BASE RAILS, AND ALL ASSOCIATED APPURTENANCES. REFER TO HVAC PIPING REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING. PATCH AND PAINT AS REQUIRED.
- 13 REMOVE EXISTING OUTSIDE AIR INTAKE ON ROOF INCLUDING SLEEVES, DAMPERS, ACTUATORS, WIRING/PNEUMATIC TUBING, SUPPORTS, AND ALL ASSOCIATED APPURTENANCES. RETAIN EXISTING ROOF CURB AND PROVIDE A CAP.

#### KEY PLAN - PRIMARY



#### REFERENCE DIMENSION

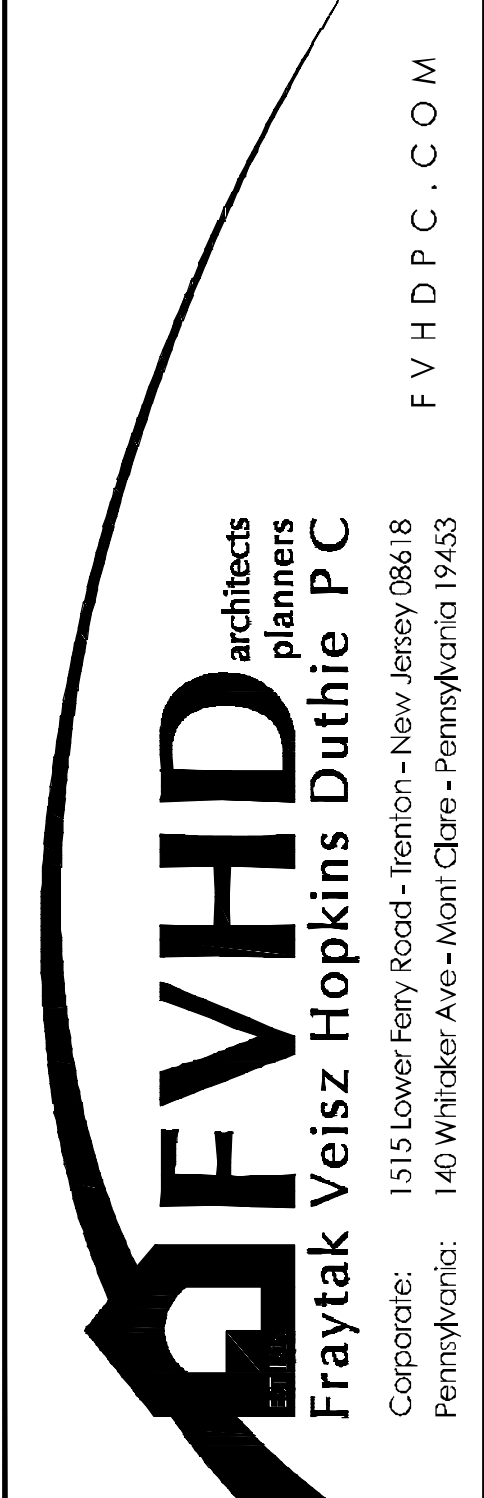
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11/01/2024  
ISSUE FOR BID

ENGINEER  
MICHAEL S. GILLAN, PE  
DATE  
NO. 24GE04470000

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NU-2140719950  
JASON J. DUBOWITZ, AIA  
NU-2140719950 | PA-1646037  
Architect  
Date  
11/01/2024



Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

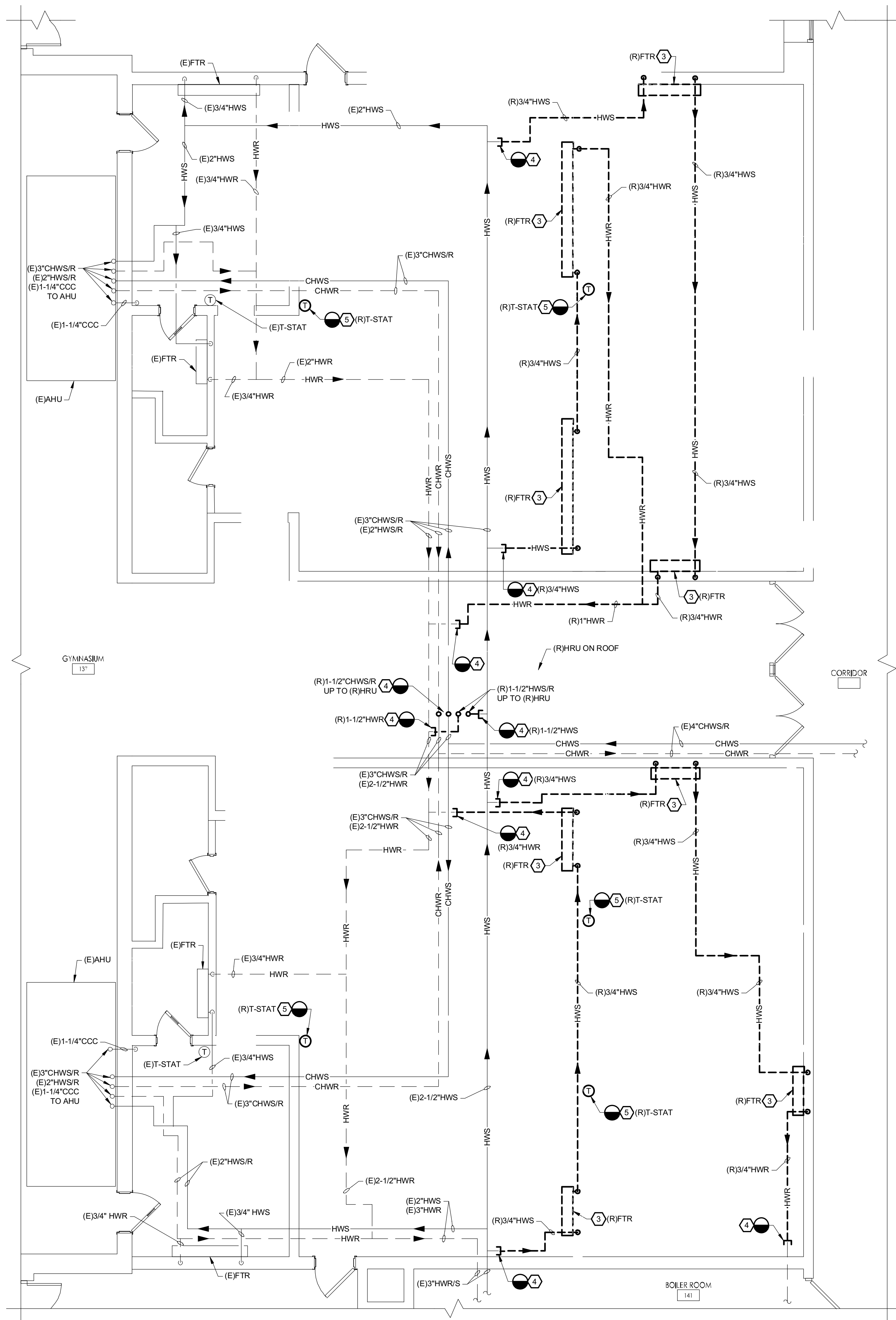
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5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
RPF  
Scale  
AS NOTED

Drawing Name  
PRIMARY  
SCHOOL HVAC  
REMOVALS -  
DUCTWORK -  
FIRST FLOOR  
PARTIAL PLAN

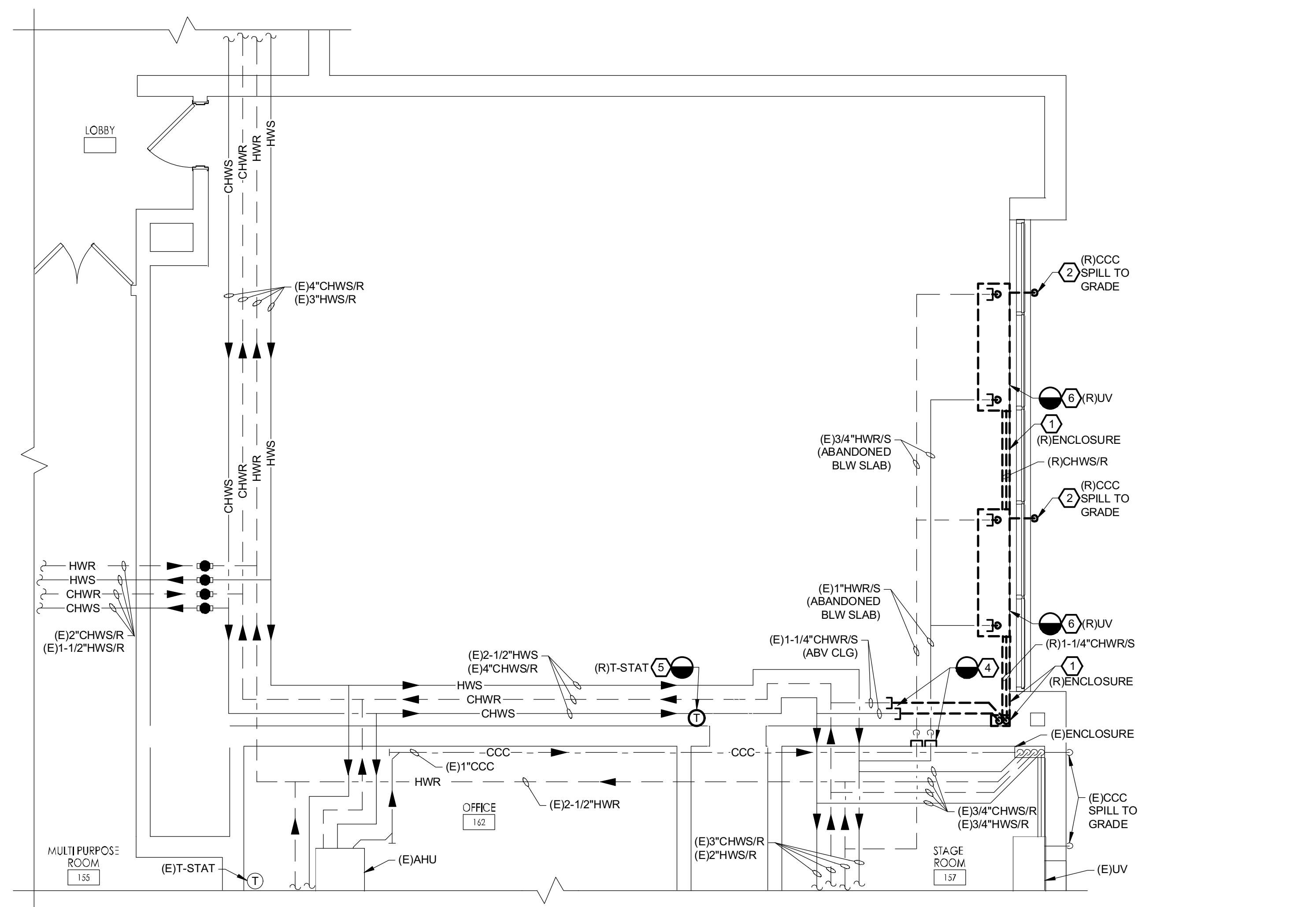
Revisions  
No. Date Description

Drawing Number

H101 P



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H102 E  
DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC REMOVALS - PIPING  
SCALE: 1/4" = 1'-0"

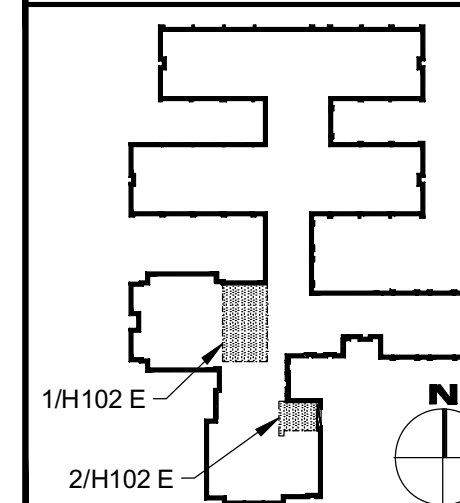


2  
H102 E  
DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC REMOVALS - PIPING  
SCALE: 1/4" = 1'-0"

#### REMOVAL NOTES:

- 1 REMOVE PIPING ENCLOSURE/COVER MOUNTED TO WALL, INCLUDING ALL ASSOCIATED PIPING, INSULATION, HANGERS AND ANCHORS. PATCH WALL AND PAINT AT COMPLETION OF REMOVAL TO MATCH EXISTING CONSTRUCTION AND MATERIALS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- 2 REMOVE EXISTING CONDENSATE PIPING AND ALL ASSOCIATED INSULATION, SUPPORTS, HANGERS, AND APPURTENANCES. PATCH EXTERIOR WALL WATERTIGHT TO MATCH EXISTING CONSTRUCTION AND FINISH.
- 3 REMOVE FIN TUBE RADIATION AND ALL ASSOCIATED INSULATION, SUPPORTS, CONTROLS, ENCLOSURE, PIPING, VALVES, AND APPURTENANCES. PATCH WALL AND PAINT AT COMPLETION OF REMOVAL TO MATCH EXISTING CONSTRUCTION AND MATERIALS.
- 4 REMOVE PIPING BACK TO LOCATION INDICATED, INCLUDING INSULATION, SUPPORTS, HANGERS, VALVES, FITTINGS, UNIONS, ESCUTCHEONS AND ALL ASSOCIATED APPURTENANCES. CAP PIPING NEAR LOCATION INDICATED. WHERE NEW WORK IS NOT UTILIZING THE EXISTING OPENING, PATCH PENETRATIONS TO MATCH EXISTING CONSTRUCTION AND FINISH. REFER TO HVAC PIPING NEW WORK DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 5 REMOVE WALL MOUNTED THERMOSTAT IN ITS ENTIRETY, INCLUDING SUPPORTS, WIRING, AND/OR PNEUMATIC TUBING IF APPLICABLE. PATCH WALL AND PAINT AT COMPLETION OF REMOVAL WORK TO MATCH EXISTING CONSTRUCTION AND MATERIALS.
- 6 REMOVE EXISTING FLOOR MOUNTED UNIT VENTILATOR IN ITS ENTIRETY INCLUDING SUPPORTS, ENCLOSURE, PIPING, VALVING, INSULATION, DRAIN PAN, AND ALL ASSOCIATED APPURTENANCES. WHERE A NEW FLOOR MOUNTED UNIT VENTILATOR IS NOT BEING INSTALLED, PROVIDE PATCHING AND PAINTING OF WALL AND FLOOR TO MATCH EXISTING CONSTRUCTION, FINISH, AND MATERIALS. REFER TO HVAC DUCTWORK REMOVAL DRAWINGS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.

#### KEY PLAN - ELEMENTARY



#### REFERENCE DIMENSION

0 1  
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G&H Project No. 2024-147

Dist. of Auth #2454279332-630

ENGINEER  
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DATE  
NO. 24GE04470000

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JASON J. DUBOWITZ, AIA  
NJ-2140717950 | PA-1646037  
Architect  
F V H D P C C O M  
11/01/2024  
Date

**GEVHHD** architects  
planners  
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Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

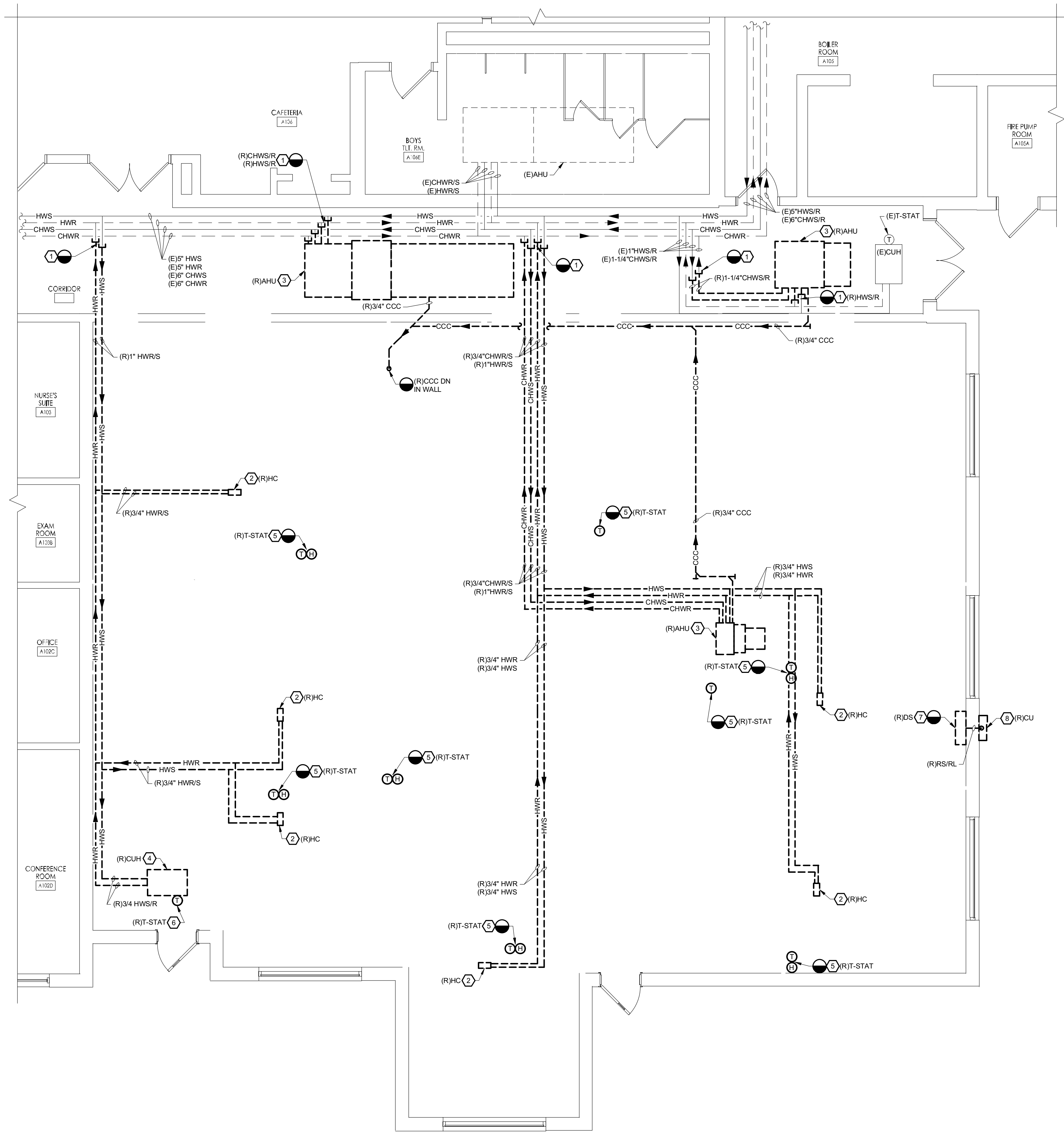
Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
RPF  
Scale  
AS NOTED

Drawing Name  
ELEMENTARY  
SCHOOL HVAC  
REMOVALS -  
PIPING - FIRST  
FLOOR PARTIAL  
PLAN

Revisions  
No. Date Description

Drawing Number

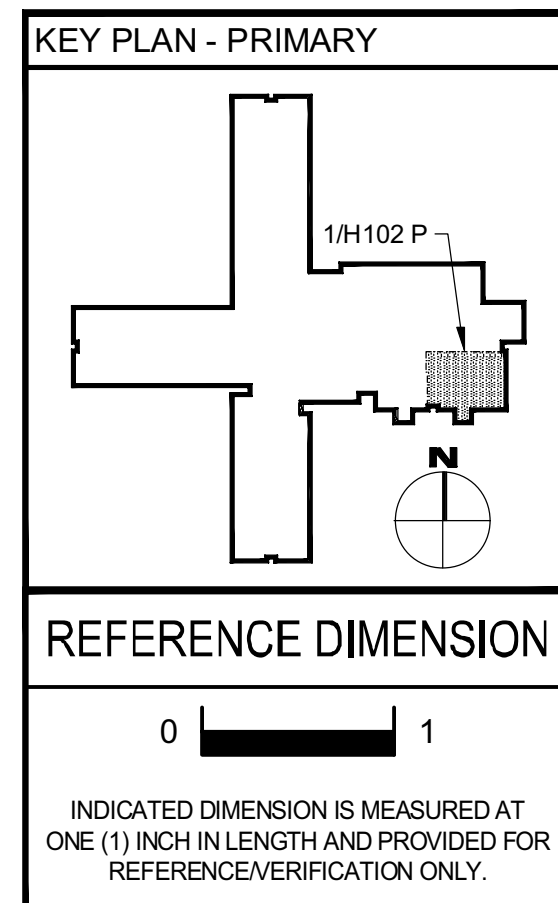
H102 E



DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC REMOVALS - PIPING  
SCALE: 1/4" = 1'-0"

### REMOVAL NOTES:

- 1 REMOVE PIPING BACK TO LOCATION INDICATED, INCLUDING INSULATION, SUPPORTS, HANGERS, VALVES, FITTINGS, UNIONS, ESCUTCHEONS AND ALL ASSOCIATED APPURTENANCES, CAP PIPING NEAR LOCATION INDICATED. WHERE NEW WORK IS NOT UTILIZING THE EXISTING OPENINGS, PATCH PENETRATIONS TO MATCH EXISTING CONSTRUCTION AND FINISH. REFER TO HVAC PIPING NEW WORK DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 2 REMOVE EXISTING DECK SUSPENDED HEATING COIL AND ALL ASSOCIATED PIPING, HANGERS, SUPPORTS, VALVES, INSULATION, AND ALL ASSOCIATED APPURTENANCES. REFER TO HVAC DUCTWORK REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 3 REMOVE EXISTING DECK SUSPENDED AIR HANDLING UNIT AND ALL ASSOCIATED PIPING, HANGERS, SUPPORTS, ANCHORS, VALVES, AND APPURTENANCES. REMOVE ALL ASSOCIATED CHWS/CHWR AND HWS/HWR PIPING BACK TO POINT INDICATED. REFER TO HVAC DUCTWORK REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
- 4 REMOVE EXISTING CEILING MOUNTED CABINET UNIT HEATER AND ALL ASSOCIATED PIPING, HANGERS, SUPPORTS, ANCHORS, VALVES, AND APPURTENANCES. REMOVE ALL ASSOCIATED HWS/HWR PIPING BACK TO POINT INDICATED. REFER TO HVAC DUCTWORK REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS. PROVIDE NEW CEILING COMPONENTS TO MATCH EXISTING CONSTRUCTION, FINISH, AND MATERIALS. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- 5 REMOVE WALL MOUNTED THERMOSTAT IN ITS ENTIRETY, INCLUDING SUPPORTS, WIRING, AND/OR PNEUMATIC TUBING IF APPLICABLE. PATCH WALL AT COMPLETION OF REMOVAL WORK TO MATCH EXISTING CONSTRUCTION AND MATERIALS. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING.
- 6 REMOVE UNIT MOUNTED THERMOSTAT IN ITS ENTIRETY, INCLUDING SUPPORTS, WIRING, AND/OR PNEUMATIC TUBING IF APPLICABLE. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR FOR REMOVAL OF UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING.
- 7 REMOVE EXISTING WALL MOUNTED DUCTLESS SPLIT INDOOR EVAPORATOR, INCLUDING REFRIGERANT PIPING, THERMOSTAT, VALVES, CONDENSATE PIPING, PIPE INSULATION, PIPE PORTALS, AND ALL ASSOCIATED APPURTENANCES TO THE CONDENSING UNIT MOUNTED ON EXTERIOR WALL. DISCONNECT REFRIGERANT PIPING IN A MANNER AS TO CAPTURE REFRIGERANT. REMOVE EQUIPMENT WITHOUT RELEASING REFRIGERANT TO THE ATMOSPHERE. COMPLY WITH ALL APPLICABLE CODES AND REGULATIONS CONCERNING THE USE, RECOVERY AND RECYCLING OF REFRIGERANTS. PATCH THE REMAINING PENETRATION TO MATCH EXISTING CONSTRUCTION AND FINISH. PATCH EXTERIOR WALL IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS. PATCH AND PAINT TO MATCH EXISTING. REFER TO ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- 8 REMOVE EXISTING OUTDOOR WALL MOUNTED CONDENSING UNIT INCLUDING ALL SUPPORTS/SUPPORT RAILS, AND ALL ASSOCIATED APPURTENANCES TO THE DUCTLESS SPLIT INDOOR EVAPORATOR. REFER TO HVAC DUCTWORK REMOVAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.



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G&H Project No. 2024-147

ENGINEER  
MICHAEL S. GILLAN, PE  
DATE  
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JASON J. DUBOWITZ, AIA  
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William D. Hopkins  
Architect

**GEVHHD** architects  
planners  
Fraytak Veisz Hopkins Duthie P C  
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Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
RPF  
Scale  
AS NOTED

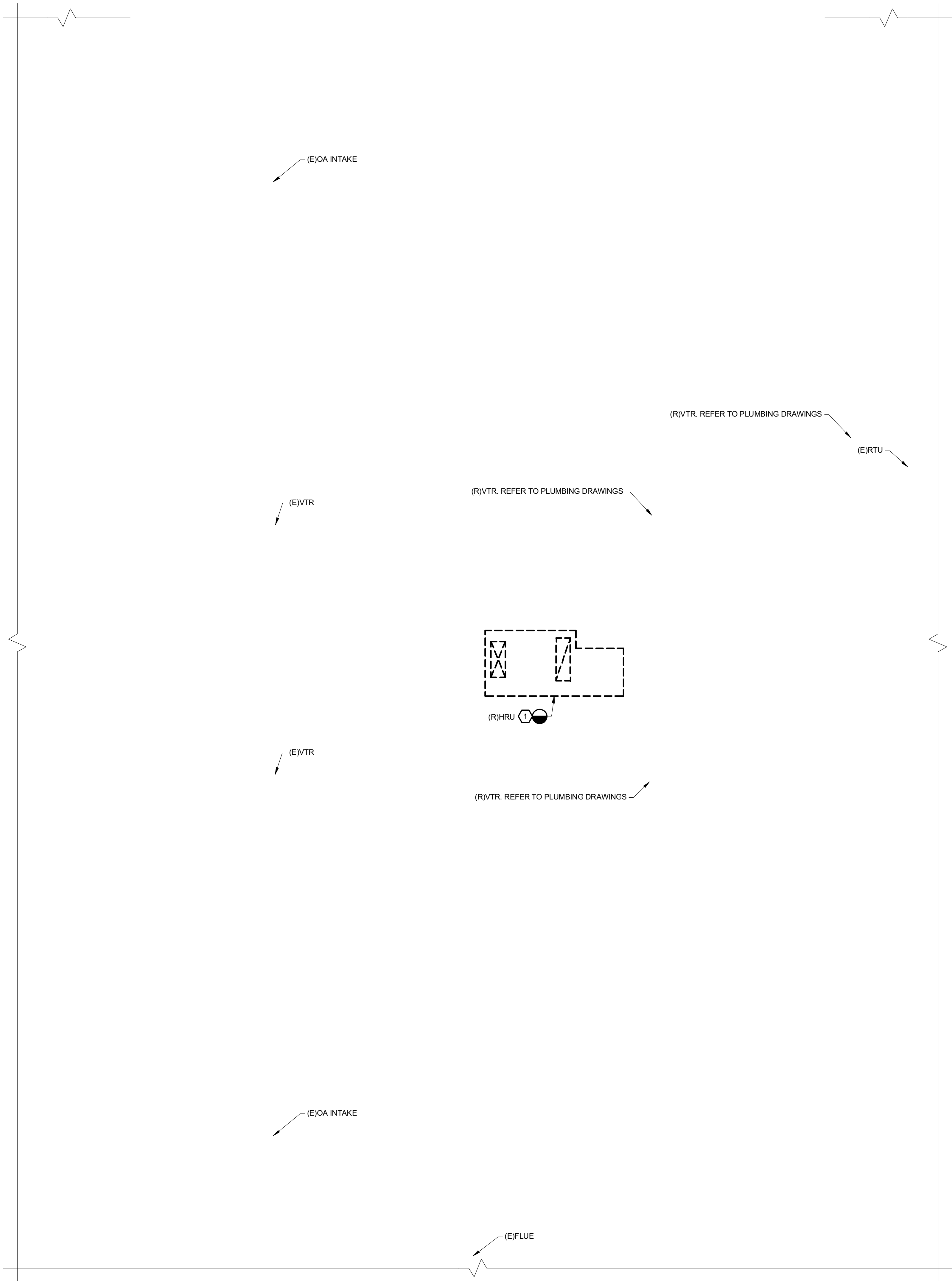
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PRIMARY  
SCHOOL HVAC  
REMOVALS -  
PIPING - FIRST  
FLOOR PARTIAL  
PLAN

Revisions  
No. Date Description

Drawing Number

H102 P



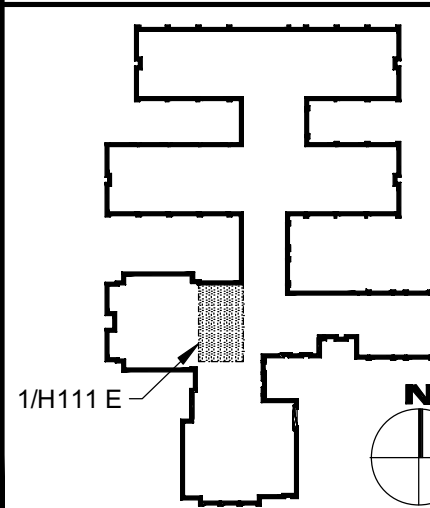


1  
H111 E  
DAVENPORT ELEMENTARY SCHOOL  
PARTIAL ROOF PLAN - HVAC REMOVALS  
SCALE: 1/4" = 1'-0"

REMOVAL NOTES:

- ① REMOVE EXISTING ROOF TOP UNIT INCLUDING BLOCKING, COUNTER FLASHING, FLEXIBLE CONNECTIONS, VALVES, AND ALL ASSOCIATED APPURTENANCES. REMOVE EXISTING ROOF CURB AND PATCH ROOF TO MATCH WHERE REQUIRED FOR REPLACEMENT UNIT AND NEW CURB INDICATED ON NEW WORK PLANS. ALL ROOF WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOF MANUFACTURER'S RECOMMENDATIONS. MAINTAIN ROOF WARRANTY. REFER TO HVAC PIPING REMOVAL DRAWINGS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.

KEY PLAN - ELEMENTARY



REFERENCE DIMENSION

0 1  
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*William D. Hopkins III*  
Architect  
Date: 11/01/2024

**GEVHD**  
architects  
planners  
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Corporate: 1315 Lower Ferry Road - Trenton - New Jersey 08618  
Pennsylvania: 140 Whittaker Ave - Mont Clare - Pennsylvania 19453

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Project Owner Name

Egg Harbor Township  
School District

Project Location

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Township, NJ 08234

Project Number

5481

Project Date

11.01.2024

Checked By

KLH

Drawn By

BEK

Scale

AS NOTED

Drawing Name

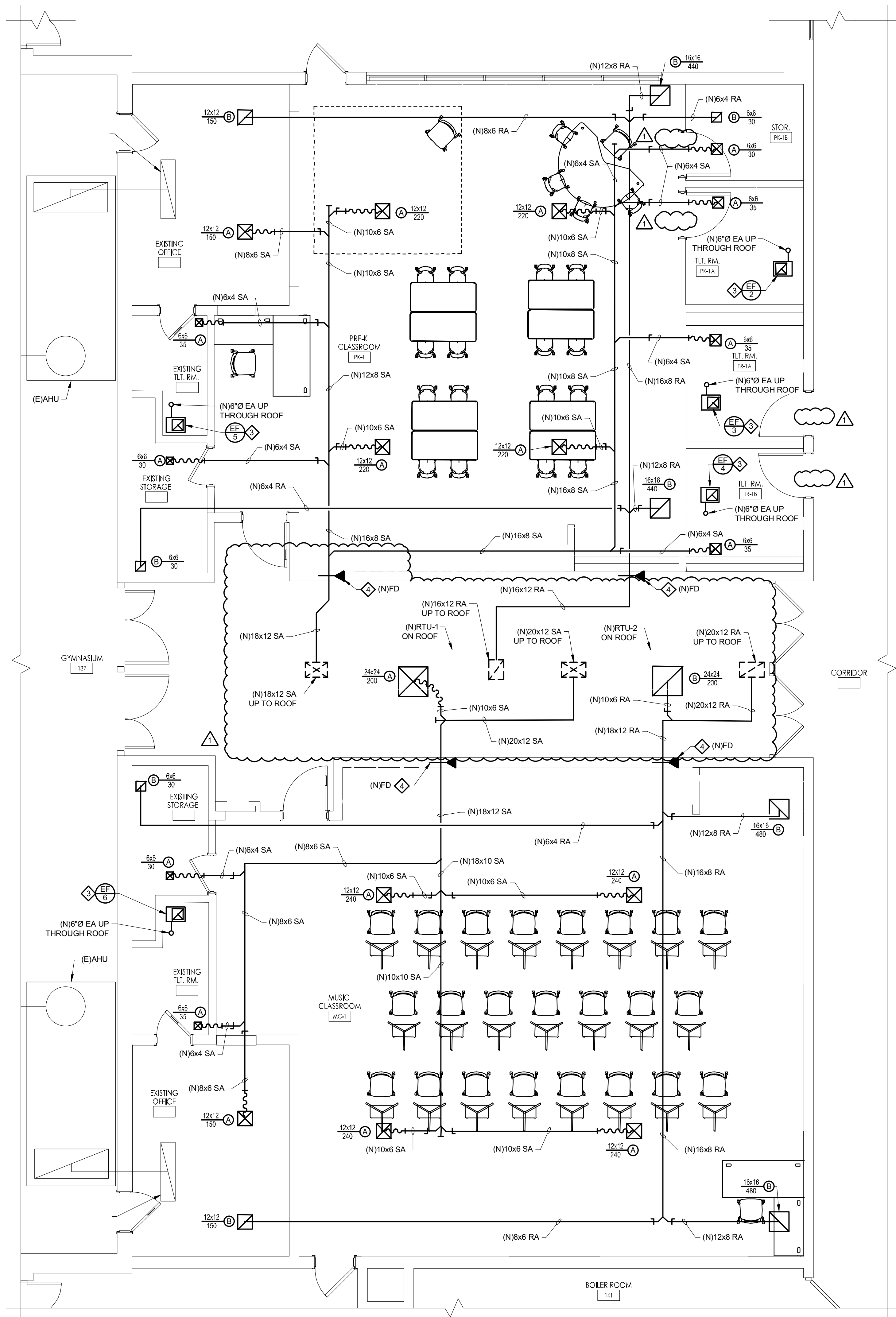
ELEMENTARY  
SCHOOL HVAC  
REMOVALS -  
PARTIAL ROOF  
PLAN

Revisions

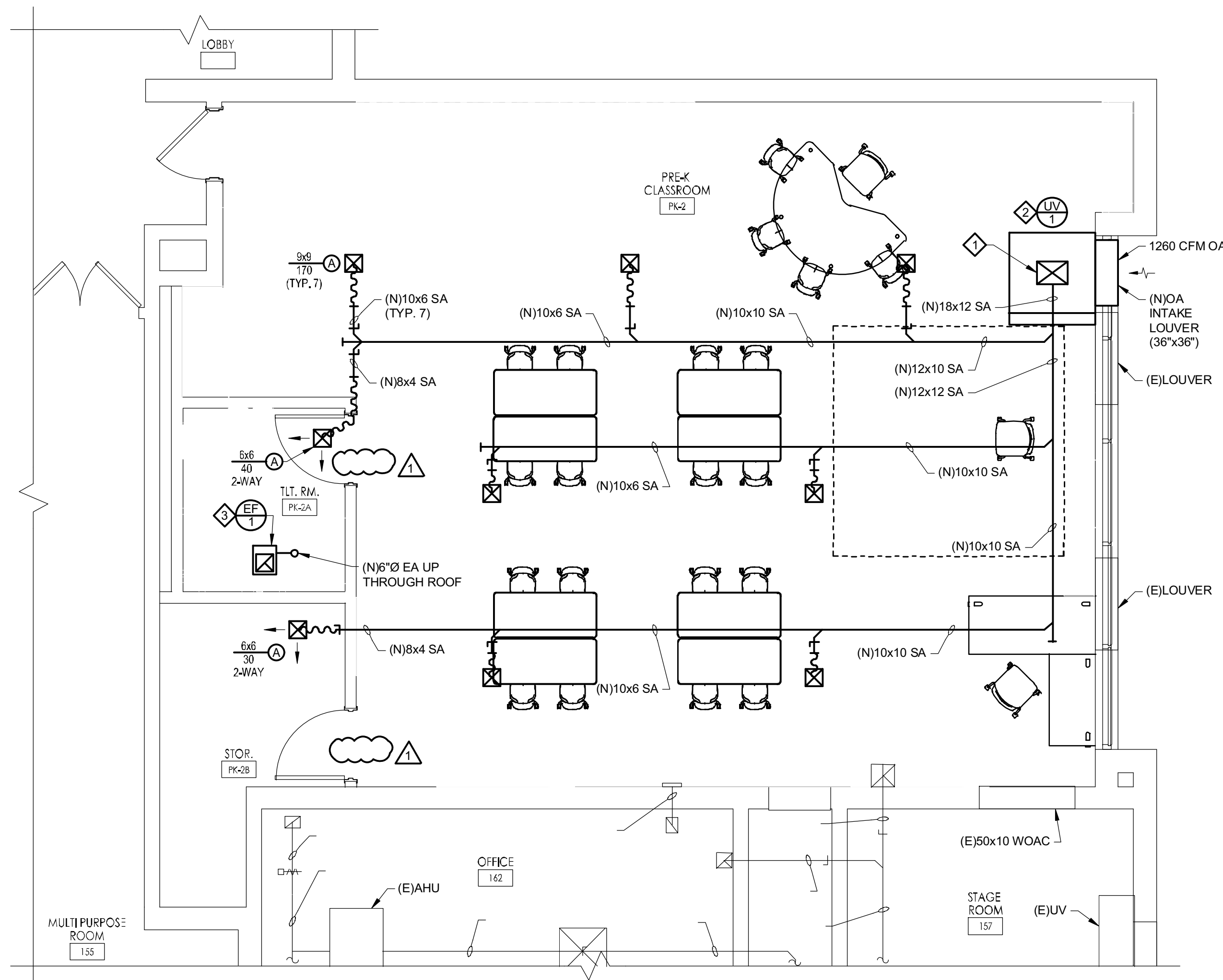
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Drawing Number

H111 E



DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC NEW WORK - DUCTWORK  
1 H201 E SCALE: 1/4" = 1'-0"

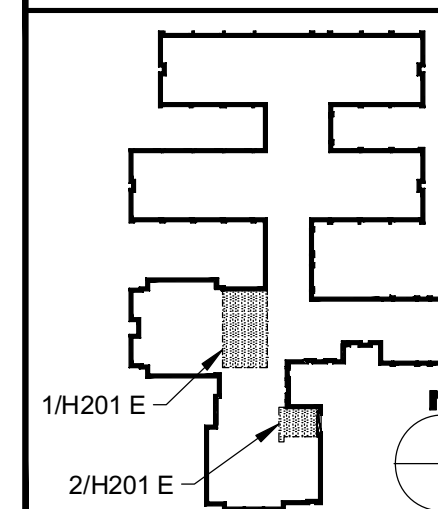


DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC NEW WORK - DUCTWORK  
2 H201 E SCALE: 1/4" = 1'-0"

#### NEW WORK NOTES:

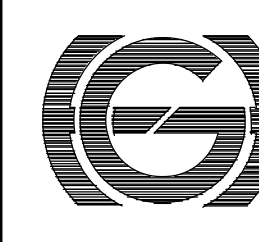
- PROVIDE 18x12 SUPPLY AIR DUCTWORK FROM UV-1 AND ROUTE ABOVE CEILING WITH DUCT SHROUD. EXTEND DUCT SHROUD TO ALL ADJACENT WALL/UNIT SURFACES. DUCTWORK SHALL NOT BE EXPOSED.
- PROVIDE NEW VERTICAL UNIT VENTILATOR (UV-1). DUCT SHROUD, FILLER PANELS, WALL SLEEVE, AND LOUVER. COMPLETED UNIT INSTALLATION SHALL NOT REVEAL ANY EXPOSED INSULATION, PIPING OR UNPAINTED SHEET METAL. REFER TO MECHANICAL DETAILS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 6"Ø EXHAUST AIR FROM EXHAUST FAN (EF) WITH FLEXIBLE CONNECTION UP THROUGH ROOF WITH DUCT PENETRATION CURB AND FACTORY CURB DISCHARGE CAP. EXHAUST DISCHARGE LOCATION SHOWN IS APPROXIMATE. ADJUST AS REQUIRED TO AVOID CONFLICTS. COORDINATE FINAL PLACEMENT AND ALL CUTTING, PATCHING AND FLASHING. REFER TO MECHANICAL DETAILS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 1-1/2 HOUR DYNAMIC FIRE DAMPER (FD), SIZE AS NOTED ON PLAN, IN ACCORDANCE WITH EXISTING FIRE RATED WALL/FLOOR.

#### KEY PLAN - ELEMENTARY



#### REFERENCE DIMENSION

0 1  
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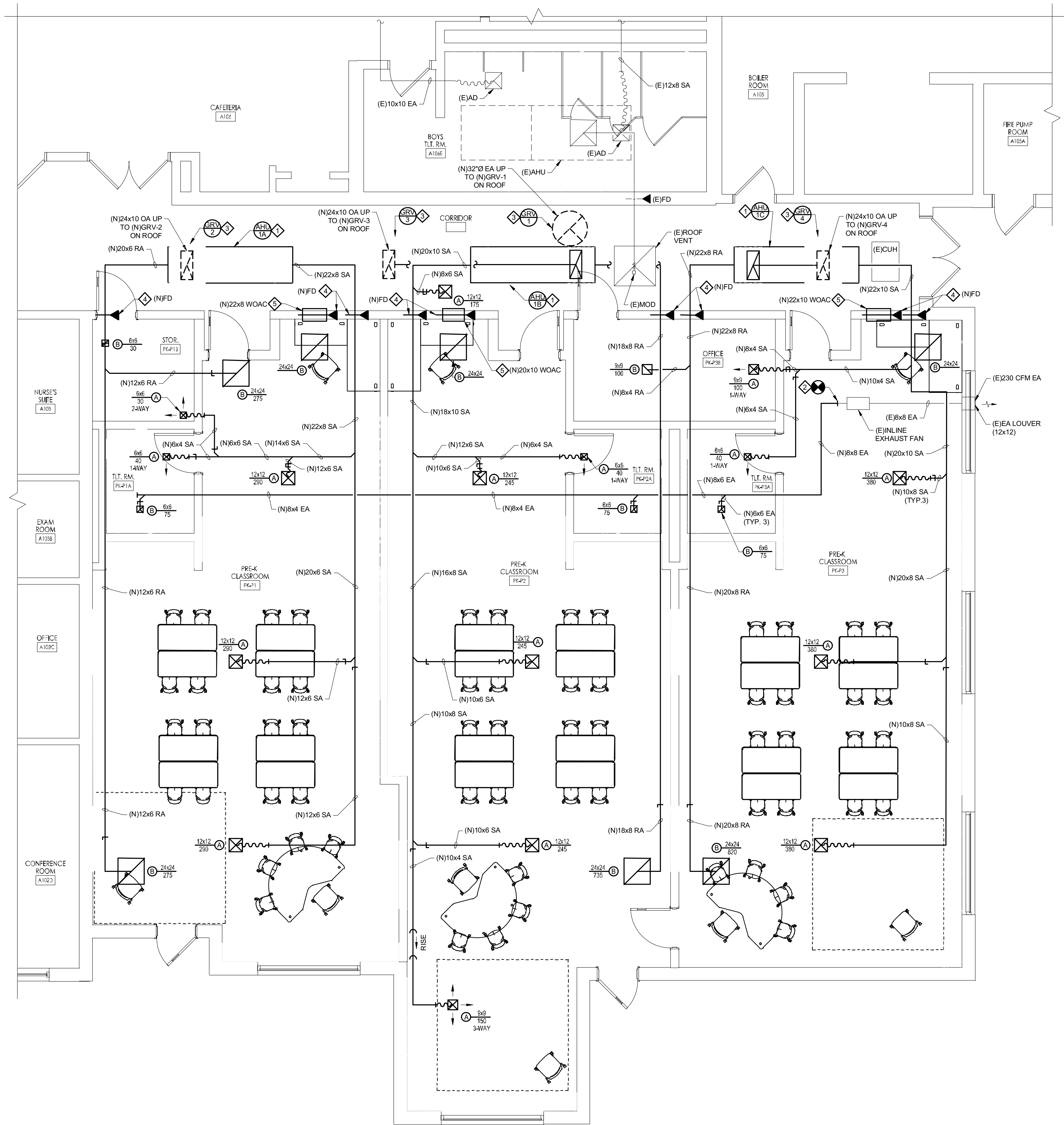
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ELEMENTARY  
SCHOOL HVAC  
NEW WORK -  
DUCTWORK -  
FIRST FLOOR  
PARTIAL PLAN

Revisions	No.	Date	Description
1	11.29.24	ADDENDUM 1	

Drawing Number

H201 E

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NJ-214073950  
JASON J. DUBOWITZ, AIA  
NJ-214071982 | PA-1646037  
Architect  
Date  
11/01/2024  
F V H D C C O M

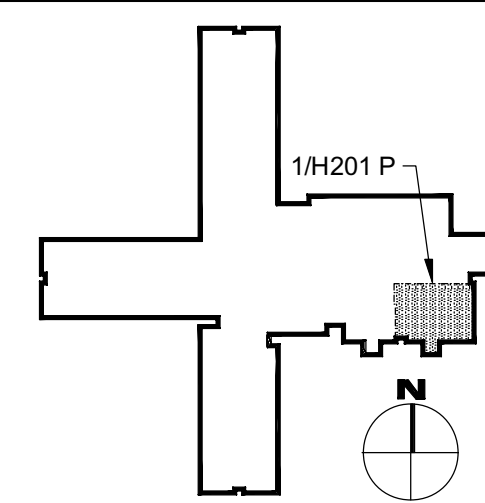


DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC NEW WORK - DUCTWORK  
SCALE: 1/4" = 1'-0"

NEW WORK NOTES:

- PROVIDE NEW ABOVE CEILING AIR HANDLING UNIT (AHU), OUTSIDE AIR INTAKE ROOF CURB, AND ALL ASSOCIATED HANGERS AND ANCHORS. COORDINATE AHU INSTALLATION HEIGHT WITH DUCTWORK, PIPING, STRUCTURAL STEEL, AND REQUIRED MAINTENANCE/ACCESS CLEARANCES. RETAIN BUILDING CONTROLS CONTRACTOR/VENDOR TO PROVIDE ALL REQUIRED UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING. ALL ROOF WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOF MANUFACTURER'S RECOMMENDATIONS AND MAINTAIN ROOF WARRANTY.
- EXTEND AND CONNECT NEW DUCTWORK TO EXISTING DUCTWORK REMAINING FROM DEMOLITION NEAR LOCATION INDICATED. PROVIDE SUPPORTS/HANGERS, RIGID DUCTWORK AND TRANSITIONS. ADJUST DUCTWORK AS NECESSARY TO AVOID CONFLICTS.
- PROVIDE NEW GRAVITY ROOF VENTILATOR NEAR LOCATION INDICATED ON ROOF WITH MANUFACTURER'S ROOF CURB AND ALL REQUIRED MOUNTING/ANCHORING. ALL ROOF WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOF MANUFACTURER'S RECOMMENDATIONS AND MAINTAIN ROOF WARRANTY.
- PROVIDE 1-1/2 HOUR DYNAMIC FIRE DAMPER, SIZE AS NOTED ON PLAN, IN ACCORDANCE WITH EXISTING FIRE RATED WALL/FLOOR.
- PROVIDE NEW INTERIOR WALL OPENING ABOVE CEILING WITH FIRE DAMPER AND BIRD SCREEN, SIZE AS NOTED ON PLAN, TO ACCOMMODATE PLENUM TRANSFER AIR.

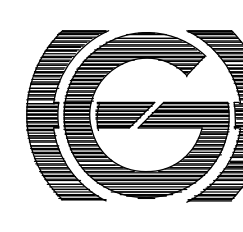
KEY PLAN - PRIMARY



REFERENCE DIMENSION

0 1

INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.



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CONSULTING ENGINEERS  
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215-238-8610 800-347-1593 302-664-9899  
gillan-hartmann.com ghmail@gillan-hartmann.com  
G&H Project No. 2024-147

Cert. of Auth #240427932-630

ENGINEER  
MICHAEL S. GILLAN, PE

DATE  
NO. 24GE04470000

11/01/2024  
ISSUE FOR BID

WILLIAM D. HOPKINS III, AIA, LEED AP  
NJ-214073062 | PA-16432030  
GEORGE R. DUTHIE, JR., AIA, PP  
NJ-214073950  
JASON J. DUBOWITZ, AIA  
NJ-214071780 | PA-1646037  
Architect  
Date: 11/01/2024

**GEVHHD** architects  
planners  
Fraytak Veisz Hopkins Duthie P C  
Corporate: 1315 Lower Ferry Road - Trenton - New Jersey 08618  
Pennsylvania: 140 Whittaker Ave - Mont Clare - Pennsylvania 19453  
F V H D P C C O M

Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
RPF  
Scale  
AS NOTED

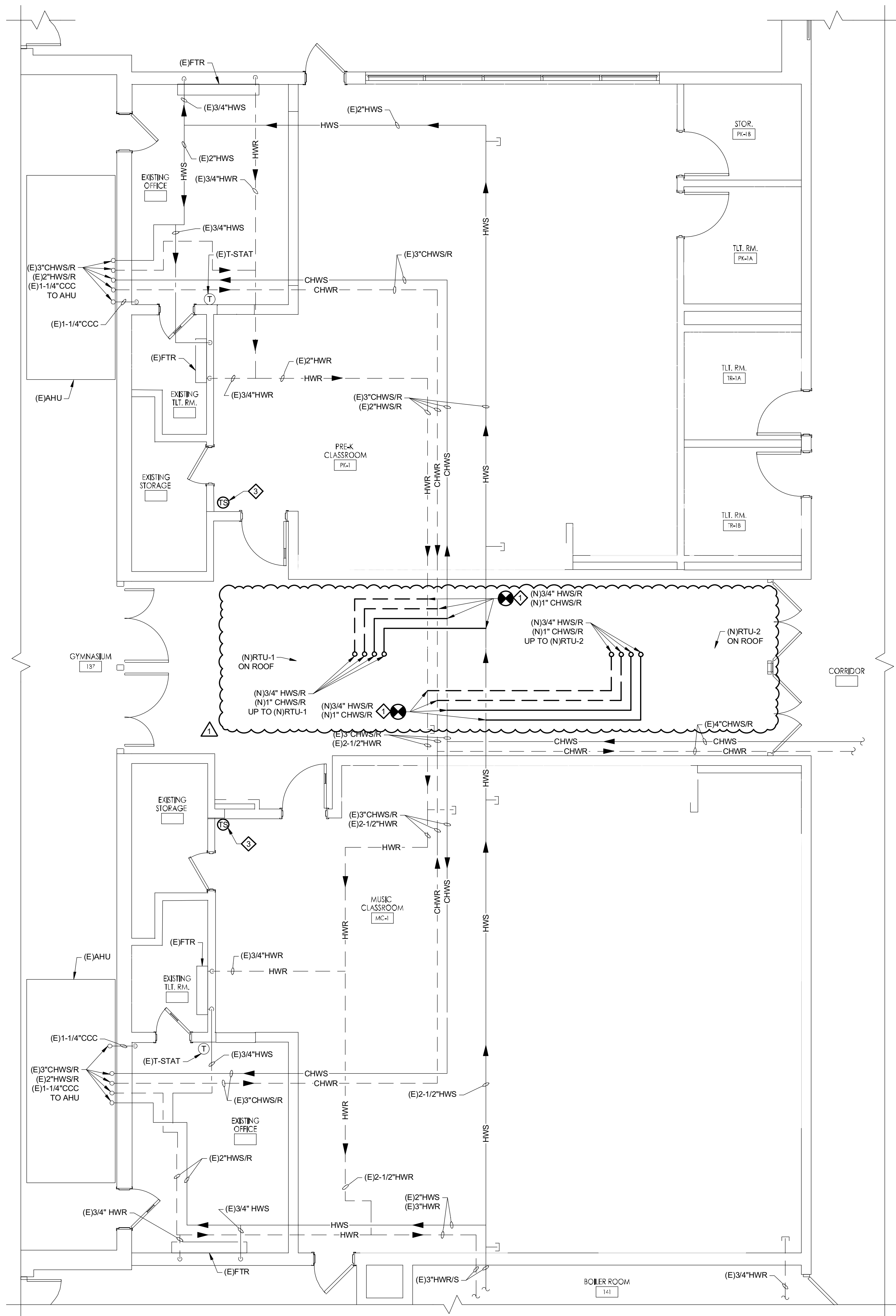
Drawing Name  
PRIMARY  
SCHOOL HVAC  
NEW WORK -  
DUCTWORK -  
FIRST FLOOR  
PARTIAL PLAN

Revisions  
No. Date Description

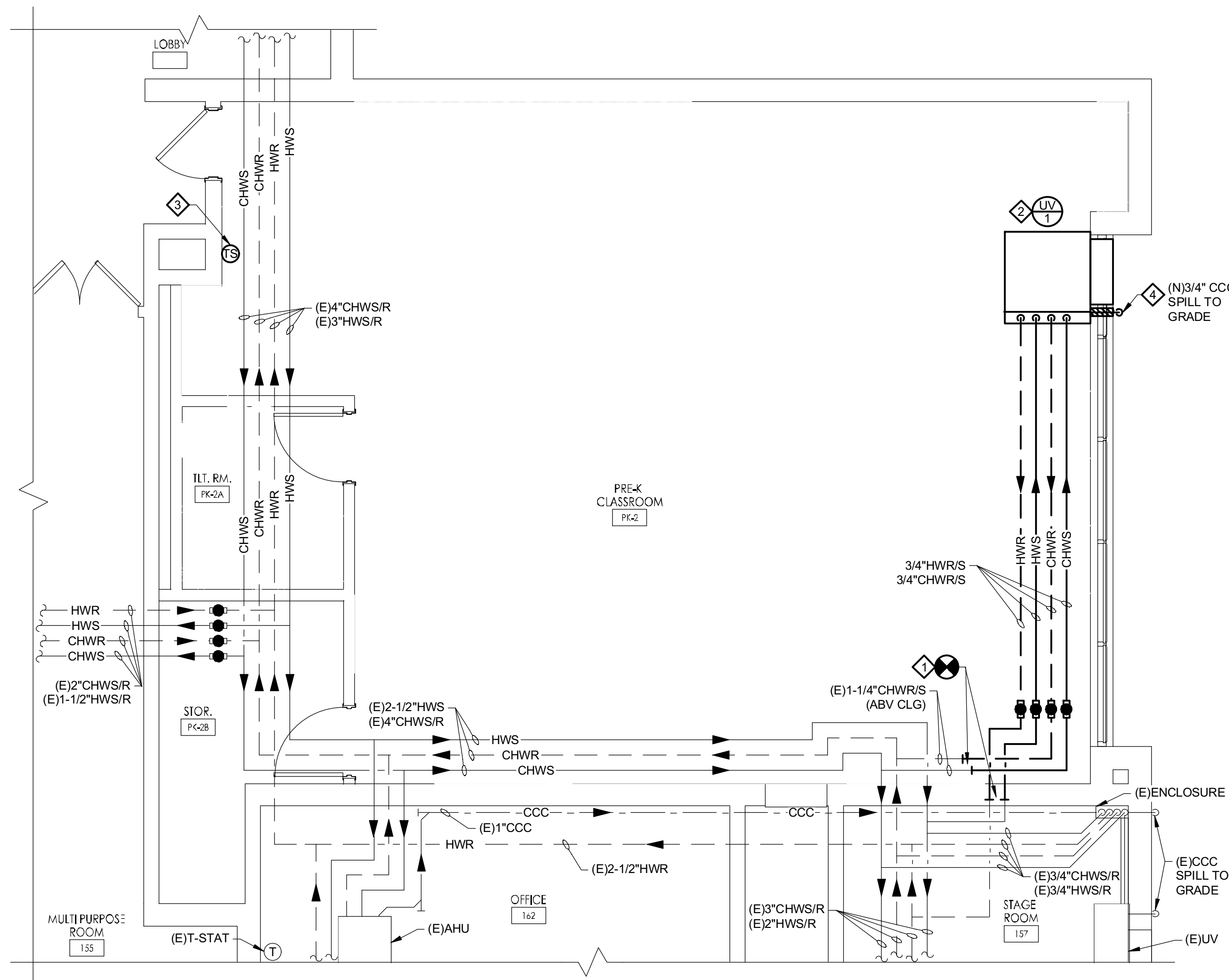
Drawing Number

H201 P





DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC NEW WORK - PIPING  
SCALE: 1/4" = 1'-0"

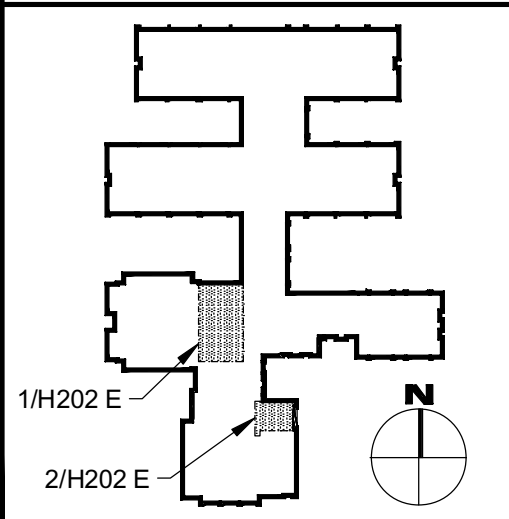


DAVENPORT ELEMENTARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC NEW WORK - PIPING  
SCALE: 1/4" = 1'-0"

**NEW WORK NOTES:**

- EXTEND AND CONNECT NEW PIPING, AS SIZED ON PLAN, WITH SHUT-OFF/ISOLATION VALVES TO EXISTING PIPE CONNECTION REMAINING FROM REMOVAL. WORK CLOSE TO THE EXISTING PIPE MAINS.
- PROVIDE NEW VERTICAL UNIT VENTILATOR (UV-1) AND ALL ASSOCIATED MOUNTING AND ANCHORS. VERIFY IN FIELD ALL EXISTING DIMENSIONS FOR NEW UV. WHERE UV REQUIRES REAR EXTENSION PANELS DUE TO EXISTING SILL HEIGHT, PROVIDE REAR EXTENSIONS, UPPER FILLER PANELS AND FACTORY UNIT COLOR MATCHED SIDE COVERS PANELS. COMPLETED UNIT INSTALLATION SHALL NOT REVEAL ANY EXPOSED INSULATION, PIPING OR UNPAINTED SHEET METAL. REFER TO MECHANICAL DETAILS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- PROVIDE NEW TEMPERATURE SENSOR MOUNTED AT ADA HEIGHT WITH SURFACE MOUNTED WIREMOLD/RACEWAY.
- PROVIDE WALL PENETRATION WITH PIPE SLEEVE (LINK SEAL) TO FACILITATE INSTALLATION OF 3/4" CCC PIPING SPILL TO GRADE. PIPE PENETRATION TO OCCUR AT BOTTOM OF WALL AS INDICATED. PROVIDE PIPE TURN DOWN AND CONCRETE SPLASH BLOCK.

**KEY PLAN - ELEMENTARY**



**REFERENCE DIMENSION**

0 1  
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ENGINEER  
MICHAEL S. GILLAN, PE  
DATE  
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Architect  
F.V.H.D.P.C.O.M.  
Date: 11/01/2024

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Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
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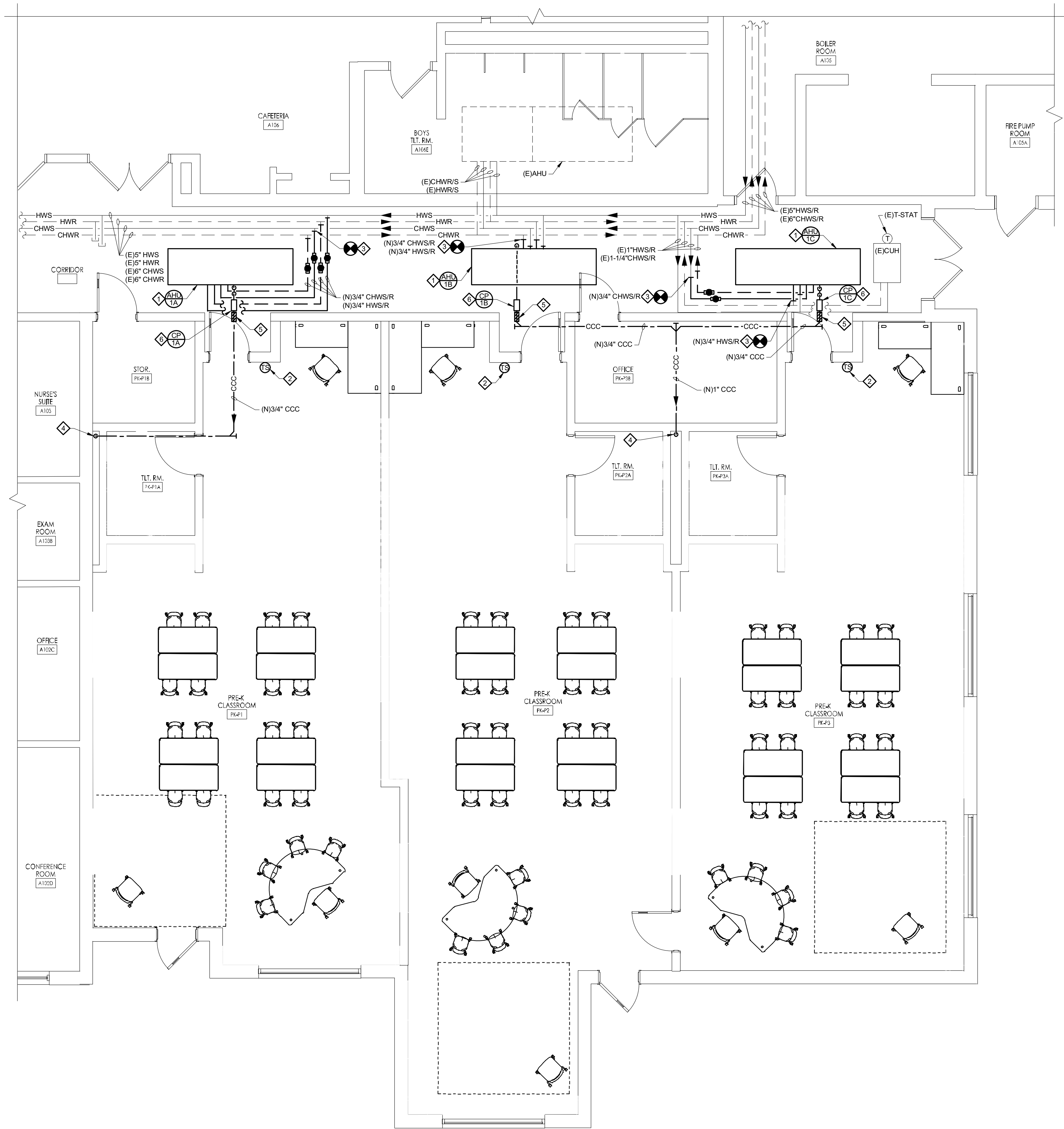
Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
KLH  
Drawn By  
RPF  
Scale  
AS NOTED

Drawing Name  
ELEMENTARY  
SCHOOL HVAC  
NEW WORK -  
PIPING - FIRST  
FLOOR PARTIAL  
PLAN

Revisions	No.	Date	Description
1	11.29.24	ADDENDUM 1	

Drawing Number

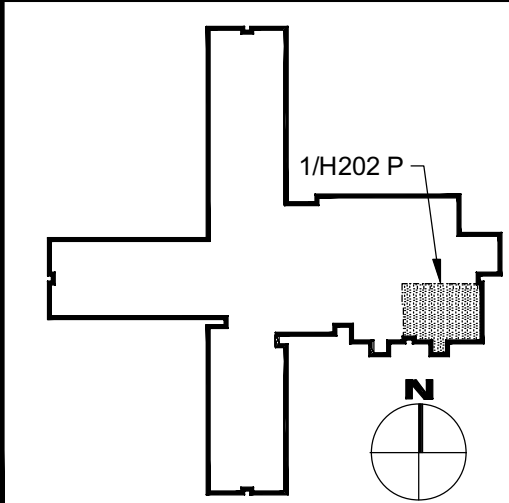
H202 E



NEW WORK NOTES:

- ◇ PROVIDE NEW ABOVE CEILING AIR HANDLING UNIT (AHU) AND ALL ASSOCIATED VALVES, HANGERS AND ANCHORS. COORDINATE LOCATION WITH MANUFACTURES CLEARANCE REQUIREMENTS.
- ◇ PROVIDE NEW TEMPERATURE SENSOR MOUNTED AT ADA HEIGHT. RETAIN BUILDING CONTROLS. CONTRACTOR/VENDOR TO PROVIDE ALL REQUIRED UNIT CONTROLS AND ALL ASSOCIATED CONTROL WIRING. COORDINATE LOCATION WITH ADJACENT WIRING DEVICES.
- ◇ EXTEND AND CONNECT NEW PIPING, AS SIZED ON PLAN, WITH SHUTOFF/ISOLATION VALVES TO EXISTING PIPE CONNECTION REMAINING FROM REMOVAL WORK.
- ◇ PROVIDE NEW COOLING COIL CONDENSATE PIPING DOWN IN CHASE WITH FUNNEL TRAP, TRAP PRIMER AND PIPE ROUTING. REFER TO PLUMBING DRAWING #1/P201P FOR ADDITIONAL INFORMATION AND FINAL PIPE CONNECTION.
- ◇ PROVIDE WALL/FLOOR SLEEVES THROUGH ABOVE AND BELOW GRADE WALLS/FOUNDATIONS FOR ALL PIPE PENETRATIONS. PENETRATION RATING SHALL MATCH EXISTING WALL/FLOOR RATING.
- ◇ PROVIDE NEW ABOVE CEILING CONDENSATE PUMP WITH REQUIRED MOUNTING BRACKET, CHECK VALVE, AND OVERFLOW SIGNAL RELAY CONNECTION. MOUNT PUMP TO WALL NEAR LOCATION INDICATED. COORDINATE CONDENSATE PUMP MOUNTING HEIGHT WITH ASSOCIATED EQUIPMENT HEIGHT IN ORDER TO MAINTAIN REQUIRED SLOPE. COORDINATE WITH ELECTRICAL NEW WORK TO PROVIDE HARD WIRED POWER CONNECTION.

KEY PLAN - PRIMARY



REFERENCE DIMENSION

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DAVENPORT PRIMARY SCHOOL  
PARTIAL FLOOR PLAN - HVAC NEW WORK - PIPING  
SCALE: 1/4" = 1'-0"

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ENGINEER  
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DATE  
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NJ-214073950  
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NJ-214071780 P.A.-1646037  
Architect  
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Date

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F V H D P C C O M

Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
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Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
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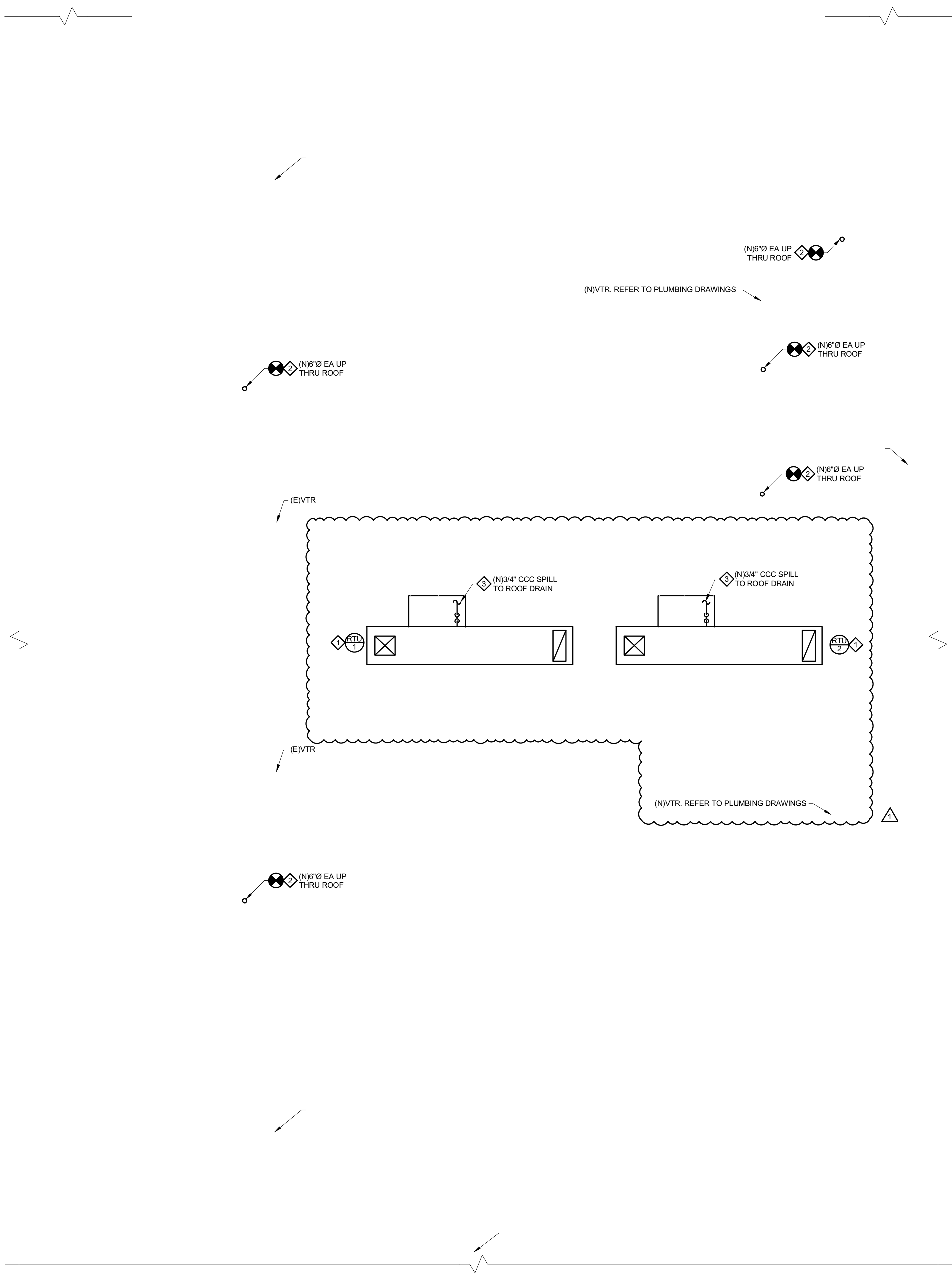
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RPF  
Scale  
AS NOTED

Drawing Name  
PRIMARY  
SCHOOL HVAC  
NEW WORK -  
PIPING - FIRST  
FLOOR PARTIAL  
PLAN

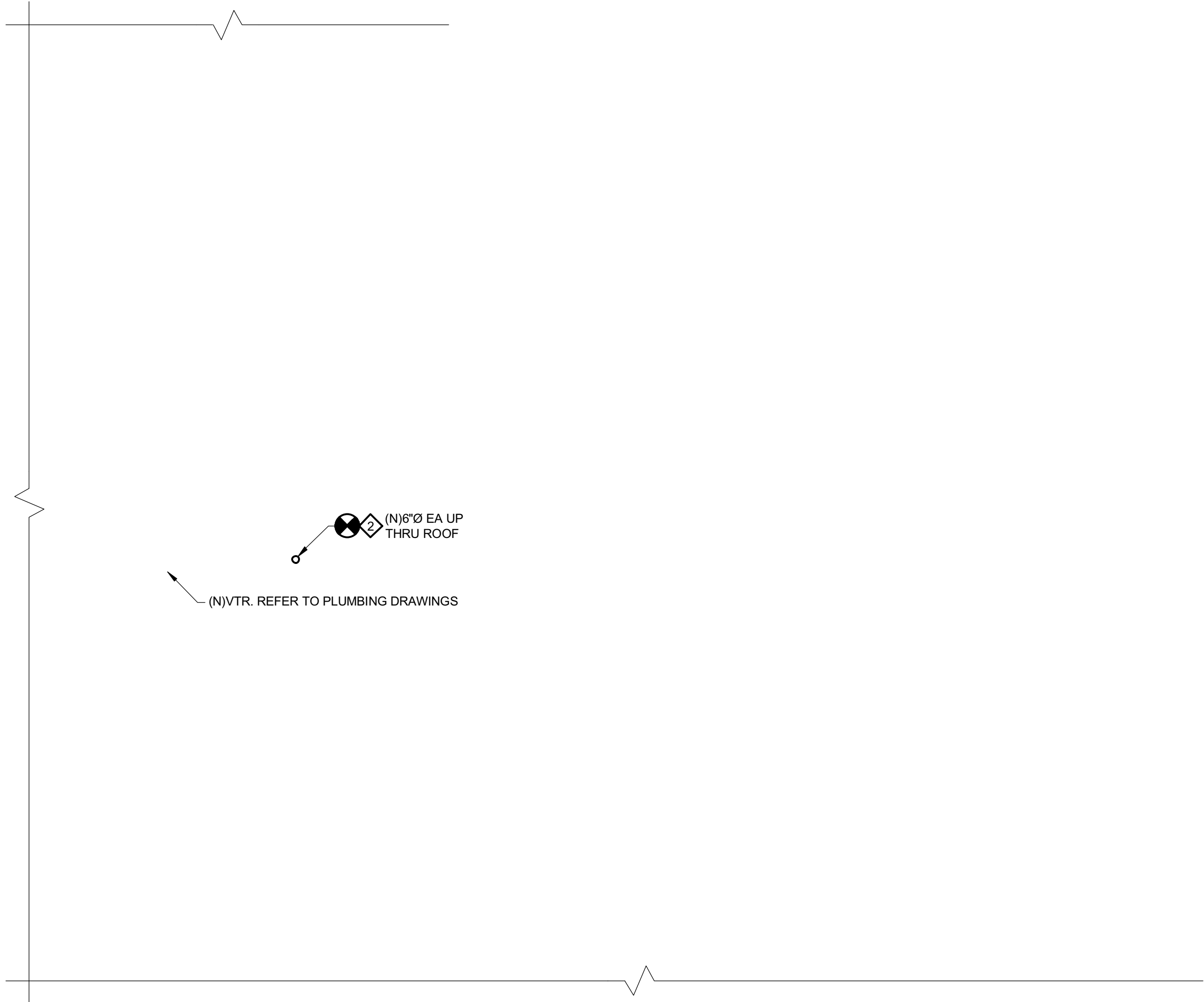
Revisions  
No. Date Description

Drawing Number

H202 P



1  
H211 E  
DAVENPORT ELEMENTARY SCHOOL  
PARTIAL ROOF PLAN - HVAC NEW WORK  
SCALE: 1/4" = 1'-0"

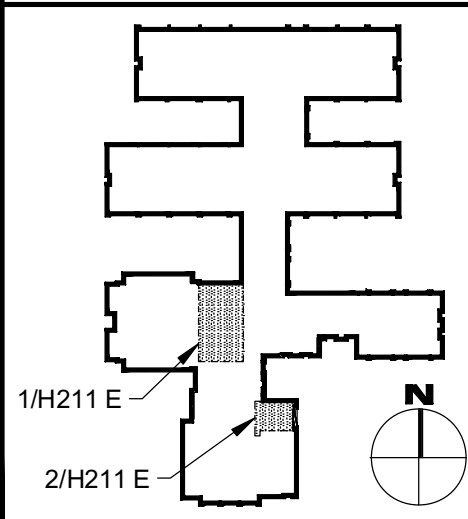


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H211 E  
DAVENPORT ELEMENTARY SCHOOL  
PARTIAL ROOF PLAN - HVAC NEW WORK  
SCALE: 1/4" = 1'-0"

NEW WORK NOTES:

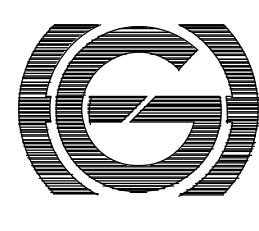
- ◇ PROVIDE NEW ROOF TOP UNIT (RTU) AT LOCATION INDICATED WITH MANUFACTURERS ROOF CURB AND ALL REQUIRED MOUNTING/ANCHORING. COORDINATE LOCATION OF ROOFTOP UNIT AND ALL DUCTWORK DROPS WITH STRUCTURAL STEEL CROSS BRACING AND FRAMING. REFER TO HVAC PIPING AND DUCTWORK NEW WORK DRAWINGS FOR ADDITIONAL REQUIREMENTS. ALL ROOF WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOF MANUFACTURERS RECOMMENDATIONS AND MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL STRUCTURAL DRAWINGS FOR STRUCTURAL STEEL AND FRAMING DETAILS.
- ◇ PROVIDE MANUFACTURERS ROOF CURB AND ALL REQUIRED MOUNTING/ANCHORING. ALL ROOF WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ROOF MANUFACTURERS RECOMMENDATIONS AND MAINTAIN ROOF WARRANTY. EXHAUST DISCHARGE LOCATION SHOWN IS APPROXIMATE. DISCHARGE SHALL BE LOCATED NO CLOSER THAN 10' FROM ALL EXISTING OUTDOOR AIR INTAKES. ADJUST AS REQUIRED TO AVOID CONFLICTS. REFER TO HVAC DUCTWORK NEW WORK DRAWINGS AND ARCHITECTURAL PLANS FOR ADDITIONAL REQUIREMENTS.
- ◇ PROVIDE COOLING COIL CONDENSATE DRAIN WITH P-TRAP AND SPILL TO ROOF DRAIN. ROUTE PIPING AND DISCHARGE TO NEAREST ROOF DRAIN.

KEY PLAN - ELEMENTARY



REFERENCE DIMENSION

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G&H Project No. 2024-147

Cert. of Auth #245427932400

ENGINEER  
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DATE  
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JASON J. DUBOWITZ, AIA  
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William D. Hopkins  
Architect  
11/01/2024  
Date

**GEVHHD**  
architects  
planners  
Fraytak Veisz Hopkins Duthe P C

F V H D P C . C O M

Corporate: 1315 Lower Ferry Road - Trenton - New Jersey 08618  
Pennsylvania: 140 Whittaker Ave - Mont Clare - Pennsylvania 19453

Project Name

Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name

Egg Harbor Township  
School District

Project Location

2501 Spruce Ave,  
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Project Number

5481

Project Date

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Checked By

KLH

Drawn By

BEK

Scale

AS NOTED

Drawing Name

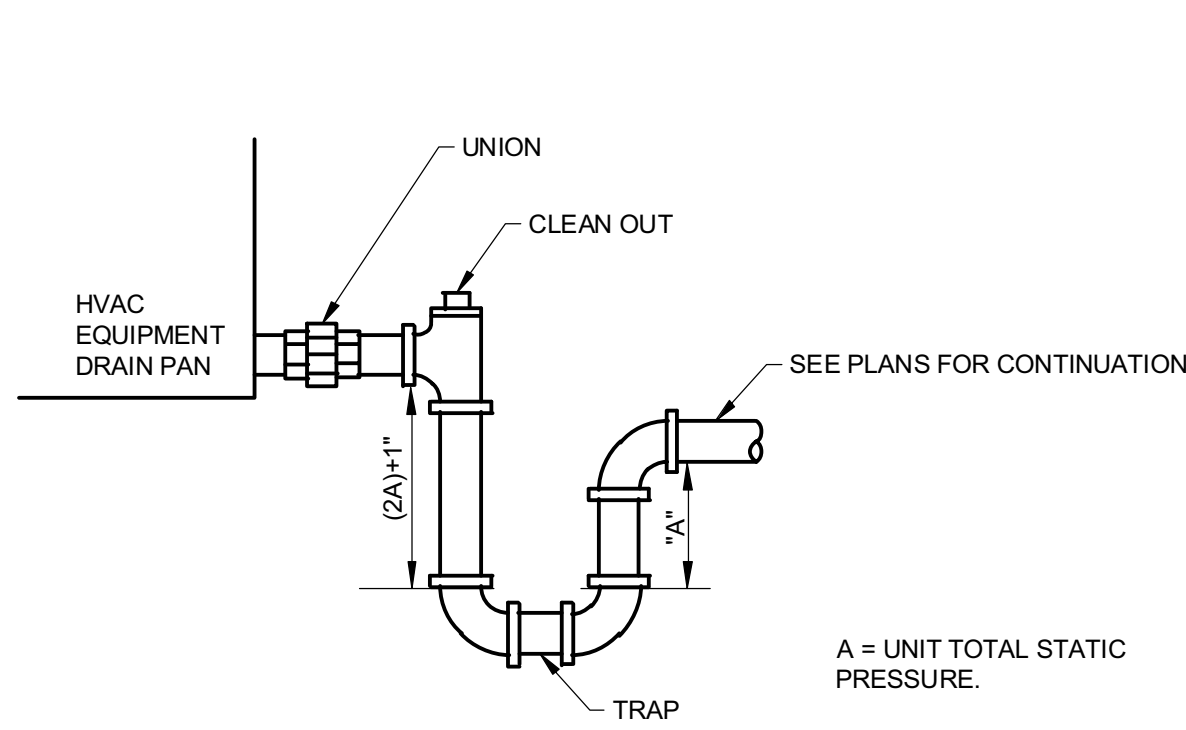
ELEMENTARY  
SCHOOL HVAC  
NEW WORK -  
PARTIAL ROOF  
PLAN

Revisions	No.	Date	Description
1	11.29.24	Addendum 1	

Drawing Number

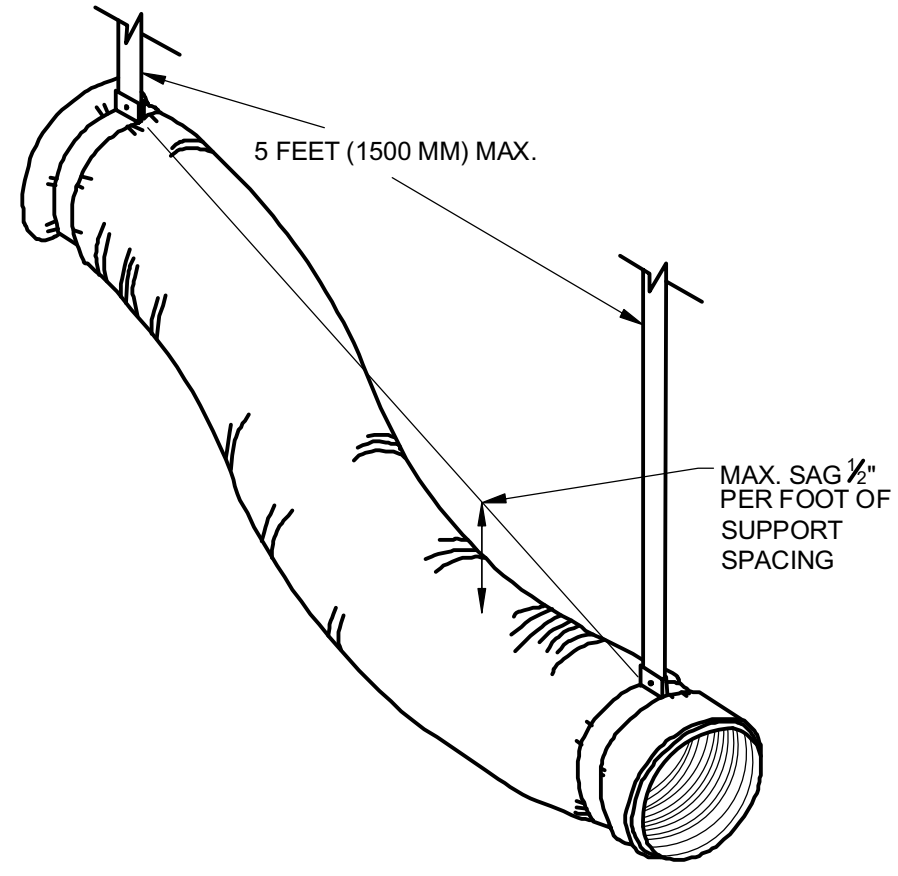
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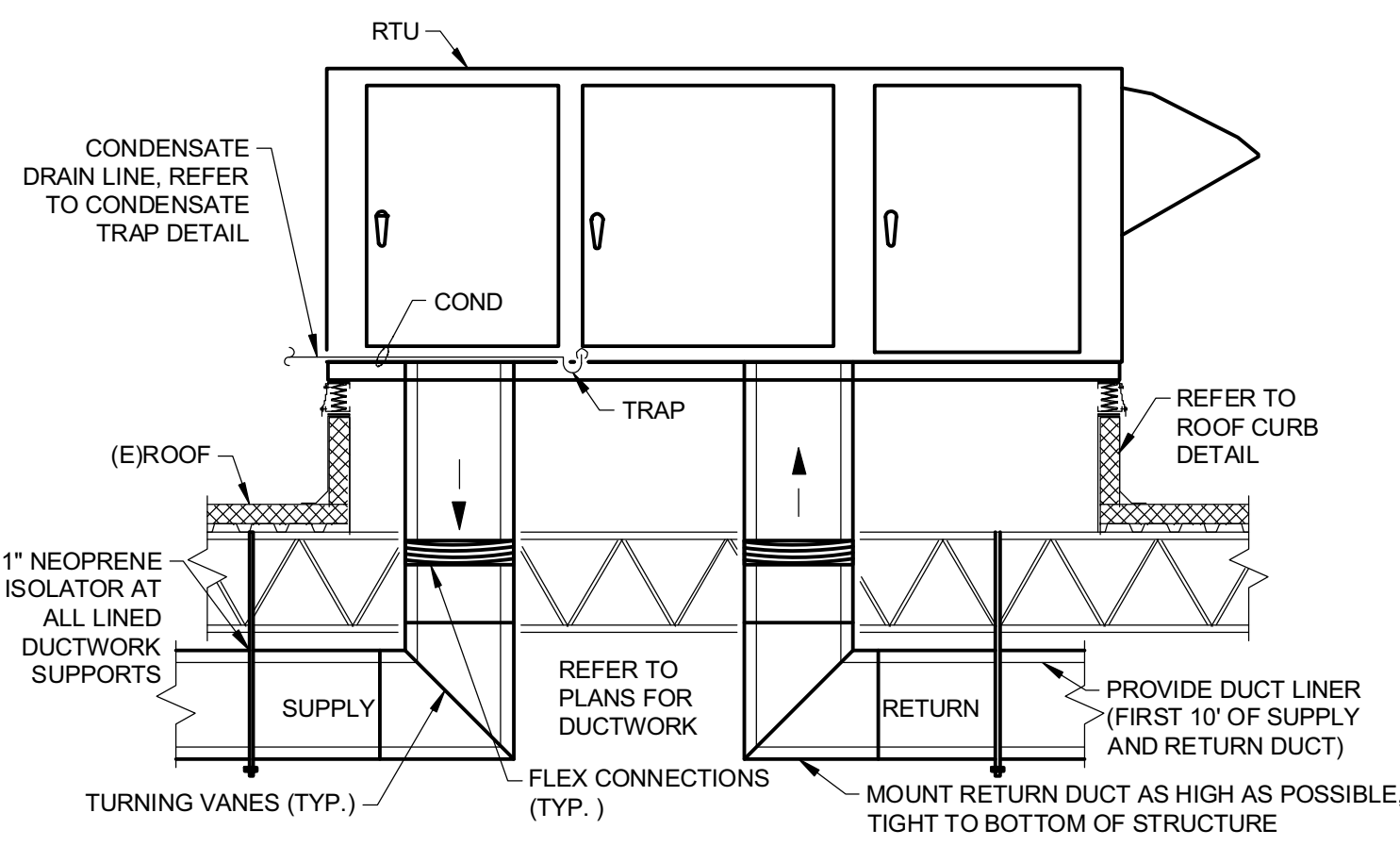


NOTE:  
FOR ROOFTOP UNITS TURN PIPING DOWN AND TERMINATE PIPING 3-INCHES ABOVE FINISHED ROOF. PROVIDE 12"x12"x1/2" RUBBER PAD FOR CONDENSATE TO SPILL ON, UNLESS OTHERWISE NOTED. COORDINATE PAD REQUIREMENTS TO MAINTAIN EXISTING ROOF WARRANTY. ALL PIPES FULL SIZE OF UNIT OUTLET.

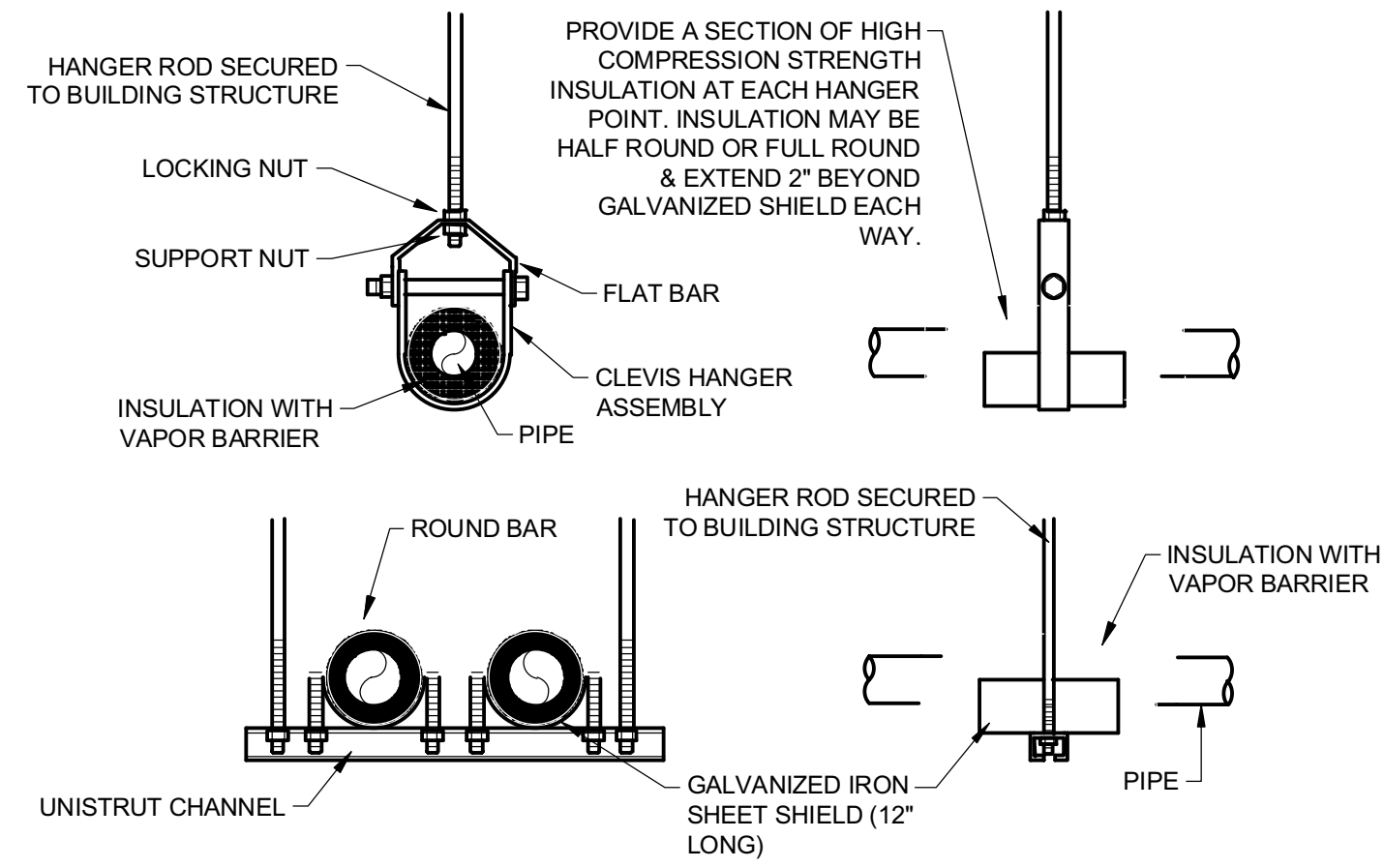
1 DETAIL - CONDENSATE TRAP  
H501 NO SCALE



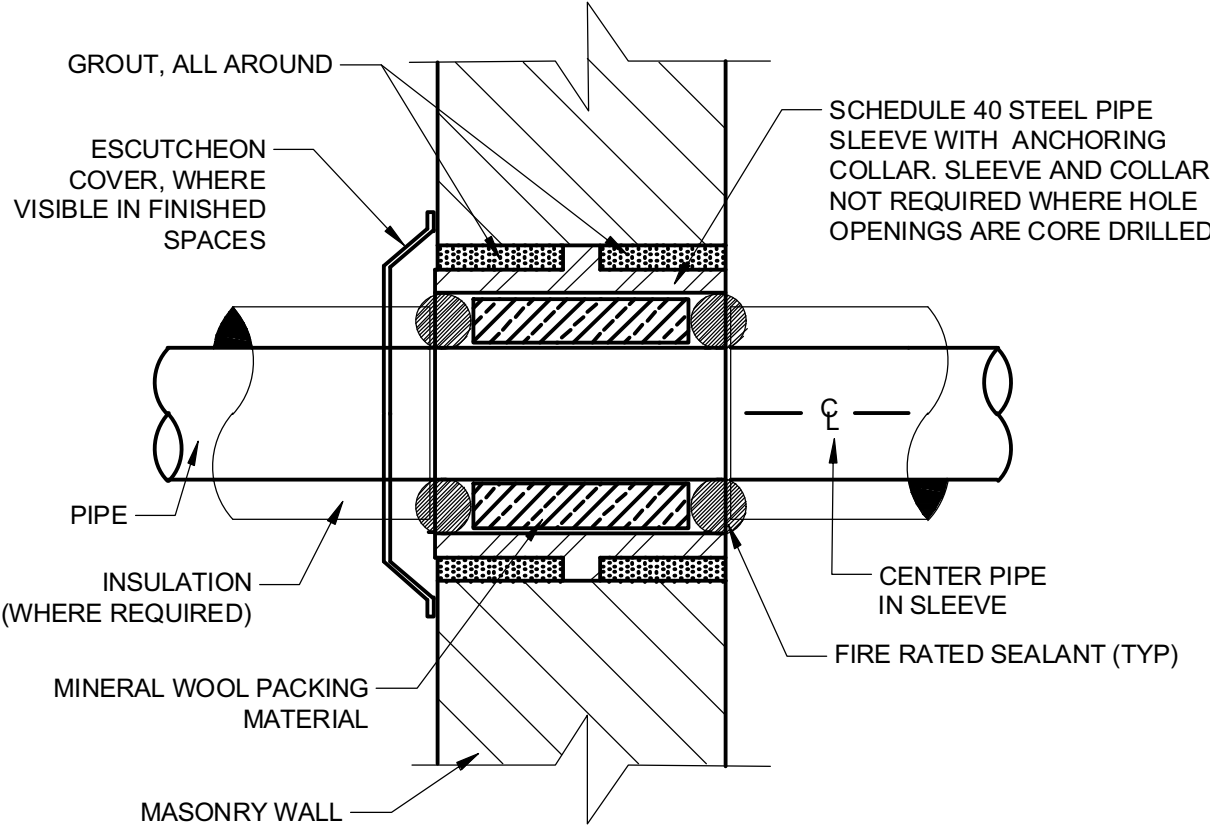
2 DETAIL - FLEX DUCT SUPPORT  
H501 NO SCALE



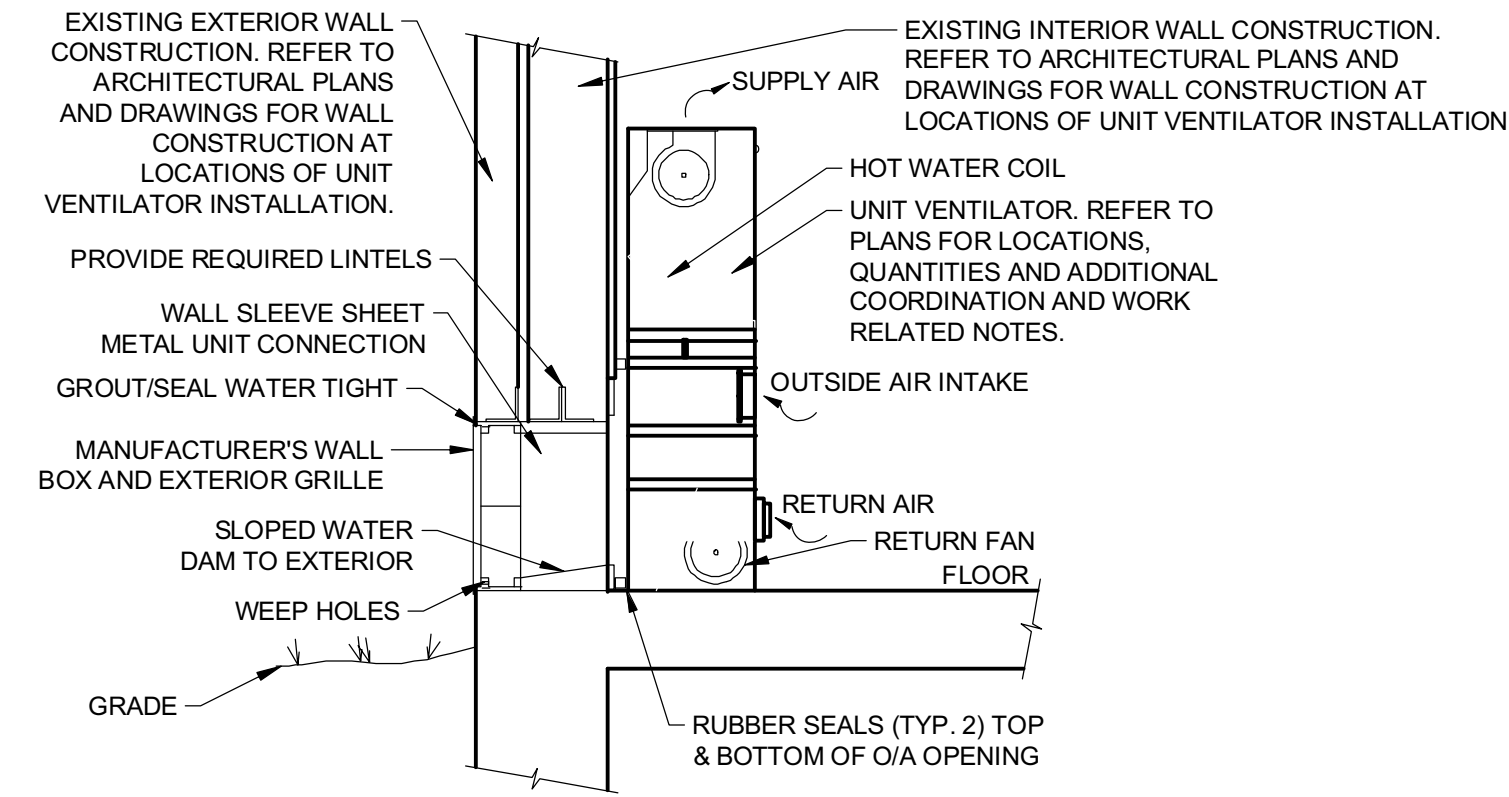
3 DETAIL - ROOFTOP UNIT DETAIL  
H501 NO SCALE



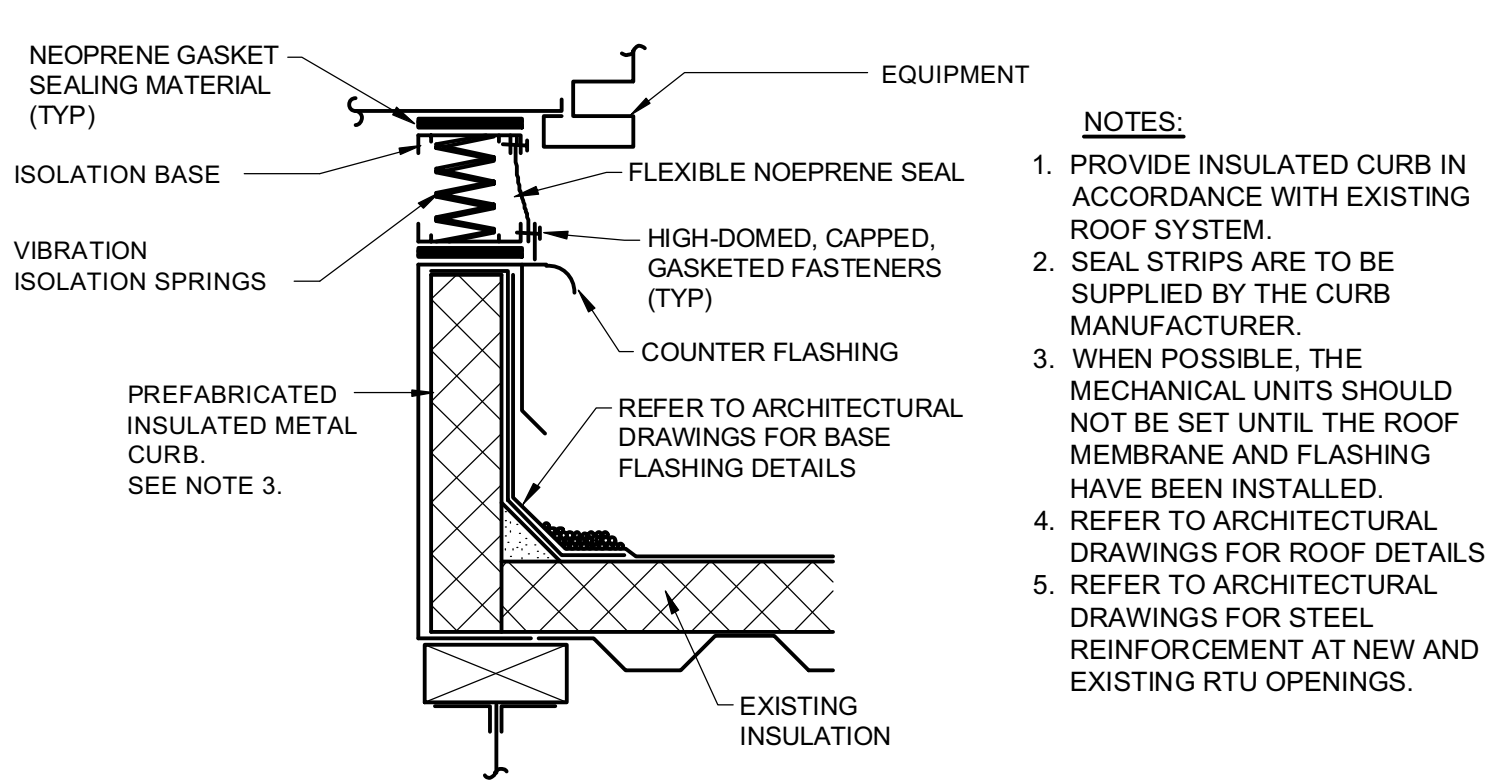
4 DETAIL-PIPE HANGERS  
H501 NO SCALE



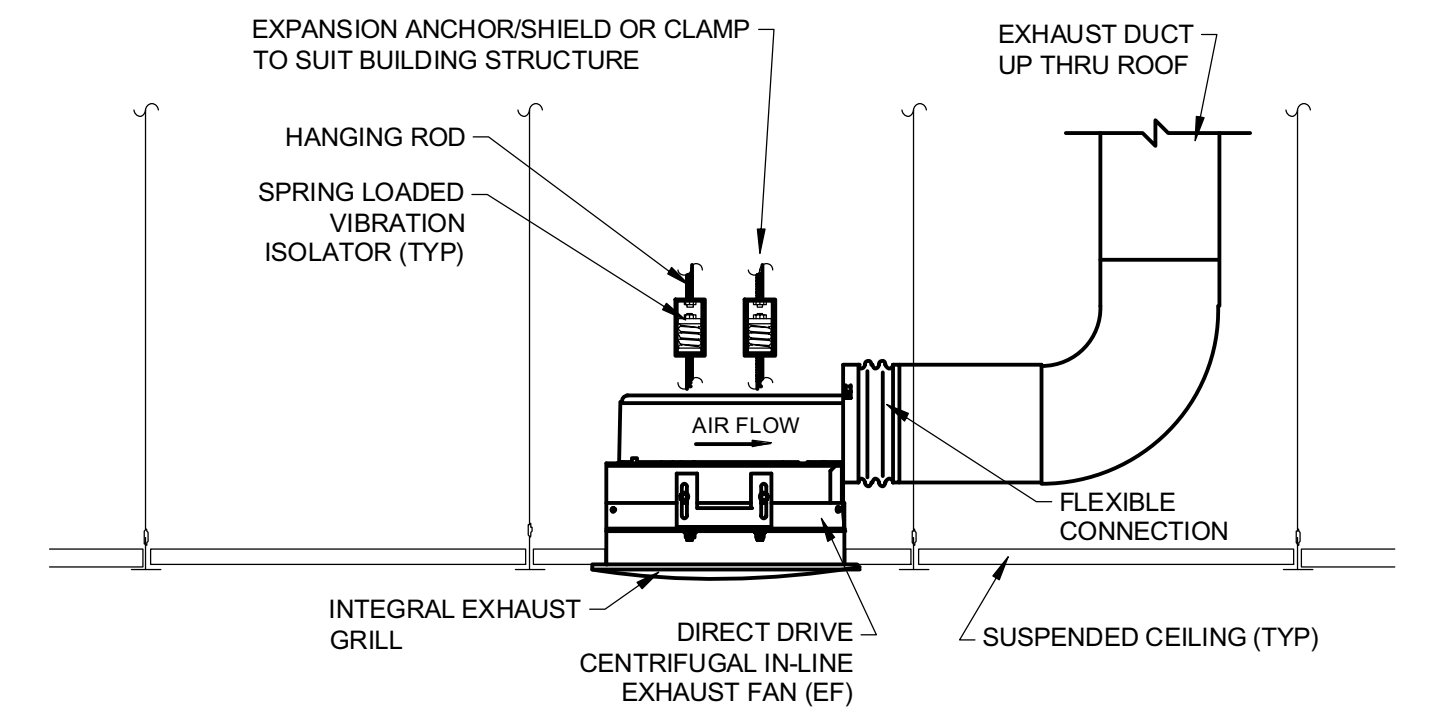
5 DETAIL - MASONRY WALL PIPE PENETRATION  
H501 NO SCALE



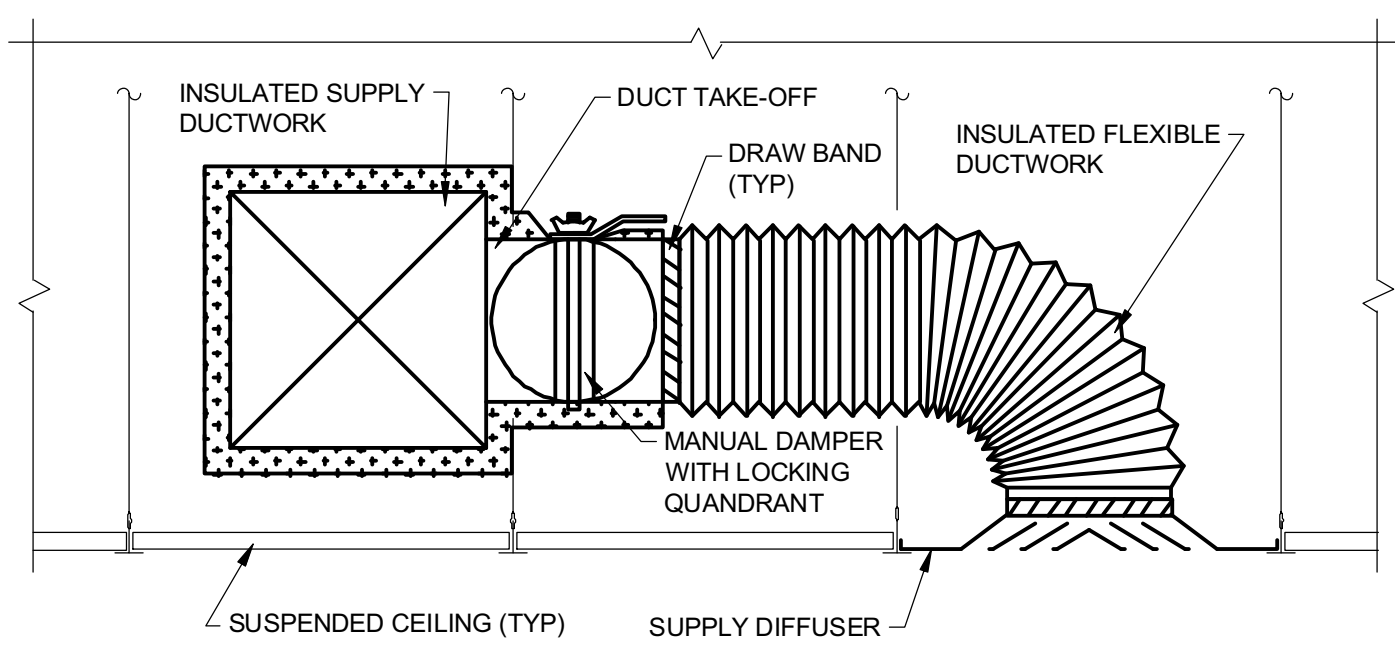
6 DETAIL - UNIT VENTILATOR MOUNTING  
H501 NO SCALE



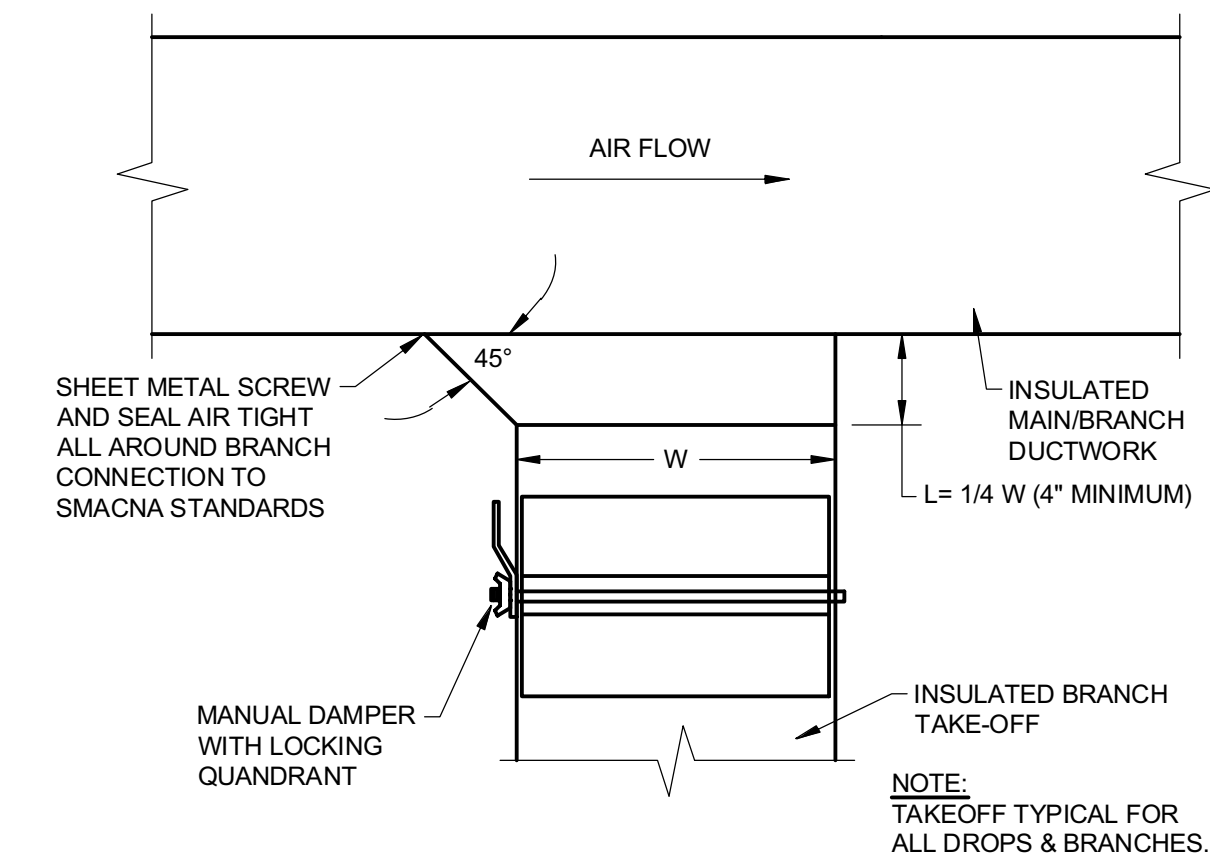
7 DETAIL - ROOF CURB  
H501 NO SCALE



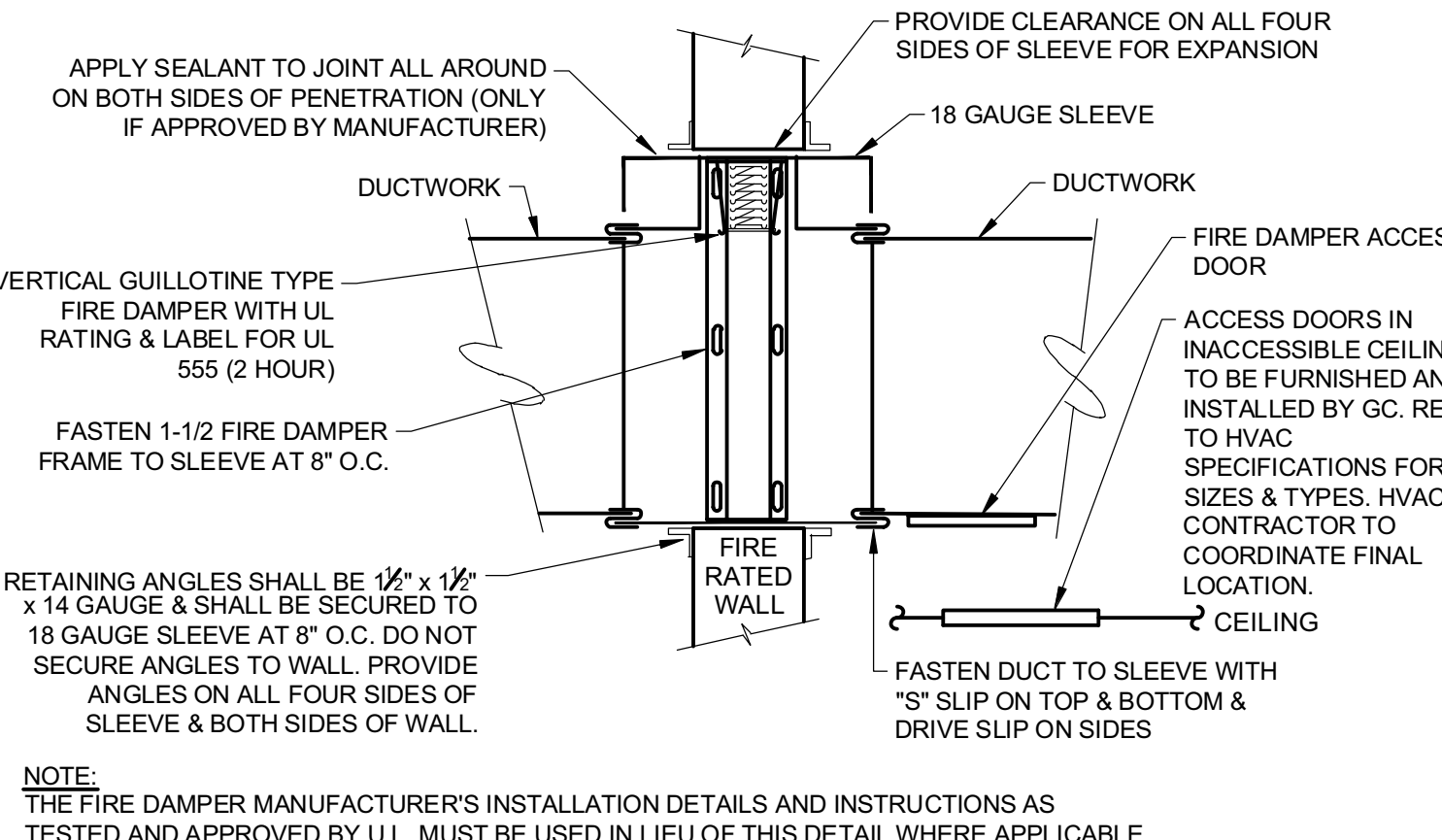
8 DETAIL - CEILING MOUNTED EXHAUST FAN  
H501 NO SCALE



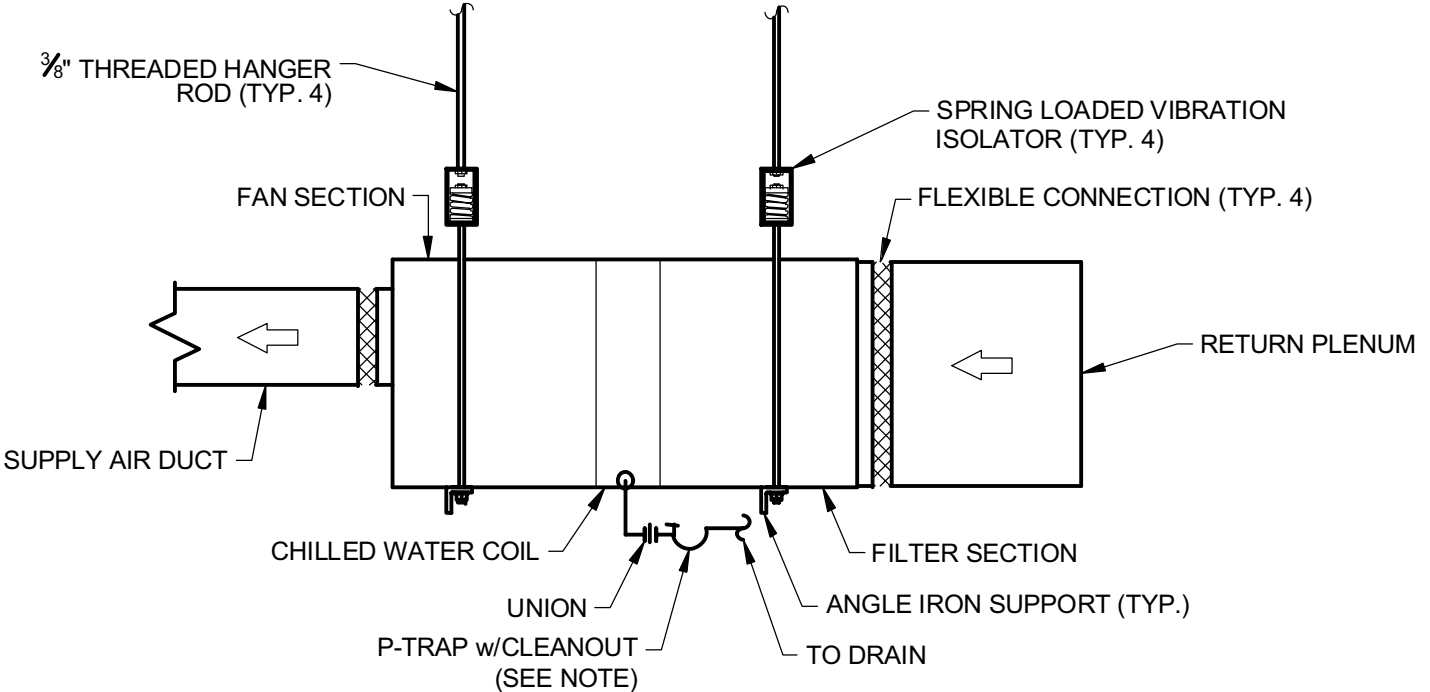
9 DETAIL - FLEXIBLE DUCT CONNECTION TO DIFFUSER  
H501 NO SCALE



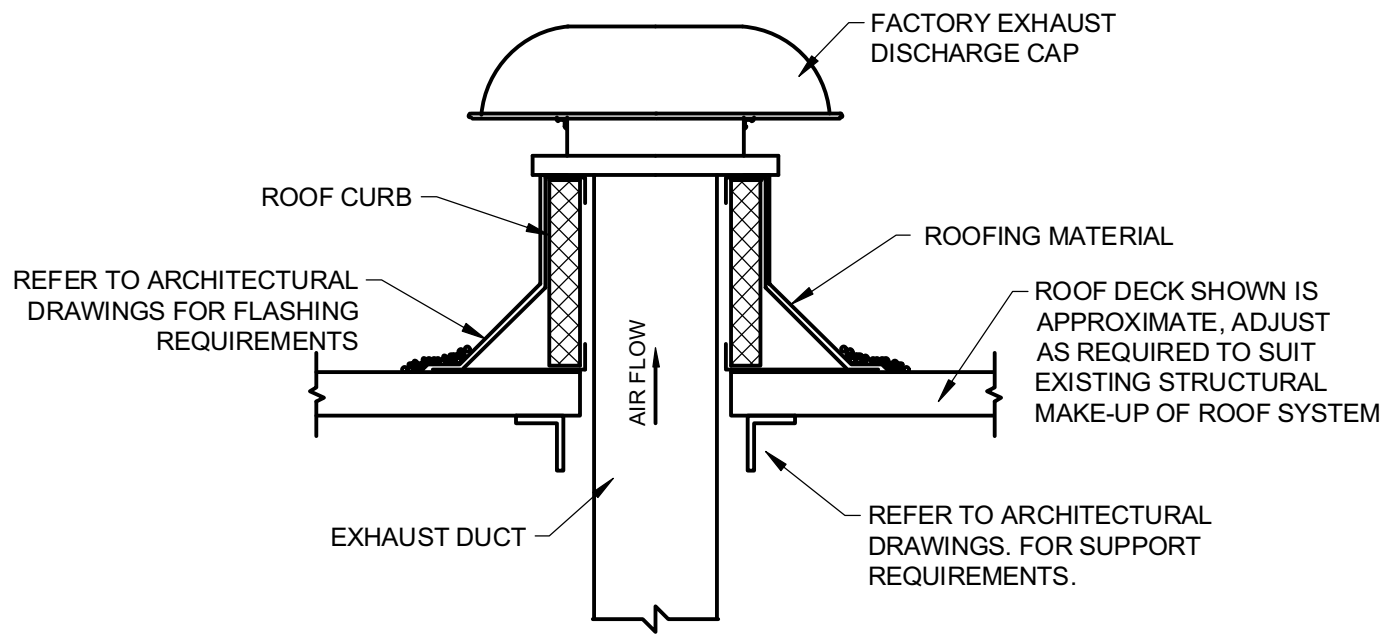
10 DETAIL - TYPICAL RECTANGLE TAKE-OFF  
H501 NO SCALE



11 DETAIL - DYNAMIC VERTICAL FIRE DAMPER  
H501 NO SCALE

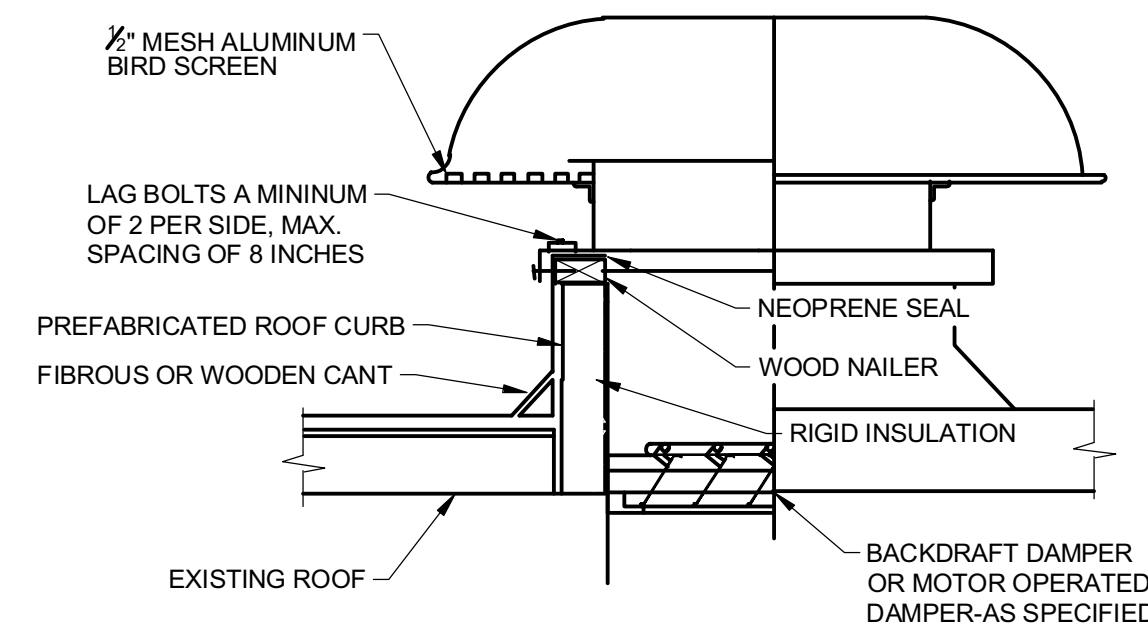


12 DETAIL-TYPICAL AIR HANDLING UNIT MOUNTING  
H501 NO SCALE



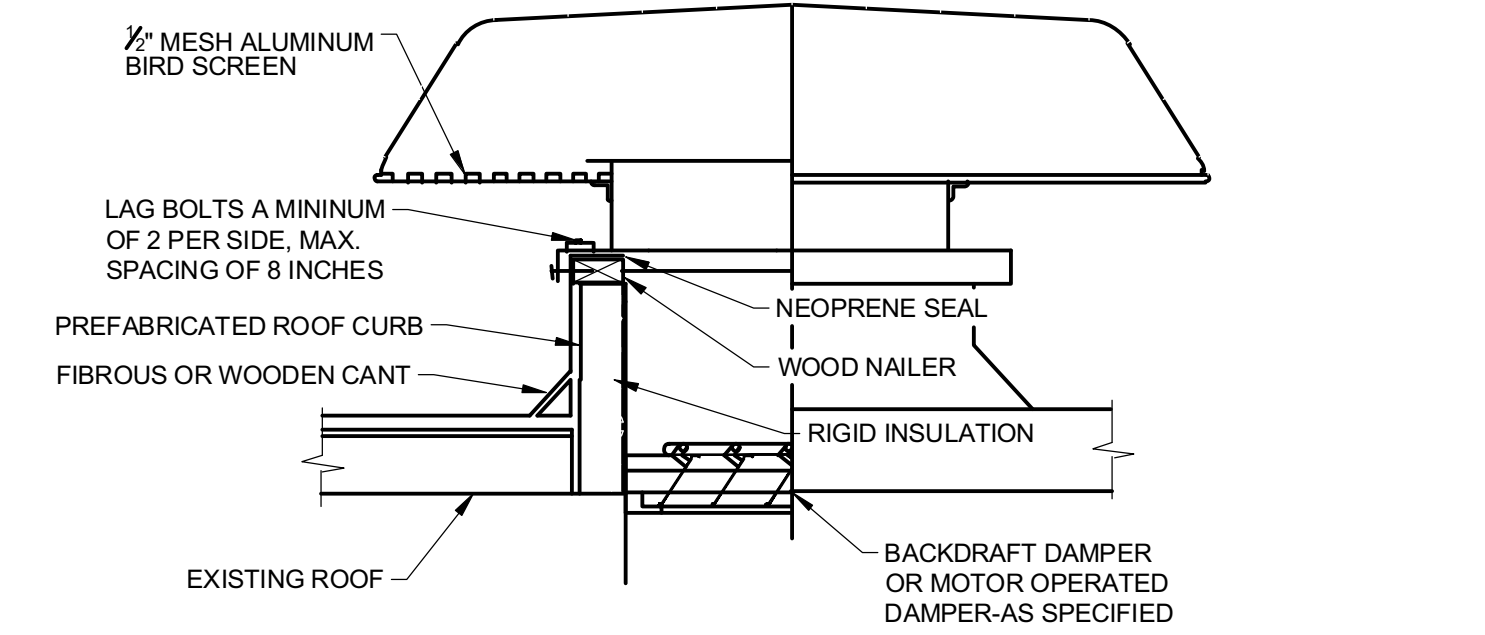
NOTE:  
PROVIDE ROOF CURB, COUNTER FLASHING, AND ALL NECESSARY WOOD BLOCKING FOR INSTALLATION AND COORDINATE WITH BUILDING STRUCTURE. PROVIDE BASE FLASHING AND MAKE FINAL CONNECTIONS INTO ROOF ASSEMBLY FOR A COMPLETE WEATHER TIGHT SEAL.

13 DETAIL - DUCT CURB ASSEMBLY & FLASHING  
H501 NO SCALE



NOTE:  
PROVIDE ROOF CURB, COUNTER FLASHING, AND ALL NECESSARY WOOD BLOCKING FOR INSTALLATION AND COORDINATE WITH BUILDING STRUCTURE. PROVIDE BASE FLASHING AND MAKE FINAL CONNECTIONS INTO ROOF ASSEMBLY FOR A COMPLETE WEATHER TIGHT SEAL.

14 DETAIL - GRAVITY ROOF VENTILATOR  
H501 NO SCALE



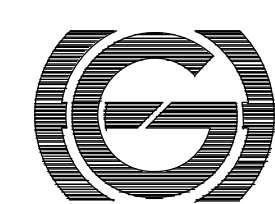
NOTE:  
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15 DETAIL - GRAVITY ROOF VENTILATOR  
H501 NO SCALE

#### REFERENCE DIMENSION

0 1

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BEK  
Scale  
AS NOTED

Drawing Name  
HVAC DETAILS

Revisions  
No. Date Description

Drawing Number

H501

ROOFTOP UNIT SCHEDULE																																											
TAG	AREA SERVED	SUPPLY FAN SECTION				RETURN FAN SECTION				HEATING COIL								COOLING COIL										OUTSIDE AIR		ELECTRICAL CHARACTERISTICS			BASIS OF DESIGN	MODEL	NOTES								
		CFM	RPM	E.S.P. IN. WG.	MOTOR HP	CFM	RPM	E.S.P. IN. WG.	MOTOR HP	AIR TEMP (°F)				MBH	FACE VEL. (FPM)	WATER TEMP (°F)		GPM	PRESS DROP FT. WG.	AIR TEMP (°F)				TOTAL MBH	SENSIBLE MBH	FACE VEL. (FPM)	GLYCOL %	WATER TEMP (°F)		GPM	PRESS. DROP FT. WG.	MIN. CFM				MAX. CFM	VOLTS	PHASE	HZ				
										OUTSIDE AIR	ENTERING AIR	LEAVING AIR				ENT.	LVG.			OUTSIDE AIR	ENTERING AIR	LEAVING AIR						ENT.	LVG.														
RTU-1	E.S. CLASSROOM PK-1	1230	2472	2.98	0.8	1240	2099	1.88	0.5	10	-	48.5	-	83.1	-	48.1	589	180	160	4.9	0.6	93	75	81	68.8	58.6	58.5	39.5	29.1	353	30	45	55	8.3	0.5	415	1240	480	3	60	CARRIER	39MW	(1)(2)(3)
RTU-2	E.S. MUSIC CLASSROOM MC-1	1375	2572	3.04	1	1290	2123	1.66	0.5	10	-	49.8	-	78.9	-	45.7	686	180	160	4.7	0.5	93	75	80.9	68.9	58.6	58.3	46	32.8	399	30	45	55	9.7	2.4	445	1290	480	3	60	CARRIER	39MW	(1)(2)(3)
GENERAL NOTES: 1. PROVIDE FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH AND CONVENIENCE RECEPTACLE OR FIELD INSTALLED FUSED DISCONNECT SWITCH AND CONVENIENCE OUTLET. 2. MANUFACTURER PROVIDED CONTROLS INCLUDING INTEGRATED BACNET CAPABILITY. 3. HYDRONIC CONTROL VALVES AND ALL ASSOCIATED APPURTENANCES TO BE FIELD PROVIDED AND FIELD INSTALLED BY CONTROLS CONTRACTOR.																																											

AIR DEVICE SCHEDULE										
REF. NO.	TYPE	LOCATION	BLOW PATTERN	NECK SIZE	CFM	MAX PD [IN. W.G.]	MAX NECK VELOCITY [FPM]	BASIS OF DESIGN	MODEL	NOTES
A	SUPPLY DIFFUSER	CEILING	4 WAY	SEE PLANS	SEE PLANS	0.08	500	TITUS	TMS	(1)(2)(3)(4)
B	RETURN/EXHAUST REGISTER	WALL/CEILING	-	SEE PLANS	SEE PLANS	0.08	500	TITUS	300RL	(1)(4)
<b>GENERAL NOTES:</b>										
1. FINISH COLOR TO BE APPROVED BY THE ARCHITECT.										
2. PROVIDE OPPOSED BLADE BALANCING DAMPER IN DEVICE, ADJUSTABLE FROM THE FRONT FACE.										
3. ALL DIFFUSERS TO BE 4 WAY BLOW PATTERN UNLESS NOTED OTHERWISE ON PLANS.										
4. PROVIDE FINAL BOARDER/MOUNTING WITH CEILING TYPE.										


EXHAUST FAN SCHEDULE											
REF. NO.	AREA SERVED	CFM	EXTERNAL STATIC PRESSURE (IN. WC.)	DRIVE	MOTOR INFORMATION			TYPE	BASIS OF DESIGN	MODEL	NOTES
					WATTS	V/CP	FAN RPM				
EF-1	E.S. TOILET ROOM PK-2A	50	0.12	DIRECT	21	115/60/1	550	CEILING	LOREN COOK	GC-126	(1)(2)(3)(4)(5)
EF-2	E.S. TOILET ROOM PK-1A	50	0.12	DIRECT	21	115/60/1	550	CEILING	LOREN COOK	GC-126	(1)(2)(3)(4)(5)
EF-3	E.S. TOILET ROOM TR-1A	50	0.12	DIRECT	21	115/60/1	550	CEILING	LOREN COOK	GC-126	(1)(2)(3)(4)(5)
EF-4	E.S. TOILET ROOM TR-1B	50	0.12	DIRECT	21	115/60/1	550	CEILING	LOREN COOK	GC-126	(1)(2)(3)(4)(5)
EF-5	E.S. EXISTING TOILET ROOM	50	0.12	DIRECT	21	115/60/1	550	CEILING	LOREN COOK	GC-126	(1)(2)(3)(4)(5)
EF-6	E.S. EXISTING TOILET ROOM	50	0.12	DIRECT	21	115/60/1	550	CEILING	LOREN COOK	GC-126	(1)(2)(3)(4)(5)
GENERAL NOTES:											
1. COORDINATE ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.											
2. STATIC PRESSURE VALUE INCLUDES LOSS FROM FAN MANUFACTURER'S GRILLE AND BACK DRAFT DAMPER.											
3. PROVIDE MANUFACTURER'S ROOF CURB AND CURB DISCHARGE CAP WITH BRD SCREEN.											
4. PROVIDE MANUFACTURER'S HANGING ISOLATOR KIT WITH SPRING ISOLATORS.											
5. PROVIDE MANUFACTURER'S ALUMINUM BACK DRAFT DAMPER.											

VENTILATION SCHEDULE - ES												
RM NO.	ROOM NAME	SQ. FT.	NO. OF PEOPLE	CFM REQUIRED					CFM FURNISHED			
				CFM/PERSON	CFM/FT^2	EFFECTIVENESS	O/A	EXHAUST	SUPPLY	RETURN	EXHAUST	O/A
PK-1	PRE-K CLASSROOM	947	20	10	0.12	0.8	392	-	880	880	0	392
-	EXISTING OFFICE	168	2	5	0.06	0.8	25	-	150	150	0	30
-	EXISTING TOILET ROOM	42	1	-	-	0.8	-	50	0	35	0	50
-	EXISTING STORAGE	52	0	-	0.12	0.8	-	-	30	30	0	6
PK-1B	STORAGE	55	0	-	0.12	0.8	-	-	30	30	0	6
PK-1A	TOILET ROOM	75	1	-	-	0.8	-	50	35	0	50	7
TR-1A	TOILET ROOM	70	1	-	-	0.8	-	50	35	0	50	7
TR-1B	TOILET ROOM	70	1	-	-	0.8	-	50	35	0	50	7
MC-1	MUSIC CLASSROOM	1,229	25	10	0.06	0.8	405	-	960	960	0	405
-	EXISTING STORAGE	54	0	-	0.12	0.8	-	-	30	30	0	6
-	EXISTING TOILET ROOM	42	1	-	-	0.8	-	50	35	0	50	7
-	EXISTING OFFICE	168	2	5	0.06	0.8	25	-	150	150	0	30
-	CORRIDOR	570	2	-	0.06	0.8	-	-	200	200	0	40
PK-2	PRE-K CLASSROOM	1,056	20	10	0.12	0.8	408	-	1,190	1,190	0	408
PK-2A	TOILET ROOM	70	1	-	-	0.8	-	50	40	0	50	8
PK-2B	STORAGE	88	0	-	0.12	0.8	-	-	30	0	0	6

CONDENSATE PUMP SCHEDULE											
TAG	ASSOCIATED EQUIPMENT	GPH	FT. HEAD	TANK SIZE	MOTOR INFORMATION				BASIS OF DESIGN	MODEL	NOTES
					HP	VOLTS	PHASE	HZ			
CP-1A	AHLU-1A	25	10	1/2 GALLON	1/50	115	1	60	LITTLE GIANT	VCMA-15UL	(1)(2)(3)
CP-1B	AHLU-1B	25	10	1/2 GALLON	1/50	115	1	60	LITTLE GIANT	VCMA-15UL	(1)(2)(3)
CP-1C	AHLU-1C	25	10	1/2 GALLON	1/50	115	1	60	LITTLE GIANT	VCMA-15UL	(1)(2)(3)
GENERAL NOTES:											
1. PROVIDE WITH CORD CONNECTION FOR A HARD WIRED POWER CONNECTION (NON-PLUG).											
2. PROVIDE WALL MOUNTING BRACKET FOR INSTALLATION ABOVE CEILING.											
3. PROVIDE MANUFACTURER'S OVERFLOW SIGNAL RELAY CONNECTION AND CHECK VALVE.											

GRAVITY ROOF VENTILATION SCHEDULE										
TAG	AREA SERVING	MAX. CFM	MAX PRESS. DROP IN WG.	THROAT VELOCITY FPM	ROOF OPENING	HOOD SIZE	INTAKE OR RELIEF	BASIS OF DESIGN	MODEL	NOTES
GRV-1	CORRIDOR	3,320	0.042	455.4	36.5	56.25	RELIEF	GREENHECK	GRSR 36	(1)(2)
GRV-2	PRE-K CLASSROOM PK-P1	940	0.025	470	12x24	28x39	INTAKE	GREENHECK	FGI	(1)(2)(3)
GRV-3	PRE-K CLASSROOM PK-P2	1,100	0.017	440	12x30	27x51	INTAKE	GREENHECK	FGI	(1)(2)(3)
GRV-4	PRE-K CLASSROOM PK-P3	1,280	0.026	427	12x36	31x51	INTAKE	GREENHECK	FGI	(1)(2)(3)
<b>GENERAL NOTES:</b>										
1. PROVIDE MANUFACTURER'S ROOF CURB AND BRD SCREEN.										
2. MANUFACTURER PROVIDED GRAVITY DAMPER SHIPPED LOOSE FOR FIELD INSTALLATION. GRAVITY DAMPER TO BE INSTALLED IN MANUFACTURER PROVIDED DAMPER TRAY LOCATED IN ROOF CURB.										
3. MANUFACTURER PROVIDED ALUMINUM MESH FILTER.										

VENTILATION SCHEDULE - ES												
RM NO.	ROOM NAME	SQ. FT.	NO. OF PEOPLE		CFM REQUIRED				CFM FURNISHED			
			CFM/PERSON	CFM/FT <sup>2</sup>	EFFECTIVENESS	O/A	EXHAUST	SUPPLY	RETURN	EXHAUST	O/A	
PK-1	PRE-K CLASSROOM	930	20	10	0.12	0.8	390	-	870	870	0	390
PK-P1A	TOILET ROOM	70	1	-	-	0.8	-	50	40	0	75	0
PK-P1B	STORAGE	65	0	5	0.06	0.8	5	-	30	30	0	5
PK-P2	PRE-K CLASSROOM	1,065	20	10	0.12	0.8	410	-	885	885	0	410
PK-P2A	TOILET ROOM	70	1	-	-	0.8	-	50	40	0	75	0
PK-P3	PRE-K CLASSROOM	930	20	10	0.12	0.8	390	-	1,140	1,140	0	390
PK-P3A	TOILET ROOM	70	1	-	-	0.8	-	50	40	0	75	0
PK-P3B	OFFICE	130	2	5	0.06	0.8	22	-	100	100	-	22

0  1

INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.



ENGINEER	DATE
MICHAEL S. GILLAN, PE	NO. 24GE04470000

**GFVHD** architects  
planners  
Fraytak Veisz Hopkins Duthie PC

FVHDP.C.COM

Pennsylvania: 140 Whitaker Ave - Mont Clare - Pennsylvania 19453

## Renovations for Five (5) Pre-K Classrooms at Clayton J. Davenport School

Egg Harbor Township  
School District

2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

5481

Project Date

11.01.2024

Checked By \_\_\_\_\_

KLH

Drawn By \_\_\_\_\_

BEK

Scale  
1 2 3 4 5

AS NOTED

### Drawing Name

HVAC

## SCHEDU

**Profilo**

No.	Date
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Drawing Number

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H

11

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## ELECTRICAL SYMBOL LEGEND:

---	EQUIPMENT SHOWN WITHIN THE BUILDING WITH DASHED LINES ON REMOVAL AND NEW WORK DRAWINGS IS EQUIPMENT EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
---	EQUIPMENT SHOWN WITHIN THE BUILDING WITH SOLID LINES ON NEW WORK DRAWINGS IS NEW OR RELOCATED EQUIPMENT UNLESS NOTED OTHERWISE.
---	EQUIPMENT SHOWN WITHIN THE BUILDING WITH SOLID LINES ON REMOVAL WORK DRAWINGS IS EQUIPMENT TO BE REMOVED UNLESS NOTED OTHERWISE.
///	EQUIPMENT SHOWN WITHIN THE BUILDING WITH HASHED & DASHED LINES IS EQUIPMENT EXISTING TO DISCONNECT & REMOVE
	EQUIPMENT SHOWN WITH SOLID LINES INDICATES NEW OR REMOVAL. REFER TO PLANS AND ADDITIONAL INFORMATION ON THE SYMBOL LEGEND.
	DESIGNATES UNOBSTRUCTED WORK SPACE PER NEC
	NEW ELECTRICAL POWER PANELBOARD
	EXISTING ELECTRICAL POWER PANELBOARD
	JUNCTION BOX
	MOTOR
	MOTOR NON-FUSED DISCONNECT SWITCH, 30 AMP, 3-POLE UNLESS NOTED OTHERWISE. WP = PROVIDE WEATHERPROOF SWITCH IN EXTERIOR LOCATIONS. PROVIDE LABEL INDICATING SOURCE PANEL.
	FUSED DISCONNECT SWITCH, AMPACITY AND FUSES AS NOTED, MINIMUM 30 AMP 3-POLE. WP = PROVIDE WEATHERPROOF SWITCH IN EXTERIOR LOCATIONS. PROVIDE LABEL INDICATING SOURCE PANEL.
	COMBINATION STARTER AND DISCONNECT, MINIMUM 30 AMP 3-POLE. WP = PROVIDE WEATHERPROOF SWITCH IN EXTERIOR LOCATIONS
	MOTOR STARTER FURNISHED BY THE MECHANICAL CONTRACTOR AND INSTALLED BY THE ELECTRICAL CONTRACTOR
SYP	WEATHER PROOF 20 AMP SNAP DISCONNECT SWITCH
SM	MOTOR RATED 20 AMP SNAP DISCONNECT SWITCH WITH HEATER SIZED AS PER THE NEC

## RECEPTACLES

	GFI TYPE DUPLEX CONVENIENCE OUTLET WITH COVERPLATE, MOUNT 18" AFF U.N.O.
	DUPLEX CONVENIENCE OUTLET WITH COVERPLATE, MOUNT 18" AFF U.N.O. WP = WEATHERPROOF WITH WET AREA RATED COVER
	DUPLEX CONVENIENCE OUTLET WITH COVERPLATE, 20 AMP RATED, SPLIT POWERED WITH ONE OUTLET CONTINUOUSLY POWERED AND ONE OUTLET CONTROLLED FROM A PLUG LOAD CONTROLLER AND OCCUPANCY SENSOR AS SHOWN ON DETAILS 1E-801, 2E-801, 4E-801, 8E802, & 9E802. LABELED AS REQUIRED IN THE 2014-NEC 406.3(E). MOUNT THE RECEPTACLE 18" AFF UNLESS NOTED OTHERWISE. "*" INDICATES RECEPTACLE TO BE MOUNTED 4" ABOVE COUNTERTOP
	DUPLEX RECEPTACLE MOUNTED 6" ABOVE FINISHED FLOOR, WITH COVERPLATE, ADJACENT TO A TELEVISION SCREEN. COORDINATE THE EXACT LOCATION WITH THE INSTITUTION PRIOR TO ROUGH-IN.
	QUADRUPLX CONVENIENCE OUTLET, MOUNT 18" AFF, U.N.O. C=RECEPTACLE PROVIDED WITH CASEWORK BY 1 CONTRACTOR
	CLOCK AND PUBLIC ADDRESS SYSTEM SPEAKER SURFACE MOUNT ON WALL.
	MEDIA SPEAKER SURFACE MOUNT ON WALL.
	SPEAKER SURFACE MOUNT ON CEILING
	CLOCK SURFACE MOUNT ON WALL.
	WALL MOUNTED CALL BUTTON.
	SINGLE GANG TELEPHONE/ DATA OUTLET
	DOUBLE GANG TELEPHONE/ DATA OUTLET. USB / USB C/ HDMI/ RJ45 COMBINATION DATA OUTLET. SEE DETAILS ON DRAWING E602.
	AUDIO VISUAL OUTLET.
	CEILING DATA OUTLET
	FIRE ALARM INDICATING HORN WITH ADA COMPLIANT STROBE LIGHT PROVIDED WITH MINIMUM INDICATED CANDELA LEVEL. WHERE NOT INDICATED AS A CEILING MOUNTED DEVICE WALL MOUNT 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. C = MOUNTED FLUSH IN DROPPED CEILING WHERE INDICATED. WP = EXTERIOR WEATHERPROOF DEVICE WHERE INDICATED
	FIRE ALARM ADA COMPLIANT STROBE LIGHT WITH MINIMUM INDICATED CANDELA LEVEL. WHERE NOT INDICATED AS A CEILING MOUNTED DEVICE, WALL MOUNT 80" AFF OR 6" BELOW CEILING, WHICHEVER IS LOWER. C = MOUNTED FLUSH IN DROPPED CEILING WHERE INDICATED
	FIRE ALARM MANUAL PULL STATION, MOUNT 44" AFF TO OPERABLE HANDLE
	FIRE ALARM DUCT DETECTOR
	FIRE ALARM CONTROL PANEL
	CARBON MONOXIDE DETECTOR
	SHUTOFF PUSHBUTTON (MUSHROOM SWITCH)
	ADDRESSABLE SMOKE DETECTOR.
	ADDRESSABLE HEAT DETECTOR.
	VIDEO SURVEILLANCE SYSTEM CAMERA TYPES TO MATCH EXISTING. MOUNTING HARDWARE AND ACCESSORIES AS REQUIRED. I

## FIRE ALARM SYSTEM

NOTIFIER  
SERVICE: FIRE AND SECURITY TECHNOLOGIES, JACOB DAVIS. TEL # 908-82-4367  
MONITORING CENTER # 800.434.4000

## PA & CLOCK SYSTEM

"OSI" OPEN SYSTEMS INTEGRATORS, INC.  
PH: 732-7922112 x 1118. REP: ROBERT SHERIDAN, ROB@OSICORP.NET, 201-600-1161.  
PAGING ZONES BY SCHOOL IT DEPARTMENT.

## TAMPER RESISTANT OUTLETS NOTE

PER NEC 406(12) ALL 15- AND 20-AMPERE, 125- AND 250-VOLT NON-LOCKING-TYPE RECEPTACLES IN THE AREAS SPECIFIED IN 406.12 EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TO BE TAMPER RESISTANT:

(1) RECEPTACLES LOCATED MORE THAN 1.7 M (5 1/2 FT) ABOVE THE FLOOR

(2) RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE

(3) A SINGLE RECEPTACLE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES LOCATED WITHIN THE DEDICATED SPACE FOR EACH APPLIANCE THAT, IN NORMAL USE, IS NOT EASILY MOVED FROM ONE PLACE TO ANOTHER AND THAT IS CORD-AND-PLUG-CONNECTED IN ACCORDANCE WITH 400.10(A)(6), (A)(7), OR (A)(8)

	OCCUPANCY SENSOR.
	NEW LIGHTING FIXTURE
	EXISTING LIGHTING FIXTURE TO REMAIN
	LIGHTING FIXTURE TO BE REMOVED
	EXIT SIGN
	REMOTE HEADS
	ELECTRICAL BRANCH CIRCUIT - 2#12+1#12G IN 3/4" U.N.O.
	SEE CONTINUATION OF BRANCH CIRCUIT - 2#12+1#12G IN 3/4" U.N.O.
	LIGHTING CONTROL CIRCUIT - CAT5. REFER TO 3/E402
	NEW WORK NOTE DESIGNATION
	REMOVAL WORK NOTE DESIGNATION
	EQUIPMENT ABBREVIATION
	TAG NUMBER
	LIGHTING SWITCH.
	LIGHTINGS SWITCH WITH LINE VOLTAGE OCCUPANCY SENSOR
	CORRIDOR DIGITAL LIGHTING CONTROL OCCUPANCY SENSOR CEILING ULTRASONIC TYPE WITH 45 LINEAR FEET OF COVERAGE IN EACH OF TWO DIRECTIONS (90 LINEAR FEET TOTAL CORRIDOR COVERAGE). INCLUDE PROVISIONS TO SET SENSOR FOR 20 MINUTE TIME DELAY OFF. DEVICE COORDINATED TO BE COMPATIBLE WITH THE DIGITAL LIGHTING CONTROL EQUIPMENT SHOWN ON DETAIL 2/E601. SEE SPECIFICATION 260923 FOR REQUIREMENTS.
	CEILING MOUNTED DIGITAL LOW DUAL TECHNOLOGY (ULTRASONIC AND PASSIVE INFRARED) OCCUPANCY SENSOR COORDINATED TO BE COMPATIBLE WITH THE DIGITAL LIGHTING CONTROL EQUIPMENT SHOWN ON THE LIGHTING CONTROL DETAIL 3/E401. SEE SPECIFICATION 260923 FOR REQUIREMENTS.
	CEILING MOUNTED DIGITAL PHOTO SENSOR. COORDINATED TO BE COMPATIBLE WITH THE DIGITAL LIGHTING CONTROL EQUIPMENT SHOWN ON THE LIGHTING CONTROL DETAIL 3/E401. SEE SPECIFICATION 260923 FOR REQUIREMENTS.
	SINGLE RELAY DIGITAL LIGHTING CONTROL "ROOM CONTROLLER" DEVICE COORDINATED TO BE COMPATIBLE WITH THE DIGITAL LIGHTING CONTROL EQUIPMENT SHOWN ON THE LIGHTING CONTROL DETAIL 3/E401. SEE SPECIFICATION 260923 FOR REQUIREMENTS.
	SPLIT RECEPTACLE PLUG LOAD CONTROLLER DEVICE COORDINATED TO BE COMPATIBLE WITH THE DIGITAL LIGHTING CONTROL EQUIPMENT SHOWN ON THE LIGHTING CONTROL DETAIL 3/E401. SEE SPECIFICATION 260923 FOR REQUIREMENTS.

## ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	INTERRUPTING RATING OF EQUIPMENT
ATC	AUTOMATIC TEMPERATURE CONTROL
C	CONDUIT
CP	CONTROL PANEL
CUH	CABINET UNIT HEATER
(E)	EXISTING TO REMAIN
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
G	GROUNDING CONDUCTOR
GWH	GAS WATER HEATER
HC	HVAC CONTRACTOR
HD	HAND DRYER
MOD	MOTOR OPERATED DAMPER
(N)	NEW ELEMENT
NEC	NATIONAL ELECTRICAL CODE
NG	NATURAL GAS
P	PUMP
PH	PHASE
PV	PHOTOVOLTAIC
(R)	TO BE REMOVED
TBD	TO BE DETERMINED
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UV	UNIT VENTILATOR
V	VOLTAGE
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
WH	WATER HEATER

## GENERAL ELECTRICAL NOTES

(GENERAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS)

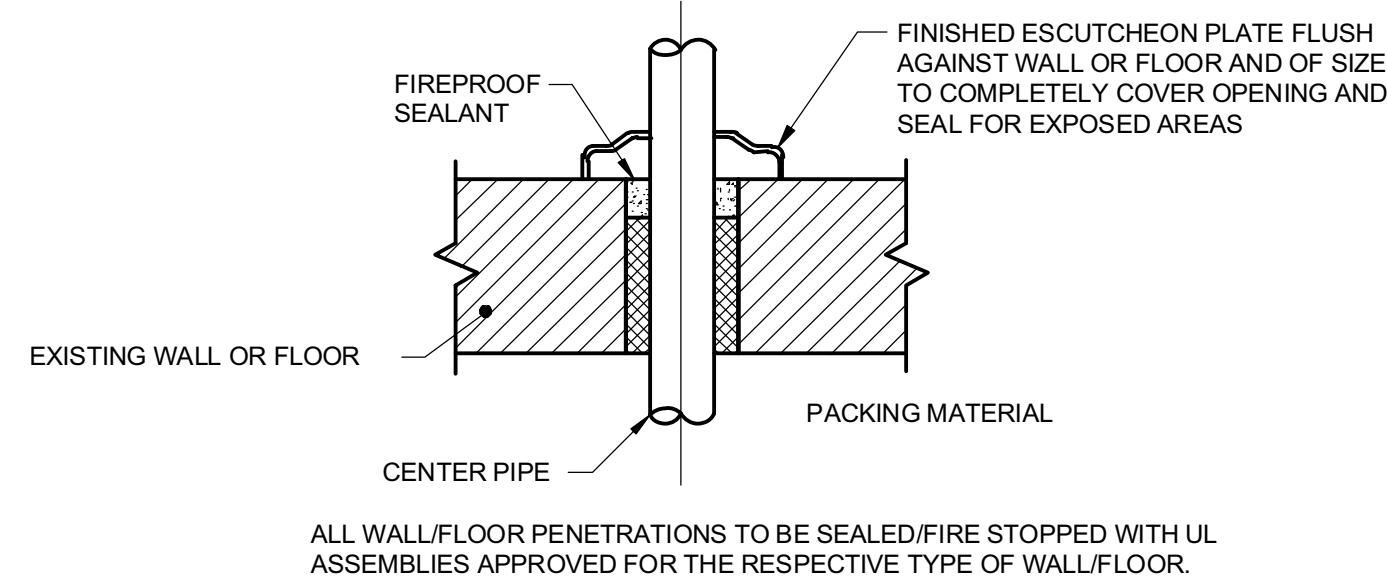
- COORDINATE THE LOCATIONS OF EQUIPMENT AND ROUTING OF ELECTRICAL WIRING WITH THE TRADE DRAWINGS AND INSTALLING CONTRACTOR FOR THE MECHANICAL AND PLUMBING EQUIPMENT PRIOR TO INSTALLATION.
- PROVIDE MINIMUM 2#10AWG+1#12AWG WIRING FOR ALL 20A BRANCH CIRCUITS LONGER THAN 100 FEET. PRICE FOR 10 ADDITIONAL 20A, 120V BRANCH CIRCUITS EACH 100 FEET LONG.
- ALL EQUIPMENT IDENTIFICATION LABELS AND ALL FINAL ELECTRICAL PANEL SCHEDULES (FOR NEW AND EXISTING PANELS USED ON THIS PROJECT) ARE TO BE UPDATED AND CONFORM TO THE OWNERS ROOM NUMBERS AND ROOM NAMES. COORDINATE WITH THE OWNER AND ARCHITECT TO CONFIRM ACTUAL ROOM NUMBERS AND NAMES PRIOR TO THE START OF WORK.
- ALL WORK MUST COMPLY WITH THE NATIONAL ELECTRICAL CODE 2020 EDITION.
- WHERE REQUIRED, REMOVE AND REPLACE EXISTING CEILING TILES AND CEILING MOUNTED EQUIPMENT AS REQUIRED FOR ALL ELECTRICAL WORK.
- PERFORM ALL CUTTING, PATCHING, AND PAINTING NECESSARY TO PERFORM WORK. MATCH EXISTING MATERIALS, FINISHES, FIRE RATINGS, PAINT COLORS, ETC. IN ALL AREAS OF PATCHING.
- FOR ALL EXISTING PANELBOARDS USED ON THIS PROJECT PROVIDE A NEW TYPED PANELBOARD SCHEDULE THAT INCLUDES THE SAME INFORMATION FOR CIRCUITS NOT CHANGED ON THIS PROJECT AND THE NEW HVAC TAG NUMBERS AND APPLICABLE ROOM NUMBERS.
- PROVIDE PIPE SLEEVES FOR INSTALLATION OF RACEWAYS AND CABLES THROUGH FIRE RATED WALLS AND CEILING SLABS. ALL CORRIDOR WALL AND CEILING SLABS SHALL BE ASSUMED TO BE 1-1/2 HOUR. FOR ALL PENETRATIONS PROVIDE FIRE STOPPING USING A UL APPROVED ASSEMBLY FOR THE RESPECTIVE WALL OR SLAB CONSTRUCTION. REFER TO THE ARCHITECTURAL DOCUMENTS FOR WALL FIRE RATINGS.
- PROVIDE FIRE PROOFING AT WALL PENETRATIONS.
- ELECTRICAL CONDUITS AND DEVICE LAYOUTS ARE SCHEMATIC IN NATURE. PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS AND ALL TRADE WORK BY OTHERS.
- ALL WORK SHALL COMPLY WITH THE STANDARDS OF THE AMERICAN INSURANCE ASSOCIATION, XL GLOBAL, FM GLOBAL, OR THE APPLICABLE RATING BUREAU, THE NATIONAL ELECTRICAL CODE (NEC), AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), AND ALL OTHER APPLICABLE FEDERAL, STATE, AND LOCAL BUILDING CODES AND THE REQUIREMENTS OF THE PUBLIC UTILITY COMPANIES SERVING THE SITE.
- ENSURE ALL WORK IS IN CONFORMANCE WITH ALL APPLICABLE BUILDING CODES. WORK SHALL BE COMPLETED IN STRICT ACCORDANCE WITH THE LATEST EDITIONS OF THE APPLICABLE CONSTRUCTION CODE AND ALL OTHER FEDERAL, STATE, AND LOCAL AGENCY REGULATIONS HAVING JURISDICTION OVER THIS PROJECT. IN THE EVENT OF ANY DISCREPANCIES BETWEEN AGENCY REQUIREMENTS, OBSERVE THE MORE STRINGENT OF REQUIREMENTS.
- FOR ALL HVAC EQUIPMENT BRANCH CIRCUITS INCLUDED IN THE REMOVAL AND NEW WORK PROCESS OF THIS PROJECT, VERIFY THAT THE CIRCUITS ACTUALLY FEED THE DEVICES LISTED ON THE PANEL SCHEDULE PRIOR TO REMOVING EQUIPMENT FROM THOSE BRANCH CIRCUITS.
- UNLESS NOTED OTHERWISE, UTILIZE THE HVAC EQUIPMENT CURBS AND RUBBER BOOTS PROVIDED WITH THE HVAC EQUIPMENT FOR BRANCH CIRCUIT ACCESS TO ALL ROOFTOP HVAC EQUIPMENT AND RECEPTACLES.
- ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE. PROVIDE OFFSETS AND FITTINGS AS REQUIRED TO ACCOMMODATE FIELD CONDITIONS AND ALL TRADE WORK BY OTHERS.
- IDENTIFICATION LABELS FOR ALL SYSTEMS MUST USE THE OWNER'S ROOM NAME AND NUMBER AND NOT THE ROOM NAMES AND NUMBERS ON THE CONTRACT DOCUMENTS. MEET WITH THE OWNER TO REVIEW AND CONFIRM ROOM NAMES AND ROOM NUMBERS PRIOR TO LABELING SYSTEMS.

## GENERAL ELECTRICAL REMOVAL NOTES:

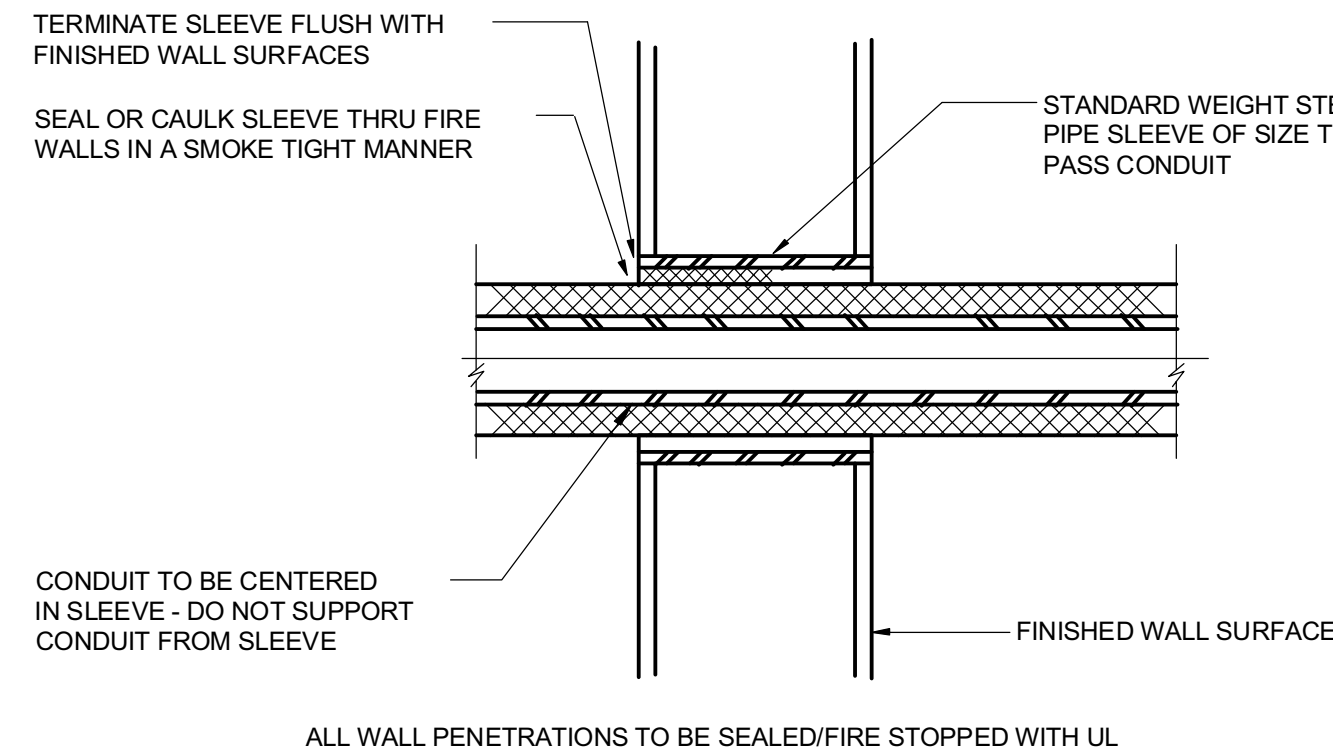
- UNLESS NOTED OTHERWISE, DEVICES ON THE REMOVAL DRAWINGS INDICATES A DEVICE THAT IS REQUIRED TO BE DISCONNECTED AND REMOVED. FOR DEVICES INDICATED TO BE REMOVED AND NOT REINSTALLED, REMOVE ALL ASSOCIATED SAFETY SWITCHES, ELECTRICAL BOXES, RACEWAYS AND WIRING BACK TO THE POWER SOURCE. WHERE AN EXISTING BRANCH CIRCUIT PROVIDES POWER TO MULTIPLE DEVICES INCLUDING SOME REQUIRED TO REMAIN IN PLACE, MAINTAIN BRANCH CIRCUIT POWER TO THE DEVICES THAT ARE REQUIRED TO REMAIN. INTERCEPT AND EXTEND BRANCH CIRCUIT WIRING AS REQUIRED.
- PROVIDE ALL WORK AND COSTS ASSOCIATED WITH THE DISCONNECTION, REMOVAL, RELOCATION, AND DISPOSAL OF THE ELECTRICAL EQUIPMENT THAT IS REQUIRED TO BE DEMOLISHED.
- THE OWNER RETAINS THE FIRST RIGHT TO KEEP ANY REMOVED EQUIPMENT. REVIEW THE DISPOSITION OF ALL EQUIPMENT WITH OWNER PRIOR TO REMOVAL. ALL EQUIPMENT AND OR MATERIAL BEING REMOVED IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE RETAINED, DISPOSED OF, AND REMOVED FROM THE SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL GUIDELINES.
- QUANTITY OF HVAC EQUIPMENT SHOWN ON THE REMOVAL DRAWINGS IS INDICATIVE OF EXISTING QUANTITY AND LOCATION. REFER TO THE HVAC REMOVAL DRAWINGS FOR QUANTITIES AND LOCATIONS OF HVAC EQUIPMENT TO BE DEMOLISHED. VERIFY ACTUAL QUANTITIES OF ASSOCIATED ELECTRICAL EQUIPMENT TO BE REMOVED, SUCH AS DISCONNECT SWITCHES AND MOTOR STARTERS, AND INCLUDE IN BID.
- PERFORM ALL REQUIRED PATCHING AND PAINTING AFTER DEMOLITION AS REQUIRED TO RESTORE SURFACES TO MATCH SURROUNDING SURFACE FINISHES.
- TAG ALL EQUIPMENT AND DEVICES BEING REMOVED AND REINSTALLED WITH THE ROOM NUMBER AND LOCATION FROM WHICH IT IS BEING REMOVED TO ENSURE THAT IT IS REINSTALLED IN THE SAME ROOM AND LOCATION.
- THE OWNER WILL REMOVE AND REINSTALL ALL MOVABLE EQUIPMENT AND FLOOR MOUNTED SHELIVING UNO. REMOVE, STORE AND REINSTALL EXISTING BUILT-IN EQUIPMENT AS REQUIRED TO PERFORM THE WORK. UNLESS NOTED OTHERWISE.
- GENERAL ELECTRICAL REMOVAL NOTES APPLY TO ALL ELECTRICAL REMOVAL DRAWINGS AND DETAILS.
- FOR EXISTING BRANCH CIRCUITS THAT ARE ENTIRELY REMOVED, CLEARLY MARK THE EXISTING PANELBOARD SCHEDULE FOR THAT BRANCH CIRCUIT AS "SPARE."

## GENERAL FIRE ALARM WORK NOTES

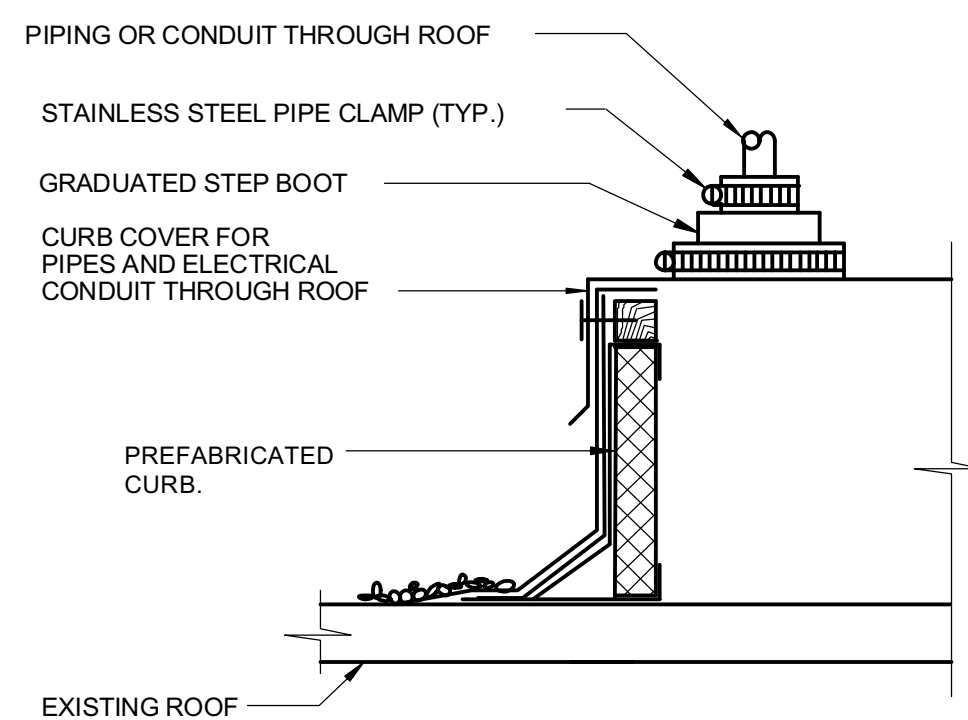
- FOR NEW DEVICES BELOW CEILINGS IN OCCUPIED SPACES THAT ARE REQUIRED TO BE INSTALLED ON EXISTING WALLS, PROVIDE WIRING IN SURFACE MOUNTED WIREMOLD RACEWAYS PAINTED TO MATCH THE WALL, AND PROVIDE FITTED BACKBOXES (FITTED = COLOR AND SIZE MATCHED TO THE DIMENSIONS OF THE FIRE ALARM DEVICE LISTED BY THE FIRE ALARM EQUIPMENT MANUFACTURER TO BE USED WITH THE DEVICE). EXPOSED CONDUIT AND NON-FITTED BACKBOXES ARE NOT ACCEPTABLE. CONCEAL ALL REMAINING WIRING ABOVE ACCESSIBLE CEILINGS. SEE GENERAL FIRE ALARM NOTE 3 FOR EXCEPTIONS.
- IDENTIFICATION LABELS TO BE USED/MADE FOR THE FIRE ALARM SYSTEM ADDRESSES MUST USE THE OWNER'S ROOM NUMBERS AND ROOM NAMES, NOT THE NUMBERS OR NAMES ON THE CONSTRUCTION DOCUMENTS. MEET WITH OWNER TO REVIEW AND CONFIRM ROOM NUMBERS AND NAMES PRIOR TO LABELING SYSTEMS.
- THE EXISTING FIRE ALARM SYSTEM IS NOTIFIER SERVICE: FIRE AND SECURITY TECHNOLOGIES, JACOB DAVIS. TEL # 908-82-4367. ALL NEW FIRE ALARM COMPONENTS PROVIDED AS A PART OF THIS PROJECT SHALL BE FULLY COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM.
- COORDINATE WITH THE FIRE ALARM SYSTEM VENDOR AND PROVIDE ALL REQUIRED WIRING, EQUIPMENT, LABOR, PROGRAMMING, AND MATERIALS TO REMOVE EXISTING FIRE ALARM DEVICES INDICATED TO BE REMOVED AND PROVIDE NEW FIRE ALARM SYSTEM DEVICES AS INDICATED FOR A FULLY FUNCTIONAL SYSTEM.
- PROVIDE TEMPORARY SUPPORT AND PROTECTION OF EXISTING CEILING MOUNTED FIRE ALARM SYSTEM SMOKE AND HEAT DETECTORS AND WIRING DURING CONSTRUCTION.
- THIS PROJECT INCLUDES, BUT IS NOT LIMITED TO REQUIREMENTS FOR THE REMOVAL OF FIRE ALARM DEVICES AS SHOWN ON THE REMOVAL PLAN AND THE INSTALLATION OF NEW FIRE ALARM DEVICES AS SHOWN ON THE SYSTEMS PLAN, INCLUDING DUCT MOUNTED SMOKE DETECTORS.
- SEE SPECIFICATION 283111 FOR ADDITIONAL FIRE ALARM SYSTEM REQUIREMENTS.
- PROVIDE SEPARATE SURFACE MOUNTED WIREMOLD RACEWAY (PAINTED TO MATCH THE WALL FINISH) FOR ALL FIRE ALARM DEVICES EXTENDING FROM THE DEVICES AND UP TO ABOVE THE CEILING.



1  
E001  
NO SCALE  
DETAIL - TYPICAL CONDUIT THRU FIRE RATED WALL/FLOOR

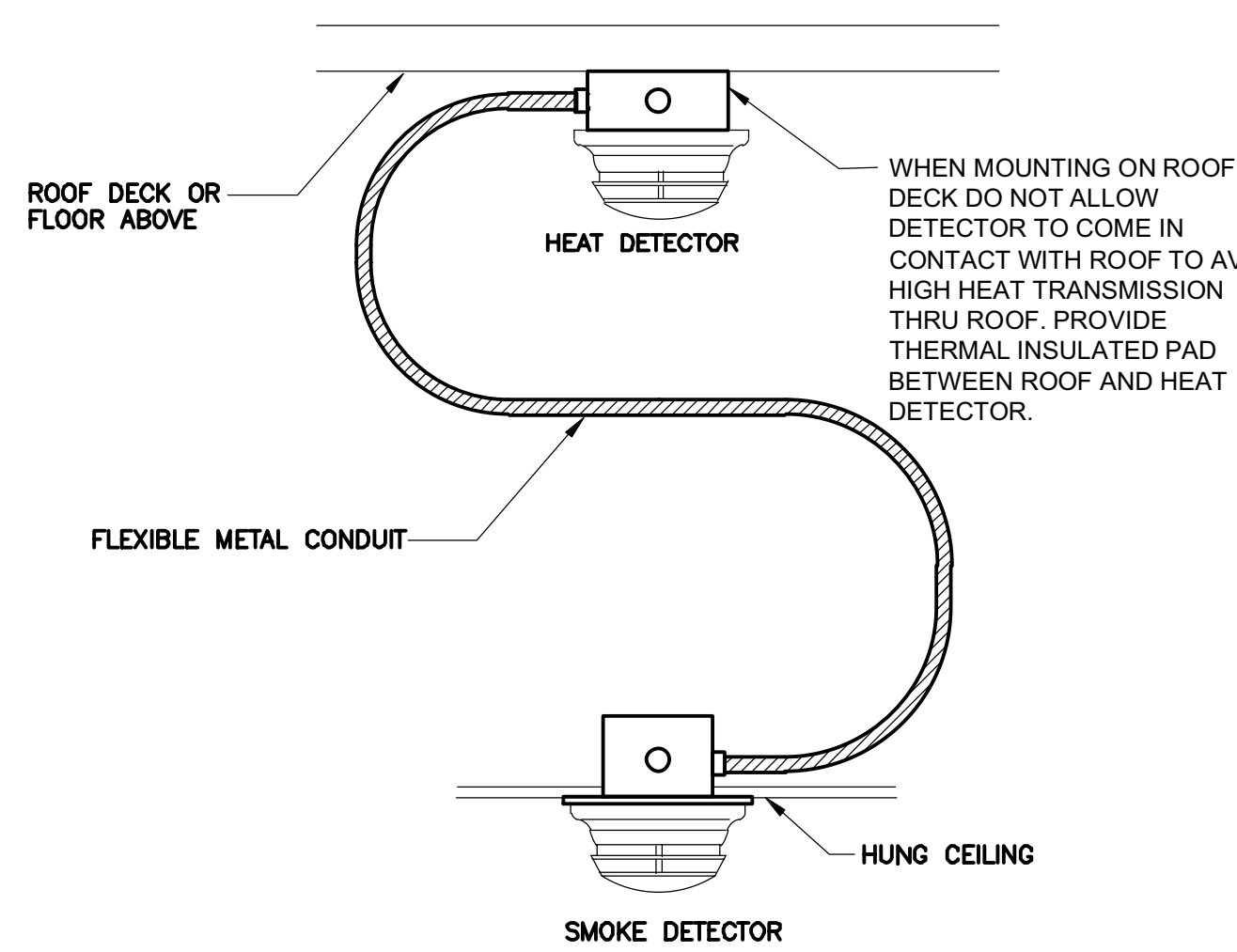


2  
E001  
NO SCALE  
DETAIL - INTERIOR CONDUIT SLEEVES THRU WALL



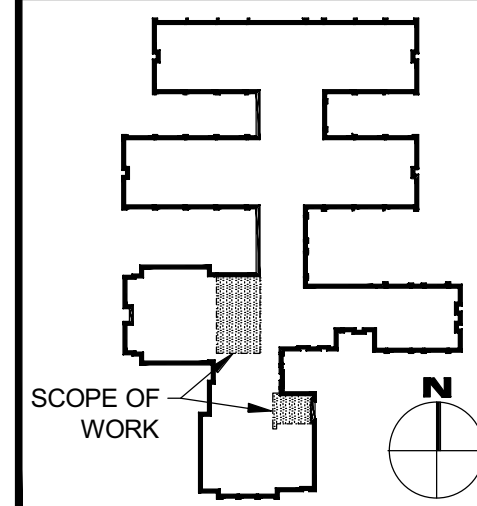
- NOTES:
- FURNISH CURB SUITABLE FOR ROOF SYSTEM. REFER TO ARCHITECTURAL DRAWINGS FOR ROOF SYSTEM AND DETAILS REFER TO ARCHITECTURAL DRAWINGS FOR ROOF DETAILS.
  - FURNISH INSULATED ROOF CURB WITH WOODEN RAILER.
  - PROVIDE COUNTERFLASHING.

3  
E001  
NO SCALE  
DETAIL - ELECTRICAL RACEWAY CURB ASSEMBLY & FLASHING

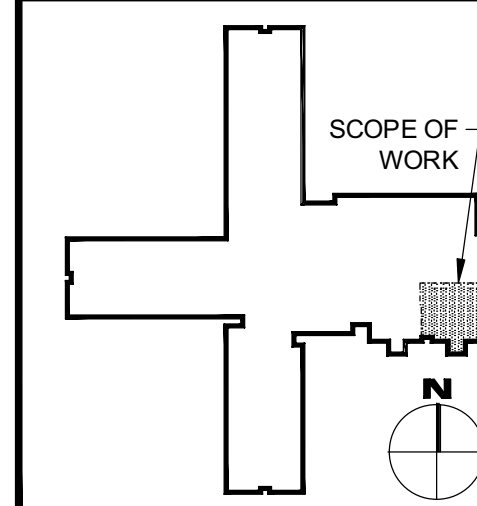


4  
E001  
NO SCALE  
TYPICAL FIRE/SMOKE DETECTOR MOUNTING

## KEY PLAN - ELEMENTARY



## KEY PLAN - PRIMARY



## REFERENCE DIMENSION

0 1  
INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.



ENGINEER  
MICHAEL S. GILLAN, PE  
DATE  
NO. 24GE04470000

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GEORGE K. DUTHIE JR., AIA, PP  
N.Y. 10178-0001 P.A. 1647-2023A  
JASON L. DUBOWITZ, AIA  
N.Y. 10178-0001 P.A. 1647-2023A  
Date  
11/01/2024  
F V H D P C - C O M

**EFVHD** architects  
planners  
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Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
DRH  
Drawn By  
MV  
Scale  
AS NOTED

Drawing Name  
ELECTRICAL  
LEGEND,  
ABBREVIATIONS,  
AND GENERAL  
NOTES

Revisions  
No. Date Description

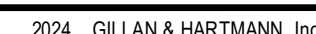
Drawing Number  
E001





- 3 PARTIAL  
E101 E SCALE: 1/4" = 1'-0"

3 PARTIAL  
E101 E SCALE: 1/4" = 1'-0"



DATE  
NO. 24GE04470000

Drawing Number

E101 E

WILLIAM D. HOPKINS III, AIA, LEED AP  
N2-21401795600 | PA-R4012520X

GEORGE R. DUTHE JR., AIA, PP  
N2-21401295620

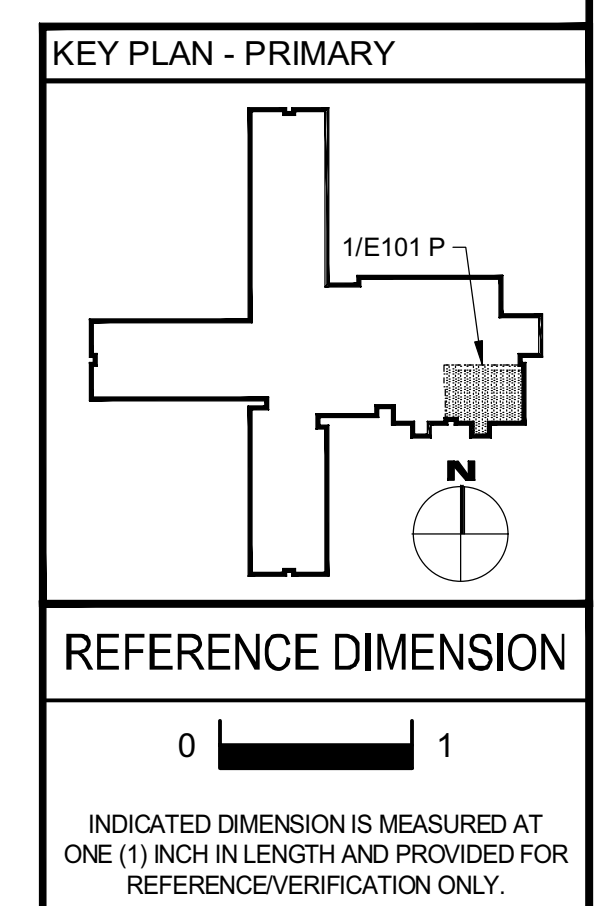
JASON J. DUBOWITZCH, AIA  
N2-21401795600 | PA-R4045009

*William D. Hopkins III, AIA, LEED AP*

Architect Date



1. DISCONNECT AND REMOVE BACK TO THE SOURCE ALL ASSOCIATED POWER AND CONTROL WIRING FROM THE AHU LOCATED ABOVE THE CEILING. MARK CIRCUIT BREAKER AS SPARE.
2. DISCONNECT AND REMOVE BACK TO THE SOURCE ALL ASSOCIATED WIRING FROM THE LIGHTING FIXTURE. REMOVE LIGHTING FIXTURE. TURN SALVAGED ITEMS BACK TO OWNER. MARK ASSOCIATED CIRCUIT BREAKER AS SPARE.
3. DISCONNECT AND REMOVE RECEPTACLE. REMOVE CIRCUIT BACK TO THE SOURCE. MARK ASSOCIATED CIRCUIT BREAKER AS SPARE.
4. DISCONNECT AND REMOVE DATA OUTLET. COIL AND ATTACH TO JOIST EXISTING DATA WIRING.
5. DISCONNECT WIREMOLD DATA AND POWER OUTLETS. DATA WIRING TO BE PRESERVED. ATTACH COILED DATA WIRING TO THE JOIST. COORDINATE WITH LOCAL IT DEPARTMENT. REMOVE WIRE MOLD POWER CIRCUIT BACK TO THE SOURCE. TURN SALVAGED ITEMS BACK TO THE OWNER.
6. DISCONNECT AND REMOVE FIRE ALARM DEVICE. REMOVE FIRE ALARM WIRING BACK TO THE EXISTING TO REMAIN FACP OR EXISTING TO REMAIN POWER EXTENDER. TURN SALVAGE EQUIPMENT BACK TO THE OWNER.
7. DISCONNECT AND REMOVE PA AND CLOCK EQUIPMENT. REMOVE ASSOCIATED WIRING. REMOVE AND SALVAGE BACKBOX. TURN REMOVED EQUIPMENT BACK TO OWNER FOR FUTURE USE.
8. TEMPORARY DISCONNECT AND REMOVE ALL ASSOCIATED POWER AND SECURITY DEVICES WIRING FROM THE WALL BEING RENOVATED AND CEILING BEING TEMPORARY REMOVED. FIRE ALARM DEVICES TO BE PROTECTED AND REMAIN OPERATIONAL.
9. DISCONNECT AND REMOVE SECURITY CAMERA AND ASSOCIATED WIRING. COORDINATE CAMERA REMOVAL WITH IT DEPARTMENT. TURN REMOVED EQUIPMENT BACK TO THE OWNER.
10. EXISTING INLINE EXHAUST FAN IN CEILING SPACE TO REMAIN CONNECTED TO EXISTING CIRCUIT.
11. DISCONNECT AND REMOVE EXISTING MUSHROOM SWITCH AND ASSOCIATED EQUIPMENT. SALVAGE REMOVED EQUIPMENT AND TURN IT BACK TO THE OWNER.
12. SERVER RACK TO BE DISCONNECTED REMOVED AND TURNED BACK TO IT DEPARTMENT. DATA WIRING TO BE DISCONNECTED.
13. REMOVE EXISTING CARD READER AND ASSOCIATED WIRING.



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G&H Project No. 2024-147

11/01/2024  
ISSUE FOR BID

ENGINEER	DATE
MICHAEL S. GILLAN, PE	NO. 24GE04470000

2024 GILLAN &amp; HARTMANN, Inc.

N-21401765000 || PA-R4012520X  
 GEORGE R. DUTHE JR., AIA, PP  
 N-21401297200  
 JASON J. DUBOWITZ, AIA  
 N-21401699800 || PA-R4046009  
*William D. K...*  
 Architect  
 Date 11/01/2024

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planners  
501  
Fraytak Veisz Hopkins Duthie P C  
Corporate: 1515 Lower Ferry Road - Trenton - New Jersey 08618  
Pennsylvania: 140 Whitlaker Ave. - Mont. Clare - Pennsylvania 19453

Subject Name	Renovations for Five b) Pre-K Classrooms at Clayton J. Havenport School
--------------	----------------------------------------------------------------------------------

Project Owner Name  
Big Harbor Township  
School District

Project Location
501 Spruce Ave, Laguna Hills Township, NJ 08234

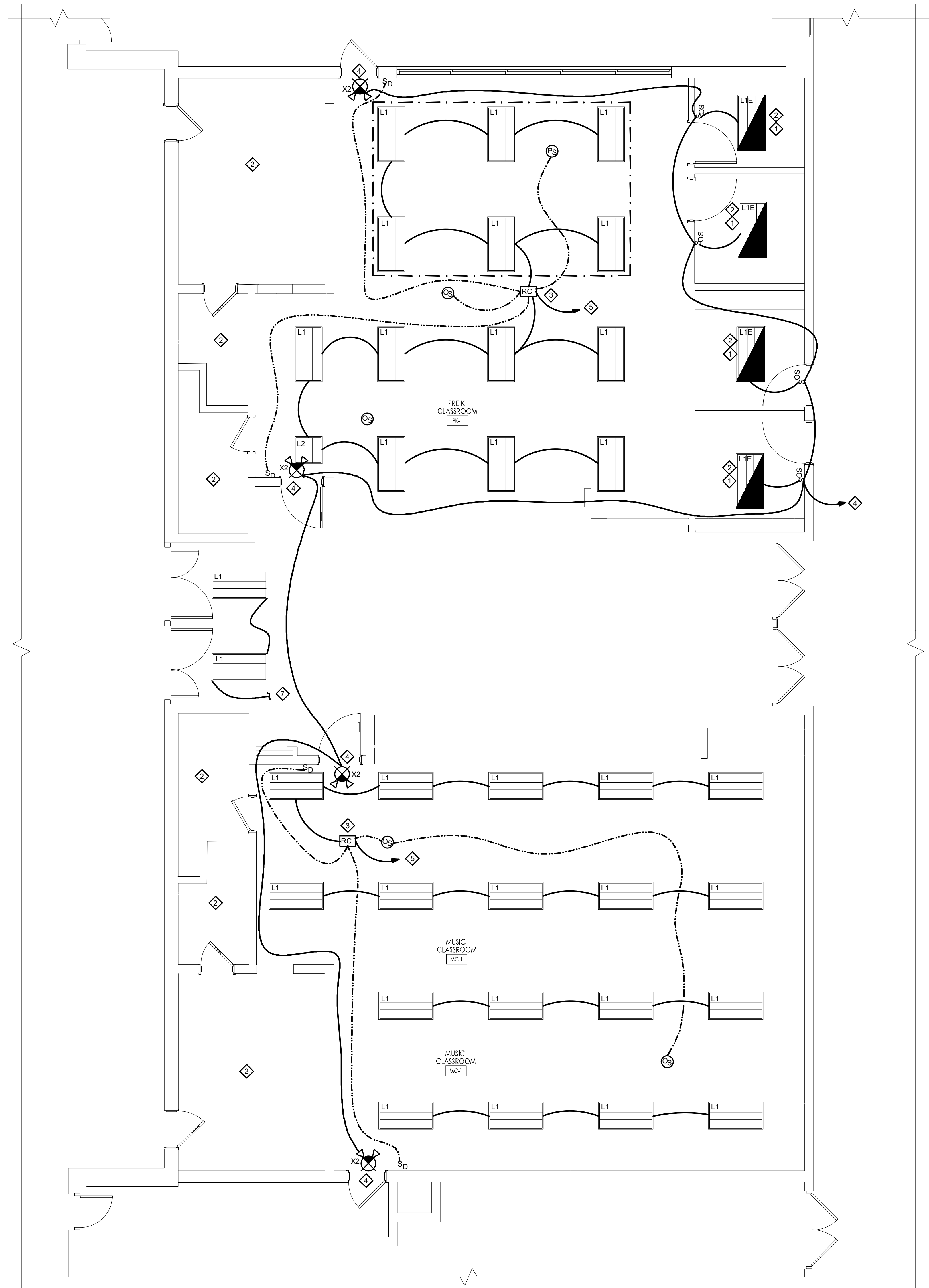
Project Number
481
Project Date
1.01.2024
Checked By
HRH
Drawn By
HRH
Scale
AS NOTED

Primary School Electrical Removals - First Floor Partial Plan

visions	
Date	Description

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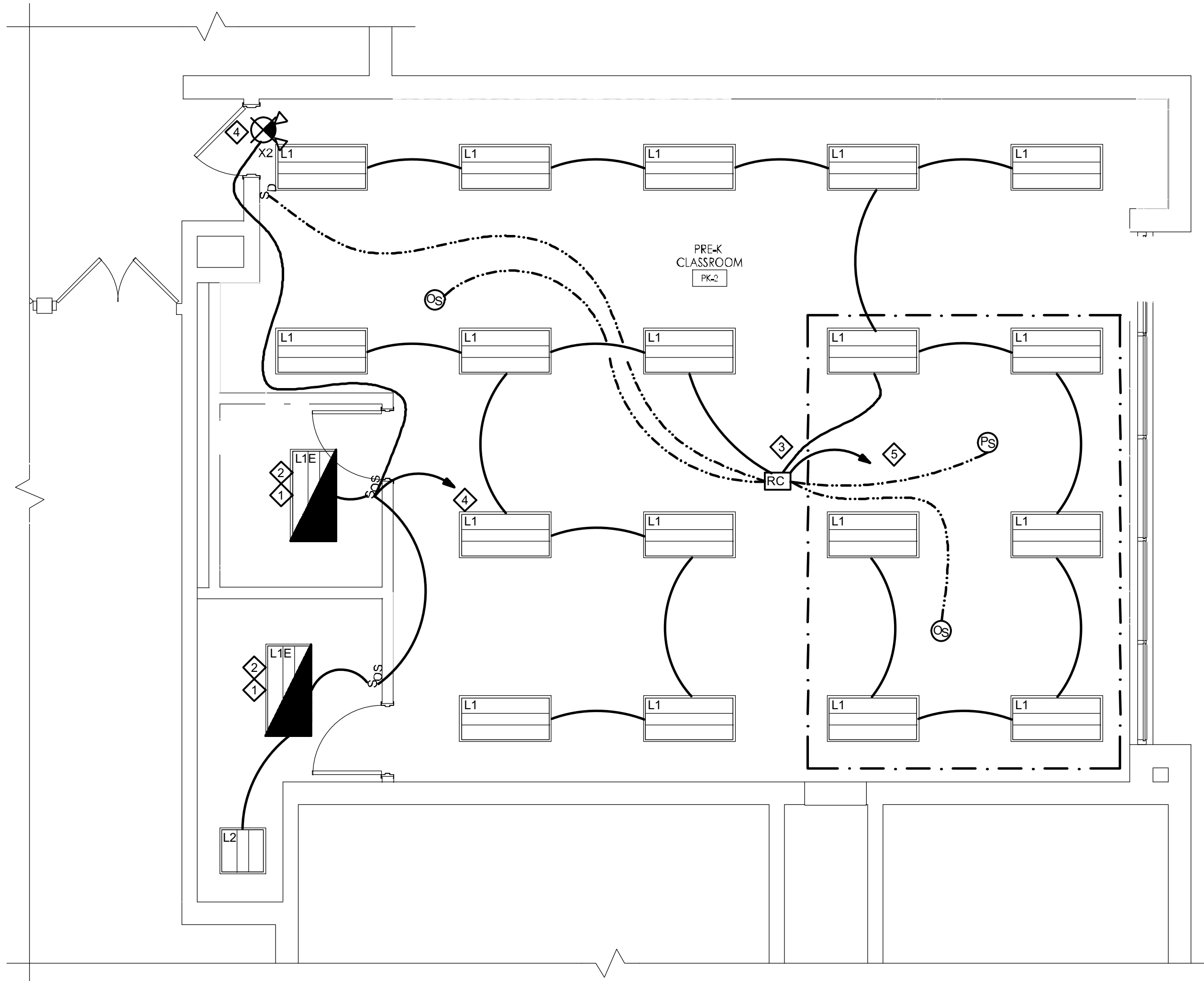
E101 P



DAVENPORT ELEMENTARY SCHOOL  
PARTIAL LIGHTING PLAN - NEW WORK  
1  
E201 E SCALE: 1/4" = 1'-0"

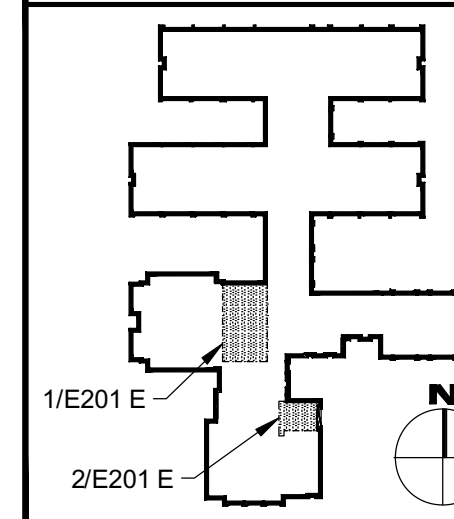
**NEW WORK NOTES:**

- ◇ PROVIDE EMERGENCY BACK-UP LED DRIVER FOR L1E TYPE FIXTURES. THE EMERGENCY BACK-UP LED DRIVER SHALL BE UL LISTED AND IT SHALL PROVIDE AT LEAST 90 MIN OPERATION IN EMERGENCY MODE. BASIS OF DESIGN: BSL07 BODINE OR EQUAL.
- ◇ EMERGENCY DRIVER TO BE CONNECTED TO THE UNSWITCHED LIGHTING CIRCUIT.
- ◇ PLUG LOAD CONTROLLER IS SHOWN ON DRAWING E202E. REFER TO DETAIL 3 ON DRAWING E401 FOR LIGHTING CONTROLS CONNECTION INSTRUCTIONS.
- ◇ TO EXISTING EMERGENCY LIGHTING CIRCUIT.
- ◇ TO EXISTING NORMAL LIGHTING CIRCUIT.
- ◇ LIGHTING FIXTURES AND LIGHTING CONTROLS IN THIS AREA ARE EXISTING TO REMAIN.
- ◇ CONNECT NEW LIGHTING FIXTURES TO EXISTING LIGHTING CIRCUITS IN THE CORRIDOR.



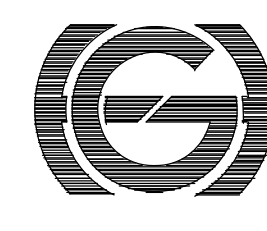
DAVENPORT ELEMENTARY SCHOOL  
PARTIAL LIGHTING PLAN - NEW WORK  
2  
E201 E SCALE: 1/4" = 1'-0"

**KEY PLAN - ELEMENTARY**



**REFERENCE DIMENSION**

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G&H Project No. 2024-147

ENGINEER  
MICHAEL S. GILLAN, PE

DATE  
NO. 24GE04470000

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NJ-2140715025 | PA-16212526  
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NJ-2140719950  
JASON J. DUBOWITZ, AIA  
NJ-2140717850 | PA-1646037  
Architect  
Date: 11/01/2024

**GEVHD**  
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F V H D P C . C O M

Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
DRH  
Drawn By  
MV  
Scale  
AS NOTED

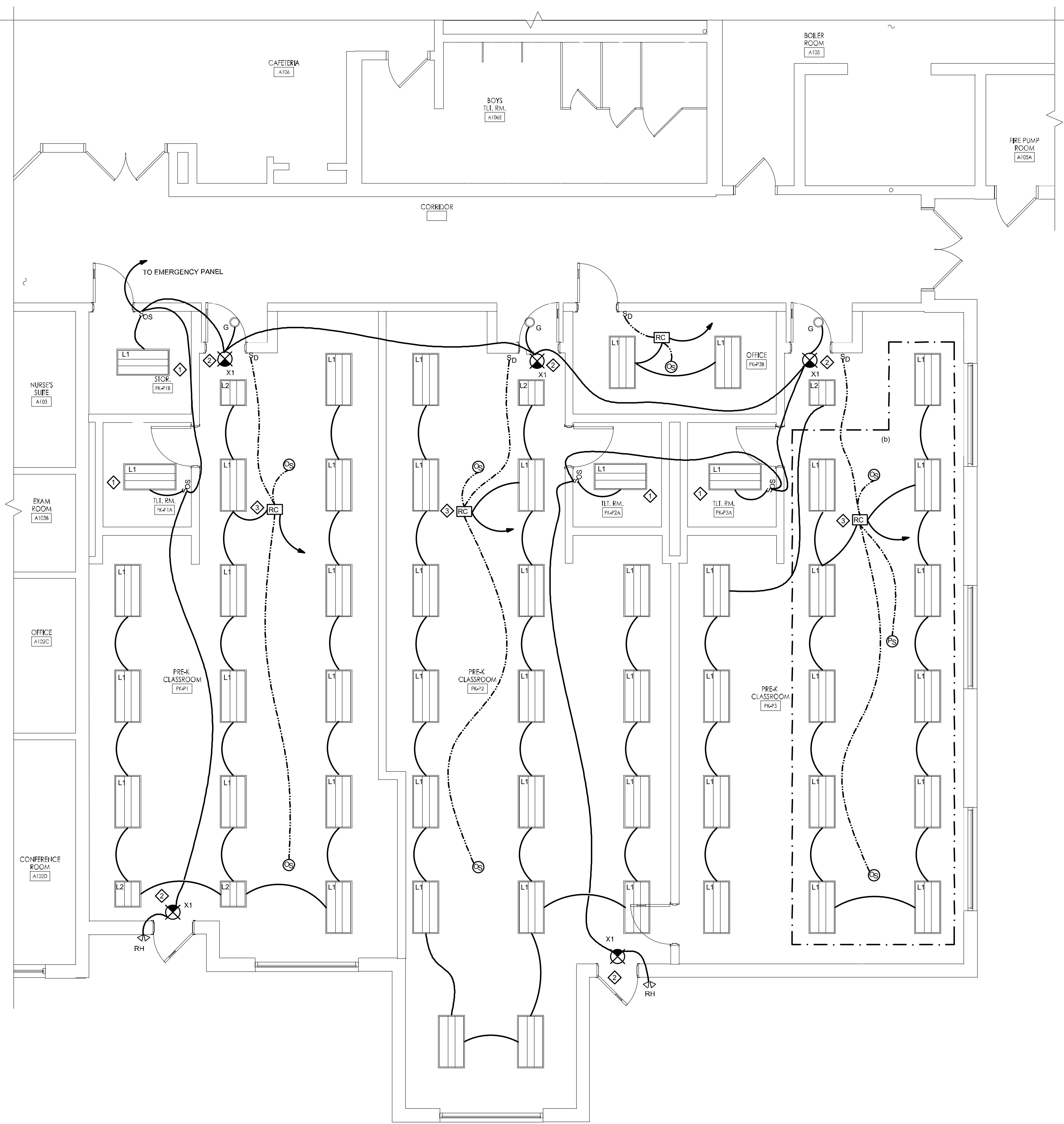
Drawing Name  
ELEMENTARY  
SCHOOL NEW  
WORK - LIGHTING  
PARTIAL PLAN

Revisions  
No. Date Description

Drawing Number

E201 E





- NEW WORK NOTES:**
- CONNECT TO EMERGENCY LIGHTING CIRCUIT.
  - EXIT SIGN TO BE CONNECTED TO THE UNSWITCHED EMERGENCY LIGHTING CIRCUIT.
  - PLUG LOAD CONTROLLER IS SHOWN ON DRAWING E202P. REFER TO DETAIL 3 ON DRAWING E401 FOR CONNECTION INSTRUCTIONS.

DAVENPORT PRIMARY SCHOOL  
PARTIAL LIGHTING PLAN NEW WORK  
SCALE: 1/4" = 1'-0"

KEY PLAN - PRIMARY

REFERENCE DIMENSION

0 1

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G&H Project No. 2024-147

ENGINEER  
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F V H D P C . C O M

Project Name  
Renovations for Five (5) Pre-K Classrooms at Clayton J. Davenport School

Project Owner Name  
Egg Harbor Township School District

Project Location  
2501 Spruce Ave, Egg Harbor Township, NJ 08234

Project Number  
5481

Project Date  
11.01.2024

Checked By  
DRH

Drawn By  
MV

Scale  
AS NOTED

Drawing Name  
PRIMARY SCHOOL LIGHTING NEW WORK - FIRST FLOOR PARTIAL PLAN

Revisions

No.	Date	Description
-----	------	-------------

Drawing Number  
E201 P

WILLIAM D. HOPKINS III AIA LEED AP  
NJ-244796001 PA-AIA12020A

GEORGE B. DUTHE JR. AIA PP  
NJ-244795901

JASON L. DUBOWITZ AIA  
NJ-244795901 PA-AIA12020A

William D. Hopkins  
DATE: 11/01/2024







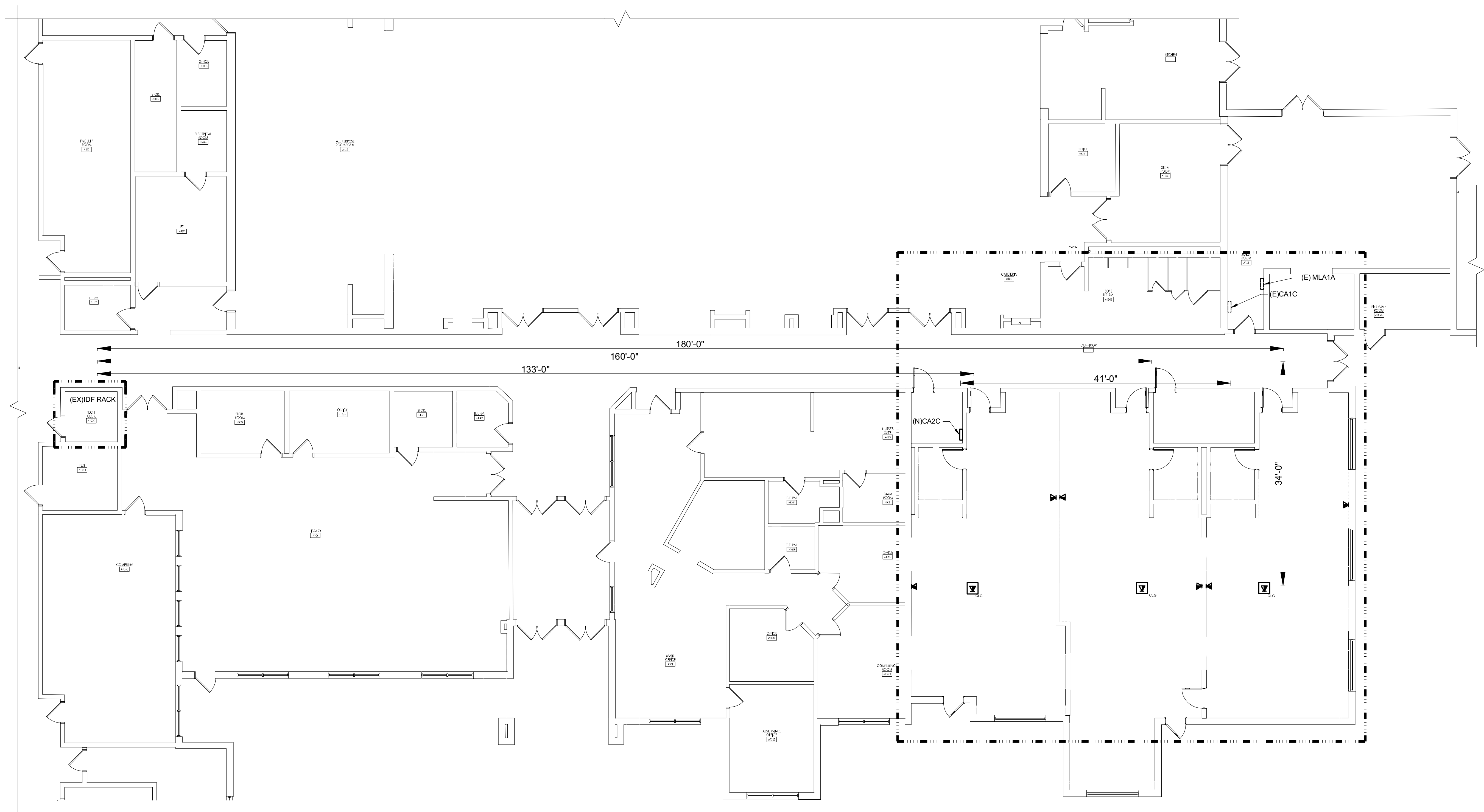


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G&H Project No. 2024-147

ENGINEER	DATE
MICHAEL S. GILLAN, PE	NO. 24GE04470000

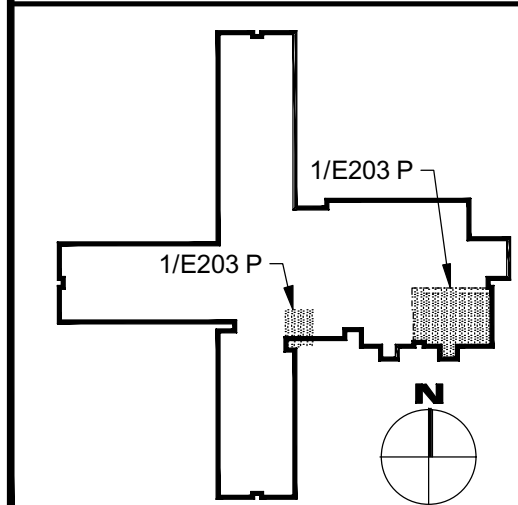
DATE  
NO. 24GE04470000

E203 E



DAVENPORT PRIMARY SCHOOL  
PARTIAL KEY PLAN  
SCALE: 1/8" = 1'-0"

KEY PLAN - PRIMARY



REFERENCE DIMENSION

0 1  
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G&H Project No. 2024-147

11/01/2024  
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ENGINEER  
MICHAEL S. GILLAN, PE  
DATE  
NO. 24GE04470000

WILLIAM D. HOPKINS III, AIA, LEED AP  
NJ-244796001 PA-Arch 2023A  
GEORGE B. DUTHIE JR., AIA, PP  
NJ-244795900  
JASON L. SUBOWITZ, AIA  
NJ-244795801 PA-Arch 2023A  
Date: 11/01/2024  
Project: 24GE04470000

**FVHD** architects  
planners  
Fraytak Veisz Hopkins Duthie P C  
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Pennsylvania: 140 Whitaker Ave - Mont Clairo - Pennsylvania 19403

Project Name  
Renovations for Five  
(5) Pre-K Classrooms  
at Clayton J.  
Davenport School

Project Owner Name  
Egg Harbor Township  
School District

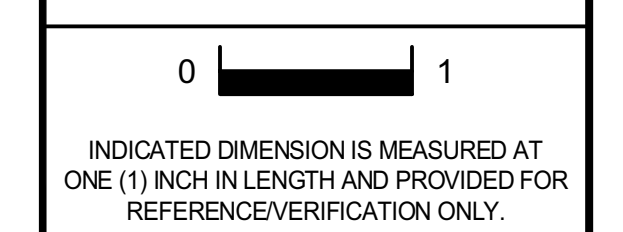
Project Location  
2501 Spruce Ave,  
Egg Harbor  
Township, NJ 08234

Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
DRH  
Drawn By  
MV  
Scale  
AS NOTED

Drawing Name  
PRIMARY SCHOOL  
PARTIAL KEY PLAN

Revisions		
No.	Date	Description

Drawing Number  
E203 P



11/01/2024  
ISSUE FOR BID

ENGINEER	DATE
MICHAEL S. GILLAN, PE	NO. 24GE04470000

2024 GILLAN &amp; HARTMANN, Inc.

DATE  
NO. 24GE04470000

NO. 24GE04470000

**GFVHD** architects  
planners

**Fraytak Veisz Hopkins Duthie P C**

Corporale:  
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140 Whitaker Ave. - Mont. Clare - Pennsylvania 19453  
Pennysylvania:

Project Name	Renovations for Five b) Pre-K Classrooms at Clayton J. Havenport School
--------------	----------------------------------------------------------------------------------

Project Owner Name
<p>Bigg Harbor Township School District</p>

Project Location
501 Spruce Ave, Laguna Hills Township, NJ 08234

Project Number
481
Project Date
1.01.2024
Checked By
HRH
Drawn By
IV
Scale
AS NOTED

Working Name
ELECTRICAL DIAGRAMS

Divisions	
Date	Description

Drawing Number

E401

N-21401765000 | PA-84052320X  
 GEORGE R. DUTHE JR., AIA, PP  
 N-21401297200  
 JASON J. DUBOWITZ, AIA  
 N-21401765900 | PA-8406009  
 William D. Hester  
 Architect  
 Date 11/01/2024



Designation: MLA1A 22KAIC  
Panel Voltage: 480Y/277Volt 3 Phase 4 Wire  
Existing Panel  
Main Circuit Breaker Number of Poles: 400  
42

FEEDER DATA	CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOAD VA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	CIR NO	FEEDER DATA	
No.	WIRE	GND	No.								No.		No.	WIRE	GND
1			1									EXISTING P-3	3	60	
3			3												
5			5												
7			7									EXISTING PUMP-4	3	60	
9			9												
11			11												
13			13									EXISTING PUMP-5	3	40	
15			15												
17			17												
19			19									EXISTING COOLING TOWER	3	60	
21			21												
23			23												
25			25									SPARE	3	20	
27			27												
29			29									SPARE	3	20	
31			31												
33			33									EXISTING AHU-16	1	20	
35			35												
37			37									EXISTING AHU-20	1	20	
39			39									SPARE	1	20	
41			41												

Panel Type: Nema 1  
Mounting: Surface  
Location: BOILER RM PS  
Fed From: MDP  
Phase Conn: 2493 2493 2493 VA  
Total Connected Load 7 KVA 9 AMPS  
Voltage 400  
480  
Remarks: All conduit 3/4" Unless Otherwise Specified.  
(N) Provide new breaker.

Designation: CA1C 22KAIC  
Panel Voltage: 208Y/120Volt 3 Phase 4 wire  
Existing Panel  
Main Lugs Only Number of Poles: 150  
42

FEEDER DATA	CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOAD VA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	CIR NO	FEEDER DATA	
No.	WIRE	GND	No.								No.		No.	WIRE	GND
1			1									EXISTING LOAD	1	20	
3			3									EXISTING LOAD	1	20	
5			5									EXISTING LOAD	1	20	
7			7									EXISTING LOAD	1	20	
9			9									EXISTING LOAD	1	20	
11			11									EXISTING LOAD	1	20	
13			13									EXISTING LOAD	1	20	
15			15									EXISTING LOAD	1	20	
17			17									EXISTING LOAD	1	20	
19			19									EXISTING LOAD	1	20	
21			21									EXISTING LOAD	1	20	
23			23									SPARE	1	20	
25			25									SPARE	1	20	
27			27									EX LIBRARY	1	20	
29			29									SPARE	1	20	
31			31									SPARE	1	20	
33			33									SPARE	2	20	
35			35									SPARE	1	20	
37			37									SPARE	1	20	
39			39									SPARE	1	20	
41			41									SPARE	1	20	

Panel Type: Nema 1  
Mounting: Surface  
Location: BOILER RM PS  
Fed From: XFMR  
Phase Conn: 2758 2386 2026 VA  
Total Connected Load 7 KVA 20 AMPS  
Voltage 225  
208  
Remarks: All conduit 3/4" Unless Otherwise Specified.

Designation: CA2C 22KAIC  
Panel Voltage: 208Y/120Volt 3 Phase 4 wire  
New Panel  
Main Lugs Only Number of Poles: 100  
42

FEEDER DATA	CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOAD VA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	CIR NO	FEEDER DATA	
No.	WIRE	GND	No.								No.		No.	WIRE	GND
2	12	12	1									RCPT TCH DESK	1	20	360
2	12	12	3									RCPT TCH DESK	1	20	360
2	12	12	5									RCPT TCH DESK	1	20	360
2	12	12	7									RCPT FLUG CONTROL PK-P1	1	20	720
2	12	12	9									RCPT FLUG CONTROL PK-P2	1	20	720
2	12	12	11									RCPT FLUG CONTROL PK-P3	1	20	720
2	12	12	13									RCPT TV PK-P1	1	20	250
2	12	12	15									RCPT TV PK-P2	1	20	250
2	12	12	17									RCPT TV PK-P3	1	20	250
2	12	12	19									RCPT GRF COUNTER	1	20	360
2	12	12	21									COSETS PK-P1A, PK-P1A	1	20	168
2	12	12	23									COSETS PK-P1A, COUNTER	1	20	168
2	12	12	25									SPARE	1	20	
2	12	12	27									SPARE	1	20	
2	12	12	29									SPARE	1	20	
2	12	12	31									SPARE	1	20	
2	12	12	33									SPARE	2	20	
2	12	12	35									SPARE	1	20	
2	12	12	37									SPARE	1	20	
2	12	12	39									SPARE	1	20	
2	12	12	41									SPARE	1	20	

Panel Type: Nema 1  
Mounting: Surface  
Location: STORAGE PS  
Fed From: CA1C  
Phase Conn: 2758 2386 2026 VA  
Total Connected Load 7 KVA 20 AMPS  
Voltage 100  
208  
Remarks: All conduit 3/4" Unless Otherwise Specified.

Designation: TA 22KAIC  
Panel Voltage: 208Y/120Volt 3 Phase 4 wire  
New Panel  
Main Lugs Only Number of Poles: 100  
30

FEEDER DATA	CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOAD VA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	CIR NO	FEEDER DATA	
No.	WIRE	GND	No.								No.		No.	WIRE	GND
1			1									SPARE	1	20	
2	12	12	3									RCPT MC-1	1	20	360
2	12	12	5									RCPT FLUG CONTROL PK-P1	1	20	540
2	12	12	7									RCPT GRF TR-1A, TR-1B	1	20	360
2	12	12	9									RCPT GRF PK-1 COUNTER	1	20	360
2	12	12	11									RCPT GRF WATER COOLER	1	20	560
2	12	12	13									SPARE	1	20	
2	12	12	15									RCPT TV PK-1	1	20	360
2	12	12	17									RCPT GRF PK-1A	1	20	360
2	12	12	19									RCPT STORAGE PK-1B	1	20	360
2	12	12	21									RCPT FLUG CONTROL MC-1	1	20	360
2	12	12	23									RCPT GRF MC-1 COUNTER	1	20	360
2	12	12	25									SPARE	1	20	
2	12	12	27									SPARE	1	20	
2	12	12	29									SPARE	1	20	

Panel Type: Nema 1  
Mounting: Surface  
Location: STORAGE PK-1B ES  
Fed From: TDP  
Phase Conn: 1082 2014 2292 VA  
Total Connected Load 5 KVA 15 AMPS  
Voltage 100  
208  
Remarks: All conduit 3/4" Unless Otherwise Specified.

Designation: TB 22KAIC  
Panel Voltage: 208Y/120Volt 3 Phase 4 wire  
New Panel  
Main Lugs Only Number of Poles: 100  
30

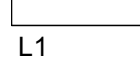





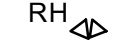
FEEDER DATA	CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOAD VA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	CIR NO	FEEDER DATA	
No.	WIRE	GND	No.								No.		No.	WIRE	GND
2	12	12	1									FAUCET PWR PK-2A	1	20	156
2	12	12	3									RCPT PK-2	1	20	360
2	12	12	5									RCPT TV PK-2	1	20	360
2	12	12	7									RCPT PK-2B	1	20	360
2	12	12	9									RCPT STOR-GLR PK-2B	1	20	180
2	12	12	11									SPARE	1	20	
2	12	12	13									SPARE	1	20	
2	12	12	15									SPARE	1	20	
2	12	12	17									SPARE	1	20	
2	12	12	19									SPARE	1	20	
2	12	12	21									SPARE	1	20	
2	12	12	23									SPARE	1	20	
2	12	12	25									SPARE	1	20	
2	12	12	27									SPARE	1	20	
2	12	12	29									SPARE	1	20	

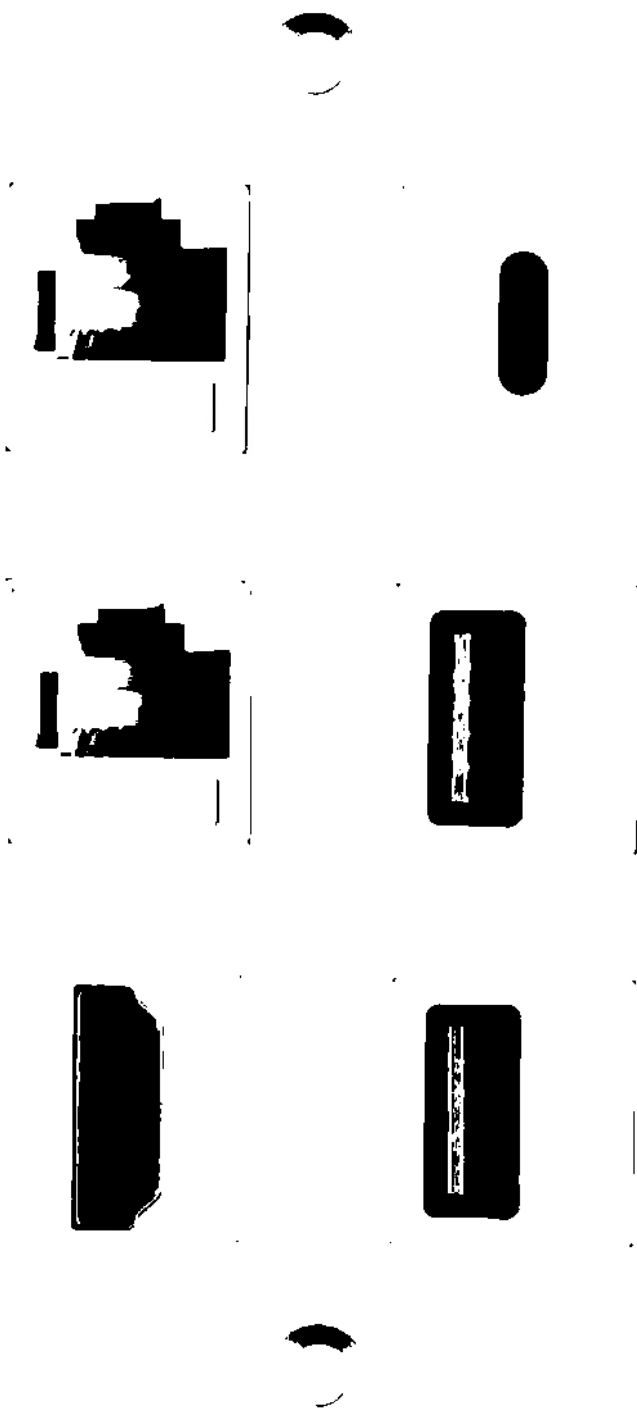
Panel Type: Nema 1  
Mounting: Surface  
Location: STORAGE RM PK-2B ES  
Fed From: TDP  
Phase Conn: 1236 540 1955 VA  
Total Connected Load 4 KVA 10 AMPS  
Voltage 100  
208  
Remarks: All conduit 3/4" Unless Otherwise Specified.

Designation: V 22KAIC  
Panel Voltage: 480Y/277Volt 3 Phase 4 Wire  
Existing Panel  
Main Lugs Only Number of Poles: 100  
42

FEEDER DATA	CIR NO	LOAD DESCRIPTION	C.B. POLE NO.	C.B. TRIP A	C.B. LOAD VA	PHASE A	PHASE B	PHASE C	C.B. LOAD VA	C.B. TRIP A	C.B. POLE NO.	LOAD DESCRIPTION	CIR NO	FEEDER DATA	
No.	WIRE	GND	No.								No.		No.	WIRE	GND
2			2									EX GYM LITG	1	20	
2			4									EX GYM LITG	1	20	
2			6									SPARE	1	20	
2			8									EX LOCKER LITG 120	1	20	
2			10									EX LOCKER 130, OFF 134 LITG	1	20	
2			12									EX GYM LITG	1	20	
4	8	10	14									(N) RTU-1 + (N) RTU-2	3	40	1450
18			16									EX	1	20	1450
22			18												
24			20												
26			22												
28			24												
30			26												

Panel Type: Nema 1  
Mounting: Recessed  
Location: GYM CORRIDOR WALL ES  
Fed From: FROM SDP  
Phase Conn: 1460 1460 1460 VA  
Total Connected Load 4 KVA 5 AMPS  
Voltage 100  
480  
Remarks: All conduit 3/4" Unless Otherwise Specified.  
(N) Provide new breaker.

LUMINAIRE SCHEDULE **REFER TO LIGHTING FIXTURE CUTSHEETS FOR COMPLETE CATALOG NUMBERS**											
Symbol	Qty	Type	Fixture Description	Manufacturer	Catalog Number	CONTROLS	CCT	Volts	Watts	Lumens	Notes
 L1	108	L1	2X4 ARCHITECTURAL TROFFER DROPPED CENTER LENS	LITHONIA LIGHTING	2GTL4400MLP835 (CI-237C10)	0-10V DIMMING	3500K	120-277	34.1	4391	Or Equal
 L1E	3	L1E	2X4 ARCHITECTURAL TROFFER DROPPED CENTER LENS PROVIDE FIELD INSTALLED EMERGENCY DRIVER	LITHONIA LIGHTING	2GTL4400MLP835 (CI-237C10) BSL07 EM DRIVER	0-10V DIMMING	3500K	120-277	34.1	4391	Or Equal Or Equal
 L2	5	A2	2X2 ARCHITECTURAL TROFFER DROPPED CENTER LENS	LITHONIA LIGHTING	2GTL2400MLP835 (CI-237C10)	0-10V DIMMING	3500K	120-277	34.1	4391	Or Equal
 G	3	G	4IN ROUND RECESSED DOWNLIGHT	PRESCOLITE	LFR-4RD-M-10L35K6-XW-DM1 + LFR-4RD-T-SS-WT-CL	0-10V DIMMING	3500K	UNV	7.6	903	Or Equal
 X2	4	X2	LED EXIT/EMERGENCY COMBO SIGN REMOTE HEAD CAPABLE	EVENLIGHT	TDCOM-R 1-WW-RC	N/A	N/A	120-277	N/A	N/A	Or Equal
 X1	5	X1	EDGE LIT EXIT SIGN	EVENLIGHT	SOV11-EM-R-1C-BA-RC-AR-SD-FT	N/A	N/A	120-277	N/A	N/A	Or Equal
RH  RH	2	RH	REMOTE HEADS EXTERIOR	EVENLIGHT	PRWLED2-MV	N/A	N/A	12 OR 24 V	N/A	N/A	Or Equal



1  
E601  
TYPICAL 2 X RJ45, 2 X USB 3.0, 1 X USB-C, 1 X HDMI SINGLE GANG WALL PLATE  
NO SCALE

DATA SHEET

ELECTRICAL SPECIFICATIONS:

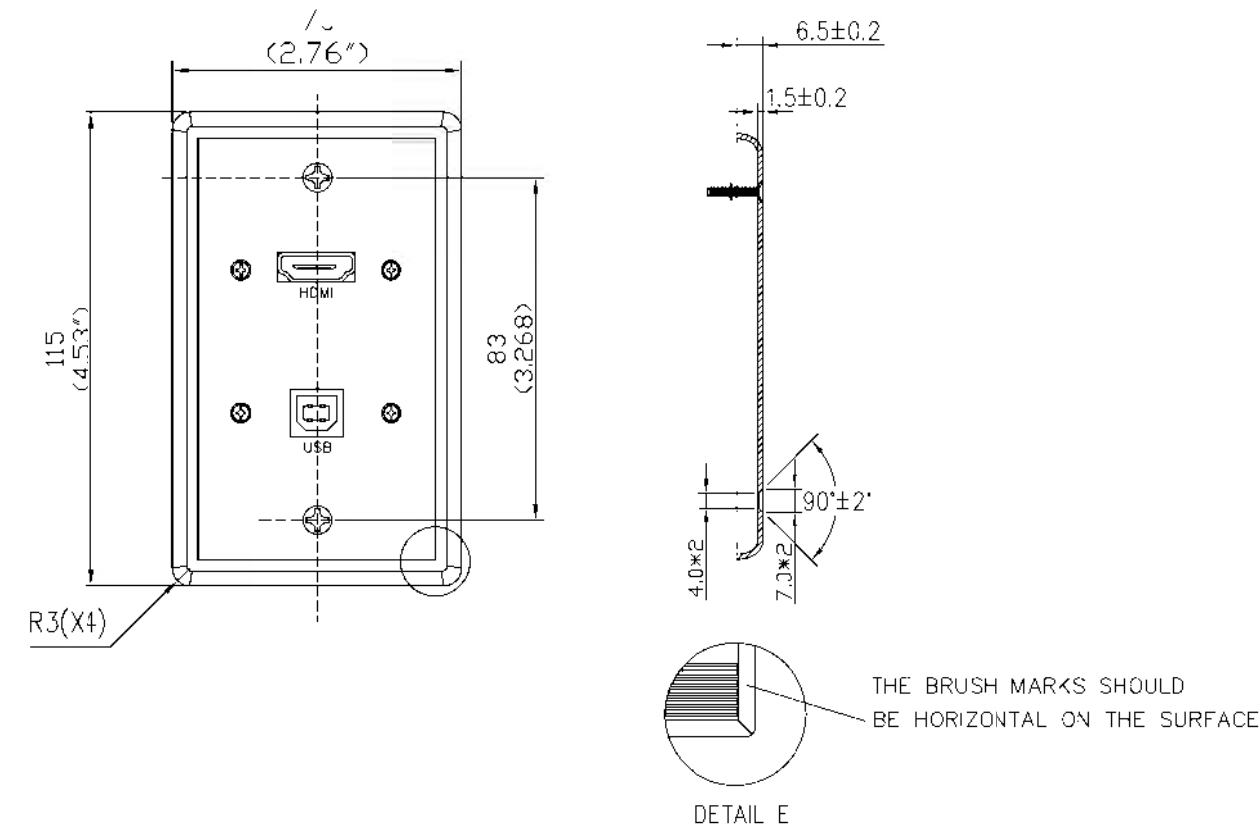
PHYSICAL SPECIFICATIONS:

SPECIFICATIONS:  
HDMI and USB Path Through Single Gang Wall Plate

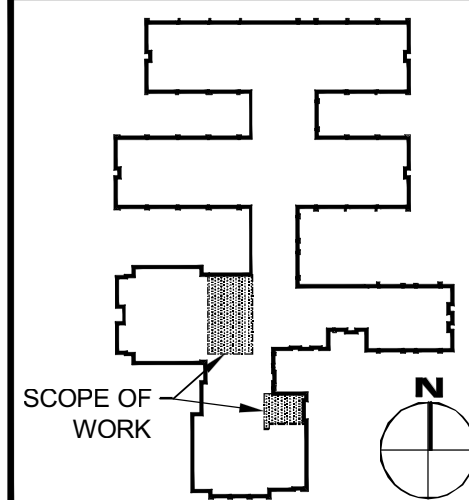


DATA SHEET

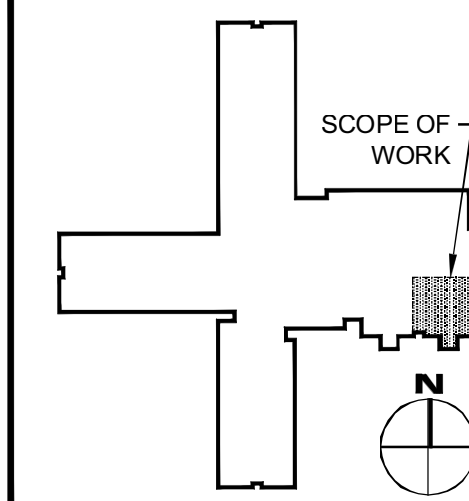
SPECIFICATIONS:  
HDMI and USB Path Through Single Gang Wall Plate



KEY PLAN - ELEMENTARY



KEY PLAN - PRIMARY



REFERENCE DIMENSION

0 1  
INDICATED DIMENSION IS MEASURED AT ONE (1) INCH IN LENGTH AND PROVIDED FOR REFERENCE/VERIFICATION ONLY.



11/01/2024  
ISSUE FOR BID

WILLIAM D. HOPKINS III, AIA, LEED AP  
W: 214.017.0600 F: 847.235.61  
GEORGE E. DUTHIE JR., AIA, PP  
W: 214.017.0600  
JASON L. DUBOWITZ, AIA  
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11/01/2024  
D. Hopkins  
FVHD



Project Name  
Renovations for Five (5) Pre-K Classrooms at Clayton J. Davenport School

Project Owner Name  
Egg Harbor Township School District

Project Location  
2501 Spruce Ave, Egg Harbor Township, NJ 08234

Project Number  
5481  
Project Date  
11.01.2024  
Checked By  
DRH  
Drawn By  
MV  
Scale  
AS NOTED

Drawing Name  
ELECTRICAL DETAILS

Revisions		
No.	Date	Description

Drawing Number  
E601