

GENERAL NOTES

- 1. Materials, equipment, and systems shall meet all pertinent requirements of the Underwriters Laboratory (UL), the 2017 Florida Building Code (Mechanical) with local amendments, the 2017 Florida Building Code (Plumbing) with local amendments, the 2017 Florida Building Code (Energy Conservation), the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Sheet Metal and Air Conditioning Contractors National Association (SMACNA), American Gas Association (AGA), National Fire Protection Association (NFPA), and other nationally recognized agencies as well as applicable local codes.

KITCHEN EXHAUST SYSTEM NOTES

- Ducts and associated fans and hoods shown on hood drawings shall comply with the International Mechanical Code and with NFPA 96, "Standard for Installation of Equipment for the Removal of Smoke and Grease Ladens Vapors from Cooking Operations in Commercial Kitchens."
Grease exhaust ducts shall be constructed of 18 gauge galvanized steel or 18 gauge stainless steel where exposed. Per FBCM 506.3.6, maintain 18" clear to combustibles including roof structure and roof penetration or protected by 1/2" rated chase, see architectural drawings. If a grease duct is within 18" of combustibles, and not properly protected, the top of the duct shall be protected by a metal hood to 18" above the roof penetration at the fans shall be wrapped with two layers of 3M Fire Barrier Ductwrap 6615+.

MECHANICAL SYMBOLS

Table of mechanical symbols including CA (Combustion Air), UN (Unless otherwise noted), MK (Mechanical Contractor), GC (General Contractor), EC (Electrical Contractor), PC (Plumbing Contractor), etc.

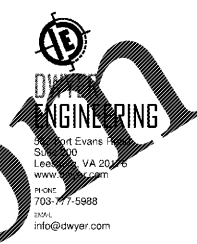
OUTSIDE AIR CALCULATIONS

RTU-1 Sales Area Outside Air Calculations table with columns for Zone Area, Area OA, Area CA, Occupant Load Rate, etc. Includes sub-tables for RTU-2 Back Areas and RTU-3 Offices.

HVAC EQUIPMENT SIZING SUMMARY

Summary table for RTU-1 MAIN AREAS, RTU-2 BACK AREAS, RTU-3 OFFICES, and RTU-4 VESTIBULE, showing COOLING and HEATING loads in BTU/hr and tons.

NOTES:
1) Calculations performed using Carrier's Hourly Analysis Program v5.10, in accordance with the 2017 Florida Building Code (Energy Conservation).
2) RTU-1 is sized for ASHRAE 0.4% dehumidification design point (83.0°F db/70.0°F wb). All systems are sized for ASHRAE 0.4% cooling design point (90.9°F db/77.4°F wb). Based on ASHRAE values from Naples, FL.
3) Systems are selected for cooling or dehumidification. Heating capacities are smallest available above minimum heating requirements.



Stucky's Market
LUCKY'S MARKET
6420 NAPLES BLVD.
NAPLES, FLA. 34109



MECHANICAL NOTES, SYMBOLS & CALC.
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