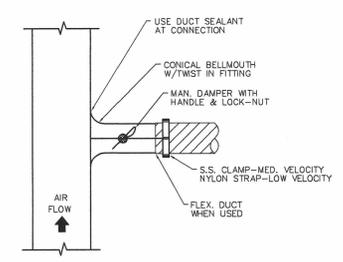


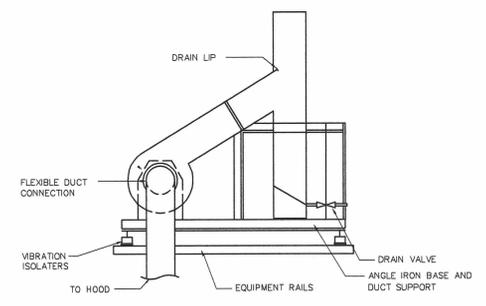
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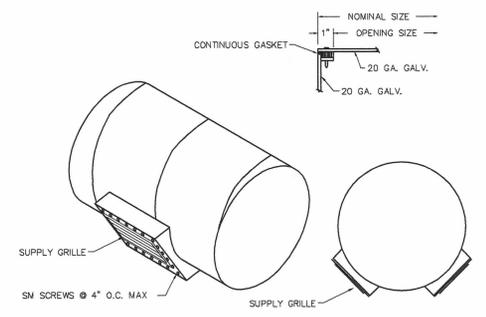
REVISIONS		
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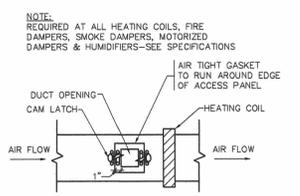
**ROUND DUCT TAKE-OFF DETAIL**  
NO SCALE



**EXHAUSTER DETAIL**  
NO SCALE



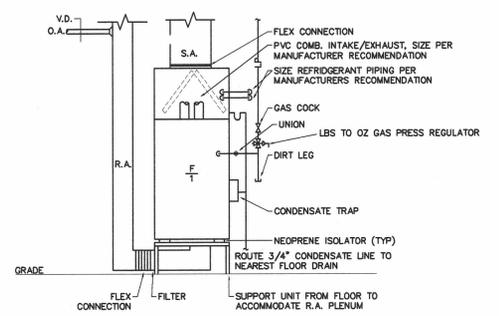
**ROUND DUCT BOOT DETAIL**  
NO SCALE



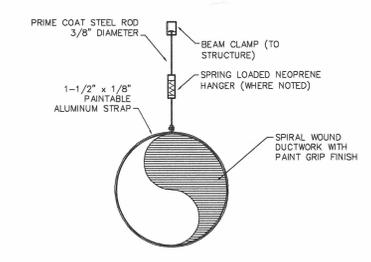
ACCESS PANEL SIZE SCHEDULE	
DUCT SIZE	ACCESS PANEL SIZE
6" TO 15"	10" W X (DUCT DEPTH-2") D
15" TO 21"	12" W X (DUCT DEPTH-2") D
21" AND ABOVE	18" W X (DUCT DEPTH-2") D

ALL OTHER ACCESS PANELS TO BE A MINIMUM OF 15" X 15" WHERE DUCT SIZE ALLOWS. USE FOUR CAM LATCHES ON PANELS LARGER THAN 18" X 18" SIZE.

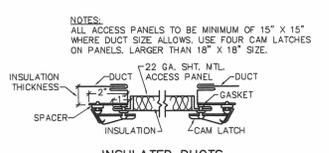
**ACCESS PANEL DETAIL**  
NO SCALE



**HIGH EFFICIENCY FURNACE DETAIL**  
NO SCALE



**SPIRAL DUCT SUPPORT DETAIL**  
NO SCALE



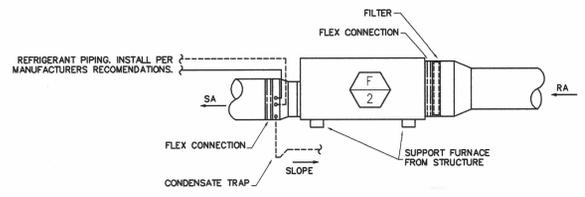
**INSULATED DUCTS**

PROVIDE TRACK FULL LENGTH OF ACCESS PANEL RIVETED OR SPOT WELDED TO DUCT SIDE AT BOTTOM OF ACCESS PANEL FOR PANEL ALIGNMENT

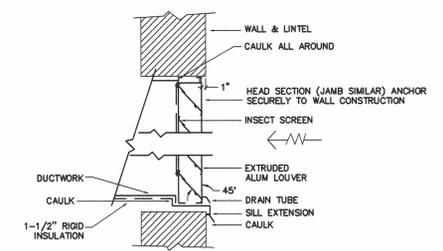


**UNINSULATED DUCTS**

**LOW PRESSURE DUCTWORK ACCESS PANELS**  
NO SCALE



**HORIZONTAL FURNACE DETAIL**  
NO SCALE

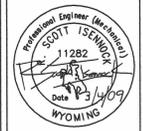


**LOUVER-INTAKE AIR DETAIL**  
NO SCALE

VENTILATION SYMBOLS			
	SUPPLY DUCT (UP & DOWN)		MANUAL VOLUME DAMPER
	RETURN DUCT (UP & DOWN)		BRANCH DUCT INTO SIDE OF MAIN DUCT
	EXHAUST DUCT (UP & DOWN)		DUCT RISE OR DROP IN DIRECTION OF AIR FLOW
	STANDARD RADIUS ELBOW R EQUAL W (MINIMUM)		DUCT DIMENSION- WIDTH X DEPTH
	DUCT TURN WITH TURN VANES		DUCT INSULATION (SEE SPECIFICATION)
	FLEXIBLE DUCT CONNECTION		DUCT TURN AND AIR SPLIT TYPE TAKEOFF (NON-ADJUSTABLE)
	SPIRAL DUCTWORK		GRILLE, REGISTER & DIFFUSER DESIGNATION (SUPPLY, RETURN, EXHAUST, & TRANSFER)
	F-FIRE DAMPER		M-MOTORIZED DAMPER
	S-SMOKE DAMPER		B-BACKDRAFT DAMPER
	C-COMBINATION FIRE SMOKE DAMPER		-W- FLEX DUCT (5' MAXIMUM)

**HVAC DETAILS**  
 LOST CREEK ISR  
 PROCESSING PLANT  
 NEAR BAROIL, WYOMING

PROJECT#:	C08028
CADFILE:	C08028 M3
DESIGNED:	SI
DRAWN:	JM
APPROVED:	SI
DATE:	3/4/09



SHEET:  
**M3**  
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D-03