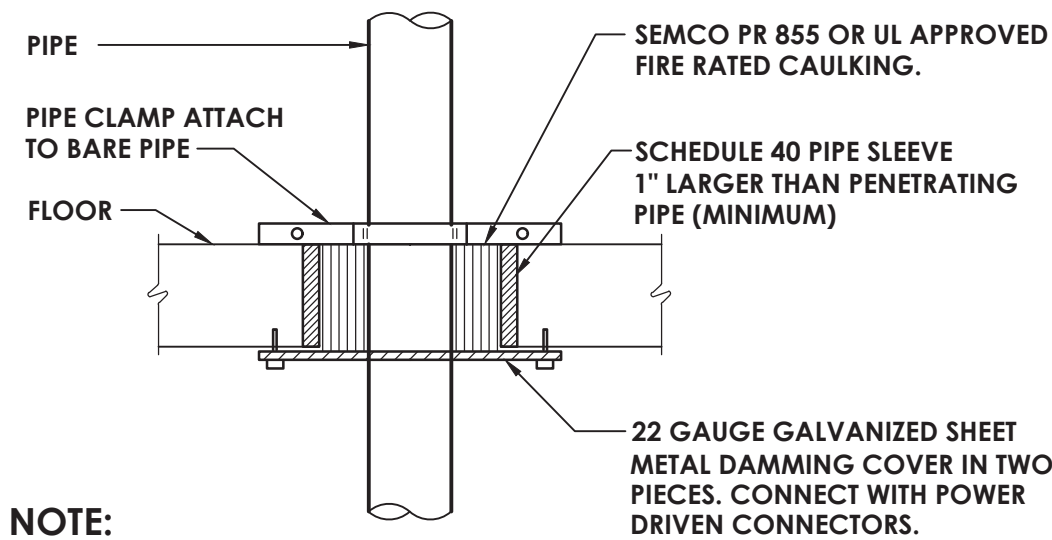
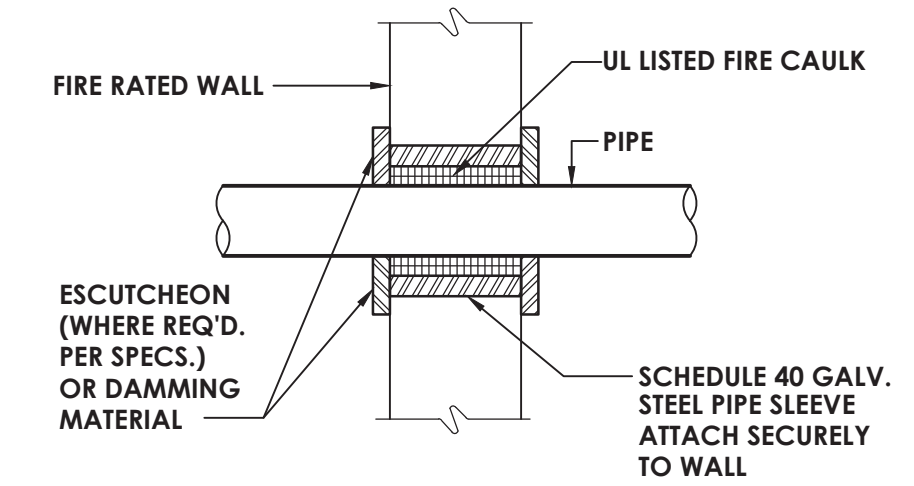


Drawing Name: S:\Projects\Ossining UFSD\OHS 3rd Fr Connector\06 CAD\AutoCAD\MECH\H901.dwg Date last accessed: 11/15/2021 2:57 PM Date last plotted: 11/15/2021 3:18 PM Plotted By: Brendon Mazza

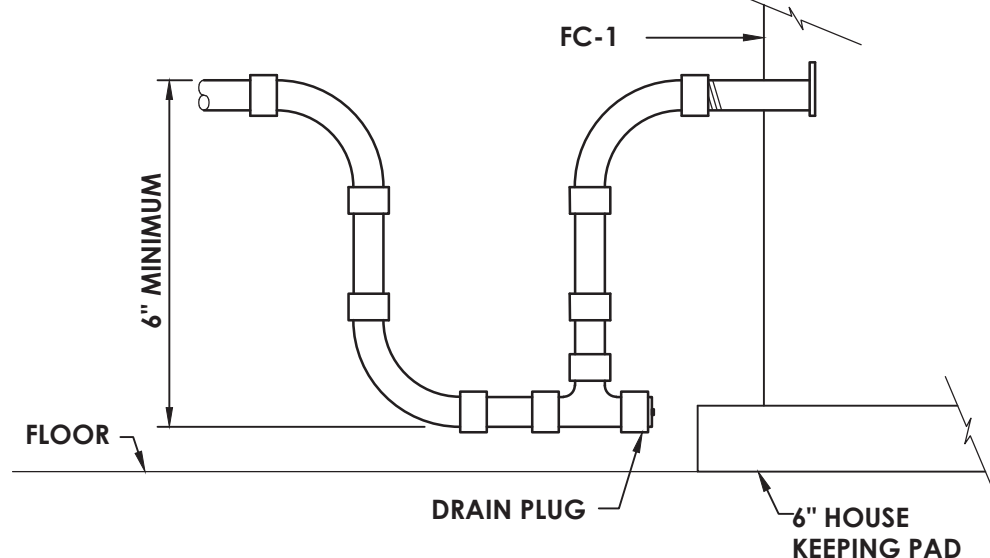


NOTE:
ALL MATERIALS MUST HAVE A MINIMUM MELTING POINT OF 1700° F

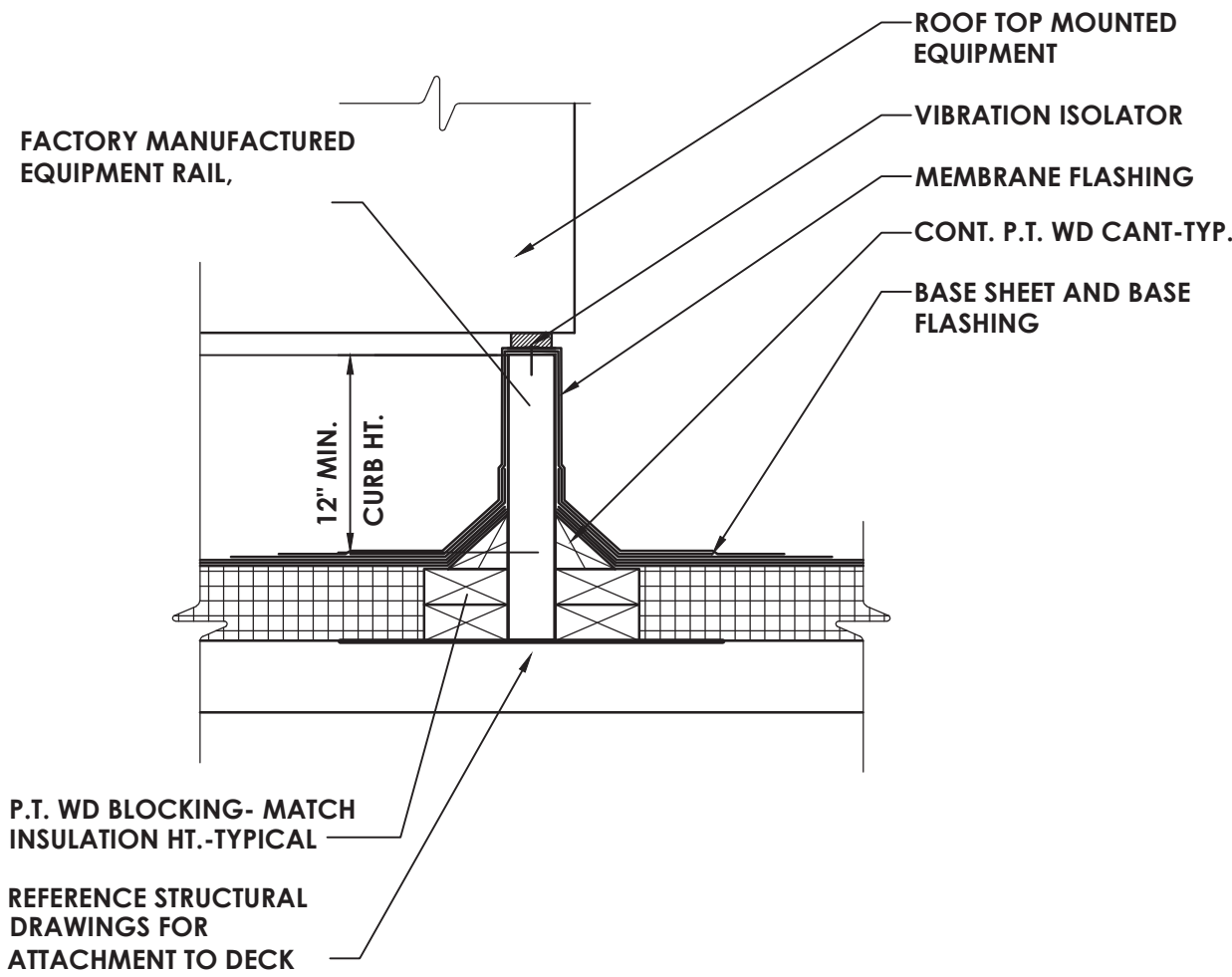
1 PIPE THROUGH RATED FLOOR
H901 NOT TO SCALE



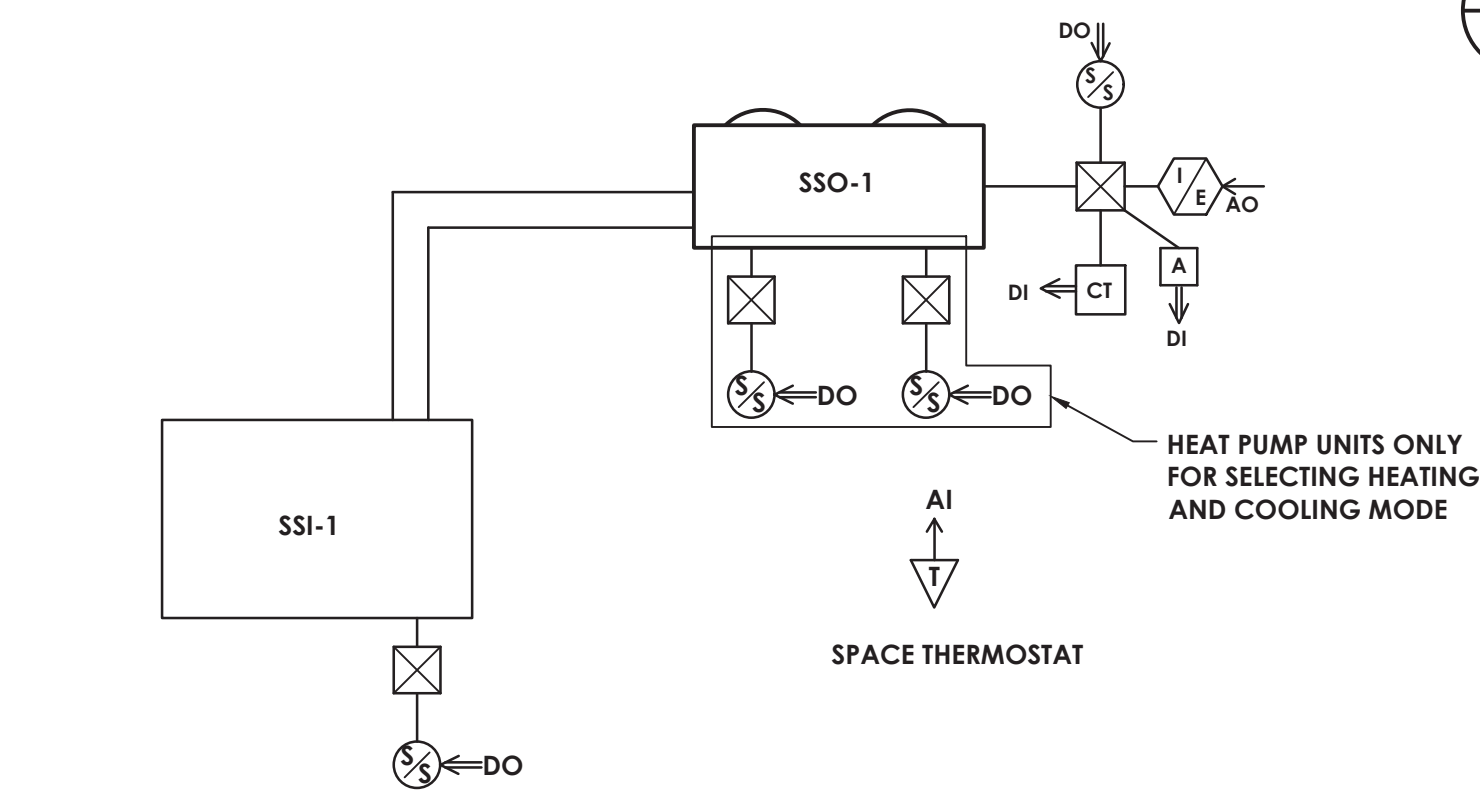
2 PIPE THROUGH RATED WALL
H901 NOT TO SCALE



3 CONDENSATE TRAP DETAIL
H901 NOT TO SCALE

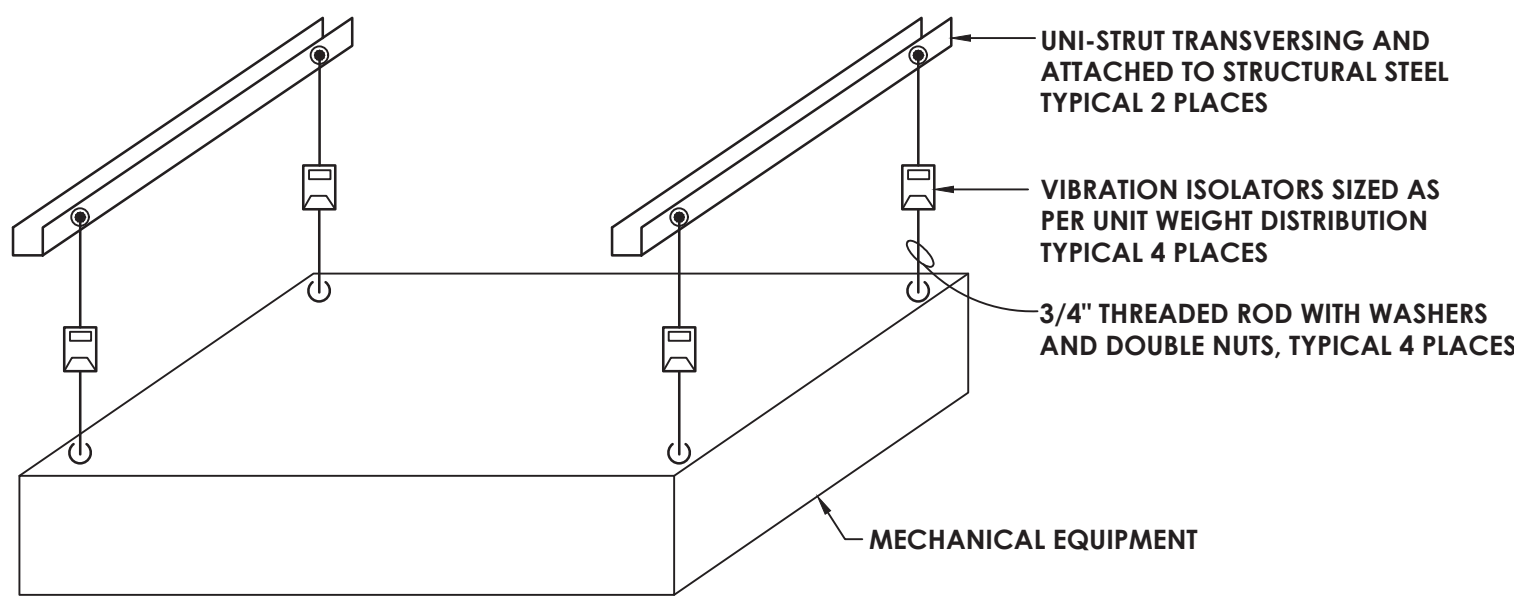


4 EQUIPMENT RAIL DETAIL
H901 SCALE: 1 1/2" = 1'-0"



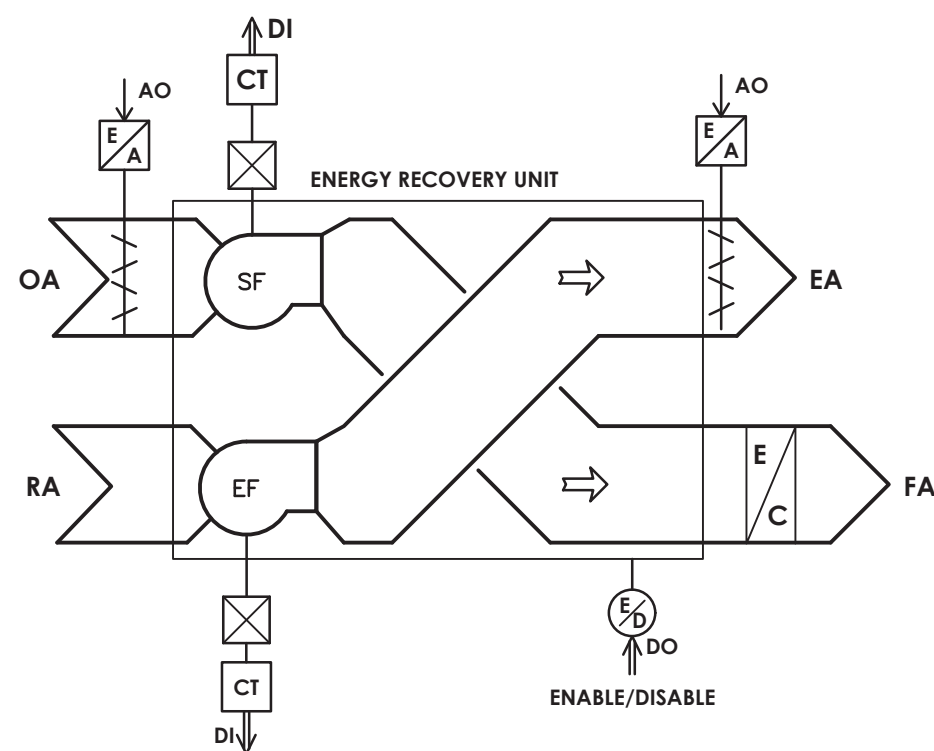
VRF MANUFACTURER TO PROVIDE CONTROL OF SPACE TEMPERATURE SET POINTS, OCCUPIED/UNOCCUPIED MODES, HEATING, COOLING MODES AND LOAD DEMAND.

5 VRF SPLIT SYSTEM CONTROLS
H901 SCALE: NOT TO SCALE

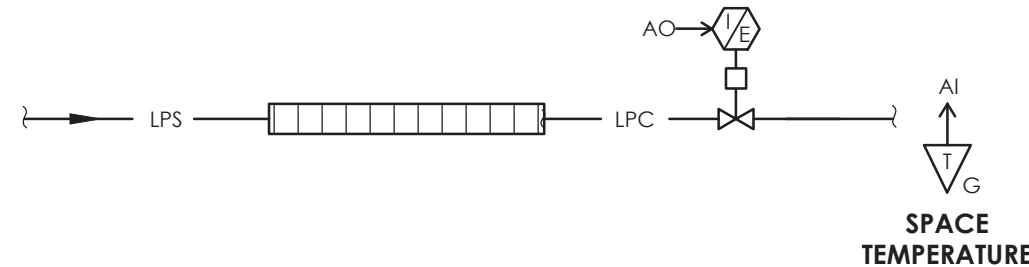


6 INDOOR UNIT SUPPORT INSTALLATION DETAIL
H901 NOT TO SCALE

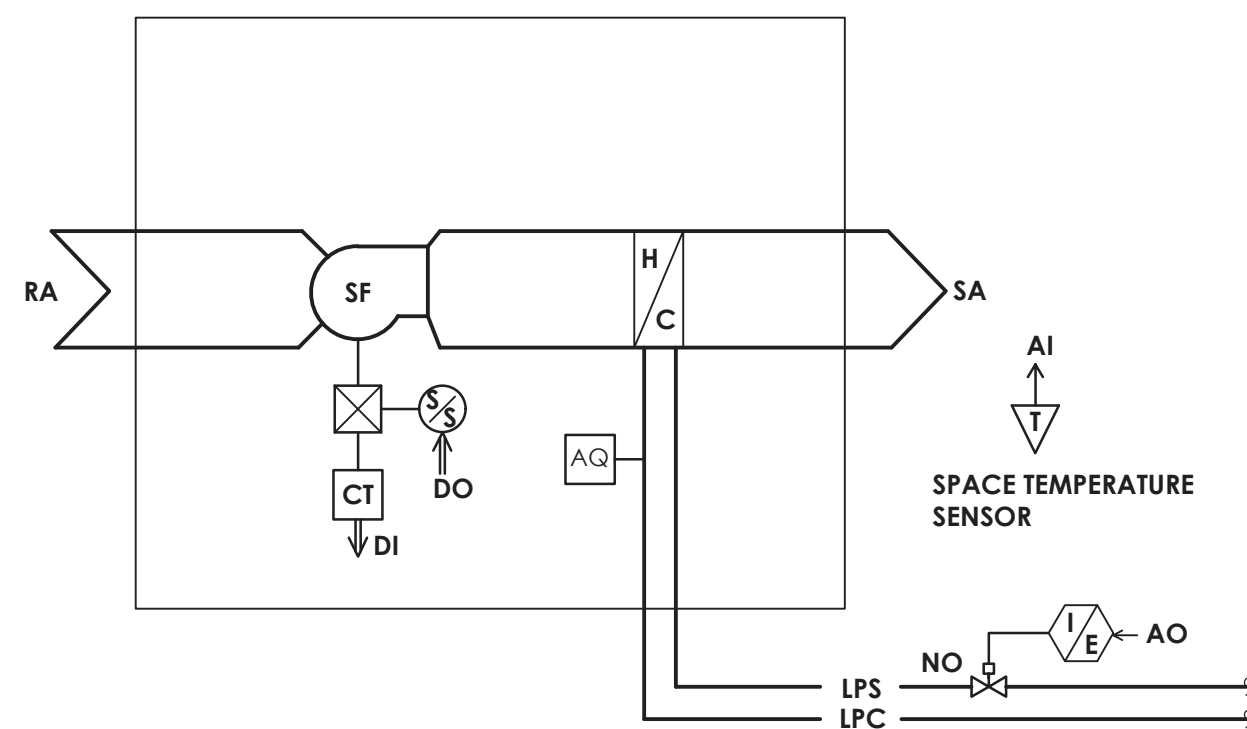
NAME	NUMBER	SQFT	PEOPLE/1000SQFT	CFM/PERSON	CFM/SQFT	People	TOTAL	EZ	ADJUSTED TOTAL
FIRST FLOOR CORRIDOR	100	1300	-	-	0.06	78	0.8	98	
SECOND FLOOR CORRIDOR	200	1350	-	-	0.06	81	0.8	101	
THIRD FLOOR CORRIDOR	300	1600	-	-	0.06	96	0.8	120	
CLASSROOM	319	235	35	10	0.12	9	118	0.8	148
BREAKOUT SPACE	301	415	35	10	0.12	15	200	0.8	250



7 ENERGY RECOVERY UNIT CONTROLS
H901 SCALE: NOT TO SCALE



8 FIN TUBE CONTROLS SCHEMATIC
H901 SCALE: NOT TO SCALE



9 UNIT HEATER TYPICAL CONTROLS DIAGRAM
H901 SCALE: NOT TO SCALE

HEAT PUMP SCHEDULE																
MARK	LOCATION	SERVES	NOMINAL TONS	MBH COOLING	MBH HEATING	ELECTRICAL DATA							WT (LB)	EER/SEER	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
						FAN DATA		COMPRESSOR		REF	Ø / V	MCA				
						NO.	MOTOR OUTPUT KW	QTY	RLA							
SSO-1	ROOF	SSI-1	1	12	12	1	0.046	1	12	410A	1/208	11	93	16.4/27	MITSUBISHI TPLA0A0121EA70A	1
REMARKS: 1. PROVIDE FACTORY MOUNTED DISCONNECT																

ENERGY RECOVERY UNITS (INDOORS)													
MARK	LOCATION	AREA SERVED	SA (CFM)	EA (CFM)	RA (CFM)	WINTER ENERGY RECOVERY %	SUMMER ENERGY RECOVERY %	OPERATING WEIGHT (LBS)	FILTERS	ELECTRICAL		TYPICAL UNIT MFG & MODEL NO.	REMARKS:
										V/Ø/HZ	MCA		
ERV-1	1ST FLOOR HALLWAY	1ST FLOOR HALLWAY	200	200	200	70	50	250 LBS	MERV 13, 2"	120/1/60	10.1	RENEWAIRE EV-450IN	1
ERV-2	2ND FLOOR HALLWAY	2ND FLOOR HALLWAY	200	200	200	70	50	250 LBS	MERV 13, 2"	120/1/60	10.1	RENEWAIRE EV-450IN	1
ERV-3	3RD FLOOR HALLWAY	3RD FLOOR HALLWAY	270	270	270	70	50	250 LBS	MERV 13, 2"	120/1/60	10.1	RENEWAIRE EV-450IN	1
REMARKS: 1. PROVIDE WITH 1.5 KW ELECTRIC HEATING COIL SHIPPED LOOSE BY MANUFACTURER.													

CEILING CASSETTE UNITS										
MARK	TOTAL AIRFLOW CFM	NOM.HEATING CAPACITY BTU/HR	HEATING CAPACITY BTU/HR	NOM.COOLING CAPACITY BTU/HR	COOLING CAPACITY BTU/HR	DIMENSIONS (W" X H" X D")	WEIGHT (LBS)	POWER (Ø/V/HZ)	AMPS	TYPICAL UNIT MFG & MODEL NO.
SSI-1	530	20000	14000	12000	12000	33-1/16 X 10-5/32 X 33-1/16	46	1 / 208 / 60	1	mitsubishi TPLA0A0121EA70A
REMARKS: 1. FURNISH DISCONNECT SWITCHES FOR ALL UNITS.										

STEAM CABINATE UNIT HEATER SCHEDULE												
MARK	LOCATION	TYPE	CFM	STEAM PRESURE	LBS/HR	OUTPUT MBH	EAT	LAT	V/PH/Hz	AMPS	TYPICAL UNIT MFG & MODEL NO.	REMARKS:
CUH-1	HALLWAY	CEILING RECESSED	860	2PSI	-	56000	60	120	115/1/60	2.2	STERLING RC008	1
CUH-2	HALLWAY	CEILING RECESSED	860	2PSI	-	56000	60	120	115/1/60	2.2	STERLING RC008	1
REMARKS: 1. COLOR BY ARCHITECT. ACCESS DOORS SHALL BE COORDINATED WITH CEILING AND STRUCTURE.												

LOUVER SCHEDULE								
MARK	LOCATION	SERVICE	FREE AREA (SQ. FT.)	CFM	SP (IN. WG)	SIZE W&H (IN.)	TYPICAL UNIT MFG. & MODEL NO.	REMARKS:
L-1	1ST FLOOR HALLWAY	SUPPLY AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1.2
L-2	1ST FLOOR HALLWAY	EXHAUST AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1.2
L-3	2ND FLOOR HALLWAY	SUPPLY AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1.2
L-4	2ND FLOOR HALLWAY	EXHAUST AIR	0.75	200	0.05	18X12	RUSKIN ELF6375	1.2
L-5	3RD FLOOR HALLWAY	SUPPLY AIR	0.75	270	0.05	18X12	RUSKIN ELF6375	1.2
L-6	3RD FLOOR HALLWAY	EXHAUST AIR	0.75	270	0.05	18X12	RUSKIN ELF6375	1.2
<u>REMARKS:</u> 1. COLOR MATCH WALL PANELS. 2. PROVIDE WITH BIRDSCREEN AND DRAINABLE BLADES.								

STEAM FIN TUBE SCHEDULE									
MARK	BTU/FT.	TUBE SIZE (IN.)	FINS / FT.	STEAM PSI	ENCLOSURE			TYPICAL UNIT MFG & MODEL NO.	REMARKS:
FT-1	1520	3-5/8"X4-1/4"	32	2	100	14	6	STERLING JVB-S	1.2
REMARKS: 1. COLOR BY ARCHITECT. 2. ELEMENT LENGTH LISTED ON PLANS, CAT - 66289C RETURN									

REGISTERS, GRILLES, AND DIFFUSERS						
MARK	APPLICATION	MATERIAL	TYPE	FINISH	DESIGN EQUIP.	REMARKS
S-1	SUPPLY	STEEL	LAY-IN	WHITE	PRICE SCD	1.2
R-1	RETURN/EA	STEEL	LAY-IN	WHITE	PRICE 510	1.2
REMARKS: 1. PROVIDE WITH 24" x 24" CEILING MODULE FRAME LAY IN STYLE 2. COLOR BY ARCHITECT BASED ON MANUFACTURES STANDARD COLORS						

OSSINING UFSD
OSSINING HIGH SCHOOL
THIRD FLOOR CONNECTOR
29 SOUTH HIGHLAND AVENUE, OSSINING, NY 10562
SED #: 66-14-01-03-0-003-040

DATE	DRAWN	CHECKED
3/12/2021	NRH	AJS
SCALE AS NOTED		
SHEET TITLE		
MECHANICAL DETAILS CONTROLS AND SCHEDULES		

PROJECT NUMBER
14428.13
OHS H901
DRAWING NUMBER