

AMALABLE SHORT CIRCUIT RATINGS FOR THE SERVICE DISTRIBUTION EQUIPMENT AND PANELS HAVE BEEN ESTIMATED BASED ON AN ASSUMED SERVICE TRANSFORMER SIZE AND IMPEDANCE. FAULT CURRENTS HAVE BEEN CACILLATED ASSUMING AN "INFINITE BUS" AT THE SERVICE TRANSFORMER PRIMARY ACTUAL ANNUABLE SHORT CIRCUIT CURRENT AT THE SERVICE DISTRIBUTION EQUIPMENT WAS UPDEPEND UPON THAN JUTLIN'S COMPANY TRANSFORMER SELECTION AND PRIMARY FAULT CACILLATIONS. THE ANNUABLE SHORT CIRCUIT CURRENT MAY HAVE FROM THE EXORNER'S CACILLATED VALUES. THE CONTRICTOR SHALL GISTRIAN THE ACTUAL TRANSFORMER AND ABLE SHORT CIRCUIT INFORMATION FROM THE ELECTRICAL UTILITY PROVIDER AT THE THE OF CONSTRUCTION AND PRIMARY CONTRIBUTION FROM THE SHORT OF THE PROPERTY OF THE THEO OF CONSTRUCTION AND PRIOR TO TO PROPER DISTRIBUTION DEUPHENT AND PANELS. THIS INFORMATION SHALL BE USED TO DETERMINE EXACT ALC, RATINGS WEFFER FOR THIS EQUIPMENT THAN SHALL BE FUNDED. DED FOR THIS EQUIPMENT. THIS INFORMATION SHALL BE PROVIDED TO THE ENGINEER APPROVAL PRIOR TO ORDERING EQUIPMENT. UTILITY CONTACT: (insert utility name/contact person/phone number

FAULT CU	RRENT	. (CALCUI	_AT	ION		
AVAILABLE FAULT CURRENT AT SERVICE ENTRANCE							11,248
"C" FACTOR (#3/0 CU COND.)							13,923
NUMBER OF CONDUCTORS PER PHASE							2
LINE TO LINE VOLTAGE							208
LINE TO NEUTRAL VOLTAGE							120
LENGTH OF SERVICE							20
F= -	11,248	Х	1.73	Χ	20	- =	0.07
r=	2	Х	13,923	Х	208		
M=	1	_	1			_	0.94
	1+0.07	_	1.07			_	
Isc AT PANEL TB=	11,248	Х	0.94			=	10,539

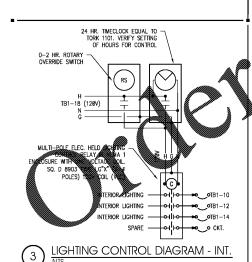
PANELS TB&TB2 SERIES RATED WITH T-FUSES FOR

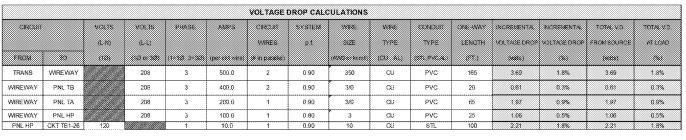
MAIN SERVICE SWITCH IS RATED IN EXCESS OF 30,000 WITH FUSES INDICATED ON RISER. PROVIDE PANELS THAT ARE SERIES RATED FOR TOKAIC WITH CLASS T FUSES PER MANUFACTURES TESTING AND PUBLISHED DOCUMENTS. MANUFACTURE PROVIDE LABELS PER NEC SERIES RATING.

any changes to the supply power, or internal electrical system, that could cause this utility furnished or calculated value to increase, shall be evidence that a qualified person repeat the calculations and make adjustments to the system becoured.

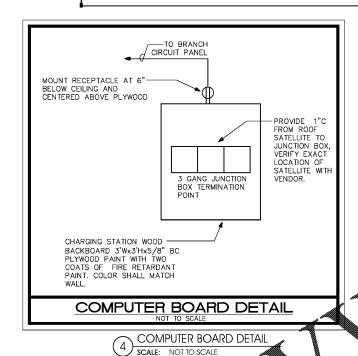
(CHANGE THIS LABEL TO REFLECT REVISED DATA AND NEW DATE.)
PLACE ON A VISIBLE SURFACE OF THE SERVICE ENTRANCE DISCONNECT. USE A LABEL THAT HAS MINIMUM 1/8" HIGH LETTERING AND SUITABLE FOR THE ENVIORNMENT AT THE LOCATION.

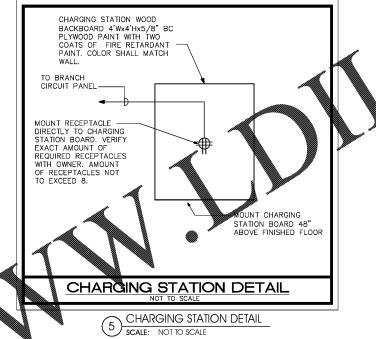
ELECTRICAL FAULT CALCULATIONS 2 ELECTRICAL FAU SCALE: NOT TO SCALE





VOLTAGE DROP CALCULATIONS
SCALE: NOT TO SCALE





EXISTING ELECTRICA TION SYSTEM EXTERIOR ILDING WIRE WAY 2 SET OF [(4) #3/0 CU 1#3 GND IN 2"C.] TENANT B METER 2 SETS OF [(4) #3/0 CU 1#3 GND IN 2"C.] PANEL TB2 400A MLO 208Y/120V 3ø, 4W 400/3P 208Y/120V NEMA 3R DISCONNECT SWITCH 400AF "T" FUSES BUSS JJN-400 [4 #350 KCMIL CU, IN 4"C]

ELECTRICAL RISER

6 SCALE: NOT TO SCALE

\$_M MOTOR RATED SWITCH TOGGLE SWITCH (x) DENOTES CONTROL LABEL **©** OCCUPANCY SENSOR 60 PHOTOCFLL OR DAYLIGHT SENSOR 1 TIMECLOCK OWER φ INGLE RECEPTACLI -⇉ ECEPTACLE DENOTES ISOLATED GROUND RECEPTACLE DENOTES GFCI PROTECTED PURPOSE RECEPTACLE (AS NOTED) FPHONE OUTLET DATA OUTLET VOICE/DATA COMBINATION OUTLET JUNCTION BOX SYMBOL IN SQUARE DENOTES FLOORMOUNTED MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT 7777 PANELBOARD FUSED DISCONNECT SWITCH, RATING AS NOTED. NON-FUSED DISCONNECT SWITCH, RATING AS NOTED. FIRE ALARM F FIRE ALARM PULL STATION NOM. 42" A.F.F. PER ADA ₽F FIRE ALARM AUDIO/VISUAL STATION 80" A.F.F. PER ADA ÞΕ FIRE ALARM VISUAL STATION 80" A.F.F. PER ADA FIRE ALARM AUDIO STATION 80" A.F.F. PER ADA REMOTE INDICATOR LIGHT/TEST SWITCH FOR DUCT SMOKE DETECTORS DUCT SMOKE DETECTOR WITH REMOTE INDICATOR LIGHTS AND TEST **—**⟨\$⟩ (SD) SMOKE DETECTOR € FLOW SWITCH TS TAMPER SWITCH FIRE ALARM CONTROL PANEL FIRE ALARM ANNUNCIATOR PANEL BBREVIATIONS ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE GROUND FAULT INTERRUPT ON CENTER EXISTING TO REMAIN TANDARD MOUNTING HEIGHTS A.F.F (IN.) DESCRIPTION AUDIBLE APPLIANCES ANNUNCIATOR PANELS CLOCK OUTLETS (CENTERLINE) CONTROLS (CENTERLINE) EXIT SIGNS (WALL MOUNTED, BOTTOM) FIRE ALARM ANNUNCIATOR PANEL (DISPLAY) FIRE ALARM BELL (EXTERIOR) FIRE ALARM CONTROL PANEL/UNIT (DISPLAY) INTERCOM (AREA ONLY) PANELS/PANELBOARDS (TOP) PULL STATIONS (HANDLE) PHOTOCELLS RECEPTACLES (CENTERLINE) RECEPTACLES (GARAGES) RECEPTACLES IN EQUIPMENT ROOMS REMOTE INDICATING LIGHT (EQUIPMENT ROOMS) REMOTE INDICATING LIGHT (FINISHED AREAS) SAFETY SWITCHES STARTERS SWITCHES (CENTERLINE) 1048",1036" TELEPHONES (PUBLIC) TELEPHONE DATA OUTLETS (CENTERLINE) TELEPHONE TERMINAL BOARD (BOTTOM) TELEVISION OUTLETS VISIBLE APPLIANCES (CENTERLINE)

LEGEND (NOT ALL SYMBOLS ARE USED WITHIN THIS SET OF DRAWINGS)

SURFACE MOUNTED OR RECESSED EMERGENCY LIGHTING FIXTURE

EXIT LIGHT (HATCHING DENOTES FACE)

SWITCH (P) PILOT LIGHT (R) ROTARY SWITCH

IGHTING

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INTERPLAN ENGINEERING INTERIOR DESIGN

MANAGEMENT

CA 8660 SUITE 100 NDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124

TIS NOT FOR CONSTRUCTION

04.04.18 PERMIT SUBMIT 03.26.18 OWNER REVIEW 03.23.18 OWNER REVIEW EVISIONS

SHERWIN **WILLIAMS**

8909 IMMOKALEE ROAD NAPLES, FL 34120

PROJECT NO: 2018.0102 DATE: 03.19.18

> E301 ELECTRICAL DETAILS

HECKED: SN DRAWN: CJB