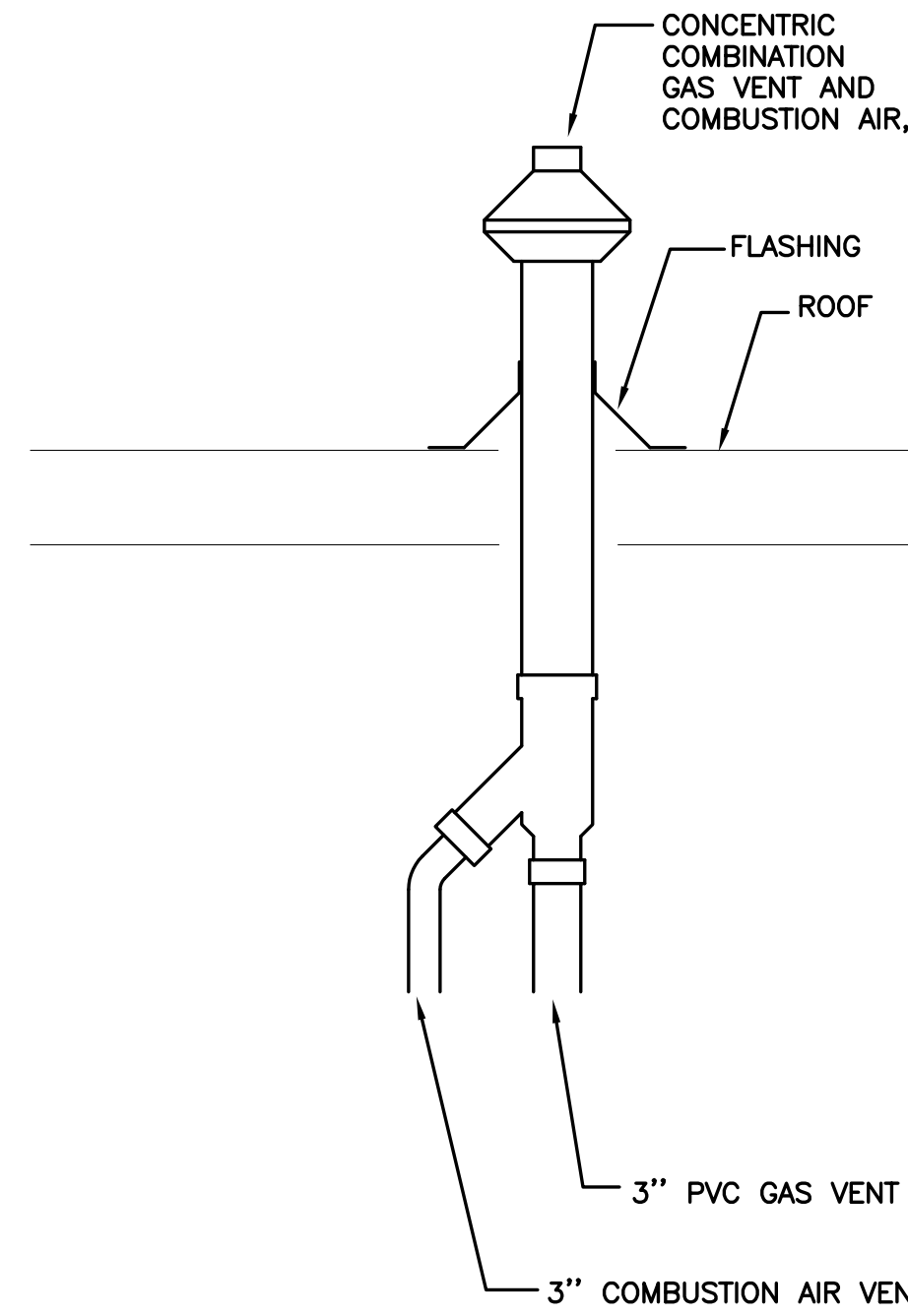


1 EXHAUST FAN
M6.1 DETAIL



2 CONCENTRIC GAS VENT
M6.1 DETAIL

VENTILATION AIR SCHEDULE																
ROOM NUMBER AND NAME	AREA (SQ. FT.)	OCCUPANT LOAD (#/1000 SQ. FT.)	NUMBER OF OCCUPANTS	OUTSIDE AIR REQUIREMENT (CFM/P)	OUTSIDE AIR REQUIREMENT (CFM/SQ. FT.)	OUTSIDE AIR REQUIRED (CFM)	ZONE OSA (CFM)	SUPPLY AIR (CFM)	PRIMARY OSA FRACTION	RETURN AIR (CFM)	EXHAUST AIR (CFM)	EXHAUST AIR (CFM)	EXHAUST AIR (CFM)			
	Az	Pz	Rp	Ra	Ra	Vaz	Es	Voz	Voz	Zp						
EXAM 1	105	10	2	25	0	50	1.0	50	100	0.50	150	0				
EXAM 2	105	10	2	25	0	50	1.0	50	100	0.50	150	0				
EXAM 3	105	10	2	25	0	50	1.0	50	100	0.50	150	0				
EXAM 4	105	10	2	25	0	50	1.0	50	100	0.50	150	0				
EXAM 5	105	10	2	25	0	50	1.0	50	100	0.50	150	0				
EXAM 6/ANATOMY	150	10	2	25	0	50	1.0	50	150	0.33	150	0				
SOLED UTILITY 229	67	0	0	0	0	0	1.0	0	75	0.00	0	100				
MEDS 220	104	10	2	25	0	50	1.0	50	75	0.67	75	0				
SOLED W/HDG 224	59	0	0	0	0	0	1.0	0	75	0.00	0	100				
HOUSEKEEPING 223	59	0	0	0	0	0	1.0	0	75	0.00	0	100				
STAFF TOILET222	50	10	0	0	0	0	1.0	0	50	0.00	0	75				
STORAGE 221	112	10	0	0	0.08	7	1.0	7	50	0.13	50	0				
BAT 214	82	5	1	5	0.06	10	1.0	10	100	0.10	100	0				
PROVIDER 213	129	5	1	5	0.06	13	1.0	13	130	0.10	130	0				
PATIENT TOILET212	50	10	0	0	0	0	1.0	0	50	0.00	0	75				
SPECIMEN TOILET216	50	10	0	0	0	0	1.0	0	0	0.00	0	75				
SPECIMEN TOILET215	50	10	0	0	0	0	1.0	0	0	0.00	0	50				
PUBLIC TOILET201	50	10	0	0	0	0	1.0	0	50	0.00	0	75				
UDS WORK 214	242	5	2	5	0.06	25	1.0	25	300	0.08	300	0				
NURSES STATION 208/SCALES	490	5	3	5	0.06	44	1.0	44	400	0.11	400	0				
HALLWAY	404	0	0	0	0.06	24	1.0	24	250	0.10	250	0				
EXISTING RT RTU	2873					473		473	2330		2205	625				
CORRECTED TOTAL OUTDOOR AIR FRACTION												0.38				
CORRECTED TOTAL OUTDOOR AIR FLOW RATE												881	(MINIMUM OSA)			

VENTILATION AIR SCHEDULE																
ROOM NUMBER AND NAME	AREA (SQ. FT.)	OCCUPANT LOAD (#/1000 SQ. FT.)	NUMBER OF OCCUPANTS	OUTSIDE AIR REQUIREMENT (CFM/P)	OUTSIDE AIR REQUIREMENT (CFM/SQ. FT.)	OUTSIDE AIR REQUIRED (CFM)	ZONE OSA (CFM)	SUPPLY AIR (CFM)	PRIMARY OSA FRACTION	RETURN AIR (CFM)	EXHAUST AIR (CFM)	EXHAUST AIR (CFM)	EXHAUST AIR (CFM)			
	Az	Pz	Rp	Ra	Ra	Vaz	Es	Voz	Voz	Zp						
MANAGER 204	82	5	1	5	0.06	10	1.0	10	150	0.07	150	0				
Waiting 200	484	50	25	5	0.06	154	1.0	154	1200	0.13	1200	0				
RECEPTION 209/HALLWAY	190	5	1	5	0.06	16	1.0	16	200	0.08	200	0				
EXISTING ST RTU	484					170		170	1550		1550	0				
CORRECTED TOTAL OUTDOOR AIR FRACTION												0.11				
CORRECTED TOTAL OUTDOOR AIR FLOW RATE												174	(MINIMUM OSA)			

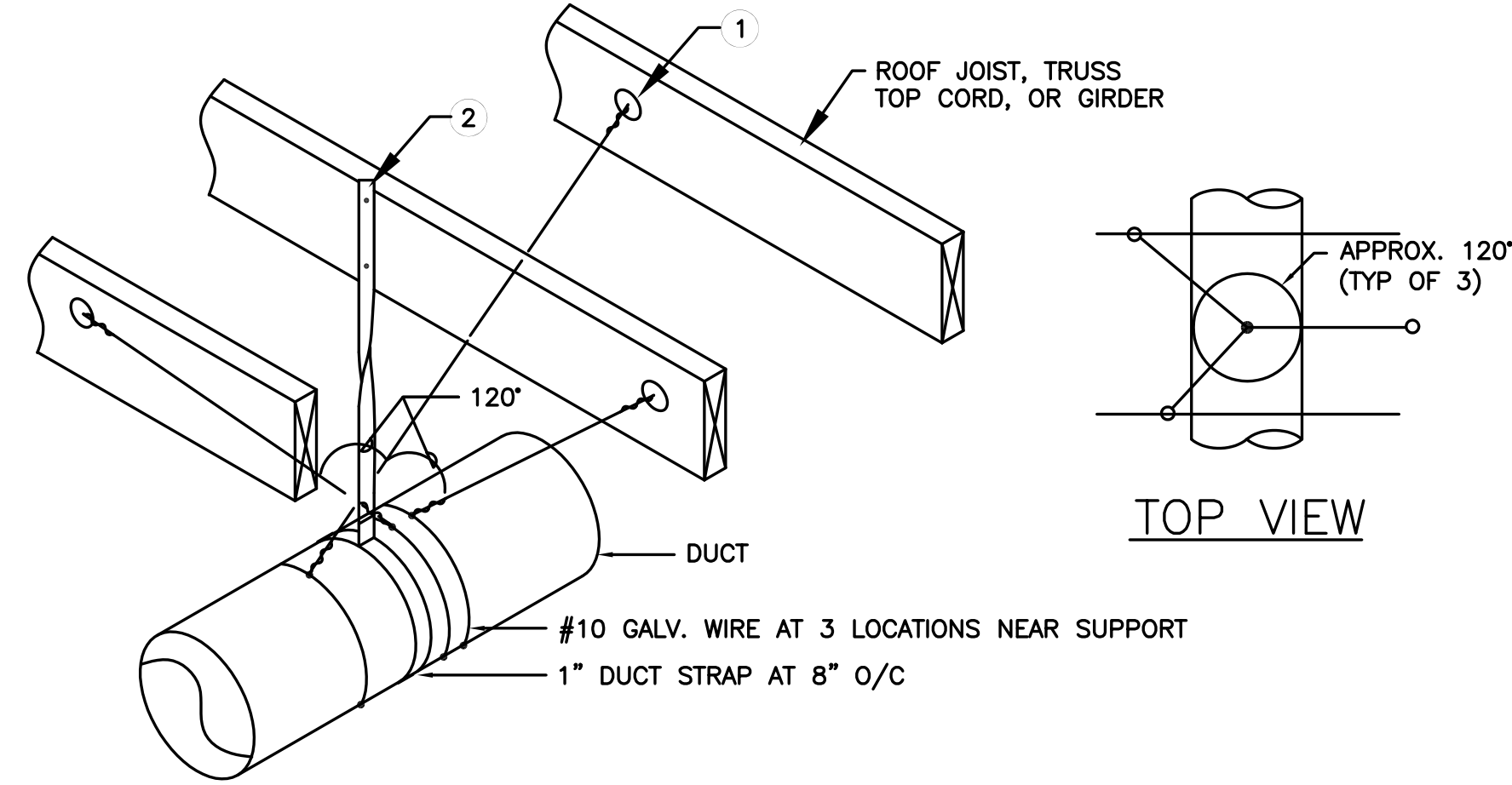
EXHAUST FANS	
MARK NUMBER	EF 1
SYSTEM	NEW
TYPE	ROOF TOP
CFM	625
TOTAL SP. (IN H2O)	0.5"
RPM	1554
MOTOR HP	1/6
CONTROLLED BY	DDC
INTERLOCK WITH	
BACK DRAFT DAMPER	NO
2-POS DAMPER	YES
ISOLATION	-
DESIGN WEIGHT (LBS)	50
MAX. SONES	9.5
BASIS OF DESIGN	GREENCHECK (2-10-A)
SPEED CONTROLLER	YES

ROOFTOP HVAC UNITS		
MARK NUMBER	RTU-5T (1/2)	RTU-6T-A (2)
SYSTEM	EXISTING	EXISTING
TYPE		
TOTAL CFM	1550	2330
ECONOMIZER(0%-100%)	EXISTING	EXISTING
MIN. OSA (CFM)	175	885
EXTERNAL SP. ("H2O)	1.25	1.75
RPM		
WHEEL TYPE/ SIZE		
MOTOR HP.		
POWER EXH FAN		
MIN FILTER AREA SQ. FT.		
FILTER TYPE	2"- 30%	2"- 30%
HEATING		
GAS INPUT (MBH)	99	100
EFF.	80%	80%
STAGES	1	1
TOTAL CLG. (TONS)	5 T	6 T
COOLING		
SENSIBLE CLG. (MBH)		
ENT. EVAP AIR TEMP (DB/WB.)		
AMBIENT AIR (°F)		
EFFICIENCY		
DESIGN WEIGHT (LBS.)		
SMOKE DETECTOR	NO	YES
CO2 SENSOR	YES	NO
ISOLATION CURB		EXISTING

- 1 - PROVIDE NEW CO2 SENSOR, DCV/ECONOMIZER CONTROLLER.
- 2 - PROVIDE NEW UNIT CONTROLLER FOR EACH EXISTING UNIT. EXISTING ECONOMIZER CONTROLLER TO REMAIN.

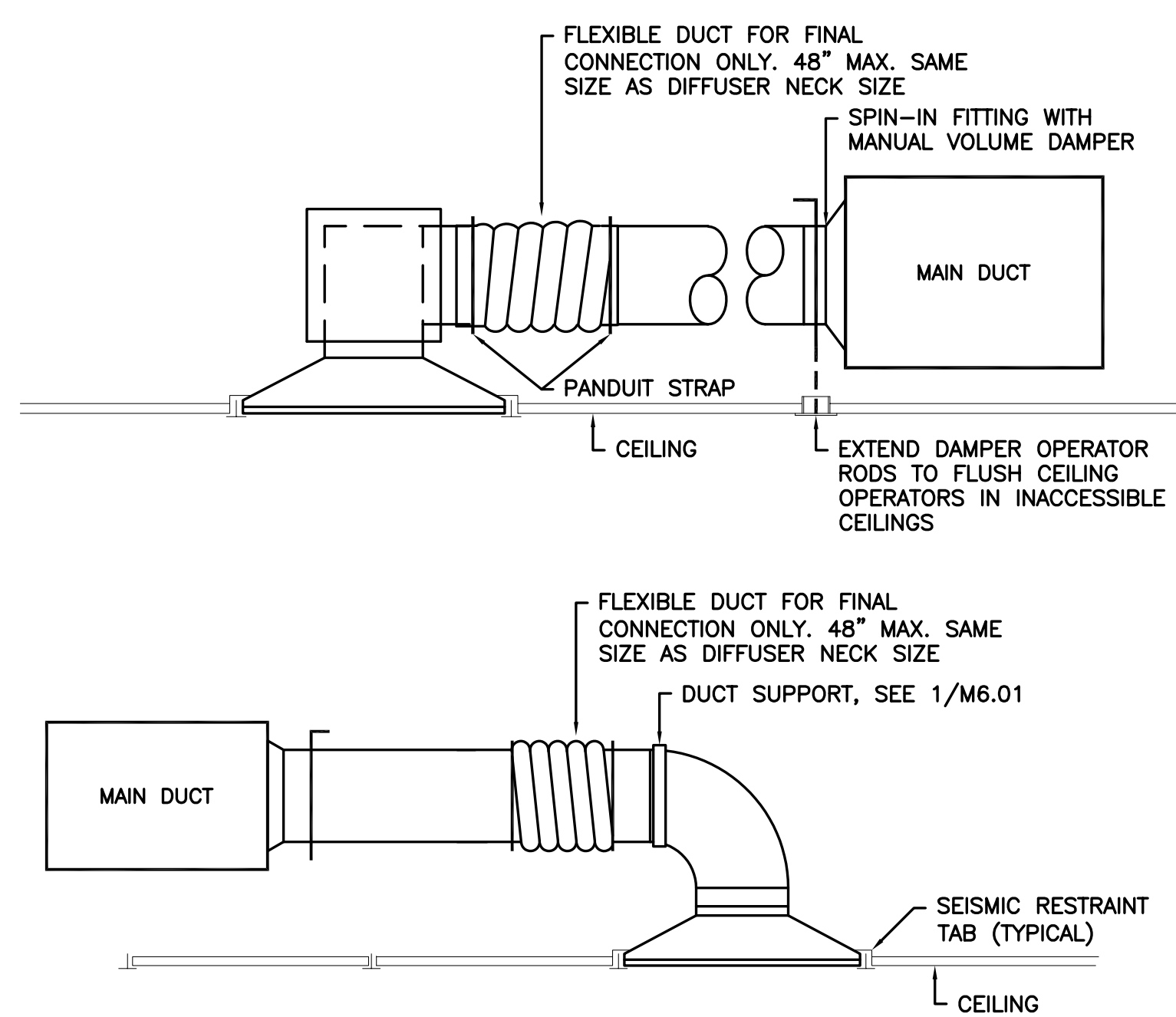
1/M6.01 NOTES

- 1 - 1/4" GALV. THREADED EYE BOLT @ CENTER OF WOOD MEMBER (TYP. OF 3). FOR Z-GIRT USE MACHINE THREAD EYE BOLT W/ JAMB NUT & 1/4" WASHER @ EACH SIDE OF GIRT
- 2 - ATTACH TO TOP CORD. OF TRUSS ONLY OR WOOD JOIST W/ #12 X 1-5/8 DECK SCREW @ MIN. 1" FROM WOOD MATERIAL EDGE. ATTACH TO Z-GIRT W/ (2) #12 TEK SCREWS

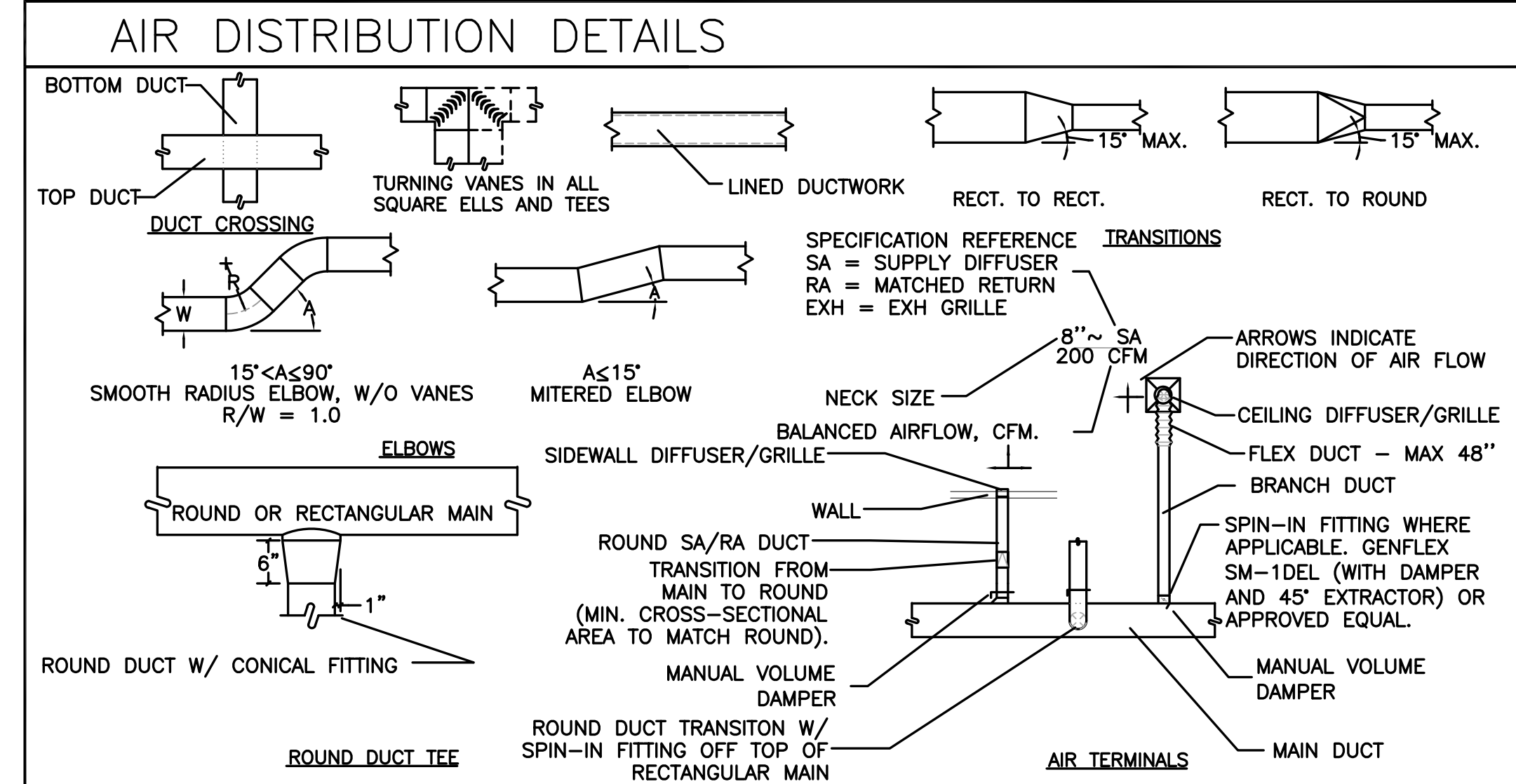


- FOR SHEETMETAL DUCTS 11" TO 27" IN DIAMETER & ALL SQUARE OR RECTANGULAR DUCTS (STRAP ALONE IS SUFFICIENT FOR DUCTS SMALLER THAN 11" IN DIAMETER)
- STRAP INTERVAL MAY BE DECREASED (LESS THAN 8" O/C TO REDUCE THE NEED FOR WIRE TIES AS DETAILED. CONSULT ENGINEER OR SMACNA STANDARDS)

4 DUCT SUPPORT
M6.1 SCALE: DETAIL



3 CEILING SA DIFFUSER / RA GRILLE DETAIL
M6.1 SCALE: DETAIL



MECHANICAL LEGEND	
[Symbol]	SUPPLY AIR DIFFUSER
[Symbol]	RETURN AIR GRILLE
[Symbol]	EXHAUST AIR GRILLE
[Symbol]	PERFORATED RETURN AIR PANEL
[Symbol]	DIRECTIONAL AIR FLOW
[Symbol]	MANUAL VOLUME DAMPER
[Symbol]	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
[Symbol]	EXHAUST AIR DUCT UP & DOWN
[Symbol]	SUPPLY OR OUTSIDE AIR DUCT UP & DOWN
[Symbol]	RETURN AIR DUCT UP & DOWN
[Symbol]	EXHAUST AIR DUCT UP & DOWN
[Symbol]	VAV TERMINAL UNIT
[Symbol]	VV TERMINAL UNIT
(E)	EXISTING
[Symbol]	CONNECT TO EXISTING
Ⓟ	NOTE
[Symbol]	EQUIPMENT DESIGNATOR
[Symbol]	BALL VALVE
[Symbol]	GATE VALVE
[Symbol]	CHECK VALVE
[Symbol]	BALANCING VALVE
[Symbol]	THERMOMETER
[Symbol]	DIRECTION OF FLOW
[Symbol]	PUMP
[Symbol]	STRAINER
[Symbol]	PRESSURE GAUGE
[Symbol]	PETE'S PLUG
[Symbol]	DOUBLE CHECK ASSEMBLY
[Symbol]	PRESSURE REDUCING VALVE
[Symbol]	UNION
[Symbol]	2-WAY CONTROL VALVE
[Symbol]	3-WAY CONTROL VALVE
[Symbol]	CAP
[Symbol]	SMOKE DETECTOR
[Symbol]	MOTORIZED DAMPER
[Symbol]	EXISTING
[Symbol]	DEMOLISH
[Symbol]	NEW WORK
[Symbol]	HWS (HWS) HEATING WATER SUPPLY
[Symbol]	HWR (HWR) HEATING WATER RETURN
[Symbol]	FIRE DAMPER
[Symbol]	FIRE / SMOKE DAMPER
[Symbol]	SMOKE DAMPER
[Symbol]	SEISMIC BRACING
[Symbol]	LATERAL BRACING
[Symbol]	LONGITUDINAL BRACING
[Symbol]	LONGITUDINAL & LATERAL BRACING

