

SCHEDULE OF ENERGY RECOVERY UNITS																								
GENERAL DATA					SUPPLY FAN DATA		EXHAUST FAN DATA		ELECTRICAL DATA				HEAT EXCHANGER				PHYSICAL DATA				REMARKS			
MARK	SERVICE	LOCATION	OUTSIDE AIR CFM	MODEL No. (1)	CFM	EXT. S.P. IN. WG	CFM	EXT. S.P. IN. WG	FLA	MCA	MOP	ELECTRICAL SERVICE	MODEL	TYPE	SUMMER I.A.T. DB °F    WB °F		WINTER I.A.T. DB °F    WB °F		L (in.)	W (in.)			H (in.)	WEIGHT (LBS)
ERV-1	LOBBY	CATWALK	1500	U-ERV1800	1500	2.0	1500	2.0	15.4	19.2	25	208/3/60	EW1-11-42	CORE		80	67	58	42	54	32	36	400	REFER TO ②④⑤⑥

NOTES

①

AS MANUFACTURED BY "ENERGY WALL".

②

INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

③

DESIGN AIR CONDITIONS:    SUMMER: OA (94°F/75°F) RA (77°F/65°F);  
WINTER: OA (10°F/8°F) RA (70°F/50°F).

④

UNIT TO BE A MODULAR UNIT TO FIT THROUGH BUILDING OPENINGS, STAIRS, ELEVATORS, ETC. FOR FIELD ASSEMBLY. UNIT TO BE CEILING MOUNTED. PROVIDE VIBRATION ISOLATORS.

⑤

PROVIDE UNIT WITH FULLY MODULATING ROTARY DAMPER TO ALLOW FOR 100% ECONOMIZER AND FOR FROST PROTECTION. PROVIDE DISCONNECT SWITCHES, PHASE PROTECTION, MERV 13 FILTERS.

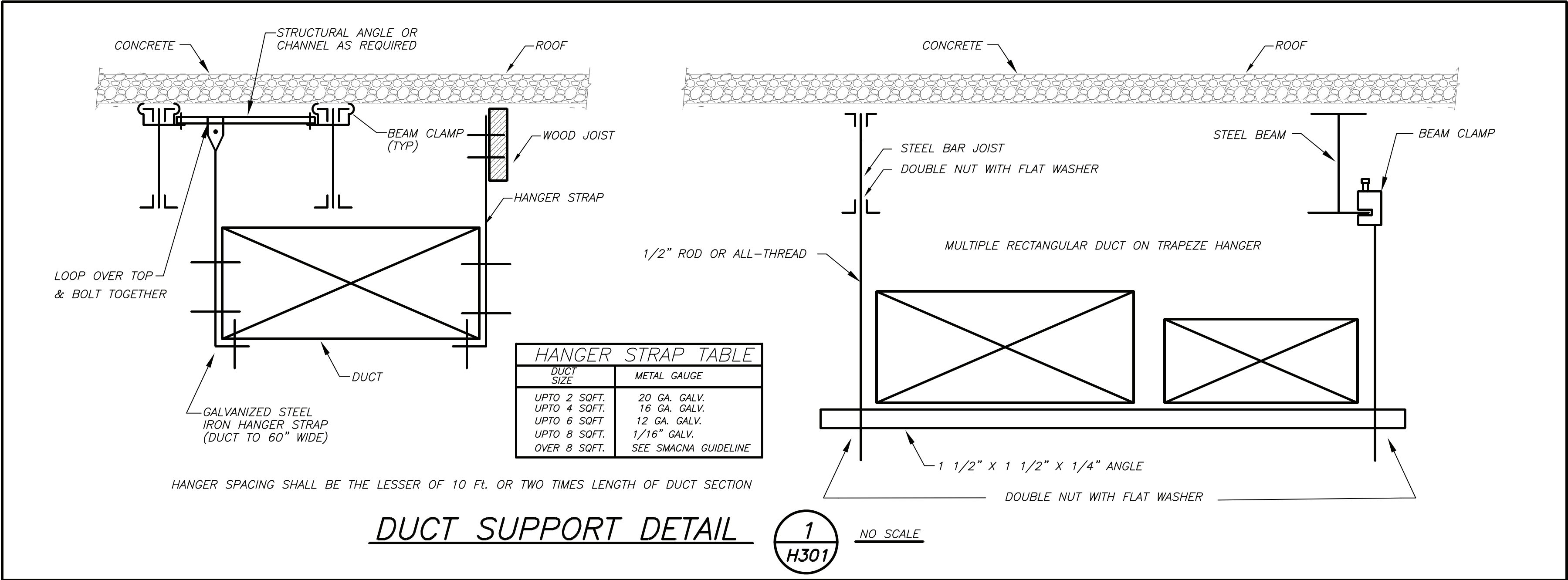
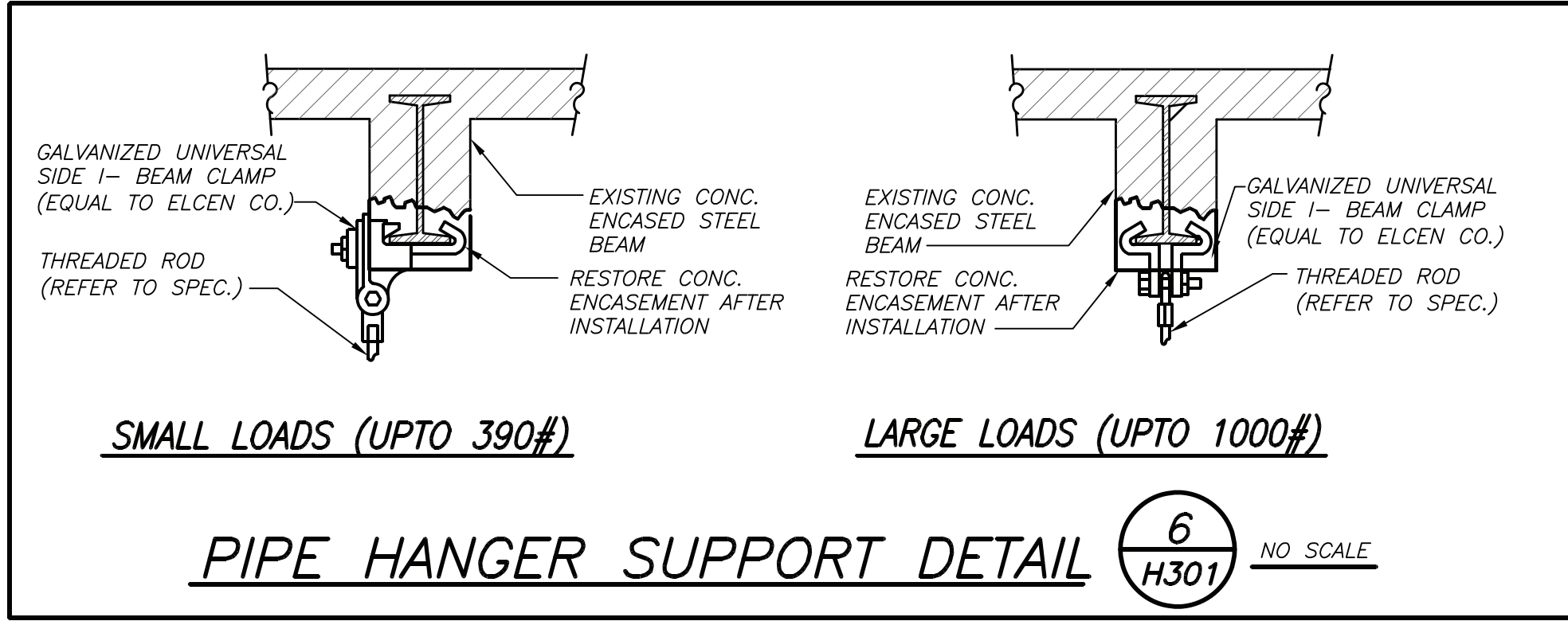
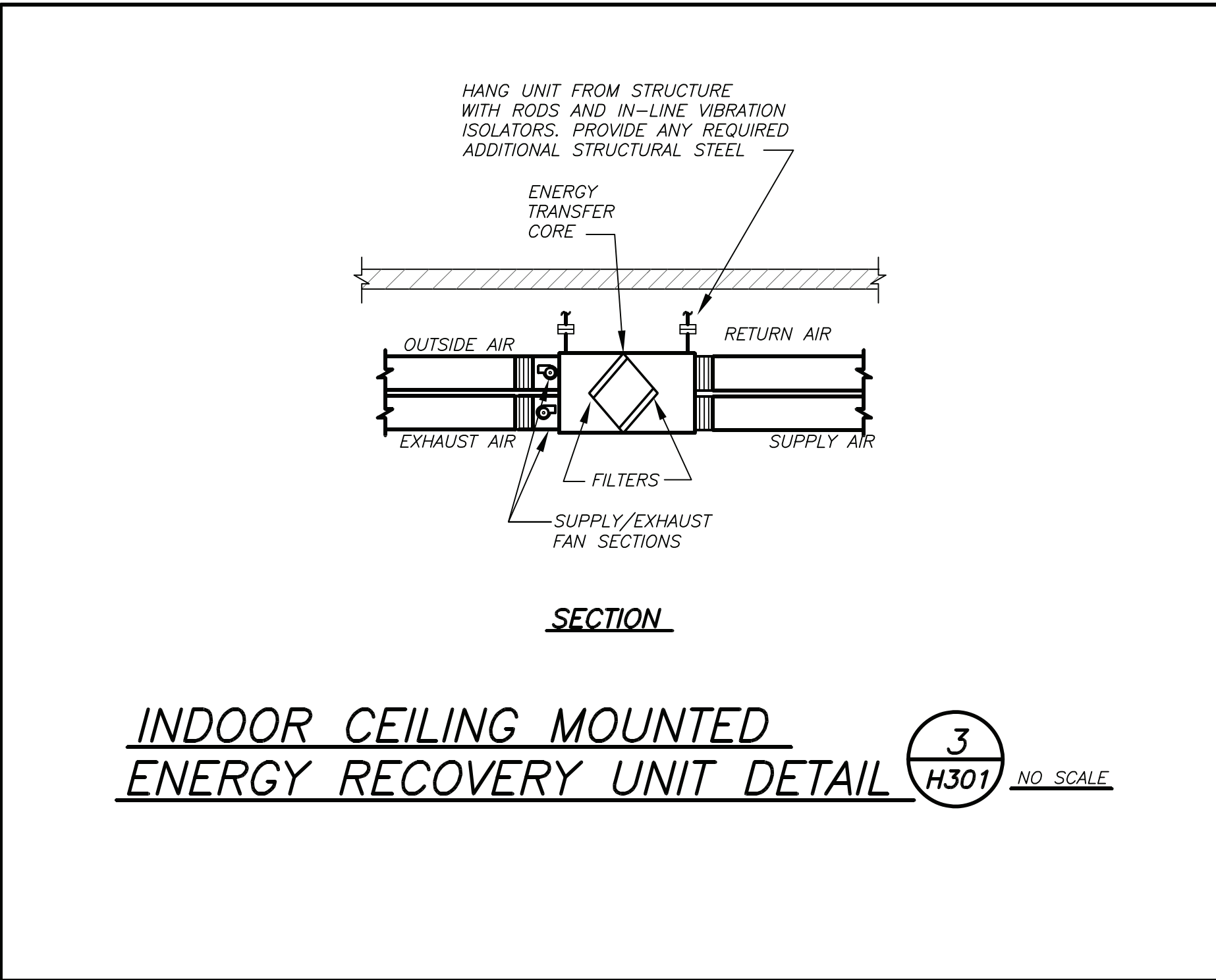
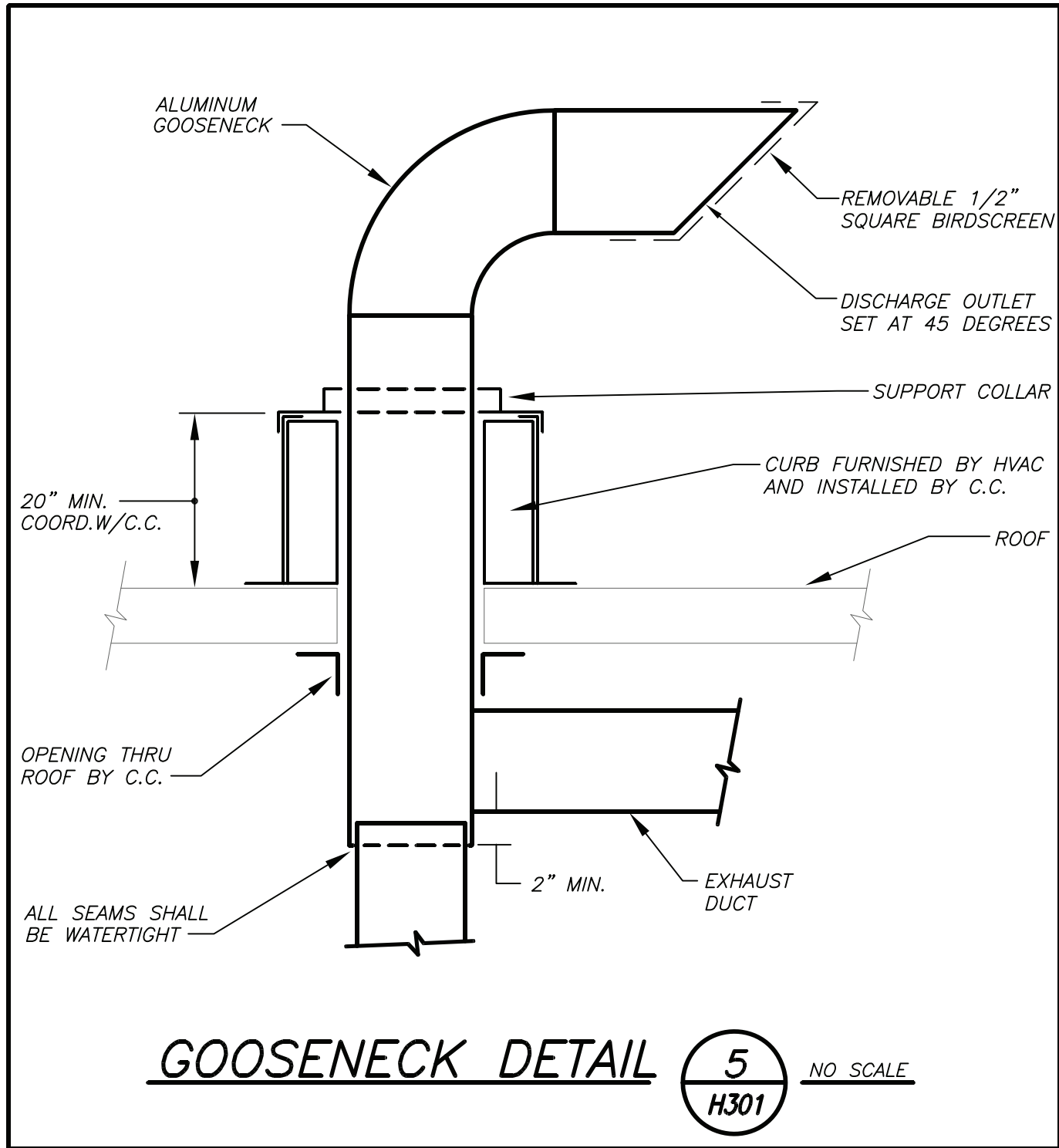
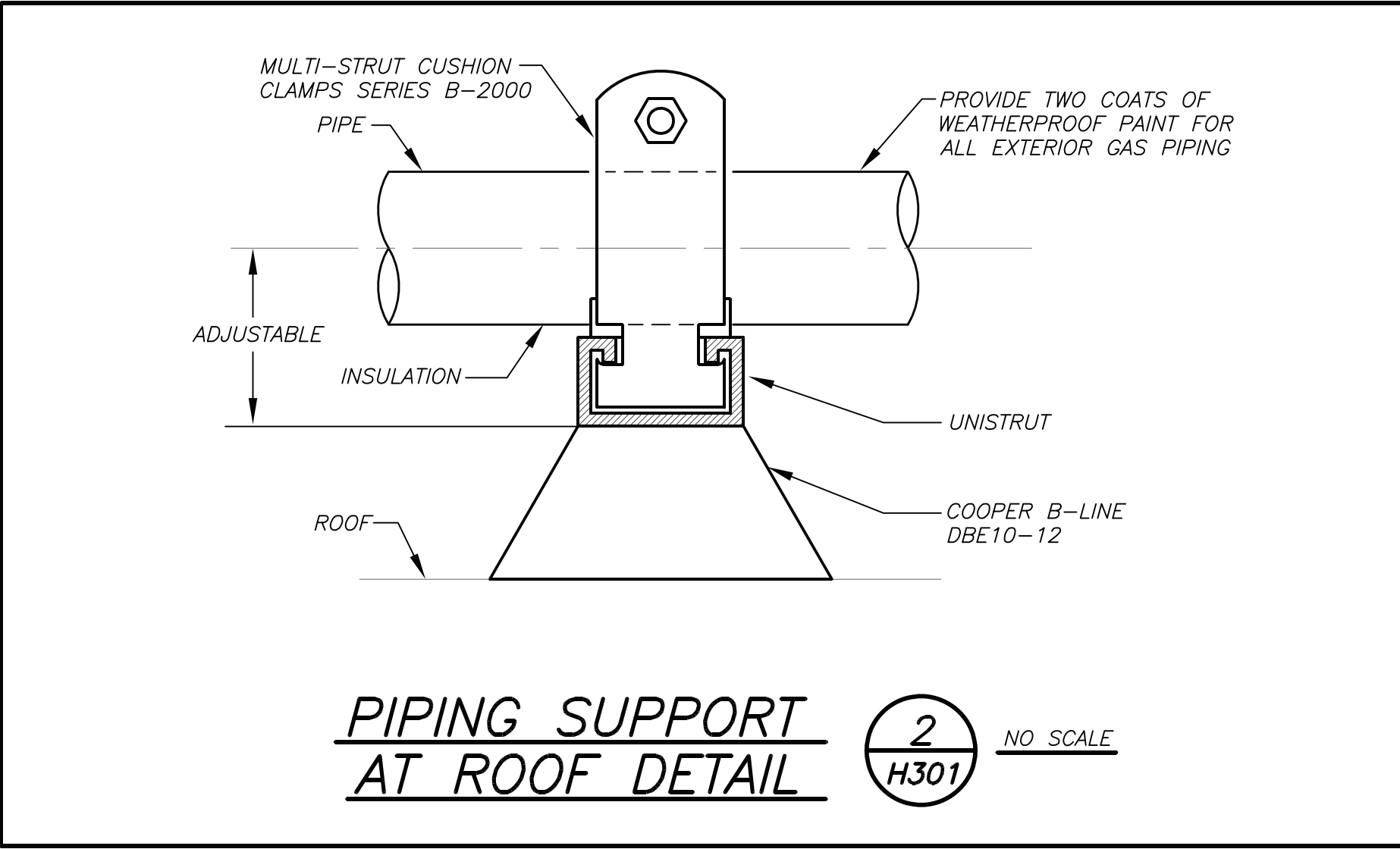
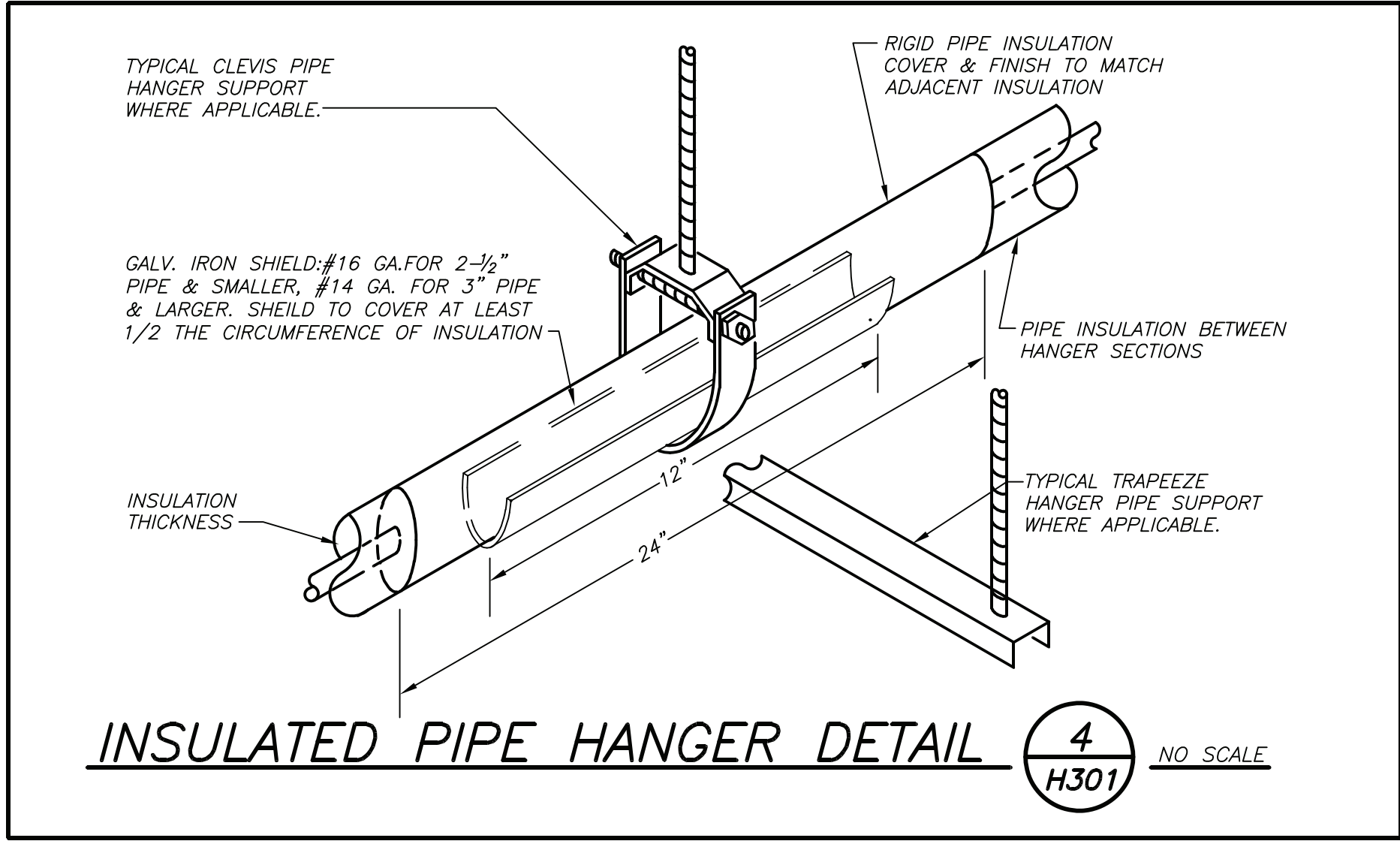
SCHEDULE OF DX COOLING COILS									
MARK	SERVICE	MODEL No. (1)	COOLING CAP. BTU/HR	CFM	FPM	COIL FACE AREA SQ. FT.	ROWS	FINS PER INCH	REMARKS
CC-1	CLIM. EXH.	DX58S03S10	464,000	10,000	381	52.5	3	10	REFER TO ②③
CC-2	CLIM. EXH.	DX58S03S10	464,000	10,000	381	52.5	3	10	REFER TO ②③
<b>NOTES</b> ① AS MANUFACTURED BY "NATIONWIDE COILS". ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ REFRIGERANT R-410A.									

SCHEDULE OF MINIMUM VENTILATION ROOM FLOW RATES											
ROOM NAME/NUMBER	OCCUPANCY CATEGORY	A ROOM AREA (SQ.FT.)	B PEOPLE DENSITY (#/1000 SQ.FT.) / # OF FIXTURES	C PEOPLE OUTDOOR AIR FLOW RATE (CFM/PERSON)	D AREA OUTDOOR AIR FLOW RATE IN BREATHING ZONE (CFM/SQ.FT.)	E EXHAUST AIR FLOW RATE (CFM/SQ.FT.)	F NUMBER OF PEOPLE (A+B)*1000+#P	G OUTDOOR AIR FLOW RATE WITHOUT ZONE EFFECTIVENESS FACTOR (F+C)*(A+D)=CFM	H ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	I MINIMUM ROOM VENTILATION AIR FLOW RATE 6*H=CFM	J MINIMUM EXHAUST AIR FLOW RATE A+E=CFM
STAGE	STAGES, STUDIOS	2700	70	10	0.06	0	189	2052	0.8	2565	0
AUDITORIUM	AUDITORIUM SEATING AREA	9200	150	5	0.06	0	1380	7452	0.8	9315	0
LOBBY	LOBBIES	1000	150	5	0.06	0	150	810	0.8	1013	0
BOY'S BATHROOM	TOILETS - PUBLIC	250	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250
GIRL'S BATHROOM	TOILETS - PUBLIC	250	5 FIXTURES	-	-	50 CFM/ FIXTURE	-	-	-	-	250

SCHEDULE OF CONDENSING UNITS														REMARKS
MARK	LOCATION	MODEL N <sup>o</sup> ①	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	EER	COMPRESS. DATA		COND. FAN DATA		ELECTRICAL DATA		PHYSICAL DATA DIMENSION/WEIGHT (L"XW"XH") (LBS)		
						TYPE	QTY	TYPE	QTY	MCA	MOP	ELECTRICAL SERVICE		
CU-1	ROOFTOP	ARUM241BTE5	233	243	10.4	SCROLL	2	PROPELLER	2	63	80	208/3/60	49x30x67/700	REFER TO ②③④⑥⑦
CU-2														
CU-3														
CU-4														
CU-5	ROOFTOP	ARUM096BTE5	96	108	13.50	SCROLL	2	PROPELLER	2	29	40	208/3/60	49x30x67/550	REFER TO ②③⑤⑥⑦
NOTES	① AS MANUFACTURED BY "LG."													
	② INSTALL PER MANUFACTURER'S RECOMMENDATIONS.													
	③ DESIGN AIR CONDITIONS: SUMMER: OA (94°F/75°F) RA (77°F/65°F); WINTER: OA (5°F/37°F) RA (70°F/55°F).													
	④ SECURE UNIT ON DUNNAGE PROVIDED BY GC. PROVIDE CONTINUOUS NEOPRENE VIBRATION ISOLATION PADS, DISCONNECT SWITCH, AND PHASE PROTECTION.													
	⑤ SECURE UNIT ON CONCRETE PAD PROVIDED BY GC. PROVIDE DISCONNECT SWITCH AND PHASE PROTECTION.													
	⑥ SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.													
	⑦ PROVIDE EEV AND AHU COMMUNICATION KIT.													

SCHEDULE OF REGISTERS AND DIFFUSERS																																						
MARK	TYPE	SERVICE	MODEL No. ①	NOMINAL FACE SIZE	DIRECTION DISCHARGE	DAMPER TYPE	FINISH	REMARKS																														
A	SURFACE MOUNTED	SUPPLY	ECO-20 ①	36X8/VARIES	TWO-WAY	OPOSED BLADE	PER ARCH.	REFER TO ③④⑤⑥⑧																														
B	SURFACE MOUNTED	VARIES	DESIGN B ②	VARIES	-	OPOSED BLADE	PER ARCH.	REFER TO ④⑦⑧⑨																														
C	SURFACE MOUNTED	RETURN	35 ①	VARIES	-	OPOSED BLADE	PER ARCH.	REFER TO ③④⑤⑥⑨																														
D	SURFACE MOUNTED	SUPPLY	PARAGON ①	24X24	FOUR-WAY	OPOSED BLADE	PER ARCH.	REFER TO ③④⑤⑥⑧																														
E	LAY IN MOUNTED	RETURN/EXHAUST	HD30 ①	36X24	-	OPOSED BLADE	PER ARCH.	REFER TO ③④⑤⑥⑨																														
<div>NOTES</div> <div>① AS MANUFACTURED BY "ANEMOSTAT".</div> <div>② AS MANUFACTURED BY "A-J MANUFACTURING COMPANY".</div> <div>③ INSTALL PER MANUFACTURERS RECOMMENDATIONS.</div> <div>④ PROVIDE CABLE OPERATED DAMPERS IN UN-ACCESSIBLE AREAS.</div> <div>⑤ AIR OUTLET TO BE OF STAINLESS STEEL CONSTRUCTION.</div> <div>⑥ COORDINATE AIR OUTLET TYPE WITH CEILING CONSTRUCTION.</div> <div>⑦ GRILLES TO BE PROVIDED AND INSTALLED BY GC.</div>																																						
				<div>⑧ SUPPLY NECK SIZE PER CFM RANGE (NOT TO EXCEED 700 fpm)</div> <table><tr><td>50 TO 135</td><td>100 TO 245</td><td>246 TO 380</td><td>381 TO 550</td><td>551 TO 751</td></tr><tr><td>6"ø</td><td>8"ø</td><td>10"ø</td><td>12"ø</td><td>14"ø</td></tr></table>					50 TO 135	100 TO 245	246 TO 380	381 TO 550	551 TO 751	6"ø	8"ø	10"ø	12"ø	14"ø	<div>⑨ RETURN NECK SIZE PER CFM RANGE (NOT TO EXCEED 675 fpm)</div> <table><tr><td>50 TO 135</td><td>150 TO 245</td><td>250 TO 380</td><td>400 TO 599</td><td>600 TO 799</td><td>800 TO 1099</td><td>1100 TO 1399</td><td>1200 TO 2399</td></tr><tr><td>6"x8"</td><td>8"x8"</td><td>10"x10"</td><td>12"x12"</td><td>14"x14"</td><td>16"x16"</td><td>18"x18"</td><td>24"x24"</td></tr></table>				50 TO 135	150 TO 245	250 TO 380	400 TO 599	600 TO 799	800 TO 1099	1100 TO 1399	1200 TO 2399	6"x8"	8"x8"	10"x10"	12"x12"	14"x14"	16"x16"	18"x18"	24"x24"
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SCHEDULE OF VRF INDOOR UNITS									
MARK	MODEL No. (1)	SUPPLY FAN DATA		TOTAL	DIMENSION/WEIGHT				
		CFM HIGH	MCA	MOP	COOL/HEAT MBH	W (IN.)	D (IN.)	H (IN.)	LBS
LEV	ARNU963BB44	2,700	6.5	15	208/1/60 95.9/107.5	69	29	19	225
<b>NOTES</b> ① AS MANUFACTURED BY "LG." ② INSTALL PER MANUFACTURER'S RECOMMENDATIONS. ③ BASED ON A.R.I. CERTIFIED COIL SELECTIONS; REFRIGERANT R-410A ④ PROVIDE CHECK VALVE, ANTI SWEAT SLEEVE AND AUTO SHUTDOWN OVERFLOW SWITCH ⑤ PROVIDE MOUNTING HARDWARE, VIBRATION ISOLATORS, DISCONNECT AND HARDWIRED REMOTE WALL MOUNTED CONTROLLER/THERMOSTAT.									
REFER TO ①①①①									



HANGER STRAP TABLE	
DUCT SIZE	METAL GAUGE
UPTO 2 SOFT	20 GA. GALV.
UPTO 4 SOFT	18 GA. GALV.
UPTO 6 SOFT	12 GA. GALV.
UPTO 8 SOFT	1/16" GALV.
OVER 8 SOFT	SEE SMACNA GUIDELINE