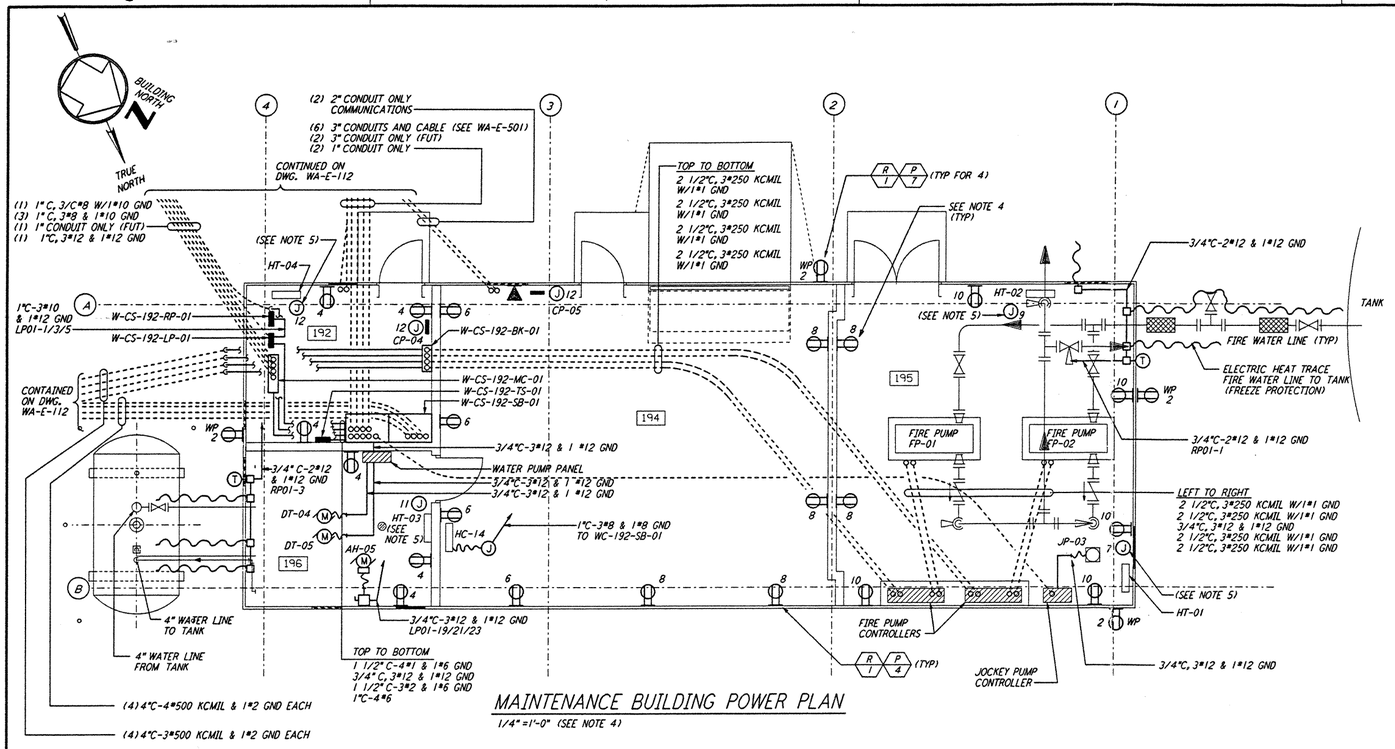
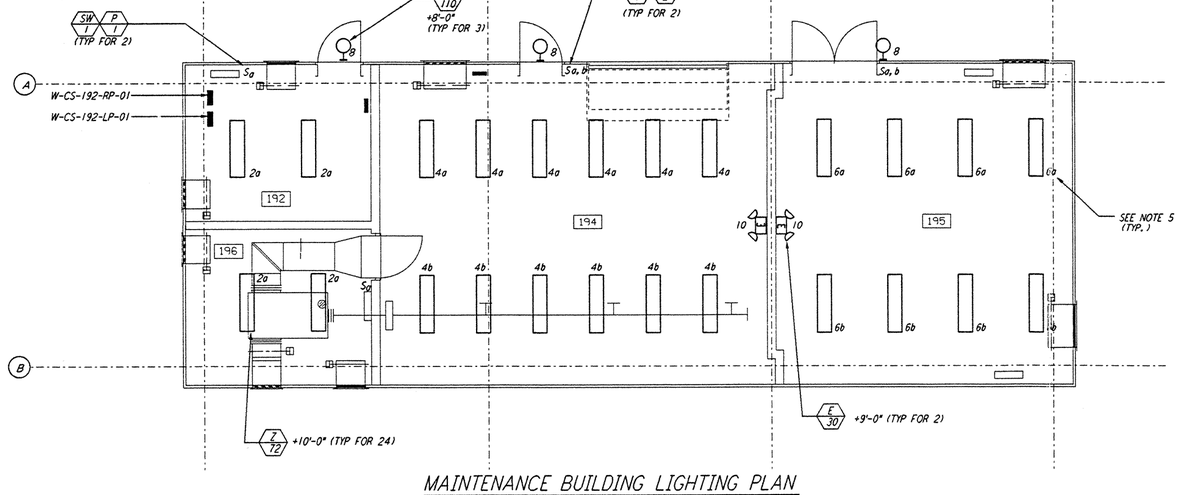
This document and the design it covers are the property of **PARSONS**. They are loaned only with the borrower's expressed written agreement that they will not be reproduced, copied, loaned, exhibited, or used in any other way, except by written consent from **PARSONS** to the borrower.

DATE: 06/27:96 TIME: 14:21:17
DESIGN FILE: I:\ligo\site\ee\wae113.d3z



MAINTENANCE BUILDING POWER PLAN

1/4" = 1'-0" (SEE NOTE 4)



MAINTENANCE BUILDING LIGHTING PLAN

1/4" = 1'-0" (SEE NOTE 3)

PANEL W-CS-192-RP-01 | LOCATION TOP | VOLTS 208Y/120V
FED FROM W-CS-192-LP-01 | CKT * 1,3,5 | MOUNTING SURFACE | MAIN
PHASE 3 WIRE 3 FEEDER 3#10&1#12 GND BUS 100A

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	F. W. HEAT TRACE (GFI)	1	1	12	20		500 720							2	OUTDOOR (GFI)	2
3	P. W. HEAT TRACE (GFI)	3	1	12	20			200 1080						4	RECEPTS RM 192,196	4
5	SPARE	5	1	-	20				720					6	RECEPTS RM 194	6
7	SPARE	7	2	-	20		1080							8	RECEPTS RM 194,195	8
9		9	-	-	-			900						10	RECEPTS RM 195	10
11	SPACE	11							280					12	HVAC CONTROLS	12
		13												14		
		15												16		
		17												18		
		19												20		
		21												22		
		23												24		
		25												26		
		27												28		
		29												30		
		31												32		
		33												34		
		35												36		
		37												38		
		39												40		
		41												42		
						TOTAL	2300	2180	920							
						TOTAL CONNECTED LOAD (VA)	5400									
						(AMPS)										

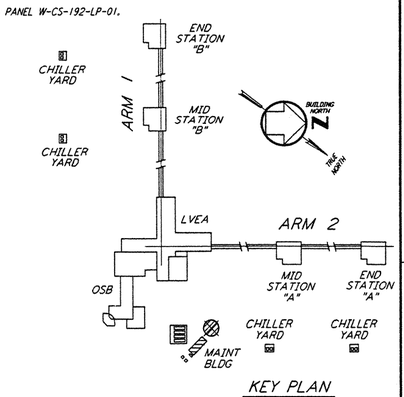
NOTE 2

PANEL W-CS-192-LP-01 | LOCATION TOP | VOLTS 480Y/277V
FED FROM W-CS-192-SB-01 | CKT * TBD | MOUNTING SURFACE | MAIN LUGS
PHASE 3 WIRE 4 FEEDER 4#1 & 1#6 GND BUS 100A

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	TRIP	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	TRIP	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	W-CS-192-RP-01	1	3	10	30		5000 289				20	12	1	2	LIGHTING RM 192,196	2
3		-	-	-	-			5000 864			20	12	1	4	LIGHTING RM 194	4
5		-	-	-	-				5000 576		20	12	1	6	LIGHTING RM 195	6
7	HEATER W-CS-195-HT-01	7			30		2000 720				20	12	1	8	LIGHTING OUTSIDE	8
9	HEATER W-CS-195-HT-02	9			-			2000 60			20	12	1	10	EMERGENCY LIGHTING	10
11	HEATER W-CS-196-HT-03	11			-				1500 1500		20	12	1	12	HEATER W-CS-196-HT-04	12
13	DOSING PUMP	13	3		15		2106				20		1	14	SPARE	14
15		-	-	-	-			2106			20		1	16	SPARE	16
17		-	-	-	-				2106		20		1	18	SPARE	18
19	W-CS-191-AH-05	19	3	12	20		500							20	SPACE	20
21	W-CS-191-AH-05	21	-	-	-			500						22	SPACE	22
23	W-CS-191-AH-05	23	-	-	-				500					24	SPACE	24
		25												26		
		27												28		
		29												30		
		31												32		
		33												34		
		35												36		
		37												38		
		39												40		
		41												42		
						TOTAL	10224	10530	11182							
						TOTAL CONNECTED LOAD (VA)	31936									
						(AMPS)										

NOTES:

1. FOR GENERAL NOTES AND REFERENCE DWG SEE WA-E-103.
2. PANEL W-CS-192-RP-01 SHALL BE SQUARE D CLASS T400 MINI-POWER-ZONE. INTEGRAL 15KVA 3Ø TRANSFORMER, 12-POLE, TYPE QOB BREAKERS.
3. ALL CIRCUITS SHOWN ON THE LIGHTING PLAN ARE FROM PANEL W-CS-192-LP-01.
4. ALL CIRCUITS SHOWN ON THE POWER PLAN ARE FROM PANEL W-CS-192-RP-01 UNLESS OTHERWISE NOTED.
5. CIRCUITS SHOWN FEEDING THESE ITEM ARE FROM PANEL W-CS-192-LP-01.



KEY PLAN

0 4 8 12 16FT
1" = 1'-0"

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION

ISSUED FOR CONSTRUCTION		
DRAWN	M. M.	6-25-96
CHECKED	PL	7-3-96
ENGINEER	[illegible]	7-3-96
PROJ	[illegible]	7/2/96

REGISTERED PROFESSIONAL ENGINEER — No. E-11-25-96 — EXPIRES 11-25-96

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 CHILLER PLANT & MAINT BLDG POWER & LIGHTING PLANS

SCALE	CONTRACT NUMBER	PROJECT NUMBER
AS NOTED	PP150969	8094

SHEET NUMBER: WA-E-113 REVISIONS: 1

LIGO-D960402-00-O

LIGOWAF3.BDR

Thu Jun 27 14:21:17 1996 I:\ligo\site\ee\wae113.d3z JAVTLUI3\WAEUE3\1JOBZ\CE1JJAFP 7.90E-5 S DELI #CHI41 7 JUN 96