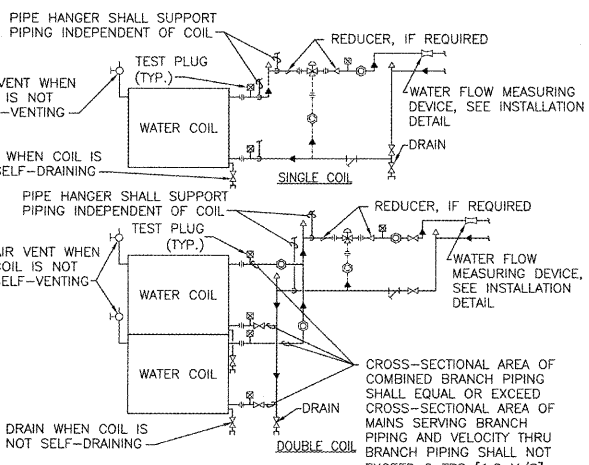
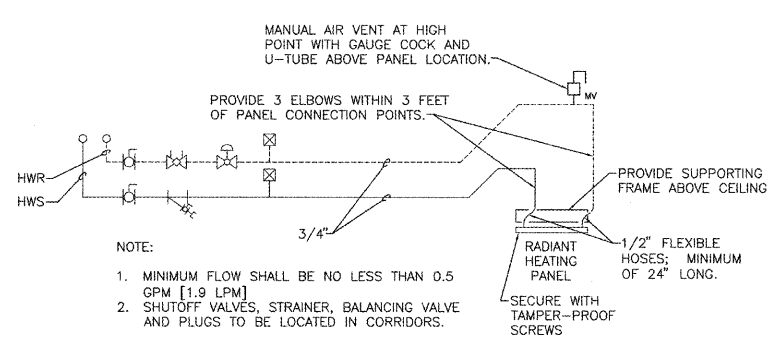


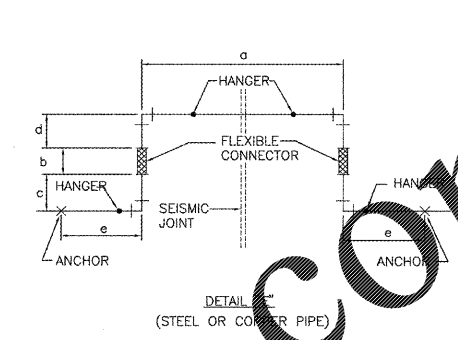
B1 VOLUME DAMPER DETAIL
SCALE: NONE



B3 PIPING CROSSING A SEISMIC JOINT DETAIL "A"
SCALE: NONE



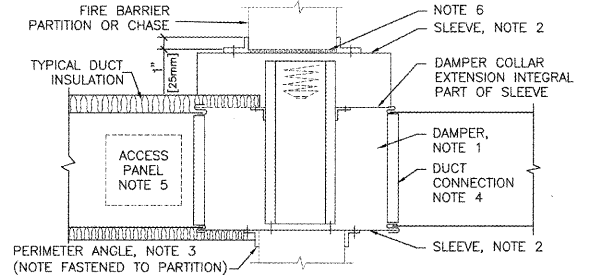
B6 HYDRONIC RADIANT CEILING PANELS - PIPING CONNECTIONS
SCALE: NONE



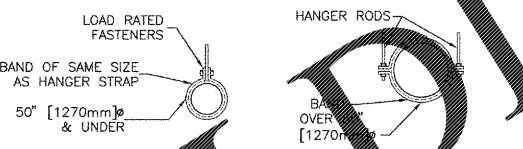
B9 PIPING CROSSING A SEISMIC JOINT DETAIL "E"
SCALE: NONE

SCHEDULE FOR PIPING CROSSING A SEISMIC JOINT

LOCATION	PIPE	DIMENSIONS INCHES (MM)					
		a	b	c	d	e	f
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-



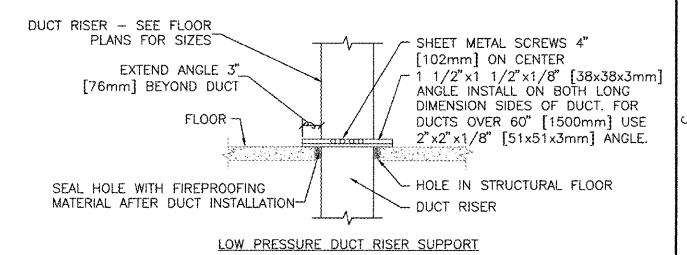
D3 SECTION THRU TYPICAL FIRE DAMPER INSTALLATION
SCALE: NONE



HANGER STRAPS OR RODS

MAX. DUCT IN. [mm]	#	QUANTITY/SIZE	MAX. LOAD LBS. [kg]	MAX. SPACING IN. [mm]
26 [650]	ONE	1 [25] x 22 STRAP	260 [119]	144 [3658]
30 [900]	ONE	1 [25] x 18 STRAP	420 [190]	144 [3658]
36 [900]	ONE	1 [25] x 16 GA STRAP	700 [317]	144 [3658]
42 [1065]	TWO	3/8 [10] RODS	1320 [598]	144 [3658]
48 [1215]	TWO	1/2 [13] RODS	2500 [1133]	144 [3658]

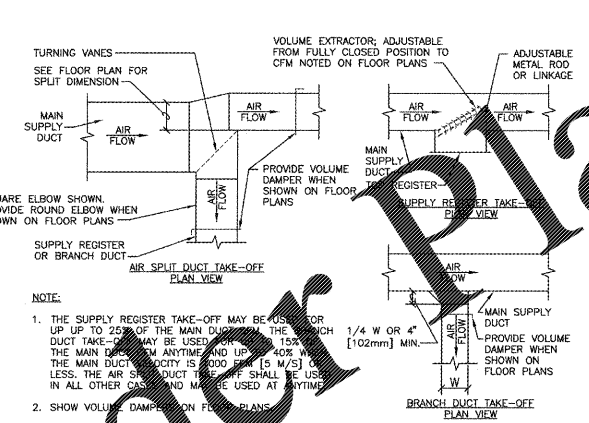
D6 ROUND DUCT HANGERS
SCALE: NONE



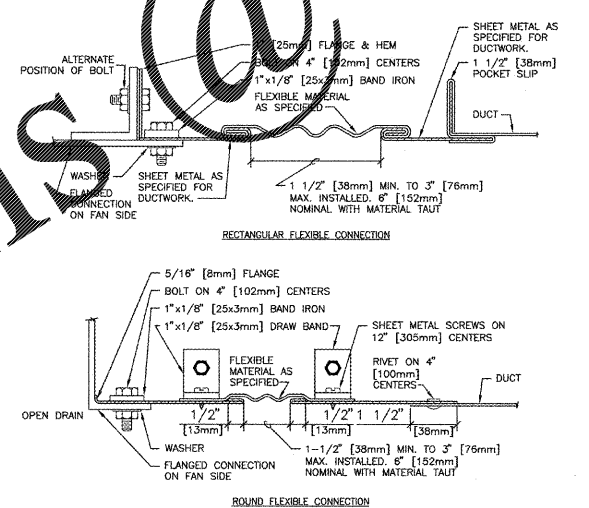
D9 LOW, MEDIUM AND HIGH PRESSURE DUCT RISER SUPPORTS
SCALE: NONE

- NOTES:**
- WHEN COIL IS INCLUDED IN CASING MOUNTED ON VIBRATION ISOLATORS THE FIRST 2 HANGERS FOR EACH PIPE SHALL BE SPRING & NEOPRENE TYPE, TYPE "H" FOR 4" [100mm] PIPE & SMALLER, TYPE "H-P" FOR 5" [125mm] PIPE & LARGER.
 - PIPING SHALL BE INSTALLED IN SUCH MANNER THAT IT WILL NOT BLOCK THE SWING OR USE OF ACCESS DOORS OR PANELS; NEITHER SHALL IT BLOCK THE SERVICING OF FILTERS, VALVES, OR EQUIPMENT.
 - A STRAIGHT-THRU MODULATING CONTROL VALVE IS SHOWN BY SOLID PIPING. WHEN CONTROL DIAGRAMS INDICATE A THREE-WAY MODULATING CONTROL VALVE IS REQUIRED, PROVIDE DASHED PIPING ALSO.
 - THE WATER FLOW MEASURING DEVICE MAY BE INSTALLED IN THE SUPPLY PIPING IF THE REQUIRED MINIMUM UPSTREAM AND DOWNSTREAM DIMENSIONS CANNOT BE OBTAINED IN THE RETURN PIPING.

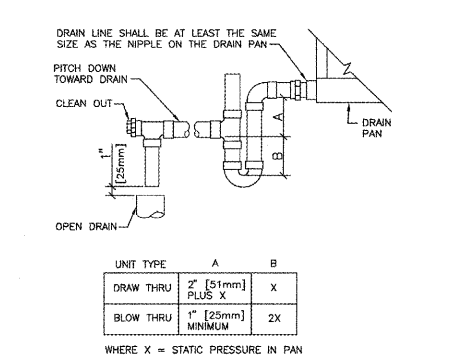
E1 TYPICAL CONNECTIONS TO WATER COIL
SCALE: NONE



E1 TYPICAL CONNECTIONS TO WATER COIL
SCALE: NONE



E6 TYPICAL CHILLED AND HOT WATER PIPING DRAIN VALVE CONNECTIONS
SCALE: NONE



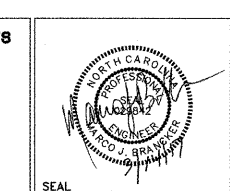
F9 AIR HANDLING UNIT DRAIN TRAP DETAIL
SCALE: NONE

F3 RECTANGULAR AND ROUND FLEXIBLE CONNECTION DETAILS
SCALE: NONE

F6 TYPICAL AIR VENT
SCALE: NONE

REVISION	DESCRIPTION

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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

Project Title
RENOVATE MENTAL HEALTH UNITS

Date
 February 10, 2017

Project Number
 509-12-104

100% CONSTRUCTION DOCUMENTS

Checked Reviewed Const. Contract No.

DRAWING No.
M502

