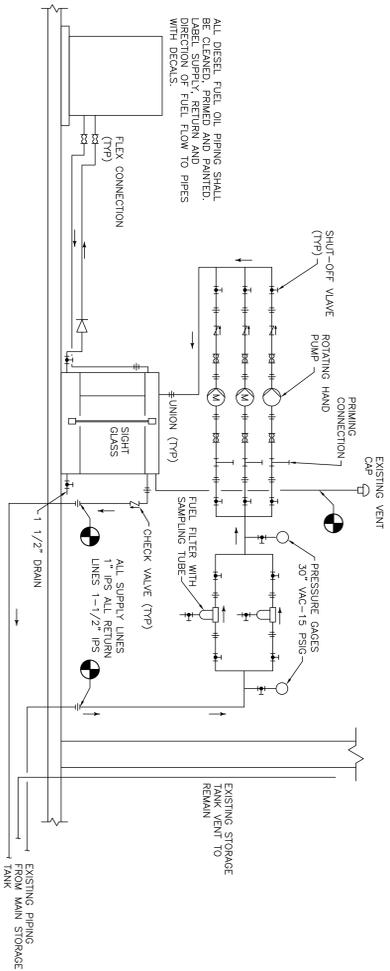


CONTRACTOR IS RESPONSIBLE FOR SEALING PENETRATIONS RESULTING FROM THE INSTALLATION OF THEIR WORK.

2054215000 MPLS

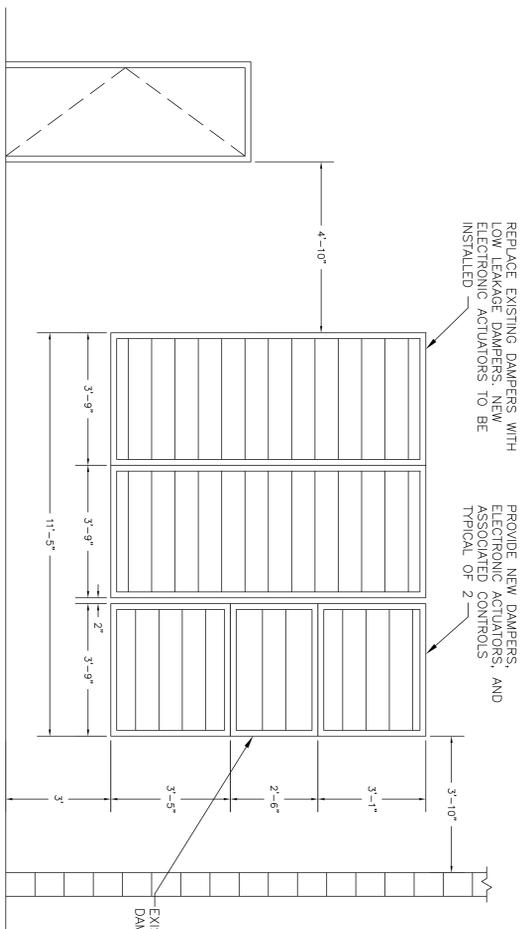


BLDG#49 – EMERGENCY GENERATOR EXHAUST
 SCALE: NTS

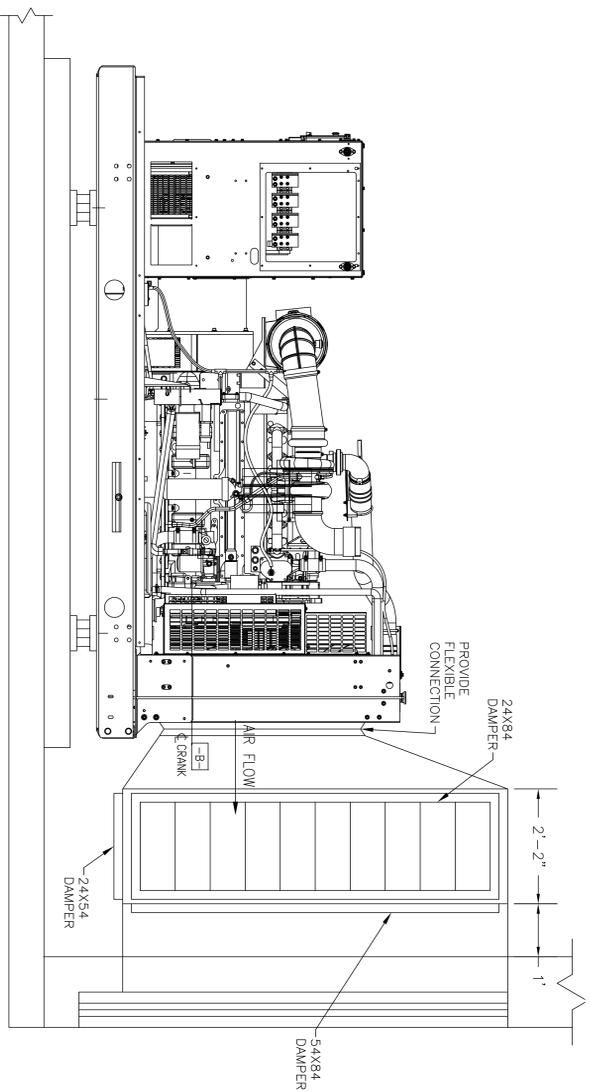


BLDG#49 – EMERGENCY GENERATOR FUEL OIL PIPING DIAGRAM
 SCALE: NTS

GENERAL NOTE:
 ALL CONTRACTORS AND SUBCONTRACTORS SHALL VERIFY ALL DIMENSIONS BY MEASUREMENT AT THE BUILDING AND/OR SITE.



BLDG#49 – EMERGENCY GENERATOR INTAKE AIR DAMPER
 SCALE: NTS



BLDG#49 – EMERGENCY GENERATOR SECTION VIEW
 SCALE: NTS

CONSTRUCTION DOCUMENT SUBMISSION

NOTES:
 1. MODIFY EXISTING DDC CONTROL SYSTEM TO ACCOMMODATE NEW ELECTRONIC DAMPER ACTUATORS.
 2. SEQUENCE OF OPERATION:
 A. DURING GENERATOR OPERATION, ROOM THERMOSTAT T1 SHALL MAINTAIN ROOM STAT SETTING BY MODULATING BY-PASS DAMPERS AND MODULATING ALL INTAKE AND DISCHARGE DAMPERS IN OPPOSITION TO THE BY-PASS DAMPERS. AS THERMOSTAT EXCEEDS SET POINT, BY-PASS DAMPERS SHALL MODULATE CLOSED WITH THE INTAKE AND DISCHARGE DAMPERS MODULATING OPEN.
 B. DURING NORMAL OPERATION IN HEATING MODE: SPACE THERMOSTAT SHALL CYCLE UNIT HEATER.
 C. DURING NORMAL OPERATION IN VENTILATION MODE: SPACE THERMOSTAT SHALL ENERGIZE EXHAUST FAN AND OPEN VENTILATION DAMPER TO MAINTAIN SET POINT.

PROVIDE CONTROLLER(S) SUITABLE FOR FUTURE FSC PROGRAMMING

DDC CONTROLLER T1

PROVIDE ELECTRONIC DAMPER ACTUATORS (TYPICAL)

BY-PASS DAMPERS BOTH SIDES AND BOTTOM (NORMALLY CLOSED)

BLDG#49 – EMERGENCY GENERATOR DAMPER OPERATION AND CONTROL
 SCALE: NTS

Drawing Title: MISCELLANEOUS DETAILS

Project Title: STUDY OF EMERGENCY POWER	Date: 10/29/2012
Approved: Division Chief: 100% SUBMITTAL	Project No.: 618-12-104
Approved: Service Director: 49	Checked: JAR
Location: V.A. MEDICAL CENTER MINNEAPOLIS, MN 55417	Drawn: LAK
	DRAWING NO: 1263-M601
	Dwg 4 of 7