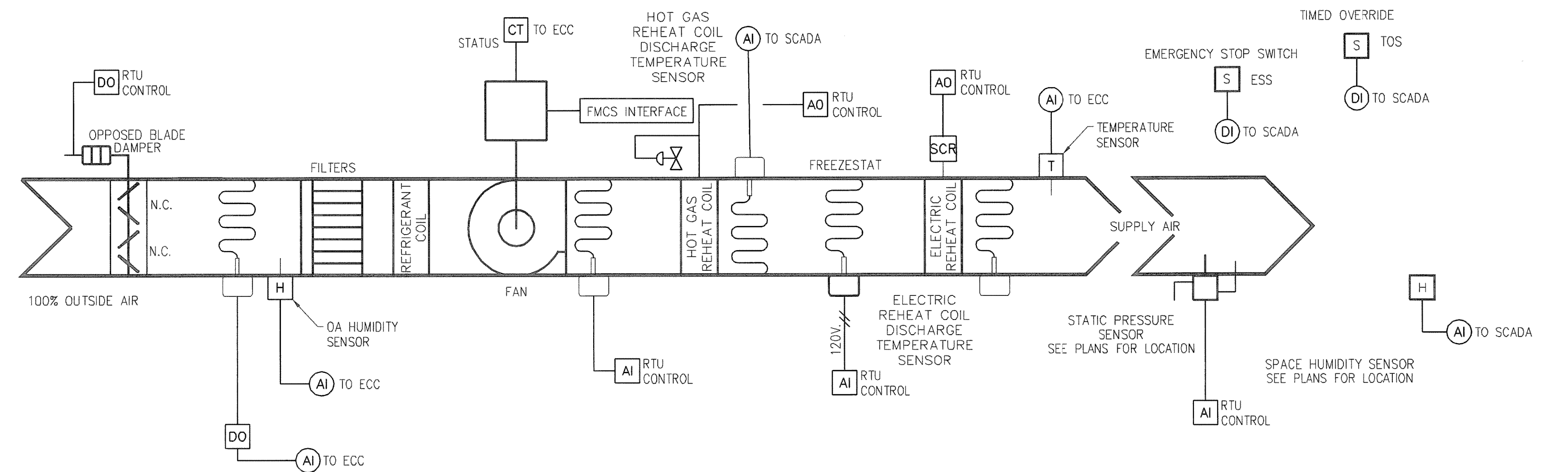


DDC POINT LIST					
DESCRIPTION	DESCRIPTION	DIGITAL IN	DIGITAL OUT	ANALOG IN	ANALOG OUT
SUPPLY FAN					
SUPPLY AIR TEMPERATURE	SUPPLY TEMP			ADTS	
FREEZESTAT	FREEZE STAT	FT			
SPACE TEMPERATURE					
SPACE HUMIDITY	SPACE HUMIDITY			RHS	
SUPPLY DUCT STATIC PRESSURE	DUCT DIFFERENTIAL STATIC PRESSURE			DDP	
HEATING COIL VALVE	REHEAT COIL VALVE				HV
COOLING COIL VALVE (DX STAGE 1)	COOLING COIL VALVE				CV
FIRE ALARM INTERLOCK	FIRE ALARM INTERLOCK				FA
EMERGENCY STOP SWITCH	EMERGENCY STOP SWITCH				ESS
TIMED OVERRIDE	TIMED OVERRIDE				TOS



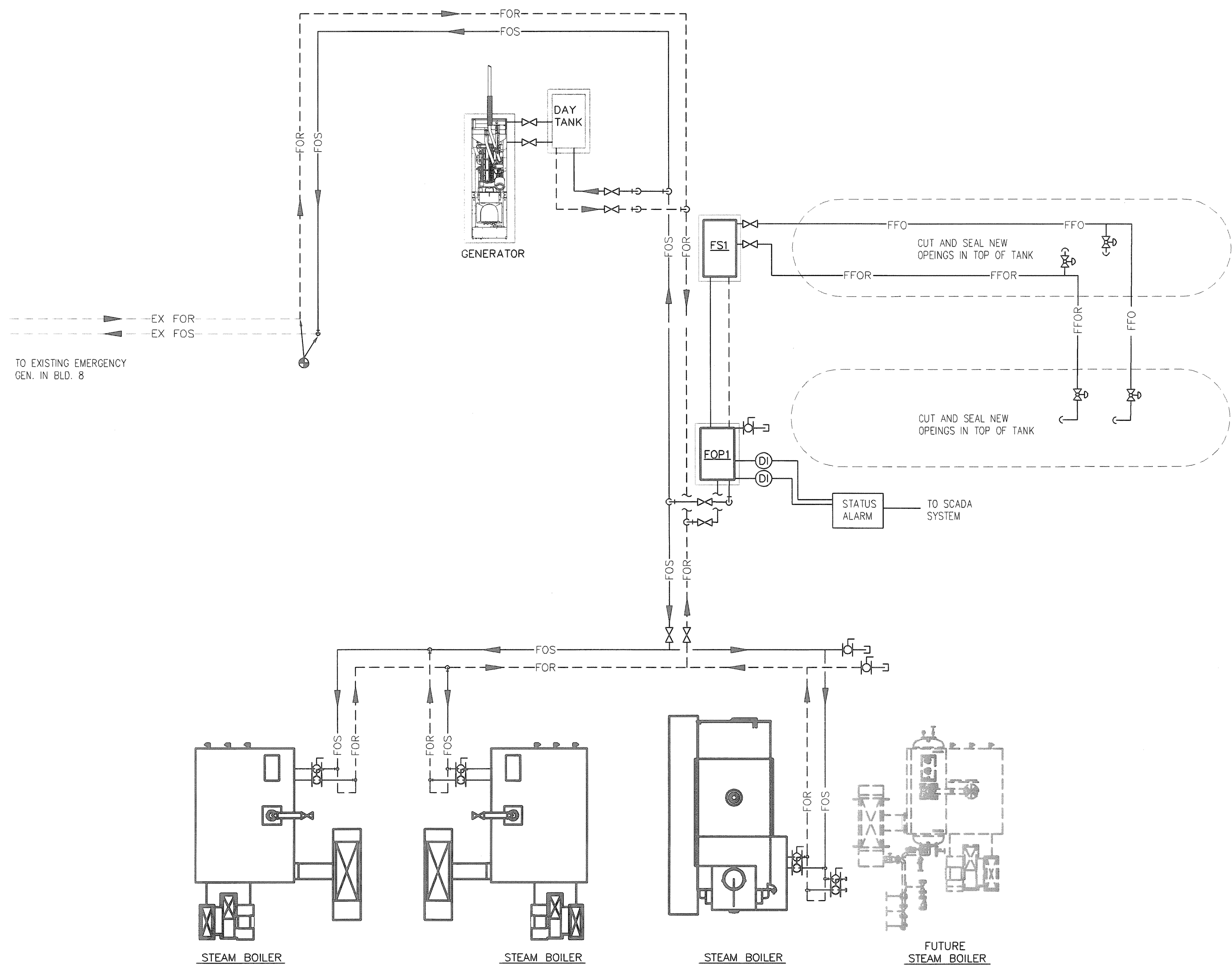
PACKAGED ROOFTOP UNIT IS 100% OUTSIDE AIR UNIT WITH HOT GAS REHEAT AND ELECTRIC REHEAT FOR RELATIVE HUMIDITY CONTROL. UNIT SHALL BE LOCKED OUT WHEN THE OUTSIDE AIR TEMPERATURE IS BELOW 70°F (ADJUSTABLE AT ECC).

THE UNIT SHALL BE ENERGIZED VIA TIMED OVERRIDE SWITCH LOCATED IN THE BOILER ROOM. THE UNIT SHALL PROVIDE SPOT COOLING AT AREAS INDICATED ON PLANS. THE UNIT SHALL MAINTAIN A CONSTANT SUPPLY AIR DISCHARGE TEMPERATURE OF 80°F (ADJUSTABLE AT ECC).

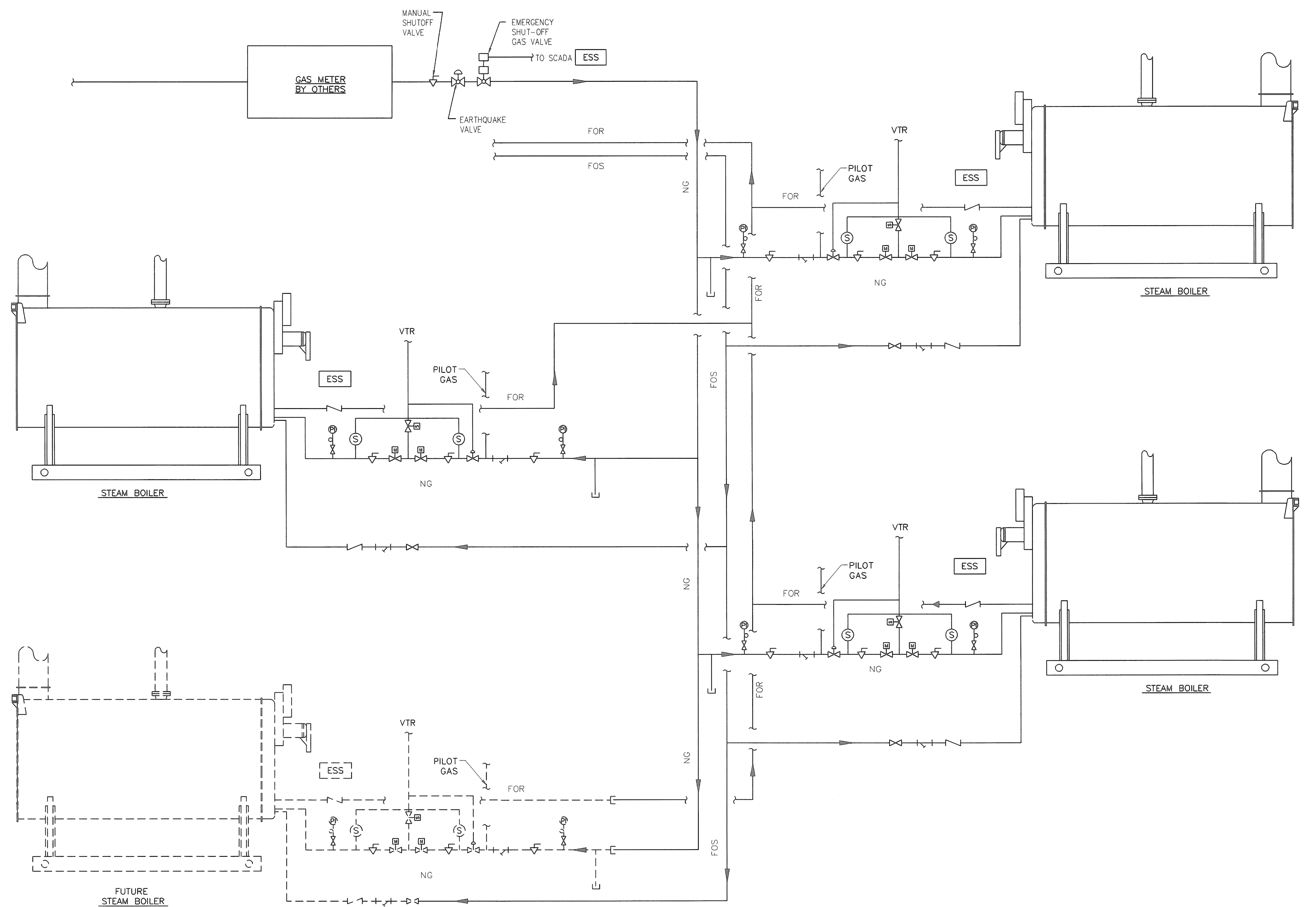
THE UNIT SHALL MODULATE THE REFRIGERANT COIL TO MAINTAIN DISCHARGE TEMPERATURE OF 80°F. ELECTRIC HEATING COIL SHALL SERVE AS SUPPLEMENTAL HEATING. WHEN DISCHARGE TEMPERATURE DOWNSTREAM OF HOT GAS REHEAT COIL IS LESS THAN 80°F, SCR CONTROLLER SHALL MODULATE ELECTRIC HEATING COIL TO MAINTAIN SUPPLY AIR DISCHARGE TEMPERATURE SETPOINT OF 80°F.

NOTE: 80°F SUPPLY AIR TEMPERATURE IS SET TO PREVENT CONDENSATION ON DUCTS, HANGERS, ETC.

**C2** FUEL FILTRATION SYSTEM PIPING SCHEMATIC  
SCALE: NONE



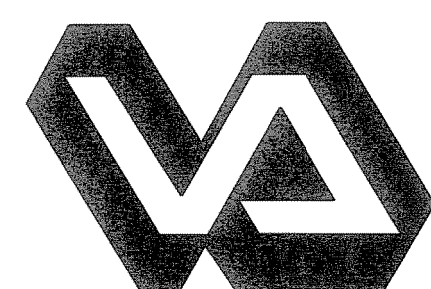
**F1** FUEL OIL SYSTEM PIPING SCHEMATIC  
SCALE: NONE



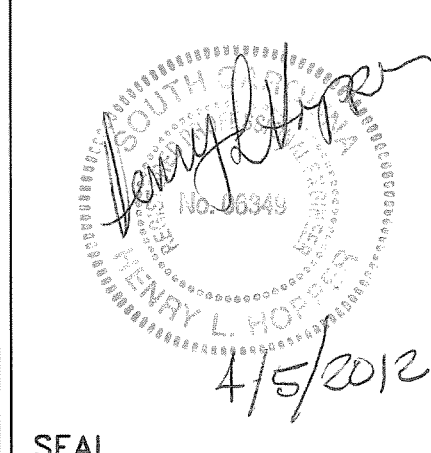
**F6** FUEL FLOW DIAGRAM  
SCALE: NONE

## 100% CONSTRUCTION DOCUMENTS

REVISION NO.	REVISION DESCRIPTION	By	Date



Department of Veterans Affairs  
William Jennings Bryan Dorn  
VA Medical Center  
6439 Garners Ferry Road  
Columbia, SC 29209



Architect/Engineer Address  
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Recommended Approvals:			
1. MEDICAL DIRECTOR	6. OPERATIONS SERVICE LINE MANAGER	8. SAFETY MANAGER	10. COTR
2. ASSOCIATE DIRECTOR	7. INFECTION CONTROL MANAGER	9. GENERAL ENGINEER	
3. CHIEF OF STAFF			
4. ASSOC. DIRECTOR			
5. SERVICE LINE MGRS.			

Drawing Title <b>MECHANICAL CONTROL DIAGRAMS</b>		Project Title <b>REPLACE BOILER PLANT/ COGEN/CHP</b>		Date APRIL 10, 2012
* BUILDING IS FULLY SPRINKLERED *		Building Number 21	AutoCAD File Name	Project Number 544-11-101
Checked	Reviewed	Const. Contract No.	DRAWING No. <b>MP-705</b>	Veterans Affairs