

PROJECT 2007-0731  
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ARCHITECT	ENGINEER

GENERAL NOTES

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REVISION/REMARKS	DATE

DRAWING STATUS	DATE
<input type="radio"/> DSA PLAN CHECK	
<input type="radio"/> DSA BACK CHECK	
<input type="radio"/> BIDDING (BID #66593)	
<input type="radio"/> CONSTRUCTION	

FILE NO. 41-C1

IDENTIFICATION STAMP  
DIV. OF THE STATE ARCHITECT

01-110074

AC [Signature] PLS [Signature] SS [Signature]

DATE: **MAR 19 2009**

**BUILDINGS 5 & 6  
RENOVATIONS**

San Mateo County Community  
College District

DSA BACK-CHECK

**CAÑADA COLLEGE**  
4200 Farm Hill Boulevard  
Redwood City, CA 94061

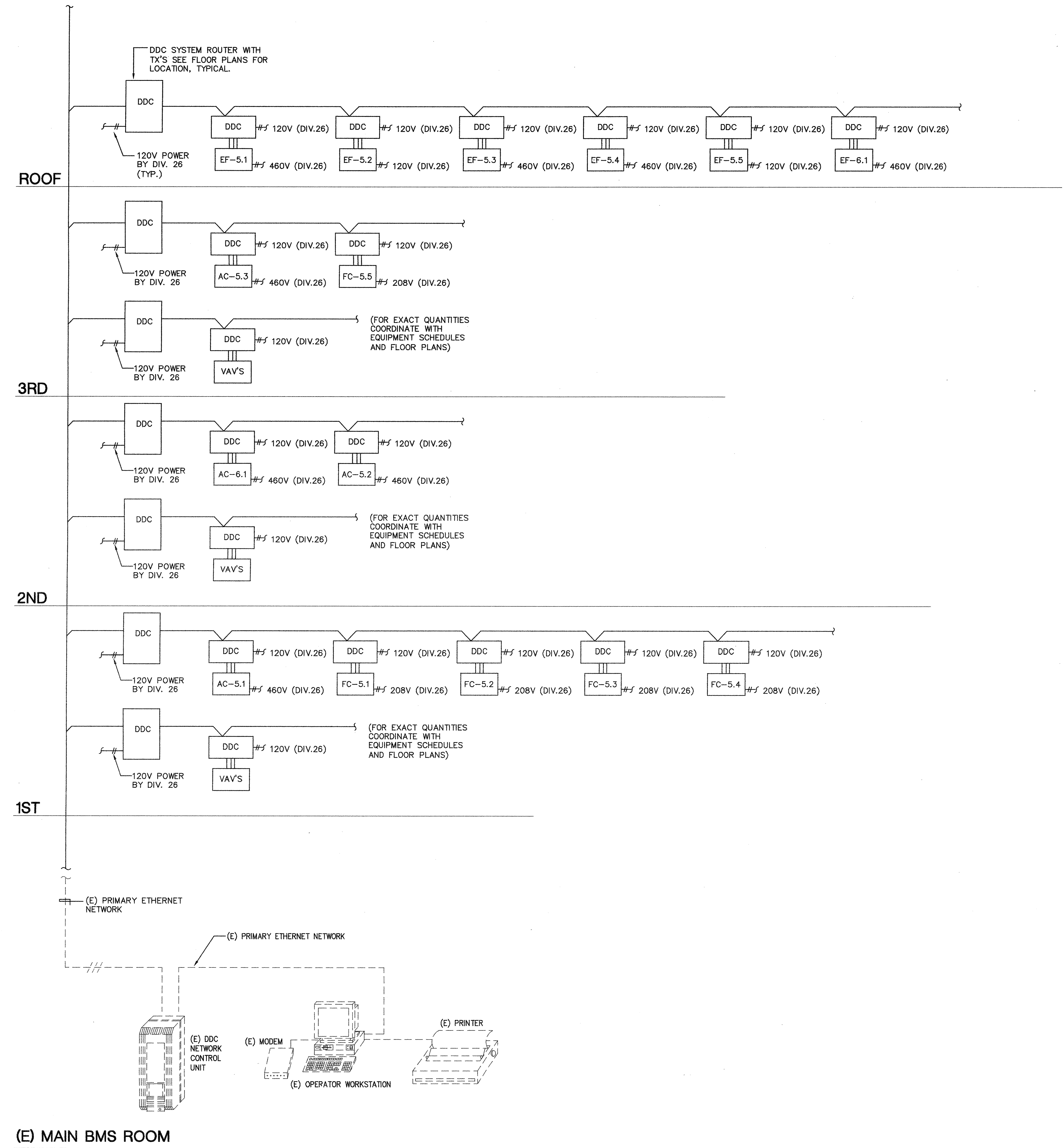
MECHANICAL  
CONTROL DIAGRAMS

Date	01/22/09	Drawing Number	
Scale	AS NOTED		<b>M5.1</b>
Project Number	07013		

**CONTROL DIAGRAM SYMBOLS LIST**  
SHEET M5.1 AND M5.2

- ABBREVIATIONS
- AFMS AIR FLOW MEASURING STATION
  - AI ANALOG SIGNAL IN
  - AO ANALOG SIGNAL OUT
  - BMS BUILDING MANAGEMENT SYSTEM
  - CT ELECTRIC CURRENT TRANSMITTER
  - DDC DIRECT DIGITAL CONTROL
  - DI DIGITAL SIGNAL IN
  - DO DIGITAL SIGNAL OUT
  - DP DIFFERENTIAL PRESSURE SENSOR
  - EA EXHAUST AIR
  - EF EXHAUST FAN
  - HS HIGH STATIC
  - HWR HEATING HOT WATER RETURN
  - HWS HEATING HOT WATER SUPPLY
  - M MOTORIZED
  - MAU MAKE UP AIR UNIT
  - M/S MOTORIZED STARTER
  - MD MOTORIZED DAMPER
  - OA OUTSIDE AIR
  - P PRESSURE SENSOR
  - RA RETURN AIR
  - RF RETURN FAN
  - SA SUPPLY AIR
  - SF SUPPLY FAN
  - SD SMOKE DETECTOR
  - T TEMPERATURE SENSOR
  - TPI THIRD PARTY INTERFACE
  - VFD VARIABLE FREQUENCY DRIVE

- SYMBOLS
- ANALOG SIGNAL IN
  - ANALOG SIGNAL OUT
  - ELECTRIC CURRENT TRANSMITTER
  - DIRECT DIGITAL CONTROL
  - DIGITAL SIGNAL IN
  - DIGITAL SIGNAL OUT
  - DIFFERENTIAL PRESSURE SENSOR
  - HIGH STATIC
  - MOTORIZED STARTER
  - MOTORIZED DAMPER
  - PRESSURE SENSOR
  - SMOKE DETECTOR
  - TEMPERATURE SENSOR
  - THIRD PARTY INTERFACE
  - VARIABLE FREQUENCY DRIVE



- NOTES:
- ALL NEW CONTROLS SHALL TIE INTO THE EXISTING CAMPUS BUILDING MANAGEMENT SYSTEM (BMS). ANY THIRD PARTY INTERFACES REQUIRED TO TIE INTO THE EXISTING BMS SYSTEM SHALL BE FURNISHED AND INSTALLED AT NO ADDITIONAL COST.
  - ALL CONTROL WIRING SHALL BE FURNISHED AND INSTALLED PER DIV. 23 SPECIFICATIONS: PLENUM RATED CABLE ABOVE REMOVABLE TILE CEILING, RACEWAY ABOVE HARD LID CEILING.
  - PROVIDE 24V POWER TO ALL THEIR CONTROL DEVICES.
  - PROVIDE DEVICES/PROGRAMMING OF EXISTING BMS SYSTEM FOR OCCUPANT OVERRIDE OF HVAC SYSTEM.
  - CAMPUS BUILDING CONTROLS IS YAMAS/TAC.
  - PROVIDE ALL POWER REQUIREMENT FOR AIRFLOW MEASURING STATIONS AND BUILDING MANAGEMENT CONTROL SYSTEMS.
  - MISCELLANEOUS POINTS: CONTROL POINTS FOR BUILDING LIGHTING CONTROLS, TEMPERATURE (CHILLED WATER SUPPLY AND RETURN MAIN, HEATING HOT WATER SUPPLY AND RETURN MAIN, SEE 4/M6.1), DIFFERENTIAL PRESSURE (CHILLED WATER MAIN AND HEATING HOT WATER MAIN, SEE 4/M6.1)
  - SEE CONTROLS SPECIFICATIONS FOR BTU METER, THERMOWELLS, AND UTILITY VISION MONITORING SYSTEM DETAILS.

**1 CONTROL ARCHITECTURE DIAGRAM**