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LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER AND CAT NO.	LAMP DATA/BALLAST		
			TYPE	NOMINAL WATTS	VOLTS
A 479	277V, 400W, METAL HALIDE RECESSED MOUNTED FIXTURE 2'x 2'REMOTE BALLAST, VERTICAL BURNING LAMP, DOOR FLUSH WHITE STEEL, RFI PRISMATIC, CODE 17, QUARTZ STANDBY	HUBBELL-GRIDLUX II RVE-0400HR-A17-REM-QSS	MVR400/U ANSI M59PK PHOSPHOR COATED	400	277
B 479	277V, 400W, METAL HALIDE, PENDANT MOUNTED FIXTURE, INTEGRATED STANDBY PLA BALLAST SUPERWATT OPTICS, QUARTZ STANDBY	HUBBELL-TRIBAY SUPERWATT CH-40-H-4-D-SW-QSS	MVR400/U ANSI M59PK PHOSPHOR COATED	400	277
B1 309	SAME AS "B" ABOVE EXCEPT 250W METAL HALIDE	HUBBELL-TRIBAY SUPERWATT CH-25-H-4-D-SW-QSS	MVR250/U ANSI M59PK PHOSPHOR COATED	—	277
C 79	120V, 75W INCANDESCENT FIXTURE, WALL MOUNTED PRISMATIC DIFFUSER, LAMP INCLUDED	HUBBELL DAP-5075-T1	A-19 MEDIUM (FROST)	75	120
D 119	277V, 70W, HIGH PRESSURE SODIUM, PRISMATIC LENS, WALL MOUNTED, WITH PHOTOCONTROL DEVICE FOR FIELD INSTALLATION, INCLUDED WIRING KIT	HUBBELL PVL-00705-11B-PC-PVL-PK (ENTRANCE)	LU70/ MED CLEAR	70	277
E 30	277V, 30W, SELF-CONTAINED EMERGENCY LIGHTING UNIT, WITH TWO T2 HALOGEN LAMPS, LED A.C. INDICATOR, PUSH-TO-TEST BUTTON	HUBBELL PE-612-2-RGH-D	6-VOLT INCLUDED	6	277
F 30	277V, 30W, WALL MOUNT SELF-CONTAINED "MASTER" EMERGENCY POWER PACK SYSTEM 10, (OPERATES 10 UNITS MAX) LED A.C. INDICATOR, PUSH-TO-TEST- BUTTON	HUBBELL-FREEDOM SYSTEM 10 EXIT LED-S10-EM-S	L	30	277
F1 2	EXIT LIGHT, "SLAVE" UNIT COMPATIBLE WITH FIXTURE TYPE-F ABOVE	HUBBELL-FREEDOM SYSTEM 10 EXIT LEDR-1-R-W-W	—	2	—
F2 2	EXIT LIGHT 277V, SINGLE FACE, BATTERY BACK-UP	HUBBELL-FREEDOM SERIES LED-1-EM-R-W-W-2C	—	5	277
F3 2	EXIT LIGHT 277V, DOUBLE FACE, BATTERY BACK-UP	HUBBELL-FREEDOM SERIES LED-2-EM-R-W-W-2C	—	2	—
VEST G 72	277V, 64W, FLUORESCENT FIXTURE, RECESSED MOUNTED, 2'x2', 2-LAMP WITH EMERGENCY BATTERY PACK BODINE MODEL B50, (ES BALLAST)	HUBBELL -PARABOLITE III RA2GSAE-E42-2E (EMERGENCY)	F42SPX35 /U/6	34	277
OFFICE H 95	277V, FLUORESCENT FIXTURE, RECESSED MOUNTED 2'x 4', 3-LAMP PRISMATIC ACRYLIC DIFFUSER, MAGNETIC BALLAST ESB (MASTER)	HUBBELL-VERSALINE RS3GNA02E4-M59 (MASTER)	F42SPX35 /RS/WM	34	277
H1 95	SAME AS "H" ABOVE, EXCEPT WITH EMERGENCY POWER (BATTERY PACK) BODINE MODEL B50 CONTROLLING CENTER LAMP (MAGNETIC BALLAST ESB)	HUBBELL-VERSALINE RS3GNA02E4-M59-2D (EMERGENCY)	F42SPX35 /RS/WM	34	277
H2 95	SAME AS "H" ABOVE EXCEPT OMIT BALLASTS, (SATELLITE)	HUBBELL-VERSALINE RS3GNA02X4-SAT (SATELLITE)	F42SPX35 /RS/WM	34	277
H3 95	SAME AS "H" ABOVE, EXCEPT 3 LAMP BALLAST (NON-MASTER)	HUBBELL-VERSALINE RS3GNA02E4-VAR (VAR=1 AND 2 LAMP BALLASTS)1	F42SPX35 /RS/WM	34	277
H4 72	SAME AS "H" ABOVE EXCEPT 2-LAMP	HUBBELL-VERSALINE RS2GNA02E4	F42SPX35 /RS/WM	34	277
J 72	277V FLUORESCENT FIXTURE, SURFACE MOUNT 2'X 4', 2-LAMP, PRISMATIC ACRYLIC DIFFUSER,	HUBBELL-SURFACELINE SSD2CA02E4	F42SPX35 /RS/WM	34	277
K 72	SAME AS "J" ABOVE, EXCEPT WITH EMERGENCY POWER (BATTERY PACK) BODINE MODEL B50	HUBBELL -SURFACELINE SSD2CA02E4-20 (EMERGENCY)	F42SPX35 /RS/WM	34	277
MIRROR L 44	277V, FLUORESCENT FIXTURE, WALL MOUNTED, 24" LONG 2-LAMP, ACRYLIC DIFFUSER, MAGNETIC BALLAST,	HUBBELL-MIRROR FM1022S-DTAL-SA	F20T12/ /SP35	20	277
M 95	277V, FLUORESCENT FIXTURE, RECESSED MOUNTED 2'x 4', 3-LAMPS, SEALED, ALUMINUM EXTRUDED DOOR FRAME, RFI SUPPRESSOR-SINGLE (ONE(1) PER FIXTURE)	HUBBELL -CLEAN ROOM CRS-24G3RA-17-E4-SA	F40SPX35 /RS/WM	34	277
M1 114	SAME AS "M" ABOVE EXCEPT 4-LAMP	HUBBELL -CLEAN ROOM CRS-24G4RA-17-E4-SA	F40SPX35 /RS/WM	34	277
M2 95	SAME AS "M" ABOVE, EXCEPT WITH EMERGENCY POWER (BATTERY PACK) BODINE MODEL B50 CONTROLLING CENTER LAMP, EMERGENCY BALLAST B50 MOUNTED ON TOP OF FIXTURE EXTERIOR BY FIELD CONTRACTOR, (REGULAR BALLAST)	HUBBELL-CLEAN ROOM CRS-24G3RA-17-E4-SA-B50 (EMERGENCY)	F40SPX35 /RS/WM	34	277
P 57	277V, 32W, FLUORESCENT FIXTURE, RECESSED MOUNTED, 1'x4', 1-LAMP PRISMATIC LENS, WHITE ACRYLIC DIFFUSER, MAGNETIC BALLAST ESB (MASTER) "B" TYPE	HUBBELL-VERSALINE V RC1GN-A02-E4-E-M511 (MASTER)	F40SPX35 /RS/WM	34	277
P1 32	SAME AS "P" ABOVE, EXCEPT OMIT BALLAST, FIXTURE (SATELLITE)	HUBBELL-VERSALINE V RC1GN-A02-X4-E-SAT(SATELLITE)	F40SPX35 /RS/WM	34	277
Q 64	277V, 64W, FLUORESCENT FIXTURE RECESSED MOUNTED, 2'x 2' 2-LAMP, PRISMATIC LENS, WHITE ACRYLIC DIFFUSER, MAGNETIC BALLAST ESB (MASTER) "A" TYPE	HUBBELL-REGIMENT R222-E-277-M511 (MASTER)	F40SPX35 /U/6	34	277
Q1 64	SAME AS "Q" ABOVE, EXCEPT WITH EMERGENCY POWER (BATTERY PACK) BODINE MODEL B50. (MAGNETIC BALLAST ES)	HUBBELL-REGIMENT R222-E-277-B50 (EMERGENCY)	F40SPX35 /U/6	34	277
Q2 64	SAME AS "Q" ABOVE, EXCEPT OMIT BALLAST, FIXTURE (SATELLITE)	HUBBELL-REGIMENT R222-E-277-SAT (SATELLITE)	F40SPX35 /U/6	34	277
R 129	HINGED GLASS DRUM 120V. 2-60W INCANDESCENT FIXTURE, SATIN WHITE FINISH, SUITABLE FOR DAMP LOCATIONS. CEILING MOUNTED	PRESCOLITE 9401	A-21 CLEAR	2-60	120

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER AND CAT NO.	LAMP DATA/BALLAST		
			TYPE	NOMINAL WATTS	VOLTS
T 150	120V, LINE VOLTAGE TYPE, SINGLE CIRCUIT, TRACK LIGHTING FIXTURE, 150 W. WHITE	HUBBELL T1319	PAR 36	150	120
T 95	277V FLUORESCENT FIXTURE, PARABOLIC, 18-CELLS RECESSED MOUNTED, 2'x 4', 3-LAMPS, RFI SUPPRESSOR MAGNETIC BALLAST ESB (MASTER)	HUBBELL -PARABOLITE III RD3GSZAFE4-M511 (MASTER)	F40SPX35 /RS/WM	34	277
T1 95	SAME AS "T" ABOVE EXCEPT OMIT BALLAST, FIXTURE (SATELLITE)	HUBBELL -PARABOLITE III RD3GSZAFE4-SAT (SATELLITE)	F40SPX35 /RS/WM	34	277
T2 95	SAME AS "T" ABOVE EXCEPT 1 AND 2 LAMP BALLASTS (NON-MASTER)	HUBBELL-PARABOLITE III RD3GSZAFE4-VAR (VAR=1 & 2 LAMP BALLASTS)	F40SPX35 /RS/WM	34	277
U 300	277V, 250W METAL HALIDE FIXTURE, RFI PRISMATIC, CODE 17, RECESSED TYPE, 2'x 2', 1-LAMP	HUBBELL-GRIDLUX II RVE-250-H9 A17-QSS	MVR250/U	250	277
V 175	SAME AS "U" ABOVE EXCEPT 175W	HUBBELL-GRIDLUX II RVE-175-H9 A17-QSS	MVR175/U	175	277
W 250	277V, 175W, METAL HALIDE FIXTURE PENDANT MOUNTED, LOWBAY, GLASS LENS, QUARTZ STANDBY, MEDIUM DISTRIBUTION	HUBBELL-SUPERBAY I BL-175-M-R-LB1-QSS	MVR175/U	175	277
I 100	120V, 100W INCANDESCENT FIXTURE, CEILING MOUNTED, VAPOR TIGHT, 1/2" HUB WITH GLOBE AND GUARD	CROUSE-HINDS VJ1759	A-19 MEDIUM FROST	100	120
Y 300	277V FLOODLIGHT, METAL HALIDE, 250W LAMP, HIGH POWER FACTOR, WIDE BEAM SPREAD, FLAT SURFACE-KNUCKLE MOUNTING WITH PHOTO CONTROL RECEPTACLE	HUBBELL-MAGNALITER MVA-250W-2F3B-PCR 120/277 (SEE NOTE 1)	—	250	277
L 72	277V, FLUORESCENT FIXTURE, SLIDING CLAMP HANGER, 1'X 4', 2-LAMP, WIREGUARD, RFI SUPPRESSOR	HUBBELL-INDUSTRIAL IGD42RPA-UE-4SA W/ IGWG GUARD AND IGCL HANGER SET	F40SPX35 /RS/WM	34	277
AA 60	120V INCANDESCENT FIXTURE, SPLAYED OPEN RING, RECESSED MOUNTED	HUBBELL-MRG ICAT-ES WITH RMJW	PAR38 -QFAN/NR/ WFLSS	60	120
BB 72	277V FLUORESCENT FIXTURE, 4'-0" CABLE MOUNT 8" X 4', 2-LAMP, BLADE LOUVER	PRUDENTIAL-MODULAR 6" P-60-01-M(-2-04-RS-CTE-BLW-277	F40SPX35 /RS/WM	34	277
CC 34	277V FLUORESCENT FIXTURE, 1'X 4', 1-LAMP, ACRYLIC WALL-WASH LENS	PRUDENTIAL-WALL WASH P-8811-04RS-WWW-X1 -277	F40SPX35 /RS/WM	34	277
DD 9	120V FLUORESCENT FIXTURE, 10" X 5", 1-LAMP, STEP LIGHT 45° LOUVERED FRAME	HUBBELL-STEP LIGHT 432-21-F9	INCLUDED	9	120
EE 28	120V FLUORESCENT FIXTURE, WALL MOUNT, BOROSILICATE GASKETED LENS, 1-LAMP	HUBBELL-EVROLUXE B09-04	INCLUDED	28	120
GG 13	120V FLUORESCENT FIXTURE, HUB MOUNT, EXTRUDED ALUMINUM FLOOD, 1-LAMP	HUBBELL AFT-013-WL	INCLUDED	13	120
HH 100	277V METAL HALIDE BOLLARD FIXTURE, CIRCULAR MEDIUM HEIGHT	HUBBELL DMCM100H	MVR100	100	277

RECEPTACLE SCHEDULE

RECEPT TYPE	DESCRIPTION	MANUFACTURER	
		RECPT CAT NO.	PLUG CAT. NO.
R 1	DUPLEX RECEPTACLE, 20A 125VAC, 3W, 2P, NEMA 5-20R, STRAIGHT BLADE IVORY INDUSTRIAL, SPECIFICATION GRADE	HUBBELL CR20I	5-20P
R 2	DUPLEX RECEPTACLE, 20A, 125VAC, 3W, 2P WITH GROUND FAULT CIRCUIT INTERRUPTING DEVICE, NEMA 5-20R STRAIGHT BLADE, IVORY, COMMERCIAL SPECIFICATION GRADE	HUBBELL GF5352DA (GFI)	5-20P
R 3	DUPLEX RECEPTACLE, 20A, 125VAC, 3W, 2P NEMA 5-20R, ISOLATED GROUND, STRAIGHT BLADE, COMMERCIAL SPECIFICATION GRADE	HUBBELL IG5362 (ISOLATED GROUND)	5-20P
R 4	DUPLEX RECEPTACLE, 20A, 125VAC, 3W, 2P NEMA 5-20R ISOLATED GROUND, SURGE SUPPRESSOR WITH LIGHT AND ALARM, STRAIGHT BLADE COMMERCIAL SPECIFICATION GRADE	HUBBELL IG5362IS	5-20P
R 7	DUPLEX RECEPTACLE, 20A, 250VAC, 3W, 2P, NEMA L6-20, STRAIGHT BLADE, HEAVY DUTY, SPECIFICATION GRADE, IVORY (FLOOR FLUSH MOUNTED).	HUBBELL 5462I	L6-20P

MULTI-CONDUCTOR CABLE POWER & CONTROL	TYPE	HOUSTON CATALOG NUMBER (SEE NOTE 3)	O.D. (IN)	VOLTAGE INSULATION
5/C#14	TC	201001405	0.41	600 V
7/C#14	TC	201001407	0.45	600 V
12/C#14	TC	201001412	0.61	600 V
19/C#14	TC	201001419	0.71	600 V
5/C#12	TC	201001205	0.46	600 V
7/C#12	TC	201001207	0.50	600 V
12/C#12	TC	201001212	0.69	600 V
19/C#12	TC	201001219	0.80	600 V
2/C#12 W/ 1#12 GND	TC	220001203	0.45	600 V
3/C#10 W/ 1#10 GND	TC	220001003	0.56	600 V
3/C#8 W/ 1#10 GND	TC	231000803	0.62	600 V
3/C#6 W/ 1#8 GND	TC	231000603	0.70	600 V
3/C#4 W/ 1#6 GND	TC	231000403	0.86	600 V
2/C#2 W/ 1#6 GND	TC	231222203	1.02	600 V
3/C#1 W/ 1#6 GND	TC	232000103	1.13	600 V
2/C#1/0 W/ 1#6 GND	TC	232010103	1.22	600 V
3/C#2/0 W/ 1#4 GND	TC	232020103	1.31	600 V
3/C#3/0 W/ 1#4 GND	TC	232030103	1.42	600 V
3/C#4/0 W/ 1#4 GND	TC	232040103	1.54	600 V
4/C#4/0 W/ 1#4 GND	TC	232040104	1.78	600 V
3/C-250KCMIL W/ 1#3 GND	TC	233025003	1.76	600 V
4/C-250KCMIL W/ 1#3 GND	TC	233025004	1.95	600 V
3/C-350KCMIL W/ 1#3 GND	TC	233035003	1.99	600 V
3/C-500KCMIL W/ 1#2 GND	TC	233050003	2.27	600 V
3/C#2 W/ GND		(BY OTHERS)		15KV(ALUM)
4/C-750KCMIL W/ 1#2/0 GND	TC	248075004	3.07	600 V

MULTI-PAIR CABLE INSTRUMENTATION	TYPE	HOUSTON CATALOG NUMBER (SEE NOTE 3)	O.D. (IN)	VOLTAGE INSULATION
1-6PR#18, P-OS (BK,R)	TC	632001804	0.61	600V
1-8PR#18, P-OS (BK,R)	TC	632001808	0.89	600V
1-12PR#18, P-OS (BK,R)	TC	6320018I2	0.99	600V
1-24PR#18, P-OS (BK,R)	TC	6320018I24	1.35	600V
1-36PR#18, P-OS (BK,R)	TC	6320018I36		600V
1-4TRIAD#18, T-OS (BK,R,BL)	TC	6260018I04	0.64	600V
1-12TRIAD#18, T-OS (BK,R,BL)	TC	6260018I2	0.99	600V
1-8PR#20, (EX) T/C, SP-OS	PLTC	6120020I08	0.50	300V
1-12PR#20, (EX) T/C, SP-OS	PLTC	6120020I2	0.59	300V
1-24PR#20, (EX) T/C, SP-OS	PLTC	6120020I24	0.80	300V
1-25PR#22		(BY OTHERS)		
1-50PR#22		(BY OTHERS)		
1-600PR#22		(BY OTHERS)		
1-112) FIBER OPTIC	TC	12K14-14110-00	0.47	N/A
1-124) FIBER OPTIC	TC	24K14-14110-00	0.47	N/A
1-160) FIBER OPTIC	TC	1058029063 (AT & T)	0.49	N/A

SWITCH SCHEDULE

SW. TYPE	DESCRIPTION	MANUFACTURER AND CAT NO.
SW 1	SWITCH, SINGLE POLE, 20A, 277 VAC, TOGGLE TYPE, IVORY, LIGHTED WITH GROUND SCREW, INDUSTRIAL SPECIFICATION GRADE	HUBBELL HBL1221ILCN
SW 3	SWITCH, 3-WAY, 20A, 277 VAC, TOGGLE TYPE, IVORY, LIGHTED WITH GROUND SCREW, INDUSTRIAL SPECIFICATION GRADE	HUBBELL HBL1223ILCN
SW 4	SWITCH, 4-WAY, 20A, 277 VAC, TOGGLE TYPE, IVORY, LIGHTED WITH GROUND SCREW, INDUSTRIAL SPECIFICATION GRADE	HUBBELL HBL1224ICN
D 1	DIMMER, SINGLE POLE, 1500 W, 120VAC, 60Hz PRESET (INCANDESCENT LAMPS SERVICE) WHITE SLIDE CONTROL	HUBBELL AS153

PLATE SCHEDULE

PLATE TYPE	DESCRIPTION	MANUFACTURER AND CAT NO.
P 1	SWITCH PLATE, 1-GANG, 1-TOGGLE SWITCH STANDARD SIZE, BRUSHED STAINLESS STEEL	HUBBELL S1
P 2	SWITCH PLATE, 2-GANG, 2-TOGGLE SWITCH STANDARD SIZE, BRUSHED STAINLESS STEEL	HUBBELL S2
P 3	DIMMER PLATE, LARGE KIT FOR 1500W MODEL WITH TRIMPLATE AND SLIDE, WHITE	HUBBELL AS2W
P 4	DUPLEX RECEPTACLE PLATE, 1-GANG, STANDARD SIZE BRUSHED STAINLESS STEEL	HUBBELL S82
P 5	DUPLEX RECEPTACLE PLATE, 1-GANG, STANDARD SIZE SMOOTH PLATED STEEL	HUBBELL CH82
P 6	DUPLEX RECEPTACLE PLATE, 1-GANG, STANDARD SMOOTH NYLON, IVORY (USE WITH R-4)	HUBBELL HPS11
P 7	WEATHER PROOF PLATE, DUPLEX RECEPTACLE 1-GANG, GRAY WITH ADAPTER PLATE	HUBBELL 5221 HUBBELL 7349

GENERAL NOTES:

1. MULTI-CONDUCTOR CABLES SHALL BE MOISTURE AND HEAT RESISTANT THERMOPLASTIC 75°C, SUITABLE FOR DRY AND WET LOCATIONS, INSULATION CODE THANN NO.12 AWG AND LARGE WITH GROUNDING GREEN WIRE UNLESS OTHERWISE NOTED.
2. ALL FLUORESCENT FIXTURES SHALL HAVE MAGNETIC ENERGY SAVING BALLASTS 277 VAC, WITH NORMAL LIGHT OUTPUT, RAPID-START, MAGNETIC T12, 50°F MINIMUM STARTING TEMPERATURE (UON).
3. CATALOG NUMBERS AND VENDOR DESIGNATIONS ARE FOR REFERENCE ONLY. SUBSTITUTION MAY BE MADE WITH AN EQUAL, UPON ELECTRICAL ENGINEERS APPROVAL.
4. ALL METAL HALIDE LAMPS SHALL BE PHOSPHOR-COATED.

NOTES:

1. CONTRACTOR SHALL FURNISH AND INSTALL PHOTOELECTRIC CONTROL CELL, LOCKING-TYPE, 1000-1800 W (TUNGSTEN-RATED BALLAST), 120/277 V, FISHER PIERCE MODEL NO. 7790SSS (OR EQUAL).

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	6-25-96
CHECKED	[illegible]	7-3-96
ENGINEER	[illegible]	7-3-96
PROJ	[illegible]	7/16/96

7-3-96

11-26-96

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

TITLE: ELECTRICAL SCHEDULES MATERIAL

SIZE	CONTRACT NUMBER	PROJECT NUMBER
NONE	PP150969	8094

DRAWING NUMBER: WA-E-007 (0)

LIGO-D960392-00-D

DATE: 06/27/96 TIME: 13:23:41
DESIGN FILE: I:\high site\eswa007.dgn