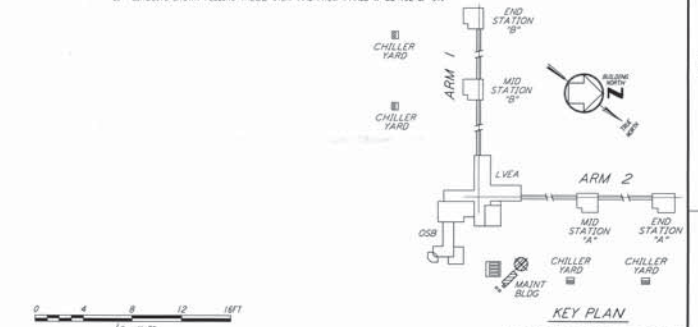
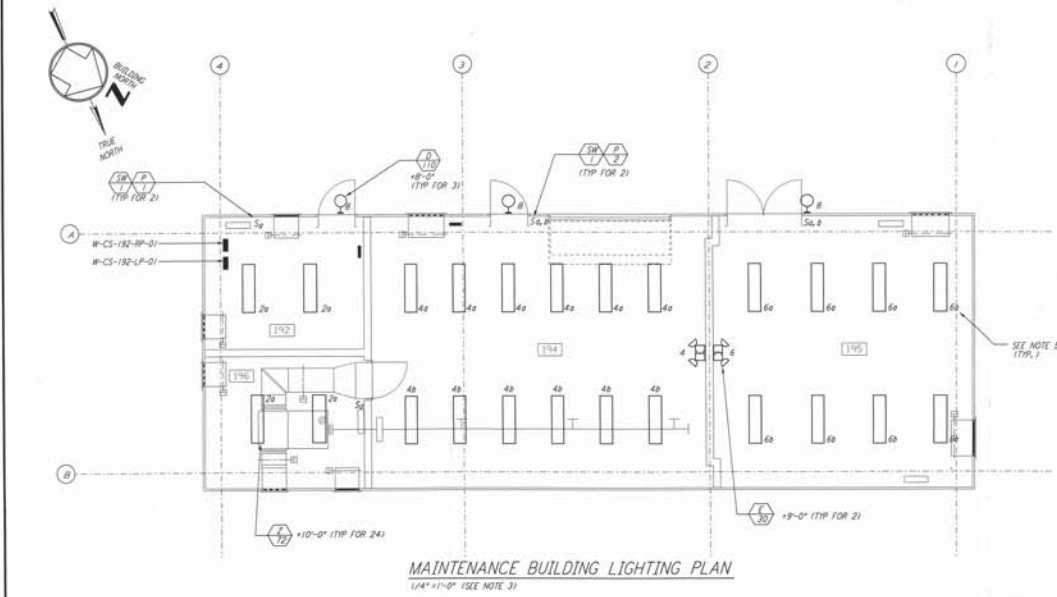


PANEL W-CS-192-RP-01		LOCATION TOP		VOLTS 208Y/120Y			
FED FROM		MOUNTING SURFACE		MAIN LUGS			
W-CS-192-RP-01		PHASE 3		FEEDER 2#(18) 1/2" GND BUS - 1000#			
LOAD SERVED	WIRE SIZE	TRIP	PHASE LOAD (VA)	VOLT APPS	TRIP	WIRE SIZE	LOAD SERVED
1 P.W. HEAT TRACE (SP)	1 1/2"	12	20	208	12	2	OUTDOOR (SP)
2 P.W. HEAT TRACE (SP)	2 1/2"	12	20	208	12	4	RECEPTS RM 192, 196
3 P.W. HEAT TRACE (SP)	3 1/2"	12	20	208	12	6	RECEPTS RM 194
4 CHILLER WARD (SP)	1 1/2"	12	20	208	12	8	RECEPTS RM 194, 196
5 SPARE	1 1/2"	12	20	208	12	10	RECEPTS RM 192
6 HY-DAY ROLL UP DOOR	1 1/2"	12	20	208	12	12	TRAC CONTROLS
TOTAL		2300	2300	1208			
TOTAL CONNECTED LOAD (VA)		1440					

PANEL W-CS-192-LP-01		LOCATION TOP		VOLTS 480Y/277Y			
FED FROM		MOUNTING SURFACE		MAIN LUGS			
W-CS-192-LP-01		PHASE 3		FEEDER 4#(1) 1/2" GND BUS - 1000#			
LOAD SERVED	WIRE SIZE	TRIP	PHASE LOAD (VA)	VOLT APPS	TRIP	WIRE SIZE	LOAD SERVED
1 W-HEATER W-CS-192-HT-01	1 1/2"	10	20	208	12	2	LIGHTING RM 192, 196
2 W-HEATER W-CS-192-HT-02	1 1/2"	10	20	208	12	4	LIGHTING RM 194
3 W-HEATER W-CS-192-HT-03	1 1/2"	10	20	208	12	6	LIGHTING RM 196
4 W-HEATER W-CS-192-HT-04	1 1/2"	10	20	208	12	8	LIGHTING OUTSIDE
5 W-HEATER W-CS-192-HT-05	1 1/2"	10	20	208	12	10	EMERGENCY LIGHTING
6 W-HEATER W-CS-192-HT-06	1 1/2"	10	20	208	12	12	HEATER W-CS-192-HT-04
7 W-HEATER W-CS-192-HT-07	1 1/2"	10	20	208	12	14	HEATER W-CS-192-HT-04
8 W-HEATER W-CS-192-HT-08	1 1/2"	10	20	208	12	16	SPARE
9 W-HEATER W-CS-192-HT-09	1 1/2"	10	20	208	12	18	SPARE
10 W-HEATER W-CS-192-HT-10	1 1/2"	10	20	208	12	20	SPARE
11 W-HEATER W-CS-192-HT-11	1 1/2"	10	20	208	12	22	SPARE
12 W-HEATER W-CS-192-HT-12	1 1/2"	10	20	208	12	24	SPARE
13 W-HEATER W-CS-192-HT-13	1 1/2"	10	20	208	12	26	SPARE
14 W-HEATER W-CS-192-HT-14	1 1/2"	10	20	208	12	28	SPARE
15 W-HEATER W-CS-192-HT-15	1 1/2"	10	20	208	12	30	SPARE
16 W-HEATER W-CS-192-HT-16	1 1/2"	10	20	208	12	32	SPARE
17 W-HEATER W-CS-192-HT-17	1 1/2"	10	20	208	12	34	SPARE
18 W-HEATER W-CS-192-HT-18	1 1/2"	10	20	208	12	36	SPARE
19 W-HEATER W-CS-192-HT-19	1 1/2"	10	20	208	12	38	SPARE
20 W-HEATER W-CS-192-HT-20	1 1/2"	10	20	208	12	40	SPARE
21 W-HEATER W-CS-192-HT-21	1 1/2"	10	20	208	12	42	SPARE
22 W-HEATER W-CS-192-HT-22	1 1/2"	10	20	208	12	44	SPARE
23 W-HEATER W-CS-192-HT-23	1 1/2"	10	20	208	12	46	SPARE
24 W-HEATER W-CS-192-HT-24	1 1/2"	10	20	208	12	48	SPARE
25 W-HEATER W-CS-192-HT-25	1 1/2"	10	20	208	12	50	SPARE
26 W-HEATER W-CS-192-HT-26	1 1/2"	10	20	208	12	52	SPARE
27 W-HEATER W-CS-192-HT-27	1 1/2"	10	20	208	12	54	SPARE
28 W-HEATER W-CS-192-HT-28	1 1/2"	10	20	208	12	56	SPARE
29 W-HEATER W-CS-192-HT-29	1 1/2"	10	20	208	12	58	SPARE
30 W-HEATER W-CS-192-HT-30	1 1/2"	10	20	208	12	60	SPARE
TOTAL		18224	18224	11102			
TOTAL CONNECTED LOAD (VA)		31936					

- NOTES:**
- FOR GENERAL NOTES AND REFERENCE DWG SEE WA-E-103.
  - PANEL W-CS-192-RP-01 SHALL BE SQUARE D CLASS 7400 MINI-POWER-ZONE INTEGRAL TSXVA 3P TRANSFORMER, 12-POLE, TYPE OOB BREAKERS.
  - ALL CIRCUITS SHOWN ON THE LIGHTING PLAN ARE FROM PANEL W-CS-192-LP-01.
  - ALL CIRCUITS SHOWN ON THE POWER PLAN ARE FROM PANEL W-CS-192-RP-01 UNLESS OTHERWISE NOTED.
  - CIRCUITS SHOWN FEEDING THESE ITEM ARE FROM PANEL W-CS-192-LP-01.



NO.	DATE	BY	ENGR	PROJ	DESCRIPTION
1	6-15-98	J.G.			ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION  
 DRAWN M.M. 6-25-98  
 CHECKED J.R. 7-3-98  
 ENGINEER K.R. 7-3-98  
 PROJ. M.D.W. 7-8-98

**AS-BUILT DRAWINGS**

**PARSONS**

100 WEST WALNUT STREET  
 PASADENA, CALIFORNIA

**LIGO**

CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LASER INTERFEROMETER  
 GRATINGS-INTERFEROMETER  
 SITE NO. 1 - HANFORD, WASHINGTON

**ELECTRICAL CORNER STATION  
 CHILLER PLANT & MAINT BLDG POWER & LIGHTING PLANS**

AS NOTED PPI50969 8094  
**WA-E-113**

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