

ROOF TOP UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	BLOWER SECTION				OUTSIDE AIRFLOW CFM	FURNACE		EVAPORATOR COIL				CONDENSING UNIT				UNIT REQUIREMENTS	WEIGHT POUNDS	NOTES	
			AIRFLOW CFM	ESTIMATED EXTERNAL S.P. IN. W.G.	ESTIMATED MOTOR HP/FAN	FILTER NUMBER/SIZE		HEAT INPUT MBTU/H	HEAT OUTPUT MBTU/H	CAPACITY MBTU/H		MINIMUM FACE AREA SQ. FT.	ENTERING AIR °F		CAPACITY MBTU/H	ENTERING AIR °F					
										TOTAL	SENSIBLE		D.B.	W.B.		D.B.	W.B.	ELECTRICAL VOLTS/ PHASE	TOTAL UNIT MINIMUM CIRCUIT AMPACITY		
RTU-001	TRANE	VOYAGER	6000	1.00"	3	4/20"x20"x2"	900	250	203	165	130	10	77.1	64.5	206	96	77	208/3	74	2606	1,2,3,4

NOTES:  
1. PROVIDE FACTORY INSTALLED ROOF CURB.  
2. UNIT TO BE PROVIDED WITH ECONOMIZER WITH POWERED EXHAUST.  
3. UNIT TO BE INSTALLED WITH UNIT MOUNTED DISCONNECT AND POWERED CONVENIENCE OUTLET ON UNIT WITH THRU BASE ELECTRICAL SUPPLY.  
4. MINIMUM EER RATING NOT TO BE LOWER THAN 12.0

AIR INLET/OUTLET SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	FACE SIZE	NOTES
A	TITUS	TMS	SUPPLY DIFFUSER	24"x24"	1,2
B	TITUS	300RL	SUPPLY WALL DIFFUSER	12"x10"	1,2
C	TITUS	350RL	RETURN WALL GRILLE	12"x10"	1,2
D	TITUS	TMS	SUPPLY DIFFUSER	24"x24"	1,2
E	TITUS	350RL	EXHAUST GRILLE	8"x6"	

NOTES:  
1. STANDARD FINISH WHITE DIFFUSER, STEEL BODY.  
2. INSTALL BALANCE DAMPER IN DUCT TAKEOFF.

SPLIT SYSTEM SCHEDULE

TAG	AIR HANDLER											CONDENSING UNIT							NOTES		
	QTY.	MANUFACTURER	MODEL	AIRFLOW EACH FAN (CFM)	ESTIMATED EXTERNAL STATIC PRESSURE IN. W.G.	HEAT INPUT BTU/H	ESTIMATED MOTOR KW	REFRIGERANT PIPING		FILTERS		ELECTRICAL		TAG	MANUFACTURER	MODEL	CAPACITY MBTU/H AT 80°F DB/ 67°F WB/95°F AMBIENT			ELECTRICAL	
								SUCTION SIZE	LIQUID SIZE	NUMBER & SIZE	AREA (SQ. FT.)	VOLTS/ PHASE	MINIMUM CIRCUIT AMPACITY				TOTAL	SENSIBLE		VOLTS/ PHASE	MINIMUM CIRCUIT AMPACITY
UC-1	2	MITSUBISHI ELECTRIC	PLFY-P15NBMU-E	424-565	-	17000	0.050	1/2"	1/4"	MERV 8, 1	-	230/1/60		CCU-1	MITSUBISHI ELECTRIC	PUMY-P48NHMU	48,000	-	230/1/60	26	1.
UC-2	1	MITSUBISHI ELECTRIC	PLFY-P12NBMU-E	388-494	-	13500	0.050	1/2"	1/4"	MERV 8, 1	-	230/1/60									
UC-3	10	MITSUBISHI ELECTRIC	PFY-P18NEMU-E	353-459	-	20000	35	1/2"	1/4"	MERV 8, 1	-	230/1/60		CCU-2	MITSUBISHI ELECTRIC	PUHY-P72YJMU-A	72000	-	208/3/60	12	2.

NOTES:  
1. CCU-1 TO BE VARIABLE REFRIGERANT UNIT. CCU-2 TO PROVIDE COOLING FOR BOTH ALL UC-1 AND UC-2.  
2. CCU-2 SIZED TO PROVIDE VARIABLE REFRIGERANT FLOW TO MULTIPLE UC-3. PROVIDE 1 CCU-2 PER 5 UC-3 INSTALLED.

FAN SCHEDULE

TAG	MANUFACTURER	MODEL	CFM	ESTIMATED S.P. IN. W.G.	ESTIMATED MOTOR HP	VOLTS/PHASE	RPM	TYPE/SIZE OF WHEEL	NOTES
EF-1	CAPTIVE AIRE	DU33HFA	540	1.00	1/3	115/1	1538	UPDRAFT	1,2
EF-2	COOK	90P10DM	300	0.125	1/25	115/1	1110	UPDRAFT	1/2

NOTES:  
1. FAN TO BE SUITABLE FOR HIGH HEAT OPERATION (300°F) WITH VARIABLE SPEED CONTROL WITH WEATHERPROOF DISCONNECTS.  
2. FAN TO BE SUPPLIED WITH OPTIONAL GREASE BOX AND GREASE CUP.

KITCHEN HOOD SCHEDULE

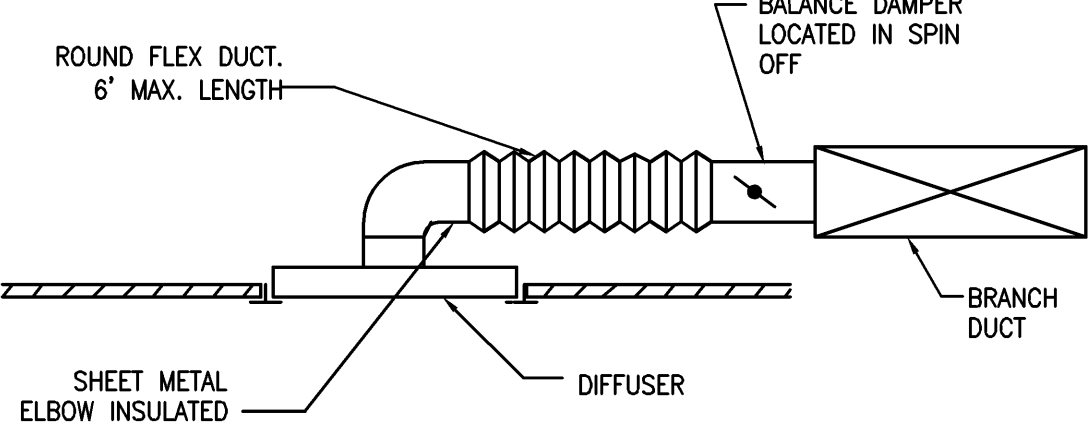
TAG	MANUFACTURER	MODEL	CFM	LENGTH	MAX COOKING TEMP.	EXH DUCT	ESTIMATED S.P. IN. W.G.	HOOD CONSTRUCTION	NOTES
KH-1	CAPTIVE AIRE	4824 ND-2	540	4'-0"	450	8" Ø	-0.201	430 SS	1,2

NOTES:  
1. KITCHEN HOOD TO BE TYPE 1 GREASE HOOD WITH INTEGRAL FIRE SUPPRESSION SYSTEM.  
2. HOOD TO INCLUDE SS BAFFLES WITH HANDLES FOR FILTERS.

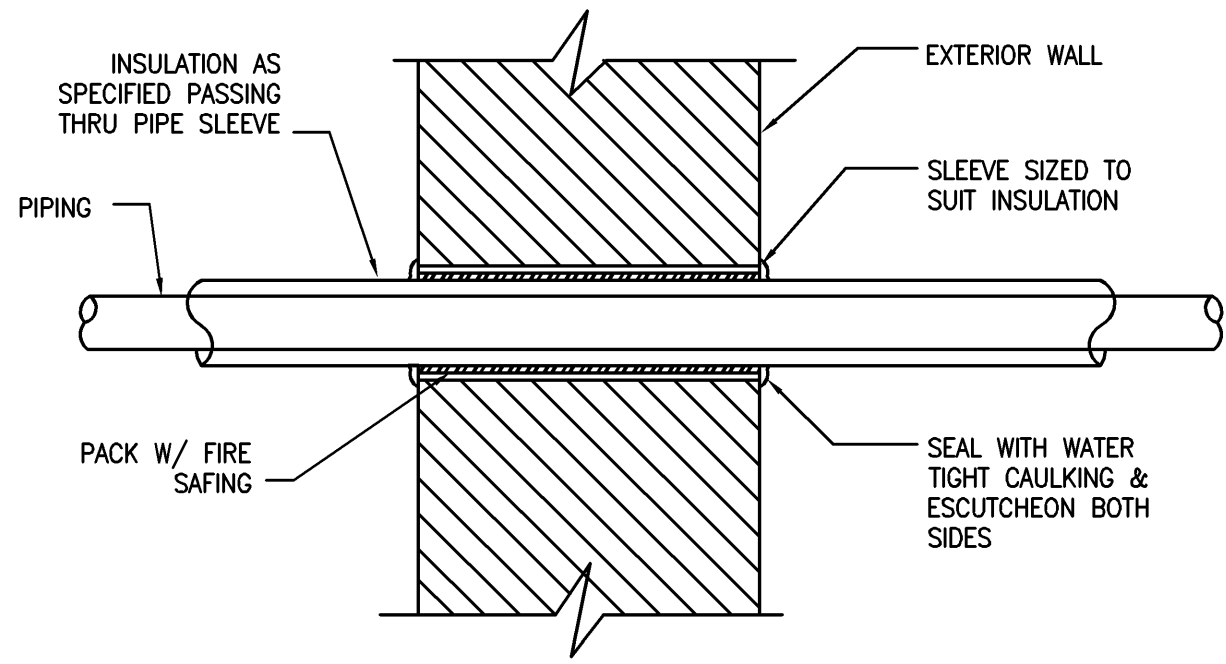
LEGEND

MECHANICAL

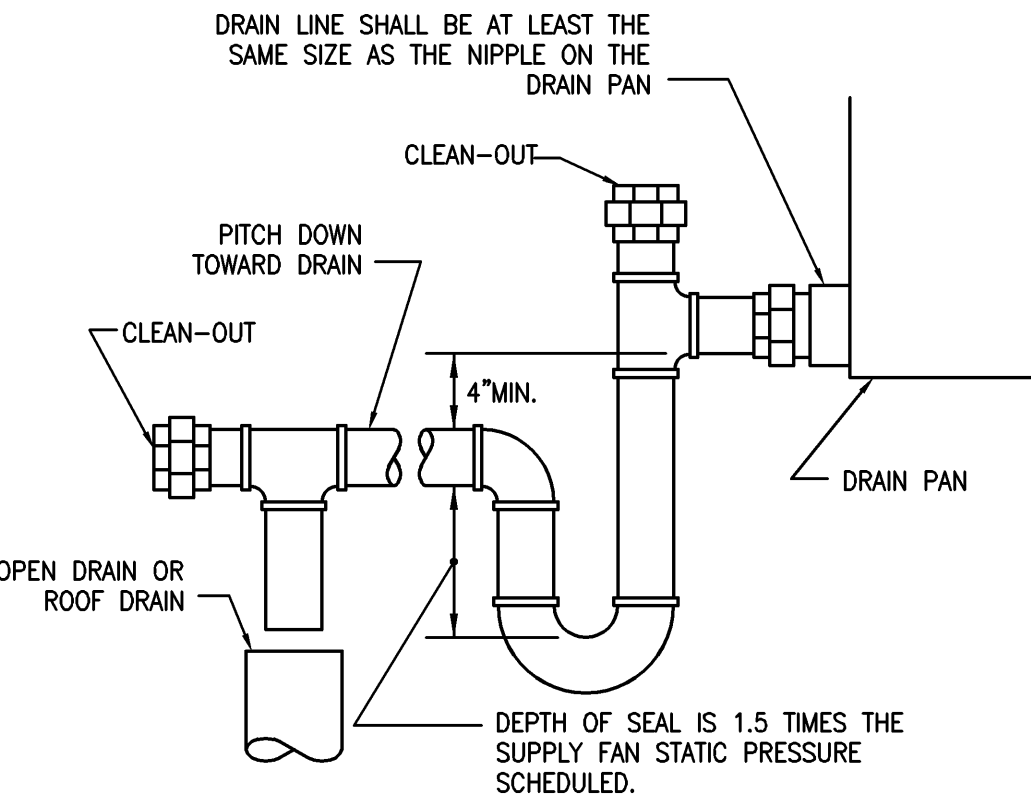
	SLOT DIFFUSER	EA	EXHAUST AIR
	SPIN-IN WITH DAMPER IN NECK	FA	RELIEF AIR
	AIR FLOW DIRECTION	OA	OUTSIDE AIR
	RETURN GRILLE/DUCT	RA	RETURN AIR
	SUPPLY DIFFUSER/DUCT	SA	SUPPLY AIR
	EXHAUST GRILLE/DUCT		
	MANUAL VOLUME DAMPER	CHWS	CHILLED WATER SUPPLY
	BACKDRAFT DAMPER	CHWR	CHILLED WATER RETURN
	FIRE DAMPER	HWHS	HEATING HOT WATER SUPPLY
	FIRE/SMOKE DAMPER	HWHR	HEATING HOT WATER RETURN
	MOTORIZED DAMPER		
	THERMOSTAT		
	HUMIDISTAT		
	MECHANICAL NOTE		
	CONNECT TO EXISTING		
	EQUIPMENT TYPE		
	EQUIPMENT ID		
	TERMINAL DEVICE ID		
	NECK SIZE		
	DESIGN AIRFLOW (CFM)		
	BALL VALVE		
	GLOBE VALVE		
	CHECK VALVE		
	BUTTERFLY VALVE		
	BALANCING VALVE		
	TRIPLE DUTY/STOP-CHECK VALVE		
	ELECTRICALLY ACTIVATED VALVE		
	PRESSURE REDUCING VALVE		
	PRESSURE RELIEF VALVE		
	TEMPERATURE INDICATOR		
	PRESSURE INDICATOR		
	ELBOW DOWN		
	TEE UP		
	FLEXIBLE PIPE CONNECTION		
	REFRIGERANT LIQUID		
	REFRIGERANT SUCTION		
	REFRIGERANT DISCHARGE GAS		



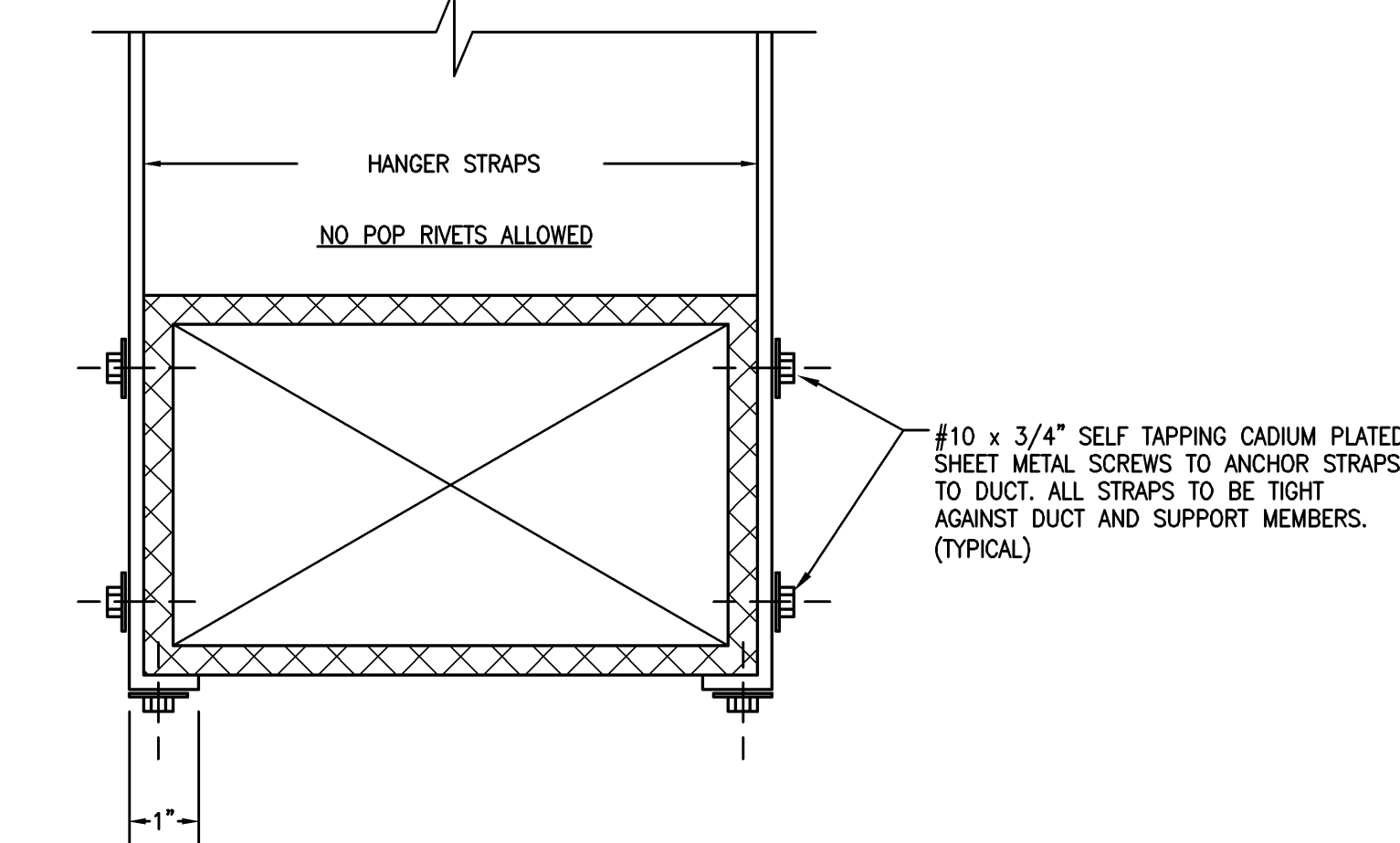
1 DIFFUSER - DETAIL  
SCALE: NOT TO SCALE



2 EXTERIOR WALL PIPE PENETRATION - DETAIL  
SCALE: NOT TO SCALE



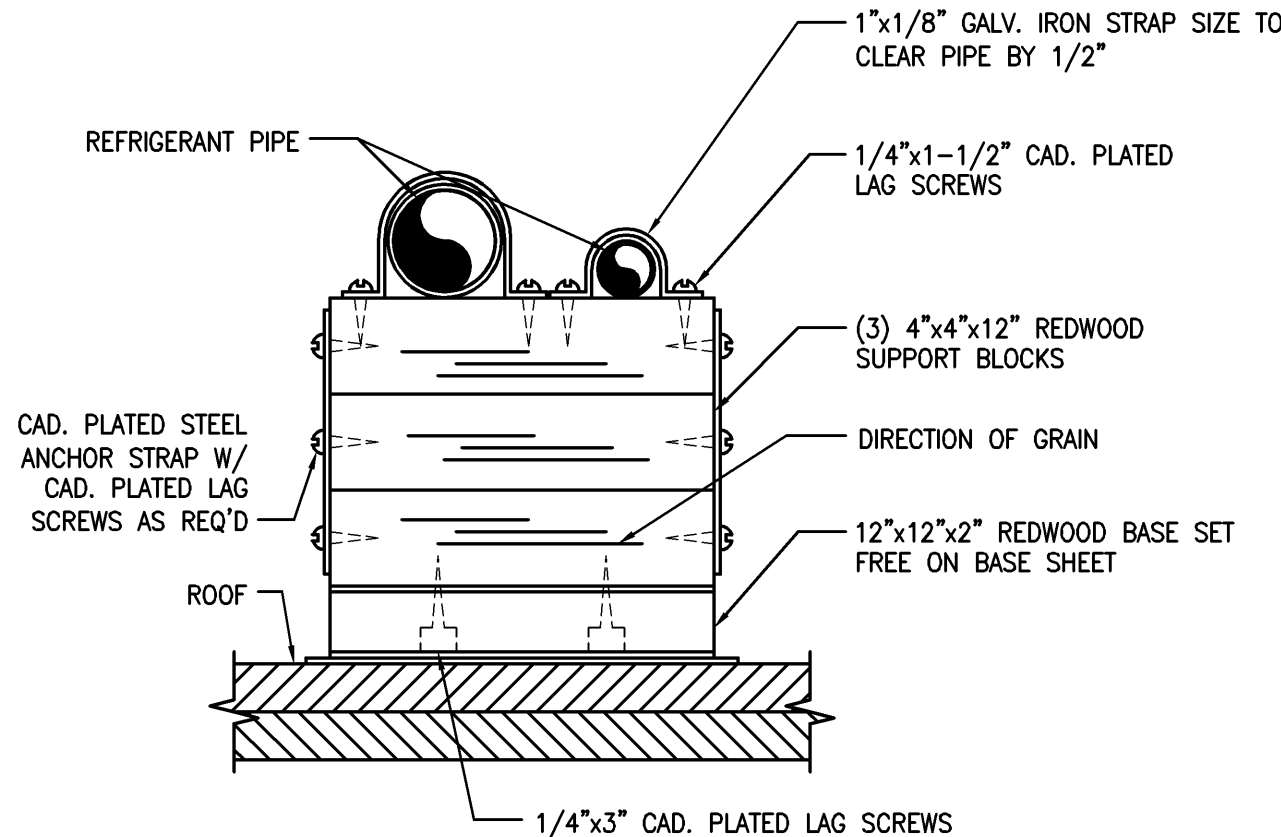
3 ROOFTOP UNIT CONDENSATE DRAIN TRAP - DETAIL  
SCALE: NOT TO SCALE



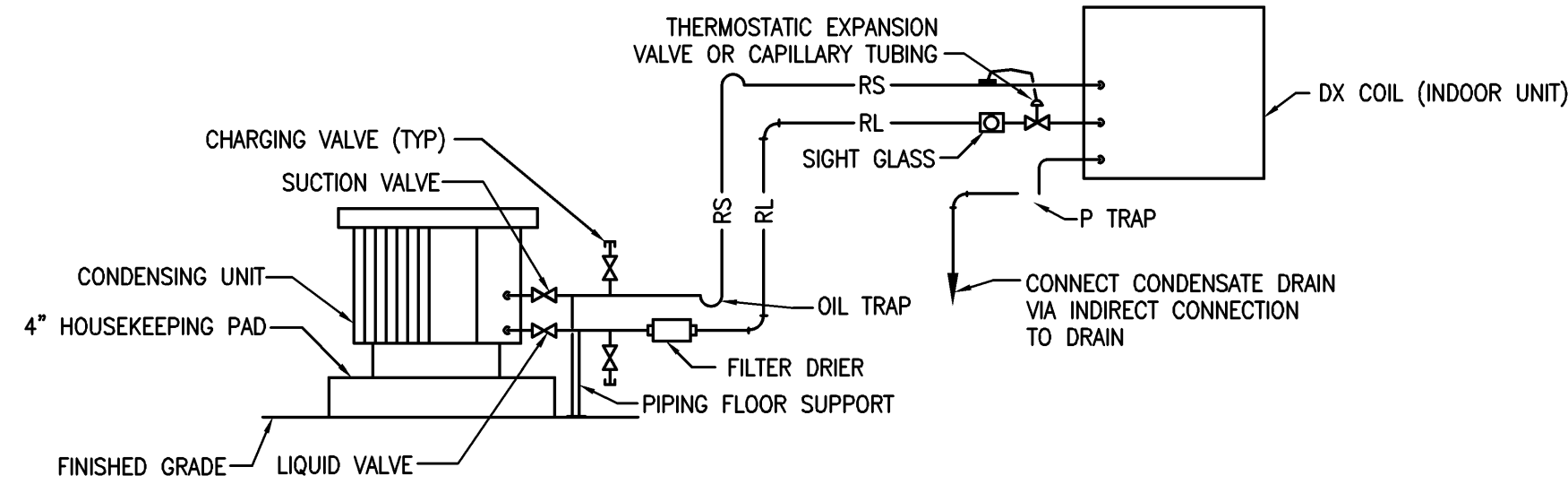
HANGER SIZES FOR RECTANGULAR DUCT

MAXIMUM SIZE	HANGER	HORIZONTAL SUPPORT ANGLE	MAXIMUM SPACING
UP TO 34"	1" x 18" GAGE STRAP	NONE REQUIRED	8' - 0"

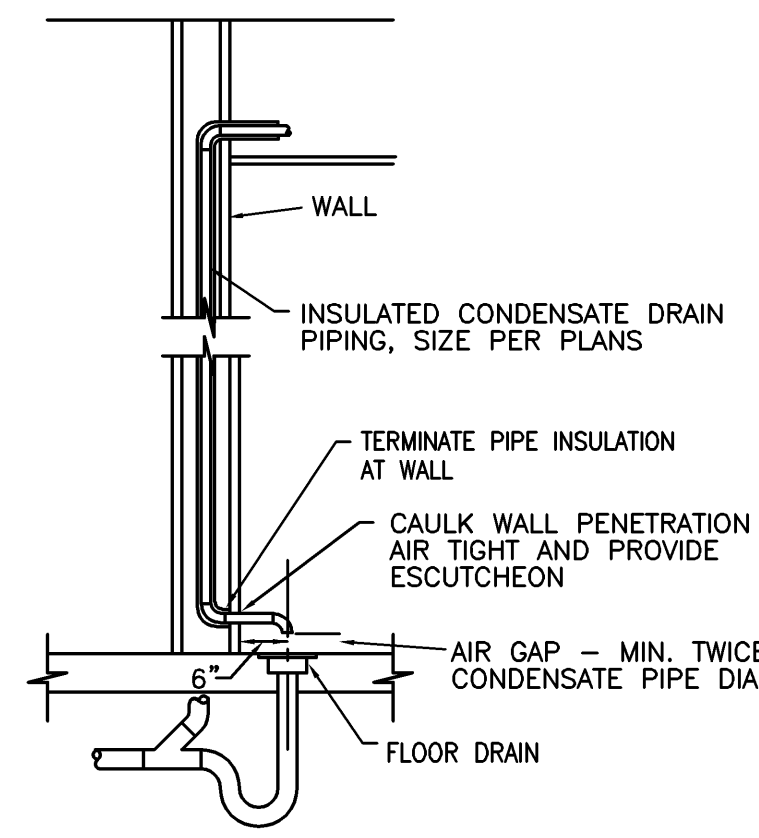
7 DUCT STRAP HANGER DETAIL  
SCALE: NOT TO SCALE



4 REFRIGERANT PIPE SUPPORT - DETAIL  
SCALE: NOT TO SCALE



5 DX COOLING PIPING - DETAIL  
SCALE: NOT TO SCALE



6 CONDENSATE DRAIN DETAIL  
SCALE: NOT TO SCALE

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CONSTRUCTION DOCUMENTS  
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16600 WEST 126TH STREET  
OLATHE, KS.

PROJ. NO.: 201115.00

DATE: 12-15-2011

MECHANICAL  
SCHEDULES  
DETAILS

M  
3.01