

100% Submission	7/02/10
90% Submission	5/27/10
60% Submission	4/28/10
Revisions	

VA WESTERN NEW YORK HEALTHCARE SYSTEM  
 3495 BAILEY AVENUE  
 BUFFALO, NEW YORK 14215

**URS**  
 BUFFALO, N.Y.,  
 77 GOODELL ST  
 716-856-5536

Architect stamp

CARDIOLOGY	DATE	ENGINEERING MANAGER	DATE
INFECTION CONTROL	DATE	CARELINE MANAGER	DATE
SAFETY OFFICER	DATE	CHIEF OF STAFF	DATE

DATE	ENGINEERING MANAGER	DATE
DATE	CARELINE MANAGER	DATE
DATE	CHIEF OF STAFF	DATE

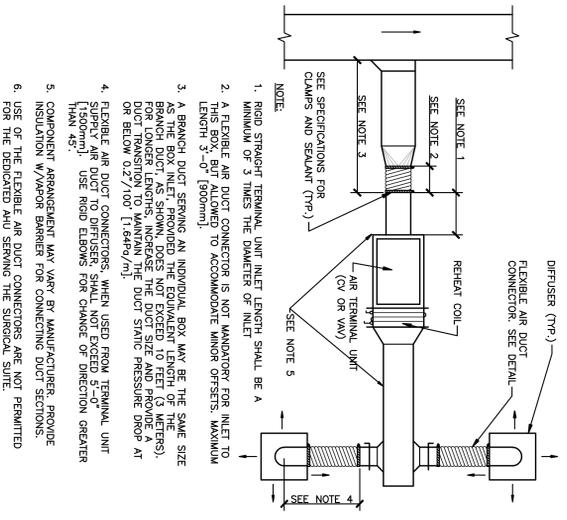
Drawing Title	MECHANICAL DETAILS (SHEET 7 OF 8)
ASSOCIATE MEDICAL CENTER DIRECTOR	DATE
ASSOCIATE MEDICAL CENTER DIRECTOR	DATE

Project Title	RENOVATION OF BLDG #1, 2ND FLOOR, B-WARD
Building Number	1
Location	V.A. M.C. BAYVIEW, NEW YORK

Date	JULY 2, 2010 (UPDATED 10/07/10)
Station No.	528
09-352 MH-608	

Office of Facilities  
 Department of Veterans Affairs

**3 DUCT CONNECTIONS - AIR TERMINAL UNITS**  
 NTS



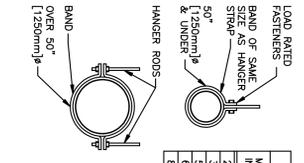
1. ROUND STRAP/TERMINAL UNIT INLET LENGTH SHALL BE A MINIMUM OF 3 TIMES THE DIAMETER OF INLET.
2. A FLEXIBLE AIR DUCT CONNECTOR IS NOT MANDATORY FOR INLET TO LENGTH 3'-0" (900mm).
3. A BRANCH DUCT SERVING AN NONRIGID BOX MAY BE THE SAME SIZE AS THE BOX INLET, PROVIDED THE EQUIVALENT LENGTH OF THE BRANCH DUCT AS SHOWN, DOES NOT EXCEED 10 FEET (3 METERS). THE EQUIVALENT LENGTH IS THE LENGTH OF THE BRANCH DUCT TRANSITION TO MAINTAIN THE DUCT STATIC PRESSURE DROP AT OR BELOW 0.27/100' [1.64Pa/m].
4. FLEXIBLE AIR DUCT CONNECTORS, WHEN USED FROM TERMINAL UNIT SUPPLY AIR DUCT TO DIFFUSER, SHALL NOT EXCEED 5'-0" (1500mm). USE ROUND ELBOWS FOR CHANGE OF DIRECTION GREATER THAN 90°.
5. COMPONENT ARRANGEMENT MAY VARY BY MANUFACTURER. PROVIDE INSULATION WHERE SHOWN FOR CONNECTIONS DUCT SECTIONS.
6. USE OF THE FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED FDU SERVING THE SURGICAL SUITE.

**HANGER STRAPS OR RODS**

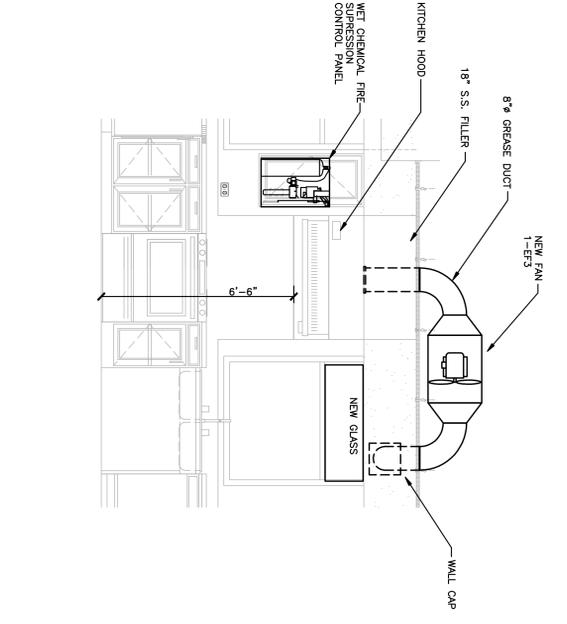
MAX. DUCT #	QUANTITY/SIZE	MAX. LOAD	MAX. SPACING
N <sub>1</sub> (mm)	N <sub>2</sub> (mm)	lbs. (kg)	ft. (mm)
26 (660)	ONE 1/2" x 22 GA STRAP	760 (119)	144 (3600)
36 (900)	ONE 1/2" x 18 GA STRAP	420 (180)	144 (3600)
50 (1250)	ONE 1/2" x 16 GA STRAP	720 (317)	144 (3600)
60 (1500)	TWO 3/8" (10.6) RODS	1320 (598)	144 (3600)
84 (2100)	TWO 1/2" (13.9) RODS	2520 (1133)	144 (3600)

NOTE: REGULATED DATA FROM SPACING AND SUPPORTING INSULATION, BUT NO EXTERNAL LOAD.

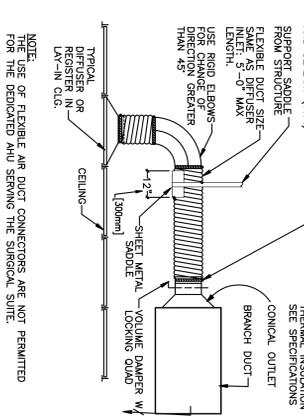
**1 ROUND DUCT HANGERS**  
 NTS



**4 KITCHEN HOOD DETAIL**  
 NTS



**2 FLEXIBLE AIR DUCT CONNECTOR**  
 NTS



- NOTE: USE OF FLEXIBLE AIR DUCT CONNECTORS ARE NOT PERMITTED FOR THE DEDICATED AHU SERVING THE SURGICAL SUITE.