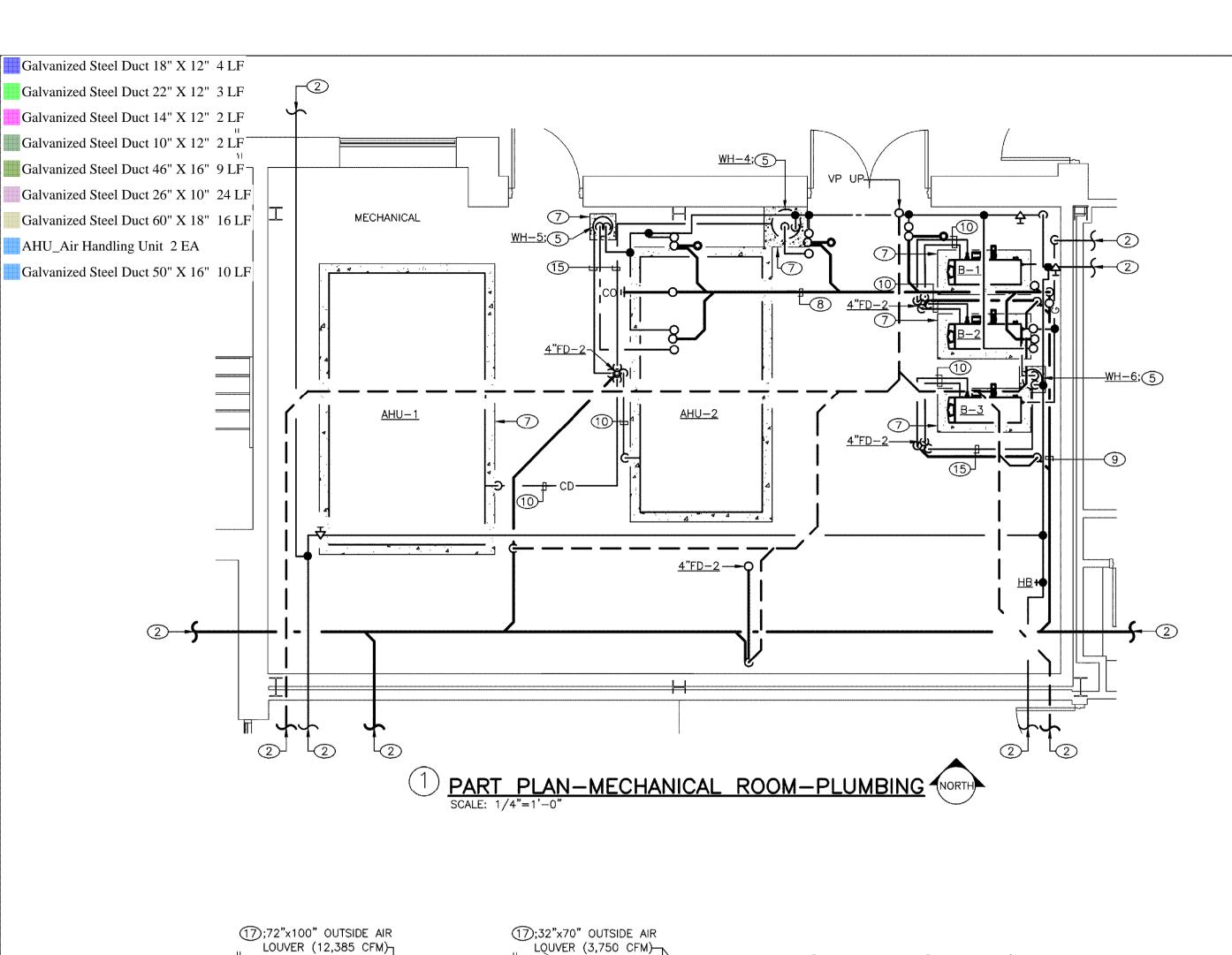


1 Mech Binder (1) (91% of Scale); Harve De Grace Library_Mechanical; OST-US-DEMO-2012; 12/11/2015 11:30 PM



DRAWING NOTES (APPLY TO DRAWING M1.8):

- 1) SEE DETAIL-FLOW METER FITTING ON DRAWING M1.4.
- 2 FOR CONTINUATION SEE FLOOR PLAN-PLUMBING ON DRAWING M1.4.
- 3) PROPOSED EQUIPMENT CLEARANCE. (SHOWN FOR COORDINATION ONLY). 4) FOR CONTINUATION SEE FIRST FLOOR PLAN-HVAC ON DRAWING M1.1.
- 5 SEE DETAIL-ELECTRIC WATER HEATER ON DRAWING M1.4.
- 6 PROPOSED EQUIPMENT SERVICE AREA. NO PIPING, CONDUITS, DUCTWORK ETC SHALL BE ROUTED IN THIS AREA.
- 7 HOUSEKEEPING/EQUIPMENT PAD.
- (8) PIPING SERVING FLOOR ABOVE AND LOCATE AS HIGH AS POSSIBLE. ROUTE UNDER AND THROUGH STRUCTURAL MEMBERS. PIPING SHALL BE SLOPED AT 1% SLOPE.
- (9) PIPING BELOW FIRST FLOOR. (10) 3/4" DRAIN TO DISCHARGE VIA AIR GAP INTO FLOOR DRAIN.
- (11) 36x22 RELIEF UP.
- 12 6"ø VENT UP.
- 13 4"ø COMBUSTION AIR (INTAKE AIR).
- (14) TRANSITION TO FULL SIZE UNIT OPENING.
- (15) LINES FROM WATER HEATER TO DISCHARGE VIA AIR GAP.

- (16) 1-1/2" DRAIN TO DISCHARGE VIA AIR GAP INTO FLOOR DRAIN. (17) ARCHITECTURAL LOUVER.
- (18) PROVIDE PLENUM BEHIND LOUVERS AND MIXING BOX ON AIR HANDLING UNIT. PLENUM SHALL BE FULL SIZE OF LOUVER AND EXTEND AS REQUIRED TO MIXING BOX.
- (19) RS AND RL PIPING (APPROXIMATELY (2) 2-1/8" RS, (2) 1-3/8" RL). SIZE PER MANUFACTURER REQUIREMENTS...
- 20 FOR CONTINUATION SEE FIRST FLOOR PLAN HEATING WATER
- 21) SEE DETAIL-HEATING WATER BALANCING ASSEMBLY ON DRAWING M1.6.

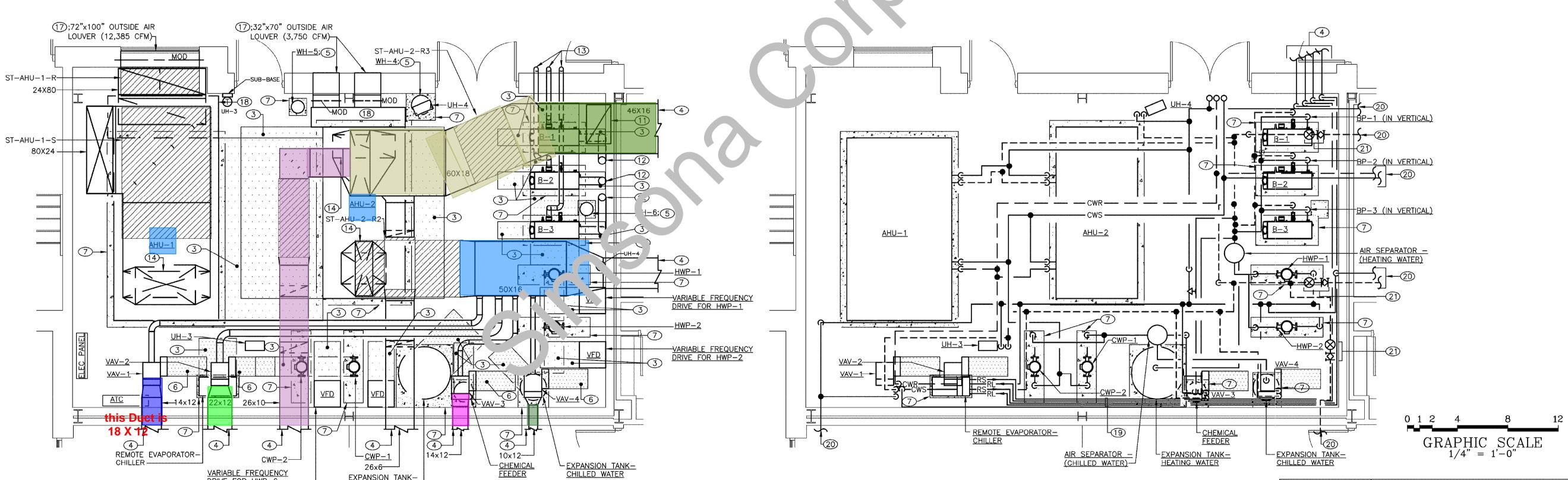
							SILE	NCER	SCHEDULE		
DESIG.	LOCATION	FACE DIMENSION		LENGTH (IN)	FLOW CFM	VELOCITY FT/MIN	SILENCER P.D.* IN WG	EFFECTS	PERFORMANCE CRITERIA	MODEL	NOTES
		W (IN)	H (IN)				", "0	IN WG			
ST-AHU-1-S	AHU-1	82	26	120	12,385	+837	0.06	0.2	NC 30-35 INDOOR NOISE LEVEL ON OPEN LIBRARY AREA	VIBRO-ACOUSTICS RED-HV-FF-L16868	1,2,3
ST-AHU-1-R	AHU-1	26	82	72	10,550	-713	0.03	0.11	NC 30-35 INDOOR NOISE LEVEL ON OPEN LIBRARY AREA	VIBRO-ACOUSTICS RD-HV-F3-L16868	1,2
ST-AHU-2-S	AHU-2	18	52	96	7,500	+1154	J.12	0. 5	NC 35-40 INDOOR NOISE LEVEL ON OFFICES	VIBRO-ACOUSTICS RED-HV-FC-L16868	1,2,3
ST-AHU-2-R1	AHU-2	28	12	72	1,240	-531	1.07	0.26	NC 35-40 INDOOR NOISE LEVEL ON OFFICES	VIBRO-ACOUSTICS RD-MLV-F2-L16868	1,2
ST-AHU-2-R2	AHU-2	28	8	48	540	47	0.06	0.22	NC 35-40 INDOOR NOISE LEVEL ON OFFICES	VIBRO-ACOUSTICS RD-ULV-F2-L16868	1,2
ST-AHU-2-R3	AHU-2	48	18	60	4,45	-74 <i>)</i>	0.08	0.29	NC 35-40 INDOOR NOISE LEVEL ON OFFICES	VIBRO-ACOUSTICS RD-MLV-FJ-L16868	1,2

ALTERNATE MANUFACTURER SHALL PROVIDE CONSULATION WILL ACCUSTICAL ANALYSIS DEMONSTRATING SILENCER MEETS NO 30-35 ON OPEN LIBRARY AREA AND NO 35-40 ON OFFICES SILENCER SHALL BE DESIGNED WITH PRESSURE D. P INCLUING EFFECTS NOT MORE THAN THE LISTED VALUE ON THE SCHEDULE.

. ELBOW TYPE. LENGTH SHOWN ON THE SCHEDULE IS QUAL TO TOTAL CENTER LINE LENGTH.

+/-) - THE SYMBOL (+) DESIGNATES FO WARD FL V AND THE SYMBOL (-) DESIGNATES REVERSE FLOW.

- THE SCHEDULED SILENCER PRESSURE ROP(S) A E REPORTED IN ACCORDANCE WITH ASTM E477 TEST METHODS. THE PRESSURE DROP(S) ARE AT IDEAL FLOW CONDITIONS (3-4 DUCT DIAMETERS OF STRAIGHT DUCT ON SILE, FR INI I AND 4-5 DUCT DIAMETERS OF STRAIGHT DUCT ON SILENCER OUTLET). LESS THAN IDEAL CONDITIONS WILL RESULT IN INCREASE IN PRESSURE DROP.

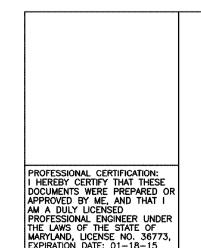


2 PART PLAN- MECHANICAL ROOM NORTH

VARIABLE FREQUENCY DRIVE FOR HWP-2

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PART PLAN – MECHANICAL ROOM NORTH



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NO. DESCRIPTION DATE

PROJECT NUMBER DATE ISSUED: 7.23.14

DRAWING TITLE:
PART PLANS

M1.8