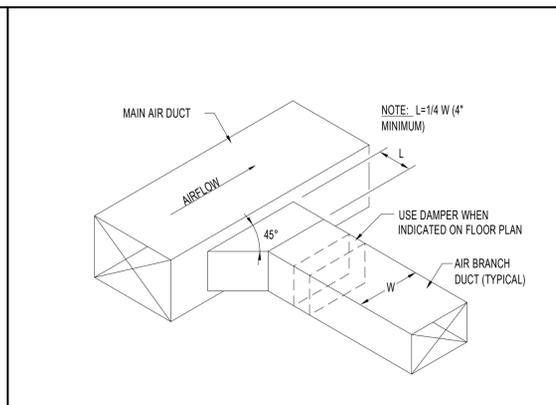
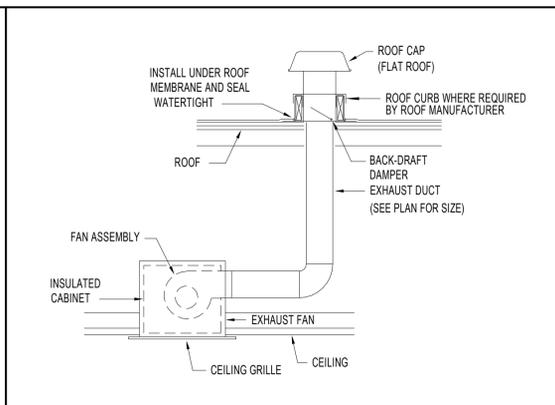


**A FLEXIBLE DUCT SUPPORT** NO SCALE



**B RECTANGULAR DUCT CONNECTION** NO SCALE



**C CEILING MOUNTED EXHAUST FAN** NO SCALE

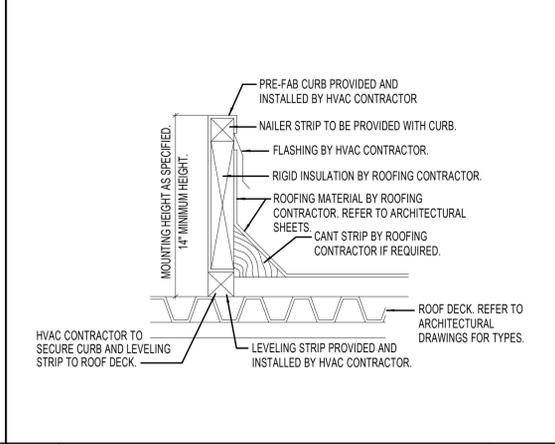
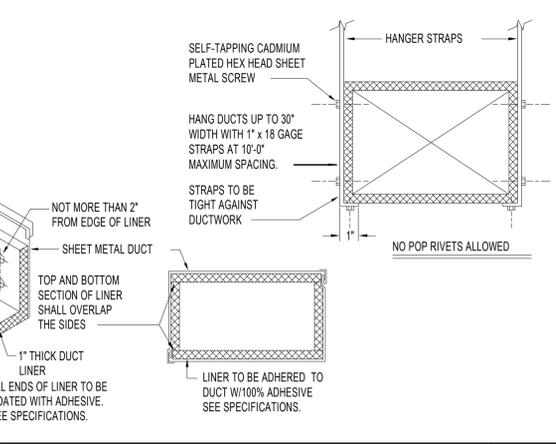
DIMENSION OF LONGEST SIDE, INCHES	SHEET METAL GAGE (ALL FOUR SIDES)	TRANSVERSE REINFORCING (1)	
		MINIMUM REINFORCING ANGLE SIZE AND MAXIMUM LONGITUDINAL SPACING BETWEEN TRANSVERSE JOINTS &/OR INTERMEDIATE REINFORCING	AT JOINTS
UP THRU 12	26	NONE REQUIRED	26
13 - 18	24	NONE REQUIRED	24
19 - 30	24	1"x1/8" @ 60 IN	24

(1) TRANSVERSE REINFORCING SIZE IS DETERMINED BY DIMENSION OF SIDE TO WHICH ANGLE IS APPLIED.

METAL FASTENERS - O-MARK INSULPINS, DURO DYNE FASTENERS OR GRIPNAILS.

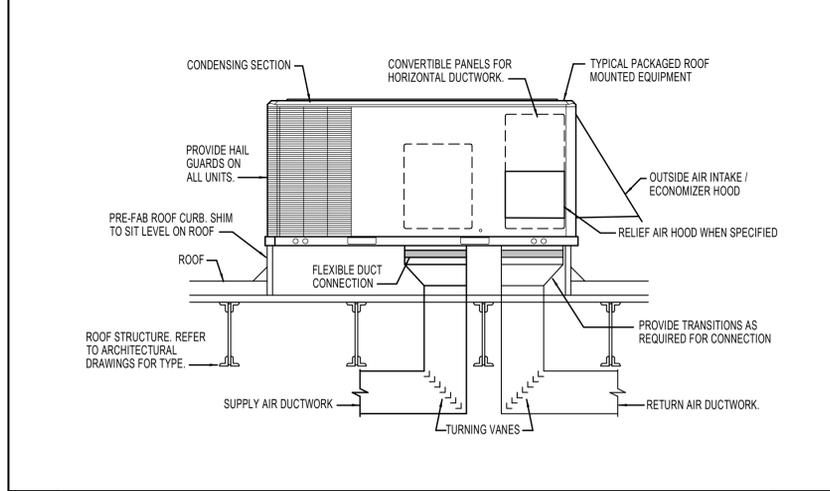
GRIP NAILS SHALL BE INSTALLED BY GRIPNAIL AIR HAMMER OR BY AUTOMATIC FASTENER EQUIP.

ENDS OF LINER SHALL BE BUTTED FIRMLY TOGETHER.

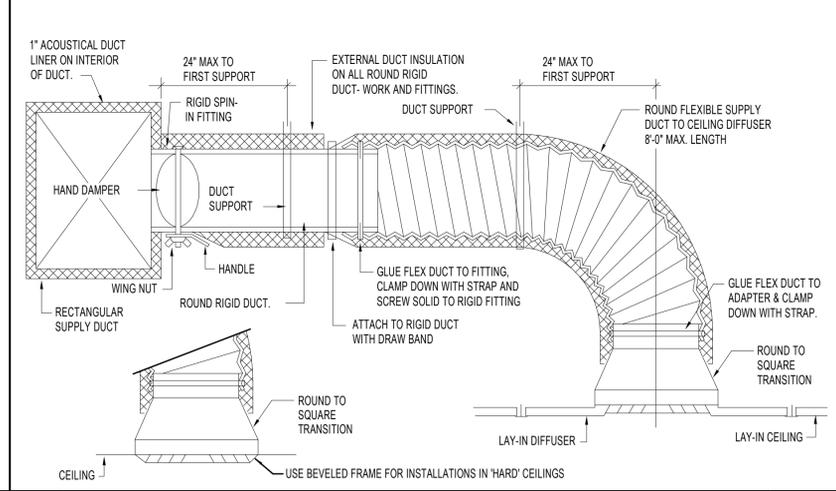


**E TYPICAL PRE-FAB CURB DETAIL** NO SCALE

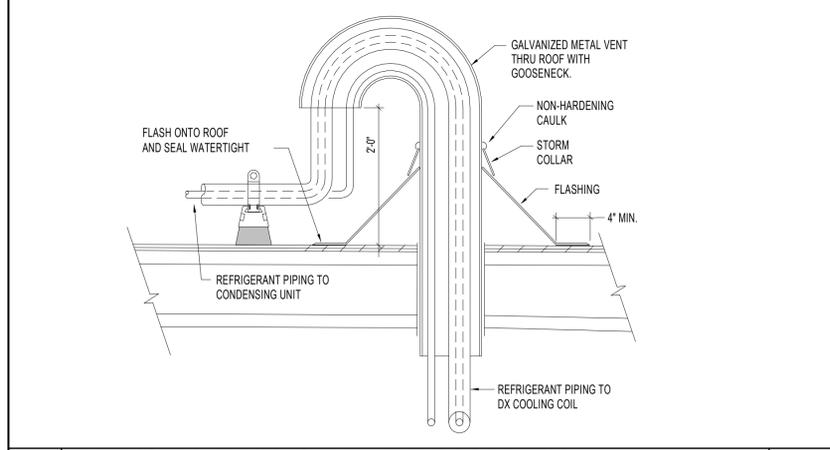
**D DUCT CONSTRUCTION AND HANGER DETAILS** NO SCALE



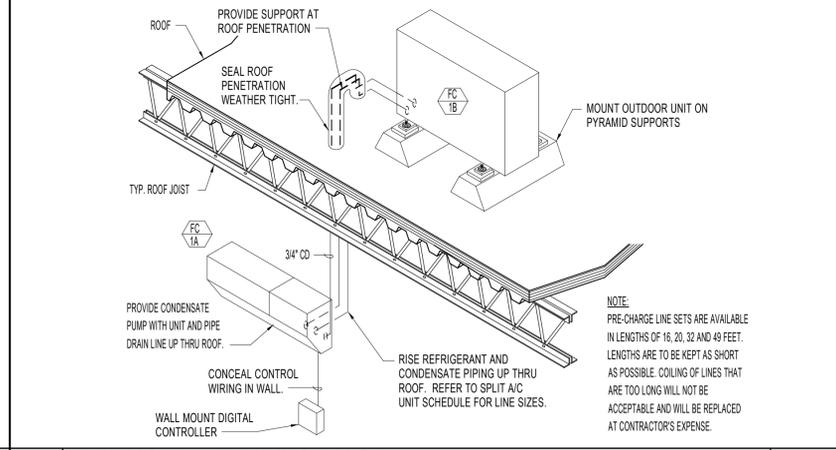
**F TYPICAL ROOF TOP HVAC UNIT DETAIL** NO SCALE



**G TYPICAL CEILING DIFFUSER INSTALLATION** NO SCALE



**H REFRIGERANT PIPING THRU THE ROOF DETAIL** NO SCALE



**J REFRIGERANT PIPING DIAGRAM** NO SCALE

SYM.	CFM	SP E	BLOWER H.P.	CHAR	MCA	MCOP	WEIGHT	GAS CONN	HEATING				COOLING		REMARKS	
									BTU IN	BTU OUT	EAT	LAT	MBH	EAT		LAT
RT 1	1680	.75	1	208/60/3	27.2	40	1200#	1/2"	120,000	96,000	65°F	109°F	48,000	75°F	55°F	TRANE MODEL YHC048E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.
RT 2	1680	.75	1	208/60/3	27.2	40	1200#	1/2"	120,000	96,000	65°F	109°F	48,000	75°F	55°F	TRANE MODEL YHC048E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.
RT 3	1400	.75	1	208/60/3	27.2	40	1200#	1/2"	120,000	96,000	65°F	110°F	48,000	75°F	55°F	TRANE MODEL YHC048E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.
RT 4	1950	.75	1	208/60/3	30	45	1200#	1/2"	130,000	104,000	65°F	110°F	56,000	75°F	55°F	TRANE MODEL YHC060E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.
RT 5	1200	.75	1	208/60/3	20.6	30	1000#	1/2"	100,000	82,000	65°F	110°F	36,000	75°F	55°F	TRANE MODEL YHC036E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.
RT 6	1400	.75	1	208/60/3	27.2	40	1200#	1/2"	120,000	96,000	65°F	110°F	48,000	75°F	55°F	TRANE MODEL YHC048E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.
RT 7	1400	.75	1	208/60/3	27.2	40	1200#	1/2"	120,000	96,000	65°F	110°F	48,000	75°F	55°F	TRANE MODEL YHC048E3 WITH HAIL GUARDS. MOUNT ON ROOF CURB.

1 PROVIDE ALL UNITS WITH ECONOMIZER HOOD AND CONTROLS. ROOF CURBS TO MATCH ROOF SLOPE.

SYM.	TYPE	C.F.M.	S.P.E.	H.P.	CHAR.	R.P.M.	CONTROL	REMARKS
EF 1	CEILING MOUNTED	90	.25	87 W	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 2	CEILING MOUNTED	90	.25	87 W	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 3	CEILING MOUNTED	90	.25	87 W	120/60/1	640	TIMER SWITCH	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 4	CEILING MOUNTED	90	.25	87 W	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 5	CEILING MOUNTED	90	.25	87 W	120/60/1	640	TIMER SWITCH	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 6	CEILING MOUNTED	90	.25	87 W	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 7	CEILING MOUNTED	90	.25	87 W	120/60/1	640	WITH LIGHTS	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 8	CEILING MOUNTED	90	.25	87 W	120/60/1	640	TIMER SWITCH	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 9	CEILING MOUNTED	120	.25	100 W	120/60/1	710	COOLING STAT	TWIN CITY MODEL T150 WITH 6" Dia. DUCT TO ROOF CAP.
EF 10	CEILING MOUNTED	120	.25	100 W	120/60/1	710	WALL SWITCH	TWIN CITY MODEL T150 WITH 6" Dia. DUCT TO ROOF CAP.
EF 11	CEILING MOUNTED	120	.25	100 W	120/60/1	710	WITH LIGHTS	TWIN CITY MODEL T150 WITH 6" Dia. DUCT TO ROOF CAP.
EF 12	CEILING MOUNTED	120	.25	100 W	120/60/1	710	WITH LIGHTS	TWIN CITY MODEL T150 WITH 6" Dia. DUCT TO ROOF CAP.
EF 13	CEILING MOUNTED	120	.25	100 W	120/60/1	710	WITH LIGHTS	TWIN CITY MODEL T150 WITH 6" Dia. DUCT TO ROOF CAP.
EF 14	CEILING MOUNTED	90	.25	87 W	120/60/1	640	TIMER SWITCH	TWIN CITY MODEL T100 WITH 6" Dia. DUCT TO ROOF CAP.
EF 15	CEILING MOUNTED	120	.25	100 W	120/60/1	710	WALL SWITCH	TWIN CITY MODEL T150 WITH 6" Dia. DUCT TO ROOF CAP.

SYM.	SIZE (W x H)	THROW	CFM	CONSTR.	FINISH	BRANCH DUCT	MAX N.C.	O.B.	REMARKS
CD-1	9 x 9	45°	50-199	STEEL	WHITE	8" Dia.	20	NO	PRICE SMD WITH 24x24 LAY-IN MODULE
CD-2	12 x 12	45°	200-400	STEEL	WHITE	10" Dia.	20	NO	PRICE SMD WITH 24x24 LAY-IN MODULE
CD-3	9 x 9	45°	50-199	STEEL	WHITE	8" Dia.	20	NO	PRICE SMD WITH BEVELED FRAME
RG-1	12 x 10	NA	50-199	STEEL	WHITE	8" Dia.	20	NO	PRICE 535 WITH 24x12 LAY-IN MODULE
RG-2	12 x 10	NA	200-400	STEEL	WHITE	10" Dia.	20	NO	PRICE 535 WITH 24x12 LAY-IN MODULE
RG-3	18 x 18	NA	200-800	STEEL	WHITE	14" Dia.	20	NO	PRICE 535 WITH 24x24 LAY-IN MODULE

INDOOR UNIT				OUTDOOR UNIT				REFRIG. LINES		
SYM.	CFM	BTU	CHAR	SYM.	BTU	MCA	MOOP/SEER	CHAR	LIQUID	SUCTION
FC 1A	650-775	24,000 CLG 26,000 HTG	208/60/1	1	24,000	18	30	17	3/8"	5/8"
FC 2A	650-775	24,000 CLG 26,000 HTG	208/60/1	1	24,000	18	30	17	3/8"	5/8"
FC 3A	320-420	12,000 CLG 14,000 HTG	208/60/1	1	12,000	13	20	17	1/4"	1/2"
FC 4A	650-775	24,000 CLG	208/60/1	1	24,000	18	30	17	3/8"	5/8"

1 IN-DOOR UNIT TO BE FURNISHED WITH BUILT-IN CONDENSATE PUMP

12/2/2022

DATE:

A NEW FACILITY FOR;  
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 SHOSHONE, IDAHO  
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 David L. Hanson  
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 EMAIL: esa@engsystems.com  
 ESA JOB NUMBER: 22042

DATE: 12/2/2022  
 MLJ DLH  
 Drawn Checked  
**M3.1**