



**1 PROPOSED FLOOR PLAN - MECHANICAL**

M-1 SCALE: 3/16" = 1'-0"

**BUILDING AIR BALANCE SCHEDULE (DURING TEMPORARY DINING PHASE)**

UNIT	SUPPLY AIR CFM	OUTSIDE AIR CFM	RETURN AIR CFM	EXHAUST AIR CFM	SPACE NET PRESSURE CFM
AHU-2 (EX) (AS PER PLANS (8950-1350 CFM))	7600	1146	5685	---	+1146
EF-10 (EX)	---	---	---	-85	-85
EF-11 (EX)	---	---	---	-85	-85
EF-12 (EX)	---	---	---	-300	-300
EF-13 (EX)	---	---	---	-200	-200
EF-28 (EX)	---	---	---	-85	-85
EF-29 (EX)	---	---	---	-85	-85
TOTAL	7600	1146	5685	-840	+306 CFM BUILDING PRESSURE

- GENERAL NOTES**
- EXISTING RETURN AIR SYSTEM IS RETURN AIR PLENUM. FOR THE TEMPORARY DINING PORTION OF SCOPE OF WORK, THE RETURN AIR SYSTEM WILL TEMPORARILY HAVE A RETURN AIR DUCT (36"x20") EXTEND TO THE AREA OUTSIDE SCOPE OF WORK (DINING ROOM). NO SUPPLY AIR OR RETURN AIR SHALL BE IN USE FOR THE AREA OF SCOPE OF WORK (KITCHEN AND DISHWASHER) SCOPE OF WORK AREA SHALL BE ISOLATED.
  - 36"x20" RETURN AIR DUCTWORK SHALL BE INSTALLED FOR THE TEMPORARY DINING PORTION OF SCOPE OF WORK. DUCTWORK SHALL BE REMOVE ONCE AHU-K-1 SYSTEM IS INSTALLED AND FUNCTIONING.
  - KITCHEN AREA WILL BE ISOLATED WHILE NEW AHU-K-1 SYSTEM IS BEING INSTALLED.
  - EXISTING AHU-2 SHALL BE RE-BALANCE AT 7600 CFM WHILE TEMPORARY DINING ROOM IS IN FUNCTION. EXISTING AHU-2 SHALL BE RE-BALANCE TO 8275 CFM ONCE NEW AHU-K-1 IS INSTALLED AND FUNCTIONING.
  - 18"x8" AND 18"x12" RETURN AIR DUCTWORK SHALL BE INSTALLED FOR THE TEMPORARY DINING PORTION OF SCOPE OF WORK. DUCTWORK SHALL BE REMOVE ONCE AHU-K-1 SYSTEM IS INSTALLED AND FUNCTIONING. BOTH RETURN AIR GRILLES (RAG-1) THAT ARE CONNECTED SHALL REMAIN AND ALLOW RETURN AIR TO TRAVEL INTO EXISTING RETURN AIR PLENUM.
  - CONTRACTOR SHALL CONFIRM EXISTING DUCTWORK AND EQUIPMENT LOCATION PER SITE CONDITIONS. CONTRACTOR SHALL NOTIFY ARCHITECT/OWNER/ENGINEER OF ANY CONFLICTS AND SHALL PROPOSED POSSIBLE SOLUTIONS TO THE CONFLICT FOR APPROVAL FROM ARCHITECT/OWNER/ENGINEER.
  - 18"x12" RETURN AIR DUCT AND (2) RAG-1 (1350 CFM) SHALL BE INSTALLED AFTER NEW AHU-K-1 SYSTEM IS INSTALLED.
  - CONTRACTOR SHALL MAINTAIN MINIMUM 10'-0" BETWEEN OUTSIDE AIR INTAKE/OPENING AND EXHAUST FAN DISCHARGE.

**DELTA G CONSULTING ENGINEERS, INC.**  
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**PROJECT:** KITCHEN RENOVATION TO NORTH HOMELESS ASSISTANCE CENTER BROWARD COUNTY  
 1700 BLOUNT ROAD, POMPANO BEACH, FL

**FILE NO.:** 15-012  
**DATE:** 07/23/15  
**DRAWN BY:** SBUP/DSRT  
**CHECKED BY:** GSJ

**REVISIONS:**

NO.	DESCRIPTION	DATE	BY
1	BUILDING DEPT COMMENTS	09/28/16	
2	KITCHEN REDESIGN	09/28/16	
3	CMD COMMENTS	12/02/16	

**STAMP:**

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**SHEET NUMBER:** M-101