

Cañada Bldg 17
4220 Farm Hill Blvd
Redwood City, CA 94061

Architect: Noll & Tam

Engineer: McCracken and Woodman

Contractor: BDP Builders

2TCG0090



Building ingenuity for better business

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Representing:



Technologies:

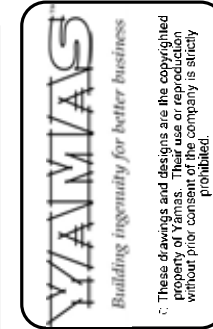


REVISIONS		
REV#	DESCRIPTION	DATE
1	RECORD DRAWINGS	1/15/2007

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BILL OF MATERIAL LISTING						
Installing Trade	Item #	Qty	Part Number	Description	Vendor	Manufacturer
Electrical						
Electrical	1	36	A-500-1-B-2	4" IMMERSION WELL	MAMAC SYSTEMS	MAMAC SYSTEMS
Electrical	2	2	AA17	BYPASS VLV ASSMBLY,SM BRACKET	VERIS	VERIS
Electrical	3	2	E112-735	CURRENT SW/ & RELAY; 1-135A; N	SINGLE SOURCED SOLUTIONS	VERIS
Electrical	4	2	F-1200	DUAL TURBINE INSERT FLOW METER	ONICON	ONICON
Electrical	5	8	MN-S3	IA MICRONET S-LINK SENSOR W/OV	INVENSYS BLDG SYSTEMS	INVENSYS- AUTOMATION
Electrical	6	8	P-PAM-1	APC ENCAPSULATED RELAY SPDT 10	SINGLE SOURCED SOLUTIONS	AIR PRODUCTS & CONTROLS
Electrical	7	2	SYSTEM-10-LON	BTU METER WITH LON INTERFACE	ONICON	ONICON
Electrical	8	1	TE-205-F-7Z	OUTSIDE AIR TEMP SENSOR	MAMAC	MAMAC
Electrical	9	8	TE-702-B-7Z-D	12" DUCT MOUNTED THERM. SENSOR	MAMAC	MAMAC
Electrical	10	32	TE-703-D-3-A-2	IMMERSION TS, 1 K pRTD 2-W, 4"	MAMAC SYSTEMS	MAMAC SYSTEMS
Electrical	11	4	TE-703-D-3-A-2	IMMERSION TS, 1 K pRTD 2-W, 4"	MAMAC SYSTEMS	MAMAC SYSTEMS
Electrical	12	1	TSMN-90220-850	10K THRMSTR 11K SHNT&PRGM JACK	INVENSYS BLDG SYSTEMS	INVENSYS- COMPONENTS
Electrical	13	2	VER-PWXX05S	PRESSURE XDUCER,25/50/125/250P	SINGLE SOURCED SOLUTIONS	VERIS
Mechanical						
Mechanical	14	4	VS-2213-505-9-05	1/2" W/MS40-6043, 24V CV=4.7	INVENSYS BLDG SYSTEMS	INVENSYS- COMPONENTS
Mechanical	15	12	VS-2313-505-9-05	1/2" W/MS40-6043, 24V CV=4.3	INVENSYS BLDG SYSTEMS	INVENSYS- COMPONENTS
Panel						
Panel	16	1	A-20N16ALP	20"x16"x 6" NEMA1 ENCLOSURE	HOFFMAN	HOFFMAN
Panel	17	1	A-20N16MP	20"x16" BACKPLATE	HOFFMAN	HOFFMAN
Panel	18	2	A-36N30ALP	36"x30"x6" NEMA 1ENCLOSURE	HOFFMAN	HOFFMAN
Panel	19	2	A-36N30MP	36"H x 30"W BACKPLATE	HOFFMAN	HOFFMAN
Panel	20	1	ECH-73351	SLTA-10 TO FT-10 SERIAL LONTAL	SINGLE SOURCED SOLUTIONS	ECHELON
Panel	21	1	ECH-73380	SLTA-10 TO NULL MODEM CABLE.	SINGLE SOURCED SOLUTIONS	ECHELON
Panel	22	8	ENCL-MZ800-PAN	ENCLOSURE FOR MZ 2 & MNL-800-P	INVENSYS BLDG SYSTEMS	INVENSYS- COMPONENTS
Panel	23	1	G-100	CONTROL SERVER	ENFLEX	ENFLEX
Panel	24	2	MNL-20RS3	MN 200 CONT. WITH LONMARK ROOF	INVENSYS BLDG SYSTEMS	INVENSYS- AUTOMATION
Panel	25	8	MNL-800-101	MNL800 LONMARK CONTROLLER-CIRC	INVENSYS BLDG SYSTEMS	INVENSYS- COMPONENTS
Panel	26	1	PSM24A24DAS	24VAC/24VDC POWER SUPPLY,300MA	FUNCTIONAL DEVICES	FUNCTIONAL DEVICES
Panel	27	1	T-201-1	TRANSFORMER 50 VA, 120V-P, 24V	SINGLE SOURCED SOLUTIONS	CORE
Panel	28	4	T-208	TRANSFORMER 96 VA 120P-24VS U	SINGLE SOURCED SOLUTIONS	CORE

AUTOMATIC TEMPERATURE CONTROL VALVE SCHEDULE (Cañada Bldg 17)																				
ITEM	SYSTEM	TAG	QTY	SERVICE	PART # VALVE ASSEMBLY	ACTUATOR	SPRING RANGE	POS. POSIT.	VLV. TYPE	VLV. SIZE	PIPE SIZE	VLV. ACTION	CONN. TYPE	FLOW		VALVE CV		ACT. PRESS. DROP (PSI)	CLOSE OFF (PSI)	
														GPM	#/HR	CALC.	ACT.		STEM UP	STEM DN.
1	FC-1 CHW	FC-1 CHW	1	CHW	VS-2213-505-9-05	MS41-6043	PROPORTIONAL	N	2 Way Straight	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.7	3.15	130	130
2	FC-1 HW	FC-1 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
3	FC-2 CHW	FC-2 CHW	1	CHW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.3	3.76	50	50
4	FC-2 HW	FC-2 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
5	FC-3 CHW	FC-3 CHW	1	CHW	VS-2213-505-9-05	MS41-6043	PROPORTIONAL	N	2 Way Straight	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.7	3.15	130	130
6	FC-3 HW	FC-3 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
7	FC-4 CHW	FC-4 CHW	1	CHW	VS-2213-505-9-05	MS41-6043	PROPORTIONAL	N	2 Way Straight	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.7	3.15	130	130
8	FC-4 HW	FC-4 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
9	FC-5 CHW	FC-5 CHW	1	CHW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.3	3.76	50	50
10	FC-5 HW	FC-5 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
11	FC-6 CHW	FC-6 CHW	1	CHW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.3	3.76	50	50
12	FC-6 HW	FC-6 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
13	FC-7 CHW	FC-7 CHW	1	CHW	VS-2213-505-9-05	MS41-6043	PROPORTIONAL	N	2 Way Straight	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.7	3.15	130	130
14	FC-7 HW	FC-7 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50
15	FC-8 CHW	FC-8 CHW	1	CHW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	8.34		3.73	4.3	3.76	50	50
16	FC-8 HW	FC-8 HW	1	HW	VS-2313-505-9-05	MS41-6043	PROPORTIONAL	N	3 Way Mixing	1/2"	3/4"	No Fail Safe Position	Screwed	5.54		2.48	4.3	1.66	50	50



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Revisions	
#	Date
1	07/15/07
2	
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Architect: Noll & Tam
 Engineer: McCracken and Woodman
 Contractor: BDP Builders
 Designed by: DDA Date: 09/26/2006
 Software by: Date:
 Checked by: Date:

Cañada Bldg 17
 4220 Farm Hill Blvd
 Redwood City, CA 94061

JOB NUMBER: 2TCG0090
 FILE NAME: Bill of Materials.vsd
 SHEET NO.: 1 OF 10

BILL OF MATERIALS

FAN COIL UNITS (FC-1 TO FC-8) SEQUENCE OF OPERATION:

Local Room Setpoint Adjustment Operation: The MN-S3 Room Sensor has a pushbutton & up / down arrows for setpoint adjustment locally at the room sensor. The local setpoint adjustment takes effect for 2 hours once the pushbutton is pushed to override the default setpoint from the front end computer. A red LED below the pushbutton will light up after the pushbutton has been pushed to indicate that the local setpoint override is active. By pushing the up or down arrow, the setpoint value will temporarily be displayed on the LCD display of the sensor and will adjust to a higher value when the up arrow is pushed & to a lower value when the down arrow is pushed. The LCD display will go blank once the setpoint adjustment is complete. The adjustment range of the setpoint value will be limited between 68 degrees & 74 degrees. The local setpoint will revert back to the original default setpoint from the front end computer after the 2 hour override period is complete. The pushbutton will also provide unoccupied period override, so that the unit will turn on during unoccupied hours and run until the same 2 hour override period is complete.

Setpoint Programming: In software, a setpoint control block will generate a set of cooling and heating setpoints based upon a single setpoint. The deadband value of the setpoint control block will determine the setpoint outputs. The difference from the single setpoint will be 1/2 the deadband value. For example, when the temp setpoint is set to a setpoint of 72.0 deg F at the room sensor and the control block has a deadband setting of 3 deg F, the setpoint control block will output 73.5 deg F as the cooling setpoint and 70.5 deg F as the heating setpoint. The heating and cooling setpoints will be displayed on the front end computer and the initial deadband setting will be 3 deg F. (adjustable). The initial default single setpoint shall be 71.5 and the cooling setpoint shall be 73 deg F and the heating setpoint shall be 70 deg F.

Occupied Period Operation: The fan coil unit shall operate on a schedule to be finalized with the college. The initial expected operating schedule is 7:30 am to 11:00 pm or as directed by the district. The operating schedule may vary for each piece of equipment so independent schedules are required.

Shutdown Mode: When the fan coil unit is shutdown or scheduled off, the fan is stopped, the heating & cooling valves are closed and the motorized damper shall close fully and provide 100% shut-off to return air.

Coil Freeze Protection: When the outdoor temperature is 36 deg. F or below, the heating coil is to be energized to prevent coil freezing. The Freezestat provided with the unit will shutdown the unit and close the motorized damper.

Alarm Reporting: Alarms shall be reported at the front end computer when the following occurs:
 1) System is in heating or cooling, fan not operating.
 2) System is calling for heating and the cooling control valve is operating.
 3) System is calling for cooling and the heating control valve is operating.

EXHAUST FAN (EF-1 & EF-2) DDC CONTROL SEQUENCE

SEQUENCE OF OPERATION - OCCUPIED PERIOD:

- 1. Fan energized.

SEQUENCE OF OPERATION - UNOCCUPIED PERIOD:

- 1. Fan de-energized.

THE ENERGY MANAGEMENT SYSTEM IS TO MONITOR THE FOLLOWING:

- 1. Fan operation (status).

THE ENERGY MANAGEMENT SYSTEM IS TO PROVIDE ALARM REPORTING WHEN THE FOLLOWING OCCURS:

- 1. Occupied period - fan off-line.
- 2. Unoccupied period – fan energized.

HVAC SYSTEM SHUTDOWN FROM FIRE ALARM - CONTROL SEQUENCE

GENERAL:

- 1. The DDC system (FC-2 DDC controller located in the Mechanical room 112) is to monitor the fire alarm control panel (located in I.T.S. room 104) general alarm output at all times. If the fire alarm control panel receives a general fire alarm signal, the DDC system is to disable all HVAC equipment and systems. When the fire alarm system is reset to its normal monitoring mode, the HVAC systems are to be placed back in their normal occupied/unoccupied sequence of operation.

SPLIT SYSTEM (CC-1 & CU-1) ROOM TEMPERATURE MONITORING SEQUENCE

INDOOR UNIT CC-1 ROOM TEMPERATURE

THE ENERGY MANAGEMENT SYSTEM IS TO MONITOR THE FOLLOWING:

- 1. Room Temperature.

THE ENERGY MANAGEMENT SYSTEM IS TO PROVIDE ALARM REPORTING WHEN THE FOLLOWING OCCURS:

- 1. Room temperature is 3° F above setpoint. Initial setpoint to be 80° F.

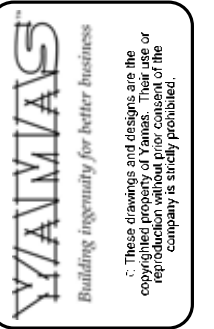
MAIN BUILDING CHW & HW PIPING SYSTEM CONTROL SEQUENCE

THE ENERGY MANAGEMENT SYSTEM IS TO MONITOR THE FOLLOWING:

- 1. Chilled water supply temperature to building.
- 2. Chilled water return temperature from building.
- 3. Heating hot water supply temperature to building.
- 4. Heating hot water return temperature from building.
- 5. Differential pressure between supply and return chilled water piping.
- 6. Differential pressure between supply and return heating hot water piping.

THE ENERGY MANAGEMENT SYSTEM IS TO PROVIDE ALARM REPORTING WHEN THE FOLLOWING OCCURS:

- 1. One or more fan coil unit heating coils are calling for heating and no flow (monitored via differential pressure) is present in main heating hot water piping.
- 2. One or more fan coil unit cooling coils are calling for cooling and no flow (monitored via differential pressure) is present in main chilled water piping.



Revisions	
#	Date
1	07/15/07
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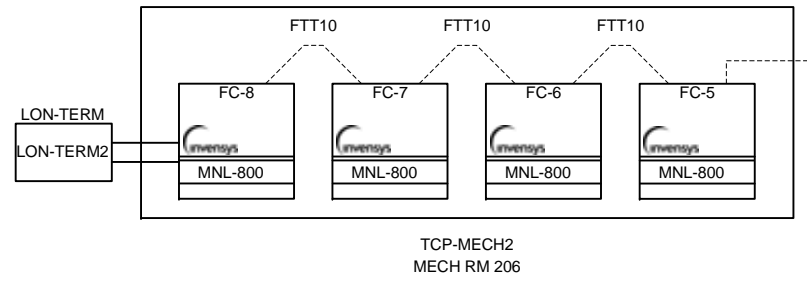
Architect: Noll & Tam
 Engineer: McCracken and Woodman
 Contractor: BDP Builders
 Designed by: DDA
 Software by: DDA
 Checked by: DDA

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 Redwood City, CA 94061

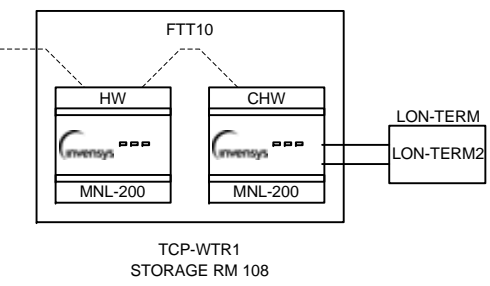
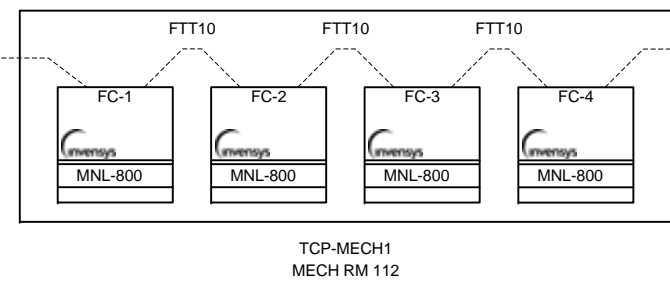
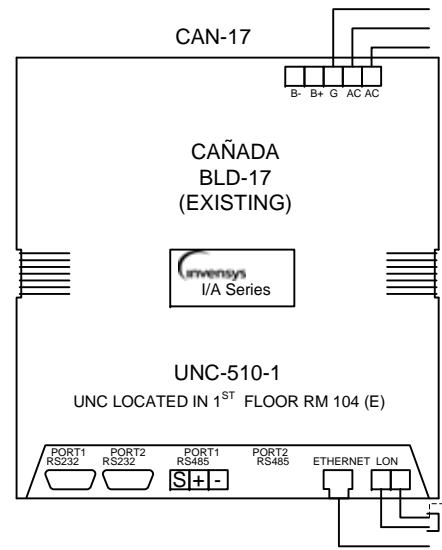
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 SHEET NO.: 2 OF 10

SEQUENCE OF OPERATION

2ND FLOOR



1ST FLOOR



JOB NUMBER
2TCG0090
FILE NAME
Cañada Bldg 17 Riser.vsd
SHEET NO.
3 OF 10

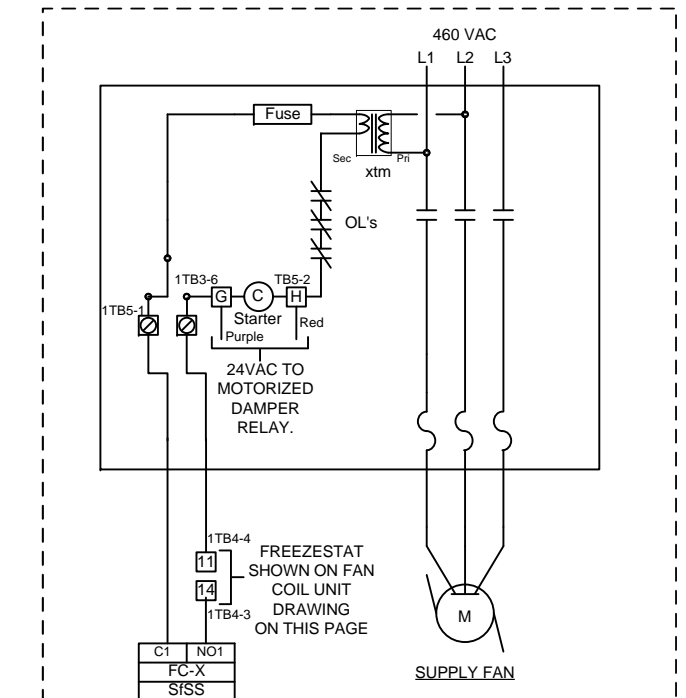
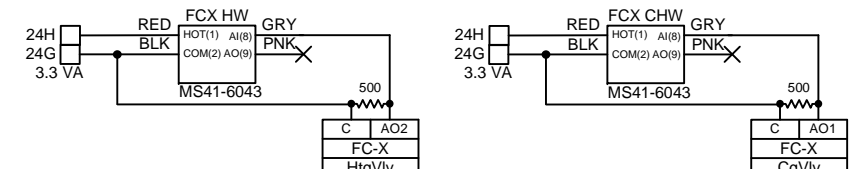
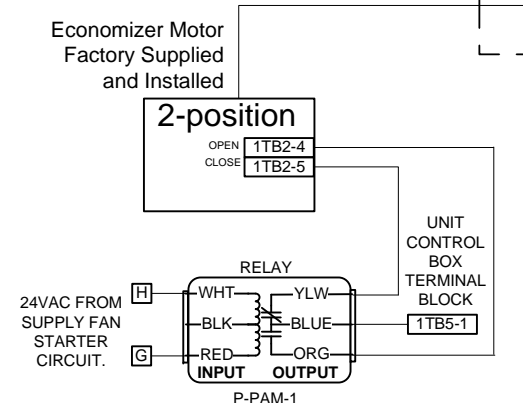
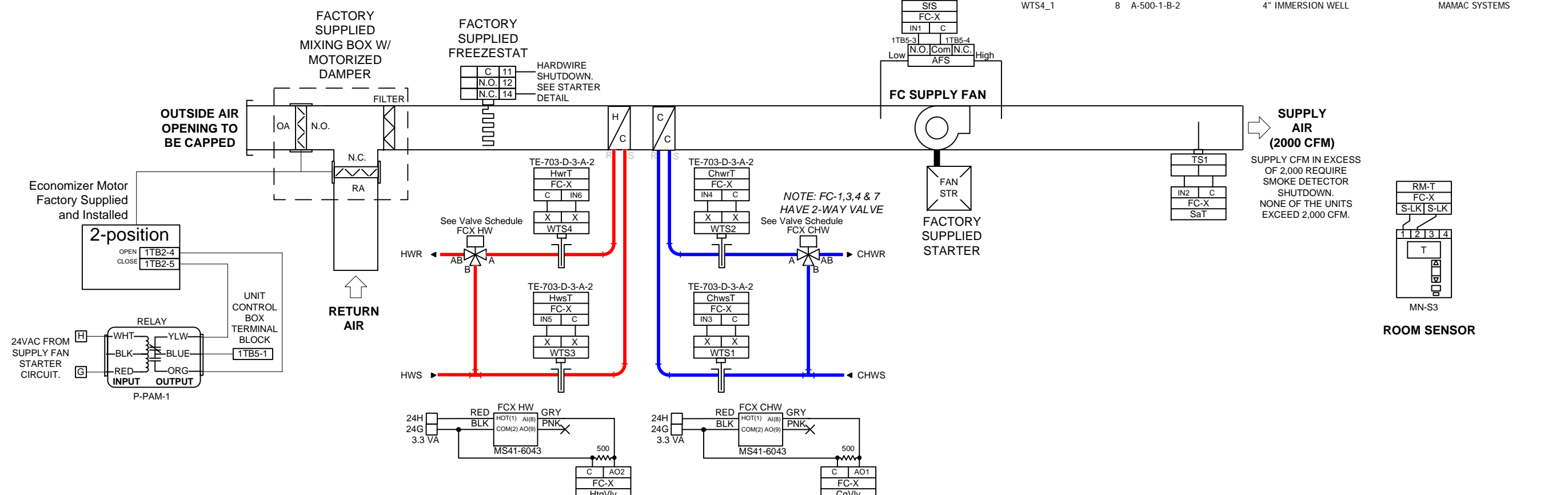
Cañada Bldg 17
4220 Farm Hill Blvd
Redwood City, CA 94061
CANADA BLDG-17 RISER

Architect: Noll & Tam
Engineer: McCracken and Woodman
Contractor: BDP Builders
Designed by: DDA Date: 09/26/2006
Software by: Date:
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Revisions	
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FC-1,2,3,4,5,6,7 & 8
FAN COIL UNITS
(Typical Of 8)

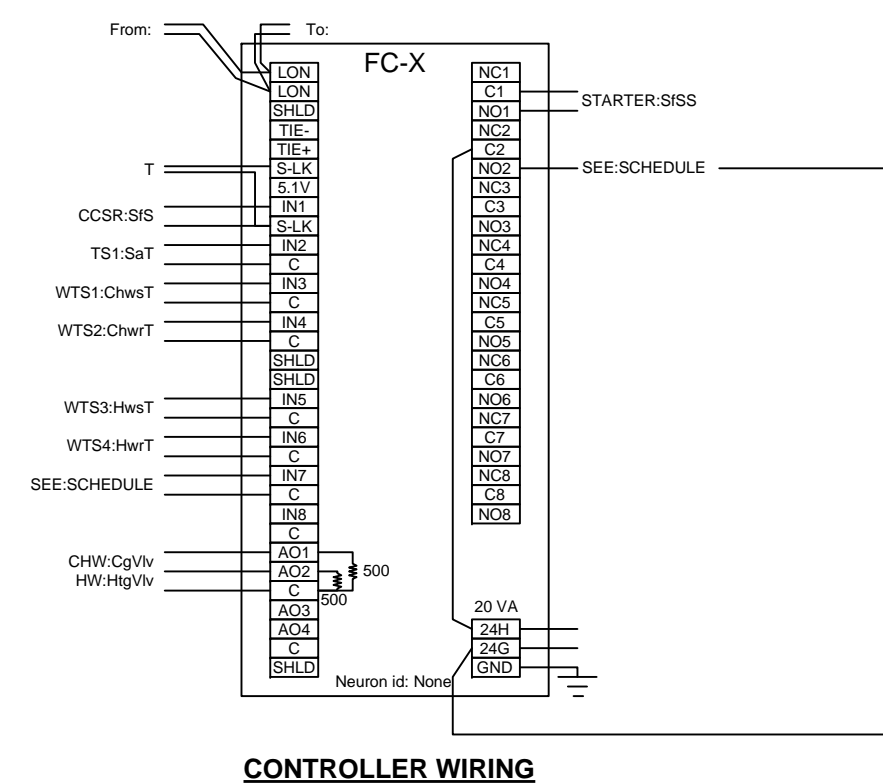
FAN COIL UNITS Device	Qty	Part Number	Description	Vendor
Electrical RELAY	8	P-PAM-1	APC ENCAPSULATED RELAY SPDT 10	SINGLE SOURCED SOLUTIONS
T	8	MN-S3	1A MICRONET S-LINK SENSOR W/OV	INVENSYS BLDG SYSTEMS
TS1	8	TE-702-B-7Z-D	12" DUCT MOUNTED THERM. SENSOR	MAMAC
WTS1-4	32	TE-703-D-3-A-2	IMMERSION TS, 1 K pRTD 2-W, 4"	MAMAC SYSTEMS
WTS1_1	8	A-500-1-B-2	4" IMMERSION WELL	MAMAC SYSTEMS
WTS2_1	8	A-500-1-B-2	4" IMMERSION WELL	MAMAC SYSTEMS
WTS3_1	8	A-500-1-B-2	4" IMMERSION WELL	MAMAC SYSTEMS
WTS4_1	8	A-500-1-B-2	4" IMMERSION WELL	MAMAC SYSTEMS



FC CONTROLLERS ARE TYPICAL EXCEPT FOR POINTS WIRED TO IN7 & NO3

IN7 & NO2 SCHEDULE
 FC-1 IN7: CC-1 Room Temp
 FC-2 IN7: Fire Alarm Signal
 FC-5 IN7: EF-1 Status
 FC-5 NO2: EF-1 S/S
 FC-6 IN7: EF-2 Status
 FC-6 NO2: EF-2 S/S
 FC-7 IN7: O.A. Temp

SEE MISC SYSTEM SHEET FOR WIRING DETAILS



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1	01/15/07
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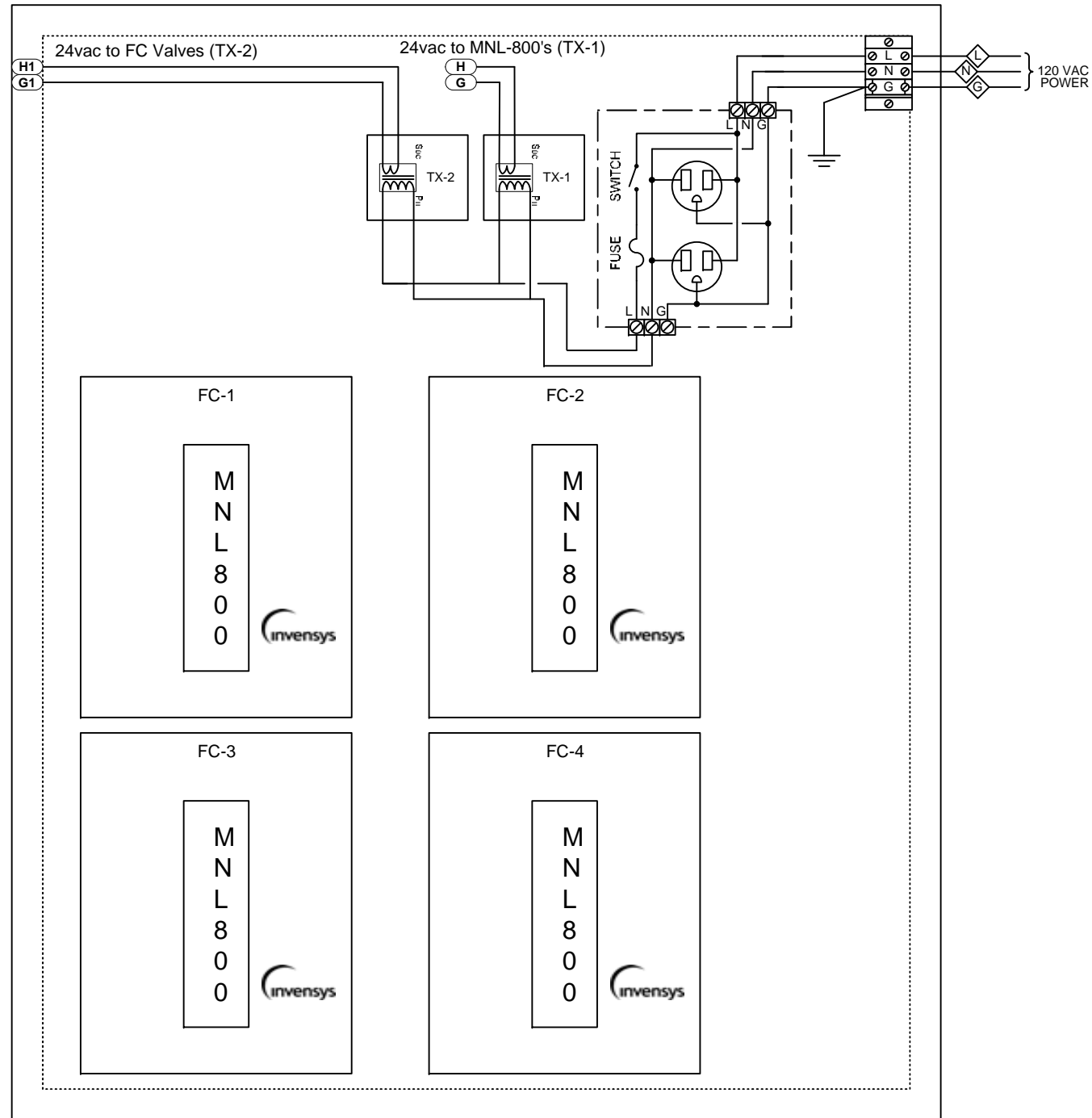
Architect: Noll & Tam
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 Contractor: BDP Builders
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 Software by: Date:
 Checked by: Date:

Canada Bldg 17
 4220 Farm Hill Blvd
 Redwood City, CA 94061
FAN COIL UNITS CONTROL

JOB NUMBER: 2TCG0090
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 SHEET NO.: 4 OF 10

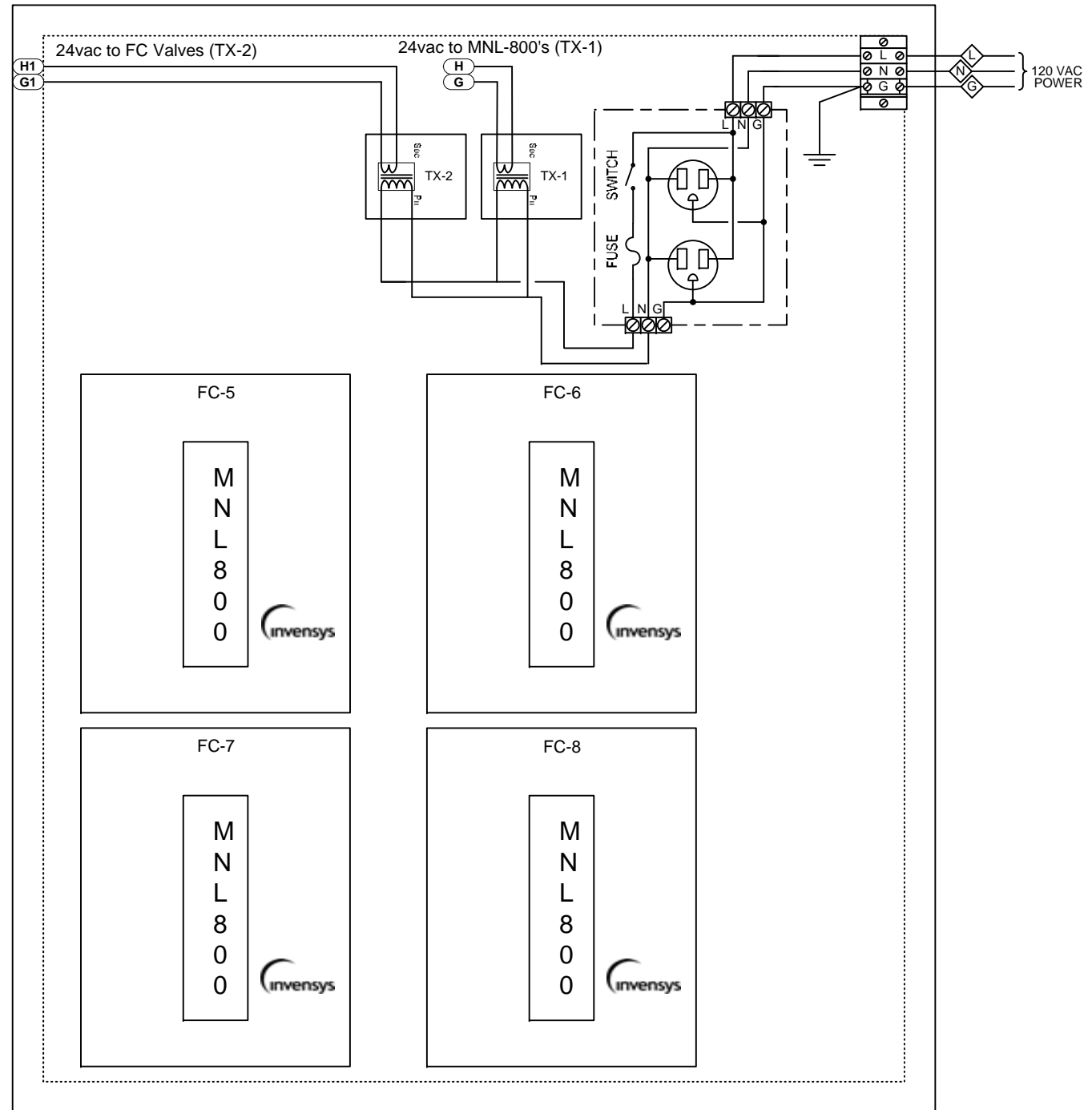
TCP-MECH Device	Qty	Part Number	Description	Vendor
Panel				
FC-X	8	MNL-800-101	MNL800 LONMARK CONTROLLER-CIRC	INVENSYS BLDG SYSTEMS
FC-X_1	8	ENCL-MZ800-PAN	ENCLOSURE FOR MZ 2 & MNL-800-P	INVENSYS BLDG SYSTEMS
TCP-MECH1-2	2	A-36N30ALP	36"x30"x6" NEMA 1 ENCLOSURE	HOFFMAN
TCP-MECH1_1	1	A-36N30MP	36"H x 30"W BACKPLATE	HOFFMAN
TCP-MECH2_1	1	A-36N30MP	36"H x 30"W BACKPLATE	HOFFMAN
TX-1-2	4	T-208	TRANSFORMER 96 VA 120P-24VS U	SINGLE SOURCED SOLUTIONS

NEMA-1: 36"H x 30"W X 6"D



TCP-MECH1
MOUNT TCP-MECH1 IN
1ST FLOOR MECH ROOM 112

NEMA-1: 36"H x 30"W X 6"D



TCP-MECH2
MOUNT TCP-MECH2 IN
2ND FLOOR MECH ROOM 206

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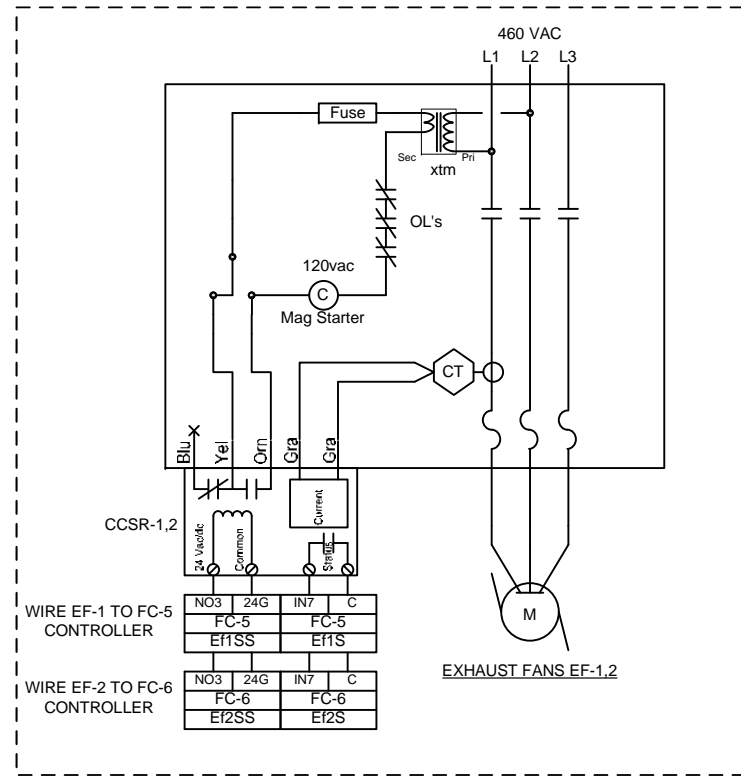
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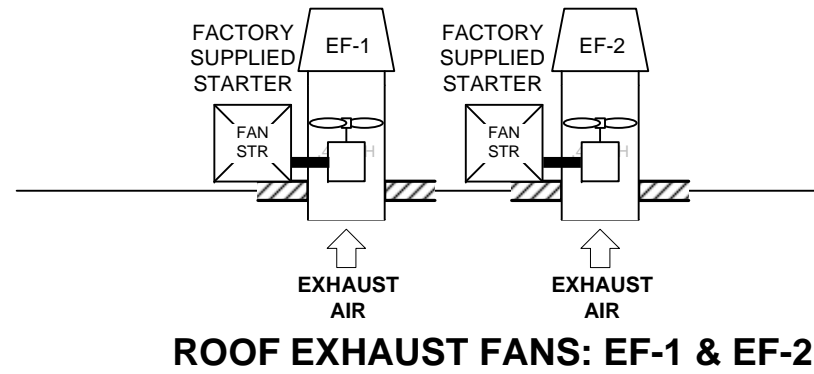
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Engineer: McCracken and Woodman
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Checked by: Date:

Canada Bldg 17
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FAN COIL UNITS PANELS

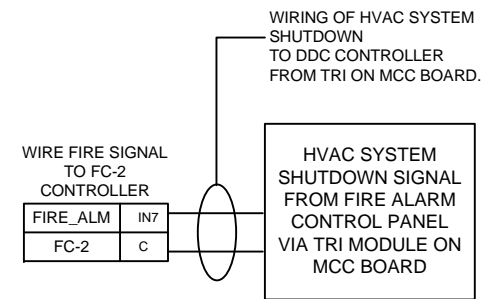
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Fan Coil Units.vsd
SHEET NO.
5 OF 10



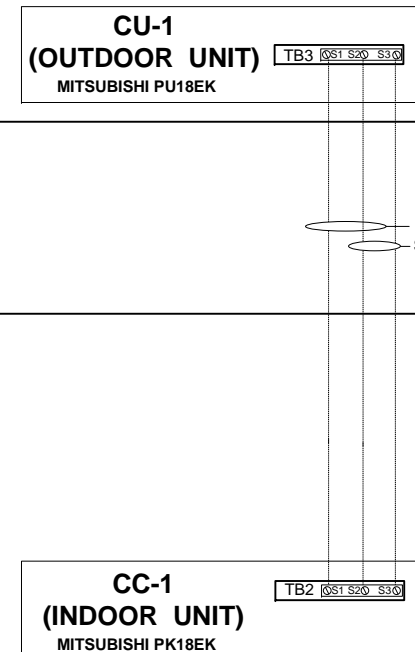
**EXHAUST FAN CONTROL WIRING
TYPICAL FOR EF-1 & EF-2**



ROOF EXHAUST FANS: EF-1 & EF-2

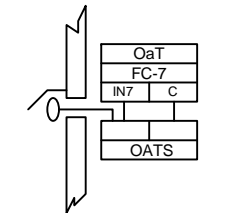


**HVAC SYSTEM SHUTDOWN
FROM FIRE ALARM**



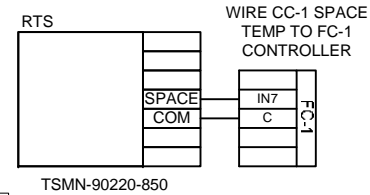
SPLIT SYSTEM COOLING: CC-1 & CU-1

EXHAUST FANS Device	Qty	Part Number	Description	Vendor
Electrical CCSR-1,2	2	E112-735	CURRENT SW/ & RELAY: 1-135A; N	SINGLE SOURCED SOLUTIONS
OA TEMP Device	Qty	Part Number	Description	Vendor
Electrical OATS	1	TE-205-F-3	OA TEMP SENSOR, 1000 OHM	MAMAC
SPLIT SYSTEM Device	Qty	Part Number	Description	Vendor
Electrical RTS	1	TSMN-90220-850	10K THRMSTR 11K SHNT&PRGM JACK	INVENSYS BLDG SYSTEMS

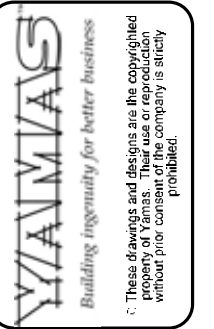


O.A. TEMP

S1-S2 LINE VOLTAGE POWER
S2-S3 LOW VOLTAGE CONTROL
WIRING BY OTHERS



LOCATED ON 1ST FLOOR
IN I.T.S. ROOM 104



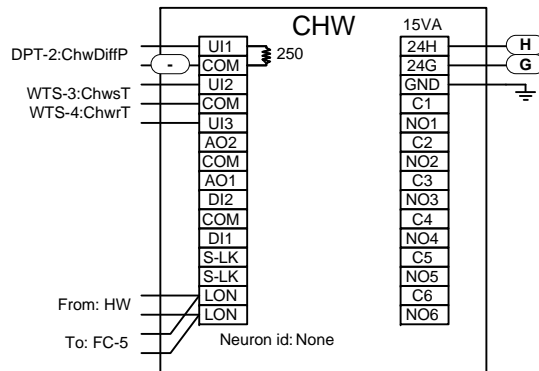
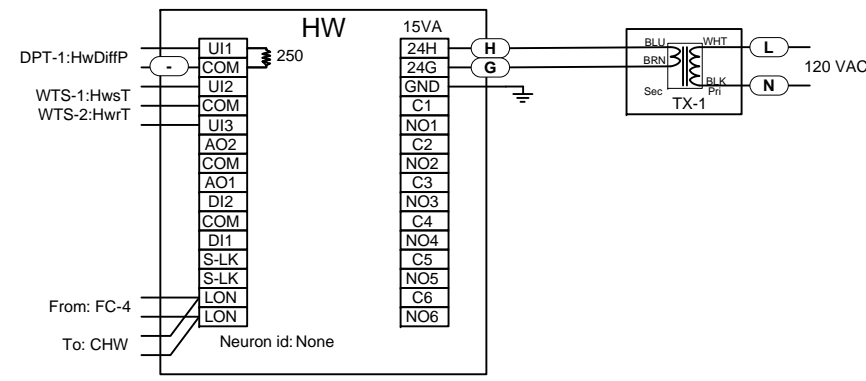
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Revisions	
#	Date
1	07/15/07
2	Record Drawing
3	
4	
5	

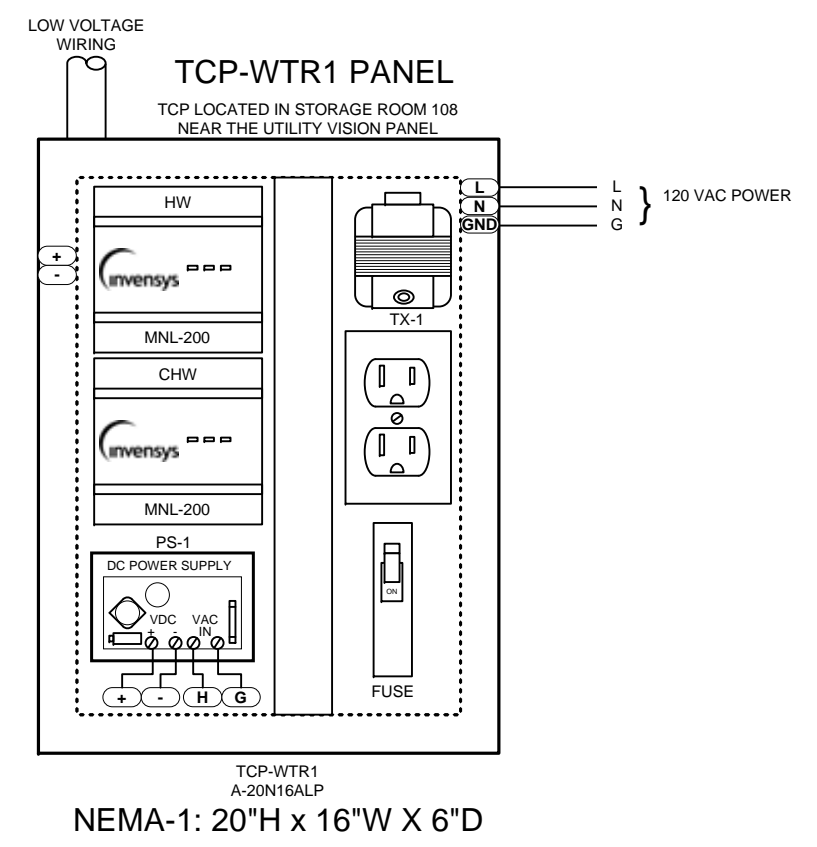
Architect: Noll & Tam
Engineer: McCracken and Woodman
Contractor: BDP Builders
Designed by: DDA
Software by: DDA
Checked by: DDA

Cañada Bldg 17
4220 Farm Hill Blvd
Redwood City, CA 94061
MISC SYSTEM CONTROL

JOB NUMBER: 2TCG0090
FILE NAME: MISC.SYSTEMS.vsd
SHEET NO.: 6 OF 10



TCP-WTR1 Device	Qty	Part Number	Description	Vendor
Panel				
CHW	1	MNL-20RS3	MN 200 CONT. WITH LONMARK ROOF	INVENSYS BLDG SYSTEMS
HW	1	MNL-20RS3	MN 200 CONT. WITH LONMARK ROOF	INVENSYS BLDG SYSTEMS
PS-1	1	PSM24A24DAS	24VAC/24VDC POWER SUPPLY,300MA	FUNCTIONAL DEVICES
TCP-WTR1	1	A-20N16ALP	20"x16"x 6" NEMA1 ENCLOSURE	HOFFMAN
TCP-WTR1_1	1	A-20N16MP	20"x16" BACKPLATE	HOFFMAN
TX-1	1	T-201-1	TRANSFORMER 50 VA, 120V-P, 24V	SINGLE SOURCED SOLUTIONS



Y&M&S
Building ingenuity for better business

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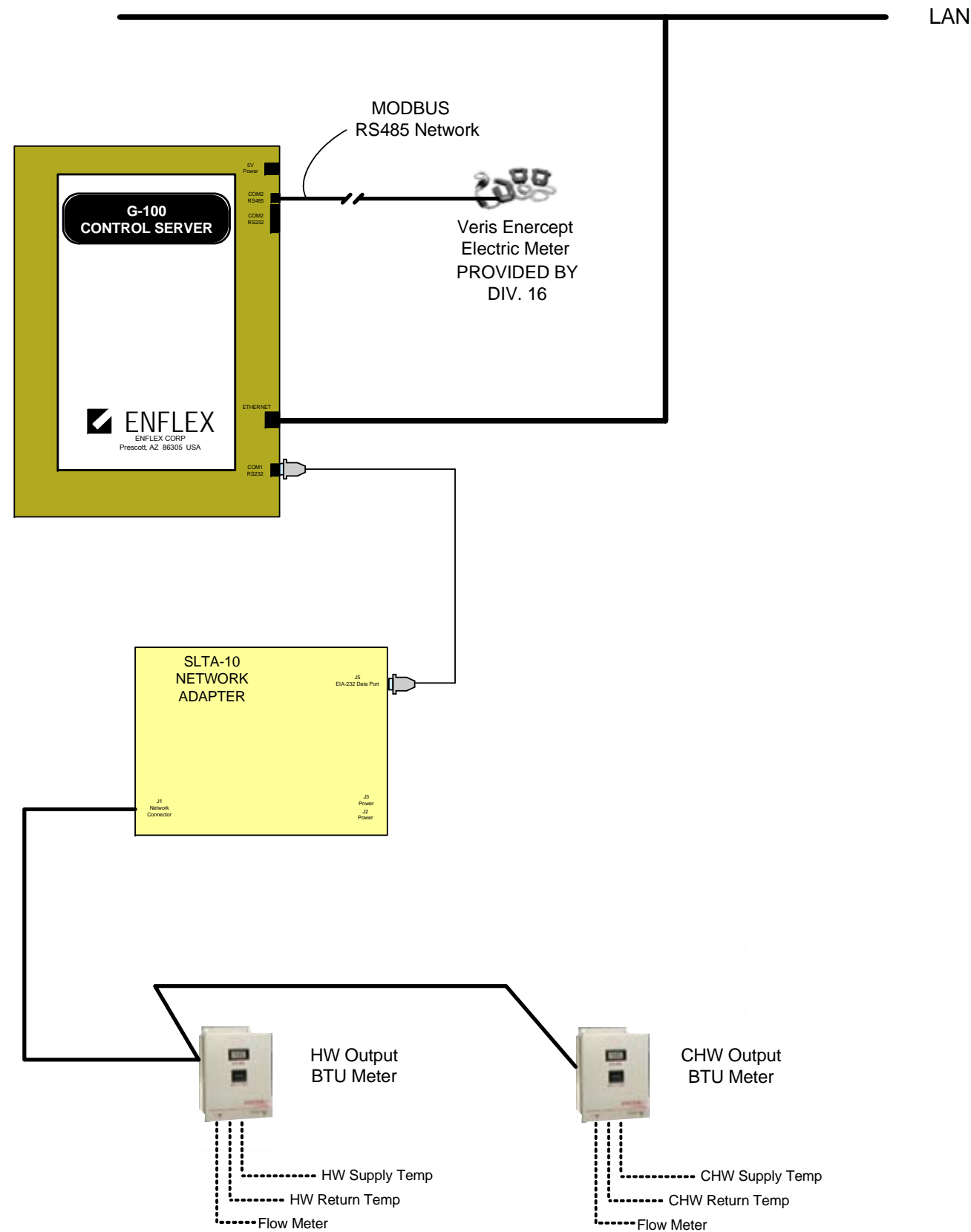
Revisions	
#	Date
1	07/15/07
2	Record Drawing
3	
4	
5	

Architect: Noll & Tam
 Engineer: McCracken and Woodman
 Contractor: BDP Builders
 Designed by: DDA Date: 09/26/2006
 Software by: Date:
 Checked by: Date:

Cañada Bldg 17
 4220 Farm Hill Blvd
 Redwood City, CA 94061
HW & CHW PANEL

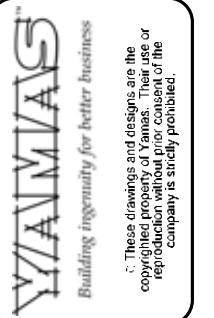
JOB NUMBER
2TCG0090
 FILE NAME
Water Systems.vsd
 SHEET NO.
8 OF 10

UTILITY VISION LAYOUT FOR CAÑADA BLDG 17



Utility Vision Device	Qty	Part Number	Description	Vendor
Electrical				
BTUMETER	2	SYSTEM-10-LON	BTU METER WITH LON INTERFACE	ONICON
BTUMETER_1	2	F-1200	DUAL TURBINE INSERT FLOW METER	ONICON
Panel				
ENFLEX	1	G-100	CONTROL SERVER	ENFLEX
SLTA-10	1	ECH-73351	SLTA-10 TO FT-10 SERIAL LONAL	SINGLE SOURCED SOLUTIONS
SLTA-10_1	1	ECH-73380	SLTA-10 TO NULL MODEM CABLE	SINGLE SOURCED SOLUTIONS

NOTE:
The System-10-LON BTU Meter is sold complete with temperature sensors and standard thermowells. Flow Meters are purchased separately.



Revisions	
#	Date
1	07/15/07
2	
3	
4	
5	

Architect: Noll & Tam
Engineer: McCracken and Woodman
Contractor: BDP Builders
Designed by: DDA
Software by: DDA
Checked by: DDA

Date: 09/26/2006
Date:
Date:

Cañada Bldg 17
4220 Farm Hill Blvd
Redwood City, CA 94061

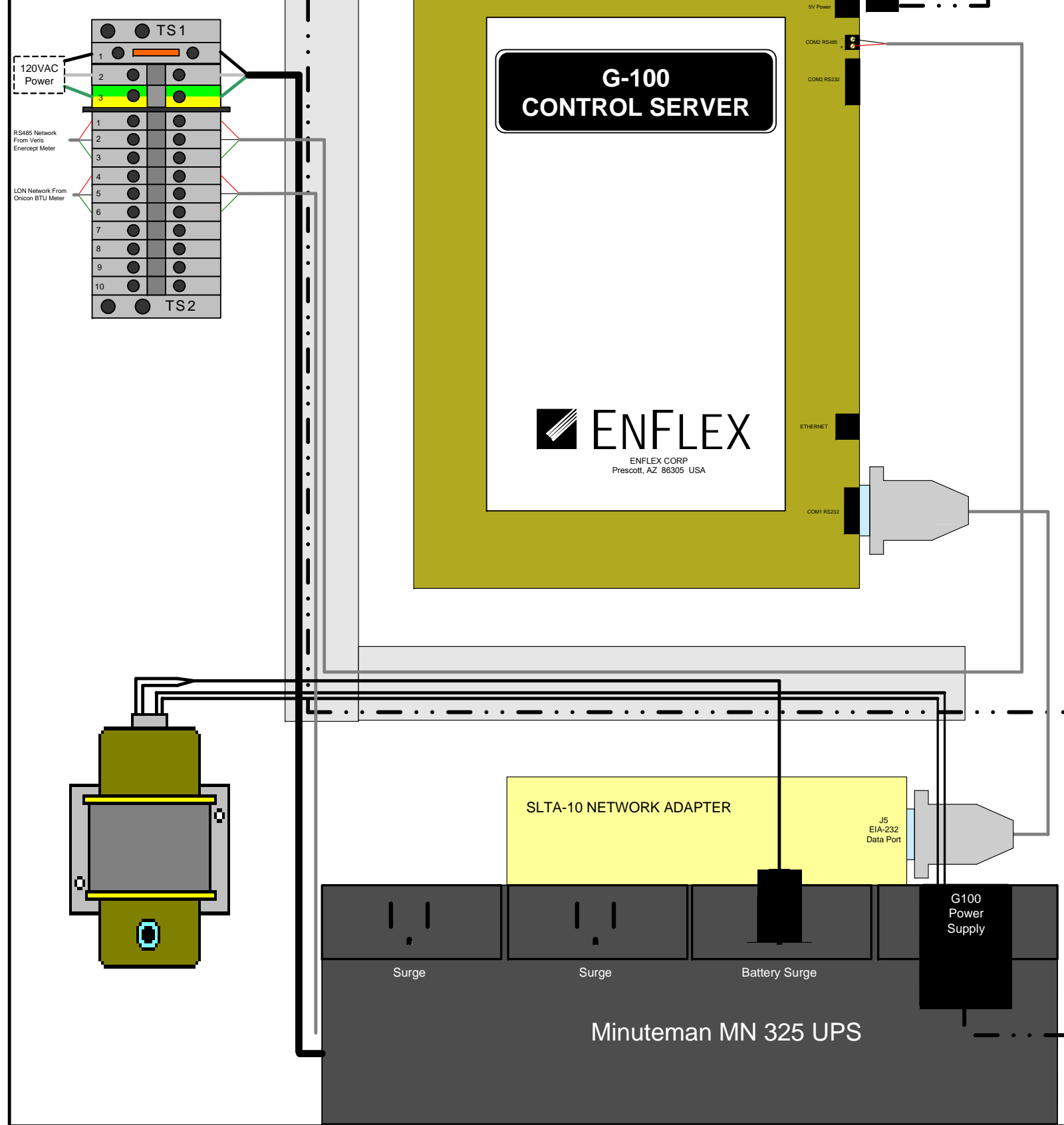
UTILITY VISION LAYOUT

JOB NUMBER
2TCG0090

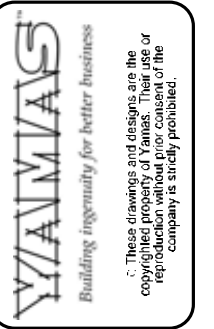
FILE NAME
Utility Vision.vsd

SHEET NO.
9 OF 10

Canada College
Building 17 UV Panel



UTILITY VISION PANEL
- MOUNT PANEL IN 1ST FLOOR
STORAGE ROOM 108 -
PANEL SIZE: 18"H x 12"W x 6"D



Revisions	
#	Date
1	07/15/07
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3	
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5	

Architect: Noll & Tam
Engineer: McCracken and Woodman
Contractor: BDP Builders
Designed by: DDA Date: 09/26/2006
Software by: Date:
Checked by: Date:

Canada Bldg 17
4220 Farm Hill Blvd
Redwood City, CA 94061
UTILITY VISION PANEL

JOB NUMBER
2TCG0090
FILE NAME
Utility Vision.vsd
SHEET NO.
10 OF 10