M1 PANELBOARD

MOUNTING: FLUSH
LOCATION: ELECTRICAL ROOM 1067

480Y/277V, 3Ø, 4W
250 M.C.B
42,000 AIC
GROUND BUS

	DESCRIPTION	WIRE	BRKR	PL	KVA A	KVA B	KVA C	PL	BRKR	WIRE	DESCRIPTION	
1	RTU 5	10	20	3	2.84	3.27		3	20	10	RTU 27	2
3						2.84	3.27					4
5							2.84	3.27				6
7	RTU 7	8	30	3	6.19	12.48		3	60	6	RTU 16	8
9						6.19	12.48					10
11							6.19	12.48				12
13	RTU 22	10	20	3	3.45	3.45		3	20	10	RTU 26	14
15						3.45	3.45					16
17							3.45	3.45				18
19	SPARE			3				3			SPARE	20
21												22
23												24
25	SPACE										SPACE	26
27												28
29												30
31	SPACE										SPACE	32
33												34
35												36
37	SPACE										SPACE	38
39												40
41												42
				TOTAL	31.68	31.68	31.68	KVA				
	PER NEC ARTICLE 220				115	115	115	AMPS				
				TOTAL LOAD	95.04	KVA	115	AMPS				
				FEEDER LOAD	95.04	KVA	115	AMPS				

M2 PANELBOARD

MOUNTING: FLUSH
LOCATION: BACK WALL

EXISTING

480Y/277V, 3Ø, 4W
250 M.C.B
42,000 AIC
GROUND BUS

	DESCRIPTION	WIRE	BRKR	PL	KVA A	KVA B	KVA C	PL	BRKR	WIRE	DESCRIPTION	
1	EXISTING RTU			3				3			EXISTING RTU	2
3												4
5												6
7	EXISTING RTU			3				3			EXISTING RTU	8
9												10
11												12
13	EXISTING RTU			3				3			EXISTING RTU	14
15												16
17												18
19	EXISTING RTU			3				3			EXISTING RTU	20
21												22
23												24
25	EXISTING RTU			3				3			EXISTING RTU	26
27												28
29												30
31	EXISTING RTU			3				3			EXISTING RTU	32
33												34
35												36
37	EXISTING RTU			3				3			EXISTING RTU	38
39												40
41												42
				TOTAL				KVA				
	PER NEC ARTICLE 220							AMPS				
				TOTAL LOAD		KVA		AMPS				
				FEEDER LOAD		KVA		AMPS				

M3 PANELBOARD

MOUNTING: SURFACE
LOCATION: ELECTRICAL ROOM 1066

EXISTING

480Y/277V, 3Ø, 4W
400 M.C.B.
42,000 AIC
GROUND BUS

	DESCRIPTION	WIRE	BRKR	PL	KVA A	KVA B	KVA C	PL	BRKR	WIRE	DESCRIPTION	
1	EXISTING RTU			3				3			EXISTING RTU	2
3												4
5												6
7	EXISTING RTU			3				3			EXISTING RTU	8
9												10
11												12
13	EXISTING RTU			3				3			EXISTING RTU	14
15												16
17												18
19	EXISTING RTU			3				3			EXISTING RTU	20
21												22
23												24
25	EXISTING RTU			3				3			EXISTING RTU	26
27												28
29												30
31	EXISTING RTU			3				3			EXISTING RTU	32
33												34
35												36
37	EXISTING RTU			3				3			EXISTING RTU	38
39												40
41												42
				TOTAL				KVA				
	PER NEC ARTICLE 220							AMPS				
				TOTAL LOAD		KVA		AMPS				
				FEEDER LOAD		KVA		AMPS				

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG NUMBER	VOLT	WATT	QTY	LAMP	MOUNTING	DESCRIPTION	NOTES
A3	WILLIAMS	BLG-D24-332-W28ABE-EB2-120	120	96	3	F32T8	RECESSED	16 CELL PARABOLIC FLUORESCENT	1,2
A	LSI INDUSTRIES	LSP-12-3-32-S-120	120	288	9	F32T8	SUSPENDED	LINIARC T8 PERF HOUSING	1,4
B	LSI INDUSTRIES	G -A-3-32-SD-SSOHL-120	120	96	1	F32T8	RECESSED	T8 TROFFER	1
C	LSI INDUSTRIES	206H CFL-1-32T-120-DB	120	32	1	32 T CF	RECESSED	CAN LIGHT COMPACT FLUORESCENT	1
C1	LSI INDUSTRIES	206V -1-1-75	120	75	1	75 WATT PAR 30	RECESSED	CAN LIGHT INCANDESCENT	1
D	LSI INDUSTRIES	F9-4-32-A-SSOHL-120	120	128	4	32 WATT T8	SUSPENDED	SUSPENDED FIXTURE WRAP AROUND	1,4
F	LSI INDUSTRIES	F23-3-32-SSO-120-IWGF232	120	96	3	32 WATT T8	SUSPENDED	TURRET SUSPENDED FIXTURE	1,3
XE	LSI INDUSTRIES	EPC-R-U-W-W-EL55HSD2	120	10	2	5 WATT	WALL / CEILING MOUNT	EXIST / EMERGENCY FIXTURE	1,2
X	LSI INDUSTRIES	EX-R-U-WB-WH-SD2-R12	120	10	1	12 WATT	WALL / CEILING MOUNT	EXIST SIGN	1,2
EM	LSI INDUSTRIES	HEM-6-27-S-WH-SD2	120	27	1	27 WATT	WALL / CEILING MOUNT	EMERGENCY SIGN	1,2

NOTES:
1. CONTRACTOR SHALL COORDINATE THE COLOR AND ADDITIONAL ACCESSORIES WITH ARCHITECT.
2. PROVIDE A 90 MINUITS EMERGENCY BATTERY BACKUP IN ALL FIXTURES LABELED WITH "EM" ON THE LIGHTING PLAN.
3. FIXTURE SHALL BE U.L. LISTED AND LABELED FOR WET/DAMP LOCATIONS.
4. PROVIDE SUSPENDED ACCESSORIES AND CHAIN HANGERS.

ELECTRICAL SERVICE ENTRANCE COORDINATION

SERVICE REQUIRED: 208/120 & 480/277V, THREE PHASE.
SERVICE TO BUILDING ROUTED: UNDERGROUND FROM THREE DIFFERENT SERVICES
AVAILABLE FAULT CURRENT:
METERING LOCATION: MULTIPLE TENANT METERS

UTILITY COMPANY: AEP-PSO
NAME OF CONTACT: JASON CREEL
TELEPHONE: 918-599-6518

ITEMS		CONTRACTOR FURNISHED BY	CONTRACTOR INSTALLED BY	UTILITY COMPANY FURNISHED BY	UTILITY COMPANY INSTALLED BY
PRIMARY CONDUCTORS	EXISTING				
PRIMARY TERMINATIONS	EXISTING				
PRIMARY CONDUIT(S)	EXISTING				
PRIMARY TRENCH/BACKFILL	EXISTING				
TRANSFORMER (PAD MOUNTED)	EXISTING				
TRANSFORMER PAD	EXISTING				
SECONDARY CONDUCTORS	EXISTING				
SECONDARY TERMINATIONS @ TRANSFORMER	EXISTING				
SECONDARY TERMINATIONS @ SERVICE ENTRANCE	EXISTING				
SECONDARY CONDUIT(S)	EXISTING				
SECONDARY TRENCH/BACKFILL	EXISTING				
CT CABINET	EXISTING				
METERING CT'S				X	X
METER BASE			X	X	
METER				X	X

CONTRACTOR SHALL COORDINATE ALL UTILITY REQUIREMENTS WITH UTILITY COMPANY PRIOR TO BID. FURNISH AND/OR INSTALL ALL MATERIAL AND FURNISH ALL LABOR NECESSARY TO COMPLY WITH UTILITY REQUIREMENTS FOR THE UTILITY PRIMARY, SECONDARY AND METERING.

PANELBOARD NOTES (X)

1. BREAKER SHALL BE EQUIPPED WITH HANDLE LOCK-ON/LOCK-OFF DEVICE (LOCK-ON).
2. TERMINATE GROUND AT ISOLATED GROUND BUS.
3. CIRCUIT SHALL BE ROUTED THROUGH CONTACTOR. REFER TO CONTROL DIAGRAM FOR CONTROL WIRING.
4. REFER TO ONE-LINE DIAGRAM FOR WIRE SIZE.

A1 PANEL BOARD
NTS

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CA #2940
EXP 06-30-11

CHEROKEE NATION. Entertainment

CNE INTERCHANGE
PARK TENANT IMPROVEMENT

10838 EAST MARSHALL STREET,
TULSA, OKLAHOMA 74116

ISSUE 01
ISSUE DATE 11.05.10
PROJECT NO. R10.053
DRAWN BY VS/ODM
CHECKED BY BRS
SHEET TITLE

REGISTERED PROFESSIONAL ENGINEER
BRIAN R. SZELA
22813
OKLAHOMA
11-4-10

E502

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