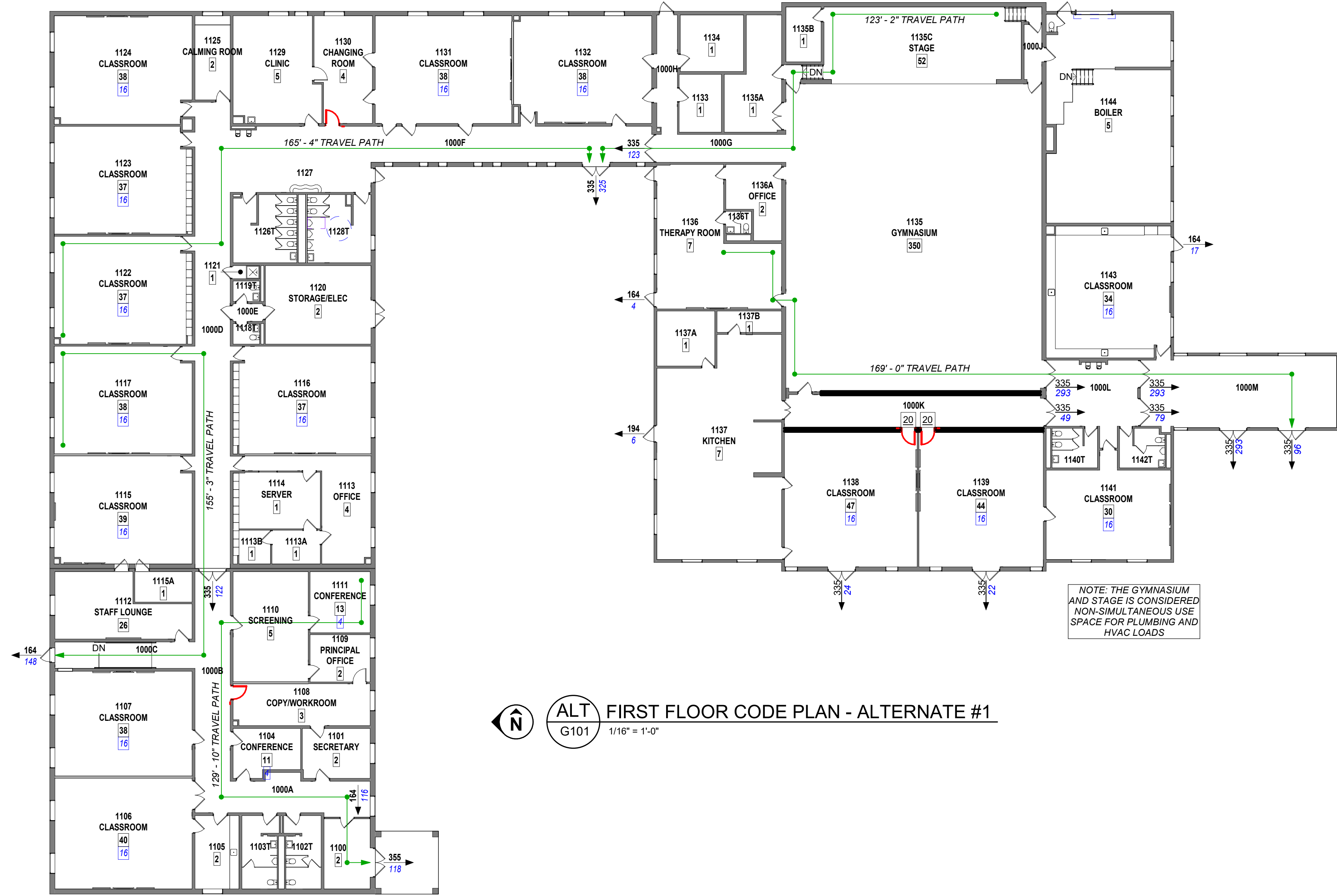


1 FIRST FLOOR CODE PLAN  
G101 1/16" = 1'-0"



ALT FIRST FLOOR CODE PLAN - ALTERNATE #1  
G101 1/16" = 1'-0"

**CODE DATA KEY** BUILDING CODE UTILIZED: EXISTING OBC 2024 w/ UPDATES

- EXIT CAPACITY
- ACTUAL LOAD THRU EXIT
- DESIGN OCCUPANT LOAD PER OBC TABLE 1004.5 OR MAXIMUM ANTICIPATED OCCUPANT LOAD
- ACTUAL OCCUPANT LOAD - BASED ON ACTUAL OCCUPANTS IN EACH ROOM OR SPACE, USED TO DETERMINE PLUMBING FIXTURE REQUIREMENTS AS PERMITTED IN 2902.1 AND HVAC LOADS AS PERMITTED IN ASHRAE 62.1, TABLE 6-1.

**CODE DATA PLAN WALL AND DOOR TAG KEY**

- SOLID BLACK FILL INDICATES FIRE- OR SMOKE-RESISTANCE RATED CONSTRUCTION
- FIRE RESISTANCE RATING (HRS) OR SMOKE (S)
- DOOR FIRE RESISTANCE RATING (MIN) OR SMOKE (S)
- W = WALL
- B = FIRE OR SMOKE BARRIER
- P = FIRE OR SMOKE PARTITION
- CEILING RATING EQUAL TO BOUNDING WALL RATING TO CREATE CONTINUOUS RATED ENCLOSURE - WHERE WALLS DO NOT EXTEND TO DECK.
- TRAVEL DISTANCE PATH

**BUILDING CODE COMPLIANCE INFORMATION**

OCCUPANCY CLASSIFICATION	NON-SEPARATED MIXED USE -
B, E, & A-3 (UNCHANGED)	
OBC CONSTRUCTION TYPE	IB (UNCHANGED)
BUILDING SPRINKLERED?	NS (UNCHANGED)

**PLUMBING FIXTURE REQUIREMENTS**

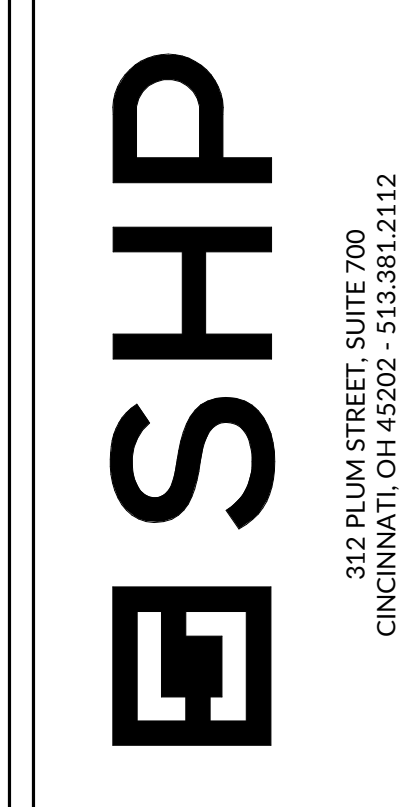
BUILDING OCCUPANTS: 350 OCCUPANTS (Actual Load)

	M	F
Water Closets:	175	175
E 1: 50M 1: 50F -- 350 OCCUPANTS	3.5	3.5
Required	4	4
Actual Water Closets Provided	6	11
Actual Urinals Provided	5	-
TOTAL PROVIDED	11	11
Lavatories:		
E 1: 50M 1: 50F -- 350 OCCUPANTS	3.5	3.5
Required	4	4
TOTAL PROVIDED	6	6
Showers:		
E Not Required by Code	-	-
Required	-	-
TOTAL PROVIDED	0	0
Drinking Fountains:		
E 1: 100 RATIO -- 350 OCCUPANTS	3.5	
Required	4	
TOTAL PROVIDED	4	
Service Sinks:		
Required	1	
TOTAL PROVIDED	1	

Plumbing Area P1

**EGRESS TRAVEL DISTANCE SCHEDULE**

PATH NAME	LENGTH
CLASSROOM 1117	155'-3"
CLASSROOM 1122	165'-4"
CONFERENCE 1111	129'-10"
STAGE 1135C	123'-2"
THERAPY 1136	169'-0"



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI, OH 45239

**ISSUANCES**

06-24-24 PERMIT SET
1 09-01-25 ADDENDUM 1

**CODE DATA SHEET**

COMM NO. 2024081.01

**G101**

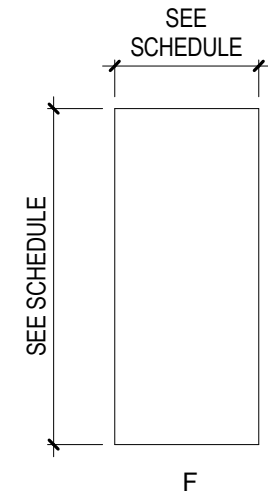




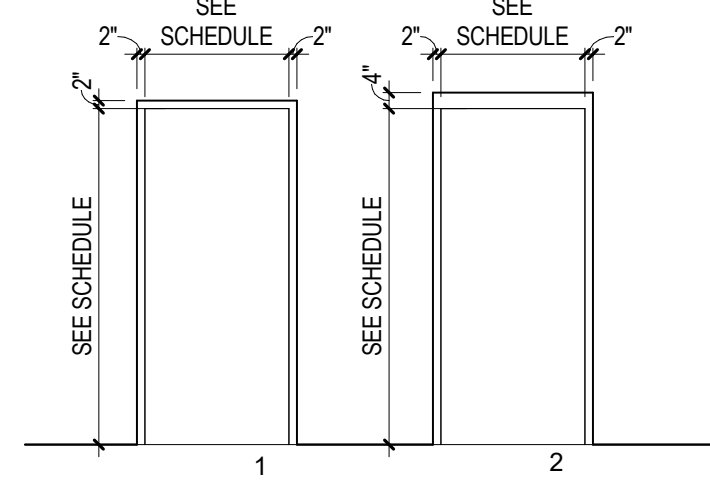
DOOR AND FRAME SCHEDULE																				
#	DOOR						FRAME						RATING (MINUTES)	ACCESS CONTROL	HDWR SET	NOTES	DOOR #			
	# OF LEAFS	WIDTH	HEIGHT	THK	TYPE	MATL	FINISH	DEPTH	TYPE	E-FRAME	MATL	FINISH						HEAD	JAMB	SILL
1108	1	3'-0"	7'-0"	1 3/4"	F	WD	PF	5 3/4"	1	-	HM	PT	H3/A011	J3/A011	-	20	-	01		1108
1109B	1	3'-0"	7'-0"	1 3/4"	F	WD	PF	5 3/4"	1	-	HM	PT	H2/A011	J2/A011	-	-	-	02		1109B
1129B	1	3'-0"	7'-0"	1 3/4"	F	WD	PF	5 3/4"	1	-	HM	PT	H2/A011	J2/A011	-	-	-	03		1129B
1130A	1	3'-0"	7'-0"	1 3/4"	F	WD	PF	5 3/4"	2	-	HM	PT	H3/A011	J3/A011	-	20	-	02		1130A
1138	1	3'-0"	7'-0"	1 3/4"	F	WD	PF	8 7/8"	1	-	HM	PT	H1/A011	J1/A011	-	20	-	04	ALTERNATE #1	1138
1139	1	3'-0"	7'-0"	1 3/4"	F	WD	PF	8 7/8"	1	-	HM	PT	H1/A011	J1/A011	-	20	-	04	ALTERNATE #1	1139

**OPENING SCHEDULE ABBREVIATIONS**

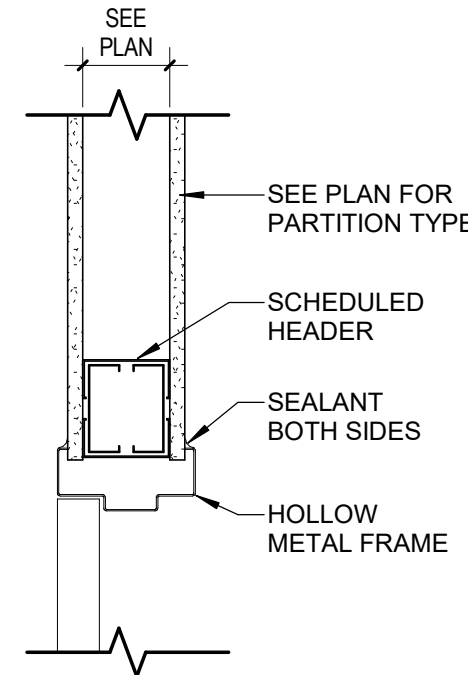
- AL ALUMINUM
- HM HOLLOW METAL
- PF PREFINISHED
- PT PAINT
- SS STAINLESS STEEL
- STL STEEL
- WD WOOD



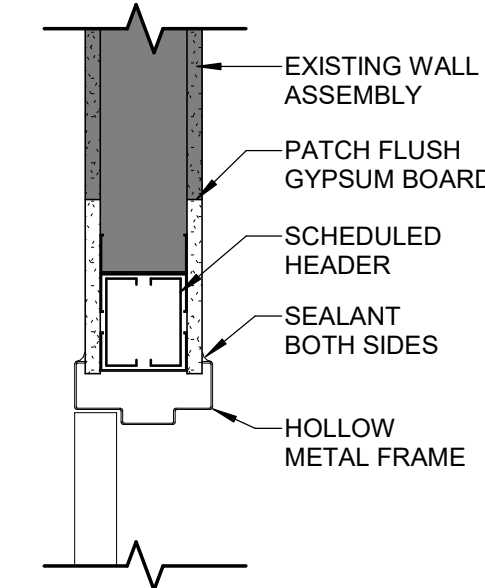
**DOOR TYPES**  
NTS



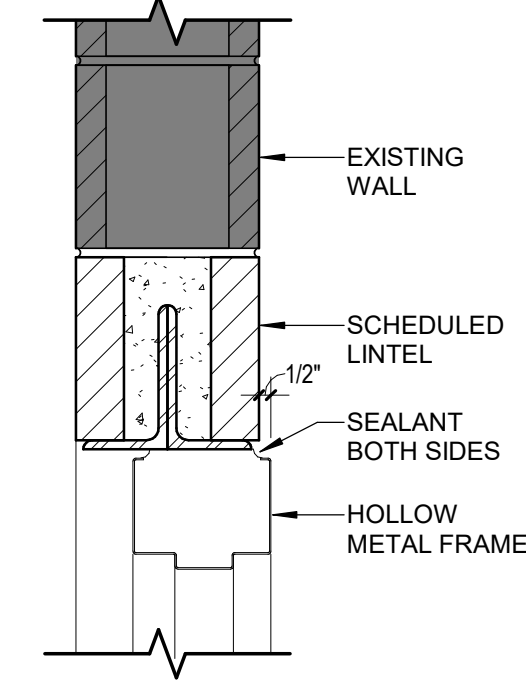
**FRAME TYPES**  
NTS



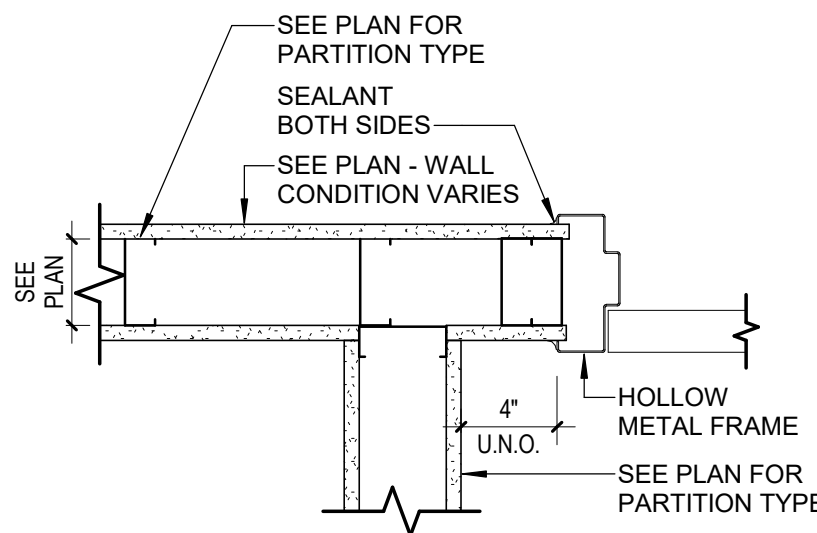
**H1 HEAD DETAIL**  
A011 1 1/2" = 1'-0"



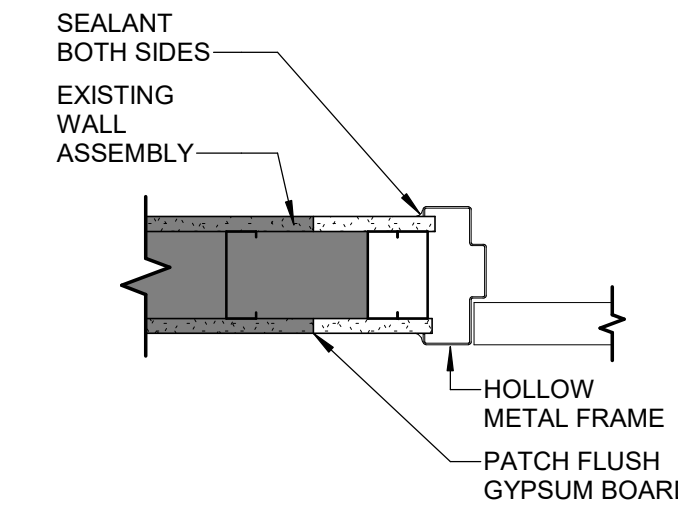
**H2 HEAD DETAIL**  
A011 1 1/2" = 1'-0"



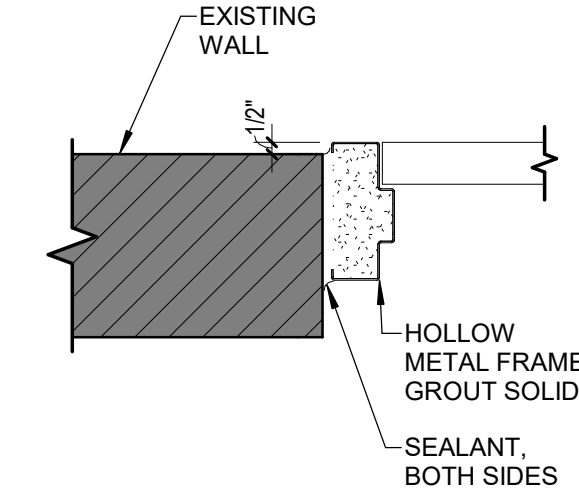
**H3 HEAD DETAIL**  
A011 1 1/2" = 1'-0"



**J1 JAMB DETAIL**  
A011 1 1/2" = 1'-0"



**J2 JAMB DETAIL**  
A011 1 1/2" = 1'-0"



**J3 JAMB DETAIL**  
A011 1 1/2" = 1'-0"

**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI, OH 45239

**ISSUANCES**

NO.	DATE	DESCRIPTION
1	06-24-24	PERMIT SET
1	09-01-25	ADDENDUM 1

**OPENING SCHEDULE & DETAILS**









**1**  
AD101  
1/8" = 1'-0"

**ALT**  
AD101  
1/8" = 1'-0"

**DEMOLITION LEGEND**

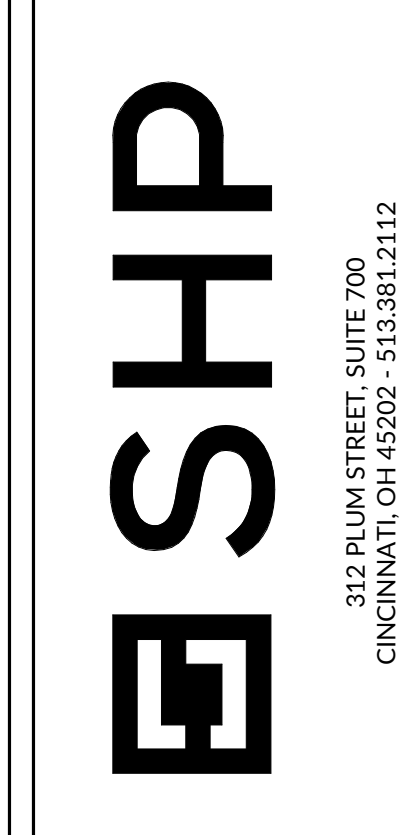
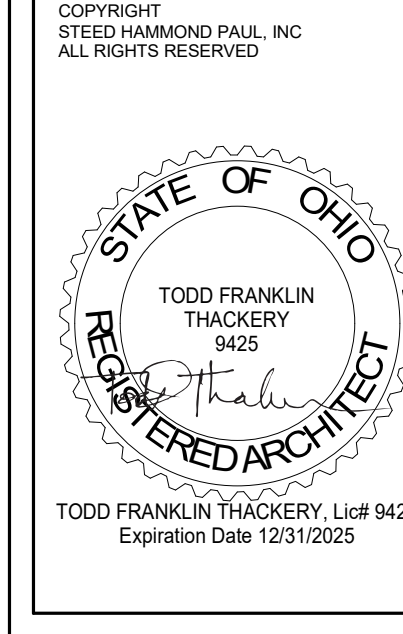
	NO WORK THIS AREA
	REMOVE EXISTING CONSTRUCTION
	EXISTING CONSTRUCTION TO REMAIN
	REMOVE EXISTING DOOR AND/OR FRAME AS NOTED
	EXISTING DOOR AND FRAME TO REMAIN

**GENERAL NOTES - DEMOLITION PLAN**

- A. REPAIR EXISTING SURFACES WHERE DEMOLITION HAS OCCURRED FOR NEW CONSTRUCTION. GENERAL TRADES CONTRACTOR SHALL PATCH/REPAIR WALL, FLOOR AND CEILING SURFACES AFFECTED BY DEMOLITION WORK. PATCHING/CUTTING OF EXISTING SURFACES FOR NEW WORK SHALL BE THE RESPONSIBILITY OF THE RESPECTIVE CONTRACTOR PERFORMING THE WORK. ALL REPAIRS SHALL MATCH EXISTING ADJACENT SURFACES IN MATERIAL, FINISH, TEXTURE, ETC. THIS WORK IS TO BE INCLUDED IN BASE BID AND IS NOT TO BE INCLUDED IN THE QUANTITY ALLOWANCE.
- B. UNLESS DIRECTED BY OWNER, ALL MISCELLANEOUS ITEMS ATTACHED TO FLOORS, WALLS, OR CEILINGS ARE TO BE REMOVED THAT INTERFERE WITH INSTALLATION OR ALIGNMENT OF NEW WORK. THIS INCLUDES BUT NOT LIMITED TO: SHELVES, BRACKETS, POSTERS, PAINTINGS, ART OR OTHER DISPLAYS, PROJECTION SCREENS, AND VISUAL DISPLAY BOARDS.
- C. OWNER WILL REMOVE ALL LOOSE FURNITURE/APPLIANCES IN ROOMS PRIOR TO THE COMMENCEMENT OF DEMOLITION.
- D. AT ALL EXISTING SURFACES SCHEDULED TO RECEIVE A NEW PAINT FINISH REMOVE ANY EXISTING FASTENERS, BRACKETS, ETC. IN WALLS THAT ARE NOT BEING USED AND PATCH TO MATCH EXISTING ADJACENT SURFACES IN MATERIALS, FINISH, TEXTURE, ETC. PATCH CHIPPED PAINT SURFACES ON PLASTER WALLS TO MATCH ADJACENT SURFACE TEXTURE. SAND CHIPPED EDGES ON WOOD AND METAL SURFACES SMOOTH.
- E. NOT ALL ROOM MATERIAL/FINISH DEMOLITION INDICATED, WHERE NEW MATERIAL/FINISH IS INDICATED IN ROOM FINISH SCHEDULE, REMOVE EXISTING MATERIAL/FINISH INCLUDING FLOOR AND BASE, ADHESIVES/MASTICS, FLOOR SEALERS AND CURING COMPOUNDS, AND FLOOR PAINT WHETHER OR NOT SHOWN TO BE REMOVED ON DEMOLITION FLOOR PLANS.
- F. REFER TO PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS TO BE DEMOLISHED.
- G. REMOVE EXISTING WOOD BASE WHERE NEW CASEWORK EXTENDS TO FLOOR.
- H. WHERE FLOOR SLABS TO REMAIN ARE DISCONTINUOUS AT WALLS AND PARTITIONS NOTED TO BE REMOVED, REMOVE WALL/PARTITION TO BELOW FLOOR SLAB AND PATCH SLAB THROUGH OPENING.
- J. WHERE NEW OPENINGS OCCUR WHERE EXISTING WALLS HAVE BEEN REMOVED, FEATHER CEMENT-BASED UNDERLAYMENT AT A DISTANCE OF 8 FEET FROM EACH JAMB TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING FLOOR FINISHES ON EACH SIDE OF THE OPENING. FLOOR SURFACE SHALL BE FLAT WITHIN 3/16" IN 10 FEET IN ACCORDANCE WITH ASTM F710.

**KEY NOTES - DEMOLITION PLANS**

- D1 REMOVE ALL INTERIOR PARTITIONS, SUSPENDED ACOUSTICAL CEILINGS, FLOOR FINISHES, FLOOR ADHESIVE, AND WALL BASE IN THIS AREA.
- D2 REMOVE FLOOR FINISH, ADHESIVE, AND BASE
- D3 REMOVE ACOUSTICAL PANEL/TILE CEILING, INCLUDING GRIDS AND HANGERS
- D4 REMOVE PORTION OF RAISED FLOOR INSIDE BOARD CONFERENCE ROOM
- D5 REMOVE OPERABLE PARTITION, SOFFIT, AND ASSOCIATED HARDWARE
- D6 REMOVE CASEWORK
- D7 REMOVE MASONRY PARTITION TO THE EXTENT SHOWN
- D8 REMOVE PORTION OF EXISTING MASONRY/METAL STUD CAVITY WALL FOR NEW OPENING. SHORE MASONRY UNTIL LINTEL IS INSTALLED. TOOTH MASONRY AT JAMBS
- D9 REMOVE PORTION OF EXISTING METAL STUD WALL. ALIGN WITH EXISTING HIGH CEILING



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI, OH 45239

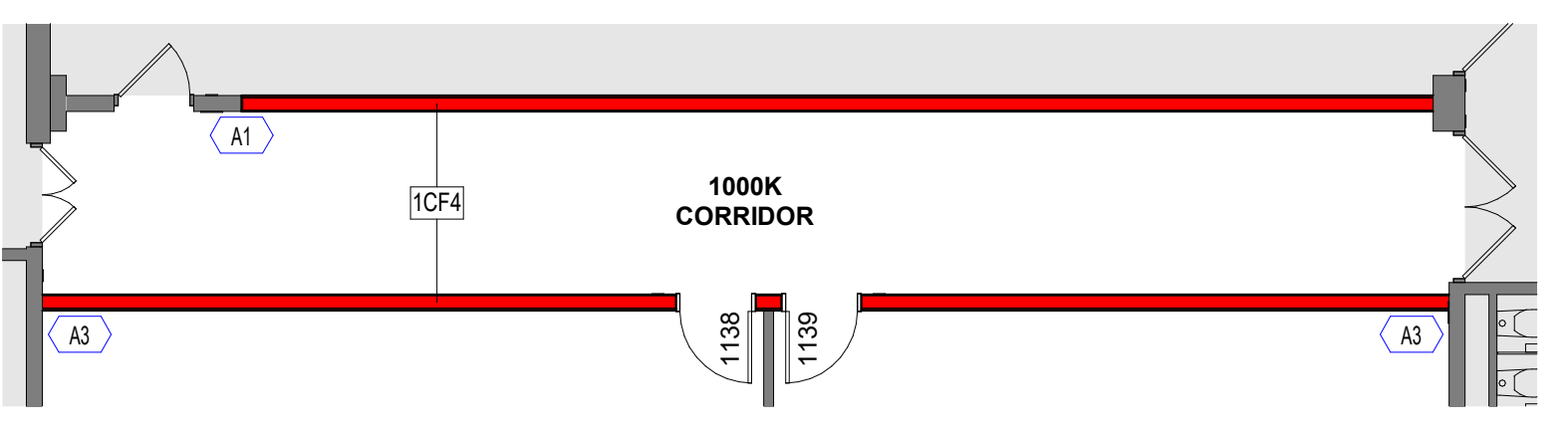
**ISSUANCES**

1	08-01-24	ADDENDUM 1
---	----------	------------

**FIRST FLOOR DEMO PLAN**  
COMM NO. 2024081.01  
**AD101**



**1**  
A101  
1/8" = 1'-0"



**ALT**  
A101  
1/8" = 1'-0"

- INSULATED PANEL INSTALLATION NOTES**
- REMOVE ONLY AS MUCH OF THE WINDOW ASSEMBLY AS NEEDED TO INSTALL THE AIR CONDITIONER.
  - PROVIDE INSULATED METAL PANEL SIMILAR TO THE MAPES-R TO COMPLETELY COVER OPENING. PROVIDE CUSTOM CUTS IN PANEL TO FIT AIR CONDITIONER AND WINDOW ASSEMBLY SYSTEM.
  - PANEL CONSTRUCTION:
    - A. EXT. AND INT. SKINS - A30 STEEL
    - B. SUBSTRATES - 1/8" HARDBOARD
    - C. CORE - POLYSTYRENE
  - PROVIDE CONTINUOUS SILICONE SEALANT AROUND INSULATED PANEL FOR WEATHERTIGHT INSTALLATION.
  - PROVIDE ALUMINUM TRIM INSIDE AS NEEDED.

**GENERAL NOTES - FLOOR PLAN**

- A. SEE A001 FOR SYMBOLS LEGEND.
- B. SEE INTERIOR FLOOR PLANS (A000 SERIES) FOR WALL-MOUNTED CASEWORK, EQUIPMENT, AND FURNISHINGS REQUIRING BLOCKING IN PARTITIONS.
- C. ALL DIMENSIONS ARE TO FACE OF MASONRY, FACE OF STUD, OR FACE OF EXISTING FINISH UNLESS NOTED OTHERWISE.
- D. ALL PARTITIONS TYPE M1 UNLESS NOTED OTHERWISE.

**KEY NOTES - FLOOR PLANS**

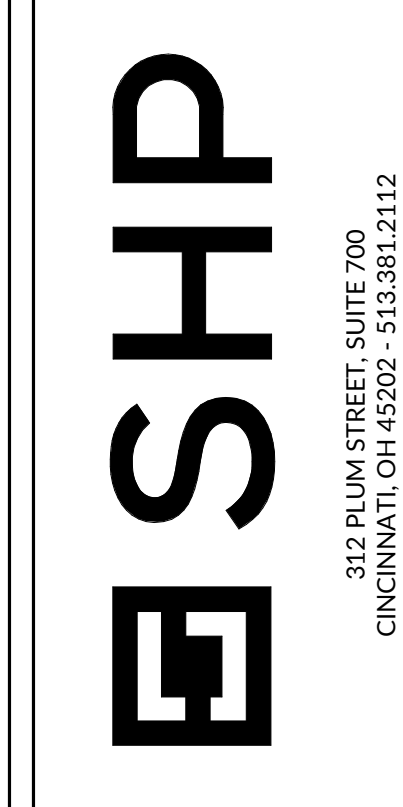
- A1 ALIGN NEW PARTITION WITH EXISTING CONSTRUCTION
- A2 ALIGN NEW PARTITION WITH EXISTING OPERABLE PARTITION TRACK
- A3 ALIGN NEW PARTITION WITH EXISTING HIGH CEILING
- A4 INFILL OPENING TO MATCH ADJACENT
- A5 WINDOW A/C UNIT. SEE INSULATED PANEL INSTALLATION NOTES FOR MORE INFORMATION

**FLOOR PLAN LEGEND**

- NO WORK THIS AREA
- NEW WALL/PARTITION
- EXISTING CONSTRUCTION TO REMAIN
- NEW DOOR AS SCHEDULED
- EXISTING DOOR AND FRAME TO REMAIN

**TOILET CLEARANCE LEGEND**

- CIRCULAR TURNING SPACE
- TOILET CLEAR FLOOR SPACE. NO OTHER FIXTURES SHALL OVERLAP THIS AREA



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI, OH 45239

**ISSUANCES**

NO.	DATE	DESCRIPTION
06-24-24	PERMIT SET	
11-28-01-25	ADDENDUM 1	

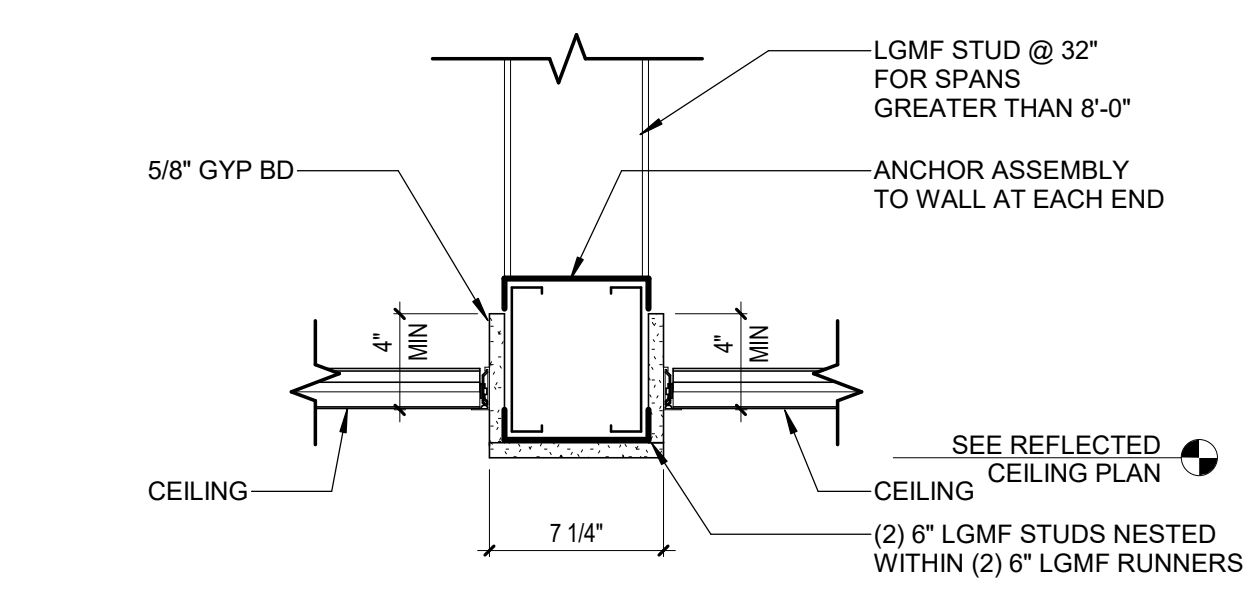
**FIRST FLOOR PLAN**





**1** FIRST FLOOR REFLECTED CEILING PLAN  
A401 1/8" = 1'-0"

**ALT** FIRST FLOOR REFLECTED CEILING PLAN - ALTERNATE #1  
A401 1/8" = 1'-0"



**2** SOFFIT DETAIL  
A401 1 1/2" = 1'-0"

**GENERAL NOTES - REFLECTED CEILING PLAN**

- A. ALL EXPOSED CEILING STRUCTURE, DECK, DUCTWORK, CONDUIT, HANGERS, ETC. TO BE PAINTED PT-1 UNLESS NOTED OTHERWISE.
- B. PAINT ALL GYP BD SOFFITS PT-1 UNLESS NOTED OTHERWISE.
- C. ALL EXPOSED INTERIOR STEEL (LINTELS, ETC) TO BE PAINTED TO MATCH ADJACENT WALL SURFACE UNLESS NOTED OTHERWISE. ALL EXTERIOR STEEL (LINTELS, ETC) TO BE PAINTED TO MATCH FIRST MASONRY COURSE ABOVE LINTEL UNLESS NOTED OTHERWISE.

**KEY NOTES - REFLECTED CEILING PLANS**

**ISSUANCES**

NO.	DATE	DESCRIPTION
06-24-24	PERMIT SET	
11-29-01-25	ADDENDUM 1	

**FIRST FLOOR REFLECTED CEILING PLAN**







**1**  
A701  
1/8" = 1'-0"

**ALT**  
A701  
1/8" = 1'-0"

**KEY TO BASE FINISH TAG**

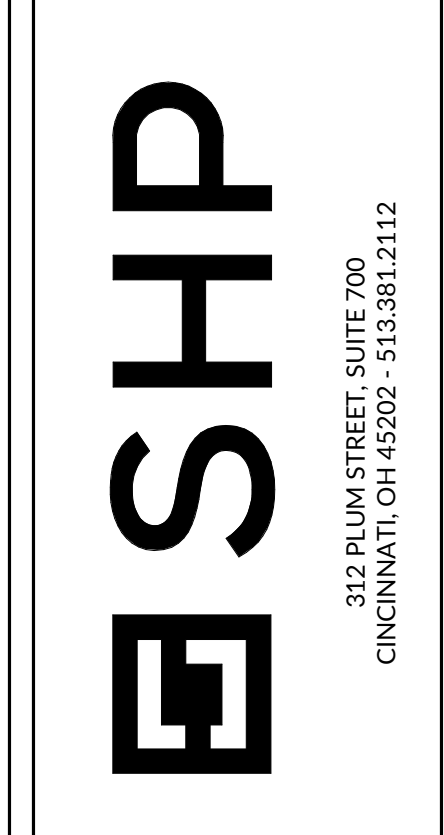
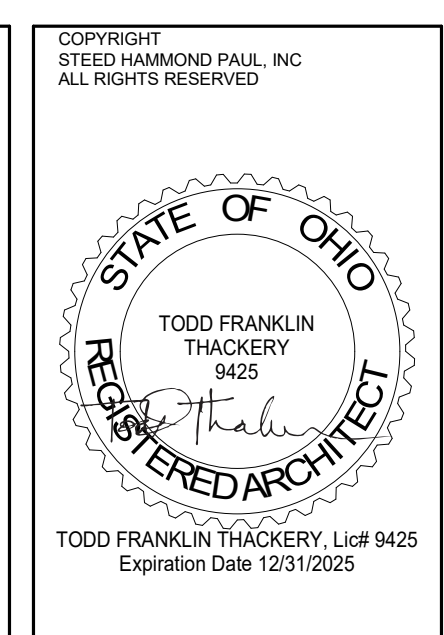
101	ROOM NAME
BASE FINISH	RB-1

- GENERAL NOTES - FLOOR FINISH PLAN**
- A. CONTRACTOR MUST OBTAIN COLOR PRINTS OF ALL FLOOR PATTERNS FROM ARCHITECT BEFORE INSTALLING MATERIAL.
  - B. WHEN MATERIAL TRANSITIONS OCCUR AT A DOORWAY, TRANSITION TO OCCUR AT THE CENTERLINE OF THE CLOSED DOOR.

**FLOOR PATTERN LEGEND**

VCT-1	CPT-1
-------	-------

- FINISH LISTING**
- RESILIENT BASE**  
RB-1: JOHNSONITE, 4" BASE, COLOR: TO MATCH EXISTING  
ASTM E 648: CLASS 1
  - CARPET TILE**  
CPT-1: SHAW CONTRACT, DIFFUSE STRATAWORX, 24"x24" TILE, COLOR: TO BE SELECTED  
ASTM E 648: CLASS 1
  - VINYL COMPOSITION TILE**  
VCT-1: ARMSTRONG, VCT, 12" x 12" TILE, COLORS: TO BE SELECTED  
ASTM E 648: CLASS 1



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI, OH 45239

**ISSUANCES**

06-24-24	PERMIT SET
08-01-25	ADDENDUM 1

**FIRST FLOOR FINISH PLAN**

COMM NO. 2024081.01

**A701**











23-EXISTING ROOFTOP UNIT SCHEDULE - FOR REFERENCE									
MARK	MODEL	NOMINAL TONNAGE	MIN. OUTSIDE AIR	NOMINAL COOLING CAPACITY TOTAL	NOMINAL SUPPLY FLOW	HEAT SOURCE (GAS/ELEC)	NOTES		
RTU-1	LENNOX GCS16-036	3.0 ton	315 CFM	36,000 Btu/h	1200	GAS	1		
RTU-2	LENNOX GCS16-036	3.0 ton	315 CFM	36,000 Btu/h	1200	GAS	1		
RTU-3	CARRIER 48GS-018	1.5 ton	0 CFM	18,000 Btu/h	600	GAS	1,2		
RTU-4	LENNOX GCS16-120	10.0 ton	600 CFM	120,000 Btu/h	4000	GAS	1		
RTU-6	BRYANT 558DPX060	5.0 ton	0 CFM	60,000 Btu/h	2000	ELECTRIC	1,2		
RTU-7	BRYANT 558DPX060	5.0 ton	0 CFM	60,000 Btu/h	2000	ELECTRIC	1,2		
RTU-9	BRYANT 558DPX060	5.0 ton	0 CFM	60,000 Btu/h	2000	ELECTRIC	1,2		
RTU-10	CARRIER 48GS-024	2.0 ton	0 CFM	24,000 Btu/h	800	GAS	1,2		
RTU-11	BRYANT 558DPX048	4.0 ton	0 CFM	48,000 Btu/h	1600	ELECTRIC	1,2		
RTU-12	BRYANT 55 BIG RTU	10.0 ton	0 CFM	120,000 Btu/h	4000	ELECTRIC	1,2		

- NOTES:
- ROOFTOP UNITS ARE EXISTING TO REMAIN. SHOWN HERE FOR REFERENCE ONLY.
  - VENTILATION AIR VIA NATURAL VENTILATION IN THE AREA SERVED BY THIS RTU.

23-NEW EXHAUST FAN SCHEDULE													
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	EXHAUST FAN			ELECTRICAL CHARACTERISTICS					
					AIRFLOW	EXTERNAL STATIC PRESSURE	RPM	HP	AMPS	MOCPP	Ø	VOLTAGE	NOTES
EF-7	GREENHECK	G-080-E	1128T BOYS RR	ROOF	290 CFM	0.5 in-wg	1591	0.1	1.5 A	15.0 A	1	115 V	1

- NOTES:
- FAN SHALL BE ON DURING OCCUPIED HOURS.

23-CONDENSING BOILER																						
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	DESIGN FLUID PRESSURE	RELIEF VALVE SETTING	MBH CAPACITY		FLUID TYPE	FLUID TEMPERATURE		FLOW RATE, GPM		ALLOWABLE GAS PRESSURE, IN-WG	RATED THERMAL EFFICIENCY	ELECTRICAL CHARACTERISTICS			NOTES			
							INPUT	OUTPUT		ENTERING	LEAVING	DESIGN	MINIMUM	MAXIMUM		MINIMUM	MAXIMUM	AMPS		Ø	VOLTAGE	
B-1	LOCHINVAR	FTX400	HEATING HOT WATER		FIRE TUBE CONDENSING	399	392	WATER	60 psi	100 psi	120 °F	140 °F	39	10	3.5 RH2O	4	14	98.00%	4.0 A	1	120 V	1,2
B-2	LOCHINVAR	FTX400	HEATING HOT WATER		FIRE TUBE CONDENSING	399	392	WATER	60 psi	100 psi	120 °F	140 °F	39	10	3.5 RH2O	4	14	98.00%	4.0 A	1	120 V	1,2

- NOTES:
- CONDENSATE NEUTRALIZATION KIT.
  - BOILER CONTROLLER TO CONTROL FIRING RATE TO LEAVING WATER TEMPERATURE. PROVIDE AND INSTALL ALL NECESSARY DEVICES AND WIRING, AND SET UP SEQUENCE.

23-HYDRONIC PUMP SCHEDULE																	
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	DESIGN FLOW RATE	FLUID TYPE	TOTAL DYNAMIC HEAD, FT HEAD	SUCTION SIZE	DISCHARGE SIZE	IMPELLER DIAMETER, IN	PUMP TYPE	BHP	ELECTRICAL CHARACTERISTICS			MOTOR CONTROLLER	NOTES
													MOTOR HP	Ø	VOLTAGE		
BP-1	BELL & GOSSETT	1.5x1.5x9.5B	BOILER	MECH RM	39 GPM	WATER	15	1.5"	1.5"	7.625	INLINE, CLOSE-COUPLED	0.297	0.5	3	230 V	VFD	1
BP-2	BELL & GOSSETT	1.5x1.5x9.5B	BOILER	MECH RM	39 GPM	WATER	15	1.5"	1.5"	7.625	INLINE, CLOSE-COUPLED	0.297	0.5	3	230 V	VFD	1
HWP-1	BELL & GOSSETT	1.5x1.5x7C	HEATING HOT WATER	MECH RM	78 GPM	WATER	72	1.5"	1.5"	5.25	INLINE, CLOSE-COUPLED	2.46	5	3	230 V	VFD	2

- NOTES:
- PUMP OPERATES AS CONSTANT VOLUME. VFD IS FOR BALANCING PURPOSES ONLY.
  - CONTROL PUMP SPEED TO MAINTAIN LOOP DIFFERENTIAL PRESSURE.

23-AIR DEVICE SCHEDULE											
MARK	BASIS OF DESIGN		DIFFUSER TYPE	MAXIMUM AIRFLOW	MAXIMUM PRESSURE DROP	MAXIMUM SOUND	BLADE SPACING	DIFFUSER PATTERN	CONNECTION SIZE (INCH)	FACE SIZE (INCH)	NOTES
	MANUFACTURER	MODEL									
EG-1	PRICE	80	EGG CRATE GRILLE	720 CFM	0.085 in-wg	20	12" X 12"	0	12" X 12"	12" X 12"	
RS-2	PRICE	535	LOUVERED FACE RETURN GRILLE	300 CFM	0.097 in-wg	24	34"	0	12" X 8"	12" X 8"	
SD-1	PRICE	SPD	SQUARE PLAQUE DIFFUSER	195 CFM	0.065 in-wg	22	N/A	0	60	24x24	
SD-2	PRICE	SPD	SQUARE PLAQUE DIFFUSER	350 CFM	0.115 in-wg	27	N/A	0	80	24x24	
SD-7	PRICE	SPD	SQUARE PLAQUE DIFFUSER	175 CFM	0.192 in-wg	22	N/A	0	60	12X12	

23-MECHANICAL/ELECTRICAL COORDINATION SCHEDULE									
MARK	SPECIFICATION SECTION	TYPE	STARTING MEANS				DISCONNECTING MEANS		
			PROVIDED BY	INSTALLED BY	LOCATION	TYPE	PROVIDED BY	INSTALLED BY	LOCATION
AC-1	23	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	RECEPTACLE	DIV. 26	DIV. 26	NEAR UNIT
AC-2	23	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	RECEPTACLE	DIV. 26	DIV. 26	NEAR UNIT
AC-3	23	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	RECEPTACLE	DIV. 26	DIV. 26	NEAR UNIT
AC-4	23	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	RECEPTACLE	DIV. 26	DIV. 26	NEAR UNIT
B-1	23	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	MRTS	DIV. 26	DIV. 26	NEAR UNIT
B-2	23	CONTROL PANEL	DIV. 23	DIV. 23	INTEGRAL TO UNIT	MRTS	DIV. 26	DIV. 26	NEAR UNIT
BP-1	23	VFD	DIV. 23	DIV. 26	NEAR UNIT	VFD	DIV. 23	DIV. 26	NEAR UNIT
BP-2	23	VFD	DIV. 23	DIV. 26	NEAR UNIT	VFD	DIV. 23	DIV. 26	NEAR UNIT
HWP-1	23	VFD	DIV. 23	DIV. 26	NEAR UNIT	DISCONNECT SWITCH	DIV. 26	DIV. 26	NEAR UNIT

23-AIR AND DIRT SEPARATOR SCHEDULE					
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	CONNECTION SIZE
AS-1	BELL & GOSSETT	R-3F	HEATING HOT WATER	MECH RM	190 GPM

23-WINDOW AIR CONDITIONER SCHEDULE												
MARK	MANUFACTURER	MODEL	TOTAL COOLING CAPACITY	AIRFLOW	CEER	EER	REFRIGERANT	ELECTRICAL CHARACTERISTICS				
								AMPS	MOCPP	Ø	VOLTAGE	NOTES
AC-1	FRIEDRICH	KCL24A30B	23000.0 Btu/h	640 CFM	10.3	10.4	R410A	11.1 A	20.0 A	1	230 V	1
AC-2	FRIEDRICH	KCL24A30B	23000.0 Btu/h	640 CFM	10.3	10.4	R410A	11.1 A	20.0 A	1	230 V	1
AC-3	FRIEDRICH	KCL24A30B	23000.0 Btu/h	640 CFM	10.3	10.4	R410A	11.1 A	20.0 A	1	230 V	1
AC-4	FRIEDRICH	KCS12A10A	12000.0 Btu/h	300 CFM	12	12	R410A	9.5 A	15.0 A	1	115 V	1
AC-5	FRIEDRICH	KCL24A30B	23000.0 Btu/h	640 CFM	10.3	10.4	R410A	11.1 A	20.0 A	1	230 V	1

- NOTES:
- SUPPORT UNITS WITH MANUFACTURER'S SUPPORT ACCESSORY KIT ACCORDING TO MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS. PROVIDE WALL SLEEVE AS NEEDED.

23-ENERGY RECOVERY UNIT SCHEDULE																															
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	SUPPLY FAN					EXHAUST FAN					ELECTRICAL CHARACTERISTICS																
					AIRFLOW	EXTERNAL STATIC PRESSURE	RPM	HP	AIRFLOW	EXTERNAL STATIC PRESSURE	RPM	HP	SUMMER AIR TEMPERATURES			WINTER AIR TEMPERATURES			AMPS	MOCPP	Ø	VOLTAGE	NOTES								
													SUPPLY AIR		EXHAUST AIR	SUMMER ENERGY RECOVERY		WINTER ENERGY RECOVERY													
													ENTERING AIR	LEAVING AIR	ENTERING AIR	WET BULB	DRY BULB	WET BULB						DRY BULB	WET BULB	DRY BULB	WET BULB	DRY BULB	WET BULB		
ERV-1	RENEWAIRE LLC	SL70L	1361A OFFICE	1361A OFFICE	50 CFM	0.50 in-wg	3290	0.07	50 CFM	0.50 in-wg	3290	0.07	90 °F	74 °F	78 °F	67 °F	75 °F	63 °F	79.2	8 °F	6 °F	57 °F	63 °F	70 °F	51 °F	79.2	15.0 A	15.0 A	1	120 V	1

- NOTES:
- UNIT SHALL BE ON DURING OCCUPIED HOURS.

23-HVAC SHEET LIST	
SHEET NUMBER	SHEET NAME
M001	MECHANICAL SCHEDULES AND LEGENDS
M002	MECHANICAL SCHEDULES AND DETAILS
M003	VENTILATION SCHEDULES
M101	FIRST FLOOR DUCTWORK DEMO PLAN
M201	FIRST FLOOR DUCTWORK PLAN
M202	ROOF HVAC PLAN
M401	ENLARGED MECHANICAL PLANS
M500	MECHANICAL ALTERNATE PLANS

ABBREVIATIONS			
ACU	AIR CONDITIONING UNIT	LL	LOW LIMIT
ACH	AIR CHANGES PER HOUR	LON	LOCAL OPERATING NETWORK
AFUE	ANNUAL FUEL EFFICIENCY RATIO	LP	LOW PRESSURE
AHU	AIR HANDLING UNIT	LRA	LOCKED ROTOR AMPS
AI	ANALOG INPUT	LWB	LEAVING WET BULB TEMPERATURE
AD	ANALOG OUTPUT	LWT	LEAVING WATER TEMPERATURE
B	BOILER	M&V	MEASUREMENT AND VERIFICATION
BACNET	COMMUNICATION PROTOCOL FOR BUILDING AUTOMATION NETWORKS	MA	MIXED AIR TEMPERATURE
BAS	BUILDING AUTOMATION SYSTEM	MAT	MOTOR AIR TEMPERATURE
BI	BINARY INPUT	MCC	MOTOR CONTROL CENTER
BO	BOILER	MJA	MAKE-UP AIR UNIT
BTU/H	BRITISH THERMAL UNITS / HOUR	MZ	MULTI-ZONE
CAV	CONSTANT AIR VOLUME	NC	NORMALLY CLOSED
CDD	COOLING DEGREE DAYS	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CFC	CHLOROFLUOROCARBON	NO	NORMALLY OPEN
CFM	CUBIC FEET PER MINUTE	NPSH	NET POSITIVE SUCTION HEAD
COP	COEFFICIENT OF PERFORMANCE	OA	OUTSIDE AIR PERCENTAGE
CRAC	COMPUTER ROOM AIR CONDITIONER	OAT	OUTSIDE AIR TEMPERATURE
CT	COOLING TOWER	OOP	OPEN DRIP PROOF
CV	CONSTANT VOLUME	OWS	OPERATOR WORK STATION
DAT	DISCHARGE AIR TEMPERATURE	PC	PERFORMANCE CONTRACTING
DB	DRY BULB	PE	PROFESSIONAL ENGINEER
DCV	DEMAND CONTROLLED VENTILATION	PRE-HEAT	PRE-HEAT
DCC	DIRECT DIGITAL CONTROL	PID	PROPORTIONAL INTEGRAL DERIVATIVE
DDH	DUCT HEATER	PRV	PRESSURE RELIEF VALVE
DP	DIFFERENTIAL PRESSURE	PRV	PRESSURE REDUCING VALVE
DX	DIRECT EXPANSION	PTAC	PACKAGED TERMINAL AIR CONDITIONER
EAT	ENTERING AIR TEMPERATURE	RA	RETURN AIR
ECM	ELECTRONICALLY COMMUTATED MOTOR	RF	RETURN FAN
EDH	ELECTRIC DUCT HEATER	RH	REHEAT
EER	ENERGY EFFICIENCY RATIO	RH	RELATIVE HUMIDITY
EF	EXHAUST FAN	RM	REVOLUTIONS PER MINUTE
EH	ELECTRIC HEATER	RTD	RESISTANCE TEMPERATURE DETECTOR
EMS	ENERGY MANAGEMENT SYSTEM	RTU	ROOF TOP UNIT
ESCO	ENERGY SERVICE COMPANY	SA	SUPPLY AIR
EUH	ELECTRIC UNIT HEATER	SAT	SUPPLY AIR TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
FCU	FAN COIL UNIT	SF	SUPPLY FAN
FMA	FULL LOAD AMPS	SHR	SENSIBLE HEAT RATIO
FMS	FACILITY MANAGEMENT SYSTEM	SP	SET POINT
FFM	FEET PER MINUTE	SP	STATIC PRESSURE
FW	FEED WATER	T	THERMOSTAT
GFW	GALLONS PER MINUTE	TEV	THERMOSTATIC EXPANSION VALVE
GUI	GRAPHICAL USER INTERFACE	TOOD	TIME OF DAY
HCFC	HYDROCHLOROFLUOROCARBON	TXV	THERMOSTATIC EXPANSION VALVE
HEPA	HIGH EFFICIENCY PARTICULATE ARRESTING	UH	UNIT HEATER
HFC	HYDROFLUOROCARBON	UL	ULTRAVIOLET
HHWP	HEATING HOT WATER PUMP	UV	UNIT VENTILATOR
HHWR	HEATING HOT WATER RETURN	VAV	VARIABLE AIR VOLUME
HW	HOT WATER SUPPLY	VD	VOLUME DAMPER
HWP	HOT WATER PUMP	VFD	VARIABLE FREQUENCY DRIVE
HWR	HOT WATER RETURN	VSD	VARIABLE SPEED DRIVE
HWRT	HOT WATER RETURN TEMPERATURE	VSP	VARIABLE SPEED PUMPING
HWS	HOT WATER SUPPLY TEMPERATURE	WB	WET BULB
HWST	HOT WATER SUPPLY TEMPERATURE	WC	WATER COLUMN
HX	HEAT EXCHANGER	YTD	YEAR TO DATE
IO	INPUT OUTPUT		
IAQ	INDOOR AIR QUALITY		
IR	INFRARED		
LAT	LEAVING AIR TEMPERATURE		
LHV	LOWER HEATING VALUE		

**SYMBOLS AND ABBREVIATIONS LEGEND**  
(THESE ARE THE SYMBOLS LISTED IN THIS SET OF DRAWINGS THAT ARE NOT USED IN THIS SET OF DRAWINGS)

PIPING SYMBOLS	DESCRIPTION
—HHWS—	HEATING HOT WATER SUPPLY PIPING
—HHWR—	HEATING HOT WATER RETURN PIPING
—COND—	CONDENSATE DRAIN PIPING
—RS/L—	REFRIGERANT SUCTION/LIQUID PIPING
—E—	BALL VALVE
—B—	BUTTERFLY VALVE
—P—	PLUG VALVE
—C—	CIRCUIT BALANCING VALVE
—C—	CHECK VALVE
—PRV-#	PRESSURE REDUCING VALVE
—3—	3-WAY VALVE
—M—	MOTORIZED CONTROL VALVE
—M—	MOTORIZED 3-WAY CONTROL VALVE
—S—	SOLENOID VALVE
—W—	WYE STRAINER
—	PIPE CONTINUATION
—	POINT OF REMOVAL/CONNECTION
—X—	KEYNOTE NOTE

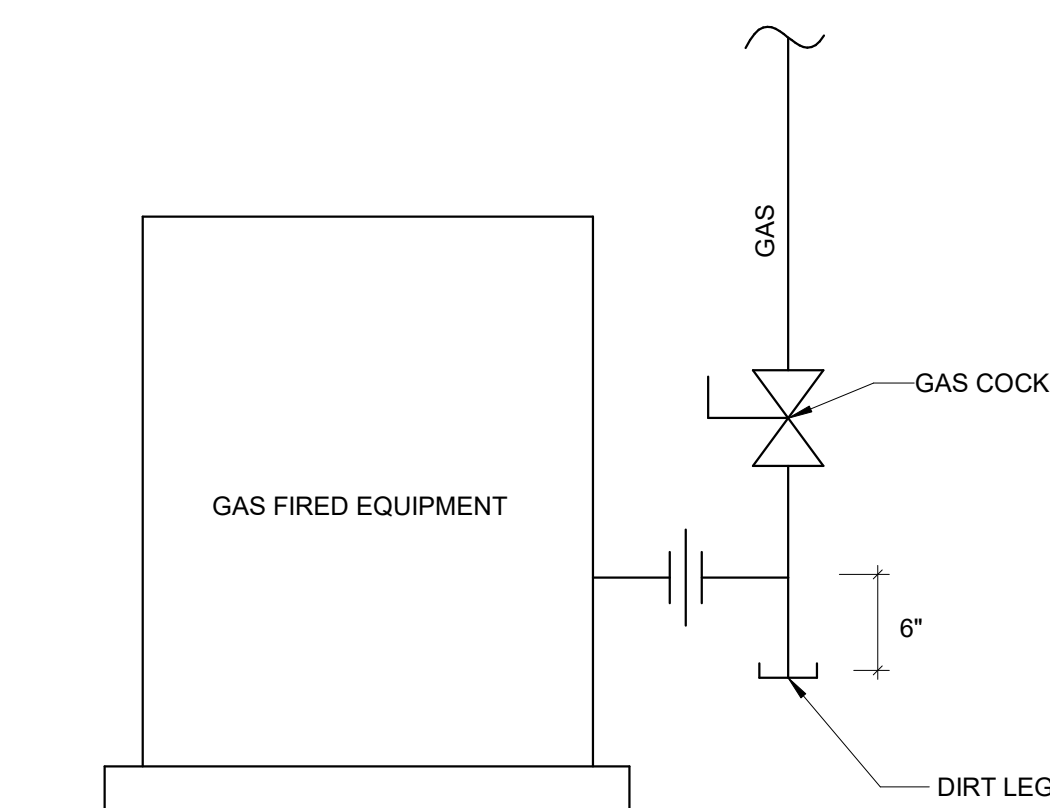
DUCTWORK SYMBOLS	
—	LINEAR DIFFUSER
—X—	SUPPLY DIFFUSER
—X—	RETURN GRILLE
—X—	EXHAUST GRILLE
—	BALANCING DAMPER
—	BACKDRAFT DAMPER
—	SMOKE DAMPER
—	FIRE DAMPER
—	MOTORIZED CONTROL DAMPER
—	INTERNALLY LINED DUCTWORK
—X—	FABRIC DUCTWORK
—	FLEXIBLE DUCTWORK

CONTROL SYMBOLS	
—	THERMOSTAT
—	CARBON DIOXIDE SENSOR
—	HUMIDITY SENSOR
—	VOC SENSOR
—	COMBINATION THERMOSTAT / HUMIDITY SENSOR
—	CARBON MONOXIDE SENSOR

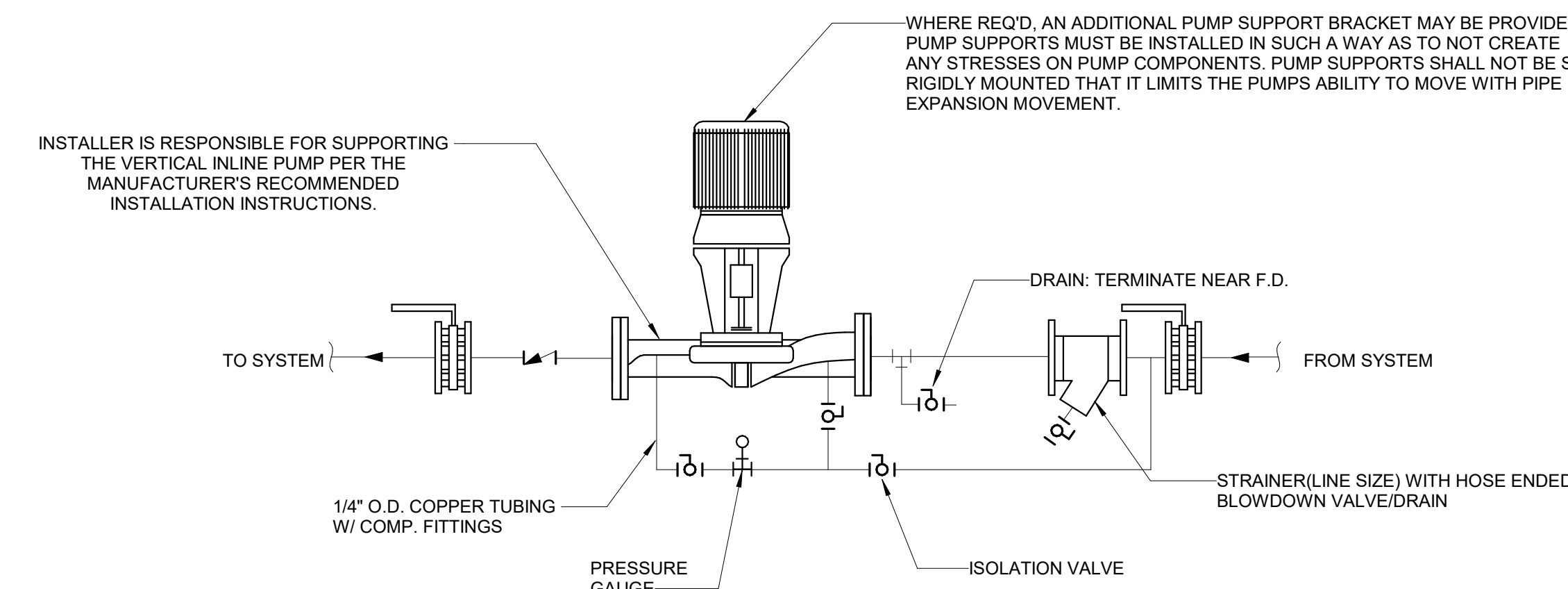


**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH, 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI,

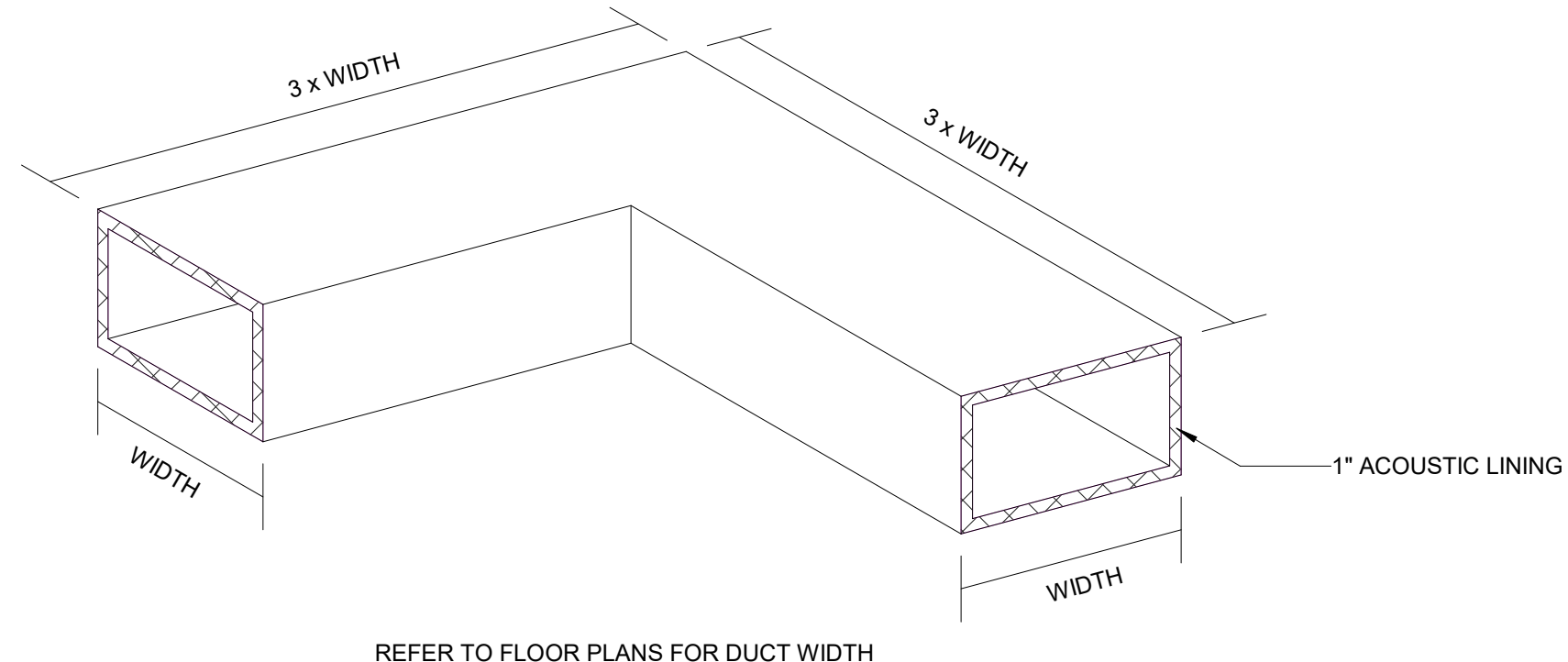




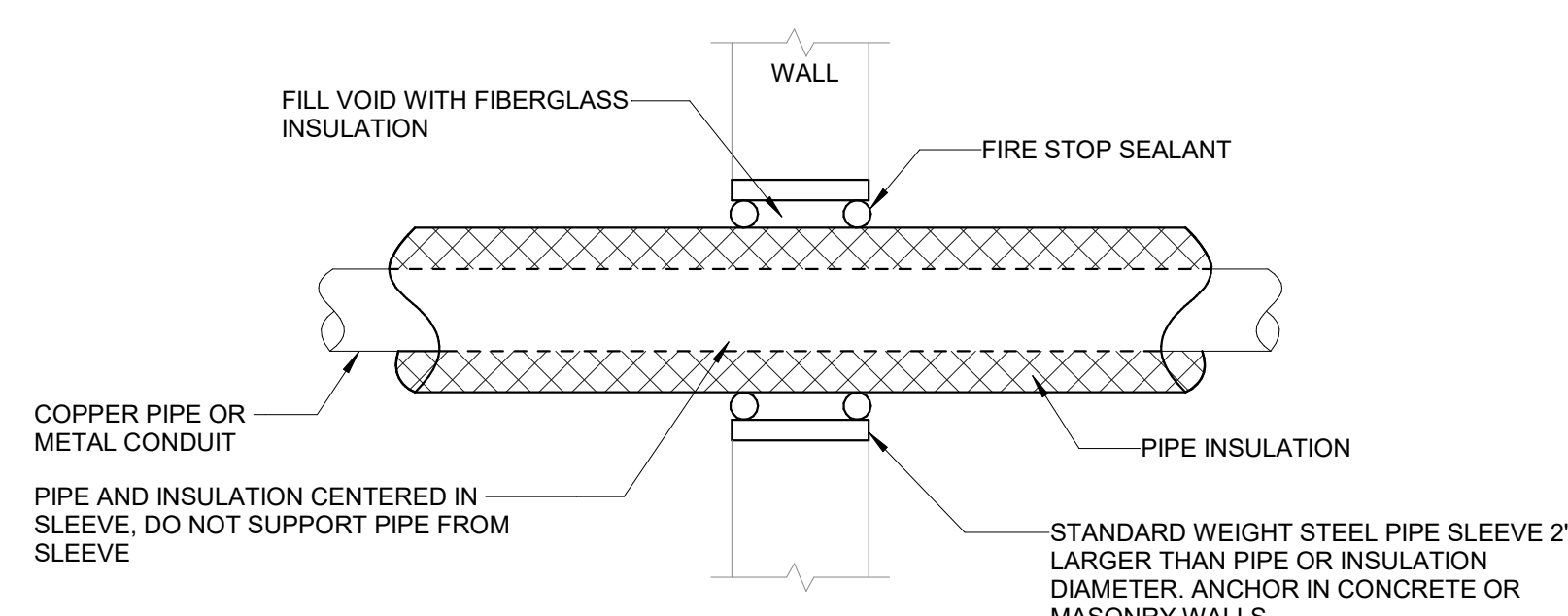
**1 GAS EQUIPMENT CONNECTION DETAIL**  
M002



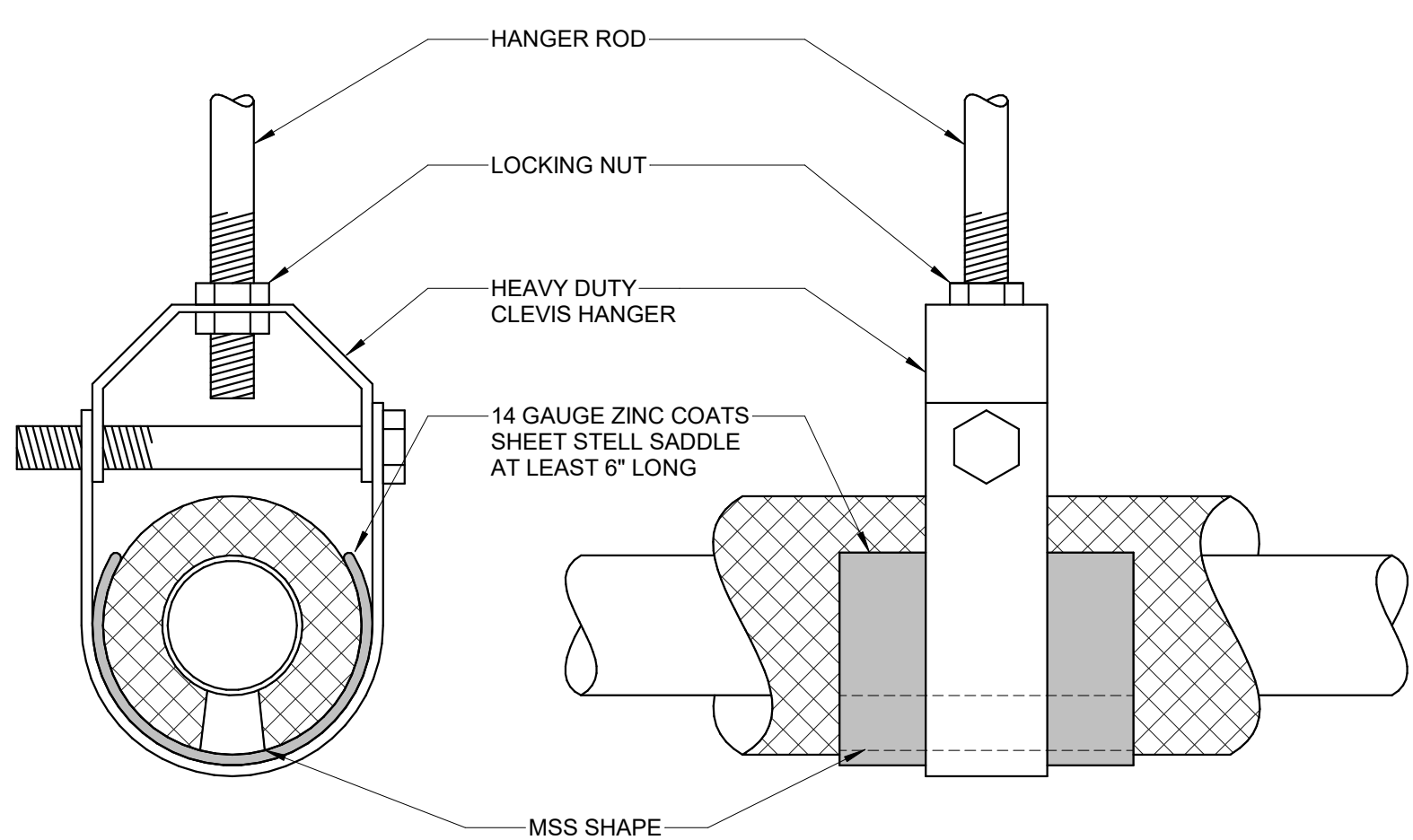
**4 PUMP - VERTICAL INLINE TYPICAL DETAIL**  
M002



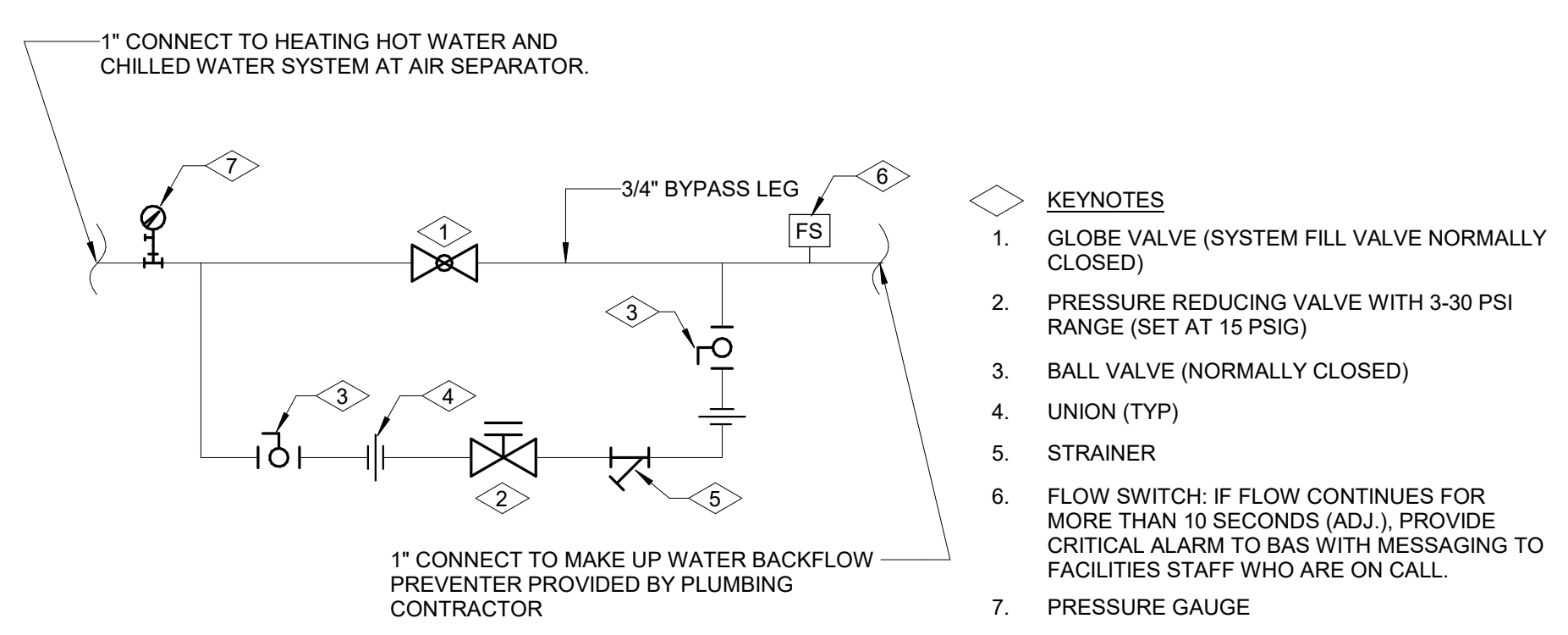
**2 TRANSFER DUCT - ACOUSTIC LINED ELBOW**  
M002



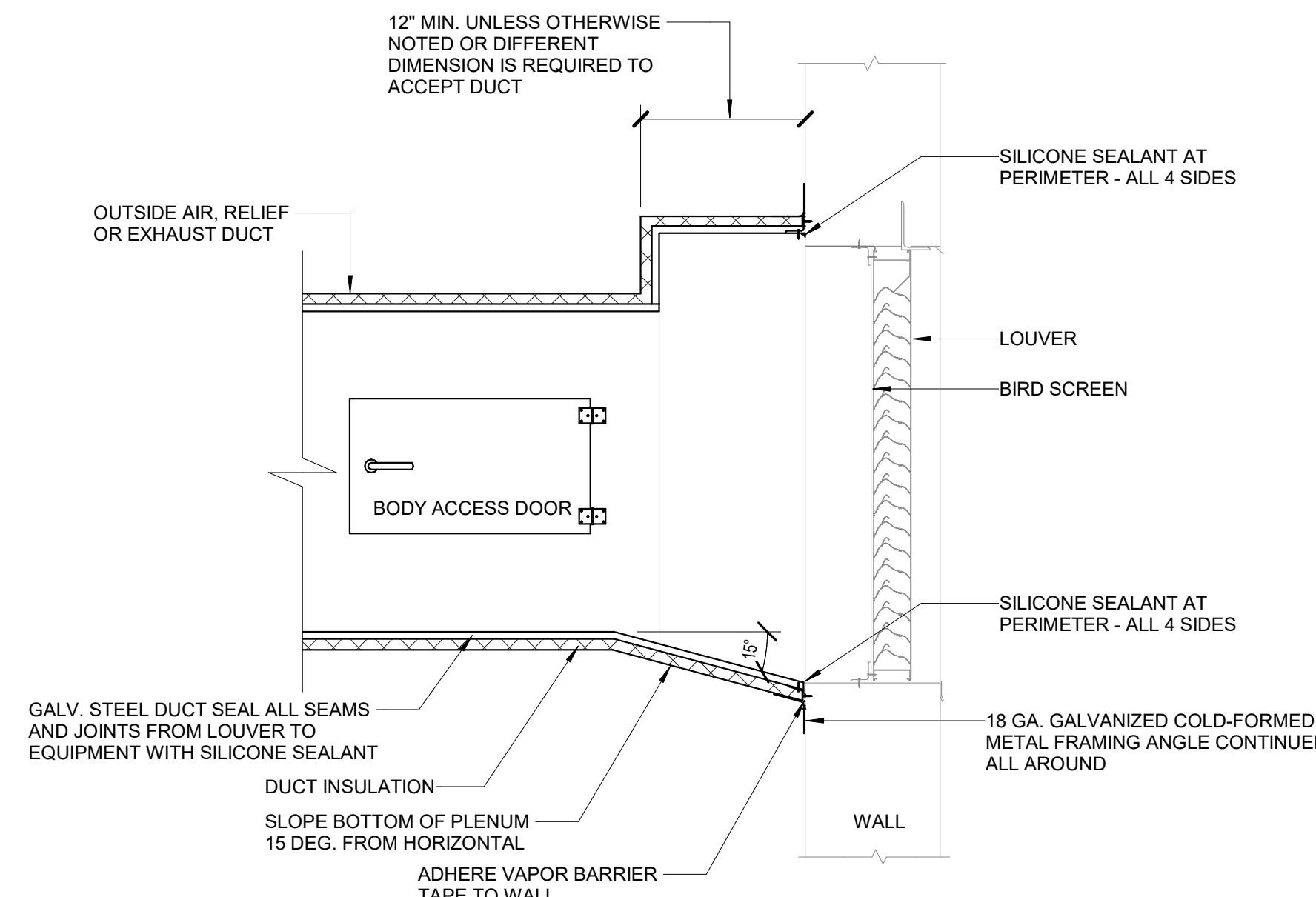
**3 PIPE PENETRATION THROUGH FIRE RATED WALL**  
M002



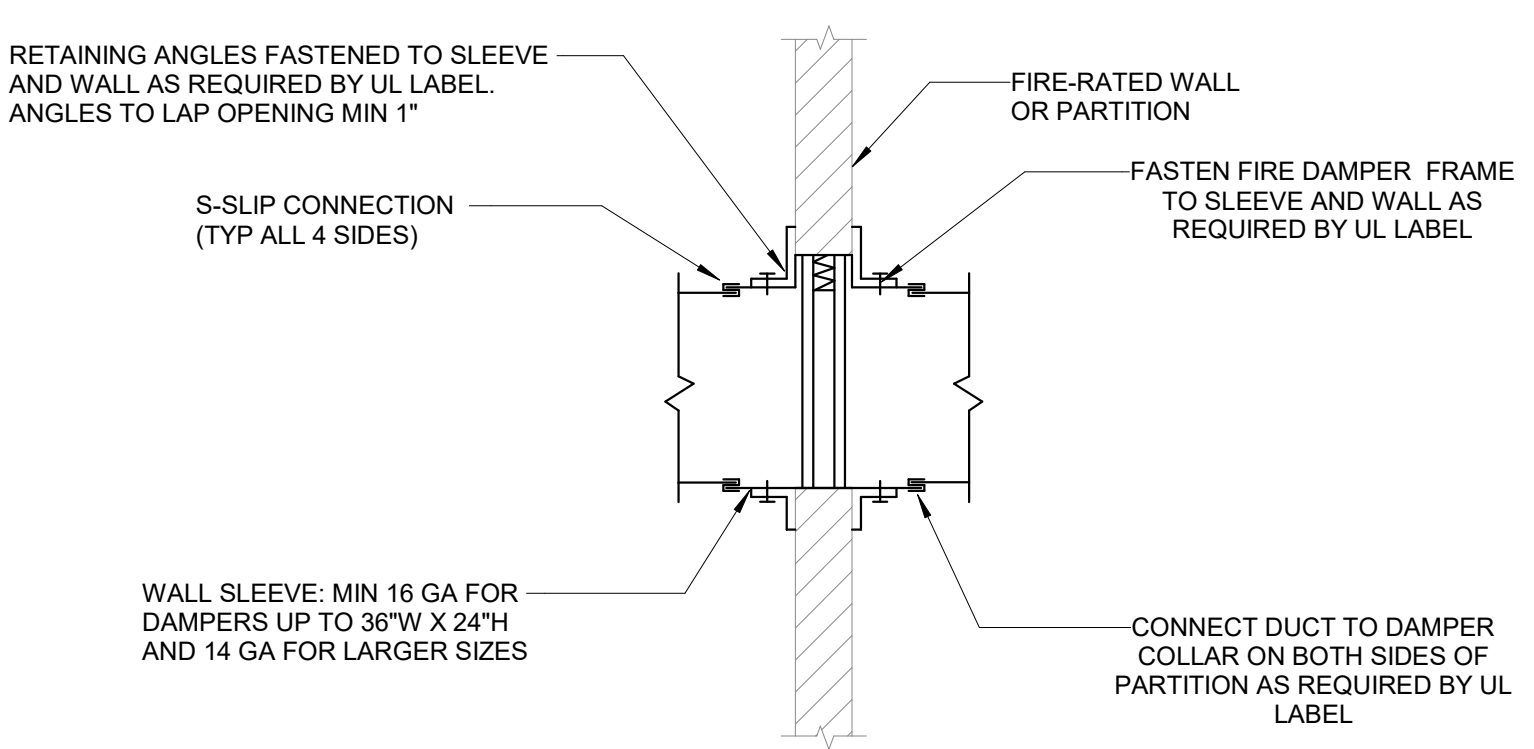
**5 PIPE HANGER (6\"/>M002**



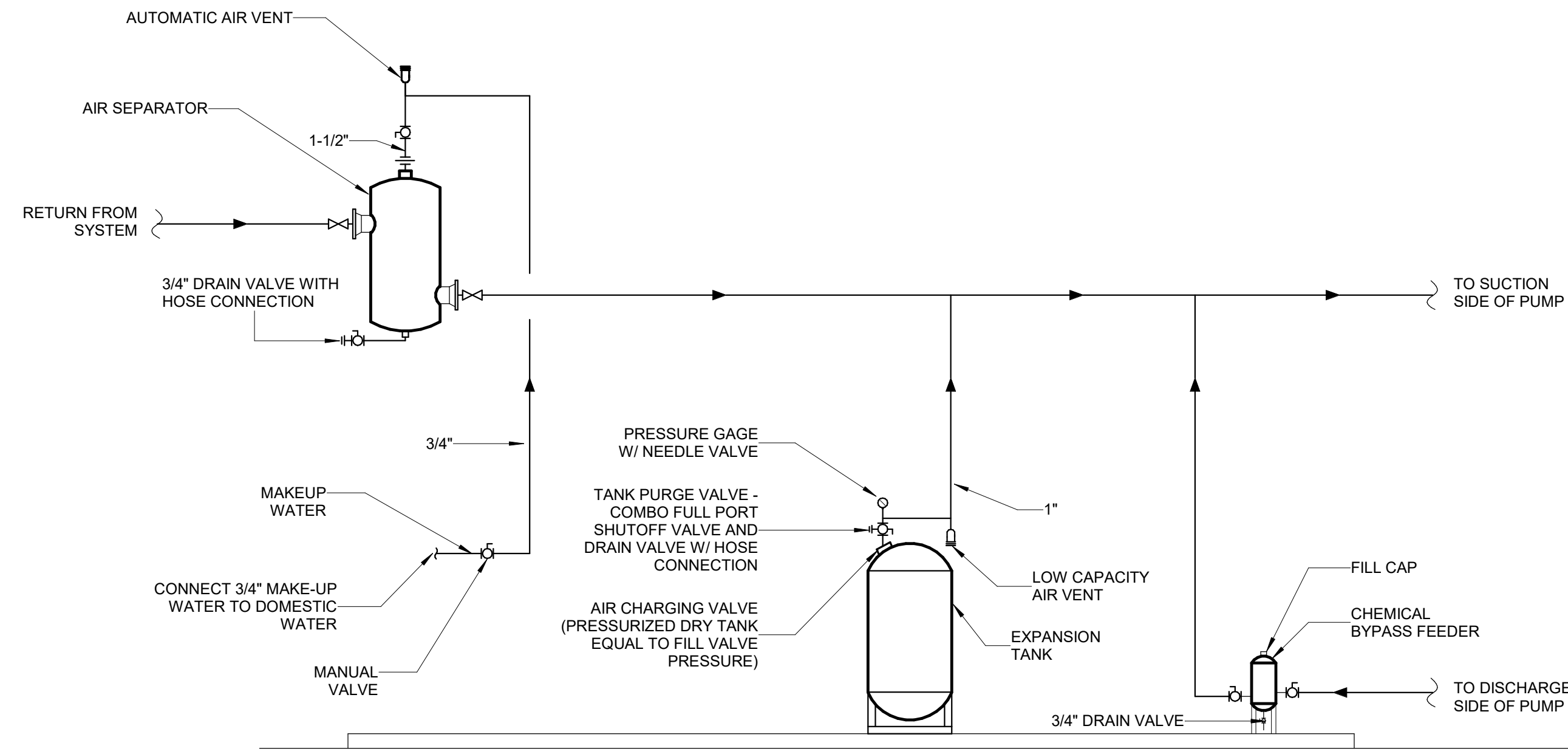
**6 MAKEUP WATER CONNECTION DETAIL**  
M002



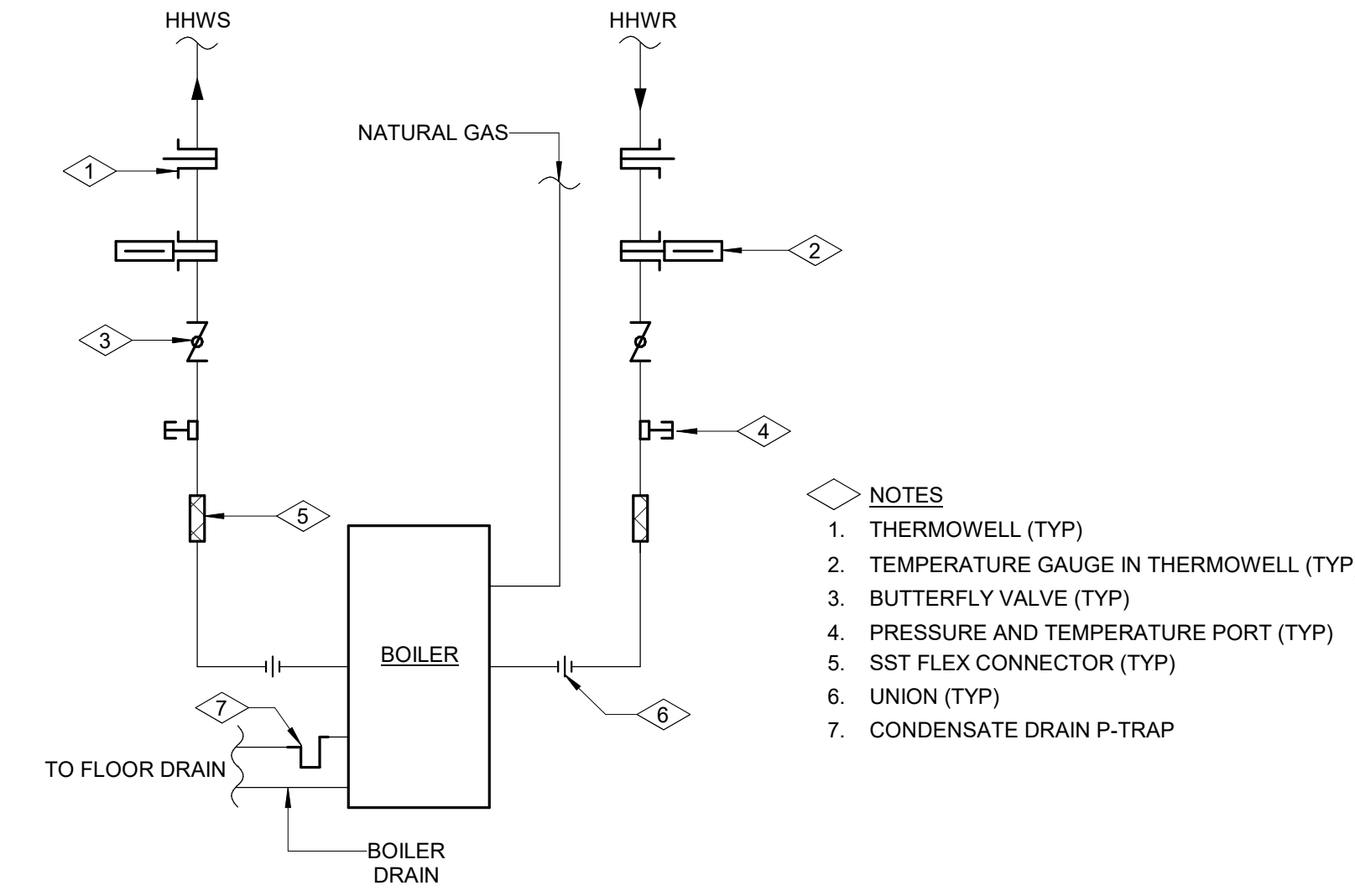
**7 LOUVER DUCTWORK CONNECTION**  
M002



**8 FIRE DAMPER INSTALLATION DETAIL**  
M002



**9 EXP. TANK, AIR SEPARATOR, CHEM. FEEDER DETAIL**  
M002



**10 BOILER PIPING SCHEMATIC TYPICAL**  
M002













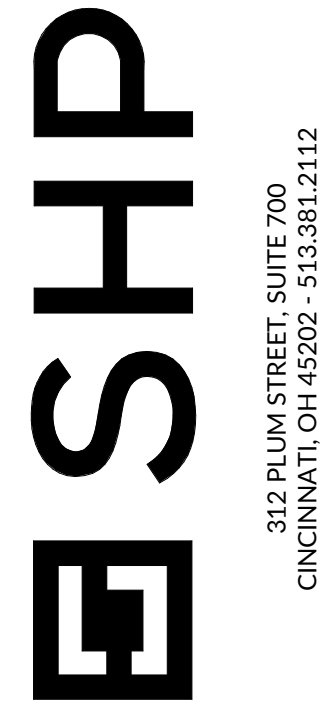




**GENERAL DUCT PLAN NOTES:**

- A. DUCTS SERVING DIFFUSERS AND GRILLES ARE TO BE THE SAME SIZE AS DIFFUSER NECK SIZE OR GRILLE FACE UNLESS NOTED OTHERWISE.
- B. DO NOT ROUTE DUCTWORK OVER ELECTRICAL EQUIPMENT.
- C. PROVIDE VOLUME CONTROL DAMPERS IN RUN-OUT DUCT TO ALL SUPPLY AIR DEVICES.
- D. FOR ALL SALVAGED THERMOSTATS, RELOCATE BY THE DOOR TO THE CORRIDOR AND EXTEND WIRING AS REQUIRED.

**KEYNOTES**



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
3242 BANNING ROAD, CINCINNATI, OH, 45239

**NORTHWEST LOCAL SCHOOL DISTRICT**  
3240 BANNING ROAD, CINCINNATI, OH 45239

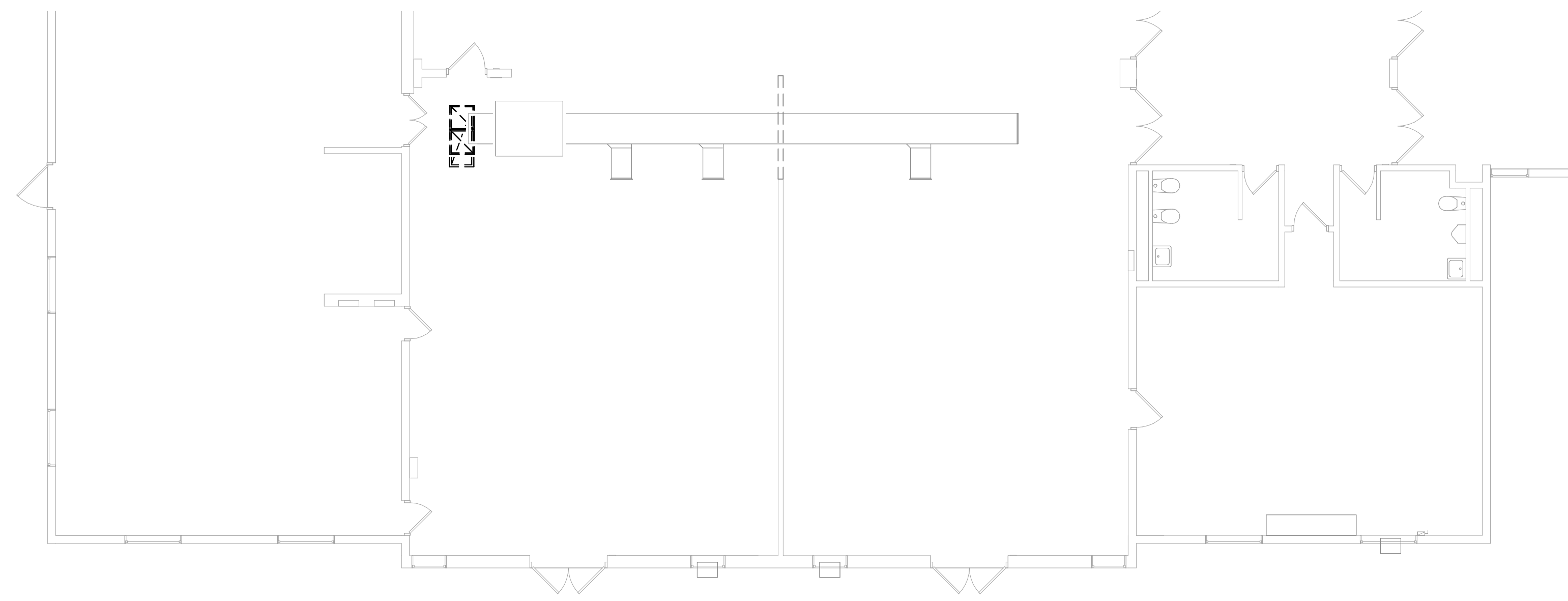
**ISSUANCES**

06-24-24 PERMIT SET

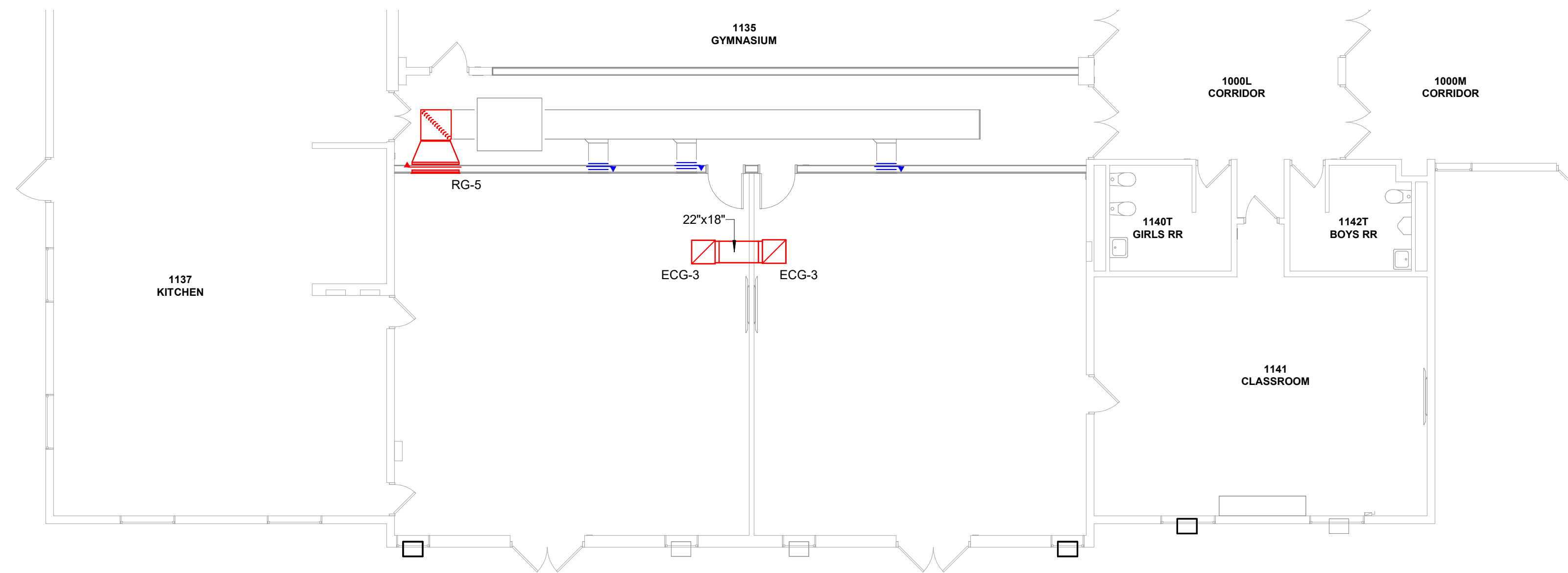
**MECHANICAL  
ALTERNATE  
PLANS**

COMM NO. 2024081.01

**M500**



**2** FIRST FLOOR DUCTWORK DEMO PLAN - ALTERNATE  
M500 1/8" = 1'-0"



**1** FIRST FLOOR DUCTWORK PLAN - ALTERNATE  
M500 1/8" = 1'-0"



**WIRING METHODS SCHEDULE**

APPLICATION	LOCATION	ALLOWABLE CONDUIT AND RACEWAY TYPE	OUTLET BOXES	CONDUIT BODIES	ENCLOSURE TYPE	FASTENERS/SUPPORTS	CONDUIT AND RACEWAY NOTES:	
INTERIOR APPLICATIONS	CONCEALED	CMU WALLS	EMT	STEEL METAL	CAST ALUMINIUM	NEMA 1	ZINC PLATED	-MINIMUM SIZE 3/4" C
		METAL STUD PARTITIONS	EMT AND MC CABLE					
		ABOVE ACCESSIBLE CEILINGS	EMT					
		CONNECTIONS BETWEEN LIGHT FIXTURES ABOVE ACCESSIBLE CEILINGS	MC CABLE					
EXPOSED	FINISHED SPACES (SEE NOTE A) UNFINISHED SPACES (SEE NOTE A)	SURFACE RACEWAY	STEEL METAL	CAST ALUMINIUM	NEMA 1	ZINC PLATED	-MINIMUM SIZE 3/4" C	
		EMT						
		FMC (PLENUMS)						
		LFCM (NON-PLENUMS)						
BELOW GRADE	FEEDERS BRANCH CIRCUITS	RNC						
		RNC						
ABOVE GRADE	FINAL CONNECTION TO MOTORIZED EQUIPMENT ALL OTHER LOCATIONS	LFCM	GALVANIZED MALLEABLE IRON	GALVANIZED MALLEABLE IRON	NEMA 3R	GALVANIZED	-CONDUIT SHALL ENTER FROM SIDE OR BOTTOM WHERE PRACTICAL. -PROVIDE WATERTIGHT HUBS FOR CONDUIT CONNECTION.	
		IMC AND RSC						

**NOTES**

- A) UNFINISHED SPACES INCLUDE DEDICATED MECHANICAL, ELECTRICAL, TECHNOLOGY ROOMS ONLY. UNLESS OTHERWISE INDICATED ON DRAWINGS, TREAT ALL OTHER SPACES AS FINISHED SPACES.
- B) CONDUITS FOR FEEDERS WHICH ARE SCHEDULED FOR UNDER SLAB INSTALLATION SHALL BE LOCATED A MINIMUM OF 2' BELOW FINISHED FLOOR. COORDINATE WITH ALL OTHER DISCIPLINES.
- C) CONDUITS FOR BRANCH CIRCUITS NOT PERMITTED UNDER SLAB, UNLESS OTHERWISE INDICATED ON DRAWINGS.

**CONDUCTOR AND CONDUIT COLOR CODING**

APPLICATION	COLOR
PHASE A CONDUCTOR	BLACK (240V)
PHASE B CONDUCTOR	RED (240V)
PHASE C CONDUCTOR	BLUE (240V)
NEUTRAL CONDUCTOR	WHITE (120V)
GROUND CONDUCTOR	GREEN
CONTROL CONDUCTOR, 120V	RED
CONTROL CONDUCTOR, NEU	WHITE
CONTROL CONDUCTOR, 24V	BLUE
CONTROL CONDUCTOR, EXTERNAL SOURCE	YELLOW

**ABBREVIATIONS:**

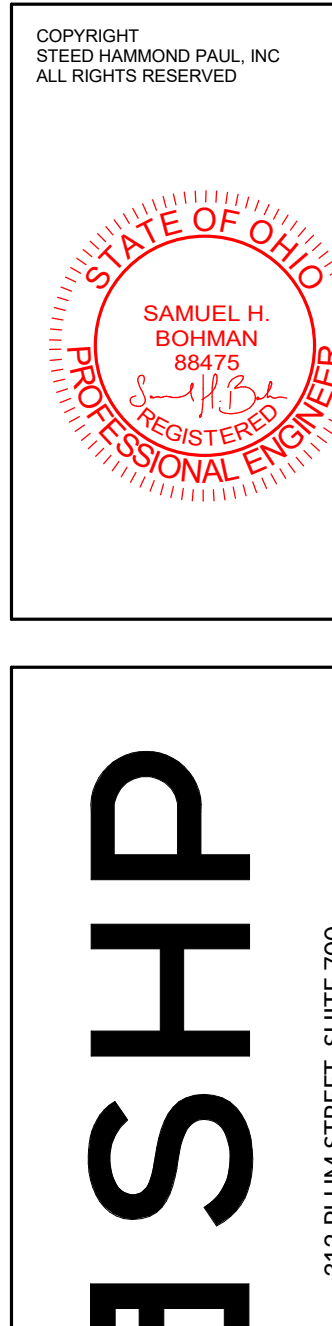
- CA CAST ALUMINIUM
- EMT ELECTRICAL METALLIC TUBING
- FMC FLEXIBLE METALLIC CONDUIT
- GALV GALVANIZED
- GMI GALVANIZED MALLEABLE IRON
- IMC INTERMEDIATE METAL CONDUIT
- LFCM LIQUID TIGHT FLEXIBLE METALLIC CONDUIT
- MC METAL CLAD CABLE
- PVC 40 POLYVINYL CHLORIDE, SCHEDULE 40
- RNC RIGID NONMETALLIC CONDUIT
- RSC RIGID STEEL CONDUIT
- SM SHEET METAL
- ZP ZINC PLATED

**DRAFTING SYMBOL LEGEND**

SYMBOL	DESCRIPTION
(X)	DRAWING KEY NOTE ONLY NOTES THAT APPLY APPEAR ON EACH SHEET. KEY NOTE NUMBERS ARE CONSISTENT FROM SHEET TO SHEET, AND THEREFORE MAY NOT APPEAR IN NUMERICAL ORDER.
2 E501	DETAIL CALLOUT REFER TO DETAIL 2 ON SHEET E501

**26-ELECTRICAL SHEET LIST**

SHEET NUMBER	SHEET NAME
E001	ELECTRICAL LEGENDS
E002	ELECTRICAL LEGENDS
E010	ELECTRICAL DEMOLITION PLAN
E100	ELECTRICAL LIGHTING PLAN
E200	ELECTRICAL POWER PLAN
E300	ELECTRICAL FIRE ALARM PLAN
E530	ELECTRICAL ALTERNATE PLANS



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
 3242 BANNING ROAD, CINCINNATI, OH, 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
 3240 BANNING ROAD, CINCINNATI, OH 45239

**ISSUANCES**

DATE	DESCRIPTION
06-24-24	PERMIT SET

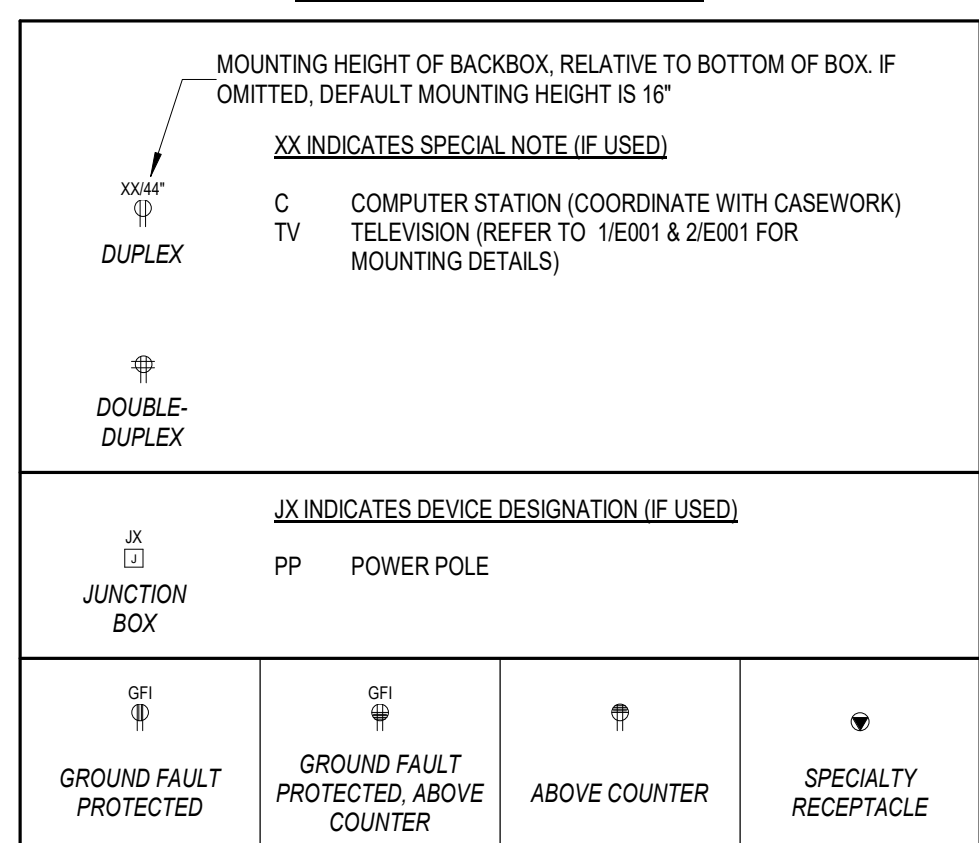
**ELECTRICAL LEGENDS**

COMM NO. 2024081.01

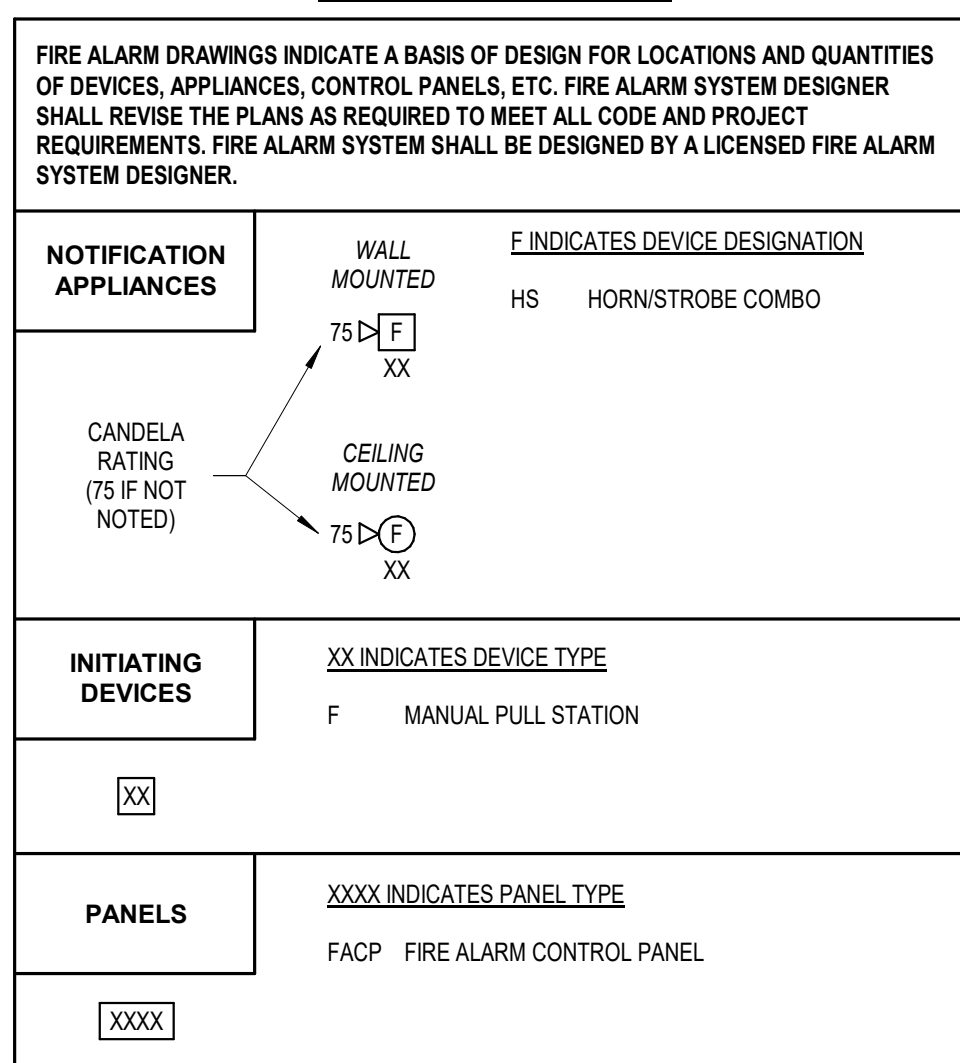
**E001**

SCALE REFERENCE LINE

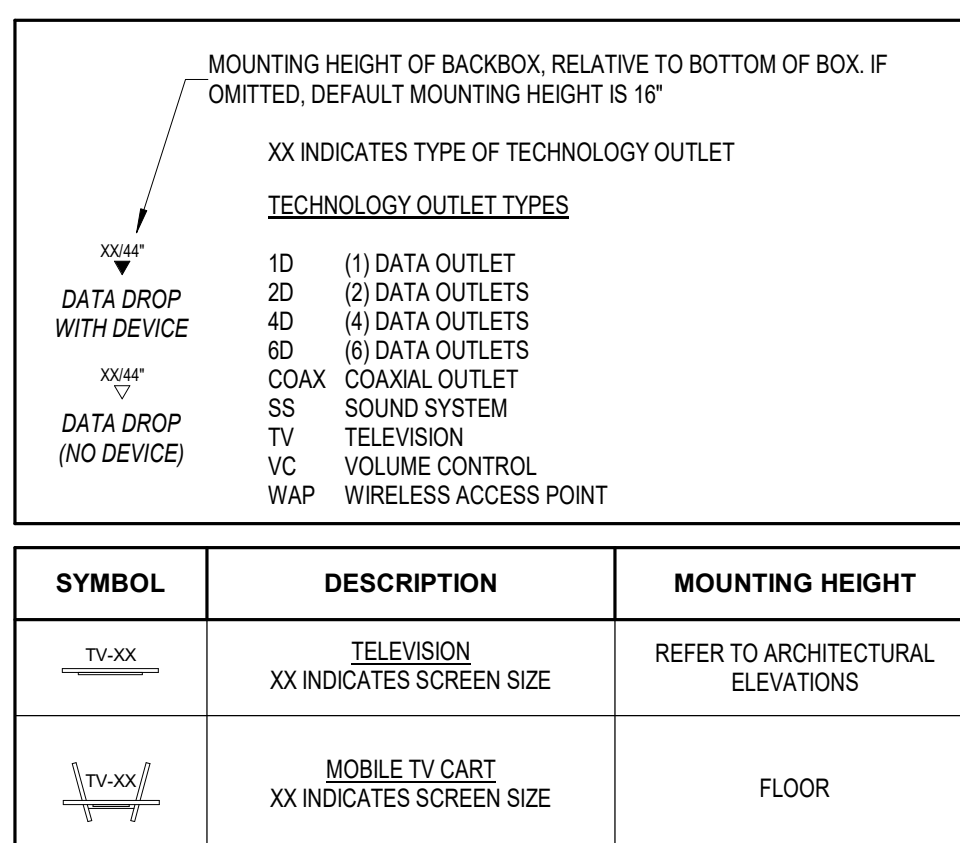
**WIRING DEVICE LEGEND**



**FIRE ALARM LEGEND**



**TECHNOLOGY SYMBOL LEGEND**



**ACCESS CONTROL SYMBOL LEGEND**

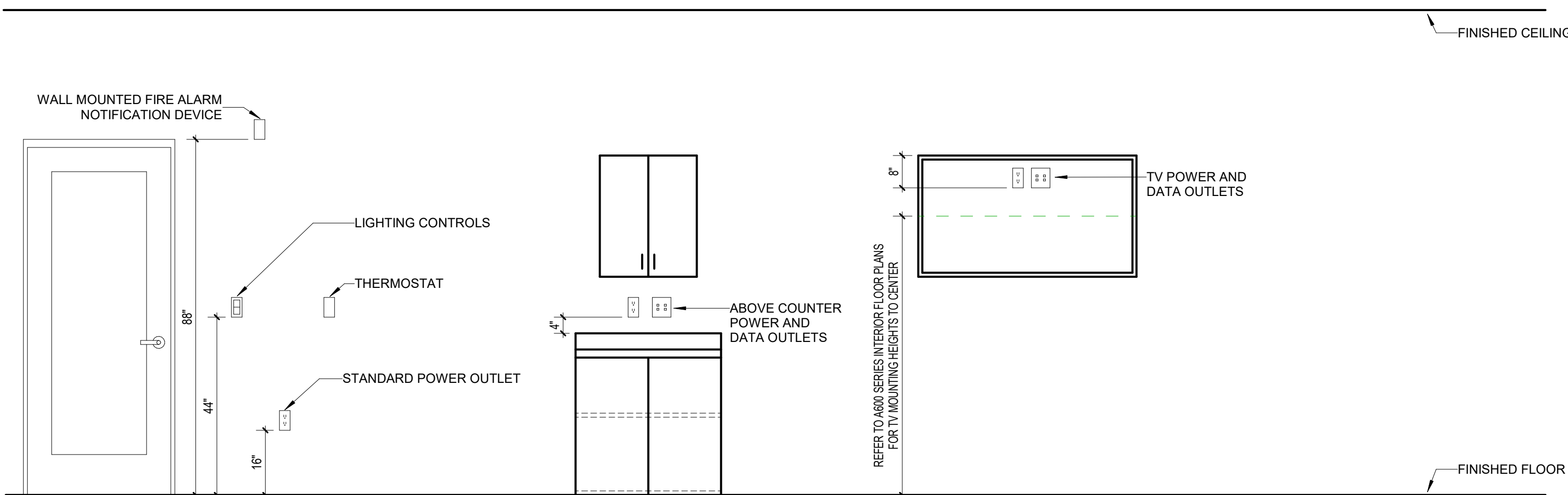
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
(CB)	CALL BUTTON	WALL MOUNTED
(MD)	MOTION DETECTOR	WALL MOUNTED

**COMMUNICATION SYMBOL LEGEND**

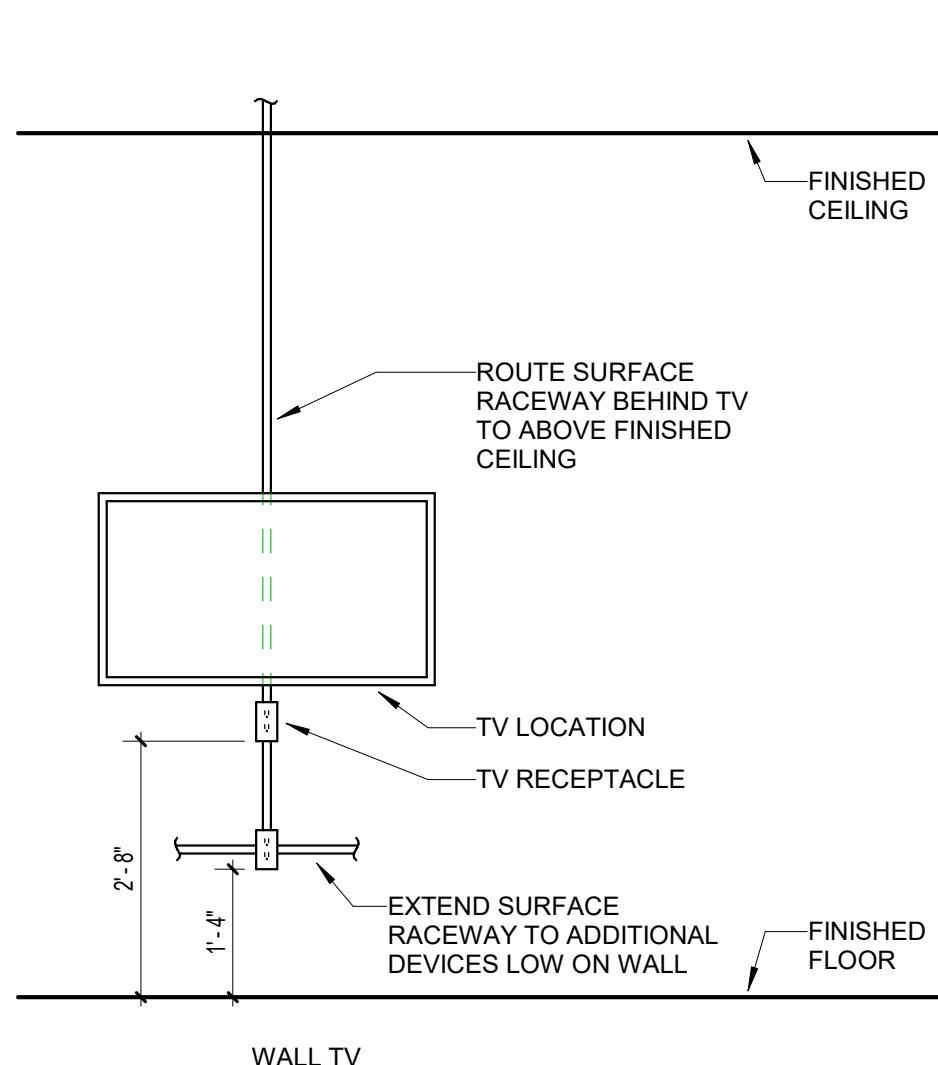
SYMBOL	DESCRIPTION	MOUNTING HEIGHT
(CS)	CLASSROOM SOUND SYSTEM	CEILING MOUNTED
(PA)	PUBLIC ADDRESS SPEAKER	CEILING MOUNTED
(PA)	PUBLIC ADDRESS SPEAKER	WALL MOUNTED 18" AFF. UNO.

**ABBREVIATION LEGEND**

COMMON ELECTRICAL ABBREVIATIONS AND NOTATIONS	
AFF	ABOVE FINISHED FLOOR
AHU	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALUMINIUM
ALT	ALTERNATE
BAS	BUILDING AUTOMATION SYSTEM
BM	BRANCH METER
C	CONDUIT
CB	CIRCUIT BREAKER
CD	CANDELA
CM	CONSTRUCTION MANAGER
CU	COPPER
DS	DISCONNECT SWITCH
EC	ELECTRICAL CONTRACTOR
ED	EXISTING TO BE DEMOLISHED
EGC	EQUIPMENT GROUNDING CONDUCTOR
EM	EMERGENCY
EPO	EMERGENCY POWER OFF
ER	EXISTING TO REMAIN
ERL	EXISTING TO BE RELOCATED
FC	FOOTCANDLE
GC	GENERAL CONTRACTOR
GEC	GROUNDING ELECTRODE CONDUCTOR
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GND	GROUND
HP	HORSEPOWER
LOD	LOCK OUT DEVICE CAPABLE
LFP	LUMENS PER FOOT
LTS	LIGHTS
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
MRTS	MOTOR RATED TOGGLE SWITCH
OC	ON CENTER
OCPD	OVERCURRENT PROTECTIVE DEVICE
OM	OWNER'S METER
SE	SERVICE ENTRANCE
TR	TECHNOLOGY RACK
TYS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UM	UTILITY METER
UT	UTILITY TRANSFORMER
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE



**1**  
E001 TYPICAL DEVICE MOUNTING LOCATION



**2**  
E001 TV OUTLET MOUNTING DETAIL

**GENERAL DEVICE MOUNTING NOTES:**

- A. EC SHALL REFER TO A600-SERIES DRAWINGS, A640-SERIES ELEVATIONS, AND F-SERIES DRAWINGS FOR ALL CASEWORK AND FURNITURE COORDINATION REQUIREMENTS. WHERE CUTOUTS IN CASEWORK ARE REQUIRED, EC SHALL COORDINATE EXACT LOCATION WITH CASEWORK PROVIDER.
- B. MOUNTING HEIGHTS FOR RECESSED J-BOXES INSTALLED IN CMU WALLS SHALL BE COORDINATED TO ALIGN WITH THE TOP EDGE OR BOTTOM EDGE OF THE BLOCK.
- C. J-BOX LOCATIONS THAT SHIFT TO ALIGN WITH A CMU BLOCK SHALL BE INSTALLED NO CLOSER THAN 4" TO THE TOP OF A COUNTER OR BACKPLASH AS SHOWN.
- D. J-BOX LOCATIONS THAT SHIFT TO ALIGN WITH A CMU BLOCK SHALL BE COORDINATED TO NOT CONFLICT WITH CASEWORK INSTALLATION.

**GENERAL NOTES: - APPLIES TO ALL ELECTRICAL DRAWINGS**

- A. EC SHALL BE RESPONSIBLE TO INSTALL A SWITCH BOX AND 3/4" CONDUIT TO ABOVE THE CEILING IN EACH ROOM FOR TEMPERATURE CONTROL THERMOSTAT. REFER TO THE MECHANICAL DRAWINGS FOR LOCATIONS OF THESE DEVICES.
- B. EC MAY COMBINE MULTIPLE CIRCUITS INTO HOME RUNS. NO MORE THAN 3 CIRCUITS SHALL BE IN EACH HOME RUN CONDUIT, AND THE WIRE MUST BE DERATED IN ACCORDANCE WITH NEC. THESE CIRCUITS SHALL BE REQUIRED TO BE ON SEPARATE PHASES (A,B,C).
- C. EC SHALL UPSIZE WIRE IN LONG RUNS ACCORDING TO THE WIRE SIZING TABLE SHOWN BELOW:
 

WIRE SIZING CHART				
RUN LENGTH	277V	20A	30A	40A
000-100'	000-200'	12	10	8
101-150'	201-300'	10	8	6
151-200'	301-450'	8	6	4
- D. WHERE ELECTRICAL LOAD ON A CIRCUIT IS OVER 20 AMPERES, EACH CIRCUIT SHALL BE RUN IN A SEPARATE CONDUIT TO THE PANELBOARD.
- E. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL. EC SHALL NOT SHARE NEUTRALS FOR MULTI-WIRE BRANCH CIRCUITS.
- F. ALL VAV BOXES, EXHAUST FANS, MOTORS, MISC. HVAC EQUIPMENT, APPLIANCES, ETC. INDICATED ON THESE DRAWINGS SHALL HAVE A MOTOR RATED SWITCH LOCATED NEAR THE MOTOR FOR SERVICING. PROVIDE DISCONNECTING MEANS AS REQUIRED BY THE NEC.
- G. HEIGHT DIMENSIONS SHOWN ON THIS PLAN ARE MEASURED FROM THE BOTTOM OF THE DEVICE. HORIZONTAL DIMENSIONS ARE MEASURED TO THE CENTER OF THE DEVICE OR GROUP OF DEVICES WHICH THE DIMENSION PERTAINS TO.
- H. GROUPINGS OF DEVICES LOCATED ON THE SAME WALL AT THE SAME ELEVATION SHALL BE PLACED SO THAT THE HORIZONTAL DISTANCE BETWEEN DEVICES IS NO GREATER THAN 4". PROVIDE ADDITIONAL SUPPORTS AS REQUIRED.
- I. FOR LIGHT FIXTURE MOUNTING DETAILS, SEE LIGHTING FIXTURE SCHEDULE, ON SHEET E002.
- J. CONTRACTOR SHALL REVIEW EACH SUBMITTAL AND CHECK FOR COORDINATION WITH OTHER WORK OF THE CONTRACT AND FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR ANY CHANGES TO PRICE AND SCHEDULE AFFECTING ANY TRADE RESULTING FROM USE OF NON-BASIS OF DESIGN EQUIPMENT.
- K. ALL NEW ELECTRICAL AND FIRE ALARM WORK SHALL ADHERE TO THE 2024 OHIO BUILDING CODE, 2023 NEC, AND NFPA 72.









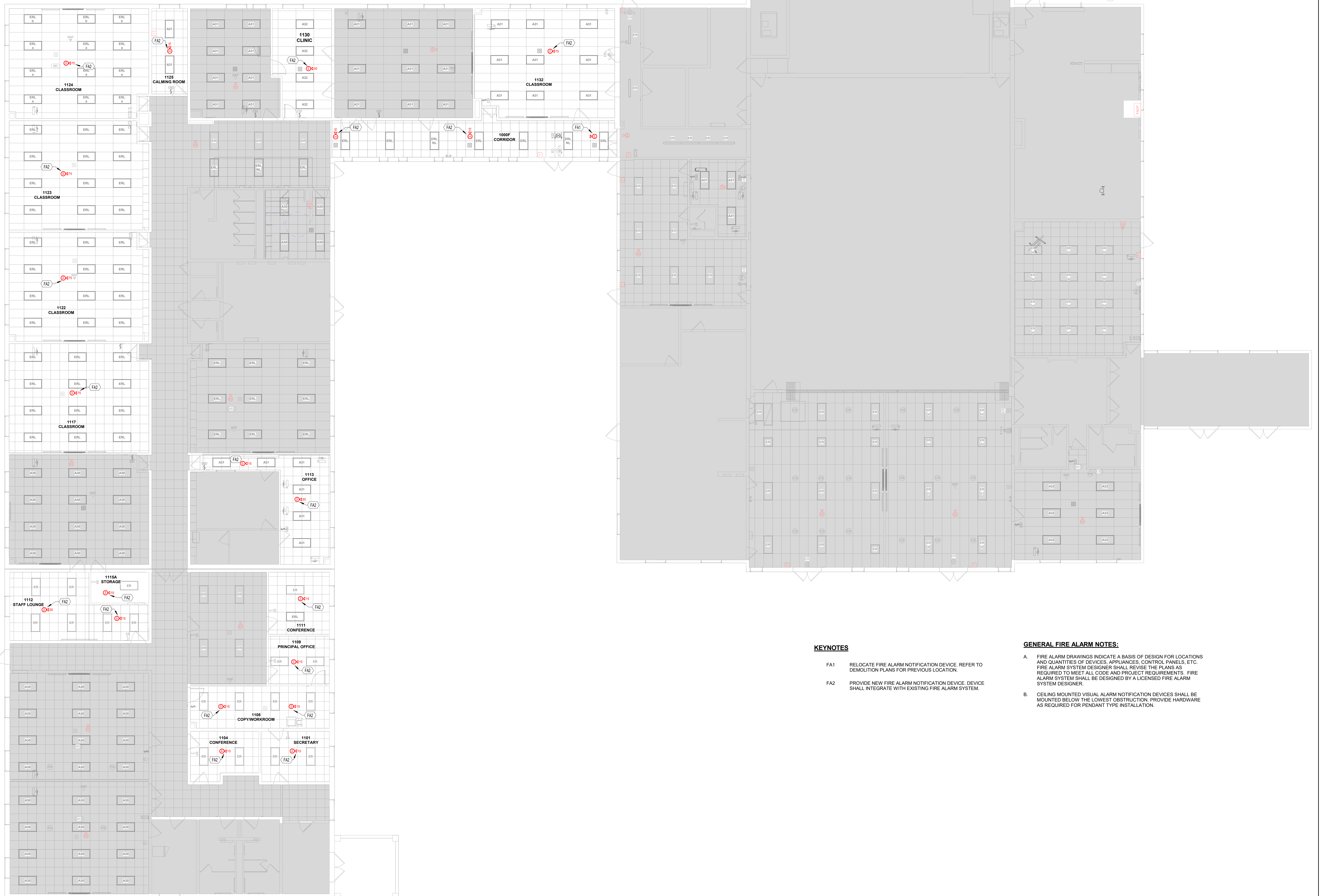












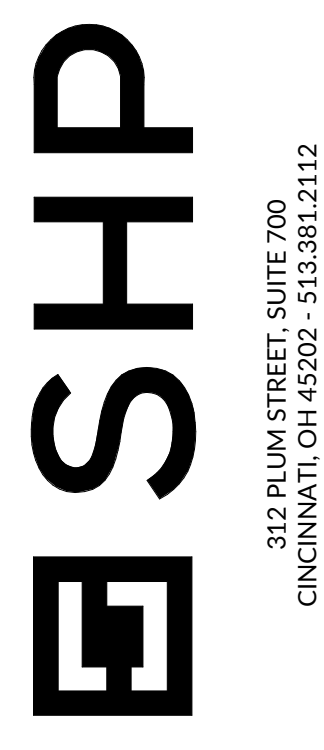
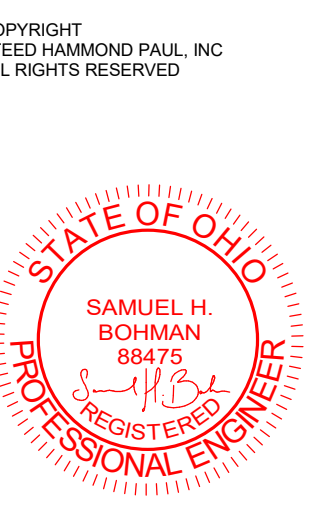
**KEYNOTES**

- FA1 RELOCATE FIRE ALARM NOTIFICATION DEVICE. REFER TO DEMOLITION PLANS FOR PREVIOUS LOCATION.
- FA2 PROVIDE NEW FIRE ALARM NOTIFICATION DEVICE. DEVICE SHALL INTEGRATE WITH EXISTING FIRE ALARM SYSTEM.

**GENERAL FIRE ALARM NOTES:**

- A. FIRE ALARM DRAWINGS INDICATE A BASIS OF DESIGN FOR LOCATIONS AND QUANTITIES OF DEVICES, APPLIANCES, CONTROL PANELS, ETC. FIRE ALARM SYSTEM DESIGNER SHALL REVISE THE PLANS AS REQUIRED TO MEET ALL CODE AND PROJECT REQUIREMENTS. FIRE ALARM SYSTEM SHALL BE DESIGNED BY A LICENSED FIRE ALARM SYSTEM DESIGNER.
- B. CEILING MOUNTED VISUAL ALARM NOTIFICATION DEVICES SHALL BE MOUNTED BELOW THE LOWEST OBSTRUCTION. PROVIDE HARDWARE AS REQUIRED FOR PENDANT TYPE INSTALLATION.


**1** FIRST FLOOR FIRE ALARM PLAN  
 E300 1/8" = 1'-0"



**ALTERATIONS TO WEIGEL ELEM SCHOOL**  
 3242 BANNING ROAD, CINCINNATI, OH, 45239  
**NORTHWEST LOCAL SCHOOL DISTRICT**  
 3240 BANNING ROAD, CINCINNATI, OH 45239

**ISSUANCES**

DATE	DESCRIPTION
06-24-24	PERMIT SET

**ELECTRICAL FIRE ALARM PLAN**



