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| PANEL DP_02 | | LOCATION ROOM 203 | | | VOLTS 480Y/277V | | | | | | | | | | |
|---------------------------|-----------------------|-------------------|--------|-------------------|-----------------|-----------------|-------|-------|-----------|------|-----------|-------|------|---------------------|-----|
| FED FROM | CKT # | MOUNTING Recessed | | MAIN Main Lugs | | | | | | | | | | | |
| DP_01 | 20 | PHASE 3 | WIRE 4 | FEEDER 4*350KCMIL | BUS 225 | | | | | | | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
| | | | | | | A | B | C | | | | | | | |
| 1 | HEATER HC-01 | 1 | 3 | 12 | 20 | 75000 | 25000 | 25000 | 25000 | 8000 | 20 | 3 | 2 | HEATER HC-06 | 2 |
| 3 | | 3 | | | | | 25000 | 2567 | | | | | 4 | | |
| 5 | | 5 | | | | | | | | | | | 6 | | |
| 7 | HEATER HC-02 | 7 | 3 | 12 | 20 | 12000 | 4000 | 3000 | 2000 | 8000 | 20 | 3 | 8 | HEATER HC-07 | 8 |
| 9 | | 9 | | | | | | | | | | | 10 | | |
| 11 | | 11 | | | | | | | | | | | 12 | | |
| 13 | HEATER HC-04 | 13 | 3 | 12 | 20 | 25000 | 8333 | | | 6000 | 20 | 3 | 14 | HEATER HC-08 | 14 |
| 15 | | 15 | | | | | | | | | | | 16 | | |
| 17 | | 17 | | | | | | | | | | | 18 | | |
| 19 | HEATER HC-05 | 19 | 3 | 12 | 20 | 8000 | 2667 | | | 6319 | 30 | 3 | 20 | SUPPLY CRANE MOTOR | 20 |
| 21 | | 21 | | | | | | | | | | | 22 | | |
| 23 | | 23 | | | | | | | | | | | 24 | | |
| 25 | LIGHTS ROOM 202 | 25 | 1 | | 20 | 1824 | 1284 | | | | 20 | 1 | 26 | SPARE | 26 |
| 27 | OUTSIDE LTG. ROOM 209 | 27 | 1 | | 20 | 622 | 622 | 50 | | 50 | 20 | 1 | 28 | EMERG BATT PACKS | 28 |
| 29 | LIGHTS ROOM 203,209 | 29 | 1 | | 20 | 1547 | | | | 3234 | 20 | 1 | 30 | LIGHTS ROOM 204,205 | 30 |
| 31 | LIGHTS ROOM 208 | 31 | 1 | | 20 | 188 | 188 | | | 855 | 20 | 1 | 32 | LIGHTS ROOM 206,207 | 32 |
| 33 | ROLLUP DOORS | 33 | 3 | | 20 | 4489 | 1496 | 43 | | 43 | 20 | 1 | 34 | SPARE | 34 |
| 35 | * | 35 | * | | | | | 1496 | | | 20 | 1 | 36 | SPARE | 36 |
| 37 | * | 37 | * | | | | | 1496 | | | 20 | 1 | 38 | SPARE | 38 |
| 39 | SPARE | 39 | 1 | | 20 | | | | | | | 1 | 40 | SPARE | 40 |
| 41 | SPARE | 41 | 1 | | 20 | | | | | | | 1 | 42 | SPARE | 42 |
| TOTAL | | | | | | 53803 | 51651 | 55717 | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | 161171 | | | | | | | | | |
| (AMPS) | | | | | | 193.85 | | | | | | | | | |

NOTE 5 ON DWG LA-E-008.

| PANEL VEAC_01B | | LOCATION ROOM 203 | | | VOLTS 480Y/277V | | | | | | | | | | | | |
|---------------------------|----------------------|-------------------|--------|-------------------|-----------------|-----------|-----------------|-------|-------|-----------|-----|-----------|-------|-------|----------------------|--------------------|----|
| FED FROM | CKT # | MOUNTING Recessed | | MAIN 200A | | | | | | | | | | | | | |
| DP_01 | 26 | PHASE 3 | WIRE 4 | FEEDER 4*300KCMIL | BUS 225A | | | | | | | | | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | BKR | VOLT AMPS | PHASE LOAD (VA) | | | VOLT AMPS | BKR | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT | |
| | | | | | | | A | B | C | | | | | | | | |
| 1 | HEATING BLANKET CART | 1 | 3 | 10 | 30 | 27000 | 9000 | 9000 | 9000 | 20000 | 30 | | 3 | 2 | CRYOPUMP REGENERATOR | 2 | |
| 3 | | 3 | | | | | | | | | | | 4 | | | | |
| 5 | | 5 | | | | | | | | | | | 6 | | | | |
| 7 | MAIN TURBO PUMP | 7 | 1 | | 20 | 400 | 400 | | | 20 | | 3 | 8 | SPARE | 8 | | |
| 9 | BAKEOUT CLEAN ROOM | 9 | 3 | | 60 | | | | | | | | 10 | SPARE | 10 | | |
| 11 | | 11 | | | | | | | | | | | 12 | SPARE | 12 | | |
| 13 | | 13 | | | | | | | | | | | 14 | SPARE | 14 | | |
| 15 | HU-01 RM 203 | 15 | 3 | 10 | 20 | 14000 | 4667 | | | 14000 | 20 | | 1 | 16 | HU-02 RM 203 | 16 | |
| 17 | | 17 | | | | | | | | | | | 3 | 18 | SPARE | 18 | |
| 19 | | 19 | | | | | | | | | | | 20 | | | | |
| 21 | SPARE | 21 | 1 | | 20 | | | | | | | | 22 | | | | |
| 23 | SPARE | 23 | 1 | | 20 | | | | | | | | 24 | SPARE | 24 | | |
| 25 | GATE VALVE | 25 | 3 | | 20 | | | | | | | | 6 | 3 | 26 | BAKEOUT CLEAN ROOM | 26 |
| 27 | | 27 | | | | | | | | | | | 28 | | | | |
| 29 | | 29 | | | | | | | | | | | 30 | | | | |
| TOTAL | | | | | | | 25401 | 25001 | 25001 | | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | | 75403 | | | | | | | | | | |
| (AMPS) | | | | | | | 90.7 | | | | | | | | | | |

NOTE:
 1. PANELS DP_01, DP_02, VEAC_01B AND VEAC_02B ARE TYPICAL FOR END STATIONS A AND B.

| ARM 2 - MID & END | | ARM 1 - END | | | | | | | | | | | | | | |
|---------------------------|-----------------------|------------------------|--------|--------------------|-----------------|-----------------|------|------|-----------|------|-----------|-------|------|-------------|-----------------------|----|
| PANEL RP_01 | | LOCATION ROOM 203 | | | VOLTS 208Y/120V | | | | | | | | | | | |
| FED FROM | CKT # | MOUNTING Surface Mount | | MAIN 100A | | | | | | | | | | | | |
| DP_01 | 19 | PHASE 3 | WIRE 4 | FEEDER 4*2/0 & 1*4 | BUS 100A | | | | | | | | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT | |
| | | | | | | A | B | C | | | | | | | | |
| 1 | RCPT ROOM 202 | 1 | 1 | 12 | 20 | 1080 | 1080 | | | 900 | 20 | 12 | 1 | 2 | RCPT ROOM 207,206,208 | 2 |
| 3 | RCPT ROOM 202 | 3 | 1 | 12 | 20 | 3600 | 1800 | 1800 | | 900 | 20 | 12 | 1 | 4 | RCPT ROOM 203,204,205 | 4 |
| 5 | FA PANEL & RFAR | 5 | 1 | 12 | 20 | | | 1080 | | 1080 | 20 | 12 | 1 | 6 | RCPT ROOM 206,207,208 | 6 |
| 7 | RCPT ROOM 210,203 | 7 | 1 | 12 | 20 | 900 | 900 | | | 240 | 20 | 12 | 1 | 8 | EXHAUST FAN | 8 |
| 9 | RCPT ROOM 203,204,205 | 9 | 1 | 12 | 20 | 720 | 720 | | | | 20 | 12 | 1 | 10 | PROPANE TOILET | 10 |
| 11 | RCPT ROOM 203 | 11 | 1 | 12 | 20 | 720 | | 540 | | 540 | 20 | 12 | 1 | 12 | | 12 |
| 13 | LIGHTING 203 | 13 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 14 | GLYCOL PUMP | 14 |
| 15 | LIGHTING 203 | 15 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 16 | EXIT LIGHT MASTER PNL | 16 |
| 17 | SF-1 ACTUATOR | 17 | 1 | 12 | 20 | | | | 180 | | 20 | 12 | 1 | 18 | SPARE | 18 |
| 19 | SF-2 ACTUATOR | 19 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 20 | SPARE | 20 |
| 21 | CONTROL PANEL POWER | 21 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 22 | CHILLER YARD 120V | 22 |
| 23 | SPARE | 23 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 24 | SPARE | 24 |
| TOTAL | | | | | | 3120 | 3420 | 4140 | | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | 10770 | | | | | | | | | | |
| (AMPS) | | | | | | 29.89 | | | | | | | | | | |

| ARM 1 - END | | | | | | | | | | | | | | | | |
|---------------------------|-----------------------|------------------------|--------|--------------------|-----------------|-----------------|------|------|-----------|------|-----------|-------|------|-------------|-----------------------|----|
| PANEL RP_01 | | LOCATION ROOM 203 | | | VOLTS 208Y/120V | | | | | | | | | | | |
| FED FROM | CKT # | MOUNTING Surface Mount | | MAIN 100A | | | | | | | | | | | | |
| DP_01 | 19 | PHASE 3 | WIRE 4 | FEEDER 4*2/0 & 1*4 | BUS 100A | | | | | | | | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT | |
| | | | | | | A | B | C | | | | | | | | |
| 1 | RCPT ROOM 202 | 1 | 1 | 12 | 20 | 1080 | 1080 | | | 900 | 20 | 12 | 1 | 2 | RCPT ROOM 207,206,208 | 2 |
| 3 | RCPT ROOM 202 | 3 | 1 | 12 | 20 | 3600 | 1800 | 1800 | | 900 | 20 | 12 | 1 | 4 | RCPT ROOM 203,204,205 | 4 |
| 5 | FA PANEL & RFAR | 5 | 1 | 12 | 20 | | | 1080 | | 1080 | 20 | 12 | 1 | 6 | RCPT ROOM 206,207,208 | 6 |
| 7 | RCPT ROOM 210,203 | 7 | 1 | 12 | 20 | 900 | 900 | | | 240 | 20 | 12 | 1 | 8 | PROPANE TOILET | 8 |
| 9 | RCPT ROOM 203,204,205 | 9 | 1 | 12 | 20 | 720 | 720 | | | | 20 | 12 | 1 | 10 | | 10 |
| 11 | RCPT ROOM 203 | 11 | 1 | 12 | 20 | 720 | | 540 | | 540 | 20 | 12 | 1 | 12 | EXHAUST FAN | 12 |
| 13 | LIGHTING 203 | 13 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 14 | GLYCOL PUMP | 14 |
| 15 | LIGHTING 203 | 15 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 16 | EXIT LIGHT MASTER PNL | 16 |
| 17 | SF-1 ACTUATOR | 17 | 1 | 12 | 20 | | | | 180 | | 20 | 12 | 1 | 18 | SPARE | 18 |
| 19 | SF-2 ACTUATOR | 19 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 20 | SPARE | 20 |
| 21 | CONTROL PANEL POWER | 21 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 22 | CHILLER YARD 120V | 22 |
| 23 | SPARE | 23 | 1 | 12 | 20 | | | | | | 20 | 12 | 1 | 24 | SPARE | 24 |
| TOTAL | | | | | | 3120 | 3420 | 4140 | | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | 10770 | | | | | | | | | | |
| (AMPS) | | | | | | 29.89 | | | | | | | | | | |

| PANEL VEAC_02B | | LOCATION ROOM 202 | | | VOLTS 480Y/277V | | | | | | | | | | | |
|---------------------------|----------------------|-------------------|--------|------------------|-----------------|-----------|-----------------|-------|-------|-----------|-----|-----------|-------|-------|----------------------|-----|
| FED FROM | CKT # | MOUNTING Recessed | | MAIN 100A | | | | | | | | | | | | |
| DP_01 | 31 | PHASE 3 | WIRE 4 | FEEDER 4*1 & 1*6 | BUS 125 | | | | | | | | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | BKR | VOLT AMPS | PHASE LOAD (VA) | | | VOLT AMPS | BKR | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
| | | | | | | | A | B | C | | | | | | | |
| 1 | HEATING BLANKET CART | 1 | 3 | | 60 | 27000 | 9000 | 9000 | 9000 | 20000 | 30 | | 3 | 2 | CRYOPUMP REGENERATOR | 2 |
| 3 | | 3 | | | | | | | | | | | 4 | | | |
| 5 | | 5 | | | | | | | | | | | 6 | | | |
| 7 | MAIN TURBO PUMP 1 | 7 | 3 | | 20 | 400 | 400 | | | 20 | | 3 | 8 | SPARE | 8 | |
| 9 | | 9 | | | | | | | | | | | 10 | | | |
| 11 | | 11 | | | | | | | | | | | 12 | | | |
| TOTAL | | | | | | | 16067 | 15667 | 15667 | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | | 47401 | | | | | | | | | |
| (AMPS) | | | | | | | 57.0 | | | | | | | | | |

ISSUED FOR CONSTRUCTION
 DRAWN M. M. 6-25-96
 CHECKED J. K. 7-3-96
 ENGINEER K. R. 7-3-96
 PROJ M. D. W. 7-8-96
AS-BUILT DRAWINGS

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LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. I - HANFORD, WASHINGTON
**ELECTRICAL
 MID & END A STATIONS
 PANEL SCHEDULES**
 AS NOTED PPI50969 8094
WA-E-205

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