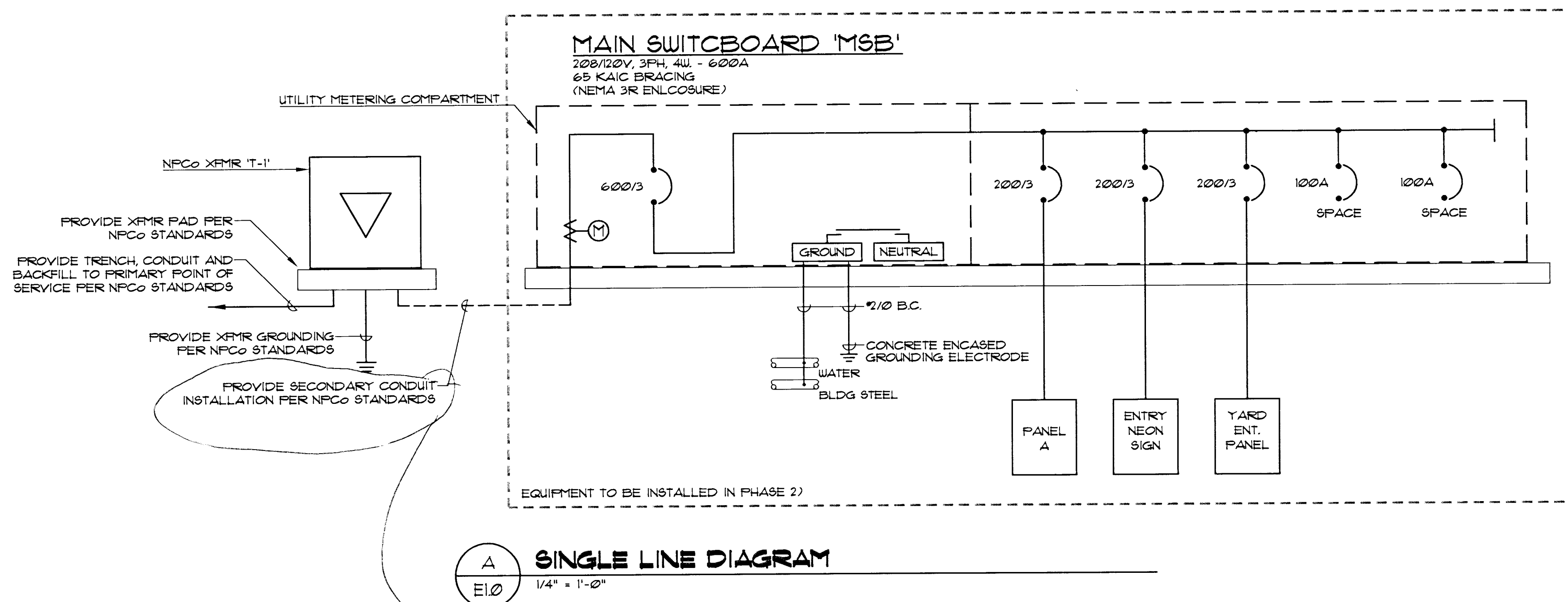


SPECIFICATIONS

- [illegible]



Load Calculation							
Area	Sq. Ft.	Lighting	Receptacles	Equipment	Mechanical	Signs / Equip (Est. Load*)	Total
Neon Museum	2,102						
Office Building Portion	1,072	3.0	1.0	1.0	8.0		
Museum / Lobby Area	1,030	3.0	0.5	1.0	8.0		
Entry Neon Signs						48,000.0	
Yard Neon Signs / Events						48,000.0	
Total Demand Load:		6,306	1,587	2,102	16,816	96,000	122,811
NEC Load:		122,811	@ 280/120V, 3Ph =		341.1 Amps		
Allowance: Spare (25%)		30,703	VA				
Total Equipment Load		153,514	@ 280/120V, 3Ph =		426.4 Amps		
Use 600A Service Entrance, 208/120V, 3 Phase, 4 Wire. NEC Load based on estimate of 400 signs @ 120V, for each future sign based on estimate from WESCO							

ELECTRICAL SYMBOL LIST

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

- | | | | |
|--|--|--|--|
| | FLUORESCENT FIXTURE - RECEBSED, LAY-IN | | PHOTOELECTRIC SWITCH - 1500 VA VON |
| | FLUORESCENT FIXTURE - RECEBSED, FLANGED | | SIGN OUTLET/CONNECTION |
| | FLUORESCENT FIXTURE - SURFACE | | SHUNT TRIP STATION |
| | FLUORESCENT FIXTURE - SUSPENDED | | MECHANICAL EQUIPMENT DESIGNATION |
| | FLUORESCENT FIXTURE - OPEN STRIP WITH WIRE GUARD | | LIGHTING FIXTURE DESIGNATION: TYPE A1, 500 WATT, QUANTITY * 2 |
| | INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - SURFACE OR RECEBSED, PER FIXTURE SCHEDULE | | C = CONNECTED LOAD
S = SUPPLY LOAD
E = EQUIPMENT LOAD
P = PERMANENT LOAD
(ON GENSET POWER) |
| | INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - WALL BRACKET | | SWITCHGEAR |
| | INCANDESCENT, H.I.D. OR MINI-FLUORESCENT - WALL WASH | | PANELBOARD - SURFACE MOUNTED |
| | LOW VOLTAGE INCAND. FIXTURE | | PANELBOARD - FLUSH MOUNTED |
| | CHANDELIER OR FAN (PROVIDE 5X STRUCTURAL BACKING) | | EXISTING / RELOCATED PANELBOARD - SURFACE MOUNTED |
| | SPOTLIGHT - J-BOX OR TRACK MOUNTED TRACK LENGTH AS INDICATED | | EXISTING / RELOCATED PANELBOARD - FLUSH MOUNTED |
| | BOLLARD | | TRANSFORMER |
| | POLE OR POST - ARM OR TOP MOUNTED CUT-OFF LUMINAIRE | | CONTROL STATION AT 148" TO TOP UON (PER ADA) |
| | TUN-LAMP BATTERY PACK - WALL MOUNTED AT 5" BELOW CEILING, UNSWITCHED | | RELAY |
| | TUN-LAMP BATTERY PACK - UNSWITCHED, CEILING MOUNTED, FLUSH OR SURFACE PER FIXTURE SCHEDULE | | CONTACTOR WITH INTEGRAL HOA SELECTOR |
| | EXIT LIGHT - FACES AND ARROWS AS INDICATED, UNIVERSAL MOUNTING, UNSWITCHED | | MAGNETIC STARTER, SIZE 1 UON |
| | COMBINATION SINGLE FACE EXIT LIGHT, ARROWS AS INDICATED WITH TUN LAMP BATTERY PACK, UNIVERSAL MOUNTING, UNSWITCHED | | DISCONNECT SWITCH, 30/2 UON, FUSEABLE, FUSE PER NAME PLATE, N-ON FUSED |
| | EXIT LIGHT - LOW LEVEL, 6" - 8" AFF. TO BOTTOM, 4" MAX. OFF DOOR FRAME | | COMBINATION STARTER 4 DISCONNECT, SIZE 1 UON |
| | FIXTURE, EQUIPMENT ON EMERGENCY (X) OR NIGHT LIGHT (NL) CIRCUIT | | X-PHASE MOTOR CONTROL ASSEMBLY |
| | WIRING DEVICE AT 48" TO CENTER LINE UON (PER ADA) | | H-RATED SWITCH AND POWER RELAY 20T (UON) |
| | DEVICES MOUNTED IN MULTIPLE UNDER COMMON COVER, MAXIMUM HEIGHT OF 8" AFF. TO TOP UON (PER ADA) | | PULLBOX - SIZE AND LOCATION AS REQUIRED |
| | DEVICES MOUNTED IN ONE ABOVE BACKSLASH, MAXIMUM HEIGHT ON WALLS + 48" TO TOP UON (PER ADA) | | JUNCTION BOX - SIZE PER NEC REQUIREMENTS |
| | WIRING DEVICE MULTI-COMPARTMENT FLUSH FLOOR MOUNTED UON | | MOISTURE SEAL-OFF |
| | DUPLEX RECEPTACLE | | SHEET NOTE DESIGNATION |
| | DUPLEX RECEPTACLE - HALF SWITCHED (TOP HALF) | | FEEDER DESIGNATION |
| | DUPLEX RECEPTACLE W/ INTEGRAL GFCI CIRCUITRY | | SIGNAL CIRCUITING DESIGNATION
(UNSHIELDED PAIR, B+SHIELDED PAIR, C+REBPA, F+HIRE FAIR) |
| | DUPLEX RECEPTACLE W/ ISOLATED GROUND (ORANGE FACES), NEHA 500/01G | | CIRCUITING IN WALL OR ABOVE CEILING |
| | DOUBLE-DUPLEX RECEPTACLE | | CIRCUITING IN FLOOR OR BELOW GRADE |
| | SPECIAL RECEPTACLE - SEE ADDITIONAL SYMBOLS | | TIES - NO. OF 12 WIRES IF MORE THAN TWO
--- ISOLATED GROUND WIRE |
| | CLOCK OUTLET | | HORN: (4) 1/2, 3/4" TO PANEL A CIR 135 |
| | TELEPHONE OUTLET | | OVERHEAD SERVICE |
| | DATA OUTLET | | PRIMARY |
| | | | TELEPHONE |
| | | | STUB OUT |
| | | | NEON LIGHTING |
| | | | PLUG HOLD SURFACE RACEWAY SYSTEM (2-CIRCUIT WITH OUTLETS 18" OC) OR MOUNTED ABOVE BACKSLASH UON |
| | | | WIREHOLD SURFACE RACEWAY |
| | | | TELEPHONE POLE |
| | | | FIRE ALARM EQUIPMENT |
| | | | LOCAL-ONLY SMOKE DETECTOR 120V, W/ INTEGRAL BATTERY AND CHALK WALL MOUNT AT 12" BELOW CEILING |
| | | | 30 AMP / 3 POLE (REPRESENTATIVE) |
| | | | AL ALUMINUM |
| | | | C CONDUIT (WITH PULL CORD IF OTHERWISE EMPTY) |
| | | | CU COPPER |
| | | | (E) EXISTING |
| | | | F FUSE (DUAL-ELBENT, TIME DELAY) |
| | | | FBO FURNISHED BY OTHERS |
| | | | GFCI GROUND FAULT CIRCUIT INTERRUPTER |
| | | | GND/SND GROUND |
| | | | HOA HAND-OFF-AUTOMATIC |
| | | | HP HORSPOURER |
| | | | K KCHL (300 KCHL + 300K) |
| | | | NF NON-FUSED |
| | | | NG NOT IN CONTRACT |
| | | | NL NIGHT LIGHT |
| | | | PTZ PAN, TILT, ZOOM (CAMERA) |
| | | | UNSW UNSWITCHED |
| | | | UON UNLESS OTHERWISE NOTED |
| | | | (R) RELOCATE |
| | | | RGS RIGID GALVANIZED STEEL |
| | | | UP WEATHER PROOF (NEHA 300) |
| | | | UT WATERIGHT (SUBMERSIBLE) |
| | | | (X) EXISTING TO BE REMOVED |

DRAWING INDEX

SHEET NUMBER	SHEET TITLE	ORIGINAL ISSUE DATE 10/29/2007	1	2	3
E-00	SYMBOL LIST AND SPECIFICATIONS	●			
E-10	ELECTRICAL PLAN	●			
	TOTAL	2			

RECOVERED

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CITY OF LAS VEGAS

PLANS APPROVED
ELECTRICAL
Building & Safety Dept.
City of Las Vegas, Nevada

HT OCT 15 2007

Does Not Include Structural, Architectural, Plumbing, Mechanical or On-Site Improvements. Make No Change Without Approval. Plan Is Not a Permit to Violate any Ordinance.



OCT 03 2007

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1000

PROJECT: **THE NEON MUSEUM,
LAS VEGAS, NEVADA**

SHEET TITLE:
**SPECIFICATIONS,
SYMBOL LIST, AND
DRAWING INDEX**

DRAWN
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CHECKED
DM
DATE
10/03/2007
SCALE
NOTED
JOB NO.
L07333
SHEET

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