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DATE: 10/22/96 TIME: 16:22:18
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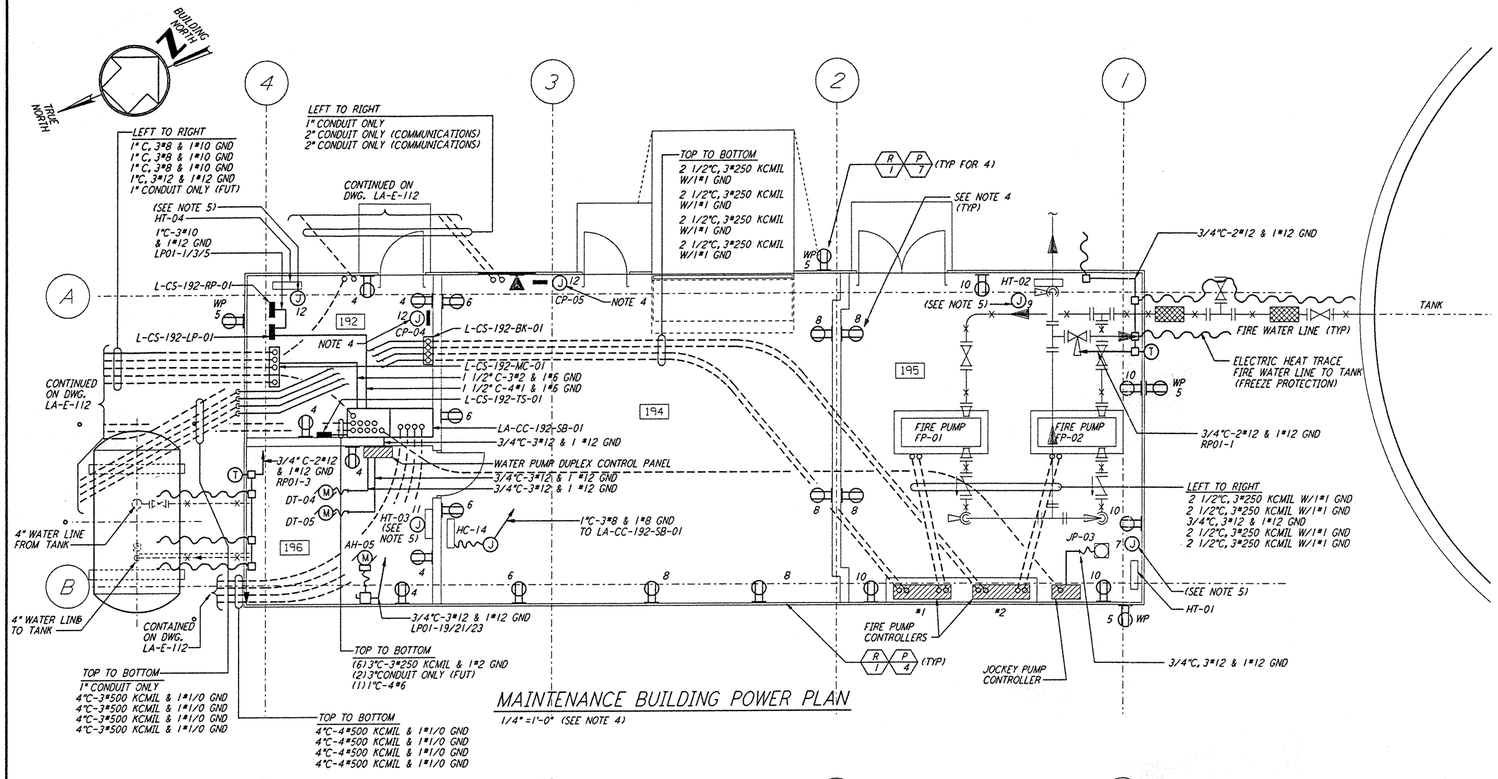
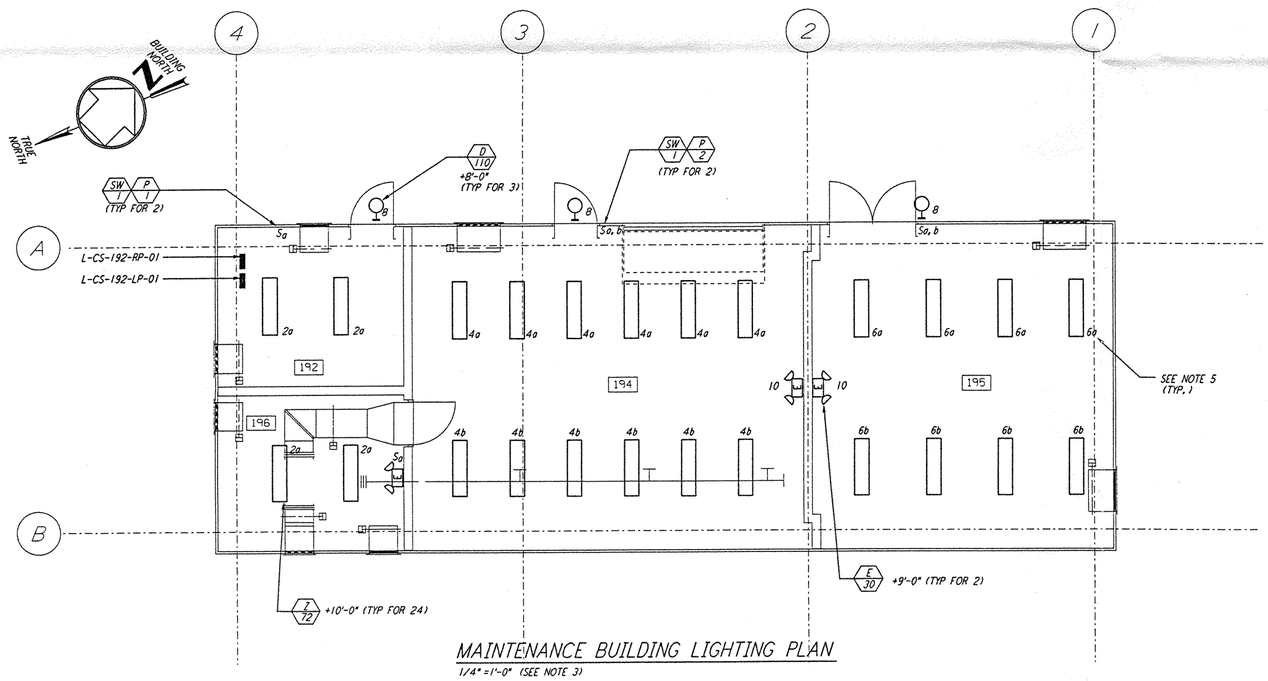


MAINTENANCE BUILDING POWER PLAN

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



MAINTENANCE BUILDING LIGHTING PLAN

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

PANEL L-CS-192-RP-01 — LOCATION TOP — MOUNTING SURFACE — VOLTS 208Y/120V — MAIN — PHASE 3 — WIRE 3 — FEEDER — BUS 100A
FED FROM: L-CS-192-LP-01, CKT # 1,3,5

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	F. W. HEAT TRACE (GFCI)	1	1		20	500	500				20		1	2	SPARE	2
3	P. W. HEAT TRACE (GFCI)	3	1		20	200		200 1000		1000	20		1	4	RECEPTS RM 192,196	4
5	RECEPTS OUTSIDE (GFCI)	5	1		20	720			720 720	720	20		1	6	RECEPTS RM 194	6
7	SPARE	7	2		20		1080			1080	20		1	8	RECEPTS RM 194,195	8
9		9	-		-			900		900	20		1	10	RECEPTS RM 195	10
11	SPACE	11							200	200	15		1	12	HVAC CONTROLS CP04,CP05	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	1580	2180	1640							

TOTAL CONNECTED LOAD (VA) 5400
(AMPS)
NOTE 2

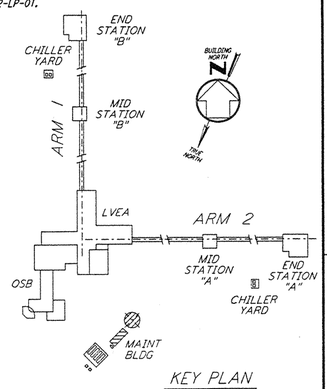
PANEL L-CS-192-LP-01 — LOCATION TOP — MOUNTING SURFACE — VOLTS 480Y/277V — MAIN LUGS — PHASE 3 — WIRE 4 — FEEDER 4*1 & 1*6 GND BUS 100A
FED FROM: L-CS-192-SB-01, CKT # TBD

CKT	LOAD SERVED	SLOT	POLES	WIRE SIZE	BKR	VOLT AMPS	PHASE LOAD (VA) A	B	C	VOLT AMPS	BKR	WIRE SIZE	POLES	SLOT	LOAD SERVED	CKT
1	L-CS-192-RP-01	1	3		30	15000	5000 288			288	15		1	2	LIGHTING RM 192,196	2
3		-	-		-			5000 864		864	15		1	4	LIGHTING RM 194	4
5		-	-		-				5000 576	576	15		1	6	LIGHTING RM 195	6
7	HEATER L-CS-195-HT-01	7	1		15	1500	1500 330			330	15		1	8	LIGHTING OUTSIDE	8
9	HEATER L-CS-195-HT-02	9	1		15	1500		1500 60		60	15		1	10	EMERGENCY LIGHTING	10
11	HEATER L-CS-196-HT-03	11	1		15	1500			1500 1500	1500	15		1	12	HEATER L-CS-196-HT-04	12
13	SPARE	13	3		15						15		1	14	SPARE	14
15		-	-		-						15		1	16	SPARE	16
17		-	-		-						15		1	18	SPARE	18
19	L-CS-191-AH-05	19	3		20	1500	500							20	SPACE	20
21		21	-		-			500						22	SPACE	22
23		23	-		-				500					24	SPACE	24
		25												26		
		27												28		
		29												30		
		31												32		
		33												34		
		35												36		
		37												38		
		39												40		
		41												42		
						TOTAL	7618	7924	9076							

TOTAL CONNECTED LOAD (VA) 24618
(AMPS)

NOTES:

1. FOR GENERAL NOTES AND REFERENCE DWG SEE LA-E-103.
2. PANEL L-CS-192-RP-01 SHALL BE SQUARE D CLASS T400 MINI-POWER-ZONE. INTEGRAL 15KVA 30 TRANSFORMER, 12-POLE, TYPE QOB BREAKERS.
3. ALL LIGHTING CIRCUITS SHOWN ON THE LIGHTING PLAN ARE FROM PANEL L-CS-192-LP-01.
4. ALL RECEPTACLE CIRCUITS SHOWN ON THE POWER PLAN ARE FROM PANEL L-CS-192-RP-01 UNLESS OTHERWISE NOTED.
5. CIRCUITS SHOWN FEEDING THESE ITEM ARE FROM PANEL L-CS-192-LP-01.



KEY PLAN

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

REFERENCES

DRAWING NO.	DESCRIPTION

REVISIONS

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
0						ISSUED FOR CONSTRUCTION

DRAWN	M. M.	11-15-96
CHECKED	JCL	7-24-96
ENGINEER	KCK	10-25-96
PROJ		11/15/96

STATE OF LOUISIANA — KAI C. K. HSIUNG — REG. No. 26704 — PROFESSIONAL ELECTRICAL ENGINEER — IN
25 oct 96

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LASER INTERFEROMETER GRAVITATIONAL-WAVE OBSERVATORY
SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE: ELECTRICAL CORNER STATION CHILLER PLANT & MAINT BLDG POWER & LIGHTING PLANS

SCALE	CONTRACT NUMBER	PROJECT NUMBER
AS NOTED	PP150969	8094

SHEET NUMBER: LA-E-113
REVISIONS: 0

LIGO-D961015-00-D
LIGOLAF3.BOR

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