### SCOPE OF WORK

USE THE NEW 600 AMP - 120/208 V - 36 ELECTRICAL SERVICE, USE THE NEW PANELS AND PROVIDE ALL NECESSARY EQUIPMENT AND ALL WIRING, LIGHTING AND LIGHTING CONTROLS FOR NEW MAACO SHOP BUILDOUT.

#### **GENERAL LIGHTING NOTES**

- A. WHERE LIGHT FIXTURE IS FOLLOWED BY "NL", THIS FIXTURE IS DESIGNATED AS A NIGHT LIGHT AND SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.
- B. UPPER CASE LETTER NEXT TO LIGHT FIXTURE DENOTES FIXTURE TYPE AND LOWER CASE LETTER DENOTES SWITCHING SCHEME.
- C. ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.

| SYMBOL              | DESCRIPTION   |
|---------------------|---|
|                     | EXHAUST FAN   |
|                     | COMBINATION EXHAUST FAN/LIGHT (REFER TO MECHANICAL PLANS)           |
| S                   | SMOKE DETECTOR  |
| <u> </u>            | JUNCTION BOX  |
| ©                   | CAMERA LOCATION   |
| -PC                 | WALL MOUNTED PHOTO CELL   |
| <u> </u>            | BATTERY BACK UP EXIT LIGHT  |
|                     | BATTERY BACK UP EMERGENCY LIGHT                                     |
| \$                  | WALL SWITCH (SINGLE, DOUBLE, )                                      |
| \$_                 | WALL SWITCH (3 WAY, 4 WAY)  |
| \$ <del>-</del>     | WALL SWITCH (TIMER)   |
| \$_                 | DIMMER WALL SWITCH  |
| S <sub>os</sub>     | OCCUPANCY SENSOR WALL SWITCH  |
| \$ <sub>vs</sub>    | VARIABLE SPEED SWITCH   |
| <u>— Фуз —</u><br>Ф | SIMPLEX RECEPTACLE, +18" AFF OR AS NOTED.                           |
| $\Phi_{A}$          | SUFFIX DENOTES FOLLOWING:   |
|                     | A - NEMA 5-15R<br>  B - NEMA 6-15R                                  |
|                     | C - NEMA 14-30R   |
|                     | D - NEMA 14-50R   |
|                     | E - NEMA L6-30R   |
| <u></u>             | DUPLEX RECEPTACLE   |
| <b>+</b>            | DUPLEX RECEPTACLE, 46" TO AFF AT KITCHEN, BATHS AND TOPS            |
| <del>=</del>        | HALF SWITCHED DUPLEX RECEPTACLE                                     |
| <b>(</b> )          | 230 VOLT RECEPTACLE   |
|                     | QUADRUPLEX RECEPTACLE   |
|                     | FLOOR MOUNTED. FLUSH DUPLEX RECEPTACLE                              |
|                     | FLOOR MOUNTED. FLUSH QUAD. RECEPTACLE                               |
|                     | FLOOR MOUNTED. FLUSH 230 VOLT RECEPTACLE                            |
| <u>cl<b>e</b></u>   | CEILING MOUNTED DUPLEX RECEPTACLE                                   |
|                     | ELECTRICAL PANEL  |
|                     | DISCONNECT SWITCH   |
| _———                | USB CHARGER RECEPTACLE  |
|                     | TELEVISION OUTLET   |
|                     | TELEPHONE OUTLET  |
|                     | TELEPHONE/DATA OUTLET   |
| $\square$           | DATA OUTLET   |
|                     | FLOOR MTD. FLUSH TELEPHONE/DATA OUTLET                              |
| QUA                 | QUAD. DATA OUTLET RJ45  |
|                     | THERMOSTAT DEVICE   |
|                     | AC OUTDOOR UNIT MOTOR AS NOTED WITH WEATHERPROOF                    |
| WP                  | CONTROLLED AND DISCONNECT SWITCH WITH                               |
|                     | NON FUSED DISCONNECT SWITCH AMPERAGE, A ND NUMBER OF POLES AS NOTED |
|                     | 30A/240V NON FUSED DISCONNECT SWITCH                                |
|                     | 60A/240V NON FUSED DISCONNECT SWITCH                                |
|                     | 100A/240V NON FUSED DISCONNECT SWITCH                               |
|                     | 200A/240V NON FUSED DISCONNECT SWITCH                               |

# ABOVE FINISH FLOOR= A.F.F.

COUNTER TOP LEVEL= C PUSH BUTTON= PB GROUND FAULT INTERRUPTER= GFCI UNDER CABINET= UC VERIFY PRIOR TO INSTALL= VH VAPOR PROOF= VP WEATHER PROOF= WP SALVAGED = S

BELOW COUNTER= BC

|                | LIGHTING FIXTURE SCHEDULE |   |                    |                        |       |               |                      |                |           |  |  |  |  |  |
|----------------|---------------------------|---|--------------------|------------------------|-------|---------------|----------------------|----------------|-----------|--|--|--|--|--|
| MARK           | MANUFACTURER              | CATALOG NUMBER  | LIGHTING<br>NUMBER | G FIXTURE DATA<br>TYPE | VOLTS | BAL<br>NUMBER | LAST DATA<br>TYPE    | INPUT<br>WATTS | MOUNTING  | DESCRIPTION  |  |  |  |  |
| А              | ELITE LIGHTING            | 24-FPL1-LED-4000L-DIM10-<br>MVOLT-35K-85                        | 1                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 41             | RECESSED  | RECESSED 2x4 LED TROFFER WITH ACRYLIC LENS.  |  |  |  |  |
| AE             | ELITE LIGHTING            | 24-FPL1-LED-4000L-DIM10-<br>MVOLT-35K-850-EMG-LED-10W           | 2                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 41             | RECESSED  | SAME AS FIXTURE TYPE 'A' EXCEPT PROVIDED WITH 90 MINUTE BATTERY BACK UP BALLAST, NOTE 3.                   |  |  |  |  |
| BE             | ELITE LIGHTING            | 4-OIW-LED-3400L-DIM10-<br>MVOLT-35K-85-0-EMG-LED                | 2                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 26             | SURFACE   | SURFACE MOUNTED 1x4 WRAPAROUND WITH 90 MINUTE BATTERY BACK UP BALLAST, NOTE 3.                             |  |  |  |  |
| С              | ELITE LIGHTING            | CB4-LED-10000L-DIM10-<br>MVOLT-WD-35K-85-VHCH                   | 46                 | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 68             | PENDANT   | 8' LED LOW BAY CHAIN HUNG 14'AFF.  |  |  |  |  |
| CE             | ELITE LIGHTING            | CB4-LED-10000L-DIM10-<br>MVOLT-WD-35K-85-<br>0-EMG-LED-20W-VHCH | 6                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 68             | PENDANT   | SAME AS FIXTURE TYPE 'C' EXCEPT PROVIDED WITH 90 MINUTE<br>BATTERY BACK UP BALLAST, NOTE 3.                |  |  |  |  |
| D              | ELITE LIGHTING            | 8-AS16-LED-8-DEIM10-MVOLT-<br>35K-90-50U50D-SUM-8-OCGSS         | 2                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 74             | PENDANT   | 8' LED LOW BAY PENDANT HUNG 10'AFF, WHITE FINISH.  |  |  |  |  |
| E              | LITHONIA LIGHTING         | WSTLED-P3-40K-VW-MVOLT  | 10                 | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 52             | WALL      | EXTERIOR LED WALL LIGHT. SEE ARCH ELEVATIONS FOR EXACT MOUNTING HEIGHTS.                                   |  |  |  |  |
| EE             | LITHONIA LIGHTING         | WSTLED-P3-40K-VW-MVOLT  | 6                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 52             | WALL      | SAME AS FIXTURE TYPE 'E' EXCEPT PROVIDED WITH 90 MINUTE<br>BATTERY BACK UP BALLAST, NOTE 3.                |  |  |  |  |
| F              | LEDALUX                   | HRM-1-T4-32L-53-40K<br>-UNV-WM-BLK                              | 1                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 57             | SURFACE   | CEILING MOUNTED EXPLOSION PROOF LED LIGHT FIXTURE, CLASS<br>1 DIV 2. MOUNT EVEN WITH BOTTOM OF BAR JOISTS. |  |  |  |  |
| FE             | LEDALUX                   | HRM-1-T4-32L-53-40K-<br>UNV-WM-BL <mark>K-</mark> CWB           | 1                  | LED                    | 120   | 1             | ELECTRONIC<br>DRIVER | 57             | SURFACE   | SAME AS FIXTURE TYPE 'F' EXCEPT PROVIDED WITH 90 MINUTE<br>BATTERY BACK UP BALLAST, NOTE 3.                |  |  |  |  |
| ⊗ <sub>X</sub> | MULE LIGHTING             | MX-B-R-U-SD-PKMX2   |                    | LED                    | 120   | 1             | LED DRIVER           | <1             | UNIVERSAL | LED EXIT SIGN WITH RED LETTERS AND WHITE HOUSING. PROVIDE 90 MINUTE BATTERY BACKUP.                        |  |  |  |  |

- CATALOG NUMBERS AND MANUFACTURERS ARE TO INDICATE TYPE AND QUALITY OF FIXTURE DESIRED. SUBMIT CUTSHEETS OF THESE AND ALTERNATE MANUFACTURERS FOR ARCHITECT AND OWNER APPROVAL PRIOR TO PURCHASE OF ANY FIXTURES. INFORMATION ON ALTERNATE FIXTURES PROPOSED BY THE CONTRACTOR SHALL INCLUDE THE ADD/DEDUCT ASSOCIATED WITH ACCEPTANCE OF THAT FIXTURE (OR THE ALTERNATE PACKAGE AS A WHOLE). EXIT AND EMERGENCY LIGHTING FIXTURES SHALL BE CIRCUITED TO AN UNSWITCHED LEG OF THE LOCAL LIGHTING CIRCUIT, UNLESS NOTED OTHERWISE.
- PROVIDE CONSTANT UNSWITCHED HOT WIRE FOR BATTERY. COORDINATE EXACT WIRING REQUIREMENTS WITH MANUFACTURER. . ALL LIGHTING FIXTURES SHALL BE RATED FOR BUILDING SYSTEM VOLTAGE. CONTRACTOR MUST VERIFY ALL LOCATIONS. CONTRACTOR SHALL FURNISH AND INSTALL EACH LIGHTING FIXTURE COMPLETE WITH PLASTER FRAMES AND ALL OTHER INSTALLATION AND HANGING HARDWARE AS REQUIRED FOR A COMPLETE AND FINISHED INSTALLATION AT EACH FIXTURE LOCATION.
- UNLESS INDICATED OTHERWISE, ALL LED LIGHT FIXTURES TO HAVE ELECTRONIC DRIVERS. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND COORDINATING ALL LIGHTING FIXTURE CATALOG NUMBERS AND LOCATIONS WITH THE INTENT OF FIXTURE DESCRIPTIONS LISTED AND VERIFY FIXTURE QUANTITIES. FIXTURE
- QUANTITIES SHOWN ARE FOR INFORMATION ONLY. ANY DISCREPANCY SHALL BE REPORTED IN WRITING TO THE ARCHITECT PRIOR TO INSTALLATION. ALL FIXTURES SHALL BE "U.L." LABELED AND LISTED FOR INTENDED USE AND APPLICATION. ALL LIGHTING FIXTURES EXPOSED TO WEATHER OR MOISTURE SHALL BEAR U.L. "WET LOCATION" LABEL AND LIGHTING FIXTURES EXPOSED TO
- DAMPNESS SHALL BEAR U.L. "DAMP LOCATION" LABEL. ALL FIXTURES IN HAZARDOUS ENVIRONMENTS SHALL BE LISTED AND LABELED FOR THAT SPECIFIC PURPOSE, INCLUDING INSTALLATION MATERIALS AND METHODS. 3. ALL EXIT SIGNS SHALL BE INSTALLED COMPLETE WITH ALL INSTALLATION AND HANGING ACCESSORIES TO PROVIDE AN UNOBSTRUCTED VIEW OF EACH SIGN FACE AS REQUIRED. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION AND OCATION OF ALL EXIT SIGNS WITH LOCAL AUTHORITIES. EXIT SIGNS WILL BE ADJUSTED AS NECESSARY WITHOUT ADDITIONAL COST. REFER TO APPLICABLE SECTIONS OF THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR LIGHTING FIXTURES.
- ALL EXIT SIGNS AND BATTERY EMERGENCY UNITS MUST BE APPROVED BY LOCAL CODE AND MAINTAIN MINIMUM OF 90 MINUTES OF CONTINUOUS ILLUMINATION AND SHALL PROVIDE A MINIMUM OF 1 FOOT-CANDLE AT THE WALKING SURFACE LEVEL IN SPACES THAT REQUIRE TOW OR MORE MEANS OF EGRESS. THE CONTRACTOR WILL FURNISH AND INSTALL ANY ADDITIONAL EMERGENCY UNITS AS REQUESTED BY THE LOCAL AUTHORITY HAVING JURISDICTION AT THE FINAL INSPECTION. ANY ADDITIONAL COST TO BE APPROVED BY THE OWNER.
- ALL ELECTRONIC DRIVERS SHALL BE QUIPPED WITH DISCONNECT PER NEC 410.130(G). ALL CIRCUIT BREAKERS CONTROLLING EMERGENCY LIGHTS SHALL BE LOCKED IN THE "ON" POSITION.

### **ELECTRICAL PLAN NOTES**

BIDDING, ORDERING, OR PROCEEDING WITH WORK.

- ELECTRICAL CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET.
- CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES. IF DIFFERENT, NOTIFY ARCHITECT/ENGINEER BEFORE
- ELECTRICAL CONTRACTOR SHALL SUPPLY AND INSTALL ALL NEW ELECTRICAL WORK INDICATED. CONSTRUCTION SHALL BE IN ACCORDANCE WITH DRAWINGS AND APPLICABLE SPECIFICATIONS. IF A PROBLEM IS 38. ALL LIGHT SWITCHES TO BE AT 42" A.F.F. ENCOUNTERED IN COMPLYING WITH THIS REQUIREMENT, CONTRACTOR SHALL NOTIFY THE OWNER OR HIS REPRESENTATIVE AS SOON AS POSSIBLE 39. ALL ELECTRICAL WIRING SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL AFTER DISCOVERY OF THE PROBLEM AND SHALL NOT PROCEED WITH THAT | CONTRACTOR. ALL ELECTRICAL WIRING FOR HVAC SYSTEM INCLUDING PORTION OF THE WORK UNTIL OWNER HAS DIRECTED CORRECTIVE ACTION
- ELECTRICAL CONTRACTOR SHALL VISIT JOB SITE AND FAMILIARIZE HIMSELF 40. BREAKER AND PANELS -- ALL CURRENT CARRYING BUSSES SHALL BE WITH ALL CONDITIONS AFFECTING ELECTRICAL AND COMMUNICATIONS
- CONDITIONS OF ELECTRICAL EQUIPMENT, LIGHT FIXTURES, ETC... THAT ARE HOLES. A.I.C. RATINGS SHALL BE AS INDICATED ON PANEL BOARD PART OF THE FINAL SYSTEM SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING HIS BID.
- OF THE NATIONAL ELECTRIC CODE AND ALL CODES AND ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.

DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL

- PLANS AND ELEVATIONS FOR EXACT LOCATION FOR ALL EQUIPMENT. CONFIRM WITH OWNER'S REPRESENTATIVE. ALL ELECTRICAL NOT BEING REUSED MUST BE REMOVED IN ITS ENTIRETY.
- ALL CONDUIT IN OR UNDERGROUND OR IN CONCRETE MUST BE RIGID GALVANIZED STEEL.

. ALL EQUIPMENT SHALL BE APPROVED BY UL OR OTHER NATIONALLY

CIRCUIT BREAKERS AND PANELS TO BE BOLT ON TYPE.

BRIDAL RINGS OR "J" HOOKS REQUIRED.

- RECOGNIZED TESTING COMPANY. 1. ALL RECEPTACLES SHALL BE GROUNDED AS REQUIRED BY NEC 250.146
- 2. SUBMIT SERVICE ENTRANCE EQUIPMENT FOR SEPARATE APPROVAL.
- 4. SEPARATE PERMITS ARE REQUIRED FOR ALL LOW VOLTAGE SUCH AS
- TELEPHONE, DATA, THERMOSTAT, MUSIC, ALARMS ETC. 15. SEPARATE PERMIT REQUIRED FOR SIGNAGE.

3. ALL LOW VOLTAGE MUST BE IN CONDUIT TO ABOVE THE DROP CEILING.

- 16. PRIOR TO ANY CONSTRUCTION WORK BEGINNING AN ON-SITE MEETING WITH 50. CONSTRUCTION "AS BUILT" DRAWINGS AND DOCUMENTS SHALL BE
- GENERAL CONTRACTORS IS REQUIRED.
- 7. ELECTRICIAN MUST BE ON SITE FOR ALL INSPECTIONS. 8. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. EXCLUDING CONTROL WIRING. ALL THE BUILDING OWNER.
- CONDUCTORS SHALL BE COPPER AND UNLESS OTHERWISE NOTED THHN 19. OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, PLASTIC AND
- CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND SPECIAL ENCLOSURES FOR OTHER CLASSIFIED AREAS. 20. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL
- ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. 21. ELECTRICAL SYSTEM SHALL BE COMPLETE AND EFFECTIVELY GROUNDED AS
- REQUIRED BY THE N.E.C. OR LOCAL CODES. 2. ALL MATERIALS SHALL BE NEW AND BEAR UNDERWRITERS' LABELS WHERE APPLICABLE.
- 3. ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR 57. 7-DAY 24-HOUR TIME CLOCK IS REQUIRED TO CONTROL STOREFRONT ENTRY IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL LIGHTS, SHOW WINDOW LIGHTS, SHOW WINDOW RECEPTACLES AND BE FULLY OPERATIVE AND ACCEPTED BY ENGINEER/ARCHITECT.
- 24. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID
- INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- 25. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE YEAR FROM DATE THAT CERTIFICATE OF OCCUPANCY IS ISSUED. WARRANTY SHALL BE PROVIDED IN WRITING. PROVIDE COPY TO LL.
- 26. CORRECTION OF ANY DEFECTS SHALL BE COMPLETED WITHOUT ADDITIONAL CHARGE AND SHALL INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER 60. PANEL PHASE LOADS TO BE BALANCED WITHIN 10%. PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE DURATION OF THE
- 28. CONTRACTOR SHALL PAY FOR ALL PERMITS, FEES, INSPECTIONS AND TESTING. CONTRACTOR TO OBTAIN PERMIT AND APPROVED SUBMITTALS
- PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT. 29. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF POWER AND TELEPHONE COMPANIES.
- BO. CONTRACTOR SHALL COORDINATE WITH MECHANICAL DRAWINGS AND PROVIDE ALL NECESSARY CONTROL WIRING.
- . ALL CIRCUIT BREAKERS FEEDING MECHANICAL EQUIPMENT SHALL BE HACR
- TYPE CIRCUIT BREAKERS. 2. PROVIDE AND INSTALL CONDUIT, CONDUCTORS, PULL WIRES, BOXES, COVER
- PLATES, DEVICES, ETC. FOR ALL OUTLETS AS INDICATED.
- 33. MATERIALS, PRODUCTS, AND EQUIPMENT, INCLUDING ALL COMPONENTS THEREOF, SHALL BE NEW AND SUCH AS APPEAR ON THE ULLIST OF APPROVED ITEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF N.E.C. NEMA, AND IECE.
- 34. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS OF LIGHTING FIXTURES, SWITCHES, AND OTHER ELECTRICAL ITEMS FOR APPROVAL BY ENGINEER/ARCHITECT.

- 35. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING, PATCHING AND FIRED CAULKING REQUIRED OF HIS WORK.
- 36. ELECTRICAL CONTRACTOR SHALL LABEL ALL PANELS W/TYPE WRITTEN
- 37. ALL ELECTRICAL AND COMMUNICATIONS OUTLETS TO BE AT 24" A.F.F.
- UNLESS NOTED OTHERWISE, AND VERTICALLY MOUNTED.
- CONTROLS, THERMOSTATS, POWER, ETC. SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.
- COPPER. ALL GROUND BUS BARS SHALL BE COPPER. PANEL BOARD INSTALLATION AND MAKE PROVISIONS AS TO THE COST THEREOF. EXISTING | ENCLOSURES SHALL BE FURNISHED WITHOUT PRE-PUNCHED CONCENTRIC SCHEDULES.
- 41. DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2020 EDITION QUICK-BREAK ENCLOSURES AS REQUIRED BY EXPOSURE.
  - 42. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC, WITH OVERLOAD RELAYS IN EACH HOT LEG.
  - 43. THE TERM "PROVIDE" USED IN THE CONSTRUCTION DOCUMENTS AND SPECIFICATIONS INDICATES THE CONTRACT SHALL FURNISH AND INSTALL.
  - 44. CONTRACTOR SHALL CONFIRM WITH ANY AND ALL REQUIREMENTS SUCH AS: LUG SIZE RESTRICTIONS, CONDUIT ENTRY, TRANSFORMER SIZE, SCHEDULED DOWN TIME FOR OWNERS CONFIRMATION, ETC. ANY CONFLICTS SHALL BE BROUGHT TO ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH
  - 45. VOLTAGE DROP FOR ALL BRANCH CONDUCTORS SHALL NOT EXCEED 3%. WHERE VOLTAGE DROP EXCEEDS 3%, CONTRACTOR SHALL INCREASE SIZE OF CONDUCTORS.
  - 46. CONTRACTOR SHALL PROVIDE GFI TYPE BREAKER FOR ALL EXTERIOR 120V CIRCUITS OR GFI PROTECTION -- FOR THE WHOLE CIRCUIT.
  - 47. GAS PIPING SHALL BE BONDED.
  - 48. ELECTRICAL CONTRACTOR SHALL COORDINATE SERVICE ENTRY WITH SERVICE PROVIDER PRIOR TO DETERMINING EXACT LOCATION OF THE METER BOX IN ORDER TO AVOID DISCREPANCIES BETWEEN DRAWINGS AND
  - JOB CONDITIONS. 49. ALL OUTDOOR EQUIPMENT SHALL BE WEATHERPROOF.
  - PROVIDED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF
  - ACCEPTANCE. PROVIDE A COPY TO LL. OPERATION MANUALS AND MAINTENANCE MANUALS SHALL BE PROVIDED TO
  - 52. ABSOLUTELY NO FLEXIBLE CONDUIT IS PERMITTED IN DEMISING WALLS.
  - FLEXIBLE CONDUIT IS PERMITTED FOR SHORT FINAL CONNECTIONS ONLY (6'-0" OR LESS).

53. EXPOSED CONDUIT SHALL BE INSTALLED IN STRAIGHT LINES, PARALLEL OR

- IN RIGHT ANGLES TO THE BUIDING STRUCTURE. DO NOT LOOP EXCESS FLEXIBLE CONDUIT IN CEILING SPACE OR WALL CAVITY. NO CONDUIT TO BE SUPPORTED FROM THE ROOF DECK.
- 54. CABLE TYPES AC AND NM CABLES ARE NOT ACCEPTABLE. TYPE MC CABLE. ELECTRIC METALLIC TUBING (EMT) AND RIGID GALVANIZED CONDUIT ARE
- 55. ALL EQUIPMENT, DEVICES AND FIXTURES SHALL BE GROUNDED IN
- COMPLIANCE WITH NEC AND UL REQUIREMENTS. 56. ALL PANELS TO BE UL LABELED WITH BOLT-ON TYPE CIRCUIT BREAKERS.
- STOREFRONT SIGNAGE. ILLUMINATED STOREFRONT SIGNS MUST REMAIN
- 58. TENANT IS REQUIRED TO MAKE A FIELD SURVEY OF THE EXISTING ELECTRICAL SERVICE TO ENSURE THAT THE TOTAL CONNECTED LOAD DOES NOT EXCEED THE ELECTRIC SERVICE. ANY/ALL MODIFICATIONS OR
- UPGRADES NEEDED ARE SUBJECT TO LANDLORD'S PRIOR APPROVAL AND WILL BE COMPLETED BY TENANT/TENANT'S GC AT TENANT'S SOLE EXPENSE. 59. ALL ELECTRICAL PANELS TO BE MOUNTED ON PLYWOOD BACKER BOARD.

LIT DURING ALL MALL BUSINESS HOURS.

- 61. ELECTRICAL PANELS MAY NOT BE RECESSED IN DEMISING PARTITIONS. . ALL REQUIRED INSURANCE SHALL BE PROVIDED FOR PROTECTION AGAINST SURFACE MOUNT OR FULL FUR OUT WALL TO ACHIEVE FLUSH FINAL APPEARANCE.
  - 62. COORDINATE ALL CONCRETE TRENCHING/CORING TO ENSURE THAT ANY UNDER SLAB UTILITIES, ETC. ARE NOT DAMAGED DURING FLOOR CUT. ANY DAMAGE TO BE REPAIRED AT TENANT'S EXPENSE. PRIOR APPROVAL AND COORDINATION WITH PROPERTY MANAGEMENT IS REQUIRED FOR ALL
  - CONCRETE CUTTING. 63. CONFIRM ELECTRICAL METER REQUIREMENTS WITH MALL OPERATIONS.

#### ELECTRICAL LIGHTING PLAN GENERAL NOTES:

- A. DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH NFPA 72 AND 'ADA'.
- B. ALL LIGHT SWITCHES IN SERVICE AREA TO BE 46" MIN. AFF, UNLESS OTHERWISE NOTED. C. ALL WIRING SHALL BE IN CONDUIT OR AS ALLOWED BY NEC OR LOCAL AHJ.
- D. DEVICE QUANTITIES SHALL BE AS INDICATED ON THE PLANS. VERIFY QUANTITY AND EXACT LOCATION WITH AUTHORITY HAVING JURISDICTION TO ENSURE BID INCLUDES ALL REQUIRED

## E. ALL EXTERNAL LIGHTS TO BE CONTROLLED VIA PHOTOCELL.

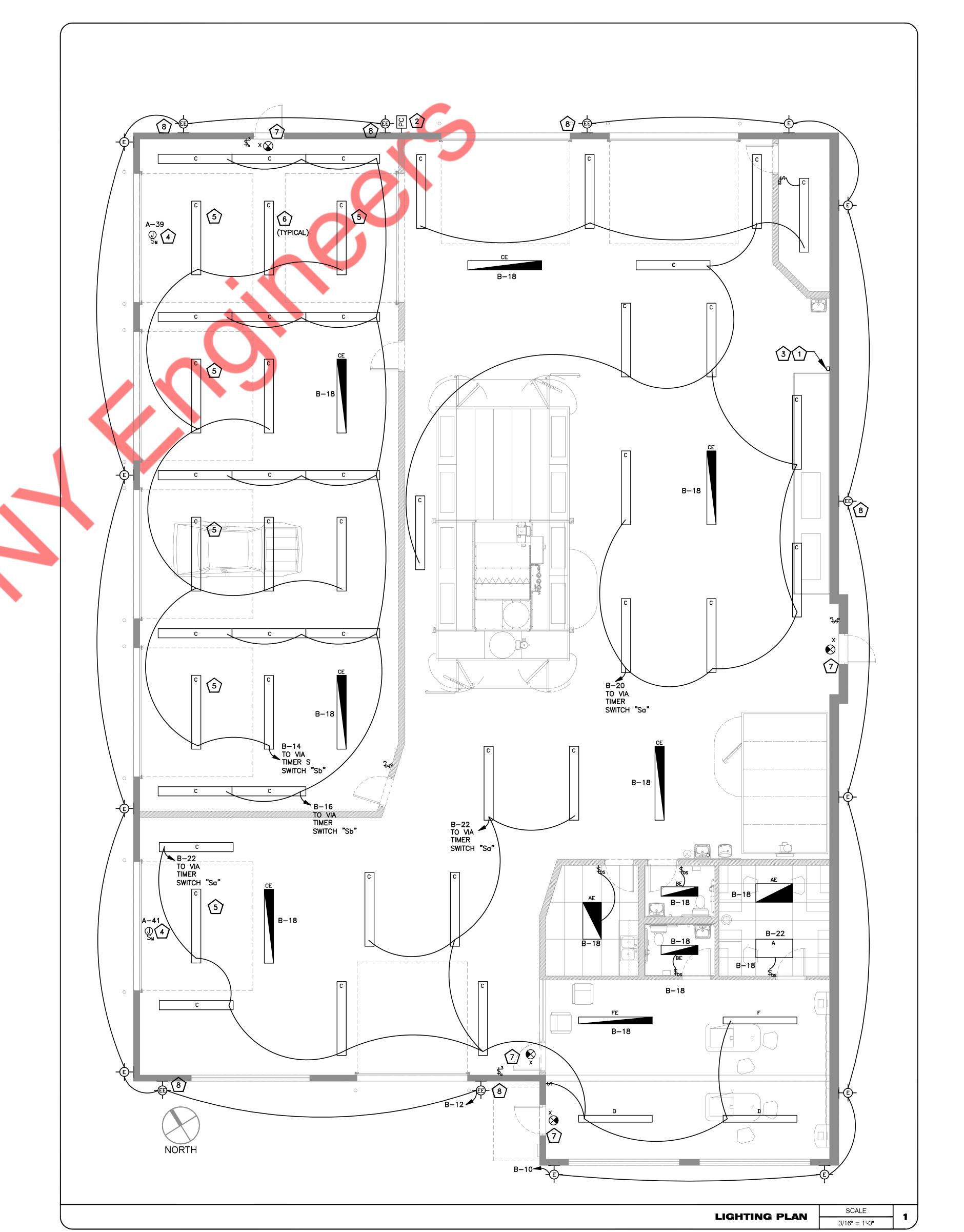
#### ELECTRICAL LIGHTING PLAN KEYED WORK NOTES:

- LIGHTING CONTROLS: PROVIDE TIME CLOCK "TC". SEE "CONTACTOR WIRING DIAGRAM AND NOTES", ON SHEET "E-4" FOR ADDITIONAL INFORMATION.
- PHOTOCELL: PROVIDE PHOTOCELL AT ROOF LINE FACING NORTH. VERIFY LOCATION AND REQUIREMENTS IN FIELD, SEE "CONTACTOR WIRING DIAGRAM" AND "CONTACTOR NOTES", ON SHEET "E-4" FOR ADDITIONAL INFORMATION.
- TIMECLOCK: ROUTE DESIGNATED CIRCUITS VIA TIME CLOCK "TC" AND CONTACTORS AND RELAYS, AS NOTED IN THE "CONTACTOR ADD RELAY WIRING DIAGRAM" AND "CONTACTOR AND RELAY NOTES" ON SHEET "E-4". FOR ANY ADDITIONAL INFORMATION ON CIRCUITING AND CONTROL SEE SHEET "E-4".
- EXTERIOR WALL SIGNS: PROVIDE JUNCTION BOX WITH TOGGLE SWITCH FOR DISCONNECTING MEANS AND WIREWAY FOR EXTERIOR WALL SIGN, LENGTH OF WIREWAY SHALL BE FOR THE ENTIRE LENGTH OF THE SIGN. MOUNT THIS ASSEMBLY CENTERED ON THE LOWER CASE LETTERING OF THE SIGN. ROUTE CIRCUITS FROM JUNCTION BOX THRU CONTACTORS AND TIME CLOCK, AS SHOWN ON SHEET "E-4" AND ON TO CIRCUITS IN PANEL AS NOTED. VERIFY AND COORDINATE LOCATION WITH ARCHITECTURAL ELEVATIONS, AND SIGN COMPANY.
- LIGHT FIXTURES ABOVE DOORS: MOUNT THESE LIGHTS IN-BETWEEN JOIST WITH BOTTOM OF LIGHT LEVEL WITH BOTTOM OF JOIST.
- SHOP LIGHTS TYPE "C" AND "CE": THESE LIGHT FIXTURES TO BE CHAIN HANG AT 14'AFF.
- CONNECT ALL EMERGENCY EGRESS AND NIGHT LIGHTING FIXTURES TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND
- EXTERIOR EMERGENCY LIGHT: PROVIDE SWITCHED HOT FOR LIGHT AND UN-SWITCHED HOT FOR BATTERY BACK-UP DRIVER.

## ELECTRICAL SITE LIGHTING CRITERIA:

- 1. THE SITE PARKING AND PEDESTRIAN AREAS SHALL BE ILLUMINATE TO 0.5 FC
- MINIMUM USING FIXTURES THAT COMPLY WITH "NIGHT SKY" CUT OFF.
  2. PROVIDE POLE MOUNTED SITE LIGHTING TO SUPPLEMENT THE BUILDING MOUNTED
- EXTERIOR LIGHTS.
  3. FIXTURE SELECTION, POLE HEIGHTS, FINISH, ETC SHALL BE COORDINATED AS
- REQUIRED FOR EACH SITE. CONTACT LOCAL AUTHORITY REGARDING SITE LIGHTING REQUIREMENTS, FIXTURE STYLE, COLOR, LAMP TYPE ETC REQUIRED FOR COMPLIANCE.

  4. PROVIDE SITE PHOTOMETRIC CALCULATIONS TO INDICATE EXPECTED PERFORMANCE.





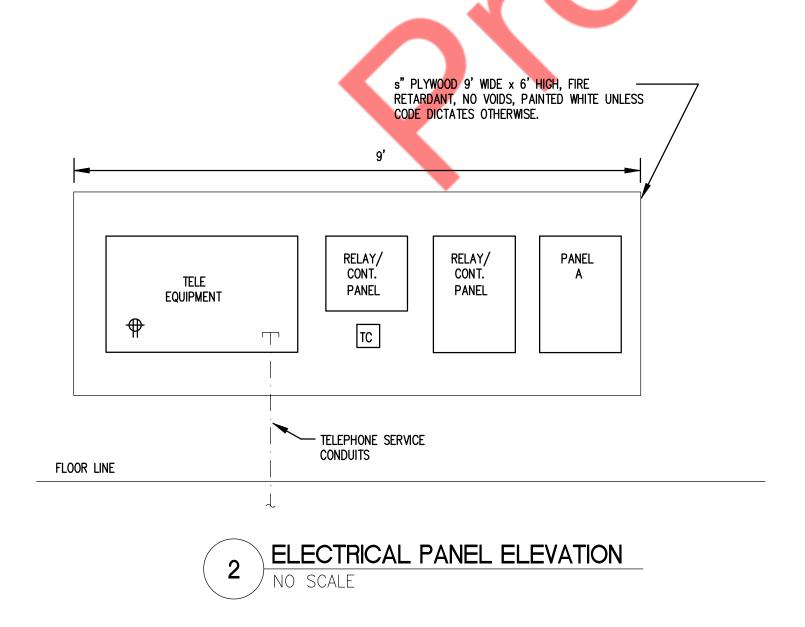
- A. VERIFY MOUNTING HEIGHTS OF ALL RECEPTACLES WITH EQUIPMENT SUPPLIED PRIOR TO INSTALLATION.
- B. E.C. TO PROVIDE CORD & PLUG CONNECTIONS FOR EQUIPMENT AS REQUIRED. C. ALL CONDUITS IN SERVICE AREA TO CLEAR GAS FIRE RADIANT HEATERS OR UNIT HEATERS. D. ALL SWITCHES AND RECEPTACLES IN SERVICE AREA TO BE 46" MIN. AFF, UNLESS
- OTHERWISE NOTED. . ALL ELECTRICAL CONDUITS ALONG "CMU" WALLS NEED TO BE DROPPED DIRECTLY FROM STRUCTURE DOWN TO DEVICE BELOW, NO HORIZONTAL CONDUIT RUNS ALLOWED.
- ALL DEVICES LOCATED IN THE FOLLOWING ROOMS: "SALES AREA", "OFFICE", "BREAK AREA"
- AND "RESTROOM", SHALL BE MOUNTED 24"AFF, UNLESS NOTED OTHERWISE.
- G. ALL WIRING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE "NEC" AND LOCAL CODE AUTHORITIES HAVING JURISDICTION FOR ROUTING OF ALL CONDUITS. CONTRACTOR TO WIRE ALL HVAC CONTROL DEVICES AND COORDINATE WITH MECHANICAL
- DRAWINGS FOR EXACT LOCATION AND REQUIREMENTS. ALL PENETRATIONS IN THE RATED WALLS AND CEILING SHALL BE SEALED WITH A MATERIAL
- CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES. THE SEALANT SHALL HAVE A T-RATING OF THREE HOUR.
- ALL ELECTRICAL AND TELEPHONE CABLE AND CONDUITS THAT PENETRATE FIRE WALLS SHALL BE SEALED WITH FIRE STOP MATERIAL TO MEET ALL GOVERNING CODE REQUIREMENTS. K. E.C. TO COORDINATE COORDINATE WITH ARCHITECTURAL AND MECHANICAL PLANS FOR
- LOCATION, MOUNTING HEIGHTS AND INSTALLATION REQUIREMENTS OF THERMOSTATS. SECURITY CAMERA LOCATIONS ARE FOR REFERENCE ONLY. G.C. TO COORDINATE WITH OWNER/ARCHITECT AND OWNER'S SECURITY VENDOR PRIOR TO CONSTRUCTION.

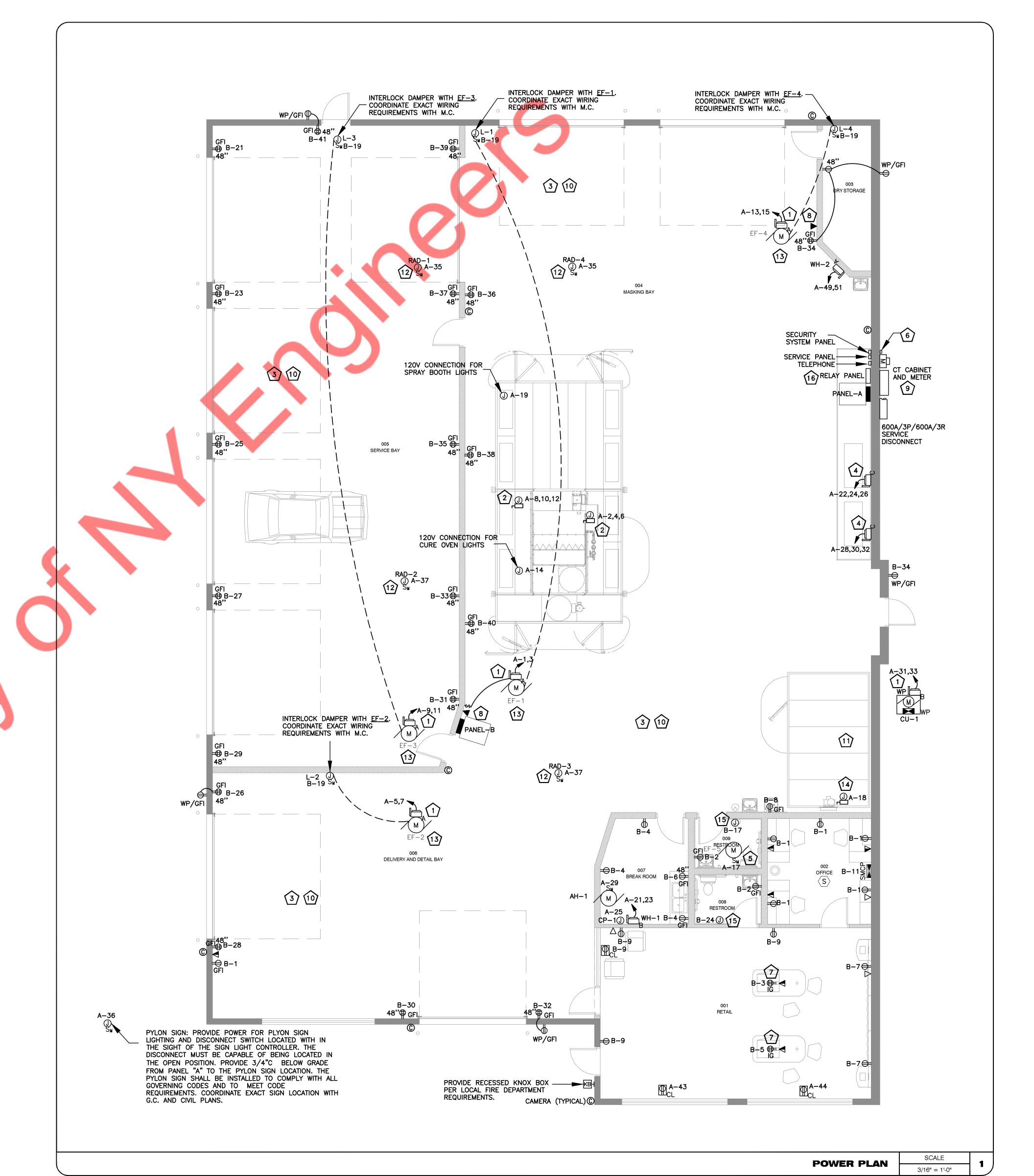
#### ELECTRICAL POWER PLAN KEYED WORK NOTES:

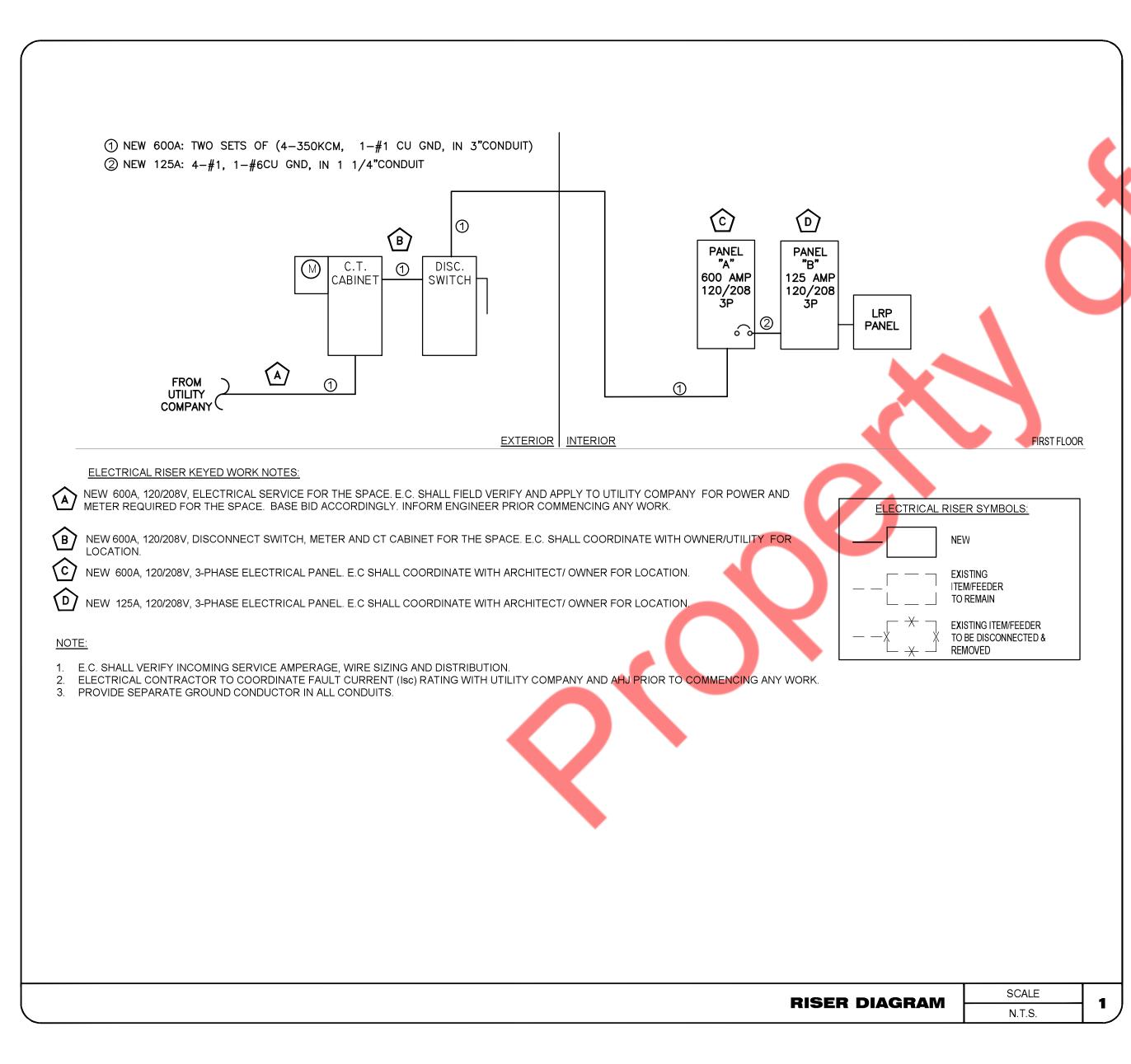
- ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. COORDINATE LOCATION OF DISCONNECT WITH MANUFACTURER AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.
- ELECTRICAL CONTRACTOR TO COORDINATE EXACT POWER REQUIREMENT WITH TRUCK BOOTH MANUFACTURER AND MAKE POWER PROVISION ACCORDINGLY.
- IN SHOP AREA ALL RECEPTACLES AND DEVICES SHALL BE MOUNTED AT LEAST 48" AFF. THESE DEVICES SHALL BE FED DOWN FROM ABOVE IN EMT CONDUIT. IF FOR ANY REASON A DEVICE MUST BE FED FROM THE FLOOR IT SHALL HAVE A SEAL OFF AT EACH
- (2) 15HP AIR COMPRESSORS: MAKE ALL FINAL PUWER TERMINATIONS AND THE AS DIRECTED BY 100A/3P/80A DISCONNECT SWITCHES. DISCONNECT LOCATIONS TO BE AS DIRECTED BY
- EXHAUST FANS SHALL BE CONTROLLED ALONG WITH THE LIGHT FIXTURES IN THE SAME
- TELEPHONE SERVICE: PROVIDE (1) 4" EMPTY CUINDUIT WITH FOLL WILL SERVICE, (12 LINES 25 PAIR CABLE). VERIFY EXACT REQUIREMENTS WITH LOCAL SERVICE, (12 LINES 25 PAIR CABLE). VERIFY EXACT REQUIREMENTS WITH LOCAL SERVICE. TELEPHONE SERVICE: PROVIDE (1) 4" EMPTY CONDUIT WITH PULL WIRE FOR TELEPHONE TELEPHONE COMPANY. PROVIDE CONDUIT SEAL AT 18"AFF. COORDINATE ROUTING AND TERMINATION POINTS.
- SALES DESK: PROVIDE DEVICES INDICATED IN SALES DESK AND WIRE TO POWER POLE AS SHOWN. VERIFY EXACT LOCATIONS OF ALL EQUIPMENT WITH OWNER PRIOR TO ROUGH—IN. POWER POLE IS PROVIDED AS PART OF THE SALES DESK. PROVIDE RECEPTACLE IN CEILING SPACE WITH COMMERCIAL GRADE EXTENSION CORD DOWN POWER POLE TO
- (8) WALL PHONE: MOUNT WALL PHONE AT 46"AFF.
- SERVICE ROUTING: CONTACT POWER COMPANY 101. AND LOCATIONS OF THE METER AND CT CABINET. SERVICE ROUTING: CONTACT POWER COMPANY FOR THE EXACT ROUTING OF THE SERVICE
- SHOP AREAS: ALL RECEPTACLES IN ALL SHOP AREAS (PREP/BODY, SANDING, MASKING, DELIVERY) SHALL BE MOUNTED 48"AFF AND PROVIDED WITH GFCI PROTECTION.
- HAZARDOUS LOCATION: PAINT MIXING AND PAINT STORAGE ROOMS SHALL BE CONSIDEDRED HAZARDOUS LOCATION CLASS 1 DIVISION 2. ALL ELECTRICAL EQIUPMENT AND WIRING
- SHALL BE IN ACCORDANCE WITH THE NEC REQUIREMENTS FOR THIS CLASSIFICATION.
- GAS FIRED RADIANT HEAT: PROVIDE J-BOX WITH TOGGLE SWITCH DISCONNECT MODIFIED AT CEILING FOR GAS FIRED RADIANT HEAT CONTROLS. PROVIDE ALL REQUIRED DEVICES

  AT CEILING FOR GAS FIRED RADIANT HEAT CONTROLS. PROVIDE ALL REQUIRED DEVICES

  AND ADDRESS OF THE WORKING SYSTEM COORDINATE FXACT LOCATIONS. AND EQUIPMENT TO MAKE A COMPLETE WORKING SYSTEM. COORDINATE EXACT LOCATIONS WITH ALL OTHER CONTRACTORS.
- BAY EXHAUST FANS: BAY AREA EXHAUST FANS SHALL BE ROOF MOUNTED. COORDINATE EXACT LOCATIONS WITH M.C.
- ELECTRICAL CONTRACTOR TO COORDINATE EXACT POWER REQUIREMENT WITH PAINT MIX ROOM MANUFACTURER AND MAKE POWER PROVISION ACCORDINGLY.
- JUNCTION BOX FOR HAND DRYER. COORDINATE MOUNTING HEIGHT TO COMPLY WITH ADA.
- E.C. SHALL COORDINA ARCHITECT/OWNER. E.C. SHALL COORDINATE EXACT LOCATION OF THE LIGHTING RELAY PANEL "LRP" WITH







**I** WIRE

6.04

3.32

1.33

PER PHASE (KVA)

6.04

3.46

0.33

9.50

5.50

3.71

12.75

0.00

1.75

42.40 43.05 42.48

1.75

5.32

3.46

9.50

6.97

12.75

0.00

0.00

MINIMUM BRANCH | LOAD | LOAD

3#6, #10G, 3/4"C 4.90 E

3#10, #10G, 3/4"C 2.90 E

2#12, #12G, 3/4"C | 1.00 | L

3#4, #8G, 1"C 5.50 M

3#4, #8G, 1"C

1.10 | 2#12, #12G, 3/4"C | 0.50 | L

4#1, #6G, 1 1/4"C | 11.75 | E

2#12, #12G, 3/4"C 0.40 R

CIRCUIT

(KVA) TYPE

4.90 E

4.90 E

2.90 E

2.90 E

5.50 M

5.50 M

5.50 M

5.50 M

11.75 E

11.75 E

3.38 | 2#10, #10G, 3/4"C | 2.88 | H | PAINT MIX ROOM

MIN,

TYPE (KVA) CIRCUIT

LOAD LOAD MINIMUM BRANCH

M 0.42 2#12, #12G, 3/4"C

M 0.33 M 0.33 2#12, #12G, 3/4"C

M 0.50 2#12, #12G, 3/4"C

M | 1.47 | 2#12, #12G, 3/4"C

2#12, #12G, 3/4"C

2#12, #12G, 3/4"C

2.00 2#8, #10G, 3/4"C 2.00

2#8, #10G, 3/4"C

2#8, #10G, 3/4"C

0.60 2#12, #12G, 3/4"C 12.35

0.40 2#12, #12G, 3/4"C 0.80

M 0.10 2#12, #12G, 3/4"C 5.60

0.60 2#12, #12G, 3/4"C

1.00 2#12, #12G, 3/4"C

1.00 | 2#12, #12G, 3/4"C

1.75 2#10, #10G, 3/4"C

600A

M 1.14

M 1.14

M 0.42

M 0.56 M 0.56

4.00

3.71

H 1.75

TOTAL LOAD (KVA)

H 4.00

PANEL:

**208Y/120** VOLTS,

MAIN CB 600A

3

11

15

21

23

33

13

17

CKT NO. AMPS

2<sup>20</sup> EF-1-C4

20 EF-5

40 SPRAY BOOTH LIGHTS

5 7 P 2 P EF-2-C4

25 20 CP-1

27 20 SPARE

29 20 AH-1

35 | 20 | RAD-1,4

37 20 RAD-2,3

45 20 SPARE

47 20 SPARE

53 20 SPARE

51 2P-30

39 20 EXTERIOR SIGN-C3

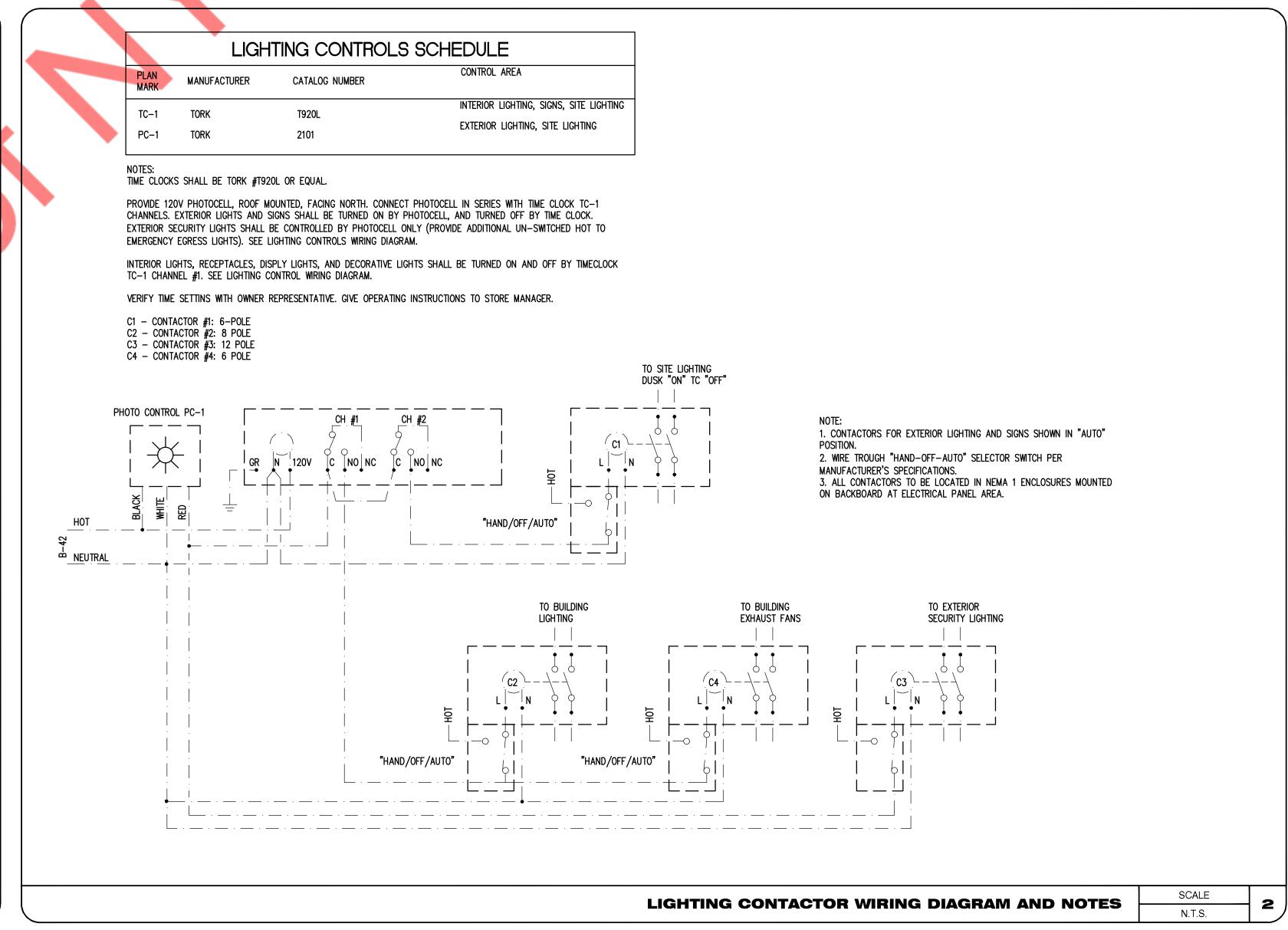
41 20 EXTERIOR SIGN-C3

43 20 CEILING RECEPTACLE-C3

**3** | PHASE,

DESCRIPTION OF LOAD

BUS



|      |       | •    |       | •    |        | -   |       |             |      |      |         |  |
|------|-------|------|-------|------|--------|-----|-------|-------------|------|------|---------|--|
| ANEL | SCHE  | DULE | GENE  | RAL  | NOTES: |     |       |             |      |      |         |  |
| 1.   | PRO\  | /IDE | HACE  | R BR | EAKER  | S   | FOR H | IVAC        | EQU  | IPME | ENT.    |  |
| 2.   | C -   | CIR  | CUIT  | VIA  | DESIGN | TA  | ED LI | GHTII       | NG C | ONTA | ACTOR.  |  |
| 3.   | GFI · | – Pf | ROVID | E G  | FCI BR | REA | KER F | OR          | CIRC | JIT. |         |  |
| 4.   | L -   | PRO  | VIDE  | LOC  | K-ON   | A٦  | TACHN | <b>JENT</b> | FOF  | R BR | EAKER.  |  |
| 5.   | IG-   | ISOL | ATED  | GRC  | DUND.  |     |       |             |      |      |         |  |
| 6.   | PRO\  | /IDE | SWD,  | /HID | RATE   | ) E | BREAK | ERS         | FOR  | LIG  | HTING 🥖 |  |

CIRCUITS.

MOUNTING:

DESCRIPTION OF LOAD

TRUCK BOOTH

CURE OVEN

CURE OVEN LIGHTS

G11-FF AIR COMPRESSOR

G11-FF AIR COMPRESSOR

CEILING RECEPTACLE-C3

SPARE

SPARE

SPARE

SPARE

SPARE

SPARE

PYLON SIGN-C1

TO PANEL B

SURFACE

TRIP CKT

8

10

20 | 14

16

3<sup>0</sup> | 18

38 22 24 24

30 32

20 34

20 36

38.725 40

20 44

20 46

20 48

20 50

20 52

20 54

38

42

26

28

12

AMPS NO.

| PANEL:   | В      |           |             |           |       |         |                            |       |            | <u> </u>          | Ι                                |       |            |                         | MOUNTING:          |  |
|----------|--------|-----------|-------------|-----------|-------|---------|----------------------------|-------|------------|-------------------|----------------------------------|-------|------------|-------------------------|--------------------|--|
| 208Y/120 | VOLTS, |           | 3           | PHASE,    |       |         | 4                          | WIRE  |            |                   |                                  |       |            |                         |                    |  |
|          | 125A   | MLO       |             | BUS       | 125A  |         | MIN,                       |       |            |                   |                                  |       |            |                         |                    |  |
|          |        |           |             |           |       |         |                            |       |            |                   |                                  |       |            |                         |                    |  |
| CKT NO.  | TRIP   |           | DESCRIPTIO  | NOE LOAD  | LOAD  | LOAD    | MINIMUM BRANCH             | PEI   | R PHASE (K | VA)               | MINIMUM BRANCH                   | LOAD  | LOAD       |                         | ESCRIPTION OF LOA  |  |
| CKT NO.  | AMPS   |           | DESCRIPTION | V OF LOAD | TYPE  | (KVA)   | CIRCUIT                    | Α     | В          | С                 | CIRCUIT                          | (KVA) | TYPE       |                         | ESCRIPTION OF LOP  |  |
| 1        | 20     | OFFICE RE | CEPTACLES   |           | R     | 0.90    | 2#12, #12G, 3/4"C          | 1.26  |            |                   | 2#12, #12G, 3/4"C                | 0.36  | R          | RESTROOM                | 1 RECEPTACLES-GFI  |  |
| 3        | 20     | POWERPO   | DLE RECEPTA | CLE -IG   | R     | 0.40    | 2#12, #12G, 3/4"C          |       | 0.94       |                   | 2#12, #12G, 3/4"C                | 0.54  | R          | BREAKROO                | M RECEPTACLES-G    |  |
| 5        | 20     | POWERPO   | DLE RECEPTA | CLE -IG   | R     | 0.40    | 2#12, #12G, 3/4"C          |       |            | 1.40              | 2#12, #12G, 3/4"C                | 1.00  | R          | BREAKROO                | M MICROWAVE-GF     |  |
| 7        | 20     | SALES REC | CEPTACLES   |           | R     | 0.54    | 2#12, #12G, 3/4"C          | 1.04  |            |                   | 2#12, #12G, 3/4"C                | 0.50  | R          | DRINKING FOUNTAIN-GFI   |                    |  |
| 9        | 20     | SALES REC | CEPTACLES   |           | R     | 0.72    | 2#12, #12G, 3/4"C          |       | 1.14       |                   | 2#12, #12G, 3/4"C                | 0.42  | L          | EXTERIOR L              | LIGHTS-C3          |  |
| 11       | 20     | SMCP-L    |             |           | Е     | 0.10    | 2#12, #12G, 3/4"C          |       |            | 0.52              | 2#12, #12G, 3/4"C                | 0.42  | L          | EXTERIOR I              | EXTERIOR LIGHTS-C3 |  |
| 13       | 20     | SPARE     |             |           |       |         | 0.68                       |       |            | 2#12, #12G, 3/4"C | 0.68                             | L     | SERVICE B/ | AY LIGHTING-C2          |                    |  |
| 15       | 20     | SPARE     |             |           |       |         |                            |       | 0.95       |                   | 2#12, #12G, 3/4"C                | 0.95  | L          | SERVICE BAY LIGHTING-C2 |                    |  |
| 17       | 20     | HAND DR   | YER         |           | Н     | 1.00    | 2#12, #12G, 3/4"C          |       |            | 1.62              | 2#12, #12G, 3/4"C                | 0.62  | L          | EMERGENC                | CY LIGHTING-C2     |  |
| 19       | 20     | LOUVER -  | 1,2,3,4     |           | М     | 0.50    | 2#12, #12G, 3/4"C          | 1.45  |            |                   | 2#12, #12G, 3/4"C                | 0.95  | L          | MASKING F               | BAY LIGHTING-C2    |  |
| 21       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       | 2.04       |                   | 2#12, #12G, 3/4"C                | 0.84  | L          | DELIVERYB               | AY, OFFICEL LIGHTI |  |
| 23       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       |            | 2.20              | 2#12, # <mark>12</mark> G, 3/4"C | 1.00  | Н          | HAND DRY                | ER                 |  |
| 25       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          | 2.40  |            |                   | 2#12, #12G, 3/4"C                | 1.20  | R          | DELIVERY E              | BAY RECEPTACLES-G  |  |
| 27       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       | 2.40       |                   | 2#12, #12G, 3/4"C                | 1.20  | R          | DELIVERY E              | BAY RECEPTACLES-G  |  |
| 29       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       |            | 2.40              | 2#12, #12G, 3/4"C                | 1.20  | R          | DELIVERY E              | BAY RECEPTACLES-G  |  |
| 31       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          | 2.40  |            |                   | 2#12, #12G, 3/4"C                | 1.20  | R          | DELIVERY E              | BAY RECEPTACLES-G  |  |
| 33       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       | 1.92       |                   | 2#12, #12G, 3/4"C                | 0.72  | R          | DRY STORA               | AGE RECEPTACLES -  |  |
| 35       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       |            | 2.40              | 2#12, #12G, 3/4"C                | 1.20  | R          | MASKING F               | BAY RECEPTACLES-G  |  |
| 37       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          | 2.40  |            |                   | 2#12, #12G, 3/4"C                | 1.20  | R          | MASKING F               | BAY RECEPTACLES-G  |  |
| 39       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12 <b>G, 3/</b> 4"C |       | 2.40       |                   | 2#12, #12G, 3/4"C                | 1.20  | R          | MASKING F               | BAY RECEPTACLES-G  |  |
| 41       | 20     | SERVICE E | BAY RECEPTA | CLES-GFI  | R     | 1.20    | 2#12, #12G, 3/4"C          |       |            | 1.30              | 2#12, #12G, 3/4"C                | 0.10  | L          | LRP                     |                    |  |
|          |        |           |             |           | TOTAL | LOAD (K | VA)                        | 11.63 | 11.79      | 11.84             |                                  |       |            |                         |                    |  |

SURFACE

TRIP CKT

AMPS NO.

20 2

20 4

20 6

20 8

20 10

20 12

20 14

20 16

20 18

20 20

20 22

20 24

20 26

20 28

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20 | 38

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