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ARCHITECTURE  
ENGINEERING  
STUDIES  
PLANNING  
INVESTIGATION  
EXPERT WITNESSES

NEW OFFICE  
COMPLEX

CHILD DEVELOPMENT  
COUNCIL OF  
ACADIANA, INC.  
OPELOUSAS, LA

MECHANICAL  
PLAN

REV: 12-7-09 CONST.

SCALE: AS NOTED

JOB#: 2030

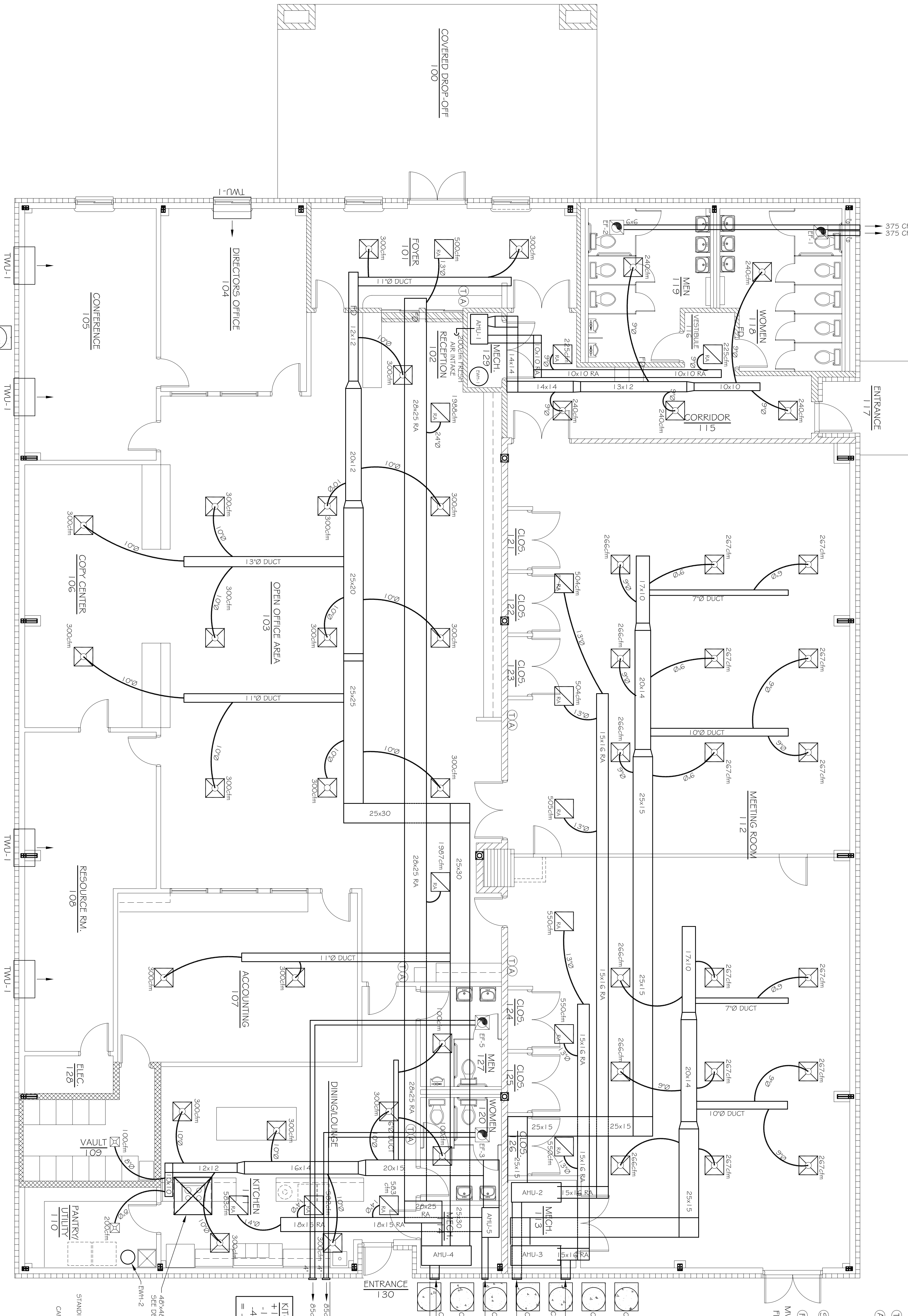
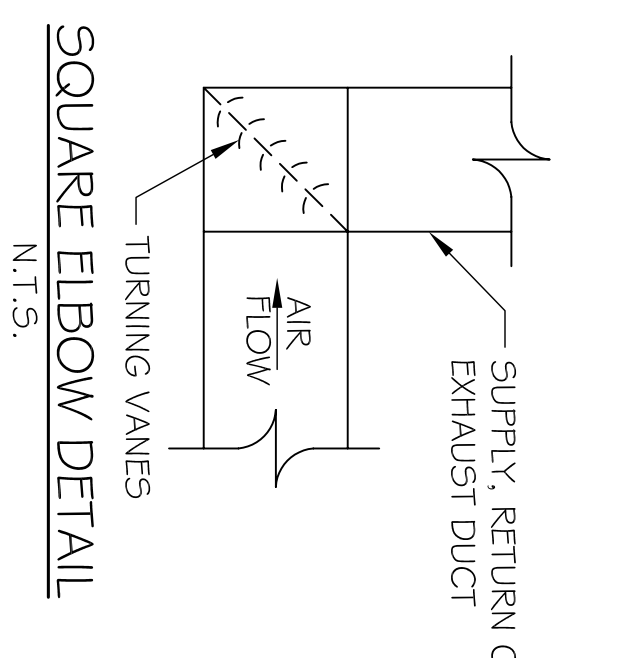
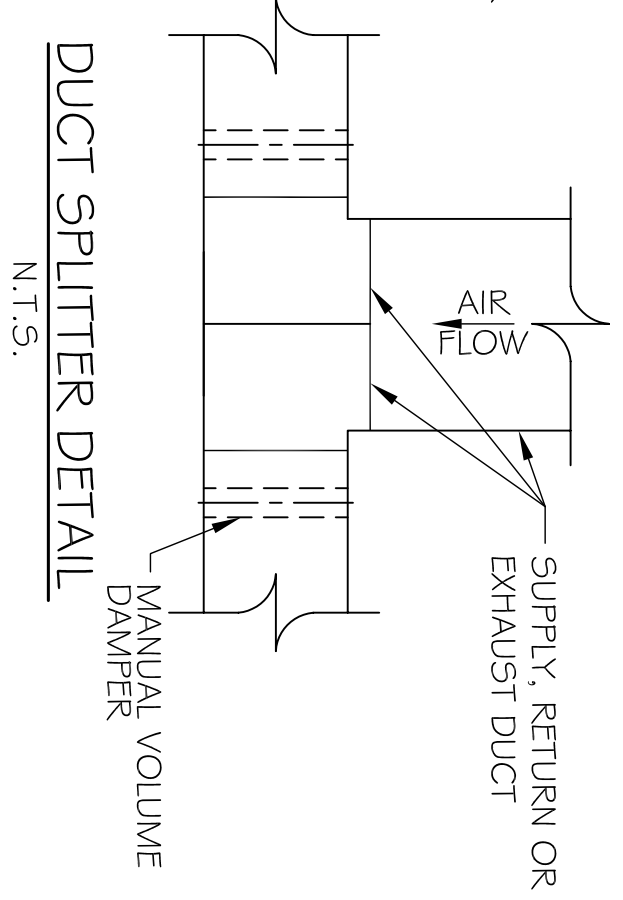
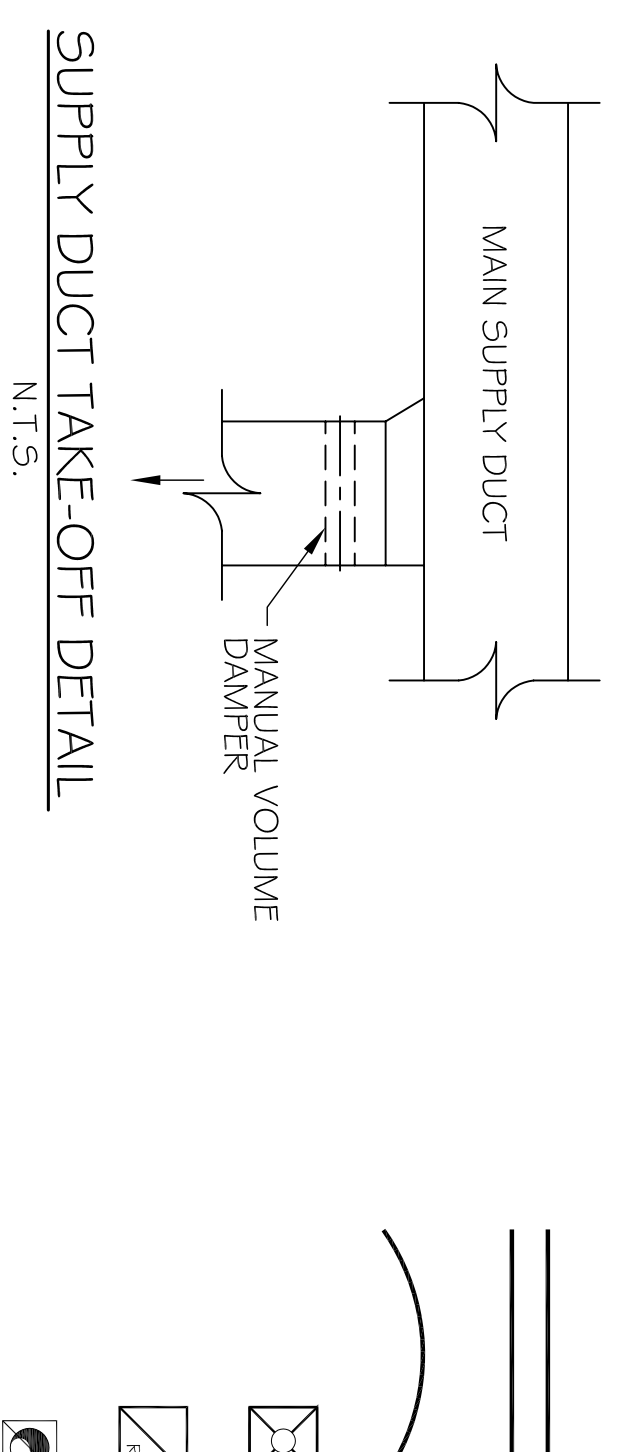
DATE: 10-19-09

SHEET 20

M-3

OF 26

- LEGEND**
- INDICATES NEW SHEET METAL DUCTWORK. SIZES INDICATED ARE SHEET METAL DIMENSIONS. REFER TO SPECIFICATIONS FOR TYPE OF INSULATION.
  - INDICATES NEW NEW PRE-INSULATED FLEXIBLE DUCT - MAX LENGTH 12'-0"
  - INDICATES NEW CEILING DIFFUSER - CFM AS NOTED - 24x24 UNLESS OTHERWISE NOTED. SIZE INDICATES NECK SIZE
  - INDICATES NEW RETURN AIR CEILING TRANSFER GRILLE OF SIZE INDICATED. TRANSFER DUCT TO BE FLEX OR RECTANGULAR AS INDICATED.
  - EXHAUST FAN
  - INDICATES NEW THERMOSTAT
  - INDICATES WALL MOUNTED ANNUNCIATOR PANEL WITH VISUAL AND AUDIBLE SIGNAL TO INDICATE ALARM CONDITIONS OF DUCT MOUNTED SMOKE DETECTOR. PROVIDE ONE PANEL FOR EACH AIR UNIT (NOT REQUIRED IF BUILDING HAS FIRE ALARM).
  - INDICATES NEW SMOKE DETECTOR (DUCT MOUNTED UNLESS NOTED OTHERWISE)
  - INDICATES NEW DUCT MOUNTED FIRESTAT - SEE AT 135°
  - MVD - DENOTES MANUAL VOLUME DAMPER
  - FD - DENOTES FIRE DAMPER



KITCHEN PRESSURIZATION:  
+1700 SUPPLY  
-1750 RETURN  
-400 EXHAUST HOOD  
= -450 CFM

NOTE: FRESH AIR INTAKES AND EXHAUST DUCTS MAY BE RUN TO AND TERMINATE AT SOFFIT IN LIEU OF PENETRATING ROOF OR BRICK VENEER.

