

6 POLE MECHANICALLY HELD RELAY IN NEMA 1 ENCLOSURE AND LINE VOLTAGE COIL WITH AUXILIARY MODULE FOR 2 WIRE MAINTAINED 120VAC CONTROL RELAY SHALL BE EQUAL TO ASCO 911 SERIES WITH * 41 AUXILIARY MODULE

12 POLE MECHANICALLY HELD RELAY IN NEMA 1 ENCLOSURE AND LINE VOLTAGE COIL WITH ACCESSORY * 41 AUXILIARY MODULE FOR 2 WIRE MAINTAINED 120VAC CONTROL RELAY SHALL BE EQUAL TO ASCO 911 SERIES

- TIMECLOCK T103 NOTES:**
- LIGHTING SHALL BE 'ON' AT 11:00AM AND 'OFF' AT 11:00PM (MIDNIGHT)
 - DURING SET 'ON' TIME LIGHTING TO BE CONTROLLED BY PHOTOSENSOR
- TIMECLOCK T103 NOTES:**
- LIGHTING SHALL BE 'ON' DAILY FROM 8:00AM TO 11:00PM
 - DURING SET 'OFF' TIME LIGHTING TO BE CONTROLLED BY MANUAL OVERRIDE SWITCH

- SAGE NOTES:**
- VERIFY IF FB TO SUPPLY AND INSTALL LIGHT SAGE PANEL, CONFIRM WHICH CIRCUITS, IF ANY, ARE TO BE CONNECTED TO THE EMS SYSTEM (SITE SAGE) REGARDLESS OF WHAT IS SHOWN
 - VERIFY REQUIREMENTS WITH POWERHOUSE AND SITE SAGE MANUFACTURER PRIOR TO BID.

1 CONTACTOR TIME CLOCK DETAILS

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS AND EQUIPMENT FOR THE COMPLETE INSTALLATION
- ALL SWITCHES ARE TO BE # 46" AFF. AND ARE TO BE 20A 120/277V T RATED SPEC. GRADE TYPE
- ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE BUILDING CODE, AND ANY OTHER LOCAL CODES AND ORDINANCES
- WORKMANSHIP SHALL BE FIRST QUALITY AND IN ACCORDANCE WITH BEST PRACTICES FOR THE TRADE BY SKILLED WORKERS
- LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE ACTUAL LOCATIONS WITH OTHER TRADES AND THE OWNER OF THE OWNERS AUTHORIZED REPRESENTATIVE
- UNLESS OTHERWISE NOTED, CONDUCTOR INSULATION SHALL BE TYPE THHN, RATED 600V AC AND 15 DIA. C. CONDUCTORS FOR USE IN POWER AND LIGHTING CIRCUITS NO. 10 AND SMALLER SHALL BE SOLID, NO. 8 AND LARGER CONDUCTORS SHALL BE STRANDED. CONDUCTORS FOR USE IN CONTROL AND SIGNAL CIRCUITS SHALL BE NO. 14 STRANDED. ALL CONDUCTORS SHALL BE COPPER
- CONDUIT RUNS SHALL BE INSTALLED PER STATE AND LOCAL CODES

- ALL MATERIALS SHALL BE NEW WITH U.L. APPROVED LABELS
- ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE TESTED AND ADJUSTED FOR PROPER OPERATION. COMPLETE WIRING SYSTEM SHALL BE FREE OF SHORT AND OPEN CIRCUITS
- THE CONTRACTOR SHALL OBTAIN AND PAY ALL FEES AND PERMITS REQUIRED FOR THE CONSTRUCTION OF THE PROJECT
- THE CONTRACTOR SHALL FURNISH THE CERTIFICATE OF ELECTRICAL INSPECTION TO THE OWNER AT THE COMPLETION OF THIS PROJECT
- ALL ELECTRICAL EQUIPMENT SHOWN SHALL BE ELECTRICALLY PROTECTED AND PROPERLY WIRED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. COORDINATE LOCATIONS AND ELECTRICAL DATA WITH THE OWNER
- FLEXIBLE METAL RACEWAYS 6 FEET OR LESS IN LENGTH SHALL BE PROVIDED TO ALL ELECTRICAL EQUIPMENT SUBJECT TO VIBRATION OF MOVEMENT AND FOR ALL MOTORS. LIQUID TIGHT RACEWAYS SHALL BE USED IN WET LOCATIONS
- SUPPLY AND INSTALL NEW ELECTRICAL SERVICE AND PANELS AS SHOWN
- ALL EXISTING CONDUIT AND CONDUCTORS THAT ARE NOT TO BE USED IN THE PROJECT MUST BE REMOVED, OBSOLETE AND DILAPIDATED WIRING AND EQUIPMENT SHALL NOT BE REUSED
- PROVIDE CURRENT LIMITERS ON ALL TRACK LIGHTS. SEE

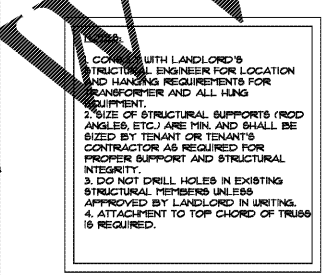
3 NOTES

PANEL: (E)(R) H		PANEL: (E)(R) L	
VOLT: 480Y/277V 3 PHASE, 4 WIRE BUS: 200 AMP MAIN: 200A, 3P		VOLT: 208Y/120V 3 PHASE, 4 WIRE BUS: 225 AMP MAIN: 150A, 3P	
DESCRIPTION	LOAD	DESCRIPTION	LOAD
SALES LIGHTS (Ca)	1 1188	SALES LIGHTS (Cb)	1 1450
SALES LIGHTS (Ca)	3 1188	SALES LIGHTS (Cb)	3 1450
SALES LIGHTS (Ca)	5 1188	SALES LIGHTS (Cb)	5 1450
SALES LIGHTS (Ca)	7 870	SALES LIGHTS (Cb)	7 870
TOILET/OFFICE/STOCK RM LIGHTS (OS)	9 650	NIGHT LIGHTS (LO)	9 650
STOREFRONT SIGNAGE (TC1)	11 1200	EMERIT LIGHTS (LO)	11 1200
STOREFRONT SIGNAGE (TC1)	13 1200	EXTERIOR LIGHTING (TC1)	13 1200
REAR SIGNAGE (TC1)	15 1200	SPARE	16 10
SPARE	17 20	SPARE	18 20
SPARE	19 20	SPARE	20 20
SPARE	21 20	SPARE	22 24
SPARE	23 20	SPARE	24 20
SPARE	25 20	SPARE	25 20
SPARE	27 20	(E)(R) 45 KVA TRANS	27 9980
SPARE	29 20	SPARE	29 9980
AC-1	31 3624	SPARE	31 20
AC-2 (REUSE EXISTING OKT IF POSSIBL)	37 7300	SPARE	37 20
AC-3 (REUSE EXISTING OKT IF POSSIBL)	39 7300	SPARE	39 20
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE	33052	THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE	9330
TOTAL VA PER PHASE	33277	TOTAL VA PER PHASE	9960

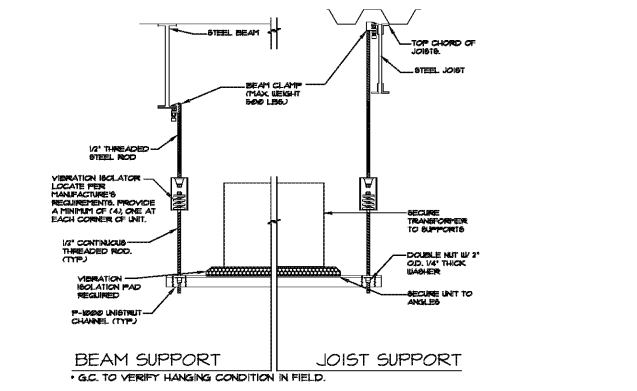
5 ELECTRICAL PANEL SCHEDULES

1. GENERAL LIGHTING LOAD 125% 13036 VA 10429 VA 5% PHASE IMBALANCE 98 TOTAL CONNECTED KVA

2 RISER DIAGRAM



4 HUNG TRANSFORMER DETAIL

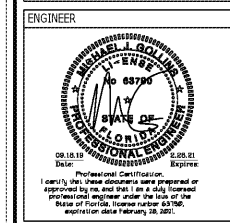
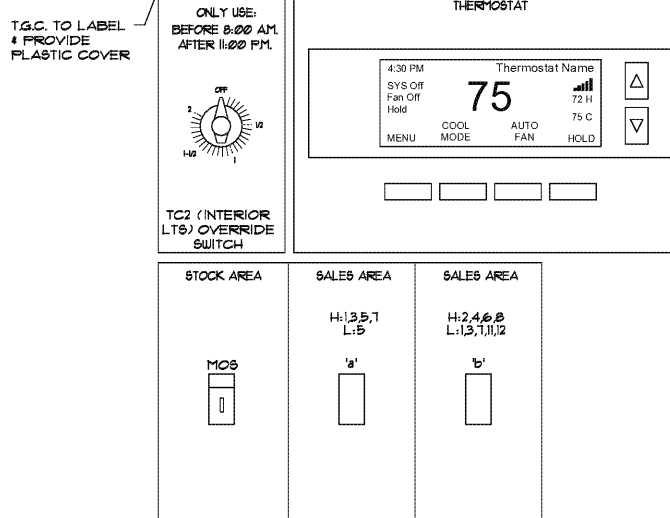
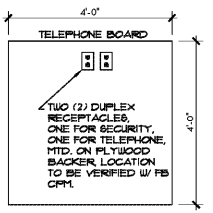


PANEL: (E)(R) H		PANEL: (E)(R) L	
VOLT: 480Y/277V 3 PHASE, 4 WIRE BUS: 200 AMP MAIN: 200A, 3P		VOLT: 208Y/120V 3 PHASE, 4 WIRE BUS: 225 AMP MAIN: 150A, 3P	
DESCRIPTION	LOAD	DESCRIPTION	LOAD
TRACK LIGHTS (Cb)	1 450	SECURITY TEL CO BUZZER	1 20
TRACK LIGHTS (Cb)	3 1440	ROOFTOP SERVICE RECEPTACLE	1 20
CEILING HUNG SIGNAGE RECEPT (Ca)	1 480	OFFICE OC RECEPTACLE	1 20
DISPLAYS/STRIP LIGHTS (Cb)	7 720	SALES RECEPTABLES	10 720
TIMECLOCKS	9 400	SHOW WINDOW RECEPTABLES (Cb)	10 720
PULCK SIGN RECEPTACLE (Cb)	11 180	MANAGER'S DESK RECEPTABLES	12 900
CASHWRAP RECEPTABLES (IG)	13 1500	MANAGER'S DESK RECEPTACLE	14 1200
CASHWRAP RECEPTABLES (IG)	15 1440	MANAGERS CONVENIENCE RECEPTABLES	15 540
CASHWRAP RECEPTABLES (IG)	17 1440	DUCT SMOKE DETECTORS	16 200
DRAWING FOUNTAIN	19 500	BREAKRM MICROWAVE RECEPTACLE	17 1500
TOILET RECEPTABLES	21 360	BREAKRM REFRIGERATOR RECEPTACLE	18 2280
STOCK RM CONVENIENCE RECEPTACLE	23 1080	COKE COOLER RECEPTACLE	19 1200
CORRIDOR CONVENIENCE RECEPTACLE	25 360	VITAMIN H2O COOLER RECEPTACLE	20 1200
BREAKROOM RECEPTABLES	27 360	POWERADE COOLER RECEPTACLE	21 1200
DUCT SMOKE DETECTORS	29 300	H2O COOLER RECEPTACLE	22 1000
EF-1 & EF-2	31 200	RED BULL COOLER RECEPTACLE	23 1000
EW-1	33 1500	SPARE	24 36
M-MOTOR LOADS	35 1500	SPARE	25 36
K-KITCHEN RECEPTABLES	37 500	SPARE	26 40
SDT	39 500	SPARE	27 42
SPARE	41 20	SPARE	28 40
THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE	0	THROUGH FEED OR DOUBLE LUG TOTAL VA PER PHASE	0
TOTAL VA PER PHASE	9330	TOTAL VA PER PHASE	9960

6 MASTER LIGHTING SWITCH BANK

1. GENERAL LIGHTING LOAD 125% 2038 VA 1630 VA 7% PHASE IMBALANCE 29 TOTAL CONNECTED KVA

- NOTES:**
- VERIFY TENANT/LANDLORD SCOPE OF WORK PRIOR TO BID.
 - TELEPHONE CONDUIT W/ FULL STRING TO HAVE 25 PAIR WIRE FROM LANDLORD ROOF TO TENANT SPACE (BY T.G.C.)
 - ELECTRICAL CONTRACTOR TO INSTALL PANELS IN A CLOSE COMPACT LAYOUT AS REQUIRED. PROVIDE TRANSFORMER DISCONNECT AS REQUIRED BY ALL APPLICABLE CODES
 - ALL SHOW LIGHT AND DASHED IS EXISTING (OR PROVIDED BY T.G.C.) AND ALL SHOWN SOLID AND HEAVY IS NEW UNLESS NOTED OTHERWISE.
 - FIELD VERIFY ALL ASSUMPTIONS MADE IN THIS DIAGRAM PRIOR TO BID. ENGINEER DID NOT VISIT SITE!
 - ONLY USE 1 DAY TIMECLOCK IN BLUE LAMP AREAS. OTHERWISE USE A 24 HOUR TIMECLOCK
 - EXISTING CONDITIONS MUST BE CONFIRMED PRIOR TO BID. BRING ANY DISCREPANCIES TO ARCHITECTS ATTENTION FOR CLARIFICATION.
 - RELOCATE EXISTING PANEL # 4 TRANSFORMER TO NEW LOCATION (LESS THAN 20' AWAY). REWORK PANEL PER FIELD CONDITIONS.



ARCHITECTURAL SEAL

DATE ISSUE			
NO.	DATE	REVISION	NAME

PROJECT NAME / LOCATION
fiv BELOW
NORTH LAKELAND
919 LAKELAND PARK CENTER DRIVE
LAKELAND, FL 33809

PROJECT INFORMATION
DATE: SEPTEMBER 18, 2019
PROJECT NO.: 190636
DELIVERY TYPE: AS-IS

DRAWN: _____
CHECKED: _____
SHEET TITLE / NUMBER
E3.0