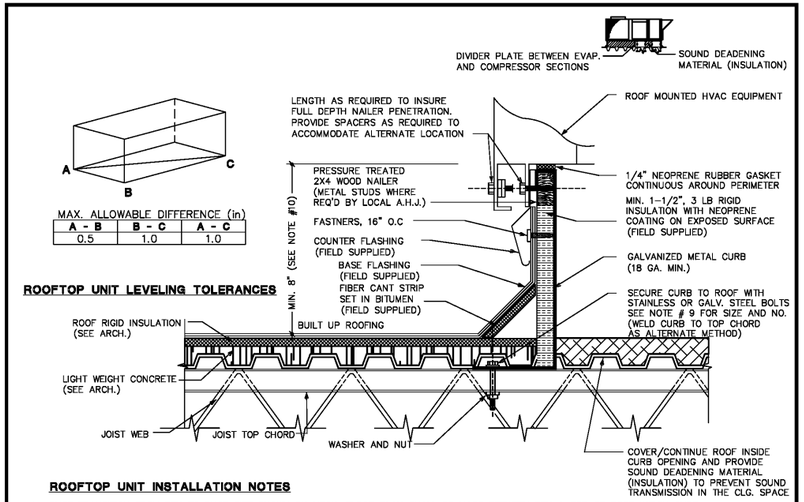


MAX. ALLOWABLE DIFFERENCE (in)

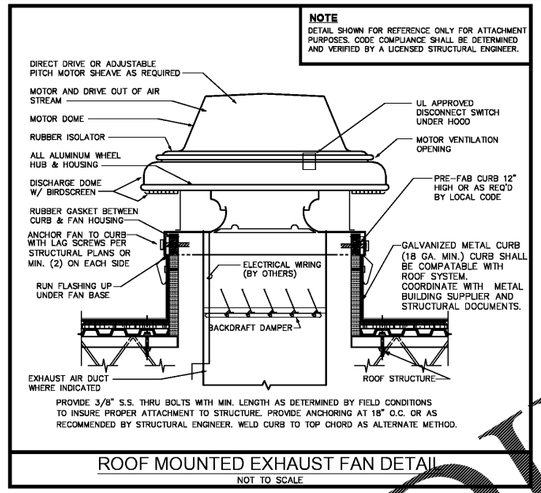
A - B	B - C	A - C
0.5	1.0	1.0

ROOFTOP UNIT LEVELING TOLERANCES

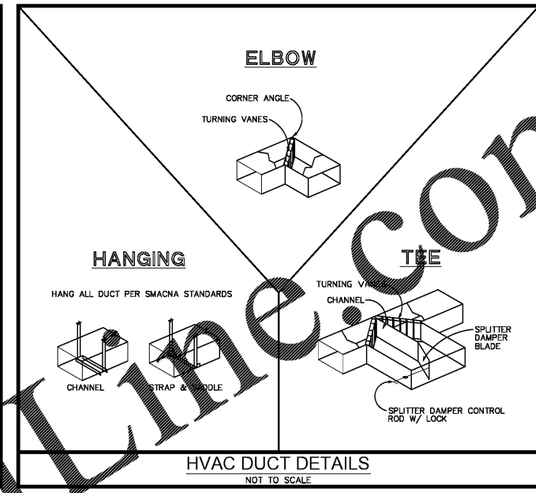
ROOFTOP UNIT INSTALLATION NOTES

1. DUCT TRANSITION FROM RTU TO DUCT SIZE SHOWN ON MECH. FLOOR PLAN SHALL BE MADE BETWEEN RTU & TOP OF ROOF WITHIN CURB.
2. SIZE OF OPENING IN ROOF DECK TO BE AS SMALL AS POSSIBLE, 6" MAX. LARGER THAN DUCT SIZE SHOWN. COORDINATE W/STRUCTURAL PLANS.
3. INSTALL PER MANUFACTURER'S RECOMMENDATION AND INSTALLATION MANUAL.
4. ALL WIRING BY ELECTRICAL CONTRACTOR.
5. SHIM CURB AS REQUIRED TO PROVIDE HORIZONTAL INSTALLATION OF UNIT WITHIN PRESCRIBED TOLERANCES
6. CONTRACTOR SHALL COORDINATE LOCATION OF ROOF CURB WITH STRUCTURE PRIOR TO INSTALLATION.
7. ROOF CURB BY AIR CONDITIONER MANUFACTURER. PROVIDE ADDITIONAL BRACING AND SUPPORT. AS REQUIRED FOR ROOF CURB INSTALLATION TO WITHSTAND WIND LOAD PER LOCAL CODES.
8. CURB TO BE HEAVY GAUGE GALVANIZED STEEL CONSTRUCTION AS RECOMMENDED BY MANUFACTURER, ALL FASTENERS SHALL BE CORROSION PROTECTED IF EXPOSED TO OUTDOORS
9. FOR ATTACHMENT OF A/C UNIT ROOF CURB TO ROOF STRUCTURE, PROVIDE 3/8" DIAMETER THRU BOLT WITH LOCK WASHER AND NUT. PROVIDE MINIMUM OF (8) BOLTS (2) PER SIDE OR AS RECOMMENDED BY STRUCTURAL ENGINEER.
10. CLEARANCE OF UNIT TO ABOVE FINISHED ROOF SHALL COMPLY WITH LOCAL CODE REQUIREMENTS.

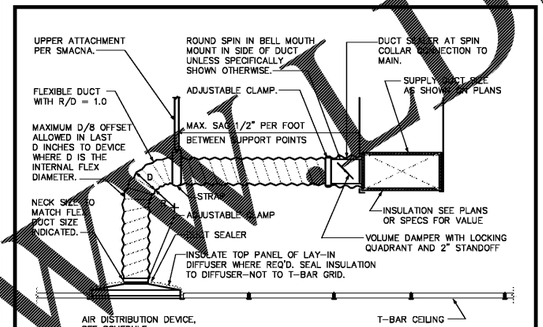
HVAC EQUIPMENT ROOF CURB DETAIL
NOT TO SCALE



ROOF MOUNTED EXHAUST FAN DETAIL
NOT TO SCALE



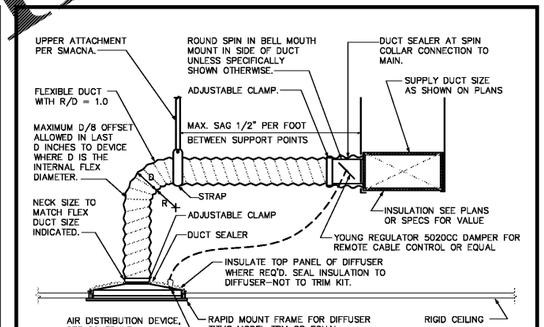
HVAC DUCT DETAILS
NOT TO SCALE



FLEXIBLE DUCT NOTES:

1. FLEXIBLE DUCTS SHALL BE ONE-PIECE AND SHALL NOT BE SPLICED TOGETHER.
2. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC.
3. MINIMUM 1" WIDE 22 GALVANIZED STRAP HANGER WITH HEMMED EDGES PER SMACNA. FIGURE 3-10
4. FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NOT LESS THAN R/D = 1.0
5. PROVIDE NON METALLIC, INSULATED FLEXIBLE DUCT.

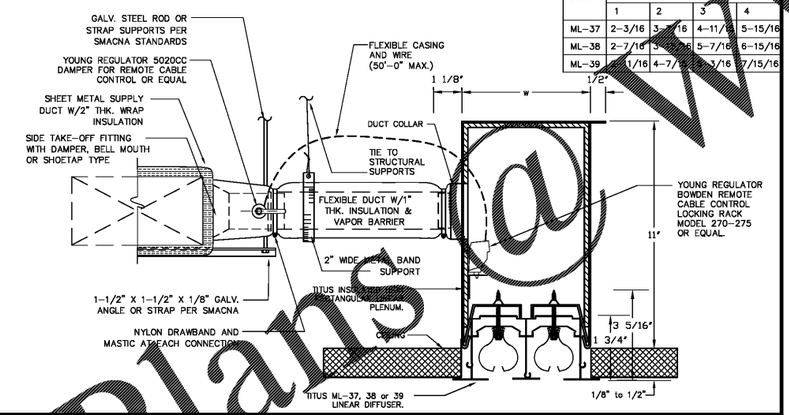
FLEXIBLE DUCT CONNECTION DETAIL (LAY-IN CEILING)
NOT TO SCALE



FLEXIBLE DUCT NOTES:

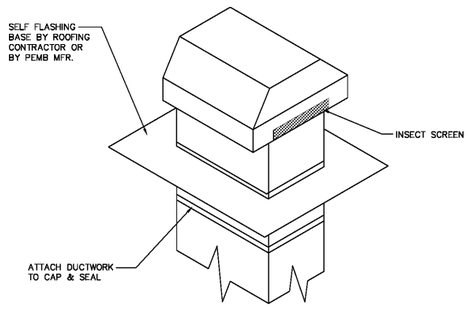
1. FLEXIBLE DUCTS SHALL BE ONE-PIECE AND SHALL NOT BE SPLICED TOGETHER.
2. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC.
3. MINIMUM 1" WIDE 22 GALVANIZED STRAP HANGER WITH HEMMED EDGES PER SMACNA. FIGURE 3-10
4. FLEXIBLE AIR DUCT SHALL BE FULLY EXTENDED AND NOT COMPRESSED WITH ELBOW RADIUS NOT LESS THAN R/D = 1.0
5. PROVIDE NON METALLIC, INSULATED FLEXIBLE DUCT.

FLEXIBLE DUCT CONNECTION DETAIL (RIGID CEILING)
NOT TO SCALE

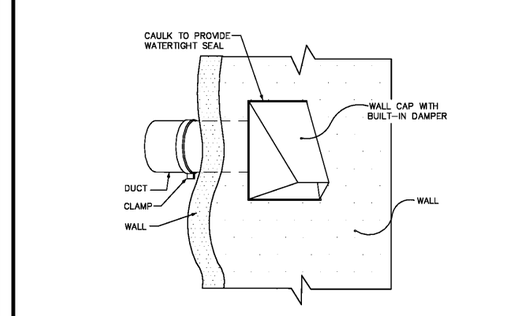


ML/MLR TYPE	W WIDTH (IN) NUMBER OF SLOTS 1	2	3	4
ML-37	2-3/16	3-7/16	4-11/16	5-15/16
ML-38	2-7/16	3-[illegible]	5-7/16	6-15/16
ML-39	[illegible]1/16	4-7/[illegible]	[illegible]/16	7-15/16

TYPICAL LINEAR DIFFUSER DETAIL (RIGID CEILING)
NOT TO SCALE



ROOF CAP DETAIL
NOT TO SCALE



WALL CAP DETAIL
NOT TO SCALE

Order Plans @ WWW.Online.com

PROMUS
SCOTT MERIWETHER, P.E.
GEORGIA LICENSE #30780
518 BLACK CANYON PARK
CANTON, GA 30114
PROJECT MANAGER: GEORGE DAVIDOV
PHONE 678.246.5146

GEORGIA REGISTERED PROFESSIONAL ENGINEER SCOTT MERIWETHER
SEAL

REVISION	DATE

ELLSWORTH ARCHITECTS
3136 LANIER DRIVE
ATLANTA, GEORGIA 30319
PHONE: 404.949.9351

PRO BUILDING SYSTEMS
DESIGN BUILD CONTRACTORS
3678 North Peachtree Road
Atlanta, Georgia 30341
(770) 455-1791 / Fax 455-4123
www.probldgsystems.com

GINN CHRYLSER - DODOGE - RAM AND JEEP
I-20 ACCESS ROAD
COVINGTON GEORGIA 30040

DATE: 11.06.2018
SCALE: AS SHOWN
BY: GD
JOB ID:

MECHANICAL DETAILS

DRAWING TITLE

M7.1