

1ST FLOOR HVAC EQUIPMENT- DUCT HEATERS								
ROOM	HEATER NO.	HEATING			ELECTRICAL		DUCT SIZE	HEATER MODEL
		CFM	KW	STAGES	VOLTAGE	PHASE		
110 NW	1-1	1,175	12	3	460	3	24X12	MARKEL HF SERIES
110 NE	1-2	885	10	2	460	3	16X12	MARKEL HF SERIES
110 NE	1-3	1,455	15	3	460	3	20X12	MARKEL HF SERIES
110 NE	*1-4	1,810	20	4	460	3	24X14	MARKEL HF SERIES

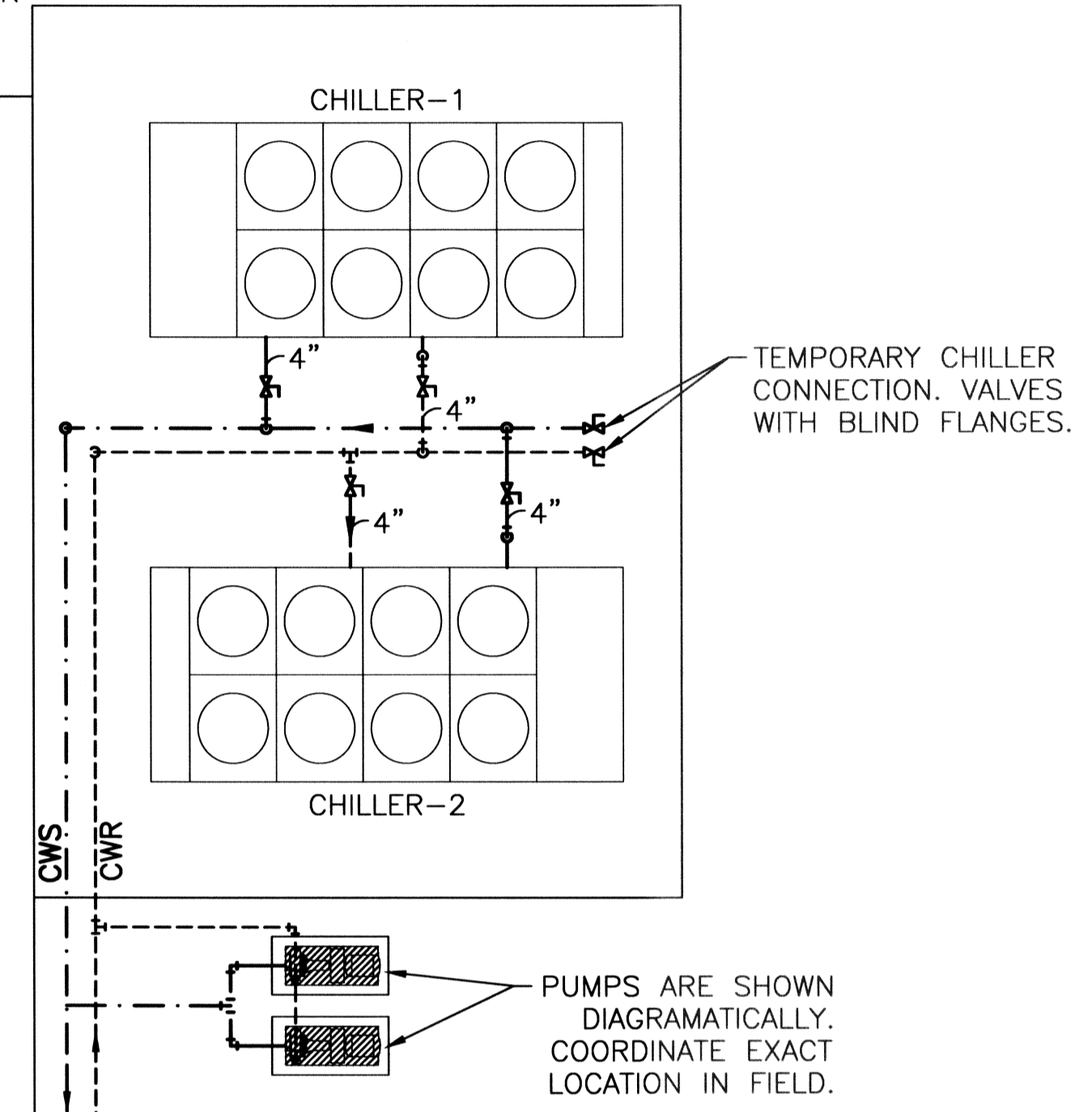
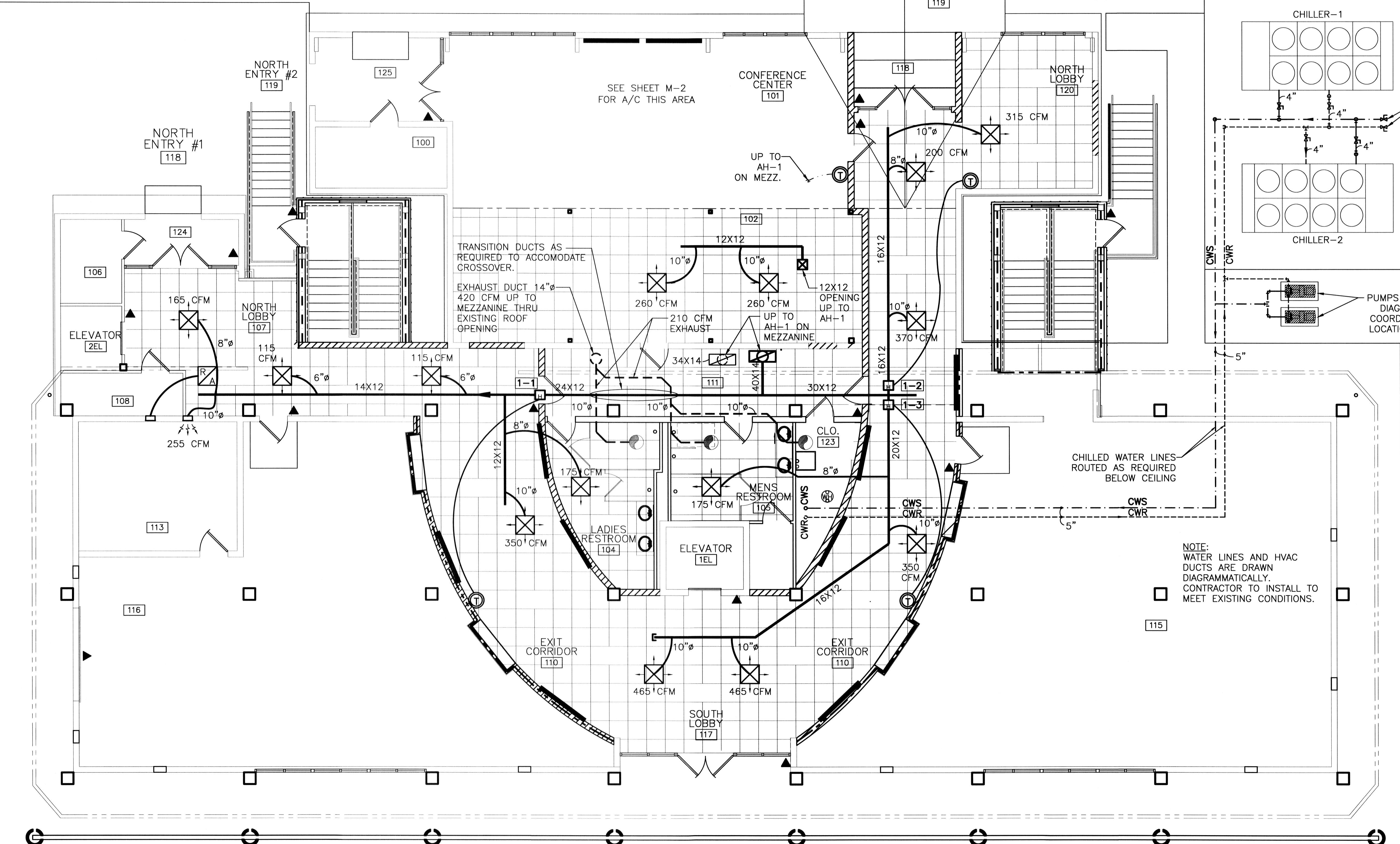
NOTES: \*FOR HEATERS 1-4 SEE DRAWING M-2. HEATERS TO BE PROVIDED WITH CONTROL TRANSFORMERS AND DIFFERENTIAL PRESSURE SWITCHES.

**NOTES**

- SEE DWG. M-9 "CHILLED WATER RISER DIAGRAM" FOR PIPE SIZES.
- SEE DWG. M-11 "OUTSIDE AIR RISER DIAGRAM" FOR DUCT SIZES.
- CONDENSATE LINES MAY BE RUN DIRECTLY TO DRAIN ON SAME FLOOR WHERE SUFFICIENT DROP IS AVAILABLE.
- INSULATE ALL PIPING.
- 15 FT. LONG HVAC FLEX HOSE MAY BE SUBSTITUTED AT DUCT RUN ENDS.
- ALL NEW DUCTWORK SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
- ADD VOLUME DAMPERS AT ALL DUCTWORK TEES, BRANCHES, AND TAKE OFF'S.
- WRAP ALL DUCT EXTERNALLY WITH 1" THICK, R-4.2 DUCT WRAP.
- ALL RECTANGULAR DUCT WORK SHALL HAVE WARD ANGLE CONNECTIONS.

**LEGEND**

- ELECTRIC DUCT HEATER
- VARIABLE AIR VOLUME DAMPER
- HVAC AIR REGISTER 24 X 24, TITUS #TMS
- EXHAUST BLOWER
- THERMOSTAT
- HVAC FLEX HOSE. NOT TO EXCEED 5' IN LENGTH.
- WALL AIR RETURN
- AUTO SHUT-OFF DAMPER
- FIRE DAMPER
- CWS - CHILLED WATER SUPPLY
- CWR - CHILLED WATER RETURN
- CD - CONDENSATE DRAIN
- FA - FRESH AIR
- THERMOSTAT WIRE
- RETURN AIR CASER OPENING IN WALL 32 x 12 (ROOM TO HALL CEILING)



**FIRST FLOOR MECHANICAL PLAN**  
SCALE: 3/16" = 1'-0"

NOTE: WATER LINES AND HVAC DUCTS ARE DRAWN DIAGMATICALLY. CONTRACTOR TO INSTALL TO MEET EXISTING CONDITIONS.

HVAC REVISED: 11/05/07 ab  
 REVISED: 06/04/07 ab  
 REVISED: 05/10/07 ab  
 REVISED: 05/02/07 ab  
 REVISED: 04/26/07 ab  
 REVISED: 03/07/07 ab  
 REVISED: 02/23/07 dd

1ST FLOOR MECHANICAL PLAN  
 ST. TAMMANY PARISH ADMIN. COMPLEX  
 520 OLD SPANISH TRAIL  
 SLIDELL, LOUISIANA

RENOVATE OFFICE BUILDING  
**DAMMON ENGINEERING, INC.**  
 1096 FLORIDA AVENUE 985-649-5892 SLIDELL, LA. 70458  
 DAMMONENGINEERING.COM

SCALE: AS NOTED  
 FILE:  
 JOB NO. 1729  
 DATE: 1-8-07

SHEET  
**M-1**  
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