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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 | VOLT AMPS | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
| | | | | | | | A | B | C | | | | | | | |
| 1 | HEATER | 1 | 3 | | | 75000 | 25000 | 25000 | 25000 | 8000 | | 3 | 2 | HEATER | 2 | |
| 3 | | 3 | | | | | 25000 | 25000 | 25000 | | | | 4 | | | |
| 5 | | 5 | | | | | | | 25000 | | | | 6 | | | |
| 7 | HEATER | 7 | 3 | | | 12000 | 4000 | 4000 | 4000 | 8000 | | 3 | 8 | HEATER | 8 | |
| 9 | | 9 | | | | | 4000 | 4000 | 4000 | | | | 10 | | | |
| 11 | | 11 | | | | | | | 4000 | | | | 12 | | | |
| 13 | HEATER | 13 | 3 | | | 25000 | 8333 | 8333 | 8333 | 6000 | | 3 | 14 | HEATER | 14 | |
| 15 | | 15 | | | | | 0 | 8333 | 8333 | | | | 16 | | | |
| 17 | | 17 | | | | | 0 | 8333 | 8333 | | | | 18 | | | |
| 19 | HEATER | 19 | 3 | | | 8000 | 2667 | 2667 | 2667 | 6319 | | 3 | 20 | SUPPLY CRANE MOTOR | 20 | |
| 21 | | 21 | | | | | 0 | 2667 | 2667 | | | | 22 | | | |
| 23 | | 23 | | | | | 0 | 2667 | 2667 | | | | 24 | | | |
| 25 | LIGHTS ROOM 202 | 25 | 1 | | | 1824 | 1284 | 0 | 0 | | | 1 | 26 | Spare | 26 | |
| 27 | OUTSIDE LTG. ROOM 209 | 27 | 1 | | | 622 | 622 | 0 | 0 | 50 | | 1 | 28 | EMERG BATT PACKS | 28 | |
| 29 | LIGHTS ROOM 203,209 | 29 | 1 | | | 1547 | 0 | 0 | 0 | 3234 | | 1 | 30 | LIGHTS ROOM 204,205 | 30 | |
| 31 | LIGHTS ROOM 208 | 31 | 1 | | | 188 | 188 | 0 | 0 | 855 | | 1 | 32 | LIGHTS ROOM 206,207 | 32 | |
| 33 | ROLLUP DOORS | 33 | 1 | | | 4489 | 1496 | 43 | 0 | 43 | | 1 | 34 | EXIT LIGHTS | 34 | |
| 35 | | 35 | | | | | 0 | 1496 | 0 | | | 1 | 36 | Spare | 36 | |
| 37 | | 37 | | | | | 0 | 0 | 1496 | | | 1 | 38 | Spare | 38 | |
| 39 | Spare | 39 | 1 | | | | 0 | 0 | 0 | | | 1 | 40 | Spare | 40 | |
| 41 | Spare | 41 | 1 | | | | 0 | 0 | 0 | | | 1 | 42 | Spare | 42 | |
| TOTAL | | | | | | | 53803 | 51651 | 55717 | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | | 161171 | | | | | | | | | |
| TOTAL CONNECTED LOAD (AMPS) | | | | | | | | | | | | | | | | |

NOTE 5 ON DWG WA-E-008.

| 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 | VOLT AMPS | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
| | | | | | | | A | B | C | | | | | | | |
| 1 | RECP ROOM 202 | 1 | 1 | | | 1080 | 1080 | 0 | 0 | 900 | | 1 | 2 | RECP ROOM 202 | 2 | |
| 3 | INCINOLET | 3 | 2 | | | 3600 | 0 | 1800 | 1800 | 900 | | 1 | 4 | RECP ROOM 203,204,205 | 4 | |
| 5 | | 5 | | | | | 0 | 0 | 1800 | 1080 | | 1 | 6 | RECP ROOM 206,207,208 | 6 | |
| 7 | RECP ROOM 206,207,208 | 7 | 1 | | | 900 | 900 | 0 | 0 | 240 | | 1 | 8 | EXHAUST FAN | 8 | |
| 9 | RECP ROOM 203,204,205 | 9 | 1 | | | 720 | 0 | 720 | 0 | | | 1 | 10 | Spare | 10 | |
| 11 | RECP ROOM 203 | 11 | 1 | | | 720 | 0 | 0 | 720 | 540 | | 1 | 12 | RECP ROOM 203 | 12 | |
| 13 | Spare | 13 | 1 | | | | 0 | 0 | 0 | | | 1 | 14 | Spare | 14 | |
| 15 | Spare | 15 | 1 | | | | 0 | 0 | 0 | | | 1 | 16 | Spare | 16 | |
| 17 | Spare | 17 | 1 | | | | 0 | 0 | 0 | | | 1 | 18 | Spare | 18 | |
| 19 | Spare | 19 | 1 | | | | 0 | 0 | 0 | | | 1 | 20 | Spare | 20 | |
| 21 | Spare | 21 | 1 | | | | 0 | 0 | 0 | | | 1 | 22 | Spare | 22 | |
| 23 | Spare | 23 | 1 | | | | 0 | 0 | 0 | | | 1 | 24 | Spare | 24 | |
| TOTAL | | | | | | | 3120 | 3420 | 4140 | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | | 10770 | | | | | | | | | |
| TOTAL CONNECTED LOAD (AMPS) | | | | | | | | | | | | | | | | |

| PANEL VEAC_02B | | LOCATION ROOM 202 | | | | | | | | | | VOLTS 480Y/277V | | | | |
|-----------------------------|----------------------|---------------------------------|-------|-----------|------|-----------|-----------------|-------|-------|-----------|------|-----------------|-------|----------------------|-------------|-----|
| FED FROM | CKT # | MOUNTING Recessed | | | | | | | | | | MAIN Main lugs | | | | |
| DP_01 | 31 | PHASE 3 WIRE 4 FEEDER 4*1 & 1*6 | | | | | | | | | | BUS 125 | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | VOLT AMPS | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
| | | | | | | | A | B | C | | | | | | | |
| 1 | HEATING BLANKET CART | 1 | 3 | | | 27000 | 9000 | 9000 | 9000 | 20000 | | 3 | 2 | CRYOPUMP REGENERATOR | 2 | |
| 3 | | 3 | | | | | 9000 | 9000 | 9000 | | | | 4 | | | |
| 5 | | 5 | | | | | 0 | 0 | 9000 | | | | 6 | | | |
| 7 | MAIN TURBO PUMP 1 | 7 | 1 | | | 400 | 400 | 0 | 0 | | | 3 | 8 | | 8 | |
| 9 | Spare | 9 | | | | | 0 | 0 | 0 | | | | 10 | | | |
| 11 | Spare | 11 | | | | | 0 | 0 | 0 | | | | 12 | | | |
| TOTAL | | | | | | | 16067 | 15667 | 15667 | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | | 47401 | | | | | | | | | |
| TOTAL CONNECTED LOAD (AMPS) | | | | | | | | | | | | | | | | |

| PANEL VEAC_01B | | LOCATION ROOM 203 | | | | | | | | | | VOLTS 480Y/277V | | | | |
|-----------------------------|----------------------|----------------------------------|-------|-----------|------|-----------|-----------------|-------|-------|-----------|------|-----------------|-------|----------------------|-------------|-----|
| FED FROM | CKT # | MOUNTING Recessed | | | | | | | | | | MAIN Main lugs | | | | |
| DP_01 | 20 | PHASE 3 WIRE 4 FEEDER 4*300KCMIL | | | | | | | | | | BUS 225 | | | | |
| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | VOLT AMPS | PHASE LOAD (VA) | | | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
| | | | | | | | A | B | C | | | | | | | |
| 1 | HEATING BLANKET CART | 1 | 3 | | | 27000 | 9000 | 9000 | 9000 | 20000 | | 3 | 2 | CRYOPUMP REGENERATOR | 2 | |
| 3 | | 3 | | | | | 9000 | 9000 | 9000 | | | | 4 | | | |
| 5 | | 5 | | | | | 0 | 0 | 9000 | | | | 6 | | | |
| 7 | MAIN TURBO PUMP | 7 | 1 | | | 400 | 400 | 0 | 0 | | | 3 | 8 | Spare | 8 | |
| 9 | Spare | 9 | | | | | 0 | 0 | 0 | | | | 10 | Spare | 10 | |
| 11 | Spare | 11 | | | | | 0 | 0 | 0 | | | | 12 | Spare | 12 | |
| 13 | Spare | 13 | | | | | 0 | 0 | 0 | | | | 14 | Spare | 14 | |
| 15 | HU-01 RM 203 | 15 | 3 | | | 14000 | 4667 | 4667 | 4667 | 14000 | | 3 | 16 | HU-02 RM 203 | 16 | |
| 17 | | 17 | | | | | 0 | 4667 | 4667 | | | | 18 | | | |
| 19 | | 19 | | | | | 0 | 4667 | 4667 | | | | 20 | | | |
| 21 | Spare | 21 | | | | | 0 | 0 | 0 | | | | 22 | Spare | 22 | |
| 23 | Spare | 23 | | | | | 0 | 0 | 0 | | | | 24 | Spare | 24 | |
| 25 | Spare | 25 | | | | | 0 | 0 | 0 | | | 1 | 26 | Spare | 26 | |
| 27 | Spare | 27 | | | | | 0 | 0 | 0 | | | 1 | 28 | Spare | 28 | |
| 29 | Spare | 29 | | | | | 0 | 0 | 0 | | | 1 | 30 | Spare | 30 | |
| TOTAL | | | | | | | 25401 | 25001 | 25001 | | | | | | | |
| TOTAL CONNECTED LOAD (VA) | | | | | | | 75403 | | | | | | | | | |
| TOTAL CONNECTED LOAD (AMPS) | | | | | | | | | | | | | | | | |

| NO. | DATE | BY | CHKD | ENGR | PROJ | DESCRIPTION |
|-----|---------|-----|------|------|------|---------------------------|
| B | 5-22-96 | BAF | MM | W | SDM | BID ADDENDUM #2 |
| A | 4-19-96 | | | | TDM | FINAL DESIGN REVIEW & BID |

| | |
|----------|-------|
| DRAWN | J. G. |
| CHECKED | |
| ENGINEER | |
| PROJ | |

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 PASADENA, CALIFORNIA

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LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 1 - HANFORD, WASHINGTON

ELECTRICAL
 MID & END A STATIONS
 PANEL SCHEDULES

SCALE: NONE
 CONTRACT NUMBER: PPI50969
 PROJECT NUMBER: 8094

SHEET NUMBER: **WA-E-205**