| PANEL 107HP_1 | | LOCATION ROOM 107 | | | VOLTS 480 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FED FROM | CKT # | MOUNTING Recessed | | | MAIN | | | | | | | | | |
| 107SB_1 | | PHASE 3 | | WIRE 3 | FEEDER | | | BUS 800 | | | | | | |

| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | VOLT AMPS | PHASE LOAD (VA) A | PHASE LOAD (VA) B | PHASE LOAD (VA) C | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WCS107HC01A | 1 | 3 | 0 | 0 | 80000 | 26667 33333 | | | 100000 | 0 | 0 | 3 | 2 | WCS107HC03A | 2 |
| X | | 3 | | | | | | 26667 33333 | | | | | | 4 | | X |
| X | | 5 | | | | | | | 26667 33333 | | | | | 6 | | X |
| 7 | WCS107HC01B | 7 | 3 | 0 | 0 | 50000 | 16667 33333 | | | 100000 | 0 | 0 | 3 | 8 | WCS107HC05 | 8 |
| X | | 9 | | | | | | 16667 33333 | | | | | | 10 | | X |
| X | | 11 | | | | | | | 16667 33333 | | | | | 12 | | X |
| 13 | WCS107HC02A | 13 | 3 | 0 | 0 | 100000 | 33333 20000 | | | 60000 | 0 | 0 | 3 | 14 | WCS107HC06 | 14 |
| X | | 15 | | | | | | 33333 20000 | | | | | | 16 | | X |
| X | | 17 | | | | | | | 33333 20000 | | | | | 18 | | X |
| 19 | WCS107HU01 | 19 | 3 | 0 | 0 | 34000 | 11333 20000 | | | 60000 | 0 | 0 | 3 | 20 | WCS107HC07 | 20 |
| X | | 21 | | | | | | 11333 20000 | | | | | | 22 | | X |
| X | | 23 | | | | | | | 11333 20000 | | | | | 24 | | X |
| 25 | WCS107HU02 | 25 | 3 | 0 | 0 | 34000 | 11333 20000 | | | 60000 | 0 | 0 | 3 | 26 | WCS107HC08 | 26 |
| X | | 27 | | | | | | 11333 20000 | | | | | | 28 | | X |
| X | | 29 | | | | | | | 11333 20000 | | | | | 30 | | X |
| 31 | SPARE | 31 | 3 | 0 | 0 | 0 | 0 0 | | | 0 | 0 | 0 | 3 | 32 | SPARE | 32 |
| X | | 33 | | | | | | 0 0 | | | | | | 34 | | X |
| X | | 35 | | | | | | | | | | | | 36 | | X |
| 37 | SPARE | 37 | 3 | 0 | 0 | 0 | 0 0 | | 0 0 | 0 | 0 | 0 | 3 | 38 | SPARE | 38 |
| X | | 39 | | | | | | 0 0 | | | | | | 40 | | X |
| X | | 41 | | | | | | | 0 0 | | | | | 42 | | X |
| | | | | | | TOTAL | 225999 | 225999 | 225999 | | | | | | | |

• TOTAL CONNECTED LOAD (VA) 677997

(AMPS)

•
70 % DEMAND FACTOR TOTAL VA = 4745979

| PANEL 107HP_2 | | LOCATION ROOM 107 | | | VOLTS 480 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FED FROM | CKT # | MOUNTING Recessed | | | MAIN | | | | | | | | | |
| | | PHASE 3 | | WIRE 3 | FEEDER | | | BUS 800 | | | | | | |

| CKT | LOAD SERVED | SLOT | POLES | WIRE SIZE | TRIP | VOLT AMPS | PHASE LOAD (VA) A | PHASE LOAD (VA) B | PHASE LOAD (VA) C | VOLT AMPS | TRIP | WIRE SIZE | POLES | SLOT | LOAD SERVED | CKT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | WCS107HC02B | 1 | 3 | 0 | 0 | 100000 | 33333 5000 | | | 15000 | 0 | 0 | 3 | 2 | WCS107HC11 | 2 |
| X | | 3 | | | | | | 33333 5000 | | | | | | 4 | | X |
| X | | 5 | | | | | | | 33333 5000 | | | | | 6 | | X |
| 7 | WCS107HC03B | 7 | 3 | 0 | 0 | 100000 | 33333 17333 | | | 52000 | 0 | 0 | 3 | 8 | WCS107HU07 | 8 |
| X | | 9 | | | | | | 33333 17333 | | | | | | 10 | | X |
| X | | 11 | | | | | | | 33333 17333 | | | | | 12 | | X |
| 13 | WCS107HC04 | 13 | 3 | 0 | 0 | 100000 | 33333 5667 | | | 17000 | 0 | 0 | 3 | 14 | WCS107HU05 | 14 |
| X | | 15 | | | | | | 33333 5667 | | | | | | 16 | | X |
| X | | 17 | | | | | | | 33333 5667 | | | | | 18 | | X |
| 19 | WCS107HC09 | 19 | 3 | 0 | 0 | 50000 | 16667 16667 | | | 50000 | 0 | 0 | 3 | 20 | WCS160HC13 | 20 |
| X | | 21 | | | | | | 16667 16667 | | | | | | 22 | | X |
| X | | 23 | | | | | | | 16667 16667 | | | | | 24 | | X |
| 25 | WCS107HC10 | 25 | 3 | 0 | 0 | 50000 | 16667 5667 | | | 17000 | 0 | 0 | 3 | 26 | WCS107HU06 | 26 |
| X | | 27 | | | | | | 16667 5667 | | | | | | 28 | | X |
| X | | 29 | | | | | | | 16667 5667 | | | | | 30 | | X |
| 31 | WCS107HU03 | 31 | 3 | 0 | 0 | 34000 | 11333 5000 | | | 15000 | 0 | 0 | 3 | 32 | WCS107HC12 | 32 |
| X | | 33 | | | | | | 11333 5000 | | | | | | 34 | | X |
| X | | 35 | | | | | | | 11333 5000 | | | | | 36 | | X |
| 37 | WCS107HU04 | 37 | 3 | 0 | 0 | 34000 | 11333 0 | | | 0 | 0 | 0 | 3 | 38 | SPARE | 38 |
| X | | 39 | | | | | | 11333 0 | | | | | | 40 | | X |
| X | | 41 | | | | | | | 11333 0 | | | | | 42 | | X |
| | | | | | | TOTAL | 211333 | 211333 | 211333 | | | | | | | |

• TOTAL CONNECTED LOAD (VA) 633999

(AMPS)

•
70 % DEMAND FACTOR TOTAL VA = 443799

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REFERENCES

DRAWING NO. | DESCRIPTION

REVISIONS

| NO. | DATE | BY | CHKD | ENGR | PROJ | DESCRIPTION |
|---|---|---|---|---|---|---|
| A | 5-22-96 | RAF | TFH | VR | DM | BID ADDENDUM #2 |

| | | |
|---|---|---|
| DRAWN | M. M. | |
| CHECKED | | |
| ENGINEER | | |
| PROJ | | |

PARSONS
100 WEST WALNUT STREET
PASADENA, CALIFORNIA

LIGO
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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

TITLE
ELECTRICAL
CORNER STATION
3RD INTERFEROMETER
PANEL SCHEDULES

| SCALE | CONTRACT NUMBER | PROJECT NUMBER |
|---|---|---|
| AS NOTED | PP150969 | 8094 |

SHEET NUMBER WA-E-509 REVISIONS A

LIGO-D960438-A-O

LIGOWAF3.BDR

Mon May 20 15:36:24 1996 S:\CAD\LIGO\WA\WAE509.PRT