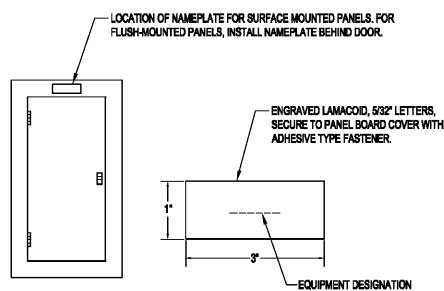


LOAD SUMMARY: P1A & P1B					120/208V 3Ø, 4W SUPPLY
DESCRIPTION	ACTUAL CONNECTED KW/KVA	POWER FACTOR	N.E.C. CONNECTED KW/KVA	N.E.C. DEMAND FACTOR	N.E.C. DEMAND KVA
LIGHTING	18.3	1.00	18.3	1.25	22.9
TRACK LIGHTING	0.0	1.00	0.0	(75VA X 07) / 1000	0.0
SHOW WINDOW LIGHTING ALLOWANCE	0.7	1.00	0.7	(28" X 0.200)	4.5
RECEPTACLES	0.7	1.00	0.7	1.0 x 10KW 0.5 REMAINING KW	0.7
MOTORS	0.0	1.00	0.0	1.25	0.0
HVAC	11.5	1.00	11.5	1.00***	11.5
ELECTRIC WATER HEATER	1.5	1.00	1.5	1.25	1.9
MISCELLANEOUS	10.1	1.00	10.1	1.00	10.1
TOTAL	42.8		42.8		51.8

NOTES:
* N.E.C. ARTICLE 220.45 REQUIREMENT (200VA PER FOOT OF SHOW WINDOW) MINUS ACTUAL INSTALLED SHOW WINDOW LIGHTING VA.
** BASED ON CURRENT LIMITING DEVICES
*** LOAD CALCULATIONS BASED ON MCA

N.E.C. DEMAND KVA x 1000 = MINIMUM FEEDER AMPERAGE
SYSTEM VOLTAGE x √3
51.8 X 1000
208 x 1.73 = 143.4 AMPS

EXISTING 200A SERVICE TO BE RE-USED

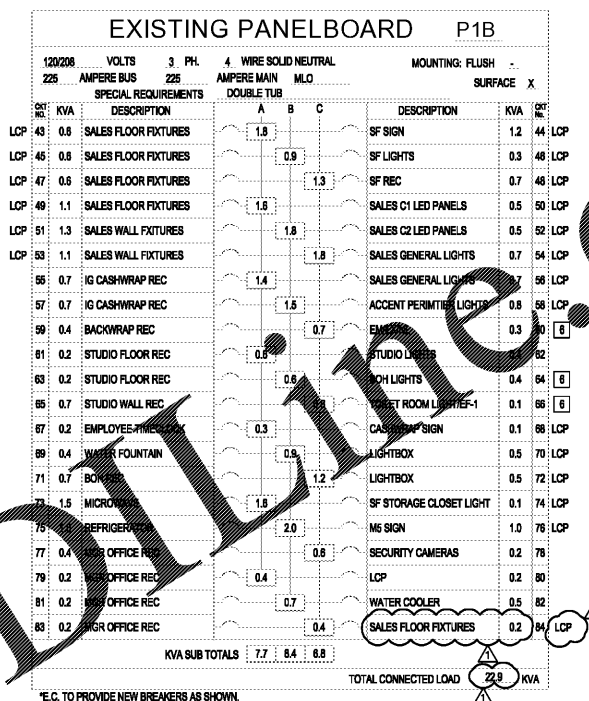
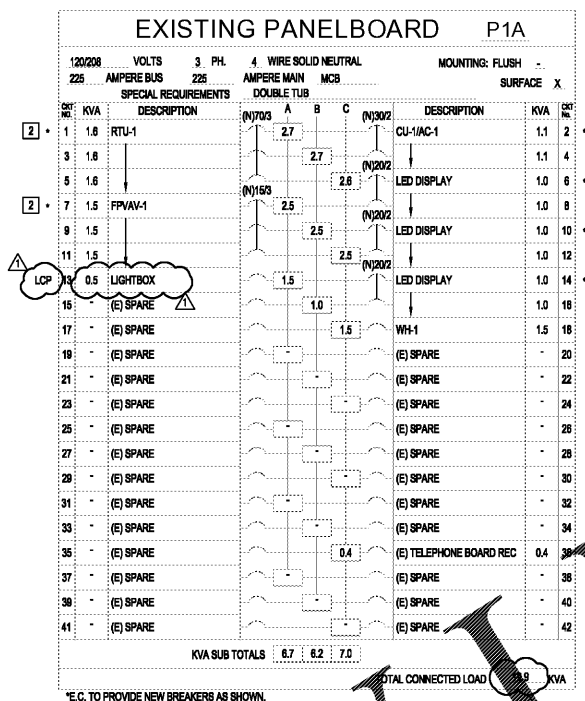


NOTE:
NAMEPLATES ARE REQUIRED ON ALL SWITCHBOARDS, DISTRIBUTION PANELS, PANEL BOARDS, STARTERS, DISCONNECT SWITCHES, RELAYS AND JUNCTION BOXES GREATER THAN 4 1/16\"/>

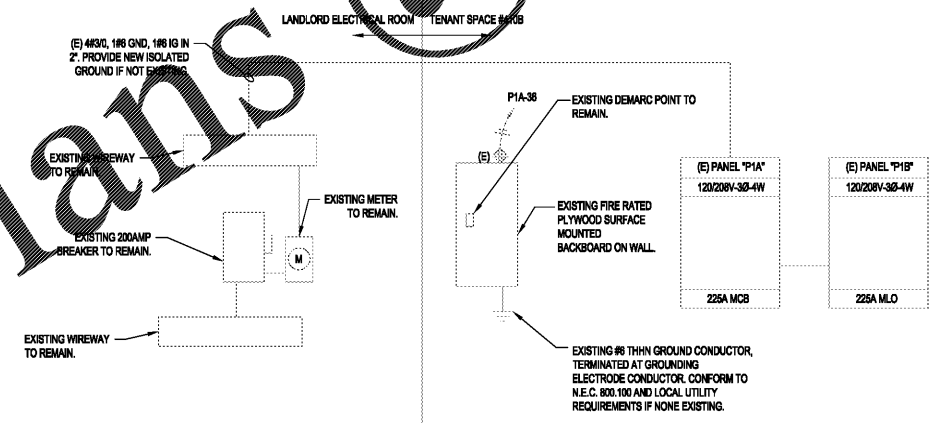
- STANDARD COLORS:
1. NORMAL POWER - BLACK BACKGROUND, WHITE LETTERS
2. EMERGENCY POWER - RED BACKGROUND, WHITE LETTERING
3. IN ADDITION TO THE FUNCTION NAMEPLATE, PROVIDE NAMEPLATES IDENTIFYING ALL "MAIN SERVICE NAMEPLATE DISCONNECTS" - RED BACKGROUND - WHITE LETTERING

NAMEPLATE DETAIL
N.T.S.

- PANELBOARD NOTES
1. [Symbol] INDICATES BREAKER SHALL BE "SWD" RATED.
 2. [Symbol] INDICATES BREAKER SHALL BE "MCCR" RATED.
 3. [Symbol] INDICATES BREAKER SHALL BE 5 mA "G.F.I." TYPE.
 4. [Symbol] INDICATES BREAKER SHALL BE SHUNT-TRIP TYPE.
 5. [Symbol] INDICATES BREAKER TO BE "ARC-FAULT" TYPE.
 6. [Symbol] INDICATES BREAKER TO HAVE LOCK-ON CLIP.
 7. [Symbol] INDICATES BREAKER TO HAVE LOCK-ON CLIP AND RED MARKING.
 8. "LCP" INDICATES CIRCUIT TO BE CONTROLLED VIA LIGHTING SYSTEM. COORDINATE WITH CAPITAL LIGHT FOR FINAL DESIGN.
 9. ALL BREAKERS SHALL BE 20AMP, UNLESS NOTED OTHERWISE.



- ONE-LINE DIAGRAM NOTES
1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL POWER COMPANY REQUIREMENTS PRIOR TO BIDDING & INCLUDE THE COST OF ALL ASSOCIATED LABOR, MATERIALS, & CHARGES IN HIS BID.
 2. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE UTILITY COMPANY PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATED ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWING SUBMITTAL.
 3. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.
 4. ALL WALL-MOUNTED EQUIPMENT SHALL BE MOUNTED ON 3/4\"/>



ELECTRICAL ONE-LINE DIAGRAM
N.T.S.
120/208V-3Ø-4W

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NO.	DATE	DESCRIPTION
1	09/04/2018	PERMIT/BID SET

DATE: 08/20/2018
DRAWN BY: STAFF
PROJECT NO.: 18125
FILE NAME: 2018-0918 E3.0.dwg

ELECTRICAL
ONE-LINE DIAGRAM
& PANEL
SCHEDULES

E3.0

GRAPHIC SCALE