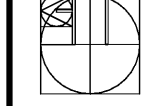




REVISION DATE


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.probdgsystems.com

GINN CHRYSLER - DODGE - RAM AND JEEP  
 I-20 ACCESS ROAD  
 COVINGTON GEORGIA 30040

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

FIRST FLOOR MECHANICAL PLAN  
 DRAWING TITLE

M2.1

SHEET 2 OF 7

- KEY NOTES**
- OPEN E/A DUCT COVERED WITH 1/2" STAINLESS STEEL WIRE MESH. TERMINATE 12" ABOVE COMPRESSOR DISCHARGE. COORDINATE EXACT LOCATION WITH SHOP EQUIPMENT VENDOR BEFORE INSTALLATION.
  - ROOF OPENING FOR EXHAUST FAN ABOVE. SEE SHEET M2.3 FOR CONTINUATION.
  - 4" FLUE UP TO ROOF CAP.
  - 4" FLUE UP TO ROOF CAP. SEE SHEET M2.2 FOR CONTINUATION.
  - PROVIDE MOUNTING TO SUPPORT FAN INSTALLATION BETWEEN STRUCTURAL ELEMENTS.
  - 8" OA DUCT TO BRICK VENT.
  - IN-GROUND TAILPIPE EXHAUST BY SHOP EQUIPMENT VENDOR. (TYPICAL)
  - TAILPIPE EXHAUST BLOWER TO BE PROVIDED AND INSTALLED BY SHOP EQUIPMENT VENDOR.
  - SA AND RA DUCT UP TO ROOFTOP UNIT ABOVE. SEE SHEET M2.3 FOR CONTINUATION.

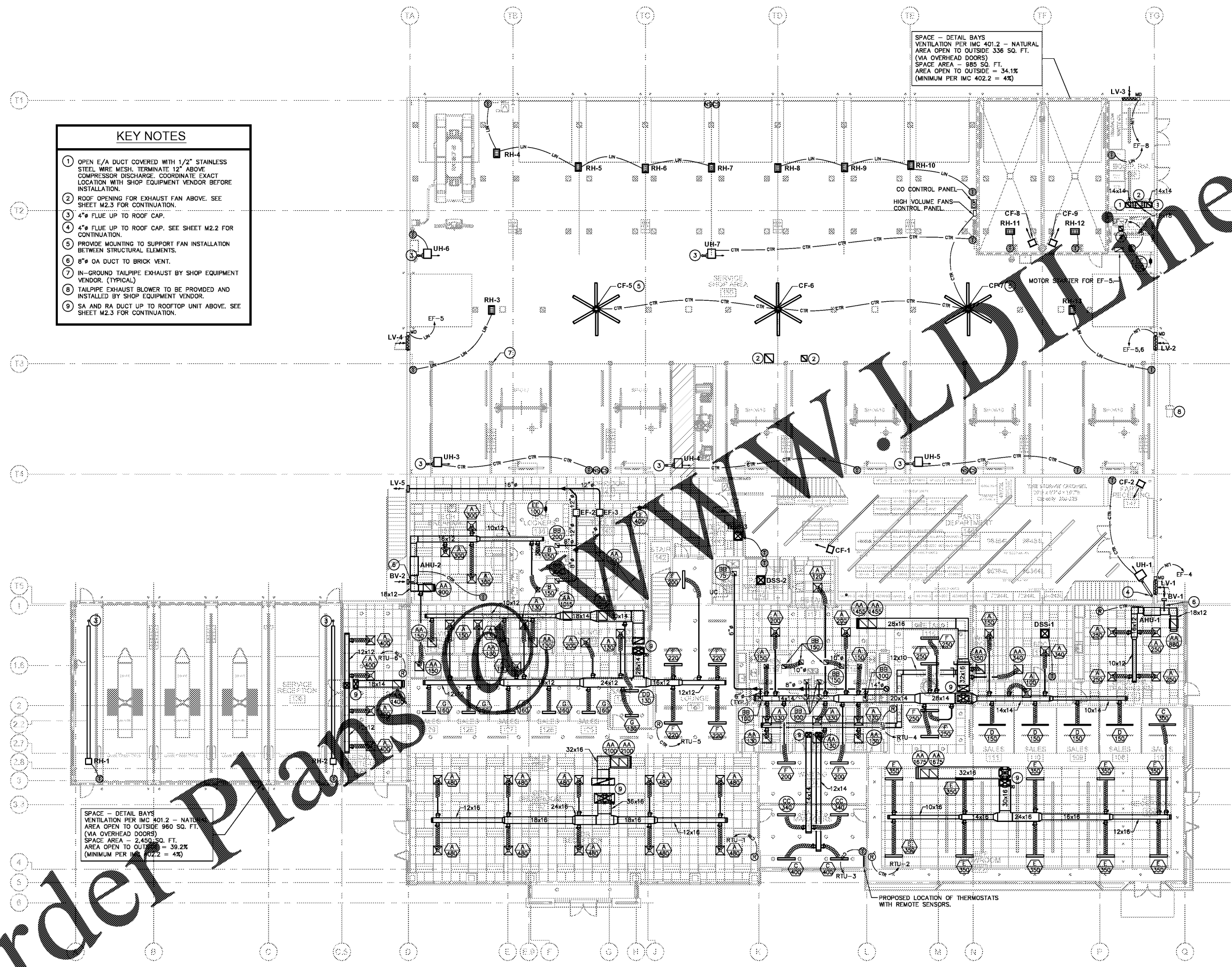
SPACE - DETAIL BAYS  
 VENTILATION PER IMC 401.2 - NATURAL  
 AREA OPEN TO OUTSIDE 336 SQ. FT.  
 (VIA OVERHEAD DOORS)  
 SPACE AREA - 985 SQ. FT.  
 AREA OPEN TO OUTSIDE = 34.1%  
 (MINIMUM PER IMC 402.2 = 4%)

SPACE - DETAIL BAYS  
 VENTILATION PER IMC 401.2 - NATURAL  
 AREA OPEN TO OUTSIDE 960 SQ. FT.  
 (VIA OVERHEAD DOORS)  
 SPACE AREA - 2,450 SQ. FT.  
 AREA OPEN TO OUTSIDE = 39.2%  
 (MINIMUM PER IMC 402.2 = 4%)

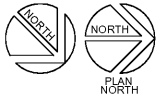
**DUCT SCHEDULE**

S/A	R/A	FLOW (CFM)
6"	8"	50-125
8"	10"	130-195
10"	12"	200-330
12"	12"	335-450
14"	14"	455-700
-	16"	705-1100
-	18x18	1105-1600
-	22x22	1605-2000

- ROUND DUCT TO AIR DEVICE SHALL BE PER THIS TABLE UNLESS NOTED OTHERWISE.
- RETURN AIR DUCT SHALL BE SIZED BASED ON TOTAL SUPPLY AIR IN SAME ROOM IF CFM NOT SHOWN AT RETURN AIR GRILLE.



1 FIRST FLOOR MECHANICAL PLAN  
 M2.1 3/32"=1'-0"



PROMUS  
 SCOTT MERIWETHER, P.E.  
 GEORGIA LICENSE #30780

518 BLACK CANYON PARK  
 CANTON, GA 30114  
 PROJECT MANAGER: GEORGE DAVIDOV  
 PHONE 678.246.5146

Order Plans @ WWW.LDLINE.COM