

LIGHTING FIXTURE SCHEDULE				
TYPE	DESCRIPTION	MANUFACTURER CATALOG NO.	LAMPS	NOTES
A	2' X 4' LED WITH CENTER BASKET DISTRIBUTION - NIGHT COMPATIBLE	LITHONIA 2VTL4-48L-ADP-D47-LP835-N100	47W LED	
AD	2' X 4' LED WITH CENTER BASKET DISTRIBUTOR - NIGHT COMPATIBLE; 8-LEVEL DIMMING	LITHONIA 2VTL4-48L-ADP-D47-LP835-BLD	47W LED	
AD	2' X 4' LED WITH CENTER BASKET DISTRIBUTOR AND FLANGE MOUNT - NIGHT COMPATIBLE	LITHONIA 2VTL4-48L-ADP-D47-LP835-DGQ24-N100	47W LED	
B	2' X 4' LED WITH CENTER BASKET DISTRIBUTOR - NIGHT COMPATIBLE	LITHONIA 2VTL4-72L-ADP-D75-LP835-N100	75W LED	
BF	2' X 4' LED WITH CENTER BASKET DISTRIBUTOR AND FLANGE MOUNT - NIGHT COMPATIBLE	LITHONIA 2VTL4-72L-ADP-D75-LP835-DGQ24-N100	75W LED	
C	1' X 1' LED, RTSD HOUSING	LITHONIA RTSD-LED-35K-277-DM-NSD	33W LED	
D4	8" DIAMETER SURFACE CYLINDER LED DOWNLIGHT	GOTHAM EVO CIL 35 22 6AR WD MOLT FCM DMHG	LED 2200 LUMENS	COORDINATE MOUNTING REQUIRED WITH CANOPY DETAILS
D6	1' X 1' LED, RTSD HOUSING WITH CREE P4 XRE, LENS WITH OVERLAY	LITHONIA RTSD-LED-35K-277-DM-NSD WITH CREE P4 XRE LENS WITH OVERLAY	33W P4 CREE XRE LED	
D7	4" LED RECESSED SLOT FIXTURE WITH OPAL LENS, FLANGE MOUNT - NIGHT COMPATIBLE	LITHONIA 54LF-4FT-FL-N-35-AD-SW	LED	
D8	4" LED RECESSED SLOT FIXTURE WITH OPAL LENS, GRID MOUNT - NIGHT COMPATIBLE	LITHONIA 54FT-4FT-T0-N-35-AD-SW	LED	
D10	2" SQUARE LED RECESSED DOWNLIGHT WITH GLASS LENS - NIGHT COMPATIBLE	LITHONIA DL312P-NC-W-CONFIRM-8010-35-2 WITH HOUSING DH-NC-ZO-CONFIRM-8010-UNVA	LED-18W	
D11	2" SQUARE LED RECESSED WALLWASH DOWNLIGHT WITH GLASS LENS - NIGHT COMPATIBLE	LITHONIA DL352P-NC-W-CONFIRM-8010-35-2 WITH HOUSING DH-NC-ZO-CONFIRM-8010-UNVA	LED-18W	
E	6 VOLT TWIN-HEAD BATTERY LIGHT, SURFACE MOUNTED.	LITHONIA ELW2	INCLUDED	
F1	LED COVE LIGHT - 500 LUMENS/FT LENGTH PER ARCHITECTURAL DETAILS	LIGHT CONTROL CC-AH-L15-LENGTH-MO-35K-CWM-D10-1CW-VOLT	LED-8W/FT	PROVIDE LENGTH AS SHOWN
F2	LED UNDERCABINET LIGHT - 4 WATTS/FT LENGTH PER ARCHITECTURAL DETAILS	CONTECH LIGHTING ULEDB-WH-LESS SWITCH - HARDWARE CONNECTION	LED-4W/FT	PROVIDE LENGTH AS SHOWN
HK	LED WALL MOUNTED AREA LIGHT	LITHONIA DSWH1-LED-10C-350-40K-FTM-VOLT-PE-DOB80	LED-1100 LUMENS	REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT
N	LED HIGH-BAY FIXTURE, NARROW DISTRIBUTION, 24,000 LUMENS	LITHONIA BL-24L-ND-MVOLT-LP740DLC-RELOC	LED - 24,000 LUMEN	SUSPENDED FROM ROOF DECK - SEE DETAIL
N1	LED HIGH-BAY FIXTURE, NARROW DISTRIBUTION WITH MOTION SENSOR, 24,000 LUMENS	LITHONIA BL-24L-ND-MVOLT-LP740DLC-MS-RELOC	LED - 24,000 LUMEN	SUSPENDED FROM ROOF DECK - SEE DETAIL. MOTION SENSOR SHALL BE FACTORY SET FOR 20 MINUTE "ON" TIME.
N2	LED STRIP LIGHT CHANNEL, 96"	LITHONIA TZL1-L96-12000L-LPB40	LED - 12,000 LUMEN	
N3	LED LINEAR LIGHT WITH LENS, 96"	LITHONIA INT-8-803SL-UNH-POLY	LED - 8,000 LUMEN	
OA	4-HEAD DSX2 LED W/2 LARGE & 2 SMALL LIGHT ENGINES, (2) 1050mA DRIVERS, 4000K LED, THE TSW OPTICS	LITHONIA LIGHTING DSX2 LED BOC 1000 40K TSW MVOLT RPA DDB80 - AS720-490-DOB POLE LITHONIA RTS 39 9-OF 120 FBC DOB	LED-24,000 LUMEN EACH HEAD	CUT POLE TO 37", PROVIDE FIX FEETION BOX FOR POLES WITH RECEPTACLES
OB	2-HEAD DSX2 LED W/2 LARGE & 2 SMALL LIGHT ENGINES, (2) 1050mA DRIVERS, 4000K LED, THE TSW OPTICS	LITHONIA LIGHTING DSX2 LED BOC 1000 40K TSW MVOLT RPA DDB80 - AS720-290-DOB POLE LITHONIA RTS 39 9-OF 120 FBC DOB	LED-24,000 LUMEN EACH HEAD	CUT POLE TO 37", PROVIDE FIX FEETION BOX FOR POLES WITH RECEPTACLES
OC	2-HEAD DSX2 LED W/2 LARGE & 2 SMALL LIGHT ENGINES, (2) 1050mA DRIVERS, 4000K LED, THE TSW OPTICS	LITHONIA LIGHTING DSX2 LED BOC 1000 40K TSW MVOLT RPA L80/890 DDB80 - AS720-280-DOB POLE LITHONIA RTS 39 9-OF 120 FBC DOB	LED-24,000 LUMEN EACH HEAD	CUT POLE TO 37", PROVIDE FIX FEETION BOX FOR POLES WITH RECEPTACLES
OD	WALL MOUNTED DSW2 LED WITH 3 LIGHT ENGINES, 30,000-10000A DRIVER, 4000K LED, TYPE FORWARD THROW MEDIUM OPTIC	LITHONIA LIGHTING DSW2 LED 3OC 1000 40K 1F1M MVOLT DOB80	LED-8,000 LUMEN	REFER TO ARCHITECTURAL ELEVATIONS FOR MOUNTING HEIGHT
OE	42"H LED BOLLARD		LED	PROVIDE BASE ANCHORING PER MANUFACTURER'S RECOMMENDATIONS.
R	RECESSED INGROUND LED SPOTLIGHT	HYDREL M8B20 1 LED WHF41K MVOLT LSD FLC LP DOB	LED 84 WATTS	PROVIDE CONCRETE BASE PER MANUFACTURER'S RECOMMENDATIONS.
X1	L.E.D. EXIT SIGN WITH POLYCARBONATE HOUSING, RED LETTERS.	LITHONIA LQMSWR	LED	
X2	LED EXIT SIGN, EDGE LIT, RED LETTERS	LITHONIA EXR-EL-46	LED	

NOTE: LIGHT FIXTURES TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. NL NEXT TO FIXTURE ON THE FLOOR PLAN INDICATES NIGHT LIGHT TO REMAIN ON 24HRS A DAY.

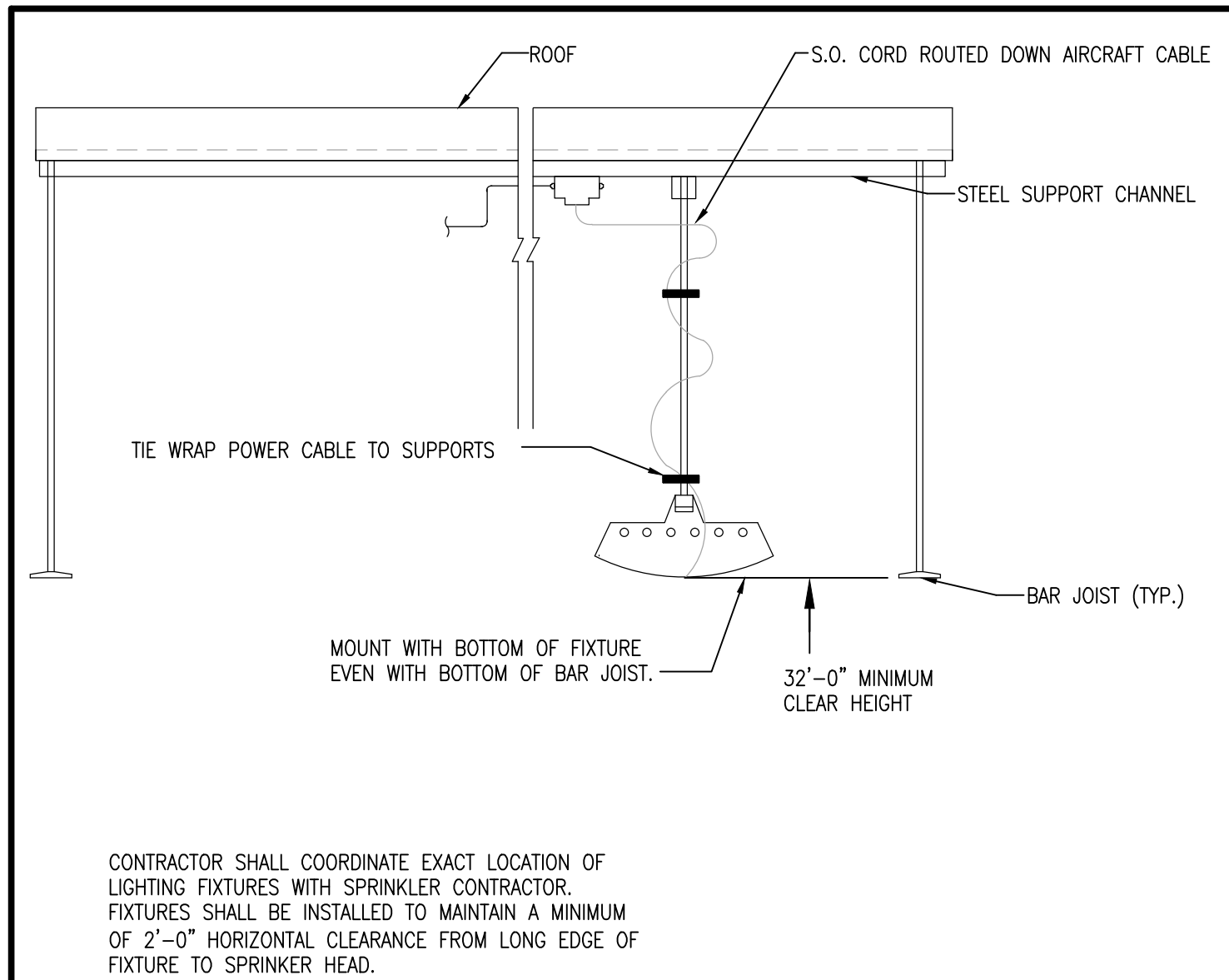
LIGHTING FIXTURE SCHEDULE (ALTERNATE)				
NOTE: PROVIDE A DEDUCTIVE ALTERNATE BID FOR A FLUORESCENT LIGHTING PACKAGE OVER THE BASE BID LED LIGHTING PACKAGE. PROVIDE ALL NECESSARY INTERFACE COMPONENTS, ETC TO COORDINATE THE FLUORESCENT LIGHTING WITH THE SPECIFIED CONTROL SYSTEM. ANY FIXTURES THAT DO NOT HAVE AN ALTERNATE FIXTURE SPECIFICATION SHALL REMAIN AS THE SPECIFIED LED FIXTURE.				
TYPE	DESCRIPTION	MANUFACTURER CATALOG NO.	LAMPS	NOTES
A (ALT)	2' X 4' LENSED, VOLUMETRIC TROFFER, 2-LAMP TS, SPECIFICATION GRADE, ACRYLIC DIFFUSER, ELECTRONIC BALLAST, GRID TYPE.	LITHONIA 2VTS-2-28T5-AP	2-F28/T5	
AD (ALT)	2' X 4' LENSED, RECESSED HIGH EFFICIENCY TROFFER, 2-LAMP TS, WITH SHALLOW HOUSING, SPECIFICATION GRADE, ELECTRONIC BALLAST, FLANGED TYPE.	LITHONIA 2RTS5-28T5-44-LPM83SP	2-F28/T5/SP35	WITH 8-10V DIMMING BALLAST TYPE A WITH DIMMER.
AF (ALT)	2' X 4' LENSED, RECESSED HIGH EFFICIENCY TROFFER, 2-LAMP TS, WITH SHALLOW HOUSING, SPECIFICATION GRADE, ELECTRONIC BALLAST, FLANGED TYPE.	LITHONIA 2RTS5-T-28T5-CEB85-LPM83SP	2-F28/T5/SP35	
B (ALT)	2' X 4' LENSED, PARAMAX PARABOLIC TROFFER, 3-LAMP TS, 18-CELL SEM-SPHERICAL LUM, SPECIFICATION GRADE, ELECTRONIC BALLAST, GRID TYPE.	LITHONIA 2PM3N-G-8-B-3-28T5-18LD-MVOLT-OSPS	3-F28/T5	
BF (ALT)	2' X 4' LENSED, PARAMAX PARABOLIC TROFFER, 3-LAMP TS, 18-CELL SEM-SPHERICAL LUM, SPECIFICATION GRADE, ELECTRONIC BALLAST, FLANGE TYPE.	LITHONIA 2PM3N-F-B-3-28T5-18LD-MVOLT-OSPS	3-F28/T5	
C (ALT)	1' X 1', LENSED, 32W TRIPLE TUBE COMPACT FLUORESCENT, ACRYLIC PRISMATIC LAMP DIFFUSER, SPECIFICATION GRADE, GRID TYPE.	LITHONIA RTSD-32-WATT-TRT	2-F32/TRT	
N2 (ALT)	4", 2-LAMP STRIP, ELECTRONIC BALLAST.	LITHONIA C232-ANCP	2-F32T8/SP35	CHAIN HUNG OR SURFACE MTD.
D6 (ALT)	COMPACT FLUORESCENT LENSED DOWNLIGHT ARCHITECTURAL GRADE, 6" APERTURE, WHITE Baffle, ELECTRONIC BALLAST, TRM RING, MINIMUM 0° STARTING TEMP.	LITHONIA LP8N-2/42TRT-F8L14-MVOLT-WLP35	2-F42T4/35K	
D2 (ALT)	COMPACT FLUORESCENT SHALLOW PLENUM LENSED DOWNLIGHT ARCHITECTURAL GRADE, 6" APERTURE, WHITE Baffle, ELECTRONIC BALLAST, TRM RING, MINIMUM 0° STARTING TEMP.	LITHONIA LGFLP-1/32TRT-6RW-173-MVOLT-WLP35	1-F32T4/35K	
D3 (ALT)	COMPACT FLUORESCENT DOWNLIGHT ARCHITECTURAL GRADE, 6" APERTURE, CLEAR REFLECTOR, ELECTRONIC DIMMING BALLAST, TRM RING.	LITHONIA LP6F-277-32TRT-ABEZ-TRW-607A	1-F32T4/35K	
DA (ALT)	PENDANT COMPACT FLUORESCENT DOWNLIGHT ARCHITECTURAL GRADE, 6" APERTURE, TRANSLUCENT ACRYLIC REFLECTOR, ELECTRONIC BALLAST.	ZUMTOBEL COTT 042 UNV CPAC2 COTA COTL	1-142TRT/35K	PENDANT MTD AT 11'-0" TO BOTTOM OF FIXTURE
D7 (ALT)	MODULAR LIGHTING, EXTRUDED METAL HOUSING, WHITE INTERIOR, OPAL LENS SUSPENDED/SURFACE MOUNT/DIRECT LIGHT TOTAL INPUT WATTS = 53 AT 120.0 VOLTS THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.	SELUX M10-2T5-OD (M100 GROUP)	2-F28T5	
D8 (ALT)	MODULAR LIGHTING, EXTRUDED METAL HOUSING, WHITE INTERIOR, OPAL LENS SUSPENDED/SURFACE MOUNT/DIRECT LIGHT TOTAL INPUT WATTS = 53 AT 120.0 VOLTS THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.	SELUX M10-2T5-OD (M100 GROUP)	2-F28T5	
H	EXTERIOR METAL HALIDE WALLPACK WITH CAST ALUMINUM HOUSING, GLASS REFRACTOR, INTEGRAL PHOTOCELL, HPF BALLAST, FULL CUTOFF.	LITHONIA TWH-100M-120-SCRM-PE-FS	1-100MH	REFER TO ARCHITECT'S ELEVATION FOR EXACT MOUNTING HEIGHT
H2	EXTERIOR METAL HALIDE WALLPACK WITH CAST ALUMINUM HOUSING, GLASS REFRACTOR, HPF BALLAST, FULL CUTOFF.	LITHONIA TWH-400M-480-SCRM-FS-LPI	1-400MH	REFER TO ARCHITECT'S ELEVATION FOR EXACT MOUNTING HEIGHT
HK (ALT)	EXTERIOR EGRESS WALLPACK, 2-LAMP, BOTH LAMPS WITH INTEGRAL PHOTOCELL.	LITHONIA WST-2/32TRT-MD-PE	2-32TRT	
N (ALT)	FLUORESCENT HIGH-BAY FIXTURE, NARROW DISTRIBUTION, (2) 3-LAMP BALLAST	LITHONIA IBZ-654L-ND5-HVOLT-2/3	6-48T5HO/41K	
N1 (ALT)	FLUORESCENT HIGH-BAY FIXTURE, NARROW DISTRIBUTION, (2) 3-LAMP BALLAST, INTEGRAL MOTION SENSOR.	LITHONIA IBZ-654L-ND5-HVOLT-2/3-MSI	6-48T5HO/41K	MOTION SENSOR SHALL BE FACTORY SET FOR 20 MINUTE "ON" TIME.
N3 (ALT)	TANDEM 4", 2-LAMP STRIP WITH (2) 2 LAMP ELECTRONIC BALLAST WIRED IN SERIES, MISGUARDED, TANDEM WIRED FOR 8' LENGTH.	LITHONIA TZ-228T5-MVOLT-TLW-(2)WC246	4-F28T5/41K	CHAIN HUNG WITH BOTTOM OF FIXTURE 14'-0" AFF.
R (ALT)	RECESSED INGROUND METAL HALIDE SPOTLIGHT	HYDREL 9100MH70/TSF/30	1-70MH	

NOTE: LIGHT FIXTURES TO BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO PURCHASE AND INSTALLATION. NL NEXT TO FIXTURE ON THE FLOOR PLAN INDICATES NIGHT LIGHT TO REMAIN ON 24HRS A DAY.

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ELECTRICAL GENERAL NOTES

- ALL EMERGENCY CIRCUITS SERVING NIGHT/EMERGENCY LIGHTING SHALL BE MINIMUM #10 AWG CONDUCTORS FOR THE ENTIRE CIRCUIT FOR 120 VOLT CIRCUITS OVER 100 FEET, AND 277 VOLT CIRCUITS OVER 200 FEET.
- WHEN CONDUCTOR OR CONDUIT SIZE IS INDICATED FOR BRANCH CIRCUIT HOMERUN, THE CONDUCTOR AND CONDUIT SIZE INDICATED SHALL BE USED FOR THE COMPLETE CIRCUIT.
- REFER TO THE APPROPRIATE DRAWINGS FOR THE EXACT LOCATION OF EQUIPMENT INSTALLED UNDER OTHER DIVISIONS OF THE DOCUMENTS WHICH REQUIRE ELECTRICAL SERVICE.
- CAPITAL LETTER BESIDE LIGHTING SYMBOL INDICATES FIXTURE TYPE. REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE SELECTION.
- EQUIPMENT GROUNDING CONDUCTORS ARE TO BE INCLUDED IN ALL RACEWAYS.
- ARC FLASH WARNING LABELS SHALL BE FIELD APPLIED TO ALL ELECTRICAL EQUIPMENT PER NATIONAL ELECTRICAL CODE ARTICLE 110.16.
- ALL MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 210.4.
- ELECTRICAL INSTALLATION SHALL COMPLY WITH THE 2008 NATIONAL ELECTRICAL CODE AND ADA/ADAA.
- PROVIDE A PLAQUE AT EACH SERVICE EQUIPMENT LOCATION DENOTING ALL OTHER SERVICES IN THE BUILDING AND THE AREA SERVED BY EACH.
- WHERE CIRCUIT BREAKERS OR FUSES ARE SERIES COMINATION RATED, THE ENCLOSURE FOR THE OVERCURRENT DEVICES SHALL BE CLEARLY AND LEGIBLY MARKED IN THE FIELD TO INDICATE THE EQUIPMENT HAS BEEN APPLIED WITH A SERIES COMBINATION RATING. THE MARKING SHALL BE READILY VISIBLE AND STATE THE FOLLOWING:
CAUTION - SERIES COMBINATION SYSTEM RATED _____ AMPERES. IDENTIFIED REPLACEMENT COMPONENTS REQUIRED.



HIGHBAY LIGHTING INSTALLATION

SCALE: NONE

ELECTRICAL GENERAL NOTES

- ALL 120V CIRCUITS LESS THAN 75' IN LENGTH SHALL BE #12 CONDUCTORS. ALL 120V CIRCUITS BETWEEN 76' AND 140' SHALL BE #10 CONDUCTORS. ALL 120V CIRCUITS OVER 141' SHALL BE #8 CONDUCTORS UNLESS OTHERWISE NOTED.
- ALL 277V CIRCUITS LESS THAN 125' IN LENGTH SHALL BE #12 CONDUCTORS. ALL 277V CIRCUITS BETWEEN 126' AND 185' SHALL BE #10 CONDUCTORS. ALL 277V CIRCUITS OVER 186' SHALL BE #8 CONDUCTORS UNLESS OTHERWISE NOTED.
- ALL 480V CIRCUITS LESS THAN 160' IN LENGTH SHALL BE #12 CONDUCTORS. ALL 480V CIRCUITS BETWEEN 161' AND 225' SHALL BE #10 CONDUCTORS. ALL 480V CIRCUITS OVER 226' SHALL BE #8 CONDUCTORS UNLESS OTHERWISE NOTED.
- ALL LIGHTING IN THE WAREHOUSE SHALL BE CONTROLLED WITH A LOW VOLTAGE LIGHTING CONTROL SYSTEM CONSISTING OF RELAYS, LOCAL SWITCHES AT VARIOUS LOCATIONS AND AUTOMATED CONTROLS THROUGH THE BMS SYSTEM. SYSTEM SHALL BE LOGIC OR EQUAL.
- CONTRACTOR TO HAVE THE SWITCHGEAR MANUFACTURER PROVIDE A SHORT CIRCUIT AND ARC FAULT ANALYSIS AS PART OF THE SWITCHGEAR SUBMITTAL. ALL REVISIONS TO THE SWITCHGEAR AS FOUND DEFICIENT IN THE ANALYSIS SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- PROVIDE A LIGHTNING PROTECTION SYSTEM FOR THE ENTIRE BUILDING. SYSTEM SHALL BE IN ACCORDANCE WITH LPI AND NFPA. PROVIDE ALL SURGE SUPPRESSION EQUIPMENT AS REQUIRED BY THE MANUFACTURER, LPI AND NFPA TO PROVIDE A UL MASTER LABEL.
- PROVIDE POWER CONNECTIONS TO ALL COMPONENTS AS DEFINED ON OTHER DISCIPLINE'S DRAWINGS TO INCLUDE BUT NOT BE LIMITED TO HVAC, PLUMBING, CIVIL, LANDSCAPE, IRRIGATION AND MATERIAL HANDLING.
- PROVIDE A ENERGY CODE COMPLIANT LIGHTING CONTROL SYSTEM FOR THE OFFICE AREA TO INCLUDE OCCUPANCY SENSORS, DAYLIGHT CONTROLS, AUTOMATIC SHUTOFF, DIMMING CONTROLS, ETC.
- INCOMING ELECTRICAL SERVICE SHALL BE COORDINATED WITH THE UTILITY COMPANY. CONTRACTOR TO INCLUDE ALL PRIMARY RACEWAYS TO THE PROPERTY LINE, ALL SECONDARY FEEDERS AND CONNECTIONS AND ALL C.T.'S AS REQUIRED. PAD MOUNTED TRANSFORMERS AND PRIMARY CONDUCTORS TO BE BY THE UTILITY COMPANY.
- ALL ELECTRICAL POWER WIRING WITHIN THE CONFINES OF THE WAREHOUSE AREA SHALL BE RUN IN EMT RACEWAYS IN A NEAT AND WORKMANSHIP MANNER. MC CABLE IS NOT PERMITTED. THIS INCLUDES ALL POWER CIRCUITRY. WAREHOUSE LIGHTING IS PERMITTED TO BE RUN IN MODULAR WIRING (RELOC).
- PROVIDE PROVISIONS FOR 120V POWER AT EIGHT (8) DOORS FOR CARD ACCESS EQUIPMENT.
- THE QUARHOUSE IS TO BE A PREFABRICATED COMPONENT. PROVIDE ELECTRICAL CONNECTIONS AS REQUIRED. PROVIDE CONNECTIONS TO ALL GATES, CONTROL, ARMS, ETC.
- THE BUILDING IS TO HAVE PROVISIONS FOR A FUTURE ARRAY OF ROOF-MOUNTED SOLAR PANELS. PROVIDE ELECTRICAL PROVISIONS AS REQUIRED.

FIRE RATED WALL NOTE

NOTE: THERE ARE TO BE NO OPEN PENETRATIONS THROUGH FIRE RATED WALL AT COLUMN LINES 7 AND C. FIRE SEAL ALL PENETRATIONS WITH APPROVED MATERIAL.

ELECTRICAL SYMBOL LEGEND

SYMBOL	DESCRIPTION	HEIGHT
\$	SINGLE POLE SINGLE THROW TOGGLE SWITCH (NOTE L-1)	46"
\$ _{3/4}	THREE-WAY TOGGLE SWITCH/FOUR-WAY TOGGLE SWITCH (NOTE L-1)	46"
\$ _M	MOTOR RATED SWITCH	
\$ _K	KEYED SWITCH	46"
\$ _T	TIMER SWITCH	46"
D	DIMMER SWITCH (NOTE L-1)	46"
D ₃	THREE-WAY DIMMER SWITCH (NOTE L-1)	46"
□/□/□	DUPLEX / QUAD RECEPTACLE OUTLET (NOTE L-1)	18"
□/□/□/□	GFI DUPLEX / GFI DUPLEX ABOVE COUNTER / GFI QUAD RECEPTACLE (NOTE L-1)	18"/43"
□/□/□	DUPLEX / QUAD RECEPTACLE OUTLET ABOVE COUNTER MOUNTED (NOTE L-1)	43"
□/□	ISOLATED GROUND DUPLEX RECEPTACLE OUTLET	18"
□	SPECIAL PURPOSE RECEPTACLE OUTLET, NEMA CONFIGURATION TO MATCH PLUG. (NOTE L-1)	18"
□	SPLIT WIRED DUPLEX RECEPTACLE. ONE RECEPTACLE SHALL BE SWITCHED AS SHOWN ON PLANS (NOTE L-1)	18"
□/□	DUPLEX RECEPTACLE OUTLET, CEILING MOUNTED/FLOOR MOUNTED	
□	MULTI-OUTLET ASSEMBLY WITH OUTLETS ON CENTERS AS INDICATED IN NOTES OR SPECIFICATIONS MOUNT 6" ABOVE COUNTER OR AS INDICATED	
□	FIRE-RATED POKE-THRU DEVICE	
□/□/□	JUNCTION BOX, CEILING/WALL/FLOOR MOUNTED	
→	ARROWHEAD INDICATES HOMERUN. X-1,3,5 ADJACENT TO HOMERUN. ARROWHEADS INDICATES HOMERUN TO PANEL X CIRCUIT NUMBERS 1,3, AND 5.	
→	INDICATES CIRCUIT CONTINUATION OF CIRCUITS 3 AND 5 OF PANEL X.	
□	MARKS ACROSS RACEWAY SYMBOLS INDICATE THE NUMBER OF #12 CONDUCTORS (2 PHASE, 1 NEUTRAL) UNLESS OTHERWISE NOTED. NO MARKS INDICATES TWO #12 CONDUCTORS. EQUIPMENT GROUNDING CONDUCTORS ARE NOT INDICATED BY MARKS.	
□	RACEWAY/CABLE CONCEALED IN WALL AND/OR ABOVE CEILING	
□	RACEWAY CONCEALED BELOW GRADE OR IN-SLAB	
□	RACEWAY/CABLE CONCEALED IN WALL AND/OR ABOVE CEILING - EMERGENCY CIRCUIT	
□	RACEWAY INSTALLED EXPOSED	
□	GROUNDING CONNECTION (SYSTEM AND/OR EQUIPMENT)	
□	CONDUIT TURNING UP/DOWN	
□	CONDUIT STUB. TERMINATE IN INSULATED BUSHING OR CAP IF UNDERGROUND	
□	FLUORESCENT LIGHTING FIXTURE, 2X4, 1X4, 2X2	
□	FLUORESCENT LIGHTING FIXTURE, 2X4, 1X4, 2X2 - PROVIDING EMERGENCY ILLUMINATION	
□/□	LIGHTING FIXTURE - OVERHEAD/WALL MOUNTED	
□/□	EMERGENCY LIGHTING FIXTURE - OVERHEAD/WALL MOUNTED	
□	FLUORESCENT STRIP FIXTURE - OVERHEAD/WALLMOUNTED	
□	DIRECTIONAL OR WALL WASH LIGHTING FIXTURE	
□	LIGHT TRACK AND LIGHT TRACK FIXTURES	
□	POLE MOUNTED LIGHT FIXTURE WITH ARM. SEE PLANS FOR NUMBER OF LUMINAIRES.	
□	POST TOP OR BOLLARD LIGHT FIXTURE	
□	CEILING/PENDANT MOUNTED PADDLE FAN	
□	EXIT SIGN, CEILING/WALL MOUNTED. PROVIDE ARROWS AS INDICATED ON DRAWINGS	
□	EMERGENCY LIGHTING FIXTURE	
□	PANELBOARD - WALL MOUNTED (RECESSED)	
□	PANELBOARD - WALL MOUNTED (SURFACE)	
□	MOTOR	
□	NONFUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE	
□	FUSIBLE DISCONNECT SWITCH, RATING/POLES/NEMA ENCLOSURE/FUSE RATING	
□	MAGNETIC MOTOR STARTER. NEMA SIZE RATING/ENCLOSURE (NEMA 1 IF NOT SHOWN)	
□	COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT MEANS, NEMA SIZE RATING/ENCLOSURE (NEMA 1 IF NOT SHOWN)	
□	CURRENT TRANSFORMER CABINET	
□	POWER METER AND SOCKET	
□	TELEPHONE OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTES L-1, L-2)/FLOOR MOUNTED	18"/43"
□	COMBINATION TELEPHONE/DATA OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L-1, L-2)/FLOOR	18"/43"
□	DATA OUTLET, WALL MOUNTED/ABOVE COUNTER (NOTE L-1, L-2)/FLOOR MOUNTED	18"/43"
□	TELEVISION OUTLET WALL MOUNTED (NOTE L-1)/CEILING MOUNTED/FLOOR MOUNTED	18"
□	TELEPHONE BACKBOARD (L-3)	
□	CCTV CAMERA (BY OTHERS) (L-4)	

LEGEND NOTES

L-1 MOUNTING HEIGHTS NOTED ARE TO THE CENTER OF DEVICE ABOVE FINISHED FLOOR, UNLESS NOTED OTHERWISE.

L-2 STUB 3/4" CONDUIT 6" ABOVE ACCESSIBLE CEILING AND TERMINATE WITH NYLON GROMMET.

L-3 PROVIDE FIRE TREATED 3/4" PLYWOOD BACKBOARD (4'x8') WITH #6 CU GROUND TO BUILDING STEEL. PROVIDE GROUND BUS.

L-4 CCTV CAMERAS ARE SHOWN FOR INFORMATION ONLY.

ELECTRICAL ABBREVIATIONS

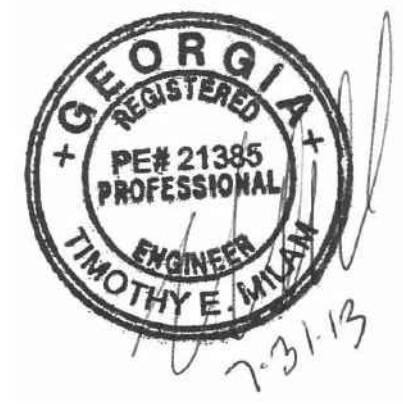
A	..... AMPERE	MCB	..... MAIN CIRCUIT BREAKER
AFCI	..... ARC FAULT CIRCUIT INTERRUPTER	MLO	..... MAIN LUGS ONLY
AFF	..... ABOVE FINISHED FLOOR	NTS	..... NOT TO SCALE
AIC	..... AMPERE INTERRUPTING CAPACITY	MH	..... MOUNTING HEIGHT
AWG	..... AMERICAN WIRE GAUGE	ST	..... SHUNT TRIP
BC	..... BELOW CEILING	TC	..... TIME CLOCK
BKR	..... BREAKER	TV	..... TELEVISION
CKT	..... CIRCUIT	TVSS	..... TRANSIENT VOLTAGE SURGE SUPP.
FACP	..... FIRE ALARM CONTROL PANEL	UL	..... UNDERWRITER LABORATORIES
GF1	..... GROUND FAULT INTERRUPTER	UNO	..... UNLESS NOTED OTHERWISE
G OR GND	..... GROUND	V	..... VOLTS
HP HORSE POWER	W WATTS
JB JUNCTION BOX	WP WEATHERPROOF
KMIL THOUSAND CIRCULAR MILS	Y WYE



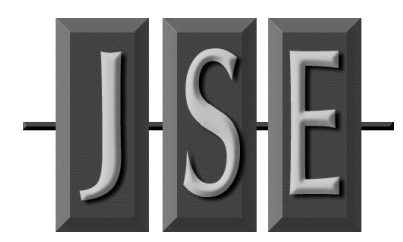
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PRINT RECORD

NUMBER	DATE	DESCRIPTION
06/20/2013		PROGRESS REVIEW
07/08/2013		75% REVIEW
07/10/2013		ISSUED FOR EQUIPMENT
08/15/2013		ADDENDUM NO. 2

PROJECT INFORMATION

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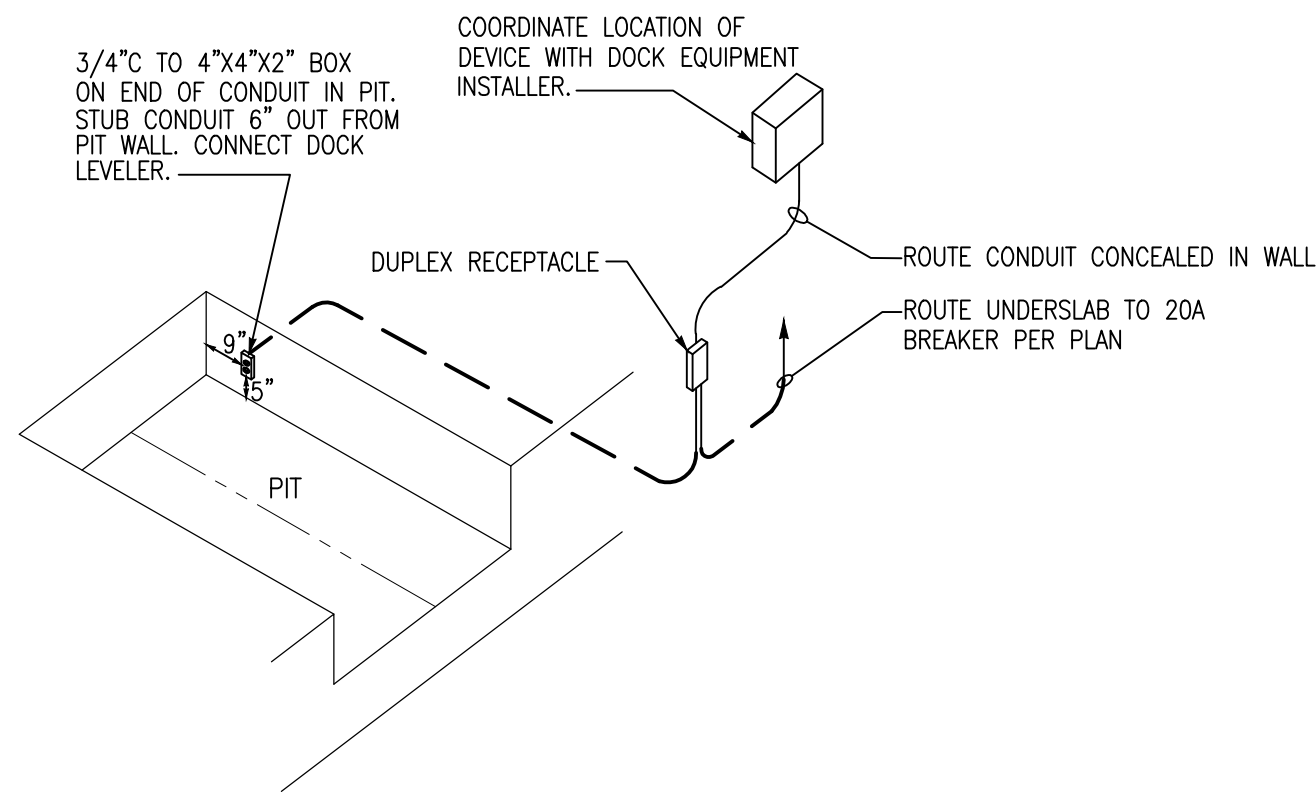
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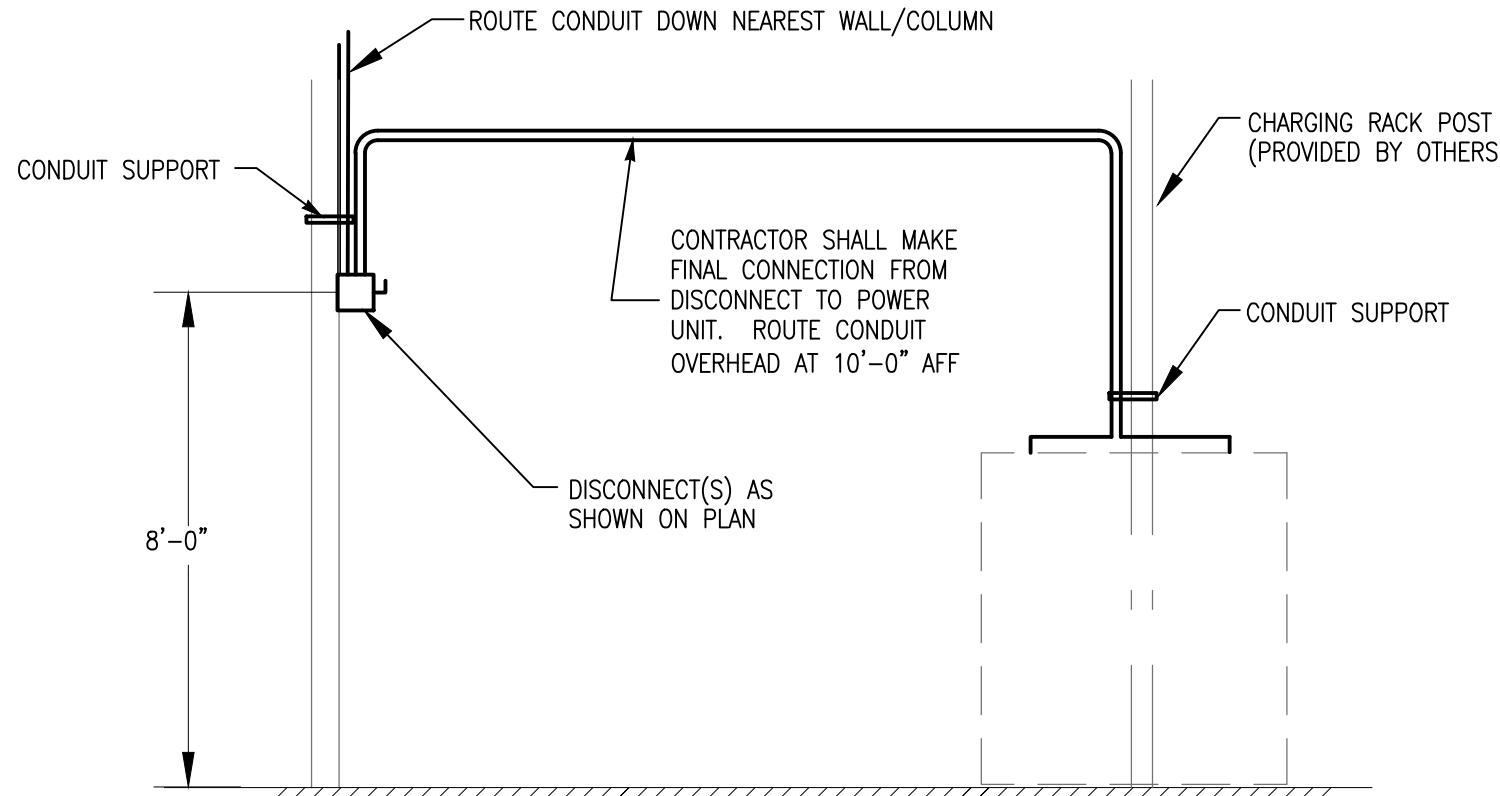
DATE	PROJECT NO.
07/31/2013	2013-018

SHEET TITLE

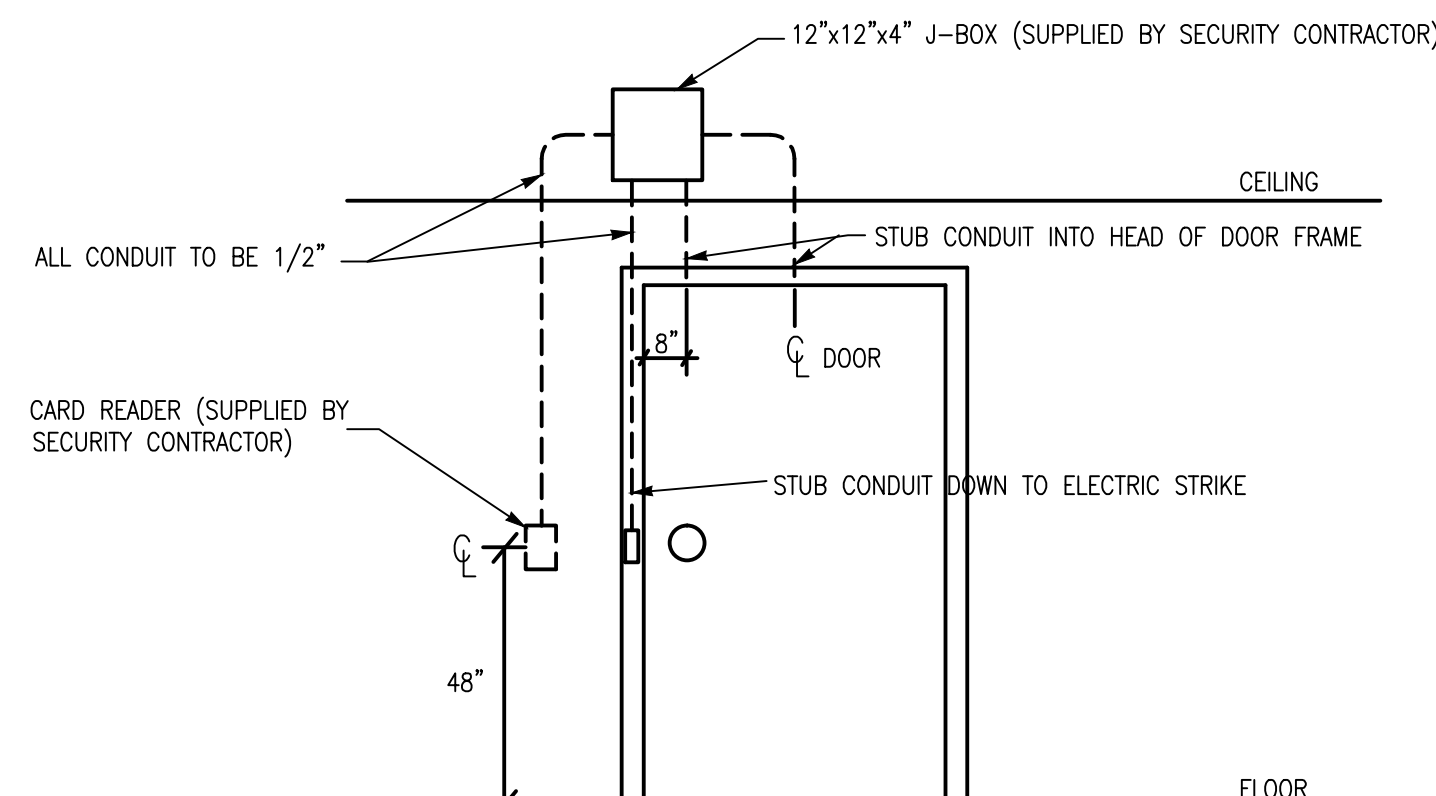
ELECTRICAL LEGEND, NOTES AND SCHEDULES



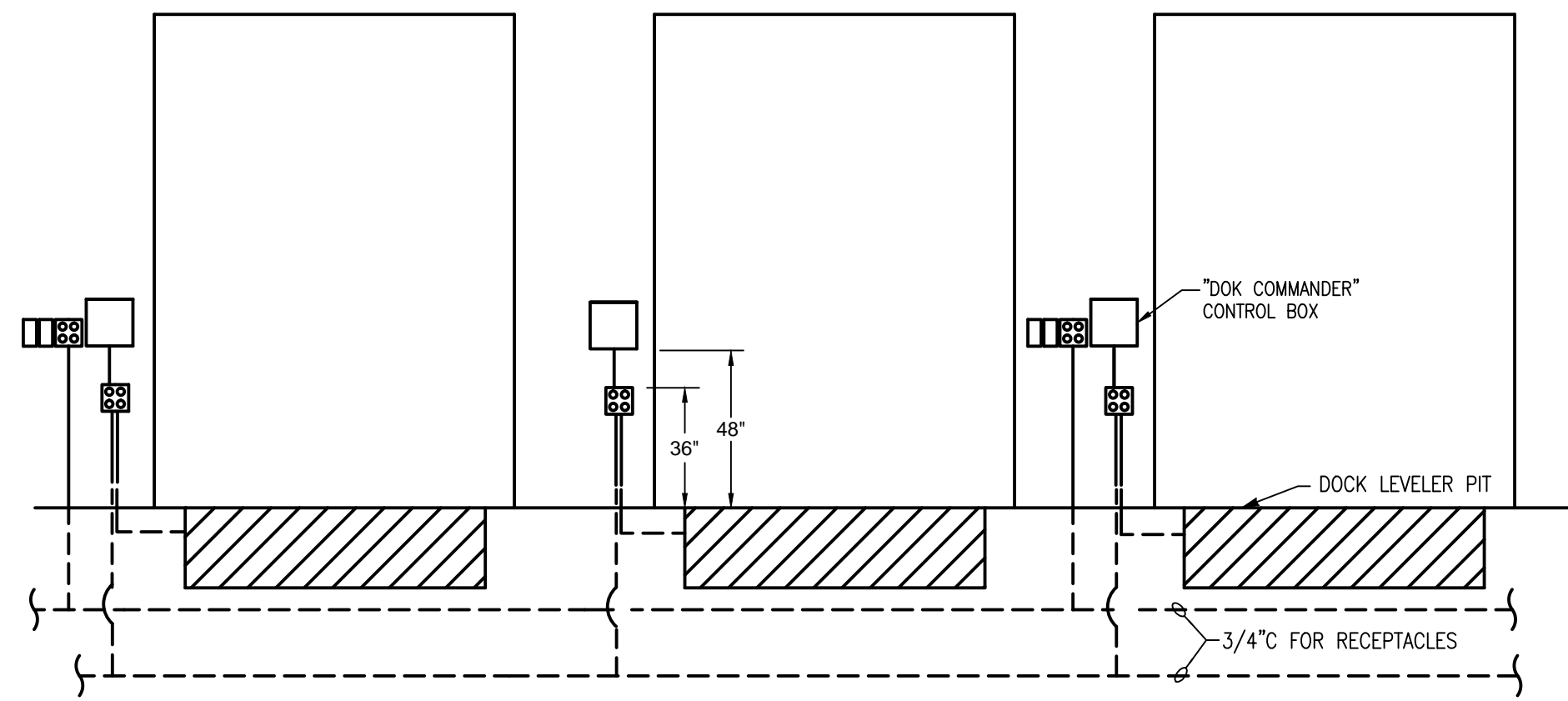
1 DOCKLEVELER PIT DETAIL
E-002 SCALE: NONE



2 BATTERY CHARGING SYSTEM ELEVATION
E-002 SCALE: NONE

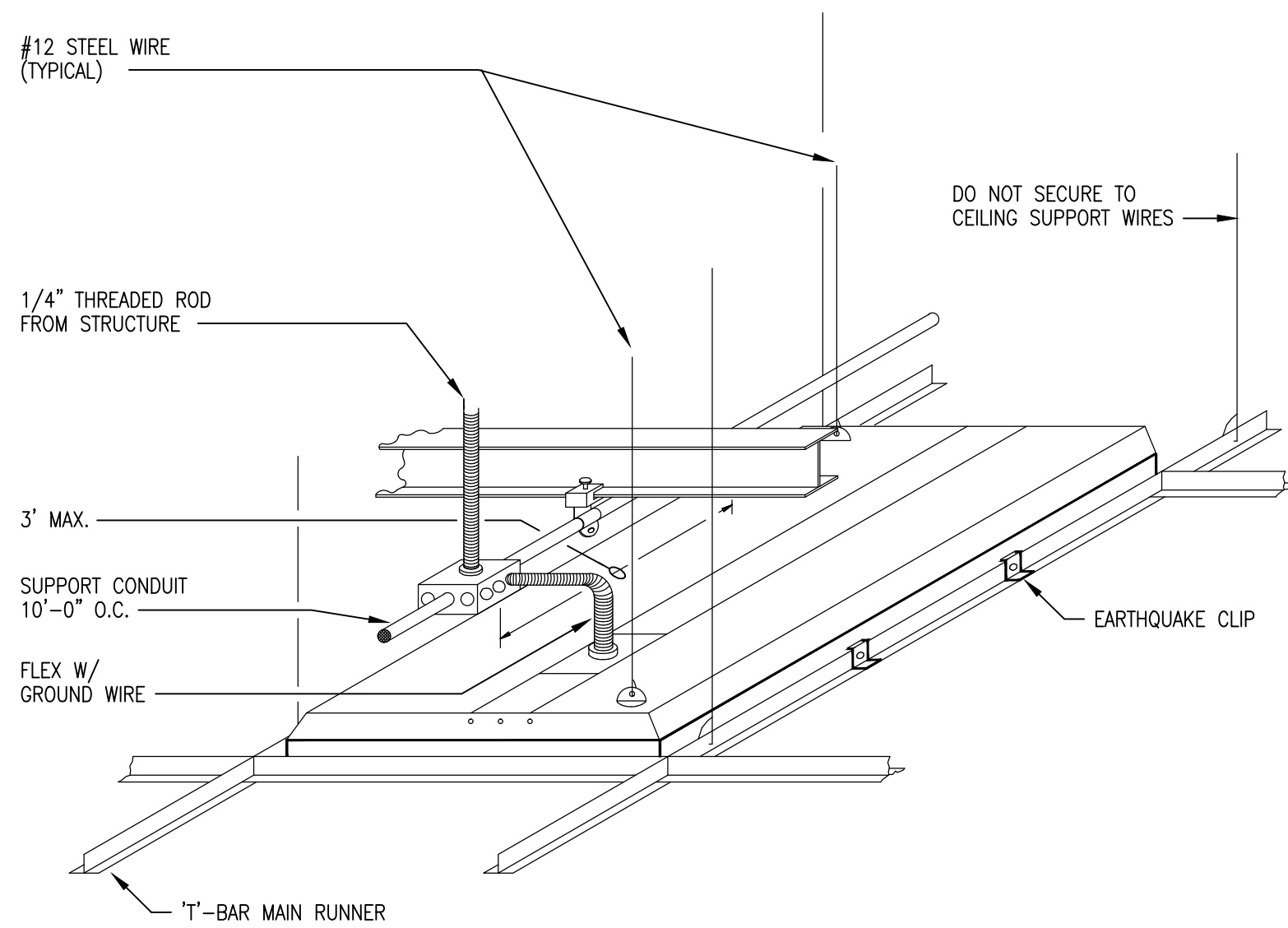


3 TYP. CARD READER DETAIL - OFFICE
E-002 SCALE: NONE

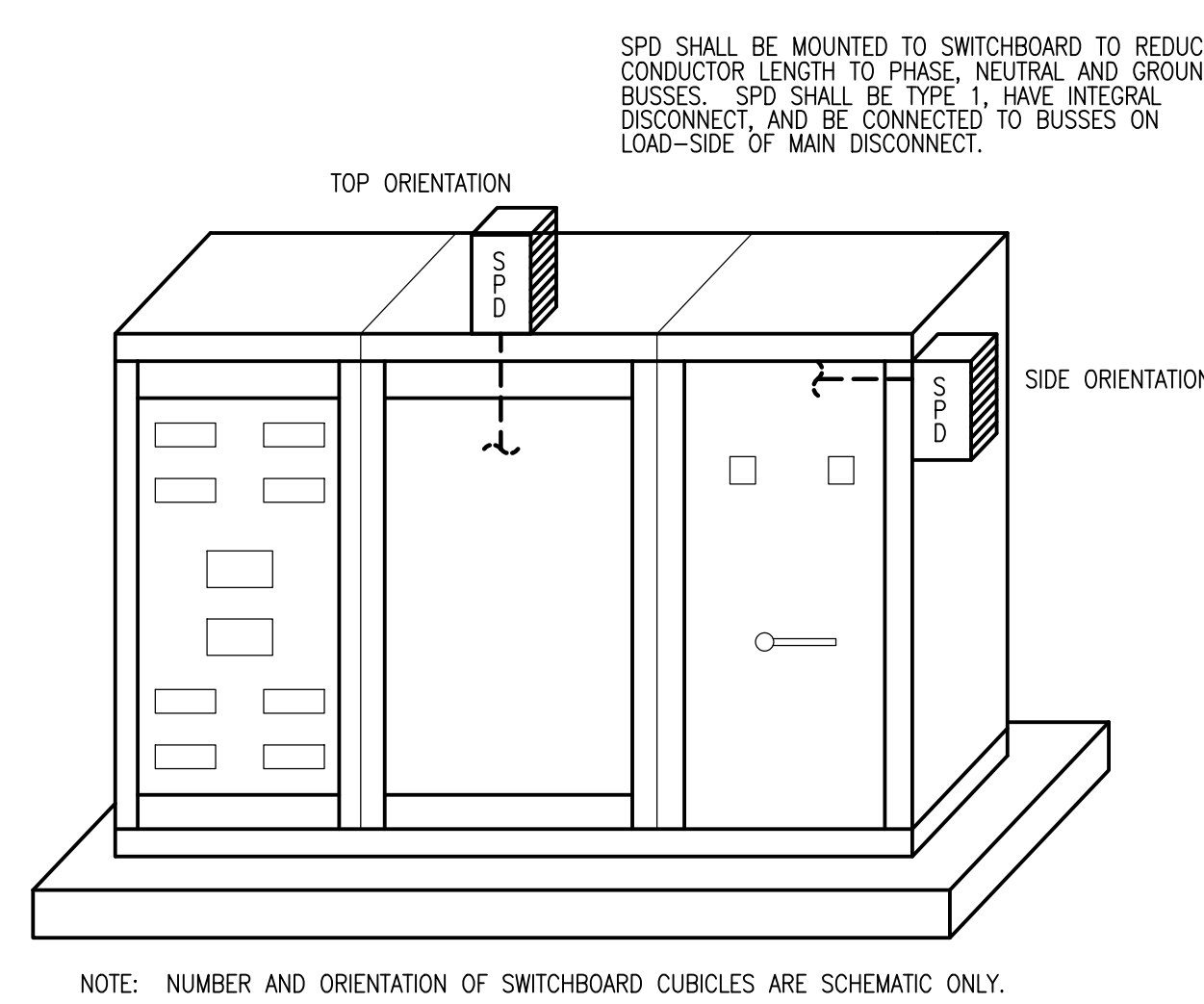


4 DOCK LEVELER DETAIL
E-002 SCALE: NONE

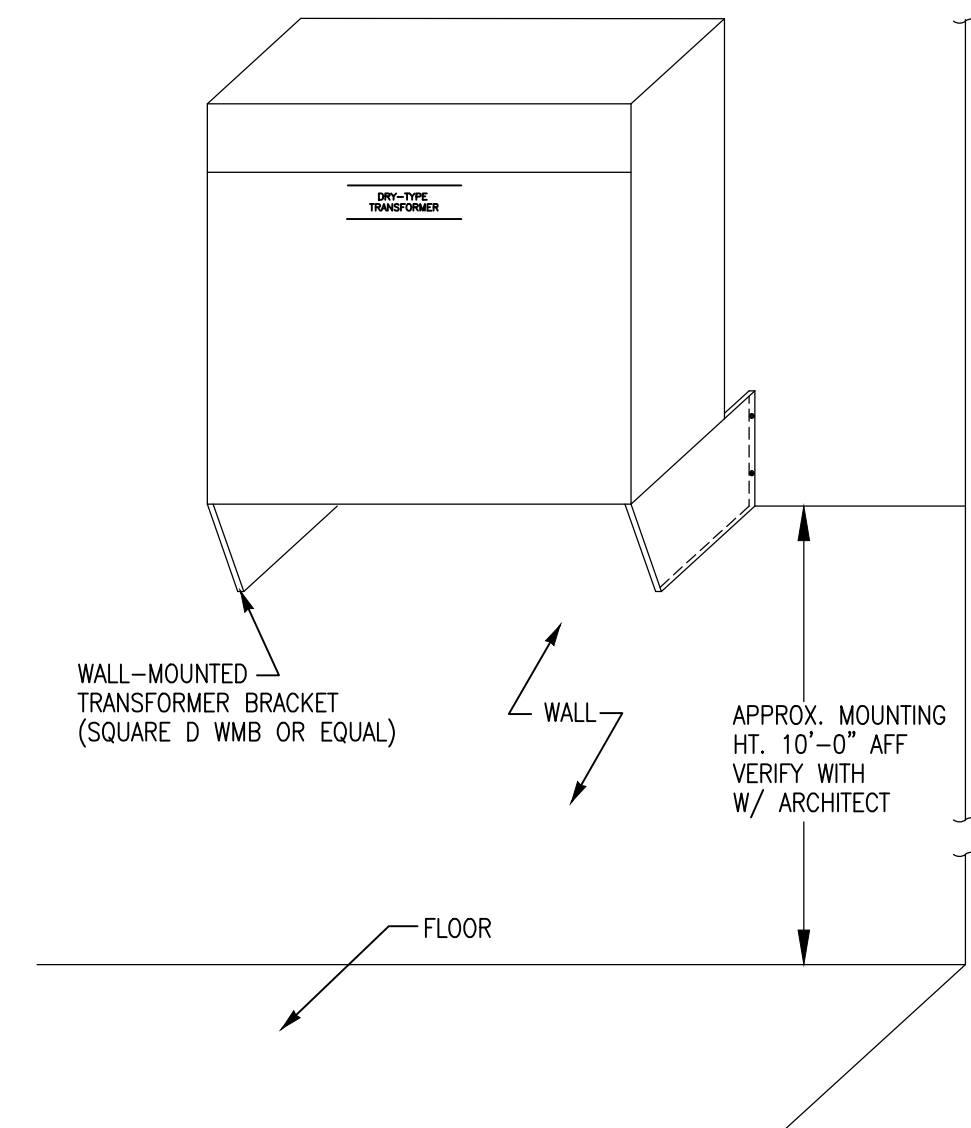
NOTES:
1. ALL EXPOSED CONDUIT SHALL BE GALVANIZED RIGID STEEL.
2. ONE PAIR OF DOORS SHALL SHARE ONE DOUBLE DUPLEX RECEPTACLE FOR WORKSTATION.



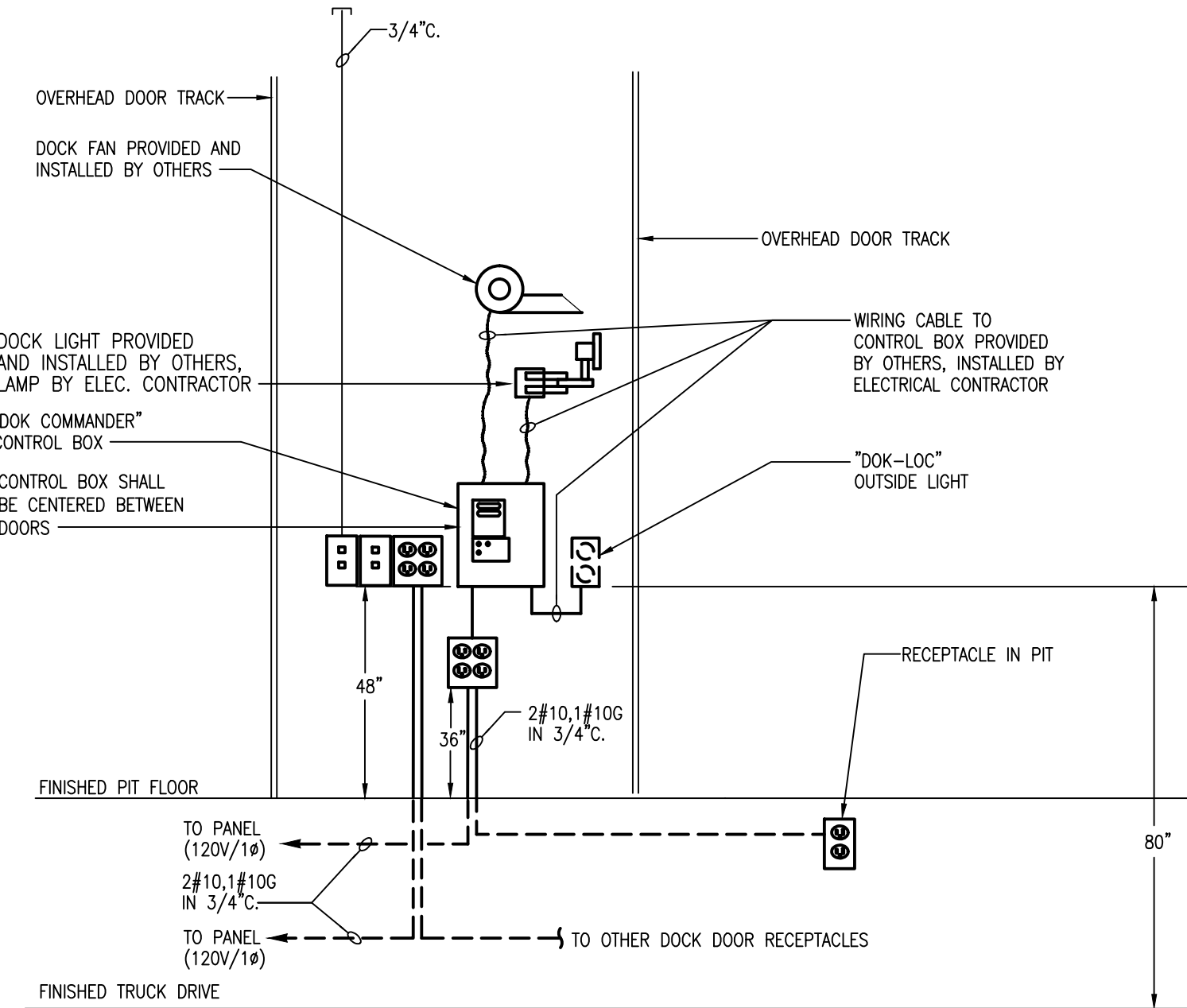
5 LAY-IN FLUORESCENT FIXTURE SUPPORT WITH #12 STEEL WIRE
E-002 SCALE: NONE



6 SPD MOUNTED TO SWITCHBOARD
E-002 SCALE: NONE

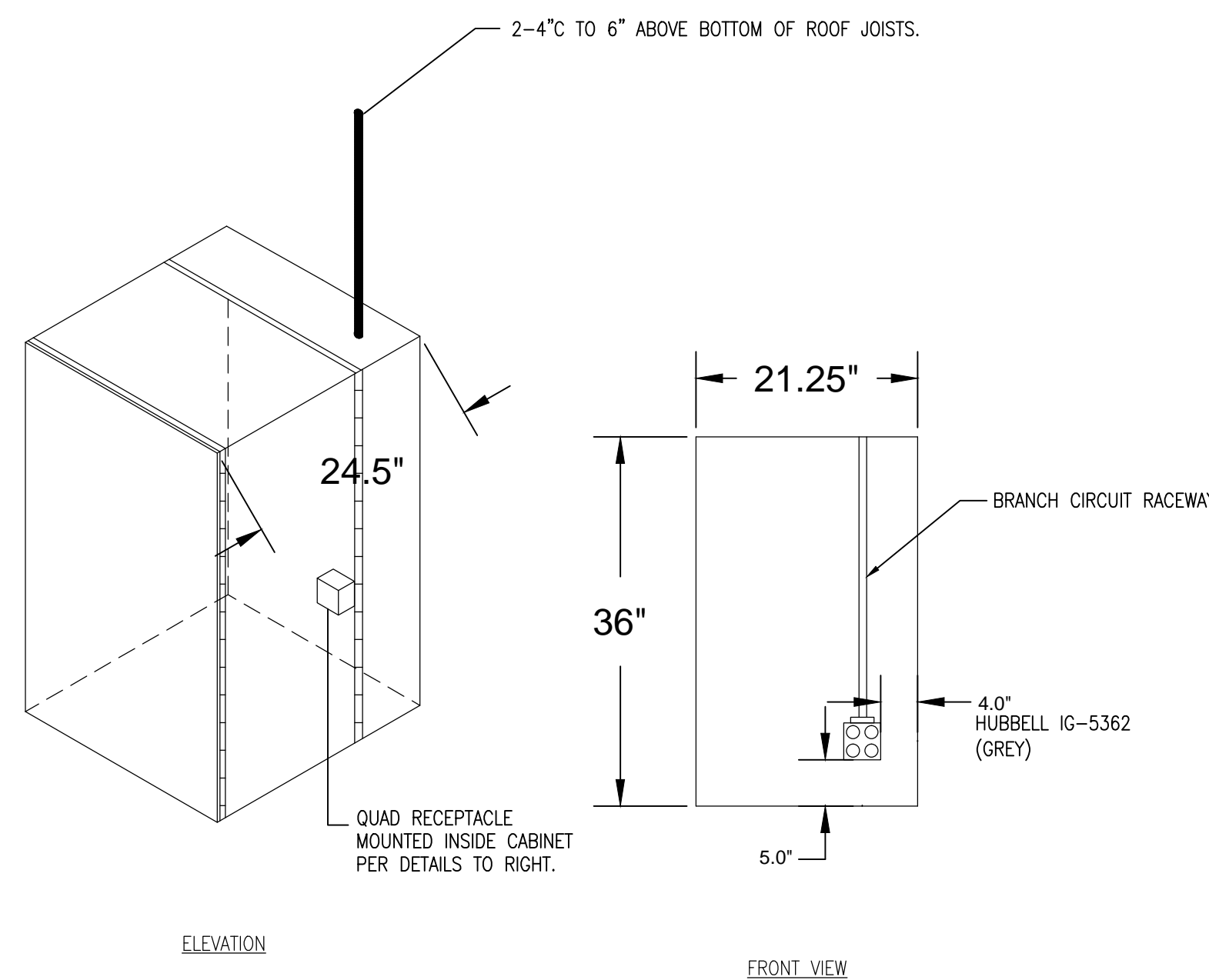


7 WALL-MOUNTED TRANSFORMER INSTALLATION
E-002 SCALE: NONE



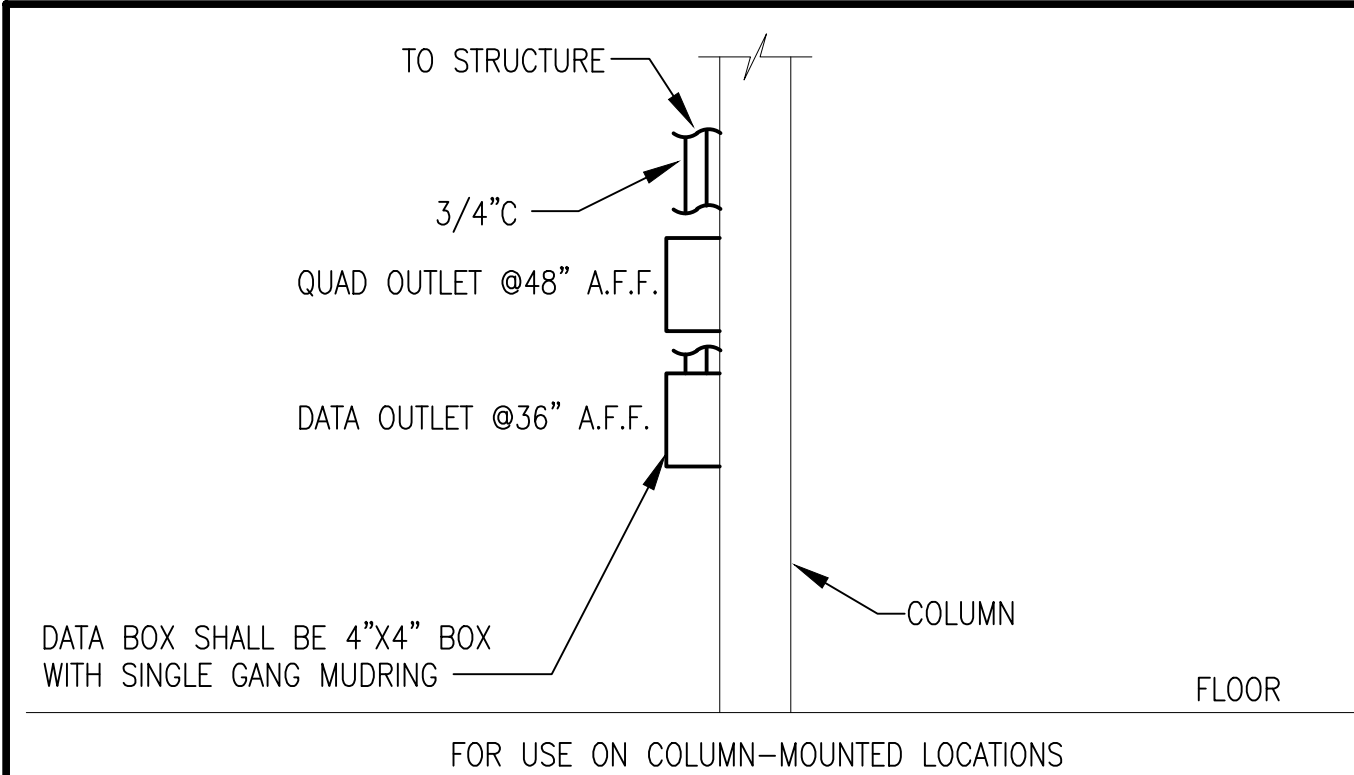
8 TYPICAL DOCK DOOR ELEVATION
E-002 SCALE: NONE

NOTES:
1. COORDINATE ALL POWER AND CONTROL WIRING WITH INSTALLATION INSTRUCTIONS PRIOR TO BEGINNING WORK.
2. COORDINATE ALL DIMENSIONS WITH ARCHITECT AND EQUIPMENT INSTALLERS PRIOR TO BEGINNING WORK.
3. DETAIL MAY NOT REFLECT EXACT SYSTEM CONFIGURATION. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE PROVIDING ALL REQUIRED CONDUIT AND WIRING FOR COMPLETE SYSTEM. COORDINATE FINAL REQUIREMENTS WITH EQUIPMENT SUPPLIER AND SYSTEM SPECIFIC WIRING DIAGRAMS.
4. ALL COMPONENTS MUST BE PROPERLY GROUNDED PER NEC 250-81(g) & (c). INCLUDE GROUNDING BUSHING ON ALL CONDUITS ENTERING NON-METALLIC ENCLOSURES WITH #8 GROUNDING BUSHINGS WHEN MULTIPLE CONDUITS ENTER ENCLOSURE.

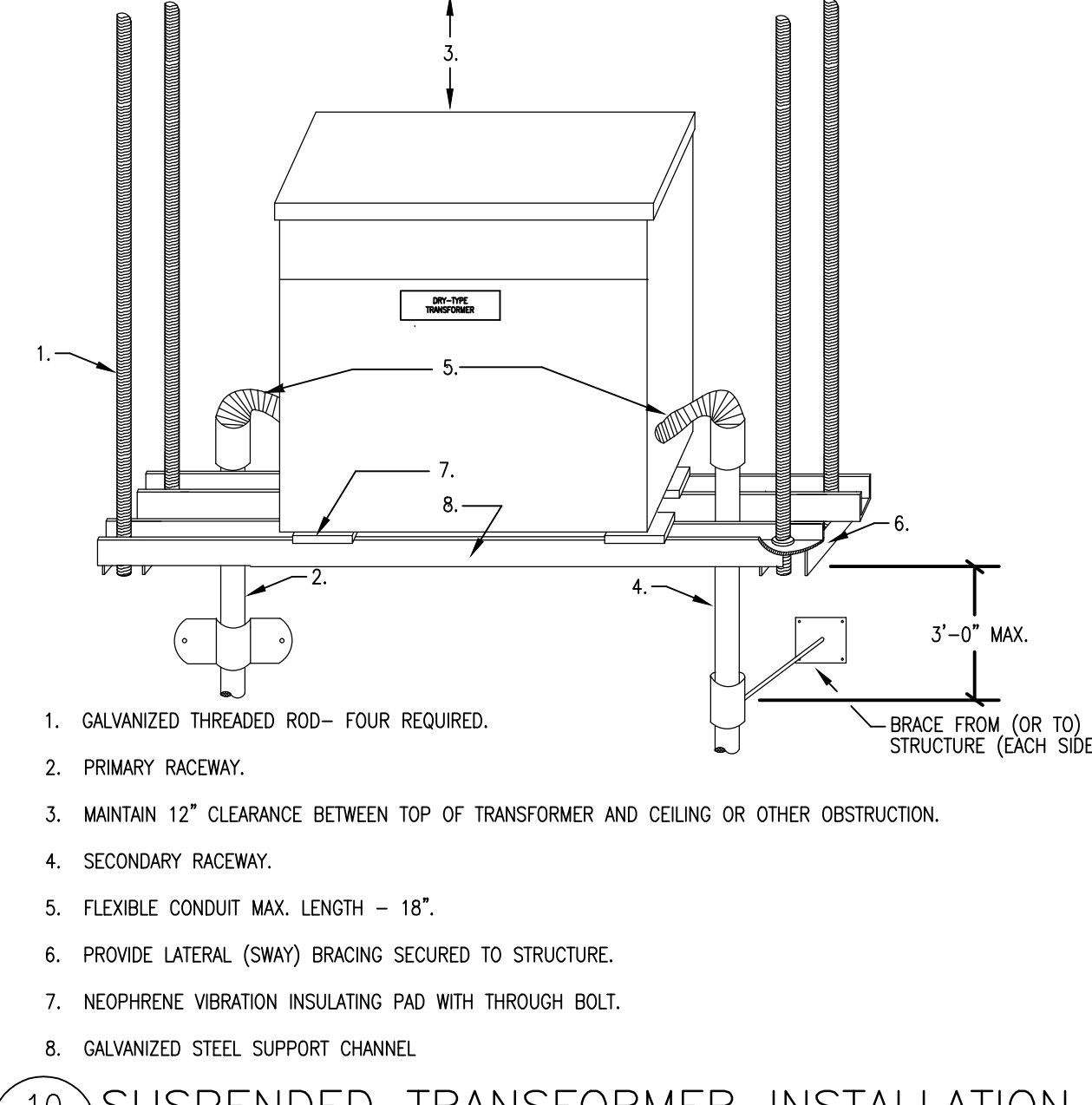


9 IDF CABINET DETAILS
E-002 SCALE: NONE

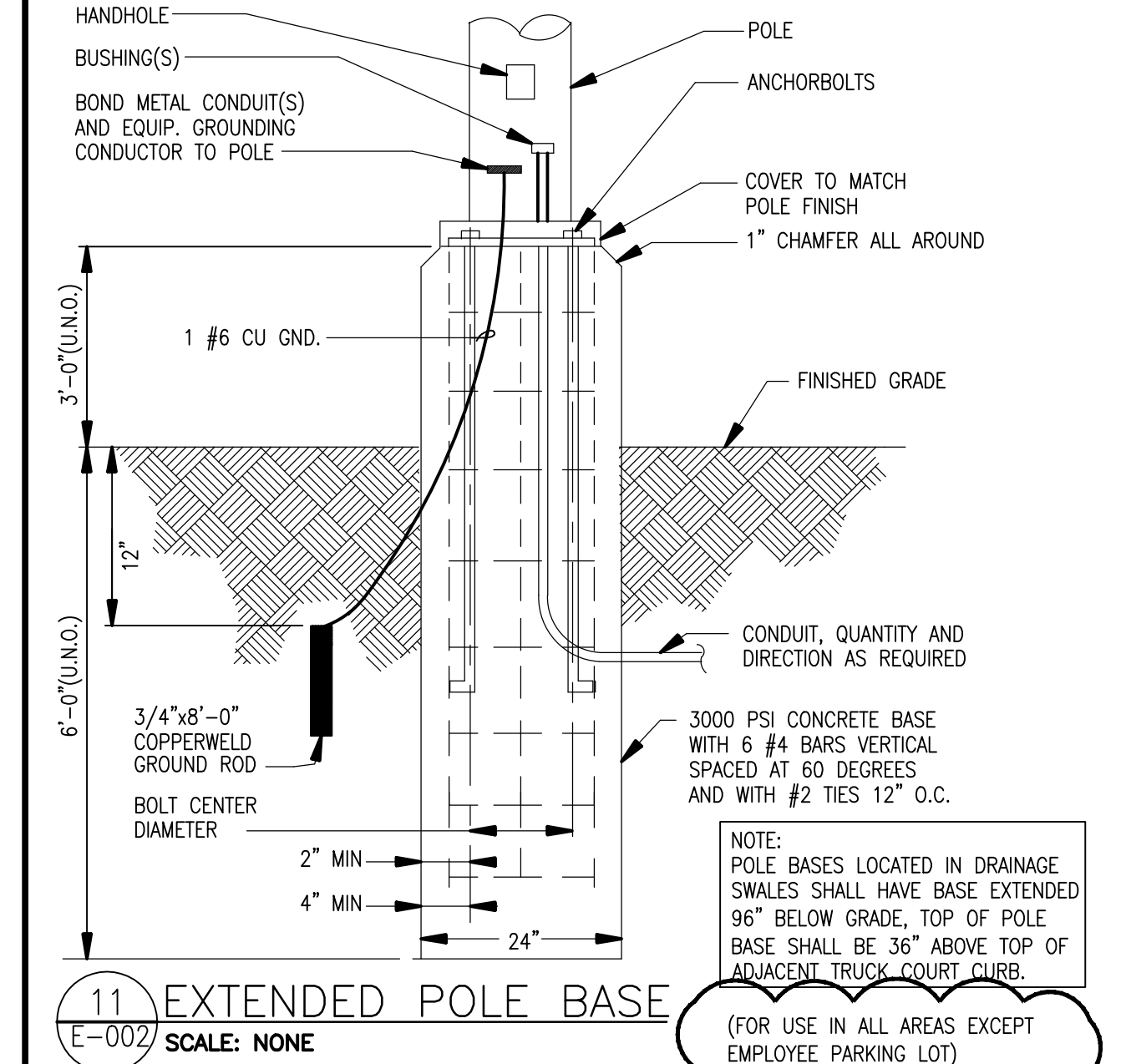
NOTES:
1. IDF CABINET PROVIDED BY OWNER. COORDINATE EXACT SIZE.



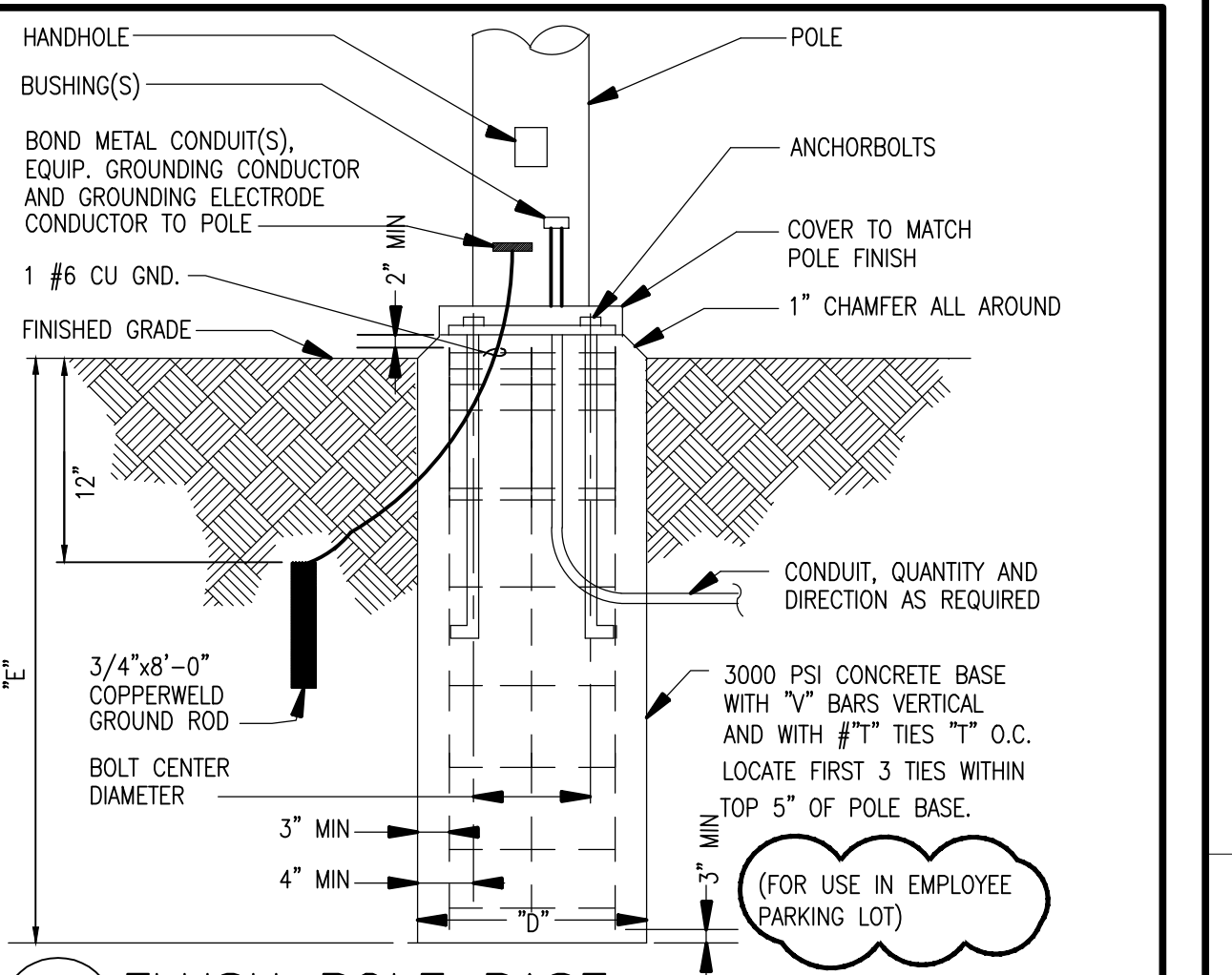
12 WORKSTATION ELEVATION IN WAREHOUSE
E-002 SCALE: NONE



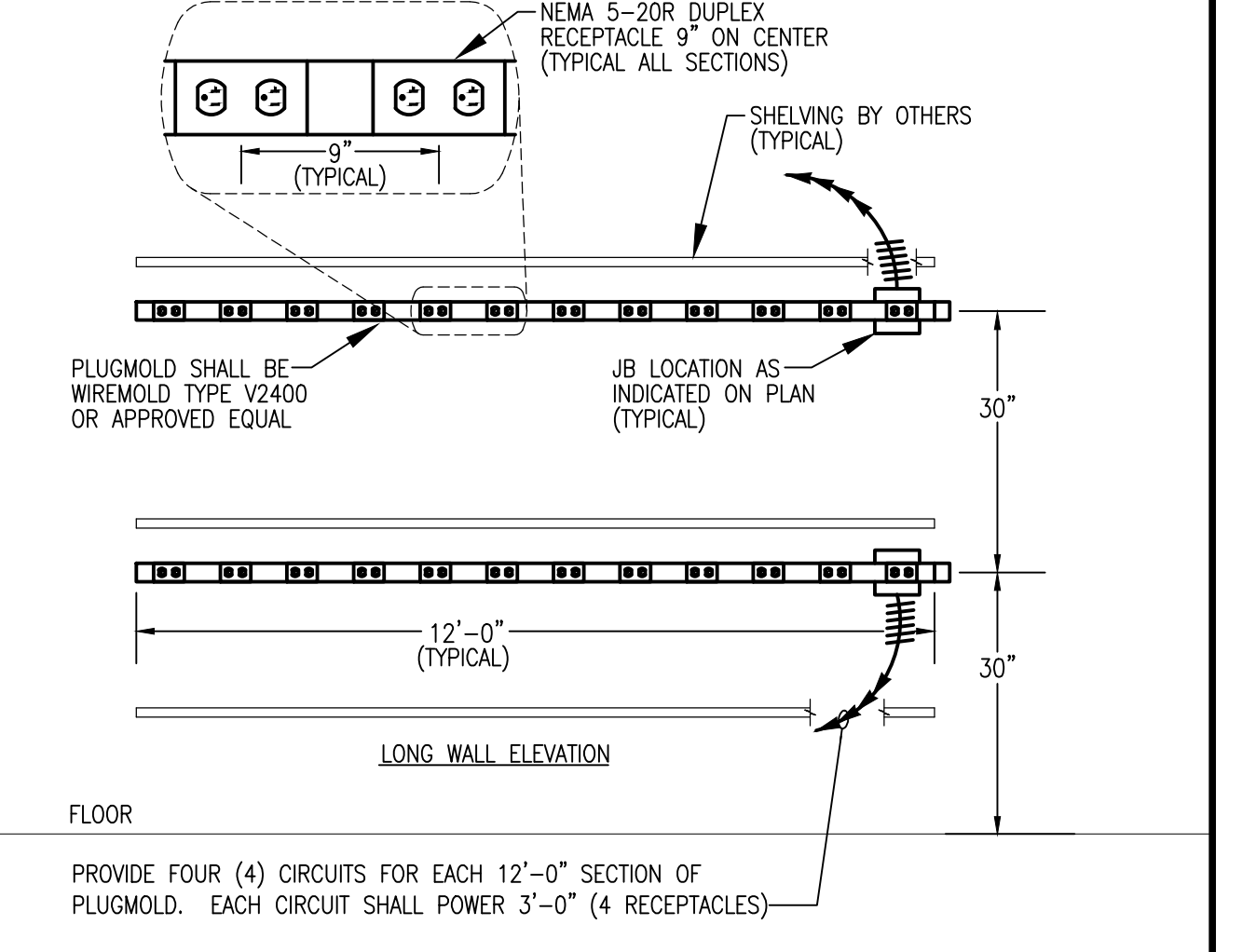
10 SUSPENDED TRANSFORMER INSTALLATION
E-002 SCALE: NONE



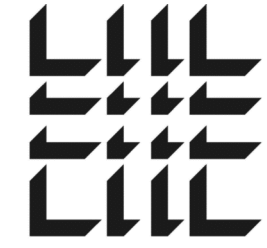
11 EXTENDED POLE BASE
E-002 SCALE: NONE



13 FLUSH POLE BASE
E-002 SCALE: NONE



14 RF SCANNER PLUGMOLD DETAIL
E-002 SCALE: NONE



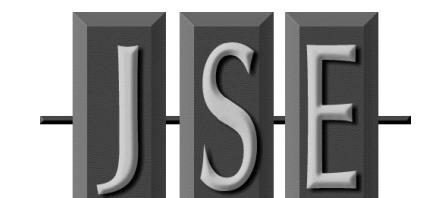
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PRINT RECORD

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04/20/2013	04/20/2013	PROGRESS REVIEW
07/02/2013	07/02/2013	75% REVIEW
07/12/2013	07/12/2013	ISSUED FOR ADJUTMENT
08/15/2013	08/15/2013	ADDENDUM NO. 2

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DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE

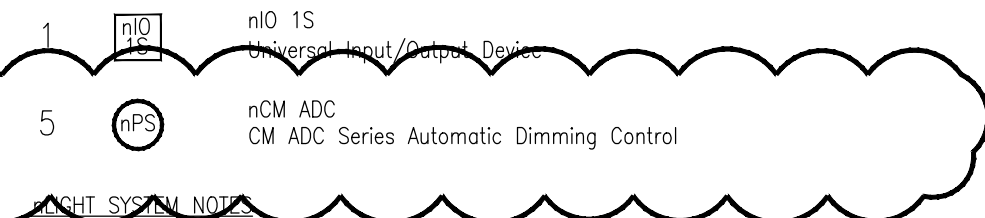
ELECTRICAL
LEGEND,
NOTES
AND
SCHEDULES

SHEET NUMBER

E-002

FOR CONSTRUCTION

45		BRIDGE PORT CONNECTION POINTS
9		nBRG 8 KIT Bridge-8 Port with 150 mA power supply
1		nGW2 L400 KIT nGateway2 KIT consists of a nGW2 CTRL L400 Unit, a nGateway2 GFX, two PS 150 (150 mA power supply), Sensorview Software MAX Devices 400
11		rPDM [COLOR] 1 Channel On/Off Toggle
2		rPDM 2P [COLOR] 2 Channel On/Off Toggle
4		rPDD GFX Grafix WallPod, required power supply PS 150 included
6		rWSD [COLOR] Wall Switch Decorator Sensor - Passive Infrared (PIR)
26		rWSX PDT LV [COLOR] Wall Switch Decorator Sensor, Dual Technology (PDT), Low Voltage
3		rCM 5 Standard Range 360° Sensor-Ceiling Mount, Low Voltage, Passive Infrared (PIR)
12		rCM 10 Extended Range 360° Sensor-Ceiling Mount, Low Voltage, Passive Infrared (PIR)
29		rCM PDT 9 Standard Range 360° Sensor, Ceiling Mount, Low Voltage, Dual Technology (PDT)
4		rWV PDT 16 Wide View Sensor-Corner Mount, Low Voltage, Dual Technology (PDT)
4		rWV BR rLight Ceiling Mount Bracket
43		rPP16 Power Pack: 120/277 VAC
4		rPPS D KO Embedded Power/Relay Pack, Dimming Control, Chase Nipple Mounting
16		rPP16 ER Power Pack: 16A 120/277 VAC UL-924 Emergency Relay Pack
28		rNLT rLIGHT ENABLED FIXTURE SUPPLIED BY OTHERS (USED FOR DEVICE COUNTING ONLY)



Common Terminology

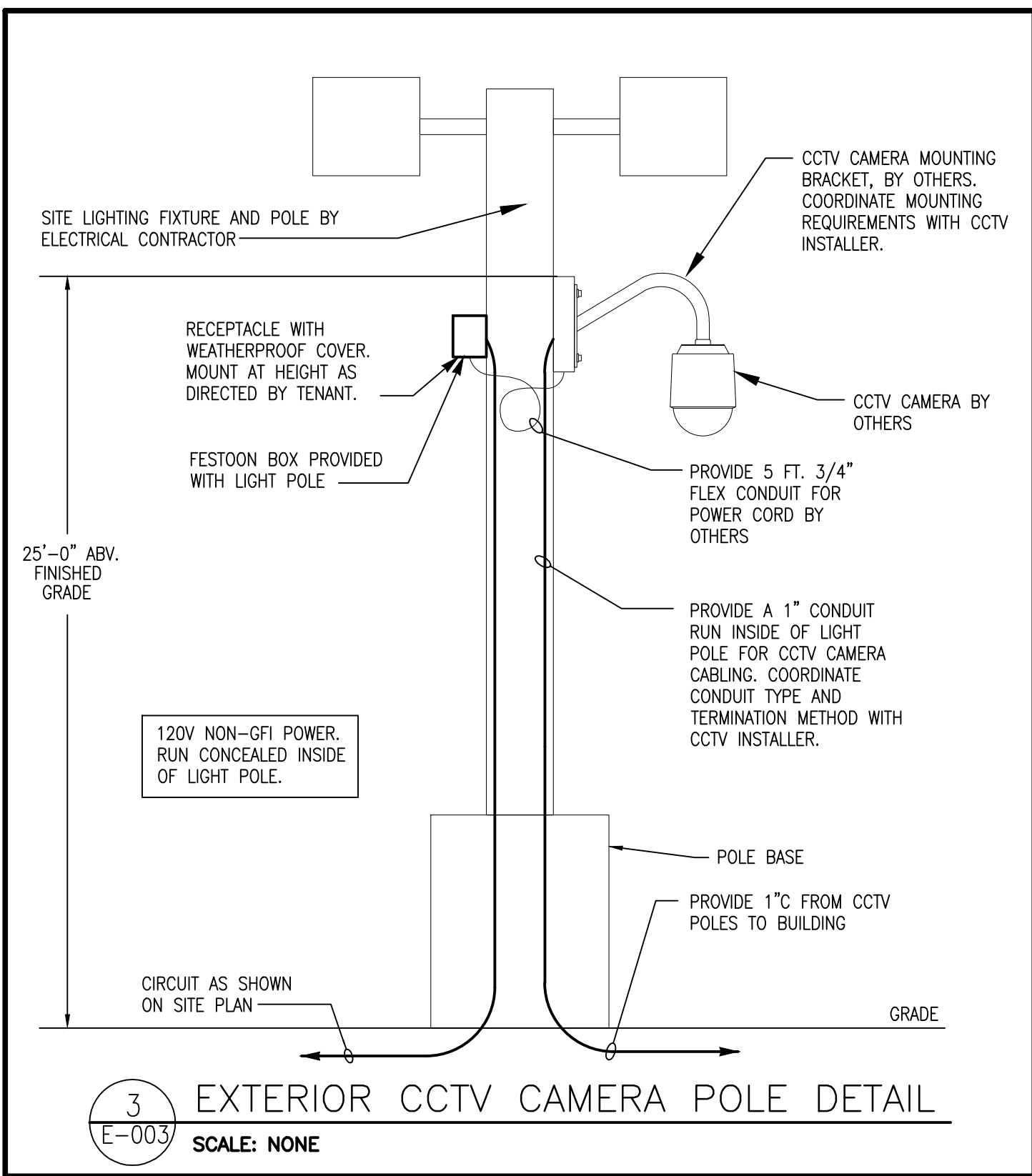
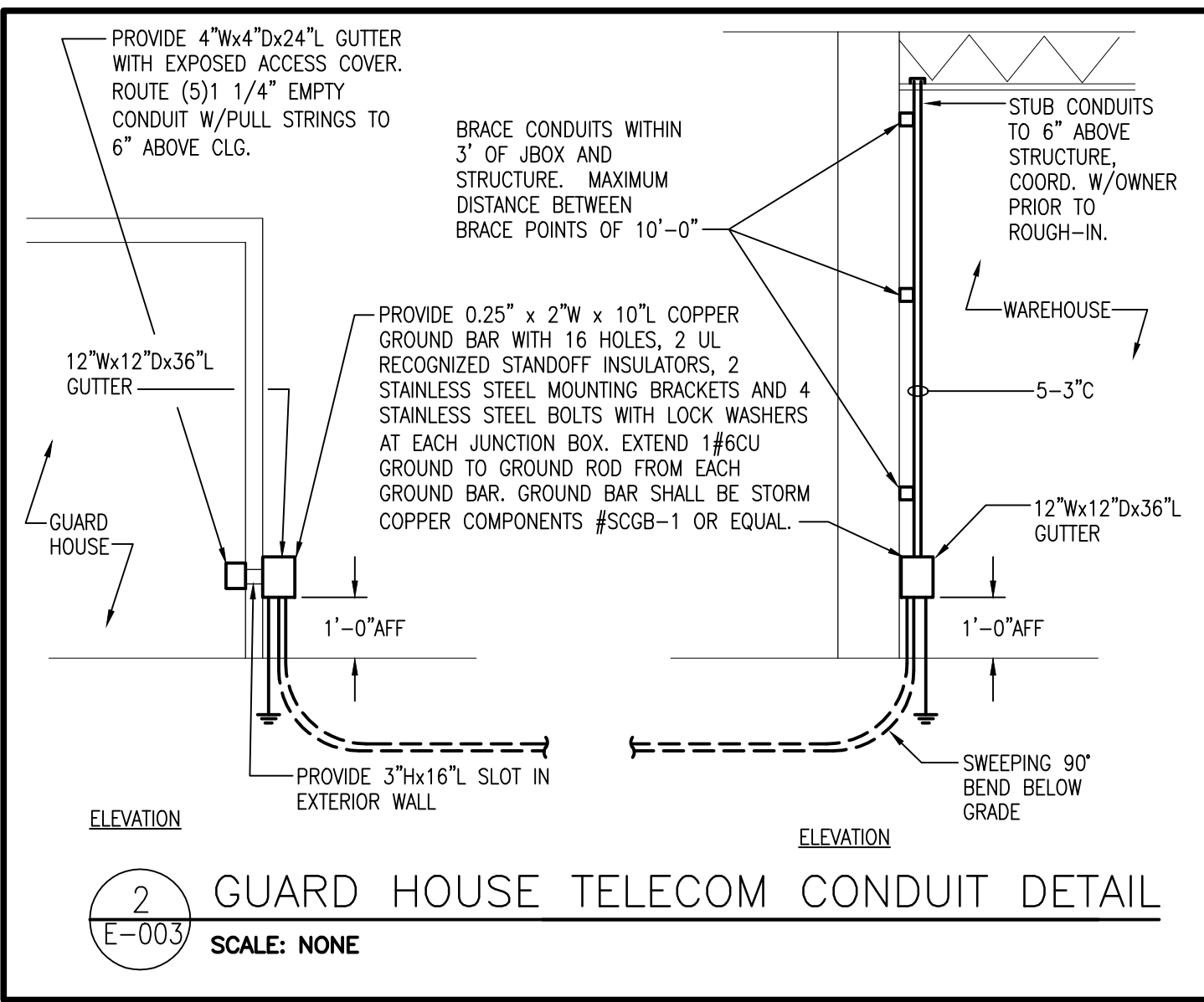
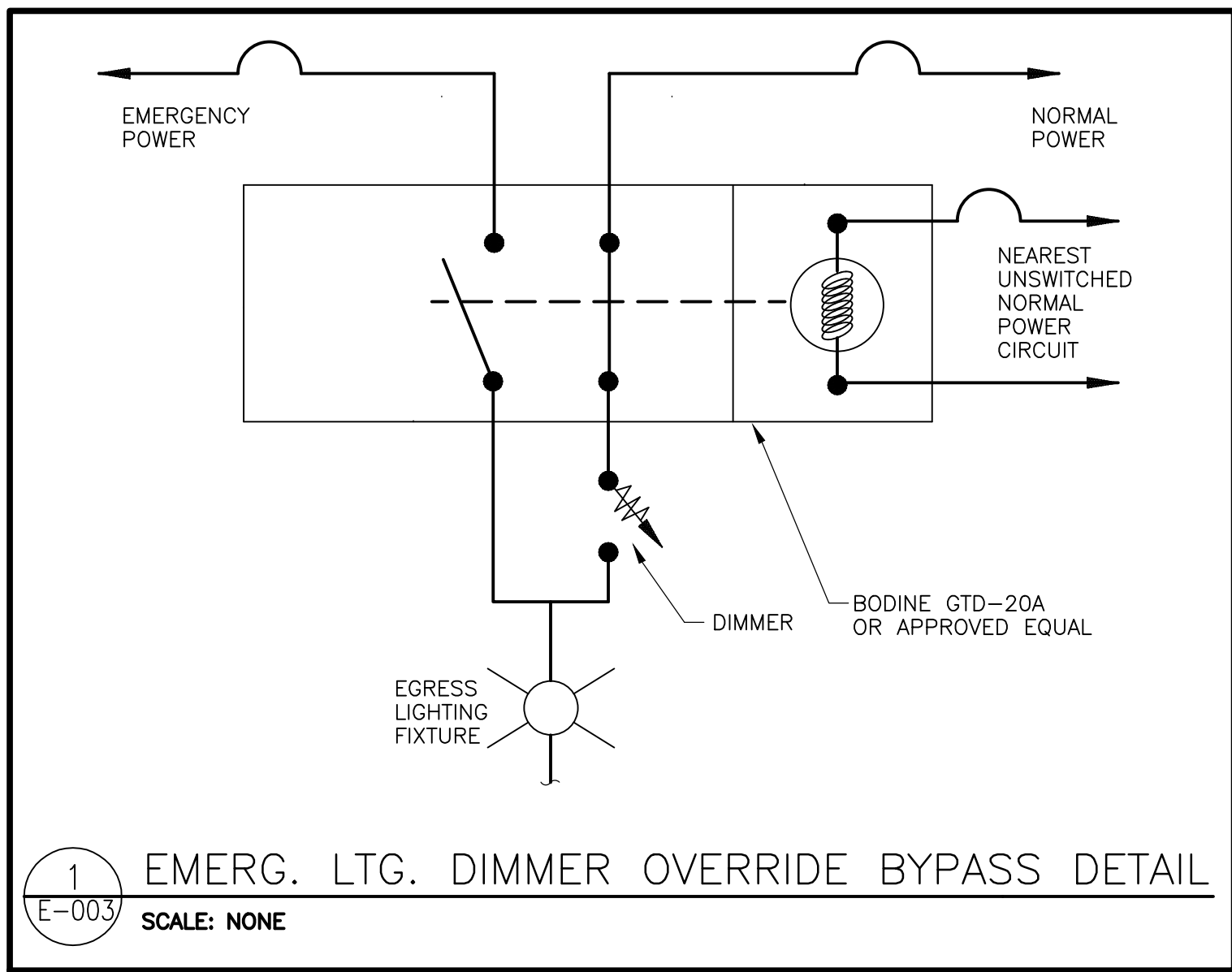
- Zone:** A group of devices in a room or area that are daisy-chained wired together with CAT-5(e) cabling and function together to control that particular space's lighting. Devices can be wired in any order. Power for devices and communication may be supplied locally from power/relay packs (rPP-16) and/or power supplies (rPS-150).
- Backbone:** The communication network consisting of Bridges (rBRG-4), Transceivers (rTWR-250), and a single Gateway (rGW) which interconnects rLight zones to the SensorView software (required for remote programming/status). Bridge and Transceiver devices also supply power for zones without local power/relay packs or power supplies.
- Bridge (rBRG-4):** A device used to hub several zones together. Bridges interconnect using with either CAT-5(e) with other Bridges, or a Gateway (rGW) to form a network backbone. Bridges also supply power to downstream zones that do not generate local power.
- Gateway (rGW):** The device in an rLight network that connects to the building's Ethernet (and eventually the computer running the SensorView software). One Gateway is needed per 400 devices. Requires an Ethernet drop.
- WallPods:** A term for any rLight toggle switch, dimmer switch, or scene controller. All WallPods have model numbers that start with "rPDD".

Design Notes

- One relay is needed per circuit to be controlled and can reside within sensors, WallPods, or Relay Packs. Power Pack placement on drawings is for counting only. Final placement is up to discretion of contractor.
- Bridges and sensors on drawings were placed with information provided at time of design. Additional Bridges and/or sensors may be required depending on building changes, final partition height/placement, furniture placement, equipment height/placement and showing height/placement.
- Final placement of the Bridge(s) and Gateway(s) devices shall be at the contractor/engineer discretion.
- All devices have RJ-45 Female ports. Making CAT-5(e) cables with T568B Male terminations is required. It is imperative that all CAT-5 cables be tested with a LAN Cable Tester to verify proper terminations.
- Sensors in electrical/mechanical locations need to be verified with authority having jurisdiction (NEC 110.26.D) "illumination. Illumination shall be provided for all working space about service equipment, switchboards, panel boards, or motor control centers installed indoors. Additional light outlets shall not be required where the work space is illuminated by an adjacent light source or a permitted by 201.70(A)(1). Exception No. 1, for switched receptacles. In electrical equipment rooms the illumination shall not be controlled by automatic means only."
- For more information regarding the rLight system or installation, go to www.sensorswitch.com/rLight/docs.

SENSOR FEATURE OPTIONS		WALL SWITCH/PDD COLOR OPTIONS	
ABBREVIATION	DEFINITION	ABBREVIATION	DEFINITION
ADC	AUTOMATIC DIMMING CONTROL	IV	IVORY
D	MANUAL DIMMING	GY	GREY
DX	MANUAL DIMMING CONTROL	WH	WHITE
DZ	DUAL ZONE	AL	ALMOND
LV	LOW VOLTAGE	SENSOR ACCESSORIES	
LT	LOW TEMP	NAME	DEFINITION
NL	NIGHT LIGHT	WV BR	WIDE VIEW CEILING MOUNTING BRACKET
P	PHOTOCELL	FB1	DEEP FIXTURE BRACKET
PDT	PASSIVE DUAL TECHNOLOGY	FB2	DEEP FIXTURE BRACKET WITH HARDWARE
RF	RADIO FREQUENCY		
V	VANDAL RESISTANT		
2P	2 POLE		
347	347 VOLT		
4	4 PORT		
8	8 PORT		
480	480 VOLT		

OCCUPANCY SENSOR SCHEDULE							
DESCRIPTION	SYMBOL	WATTSTOPPER MODEL NUMBER	UNOBSTRUCTED RATED COVERAGE	MOUNTING	WATTAGE/VOLTAGE	TIME DELAY	NOTES
PASSIVE INFRARED SWITCH		PW-100	300 SF	WALL	800W/120V 1200W/277V	30 MIN.	
PASSIVE INFRARED AREA SENSOR		CI-200	1200 SF	CEILING	24VDC	30 MIN.	1
ULTRASONIC AREA SENSOR		UT-355-1	500 SF	CEILING	800W/120V 1200W/277V	30 MIN.	
NOTES: 1. SENSOR REQUIRES POWER PACK (INSTALL IN ACCESSIBLE LOCATION) 2. SWIVEL MOUNTING BRACKET INCLUDED.							
APPROVED ALTERNATES*: COOPER CONTROLS, PASS & SEYMOUR, LEVITON * ALTERNATE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS INCLUDING SCALED FLOOR PLANS OF DEVICE LOCATIONS AND CUT SHEETS OF DEVICES.							



MECHANICAL EQUIPMENT CONNECTION SCHEDULE								
UNIT TAG	LOAD	UNIT DESCRIPTION	VOLTAGE	PANEL-CIRCUIT(S)	FEEDER SIZE	DISCONNECT FRAME / POLE / ENCLOSURE / FUSE SIZE	MOCP	REMARKS
CRAC-1 (IN)	58.5 A	COMPUTER ROOM A/C INDOOR UNIT	480/3	TKHM-1,3,5	4#4, #8@, 1'C	DIVISION 23	80 / 3	1
CRAC-2 (IN)	58.5 A	COMPUTER ROOM A/C INDOOR UNIT	480/3	TKHM-13,15,17	4#6, #8@, 1'C	DIVISION 23	80 / 3	1
CRAC-3 (IN)	58.5 A	COMPUTER ROOM A/C INDOOR UNIT	480/3	SHAMDF-1,3,5	4#6, #8@, 1'C	DIVISION 23	80 / 3	1
CRAC-4 (IN)	58.5 A	COMPUTER ROOM A/C INDOOR UNIT	480/3	SHAMDF-13,15,17	4#6, #8@, 1'C	DIVISION 23	80 / 3	1
CRAC-1 (OUT)	7.6 A	COMPUTER ROOM A/C OUTDOOR UNIT	480/3	TKHM-7,9,11	4#12, #12@, 1/2'C	DIVISION 23	15 / 3	1
CRAC-2 (OUT)	7.6 A	COMPUTER ROOM A/C OUTDOOR UNIT	480/3	TKHM-13,21,23	4#12, #12@, 1/2'C	DIVISION 23	15 / 3	1
CRAC-3 (OUT)	7.6 A	COMPUTER ROOM A/C OUTDOOR UNIT	480/3	SHAMDF-7,9,11	4#12, #12@, 1/2'C	DIVISION 23	15 / 3	1
CRAC-4 (OUT)	7.6 A	COMPUTER ROOM A/C OUTDOOR UNIT	480/3	SHAMDF-13,21,23	4#12, #12@, 1/2'C	DIVISION 23	15 / 3	1
AC-1	0.3 A	A/C UNIT	208/1		2#12, #12@, 1/2'C	N/A	15 / 2	POWERED FROM CU-1
CU-1	13.0 A	CONDENSING UNIT	208/1	LO1-83,95	2#12, #12@, 1/2'C	30 / 2 / 3R	15 / 2	
EW-HA-1	3.0 KW	WALL HEATER	277/1	HA3M-14	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EW-HA-2	3.0 KW	WALL HEATER	277/1	HB2M-32	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EW-HA-3	3.0 KW	WALL HEATER	277/1	HB3M-32	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EW-HA-4	3.0 KW	WALL HEATER	277/1	HB4M-35	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EW-H	1.5 KW	WALL HEATER	277/1	SEE DRAWINGS	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
LUH-P1	5.0 KW	HEATED AIR CURTAIN	277/1	HA1-28	2#10, #10@, 1/2'C	DIVISION 23	25 / 1	1
EDH-A	5.0 KW	CEILING HEATER	277/1	HA2M-67	2#10, #10@, 1/2'C	DIVISION 23	25 / 1	1
EF-1	0.1 KW	TOILET EXHAUST	120/1		2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1,3
EF-2	0.1 KW	TOILET EXHAUST	120/1		2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1,3
EF-3	0.1 KW	TOILET EXHAUST	120/1		2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1,3
EF-4	0.1 KW	TOILET EXHAUST	120/1		2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1,3
EF-5	1/4 HP	TOILET EXHAUST	120/1	SEE DRAWINGS	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EF-6	1/4 HP	TOILET EXHAUST	120/1	LO1-97	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EF-7	1/4 HP	TOILET EXHAUST	120/1	LO1-99	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EF-8	1/4 HP	TOILET EXHAUST	120/1	LO1-101	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1
EF-9	0.1 KW	TOILET EXHAUST	120/1	LO1-103	2#12, #12@, 1/2'C	DIVISION 23	15 / 1	1,3
EF-P1	3/4 HP	FIRE PUMP VENTILATION	208/1	LA1-30,32	2#12, #12@, 1/2'C	DIVISION 23	15 / 2	1
HWLS-A	2.0 HP	CIRCULATION FAN	480/3	SEE DRAWINGS	4#10, #10@, 3/4'C	30 / 3 / 1	15 / 3	2
HWLS-B	1.0 HP	CIRCULATION FAN	480/3	SEE DRAWINGS	4#10, #10@, 3/4'C	30 / 3 / 1	15 / 3	2
RTU-A	32.0 A	ROOF TOP UNIT	480/3	SEE DRAWINGS	3#8, #10@, 3/4'C	DIVISION 23	40 / 3	1
RTU-B	37.0 A	ROOF TOP UNIT	480/3	SEE DRAWINGS	3#8, #10@, 3/4'C	DIVISION 23	45 / 3	1
RTU-C	50.0 A	ROOF TOP UNIT	480/3	SEE DRAWINGS	3#6, #10@, 1'C	DIVISION 23	60 / 3	1
RTU-1	13.7 A	ROOF TOP UNIT	480/3	HA2M-2,4,5	3#12, #12@, 1/2'C	DIVISION 23	20 / 3	1
RTU-2	13.7 A	ROOF TOP UNIT	480/3	HA2M-8,10,12	3#12, #12@, 1/2'C	DIVISION 23	20 / 3	1
RTU-3	10.1 A	ROOF TOP UNIT	208/1	LO1-85,87	2#12, #12@, 1/2'C	DIVISION 23	15 / 2	1
RTU-4	10.1 A	ROOF TOP UNIT	208/1	LO1-89,91	2#12, #12@, 1/2'C	DIVISION 23	15 / 2	1
RTU-5	18.9 A	ROOF TOP UNIT	480/3	HA2M-14,16,18	3#10, #10@, 1/2'C	DIVISION 23	25 / 3	1
RTU-6	15.2 A	ROOF TOP UNIT	480/3	HA2M-20,22,24	3#12, #12@, 1/2'C	DIVISION 23	20 / 3	1
RTU-7	11.4 A	ROOF TOP UNIT	480/3	HA2M-26,28,30	3#12, #12@, 1/2'C	DIVISION 23	15 / 3	1
RTU-8	13.7 A	ROOF TOP UNIT	480/3	HA2M-32,34,36	3#12, #12@, 1/2'C	DIVISION 23	20 / 3	1
RTU-9	24.9 A	ROOF TOP UNIT	480/3	HA2M-38,40,42	3#10, #10@, 1/2'C	DIVISION 23	30 / 3	1
RTU-10	24.9 A	ROOF TOP UNIT	480/3	HA2M-43,45,47	3#10, #10@, 1/2'C	DIVISION 23	30 / 3	1
RTU-11	11.4 A	ROOF TOP UNIT	480/3	HA2M-49,51,53	3#12, #12@, 1/2'C	DIVISION 23	15 / 3	1
RTU-12	24.9 A	ROOF TOP UNIT	480/3	HA2M-55,57,59	3#10, #10@, 1/2'C	DIVISION 23	30 / 3	1
RTU-13	15.1 A	ROOF TOP UNIT	480/3	HA2M-61,63,65	3#12, #12@, 1/2'C	DIVISION 23	20 / 3	1
AHU-1	25.0 A	AIR HANDLER	208/1	LA4-30,32	2#10, #10@, 1/2'C	DIVISION 23	25 / 2	1
HPU-1	9.0 A	HEAT PUMP	208/1	LB4-34,36	2#12, #12@, 1/2'C	DIVISION 23	15 / 2	1 ON ROOF
AHU-2	25.0 A	AIR HANDLER	208/1	LA4-35,37	2#10, #10@, 1/2'C	DIVISION 23	25 / 2	1
HPU-2	9.0 A	HEAT PUMP	208/1	LA4-39,41	2#12, #12@, 1/2'C	DIVISION 23	15 / 2	1 ON ROOF
WL-P1	0.1 KW	WALL LOUVER	120/1	LA1-28	2#12, #12@, 1/2'C	MOTOR RATED SWITCH	15 / 1	
EW-H (WATER HEATER)	6.0 KW	WATER HEATER	277/1	HA2M-69	2#10, #10@, 1/2'C	30 / 1 / 1	30 / 1	
EW-H2 (WATER HEATER)	6.0 KW	WATER HEATER	277/1	HB5M-25	2#10, #10@, 1/2'C	30 / 1 / 1	30 / 1	
EW-H3 (WATER HEATER)	8.5 KW	WATER HEATER	480/3	HA4M-8,10,12	4#10, #10@, 3/4'C	30 / 3 / 1	15 / 3	
EW-H4 (WATER HEATER)	3.5 KW	WATER HEATER	208/1	LB6-36,38	2#10, #10@, 1/2'C	30 / 2 / 1	25 / 2	
EW-HB (WATER HEATER)	3.5 KW	WATER HEATER	208/1	LB4-38,40	2#10, #10@, 1/2'C	30 / 2 / 1	25 / 2	
EW-HC (WATER HEATER)	3.5 KW	WATER HEATER	208/1	LB2-22,24	2#10, #10@, 1/2'C	30 / 2 / 1	25 / 2	
EW-HD (WATER HEATER)	3.5 KW	WATER HEATER	208/1	LA6-25,27	2#10, #10@, 1/2'C	30 / 2 / 1	25 / 2	
EW-H (WATER HEATER)	10.0 KW	WATER HEATER	480/3	MA4-1,3,5	3#2/0, #5@, 2'C	300 / 3 / 1	175 / 3	
JP-1	3.0 HP	JOCKEY PUMP	480/3	EHA1-13,15,17	3#12, #12@, 1/2'C	30 / 3 / 1	15 / 3	

COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH DIVISION 23 PRIOR TO ROUGH-IN.

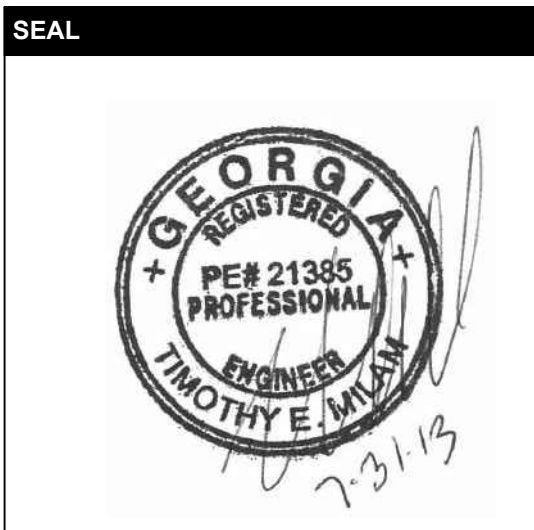
NOTES:

- DISCONNECT PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 25
- WIRE THROUGH CONTROL PANEL. COORDINATE REQUIREMENTS WITH DIVISION 23.
- WIRE THROUGH WALL SWITCH.



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08/06/2013		ADDENDUM NO. 1
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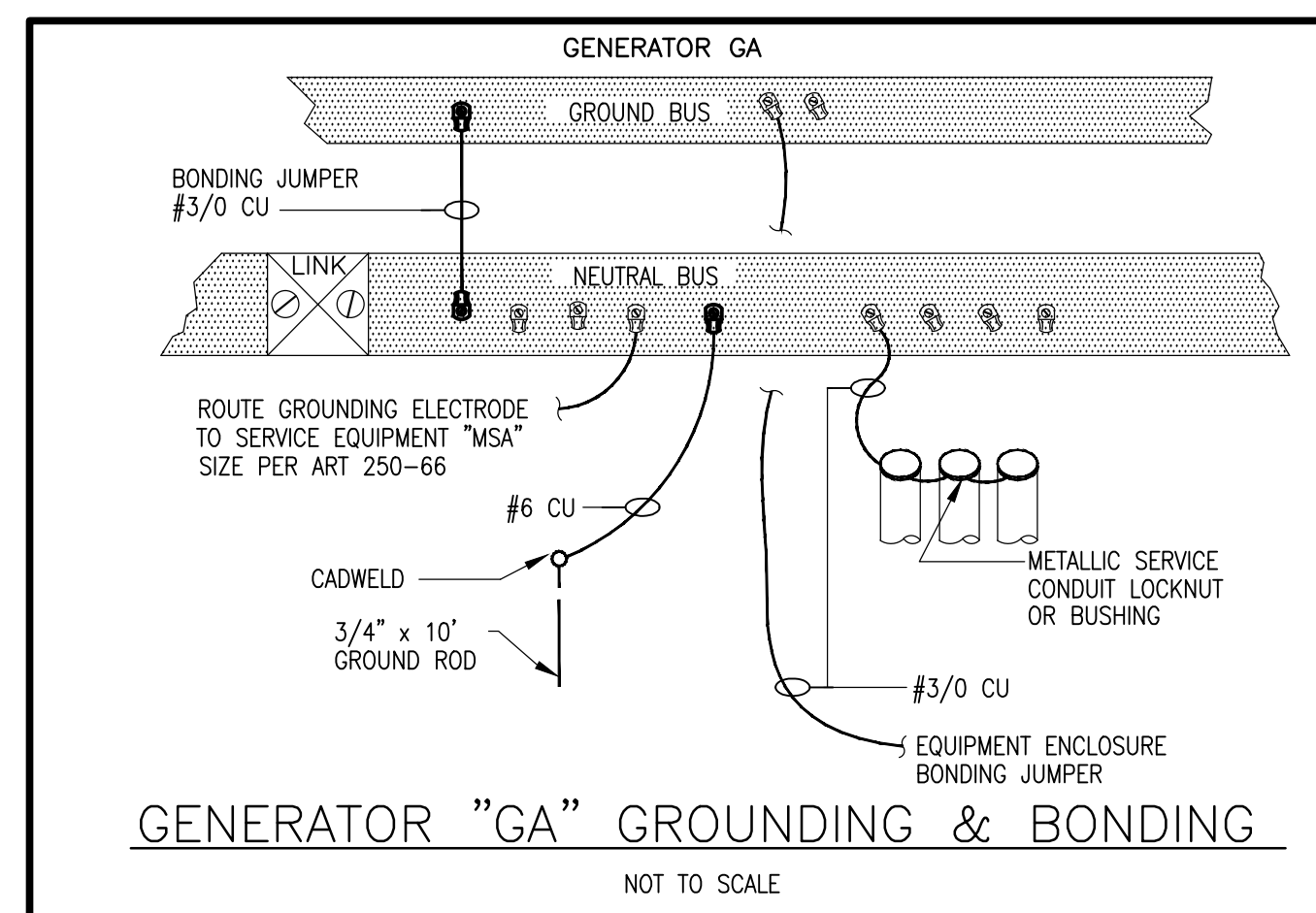
SHEET TITLE

ELECTRICAL LEGEND, NOTES AND SCHEDULES

SHEET NUMBER

E-003

FOR CONSTRUCTION



SCHEDULE OF FEEDERS & SERVICES									
Designation	Feeder/Service Description			Number of Runs	Conductor Size		Equipment Ground	Conduit Diameter (in)	
	Equipment Served	Conductor Amperacy (MPS)	Copper or Aluminum		Phase Conductor	Neutral Conductor			
F A 00									
F A 01	EDPA	4000	CU	11 sets	3 # 500	1 # 500	-	4	
F A 02	DT-ELA1	50	CU	1 set	3 # 1/0	1 # 1/0	1 # 6	2	
F A 03	ELA1	50	CU	1 set	3 # 12	-	1 # 10	3	
F A 04	ELA1	50	CU	1 set	3 # 8	1 # 8	1 # 8	MC	
F A 04	EHA1	100	CU	1 set	3 # 3	1 # 3	1 # 8	MC	
F A 05	EHA3	100	CU	1 set	3 # 3	1 # 3	1 # 8	1 1/4	
F A 06	EHA3	100	CU	1 set	3 # 3	1 # 3	1 # 8	1 1/4	
F A 07	EHBI	100	CU	1 set	3 # 3	1 # 3	1 # 8	1 1/4	
F A 08	BC1	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 09	BC2	620	CU	1 set	3 # 4/0	1 # 4/0	1 # 4	2 1/2	
F A 10	B05	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 11	BC7	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 12	HA1M	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 13	HA2M	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 14	HA3M	610	CU	2 sets	3 # 500	1 # 500	1 # 2/0	4	
F A 15	HAM	560	CU	2 sets	3 # 250	1 # 250	1 # 1	3	
F A 16	HA1	230	CU	1 set	3 # 4/0	1 # 4/0	1 # 4	2 1/2	
F A 17	DT-LA1	70	CU	1 set	3 # 4	-	1 # 8	MC	
F A 18	LA1	150	CU	1 set	3 # 1/0	1 # 1/0	1 # 6	MC	
F A 19	HA2	230	CU	1 set	3 # 4/0	1 # 4/0	1 # 4	2 1/2	
F A 20	DT-LA2	50	CU	1 set	3 # 8	-	1 # 10	MC	
F A 21	LA2	100	CU	1 set	3 # 3	1 # 3	1 # 8	MC	
F A 22	HA3	230	CU	1 set	3 # 4/0	1 # 4/0	1 # 4	2 1/2	
F A 23	DT-LA3	50	CU	1 set	3 # 8	-	1 # 10	MC	
F A 24	LA3	100	CU	1 set	3 # 3	1 # 3	1 # 8	MC	
F A 25	HA3	230	CU	1 set	3 # 4/0	1 # 4/0	1 # 4	2 1/2	
F A 26	PELO	275	CU	1 set	3 # 300	1 # 300	1 # 1/0	3	
F A 27	LO1	255	CU	1 set	3 # 250	1 # 250	1 # 2	MC	
F A 28	PELO	255	CU	1 set	3 # 250	1 # 250	1 # 2	MC	
F A 29	DT-LO	100	CU	1 set	3 # 300	1 # 300	1 # 2/0	3	
F A 30	DT-LO	100	CU	1 set	3 # 300	1 # 300	1 # 2/0	3	
F A 31	LA4	150	CU	1 set	3 # 1/0	1 # 1/0	1 # 6	MC	
F A 32	MHE1	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 33	MHE2	620	CU	2 sets	3 # 350	1 # 350	1 # 1	3	
F A 34	SLAMFD	855	CU	2 sets	3 # 300	1 # 300	1 # 1/0	3	
F A 35	DT-SLAMFD	70	CU	1 set	3 # 4	-	1 # 8	MC	
F A 36	SLAMFD	150	CU	1 set	3 # 1/0	1 # 1/0	1 # 6	MC	
F A 37	HB1M	70	CU	2 sets	3 # 500	1 # 500	1 # 2/0	4	
F A 38	HB1	255	CU	1 set	3 # 250	1 # 250	1 # 1	3	
F A 39	DT-LB1	70	CU	1 set	3 # 4	-	1 # 8	MC	
F A 40	LB1	150	CU	1 set	3 # 1/0	1 # 1/0	1 # 6	MC	
F A 41	DT-LB2	70	CU	1 set	3 # 4	-	1 # 6	1 1/4	
F A 42	LB2	100	CU	1 set	3 # 3	1 # 3	1 # 8	MC	

KEY: "CU" - COPPER "AL" - ALUMINUM

NOTES: COPPER OR ALUMINUM REFERS TO ALL CONDUCTORS (PHASE, NEUTRAL, AND GROUND)

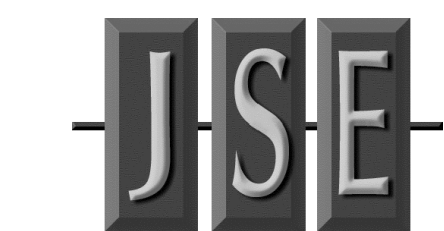
- ## GENERAL NOTES:
-
- G-1 ALUMINUM FEEDERS ARE PERMITTED FOR ALL FEEDERS #1/0 AND LARGER. CONTRACTOR TO SUBMIT ALTERNATE FEEDER SCHEDULE FOR REVIEW AND APPROVAL.
- G-2 ALL DISTRIBUTION CIRCUIT BREAKERS IN MAIN SWITCHBOARDS TO "OPEN" WITH TIME DELAYS UPON LOSS OF NORMAL UTILITY POWER.



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07/31/2013	2013-018

SHEET TITLE

ELECTRICAL RISER DIAGRAM MSA

SHEET NUMBER

E-004

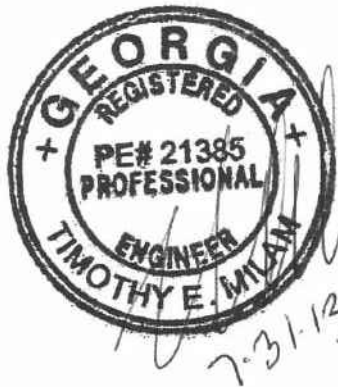
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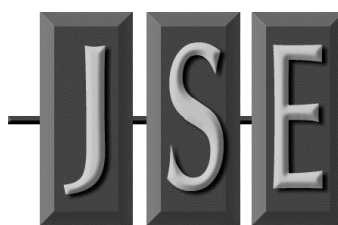
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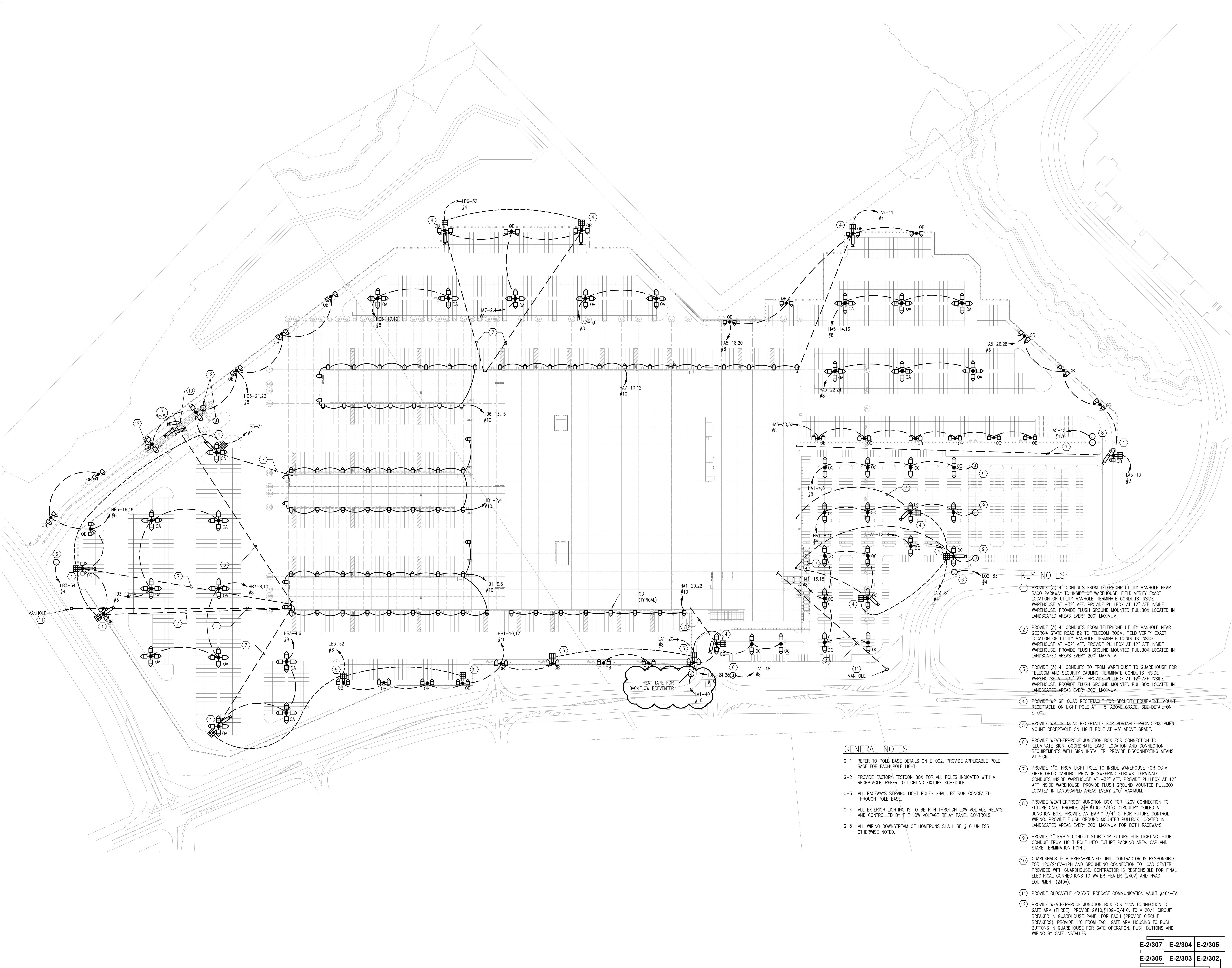
SHEET TITLE

**SITE PLAN -
ELECTRICAL**

SHEET NUMBER

E-101

FOR CONSTRUCTION



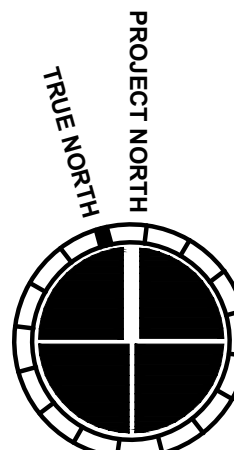
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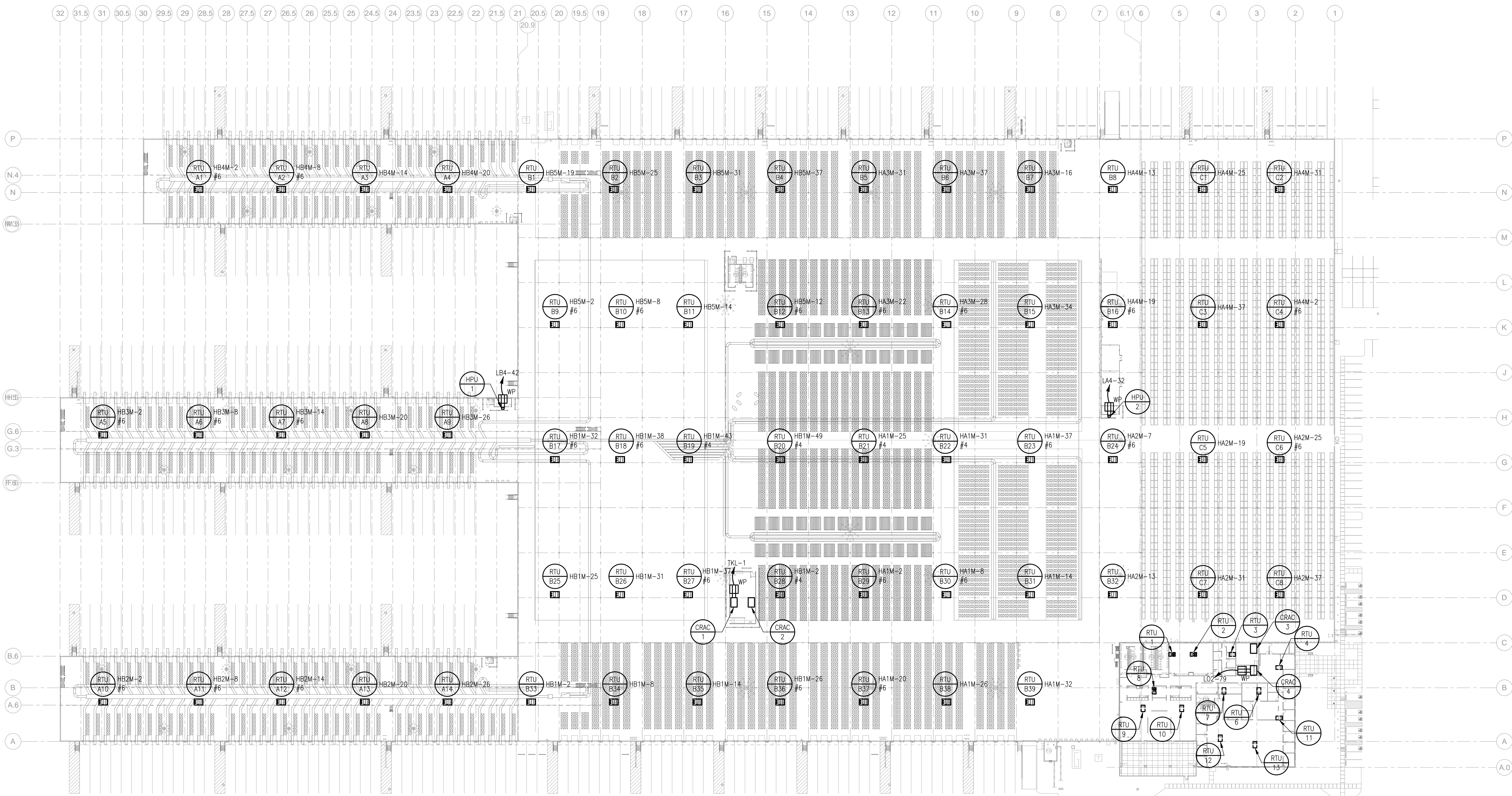
- G-1 REFER TO POLE BASE DETAILS ON E-002. PROVIDE APPLICABLE POLE BASE FOR EACH POLE LIGHT.
- G-2 PROVIDE FACTORY FESTOON BOX FOR ALL POLES INDICATED WITH A RECEPTACLE. REFER TO LIGHTING FIXTURE SCHEDULE.
- G-3 ALL RACEWAYS SERVING LIGHT POLES SHALL BE RUN CONCEALED THROUGH POLE BASE.
- G-4 ALL EXTERIOR LIGHTING IS TO BE RUN THROUGH LOW VOLTAGE RELAYS AND CONTROLLED BY THE LOW VOLTAGE RELAY PANEL CONTROLS.
- G-5 ALL WIRING DOWNSTREAM OF HOMERUNS SHALL BE #10 UNLESS OTHERWISE NOTED.

KEY NOTES:

- 1 PROVIDE (3) 4" CONDUITS FROM TELEPHONE UTILITY MANHOLE NEAR RACO PARKWAY TO INSIDE OF WAREHOUSE. FIELD VERIFY EXACT LOCATION OF UTILITY MANHOLE. TERMINATE CONDUITS INSIDE WAREHOUSE AT +32" AFF. PROVIDE PULLBOX AT 12" AFF INSIDE WAREHOUSE. PROVIDE FLUSH GROUND MOUNTED PULLBOX LOCATED IN LANDSCAPED AREAS EVERY 200' MAXIMUM.
- 2 PROVIDE (3) 4" CONDUITS FROM TELEPHONE UTILITY MANHOLE NEAR GEORGIA STATE ROAD 82 TO TELECOM ROOM. FIELD VERIFY EXACT LOCATION OF UTILITY MANHOLE. TERMINATE CONDUITS INSIDE WAREHOUSE AT +32" AFF. PROVIDE PULLBOX AT 12" AFF INSIDE WAREHOUSE. PROVIDE FLUSH GROUND MOUNTED PULLBOX LOCATED IN LANDSCAPED AREAS EVERY 200' MAXIMUM.
- 3 PROVIDE (3) 4" CONDUITS TO FROM WAREHOUSE TO GUARDHOUSE FOR TELECOM AND SECURITY CABLING. TERMINATE CONDUITS INSIDE WAREHOUSE AT +32" AFF. PROVIDE PULLBOX AT 12" AFF INSIDE WAREHOUSE. PROVIDE FLUSH GROUND MOUNTED PULLBOX LOCATED IN LANDSCAPED AREAS EVERY 200' MAXIMUM.
- 4 PROVIDE WP GF1 QUAD RECEPTACLE FOR SECURITY EQUIPMENT. MOUNT RECEPTACLE ON LIGHT POLE AT +15' ABOVE GRADE. SEE DETAIL ON E-002.
- 5 PROVIDE WP GF1 QUAD RECEPTACLE FOR PORTABLE PAGING EQUIPMENT. MOUNT RECEPTACLE ON LIGHT POLE AT +5' ABOVE GRADE.
- 6 PROVIDE WEATHERPROOF JUNCTION BOX FOR CONNECTION TO ILLUMINATE SIGN. COORDINATE EXACT LOCATION AND CONNECTION REQUIREMENTS WITH SIGN INSTALLER. PROVIDE DISCONNECTING MEANS AT SIGN.
- 7 PROVIDE 1" C. FROM LIGHT POLE TO INSIDE WAREHOUSE FOR OCTV FIBER OPTIC CABLING. PROVIDE SNEEPEE ELBOWS. TERMINATE CONDUITS INSIDE WAREHOUSE AT +32" AFF. PROVIDE PULLBOX AT 12" AFF INSIDE WAREHOUSE. PROVIDE FLUSH GROUND MOUNTED PULLBOX LOCATED IN LANDSCAPED AREAS EVERY 200' MAXIMUM.
- 8 PROVIDE WEATHERPROOF JUNCTION BOX FOR 120V CONNECTION TO FUTURE GATE. PROVIDE 2#8, #10G-3/4" C. CIRCUITRY COILED AT JUNCTION BOX. PROVIDE AN EMPTY 3/4" C. FOR FUTURE CONTROL WIRING. PROVIDE FLUSH GROUND MOUNTED PULLBOX LOCATED IN LANDSCAPED AREAS EVERY 200' MAXIMUM FOR BOTH RACEWAYS.
- 9 PROVIDE 1" EMPTY CONDUIT STUB FOR FUTURE SITE LIGHTING. STUB CONDUIT FROM LIGHT POLE INTO FUTURE PARKING AREA. CAP AND STAKE TERMINATION POINT.
- 10 GUARDSHACK IS A PREFABRICATED UNIT. CONTRACTOR IS RESPONSIBLE FOR 120/240V-1PH AND GROUNDING CONNECTION TO LOAD CENTER PROVIDED WITH GUARDHOUSE. CONTRACTOR IS RESPONSIBLE FOR FINAL ELECTRICAL CONNECTIONS TO WATER HEATER (240V) AND HVAC EQUIPMENT (240V).
- 11 PROVIDE OLDCASTLE 4'X6'X3' PRECAST COMMUNICATION VAULT #464-TA.
- 12 PROVIDE WEATHERPROOF JUNCTION BOX FOR 120V CONNECTION TO GATE ARM (THREE). PROVIDE 2#10, #10G-3/4" C. TO A 20/1 CIRCUIT BREAKER IN GUARDHOUSE PANEL FOR EACH (PROVIDE CIRCUIT BREAKERS). PROVIDE 1" C. FROM EACH GATE ARM HOUSING TO PUSH BUTTONS IN GUARDHOUSE FOR GATE OPERATION. PUSH BUTTONS AND WIRING BY GATE INSTALLER.

E-2/307	E-2/304	E-2/305
E-2/306	E-2/303	E-2/302





GENERAL NOTES:

- G-1 PROVIDE DUCT DETECTORS FOR ALL RTU'S BETWEEN 2,000CFM AND 15,000CFM. PROVIDE (2) DUCT DETECTORS FOR RTU'S 15,000CFM AND GREATER.
- G-2 REFER TO E-003 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.



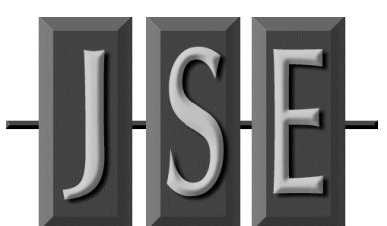
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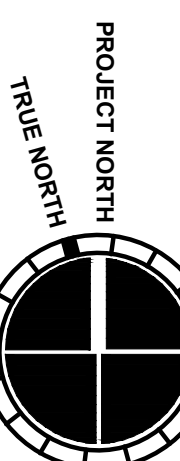
SHEET TITLE

**OVERALL
FLOOR PLAN -
MECHANICAL
POWER**

SHEET NUMBER

E-201

FOR CONSTRUCTION



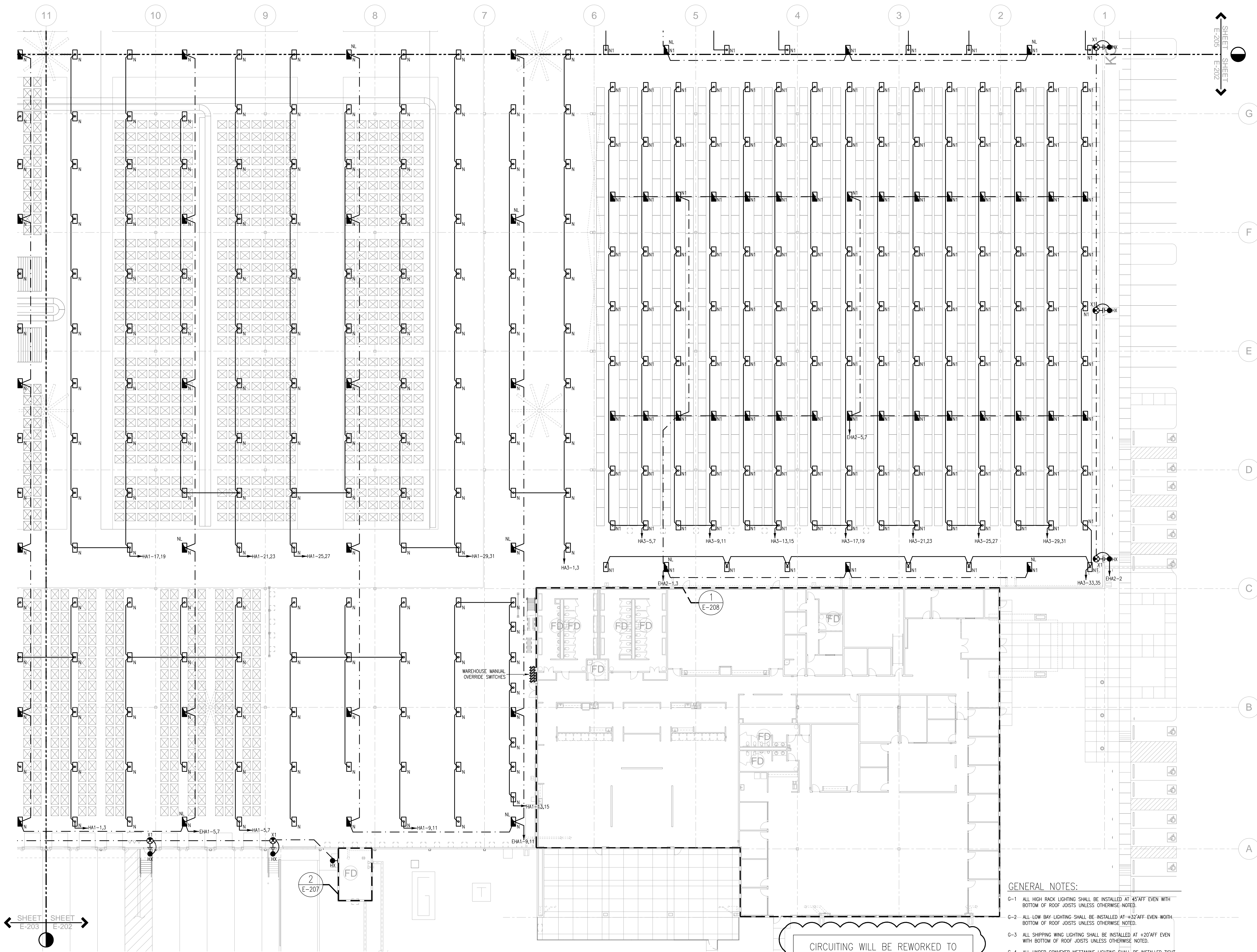
E-2/307	E-2/304	E-2/305
E-2/306	E-2/303	E-2/302

1 OVERALL FLOOR PLAN - MECHANICAL POWER

1"=60'-0"

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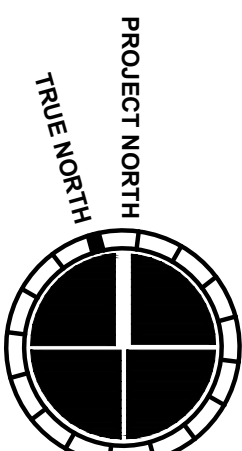
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GENERAL NOTES:

- G-1 ALL HIGH RACK LIGHTING SHALL BE INSTALLED AT 45' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-2 ALL LOW BAY LIGHTING SHALL BE INSTALLED AT +32' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-3 ALL SHIPPING WING LIGHTING SHALL BE INSTALLED AT +20' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-4 ALL UNDER CONVEYER MEZZANINE LIGHTING SHALL BE INSTALLED TIGHT TO UNDERSIDE OF DECKING AND UP IN BETWEEN JOISTS UNLESS OTHERWISE NOTED.
- G-5 ALL WAREHOUSE LIGHTING IS TO BE CONTROLLED THROUGH LOW VOLTAGE RELAYS. REFER TO RELAY SCHEDULES.
- G-6 ALL NIGHT LIGHTING "NL" AND EXIT SIGNS SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.

E-207	E-204	E-205
E-206	E-203	E-202



1 PARTIAL FLOOR PLAN - LIGHTING

1/16" = 1'-0"



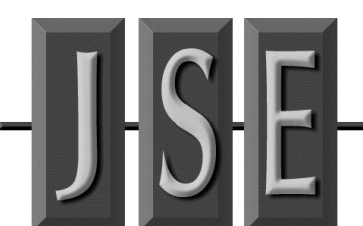
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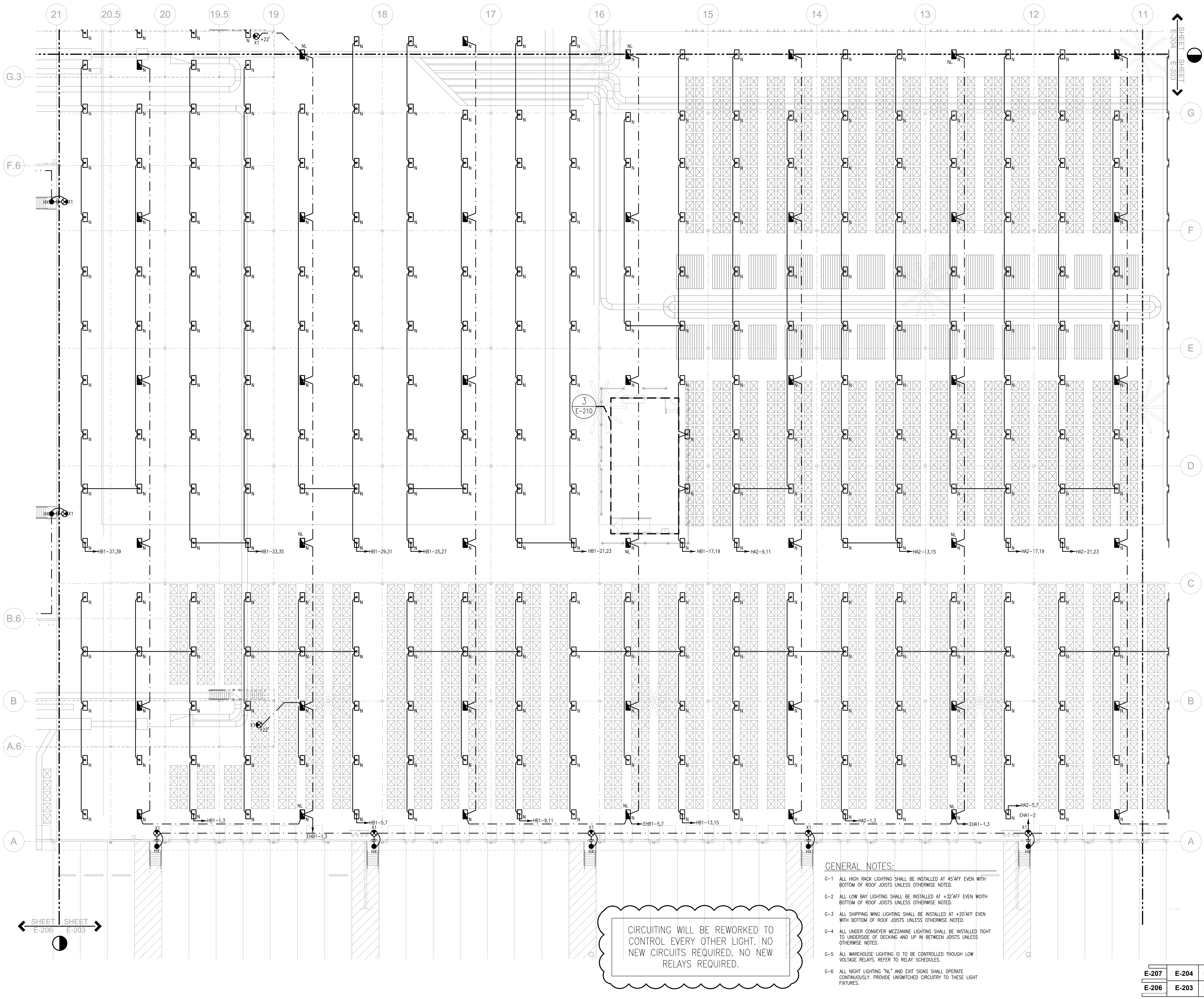
SHEET TITLE

**PARTIAL
FLOOR
PLAN -
LIGHTING**

SHEET NUMBER

E-202

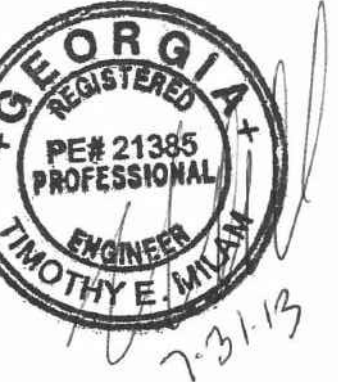
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SHEET TITLE

**PARTIAL
FLOOR
PLAN -
LIGHTING**

SHEET NUMBER

E-203

FOR CONSTRUCTION

CIRCUITING WILL BE REWORKED TO CONTROL EVERY OTHER LIGHT. NO NEW CIRCUITS REQUIRED. NO NEW RELAYS REQUIRED.

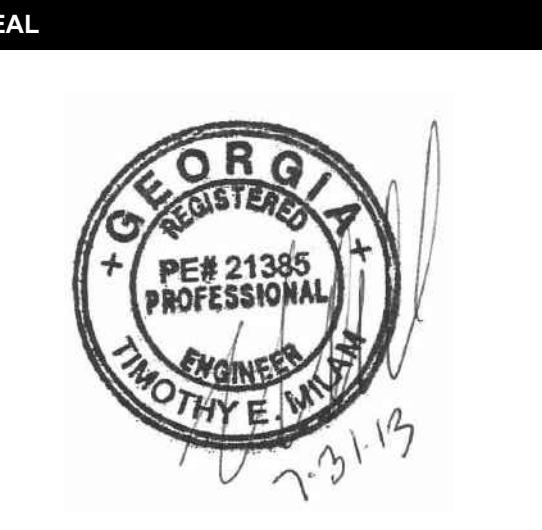
GENERAL NOTES:

- G-1 ALL HIGH BAY LIGHTING SHALL BE INSTALLED AT 45' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-2 ALL LOW BAY LIGHTING SHALL BE INSTALLED AT +32' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-3 ALL SHIPPING WING LIGHTING SHALL BE INSTALLED AT +20' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-4 ALL UNDER CONVEYER MEZZANINE LIGHTING SHALL BE INSTALLED TIGHT TO UNDERSIDE OF DECKING AND UP IN BETWEEN JOISTS UNLESS OTHERWISE NOTED.
- G-5 ALL WAREHOUSE LIGHTING IS TO BE CONTROLLED THOUGH LOW VOLTAGE RELAYS. REFER TO RELAY SCHEDULES.
- G-6 ALL NIGHT LIGHTING "NL" AND EXIT SIGNS SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.



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NUMBER	DATE	DESCRIPTION
06/20/2013		PROGRESS/REVIEW
07/08/2013		75% REVIEW
07/10/2013		ISSUED FOR ADJUDICMENT
08/15/2013		ADDENDUM NO. 2

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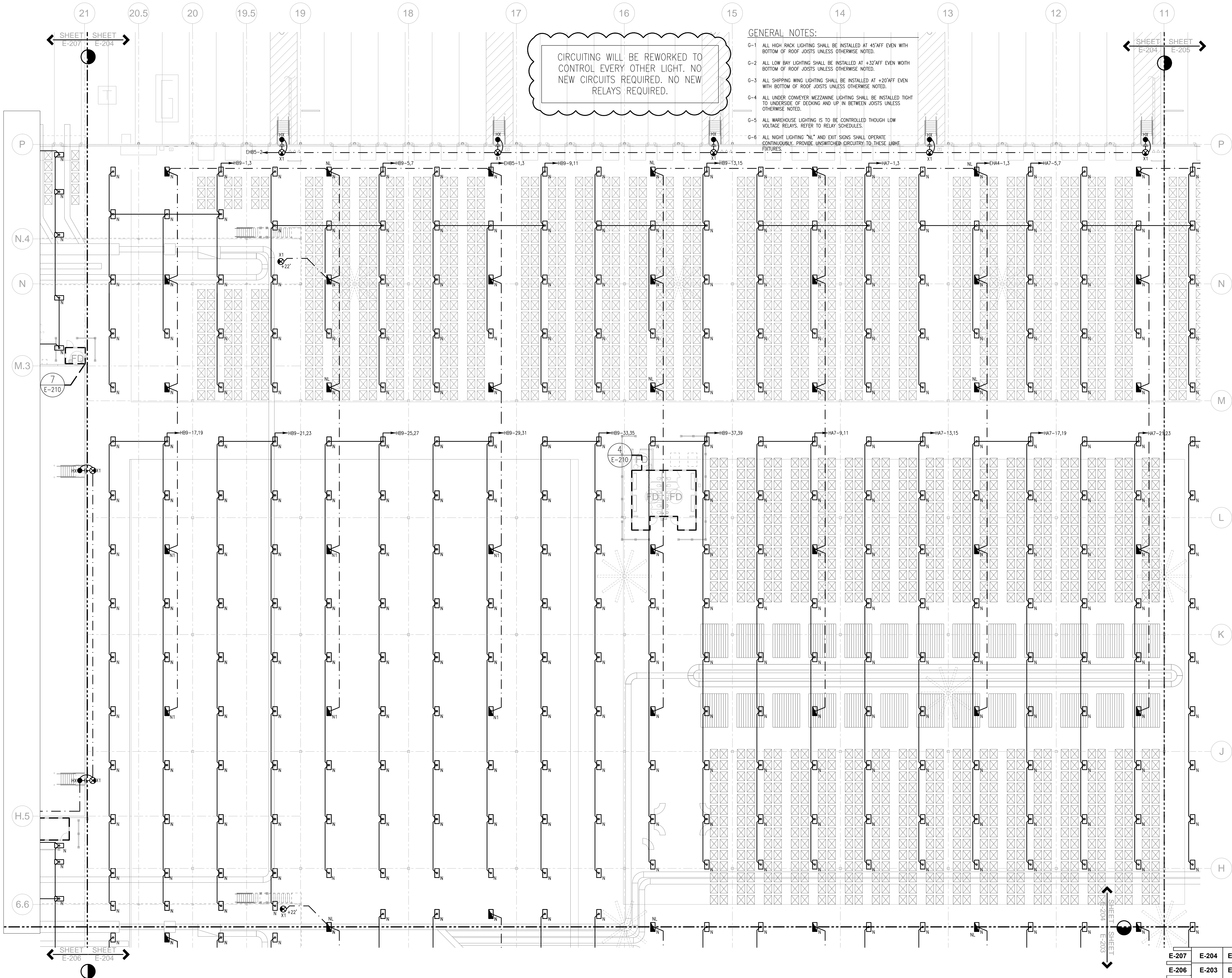
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DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE
**PARTIAL
FLOOR
PLAN -
LIGHTING**

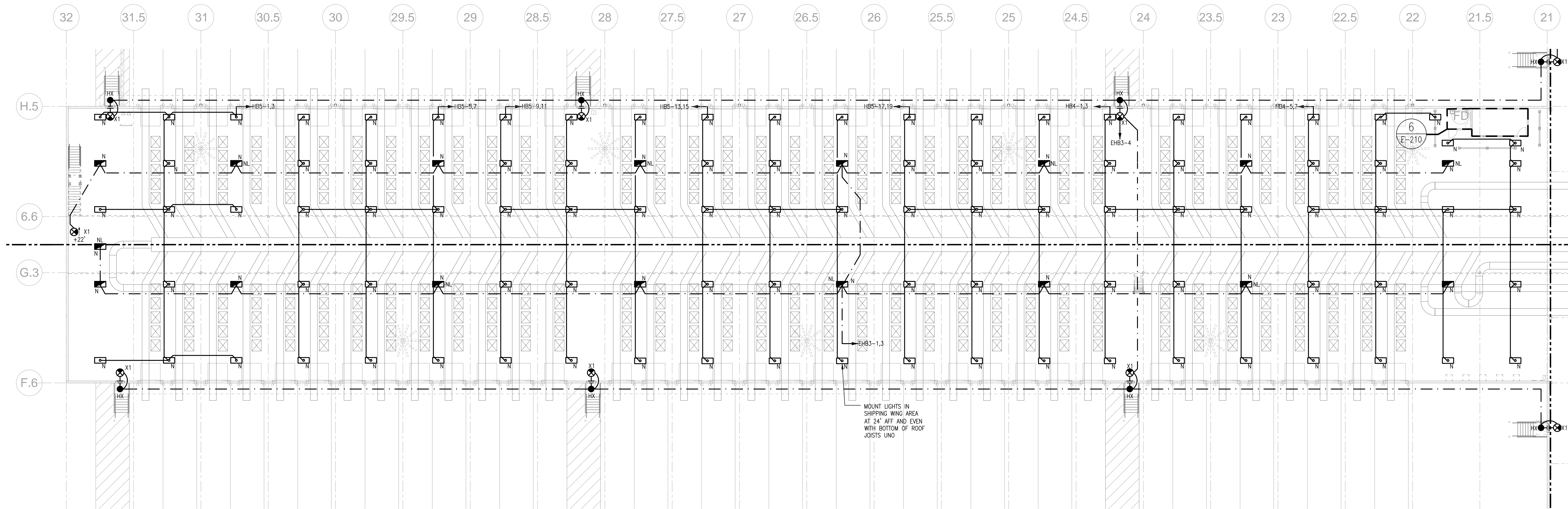
SHEET NUMBER
E-204

FOR CONSTRUCTION



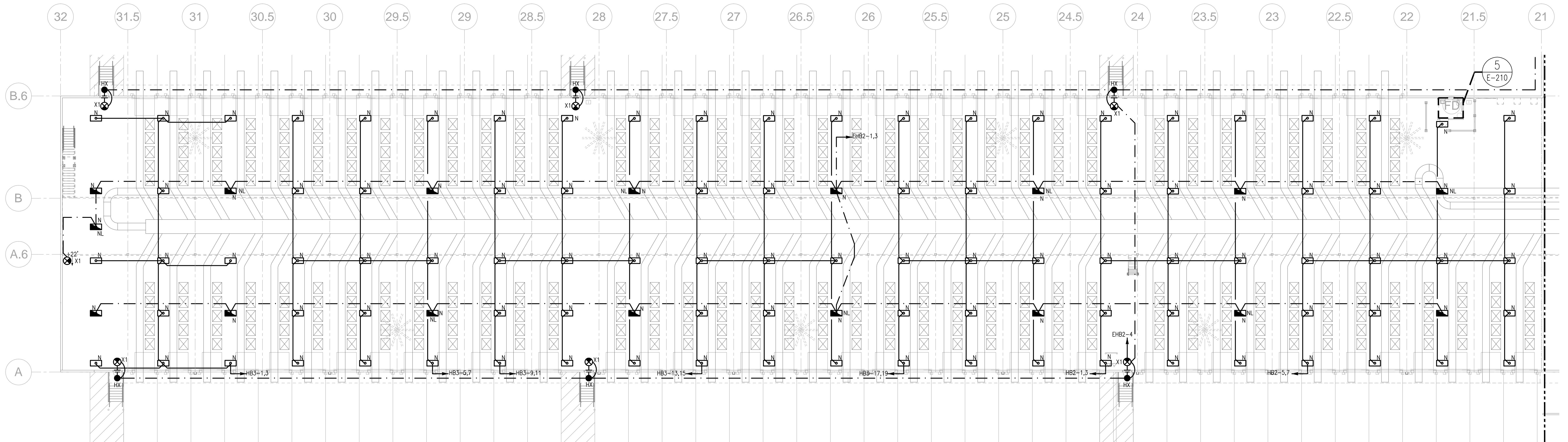
1 PARTIAL FLOOR PLAN - LIGHTING

1/16" = 1'-0"

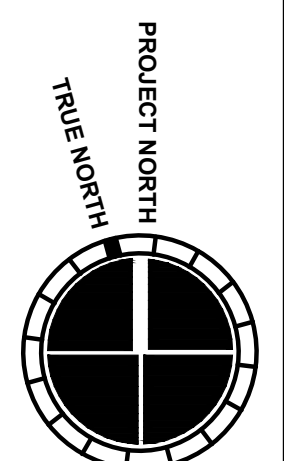


GENERAL NOTES:

- G-1 ALL HIGH BAY LIGHTING SHALL BE INSTALLED AT 45' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-2 ALL LOW BAY LIGHTING SHALL BE INSTALLED AT +32' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-3 ALL SHIPPING WING LIGHTING SHALL BE INSTALLED AT +20' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-4 ALL UNDER CONVEYER MEZZANINE LIGHTING SHALL BE INSTALLED TIGHT TO UNDERSIDE OF DECKING AND UP IN BETWEEN JOISTS UNLESS OTHERWISE NOTED.
- G-5 ALL WAREHOUSE LIGHTING IS TO BE CONTROLLED THOUGH LOW VOLTAGE RELAYS. REFER TO RELAY SCHEDULES.
- G-6 ALL NIGHT LIGHTING "NL" AND EXIT SIGNS SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.

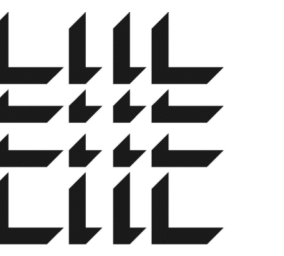


E-207	E-204	E-205
E-206	E-203	E-202



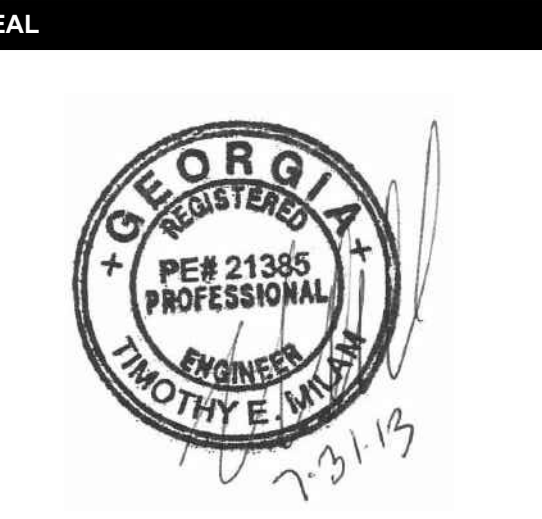
1 PARTIAL FLOOR PLAN - LIGHTING

1/16" = 1'-0"



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	07/15/2013	ISSUED FOR SUBMITTAL
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SHEET TITLE
**PARTIAL
FLOOR
PLAN -
LIGHTING**

SHEET NUMBER

E-206

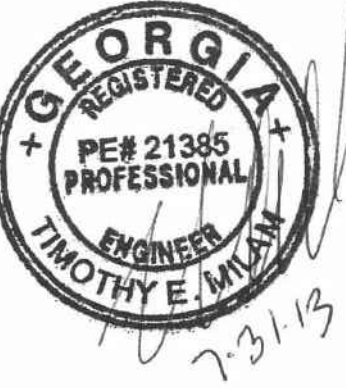
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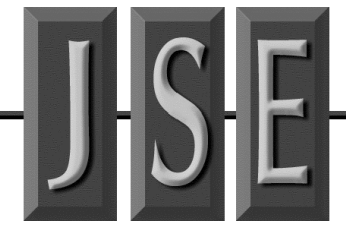
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07/31/2013	2013-018

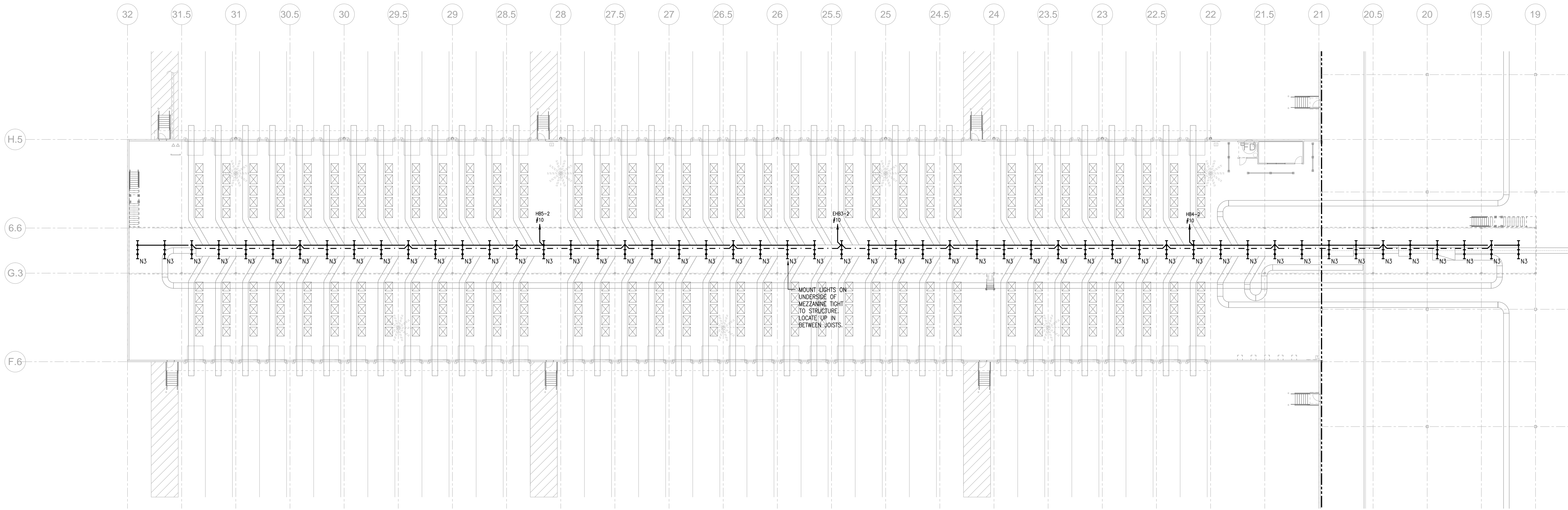
SHEET TITLE

**PARTIAL
MEZZANINE
PLAN -
LIGHTING**

SHEET NUMBER

E-206A

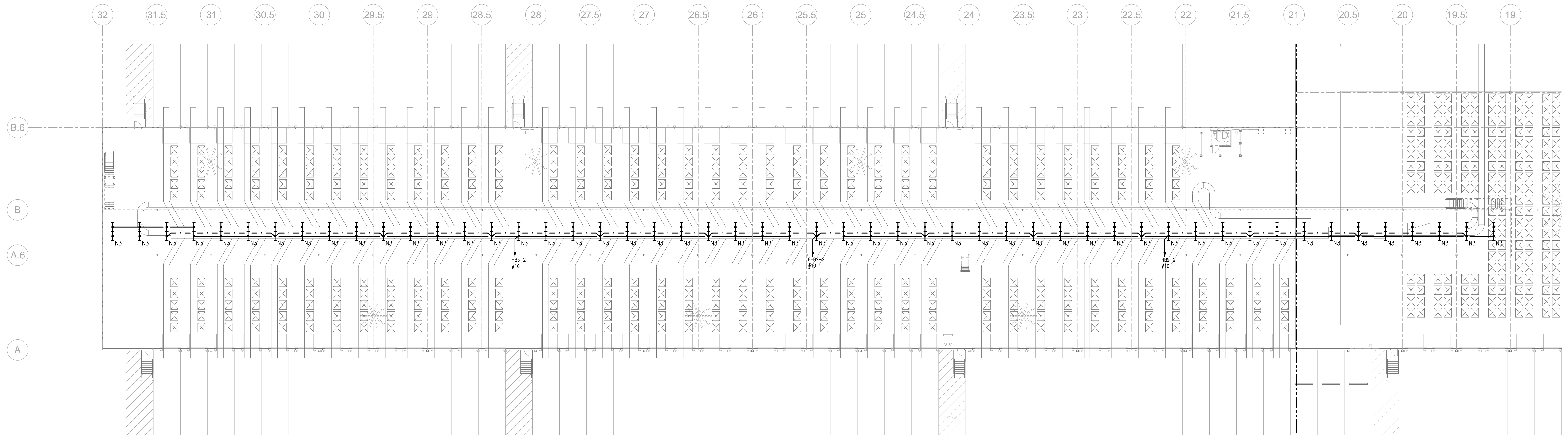
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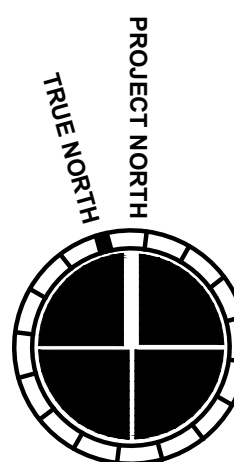
CIRCUITING WILL BE REWORKED TO
CONTROL EVERY OTHER LIGHT. NO
NEW CIRCUITS REQUIRED. NO NEW
RELAYS REQUIRED.

GENERAL NOTES:

- G-1 ALL HIGH BAY LIGHTING SHALL BE INSTALLED AT 45' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-2 ALL LOW BAY LIGHTING SHALL BE INSTALLED AT 4.32' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-3 ALL SHIPPING WING LIGHTING SHALL BE INSTALLED AT 4.20' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-4 ALL UNDER CONVEYER MEZZANINE LIGHTING SHALL BE INSTALLED TIGHT TO UNDERSIDE OF DECKING AND UP IN BETWEEN JOISTS UNLESS OTHERWISE NOTED.
- G-5 ALL WAREHOUSE LIGHTING IS TO BE CONTROLLED THROUGH LOW VOLTAGE RELAYS. REFER TO RELAY SCHEDULES.
- G-6 ALL NIGHT LIGHTING "NL" AND EXIT SIGNS SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.



E-207	E-204	E-205
E-206	E-203	E-202

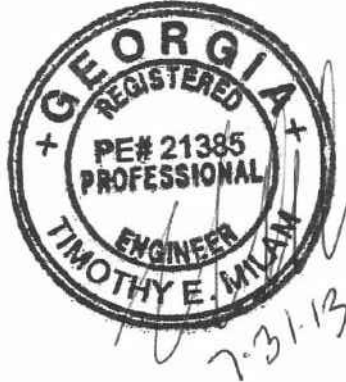




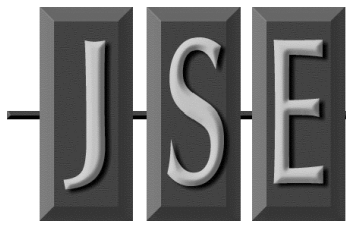
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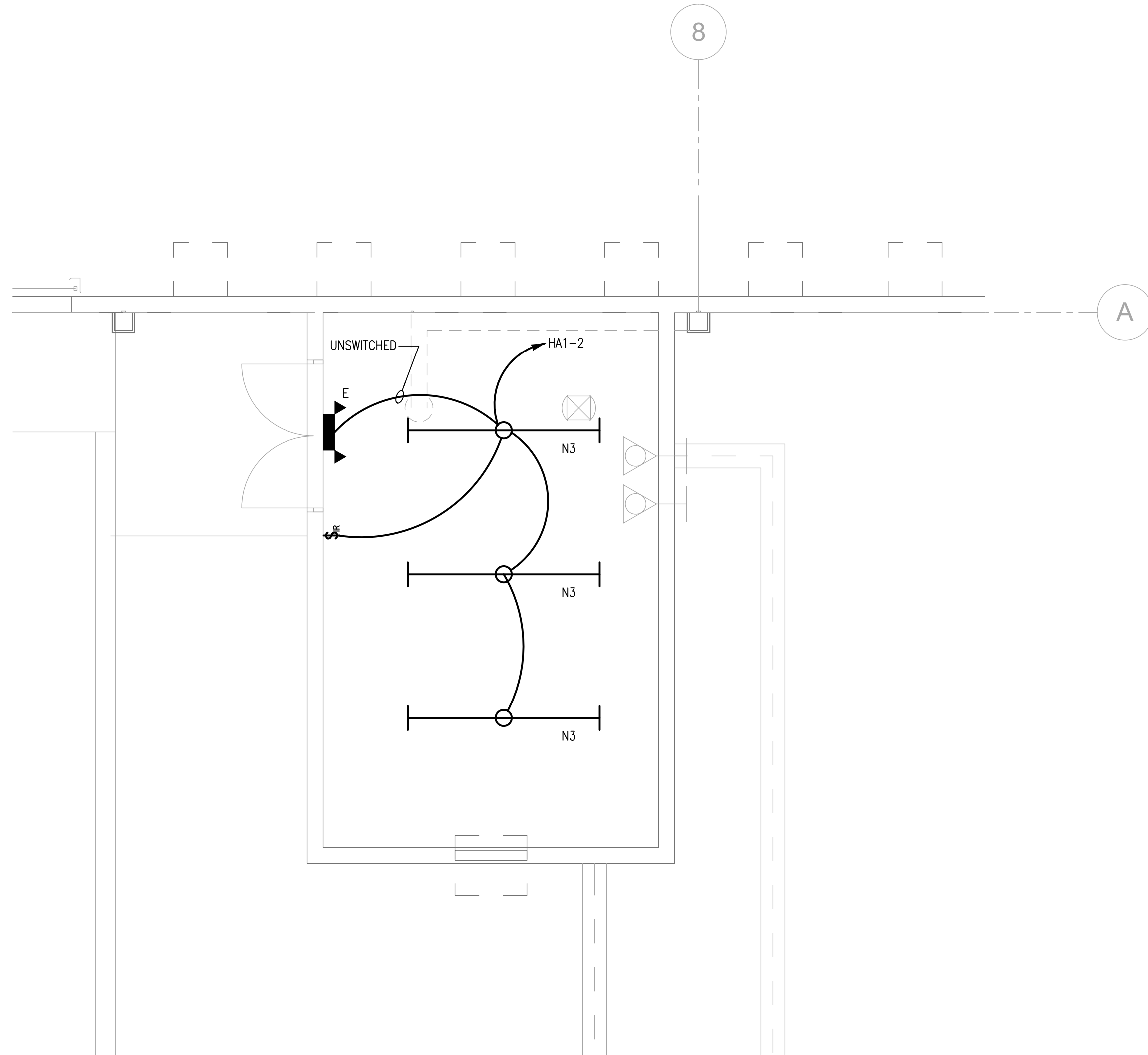
SHEET TITLE

**PARTIAL FLOOR
PLAN AND
ENLARGED
PUMP ROOM -
LIGHTING**

SHEET NUMBER

E-207

FOR CONSTRUCTION



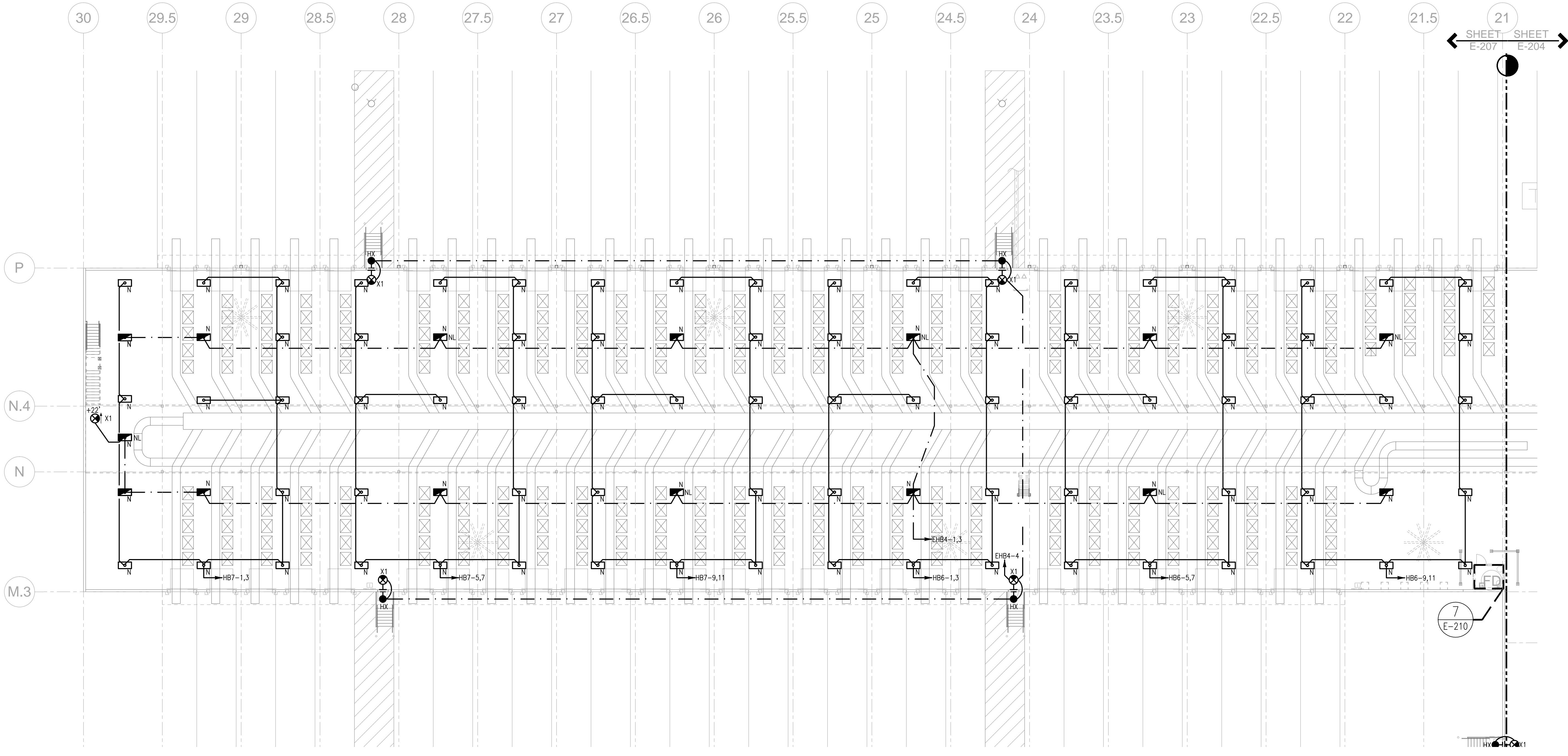
GENERAL NOTES:

- G-1 ALL HIGH BAY LIGHTING SHALL BE INSTALLED AT 45' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-2 ALL LOW BAY LIGHTING SHALL BE INSTALLED AT +32' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-3 ALL SHIPPING WING LIGHTING SHALL BE INSTALLED AT +20' AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-4 ALL UNDER CONVEYER MEZZANINE LIGHTING SHALL BE INSTALLED TIGHT TO UNDERSIDE OF DECKING AND UP IN BETWEEN JOISTS UNLESS OTHERWISE NOTED.
- G-5 ALL WAREHOUSE LIGHTING IS TO BE CONTROLLED THROUGH LOW VOLTAGE RELAYS. REFER TO RELAY SCHEDULES.
- G-6 ALL NIGHT LIGHTING "NL" AND EXIT SIGNS SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.

CIRCUITING WILL BE REWORKED TO
CONTROL EVERY OTHER LIGHT. NO
NEW CIRCUITS REQUIRED. NO NEW
RELAYS REQUIRED.

2 ENLARGED PUMP HOUSE - LIGHTING

1/4" = 1'-0"



1 PARTIAL FLOOR PLAN - LIGHTING

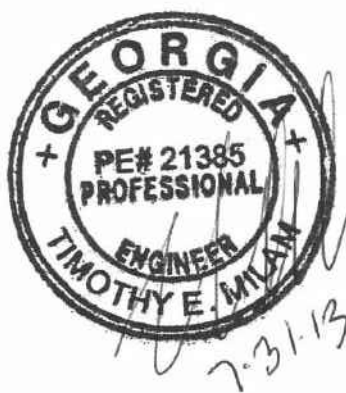
1/16" = 1'-0"



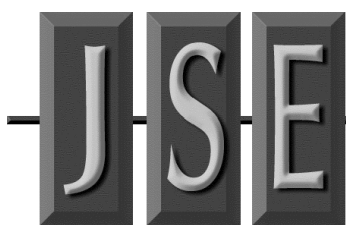
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DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE

**PARTIAL
MEZZANINE
PLAN -
LIGHTING**

SHEET NUMBER

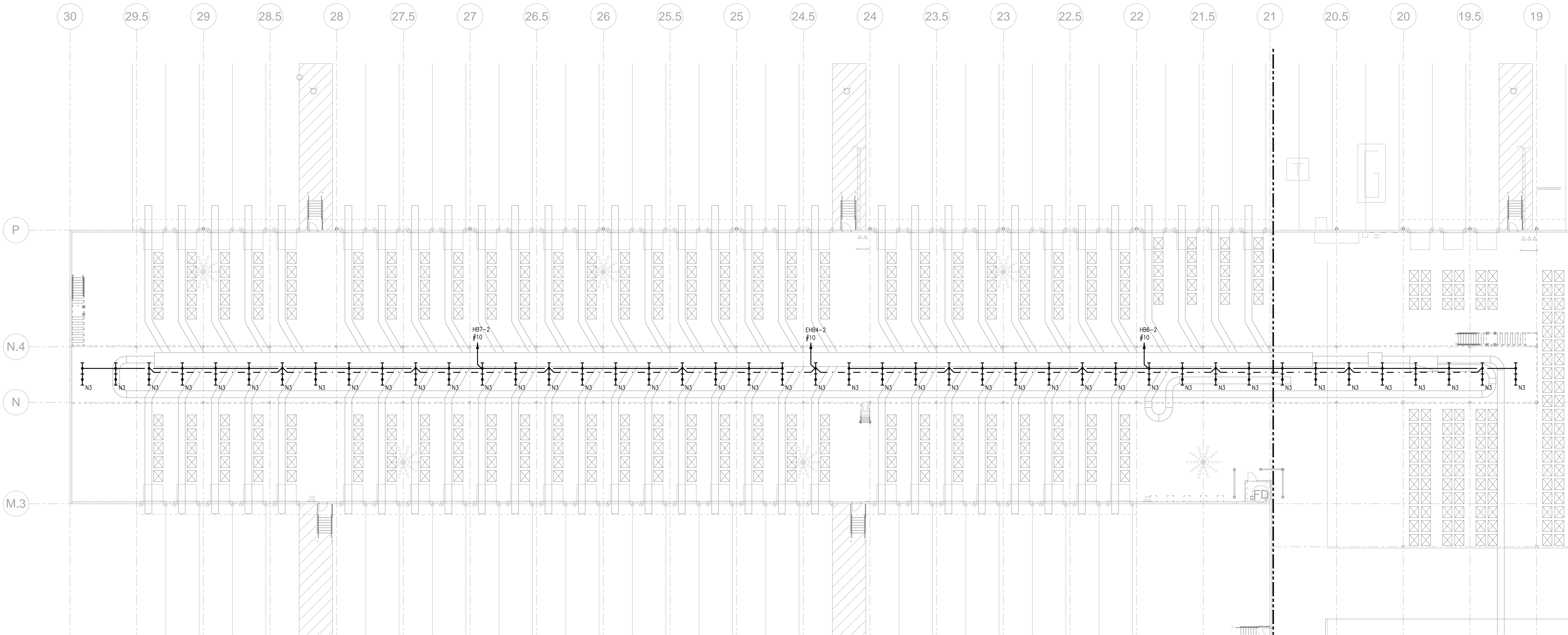
E-207A

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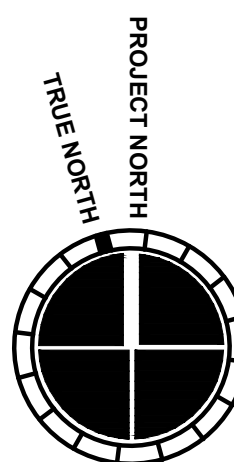
GENERAL NOTES:

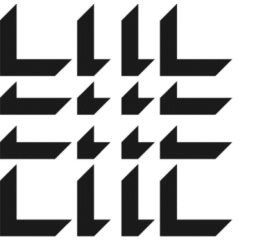
- G-1 ALL HIGH RACK LIGHTING SHALL BE INSTALLED AT 45'AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-2 ALL LOW BAY LIGHTING SHALL BE INSTALLED AT +32'AFF EVEN WOTH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-3 ALL SHIPPING WING LIGHTING SHALL BE INSTALLED AT +20'AFF EVEN WITH BOTTOM OF ROOF JOISTS UNLESS OTHERWISE NOTED.
- G-4 ALL UNDER CONVEYER MEZZANINE LIGHTING SHALL BE INSTALLED TIGHT TO UNDERSIDE OF DECKING AND UP IN BETWEEN JOISTS UNLESS OTHERWISE NOTED.
- G-5 ALL WAREHOUSE LIGHTING IS TO BE CONTROLLED THOUGH LOW VOLTAGE RELAYS. REFER TO RELAY SCHEDULES.
- G-6 ALL NIGHT LIGHTING, "NL" AND EXIT SIGNS SHALL OPERATE CONTINUOUSLY. PROVIDE UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.

CIRCUITING WILL BE REWORKED TO
CONTROL EVERY OTHER LIGHT. NO
NEW CIRCUITS REQUIRED. NO NEW
RELAYS REQUIRED.



E-207	E-204	E-205
E-206	E-203	E-202

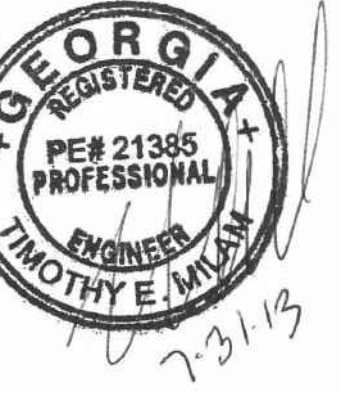




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08/15/2013	08/15/2013	ADDENDUM NO. 2

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DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE

**MAIN OFFICE
FLOOR PLAN -
LIGHTING**

SHEET NUMBER

E-2.08

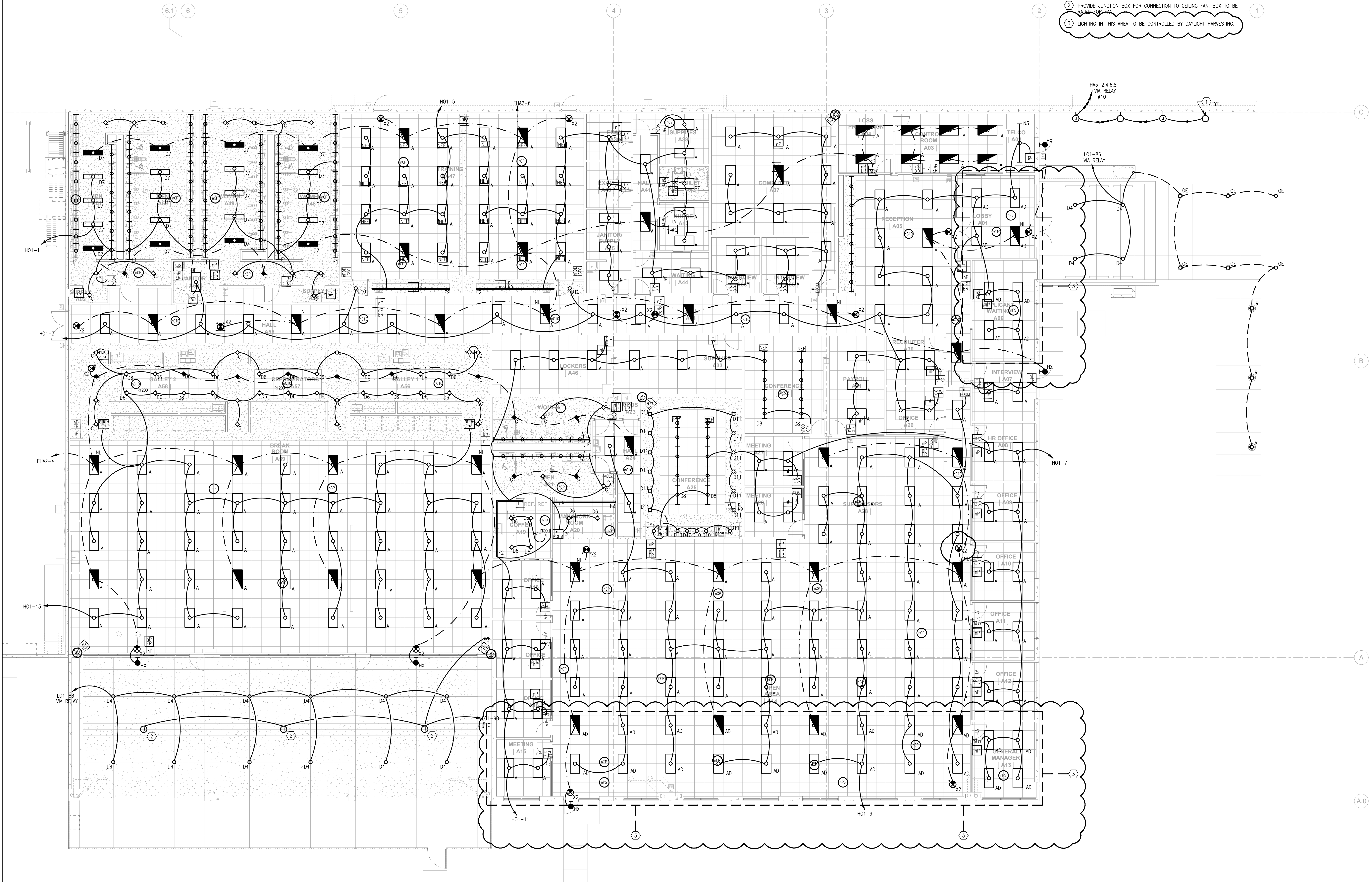
FOR CONSTRUCTION

GENERAL NOTES:

- G-1 U.N.O., ALL LIGHTING FIXTURES SHALL BE TYPE 'A'.
G-2 ALL NIGHT LIGHTING "NL" SHALL OPERATE CONTINUOUSLY. PROVIDE
UNSWITCHED CIRCUITRY TO THESE LIGHT FIXTURES.

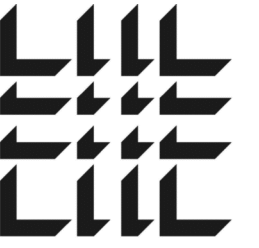
KEY NOTES:

- 1 PROVIDE WEATHERPROOF JUNCTION BOX FOR CONNECTION TO SIGNAGE.
PROVIDE FINAL CONNECTION TO SIGN. PROVIDE DISCONNECTING MEANS
AT SIGN. COORDINATE REQUIREMENTS WITH SIGN INSTALLER.
2 PROVIDE JUNCTION BOX FOR CONNECTION TO CEILING FAN. BOX TO BE
RATED FOR FAN.
3 LIGHTING IN THIS AREA TO BE CONTROLLED BY DAYLIGHT HARVESTING.



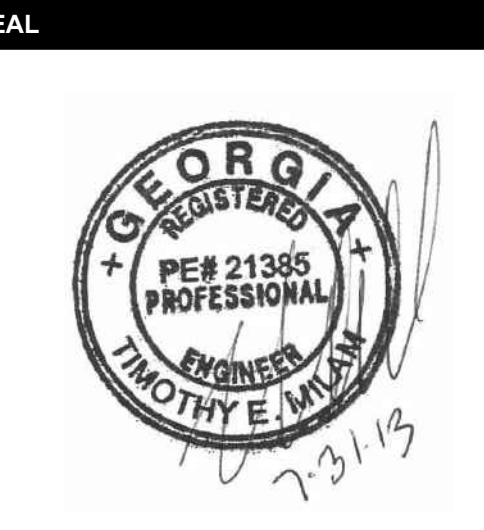
1 MAIN OFFICE FLOOR PLAN - LIGHTING

1/8" = 1'-0"



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	08/15/2013	ADDENDUM NO. 2

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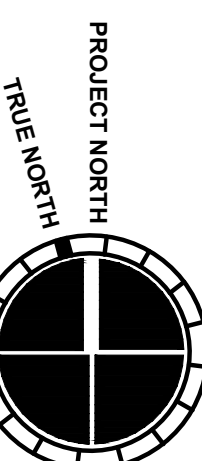
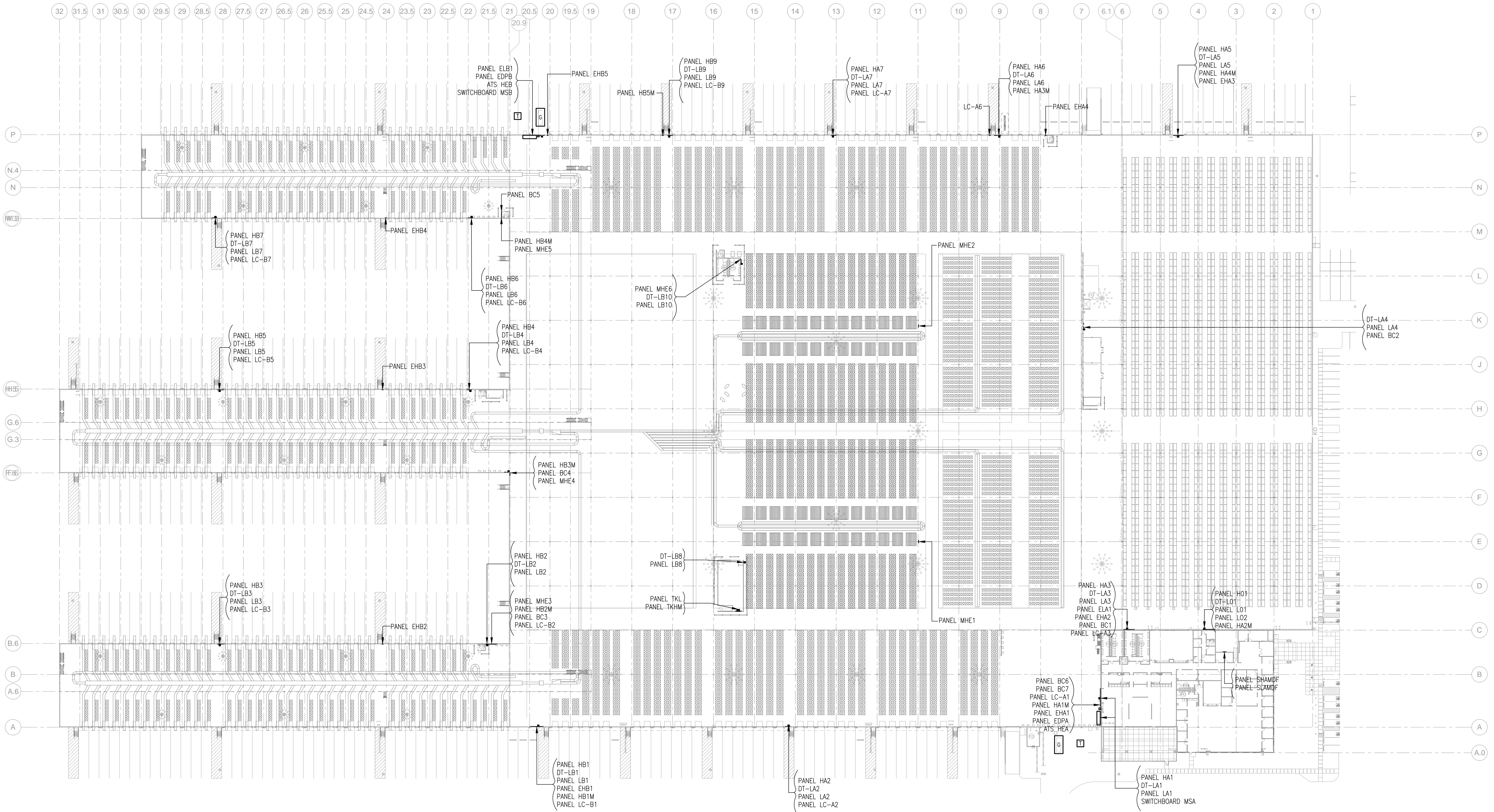
DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE
**OVERALL
FLOOR
PLAN -
POWER**

SHEET NUMBER

E-300

FOR CONSTRUCTION



E-2/307	E-2/304	E-2/305
E-2/306	E-2/303	E-2/302



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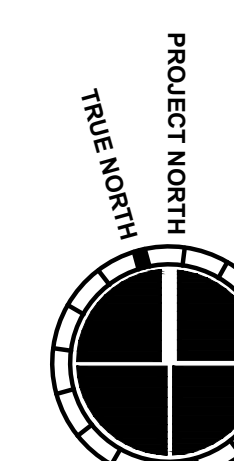
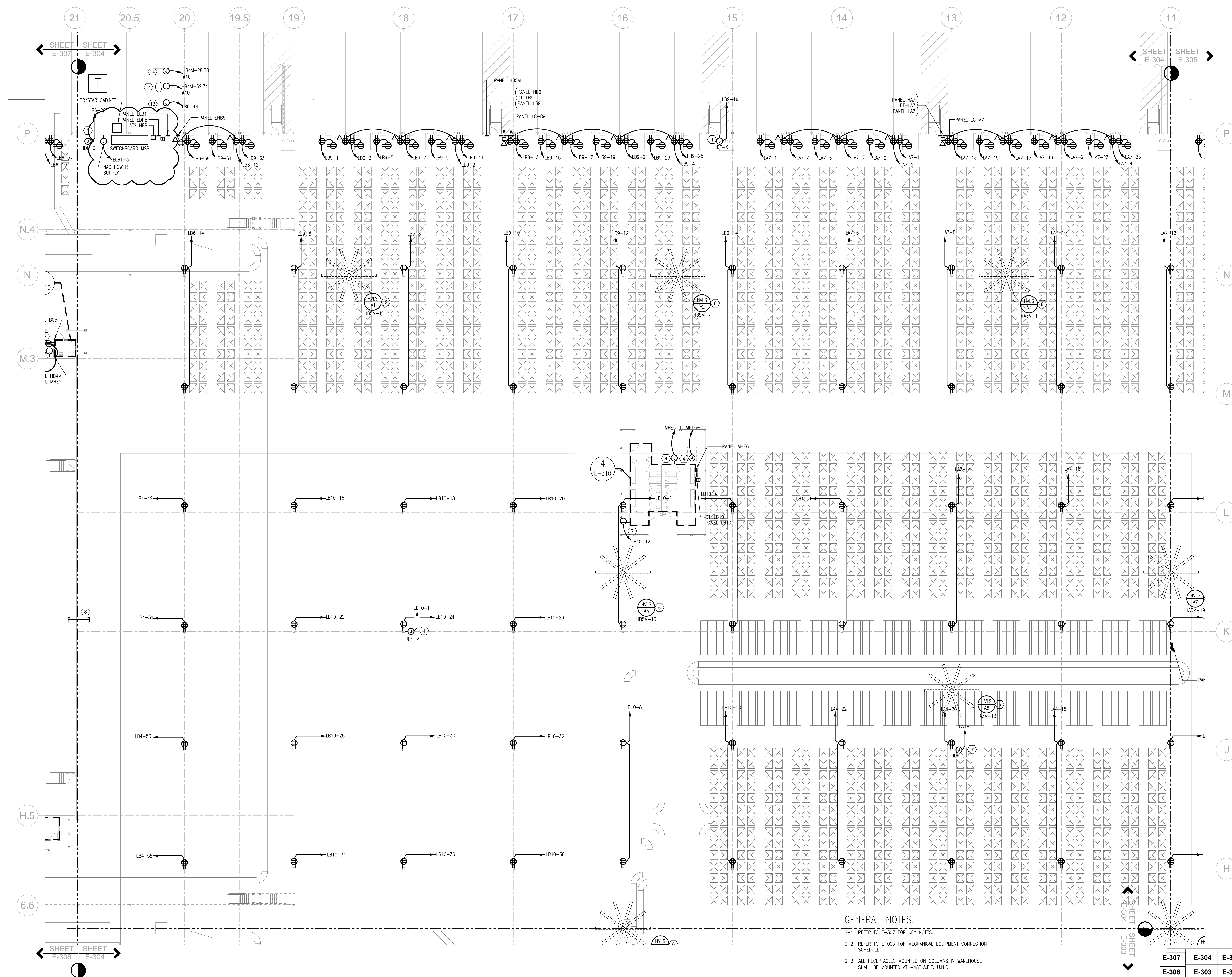
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SHEET TITLE

SHEET NUMBER

E-304

FOR CONSTRUCTION







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PRINT RECORD		
NUMBER	DATE	DESCRIPTION
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	07/03/2013	75% REVIEW
	07/31/2013	ISSUED FOR BID/PERMIT
	08/09/2013	ADDENDUM NO. 1
	08/15/2013	ADDENDUM NO. 2

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DATE	PROJECT NO
07/31/2013	2013-018

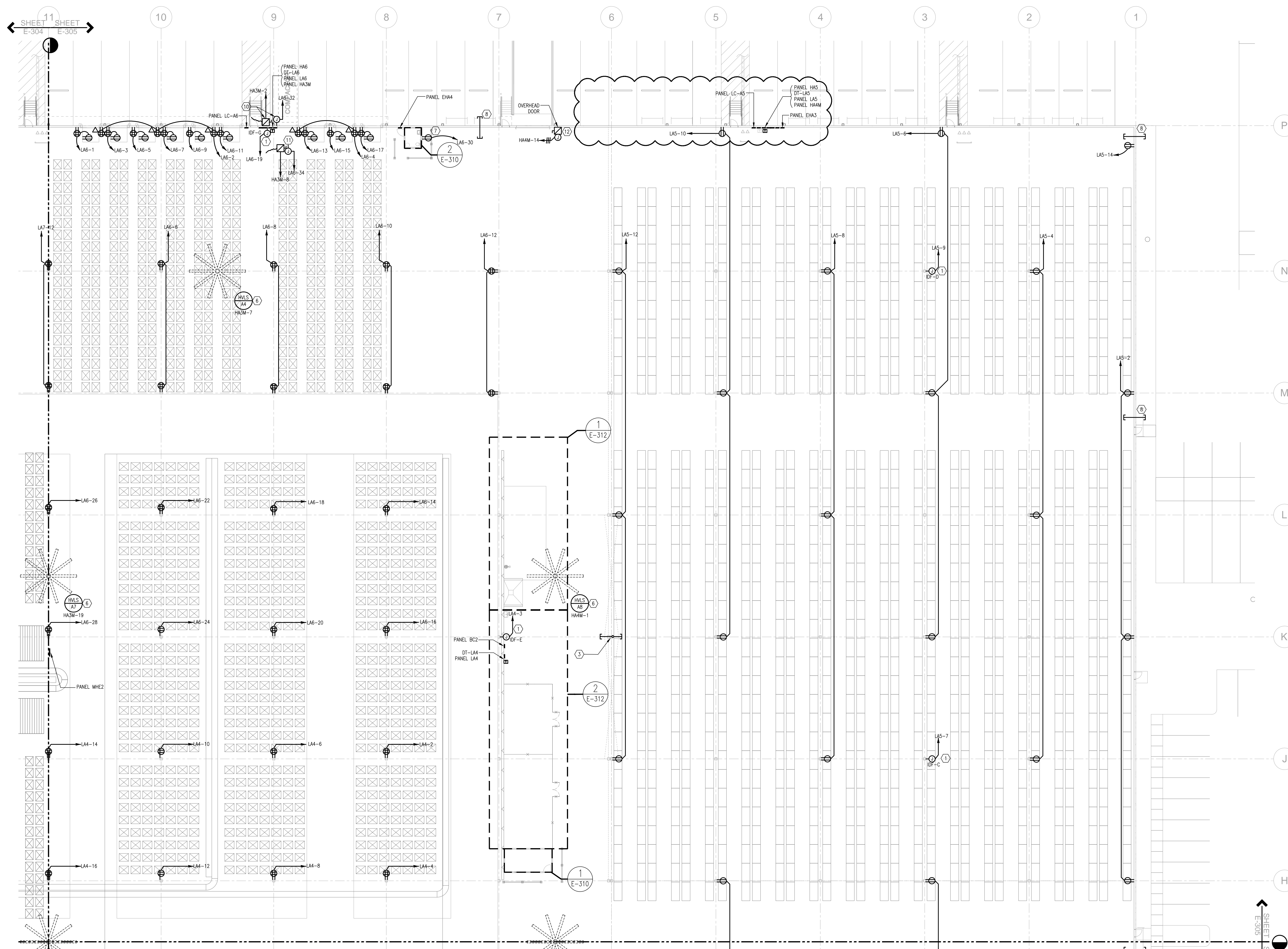
SHEET TITLE

PARTIAL FLOOR PLAN - POWER

SHEET NUMBER

E-305

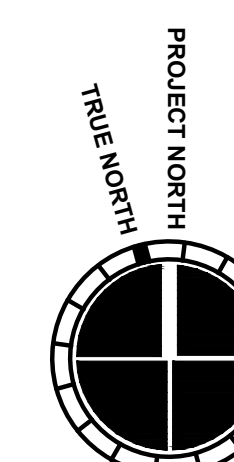
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GENERAL NOTES:

- G-1 REFER TO E-307 FOR KEY NOTES.
- G-2 REFER TO E-003 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
- G-3 ALL RECEPTACLES MOUNTED ON COLUMNS IN WAREHOUSE SHALL BE MOUNTED AT +48" A.F.F. U.N.O.
- G-4 ALL BRANCH CIRCUIT WIRING OBSERVED IN WAREHOUSE SHALL BE IN F.M.I. RACEWAY IN A NFAT WORKMANSHIP MANNER.

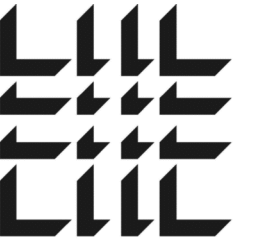
E-305 E-302



1	PARTIAL FLOOR PLAN - POWER
---	----------------------------

1/16" = 1'-0"

11/14/2013 11:33:17 AM



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PRINT RECORD		
NUMBER	DATE	DESCRIPTION
	06/20/2013	PROGRESS REVIEW
	07/08/2013	75% REVIEW
	07/10/2013	ISSUED FOR ADJUDICMENT
	08/09/2013	ADDENDUM NO. 1
	08/15/2013	ADDENDUM NO. 2

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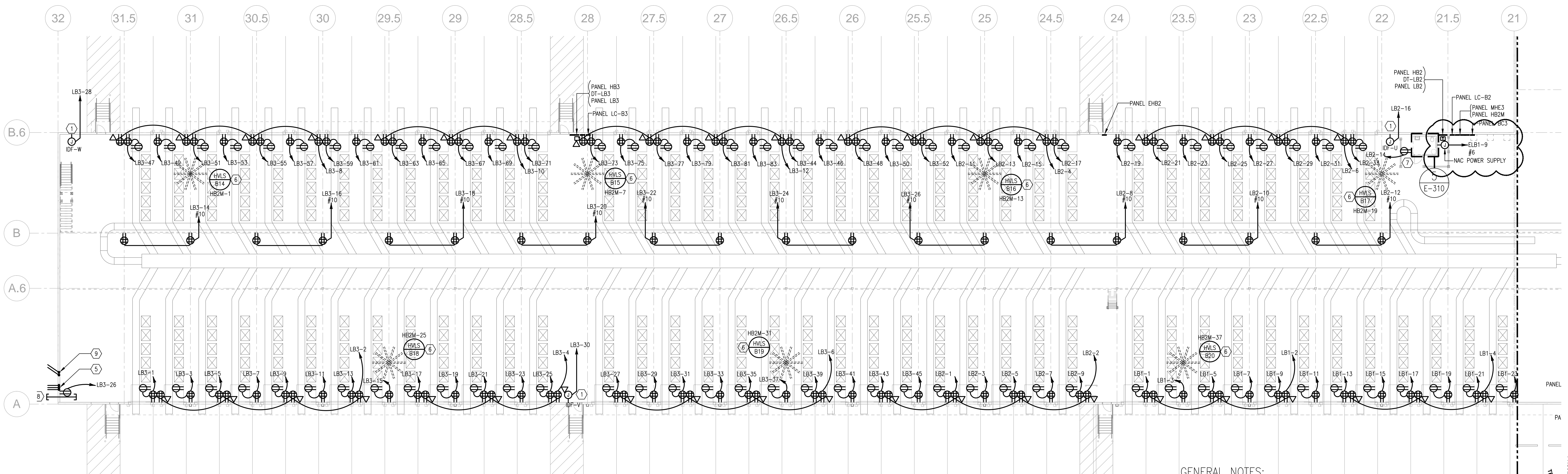
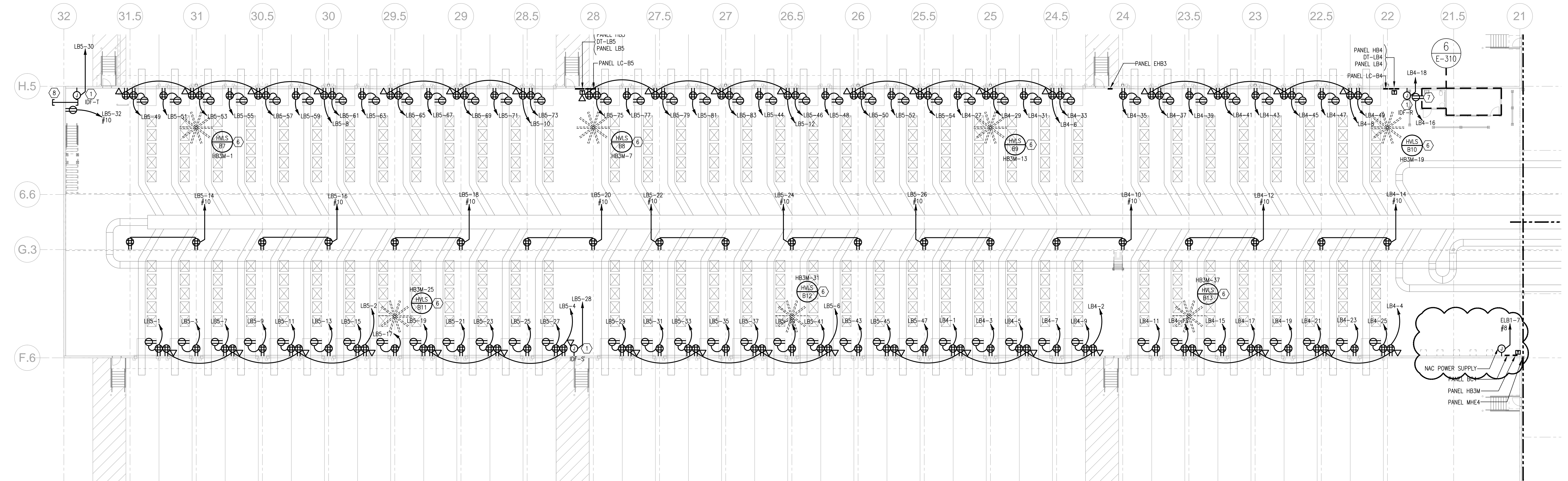
DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE
PARTIAL FLOOR PLAN - POWER

SHEET NUMBER

E-306

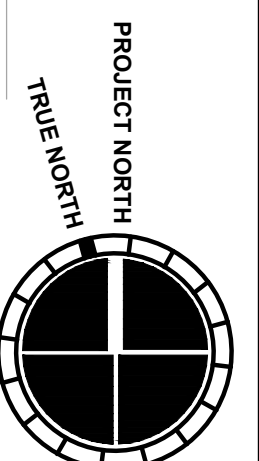
FOR CONSTRUCTION



GENERAL NOTES:

- G-1 REFER TO E-307 FOR KEY NOTES.
- G-2 REFER TO E-003 FOR MECHANICAL EQUIPMENT CONNECTION SCHEDULE.
- G-3 ALL RECEPTACLES MOUNTED ON COLUMNS IN WAREHOUSE SHALL BE MOUNTED AT +48" A.F.F. U.N.O.
- G-4 ALL BRANCH CIRCUIT WIRING EXPOSED IN WAREHOUSE SHALL BE IN EMT RACEWAY IN A NEAT WORKMANSHIP MANNER.

E-307	E-304	E-305
E-306	E-303	E-302



1 PARTIAL FLOOR PLAN - POWER

1/16" = 1'-0"

KEY NOTES:

- 1

PROVIDE A GROUND BAR AND GROUNDING IN ACCORDANCE WITH OWNER'S REQUIREMENTS. PROVIDE A #3/0(CU)-3/4" C AND CONNECT TO BUILDING GROUND SYSTEM. PROVIDE GROUNDING OF FLOOR TILE SYS. AND LADDER RACKS. REFER TO DETAIL ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.
- 2

PROVIDE EMERGENCY POWER OFF (EPO) BUTTON WITH COVER ADJACENT TO DOOR. PROVIDE (1) 3/4" CONDUIT FROM EPO TO UPS SHUNT TRIP BREAKER AND PANEL SHAMDF SHUNT TRIP BREAKER FOR INTERLOCK CONTROL. ELECTRICAL CONTRACTOR TO PROVIDE ALL LOW VOLTAGE WIRING TO COMPLETE CONNECTION. EPO SWITCH SHALL BE APC ISX, PART NUMBER EPW9. COORDINATE ALL REQUIRED CONNECTIONS WITH FIRE PROTECTION AND MECHANICAL CONTRACTORS PRIOR TO BEGINNING MDF ROOM INSTALLATION.
- 3

PROVIDE 30KVA UNINTERRUPTIBLE POWER SUPPLY. UPS SHALL BE MGE GALAXY 5000 SERIES BY APC OR APPROVED EQUAL BY LIEBERT "N" POWER SERIES. UNIT SHALL HAVE A SINGLE 480 VOLT 3 PHASE 3 WIRE PLUS GROUND INPUT AND 208/120 VOLT 3 PHASE 4 WIRE PLUS GROUND OUTPUT. THIS SHOULD INCLUDE A SEPARATE BATTERY CABINET(S) AS PART OF THE LINE-UP AND BATTERIES SUFFICIENT FOR 10 MINUTES OF FULL LOAD RUNTIME. THE FOLLOWING SHALL BE INCLUDED AT A MINIMUM.

1

OM-ESTU40K30G MGE GALAXY 5000 40/30KVA 480V

2

OM-ESTG0PT034 MGE GALAXY 5000 30 KVA SM 480V

3

OM-ESTH6K30GADJ65 MGE GALAXY 5000 20-30KVA ADJMB 480 65KA

4

1 OM-ESTH0PT033 MGE GALAXY 5000 480V CABL 65KA 100-130K

5

1 OM-ESTH0PT003 MGE GALAXY 5000 20-30KVA W/LD ISO 208V

6

1 OM-ESTP0UF42 MGE GALAXY 5000 208V ADJ DIST CABINET

7

1 OM-ESTP0UF0PT001 SQUARE D PANELBOARD A DISTRIBUTION

8

1 OM-ESTP0UF0PT002 SQUARE D PANELBOARD B DISTRIBUTION

9

1 OM-ESTB300ADJ MGE GALAXY 5000 ADJ BAT CABINET TYPE 300

10

4 OM-ESTES061 MGE GALAXY 5000 BAT SHELF UPS12-300MR 32

11

1 OM-ESTB0PT001 MGE GALAXY 5000 ADJ BAT TEMP SENSOR

12

1 66846 MGE ENVIRONMENT SENSOR FOR NETWORK MANAGEMENT CABLE

13

1 66074 MGE SNMP/WEB CARD

14

1 WSTRUP-05-81 START-UP SERVICE FOR (1) GALAXY 5000 40 TO 30 KVA UPS

- SUBMIT PRODUCT DATA SHOWING MATERIAL PROPOSED. SUBMIT SUFFICIENT INFORMATION TO DETERMINE COMPLIANCE WITH THE DRAWINGS AND SPECIFICATIONS. PRODUCT DATA SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, THE FOLLOWING:
- 1

CATALOG SHEETS AND TECHNICAL DATA SHEETS TO INDICATE PHYSICAL DATA AND ELECTRICAL PERFORMANCE, ELECTRICAL CHARACTERISTICS, AND CONNECTION REQUIREMENTS.
- 2

MANUFACTURER'S INSTALLATION INSTRUCTIONS INDICATING APPLICATION CONDITIONS AND LIMITATIONS OF USE STIPULATED BY PRODUCT INSPECTING AND TESTING AGENCY. INCLUDE INSTRUCTIONS FOR STORAGE, HANDLING, PROTECTION, EXAMINATION, PREPARATION, INSTALLATION, AND STARTING OF THE PRODUCT. INCLUDE EQUIPMENT INSTALLATION OUTLINE, CONNECTION DIAGRAM FOR EXTERNAL CABLING, INTERNAL WIRING DIAGRAM, AND WRITTEN INSTRUCTION FOR INSTALLATION.
- 3

SUBMIT SHOP DRAWINGS FOR EACH PRODUCT AND ACCESSORY REQUIRED. INCLUDE INFORMATION NOT FULLY DETAILED IN MANUFACTURER'S STANDARD PRODUCT DATA, INCLUDING, BUT NOT LIMITED TO, COMPLETE ELECTRICAL CHARACTERISTICS AND CONNECTION REQUIREMENTS. PROVIDE DETAILED EQUIPMENT OUTLINES WITH CABINET DIMENSIONS AND SPACING REQUIREMENTS; LOCATION OF CONDUIT ENTRY/EXIT PATHS; LOCATION OF FLOOR/SEISMIC MOUNTING; AVAILABLE BATTERY TYPES/SIZES; CABINET WEIGHTS; HEAT REJECTION AND AIR FLOW REQUIREMENTS; SINGLE-LINE DIAGRAM; AND CONTROL AND EXTERNAL WIRING.
- 4

SUBMIT WIRING DIAGRAMS DETAILING POWER, SIGNAL, AND CONTROL SYSTEMS. CLEARLY DIFFERENTIATING BETWEEN MANUFACTURER-INSTALLED WIRING AND FIELD-INSTALLED WIRING, AND BETWEEN COMPONENTS PROVIDED BY THE MANUFACTURER AND THOSE PROVIDED BY OTHERS.
- 5

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT AND APPROVED BY ENGINEER AND TENANT PRIOR TO ORDERING OF ANY EQUIPMENT AND ACCESSORIES.
- 6

PROVIDE (1) 3/4" CONDUIT FROM THE FIRE SPRINKLER MONITOR PANEL TO UPS AND PANEL SHAMDF SHUNT TRIP BREAKERS FOR INTERLOCK CONTROL. ELECTRICAL CONTRACTOR TO PROVIDE ALL LOW VOLTAGE WIRING FOR COMPLETE CONNECTION.

GENERAL NOTES:

- G-1

MDF ROOM SHALL HAVE ALL WALLS COVERED WITH 3/4" PLYWOOD, FROM 24" AFF TO CEILING, PAINTED TO MATCH WALLS.
- G-2

ALL BRANCH CIRCUIT WIRING TO 30A DEVICES SHALL BE #10 CONDUCTOR MINIMUM.
- G-3

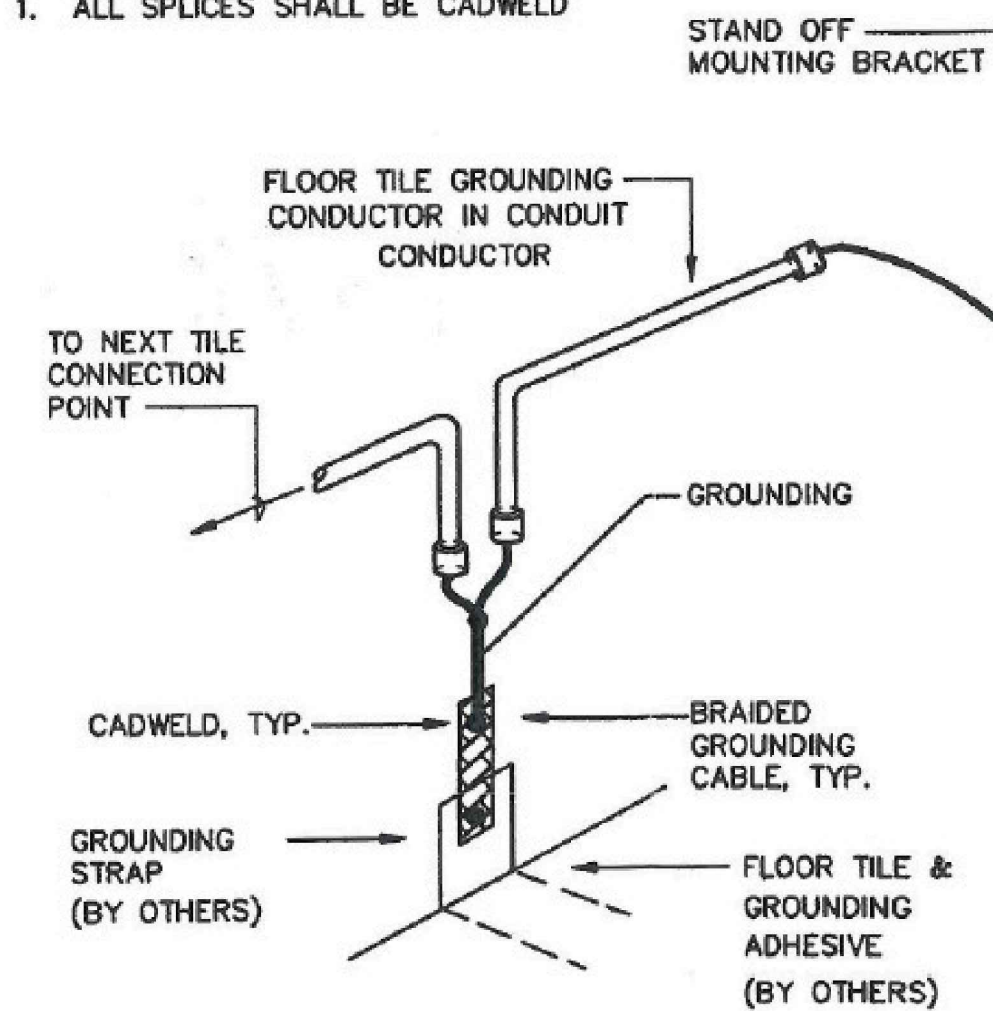
DEVICES MOUNTED INTO AND CABLING RUN BELOW THE FLOOR SHALL BE COMPLIANCE WITH NEC 645.

CONDUCTIVE TILE GROUNDING. PROVIDE #10 BARE COPPER GROUND WIRE IN 1/2" CONDUIT FROM CONDUCTIVE TILE CONNECTION POINTS TO GROUND BAR.

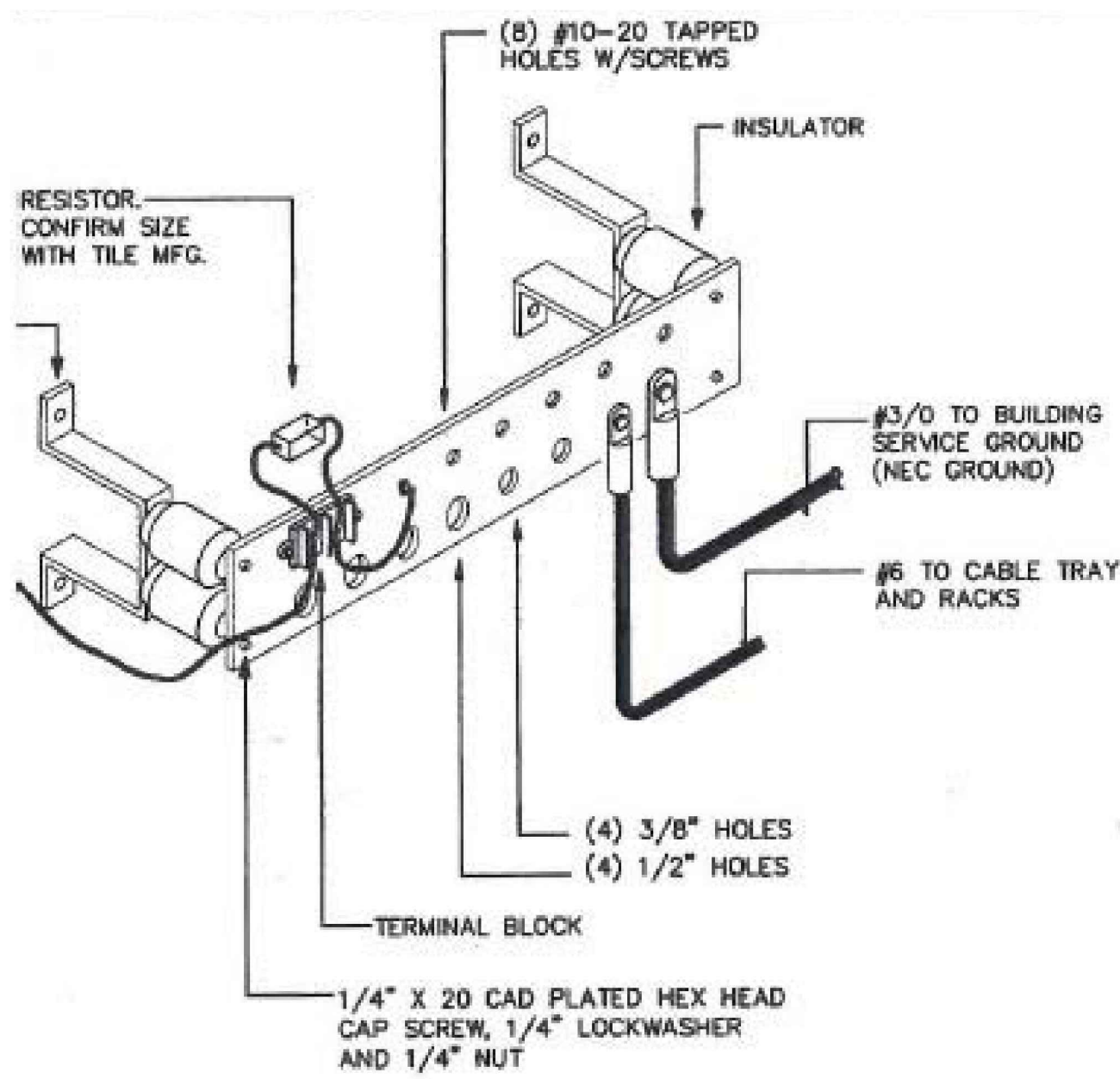
NOTES:

- 1

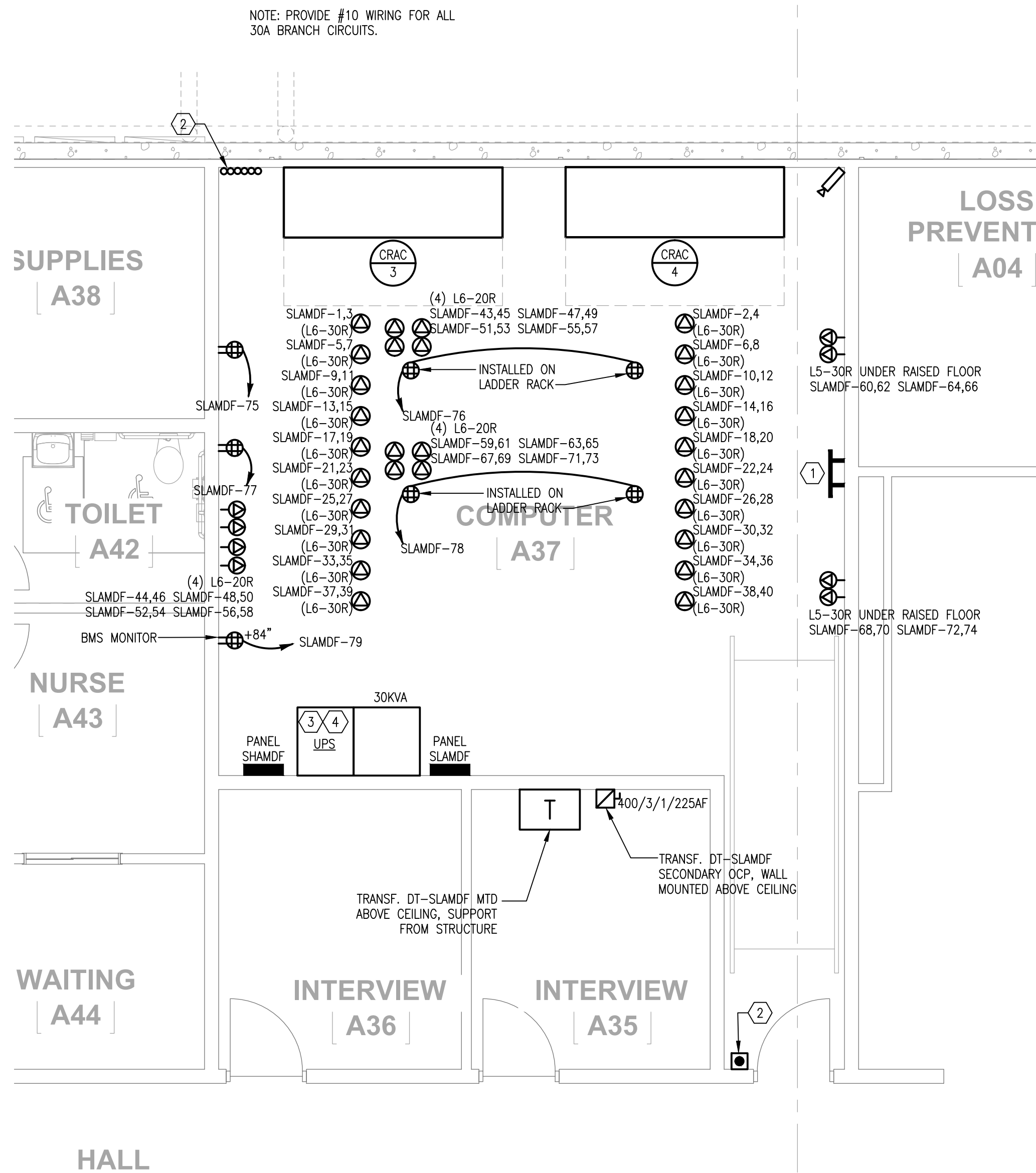
ALL SPLICES SHALL BE CADWELD



TYPICAL CONDUCTIVE TILE CONNECTION POINT



MASTER GROUND BAR FOR CONDUCTIVE FLOOR TILES

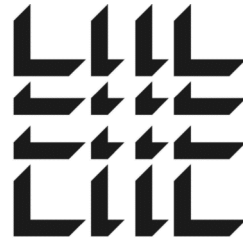


2 MDF GROUNDING DETAIL

NO SCALE

1 COMPUTER ROOM A37 - POWER

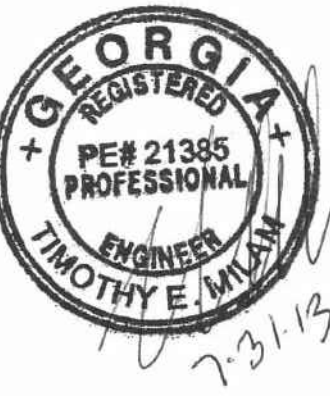
1/4" = 1'-0"



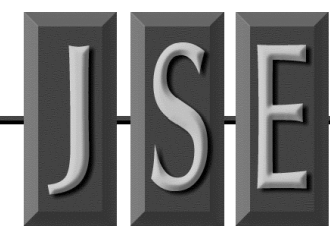
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DATE	PROJECT NO
07/31/2013	2013-018

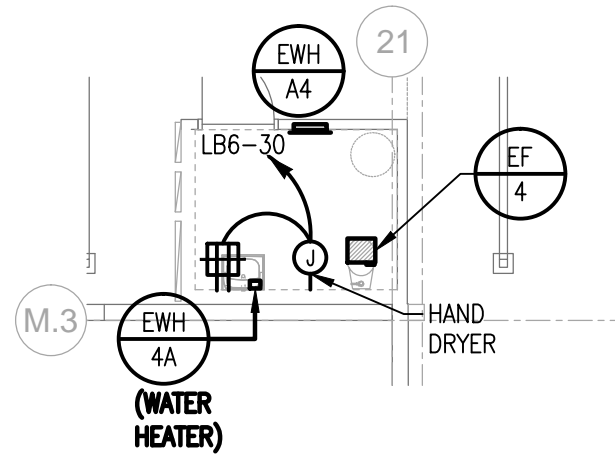
SHEET TITLE

COMPUTER ROOM FLOOR PLAN - POWER

SHEET NUMBER

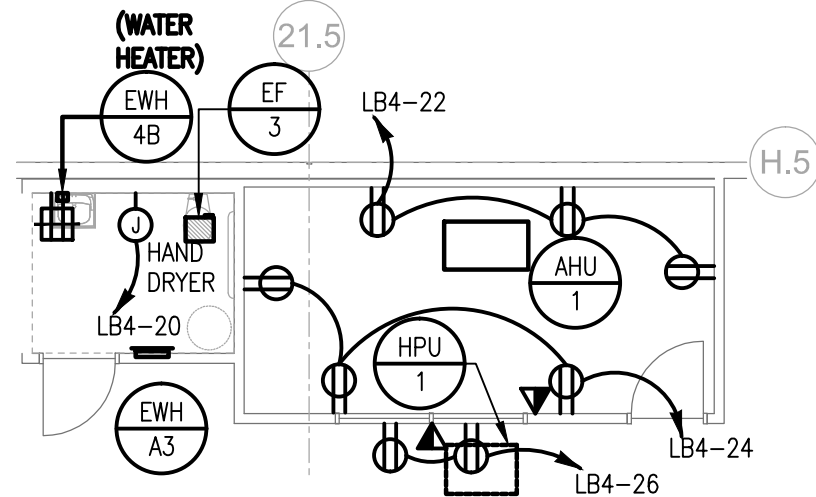
E-309

FOR CONSTRUCTION



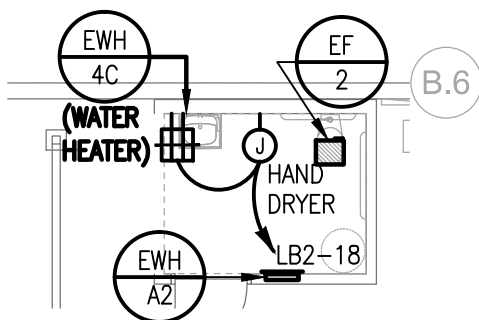
7 PARTIAL PLAN - TOILET H01 - POWER

1/8" = 1'-0"



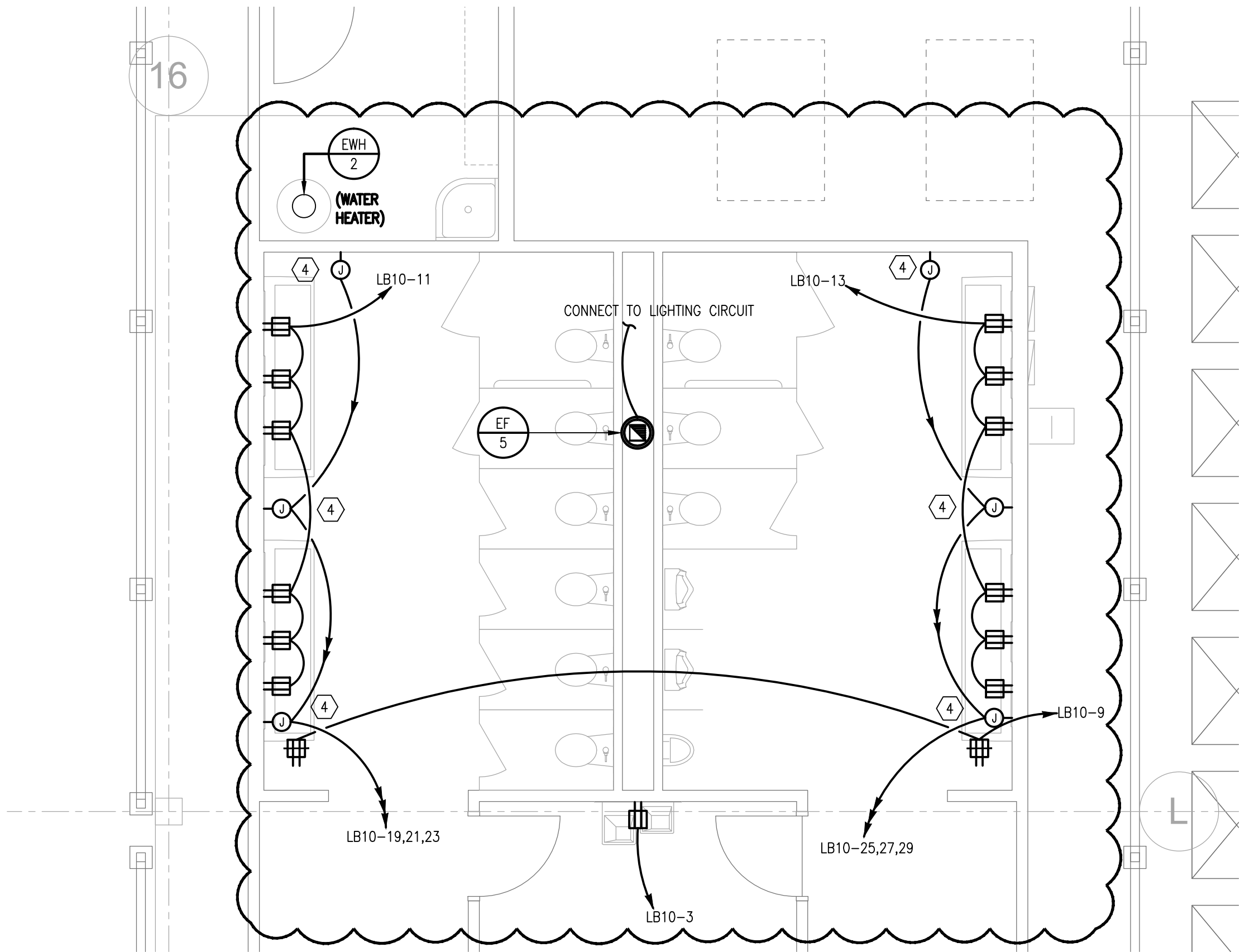
6 PARTIAL PLAN - SHIPPING OFFICE + TOILET - POWER

1/8" = 1'-0"



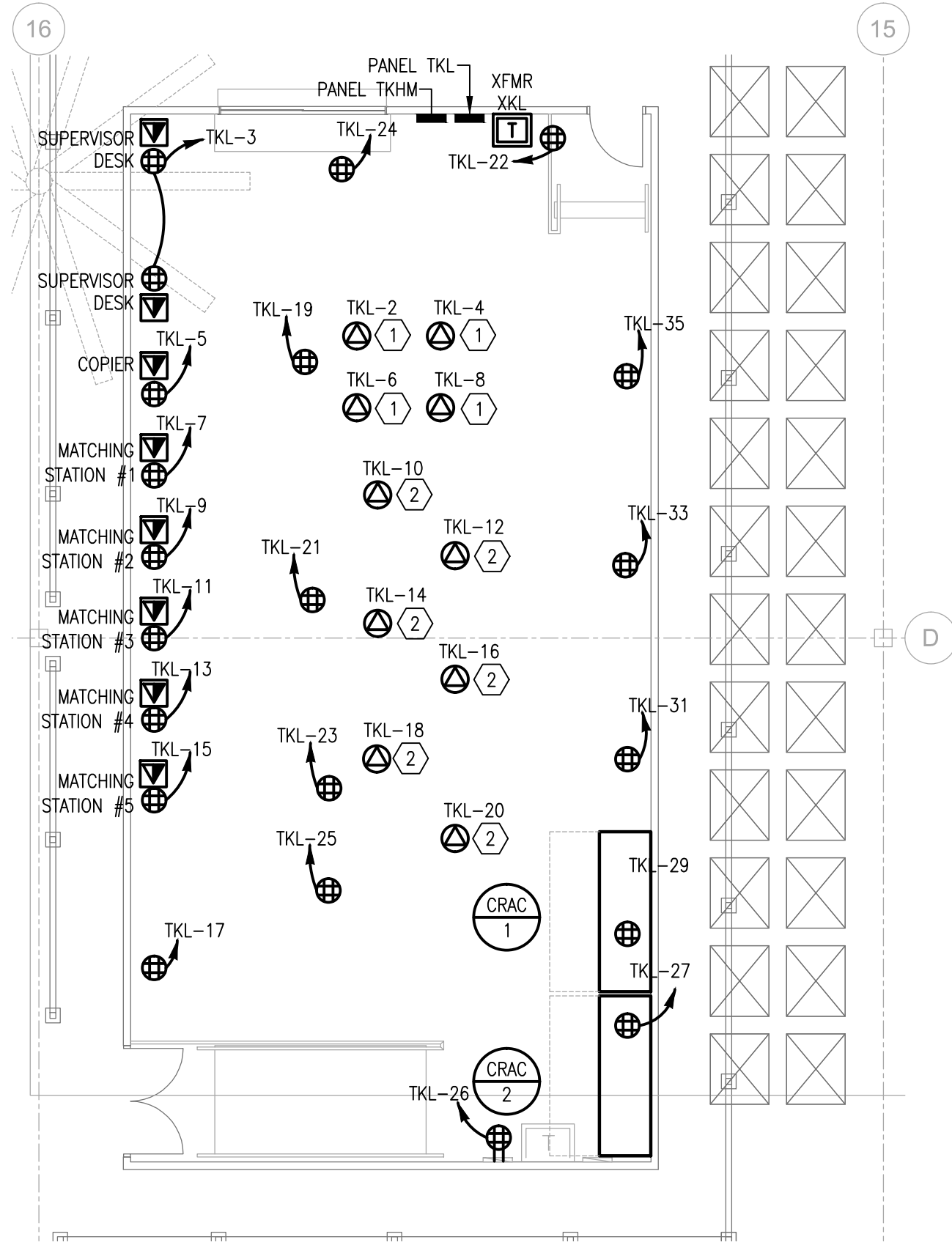
5 PARTIAL PLAN - TOILET F01 - POWER

1/8" = 1'-0"



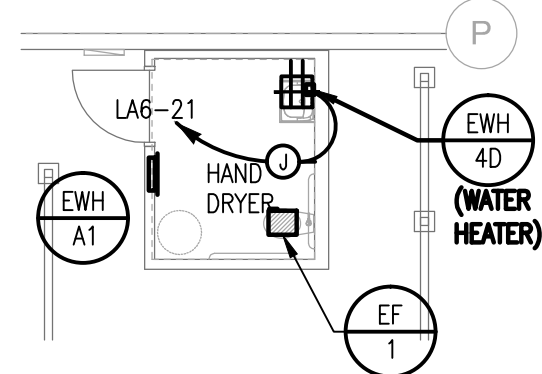
4 PARTIAL PLAN - RESTROOMS- POWER

1/4" = 1'-0"



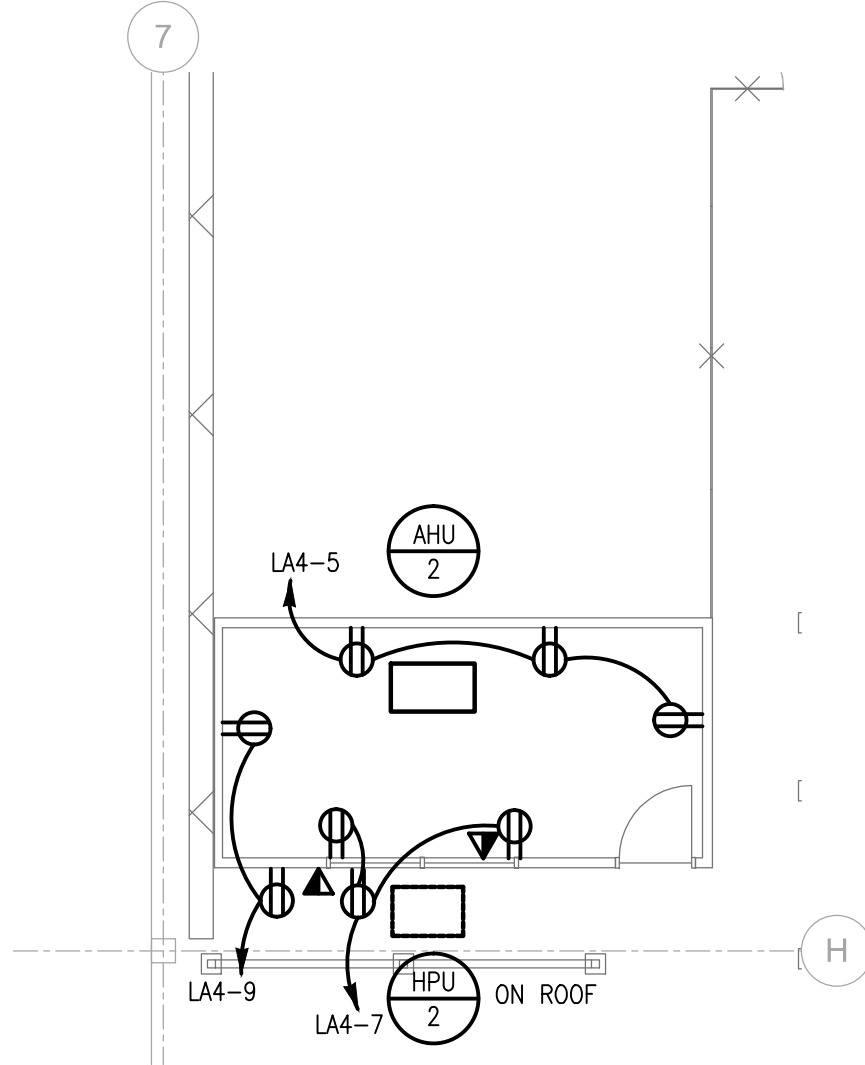
3 PARTIAL PLAN - TICKET ROOM - POWER

1/8" = 1'-0"



2 PARTIAL PLAN - TOILET C01 - POWER

1/8" = 1'-0"



1 PARTIAL PLAN - RECEIVING OFFICE - POWER

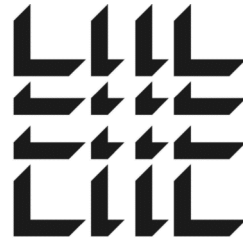
1/8" = 1'-0"

KEY NOTES:

- 1 PROVIDE DEDICATED L6-30R CEILING MOUNTED RECEPTACLE. PROVIDE #10 BRANCH CIRCUIT WIRING.
- 2 PROVIDE DEDICATED 6-20R CEILING MOUNTED RECEPTACLE.
- 3 PROVIDE 120V POWER FOR AUTOMATIC FLUSH VALVES. COORDINATE WITH PLUMBING CONTRACTOR.
- 4 PROVIDE JUNCTION BOX FOR 120V CONNECTION TO HAND DRYER.

GENERAL NOTES:

- G-1 ALL RECEPTACLES ARE MOUNTED BELOW RAISED FLOOR UNLESS OTHERWISE NOTED.
- G-2 ALL RECEPTACLES TO BE PROVIDED WITH 6FT FLEXIBLE WHIP FOR FINAL LOCATION COORDINATION.
- G-3 ALL WIRING IN RAISED FLOOR TO BE LIQUID-TIGHT FLEXIBLE CONDUIT SUITABLE FOR RAISED FLOOR ENVIRONMENTS.



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07/02/2013	07/02/2013	75% REVIEW
07/02/2013	07/02/2013	ISSUED FOR BIDDING/MT
08/09/2013	08/09/2013	ADDENDUM NO. 1

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DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE

WAREHOUSE
OFFICES AND
RESTROOMS
FLOOR PLANS -
POWER

SHEET NUMBER

E-310

FOR CONSTRUCTION

8	600	-	3	PANEL MHE2	0.0	0.0	100.0	0.0	0.0	0.0
	TIME	DELAY	RELAY	-	0.0	0.0	100.0	0.0	0.0	0.0
	-	-	-	-	0.0	0.0	100.0	0.0	0.0	0.0

[illegible]

RECEPTACLES (KVA):	0.0					DEMAND LOAD (KVA):	279.4
MOTORS (KVA):	0.0	PHASE A	#8	336.2			
A/C (KVA):	0.0	PHASE B	#8	336.2		CONNECTED LOAD (AMPS):	336.0
HEATING (KVA):	0.0		#8	336.2		DEMAND LOAD (AMPS):	336.0
KITCHEN (KVA):	0.0		KVA	AMPS			
MISCELLANEOUS (KVA):	279.4					AMPACITY REQUIRED:	336.0
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD-EQUIPPED WITH A MANUALLY OPERATED HANDLE-TIE DEVICE TO ENSURE THAT ALL UNGROUNDED CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.							

[illegible]

WATER (KVA):	0.0	WVA	200.0	AMPCITY REQUIRED:	25.6
MISCELLANEOUS (KVA):	0.0				

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD-EQUIPPED WITH A MANUALLY OPERATED HANDLE-TYPE DEVICE TO ENSURE THAT ALL UNGROUNDED CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.

LIGHTING (KVA):	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.5		0.0	0.0	0.0	0.0	0.0	0.0	37.8	CONNECTED LOAD (KVA):	108.3
RECEPTACLES (KVA):	0.0																DEMAND LOAD (KVA):	108.3
MOTORS (KVA):	0.0							PHASE A	36	130.3								
A/C (KVA):	0.0							PHASE B	36	130.3							CONNECTED LOAD (AMPS):	130.3
HEATING (KVA):	0.0							PHASE C	36	130.3							DEMAND LOAD (AMPS):	130.3
KITCHEN (KVA)	0.0								KVA	AMP								
MISCELLANEOUS (KVA):	108.3																CAPACITY REQUIRED:	130.3

NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD EQUIPPED WITH A MANUALLY OPERATED HANDLE-TO DEVICE TO ENSURE THAT ALL UNGROUNDED CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.

[illegible]

MSA	BC1	BC2
	BC6	BC7
EDPA	EHA1	





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	08/15/2013	ADDENDUM NO. 2

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DATE	PROJECT NO
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SHEET TITLE

ELECTRICAL PANEL SCHEDULES

SHEET NUMBER

E-601

FOR CONSTRUCTION

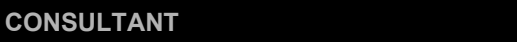
PANELBOARD SCHEDULE - "EHA2"																													
MAIN: 100A MLO			VOLTAGE: 480/277										PHASES: 3					WIRE: 4					MOUNTING: SURFACE					AID: 7, 2/14	
CKT #	POLE	DESCRIPTION	LOAD (KVA)										LOAD (KVA)										TRIP	POLE	CKT #				
			LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC										
1	20/2	EMER LTG - WAREHOUSE	3.1										0.3										EMER LTG - EXIT SIGNS	20/1	2				
3	--	----	3.1										1.4										EMER LTG - OFFICE	20/1	3				
5	20/2	EMER LTG - WAREHOUSE	2.9										1.5										EMER LTG - OFFICE	20/1	4				
7																							SPARE	20/1	5				
9		SPACE																					SPARE	20/1	10				
11		SPACE																					SPARE	20/1	12				
13		SPACE																					SPARE	20/1	14				
15		SPACE																					SPACE		16				
17		SPACE																					SPACE		18				
19		SPACE																					SPACE		20				
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29		SPACE																					SPACE		30				
31		SPACE																					SPACE		32				
33		SPACE																					SPACE		34				
35		SPACE																					SPACE		36				
37		SPACE																					SPACE		38				
39		SPACE																					SPACE		40				
41		SPACE																					SPACE		42				
LIGHTING (KVA):			15.2	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):			15.2					
RECEPTACLES (KVA):			0.0																		DEMAND LOAD (KVA):			15.2					
MOTORS (KVA):			0.0										PHASE A	6	22.7	CONNECTED LOAD (AMPS):			18.3			DEMAND LOAD (AMPS):			18.3				
A/C (KVA):			0.0									PHASE B	4	16.2	CONNECTED LOAD (AMPS):			18.3			DEMAND LOAD (AMPS):			18.3					
HEATING (KVA):			0.0									PHASE C	4	16.0	CONNECTED LOAD (AMPS):			18.3			DEMAND LOAD (AMPS):			18.3					
KITCHEN (KVA):			0.0										KVA	AMPS											AMPACITY REQUIRED:			22.8	
MISCELLANEOUS (KVA):			0.0																										
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD-EQUIPPED WITH A MANUALLY OPERATED HANDLE-TIE DEVICE TO ENSURE THAT ALL UNGROUNDED CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.																													

FUSIBLE COORDINATION PANELBOARD SCHEDULE - "ELA1"																													
MAIN: 50A MF					VOLTAGE: 208/120					PHASE: 3					WIRE: 4					MOUNTING: SURFACE					IAC: 640				
CRK #	POLE	DESCRIPTION	LOAD (KVA)					PHASE					LOAD (KVA)					DESCRIPTION					FUSE	POLE	CRK #				
			LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC										
1	20/1	FIRE ALARM						0.5												SPACE		20/1	2						
3	20/1	NAC POWER SUPPLY (A-7)						0.5												SPACE		20/1	4						
5	20/1	NAC POWER SUPPLY (C-4)						0.5												SPACE		20/1	6						
7		SPACE																		SPACE			8						
9		SPACE																		SPACE			10						
11		SPACE																		SPACE			12						
13		SPACE																		SPACE			14						
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27		SPACE																		SPACE			28						
29		SPACE																		SPACE			30						
LIGHTING (KVA):			0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5			0.0	0.0	0.0	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):			1.5						
RECEPTACLES (KVA):			0.0																	DEMAND LOAD (KVA):			1.5						
MOTORS (KVA):			0.0							PHASE A	1	4.2	CONNECTED LOAD (AMPS):			4.2				DEMAND LOAD (AMPS):			4.2						
A/C (KVA):			0.0							PHASE B	1	4.2	CONNECTED LOAD (AMPS):			4.2				DEMAND LOAD (AMPS):			4.2						
HEATING (KVA):			0.0							PHASE C	1	4.2	CONNECTED LOAD (AMPS):			4.2				DEMAND LOAD (AMPS):			4.2						
KITCHEN (KVA):			0.0							KVA	AMPS		IMPACTY REQUIRED:			4.2													
MISCELLANEOUS (KVA):			1.5																										
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD-EQUIPPED WITH A MANUALLY OPERATED HANDLE-TIE DEVICE TO ENSURE THAT ALL UNGROUNDED CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.																													

PANELBOARD SCHEDULE - "HA3M"																																																	
MAIN: 800A MLO			VOLTAGE: 480/277							PHASE: 3							WIRE: 4			MOUNTING: SURFACE			IAC: 12500																										
CRK	TRIP	DESCRIPTION	LOAD (KVA)							PHASE							LOAD (KVA)							DESCRIPTION		TRIP	CRK																						
#	#		LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC				#	#																									
1	15/3	HVLS-A3				0.9										7.5							TRASH COMPACTOR (20HP)	50/3	2																								
3	---	---				0.9										7.5							---	4																									
5	---	---				0.9										7.5							---	6																									
7	15/3	HVLS-A4				0.9										34.4							BALER (1000P)	200/3	8																								
9	---	---				0.9										34.4							---	10																									
11	---	---				0.9										34.4							---	12																									
13	15/3	HVLS-A6				0.9										3.0							RTU-A1 (WALL HEATER)	20/1	14																								
15	---	---				0.9										10.3							EWI-B7	45/3	16																								
17	---	---				0.9										10.3							---	18																									
19	15/3	HVLS-A7				0.9										10.3							---	20																									
21	---	---				0.9										10.3							RTU-B13	45/3	22																								
23	---	---				0.9										10.3							---	24																									
25	15/3	HVLS-A10				0.9										10.3							---	26																									
27	---	---				0.9										10.3							RTU-B14	45/3	28																								
29	---	---				0.9										10.3							---	30																									
31	45/3	RTU-B5				0.0										10.3							---	32																									
33	---	---				0.0										10.3							RTU-B15	45/3	34																								
35	---	---				0.0										10.3							---	36																									
37	45/3	RTU-B6				0.0										10.3							---	38																									
39	---	---				0.0										10.3							SPACE	---	40																								
41	---	---				0.0										10.3							SPACE	---	42																								
SECTION 2																									SECTION 2																								
43	SPACE																							SPARE	20/1	44																							
45	SPACE																							SPARE	20/1	46																							
47	SPACE																							SPARE	20/1	48																							
49	SPACE																							SPARE	20/1	50																							
51	SPACE																							SPARE	20/1	52																							
53	SPACE																							SPARE	20/1	54																							
55	SPACE																							SPACE	---	56																							
57	SPACE																							SPACE	---	58																							
59	SPACE																							SPACE	---	60																							
61	SPACE																							SPACE	---	62																							
LIGHTING (KVA):			0.0	0.0	0.0	75.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	288.5	0.0	3.0	0.0	0.0	0.0	0.0	CONNECTED LOAD (KVA):			227.1																							
RECEPTACLES (KVA):			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	DEMAND LOAD (KVA):			227.1																							
MOTORS (KVA):			226.1													PHASE A	111	400.9						CONNECTED LOAD (AMPS):			393.5																						
A/C (KVA):			0.0													PHASE B	108	390.0						DEMAND LOAD (AMPS):			393.5																						
HEATING (KVA):			3.0													PHASE C	108	390.0																															
KITCHEN (KVA):			0.0													KVA	AMPS																																
INCIDENTAL (KVA):			0.0																					CAPACITY REQUIRED:			393.5																						
NOTES: BREAKERS PROTECTING MULTI-WIRE BRANCH CIRCUITS SHALL BE FIELD EQUIPPED WITH A MANUALLY OPERATED HANDLE-TIE DEVICE TO ENSURE THAT ALL UNGROUNDING CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.																																																	



SEAL



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PROJECT INFORMATION

125 LOGISTICS CENTER PARKWAY
JEFFERSON, GEORGIA 30549

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SHEET TITLE

SHEET NUMBER

FOR CONSTRUCTION

PANELBOARD SCHEDULE - "H01"																			
MAIN: 25A MLO				VOLTAGE: 380/277								PHASE 3: WIRE 4				MOUNTING SURFACE			
CKT #	TRIP	DESCRIPTION	LTG	LOAD (KVA)								PHASE	LOAD (KVA)				DESCRIPTION	TRIP	CMT
				REC	MTR	A/C	H/TG	KIT	MISC	A	B		REC	MTR	A/C	H/TG			
1	20/1	LTG. OFFICE BEST ROOM	2.9														SPACE	20/1	
3	20/1	LTG. OFFICE HALL	2.0														SPACE	20/1	
5	20/1	LTG. OFFICE TRAINING RM	2.3														SPACE	20/1	6
7	20/1	LTG. OFFICE	2.0														SPACE	20/1	8
9	20/1	LTG. OFFICE OPEN	2.8														SPACE		10
11	20/1	LTG. OFFICE	1.8														SPACE		12
13	20/1	LTG. OFFICE BREAKROOM	3.0														SPACE		14
15		SPACE															SPACE		16
17		SPACE															SPACE		18
19		SPACE															SPACE		20
21		SPACE															SPACE		22
23		SPACE															SPACE		24
25		SPACE															SPACE		26
27		SPACE															SPACE		28
29		SPACE															SPACE		30
31		SPACE								0.6	11.0	3.9	0.0	0.0	0.0	8.5	DT-101		32
33		SPACE								0.6	11.5	4.8	0.0	0.0	0.0	7.9			125/3
35		SPACE								0.0	12.2	3.6	0.0	0.0	0.0	11.4			36
37		SPACE								0.0	18.3	1.5	0.0	0.0	0.0	4.5	DT-102		125/3
39		SPACE								0.0	20.5	0.0	0.0	0.0	0.0	5.0			40
41		SPACE								0.8	0.8	20.5	0.5	0.0	0.0	5.5			42
		LIGHTING (KVA):	18.7	16.7	0.0	0.0	0.0	0.0	0.0	2.0	94.1	34.1	0.0	0.0	0.0	42.8	CONNECTED LOAD (KVA):		169.7
		RECEPTABLES (KVA):	94.1														DEMAND LOAD (KVA):		127.7
		MOTORS (KVA):	14.1							PHASE A	36	202.5					CONNECTED LOAD (AMPS):		204.1
		A/C (KVA):	0.0							PHASE B	55	198.3					DEMAND LOAD (AMPS):		153.5
		HEATING (KVA):	0.0							PHASE C	59	211.9							
		KITCHEN (KVA):	0.0							AMPS									
		NON-CLASSICUS (KVA):	45.8														AMPS REQUIRED:		159.2

NOTES: BRACKETS INDICATING MULTIPLE WIRE BRANCH CIRCUITS SHALL BE FIELD EQUIPPED WITH A MANUALLY OPERATED HANDLE TO THE DEVICE TO ENSURE THAT ALL UNDESIRABLE CONNECTIONS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 2

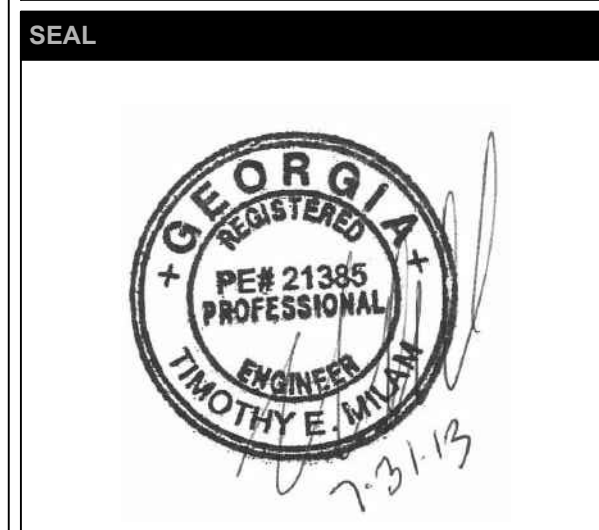
PANELBOARD SPECIFICATION - "L1"																			
MAIN, 150A 120V 1MGB			1 VOL. RGE. 200-210V				PHASE 3: WIRE 4:				MOUNTING: SURFACE		AIRC. 2194						
CKT #	TRIP	POLE	DESCRIPTION	LOAD (KVA)				PHASE				LOAD (KVA)							
				LTG	REC	MTR	A/C	HTG	KIT	MISC	A/C	HTG	KIT	MISC	DESCRIPTION	TRIP	POLE		
1	20/1		RECEPT. DOCK LEVELER	0.7	0.7			1.1						RECEPT. DOCK GUARDS	20/1	2			
3	20/1		RECEPT. DOCK LEVELER	0.7	0.7			0.7						RECEPT. DOOR GUARDS	20/1	3			
5	20/1		RECEPT. DOCK LEVELER	0.7	0.7			0.7						RECEPT. WAREHOUSE	20/1	4			
7	20/1		RECEPT. DOCK LEVELER	0.7	0.7			0.7						RECEPT. WAREHOUSE	20/1	5			
9	20/1		RECEPT. DOCK LEVELER	0.7	0.7			0.7						RECEPT. WAREHOUSE	20/1	6			
11	20/1		RECEPT. DOCK LEVELER	0.7	0.7			0.7						RECEPT. WAREHOUSE	20/1	7			
13	20/1		RECEPT. DOCK LEVELER	0.7	0.7			0.7					1.0	DETL. ALARM COMMUN. XMTR	20/1	8			
15	20/1		SPARE											RECEPT. WAREHOUSE	20/1	14			
17	20/1		SPARE							0.8				EXTERIOR SDRNGE	20/1	15			
19	20/1		SPARE							1.1				EXTERIOR RECEPT POLES	20/1	16			
21	20/1		IDF-H				0.5						1.0	JOCKEY PUMP CONTROLLER	20/1	22			
23	20/1		EF-B4				0.7						1.0	F/A ANNUNCIATOR PANEL	20/1	24			
25	20/1		EF-B4				0.7							RECEIVE FIRE PUMP ROOM	20/1	26			
27	20/1		RECEPT. WAREHOUSE	0.4	0.7					0.2				W/UP FIRE PUMP ROOM	20/1	28			
29	20/1		RECEPT. WAREHOUSE	0.4	0.7					0.8				EF PI	15/2	30			
31	20/1		RECEPT. WAREHOUSE	0.4	0.7														
33	20/1		RECEPT. WAREHOUSE	0.4	0.7									0.8	HEAT TRAP THERM CHANGER	20/1	34		
35	20/1		RECEPT. WAREHOUSE	0.4	0.7								1.0	FIRE PUMP CONTROLLER	20/1	35			
37	20/1		RECEPT. WAREHOUSE	0.4	0.7									0.5	IRIGATION CONTROLLER	20/1	38		
39	20/1		RECEPT. WAREHOUSE	0.4	0.7							1.0		HEAT T-AP BACKFLOW PREV.	20/1	40			
41	20/1		RECEPT. WAREHOUSE	0.4	0.7									WINDUP AT ROOF	20/1	42			
43	20/1		RECEPT. WAREHOUSE	0.4	0.7									RECEPT. WAREHOUSE	20/1	43			
LIGHTING (KVA):				0.8	0.0	2.8	6.3	0.0	0.0	0.0	0.5		0.0	0.7	0.0	0.0			
ELECTRICALS (KVA):																25.6			
MOTORS (KVA):				8.1						PHASE A	9	74.0							
A/C (KVA):				0.0						PHASE B	8	62.8							
HEATING (KVA):				1.0						PHASE C	1.0	76.8							
LIFT (KVA):				0.0															
LIFT (KVA):				0.0															
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LIFT (KVA):				0.0															
LIFT (KVA):				0.0															

PANELBOARD SCHEDULE - "L2"																							
MAIN: 100A MCB			VOLTAGE: 208/120												PHASE-3			WIRE: 4		MOUNTING: SURFACE		AIC: 1357	
CKT #	POLE	DESCRIPTION	LOAD (KVA)						PHASE						LOAD (KVA)						TRIP	CKT #	
			LTG	REC	MTR	A/C	HTG	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	MISC	A	B	C			
3	20/1	RECEPT - DOOR LEVELER			0.7															RECEPT - DOOR QUADS	20/1	4	
3	20/1	RECEPT - DOOR LEVELER			0.7								1.1							RECEPT - DOOR QUADS	20/1	4	
5	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	6	
7	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	8	
7	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	8	
13	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	10	
13	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	10	
15	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	11	
15	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	11	
19	20/1	RECEPT - DOOR LEVELER			0.7								0.7							RECEPT - WAREHOUSE	20/1	15	
19	20/1	RECEPT - DOOR LEVELER			0.7								0.7						0.5	RECEPT - WAREHOUSE	20/1	15	
21	20/1	RECEPT - DOOR LEVELER			0.7								0.7							SPARE	20/1	22	
25	20/1	RECEPT - DOOR LEVELER			0.7								0.7							SPARE	20/1	24	
25	20/1	RECEPT - DOOR LEVELER			0.7								0.7							SPARE	20/1	26	
27	20/1	SPACE																		SPARE	20/1	28	
29	33	SPACE																		SPACE	33	30	
31	33	SPACE																		SPACE	32	32	
33	33	SPACE																		SPACE	34	34	
35	33	SPACE																		SPACE	36	36	
37	33	SPACE																		SPACE	38	38	
39	33	SPACE																		SPACE	40	40	
41	33	SPACE																		SPACE	42	42	
LIGHTING (KVA):			0.0	0.0	0.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.5	CONNECTED LOAD (KVA):			17.6	
RECEPTACLES (KVA):			7.6															DEMAND LOAD (KVA):			17.6		
MOTORS (KVA):			5.5															CONNECTED LOAD (AMPS):			48.7		
A/C (KVA):			0.0															DEMAND LOAD (AMPS):			48.7		
HEATING (KVA):			0.0															DEMAND LOAD (AMPS):			48.7		
KITCHEN (KVA):			0.0															DEMAND LOAD (AMPS):			48.7		
MISC/LANEOUS (KVA):			0.5															AMPSITY REQUIRED:			48.7		
NOTES: 1. BRK DISC PROTECTING MAINS W/ BRANCH CIRCUIT'S SHALL BE FIELD-EQUIPPED WITH A MANUALLY OPERATED HANDLE-IE DEVICE TO ENSURE THAT ALL UNBROKEN CONDUCTIONS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 404.5.																							

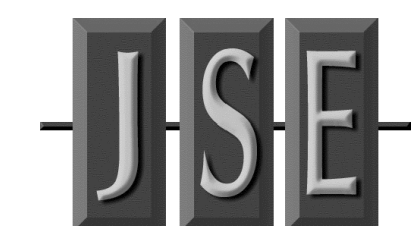


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PRINT RECORD		
NUMBER	DATE	DESCRIPTION
06/20/2013	07/08/2013	PROGRESS REVIEW
07/08/2013	07/08/2013	75% REVIEW
07/08/2013	07/08/2013	ISSUED FOR EQUIPMENT
08/09/2013	08/09/2013	ADDENDUM NO. 1
08/15/2013	08/15/2013	ADDENDUM NO. 2

PROJECT INFORMATION

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125 LOGISTICS CENTER PARKWAY
JEFFERSON, GEORGIA 30549



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DATE	PROJECT NO
07/31/2013	2013-018

SHEET TITLE

ELECTRICAL
PANEL
SCHEDULES

SHEET NUMBER

E-606

FOR CONSTRUCTION

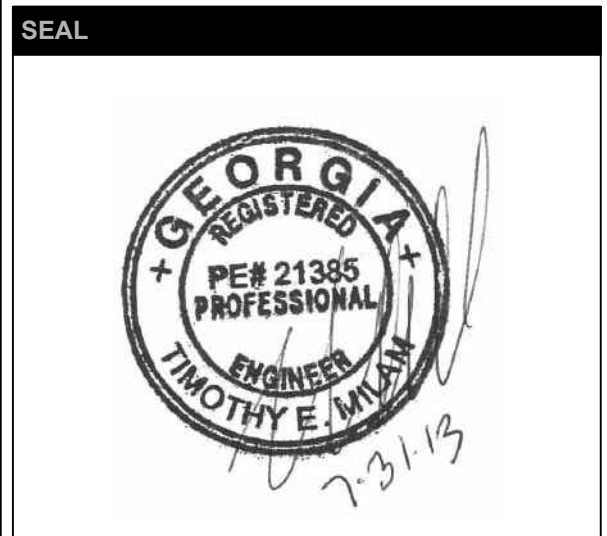
SWITCHBOARD SCHEDULE - "MSB"																			
MAIN: 400A MLO					VOLTAGE: 480/277 AIC: 57,452					PHASE 3					WIRE: 4				
CKT #	OVERCURRENT DEVICE		FUSE		POLE	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	MISC	PHASE					
	FRAME	TRIP												A B C					
MANS	M1	-	-	-	-	FUSIBLE MAIN #1	-	-	-	-	-	-	-	-					
	M2	200	-	150	3	FUSIBLE MAIN #2 EMERG PANEL EDPB	22.1	0.0	0.0	0.0	0.0	0.0	0.5	-					
	M3	3000	3000	-	3	BREAKER MAIN #3 (TOTALLED FROM DISTRIBUTION BELOW)	0.0	0.0	555.0	37.2	15.0	0.0	158.3	-					
		-	-	-	-	SUBTOTALS	38.2	0.0	555.0	37.2	15.0	0.0	158.3	-					
	1	250	225	-	3	PANEL MHM	0.0	0.0	0.0	37.2	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	0.0	37.2	0.0	0.0	0.0	-					
	2	250	225	-	3	PANEL BCS	0.0	0.0	0.0	37.2	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	0.0	37.2	0.0	0.0	0.0	-					
	3	400	400	-	3	PANEL BC4	0.0	0.0	0.0	0.0	0.0	0.0	34.9	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	0.0	0.0	0.0	0.0	34.9	-					
DISTRIBUTION	4	400	400	-	3	PANEL BC5	0.0	0.0	0.0	0.0	0.0	0.0	58.2	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	0.0	0.0	0.0	0.0	58.2	-					
	5	600	600	-	3	PANEL MH#3	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
	6	600	600	-	3	PANEL MH#4	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
	7	600	600	-	3	PANEL MH#5	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
	8	400	400	-	3	PANEL MH#6	0.0	0.0	34.4	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	34.4	0.0	0.0	0.0	0.0	-					
	9	100	50	-	3	DT-LBQH	0.0	0.0	34.4	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	34.4	0.0	0.0	0.0	0.0	-					
	10	250	225	-	3	PANEL HB2M	0.0	0.0	48.4	0.0	3.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	48.4	0.0	3.0	0.0	0.0	-					
	11	250	225	-	3	PANEL HB3M	0.0	0.0	48.4	0.0	3.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	48.4	0.0	3.0	0.0	0.0	-					
	12	250	225	-	3	PANEL HB4M	0.0	0.0	39.0	0.0	3.0	0.0	1.5	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	39.0	0.0	3.0	0.0	1.5	-					
	13	600	600	-	3	PANEL HB5M	0.0	0.0	84.8	0.0	6.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	84.8	0.0	6.0	0.0	0.0	-					
	14	250	225	-	3	PANEL MH#7	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	0.0	0.0	100.0	0.0	0.0	0.0	0.0	-					
	15	250	225	-	3	PANEL HB2	8.3	3.1	4.4	0.0	0.0	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	8.3	3.1	4.4	0.0	0.0	0.0	0.0	-					
	16	250	225	-	3	PANEL HB3	3.3	2.9	3.5	0.0	2.8	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	16.0	7.0	9.8	0.0	0.0	0.0	0.0	-					
	17	250	225	-	3	PANEL HB4	8.2	4.0	6.4	0.0	4.9	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	28.8	2.9	6.2	0.0	1.8	0.0	0.0	-					
	18	250	225	-	3	PANEL HB5	3.3	2.9	3.5	0.0	2.8	0.0	0.0	-					
		-	-	-	-	TIME DELAY RELAY	12.7	6.6	9.8	0.0	0.0	0.0	0.0	-					
19	250	225	-	3	PANEL HB6	10.1	4.7	7.7	0.0	1.8	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	7.8	3.1	7.0	0.0	2.8	0.0	0.0	-						
20	250	225	-	3	PANEL HB7	7.3	3.4	7.7	0.0	0.0	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	4.7	2.5	7.0	0.0	0.0	0.0	0.0	-						
21	250	225	-	3	PANEL HB8	18.6	2.5	3.5	0.0	0.0	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	19.3	2.2	2.8	0.0	0.0	0.0	0.5	-						
22	250	225	-	3	PANEL HA5	12.5	1.4	2.8	0.0	0.0	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	23.4	1.4	1.2	0.0	0.0	0.0	0.5	-						
23	250	225	-	3	PANEL HA6	17.3	1.8	0.0	0.0	0.0	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	19.2	2.6	2.1	0.0	2.8	0.0	1.0	-						
24	250	225	-	3	PANEL HA7	17.5	2.4	2.1	0.0	0.0	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	19.4	2.9	2.8	0.0	0.0	0.0	0.0	-						
25	100	70	-	3	DT-TKL	0.0	3.4	0.0	0.0	0.0	0.0	0.0	-						
	-	-	-	-	TIME DELAY RELAY	0.0	3.6	0.0	0.0	0.0	0.0	0.0	-						
CONNECTED LOAD (KVA):							2309.7					PHASE A							
DEMAND LOAD (KVA):							2309.7					PHASE B							
CONNECTED LOAD (AMPS):							2778.1					PHASE C							
DEMAND LOAD (AMPS):							2778.1					AMPS							
AMPCAPACITY REQUIRED:							2790.0					KVA							
NOTES:																			
1. INSTALL SWITCHBOARD ON 3" HIGH CONCRETE PAD (LENGTH AND WIDTH EXCEEDING BASE BY 3" ON ALL SIDES.)																			

PANELBOARD SCHEDULE - "BC3"																									
MAIN: 225A MLO					VOLTAGE: 480/277					PHASE: 3					WIRE: 4					MOUNTING: SURFACE		AIC: 5,783			
OKT	#	POLE	DESCRIPTION	LOAD (KVA)					PHASE					LOAD (KVA)					TRIP					OKT	#
				LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC					
1		60/3	BATTERY CHARGER							11.6											SPARE		20/1	2	
2		--	----							11.6											SPARE		20/1	4	
3		--	----							11.6											SPARE		20/1	6	
4		--	----							11.6											SPARE		20/1	8	
5		60/3	BATTERY CHARGER							11.6											SPARE		20/1	10	
6		--	----							11.6											SPARE		20/1	12	
7		--	----							11.6											SPARE		20/1	14	
8		--	----							11.6											SPARE		20/1	16	
9		60/3	BATTERY CHARGER							11.6											SPARE		20/1	18	
10		--	----							11.6											SPARE		20/1	20	
11		--	----							11.6											SPARE		20/1	22	
12		60/3	BATTERY CHARGER							11.6											SPARE		20/1	24	
13		--	----							11.6											SPARE		20/1	26	
14		--	----							11.6											SPARE		20/1	28	
15		--	----							11.6											SPARE		20/1	30	
16		--	----							11.6											SPARE		20/1	32	
17		--	----							11.6											SPARE		20/1	34	
18		--	----							11.6											SPARE		20/1	36	
19		--	----							11.6											SPARE		20/1	38	
20		--	----							11.6											SPARE		20/1	40	
21		--	----							11.6											SPARE		20/1	42	
22		--	----							11.6											SPARE		20/1	44	
23		--	----							11.6											SPARE		20/1	46	
24		--	----							11.6											SPARE		20/1	48	
25		--	----							11.6											SPARE		20/1	50	
26		--	----							11.6											SPARE		20/1	52	
27		--	----							11.6											SPARE		20/1	54	
28		--	----							11.6											SPARE		20/1	56	
29		--	----							11.6											SPARE		20/1	58	
30		--	----							11.6											SPARE		20/1	60	
31		--	----							11.6											SPARE		20/1	62	
32		--	----							11.6											SPARE		20/1	64	
33		--	----							11.6											SPARE		20/1	66	
34		--	----							11.6											SPARE		20/1	68	
35		--	----							11.6											SPARE		20/1	70	
36		--	----							11.6											SPARE		20/1	72	
37		--	----							11.6											SPARE		20/1	74	
38		--	----							11.6											SPARE		20/1	76	
39		--	----							11.6											SPARE		20/1	78	
40		--	----							11.6											SPARE		20/1	80	
41		--	----							11.6											SPARE		20/1	82	
42		--	----							11.6											SPARE		20/1	84	
43		--	----							11.6											SPARE		20/1	86	
44		--	----							11.6											SPARE		20/1	88	
45		--	----							11.6											SPARE		20/1	90	
46		--	----							11.6											SPARE		20/1	92	
47		--	----							11.6											SPARE		20/1	94	
48		--	----							11.6											SPARE		20/1	96	
49		--	----							11.6											SPARE		20/1	98	
50		--	----							11.6											SPARE		20/1	100	
51		--	----							11.6											SPARE		20/1	102	
52		--	----							11.6											SPARE		20/1	104	
53		--	----							11.6											SPARE		20/1	106	
54		--	----							11.6											SPARE		20/1	108	
55		--	----							11.6											SPARE		20/1	110	
56		--	----							11.6											SPARE		20/1	112	
57		--	----							11.6											SPARE		20/1	114	
58		--	----							11.6											SPARE		20/1	116	
59		--	----							11.6											SPARE		20/1	118	
60		--	----							11.6											SPARE		20/1	120	
61		--	----							11.6											SPARE		20/1	122	
62		--	----							11.6											SPARE		20/1	124	
63		--	----							11.6											SPARE		20/1	126	
64		--	----							11.6											SPARE		20/1	128	
65		--	----							11.6											SPARE		20/1	130	
66		--	----							11.6											SPARE		20/1	132	
67		--	----							11.6											SPARE		20/1	134	
68		--	----							11.6											SPARE		20/1	136	
69		--	----							11.6											SPARE		20/1	138	
70		--	----							11.6											SPARE		20/1	140	
71		--	----							11.6											SPARE		20/1	142	
72		--	----							11.6											SPARE		20/1	144	
73		--	----							11.6											SPARE		20/1	146	
74		--	----							11.6											SPARE		20/1	148	
75		--	----							11.6											SPARE		20/1	150	
76		--	----							11.6											SPARE		20/1	152	
77		--	----							11.6											SPARE		20/1	154	
78		--	----							11.6											SPARE		20/1	156	
79		--	----							11.6											SPARE		20/1	158	
80		--	----							11.6											SPARE		20/1	160	
81		--	----							11.6											SPARE		20/1	162	
82		--	----							11.6											SPARE		20/1	164	
83		--	----							11.6											SPARE		20/1	166	
84		--	----							11.6											SPARE		20/1	168	
85		--	----							11.6											SPARE		20/1	170	
86		--	----							11.6											SPARE		20/1	172	
87		--	----							11.6											SPARE		20/1	174	
88		--	----							11.6											SPARE		20/1	176	
89		--	----							11.6											SPARE		20/1	178	
90		--	----							11.6											SPARE		20/1	180	
91		--	----							11.6											SPARE		20/1	182	
92		--	----							11.6											SPARE		20/1	184	
93		--	----							11.6											SPARE		20/1	186	
94		--	----							11.6											SPARE		20/1	188	
95		--	----							11.6											SPARE		20/1	190	
96		--	----							11.6											SPARE				

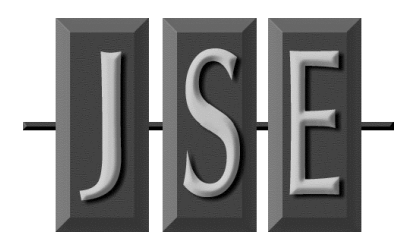


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PRINT RECORD

NUMBER	DATE	DESCRIPTION
06/20/2013		PROGRESS REVIEW
07/08/2013		75% REVIEW
07/10/2013		ISSUED FOR PERMIT
08/09/2013		ADDENDUM NO. 1
08/15/2013		ADDENDUM NO. 2

PROJECT INFORMATION

HomeGoods
DISTRIBUTION
CENTER

125 LOGISTICS CENTER PARKWAY
JEFFERSON, GEORGIA 30549

Be
HomeGoods
Happy

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THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE BEFORE PROCEEDING WITH EACH PHASE OF HIS WORK.
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DATE	PROJECT NO.
07/31/2013	2013-018

SHEET TITLE

**ELECTRICAL
PANEL
SCHEDULES**

SHEET NUMBER

E-609

FOR CONSTRUCTION

PANELBOARD SCHEDULE - "LB4"																						
MAIN: 150A MCB			VOLTAGE: 208/120 PHASE: 3 WIRE: 4										MOUNTING: SURFACE AIC: 20k									
CKT #	TRIP	DESCRIPTION	LOAD (KVA)										TRIP			CKT #						
#	POLE		LTG	REC	MTR	A/C	HTG	KIT	MISC	A	B	C	LTG	REC	MTR	A/C	HTG	KIT	MISC		#	
1	20/1	RECEPT - DOCK LEVELER			0.7																20/1	2
2	20/1	RECEPT - DOCK LEVELER			0.7																20/1	4
3	20/1	RECEPT - DOCK LEVELER			0.7																20/1	6
5	20/1	RECEPT - DOCK LEVELER			0.7																20/1	8
7	20/1	RECEPT - DOCK LEVELER			0.7																20/1	10
9	20/1	RECEPT - DOCK LEVELER			0.7																20/1	12
11	20/1	RECEPT - DOCK LEVELER			0.7																20/1	14
13	20/1	RECEPT - DOCK LEVELER			0.7																20/1	16
15	20/1	RECEPT - DOCK LEVELER			0.7																20/1	18
17	20/1	RECEPT - DOCK LEVELER			0.7																20/1	20
19	20/1	RECEPT - DOCK LEVELER			0.7																20/1	22
21	20/1	RECEPT - DOCK LEVELER			0.7																20/1	24
23	20/1	RECEPT - DOCK LEVELER			0.7																20/1	26
25	20/1	RECEPT - DOCK LEVELER			0.7																20/1	28
27	20/1	RECEPT - DOCK LEVELER			0.7																20/1	30
29	20/1	RECEPT - DOCK LEVELER			0.7																20/1	32
31	20/1	RECEPT - DOCK LEVELER			0.7																20/1	34
33	20/1	RECEPT - DOCK LEVELER			0.7																20/1	36
35	20/1	RECEPT - DOCK LEVELER			0.7																20/1	38
37	20/1	RECEPT - DOCK LEVELER			0.7																20/1	40
39	20/1	RECEPT - DOCK LEVELER			0.7																20/1	42
41	20/1	RECEPT - DOCK LEVELER			0.7																20/1	44
SECTION 2																						
43	20/1	RECEPT - DOCK LEVELER			0.7																20/1	46
45	20/1	RECEPT - DOCK LEVELER			0.7																20/1	48
47	20/1	RECEPT - DOCK LEVELER			0.7																20/1	50
49	20/1	RECEPT - WAREHOUSE			0.2																20/1	52
51	20/1	RECEPT - WAREHOUSE			0.2																20/1	54
53	20/1	RECEPT - WAREHOUSE			0.2																20/1	56
55	20/1	RECEPT - WAREHOUSE			0.2																20/1	58
57	20/1	RECEPT - WAREHOUSE			0.2																20/1	60
59		SPACE																			SPACE	62
61		SPACE																			SPACE	64
63		SPACE																			SPACE	66
65		SPACE																			SPACE	68
67		SPACE																			SPACE	70
69		SPACE																			SPACE	72
71		SPACE																			SPACE	74
73		SPACE																			SPACE	76
75		SPACE																			SPACE	78
77		SPACE																			SPACE	80
79		SPACE																			SPACE	82
81		SPACE																			SPACE	84
83		SPACE																			SPACE	86
LIGHTING (KVA):			0.4	0.0	0.0	17.7	0.0	0.0	0.0	0.0	0.0	0.4	9.7	1.0	1.9	8.9	0.0	0.5			CONNECTED LOAD (KVA):	40.1
RECEPTACLES (KVA):																				DEMAND LOAD (KVA):	40.1	
MOTORS (KVA):			18.7																			
A/C (KVA):			1.9																		PHASE A 15 127.3	
HEATING (KVA):			8.9																		PHASE B 12 101.1	111.3
KITCHEN (KVA):			0.0																		PHASE C 13 105.8	111.3
WATER (KVA):			0.0																		KVA AMPS	
MISCELLANEOUS (KVA):			0.5																			
NOTES: BRANDES PROTECTING MULT-WIRE BRANCH CIRCUITS SHALL BE FIELD EQUIPPED WITH A MANUALLY OPERATED HANDLE-TYPE DEVICE TO ENSURE THAT ALL UNGROUNDING CONDUCTORS ARE SIMULTANEOUSLY DISCONNECTED PER NEC 240.15.																						
IMPACTITY REQUIRED: 111.6																						