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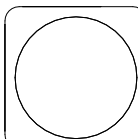
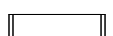
Rambler Baton Rouge
4076 Gourrier Avenue
Baton Rouge, LA 70808

LV COLLECTIVE

HEET NUMBER:

M1.002

M1.002	MECHANICAL INDEX - PARKING BUILDING
M1.100	MECHANICAL GENERAL NOTES
M1.200	MECHANICAL DETAILS
M1.201	MECHANICAL DETAILS
M1.300	MECHANICAL EQUIPMENT SCHEDULE
M2.110	PARKING BUILDING PLAN - LEVEL 01
M2.120	PARKING BUILDING PLAN - LEVEL 02
M2.130	PARKING BUILDING PLAN - LEVEL 03
M2.140	PARKING BUILDING PLAN - LEVEL 04
M2.150	PARKING BUILDING PLAN - LEVEL 05
M2.160	PARKING BUILDING PLAN - LEVEL 06
M2.170	PARKING BUILDING PLAN - ROOF
M2.300	MECHANICAL ENLARGED PARKING GARAGE LEVEL 8
M2.400	PARKING BUILDING VENTILATION RISERS

- | | | | |
|---|-----------------------|---|---------------------------|
|  | EF - VENTILATION UNIT | | |
|  | EF - CIRCULATION |  | HP - HEAT PUMP |
|  | EF - EXHASUT FAN |  | AHU - AIR HANDLER UNIT |
|  | EF - EXHASUT FAN |  | FSD - FIRE & SMOKE DAMPER |
|  | EF - EXHASUT FAN |  | LV - LOUVER |
|  | R - REGISTER |  | DB - DRYER BOX |
|  | R - REGISTER |  | WC - WALL CAP |
|  | R - REGISTER | | |
|  | S - SLOT DIFFUSER | | |

1 MECHANICAL LEGEND - PARKING BUILDING
1/4" = 1'-0"

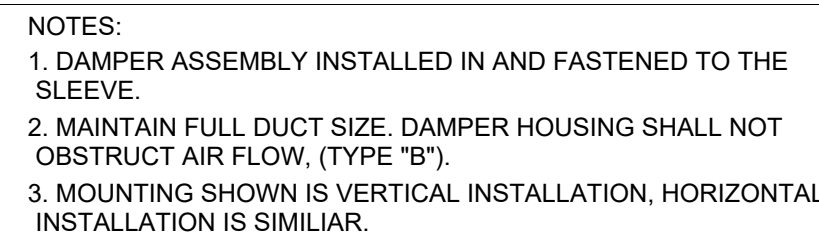
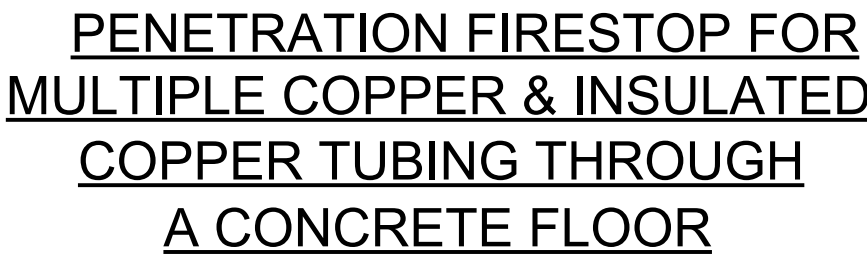
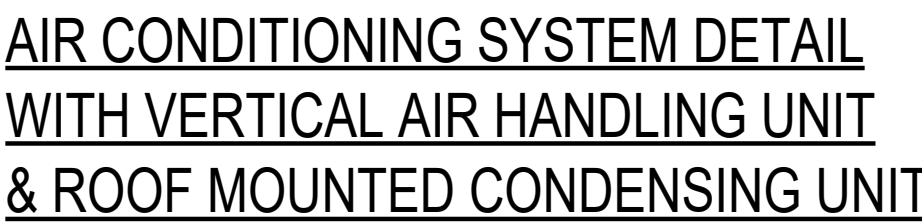
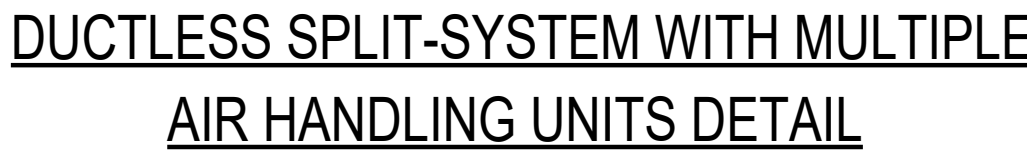


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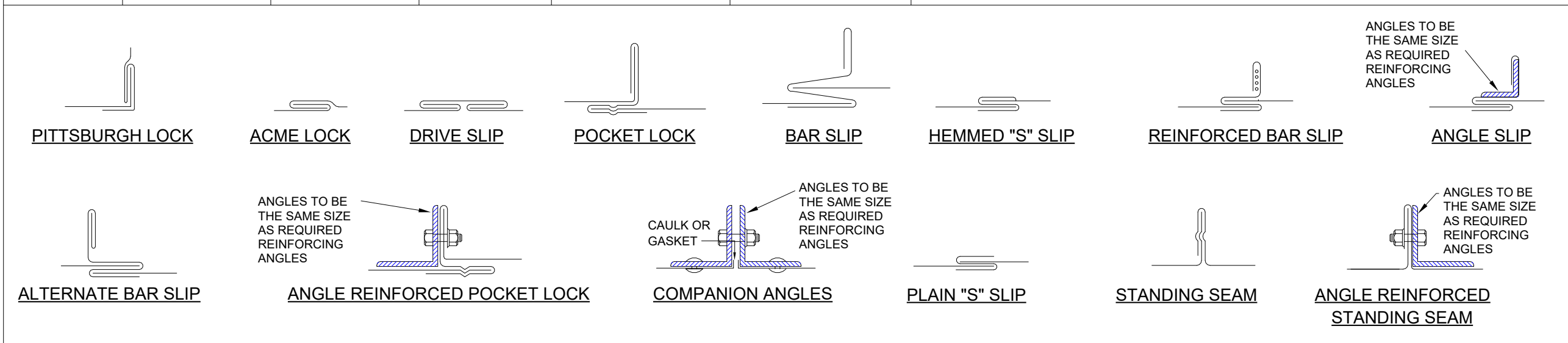
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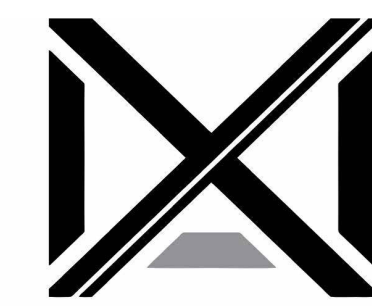
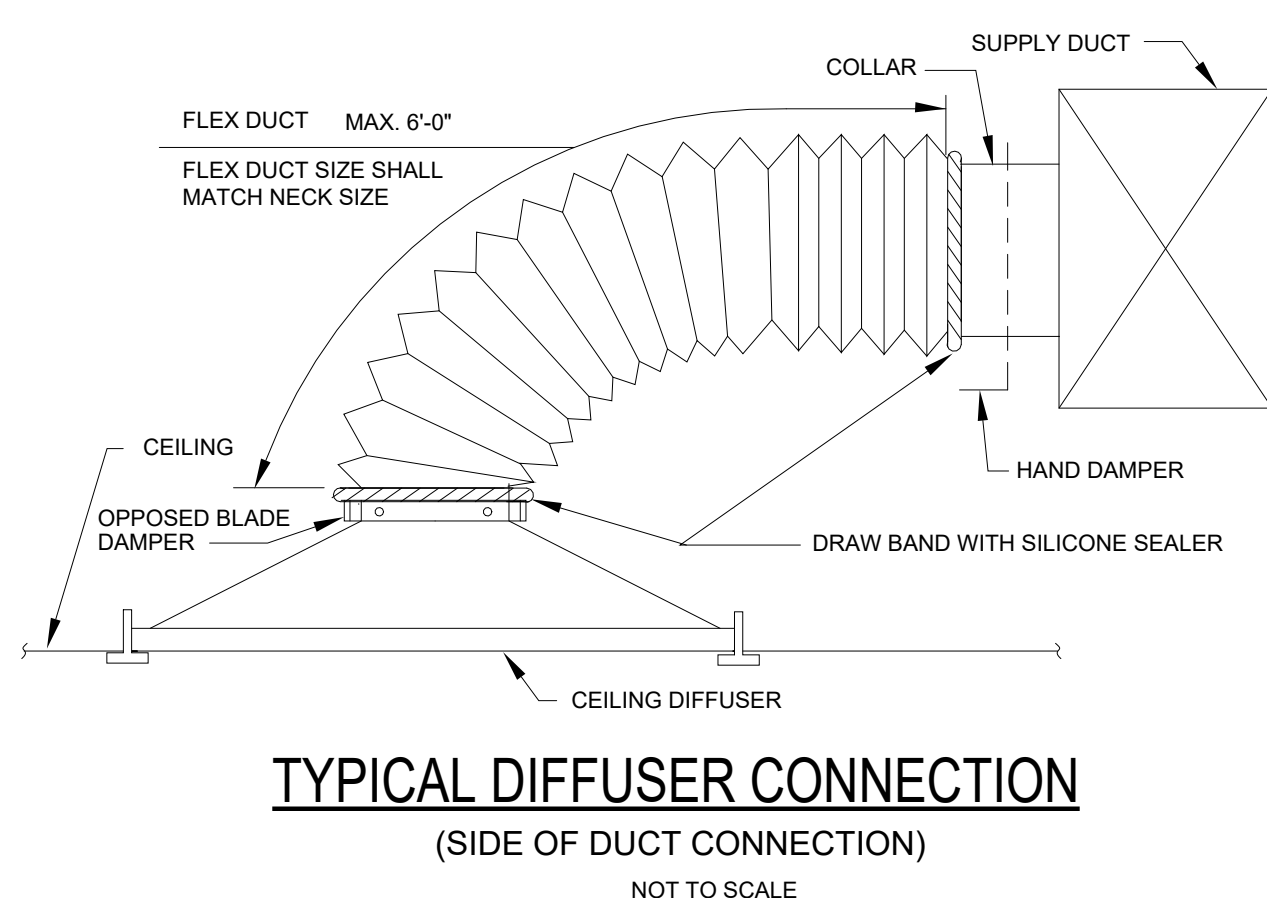
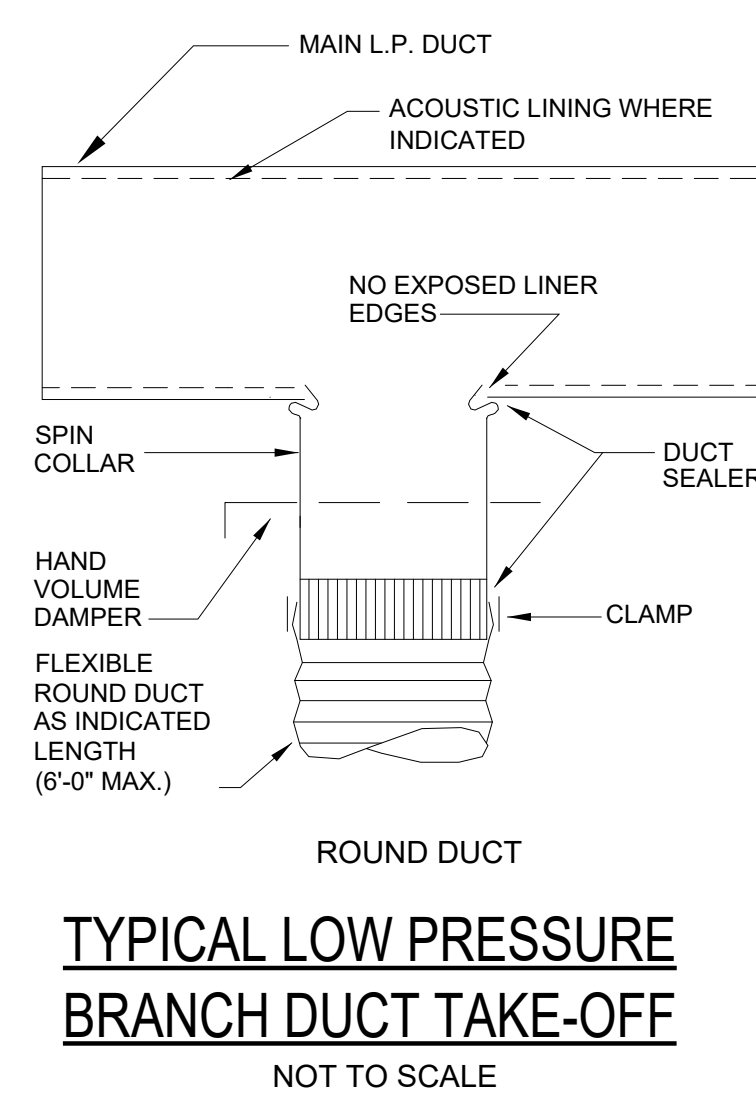
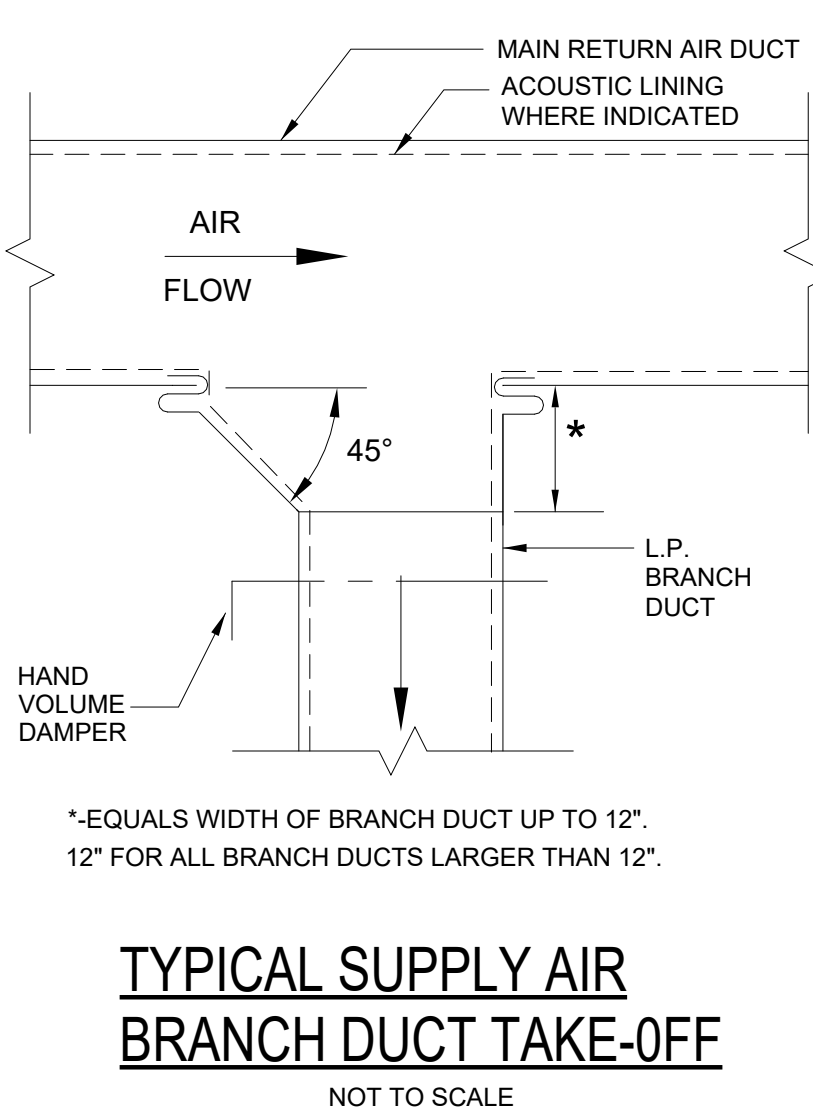
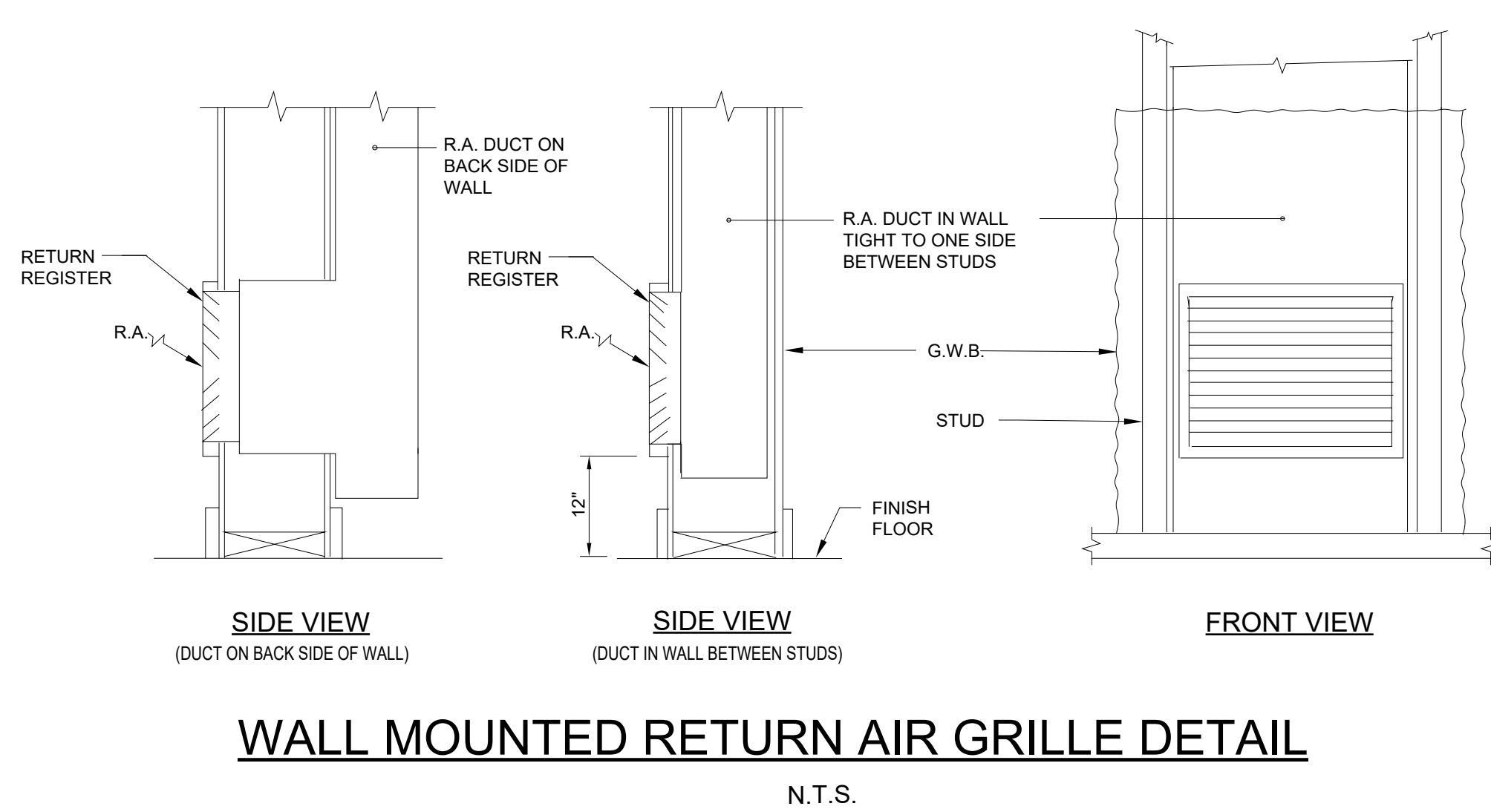
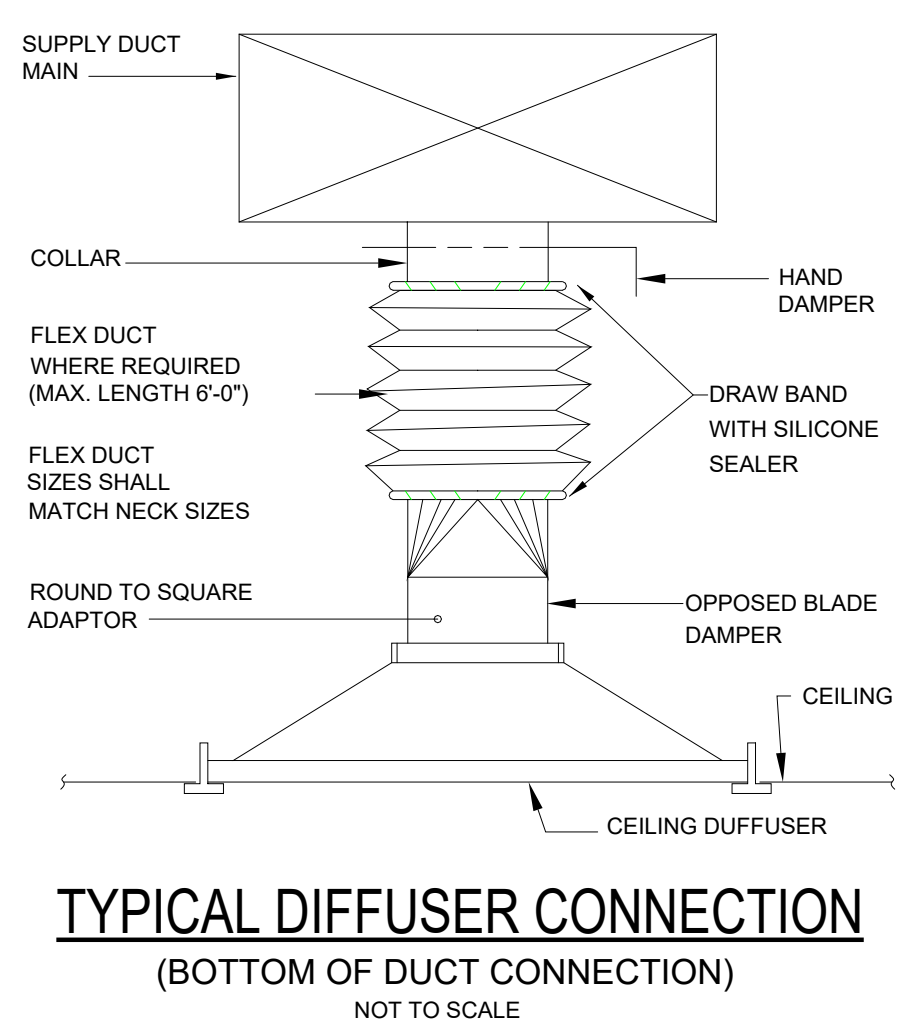
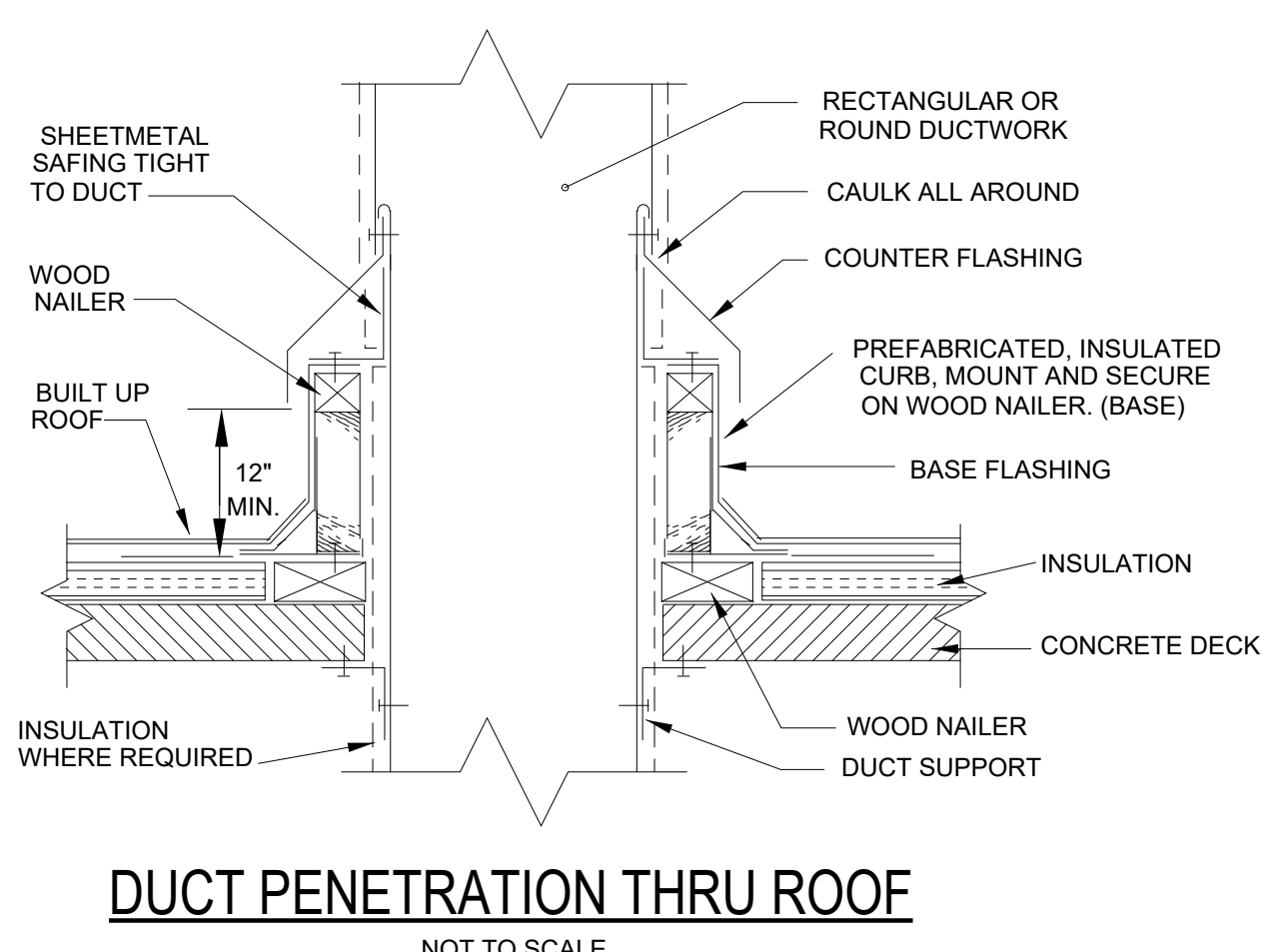
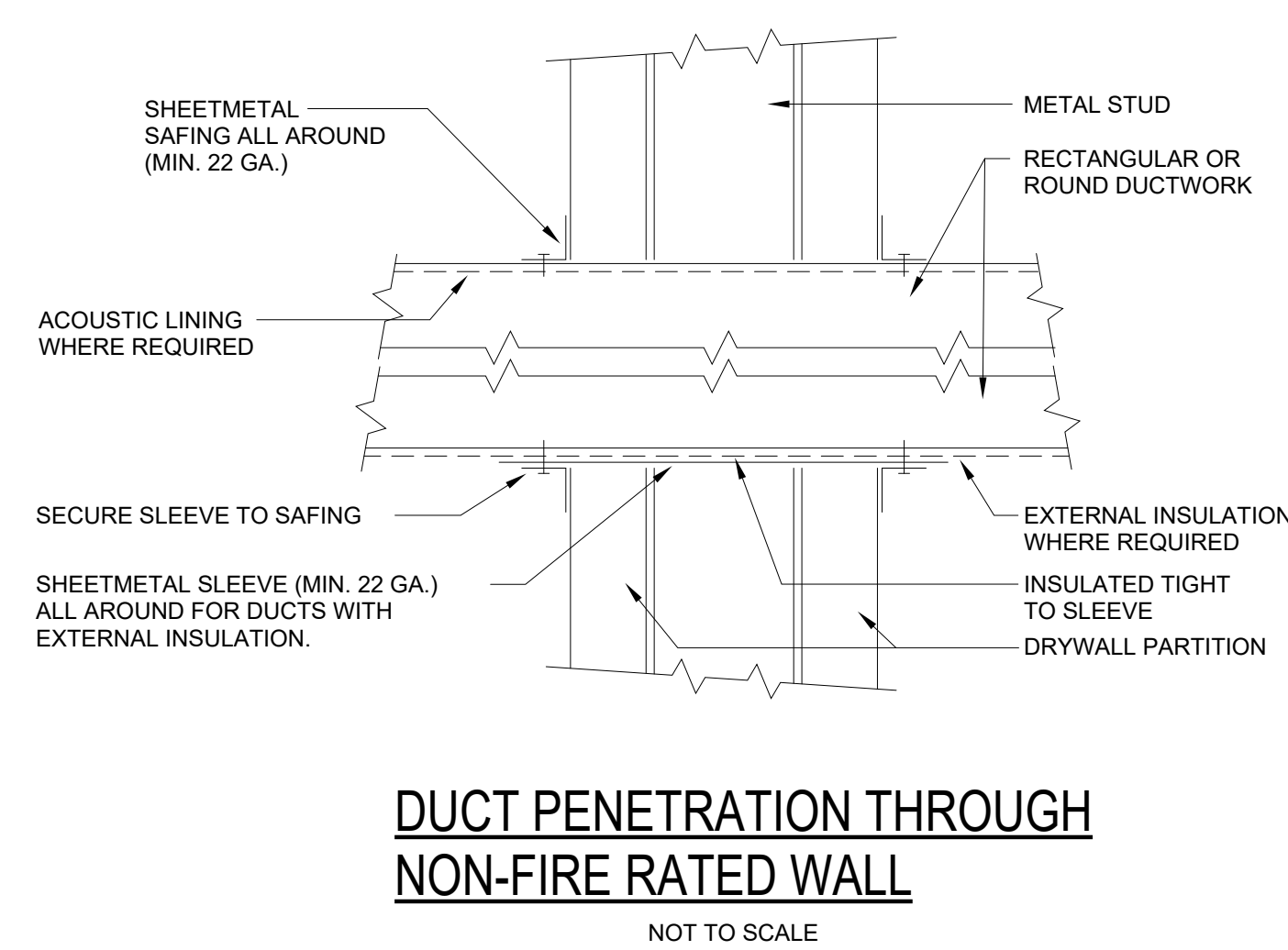
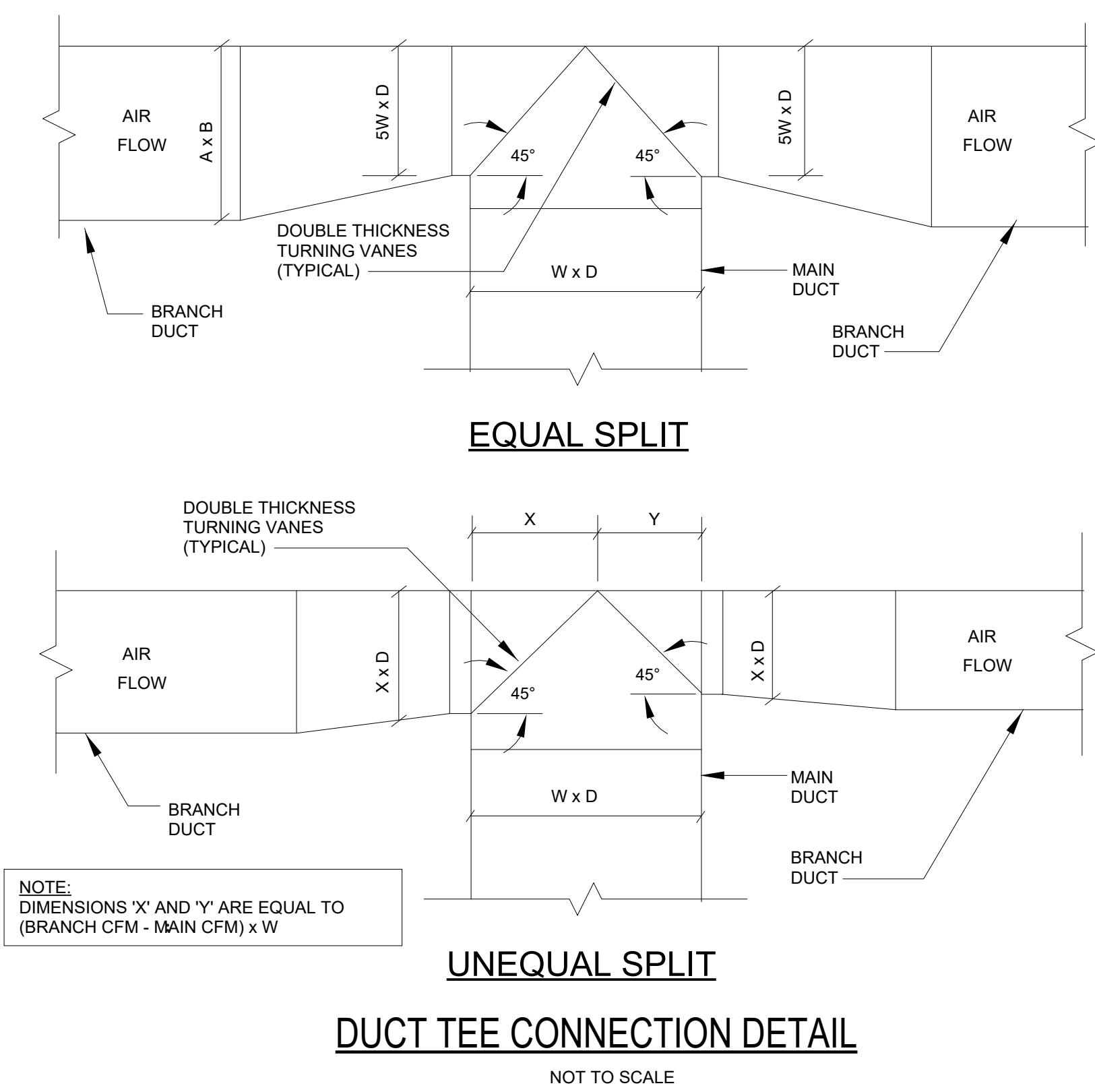
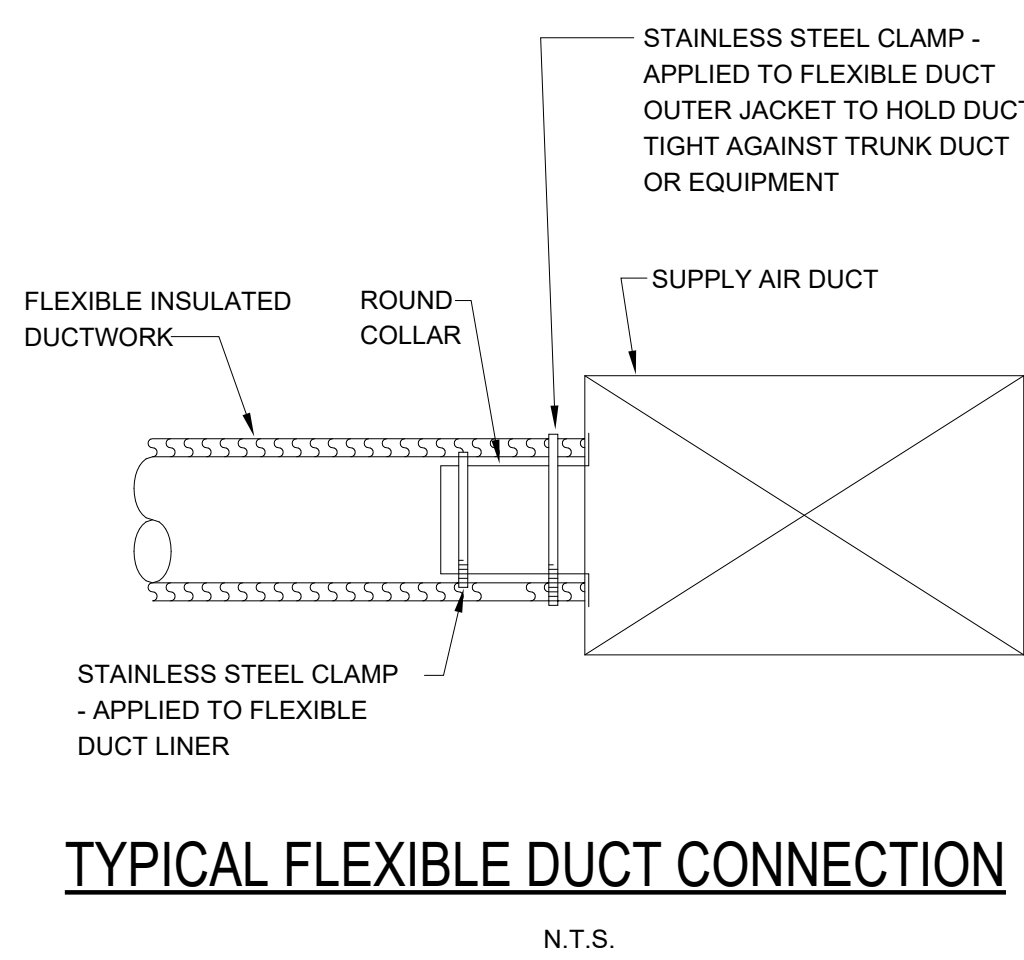
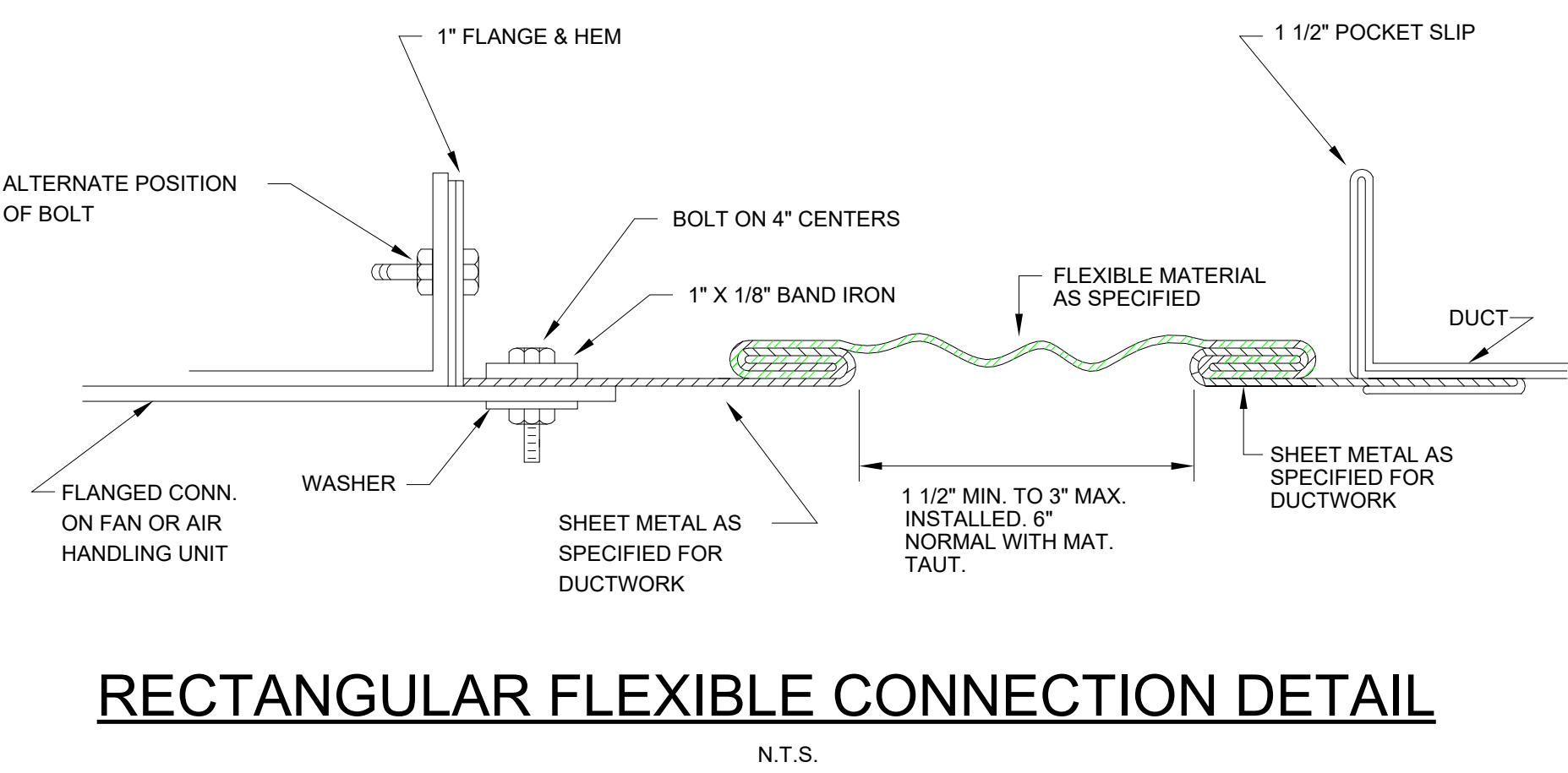
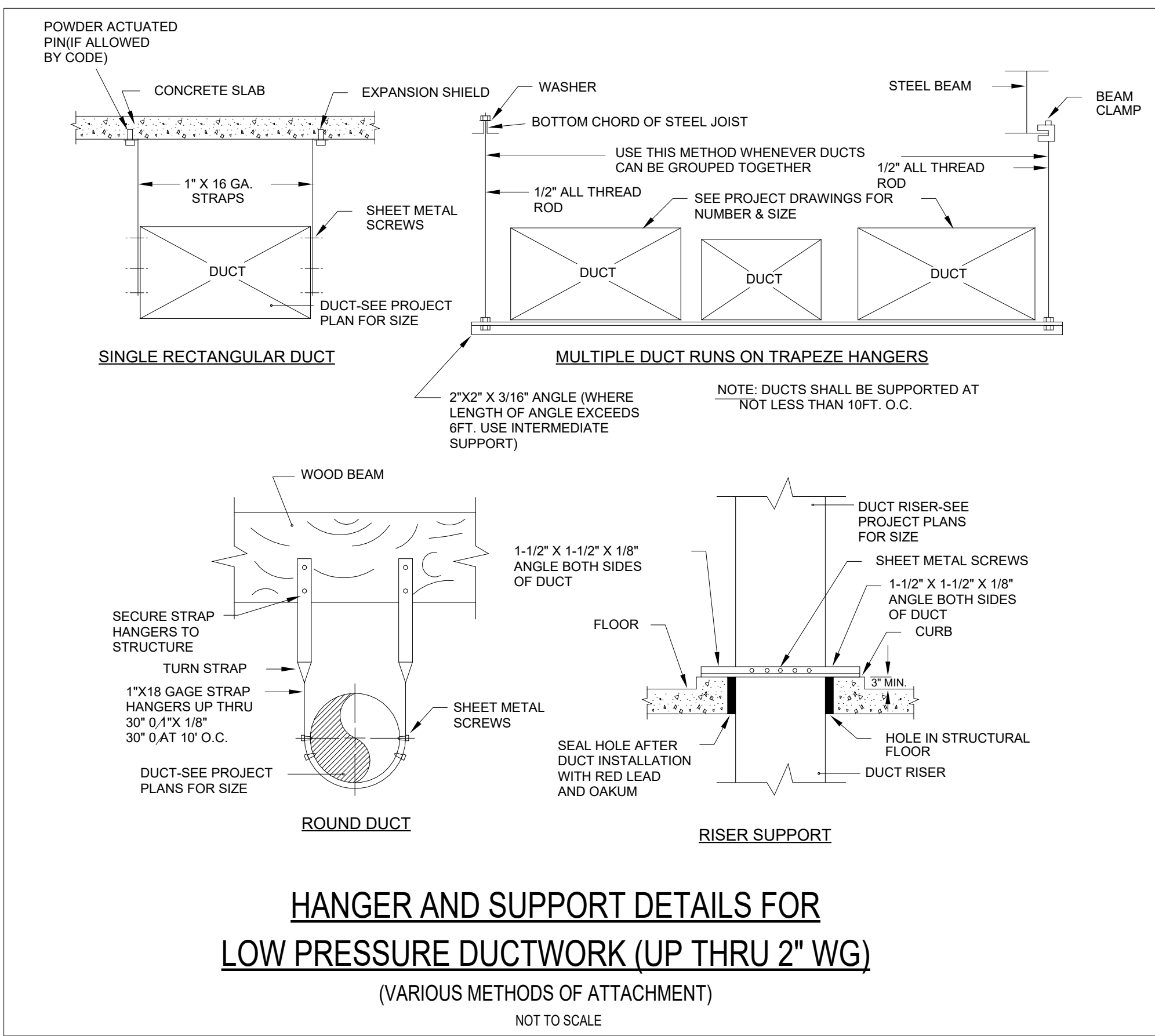


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RECTANGULAR DUCTS			
MAXIMUM SIZE (INCHES)	STEEL (MINIMUM THICKNESS, NOMINAL)	ALUMINUM (MINIMUM THICKNESS, NOMINAL)	
THROUGH 12	0.022 INCH (26 GAGE, GALV.)	0.020 INCH (NO. 24 B&S GAGE)	
13 THROUGH 18	0.028 INCH (24 GAGE, GALV.)	0.025 INCH (NO. 22 B&S GAGE)	
31 THROUGH 54	0.034 INCH (22 GAGE, GALV.)	0.032 INCH (NO. 20 B&S GAGE)	
55 THROUGH 84	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (NO. 18 B&S GAGE)	
OVER 84	0.052 INCH (18 GAGE, GALV.)	0.051 INCH (NO. 16 B&S GAGE)	

ROUND DUCTS				
MAXIMUM SIZE (INCHES)	SPIRAL SEAM DUCT	LONGITUDINAL SEAM DUCT		FITTINGS
	STEEL (MINIMUM THICKNESS, NOMINAL)	STEEL (MINIMUM THICKNESS, NOMINAL)	STEEL (MINIMUM THICKNESS, NOMINAL)	
THROUGH 12	0.019 INCH (28 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)	0.022 INCH (26 GAGE, GALV.)	
13 THROUGH 18	0.022 INCH (26 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)	0.028 INCH (24 GAGE, GALV.)	
19 THROUGH 28	0.028 INCH (24 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)	0.034 INCH (22 GAGE, GALV.)	
29 THROUGH 36	0.034 INCH (22 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)	0.040 INCH (20 GAGE, GALV.)	
37 THROUGH 52	0.040 INCH (20 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)	0.052 INCH (18 GAGE, GALV.)	



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PROJECT # : 26032

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LV COLLECTIVE

DD SET
9/30/2026

SHEET TITLE:
MECHANICAL
DETAILS

SHEET NUMBER:

M1.201

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DD SET
9/30/2026

SHEET NUMBER:

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100% OUTSIDE AIR UNIT

TAG	MANUFACTURER	EQP SERIES	AREA SERVED	FAN			COOLING										HEATING		FILTERS		WEIGHT (LB)	ACCESSORIES
				AIRFLOW (CFM)	MAX MOTOR HP	ESP (IN WC)	CAPACITY (MBH)		TEMP (F)				EFFICIENCY		CAPACITY (MBH)	EAT (F)	MERV RATING					
							TOT	SENS	EAT		LAT	OUTDOOR AMB DB	EER	IEER	MAX OUTPUT							
									DB	WB								DB/DP				
DOAS-A	DAIKIN	DPSC31B	SEE DRAWINGS	5000	5	2.8	360.2	206.5	95	79.1	72/53.9	95			450	17	8	1808	A, B, C, D, E, F, G, H, I			
NOTES:																						
1.	COOLING CAPACITY BASED ON DESIGN WET BULB AND MEAN COINCIDENT DRY BULB LISTED AND A PROJECT ELEVATION OF 173'.																					
2.	REFRIGERANT SHALL BE R32.																					
3.	PROVIDE WITH CLASS 1, LOW-LEAKAGE TYPE OUTSIDE AIR SHUTOFF DAMPERS WITH BLADE AND JAMB SEALS.																					
4.	COMPRESSORS SHALL HAVE ANTI-CYCLE CONTROLS, CRANKCASE HEATERS ON ALL COMPRESSORS AND VARIABLE CAPACITY ON AT LEAST ONE COMPRESSOR.																					
5.	UNITS SHALL BE AHRI 340/360 RATED, PROVIDED WITH 2" PLEATED DISPOSABLE FILTERS, DIRTY FILTER MONITOR AND ALARM, CONDENSATE OVERFLOW SWITCH, SS DRAIN PAN, SINGLE POINT POWER CONNECTION, WEATHER HOOD WITH ALUMINUM MESH FILTERS, PHASE AND BROWNOUT PROTECTION, AND COOLING OPERATION DOWN TO 40°F.																					
7.	FANS SHALL BE DIRECT DRIVE PLENUM TYPE WITH PREMIUM EFFICIENCY MOTORS AND VARIABLE SPEED DRIVE.																					
7.	PROVIDE FULLY MODULATING HOT GAS RE-HEAT.																					
8.	PROVIDE MANUFACTURER STARTUP AND REPORT.																					
9.	MOUNT ON MINIMUM 1" DEFLECTION SPRING VIBRATION RAILS.																					
10.	UNITS SHALL BE ABLE TO CONTROL LAT DEW POINT TEMPERATURE AS SCHEDULED AND REHEAT LAT TO 75°F FROM 0 TO 100% CAPACITY.																					
ACCESSORIES:																						
A.	BAS COMPATIBLE CONTROLLER, PROGRAMMABLE DIGITAL DISPLAY THERMOSTAT																					
B.	REMOTE CONTROL PANEL																					
C.	UNIT MOUNTED FACTORY DISCONNECT																					
D.	SMOKE DETECTOR MOUNTED IN SUPPLY AIRSTREAM																					
E.	GFCI 15 AMP CONVENIENCE OUTLET POWERED ON LINE SIDE OF DISCONNECT																					
F.	TWO SCROLL COMPRESSORS OPERATE DOWN TO 17% OF TOTAL CAPACITY																					
G.	CONDENSER COIL HAIL GUARDS																					
H.	CONDENSATE OVERFLOW PROTECTION VIA FLOAT SWITCH IN DRAIN PAN TO SHUT DOWN UNIT																					
I.	BOTTOM DISCHARGE CURB																					

FAN SCHEDULE														
TAG	MANUFACTURER	MODEL	TYPE	DUTY	CFM	SP	MAX HP	RPM	DRIVE	SONES	CONTROL	EMERGENCY POWER	VOLTAGE	ACCESSORIES
EF-A	BROAN	FAN-180-HW	FRESH AIR INTAKE	DWELLIN WHOLE UNIT VENTILATION	130	0.2	18.2W	600	DIRECT	---	AHJ	NO	120	2
EF-B	BROAN	AE110L	LOW PROFILE LIGHT	RESTROOM EXHAUST	92	0.25	23.4W	---	DIRECT	1	WS	NO	120	1.3
EF-C	BROAN	L100E	LOW PROFILE	DWELLING KITCHEN EXHAUST	103	0.25	21W	803	DIRECT	0.7	WS	NO	120	1
EF-1	GREENECK	GB-140	INLINE CENTRIFUGAL	TRASH EXHAUST	1700	0.5	0.5	1156	DIRECT	9.8	CONTINUOUS	NO	208V3	4
EF-2	GREENECK	GB-120	INLINE CENTRIFUGAL	TRASH EXHAUST	1200	0.5	0.25	1263	DIRECT	9.8	CONTINUOUS	NO	208V3	4
EF-3	GREENECK	IC-24-B3-J7-QD	CIRCULATION	PARKING GARAGE CIRCULATION	---	---	1/3	1200	DIRECT	---	CONTINUOUS	NO	120	---
EF-4	GREENECK	AX-80-190-0615	TUBE AXIAL DIRECT	PARKING GARAGE BASELINE EXHAUST	10000	0.35	1.5	1174	DIRECT	25	CONTINUOUS	NO	208V1	4
EF-5	GREENECK	USF-54-B6	INLINE CENTRIFUGAL	PARKING GARAGE DEMAND EXHAUST	50000	0.35	25	557	BELT	55	CO SENSOR	NO	208V3	4
ACCESSORIES:														
1.	GRAVITY BACKDRAFT DAMPER													
2.	MOTORIZED BACKDRAFT DAMPER													
3.	WALL MOUNTED TIMER SWITCH													
4.	MOTOR VFD EQUIPPED FOR BALANCING PURPOSES													
5.	PRESSURE SENSOR CONTROLLED													

FIRE & SMOKE CONTROL SCHEDULE						
TAG	DEVICE	MANUFACTURER	MODEL	SIZE	LOCATION	NOTES
FSD-A	FIRE SMOKE DAMPER	GREENHECK	FSD-212	DUCT	SEE DWG	1, 2
FSD-B	FIRE SMOKE DAMPER	GREENHECK	FSDR-611	6" ø	SEE DWG	1, 2
NOTES:						
1.	120VAC POWER					
2.	2 POSITION, SPRING RETURN					

SPLIT SYSTEM HEAT PUMPS							
HEAD			HEAT PUMP		ELECTRICAL		
MODEL	CAPACITY	CFM	MODEL	CAPACITY	HEAD		HEAT PUMP
					MCA	MOCP	MCA
1818TAVJU	18000	353	R2R18T8VJU/A	18000			
2424TAVJU	24000	353	R2R24T8VJU/A	24000			
1800018AAVJU	18000	353	R2H18T8VJU/A	18000			
2400024AAVJU	24000	765	R2R24T8VJU/A	24000			
3000030AAVJU	30000	765	R2H30T8VJU/A	30000			
3600036AAVJU	36000	765	R2H36T8VJU/A	36000			

MENTS.



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DD SET
9/30/2026

HEET TITLE:
PARKING BUILDING
PLAN - LEVEL 01

HEET NUMBER:

M2.110

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HEET TITLE:
PARKING BUILDING
PLAN - LEVEL 02

HEET NUMBER:

M2.120

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HEET TITLE:
PARKING BUILDING
PLAN - LEVEL 03

HEET NUMBER:

M2.130

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SHEET TITLE:
PARKING BUILDING
PLAN - LEVEL 04

HEET NUMBER:

M2.140



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HEET TITLE:
PARKING BUILDING
PLAN - LEVEL 05

HEET NUMBER:

M2.150

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HEET TITLE:
PARKING BUILDING
PLAN - LEVEL 06

HEET NUMBER:

M2.160

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9/30/2026

SHEET TITLE:
PARKING BUILDING
PLAN - ROOF

HEET NUMBER:

M2.170

1 ROOF PARKING GARAGE
1/8" = 1'-0"

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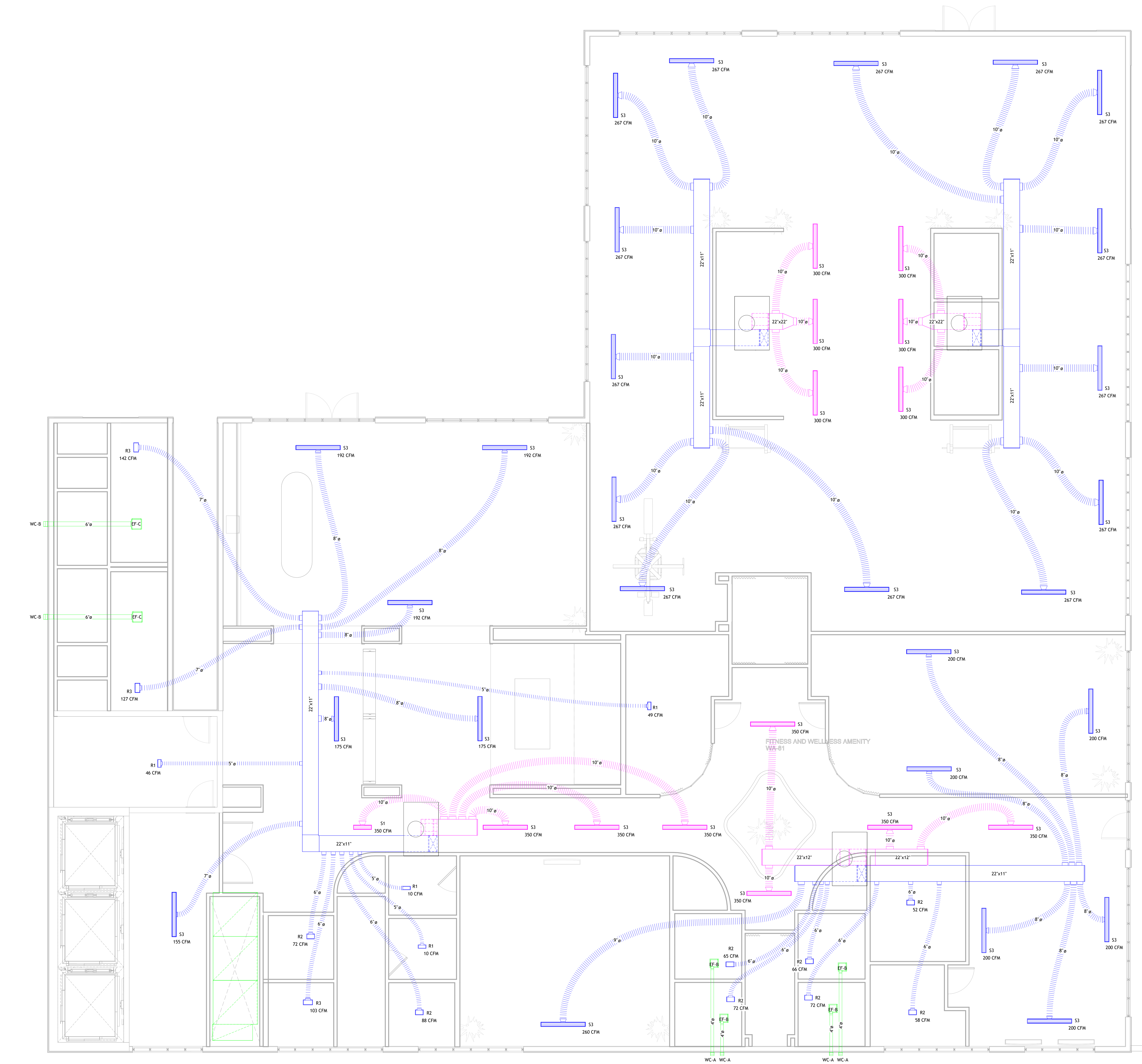
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LV COLLECTIVE

HEET TITLE:
MECHANICAL
ENLARGED PARKING
GARAGE LEVEL 8

M2.300

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1 LEVEL 08 PARKING GARAGE
1/4" = 1'-0"

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PARKING BUILDING
VENTILATION RISERS

HEET NUMBER:

M2.400

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