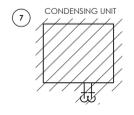


HVAC SYMBOLS LIST

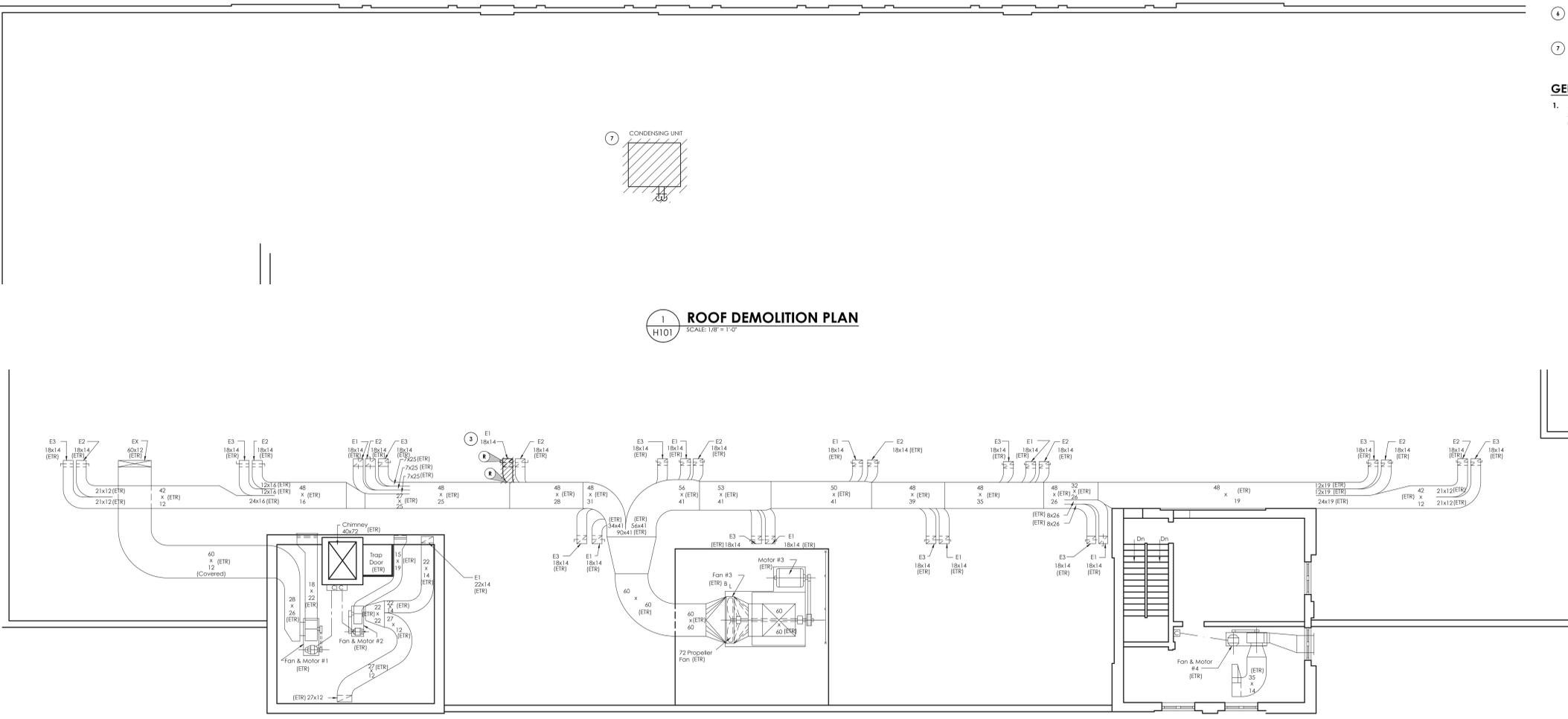
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
AAD	AUTOMATIC AIR DAMPER		CONNECTION - TOP		DOUBLE WALL LINED DUCT		SUPPLY / RETURN / EXHAUST AIR TAKEOFFS		ELECTRIC/PNEUMATIC SWITCH OR RELAY
ACC	AIR-COOLED CONDENSING UNIT		CONNECTION - BOTTOM		DUCT SECTION - SUPPLY		DUCT SECTION - RETURN/EXHAUST		PNEUMATIC/ELECTRIC SWITCH OR RELAY
AD	ACCESS DOOR		DIRECTION OF FLOW		DUCT SECTION - ROUND DUCT IN INCHES		DUCT SECTION - FLAT OVAL DUCT IN INCHES		CURRENT TRANSDUCER
AFF	ABOVE FINISHED FLOOR		REDUCER		ACOUSTIC THERMAL LINING		FLEXIBLE DUCTWORK		OPEN/CLOSED
AHU	AIR HANDLING UNIT		CAP OR PLUG		FLEXIBLE CONNECTION		FIRE DAMPER		START/STOP
BBD	BOILER BLOW DOWN		ELBOW DOWN		GATE VALVE		SMOKE DAMPER		ENABLE/DISABLE
BD	BACKDRAFT DAMPER		ELBOW UP		BALL VALVE		COMBINATION FIRE AND SMOKE DAMPER		START/STOP
CA	COMPRESSED AIR		TEE OUTLET - UP		BALANCING VALVE		VOLUME DAMPER		FLOW TRANSMITTER
CD	COOLING COIL CONDENSATE DRAIN		TEE OUTLET - DOWN		STRAINER		DAMPER CONTROL, PARALLEL BLADE		PRESSURE TRANSMITTER
CFM	CUBIC FEET PER MINUTE		UNION		DAMPER CONTROL, OPPOSED BLADE		GLOBE VALVE		DIFFERENTIAL PRESSURE TRANSMITTER
CHWR	CHILLED WATER RETURN		FIRE DAMPER		AUTOMATIC AIR DAMPER		CHECK VALVE		ELECTRIC/PNEUMATIC TRANSDUCER
CHWS	CHILLED WATER SUPPLY		GATE VALVE		TRIPLE DUTY VALVE		GAS COCK, PLUG VALVE		ELECTRIC/ELECTRONIC TRANSDUCER
CR	CONDENSER WATER RETURN		BALL VALVE		UNDERCUT DOOR 1"		LOUVERED DOOR W/ SQ. FT. OF FREE AREA		DUCT SMOKE DETECTOR
CS	CONDENSER WATER SUPPLY		STRAINER		AIR VENT - MANUAL		AIR VENT - AUTOMATIC		SPACE THERMOSTAT
CW	DOMESTIC COLD WATER		STRAINER WITH BLOW-DOWN		FLANGE		MULTI-BLADE AIR EXTRACTOR		SPACE TEMPERATURE SENSOR
D	DRAIN		BUTTERFLY VALVE		AIR DUCT (FIRST FIGURE IS DUCT WIDTH/TOP, SECOND FIGURE IS DUCT DEPTH)		TURNING VANES		SPACE CARBON DIOXIDE SENSOR
(E)	EXISTING		BUTTERFLY CONTROL VALVE, PNEUMATIC 2-WAY		LONG RADIUS 90° ELBOW R/W=1.5		LONG RADIUS 45° ELBOW R/W=1.5		SPACE NATURAL GAS SENSOR
EA	EXHAUST AIR		BUTTERFLY CONTROL VALVE, ELECTRIC ACTUATOR		90° ELBOW WITH TURNING VANES		90° VERTICAL SPLIT OFF (PLAN VIEW)		SPACE CARBON MONOXIDE SENSOR
EC	ELECTRICAL CONTRACTOR		GLOBE VALVE		DUCT TURNING UP OR DOWN		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		SPACE SENSOR WITH GUARD
EF	EXHAUST FAN		CHECK VALVE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		SPACE HUMIDISTAT
ERHC	ELECTRIC REHEAT COIL		TRIPLE DUTY VALVE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		WATER FLOW SENSOR
ETR	EXISTING TO REMAIN		GAS COCK, PLUG VALVE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		PNEUMATIC ACTUATOR
EUH	ELECTRIC UNIT HEATER		UNDERCUT DOOR 1"		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		ELECTRIC ACTUATOR
F&T	FLOAT AND THERMOSTATIC TRAP		LOUVERED DOOR W/ SQ. FT. OF FREE AREA		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		VARIABLE SPEED / FREQUENCY DRIVE
FCU	FAN-COIL UNIT		AIR VENT - MANUAL		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		COOLING COIL
FFM	FEET PER MINUTE		AIR VENT - AUTOMATIC		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		HEATING COIL
FT	FIN-TUBE		FLANGE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		GAS FURNACE
GC	GENERAL CONTRACTOR		MULTI-BLADE AIR EXTRACTOR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		HUMIDIFIER
GR	GLYCOL RETURN		TURNING VANES		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		ALARM
GS	GLYCOL SUPPLY		LONG RADIUS 90° ELBOW R/W=1.5		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		STATUS
HC	HVAC CONTRACTOR		LONG RADIUS 45° ELBOW R/W=1.5		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		FLOW SWITCH
HHWR	HEATING HOT WATER RETURN		90° ELBOW WITH TURNING VANES		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		DIFFERENTIAL STATIC PRESSURE SWITCH
HHWS	HEATING HOT WATER SUPPLY		90° VERTICAL SPLIT OFF (PLAN VIEW)		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		RELAY
HP	HEAT PUMP		DUCT TURNING UP OR DOWN		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		PRESSURE GAUGE
HPC	HIGH PRESSURE CONDENSATE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		FREEZE-STAT
HPS	HIGH PRESSURE STEAM		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		DIGITAL INPUT (TO BUILDING MANAGEMENT SYSTEM)
LF	LINEAR FOOTAGE OF FIN-TUBE RADIATION		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		DIGITAL OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
LPC	LOW PRESSURE CONDENSATE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		ANALOG OUTPUT (FROM BUILDING MANAGEMENT SYSTEM)
LPG	LIQUEFIED PROPANE GAS		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		ANALOG INPUT (TO BUILDING MANAGEMENT SYSTEM)
LPS	LOW PRESSURE STEAM		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		ELECTRICAL INTERFACE
MBH	1,000 BTU/HR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		SPEED FEED BACK
MC	MECHANICAL CONTRACTOR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		END SWITCH
MPC	MEDIUM PRESSURE CONDENSATE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		POSITION FEEDBACK
MPS	MEDIUM PRESSURE STEAM		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		TRAVERSE AVERAGING SENSOR
MRD	MONOFLO FITTING DOWN - HHWR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		PROBE SENSOR
MSD	MONOFLO FITTING DOWN - HHWS		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		FREEZE STAT SENSOR
MUW	MAKE-UP WATER		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
NC	NORMALLY CLOSED		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
NG	NATURAL GAS		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
NO	NORMALLY OPEN		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
NTS	NOT TO SCALE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
OA	OUTSIDE AIR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
PC	PUMPING CONTRACTOR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
PD	PUMP DISCHARGE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
PHWR	PRIMARY HEATING HOT WATER RETURN		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
PHWS	PRIMARY HEATING HOT WATER SUPPLY		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RA	RETURN AIR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RD	REFRIGERANT DISCHARGE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RHC	HOT WATER REHEAT COIL		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RLL	REFRIGERANT LIQUID PIPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RSL	REFRIGERANT SUCTION PIPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RTU	ROOFTOP UNIT		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
RV	ROOF VENT		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
SA	SUPPLY AIR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
SHWR	SECONDARY HEATING HOT WATER RETURN		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
SHWS	SECONDARY HEATING HOT WATER SUPPLY		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
SSI	SPLIT SYSTEM INDOOR SECTION (EVAPORATOR SECTION)		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
SSO	SPLIT SYSTEM OUTDOOR SECTION (CONDENSING UNIT)		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
TC	TEMPERATURE CONTROLS CONTRACTOR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
UH	UNIT HEATER		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
UV	UNIT VENTILATOR		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
V	VENT		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
WHP	WATER-TO-AIR HEAT PUMP		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
WWHP	WATER-TO-WATER HEAT PUMP		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
			AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
			AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
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			AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
			AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		
			AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		AIR TERMINAL UNIT-DUCTWORK U-UNIT TYPE		

- KEY NOTES:**
- 1 REMOVE EXISTING GRILLE. ABANDON DUCTWORK. G.C. TO PATCH WALL WITH LIKE CONSTRUCTION.
  - 2 REMOVE EXISTING GRILLE. PREPARE FOR NEW WORK.
  - 3 REMOVE EXISTING DUCTWORK FROM ROOF PENETRATION BACK TO MAIN. PREPARE FOR NEW WORK.
  - 4 REMOVE EXISTING STEAM RADIATOR AND PIPING BACK TO FLOOR. PREPARE FOR NEW WORK.
  - 5 REMOVE EXISTING UNIT VENTILATOR AND PIPING BACK TO FLOOR. G.C. TO SEAL AND INSULATE PENETRATION AT INTERIOR OF BUILDING. PREPARE FOR NEW WORK.
  - 6 REMOVE EXISTING FAN COIL UNIT AND ALL ASSOCIATED DUCTWORK, PIPING AND CONTROLS. REMOVE PIPING UP TO CONDENSER ON ROOF. PREPARE FOR NEW WORK.
  - 7 REMOVE EXISTING CONDENSING UNIT AND ALL ASSOCIATED PIPING, WIRING AND SUPPORTS. PREPARE FOR NEW WORK.

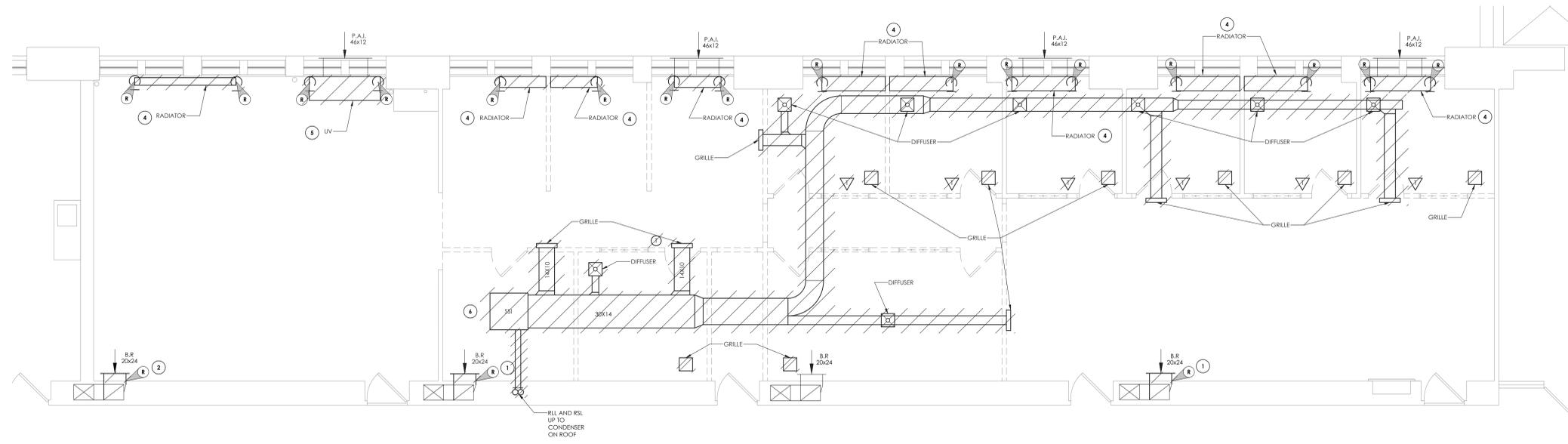
- GENERAL NOTES:**
1. ALL CONTROLS WORK SHALL BE DONE USING THE EXISTING BUILDING MANAGEMENT SYSTEM. CONTACT AUTOMATED CONTROL LOGIC, INC. (ACL) FOR ALL CONTROLS WORK.



**1 ROOF DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



**2 ATTIC DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



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



REVISIONS NO.	DATE	DESCRIPTION

OSSINING UNION FREE SCHOOL DISTRICT  
OSSINING HIGH SCHOOL  
GUIDANCE OFFICE RENOVATIONS  
29 SOUTH HIGHLAND AVENUE, OSSINING, NEW YORK 10562  
SED # 66-14-01-03-0-003-039

DATE	DRAWN	CHECKED
08/31/2020	BKM	AJS
SCALE	AS SHOWN	
SHEET TITLE		
MECHANICAL DEMOLITION PLANS		

PROJECT NUMBER	14428.12
<b>OHS</b>	<b>H101</b>
DRAWING NUMBER	

Plotted By: Arthur Smith

Date last plotted: 12/8/2020 11:24 AM

Date last accessed: 8/31/2020 4:08 PM

Drawing Name: S:\Projects\Ossining\_High\_School\Guidance\_Renov\HSD\H101.dwg

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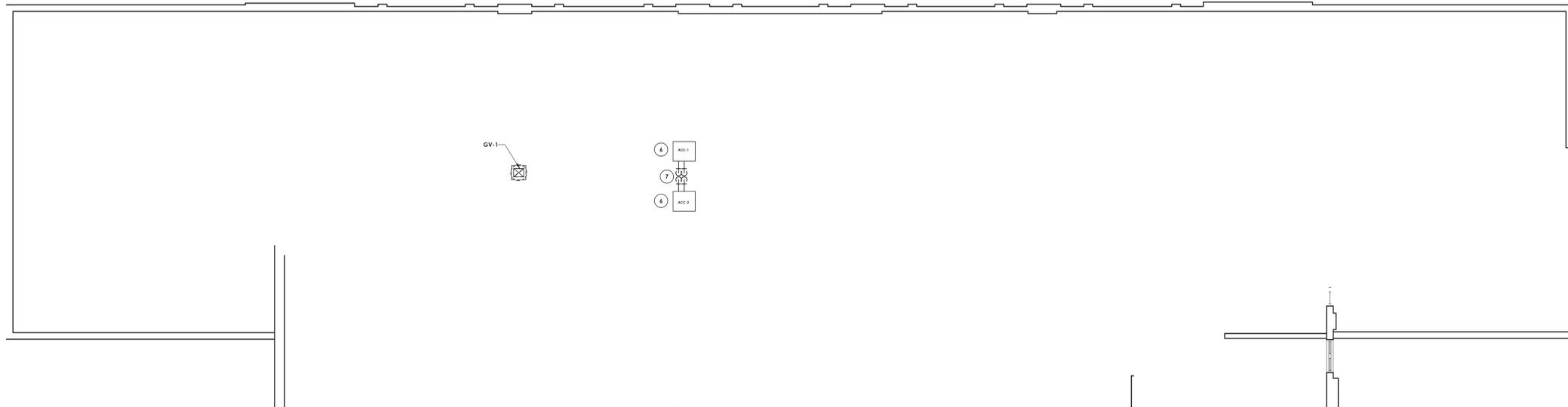
OSSINING UNION FREE SCHOOL DISTRICT  
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GUIDANCE OFFICE RENOVATIONS  
29 SOUTH HIGHLAND AVENUE, OSSINING, NEW YORK 10562  
SED # 66-14-01-03-0-003-039

DATE	DRAWN	CHECKED
08/31/2020	AJS	AJS
SCALE AS SHOWN		
SHEET TITLE		
MECHANICAL DUCTWORK NEW WORK PLANS		

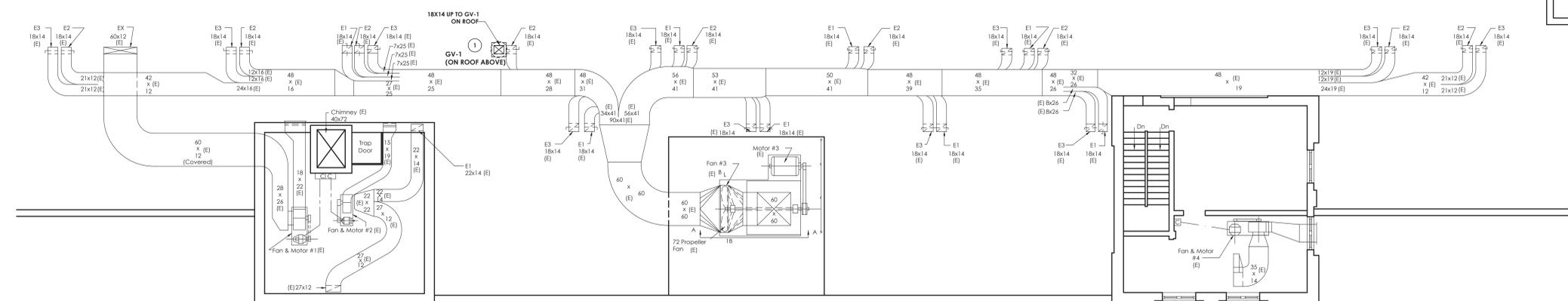
PROJECT NUMBER	14428.12
OHS H201	
DRAWING NUMBER	

- KEY NOTES:**
- 1 EXTEND EXISTING 18X14 DUCT FROM ATTIC SPACE FLOOR UP TO GV-1 ON ROOF ABOVE. PROVE 2" CURB FOR GV-1.
  - 2 CONNECT OUTSIDE AIR DUCT INTAKE TO EXISTING WALL PENETRATION WHERE GRILLE WAS REMOVED. MODIFY OPENING AS REQUIRED TO CONNECT NEW OUTSIDE AIR DUCT. PROVIDE NEW FIRE DAMPER.
  - 3 INSTALL BLOWER COIL UNIT ABOVE DROP CEILING. PROVIDE SPACE FOR FILTER ACCESS. COORDINATE FINAL LOCATION WITH THE G.C.
  - 4 INSTALL NEW 20X24 GRILLE IN EXISTING LOCATION APPROXIMATELY 12" ABOVE FINISHED FLOOR. BALANCE TO 400 CFM.
  - 5 INSTALL NEW 4-WAY CEILING CASSETTE IN LOCATION SHOWN.
  - 6 PROVIDE 12" RAIL TYPE CONDENSER UNIT STAND.
  - 7 PROVIDE NEW PIPE PORTAL AND RUN RRL AND RSL LINES, APPROXIMATE 35" VERTICAL DROP, TO AND FROM BC-1 AND BC-2.

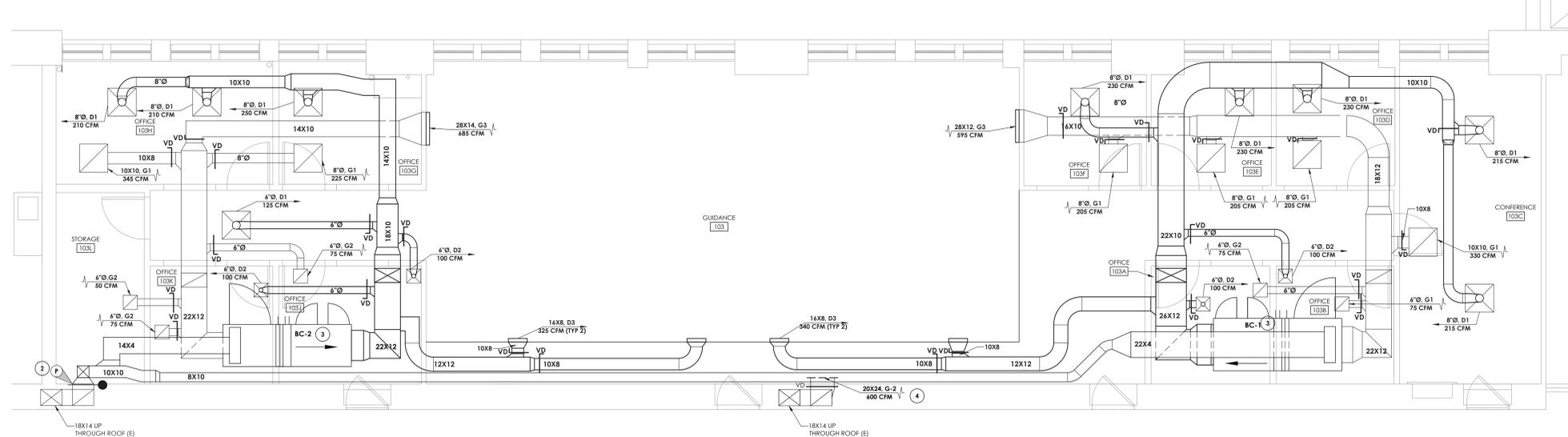
- GENERAL NOTES:**
- 1 ALL CONTROLS WORK SHALL BE DONE USING THE EXISTING BUILDING MANAGEMENT SYSTEM. CONTACT AUTOMATED CONTROL LOGIC, INC. (ACL) FOR ALL CONTROLS WORK.



1 ROOF NEW WORK PLAN  
SCALE: 1/8" = 1'-0"



2 ATTIC NEW WORK PLAN  
SCALE: 1/8" = 1'-0"



3 FIRST FLOOR NEW WORK PLAN  
SCALE: 1/4" = 1'-0"



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 Date last accessed: 10/30/2020 9:58 AM  
 Date last plotted: 12/8/2020 11:24 AM  
 Plotted By: Arthur Smith

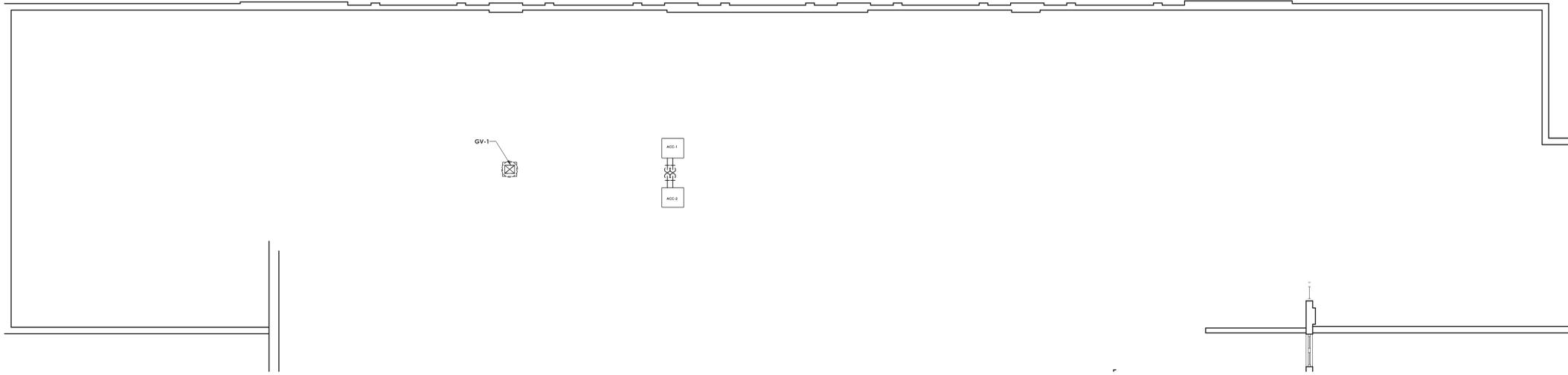
**GENERAL NOTES:**

1. REINSULATE APPROXIMATELY 135 FEET OF PIPING WHERE INSULATION WAS REMOVED BY ABATEMENT CONTRACTOR IN BASEMENT.
2. ALL CONTROLS WORK SHALL BE DONE USING THE EXISTING BUILDING MANAGEMENT SYSTEM, CONTACT AUTOMATED CONTROL LOGIC, INC. (ACL) FOR ALL CONTROLS WORK.

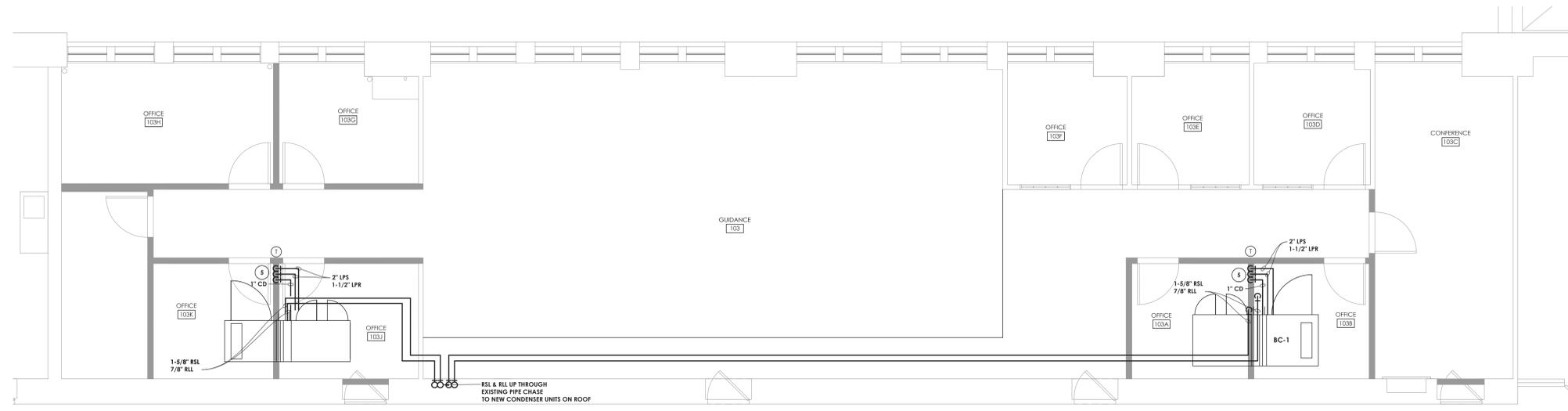
**KEY NOTES:**

1. CONTRACTOR RESPONSIBLE TO PROVIDE END CAPS, FILLER PIECES, VALVE ENCLOSURE AS PART OF A COMPLETE INSTALLATION TO COVER ENTIRE EXTERIOR WALL AS SHOWN. MECHANICAL CONTRACTOR TO PROVIDE QUARTER ROUND WOOD MOLDING ALONG TOP OF RADIATOR COVER. CONNECT NEW RADIATORS TO EXISTING PIPING, MODIFY PIPING AS NECESSARY TO COMPLETE INSTALLATION.
2. INSTALL NEW HEAT PUMP ON ROOF ABOVE GUIDANCE SUITE. PROVIDE QUICK HEAT PUMP STAND TO ELEVATE HEAT PUMP 36" OFF THE ROOF. RUN NEW PIPING IN PIPE PORTAL AND THROUGH EXISTING DUCT CHASE DOWN TO THE GUIDANCE SUITE. MAINTAIN ALL ROOF WARRANTIES.
3. INSTALL NEW CONDENSER ON ROOF ABOVE GUIDANCE SUITE ON EQUIPMENT SUPPORT RAILS. RUN NEW 1-5/8" RSL AND 5/8" RLL LINES IN PIPE PORTAL THROUGH EXISTING PIPE CHASE DOWN TO NEW DOAS-1. MAINTAIN ALL ROOF WARRANTIES.
4. ROUTE NEW 1-1/2" CONDENSATE DRAIN TO NEAREST FLOOR BASIN IN EXISTING UTILITY CLOSET. APPROXIMATELY 50 FEET OF PIPING ADDITIONAL PIPING TO FLOOR BASIN. SEE KEY PLAN FOR LOCATION.
5. RUN PIPING IN WALL DOWN TO LOWER LEVEL AS INDICATED. COORDINATE WORK THE G. C.

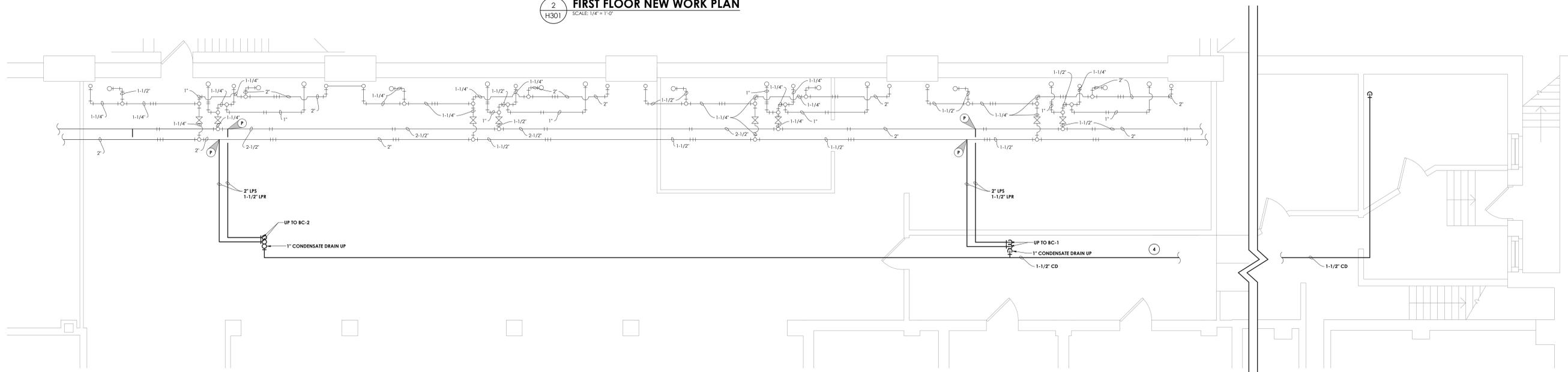
REVISIONS NO.	DATE	DESCRIPTION



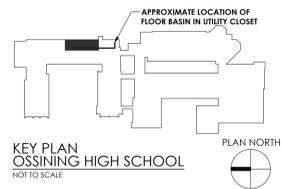
**1 ROOF NEW WORK PLAN**  
SCALE: 1/8" = 1'-0"



**2 FIRST FLOOR NEW WORK PLAN**  
SCALE: 1/4" = 1'-0"



**3 BASEMENT NEW WORK PLAN**  
SCALE: 1/4" = 1'-0"



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MECHANICAL PIPING NEW WORK PLANS		

PROJECT NUMBER	14428.12
<b>OHS</b>	<b>H301</b>
DRAWING NUMBER	

Plotted By: Arthur Smith

Date last plotted: 12/8/2020 11:25 AM

Date last accessed: 8/31/2020 4:09 PM

Drawing Name: S:\Projects\Ossining\_High\_School\Guidance\_Renov\6\_CAD\AutoCAD\Mech\HVAC\H301.dwg

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