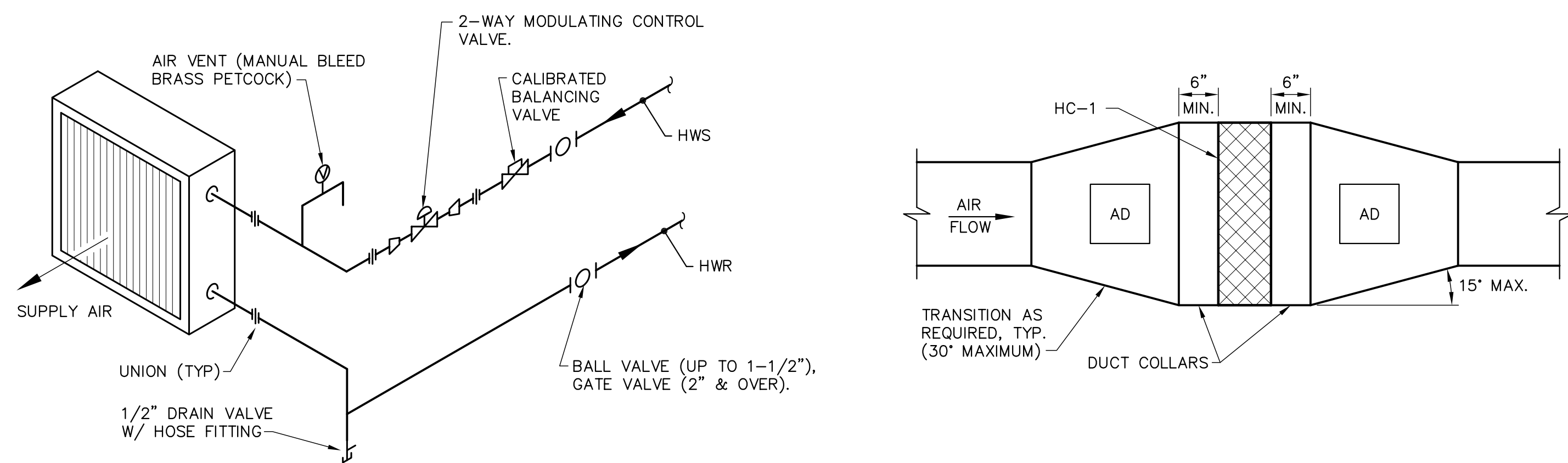


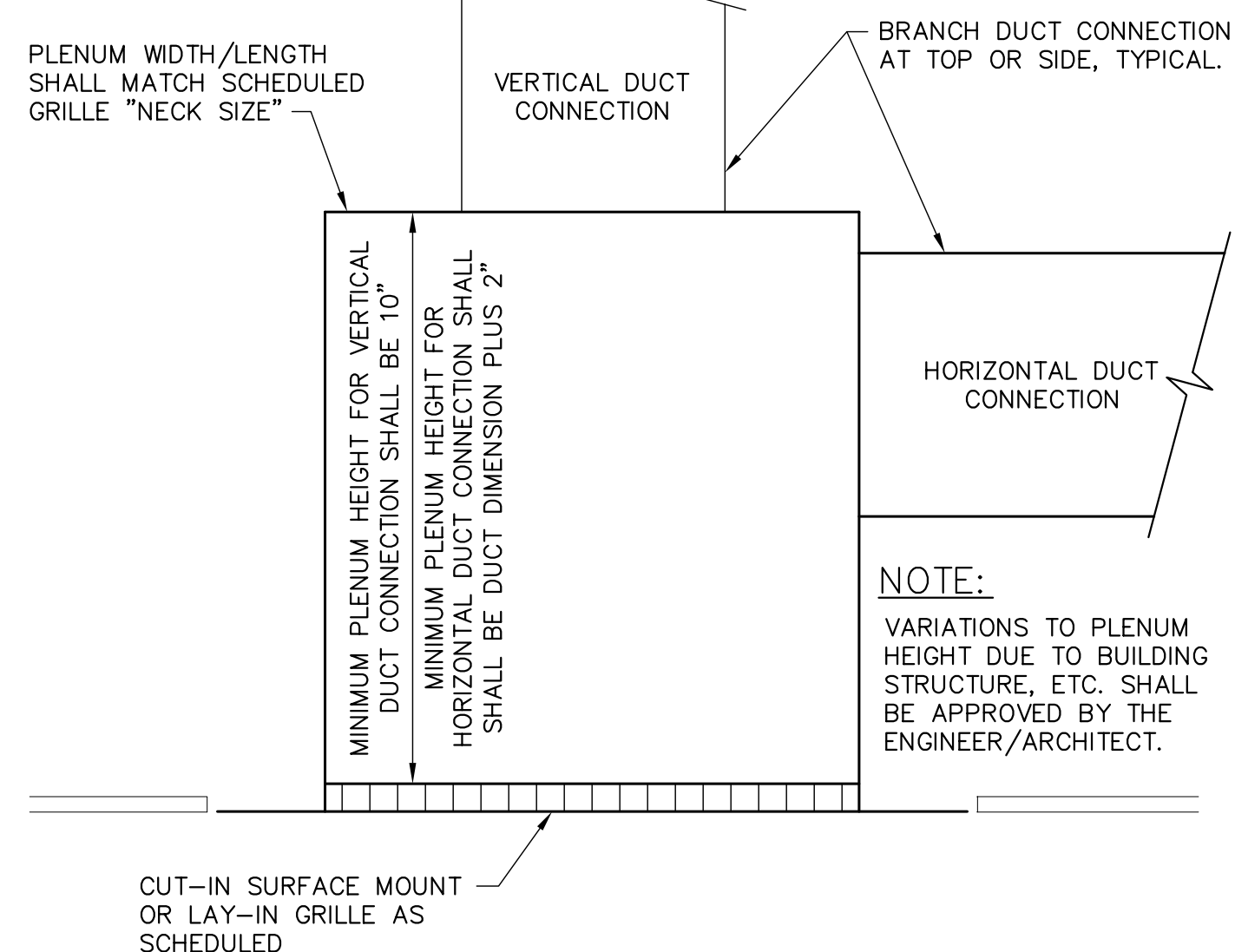
F1 DETAIL ~ SUPPLY AIR DIFFUSER CONNECTION

NOT TO SCALE



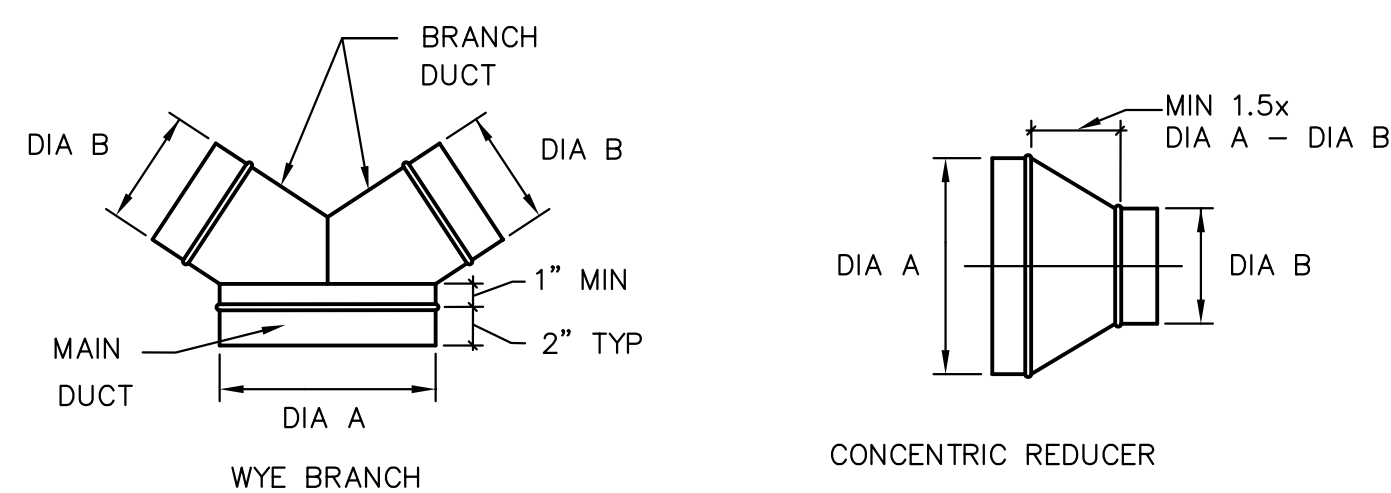
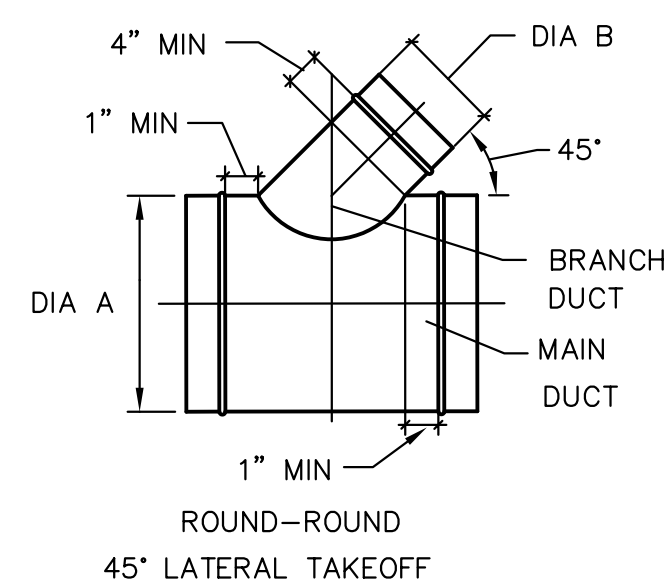
D1 DETAIL ~ DUCT HEATING COIL

NOT TO SCALE



A1 DETAIL ~ RETURN AIR REGISTER BOOT

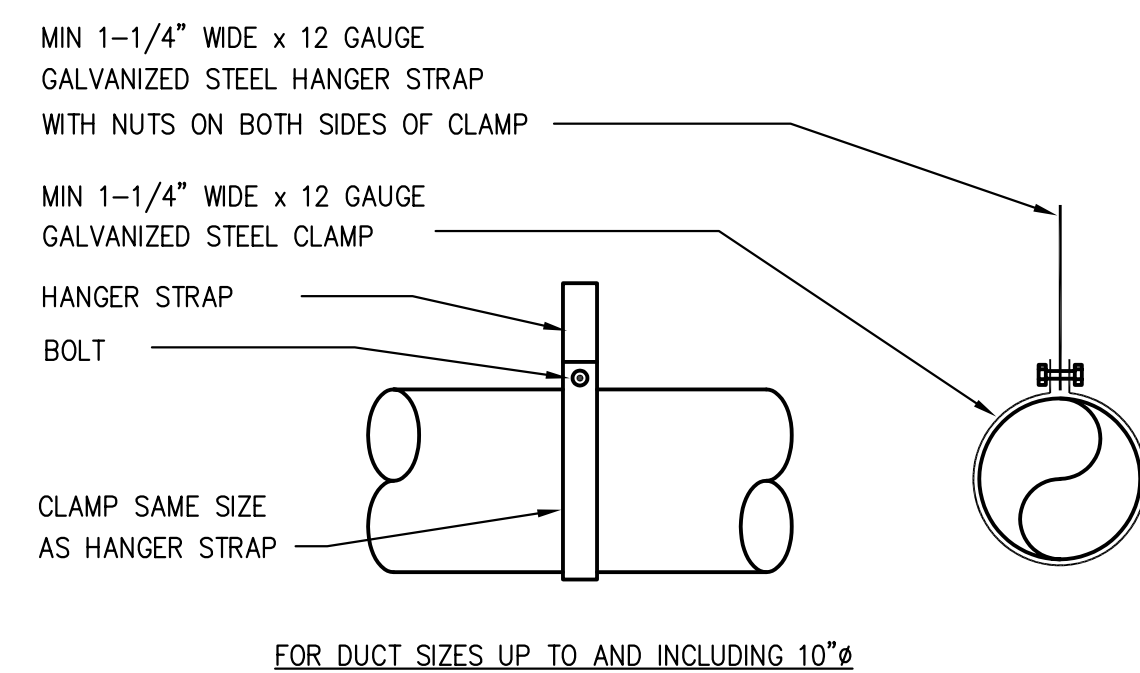
NONE



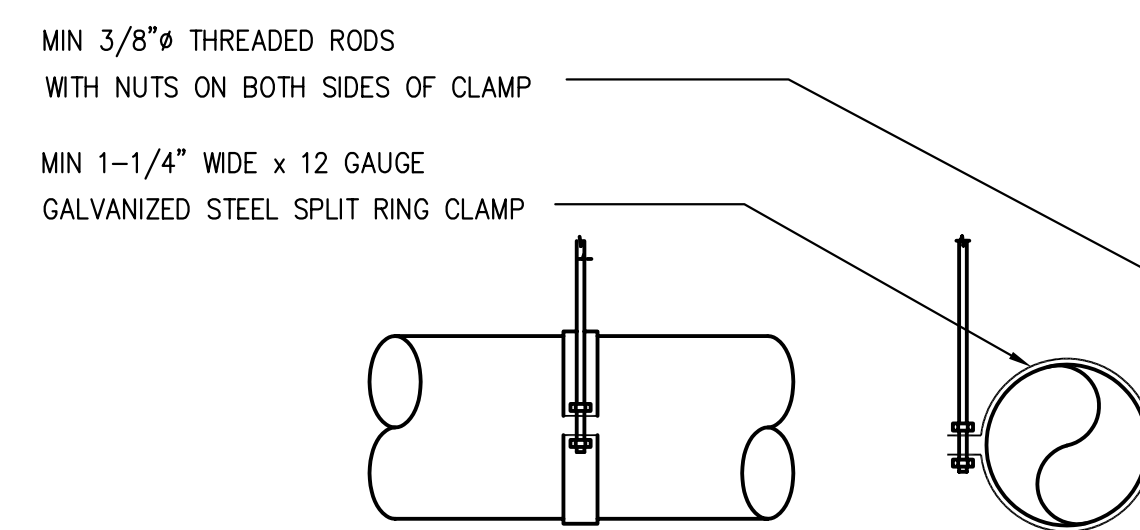
NOTE: DIAMETERS A AND B MAY VARY BASED UPON DRAWINGS.

A3 DETAIL ~ TYPICAL ROUND DUCT FITTING

NONE



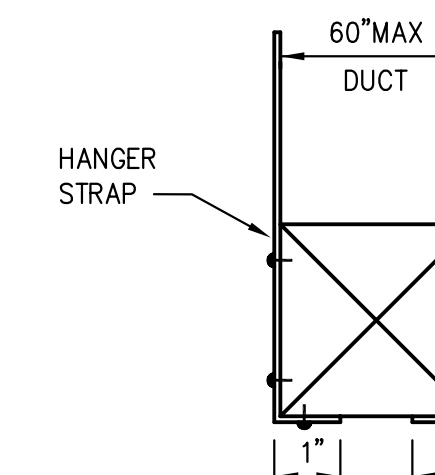
FOR DUCT SIZES UP TO AND INCLUDING 10"



FOR DUCT SIZES LARGER THAN 10"

A6 DETAIL ~ ROUND DUCT HANGER

NONE



NOTE: SIZE & RATING OF HANGERS & SUPPORTS SHALL BE PER LATEST "SMACNA" STANDARDS.

A8 DETAIL ~ DUCT SUPPORT ATTACHMENTS

NONE

PACKAGED AIR TO AIR HEAT RECOVERY SYSTEM

UNIT	SERVES	MFR-MODEL	SUPPLY FAN					EXHAUST FAN					HEAT EXCHANGER EFFECTIVENESS			
			SCFM	SP" TOT	WG EXT	MIN HP	MOTOR VOLTS	PHASE	SCFM	SP" TOT	WG EXT	MIN HP	MOTOR VOLTS	PHASE	WINTER	TOTAL SUMMER
HRV-1	SALLYPORT AREA	VENMAR - HRV12001 DASXSN	1000	-	0.5	0.33	120	1	1000	-	0.5	0.33	120	1	SENS. 52%, LAT. 0%	9%

REGISTERS - GRILLES - DIFFUSERS SCHEDULE

TAG	TITUS MODEL	TYPE	NECK SIZE	FACE SIZE	CFM RANGE	MAX TOTAL PRESSURE DROP	MAX NC LEVEL
S1	SG-SD	MAXIMUM SECURITY GRILLE	6X6	8X8	0-100	0.09	11
S2	SG-SD	MAXIMUM SECURITY GRILLE	8X8	10X10	101-150	0.06	<10
S3	TMSA	CEILING DIFFUSER	6"	12X12	0-100	0.06	14
R1	SG-SD	MAXIMUM SECURITY GRILLE	6X6	8X8	0-100	0.09	13
R2	SG-SD	MAXIMUM SECURITY GRILLE	12X12	14X14	251-350	0.04	11
R3	50R	CEILING RETURN GRILLE	8X8	12X12	0-100	0.06	15

NOTES:  
ALL SECURITY DIFFUSERS WILL BE CUT IN SURFACE MOUNT STYLE, ALL OTHERS TO BE 24X24 LAY-IN FOR T-BAR CEILING.

DUCT HEATING COIL SCHEDULE

TAG	SERVES	AIRFLOW	LENGTH	HEIGHT	FACE VEL	EDB	LDB	MBH	MAX APD	GPM	EWT	LWT	MAX WPD	RUNOUT SIZE
HC-1	HRV-1	1000	24	18	333	20	95	81.4	0.13	5.4	180	150	0.4	1"

NOTES:

Winton Scott Architects  
Portland, ME



REVISIONS	DESCRIPTION	NUMBER	DATE	BY

MECHANICAL DETAILS AND SCHEDULES  
DETENTION AREA RENOVATIONS  
CUMBERLAND COUNTY COURTHOUSE  
PORTLAND, MAINE

MH-200