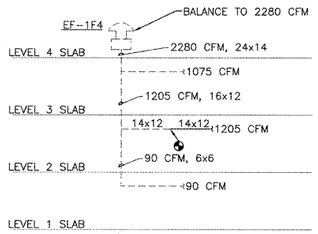
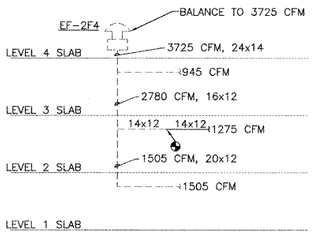
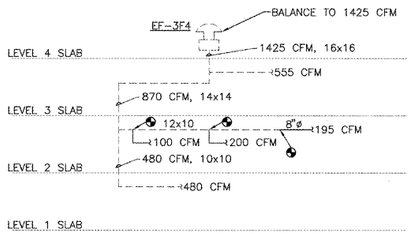


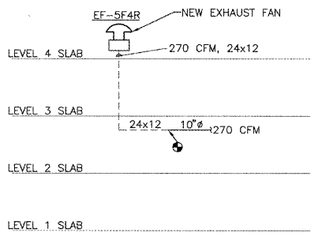
A1 EXHAUST RISER F1
SCALE: NONE



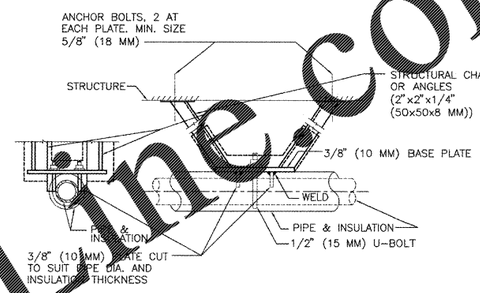
A2 EXHAUST RISER F2
SCALE: NONE



A4 EXHAUST RISER F3
SCALE: NONE

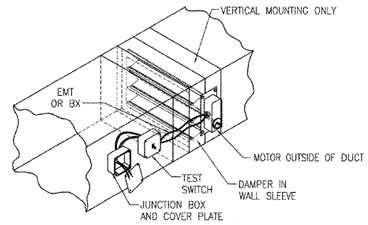


A6 EXHAUST RISER F4
SCALE: NONE



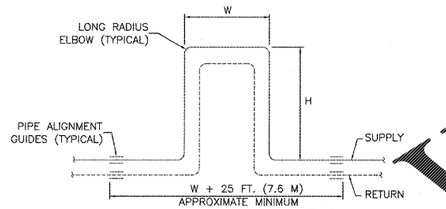
NOTE:
INSULATE ANCHOR AS INDICATED FOR COLD PIPING.

D8 HORIZONTAL PIPE ANCHOR DETAIL
SCALE: NONE



NOTES:
1. ALL MOTORS SHALL BE 115V, 60Hz, FACTORY-MOUNTED. UL APPROVED.
2. ALL ELECTRICAL CONNECTIONS MUST COMPLY WITH THE LOCAL CODE REQUIREMENT.
3. MOTOR SHALL BE FIELD REPLACEABLE WITHOUT DISTURBING PULLEY-CABLE DAMPER SYSTEM.
4. MOTORS SHALL BE WIRED THROUGH EMT OR GREENFIELD TO A STANDARD JUNCTION BOX LOCATED ON THE OUTSIDE OF THE DUCT.
5. FIELD WIRE AND INSTALL AS REQUIRED. PROVIDE INDIVIDUAL TEST SWITCH (BY MANUFACTURER) FOR EACH DAMPER. PERFORM OPERATING TEST AFTER INSTALLATION.
6. MOTOR SHALL BE LOCATED TO PROVIDE ACCESS FOR MAINTENANCE. PROVIDE ACCESS DOOR IN DUCTWORK IN ACCESSIBLE LOCATION.

E8 SMOKE DAMPER INSTALLATION
SCALE: NONE

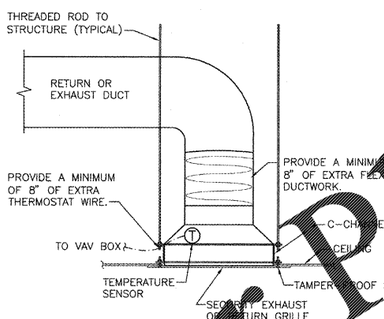


PLAN

EXPANSION LOOP		
LOOP NO.	W (FT)	H (FT)
110-EL1	2	2
110-EL1	2	2

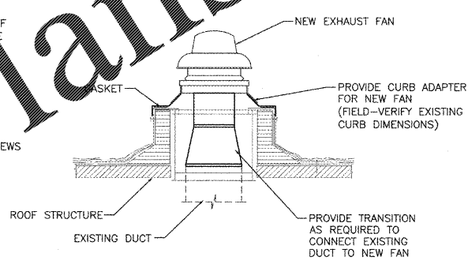
E3 EXPANSION LOOP DETAIL
SCALE:

NOTE: FOR SUPPLY GRILLE PROVIDE WITHOUT ADDITIONAL 8" OF FLEXIBLE DUCTWORK, THERE WILL BE NO THERMOSTAT WIRE ON SUPPLY GRILLE.

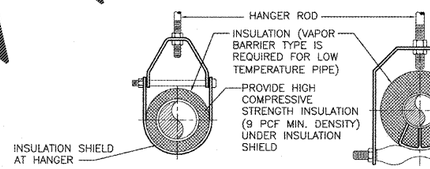


ROUND AND SQUARE NECK RETURN OR EXHAUST GRILLE SIDE VIEW

MAXIMUM SECURITY GRILLE MOUNTING DETAIL
SCALE: NONE

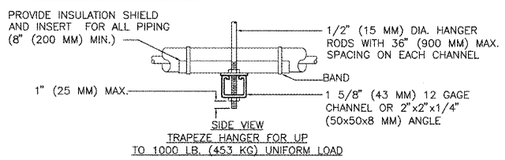


F3 ROOF CURB ADAPTER
SCALE: NONE



ADJUSTABLE CLEVIS HANGER TYPE 1 - SEE SPECIFICATIONS

ADJUSTABLE CLEVIS HANGER TYPE 43 - SEE SPECIFICATIONS



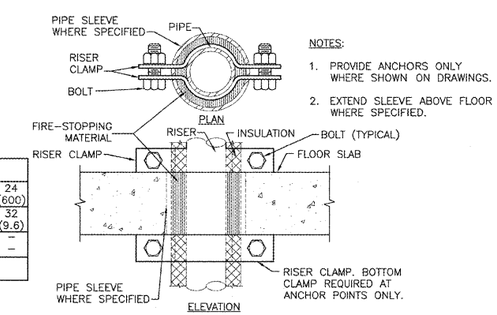
TRAPEZE HANGER FOR UP TO 1000 LB. (453 KG) UNIFORM LOAD

TYPICAL PIPE HANGERS

MAXIMUM PIPE/TUBING SUPPORT SPACING																				
NOM. SIZE IN. (MM)		THRU 3/4 (20)	THRU (20)	1 (25)	1 1/4 (32)	1 1/2 (40)	2 (50)	2 1/2 (65)	3 (75)	4 (100)	5 (125)	6 (150)	8 (200)	10 (250)	12 (300)	14 (350)	16 (400)	18 (450)	20 (500)	24 (600)
PIPE	FT.	7		7	7	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
	(M)	(2.1)		(2.1)	(2.1)	(2.7)	(3.0)	(3.4)	(3.7)	(4.1)	(4.9)	(5.2)	(5.8)	(6.7)	(7.0)	(7.6)	(8.2)	(8.5)	(9.1)	(9.6)
TUBING	FT.	5 FT		6	7	8	8	9	10	12	13	14	16	–	–	–	–	–	–	–
	(M)	5 FT		(1.8)	(2.1)	(2.4)	(2.4)	(2.7)	(3.0)	(3.7)	(4.0)	(4.1)	(4.9)	–	–	–	–	–	–	–

NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST SIZE ON TRAPEZE.

F5 TYPICAL PIPE HANGERS
SCALE: NONE



NOTES:
1. PROVIDE ANCHORS ONLY WHERE SHOWN ON DRAWINGS.
2. EXTEND SLEEVE ABOVE FLOOR WHERE SPECIFIED.

F8 SUPPORT/ANCHOR FOR PIPE RISERS
SCALE: NONE

Order Plans @ WWW.LDILine.com

REVISION NO.	REVISION DESCRIPTION	Revisions	By Date

Department of Veterans Affairs
Charlie Norwood
VA Medical Center
1 Freedom Way
Augusta, Ga. 30904

SEAL

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Recommended Approvals:	
1. MEDICAL CENTER DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER
2. ASSISTANT DIRECTOR	7. INFECTION CONTROL MANAGER
3. CHIEF OF STAFF	8. SAFETY MANAGER
4. ASSOC. DIRECTOR	9. GENERAL ENGINEER
5. SERVICE LINE MGRS.	10. COR

Drawing Title: MECHANICAL DETAILS

100% CONSTRUCTION DOCUMENTS

FULLY SPRINKLERED

Project Title: RENOVATE MENTAL HEALTH UNITS

Drawn | Building Number | AutoCAD File Name

Checked | Reviewed | Const. Contract No.

Date: February 10, 2017
Project Number: 509-12-104
DRAWING No.: M503

Veterans Affairs