

**MECHANICAL NOTES**

WORK DESCRIBED IN THESE NOTES IS TO BE PERFORMED UNDER DIVISION 22 (PLUMBING) AND DIVISION 23 (HVAC).

1. THIS DRAWING LOCATES FINAL MECHANICAL POINTS OF CONNECTION FOR EACH FOODSERVICE EQUIPMENT ITEM. IT DOES NOT INDICATE UTILITY ROUGH-IN LOCATIONS AND MUST NOT BE USED FOR THAT PURPOSE. LOCATIONS, SIZES, AND HEIGHTS ABOVE THE FLOOR ARE APPROXIMATELY AS THEY WILL OCCUR ON EQUIPMENT ITEMS SHOWN. THE DESIGN OF SYSTEMS TO ACCOMMODATE THESE REQUIREMENTS IS TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MEET WITH THE APPROVAL OF ALL GOVERNING AUTHORITIES.
2. UTILITIES SHOWN ARE FOR FOODSERVICE EQUIPMENT ITEMS ONLY. THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE MECHANICAL DRAWINGS FOR OTHER REQUIRED UTILITIES.
3. CONCEAL ALL UTILITIES (GAS, WATER AND STEAM LINES) IN WALLS AND STUB-OUT OF WALLS AS REQUIRED FOR CONNECTIONS. DO NOT RUN EXPOSED ON THE FACE OF THE WALL. DO NOT STUB-OUT OF THE FLOOR UNLESS IT IS BELOW FREESTANDING EQUIPMENT.
4. EXPOSED PIPING AND FITTINGS ABOVE WORK SURFACES TO BE STAINLESS STEEL. EXPOSED PIPING AND FITTINGS BELOW WORK SURFACES TO BE CHROME PAINTED.
5. ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION, BUT NOT LESS THAN 6" (153mm) ABOVE THE FLOOR SO AS TO PROVIDE CLEARANCE FOR CLEANING.
6. PROVIDE WATER AND GREASE-PROOF EXHAUST DUCTS FROM VENT CONNECTIONS OF DISHWASHING MACHINES, EXHAUST HOODS, AND VENTILATORS.
7. PROVIDE FIRE EXTINGUISHING SYSTEM IN ALL GREASE EXHAUST DUCTS AS REQUIRED.
8. CONCEAL EXHAUST VENTILATOR DRAIN LINES IN WALLS AND EXTEND TO BUILDING DRAINS AS REQUIRED.
9. A MECHANICAL GAS SHUT OFF VALVE OR ELECTRICAL SOLENOID SHUT OFF VALVE WITH MOMENTARY POWER INTERRUPTION DEVICE SHALL BE PROVIDED LOOSE BY KEC FOR FIELD INSTALLATION IN SUPPLY LINE FOR GAS FUELED EQUIPMENT ITEMS.
10. PROVIDE GREASE TRAPS WITH TOP FLUSH WITH TOP OF FINISHED FLOOR UNLESS PROVIDED OUTSIDE FOODSERVICE AREA. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY FOODSERVICE EQUIPMENT ITEM UNLESS THERE IS SUFFICIENT SPACE TO REMOVE COVER FOR SERVICE WITHOUT INTERFERING WITH THE OPERATION OF EQUIPMENT ITEMS.
11. PROVIDE EACH AIR-COOLED REFRIGERATION SYSTEM WITH A MINIMUM AIR SUPPLY OF 1,000 CFM PER HORSE POWER AND ADEQUATE EXHAUST TO KEEP AREA ADJACENT TO COMPRESSOR AND/OR COMPRESSOR ROOM TEMPERATURE BELOW 90°F (32°C).
12. NOT USED.
13. NOT USED.
14. NOT USED.
15. ALL INTERCONNECTED WATER LINE (IWL) RUNS ARE FOR DESIGN INTENT ONLY AND DO NOT REPRESENT ACTUAL FIELD RUNS. REFER TO UTILITY LOAD SCHEDULE SHEETS FOR INFORMATION ON POINT OF CONNECTIVITY.
16. VENTILATORS SHALL INCLUDE THERMOSTAT(S) INSTALLED IN THE CANOPY TO AUTOMATICALLY START THE EXHAUST FAN(S) WHEN COOKING OCCURS TO MEET IMC 2006 SECTION 507.2.1.1.

MECHANICAL ABBREVIATIONS AND SYMBOLS	
GAS	C ●
BRITISH THERMAL UNIT (000'S)	MBTU
HOT WATER	HW ◆
COLD WATER	CW ◆
INTERCONNECTED WATER LINE	IWL ◆
COOLING WATER	CTW ◆
COOLING WATER RETURN	CTWR ◆
WASTE	W ◆
INDIRECT WASTE	IW ◆
FLOOR DRAIN	FD ◆
FUNNEL FLOOR DRAIN	FFD ◆
FLOOR SINK	FS ◆
STEAM SUPPLY	SS ◆
CONDENSATE RETURN	CR ◆
GREASE TRAP	GT ◆
EXHAUST DUCT	◆
SUPPLY DUCT	◆
STATIC PRESSURE, WATER GAUGE	SPWG ◆
ABOVE FINISHED FLOOR	AFF ◆
DOWN FROM ABOVE	DFA ◆
AIR GAP DRAIN	AG ◆
COMPRESSED AIR	AIR ◆
REFRIGERATION LINE	REF ○

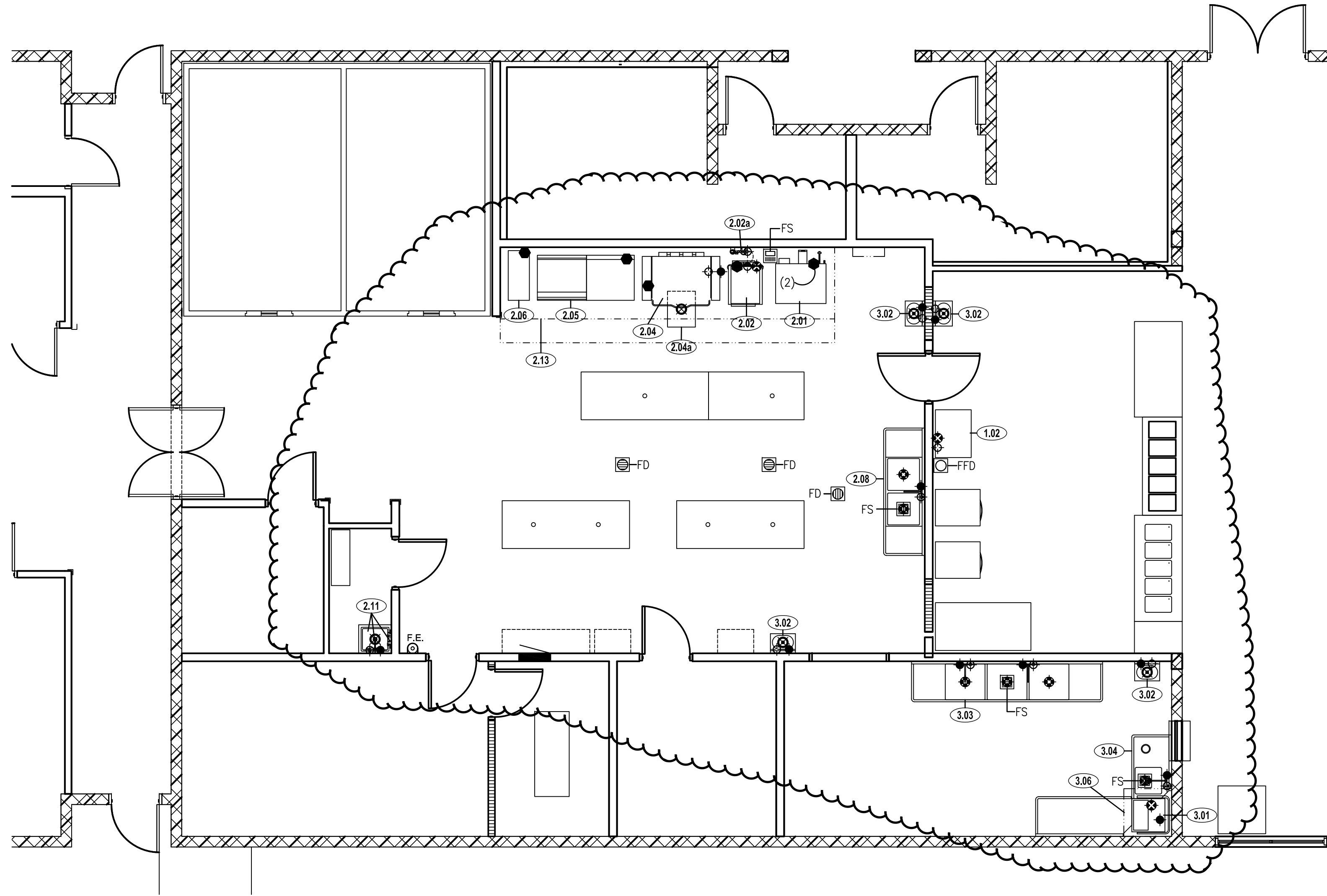
**NOTE:**  
REFER TO SHEET QF105  
FOR MECHANICAL UTILITY  
LOAD SCHEDULE

**FIRE EXTINGUISHING SYSTEM NOTES**

- FA WET CHEMICAL PIPING TO CONNECTION AT VENTILATOR BY KITCHEN EQUIPMENT TRADE
- FB IF REQUIRED BY LOCAL MECHANICAL JURISDICTIONS, MECHANICAL TRADE TO PROVIDE BY-PASS AT GAS SOLENOID VALVE

**VENTILATOR CONTROL PANEL NOTES**

- VA FOR REMOTE DETERGENT SYSTEM, PROVIDE 1" (25mm) CONCEALED EMPTY CONDUIT FROM PANEL TO 6" (153mm) ABOVE CEILING BY MECHANICAL TRADE FOR RUN OF REMOTE DETERGENT LINE
- VB MIXED " ( mm) HW (140°F (60°C) min.) DETERGENT LINE TO PLUMBING ASSEMBLY ABOVE VENTILATOR BY MECHANICAL TRADE (FOR ALL WATER-WASH EXHAUST HOODS)



**NOTE: THIS DRAWING IS FOR INFORMATION ONLY.**

GENERAL CONTRACTOR SHALL COORDINATE WITH THE KITCHEN EQUIPMENT SUB-CONTRACTOR AND RELATED MECHANICAL, ELECTRICAL AND PLUMBING SUB-CONTRACTORS TO ESTABLISH FINAL SPOT CONNECTIONS LOCATIONS AND CONFIGURATIONS AS REQUIRED. THIS DRAWING SHALL NOT BE USED TO LOCATE ANY UTILITY CONNECTIONS IN THE FIELD OR TO LOCATE ANY ROUGH-IN, PENETRATION, OR OTHER REQUIREMENTS.

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PROJECT NAME  
**NORTH HOMELESS ASSISTANCE CENTER**  
FT. LAUDERDALE, FL

SHEET TITLE  
**FOODSERVICE EQUIPMENT MECHANICAL SPOT CONNECTION PLAN**

PROJECT MGR./DRN:	SW/CAD
SCALE:	1/4" = 1'-0"
PROJECT NO.:	16-0046-0
ISSUE DATE:	/ /

REFERENCE NORTH SHEET NUMBER  
 QF102