

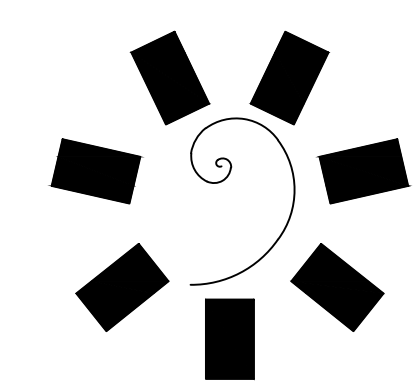
DRAWING INDEX

SHEET NUMBER	SHEET TITLE	BID PACKAGE 02 (100% SET) DATE: 03/27/18	BID PACKAGE 05 DATE: 05/03/18	APPENDIX #10 DATE: 05/22/18	***	***
E0.0	SYMBOL LIST					
E0.1	GENERAL NOTES					
E0.2	SINGLE LINE AND FOOD SERVICE SYSTEM NOTES					
E0.3	SCHEDULES					
E0.4	ELECTRICAL DIAGRAM					
E0.10	SINGLE LINE DIAGRAM - MAIN SERVICE SWITCHBOARD 'TCMSA'					
E0.11	PARTIAL SINGLE LINE DIAGRAM					
E0.12	SINGLE LINE DIAGRAM - MAIN SERVICE SWITCHBOARD 'TCMSB'					
E0.13	PARTIAL SINGLE LINE DIAGRAM					
E0.14	PARTIAL SINGLE LINE DIAGRAM					
E0.20	PANEL SCHEDULES					
E0.21	PANEL SCHEDULES					
E0.22	PANEL SCHEDULES					
E0.23	PANEL SCHEDULES					
E0.24	PANEL SCHEDULES					
E0.25	PANEL SCHEDULES					
E0.26	PANEL SCHEDULES					
E0.30	DIMMER SCHEDULES					
E0.31	DIMMER SCHEDULES					
E0.40	LIGHTING FIXTURE SCHEDULE					
E0.41	LIGHTING FIXTURE SCHEDULE					
ES1.0	ELECTRICAL SITE PLAN					
ES1.0A	ELECTRICAL SITE PLAN - CCTV INFRASTRUCTURE					
E1.0	ELECTRICAL OVERVIEW PLAN					
E1.1	ENLARGED POWER PLAN - GAMING					
E1.1M	ENLARGED MECHANICAL POWER PLAN - GAMING					
E1.1A	ENLARGED POWER PLAN - EAST					
E1.1AM	ENLARGED MECHANICAL POWER PLAN - EAST					
E1.2	ENLARGED POWER PLAN - SOUTH					
E1.2M	ENLARGED MECHANICAL POWER PLAN - SOUTH					
E1.3	ENLARGED POWER PLAN - BOH					
E1.3M	ENLARGED MECHANICAL POWER PLAN - BOH					
E1.4	ENLARGED POWER PLAN - BANQUET BOH					
E1.5	ENLARGED POWER PLAN - NORTH					
E1.5M	ENLARGED MECHANICAL POWER PLAN - NORTH					
E1.6	POWER PLAN - ROOF					
E3.1	ENLARGED ELECTRICAL ROOM PLAN					
E3.2	ENLARGED ELECTRICAL ROOM PLANS					
E3.3	ENLARGED PLANS					
E6.1	ENLARGED LIGHTING PLAN - GAMING					
E6.1A	ENLARGED LIGHTING PLAN - EAST					
E6.2	ENLARGED LIGHTING PLAN - SOUTH					
E6.3	ENLARGED LIGHTING PLAN - BOH					
E6.4	ENLARGED LIGHTING PLAN - BANQUET BOH					
E6.5	ENLARGED LIGHTING PLAN - NORTH					
E7.1	ENLARGED EXTERIOR LIGHTING PLAN					
E7.2	ENLARGED EXTERIOR LIGHTING PLAN					
E7.3	ENLARGED EXTERIOR LIGHTING PLAN					
E7.4	ENLARGED EXTERIOR LIGHTING PLAN					
E7.5	ENLARGED EXTERIOR LIGHTING PLAN					
E7.6	ENLARGED EXTERIOR LIGHTING PLAN					
E7.7	ELECTRICAL ELEVATION WEST					
E7.8	ELECTRICAL ELEVATIONS NORTH AND SOUTH					
EFS120	FOODSERVICE ELECTRICAL CONNECTION PLAN					
EFS121	FOODSERVICE ELECTRICAL CONNECTION PLAN					
EFS122	FOODSERVICE ELECTRICAL CONNECTION PLAN					
EFS123	FOODSERVICE ELECTRICAL CONNECTION PLAN					
EFS124	FOODSERVICE ELECTRICAL CONNECTION PLAN					
	TOTAL	20	56	35		

ELECTRICAL SYMBOL LIST

NOTE: THIS IS A MASTER SCHEDULE. NOT ALL SYMBOLS AND/OR ABBREVIATIONS CONTAINED HEREIN MAY APPEAR ON THE DRAWINGS.

	FLUORESCENT FIXTURE - RECESSED, LAY-IN FLUORESCENT FIXTURE - RECESSED, FLANGED FLUORESCENT FIXTURE - SURFACE FLUORESCENT FIXTURE - SUSPENDED FLUORESCENT FIXTURE - OPEN STRIP WITH WIRE GUARD FLUORESCENT FIXTURE - WALL MOUNTED		SWITCHGEAR PANELBOARD - SURFACE MOUNTED PANELBOARD - FLUSH MOUNTED EXISTING / RELOCATED PANELBOARD - SURFACE MOUNTED EXISTING / RELOCATED PANELBOARD - FLUSH MOUNTED TRANSFORMER
	INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - SURFACE OR RECESSED, PER FIXTURE SCHEDULE INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - WALL BRACKET INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - WALL WASH LOW VOLTAGE INCANDESCENT FIXTURE CHANDELIER (PROVIDE 5X STRUCTURAL BACKING) FAN (PROVIDE 5X STRUCTURAL BACKING) SPOTLIGHT - J-BOX OR TRACK MOUNTED - TRACK LENGTH AS INDICATED		ENCLOSED CIRCUIT BREAKER FIRE ALARM EQUIPMENT COMBINATION FIRE/SMOKE DAMPER SMOKE DAMPER SHUNT TRIP STATION CONTROL STATION AT +48" TO TOP UON (PER ADA) RELAY CONTACTOR WITH INTEGRAL HOA SELECTOR MAGNETIC STARTER, SIZE 1 UON
	STEP LIGHT - SURFACE OR RECESSED, PER FIXTURE SCHEDULE BOLLARD POLE OR POST - ARM OR TOP MOUNTED CUT-OFF LUMINAIRE TWIN-LAMP BATTERY PACK - UNSWITCHED, WALL MOUNTED (LOCATE 12" BELOW CEILING U.O.N.) TWIN-LAMP BATTERY PACK - UNSWITCHED, CEILING MOUNTED, FLUSH OR SURFACE PER FIXTURE SCHEDULE		DISCONNECT SWITCH: 30/3 UON (F=FUSIBLE (FPEN), N=NONFUSED) COMBINATION STARTER & DISCONNECT: SIZE 1 UON VARIABLE FREQUENCY DRIVE SINGLE-PHASE MOTOR CONTROL ASSEMBLY: HP-RATED SWITCH AND POWER RELAY-20/1 (U.O.N.) PULLBOX - SIZE AND LOCATION AS REQUIRED JUNCTION BOX - SIZE PER NEC REQUIREMENTS MECHANICAL EQUIPMENT DESIGNATION
	EXIT LIGHT - FACES AND ARROWS AS INDICATED, UNIVERSAL MOUNTING, UNSWITCHED EXIT LIGHT - COMBINATION SINGLE FACE. ARROWS AS INDICATED WITH TWIN LAMP BATTERY PACK, UNIVERSAL MOUNTING, UNSWITCHED. EXIT LIGHT - LOW LEVEL: 6" - 8" A.F.F. TO BOTTOM, 4" MAX. OFF DOOR FRAME		MOTOR OUTLET LIGHTING FIXTURE DESIGNATION: TYPE F1, 120 WATTS QUANTITY = 3
	LOW VOLTAGE NEON		EQUIPMENT LOAD - SUMMARY (EXPRESSED IN KVA AND AMPS) C = CONNECTED LOAD D = DEMAND LOAD S = STANDBY LOAD
	FIXTURE, EQUIPMENT ON EMERGENCY SWITCHES AT +48" TO TOP UON (PER ADA) SWITCH - SINGLE POLE SWITCH - THREE WAY SWITCH - OCCUPANCY TYPE SWITCH - EMERGENCY SWITCH - PILOT TOGGLE (CONFIRM LIGHTED POSITION) SWITCH - KEYED OPERATED SWITCH - SLIDER TYPE ELECTRONIC DIMMER (WATTAGE RATING AS REQUIRED) SWITCH - MOMENTARY CONTACT: SPDT CENTER OFF UON MANUAL MOTOR STARTER - POLES AND HEATERS AS REQUIRED		SHEET NOTE DESIGNATION FEEDER DESIGNATION (SEE FEEDER SCHEDULE) CIRCUITING IN WALL OR ABOVE CEILING CIRCUITING IN FLOOR OR BELOW GRADE TICS = NO. OF #12 WIRES IF MORE THAN TWO: A-1,3,5 HOMERUN: (4) #12, 3/4"C. TO PANEL A - CIR. 1,3,5
	PHOTOELECTRIC SWITCH - 1500 VA UON SIGNAGE OUTLET CONNECTION DEVICES AT +18" TO CENTER LINE UON (PER ADA) DEVICES MOUNTED IN MULTIPLE UNDER COMMON COVER MAXIMUM HEIGHT ON WALLS = +48" TO TOP UON (PER ADA) DEVICES MOUNTED IN OR ABOVE BACKSPLASH: MAXIMUM HEIGHT ON WALLS = +48" TO TOP UON (PER ADA) DEVICES IN MULTI-COMPARTMENT FLUSH FLOOR MOUNTED UON		STUB-OUT COPPER GROUND (SIZE PER PLANS) MOISTURE SEAL-OFF 30/3 30 AMP / 3 POLE (REPRESENTATIVE) AL ALUMINUM AFF ABOVE FINISHED FLOOR AFG ABOVE FINISHED GRADE AIC AMP INTERRUPTING CURRENT ATS AUTOMATIC TRANSFER SWITCH BKBD BACKBOARD C CONDUIT (WITH PULL CORD IF OTHERWISE EMPTY) CU COPPER (E) EXISTING TO REMAIN F FUSE (DUAL-ELEMENT, TIME DELAY) FBO FURNISHED BY OTHERS FPEN FUSE PER EQUIPMENT NAMEPLATE GFCI GROUND FAULT CIRCUIT INTERRUPTER GND GROUND HOA HAND-OFF-AUTOMATIC HP HORSEPOWER IG ISOLATED GROUND K KCMIL (300 KCMIL = 300K) NF NON-FUSED NIC NOT IN CONTRACT NL NIGHT LIGHT NTS NOT TO SCALE (R) EXISTING TO BE RELOCATED RGS RIGID GALVANIZED STEEL TVSS TRANSIENT VOLTAGE SURGE SUPPRESSION UNSW UNSWITCHED UPS UNINTERRUPTIBLE POWER SUPPLY UON UNLESS OTHERWISE NOTED WP WEATHER PROOF (NEMA 3R) (X) EXISTING TO BE REMOVED XFMR TRANSFORMER
	PLUG MOLD SURFACE RACEWAY SYSTEM (2-CIRCUIT WITH OUTLETS 18" O.C. U.O.N.) MOUNTED ABOVE BACKSPLASH U.O.N. TELEPOWER POLE SMOKE DETECTOR - LOCAL ONLY, 120V, W/INTEGRAL BATTERY AND ALARM HORN - WALL MOUNT AT 12" BELOW CEILING SMOKE DETECTOR - LOCAL ONLY, 120V, W/INTEGRAL BATTERY, STROBE, AND ALARM HORN - WALL MOUNT AT 12" BELOW CEILING OUTLET - CLOCK OUTLET - TELEPHONE OUTLET - DATA OUTLET - DOOR BELL/BUZZER OUTLET - MICROPHONE OUTLET - VOLUME CONTROL (+48" TO TOP UON) OUTLET - SPEAKER 8" COAXIAL W/ BACK BOX AND GRILLE OUTLET - THERMOSTAT (REF. MECHANICAL DRAWINGS) TV / SECURITY CAMERA - FIXED (MOUNTING PER PLANS) TV / SECURITY CAMERA - PTZ - PAN, TILT, ZOOM (MOUNTING PER PLANS)		OUTLET - VOICE / DATA OUTLET - TELEVISION



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-785-2490
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041



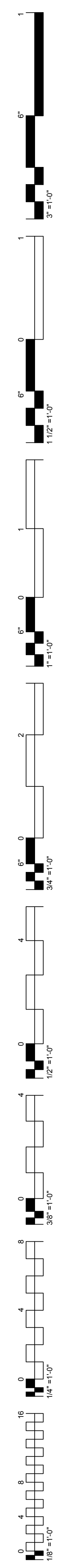
CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

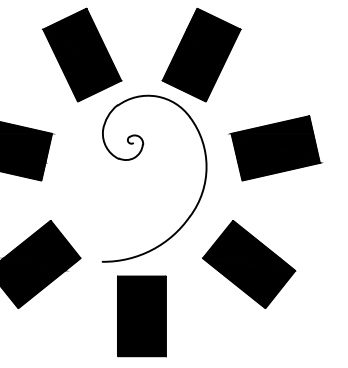
PROJECT PHASE:
**BID PACKAGE 02
(100% SET)**

REVISIONS		
#	DATE	DESCRIPTION
1	05/03/18	BID PACKAGE 05
2	05/22/18	APPENDIX #10

DATE: 03/27/18
JOB NUMBER: 17-06

SHEET NUMBER:
E0.0
SYMBOL LIST





James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 02
(100% SET)

REVISIONS		
#	DATE	DESCRIPTION
1	05/03/18	BID PACKAGE 02
2	05/22/18	ADDENDUM # 10

DATE: 03/27/18
JOB NUMBER: 17-06

SHEET NUMBER:

E0.10

SINGLE LINE DIAGRAM -
MAIN SERVICE
SWITCHBOARD 'TCMSA'

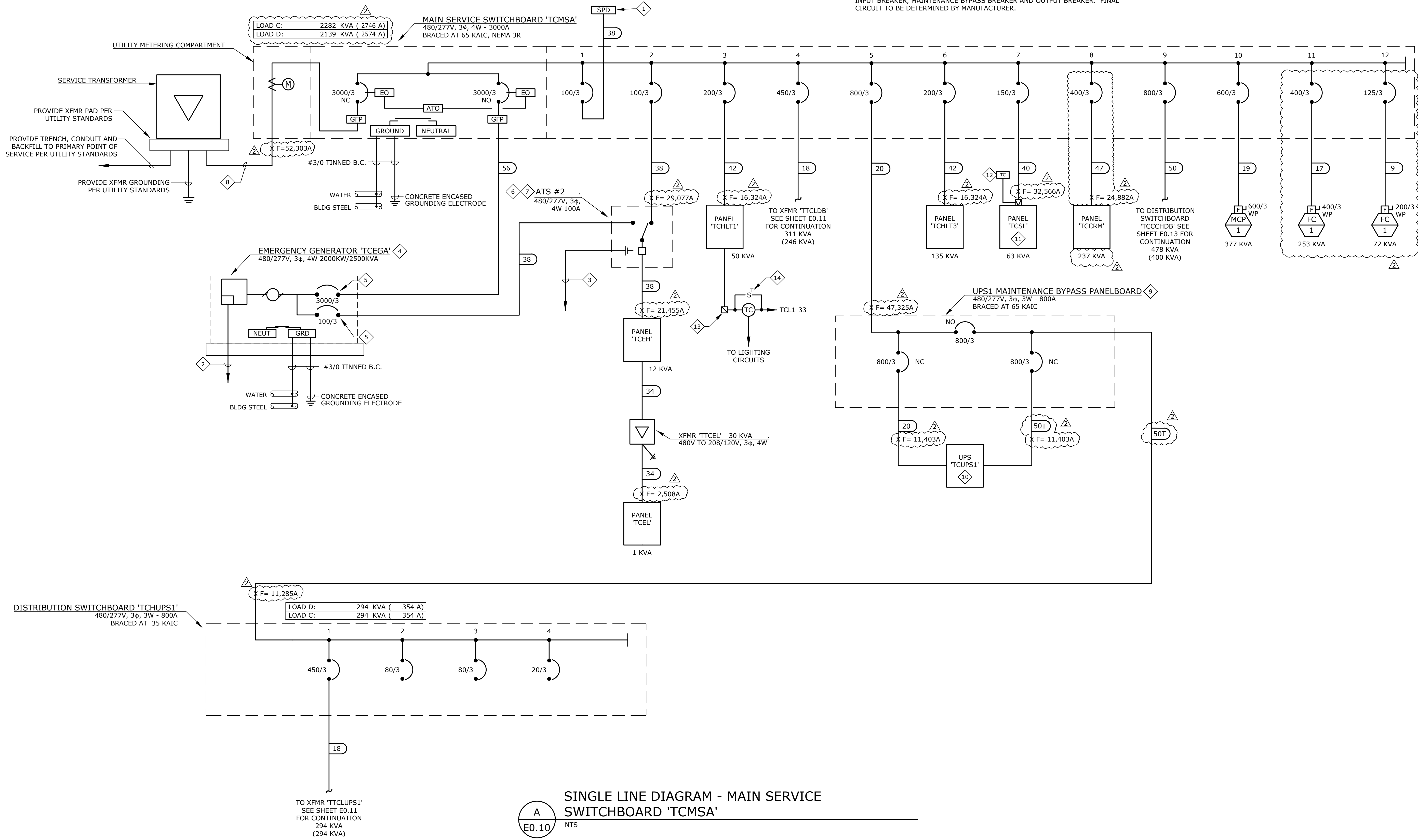
GENERAL NOTES:

- MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2008 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
- PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.
- AS PART OF THE PHASED CONSTRUCTION, ALL EQUIPMENT FEEDER UNDERGROUND RACEWAYS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 01. THE REMAINING RACEWAY SYSTEM INCLUDING INSTALLATION OF FEEDER CONDUCTORS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 02. VERIFY ADDITIONAL REQUIREMENTS WITH THE GENERAL CONTRACTOR/OWNERS REPRESENTATIVE/CONSTRUCTION MANAGER.
- REFER TO SHEET E0.2 FOR SINGLE LINE NOTES, SEQUENCE OF OPERATION AND FEEDER SCHEDULE.
- NORMAL ELECTRICAL SERVICE AND GENERATOR ELECTRICAL SERVICE TO ENTER BUILDING AS SEPARATE DUCTBANKS AND AT SEPARATE LOCATIONS. THE CONTRACTOR SHALL MARK THE PAVEMENT SHOWING ROUTING OF EACH SYSTEM.

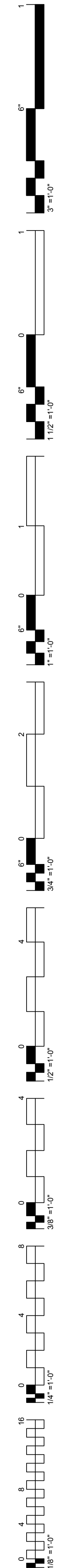
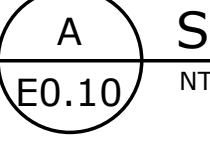
SHEET NOTES:

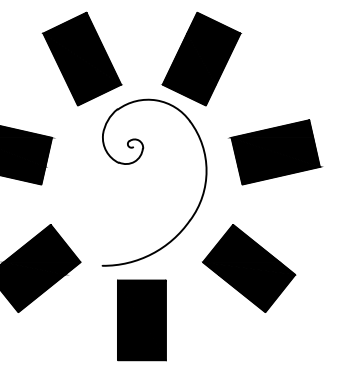
- PROVIDE SURGE PROTECTIVE DEVICE AS DEFINED IN SPECIFICATIONS UNDER TVSS SECTION.
- MINIMUM 1 1/4" CONDUIT FROM GENERATOR CONTROL PANEL TO REMOTE STATUS PANEL IN SURVEILLANCE ROOM. PROVIDE CABLE HARNESS PER MANUFACTURER'S REQUIREMENTS.
- MINIMUM 3/4" CONDUIT FROM ATS TO GENERATOR CONTROL PANEL FOR START SIGNAL. PROVIDE CABLE HARNESS PER MANUFACTURER'S REQUIREMENTS.
- EMERGENCY GENERATOR SHALL BE 480V, 3PH, 4W WITH FULLY ENCLOSED WEATHERPROOF HOUSING, CRITICAL GRADE MUFFLER, MINIMUM 24 HOUR BASE TANK WITH FUEL FREEZE PROTECTION SYSTEM, BATTERY CHARGER, BATTERY HEATER BLANKET, RADIATOR/CASE HEATERS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- BREAKER STYLE SHALL ALLOW FOR FULL COORDINATION OF EMERGENCY SYSTEM PER NEC 700, 701 AND 702.
- TRANSFER SWITCH SHALL BE FULLY AUTOMATIC.
- ATS #2 100A, 480V, 3Φ, 4W, 4 POLE, BRACED FOR 35KAIC. TRANSFER SWITCH SHALL BE RATED TO COMPLY WITH NEC 700 AND 701.
- (8) 4" - 32 - 500KCMIL, THHN/THWN, CU.
- SWITCHBOARD TO BE SUPPLIED BY UPS MANUFACTURER AND BE PROVIDED WITH INPUT BREAKER, MAINTENANCE BYPASS BREAKER AND OUTPUT BREAKER. FINAL CIRCUIT TO BE DETERMINED BY MANUFACTURER.

- UPS TO BE 600KVA, 480V, 3Φ INPUT/480V, 3Φ OUTPUT FLYWHEEL TYPE UNIT. UPS TO BE MANUFACTURED BY ACTIVE POWER AND BE PROVIDED WITH ACTIVE MONITORING VIA BUS.
- PANEL TO BE MOUNTED IN MAIN SERVICE SWITCHBOARD 'TCMSA'.
- PROVIDE ASTRONOMIC TIMECLOCK WITH DIGITAL OUTPUT.
- PROVIDE 30A/XXP MECHANICALLY HELD LIGHTING CONTRACTOR IN NEMA 1 ENCLOSURE ABOVE OR ADJACENT TO PANEL FOR CONTROL OF LIGHTING CIRCUIT. PROVIDE WITH 7-DAY PROGRAMMABLE TIME CLOCK AND BATTERY BACK-UP. NUMBER OF POLES DETERMINED BY NUMBER OF LIGHTING CIRCUITS TO BE CONTROLLED.
- PROVIDE CONTACTOR OVERRIDE TIMER SWITCH (LEVITON #6651 OR EQUIVALENT). COORDINATE LENGTH OF OVERRIDE WITH THE END USER.



SINGLE LINE DIAGRAM - MAIN SERVICE SWITCHBOARD 'TCMSA'





James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-785-2490
www.childersarchitect.com



CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 02
(100% SET)

REVISIONS		
#	DATE	DESCRIPTION
1	05/03/18	BID PACKAGE 02
2	05/22/18	ADDENDUM # 10

DATE: 03/27/18
JOB NUMBER: 17-06

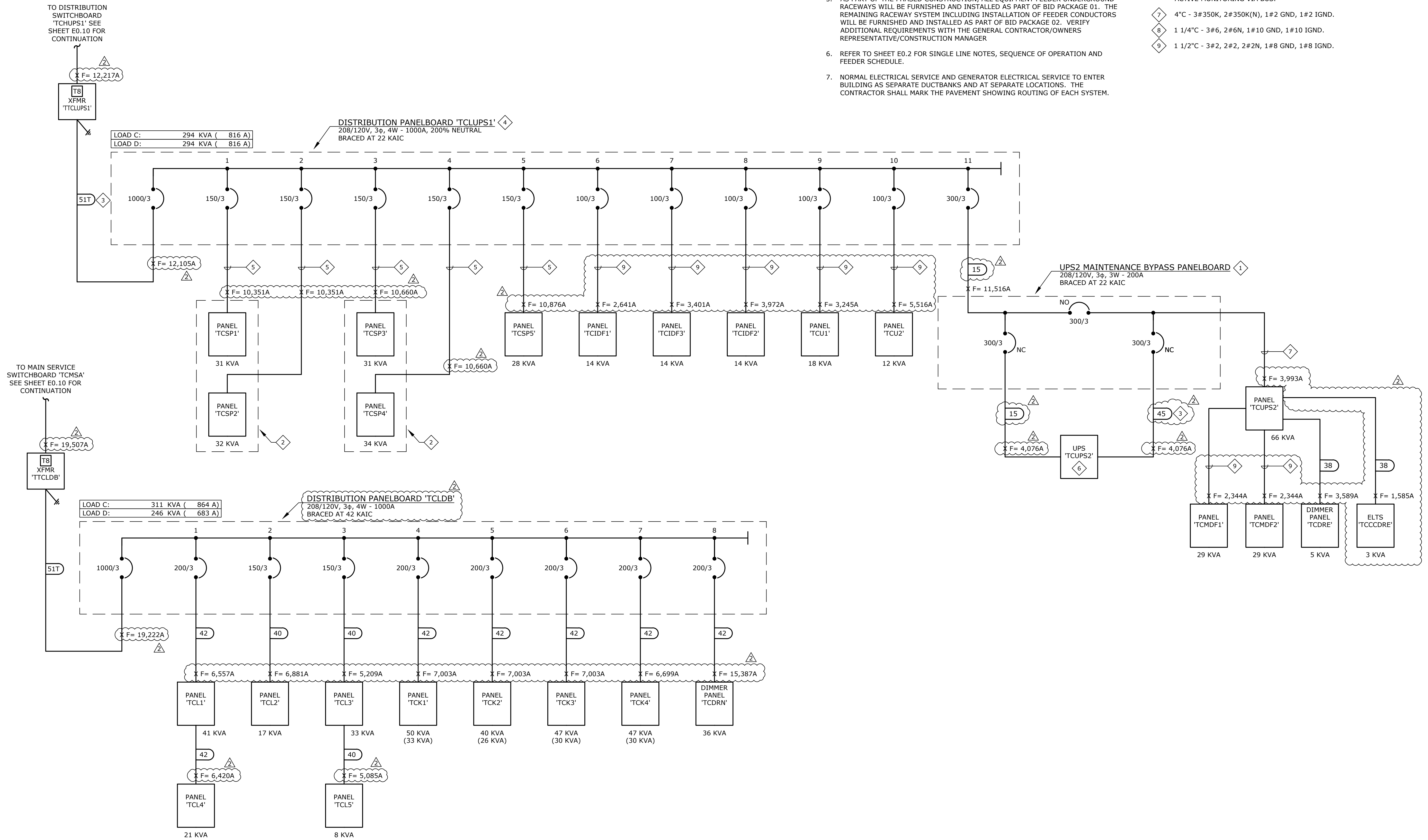
SHEET NUMBER:
E0.11
PARTIAL SINGLE LINE
DIAGRAM

GENERAL NOTES:

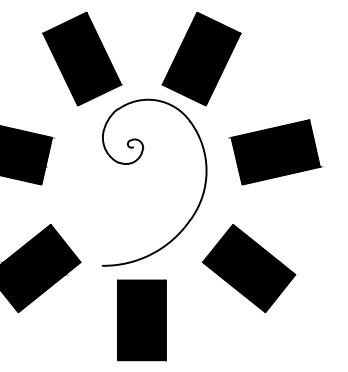
- MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2008 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
- PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.
- AS PART OF THE PHASED CONSTRUCTION, ALL EQUIPMENT FEEDER UNDERGROUND RACEWAYS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 01. THE REMAINING RACEWAY SYSTEM INCLUDING INSTALLATION OF FEEDER CONDUCTORS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 02. VERIFY ADDITIONAL REQUIREMENTS WITH THE GENERAL CONTRACTOR/OWNERS REPRESENTATIVE/CONSTRUCTION MANAGER
- REFER TO SHEET E0.2 FOR SINGLE LINE NOTES, SEQUENCE OF OPERATION AND FEEDER SCHEDULE.
- NORMAL ELECTRICAL SERVICE AND GENERATOR ELECTRICAL SERVICE TO ENTER BUILDING AS SEPARATE DUCTBANKS AND AT SEPARATE LOCATIONS. THE CONTRACTOR SHALL MARK THE PAVEMENT SHOWING ROUTING OF EACH SYSTEM.

SHEET NOTES:

- SWITCHBOARD TO BE SUPPLIED BY UPS MANUFACTURER AND BE PROVIDED WITH INPUT BREAKER, MAINTENANCE BYPASS BREAKER AND OUTPUT BREAKER. FINAL CIRCUIT TO BE DETERMINED BY MANUFACTURER.
- PANELS SHALL BE IN COMMON ENCLOSURE.
- FEEDER TO HAVE DOUBLE NEUTRAL AND ISOLATED GROUND CONDUCTOR.
- PROVIDE PANEL WITH EQUIPMENT GROUND AND ISOLATED GROUND BUSES.
- 2" C - 3#1/0, 2#1/0N, 1#6 GND, 1#6 IGND.
- UPS TO BE 80 KVA, 208/120V, 3Φ, 4W INPUT, 208/120V, 3Φ, 4W OUTPUT WITH 15 MINUTES RUN TIME. UPS TO BE MANUFACTURED BY GE AND BE PROVIDED WITH ACTIVE MONITORING VIA BUS.
- 4" C - 3#350K, 2#350K(N), 1#2 GND, 1#2 IGND.
- 1 1/4" C - 3#6, 2#6N, 1#10 GND, 1#10 IGND.
- 1 1/2" C - 3#2, 2#2, 2#2N, 1#8 GND, 1#8 IGND.



A PARTIAL SINGLE LINE DIAGRAM
E0.11 NTS



James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2490
www.childersarchitect.com



CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 02
(100% SET)

REVISIONS		
#	DATE	DESCRIPTION
1	05/03/18	BID PACKAGE 02
2	05/22/18	ADDENDUM #10

DATE: 03/27/18
JOB NUMBER: 17-06

SHEET NUMBER:

E0.12

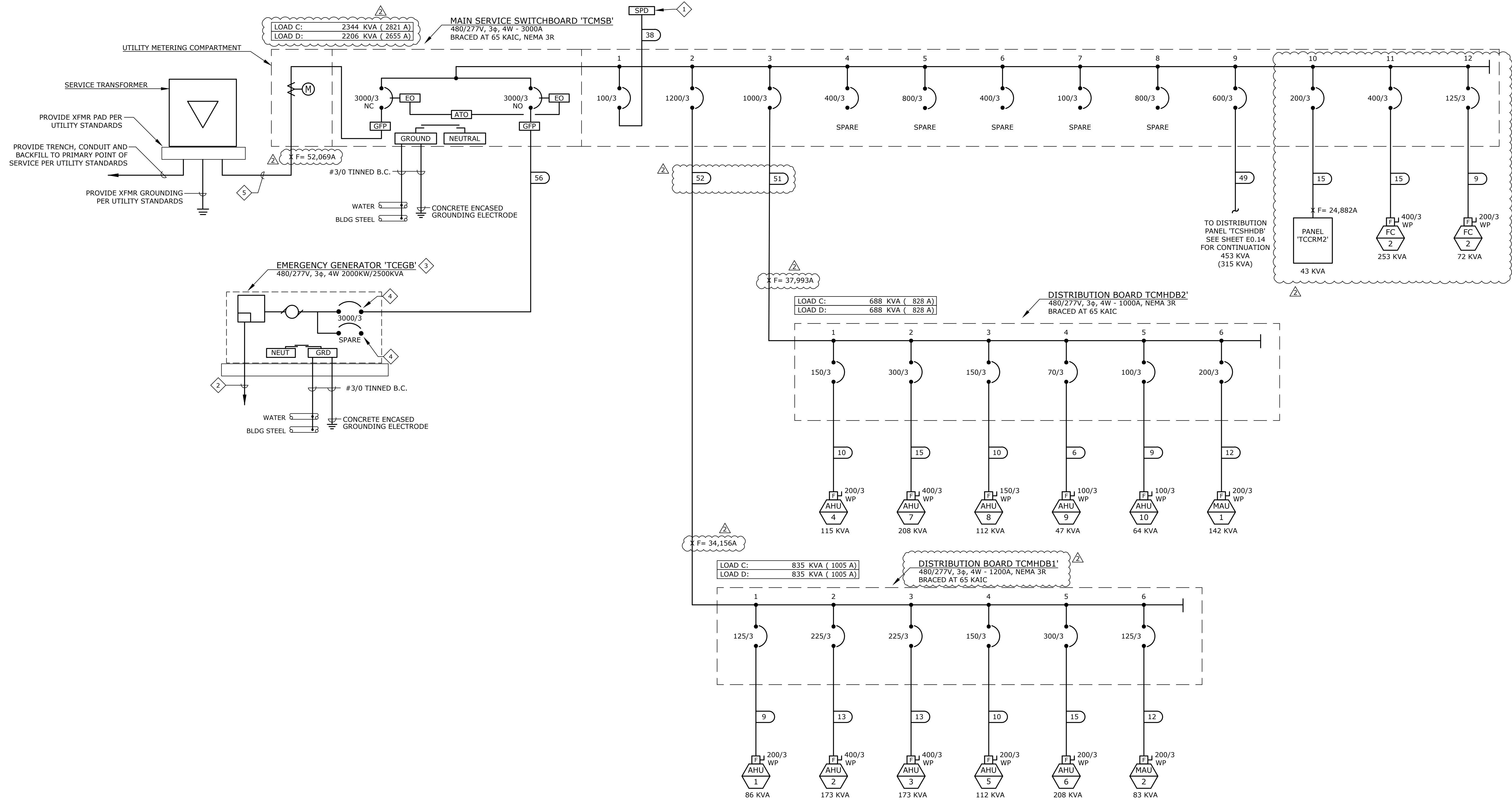
SINGLE LINE DIAGRAM
- MAIN SERVICE
SWITCHBOARD 'TCMSB'

GENERAL NOTES:

- MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2008 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
- PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.
- AS PART OF THE PHASED CONSTRUCTION, ALL EQUIPMENT FEEDER UNDERGROUND RACEWAYS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 01. THE REMAINING RACEWAY SYSTEM INCLUDING INSTALLATION OF FEEDER CONDUCTORS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 02. VERIFY ADDITIONAL REQUIREMENTS WITH THE GENERAL CONTRACTOR/OWNERS REPRESENTATIVE/CONSTRUCTION MANAGER.
- REFER TO SHEET E0.2 FOR SINGLE LINE NOTES, SEQUENCE OF OPERATION AND FEEDER SCHEDULE.
- NORMAL ELECTRICAL SERVICE AND GENERATOR ELECTRICAL SERVICE TO ENTER BUILDING AS SEPARATE DUCTBANKS AND AT SEPARATE LOCATIONS. THE CONTRACTOR SHALL MARK THE PAVEMENT SHOWING ROUTING OF EACH SYSTEM.

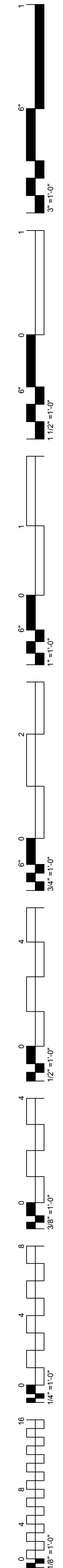
SHEET NOTES:

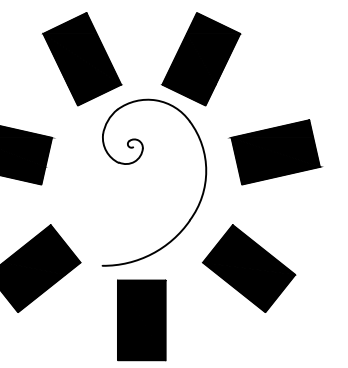
- PROVIDE SURGE PROTECTIVE DEVICE AS DEFINED IN SPECIFICATIONS UNDER TVSS SECTION.
- MINIMUM 1 1/4" CONDUIT FROM GENERATOR CONTROL PANEL TO REMOTE STATUS PANEL IN SURVEILLANCE ROOM. PROVIDE CABLE HARNESS PER MANUFACTURER'S REQUIREMENTS.
- EMERGENCY GENERATOR SHALL BE 480V, 3PH, 4W WITH FULLY ENCLOSED WEATHERPROOF HOUSING, CRITICAL GRADE MUFFLER, MINIMUM 24 HOUR BASE TANK WITH FUEL FREEZE PROTECTION SYSTEM, BATTERY CHARGER, BATTERY HEATER BLANKET, RADIATOR/CASE HEATERS, ETC. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- BREAKER STYLE SHALL ALLOW FOR FULL COORDINATION OF EMERGENCY SYSTEM PER NEC 700, 701 AND 702.
- (8) 4" C - 32 - 500KCMIL, THHN/THWN, CU.



SINGLE LINE DIAGRAM - MAIN SERVICE SWITCHBOARD 'TCMSB'

A
E0.12
NTS





James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2490
www.childersarchitect.com



CONSULTANT LOGO:



ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com

MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 02
(100% SET)

REVISIONS		
#	DATE	DESCRIPTION
1	03/03/18	BID PACKAGE 02
2	03/22/18	ADDENDUM # 10

DATE: 03/27/18
JOB NUMBER: 17-06

SHEET NUMBER:

E0.13

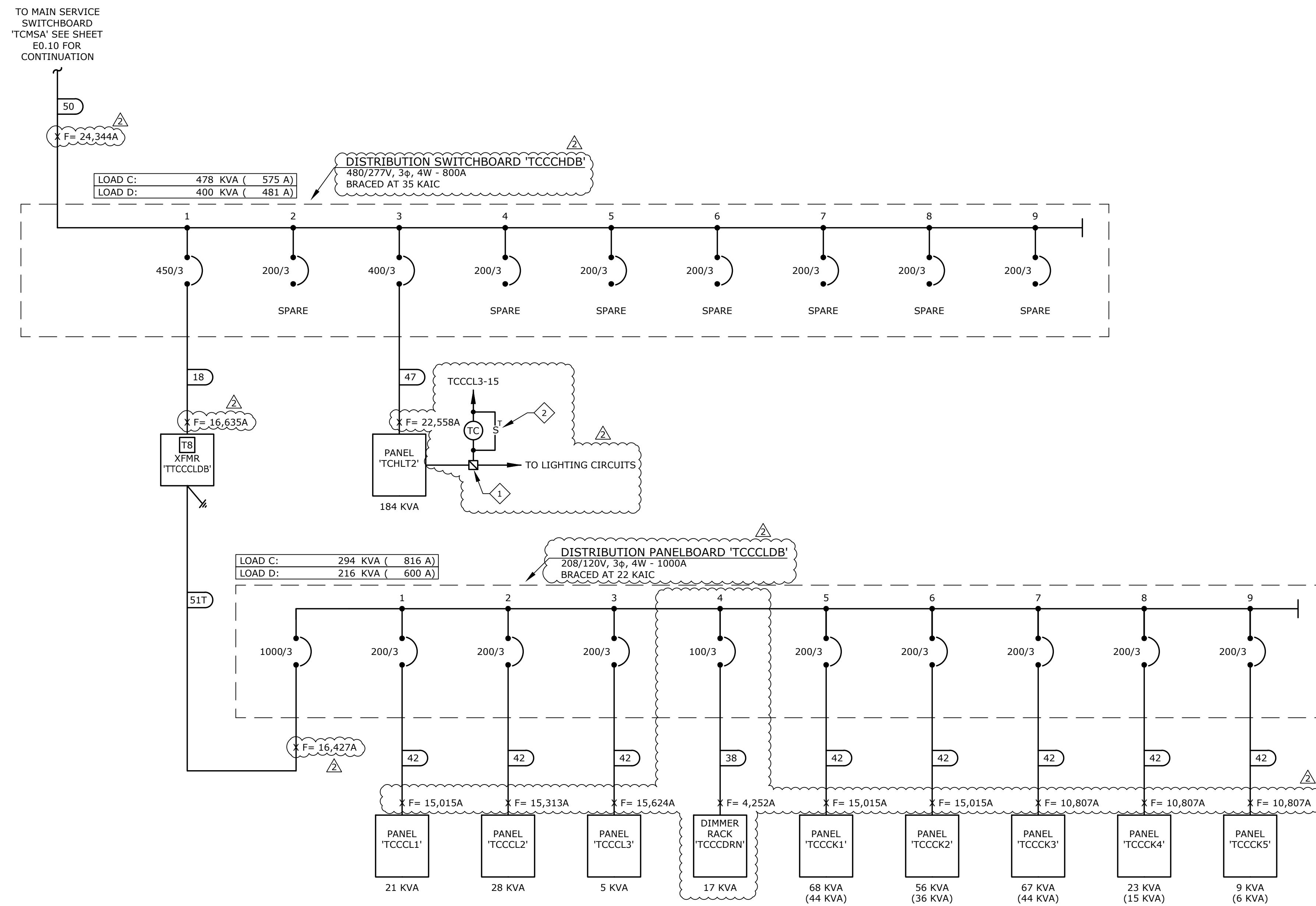
PARTIAL SINGLE LINE
DIAGRAM

GENERAL NOTES:

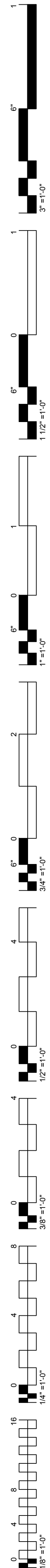
- MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
- THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2008 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
- PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.
- AS PART OF THE PHASED CONSTRUCTION, ALL EQUIPMENT FEEDER UNDERGROUND RACEWAYS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 01. THE REMAINING RACEWAY SYSTEM INCLUDING INSTALLATION OF FEEDER CONDUCTORS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 02. VERIFY ADDITIONAL REQUIREMENTS WITH THE GENERAL CONTRACTOR/OWNERS REPRESENTATIVE/CONSTRUCTION MANAGER
- REFER TO SHEET E0.2 FOR SINGLE LINE NOTES, SEQUENCE OF OPERATION AND FEEDER SCHEDULE.
- NORMAL ELECTRICAL SERVICE AND GENERATOR ELECTRICAL SERVICE TO ENTER BUILDING AS SEPARATE DUCTBANKS AND AT SEPARATE LOCATIONS. THE CONTRACTOR SHALL MARK THE PAVEMENT SHOWING ROUTING OF EACH SYSTEM.

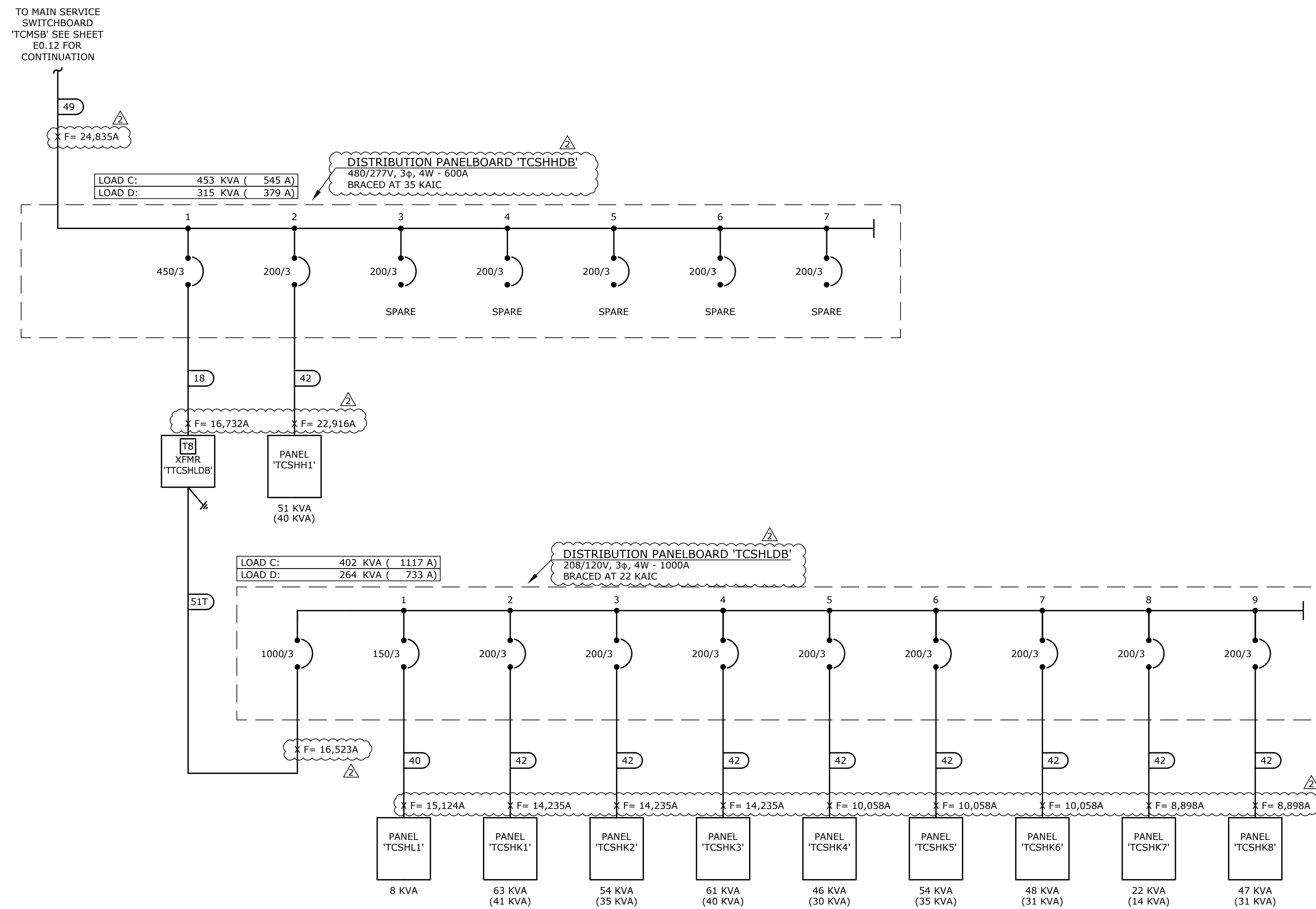
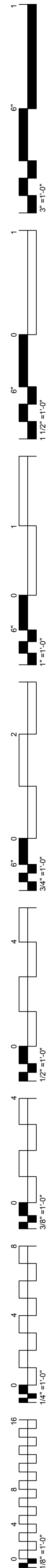
SHEET NOTES:

- PROVIDE 30A/XXP MECHANICALLY HELD LIGHTING CONTRACTOR IN NEMA 1 ENCLOSURE ABOVE OR ADJACENT TO PANEL FOR CONTROL OF LIGHTING CIRCUIT. PROVIDE WITH 7-DAY PROGRAMMABLE TIME CLOCK AND BATTERY BACK-UP. NUMBER OF POLES DETERMINED BY NUMBER OF LIGHTING CIRCUITS TO BE CONTROLLED.
- PROVIDE CONTACTOR OVERRIDE TIMER SWITCH (LEVITON #6651 OR EQUIVALENT). COORDINATE LENGTH OF OVERRIDE WITH THE END USER.



A PARTIAL SINGLE LINE DIAGRAM
E0.13 NTS

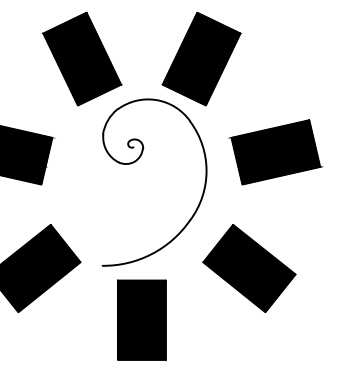




A
PARTIAL SINGLE LINE DIAGRAM
E0.14 NTS

GENERAL NOTES:

1. MINIMUM EQUIPMENT A.I.C. RATINGS ARE 14K A.I.C. @ 480/277V AND 10K A.I.C. @ 208/120V UNLESS OTHERWISE NOTED.
2. THE DESIGN PROFESSIONAL HAS PERFORMED ALL REQUIRED SHORT CIRCUIT CALCULATIONS AND THE A.I.C. RATINGS INDICATED FOR EACH DEVICE ARE ADEQUATE TO PROTECT THE EQUIPMENT AND THE ELECTRICAL SYSTEM.
3. THE DESIGN PROFESSIONAL HAS PERFORMED ALL THE REQUIRED VOLTAGE DROP CALCULATIONS FOR ALL BRANCH CIRCUITS AND FEEDERS PER 2008 NATIONAL ELECTRICAL CODE ARTICLE 210.19(A)(1), FPN NO. 4.
4. PANELBOARD LOAD SUMMARIES INCLUDE ADDITIONAL 25% OF ALL CONTINUOUS AND LARGEST MOTOR LOADS WHERE APPLICABLE.
5. AS PART OF THE PHASED CONSTRUCTION, ALL EQUIPMENT FEEDER UNDERGROUND RACEWAYS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 01. THE REMAINING RACEWAY SYSTEM INCLUDING INSTALLATION OF FEEDER CONDUCTORS WILL BE FURNISHED AND INSTALLED AS PART OF BID PACKAGE 02. VERIFY ADDITIONAL REQUIREMENTS WITH THE GENERAL CONTRACTOR/OWNERS REPRESENTATIVE/CONSTRUCTION MANAGER
6. REFER TO SHEET E0.2 FOR SINGLE LINE NOTES, SEQUENCE OF OPERATION AND FEEDER SCHEDULE.
7. NORMAL ELECTRICAL SERVICE AND GENERATOR ELECTRICAL SERVICE TO ENTER BUILDING AS SEPARATE DUCTBANKS AND AT SEPARATE LOCATIONS. THE CONTRACTOR SHALL MARK THE PAVEMENT SHOWING ROUTING OF EACH SYSTEM.



**James R. Childers
Architect, Inc.**

45 South 4th Street
Fort Smith, AR 72901
479-783-2490
www.childersarchitect.com



CONSULTANT LOGO:



msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com

MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

**BID PACKAGE 02
(100% SET)**

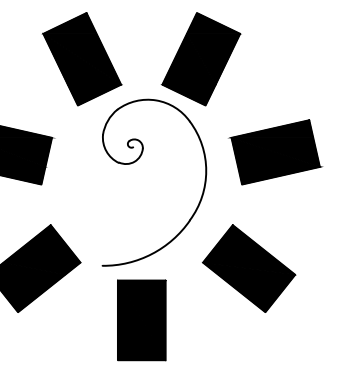
REVISIONS		
#	DATE	DESCRIPTION
1	03/03/18	BID PACKAGE 02
2	03/22/18	ADDENDUM # 10

DATE: 03/27/18 JOB NUMBER: 17-06

SHEET NUMBER:

E0.14

PARTIAL SINGLE LINE
DIAGRAM



James R. Childers Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER: E0.20

PANEL SCHEDULES

SHEET NOTES:

RUN LIGHTING CIRCUIT THROUGH CORRESPONDING LIGHTING CONTRACTOR.

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
WSHP-1		4160	20	1	2	20/1		SPARE		
		4160	3	3	4	20/1		SPARE		
		4160	3	5	6	20/1		SPARE		
KEF-3		3050	25	7	8	20/1		SPARE		
		3050	3	9	10	20/1		SPARE		
		1330	20	11	12	20/1		SPARE		
KEF-4		1330	3	13	14	20/1		SPARE		
		1330	3	15	16	20/1		SPARE		
		1330	3	17	18	20/1		SPARE		
KEF-5		2110	20	19	20	20/1		SPARE		
		2110	3	21	22	20/1		SPARE		
		2110	3	23	24	20/1		SPARE		
KEF-6		2110	20	25	26	20/1		SPARE		
		2110	3	27	28	20/1		SPARE		
		2110	3	29	30	20/1		SPARE		
WSHP-8		4160	20	31	32	20/1		SPARE		
		4160	3	33	34	20/1		SPARE		
		4160	3	35	36	20/1		SPARE		
SPARE		20/1		37	38	20/1		SPARE		
SPARE		20/1		39	40	20/1		SPARE		
SPARE		20/1		41	42	20/1		SPARE		

TOTAL LOAD: 51 KVA (61 A)

VOLTS: 480 277V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K 35K

TCSHH1

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
BOH CORRIDOR LIGHTING		1260	20/1	1	2	20/1	2880	EXTERIOR COLUMN LIGHTING		
BOH KITCHEN LIGHTING		1820	20/1	3	4	20/1	2880	EXTERIOR COLUMN LIGHTING		
BOH RECEIVING LIGHTING		1250	20/1	5	6	20/1	2880	EXTERIOR COLUMN LIGHTING		
BOH OFFICES		2220	20/1	7	8	20/1	2880	EXTERIOR COLUMN LIGHTING		
BOH OFFICES/SUPPORT RM LIGHTING		2080	20/1	9	10	20/1	2880	EXTERIOR COLUMN LIGHTING		
BOH OFFICES/SUPPORT RM LIGHTING		520	20/1	11	12	20/1	2880	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		13	14	20/1	2560	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		15	16	20/1	2560	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		17	18	20/1	2560	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		19	20	20/1	2560	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		21	22	20/1	2560	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		23	24	20/1	2560	EXTERIOR COLUMN LIGHTING		
SPARE		20/1		25	26	20/1	3040	CANOPY LIGHTING		
SPARE		20/1		27	28	20/1	3040	CANOPY LIGHTING		
SPARE		20/1		29	30	20/1	1660	CANOPY LIGHTING		
SPARE		20/1		31	32	20/1		SPARE		
SPARE		20/1		33	34	20/1		SPARE		
SPARE		20/1		35	36	20/1		SPARE		
SPARE		20/1		37	38	20/1		SPARE		
SPARE		20/1		39	40	20/1		SPARE		
SPARE		20/1		41	42	20/1		SPARE		

TOTAL LOAD: 50 KVA (60 A)

VOLTS: 480 277V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K 35K

TCHLT1

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
WSHP-5		4600	25	1	2	20	2860	WSHP-11		
		4600	3	3	4	3	2860			
		4600	3	5	6	3	2860			
WSHP-6		2860	20	7	8	20/1		SPARE		
		2860	3	9	10	20/1		SPARE		
		2860	3	11	12	20/1		SPARE		
WSHP-7		4160	20	13	14	20/1		SPARE		
		4160	3	15	16	20/1		SPARE		
		4160	3	17	18	20/1		SPARE		
SPARE		20/1		19	20	20/1		SPARE		
SPARE		20/1		21	22	20/1		SPARE		
SPARE		20/1		23	24	20/1		SPARE		
SPARE		20/1		25	26	20/1		SPARE		
SPARE		20/1		27	28	20/1		SPARE		
SPARE		20/1		29	30	20/1		SPARE		
SPARE		20/1		31	32	20/1		SPARE		
SPARE		20/1		33	34	20/1		SPARE		
SPARE		20/1		35	36	20/1		SPARE		
SPARE		20/1		37	38	20/1		SPARE		
SPARE		20/1		39	40	20/1		SPARE		
SPARE		20/1		41	42	20/1		SPARE		

TOTAL LOAD: 43 KVA (52 A)

VOLTS: 480 277V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K 35K

TCCRM2

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
EXTERIOR COLUMN LIGHTING		2880	20/1	1	2	20	2110			
EXTERIOR COLUMN LIGHTING		2880	20/1	3	4	3	2110	KEF-1		
EXTERIOR COLUMN LIGHTING		2560	20/1	5	6	3	2110			
EXTERIOR COLUMN LIGHTING		2880	20/1	7	8	20	2110			
EXTERIOR COLUMN LIGHTING		2240	20/1	9	10	3	2110	KEF-2		
EXTERIOR COLUMN LIGHTING		2560	20/1	11	12	3	2110			
EXTERIOR COLUMN LIGHTING		2880	20/1	13	14	20	2860			
EXTERIOR COLUMN LIGHTING		1920	20/1	15	16	3	2860	WSHP-10		
BANQUET FOOD PREP LIGHTING		1820	20/1	17	18	3	2860			
CORRIDOR / SUPPORT ROOMS LIGHTING		820	20/1	19	20	100	21380	DISHWASHER		
E01 COLLECTOR		440	20	21	22	3	21380			
		440	3	23	24	3	21380			
E49 POWERED SINK		2330	20	25	26	30	6000	DISHWASHER BOOSTER HEATER		
		2330	3	27	28	3	6000			
E50 COLLECTOR		440	20	29	30	3	6000			
		440	3	31	32	40	8100			
		440	20	33	34	3	8100	DISHWASHER		
		440	3	35	36	3	8100			
CANOPY LIGHTING		440	3	37	38	35	7330			
SPARE		1660	20/1	39	40	3	7330	DISHWASHER BOOSTER HEATER		
SPARE		20/1		41	42	3	7330			

TOTAL LOAD: 184 KVA (222 A)

VOLTS: 480 277V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K 35K

TCHLT2

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
CRAC-1A		15820	80	1	2	20	1280			
		15820	3	3	4	3	1280	CCU-1		
		15820	3	5	6	3	1280			
		5820	30	7	8	30	6490			
CRAC-2A		5820	20	9	10	3	6490	CCU-2A		
		5820	3	11	12	3	6490			
CRAC-3A		5490	25	13	14	20	3940			
		5490	3	15	16	3	3940	CCU-2BA		
		5490	3	17	18	3	3940			
WSHP-9		2860	20	19	20	20	3470			
		2860	3	21	22	3	3470	CCU-3A		
		2860	3	23	24	3	3470			
CRAC-1B		15820	80	25	26	20	2690			
		15820	20	27	28	20	2690	CCU-2BB		
		15820	3	29	30	3	2690			
CRAC-2B		5820	30	31	32	20	3940			
		5820	3	33	34	3	3940	CCU-3B		
		5820	3	35	36	3	3940			
CRAC-3B		5490	25	37	38	20/1		SPARE		
		5490	3	39	40	20/1		SPARE		
		5490	3	41	42	20/1		SPARE		

TOTAL LOAD: 237 KVA (285 A)

VOLTS: 480 277V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

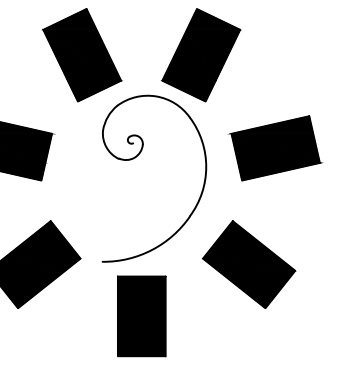
NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K 35K

TCCRM

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
SITE LIGHTING		2640	20	1	2	20	2640			
		2640	2	3	4	2	2640			
SITE LIGHTING		3300	20	5	6	20	3300	SITE LIGHTING		
		3300	2	7	8	2	3300			
SITE LIGHTING		2970	20	9	10	20	2970	SITE LIGHTING		
		2970	2	11	12	2	2970			
SITE LIGHTING		3300	20	13	14	20	2640	SITE LIGHTING		
		3300	2	15	16	2	2640			
SITE LIGHTING		2640	20	17	18	20	2310	SITE LIGHTING		
		2640	2	19	20	2	2310			
SITE LIGHTING		2640	20	21	22	20/1		SPARE		
		2640	2	23	24					



James R. Childers Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com

MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER: E0.21

PANEL SCHEDULES

PANEL INDEX		
'TCL3'	'TCCL3'	-
'TCL4'	'TCL1'	'TCCL1'
'TCL5'	'TCL2'	'TCCL2'

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	LOAD	TYPE
	CONFERENCE CENTER RECEPTACLES	400	20/1	1	2	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	3	4	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	5	6	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	7	8	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	9	10	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	11	12	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	13	14	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	15	16	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	17	18	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	19	20	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	21	22	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	23	24	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	25	26	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	27	28	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	29	30	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	31	32	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	400	20/1	33	34	20/1	400	CONFERENCE CENTER RECEPTACLES			
	CONFERENCE CENTER RECEPTACLES	1200	20/1	35	36	20/1	400	CONFERENCE CENTER RECEPTACLES			
	IDF ROOM RECEPTACLES	400	20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

PANEL 'TCL1' LOAD: 21 KVA (58 A)
 PANEL 'TCL4' LOAD: 21 KVA (57 A)
 TOTAL LOAD: 41 KVA (115 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K 35K

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	LOAD	TYPE
	HUMAN RESOURCES RECEPTACLES	400	20/1	1	2	20/1	400	UTILITY RECEPTACLES			
	HUMAN RESOURCES RECEPTACLES	400	20/1	3	4	20/1	1180	DOOR 1			
	HUMAN RESOURCES RECEPTACLES	400	20/1	5	6	20/1	1180	DOOR 2			
	HUMAN RESOURCES RECEPTACLES	400	20/1	7	8	20/1	600	UTILITY RECEPTACLES			
	HUMAN RESOURCES RECEPTACLES	600	20/1	9	10	20/1	400	UTILITY RECEPTACLES			
	HUMAN RESOURCES RECEPTACLES	600	20/1	11	12	20/1	400	RECEIVING RECEPTACLES			
	HUMAN RESOURCES RECEPTACLES	400	20/1	13	14	20/1	400	RECEIVING RECEPTACLES			
	HUMAN RESOURCES RECEPTACLES	400	20/1	15	16	20/1	1650	FORKLIFT CHARGER RECEPTACLE			
	HUMAN RESOURCES RECEPTACLES	600	20/1	17	18	20/1	1650				
	HUMAN RESOURCES RECEPTACLES	600	20/1	19	20	20/1	1650	PALLET JACK CHARGER RECEPTACLE			
	KEY RECEPTACLES	600	20/1	21	22	20/1	1650				
	KEY RECEPTACLES	600	20/1	23	24	20/1	200	RECEIVING RECEPTACLE			
	SLOT MAINTENANCE RECEPTACLES	600	20/1	25	26	20/1	200	RECEIVING RECEPTACLE			
	SLOT MAINTENANCE RECEPTACLES	600	20/1	27	28	20/1	400	TRASH RECEPTACLE			
	SLOT MAINTENANCE RECEPTACLES	600	20/1	29	30	20/1	400	MDF ROOM RECEPTACLES			
	SLOT MAINTENANCE RECEPTACLES	600	20/1	31	32	20/1		SPARE			
	CONTACTOR COIL	100	20/1	33	34	20/1		SPARE			
	SPARE		20/1	35	36	20/1		SPARE			
	SPARE		20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

PANEL 'TCL1' LOAD: 21 KVA (58 A)
 PANEL 'TCL4' LOAD: 21 KVA (57 A)
 TOTAL LOAD: 41 KVA (115 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K 35K

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	LOAD	TYPE
	MENS RESTROOM RECEPTACLES	800	20/1	1	2	20/1	600	CONVENIENCE RECEPTACLES			
	MENS RESTROOM RECEPTACLES	600	20/1	3	4	20/1	600	OFFICE RECEPTACLES			
	SPARE		20/1	5	6	20/1	1000	OFFICE RECEPTACLES			
	WOMENS RESTROOM RECEPTACLES	800	20/1	7	8	20/1	600	GREEN ROOM RECEPTACLES			
	WOMENS RESTROOM RECEPTACLES	600	20/1	9	10	20/1	600	GREEN ROOM RECEPTACLES			
	SPARE		20/1	11	12	20/1	600	GREEN ROOM RECEPTACLES			
	UTILITY RECEPTACLES	400	20/1	13	14	20/1	400	GREEN ROOM RECEPTACLES			
	EDR RECEPTACLES	600	20/1	15	16	20/1	400	GREEN ROOM RECEPTACLES			
	EDR RECEPTACLES	400	20/1	17	18	20/1	400	STAGE LIFT			
	EDR RECEPTACLES	500	20/1	19	20	20/1	400	AUDIT RECEPTACLES			
	EDR RECEPTACLES	1000	20/1	21	22	20/1	400	AUDIT RECEPTACLES			
	CONVENIENCE RECEPTACLES	600	20/1	23	24	20/1	400	AUDIT RECEPTACLES			
	SPARE		20/1	25	26	20/1	400	AUDIT RECEPTACLES			
	OFFICE RECEPTACLES	600	20/1	27	28	20/1	400	AUDIT RECEPTACLES			
	OFFICE RECEPTACLES	1000	20/1	29	30	20/1	400	AUDIT RECEPTACLES			
	VAV BOXES	700	20/1	31	32	20/1	400	AUDIT RECEPTACLES			
	VAV BOXES	700	20/1	33	34	20/1	400	AUDIT RECEPTACLES			
	VAV BOXES	200	20/1	35	36	20/1	600	GAMING COMMISSION OFFICE RECEPTACLES			
	EF-6	1200	20/1	37	38	20/1		SPARE			
	ROOFTOP RECEPTACLES	800	20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

PANEL 'TCL1' LOAD: 21 KVA (58 A)
 PANEL 'TCL4' LOAD: 21 KVA (57 A)
 TOTAL LOAD: 41 KVA (115 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K 35K

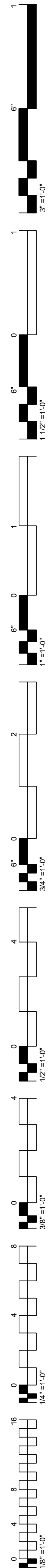
NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	LOAD	TYPE
	VIP EVENT RECEPTACLES	600	20/1	1	2	20/1	400	IDF ROOM RECEPTACLES			
	VIP EVENT RECEPTACLES	400	20/1	3	4	20/1		SPARE			
	VIP EVENT RECEPTACLES	1000	20/1	5	6	20/1		SPARE			
	VIP EVENT RECEPTACLES	600	20/1	7	8	20/1		SPARE			
	DINING RECEPTACLES	600	20/1	9	10	20/1		SPARE			
	DINING RECEPTACLES	600	20/1	11	12	20/1		SPARE			
	DINING RECEPTACLES	400	20/1	13	14	20/1		SPARE			
	DINING RECEPTACLES	400	20/1	15	16	20/1		SPARE			
	DINING RECEPTACLES	400	20/1	17	18	20/1		SPARE			
	DINING RECEPTACLES	800	20/1	19	20	20/1		SPARE			
	DINING RECEPTACLES	800	20/1	21	22	20/1		SPARE			
	DINING RECEPTACLES	800	20/1	23	24	20/1		SPARE			
	DINING RECEPTACLES	600	20/1	25	26	20/1		SPARE			
	SPARE		20/1	27	28	20/1		SPARE			
	SPARE		20/1	29	30	20/1		SPARE			
	SPARE		20/1	31	32	20/1		SPARE			
	SPARE		20/1	33	34	20/1		SPARE			
	SPARE		20/1	35	36	20/1		SPARE			
	SPARE		20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

PANEL 'TCL1' LOAD: 21 KVA (58 A)
 PANEL 'TCL4' LOAD: 21 KVA (57 A)
 TOTAL LOAD: 41 KVA (115 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K 35K

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	LOAD	TYPE
	BANQUET STORAGE RECEPTACLES	600	20/1	1	2	20/1	600	BREAK-OUT ROOM RECEPTACLES			
	CONVENIENCE RECEPTACLES	600	20/1	3	4	20/1	600	BREAK-OUT ROOM RECEPTACLES			
	EVS STORAGE RECEPTACLES	400	20/1	5	6	20/1	400	BREAK-OUT ROOM RECEPTACLES			
	EVS STORAGE RECEPTACLES	400	20/1	7	8	20/1	400	BREAK-OUT ROOM RECEPTACLES			
	EVS STORAGE RECEPTACLES	600	20/1	9	10	20/1	600	BREAK-OUT ROOM RECEPTACLES			
	EVS STORAGE WASHER RECEPTACLE	1000	20/1	11	12	20/1	600	BREAK-OUT ROOM RECEPTACLES			
	EVS STORAGE DRYER RECEPTACLE	1040	20/1	13	14	20/1	200	BREAK-OUT ROOM RECEPTACLES			
	UTILITY RECEPTACLES	1040	20/1	15	16	20/1	400	BREAK-OUT ROOM RECEPTACLES			
	UTILITY RECEPTACLES	400	20/1	17	18	20/1	600	BREAK-OUT ROOM RECEPTACLES			
	UTILITY RECEPTACLE	200	20/1	19	20	20/1	600	BREAK-OUT ROOM RECEPTACLES			
	UTILITY RECEPTACLES	400	20/1	21	22	20/1	600	CONVENIENCE RECEPTACLES			
	UTILITY RECEPTACLES	800	20/1	23	24	20/1	600	WOMENS RESTROOM RECEPTACLES			
	SPARE		20/1	25	26	20/1		WOMENS RESTROOM RECEPTACLES			
	MENS RESTROOM RECEPTACLES	600	20/1	27	28	20/1		SPARE			
	MENS RESTROOM RECEPTACLES	800	20/1	29	30	20/1	600	UTILITY RECEPTACLES			
	SPARE		20/1	31	32	20/1		SPARE			
	VESTIBULE RECEPTACLES	400	20/1	33	34	20/1		SPARE			
	UTILITY RECEPTACLES	400	20/1	35	36	20/1		SPARE			
	SPARE		20/1	37	38	20/1					



NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
SLOT POWER		900	20/1	1	2	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	3	4	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	5	6	20/1	1200	SLOT POWER	
SLOT POWER		1200	20/1	7	8	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	9	10	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	11	12	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	13	14	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	15	16	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	17	18	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	19	20	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	21	22	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	23	24	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	25	26	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	27	28	20/1		SPARE	
SLOT POWER		900	20/1	29	30	20/1		SPARE	
SPARE		20/1		31	32	20/1		SPARE	
SPARE		20/1		33	34	20/1		SPARE	
SPARE		20/1		35	36	20/1		SPARE	
SPARE		20/1		37	38	20/1		SPARE	
SPARE		20/1		39	40	20/1		SPARE	
SPARE		20/1		41	42	20/1		SPARE	

VOLTS: 208 /120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

TCSP5

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 28 KVA (77 A)

NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
SLOT POWER		900	20/1	1	2	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	3	4	20/1	600	SLOT POWER	
SLOT POWER		900	20/1	5	6	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	7	8	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	9	10	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	11	12	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	13	14	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	15	16	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	17	18	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	19	20	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	21	22	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	23	24	20/1	600	SLOT POWER	
SLOT POWER		1200	20/1	25	26	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	27	28	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	29	30	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	31	32	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	33	34	20/1		SPARE	
SLOT POWER		900	20/1	35	36	20/1		SPARE	
SPARE		20/1		37	38	20/1		SPARE	
SPARE		20/1		39	40	20/1		SPARE	
SPARE		20/1		41	42	20/1		SPARE	

VOLTS: 208 /120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

TCSP2

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 32 KVA (87 A)

NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
			20/1	1	2	20/1			
			20/1	3	4	20/1			
			20/1	5	6	20/1			
			20/1	7	8	20/1			
			20/1	9	10	20/1			
			20/1	11	12	20/1			
			20/1	13	14	20/1			
			20/1	15	16	20/1			
			20/1	17	18	20/1			
			20/1	19	20	20/1			
			20/1	21	22	20/1			
			20/1	23	24	20/1			
			20/1	25	26	20/1			
			20/1	27	28	20/1			
			20/1	29	30	20/1			
			20/1	31	32	20/1			
			20/1	33	34	20/1			
			20/1	35	36	20/1			
			20/1	37	38	20/1			
			20/1	39	40	20/1			
			20/1	41	42	20/1			

VOLTS: 208 /120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (# # A)

NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
SLOT POWER		900	20/1	1	2	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	3	4	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	5	6	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	7	8	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	9	10	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	11	12	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	13	14	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	15	16	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	17	18	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	19	20	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	21	22	20/1	900	SLOT POWER	
SLOT POWER		600	20/1	23	24	20/1	900	SLOT POWER	
ATM POWER		1200	20/1	25	26	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	27	28	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	29	30	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	31	32	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	33	34	20/1		SPARE	
SPARE		20/1		35	36	20/1		SPARE	
SPARE		20/1		37	38	20/1		SPARE	
SPARE		20/1		39	40	20/1		SPARE	
SPARE		20/1		41	42	20/1		SPARE	

VOLTS: 208 /120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

TCSP3

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 31 KVA (85 A)

NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
MOTORIZED DAMPERS		300	20/1	1	2	20/1		SPARE	
MOTORIZED DAMPERS		200	20/1	3	4	20/1		SPARE	
SPARE			20/1	5	6	20/1	1020	BOH KITCHEN RESTROOM LTG	
SPARE			20/1	7	8	20/1		SPARE	
SPARE			20/1	9	10	20/1		SPARE	
SPARE			20/1	11	12	20/1		SPARE	
SPARE			20/1	13	14	20/1		SPARE	
SPARE			20/1	15	16	20/1		SPARE	
SPARE			20/1	17	18	20/1		SPARE	
SPARE			20/1	19	20	20/1		SPARE	
SPARE			20/1	21	22	20/1		SPARE	
SPARE			20/1	23	24	20/1		SPARE	
SPARE			20/1	25	26	20/1		SPARE	
SPARE			20/1	27	28	20/1		SPARE	
SPARE			20/1	29	30	20/1		SPARE	
SPARE			20/1	31	32	20/1		SPARE	
SPARE			20/1	33	34	20/1		SPARE	
SPARE			20/1	35	36	20/1		SPARE	
SPARE			20/1	37	38	20/1		SPARE	
SPARE			20/1	39	40	20/1		SPARE	
SPARE			20/1	41	42	20/1		SPARE	

VOLTS: 208 /120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

TCEL

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 2 KVA (4 A)

NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
			20/1	1	2	20/1			
			20/1	3	4	20/1			
			20/1	5	6	20/1			
			20/1	7	8	20/1			
			20/1	9	10	20/1			
			20/1	11	12	20/1			
			20/1	13	14	20/1			
			20/1	15	16	20/1			
			20/1	17	18	20/1			
			20/1	19	20	20/1			
			20/1	21	22	20/1			
			20/1	23	24	20/1			
			20/1	25	26	20/1			
			20/1	27	28	20/1			
			20/1	29	30	20/1			
			20/1	31	32	20/1			
			20/1	33	34	20/1			
			20/1	35	36	20/1			
			20/1	37	38	20/1			
			20/1	39	40	20/1			
			20/1	41	42	20/1			

VOLTS: 208 /120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

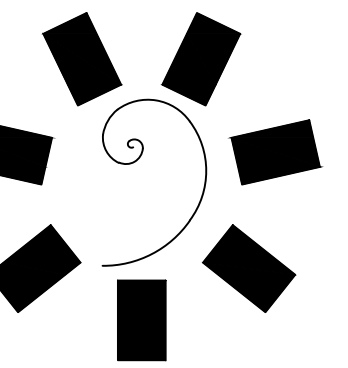
GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (# # A)

NEMA RATING: 1

TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
SLOT POWER		900	20/1	1	2	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	3	4	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	5	6	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	7	8	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	9	10	20/1	900	SLOT POWER	
SLOT POWER		900	20/1	11	12	20/1	900	SLOT POWER	
SLOT POWER		1200	20/1	13	14	20/1	1200	SLOT POWER	
SLOT POWER		900	20/1	15	16				



James R. Childers Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com

MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER: E0.23

PANEL SCHEDULES

PANEL INDEX		
'TCSHK2'	'TCK3'	-
'TCSHK3'	'TCK4'	'TCK1'
'TCSHK4'	'TCSHK1'	'TCK2'

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
E08	CONVENIENCE RECEPTACLE	1920	20/1	1	2	40	3120	COFFEE MAKER	E107	
E106	ICE TEA BREWER	1800	20/1	3	4	2	3120			
E09	CONVENIENCE RECEPTACLE	1920	20/1	5	6	20	1560	GLASSWASHER	E120	
E09	CONVENIENCE RECEPTACLE	1920	20/1	7	8	2	1560			
E09	CONVENIENCE RECEPTACLE	1920	20/1	9	10	20	1560	GLASSWASHER	E128	
E121	BLENDER RECEPTACLE	840	20/1	11	12	2	1560			
E123	CASH REGISTER	1440	20/1	13	14	20/1	600	SPEED GUN	E126	
E129	UNDERBAR LIGHTS	900	20/1	15	16	20/1	600	SPEED GUN	E126	
E123	CASH REGISTER	1440	20/1	17	18	20/1	600	CARBONATOR	E125	
E124	CONVENIENCE RECEPTACLE	1920	20/1	19	20	20	1560	GLASSWASHER	E128	
E125	CARBONATOR	600	20/1	21	22	2	1560			
E126	SPEED GUN	600	20/1	23	24	20/1	1920	CONVENIENCE RECEPTACLE	E124	
E126	SPEED GUN	600	20/1	25	26	20/1	600	SPEED GUN	E126	
E124	CONVENIENCE RECEPTACLE	1920	20/1	27	28	20/1	600	SPEED GUN	E126	
E127	BLENDER RECEPTACLE	840	20/1	29	30	20/1	600	CARBONATOR	E125	
E123	CASH REGISTER	1440	20/1	31	32	20/1	840	BLENDER RECEPTACLE	E127	
E124	CONVENIENCE RECEPTACLE	1920	20/1	33	34	20/1	1440	CASH REGISTER	E123	
E127	BLENDER RECEPTACLE	840	20/1	35	36	20/1	1920	CONVENIENCE RECEPTACLE	E124	
	SPARE		20/1	37	38	20/1		SPARE		
	SPARE		20/1	39	40	20/1		SPARE		
	SPARE		20/1	41	42	20/1		SPARE		

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

TOTAL LOAD: 50 KVA (139 A)
 DEMAND LOAD @65%: 33 KVA (90 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
E104	ICE & BEVERAGE DISPENSER	600	20/1	1	2	25	1250	ICE MAKER	E105	
E103	CARBONATOR	600	20/1	3	4	2	1250			
E106	ICE TEA BREWER	1800	20/1	5	6	40	3120	COFFEE MAKER	E107	
E108	CONDIMENT DISPENSER	1920	20/1	7	8	2	3120			
E08	CONVENIENCE RECEPTACLE	1920	20/1	9	10	40	3120	COFFEE MAKER	E107	
E08	CONVENIENCE RECEPTACLE	1920	20/1	11	12	2	3120			
E108	CONDIMENT DISPENSER	1920	20/1	13	14	25	1250	ICE MAKER	E105	
E106	ICE TEA BREWER	1800	20/1	15	16	2	1250			
E103	CARBONATOR	600	20/1	17	18	25	1250	ICE MAKER	E105	
E104	ICE & BEVERAGE DISPENSER	600	20/1	19	20	2	1250			
E103	CARBONATOR	600	20/1	21	22	40	3120	COFFEE MAKER	E107	
E106	ICE TEA BREWER	1800	20/1	23	24	2	3120			
E106	ICE TEA BREWER	1800	20/1	25	26	20/1		SPARE		
E108	CONDIMENT DISPENSER	1920	20/1	27	28	20/1		SPARE		
E08	CONVENIENCE RECEPTACLE	1920	20/1	29	30	20/1		SPARE		
	SPARE		20/1	31	32	20/1		SPARE		
	SPARE		20/1	33	34	20/1		SPARE		
	SPARE		20/1	35	36	20/1		SPARE		
	SPARE		20/1	37	38	20/1		SPARE		
	SPARE		20/1	39	40	20/1		SPARE		
	SPARE		20/1	41	42	20/1		SPARE		

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

TOTAL LOAD: 47 KVA (130 A)
 DEMAND LOAD @65%: 30 KVA (84 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
E09	CONVENIENCE RECEPTACLE	1920	20/1	1	2	60	5760			
E11	CONVENIENCE RECEPTACLE	1920	20/1	3	4	2	5760	CHEF'S COUNTER	E07	
E86	FREEZER	860	20/1	5	6	3	5760			
E100	DISPLAY MONITOR	1920	20/1	7	8	20/1	1920	CONVENIENCE RECEPTACLE	E09	
E100	DISPLAY MONITOR	1920	20/1	9	10	20/1	1920	CONVENIENCE RECEPTACLE	E09	
E18	PASS THRU REFRIGERATOR	700	20/1	11	12	20	1320			
E87	MOBILE HOT CABINET	1500	20/1	13	14	3	1320	WALK-IN COOLER REFRIG.	E72	
E101	CASH REGISTER	1440	20/1	15	16	3	1320			
E08	CONVENIENCE RECEPTACLE	1920	20/1	17	18	20/1	1920	FIXTURE	E54	
E101	CASH REGISTER	1440	20/1	19	20	20	720	BEER SYSTEM	E130	
E08	CONVENIENCE RECEPTACLE	1920	20/1	21	22	2	720			
	SPARE		20/1	23	24	20	720	BEER SYSTEM	E130	
E08	CONVENIENCE RECEPTACLE	1920	20/1	25	26	2	720			
E90	ICE CREAM CASE	700	20/1	27	28	20	720	BEER SYSTEM	E130	
E08	CONVENIENCE RECEPTACLE	1920	20/1	29	30	2	720			
E91	REFRIGERATED TABLE	700	20/1	31	32	20	720	BEER SYSTEM	E130	
E93	LETTUCE CRISPER	250	20/1	33	34	2	720			
E92	PATE CHILLER	700	20/1	35	36	20/1	860	WALK-IN COOLER LIGHTS	E71	
E10	CONVENIENCE RECEPTACLE	1660	20	37	38	20/1	320	WALK-IN COOLER COIL	E73	
	SPARE		20/1	39	40	20/1	550	WALK-IN COOLER LIGHTS	E70	
	SPARE		20/1	41	42	20/1				

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

TOTAL LOAD: 61 KVA (171 A)
 DEMAND LOAD @65%: 40 KVA (111 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K

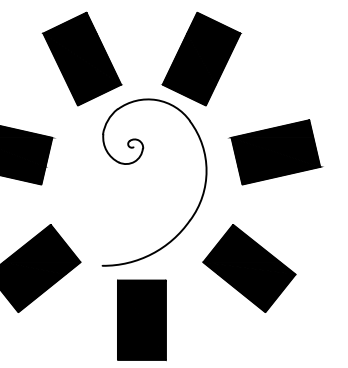
NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
E124	CONVENIENCE RECEPTACLE	1920	20/1	1	2	20	1560	GLASS WASHER	E128	
E123	CASH REGISTER	1440	20/1	3	4	2	1560			
E124	CONVENIENCE RECEPTACLE	1920	20/1	5	6	20/1	1920	CONVENIENCE RECEPTACLE	E08	
E125	CARBONATOR	600	20/1	7	8	20/1	1920	CONVENIENCE RECEPTACLE	E08	
E126	SPEED GUN	600	20/1	9	10	20/1	1920	CONVENIENCE RECEPTACLE	E08	
E127	BLENDER OUTLET	840	20/1	11	12	20	860	MUG FROSTER	E118	
E124	CONVENIENCE RECEPTACLE	1920	20/1	13	14	20	1660	CONVENIENCE RECEPTACLE	E10	
E124	CONVENIENCE RECEPTACLE	1920	20/1	15	16	2	1660			
E127	BLENDER OUTLET	840	20/1	17	18	20	1660	CONVENIENCE RECEPTACLE	E10	
E126	SPEED GUN	600	20/1	19	20	2	1660			
E125	CARBONATOR	600	20/1	21	22	20/1	700	BACK BAR COOLER	E119	
E124	CONVENIENCE RECEPTACLE	1920	20/1	23	24	20/1	1920	CONVENIENCE RECEPTACLE	E08	
E124	CONVENIENCE RECEPTACLE	1920	20/1	25	26	20	1660	CONVENIENCE RECEPTACLE	E10	
E123	CASH REGISTER	1440	20/1	27	28	2	1660			
E119	BACK BAR COOLER	700	20/1	29	30	20/1		SPARE		
E129	UNDER BAR LIGHTS	900	20/1	31	32	20/1		SPARE		
E119	BACK BAR COOLER	700	20/1	33	34	20/1		SPARE		
E10	CONVENIENCE RECEPTACLE	1660	20	35	36	20/1		SPARE		
	SPARE		20/1	37	38	20/1		SPARE		
	SPARE		20/1	39	40	20/1		SPARE		
	SPARE		20/1	41	42	20/1		SPARE		

VOLTS: 208 /120V, 30, 4W.
 AMPS: 100A 225A 400A
 MAIN: MCB MLO
 LUGS: DBL LUGS FEED-THRU
 MTD: SURFACE FLUSH
 BUSS: COPPER ALUMINUM
 DOOR: DOOR IN DOOR STANDARD

TOTAL LOAD: 46 KVA (129 A)
 DEMAND LOAD @65%: 30 KVA (84 A)

NEUTRAL BUS: 100% 200%
 GROUND BUS: STANDARD ISOLATED
 AIC RATING: 10K 14K 22K

NEMA RATING: 1										
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE	
E37	SMOKER	1800	20/1	1	2	35	2100			
E102	CONVENIENCE RECEPTACLE	1920	20/1	3	4	4	2100	WALK-IN FREEZER	E75	
E102	CONVENIENCE RECEPTACLE	1920	20/1	5	6	3	2100			
E27	FIRE SUPPRESSION SYSTEM	1800	20/1	7	8	20	1220	WALK-IN FREEZER COIL	E76	
E09	CONVENIENCE RECEPTACLE	1920	20/1	9	10	2	1220			
E11	CONVENIENCE RECEPTACLE	1920	20/1	11	12	20	580			
E08	CONVENIENCE RECEPTACLE	1920	20/1	13	14	20	580	WALK-IN COOLER	E78	
E08	CONVENIENCE RECEPTACLE	1920	20/1	15	16	3	580			
E54	FIXTURE	1920	20/1	17	18	20/1	1180	MOBILE MIXER	E15	
E74	WALK-IN FREEZER LIGHTS	540	20/1	19						



James R. Childers
Architect, Inc.
45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER: E0.24

PANEL SCHEDULES

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
20/1			1	2	20/1				
20/1			3	4	20/1				
20/1			5	6	20/1				
20/1			7	8	20/1				
20/1			9	10	20/1				
20/1			11	12	20/1				
20/1			13	14	20/1				
20/1			15	16	20/1				
20/1			17	18	20/1				
20/1			19	20	20/1				
20/1			21	22	20/1				
20/1			23	24	20/1				
20/1			25	26	20/1				
20/1			27	28	20/1				
20/1			29	30	20/1				
20/1			31	32	20/1				
20/1			33	34	20/1				
20/1			35	36	20/1				
20/1			37	38	20/1				
20/1			39	40	20/1				
20/1			41	42	20/1				

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (## A)

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
E27	FIRE SUPPRESSION SYSTEM	1800	20/1	1	2	20/1	1920	CONVENIENCE RECEPTACLE	E09
E25	VENTILATION LIGHTS	1000	20/1	3	4	20/1	1920	CONVENIENCE RECEPTACLE	E11
	SHUNT TRIP SPACE			5	6	20/1	1500	10 QUART KETTLE	E31
E32	RANGE	600	20/1	7	8	20/1	1500		
	SHUNT TRIP SPACE			9	10				
E38	REFRIGERATED EQUIPMENT STAND	700	20/1	11	12	20/1	600	TILTING BRAISING PAN	E30
	SHUNT TRIP SPACE			13	14				
E34	GRIDDLE	600	20/1	15	16	20/1	1180	CONVECTION OVEN	E29
	SHUNT TRIP SPACE			17	18				
E38	REFRIGERATED EQUIPMENT STAND	700	20/1	19	20	20/1	1180	CONVECTION OVEN	E29
	SHUNT TRIP SPACE			21	22				
E33	CHARBROILER	600	20/1	23	24	20/1	800	COMBI OVEN	E28
	SHUNT TRIP SPACE			25	26	20/1	800		
E36	FRYER FILTER	1180	20/1	27	28	20/1	800	SHUNT TRIP SPACE	
	SHUNT TRIP SPACE			29	30	20/1	800	COMBI OVEN	E28
E35	FRYER	600	20/1	31	32	20/1	800		
	SHUNT TRIP SPACE			33	34				
E19	FREEZER	870	20/1	35	36	20/1		SPARE	
	SHUNT TRIP SPACE			37	38	20/1		SPARE	
	SPARE			39	40	20/1		SPARE	
	SPARE			41	42	20/1		SPARE	

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 22 KVA (60 A)

DEMAND LOAD @65%: 14 KVA (39 A)

TCSHK7

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
20/1			1	2	20/1				
20/1			3	4	20/1				
20/1			5	6	20/1				
20/1			7	8	20/1				
20/1			9	10	20/1				
20/1			11	12	20/1				
20/1			13	14	20/1				
20/1			15	16	20/1				
20/1			17	18	20/1				
20/1			19	20	20/1				
20/1			21	22	20/1				
20/1			23	24	20/1				
20/1			25	26	20/1				
20/1			27	28	20/1				
20/1			29	30	20/1				
20/1			31	32	20/1				
20/1			33	34	20/1				
20/1			35	36	20/1				
20/1			37	38	20/1				
20/1			39	40	20/1				
20/1			41	42	20/1				

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (## A)

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
E08	CONVENIENCE RECEPTACLE	1920	20/1	1	2	20/1	310	SOUP WELL	E133
	SHUNT TRIP SPACE			3	4		310		
	SPARE			5	6	20/1	310	SOUP WELL	E133
	SPARE			7	8	20/1	310		
E25	VENTILATOR LIGHTS	1000	20/1	9	10	20/1	1500	COOK & HOLD CABINET	E40
	SHUNT TRIP SPACE			11	12	20/1	1500		
E13	MOBILE MIXER	1180	20/1	13	14	20/1	1250	ICE MAKER	E105
E39	MOBILE HOT CABINET	1500	20/1	15	16	20/1	1250		
E12	CONVENIENCE RECEPTACLE	1920	20/1	17	18	40	3120	COFFEE MAKER	E107
E12	CONVENIENCE RECEPTACLE	1920	20/1	19	20	20/1	3120		
E14	MOBILE SLICER	1180	20/1	21	22	20/1	1920	CONVENIENCE RECEPTACLE	E08
E41	COOK OIL SYSTEM	2400	25/1	23	24	20/1	1920	CONVENIENCE RECEPTACLE	E09
E41	SOOK OIL SYSTEM	2400	25/1	25	26	20/1	1920	CONVENIENCE RECEPTACLE	E11
E117	CARBONATOR	600	20/1	27	28	20/1	1120	ICE MAKER	E96
E08	CONVENIENCE RECEPTACLE	1920	20/1	29	30	20/1	1120		
E106	ICE TEA BREWER	1800	20/1	31	32	20/1	1660	CONVENIENCE RECEPTACLE	E10
E10	CONVENIENCE RECEPTACLE	1660	20/1	33	34	20/1	1660		
	SPARE			35	36	20/1		SHUNT TRIP SPACE	
	SPARE			37	38	20/1		SPARE	
	SPARE			39	40	20/1		SPARE	
	SPARE			41	42	20/1		SPARE	

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 47 KVA (131 A)

DEMAND LOAD @65%: 31 KVA (85 A)

TCSHK8

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
20/1			1	2	20/1				
20/1			3	4	20/1				
20/1			5	6	20/1				
20/1			7	8	20/1				
20/1			9	10	20/1				
20/1			11	12	20/1				
20/1			13	14	20/1				
20/1			15	16	20/1				
20/1			17	18	20/1				
20/1			19	20	20/1				
20/1			21	22	20/1				
20/1			23	24	20/1				
20/1			25	26	20/1				
20/1			27	28	20/1				
20/1			29	30	20/1				
20/1			31	32	20/1				
20/1			33	34	20/1				
20/1			35	36	20/1				
20/1			37	38	20/1				
20/1			39	40	20/1				
20/1			41	42	20/1				

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (## A)

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
	VAV BOXES	500	20/1	1	2	20/1	600	ROOFTOP RECEPTACLES	
	VAV BOXES	500	20/1	3	4	20/1	800	ROOFTOP RECEPTACLES	
	VAV BOXES	600	20/1	5	6	20/1	400	IDF ROOM RECEPTACLES	
	EF-7	530	20/1	7	8	20/1		SPARE	
	EF-3	870	20/1	9	10	20/1		SPARE	
	EF-2	870	20/1	11	12	20/1		SPARE	
	VAV BOXES	500	20/1	13	14	20/1		SPARE	
	HUH-1	500	20/1	15	16	20/1		SPARE	
	HUH-2	500	20/1	17	18	20/1		SPARE	
	HUH-3	500	20/1	19	20	20/1		SPARE	
	HUH-4	500	20/1	21	22	20/1		SPARE	
	SPARE			23	24	20/1		SPARE	
	SPARE			25	26	20/1		SPARE	
	SPARE			27	28	20/1		SPARE	
	SPARE			29	30	20/1		SPARE	
	SPARE			31	32	20/1		SPARE	
	SPARE			33	34	20/1		SPARE	
	SPARE			35	36	20/1		SPARE	
	SPARE			37	38	20/1		SPARE	
	SPARE			39	40	20/1		SPARE	
	SPARE			41	42	20/1		SPARE	

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

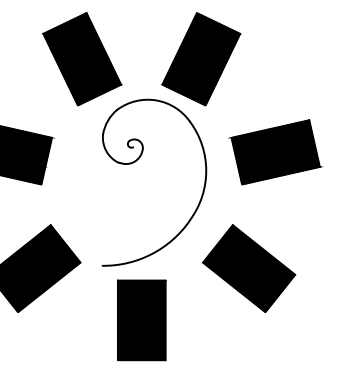
GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 8 KVA (23 A)

TCSHL1

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
E06	CASH REGISTER	1440							



James R. Childers Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com

MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER: E0.25

PANEL SCHEDULES

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
20/1			1	2	20/1				
20/1			3	4	20/1				
20/1			5	6	20/1				
20/1			7	8	20/1				
20/1			9	10	20/1				
20/1			11	12	20/1				
20/1			13	14	20/1				
20/1			15	16	20/1				
20/1			17	18	20/1				
20/1			19	20	20/1				
20/1			21	22	20/1				
20/1			23	24	20/1				
20/1			25	26	20/1				
20/1			27	28	20/1				
20/1			29	30	20/1				
20/1			31	32	20/1				
20/1			33	34	20/1				
20/1			35	36	20/1				
20/1			37	38	20/1				
20/1			39	40	20/1				
20/1			41	42	20/1				

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (## A)

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
E08	CONVENIENCE RECEPTACLE	1920	20/1	1	2	20/1	1660	CPNVENIENCE RECEPTACLE	E10
E08	CONVENIENCE RECEPTACLE	1920	20/1	3	4	20/1	1660		
E106	ICE TEA BREWER	1800	20/1	5	6	25	2000		
E23	CONVENIENCE RECEPTACLE	1920	20/1	7	8	2000		COFFEE URN	E131
E23	CONVENIENCE RECEPTACLE	1920	20/1	9	10	3	2000		
E23	CONVENIENCE RECEPTACLE	1920	20/1	11	12	20	1650	ICE MAKER	E95
E23	CONVENIENCE RECEPTACLE	1920	20/1	13	14	2	1650		
E24	MOBILE BANQUET CART	1500	20/1	15	16	20/1	220	WALK-IN COOLER EVAP. COIL	E63
E24	MOBILE BANQUET CART	1500	20/1	17	18	35	3000		
E24	MOBILE BANQUET CART	1500	20/1	19	20	3000		BAIN MARIE HEATER	E02
E24	MOBILE BANQUET CART	1500	20/1	21	22	3	3000		
E08	CONVENIENCE RECEPTACLE	1920	20/1	23	24	35	3000		
E08	CONVENIENCE RECEPTACLE	1920	20/1	25	26	3	3000	BAIN MARIE HEATER	E02
E09	CONVENIENCE RECEPTACLE	1920	20/1	27	28	3	3000		
E09	CONVENIENCE RECEPTACLE	1920	20/1	29	30	20/1	1180	MOBILE SLICER	E82
E09	CONVENIENCE RECEPTACLE	1920	20/1	31	32	20	1320		
E11	CONVENIENCE RECEPTACLE	1920	20/1	33	34	20	1320	60 QUART MIXER	E17
E61	WALK-IN COOLER LIGHTS	490	20/1	35	36	3	1320		
	SPARE		20/1	37	38	20/1			
	SPARE		20/1	39	40	20/1			
	SPARE		20/1	41	42	20/1			

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 67 KVA (187 A)

DEMAND LOAD @65%: 44 KVA (121 A)

TCCCK3

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
20/1			1	2	20/1				
20/1			3	4	20/1				
20/1			5	6	20/1				
20/1			7	8	20/1				
20/1			9	10	20/1				
20/1			11	12	20/1				
20/1			13	14	20/1				
20/1			15	16	20/1				
20/1			17	18	20/1				
20/1			19	20	20/1				
20/1			21	22	20/1				
20/1			23	24	20/1				
20/1			25	26	20/1				
20/1			27	28	20/1				
20/1			29	30	20/1				
20/1			31	32	20/1				
20/1			33	34	20/1				
20/1			35	36	20/1				
20/1			37	38	20/1				
20/1			39	40	20/1				
20/1			41	42	20/1				

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (## A)

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
E11	CONVENIENCE RECEPTACLE	1920	20/1	1	2	20	580		
E09	CONVENIENCE RECEPTACLE	1920	20/1	3	4	580		WALK-IN COOLER SYSTEM	E62
	SPARE		20/1	5	6	3	580		
	SPARE		20/1	7	8	20	800	COMBI OVEN	E28
E26	VENTILATOR FAN CONTROL SYSTEM	1920	20/1	9	10	2	800		
E54	FIXTURE	1920	20/1	11	12			SHUNT TRIP SPACE	
E27	FIRE SUPPRESSION SYSTEM	1800	20/1	13	14	20	800	COMBI OVEN	E28
E25	VENTILATION LIGHTS	1000	20/1	15	16	2	800		
	SHUNT TRIP SPACE		17	18				SHUNT TRIP SPACE	
E29	CONVECTION OVEN	1180	20/1	19	20	20	800	COMBI OVEN	E28
	SHUNT TRIP SPACE		21	22	2	800			
E29	CONVECTION OVEN	1180	20/1	23	24			SHUNT TRIP SPACE	
	SHUNT TRIP SPACE		25	26	20	800	COMBI OVEN	E28	
E29	CONVECTION OVEN	1180	20/1	27	28	2	800		
	SHUNT TRIP SPACE		29	30				SHUNT TRIP SPACE	
E29	CONVECTION OVEN	1180	20/1	31	32	20/1		SPARE	
	SHUNT TRIP SPACE		33	34	20/1			SPARE	
	SPARE		20/1	35	36	20/1		SPARE	
	SPARE		20/1	37	38	20/1		SPARE	
	SPARE		20/1	39	40	20/1		SPARE	
	SPARE		20/1	41	42	20/1		SPARE	

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 23 KVA (65 A)

DEMAND LOAD @65%: 15 KVA (42 A)

TCCCK4

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
20/1			1	2	20/1				
20/1			3	4	20/1				
20/1			5	6	20/1				
20/1			7	8	20/1				
20/1			9	10	20/1				
20/1			11	12	20/1				
20/1			13	14	20/1				
20/1			15	16	20/1				
20/1			17	18	20/1				
20/1			19	20	20/1				
20/1			21	22	20/1				
20/1			23	24	20/1				
20/1			25	26	20/1				
20/1			27	28	20/1				
20/1			29	30	20/1				
20/1			31	32	20/1				
20/1			33	34	20/1				
20/1			35	36	20/1				
20/1			37	38	20/1				
20/1			39	40	20/1				
20/1			41	42	20/1				

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100% 200%

GROUND BUS: STANDARD ISOLATED

AIC RATING: 10K 14K 22K

TOTAL LOAD: 0 KVA (## A)

NEMA RATING: 1									
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE
E11	CONVENIENCE RECEPTACLE	1920	20/1	1	2	20/1	1180	FRYER FILTER	E36
E09	CONVENIENCE RECEPTACLE	1920	20/1	3	4			SHUNT TRIP SPACE	
E84	60 GALLON TILTING KETTLE	600	20/1	5	6	20/1	600	FRYER	E35
	SHUNT TRIP SPACE		7	8				SHUNT TRIP SPACE	
E83	TILTING BRAISING PAN	600	20/1	9	10	20/1	600	FRYER	E35
	SHUNT TRIP SPACE		11	12				SHUNT TRIP SPACE	
E83	TILTING BRAISING PAN	600	20/1	13	14	20/1		SPARE	
	SHUNT TRIP SPACE		15	16	20/1			SPARE	
E33	CHARBROILER	600	20/1	17	18	20/1		SPARE	
	SHUNT TRIP SPACE		19	20	20/1			SPARE	
E32	RANGE	600	20/1	21	22	20/1		SPARE	
	SHUNT TRIP SPACE		23	24	20/1			SPARE	
	SPARE		20/1	25	26	20/1		SPARE	
	SPARE		20/1	27	28	20/1		SPARE	
	SPARE		20/1	29	30	20/1		SPARE	
	SPARE		20/1	31	32	20/1		SPARE	
	SPARE		20/1	33	34	20/1		SPARE	
	SPARE		20/1	35	36	20/1		SPARE	
	SPARE		20/1	37	38	20/1		SPARE	
	SPARE		20/1	39	40	20/1		SPARE	
	SPARE		20/1	41	42	20/1		SPARE	

VOLTS: 208 / 120V, 30, 4W.

AMPS: 100A 225A 400A

MAIN: MCB MLO

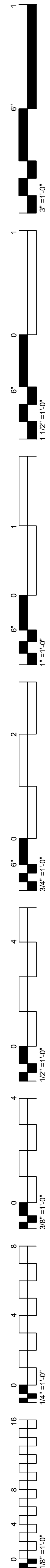
LUGS: DBL LUGS FEED-THRU

MTD: SURFACE FLUSH

BUSS: COPPER ALUMINUM

DOOR: DOOR IN DOOR STANDARD

NEUTRAL BUS: 100%



NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE		
	SURVEILLANCE RECEPTACLE	600	20/1	1	2	20/1	600	DROP & ISSUE RECEPTACLES			
	SURVEILLANCE RECEPTACLE	600	20/1	3	4	20/1	800	DROP & ISSUE RECEPTACLES			
	SURVEILLANCE RECEPTACLE	900	20/1	5	6	20/1	1200	CASHIER RECEPTACLES			
	SURVEILLANCE RECEPTACLE	800	20/1	7	8	20/1	800	CASHIER RECEPTACLES			
	SURVEILLANCE RECEPTACLE	800	20/1	9	10	20/1	800	CASHIER RECEPTACLES			
	SURVEILLANCE RECEPTACLE	800	20/1	11	12	20/1	400	CASHIER RECEPTACLES			
	SURVEILLANCE RECEPTACLE	600	20/1	13	14	20/1	800	CASHIER RECEPTACLES			
	VIEWING RECEPTACLES	400	20/1	15	16	20/1	400	CASHIER RECEPTACLES			
	VIEWING RECEPTACLES	100	20/1	17	18	20/1	400	REVENUE AUDIT			
	CSA RECEPTACLES	800	20/1	19	20	20/1	400	REVENUE AUDIT			
	CASHIER OFFICE RECEPTACLES	1000	20/1	23	24	20/1		SPARE			
	SHIFT SUPERVISOR RECEPTS	800	20/1	25	26	20/1		SPARE			
	SHIFT SUPERVISOR RECEPTS	800	20/1	27	28	20/1		SPARE			
	DROP & ISSUE RECEPTACLES	400	20/1	29	30	20/1		SPARE			
	DROP & ISSUE RECEPTACLES	400	20/1	31	32	20/1		SPARE			
	DROP & ISSUE RECEPTACLES	400	20/1	33	34	20/1		SPARE			
	SPARE		20/1	35	36	20/1		SPARE			
	SPARE		20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			
VOLTS: <input checked="" type="radio"/> 208 /120V, 30, 4W.							TOTAL LOAD:		18 KVA (49 A)		
AMPS: <input type="radio"/> 100A <input type="radio"/> 225A <input type="radio"/> 400A											
MAIN: <input type="radio"/> MCB <input type="radio"/> MLO											
LUGS: <input type="radio"/> DBL LUGS <input type="radio"/> FEED-THRU											
MTD: <input type="radio"/> SURFACE <input type="radio"/> FLUSH											
BUSS: <input checked="" type="radio"/> COPPER <input type="radio"/> ALUMINUM											
DOOR: <input checked="" type="radio"/> DOOR IN DOOR <input type="radio"/> STANDARD											
NEUTRAL BUS: <input type="radio"/> 100% <input checked="" type="radio"/> 200%											
GROUND BUS: <input type="radio"/> STANDARD <input checked="" type="radio"/> ISOLATED											
AIC RATING: <input type="radio"/> 10K <input type="radio"/> 14K <input type="radio"/> 22K											

TCU1

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE		
	NETWORK RACK #1	2000	30/1	1	2	20/1	2000	SPARE			
	NETWORK RACK #2	2000	30/1	3	4	20/1	2000	SPARE			
	NETWORK RACK #3	2000	30/1	5	6	20/1	2000	SPARE			
	NETWORK RACK #4	2000	30/1	7	8	20/1	2000	SPARE			
	AV RACK #5	2000	30/1	9	10	20/1	2000	SPARE			
	AV RACK #5	2000	30/1	11	12	20/1	2000	SPARE			
	NETWORK RACK	2000	30/1	13	14	20/1	2000	SPARE			
	SPARE		20/1	15	16	20/1		SPARE			
	SPARE		20/1	17	18	20/1		SPARE			
	SPARE		20/1	19	20	20/1		SPARE			
	SPARE		20/1	21	22	20/1		SPARE			
	SPARE		20/1	23	24	20/1		SPARE			
	SPARE		20/1	25	26	20/1		SPARE			
	SPARE		20/1	27	28	20/1		SPARE			
	SPARE		20/1	29	30	20/1		SPARE			
	SPARE		20/1	31	32	20/1		SPARE			
	SPARE		20/1	33	34	20/1		SPARE			
	SPARE		20/1	35	36	20/1		SPARE			
	SPARE		20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			
VOLTS: <input checked="" type="radio"/> 208 /120V, 30, 4W.							TOTAL LOAD:		14 KVA (39 A)		
AMPS: <input type="radio"/> 100A <input type="radio"/> 225A <input type="radio"/> 400A											
MAIN: <input type="radio"/> MCB <input type="radio"/> MLO											
LUGS: <input type="radio"/> DBL LUGS <input type="radio"/> FEED-THRU											
MTD: <input type="radio"/> SURFACE <input type="radio"/> FLUSH											
BUSS: <input checked="" type="radio"/> COPPER <input type="radio"/> ALUMINUM											
DOOR: <input type="radio"/> DOOR IN DOOR <input type="radio"/> STANDARD											
NEUTRAL BUS: <input type="radio"/> 100% <input checked="" type="radio"/> 200%											
GROUND BUS: <input type="radio"/> STANDARD <input checked="" type="radio"/> ISOLATED											
AIC RATING: <input type="radio"/> 10K <input type="radio"/> 14K <input type="radio"/> 22K											

TCIDF3

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE		
	SUPERVISOR OFFICE RECEPTS	800	20/1	1	2	20/1	400	VAULT RECEPTACLES			
	SUPERVISOR OFFICE RECEPTS	400	20/1	3	4	20/1	400	VAULT RECEPTACLES			
	TRAP RECEPTACLES	800	20/1	5	6	20/1	400	VAULT RECEPTACLES			
	CART RECEPTACLES	400	20/1	7	8	20/1	400	VAULT RECEPTACLES			
	CART RECEPTACLES	400	20/1	9	10	20/1	400	VAULT RECEPTACLES			
	CART RECEPTACLES	400	20/1	11	12	20/1	400	VAULT RECEPTACLES			
	CART RECEPTACLES	400	20/1	13	14	20/1	400	MAIN CAGE RECEPTACLES			
	CART RECEPTACLES	400	20/1	15	16	20/1	400	MAIN CAGE RECEPTACLES			
	CART RECEPTACLES	400	20/1	17	18	20/1	400	MAIN CAGE RECEPTACLES			
	CART RECEPTACLES	400	20/1	19	20	20/1	400	MAIN CAGE RECEPTACLES			
	CART RECEPTACLES	400	20/1	21	22	20/1	400	MAIN CAGE RECEPTACLES			
	CART RECEPTACLES	400	20/1	23	24	20/1	400	MAIN CAGE RECEPTACLES			
	CAGE MANAGER RECEPTACLES	600	20/1	25	26	20/1	400	MAIN CAGE RECEPTACLES			
	SPARE		20/1	27	28	20/1	400	MAIN CAGE RECEPTACLES			
	SPARE		20/1	29	30	20/1		SPARE			
	SPARE		20/1	31	32	20/1		SPARE			
	SPARE		20/1	33	34	20/1		SPARE			
	SPARE		20/1	35	36	20/1		SPARE			
	SPARE		20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			
VOLTS: <input checked="" type="radio"/> 208 /120V, 30, 4W.							TOTAL LOAD:		12 KVA (33 A)		
AMPS: <input type="radio"/> 100A <input type="radio"/> 225A <input type="radio"/> 400A											
MAIN: <input type="radio"/> MCB <input type="radio"/> MLO											
LUGS: <input type="radio"/> DBL LUGS <input type="radio"/> FEED-THRU											
MTD: <input type="radio"/> SURFACE <input type="radio"/> FLUSH											
BUSS: <input checked="" type="radio"/> COPPER <input type="radio"/> ALUMINUM											
DOOR: <input type="radio"/> DOOR IN DOOR <input type="radio"/> STANDARD											
NEUTRAL BUS: <input type="radio"/> 100% <input checked="" type="radio"/> 200%											
GROUND BUS: <input type="radio"/> STANDARD <input checked="" type="radio"/> ISOLATED											
AIC RATING: <input type="radio"/> 10K <input type="radio"/> 14K <input type="radio"/> 22K											

TCU2

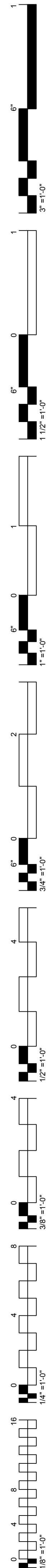
NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE		
	AV RACK #8	2000	30/1	1	2	30/1	2000	AV RACK #9			
	AV RACK #8	1000	20/1	3	4	20/1	1000	GAMING RACK #7			
	AV RACK #8	1000	20/1	5	6	20/1	1000	GAMING RACK #6			
	IT RACK #3	1200	30	7	8	20/1	400	GAMING RACK #4			
	IT RACK #3	1200	2	9	10	20/1	1000	GAMING RACK #5			
	IT RACK #3	1200	30	11	12	30	1200	SURVEILLANCE RACK #2			
	IT RACK #3	1200	2	13	14	2	1200	SURVEILLANCE RACK #2			
	NETWORK RACK #1	400	20/1	15	16	30	1200	SURVEILLANCE RACK #2			
	NETWORK RACK #2	400	20/1	17	18	2	1200	ACCESS CONTROL RECEPTACLES			
	NETWORK RACK #3	400	20/1	19	20	20/1	800	ACCESS CONTROL RECEPTACLES			
	NETWORK RACK #4	400	20/1	21	22	20/1	400	DEMARQ RECEPTACLE			
	NETWORK RACK #5	400	20/1	23	24	20/1	400	DEMARQ RECEPTACLE			
	NETWORK RACK	400	20/1	25	26	20/1	400	DEMARQ RECEPTACLE			
	SPARE		20/1	27	28	20/1	400	DEMARQ RECEPTACLE			
	SPARE		20/1	29	30	30	1200	SURVEILLANCE RACK #1			
	SPARE		20/1	31	32	2	1200	SURVEILLANCE RACK #1			
	SPARE		20/1	33	34	30	1200	SURVEILLANCE RACK #1			
	SPARE		20/1	35	36	2	1200	SURVEILLANCE RACK #1			
	SPARE		20/1	37	38	20/1		SPARE			
	SPARE		20/1	39	40	20/1		SPARE			
	SPARE		20/1	41	42	20/1		SPARE			
VOLTS: <input checked="" type="radio"/> 208 /120V, 30, 4W.							TOTAL LOAD:		29 KVA (81 A)		
AMPS: <input type="radio"/> 100A <input type="radio"/> 225A <input type="radio"/> 400A											
MAIN: <input type="radio"/> MCB <input type="radio"/> MLO											
LUGS: <input type="radio"/> DBL LUGS <input type="radio"/> FEED-THRU											
MTD: <input type="radio"/> SURFACE <input type="radio"/> FLUSH											
BUSS: <input checked="" type="radio"/> COPPER <input type="radio"/> ALUMINUM											
DOOR: <input type="radio"/> DOOR IN DOOR <input type="radio"/> STANDARD											
NEUTRAL BUS: <input type="radio"/> 100% <input checked="" type="radio"/> 200%											
GROUND BUS: <input type="radio"/> STANDARD <input checked="" type="radio"/> ISOLATED											
AIC RATING: <input type="radio"/> 10K <input type="radio"/> 14K <input type="radio"/> 22K											

TCMDF1

NEMA RATING: 1											
TYPE	DESCRIPTION	LOAD	BREAKER	CKT	CKT	BREAKER	LOAD	DESCRIPTION	TYPE		
	NETWORK RACK #1	2000	30/1	1	2	20/1	2000	SPARE			
	NETWORK RACK #2	2000	30/1	3	4	20/1	2000	SPARE			
	NETWORK RACK #3	2000	30/1	5	6	20/1	2000	SPARE			
	NETWORK RACK #4	2000	30/1	7	8	20/1	2000	SPARE			
	AV RACK #5	2000	30/1	9	10	20/1	2000	SPARE			
	AV RACK #5	2000	30/1	11	12	20/1	2000	SPARE			
	NETWORK RACK	2000	30/1	13	14	20/1	2000	SPARE			
	SPARE		20/1	15	16	20/1		SPARE			
	SPARE		20/1	17	18	20/1		SPARE			
	SPARE		20/1	19	20	20/1		SPARE			
	SPARE		20/1	21	22	20/1		SPARE			
	SPARE		20/1	23	24	20/1		SPARE			
	SPARE		20/1	25	26	20/1		SPARE			
	SPARE		20/1	27	28	20/1		SPARE			
	SPARE		20/1	29	30	20/1		SPARE			
	SPARE		20/1	31	32			SPARE			
	SPARE		20/1	33	34			SPARE			
	SPARE		20/1	35	36			SPARE			
	SPARE		20/1	37	38			SPARE			
	SPARE		20/1	39	40			SPARE			
	SPARE		20/1	41	42			SPARE			
VOLTS: <input checked="" type="radio"/> 208 /120V, 30, 4W.							TOTAL LOAD:		14 KVA (39 A)		
AMPS: <input type="radio"/> 100A <input type="radio"/> 225A <input type="radio"/> 400A											
MAIN: <input type="radio"/> MCB <input type="radio"/> MLO											
LUGS: <input type="radio"/> DBL LUGS <input type="radio"/> FEED-THRU											
MTD: <input type="radio"/> SURFACE <input type="radio"/> FLUSH											
BUSS: <input checked="" type="radio"/> COPPER <input type="radio"/> ALUMINUM											
DOOR: <input type="radio"/> DOOR IN DOOR <input type="radio"/> STANDARD											
NEUTRAL BUS: <input type="radio"/> 100% <input checked="" type="radio"/> 200%											
GROUND BUS: <input type="radio"/> STANDARD <input checked="" type="radio"/> ISOLATED											
AIC RATING: <input type="radio"/> 10K <input type="radio"/> 14K <input type="radio"/> 22K											

TCIDF1

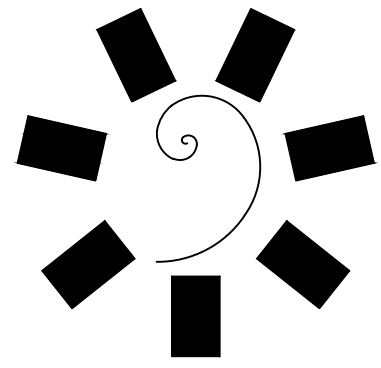
NEMA RATING: 1											
----------------	--	--	--	--	--	--	--	--	--	--	--



DIMMER 'TCDRE' SCHEDULE					RACK: 48 MODULES
INCOMING LINE: 120/208V, 3Φ,4W		MAINS RATING: A		LOAD: 5 KVA	
DIMMER NUMBER	WATTAGE RATING	LOAD	LOAD LOCATION	LOAD DESCRIPTION	CONTROL CHANNEL
E1	2400	270	MENS 24 & WOMENS 22	FIXTURE 'L14'	
E2	2400	540	MENS 11 & WOMENS 13	FIXTURE 'L14'	
E3	2400	100	MENS 24 & WOMENS 22	FIXTURE 'L17'	NON-DIM
E4	2400	500	MENS 11 & WOMENS 22	FIXTURE 'L17'	NON-DIM
E5	2400	1100	GAMING	FIXTURE 'L16'	0-10V
E6	2400	1170	GAMING	FIXTURE 'L16'	0-10V
E7	2400	600	ENTRY	FIXTURE 'LF-03'	TBD
E8	2400		SPARE		TBD
E9	2400	110	PLAYERS CLUB	FIXTURE 'L14'	
E10	2400	160	CASHIER	FIXTURE 'L14'	
E11	2400	1250	LOUNGE	FIXTURE 'L16'	0-10V
E12	2400	320	BAR	FIXTURE 'L16'	0-10V
E13	2400	390	VIP EVENT	FIXTURE 'L16'	0-10V
E14	2400		SPARE		
E15	2400	110	STEAKHOUSE WAITING FIXTURE	FIXTURE 'L15'	
E16	2400	90	STEAKHOUSE HOUSE R.R.	FIXTURE 'L15'	
E17	2400	90	STEAKHOUSE HOUSE DINING	FIXTURE 'L15'	
E18	2400	530	STEAKHOUSE	FIXTURE 'L15'	
E19	2400	70	STEAKHOUSE BAR	FIXTURE 'L15'	
E20	2400	90	STEAKHOUSE PRIVATE DINING	FIXTURE 'L15'	
E21	2400		SPARE	SPARE	
E22	2400		SPARE	SPARE	
E23	2400		SPARE	SPARE	
E24	2400		SPARE	SPARE	
E25	2400		SPARE	SPARE	
E26	2400		SPARE	SPARE	
E27	2400		SPARE	SPARE	
E28	2400		SPARE	SPARE	
E29	2400		SPARE	SPARE	
E30	2400		SPARE	SPARE	
E31	2400		SPARE	SPARE	
E32	2400		SPARE	SPARE	
E33	2400		SPARE	SPARE	
E34	2400		SPARE	SPARE	
E35	2400		SPARE	SPARE	
E36	2400		SPARE	SPARE	
E37	2400		SPARE	SPARE	
E38	2400		SPARE	SPARE	
E39	2400		SPARE	SPARE	
E40	2400		SPARE	SPARE	
E41	2400		SPARE	SPARE	
E42	2400		SPARE	SPARE	
E43	2400		SPARE	SPARE	
E44	2400		SPARE	SPARE	
E45	2400		SPARE	SPARE	
E46	2400		SPARE	SPARE	
E47	2400		SPARE	SPARE	
E48	2400		SPARE	SPARE	

DIMMER 'TCDRN' SCHEDULE					RACK: 96 MODULES
INCOMING LINE: 120/208V, 3Φ,4W		MAINS RATING: 800 A		LOAD: 36 KVA	
DIMMER NUMBER	WATTAGE RATING	LOAD	LOAD LOCATION	LOAD DESCRIPTION	CONTROL CHANNEL
1	2400	1030	NORTHWEST EXTERIOR	FIXTURE 'LF-01'	
2	2400	620	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
3	2400	680	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
4	2400	550	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
5	2400	570	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
6	2400	920	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
7	2400	840	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
8	2400	970	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
9	2400	570	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
10	2400	620	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
11	2400	1030	SOUTH WEST EXTERIOR	FIXTURE 'LF-01'	
12	2400		SPARE		
13	2400	1080	NORTHWEST EXTERIOR	FIXTURE 'LF-02'	
14	2400	640	WEST FRONT EXTERIOR	FIXTURE 'LF-02'	
15	2400	710	WEST FRONT EXTERIOR	FIXTURE 'LF-02'	
16	2400	580	WEST FRONT EXTERIOR	FIXTURE 'LF-02'	
17	2400	600	WEST FRONT EXTERIOR	FIXTURE 'LF-02'	
18	2400	970	WEST FRONT EXTERIOR	FIXTURE 'LF-02'	
19	2400	870	WEST FRONT EXTERIOR	FIXTURE 'LF-02'	
20	2400	1010	SOUTH WEST EXTERIOR	FIXTURE 'LF-02'	
21	2400	1030	NORTHWEST EXTERIOR	FIXTURE 'LF-01'	
22	2400	620	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
23	2400	680	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
24	2400	550	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
25	2400	570	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
26	2400	920	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
27	2400	840	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
28	2400	970	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
29	2400	570	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
30	2400	620	WEST FRONT EXTERIOR	FIXTURE 'LF-01'	
31	2400	1030	SOUTH WEST EXTERIOR	FIXTURE 'LF-01'	
32	2400		SPARE		
33	2400	1200	GAMING-THEME LTG	FIXTURE 'LL-01'	NON-DIM
34	2400	1390	GAMING-THEME LTG	FIXTURE 'LL-01'	NON-DIM
35	2400	1230	GAMING-THEME LTG	FIXTURE 'LL-01'	NON-DIM
36	2400		SPARE		
37	2400	1330	GAMING GENERAL LTG	FIXTURE 'L16'	0-10V
38	2400	1410	GAMING GENERAL LTG	FIXTURE 'L16'	0-10V
39	2400	1410	GAMING GENERAL LTG	FIXTURE 'L16'	0-10V
40	2400	1100	GAMING GENERAL LTG	FIXTURE 'L16'	0-10V
41	2400	1330	GAMING GENERAL LTG	FIXTURE 'L16'	0-10V
42	2400		SPARE	SPARE	
43	2400	300	MENS 24 & WOMENS 22	MIRROR LTG	NON-DIM
44	2400	700	MENS 11 & WOMENS 13	MIRROR LTG	NON-DIM
45	2400	960	ENTRY	FIXTURE 'T1'	TBD
46	2400		SPARE	SPARE	
47	2400	600	VESTIBULE	FIXTURE 'LF-03'	TBD
48	2400		SPARE	SPARE	

DIMMER 'TCDRN' SCHEDULE					RACK: 96 MODULES
INCOMING LINE: 120/208V, 3Φ,4W		MAINS RATING: 800 A		LOAD: 8 KVA	
DIMMER NUMBER	WATTAGE RATING	LOAD	LOAD LOCATION	LOAD DESCRIPTION	CONTROL CHANNEL
49	2400	110	PAYERS CLUB	FIXTURE 'L14'	TBD
50	2400		SPARE	SPARE	
51	2400	480	PLAYERS CLUB	FIXTURE 'DL5'	TBD
52	2400		SPARE	SPARE	
53	2400	1040	LOUNGE	FIXTURE 'L16'	0-10V
54	2400	900	LOUNGE	FIXTURE 'L16'	0-10V
55	2400	300	BAR	FIXTURE 'LL-02'	TBD
56	2400	300	BAR	FIXTURE 'LL-03'	TBD
57	2400	300	BAR	FIXTURE 'LL-02'	TBD
58	2400		SPARE	SPARE	
59	2400	720	GRAB AND GO	FIXTURE 'DL8'	TBD
60	2400		SPARE	SPARE	
61	2400	360	GRAB AND GO	FIXTURE 'DL7'	TBD
62	2400		SPARE	SPARE	
63	2400	140	VIP EVENT	FIXTURE 'L16'	0-10V
64	2400		SPARE	SPARE	
65	2400	110	STEAKHOUSE WAITING	FIXTURE 'L15'	
66	2400	440	STEAK HOUSE	FIXTURE 'L15'	
67	2400	50	STEAK HOUSE BAR	FIXTURE 'L15'	
68	2400	110	STEAK HOUSE DINING	FIXTURE 'L15'	
69	2400	160	STEAK HOUSE PRIVATE DINNING	FIXTURE 'L15'	
70	2400		SPARE	SPARE	
71	2400	180	STEAK HOUSE PRIVATE DINNING	FIXTURE 'DL4'	
72	2400	480	STEAK HOUSE	FIXTURE 'DL3'	
73	2400	300	STEAK HOUSE BAR	FIXTURE 'LL-03'	
74	2400	300	STEAK HOUSE BAR	FIXTURE 'LL-02'	
75	2400	300	STEAK HOUSE BAR	FIXTURE 'LL-02'	
76	2400	250	SPARE	SPARE	
77	2400	200	STEAK HOUSE R.R.	MIRRORS	NON-DIM
78	2400	70	KITCHEN R.R.	MIRRORS	NON-DIM
79	2400	400	GAMING	COLUMN LIGHTING ELEMENT	TBD
80	2400	400	GAMING	COLUMN LIGHTING ELEMENT	TBD
81	2400		SPARE	SPARE	
82	2400		SPARE	SPARE	
83	2400		SPARE	SPARE	
84	2400		SPARE	SPARE	
85	2400		SPARE	SPARE	
86	2400		SPARE	SPARE	
87	2400		SPARE	SPARE	
88	2400		SPARE	SPARE	
89	2400		SPARE	SPARE	
90	2400		SPARE	SPARE	
91	2400		SPARE	SPARE	
92	2400		SPARE	SPARE	
93	2400		SPARE	SPARE	
94	2400		SPARE	SPARE	
95	2400		SPARE	SPARE	
96	2400		SPARE	SPARE	



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041

CLIENT:
CHEROKEE NATION
Entertainment
Cherokee
CASINO

CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

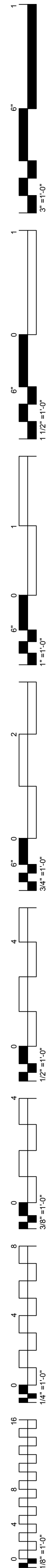
PROJECT PHASE:
BID PACKAGE 05

#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:
E0.30

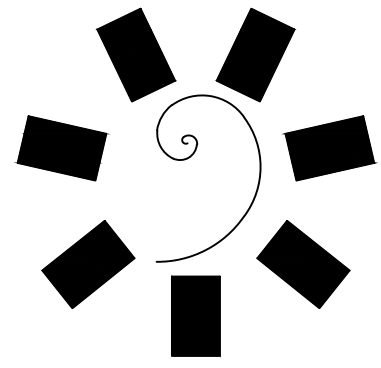
DIMMER SCHEDULES



EMERGENCY LIGHTING TRANSFER CABINET 'TCCCDRE' SCHEDULE					PANEL: 48 CIRCUITS
INCOMING LINE: 120/208V, 3~,4W		MAINS RATING: xxxxA		LOAD: 3 KVA	
DIMMER NUMBER	CIRCUIT NUMBER	CIRCUIT BREAKER	LOAD	LOAD LOCATION	LOAD DESCRIPTION
32	X1	20A	180	BREAKOUT ROOM	
33	X2	20A	315	BREAKOUT ROOM	
34	X3	20A	290	RESTROOM	
35	X4	20A	140	RESTROOM	
36	X5	20A	140	RESTROOM	
37	X6	20A	290	RESTROOM	
38	X7	20A	490	PRE FUNCTION	
39	X8	20A	440	PRE FUNCTION	
40	X9	20A	110	SW BANQUET	
41	X10	20A	90	SW CENTER BANQUET	
42	X11	20A	90	SE CENTER BANQUET	
43	X12	20A	110	SE BANQUET	
44	X13	20A	110	NW BANQUET	
45	X14	20A	90	NW CENTER BANQUET	
46	X15	20A	90	NE CENTER BANQUET	
47	X16	20A	110	NE BANQUET	

DIMMER 'TCCCDRN' SCHEDULE					RACK: 96 MODULES
INCOMING LINE: 120/208V, 3Φ,4W		MAINS RATING: 800 A		LOAD: 17 KVA	
DIMMER NUMBER	WATTAGE RATING	LOAD	LOAD LOCATION	LOAD DESCRIPTION	CONTROL CHANNEL
1	2400	495	NE BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
2	2400	605	NE BANQUET ROOM	DOWNLIGHTS	TBD
3	2400	120	NE BANQUET ROOM	DECO. FIXTURE	TBD
4	2400	550	NE CENTER BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
5	2400	605	NE CENTER BANQUET ROOM	DOWNLIGHTS	TBD
6	2400	120	NE CENTER BANQUET ROOM	DECO. FIXTURE	TBD
7	2400	550	NW CENTER BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
8	2400	605	NW CENTER BANQUET ROOM	DOWNLIGHTS	TBD
9	2400	120	NW CENTER BANQUET ROOM	DECO. FIXTURE	TBD
10	2400	495	NW BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
11	2400	605	NW BANQUET ROOM	DOWNLIGHTS	TBD
12	2400	120	NW BANQUET ROOM	DECO. FIXTURE	TBD
13	2400	495	SE BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
14	2400	605	SE BANQUET ROOM	DOWNLIGHTS	TBD
15	2400	120	SE BANQUET ROOM	DECO. FIXTURE	TBD
16	2400	550	SE CENTER BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
17	2400	605	SE CENTER BANQUET ROOM	DOWNLIGHTS	TBD
18	2400	120	SE CENTER BANQUET ROOM	DECO. FIXTURE	TBD
19	2400	550	SW CENTER BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
20	2400	605	SW CENTER BANQUET ROOM	DOWNLIGHTS	TBD
21	2400	120	SW CENTER BANQUET ROOM	DECO. FIXTURE	TBD
22	2400	495	SW BANQUET ROOM	PERIMETER DOWNLIGHTS	TBD
23	2400	605	SW BANQUET ROOM	DOWNLIGHTS	TBD
24	2400	120	SW BANQUET ROOM	DECO. FIXTURE	TBD
25	2400	440	BANQUET ROOMS CENTER AISLE	DOWNLIGHTS	TBD
26	2400	620	PRE FUNCTION	DOWNLIGHTS	TBD
27	2400	620	PRE FUNCTION	DOWNLIGHTS	TBD
28	2400	500	PRE FUNCTION MENS R.R.	BACKLIT MIRRORS	TBD
29	2400	500	PRE FUNCTION MENS R.R.	BACKLIT MIRRORS	TBD
30	2400	315	BREAKOUT 94 & 95	2X2'S	NON-DIM
31	2400	180	BREAKOUT 93	2X2'S	NON-DIM
32	2400	180	BREAKOUT 93	2X2'S	NON-DIM
33	2400	315	BREAKOUT 94 & 95	2X2'S	NON-DIM
34	2400	290	PRE FUNCTION WOMENS RR	DOWNLIGHTS	TBD
35	2400	140	PRE FUNCTION WOMENS RR	PERIMETER LINEAR LTG	NON-DIM
36	2400	140	PRE FUNCTION MENS RR	PERIMETER LINEAR LTG	NON-DIM
37	2400	290	PRE FUNCTION MENS RR	DOWNLIGHTS	TBD
38	2400	490	PRE FUNCTION	DOWNLIGHTS	TBD
39	2400	440	PRE FUNCTION	DOWNLIGHTS	TBD
40	2400	110	SW BANQUET ROOM	DOWNLIGHTS	TBD
41	2400	90	SW CENTER BANQUET ROOM	DOWNLIGHTS	TBD
42	2400	90	SE CENTER BANQUET ROOM	DOWNLIGHTS	TBD
43	2400	110	SE BANQUET ROOM	DOWNLIGHTS	TBD
44	2400	110	NW BANQUET ROOM	DOWNLIGHTS	TBD
45	2400	90	NW CENTER BANQUET ROOM	DOWNLIGHTS	TBD
46	2400	90	NE CENTER BANQUET ROOM	DOWNLIGHTS	TBD
47	2400	110	NE BANQUET	DOWNLIGHTS	TBD
48	2400	360	PRE FUNCTION	DECO. FIXTURE	TBD

DIMMER 'TCCCDRN' SCHEDULE					RACK: 96 MODULES
INCOMING LINE: 120/208V, 3Φ,4W		MAINS RATING: 800 A		LOAD: 0 KVA	
DIMMER NUMBER	WATTAGE RATING	LOAD	LOAD LOCATION	LOAD DESCRIPTION	CONTROL CHANNEL
49	2400			SPARE	
50	2400			SPARE	
51	2400			SPARE	
52	2400			SPARE	
53	2400			SPARE	
54	2400			SPARE	
55	2400			SPARE	
56	2400			SPARE	
57	2400			SPARE	
58	2400			SPARE	
59	2400			SPARE	
60	2400			SPARE	
61	2400			SPARE	
62	2400			SPARE	
63	2400			SPARE	
64	2400			SPARE	
65	2400			SPARE	
66	2400			SPARE	
67				SPACE	
68				SPACE	
69				SPACE	
70				SPACE	
71				SPACE	
72				SPACE	
73				SPACE	
74				SPACE	
75				SPACE	
76				SPACE	
77				SPACE	
78				SPACE	
79				SPACE	
80				SPACE	
81				SPACE	
82				SPACE	
83				SPACE	
84				SPACE	
85				SPACE	
86				SPACE	
87				SPACE	
88				SPACE	
89				SPACE	
90				SPACE	
91				SPACE	
92				SPACE	
93				SPACE	
94				SPACE	
95				SPACE	
96				SPACE	



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-783-2490
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041

CLIENT:
CHEROKEE NATION
Entertainment
Cherokee
CASINO

CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
ADDENDUM #10

REVISIONS		
#	DATE	DESCRIPTION

DATE: 05/22/18 JOB NUMBER: 17-06

SHEET NUMBER:
E0.31

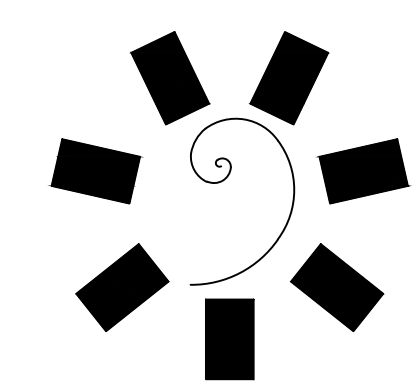
DIMMER SCHEDULES

LIGHTING FIXTURE SCHEDULE

- FIXTURE SCHEDULE GENERAL NOTES:**
- FIXTURES SHALL HAVE APPROPRIATE U.L. LABEL (i.e., DAMP OR WET) AS REQUIRED BY CODES AND ORDINANCES.
 - PRIOR TO ORDERING ANY LIGHTING EQUIPMENT, COORDINATE ALL FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING CAVITY DEPTHS.
 - ALL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTURE SCHEDULE AND SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP(S) AND BALLAST(S)/DRIVER(S).
 - CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES AND CEILING TRIM COMPATIBILITY PRIOR TO ORDERING FIXTURE.
 - PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-RATED CEILING.
 - LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY ACCESSORIES AND HARDWARE AS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
 - ALL FIXTURES SHALL BE ORDERED WITH APPROPRIATE BALLAST(S)/DRIVER(S) THAT HAVE U.L. AND CBM LABELS. ALL BALLASTS/DRIVERS SHALL CONFORM TO TITLE 24 AND/OR INTERNATIONAL ENERGY CONSERVATION CODE (IECC) REQUIREMENTS FOR PERFORMANCE. PROVIDE MULTIPLE BALLASTS/ DRIVERS FOR DUAL-LEVEL SWITCHING AND WIRING (i.e. TANDEM) AS INDICATED ON THE PLANS.
 - UPON INITIAL ENERGIZING OF ALL NEW FLUORESCENT LAMPS, A CONTINUOUS PERIOD OF THIRTY (30) HOURS SHALL OCCUR PRIOR TO DE-ENERGIZING OF LAMPS FOR MANUFACTURER REQUIRED LAMP BURN-IN AND MAXIMUM LAMP LIFE.
 - ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE. PROVIDE END OF LIFE (EOL) SHUT-DOWN PROTECTION FOR COMPACT FLUORESCENT LAMPS.
 - ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS, ESPECIALLY DIMMED SYSTEMS. FIXTURES, LAMPS, BALLAST(S), DRIVER(S) AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS SHALL BE FACTORY CERTIFIED COMPATIBLE FOR FULL RANGE OF DIMMING COMPATIBILITY.
 - PROVIDE CLEARANCES FROM COMBUSTIBLES, A MINIMUM OF 1/2" (OTHER THAN AT POINTS OF SUPPORT) AND 3" FROM INSULATION FOR RECESSED LIGHTING FIXTURES WHICH ARE NON-IC RATED.
 - PROVIDE A MINIMUM OF TWO (2) #12 SUPPORT WIRES ATTACHED TO BUILDING FRAME IN ADDITION TO T-BAR CLIPS FOR FIXTURES RECESSED IN SUSPENDED T-BAR CEILING.
 - FIXTURES WITH EMERGENCY BATTERY BACKUP SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHING IN COMPLIANCE WITH NEC ARTICLE 700.
 - EMERGENCY LIGHTING UNITS SHALL BE EQUIPPED WITH FACTORY-INSTALLED INTEGRAL TEST SWITCHES AND PILOT LIGHTS.
 - PROVIDE DOOR-TO-FRAME AND LENS-TO-DOOR GASKETING, INVERTED LENS, AND FOOD SERVICE RATING FOR ALL FIXTURES LOCATED IN FOOD SERVICE AREAS.
 - LUMINAIRES THAT CONTAIN A BALLAST, POWER SUPPLY OR DRIVER THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OR EXTERNAL TO EACH LUMINAIRE SO AS TO DISCONNECT SIMULTANEOUSLY FROM THE SOURCE OF POWER ALL CONDUCTORS (INCLUDING THE GROUNDED CONDUCTOR IF ANY). IN ACCORDANCE WITH NEC ARTICLE 410, THE LINE-SIDE TERMINALS OF THE DISCONNECTING MEANS SHALL BE LOCATED SO AS TO BE ACCESSIBLE TO QUALIFIED PERSONS FOR SERVICING OR MAINTAINING THE BALLAST, POWER SUPPLY OR DRIVER.
 - ALL FLUORESCENT LAMPS SHALL BE OF A LOW MERCURY DESIGN, HAVE A MINIMUM CRI RATING OF 80 AND 3500°K COLOR TEMPERATURE UNLESS NOTED OTHERWISE.
 - CHARACTERISTICS OF LED LUMINAIRES SHALL MEET OR EXCEED THE FOLLOWING MINIMUM STANDARDS UNLESS OTHERWISE INDICATED:
 - L8/50 - 80% OF LUMEN OUTPUT AT 50,000 HOURS, WITH FUNCTIONAL LIFESPAN GREATER THAN 60,000 HOURS (LED ELEMENTS AND POWER SUPPLIES)
 - CRI EQUIVALENT TO OR GREATER THAN 80
 - EFFICACY EQUIVALENT TO OR GREATER THAN 80 LUMENS/WATT
 - CCT UNIFORMITY TO (3) MACADAM ELLIPSES
 - MINIMUM AMBIENT TEMPERATURE RATINGS: INTERIOR = 25°C (77°F), EXTERIOR = 45°C (113°F)
 - MINIMUM INGRESS PROTECTION RATINGS: INTERIOR = IP30, EXTERIOR = IP60

TYPE	DESCRIPTION AND MANUFACTURER	NOTES	TYPE	DESCRIPTION AND MANUFACTURER	NOTES	TYPE	DESCRIPTION AND MANUFACTURER	NOTES
DL1 120	DECORATIVE PENDANT MOUNTED IN EVENT ROOM. VOLTAGE: 120V LAMP: LED (6) X 20W MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L3E 40	2'X4' LED LAY-IN FIXTURE WITH EMERGENCY BATTERY PACK . VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 48L E21 LP835 EL14L		L10E 60	2'X4' LED RECESSED FIXTURE WITH BLACK HOUSING, ACRYLIC LENS, DIMMING AND EMERGENCY BATTERY PACK. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 72L E21 LP835 EL14L	
DL2 120	DECORATIVE PENDANT MOUNTED IN PREFUNCTION AREA. VOLTAGE: 120V LAMP: LED (6) X 20W MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L4 60	2'X4' LED LAY-IN FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 72L E21 LP835	ORDER DGA24 WHERE APPLICABLE	L11E 55	SURFACE MOUNTED EXTERIOR WALL SCONCE WITH BRONZE FINISH AND INTEGRAL EMERGENCY BATTERY AND PHOTOCELL. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #WSTLED P2 30K VF MVOLT PE E7WH DDBXD	
DL3 60	DECORATIVE PENDANT MOUNTED IN DINNING AREA. VOLTAGE: 120V LAMP: LED MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L4E 60	2'X4' LED LAY-IN FIXTURE WITH EMERGENCY BATTERY PACK . VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 72L E21 LP835 EL14L	ORDER DGA24 WHERE APPLICABLE	L12 25	4' LED LENSED STRIP. VOLTAGE: 277V LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #ZL1N L48 3000LM FST MOLT 35K 80CRI WH	
DL4 60	DECORATIVE PENDANT MOUNTED IN PRIVATE DINNING AREA. VOLTAGE: 120V LAMP: LED MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L5 40	2'X2' LED LAY-IN FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 2 40L E21 LP835		L12E 25	4' LED LENSED STRIP WITH EMERGENCY BATTERY PACK. VOLTAGE: 277V LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #ZL1N L48 3000LM FST MOLT 35K 80CRI E10WLCP WH	
DL5 20	DECORATIVE PENDANT MOUNTED AT PLAYERS CLUB. VOLTAGE: 120V LAMP: LED (6) X 20W MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L5E 40	2'X2' LED LAY-IN FIXTURE WITH EMERGENCY BATTERY PACK . VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 2 40L E21 LP835 EL14L		L13 40	2'X4' LED RECESSED FIXTURE WITH FLANGE KIT. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 48L E21 LP835(WITH FLANGE KIT)	
DL6 60	DECORATIVE PENDANT MOUNTED AT DINNING BAR. VOLTAGE: 120V LAMP: LED MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L6 50	4' LED SURFACE MOUNT WRAP. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA FEM L48 6000LM LPAFL MD MVOLT GZ10 35K 80CRI		L13E 40	2'X4' LED RECESSED FIXTURE WITH FLANGE KIT AND EMERGENCY BATTERY PACK. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 48L E21 LP835 EL14L(WITH FLANGE KIT)	
DL7 60	DECORATIVE PENDANT MOUNTED AT GRILLING BAR. VOLTAGE: 120V LAMP: LED MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L6E 50	4' LED SURFACE MOUNT WRAP WITH EMERGENCY BATTERY PACK. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA FEM L48 6000LM LPAFL MD MVOLT GZ10 35K 80CRI BSL520		L14 22	LED ARCHITECTURAL 6" DOWNLIGHT - RECESSED. VOLTAGE: MVOLT LAMP: LED (INCLUDED) MANUFACTURER: GOTHAM #EVO 35/20 6AR MWD LD 120 ECOS2	
DL8 60	DECORATIVE PENDANT MOUNTED AT GAMING IN FRONT OF BAR. VOLTAGE: 120V LAMP: LED MANUFACTURER: TO BE SELECTED BY INTERIOR DESIGNER		L7 20W/FT	NOT USED.		L15 22	LED ARCHITECTURAL 4" DOWNLIGHT - RECESSED. VOLTAGE: MVOLT LAMP: LED (INCLUDED) MANUFACTURER: GOTHAM #EVO 35/15 4AR MWD LD 120 ECOS2	
L1 100	LED HIGH BAY FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #IBL 12L WD SD125 LP835 I2412		L8 60	2'X4' LED RECESSED FLANGED FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 72L E21 LP835(WITH FLANGE KIT) - DGA24		L16 78	LED ARCHITECTURAL 6" DOWNLIGHT - SUSPENDED. VOLTAGE: 120V LAMP: LED MANUFACTURER: GOTHAM #ICOCYL-30/50-6AR-LD-70D-E21-PM-DBL	VERIFY COLOR WITH THE ARCHITECT PRIOR TO ORDERING.
L1E 100	LED HIGH BAY FIXTURE WITH EMERGENCY BATTERY PACK. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #IBL 12L WD SD125 LP835 I2412		L8E 60	2'X4' LED RECESSED FLANGED FIXTURE WITH EMERGENCY BATTERY PACK. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 72L E21 LP835 EL14L(WITH FLANGE KIT) - DGA24		L17 4	RECESSED PERIMETER SLOT FIXTURE WITH LENGTHS AS INDICATED ON DRAWING. VOLTAGE: 120V LAMP: LED MANUFACTURER: MARK LIGHTING #SPRLD-QS-LOP-XXFT-RLP-XX-80CRI-35K-400LMF-NODIM-120	COORDINATE CEILING TRIM WITH THE ARCHITECT PRIOR TO ORDERING.
L2 50	2'X4' LED LAY-IN DIRECT/INDIRECT FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2AVL4 40L MDR LP835		L9 40	2'X2' LED RECESSED FLANGED FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 2 40L E21 LP835 - DGA22		L18 45	2' X 2' DIRECT/INDIRECT LED LAY-IN TROFFER WITH EMERGENCY BATTERY PACK. VOLTAGE: 120V LAMP: LED MANUFACTURER: LITHONIA #2AVL2-30L-MDR-EZ1-LP835	
L2E 50	2'X4' LED LAY-IN DIRECT/INDIRECT FIXTURE WITH EMERGENCY BATTERY PACK. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2AVL4 40L MDR LP835 EL14L		L9E 40	2'X2' LED RECESSED FLANGED FIXTURE WITH EMERGENCY BATTERY PACK . VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 2 40L E21 LP835 EL14L - DGA22		L18E 45	LED ARCHITECTURAL 4" DOWNLIGHT - RECESSED. VOLTAGE: 120V LAMP: LED MANUFACTURER: LITHONIA #2AVL2-30L-MDR-EZ1-LP835-EL7L	
L3 40	2'X4' LED LAY-IN FIXTURE. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 48L E21 LP835		L10 60	2'X4' LED RECESSED FIXTURE WITH BLACK HOUSING, ACRYLIC LENS AND DIMMING. VOLTAGE: MVOLT LAMP: INTEGRAL LED MANUFACTURER: LITHONIA #2GTL 4 72L E21 LP835		L19 55	6" OPEN LED DOWN LIGHT. VOLTAGE: 120V LAMP: LED MANUFACTURER: GOTHAM #EVO-30/40-MWD-LSS-120-ECOS2	

REVIS
ENTIRE SHEET



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-785-2460
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041

CLIENT:
**CHEROKEE NATION
Entertainment**
**Cherokee
CASINO**

CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
**BID PACKAGE 02
(100% SET)**

REVISIONS		
#	DATE	DESCRIPTION
1	05/03/18	BID PACKAGE 05
2	05/22/18	ADDENDUM #10

DATE: 03/27/18
JOB NUMBER: 17-06

SHEET NUMBER:
E0.40

LIGHTING FIXTURE
SCHEDULE

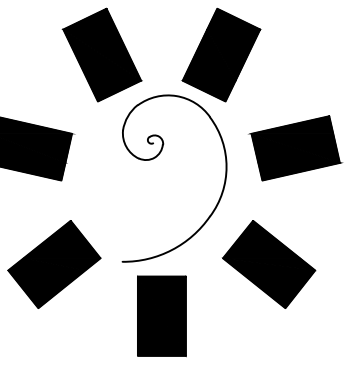
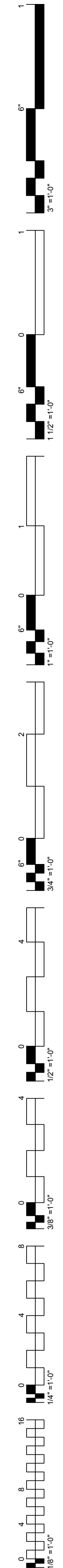
LIGHTING FIXTURE SCHEDULE

FIXTURE SCHEDULE GENERAL NOTES:

1. FIXTURES SHALL HAVE APPROPRIATE U.L. LABEL (i.e., DAMP OR WET) AS REQUIRED BY CODES AND ORDINANCES.
2. PRIOR TO ORDERING ANY LIGHTING EQUIPMENT, COORDINATE ALL FIXTURE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS AND CEILING CAVITY DEPTHS.
3. ALL LAMPS SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE ATTACHED FIXTURE SCHEDULE AND SPECIFICATIONS. ENSURE COMPATIBILITY BETWEEN FIXTURE, LAMP(S) AND BALLAST(S)/DRIVER(S).
4. CONTRACTOR SHALL VERIFY FIXTURE VOLTAGES AND CEILING TRIM COMPATIBILITY PRIOR TO ORDERING FIXTURE.
5. PROVIDE APPROVED FIRE-RATED ENCLOSURES FOR ALL LIGHTING FIXTURES LOCATED IN FIRE-RATED CEILINGS.
6. LIGHTING FIXTURE CATALOG NUMBERS ARE SERIES TYPE ONLY. PROVIDE ALL NECESSARY ACCESSORIES AND HARDWARE AS REQUIRED FOR A COMPLETE AND FUNCTIONAL INSTALLATION.
7. ALL FIXTURES SHALL BE ORDERED WITH APPROPRIATE BALLAST(S)/DRIVER(S) THAT HAVE U.L. AND CBM LABELS. ALL BALLASTS/DRIVERS SHALL CONFORM TO TITLE 24 AND/OR INTERNATIONAL ENERGY CONSERVATION CODE (IECC) REQUIREMENTS FOR PERFORMANCE. PROVIDE MULTIPLE BALLASTS/ DRIVERS FOR DUAL-LEVEL SWITCHING AND WIRING (i.e. TANDEM) AS INDICATED ON THE PLANS.
8. UPON INITIAL ENERGIZING OF ALL NEW FLUORESCENT LAMPS, A CONTINUOUS PERIOD OF THIRTY (30) HOURS SHALL OCCUR PRIOR TO DE-ENERGIZING OF LAMPS FOR MANUFACTURER REQUIRED LAMP BURN-IN AND MAXIMUM LAMP LIFE.
9. ALL FLUORESCENT BALLASTS SHALL BE ELECTRONIC TYPE. PROVIDE END OF LIFE (EOL) SHUT-DOWN PROTECTION FOR COMPACT FLUORESCENT LAMPS.
10. ENSURE COMPATIBILITY OF ALL LIGHTING SYSTEM COMPONENTS, ESPECIALLY DIMMED SYSTEMS. FIXTURES, LAMPS, BALLAST(S), DRIVER(S) AND DIMMING SYSTEMS/INDIVIDUAL CONTROLS SHALL BE FACTORY CERTIFIED COMPATIBLE FOR FULL RANGE OF DIMMING COMPATIBILITY.
11. PROVIDE CLEARANCES FROM COMBUSTIBLES, A MINIMUM OF 1/2" (OTHER THAN AT POINTS OF SUPPORT) AND 3" FROM INSULATION FOR RECESSED LIGHTING FIXTURES WHICH ARE NON-IC RATED.
12. PROVIDE A MINIMUM OF TWO (2) #12 SUPPORT WIRES ATTACHED TO BUILDING FRAME IN ADDITION TO T-BAR CLIPS FOR FIXTURES RECESSED IN SUSPENDED T-BAR CEILING.
13. FIXTURES WITH EMERGENCY BATTERY BACKUP SHALL BE WIRED AHEAD OF ANY LOCAL SWITCHING IN COMPLIANCE WITH NEC ARTICLE 700.
14. EMERGENCY LIGHTING UNITS SHALL BE EQUIPPED WITH FACTORY-INSTALLED INTEGRAL TEST SWITCHES AND PILOT LIGHTS.
15. PROVIDE DOOR-TO-FRAME AND LENS-TO-DOOR GASKETING, INVERTED LENS, AND FOOD SERVICE RATING FOR ALL FIXTURES LOCATED IN FOOD SERVICE AREAS.
16. LUMINAIRES THAT CONTAIN A BALLAST, POWER SUPPLY OR DRIVER THAT CAN BE SERVICED IN PLACE SHALL HAVE A DISCONNECTING MEANS EITHER INTERNAL OR EXTERNAL TO EACH LUMINAIRE SO AS TO DISCONNECT SIMULTANEOUSLY FROM THE SOURCE OF POWER ALL CONDUCTORS (INCLUDING THE GROUNDED CONDUCTOR IF ANY). IN ACCORDANCE WITH NEC ARTICLE 410, THE LINE-SIDE TERMINALS OF THE DISCONNECTING MEANS SHALL BE LOCATED SO AS TO BE ACCESSIBLE TO QUALIFIED PERSONS FOR SERVICING OR MAINTAINING THE BALLAST, POWER SUPPLY OR DRIVER.
17. ALL FLUORESCENT LAMPS SHALL BE OF A LOW MERCURY DESIGN, HAVE A MINIMUM CRI RATING OF 80 AND 3500°K COLOR TEMPERATURE UNLESS NOTED OTHERWISE.
18. CHARACTERISTICS OF LED LUMINAIRES SHALL MEET OR EXCEED THE FOLLOWING MINIMUM STANDARDS UNLESS OTHERWISE INDICATED:
 - L8/S0 - 80% OF LUMEN OUTPUT AT 50,000 HOURS, WITH FUNCTIONAL LIFESPAN GREATER THAN 60,000 HOURS (LED ELEMENTS AND POWER SUPPLIES)
 - CRI EQUIVALENT TO OR GREATER THAN 80
 - EFFICACY EQUIVALENT TO OR GREATER THAN 80 LUMENS/WATT
 - CCT UNIFORMITY TO (3) MacADAM ELLIPSES
 - MINIMUM AMBIENT TEMPERATURE RATINGS: INTERIOR = 25°C (77°F), EXTERIOR = 45°C (113°F)
 - MINIMUM INGRESS PROTECTION RATINGS: INTERIOR = IP30, EXTERIOR = IP60

TYPE	DESCRIPTION AND MANUFACTURER	NOTES	TYPE	DESCRIPTION AND MANUFACTURER	NOTES
LL-01 4/FT	LED LINEAR STRIP. VOLTAGE: 120V LAMP: LED MANUFACTURER: TRAXON #NANO LINEAR ALLEGRO AC XB 9 RGB	1	S2 1320	TWIN HEAD PARKING LOT POLE LIGHT WITH 32'-6" MATCHING POLE. VOLTAGE: 480V LAMP: LED (INCLUDED) MANUFACTURER: MCGRAW-EDISON #GLEON-AE-10-LED-480-5WQ	
LL-02 6/FT	LED FLEXIBLE LINEAR TAPE LIGHT - DRY LOCATION. VOLTAGE: 120V LAMP: LED MANUFACTURER: MODA LIGHT #STAR FLEX RGBW		S3 660	SINGLE HEAD ROADWAY POLE LIGHT WITH 32'-6" MATCHING POLE. VOLTAGE: 480V LAMP: LED (INCLUDED) MANUFACTURER: MCGRAW-EDISON #GLEON-AE-10-LED-480-T2R	
LL-03 6/FT	LED LINEAR STRIP. VOLTAGE: 120V LAMP: LED MANUFACTURER: MODA LIGHT #AQUA FLEX RGBW		S4 206	UPLIGHTING LED FIXTURE FOR OUTDOORS. VOLTAGE: 120/277V LAMP: LED MANUFACTURER: ELLIPTIPAR #S172-5108-S-XX-8-VO-0-35-00	COORDINATE FIXTURE COLOR WITH THE ARCHITECT PRIOR TO ORDERING.
LDJ 10W/FT	LINEAR COLOR CHANGING LED FIXTURE WITH CHANNEL, LENS AND REMOTE LED DRIVER. PROVIDE SINGLE 320W DRIVER FOR (3) RUNS ON COLUMN FACE. VOLTAGE: 277/24V LAMP: LED(INCLUDED) MANUFACTURER: ACOLYTE #RBW 68 24 8.8 RGB60 CH AS3 2 C CHLENSA32C CHMNTAS3 CHCPAS3_*	PROVIDE FIXTURE AT 12'-0" LONG FOR LARGE COLUMNS AND 10'-0" LONG FOR SMALL COLUMNS.	S5 70	GROUND LIGHTING LED FIXTURE FOR OUTDOORS. VOLTAGE: 120/277V LAMP: LED MANUFACTURER: ELLIPTIPAR #S172-5036-S-XX-8-VO-0-35-00	COORDINATE FIXTURE COLOR WITH THE ARCHITECT PRIOR TO ORDERING.
LF-01 22/FT	LINEAR EXTERIOR WALL GRAZE SYSTEM VOLTAGE: 120-277V LAMP: LED RGB MANUFACTURER: LUMENPULSE #LOG XXX XX RGB 10X10 WAM6 CC ETE	COLOR SELECTED BY ARCHITECT	TA 15	SURFACE MOUNTED SINGLE CIRCUIT TRACK WITH BLACK FINISH. VOLTAGE: 120/277V LAMP: (1) 50 RAA, VIVID 2, 2700K, 10W (PER TRACK HEAD) MANUFACTURER: TBD	LENGTH OF TRACK AND QUANTITY OF TRACK HEADS AS SHOWN IN DRAWINGS.
LF-02 23/FT	LINEAR EXTERIOR WALL GRAZE SYSTEM VOLTAGE: 120-277V LAMP: LED RGB MANUFACTURER: LUMENPULSE #LOG XXX XX RGB 10X10 WAM2 CC ETE		X1 3	SINGLE FACE EXIT SIGN - BOH. VOLTAGE: 120V/277V LAMP: LED(INCLUDED) MANUFACTURER: LITHONIA #LQM S W 3 R 120/277 EL N	
LF-03 63	4" ADJUSTABLE GIMBLE WITH MINI DOWNLIGHT VOLTAGE: 120V LAMP: LED, MR16 MANUFACTURER: RSA #MICROGEM SERIES MLV 307XC800		X2 3	SINGLE FACE EXIT SIGN - FOH. VOLTAGE: 120V LAMP: LED MANUFACTURER: LITHONIA #LRP-1-RC-120/277V-EL-N	DIRECTIONAL INDICATORS AS SHOWN ON PLAN.
S1 660	SINGLE HEAD PARKING LOT POLE LIGHT WITH 32'-6" MATCHING POLE. VOLTAGE: 480V LAMP: LED (INCLUDED) MANUFACTURER: MCGRAW-EDISON #GLEON-AE-10-LED-480-T3		X3 4	DOUBLE FACE EXIT SIGN - FOH. VOLTAGE: 120V LAMP: LED MANUFACTURER: LITHONIA #LRP-2-RMR-120/277V-EL-N	DIRECTIONAL INDICATORS AS SHOWN ON PLAN.

SHEET NOTES:
 1. PROVIDE ALL NECESSARY ACCESSORIES (DATA INJECTORS, CONNECTORS, END CAPS, ETC) FOR A COMPLETE INSTALLATION, PROVIDE DMX CABLE HOME RUN AS NEEDED TO THE AV RACK IN IDF ROOM. COORDINATE WORK WITH AV CONTRACTOR.



**James R. Childers
Architect, Inc.**

45 South 4th Street
Fort Smith, AR 72901
479-783-2490
www.childersarchitect.com



CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

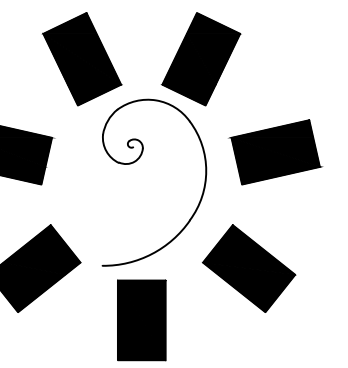
PROJECT PHASE:
ADDENDUM #10

REVISIONS	
#	DESCRIPTION

DATE: 05/22/18 JOB NUMBER: 17-06

SHEET NUMBER:
E0.41

LIGHTING FIXTURE
SCHEDULE



James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2490
www.childersarchitect.com



CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:

E1.1AM

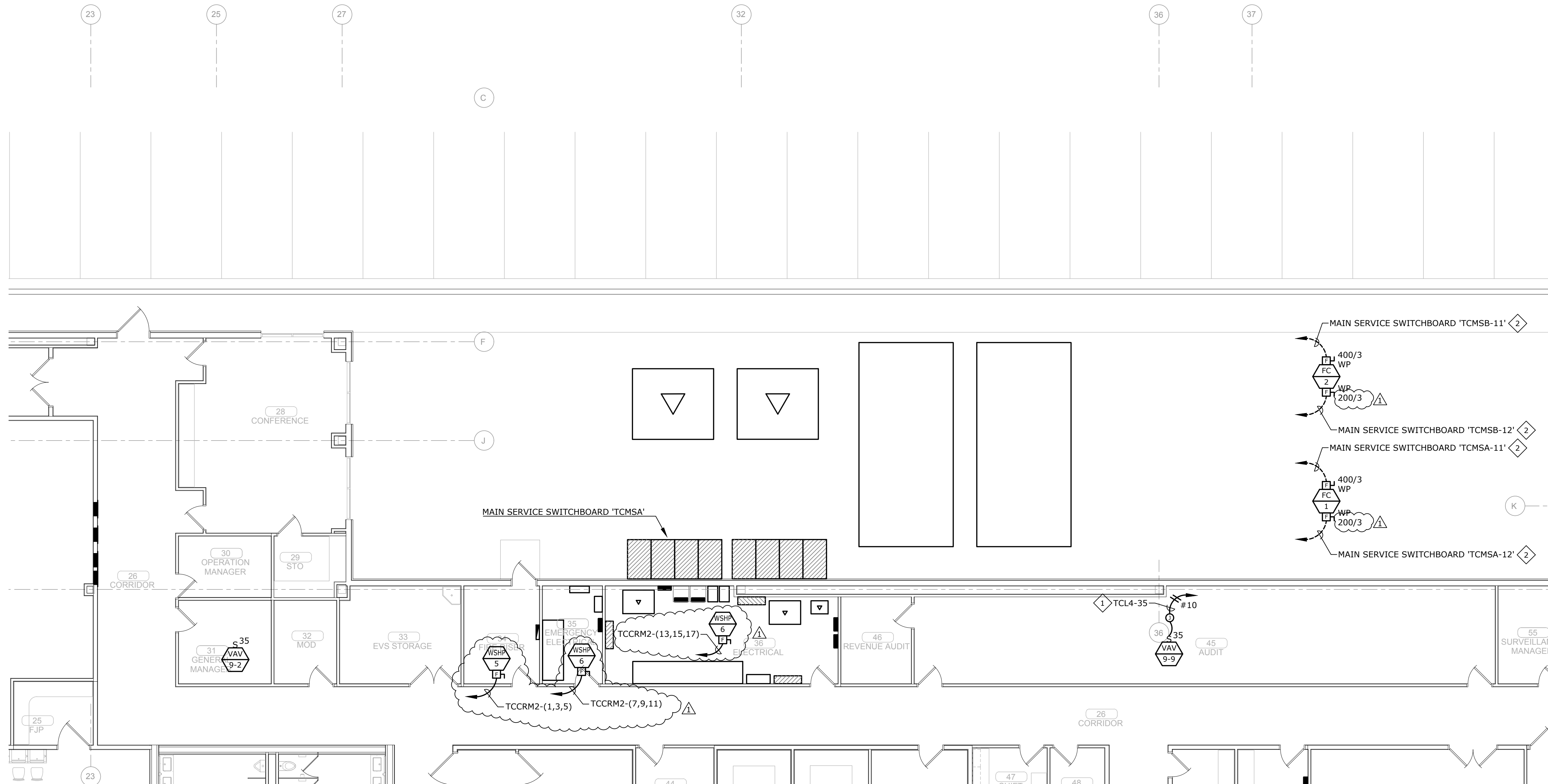
ENLARGED
MECHANICAL POWER
PLAN - EAST

GENERAL NOTES:

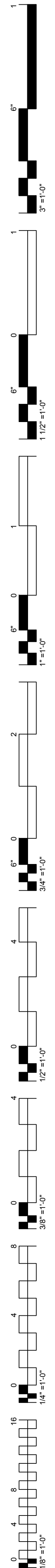
1. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

SHEET NOTES:

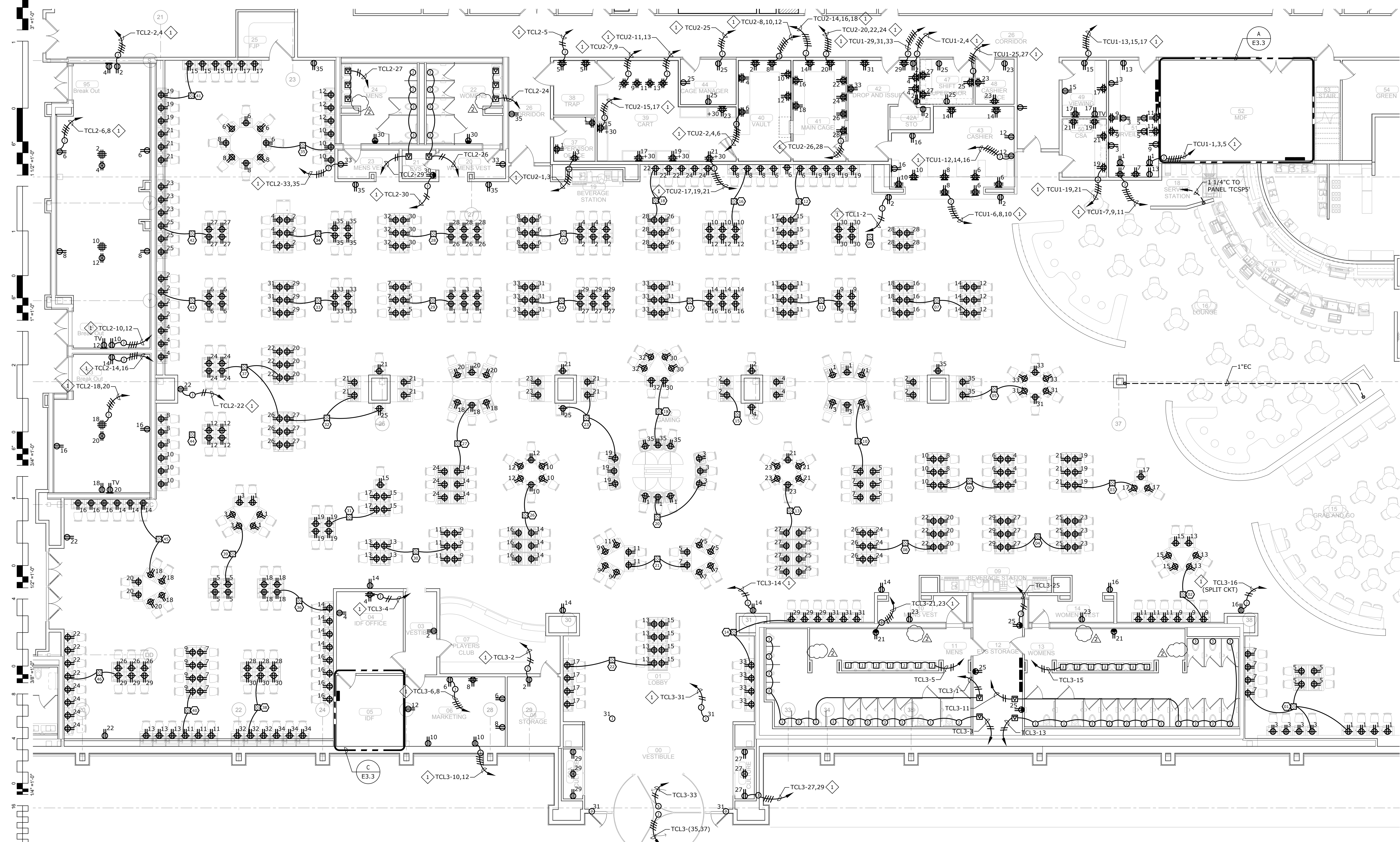
1. EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
2. REFER TO SHEET E0.10 FOR ADDITIONAL REQUIREMENTS.



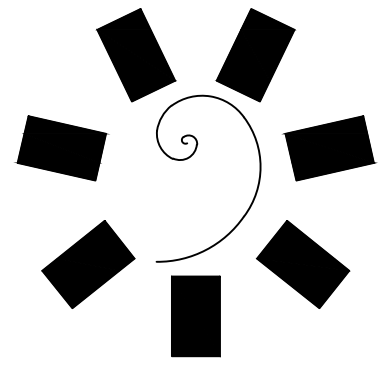
A ENLARGED MECHANICAL POWER PLAN - EAST
 E1.1AM 1/8" = 1'-0"
 0' 2' 4' 8' 16'
 NORTH



- GENERAL NOTES:**
1. VERIFY EXACT LOCATION OF ALL OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.
- SHEET NOTES:**
1. EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



A ENLARGED POWER PLAN - GAMING
E1.1 1/8" = 1'-0"
 0' 2' 4' 8' 16'
 NORTH



James R. Childers
 Architect, Inc.
 45 South 4th Street
 Fort Smith, AR 72901
 479-783-2460
 www.childersarchitect.com



CONSULTANT LOGO:
msa
 ENGINEERING CONSULTANTS
 370 E Windmill Lane, Suite 100
 Las Vegas, NV 89123
 702.896.1100
 msa-ec.com
 MSA#L18041



CLIENT:
CHEROKEE NATION
 Entertainment
Cherokee
 CASINO
 TAHLEQUAH, OKLAHOMA

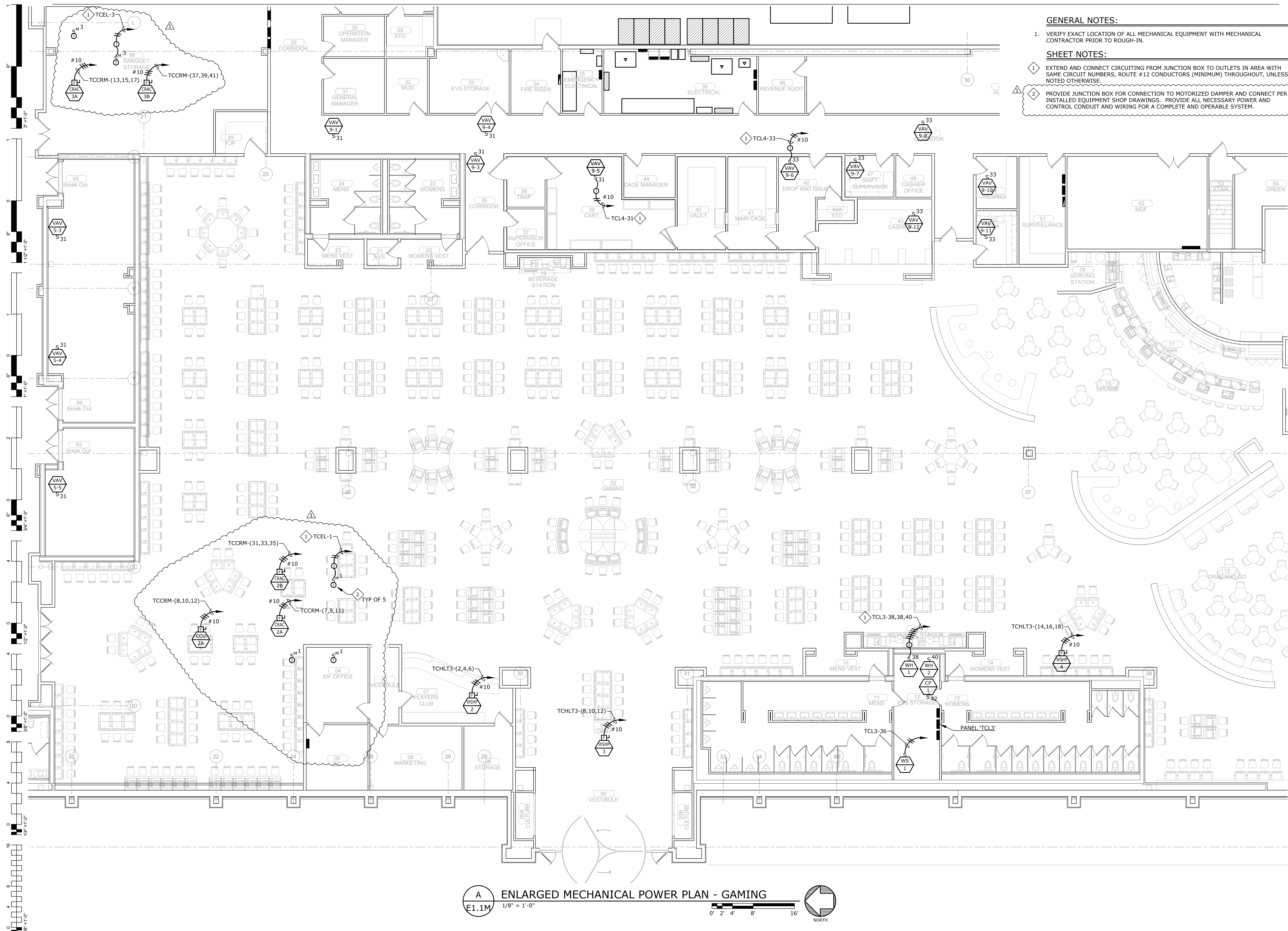
PROJECT PHASE:
BID PACKAGE 02
 (100% SET)

REVISIONS	
#	DESCRIPTION
1	05/03/18 BID PACKAGE 05
2	05/22/18 ADDENDUM #10

DATE: 03/27/18
 JOB NUMBER: 17-06

SHEET NUMBER:
E1.1

ENLARGED POWER
 PLAN - GAMING

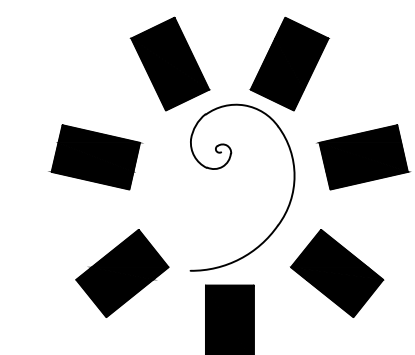


GENERAL NOTES:

1. VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

SHEET NOTES:

1. EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
2. PROVIDE JUNCTION BOX FOR CONNECTION TO MOTORIZED DAMPER AND CONNECT PER INSTALLED EQUIPMENT SHOP DRAWINGS. PROVIDE ALL NECESSARY POWER AND CONTROL CONDUIT AND WIRING FOR A COMPLETE AND OPERABLE SYSTEM.



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041



CLIENT:
**CHEROKEE NATION
Entertainment**
**Cherokee
CASINO**

**CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO**
TAHLEQUAH, OKLAHOMA

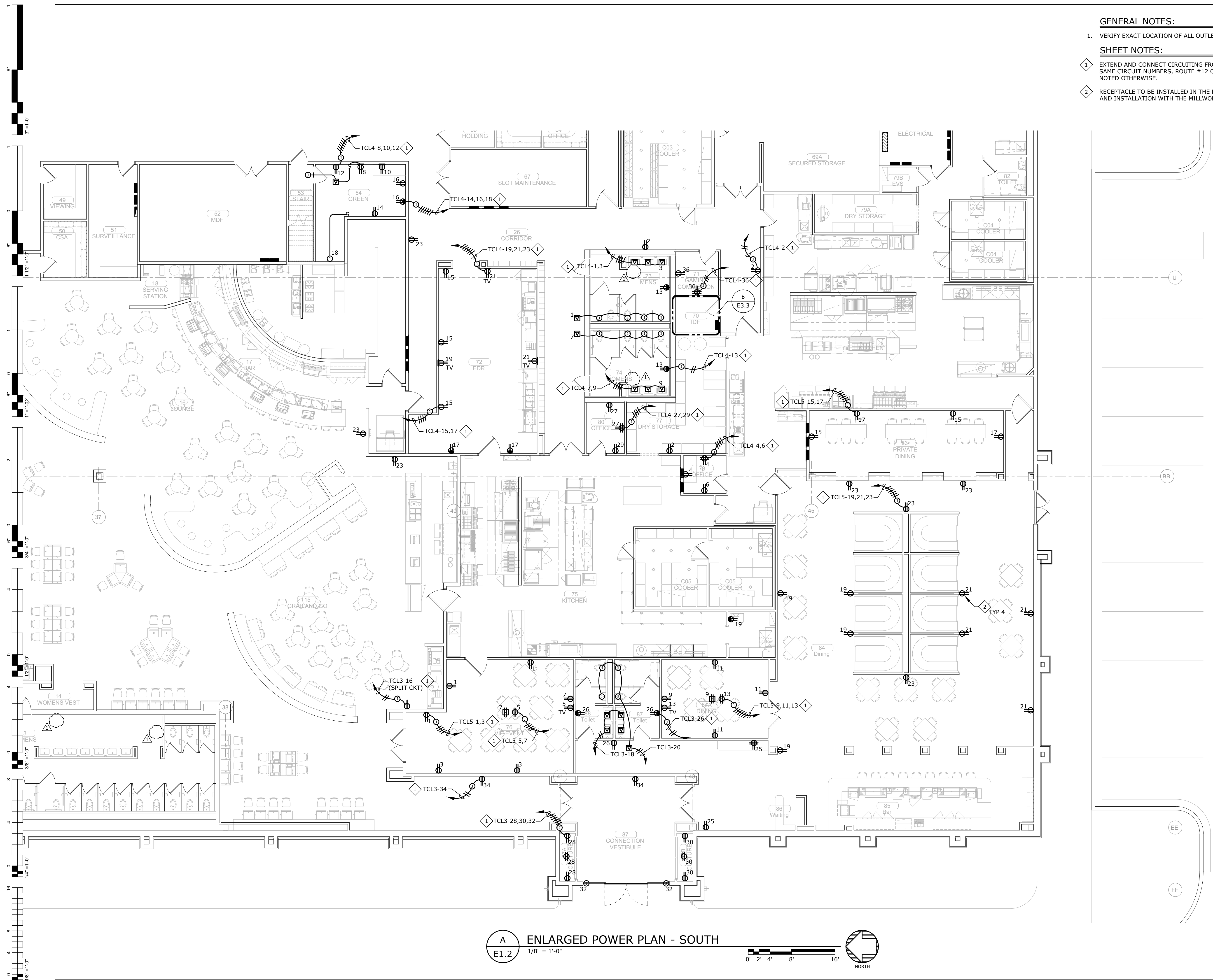
PROJECT PHASE:
BID PACKAGE 05

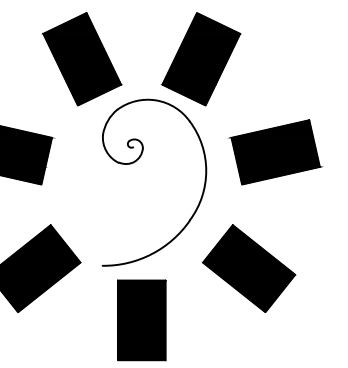
REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:
E1.1M
ENLARGED MECHANICAL POWER PLAN - GAMING

A ENLARGED MECHANICAL POWER PLAN - GAMING
E1.1M 1/8" = 1'-0"
0' 2' 4' 8' 16'
NORTH





James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:

E1.4

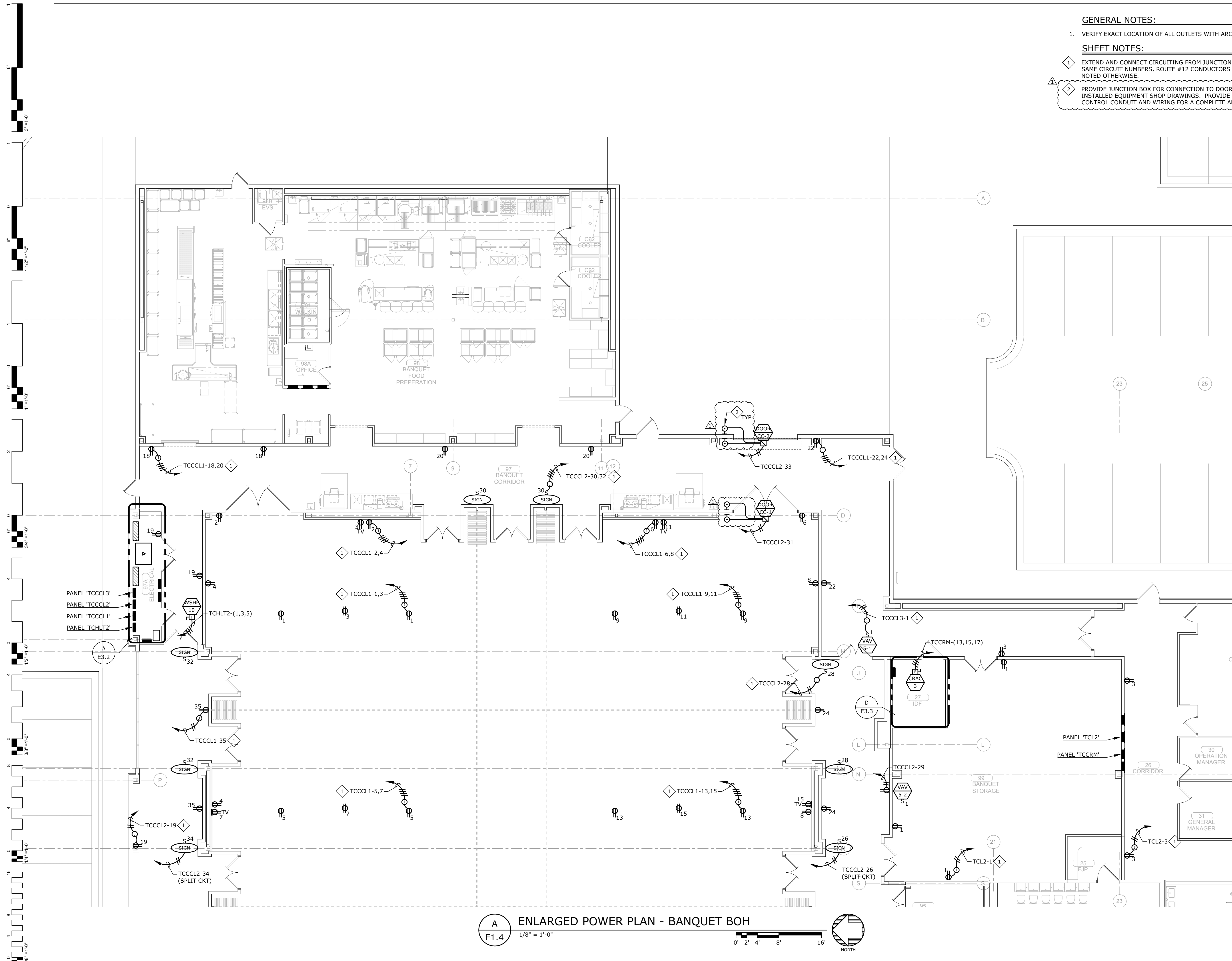
ENLARGED POWER PLAN - BANQUET BOH

GENERAL NOTES:

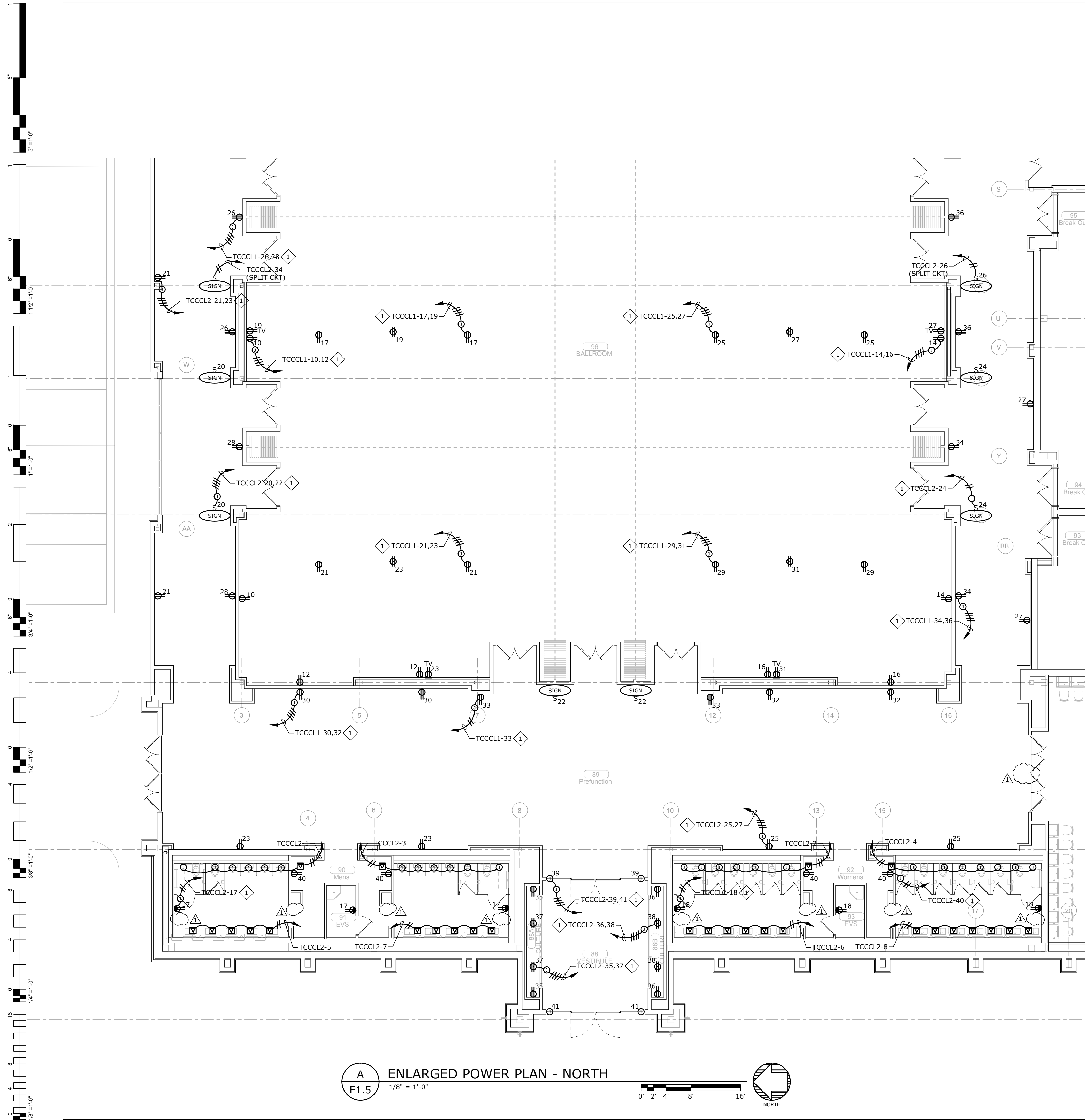
1. VERIFY EXACT LOCATION OF ALL OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.

SHEET NOTES:

1. EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
2. PROVIDE JUNCTION BOX FOR CONNECTION TO DOOR HOLDERS AND CONNECT PER INSTALLED EQUIPMENT SHOP DRAWINGS. PROVIDE ALL NECESSARY POWER AND CONTROL CONDUIT AND WIRING FOR A COMPLETE AND OPERABLE SYSTEM.



A ENLARGED POWER PLAN - BANQUET BOH
E1.4 1/8" = 1'-0" NORTH



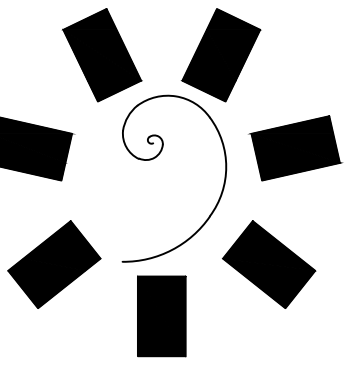
A
E1.5
 ENLARGED POWER PLAN - NORTH
 1/8" = 1'-0"
 0' 2' 4' 8' 16'
 NORTH

GENERAL NOTES:

1. VERIFY EXACT LOCATION OF ALL OUTLETS WITH ARCHITECT PRIOR TO ROUGH-IN.

SHEET NOTES:

1. EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS, ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



**James R. Childers
 Architect, Inc.**

45 South 4th Street
 Fort Smith, AR 72901
 479-783-2490
 www.childersarchitect.com



CONSULTANT LOGO:



CLIENT:
**CHEROKEE NATION
 Entertainment**



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

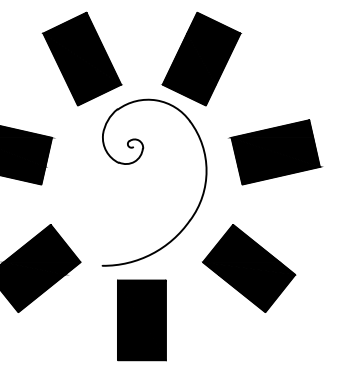
PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
 JOB NUMBER: 17-06

SHEET NUMBER:
E1.5

ENLARGED POWER
 PLAN - NORTH



**James R. Childers
Architect, Inc.**

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com

MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:

**BID PACKAGE 02
(100% SET)**

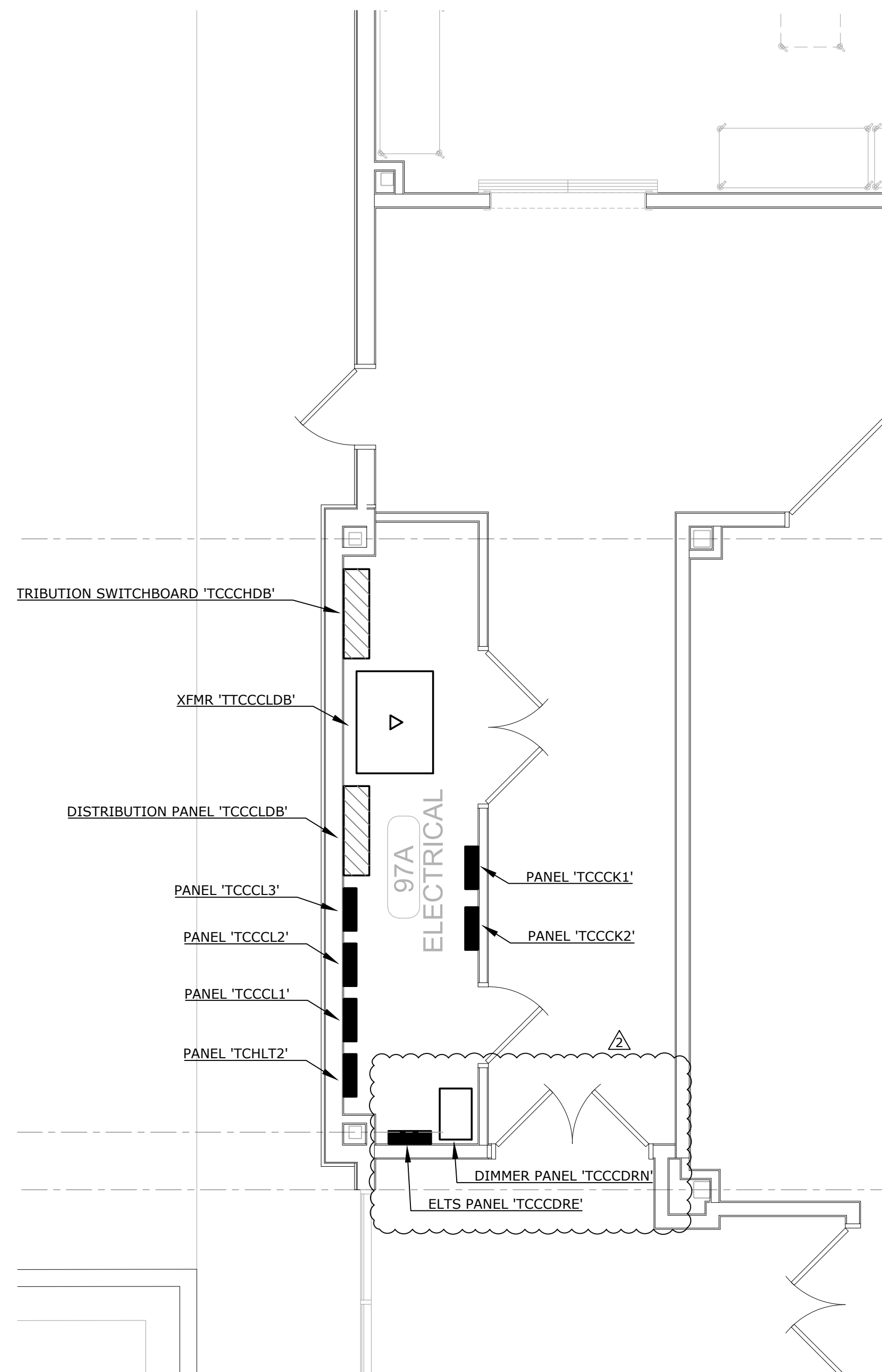
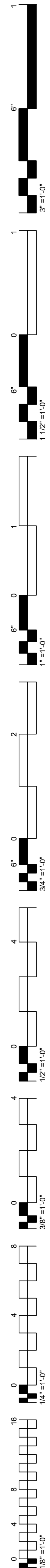
REVISIONS		
#	DATE	DESCRIPTION
1	05/03/18	BID PACKAGE 02
2	05/22/18	ADDENDUM # 10

DATE: 03/27/18 JOB NUMBER: 17-06

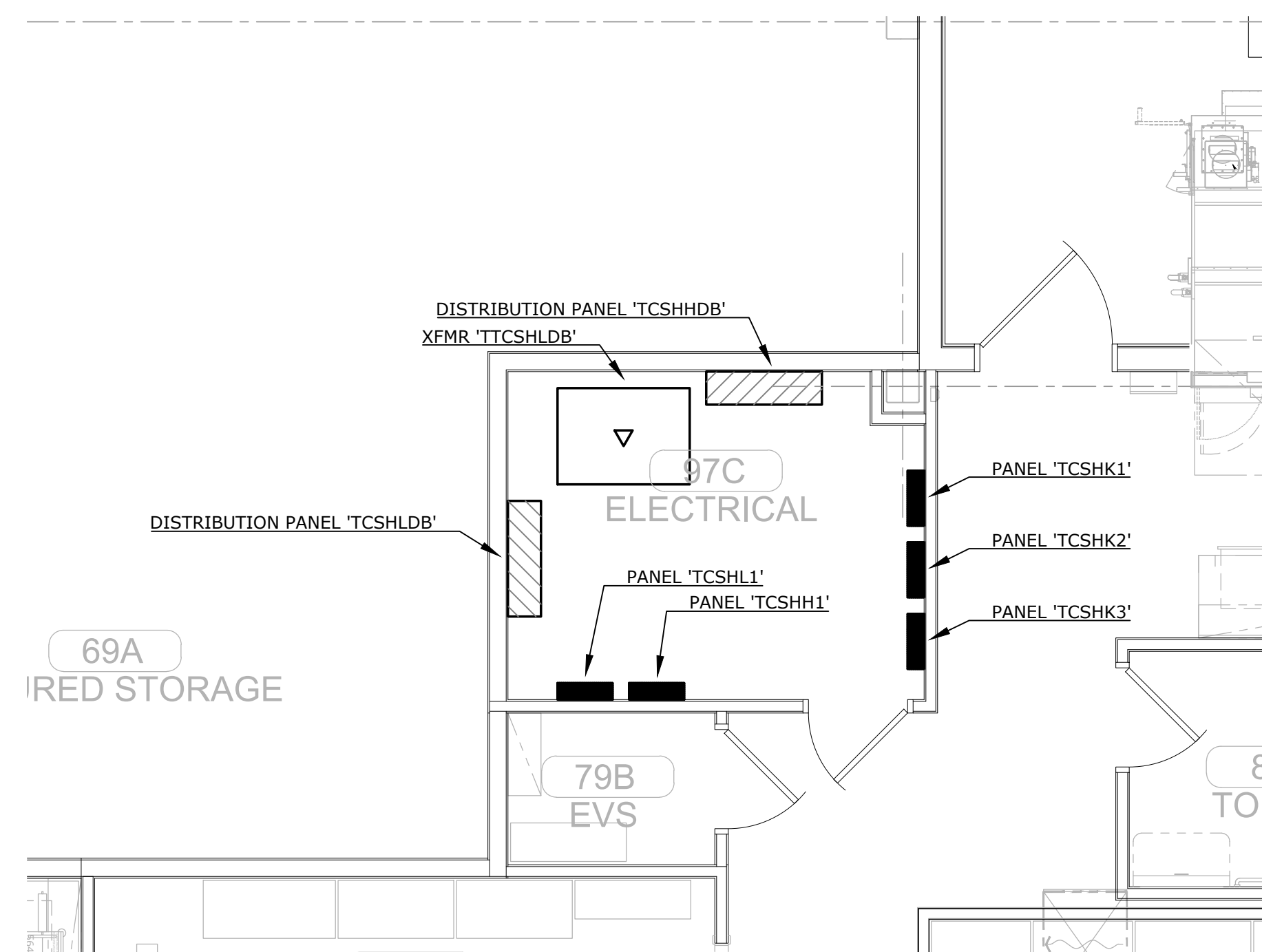
SHEET NUMBER:

E3.2

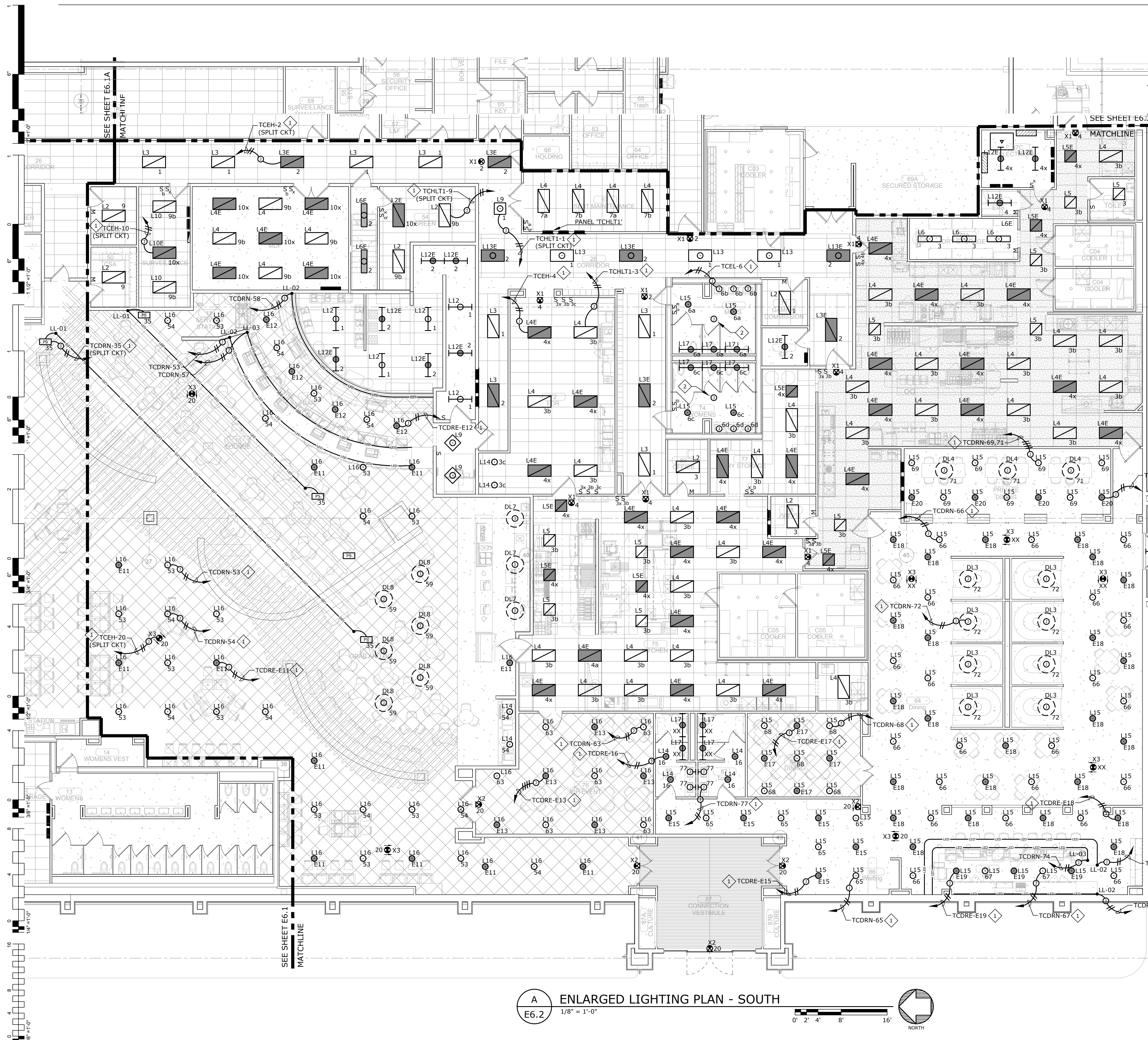
ENLARGED
ELECTRICAL ROOM
PLANS



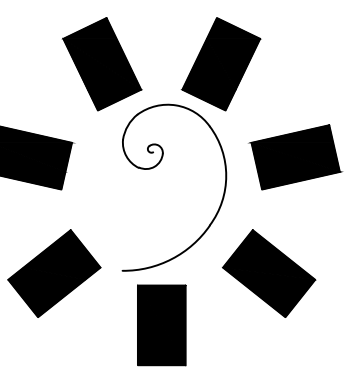
A
E3.2
1/4" = 1'-0"
0' 1' 2' 4' 8'
NORTH



B
E3.2
1/4" = 1'-0"
0' 1' 2' 4' 8'
NORTH



- GENERAL NOTES:**
- REFER TO SHEET E6.1A FOR LOCATION OF PANELS 'TCEH' AND 'TCEL'.
 - PROVIDE CONSTANT HOT TO ALL LIGHT FIXTURES WITH INTEGRAL EMERGENCY BATTERY.
- SHEET NOTES:**
- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.
 - PROVIDE ISOLITE# EPC-PM-120V OR APPROVED EQUIVALENT, TRANSFER CONTROL MODULE MOUNTED ABOVE CEILING AND CONNECT TO LIGHTING CIRCUITS PER MANUFACTURERS INSTALLATION INSTRUCTION. PROVIDE ALL NECESSARY POWER AND CONTROL CONDUIT AND WIRING FOR A COMPLETE AND OPERABLE SYSTEM.



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041

CLIENT:
**CHEROKEE NATION
Entertainment**



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

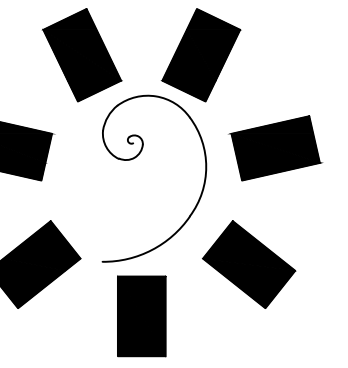
REVISIONS	
#	DESCRIPTION
1	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:
E6.2

ENLARGED LIGHTING
PLAN - SOUTH





James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:

msa
ENGINEERING CONSULTANTS
370 F Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041

CLIENT:

Cherokee
CASINO

CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:
E6.4

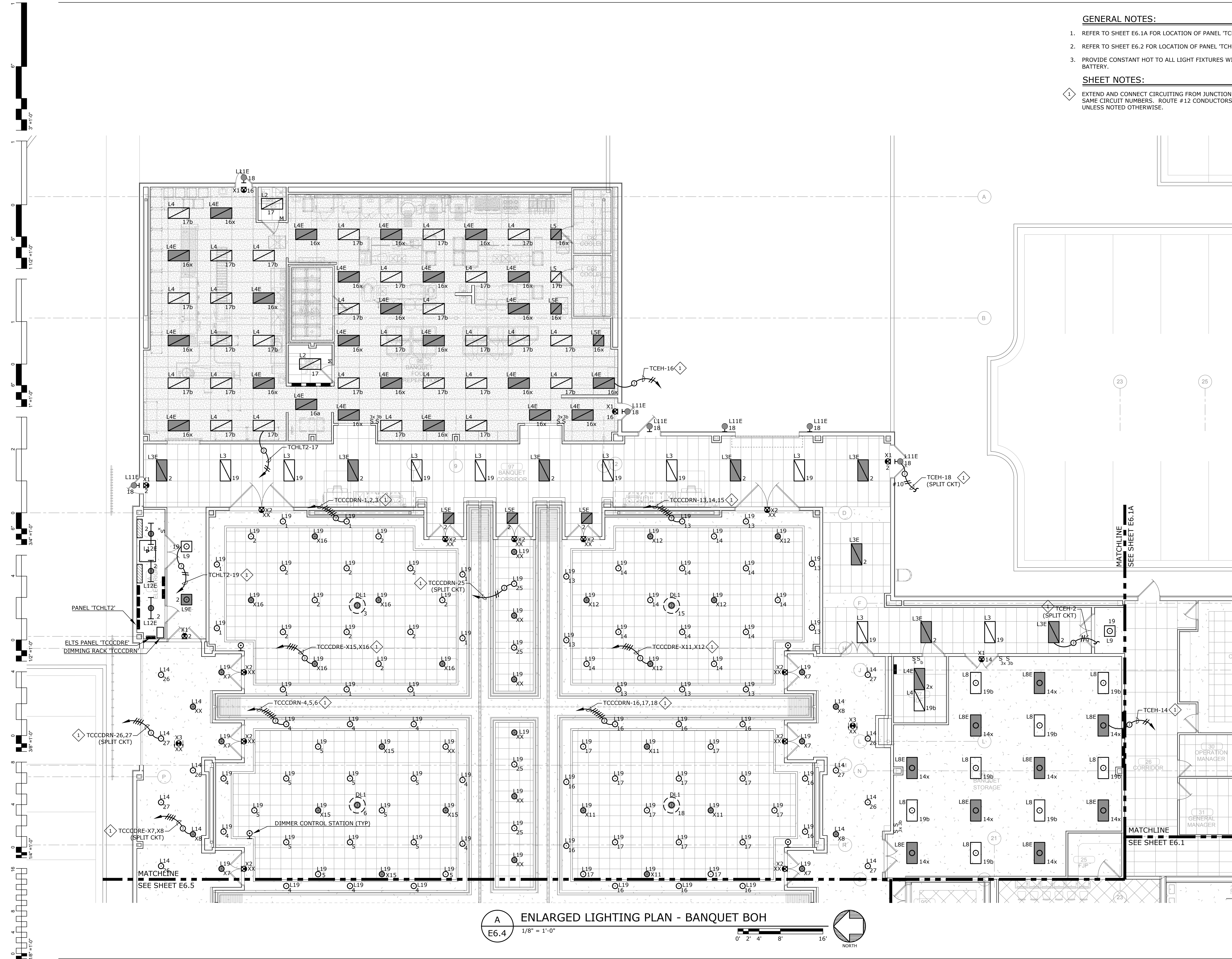
ENLARGED LIGHTING
PLAN - BANQUET BOH

GENERAL NOTES:

- REFER TO SHEET E6.1A FOR LOCATION OF PANEL 'TCEH'.
- REFER TO SHEET E6.2 FOR LOCATION OF PANEL 'TCHLT1'.
- PROVIDE CONSTANT HOT TO ALL LIGHT FIXTURES WITH INTEGRAL EMERGENCY BATTERY.

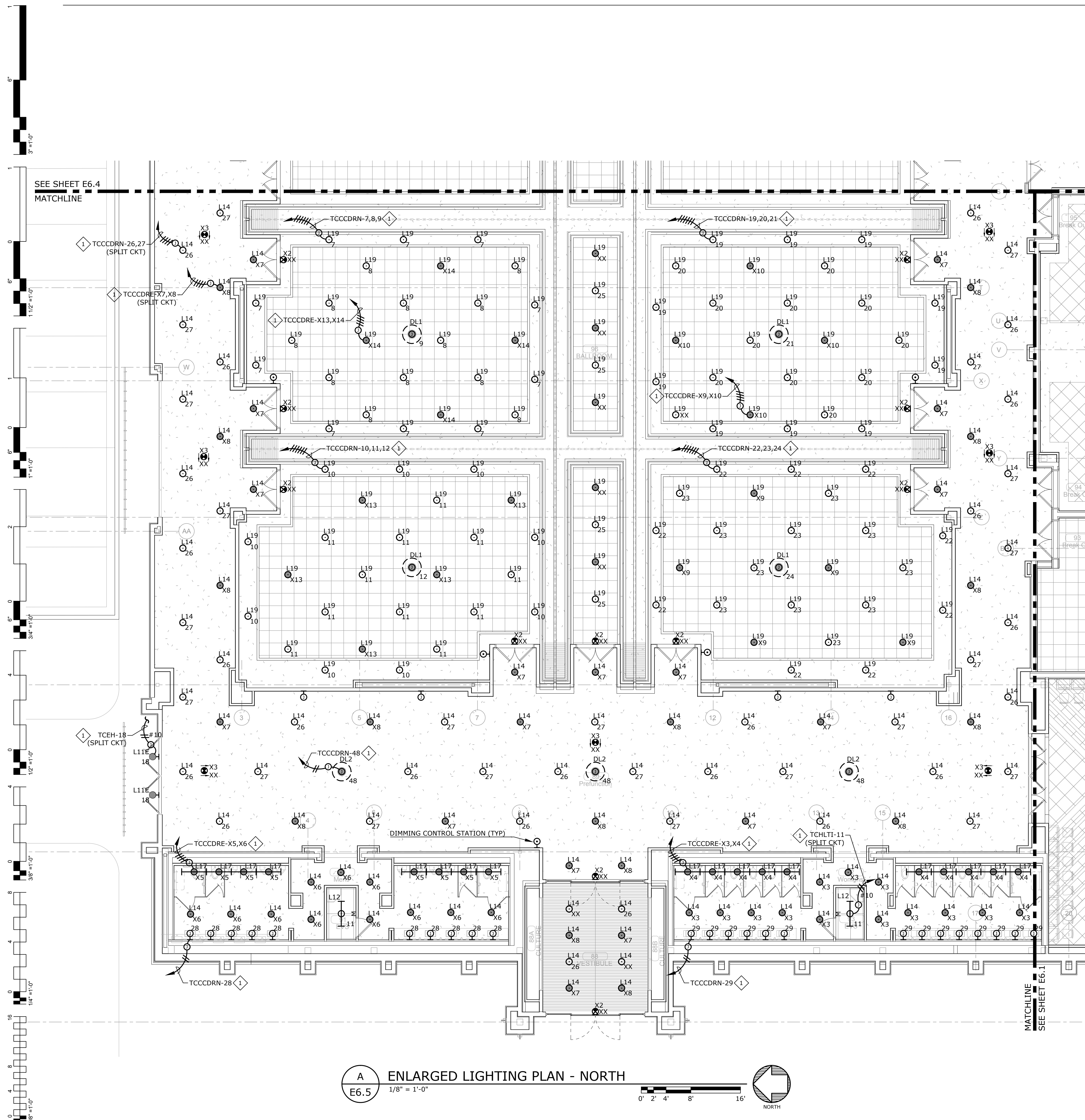
SHEET NOTES:

- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



A ENLARGED LIGHTING PLAN - BANQUET BOH
E6.4 1/8" = 1'-0"
0' 2' 4' 8' 16'
NORTH

REVISED
ENTIRE SHEET

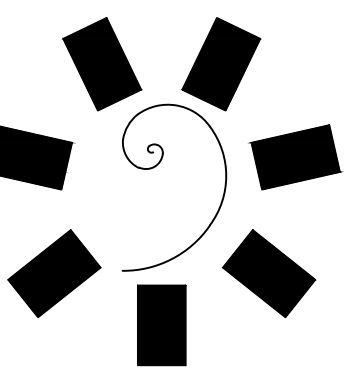


GENERAL NOTES:

- REFER TO SHEET E6.2 FOR LOCATION OF PANEL 'TCHLT1'.
- PROVIDE CONSTANT HOT TO ALL LIGHT FIXTURES WITH INTEGRAL EMERGENCY BATTERY.

SHEET NOTES:

- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



**James R. Childers
Architect, Inc.**
45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:
msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041



CLIENT:
**CHEROKEE NATION
Entertainment**
**Cherokee
CASINO**

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

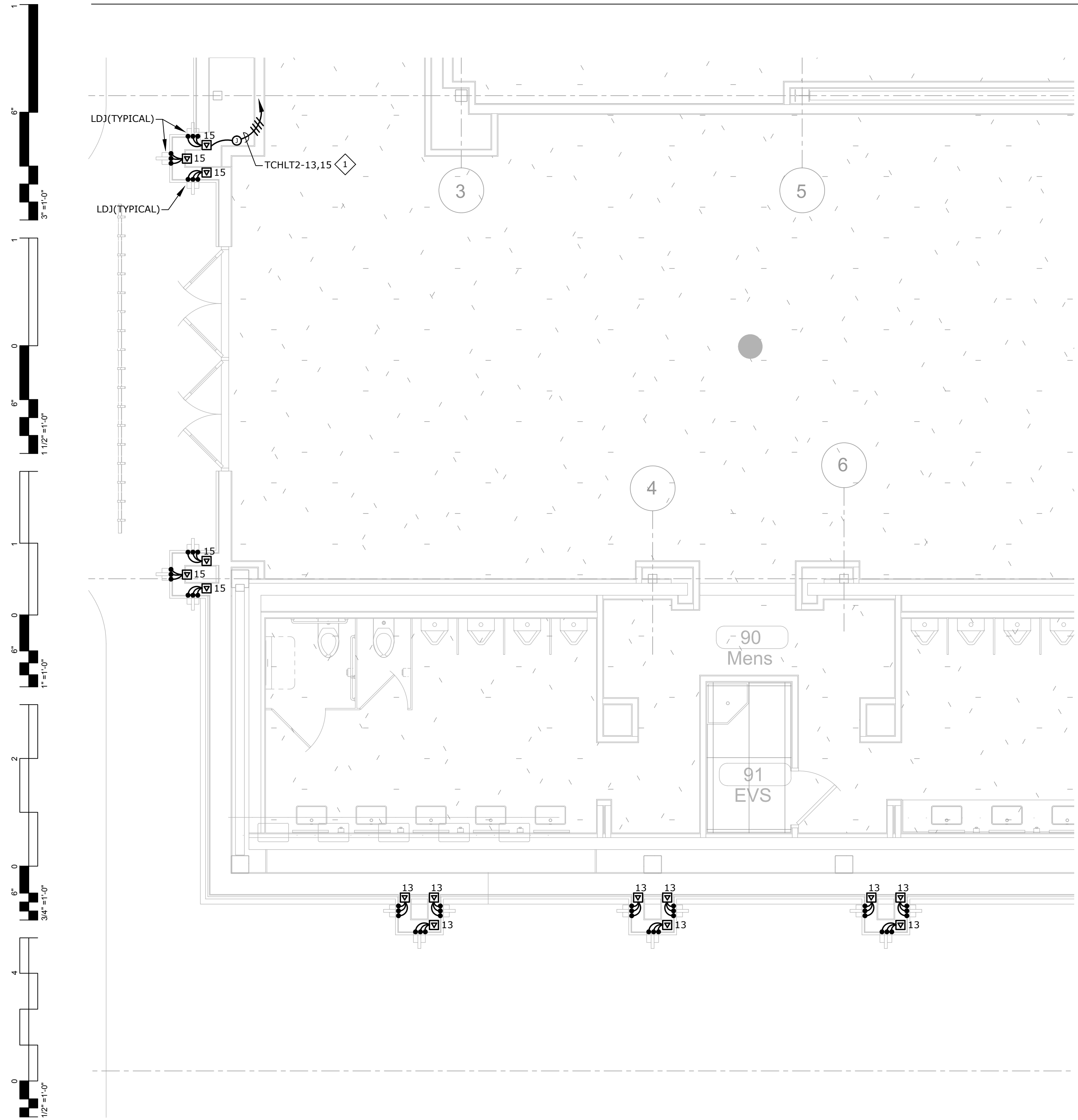
DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:
E6.5

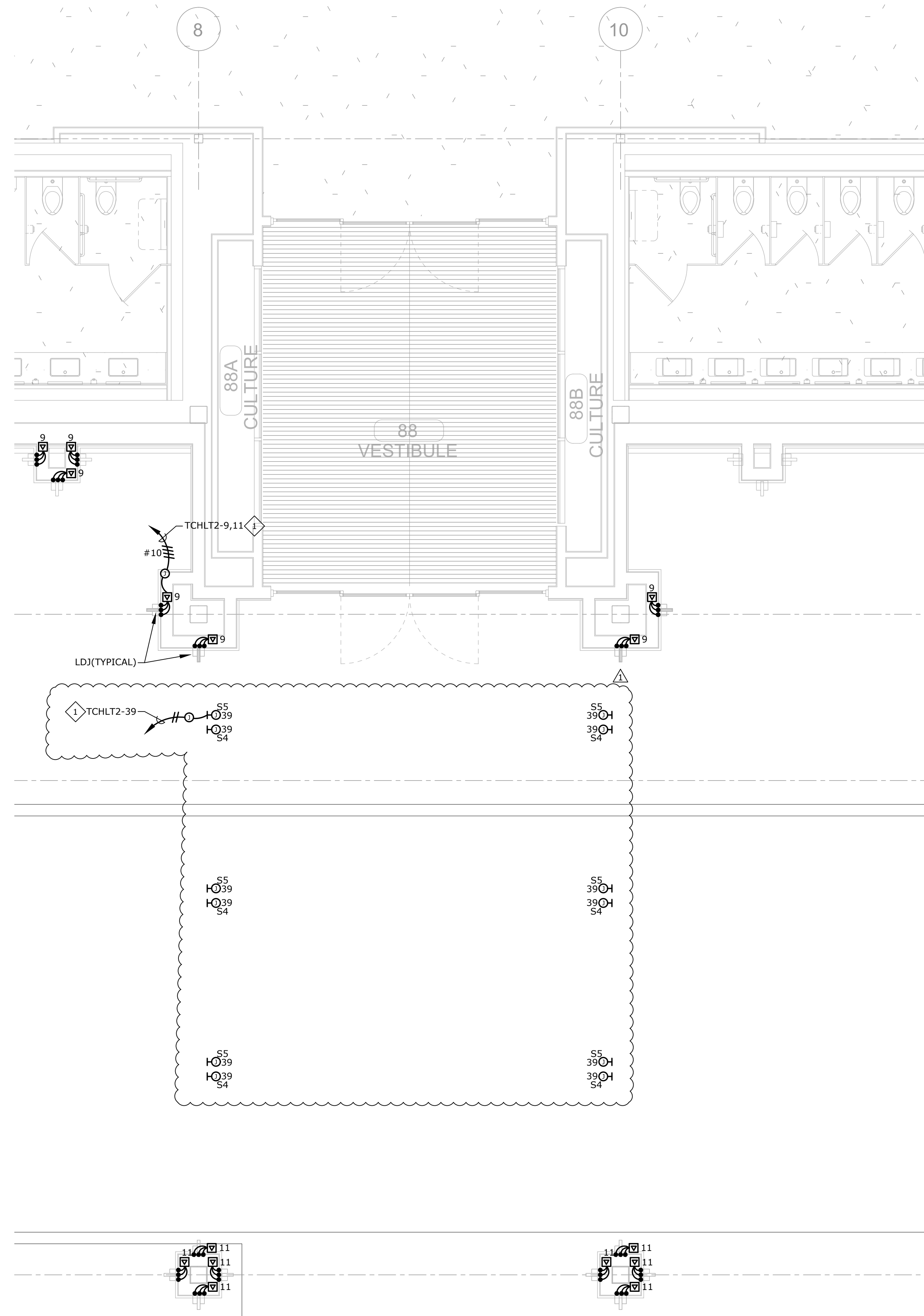
ENLARGED LIGHTING
PLAN - NORTH

A
E6.5 ENLARGED LIGHTING PLAN - NORTH
1/8" = 1'-0"
0' 2' 4' 8' 16'
NORTH

REVISOR
ENTIRE SHEET

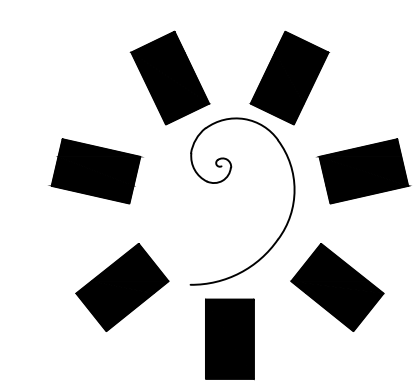
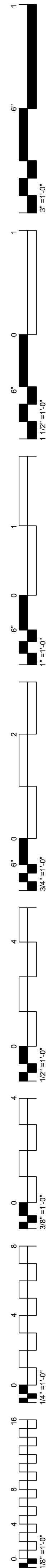


A ENLARGED EXTERIOR LIGHTING PLAN
 E7.1 1/4" = 1'-0"
 0' 1' 2' 4' 8'
 NORTH



B ENLARGED EXTERIOR LIGHTING PLAN
 E7.1 1/4" = 1'-0"
 0' 1' 2' 4' 8'
 NORTH

GENERAL NOTES:
 1. REFER TO SHEET E1.0 FOR LOCATION OF PANEL 'TCHLT2'.
SHEET NOTES:
 1. EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



James R. Childers Architect, Inc.
 45 South 4th Street
 Fort Smith, AR 72901
 479-783-2490
 www.childersarchitect.com



CONSULTANT LOGO:
msa
 ENGINEERING CONSULTANTS
 370 E Windmill Lane, Suite 100
 Las Vegas, NV 89123
 702.896.1100
 msa-ec.com
 MSA#L18041

CLIENT:
CHEROKEE NATION Entertainment
Cherokee CASINO

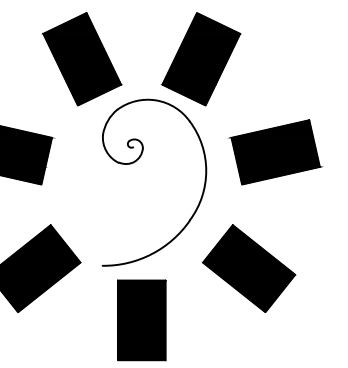
CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS	
#	DATE
1	05/22/18
	ADDENDUM #10

DATE: 05/03/18
 JOB NUMBER: 17-06

SHEET NUMBER:
E7.1
 ENLARGED EXTERIOR LIGHTING PLAN



James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:



MSA#L18041



CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

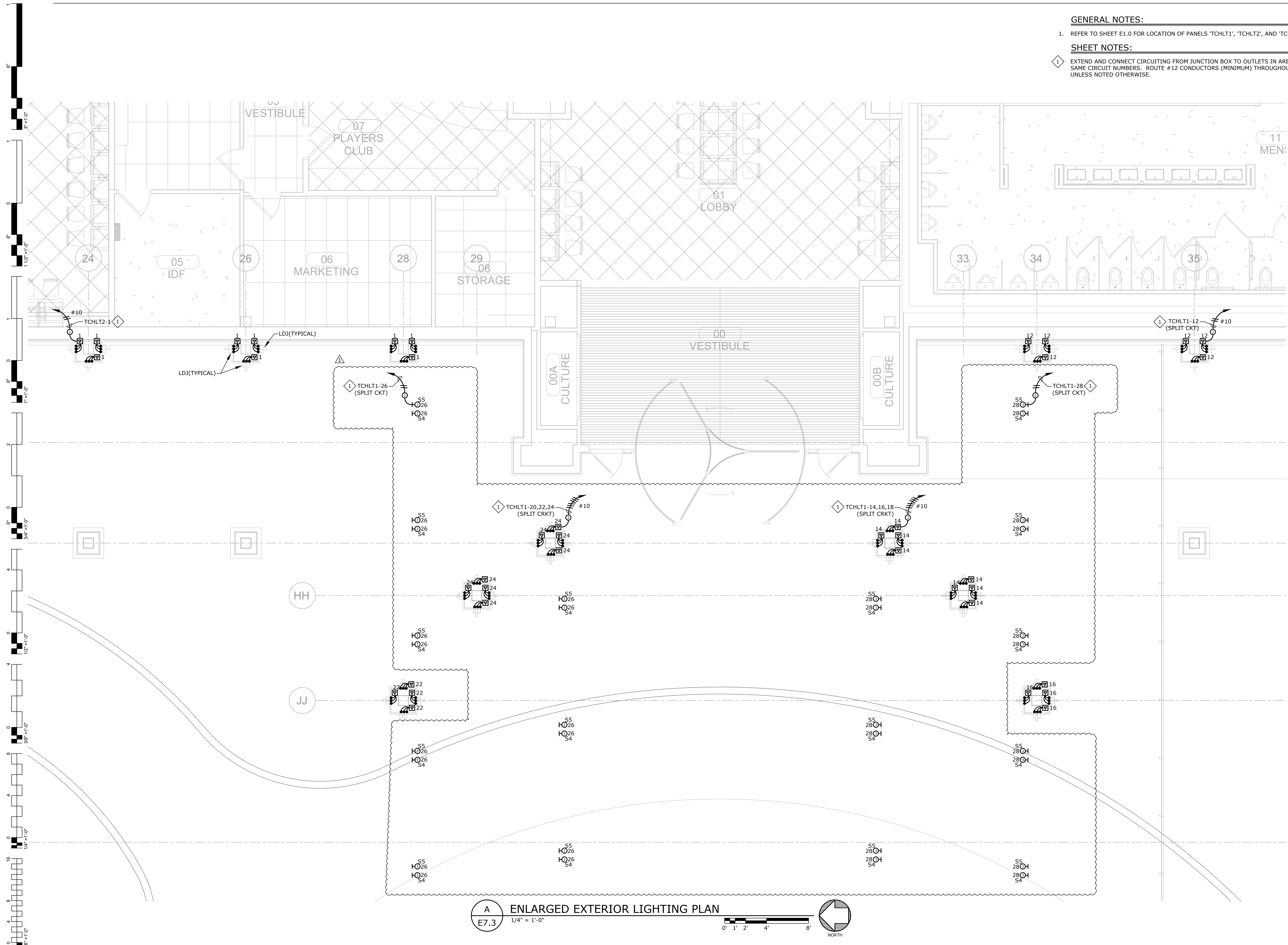
PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

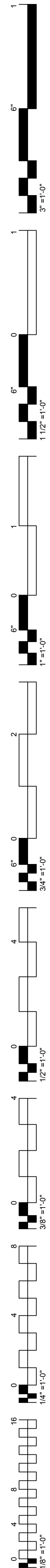
DATE: 05/03/18
JOB NUMBER: 17-06

SHEET NUMBER:
E7.3
ENLARGED EXTERIOR LIGHTING PLAN

- GENERAL NOTES:**
- REFER TO SHEET E1.0 FOR LOCATION OF PANELS 'TCHLT1', 'TCHLT2', AND 'TCHLT3'.
- SHEET NOTES:**
- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



A ENLARGED EXTERIOR LIGHTING PLAN
E7.3 1/4" = 1'-0" NORTH

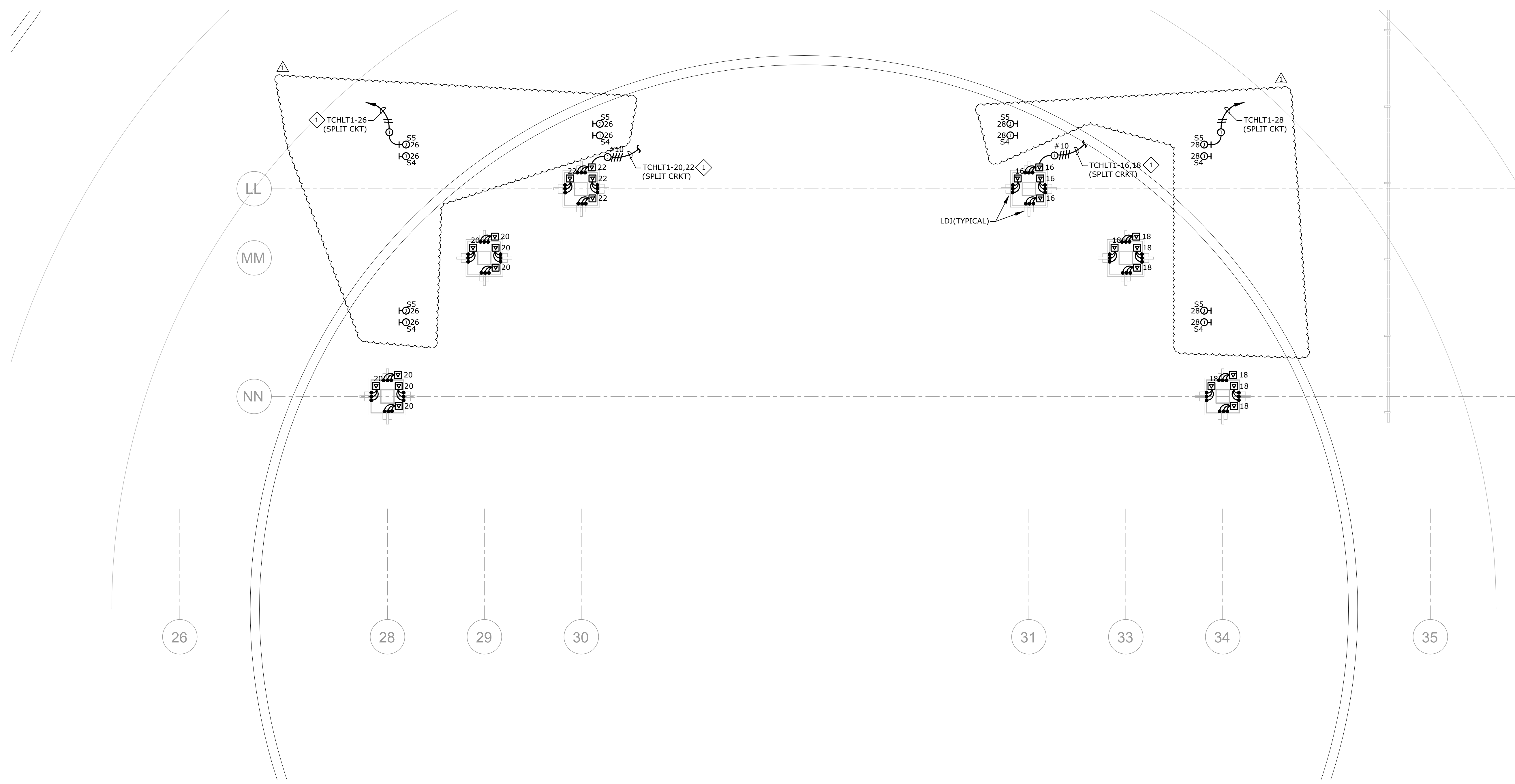


GENERAL NOTES:

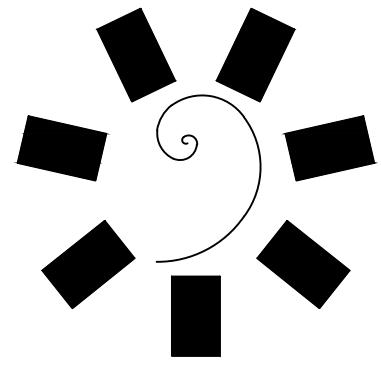
- REFER TO SHEET E1.0 FOR LOCATION OF PANELS 'TCHLT1' AND 'TCHLT3'.

SHEET NOTES:

- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



A ENLARGED EXTERIOR LIGHTING PLAN
 E7.4 1/4" = 1'-0" NORTH



James R. Childers Architect, Inc.
 45 South 4th Street
 Fort Smith, AR 72901
 479-783-2490
 www.childersarchitect.com



CONSULTANT LOGO:

msa
 ENGINEERING CONSULTANTS
 370 E Windmill Lane, Suite 100
 Las Vegas, NV 89123
 702.896.1100
 msa-ec.com
 MSA#L18041

CLIENT:

Cherokee
 CASINO

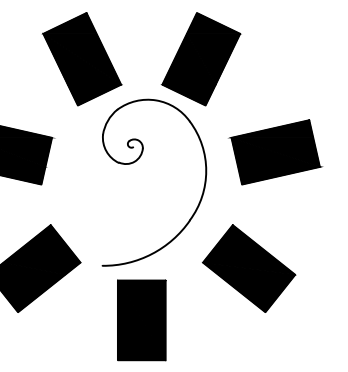
CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
 TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS		
#	DATE	DESCRIPTION
1	05/22/18	ADDENDUM #10

DATE: 05/03/18 JOB NUMBER: 17-06

SHEET NUMBER:
E7.4
 ENLARGED EXTERIOR LIGHTING PLAN



James R. Childers
Architect, Inc.

45 South 4th Street
Fort Smith, AR 72901
479-783-2460
www.childersarchitect.com



CONSULTANT LOGO:

msa
ENGINEERING CONSULTANTS
370 E Windmill Lane, Suite 100
Las Vegas, NV 89123
702.896.1100
msa-ec.com
MSA#L18041

CLIENT:

CHEROKEE NATION ENTERTAINMENT
TAHLEQUAH CASINO
TAHLEQUAH, OKLAHOMA

PROJECT PHASE:
BID PACKAGE 05

REVISIONS	
#	DESCRIPTION
1	ADDENDUM #10

DATE: 05/03/18
JOB NUMBER: 17-06

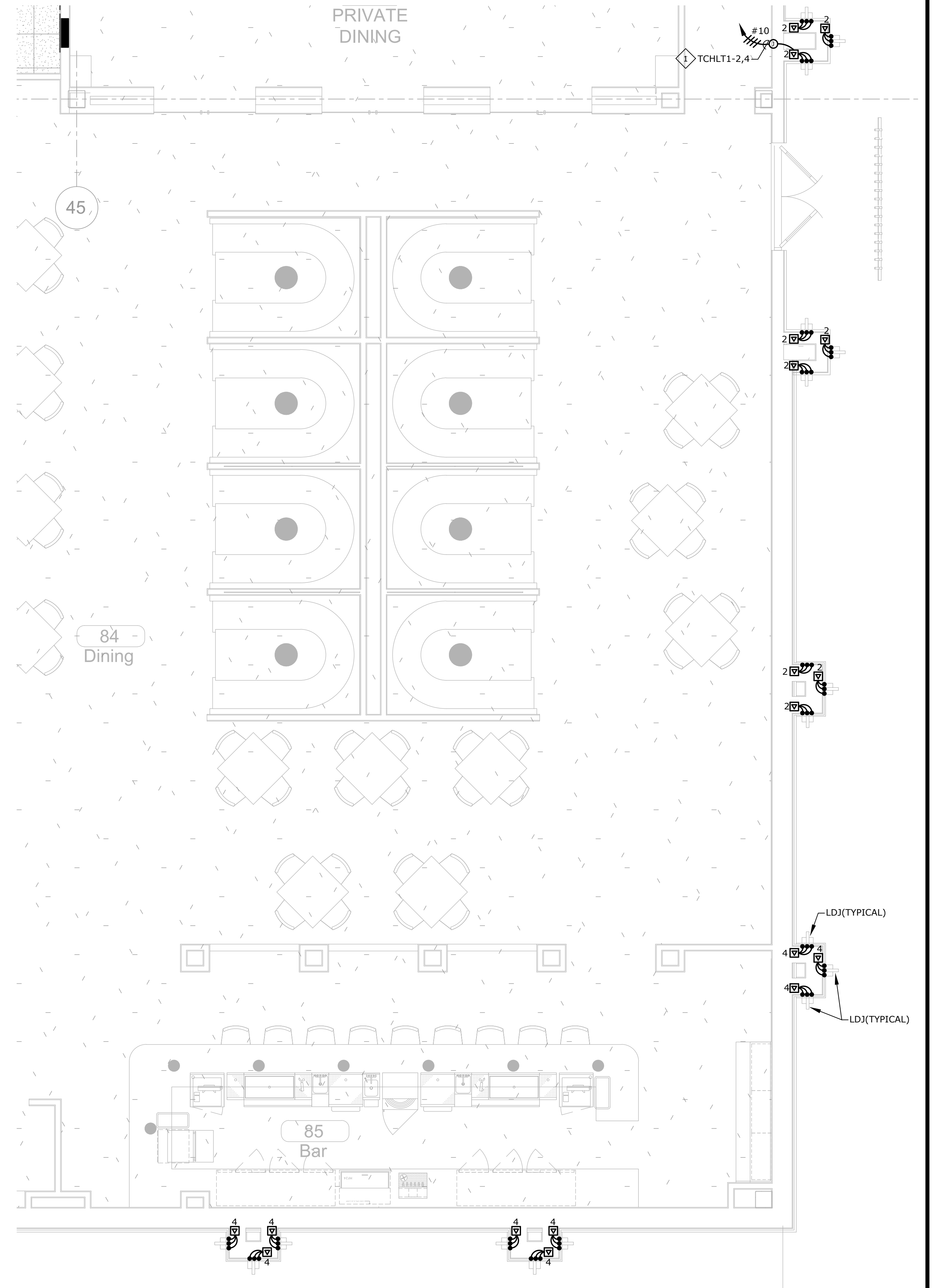
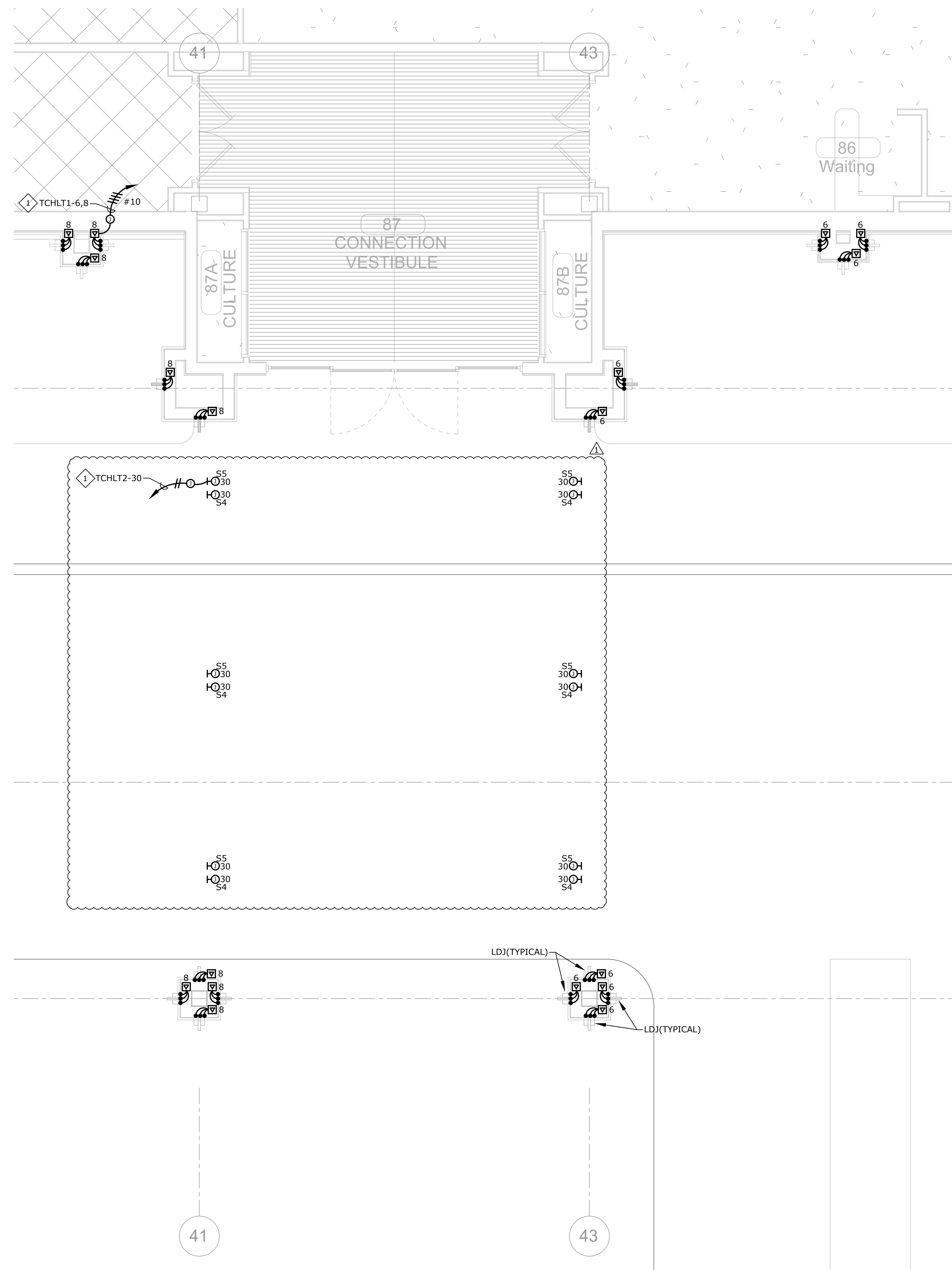
SHEET NUMBER:
E7.6
ENLARGED EXTERIOR LIGHTING PLAN

GENERAL NOTES:

- REFER TO SHEET E1.0 FOR LOCATION OF PANEL 'TCHLT1' AND 'TCHLT3'.

SHEET NOTES:

- EXTEND AND CONNECT CIRCUITING FROM JUNCTION BOX TO OUTLETS IN AREA WITH SAME CIRCUIT NUMBERS. ROUTE #12 CONDUCTORS (MINIMUM) THROUGHOUT, UNLESS NOTED OTHERWISE.



A
E7.6
ENLARGED EXTERIOR LIGHTING PLAN
1/4" = 1'-0"
0' 1' 2' 4' 8'
NORTH

B
E7.6
ENLARGED EXTERIOR LIGHTING PLAN
1/4" = 1'-0"
0' 1' 2' 4' 8'
NORTH

