



- LEGEND**
- SUPPLY DUCT-BUILDING VENTILATION
  - SUPPLY DUCT SAFETY RELATED VENTILATION
  - EXHAUST OR RETURN DUCT-BUILDING VENTILATION SYSTEM
  - EXHAUST DUCT-SAFETY RELATED VENTILATION SYSTEM
  - SUPPLY AIR OUTLET
  - EXHAUST OR RETURN AIR INLET
  - SUPPLY AIR THRU FREE OPENING FROM CORRIDOR.
  - OPPOSED OR PARALLEL BLADE DAMPER
  - BUTTERFLY VALVE.
  - MODE DAMPER (PNEUMATIC OR MANUAL)
  - MOTORIZED DAMPER.
  - BACK DRAFT DAMPER-NOT MOTORIZED
  - OUTSIDE AIR INTAKE LOUVER
  - ROUGHING FILTER.
  - HEPA FILTER.
  - CHARCOAL FILTER.
  - HEATING COIL.
  - \*E\* INDICATES ELECTRIC HEATING.
  - COOLING COIL.
  - DEMISTER
  - FAN
  - FAN WITH INLET VANES.
  - PNEUMATIC OPERATOR
  - EQUIPMENT NUMBER.
  - FLOW CONTROL VALVE.
  - FLOW CONTROL VALVE.
  - FE-5001 FAN EVALUATOR INSTRUMENT NUMBER
  - FI-5001 DUCT AIR VOLUME MONITOR
  - FI-5001 AIR MONITOR INSTRUMENT NUMBER
  - EQUIPMENT ROOM / AREA
  - [30,000] CFM-SAFEGUARDS VENTILATION, ONLY.
  - 18,000 CFM-BUILDING VENTILATION, ONLY.
  - (12,000) CFM-BUILDING VENTILATION, WHEN BUILDING SAFEGUARDS VENTILATIONS ARE OPERATING SIMULTANEOUSLY.
  - EXHAUST AIR FLOW.
  - SUPPLY AIR FLOW.
  - (FS 5000) AIRFLOW SWITCH & NUMBER
  - F.D. FIRE DAMPER
  - [2] HVAC SYSTEM ROOM NO.

**REFERENCES**

1. FOR CONTAINMENT FUEL HANDLING AND FAN ROOM SEE DWG. 59317.
2. FOR ACCESS CONTROL AND CONTROL ROOM AREAS SEE DWG. 59318.

**GENERAL NOTE:**  
 IN SOME CASES, IF THERE IS NO CFM FIGURE INDICATED FOR A PARTICULAR MODE, IT IS ASSUMED TO BE ZERO CFM FOR THAT MODE.

**AUXILIARY BUILDING (ENGINEERED SAFETY EQUIPMENT AREA)**

SCHEMATIC DIAGRAM FOR GENERAL INFORMATION ONLY.

DATE	REVISION DESCRIPTION	DWG SCALE:
11-24-2015	REVISED PER DDN-2*1035	BILL OF MATL:
D.D. MNRU		SUPDS:
R.E. RXG2		SUPSD BY:
I.V. N/A		DRAWING SHEET
P.E. N/A		59316 1

**UNIT 1**  
 MECHANICAL  
 VENTILATION FLOW DIAGRAM  
 AUXILIARY BUILDING  
 ENGINEERED SAFETY EQUIPMENT AREA  
 PACIFIC GAS AND ELECTRIC COMPANY  
 SAN FRANCISCO, CALIFORNIA