

ELECTRICAL SYMBOLS LIST		ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT	
	• SINGLE RECEPTACLE: 20A HUBBELL HBL5361W 18" TO CENTER UNO		• CONDUIT TURNING DOWN
	• DUPLEX RECEPTACLE: 20A HUBBELL HBL5362W (NEMA 5-20R) 18" TO CENTER UNO, WHITE		• CONDUIT TURNING UP
	• DUPLEX GFI RECEPTACLE: 20A HUBBELL GFG5362W 18" TO CENTER UNO, WHITE		• PANELBOARD - MOUNT AT 6'-6" TO TOP
	• FOURPLEX RECEPTACLE - (2) 20A DUPLEX 18" TO CENTER UNO	Su	• H.P. RATED MANUAL MOTOR STARTER (WP WHERE OUTSIDE)
	• FOURPLEX GFI RECEPTACLE - (2) 20A GFI DUPLEX 18" TO CENTER UNO		• MOTORIZED DAMPER
	• FOURPLEX IG RECEPTACLE - (2) 20A IG DUPLEX 18" TO CENTER UNO	Sp	• SINGLE POLE SWITCH W/PILOT LIGHT AT 44" AFF OR AS NOTED. 20A, HUBBELL 1221-PLC/1221-PLC C7
	• WEATHERPROOF COVERS: FOR SINGLE RECEPTACLES, 'TAYMAC' MODEL NO. MM410C FOR DUPLEX RECEPTACLES, 'HUBBELL' MODEL NO. WP826MP	WF	• WATER FLOW SWITCH
	• IG COMPUTER RECEPTACLE AT 18" AFF TO CENTER UNO, HUBBELL #IG5362 ORANGE	TS	• TAMPER SWITCH
	• SPECIAL RECEPTACLE AS NOTED ON DRAWINGS 18" TO CENTER UNO	C	• DOOR CONTACT, SEE DETAIL 5/E3.0
	• DATA/TELEPHONE BOX & WHITE COVER PLATE AT 18" AFF TO CENTER UNO. PROVIDE 3/4" CONDUIT WITH PULL STRING TO 8" A.F.C.	AF	• ABOVE FINISHED CEILING
	• JUNCTION BOX IN ACCESSIBLE LOCATION	TMB	• 3/4" PLYWOOD TELEPHONE MOUNTING BOARD WITH #6 CU. GROUND AND DEDICATED DUPLEX CONVENIENCE RECEPTACLES AS SHOWN ON PLANS. FURNISH IN ACCORDANCE WITH TELCO REQUIREMENTS. SIZE AS NOTED
	• JUNCTION BOX MTD. IN JOIST AREA. CONDUITS CONNECTED BETWEEN SUCH BOXES SHALL BE ROUTED IN JOIST AREA	WP	• WEATHERPROOF (RAIN TIGHT)
	• INDICATES CIRCUIT IN CONDUIT RUN BELOW SLAB	SES	• SERVICE ENTRANCE SECTION
	• INDICATES CIRCUIT IN CONDUIT CONCEALED IN WALLS OR ABOVE CEILING	EWC	• ELECTRIC WATER COOLER
	• INDICATES HOMERUN TO PANELBOARD OR AS NOTED	UNO	• UNLESS NOTED OTHERWISE
	• EMS NATIONAL ACCOUNTS VENDOR PUSH-BUTTON OVERRIDE - FURNISHED BY EMS NATIONAL ACCOUNTS VENDOR, INSTALLED & WIRED BY EC	G	• CONDUIT
	• LAY-IN SPEAKER - REFER TO 1/EDC AND EDC SYMBOLS LISTS FOR FURTHER INFORMATION. NO CONDUIT STUB NEEDED	EF	• EXHAUST FAN - 120V. UNLESS OTHERWISE NOTED
	• ONE-WAY FLEX HORN - REFER TO 1/EDC AND EDC SYMBOLS LISTS FOR FURTHER INFORMATION. NO CONDUIT STUB NEEDED	GFCI	• GROUND FAULT CIRCUIT INTERRUPTER
	• PENDANT MOUNTED SPEAKER - REFER TO 1/EDC AND EDC SYMBOLS LISTS FOR FURTHER INFORMATION. NO CONDUIT STUB NEEDED	IG	• ISOLATED GROUND
	• DOOR BUZZER EDWARDS #1065-G5, 24V, 6 WATT, WITH LOUVERED COVER PLATE	SACP	• SPRINKLER ALARM CONTROL PANEL
	• DOOR HORN EDWARDS #867AQ, 24V, 4.8 WATT	S	• SENSOR - SEE MECHANICAL & ELECTRICAL SHEETS FOR EXACT LOCATIONS. SENSORS (GENERAL) AT 80" AFF TO CENTER UNO.
	• PUSH-BUTTON - LOW VOLTAGE (24VOLT, 10.0 AMP AC, 4.0 AMP DC) AT VESTIBULE PROVIDE - EDWARDS #690-W - FLUSH MOUNT WITH SNAP FIT MOUNTING, INSTALLED AT 42" A.F.F. AT RECEIVING PROVIDE - EDWARDS #691-W - FLUSH MOUNT WITH LOCKNUT FIT MOUNTING, INSTALLED AT 42" A.F.F.	H	• COMBINATION TEMPERATURE / HUMIDITY SENSOR - SEE MECHANICAL PLANS. SENSORS (GENERAL) AT 90" AFF - UNO.
	• VOLUME CONTROL, BY OTHERS - PROVIDE SINGLE GANG BOX AT 42" AFF UNO & 1/2" CONDUIT TO CEILING SPACE	T	• ADJUSTABLE THERMOSTAT - SEE MECHANICAL PLAN FOR EXACT LOCATIONS. SENSORS (GENERAL) AT 90" AFF TO CENTER UNO.
	• MOTOR - SIZE AS INDICATED ON DRAWINGS	E	• EMS TEMPERATURE SENSOR
	• DISCONNECT SWITCH - SIZE AND FUSES AS PER MANUFACTURER'S RECOMMENDATIONS (WP WHERE OUTSIDE)	COZ	• CO2 SENSOR - SEE MECHANICAL & ELECTRICAL SHEETS FOR EXACT LOCATIONS - AT 54" AFF TO CENTER UNO.
		NH	• EMS NATIONAL ACCOUNTS VENDOR HUMIDITY SENSOR - SEE MECHANICAL PLAN FOR EXACT LOCATION. SENSORS (GENERAL) AT 90" AFF TO CENTER UNO.
		NT	• EMS NATIONAL ACCOUNTS VENDOR TEMPERATURE SENSOR - SEE MECHANICAL PLAN FOR EXACT LOCATION. SENSORS (GENERAL) AT 90" AFF - UNO.
		DSD	• DUCT SMOKE DETECTOR
		X	• MOTOR CONTROLLER - PROVIDED BY EC - SIZE AS NOTED
		X	• MOTOR CONTROLLER - FURNISHED WITH MOTOR
		BP	• EMS BUILDING PRESSURE SENSOR AT 14'-6" A.F.F.

LIGHTING SYMBOLS

ALL SYMBOLS MAY NOT APPLY TO THIS PROJECT

	• 4 1/2" x 49" TYPE 'A4' LED LIGHT.
	• 4 1/2" x 97" TYPE 'A8' LED LIGHT.
	• 24" x 24" LED LIGHT.
	• 24" x 24" NIGHT LED LIGHT.
	• 48" LINEAR WALL MOUNTED LED LIGHT.
	• EXTERIOR RECESSED LED DOWN LIGHT.
	• EXTERIOR WALL MOUNTED FIXTURE.
	• EXIT SIGNS (PENDANT MOUNTED).
	• EXIT SIGNS (WALL / BULKHEAD MOUNTED).
	• TWO-HEAD EMERGENCY FIXTURE MOUNT TO STRUCTURE (UNDERSIDE OF JOIST) IN SALES & RECEIVING. CEILING MOUNT IN ROOMS WITH LAY-IN CEILINGS.
	• TWO-HEADED EMERGENCY EGRESS FIXTURE.
	• EMERGENCY EGRESS FIXTURE BATTERY UNIT.
	• SINGLE POLE TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED HUBBELL #1221, 20A, 120/277V, (WHITE).
	• SINGLE POLE DIMMER SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED LUTRON #0650 WH, 8A, 120/277V, (WHITE). PROVIDE PURPLE AND GRAY WIRES TO LIGHTS CONTROLLED.
	• THREE WAY TOGGLE SWITCH MOUNTED AT 42" A.F.F. TO CENTER OR AS NOTED HUBBELL #1223, 20A, 120/277V, (WHITE).
	• CEILING MOTION SENSOR - 'SENSOR SWITCH' MODEL #OAC-DT, LINE VOLTAGE - MICROSET DUAL TECH
	• NIGHT LIGHT WIRED TO AN UNSWITCHED CIRCUIT.
	• EMERGENCY LIGHT WIRED TO AN UNSWITCHED CIRCUIT.

ALL WALL DEVICES (RECEPTACLES, SWITCHES, DATA OUTLETS, ETC) AND COVER PLATES TO BE WHITE, EXCEPT:

- RECEIVING - ROOM 117, MECHANICAL ROOMS, AND SIMILAR AREAS WITH EXPOSED CONDUIT TO HAVE GALVANIZED STEEL COVER PLATES.
- IG RECEPTACLES TO BE ORANGE.

AMPS	FEEDER	GROUND	CONDUIT
15	#12	#12	3/4"
20	#12	#12	3/4"
25	#10	#10	3/4"
30	#10	#10	3/4"
35	#8	#10	3/4"
40	#8	#10	3/4"
45	#8	#10	3/4"
50	#8	#10	3/4"
60	#6	#10	3/4"
70	#4	#8	1"
80	#4	#8	1"
90	#3	#8	1-1/4"
100	#3	#8	1-1/4"

UTILITY X.F.M.R. SECONDARY:	20,056 A.I.C.
FUSED DISCONNECT SWITCH:	17,965 A.I.C.
MAIN DISTRIBUTION PANEL:	17,800 A.I.C.
PANEL "HA":	16,070 A.I.C.
PANEL "LDP":	7,187 A.I.C.
LIGHTING CONTACTORS:	9,171 A.I.C.
PANEL "LA":	6,640 A.I.C.
PANEL "LB":	1,776 A.I.C.
PANEL "FC":	4,479 A.I.C.
PANEL "GA":	2,848 A.I.C.
RTU-8 (NEAREST RTU/HIGHEST AVAILABLE FAULT CURRENT)	3,610 A.I.C.

CALCULATION BASED ON BUSSMANN 'POINT-TO-POINT' METHOD USING A 500kVA XFMR WITH 3% IMPEDENCE AND 833 A MOTOR CONTRIBUTION

1. THE INTEGRATED POWER CENTER (IPC) SHALL BE DELIVERED IN TWO (2) SHIPPING SPLITS. SEE ELEVATION 616/3 FOR ADDITIONAL INFORMATION. INSURE THAT ALL INTERNAL CONDUCTORS ARE PROPERLY CONNECTED. CABINET SECTIONS FOR A COMPLETE INSTALLATION. SEE NOTE 11 BELOW.
2. PROVIDE A MAXIMUM OF 10'x4' PRODUCT WIDTH TO MEET THE FOOTPRINT REQUIREMENTS (INCLUDES N.E.C. CODE CLEARANCE).
3. TOP LIFT PROVISIONS FOR EASE OF LIFTING AND SETTING THE INTEGRATED POWER CENTER (IPC) AGAINST BUILDING WALL. SEE ELEVATION 616/3 FOR ADDITIONAL INFORMATION.
4. THE INTEGRATED POWER CENTER (IPC) WILL BE DELIVERED WITH THE TRANSFORMER LOOSE.
5. E.C. SHALL BE RESPONSIBLE FOR THE PURCHASE OF NATIONAL ACCOUNTS VENDOR'S INTEGRATED POWER CENTER (IPC) AND LOOSE PANELS INDICATED. E.C. SHALL PROVIDE PURCHASE ORDER TO NATIONAL ACCOUNTS VENDOR A MINIMUM OF 6 WEEKS PRIOR TO DELIVERY REQUIREMENTS TO GUARANTEE A MANUFACTURING SLOT IN THE SCHEDULE TO MEET REQUESTED DELIVER DATE. CONTACT NATIONAL ACCOUNTS VENDOR FOR DELIVERY SCHEDULE, PRODUCT COORDINATION REQUIREMENTS. SEE SHEET F2/0 FOR NATIONAL ACCOUNT VENDORS CONTACT INFORMATION. NOTE: CONTACT NATIONAL ACCOUNTS VENDOR 2 WEEKS PRIOR TO DELIVERY OF THE INTEGRATED POWER CENTER (IPC) TO OBTAIN PRODUCT DRAWINGS (FINAL EQUIPMENT LOCATIONS - STUB-UP COORDINATION).
6. E.C. RESPONSIBLE TO RE-TORQUE ALL PRE-WIRED FEEDER/BRANCH CIRCUIT TERMINATIONS UPON DELIVERY OF THE INTEGRATED POWER CENTER (IPC).
7. E.C. RESPONSIBLE FOR OFF LOADING AND SETTING THE PRE-CONFIGURED INTEGRATED POWER CENTER (IPC) WHEN IT ARRIVES ON SITE.
8. IT IS THE E.C.'S RESPONSIBILITY TO OBTAIN QUOTES FROM NATIONAL ACCOUNT VENDOR(S).
9. E.C. IS RESPONSIBLE TO GIVE NATIONAL ACCOUNTS VENDOR A 6 WEEK WRITTEN REQUEST FOR THE REQUIRED ON-SITE DATE. SEE CONTACT INFORMATION PROVIDED IN #5 ABOVE.
10. E.C. IS TO CONTACT NATIONAL ACCOUNTS VENDOR TO OBTAIN SITE SPECIFIC DRAWINGS. DRAWINGS IN THE PLANS ARE FOR ESTIMATING PURPOSES ONLY. NATIONAL ACCOUNTS VENDOR TO PROVIDE A SET OF DRAWINGS TO BE USED FOR THE PROJECT. E.C. SO ACCURATE ROUGH-IN COORDINATION CAN BE COMPLETED.
11. IT IS THE RESPONSIBILITY OF THE E.C. TO DETERMINE IF AN EXTERIOR MEANS OF DISCONNECT IS REQUIRED. IF SO, PLEASE REFER TO THE OPTIONS SECTION IN THE PRICE ADDERS FOR A SHUNT TRIP OR FUSIBLE DISCONNECT.

P	FURNISHED BY NATIONAL ACCOUNTS VENDOR WITHIN THE INTEGRATED POWER CENTER WITH EQUIPMENT INSTALLED AND FACTORY WIRE. E SHALL WALL MOUNT AND RE-TORQUE ALL CONNECTIONS.
E	PROVIDED BY ELECTRICAL CONTRACTOR.
PE	FURNISHED BY NATIONAL ACCOUNTS VENDOR, INSTALLED BY ELECTRICAL CONTRACTOR.
EX	EXISTING TO REMAIN.
S	INSTALLED UNDER SHELL PORTION OF CONTRACT BY LANDLORD'S ELECTRICAL CONTRACTOR.

POWER COMPANY TRANSFORMER. ELECTRICAL CONTRACTOR SHALL VERIFY AVAILABLE FULT CURRENT WITH UTILITY COMPANY. VERIFY SERVICE RATING IS GREATER THAN AVAILABLE FULT. SEE FULT CALCULATION SHEET.

1. PRIMARY SERVICE: CONDUIT SIZE PER UTILITY COMPANY PRIMARY SERVICE.

TRANSFORMER PAD: 6" MINIMUM CONCRETE, PER UTILITY COMPANY REQUIREMENTS.

400A ELECTRICAL SERVICE, TWO (2) SETS OF 3" C. WITH (4) 30 CU (XHHW) PER UTILITY COMPANY REQUIREMENTS.

EXTERIOR C/T CABINET: PER UTILITY COMPANY REQUIREMENTS.

UTILITY COMPANY METER: PER UTILITY COMPANY REQUIREMENTS.

ENERGY MONITORING METER: SMARTCELL PHASE LOSS MONITOR KW, PULSE METER PROVIDED, INSTALLED & WIRED BY NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE.

E.M.S. CONTROLLER, TO E.M.S.'S CONTROLLER. CONTRACTOR TO COORDINATE REQUIREMENTS WITH NATIONAL ACCOUNTS VENDOR.

MAIN BONDING JUMPER: #2/0 CU (VERIFY).

GROUND BOND: #2/0 CU BOND TO COLD WATER MAIN AND BUILDING STEEL, EXTEND SYSTEM GROUND TO SPRINKLER.

GROUND ROD: THREE (3) 3/4" X 10' LONG COPPER CLAD STEEL RODS TO BE INSTALLED PER 250.52(2).

M.D.P. SEE MOP SCHEDULE.

PHASE LOSS MONITOR: PROVIDED BY NATIONAL ACCOUNTS VENDOR - INSTALLED WITHIN THE INTEGRATED POWER CENTER (IPC). (1) 2 CONDUCTOR 16 GA. TO EMS NATIONAL ACCOUNTS VENDOR CONNECTION.

PHASE LOSS FEEDER: PROVIDE (3/4)2 THHN CU, 12"2C TO NATIONAL ACCOUNTS VENDOR. SEE SHEET EMF FOR CONNECTION REQUIREMENT, CONDUCTOR LENGTH SHALL BE 12' MINIMUM.

1. 100A "L4" FEEDER: (4) 83 (XHHW) CU, (1) 83 CU GROUND.

DISTRIBUTION TRANSFORMER: 150 KVA TP-1 ENERGY EFFICIENT XFMR. 2500V DELTA, SEC. 120/208V WYE, 150V RISE.

2. TRANSFORMER GROUND: PROVIDE #2/0 CU GROUND TO BUILDING STEEL.

3. TRANSFORMER FEEDER: (3) 40K KCMIL (XHHW) CU, (1) 41 CU GROUND, IN 2" 12" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE.

4. 200A "L4" FEEDER: (#430 (XHHW) CU, (1) #6 CU GROUND, (1) #6 SCALD AND GROUND 2 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

5. 80A "L5" FEEDER: PROVIDE (4) #6 (XHHW) CU, (1) 83 CU GROUND, (1) #8 SCALD AND GROUND, IN 1 1/2" CONDUIT OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

SERVICE ENTRANCE DISCONNECT: PROVIDE SERVICE ENTRANCE RATED 400A 3PHASE - 480V LPF DISCONNECT WITH 400A LPF OR LPJ FUSES.

INTERSYSTEM GROUND BAR: PROVIDE INTERSYSTEM GROUND BAR. PROVIDE #6 CU TO SERVICE GROUND PER NEC.

METER WIRING: SERVICE FEEDERS ROUTED THRU CUTS FOR SMARTCELL ENERGY MONITORING METER.

400A ELECTRICAL SERVICE FEEDER WITH GROUND: TWO (2) SETS OF (4) 30 CU (XHHW), ONE (1) 3" CU GROUND, IN TWO (2) 3" C. EACH.

ISOLATED GROUND: TERMINATE ISOLATED GROUND CONDUCTORS AT TRANSFORMER GROUND TAP.

125A "G4" FEEDER: (4) 83 (XHHW) CU, (1) 83 CU GROUND, (1) #6 "ISOLATED GROUND, IN 2" CONDUIT OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

200A "C4" FEEDER: (4) 83 (XHHW) CU, (1) #6 CU GROUND, (1) #6 "ISOLATED GROUND IN 2 1/2" CONDUIT OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

EMS: EMS/SCS CONTROL EQUIPMENT FURNISHED, INSTALLED AND WIRED BY NATIONAL ACCOUNTS VENDOR. INTERFERE CANNOT TO SERVICE POWER CENTER (IPC) EQUIPMENT TO INCLUDE: E.M.S., LIGHTING CONTACTORS, CONTROL POWER TRANSFORMERS, RELAYS&S&C. REFER TO ENERGY MANAGEMENT SYSTEM DRAWINGS EM1, EM2 & E2.1 FOR ADDITIONAL INFORMATION.

ACCESS BOX FOR FUTURE TRANSFORMER GENERATOR: FOR FUTURE CONNECTION TO GENERATOR (CONNECTION NOT IN CONTRACT). BOTTOM OF BOX AT 48" AFF. SEE DETAIL 11E33.0.

350A "L4" FEEDER: TWO (2) SETS OF (#430 (XHHW) CU, (1) #6 CU GROUND, (1) #6 SCALD AND GROUND 2 1/2" C. OUTSIDE OF NATIONAL ACCOUNTS VENDOR INTEGRATED POWER CENTER (IPC) ENCLOSURE).

TEMPORARY POWER TO BE SUPPLIED AND PAID FOR BY THIS CONTRACTOR.

THE CONTRACTOR IS TO PAY FOR ALL THE UTILITIES USED IN THEIR SCOPE OF WORK.

PROVIDE TEMPORARY 480V POWER FOR FLOOR POLISHER, AND IF REQUIRED 208V TO 480V STEP-UP TRANSFORMER.

1. ALL LED AND/OR FLUORESCENT LAMPS NOT INCLUDED WITH FIXTURES ARE FURNISHED BY THE GENERAL CONTRACTOR THROUGH NATIONAL ACCOUNT VENDOR. 2. PROVIDE FIXTURE SAFETY CHAINS WHERE REQUIRED. 3. ALL LAY-IN FIXTURES SHALL BE FURNISHED WITH "FIXTURE SUPPORT CLIPS" PER NEC SECTION 410. 4. OFFSET LIGHT FIXTURES AS NEEDED TO CLEAR STRUCTURAL BRIDGING ACROSS STORE. 5. ALL LIGHT SWITCHES SHALL BE LOCATED AS CLOSE AS POSSIBLE TO ADJACENT DOOR FRAMES AT A.D.A. HEIGHTS. COORDINATE LOCATIONS WITH ALL FIXTURES/EQUIPMENT. 6. ALL LIGHTING SHALL BE CIRCUITED AS SHOWN TO ALLOW MULTI-LEVEL SWITCHING FOR ENERGY MANAGEMENT CONTROL. SEE SHEET EM2. 7. CONDUIT AND PIPING SHALL BE ROUTED PARALLEL WITH WALLS IN MAIN SALES AND RECEIVING. RUNS SHALL BE GROUPED TOGETHER WHERE PRACTICAL & HOLD AS HIGH AS POSSIBLE AND SUSPEND TIGHT TO UNDERSIDE OF THE TOP CORD OF JOIST. ENTIRE INSTALLATION SHALL BE INSTALLED PER THE NEC. 8. PROVIDE ZERO DEGREE BALLASTS FOR FIXTURES LOCATED OUTSIDE. 9. ALL ELECTRICAL CONDUITS/WIRING MUST RUN OVERHEAD (UNO) UNLESS REQUIRED TO RUN UNDERGROUND. ANY EXCEPTIONS MUST BE APPROVED BY PETSMAST CONSTRUCTION MANAGER. 10. SNAP SWITCHES THAT ARE GROUPED OR GANGED IN AN ENCLOSURE WITH OTHER SNAP SWITCHES OR SIMILAR DEVICES THAT THE VOLTAGE BETWEEN THE ADJACENT DEVICES EXCEEDS 300 VOLTS, MUST HAVE A PERMANENT BARRIER INSTALLED BETWEEN THE ADJACENT DEVICES PER THE N.E.C. 11. GENERAL CONTRACTORS SHALL CONTACT NATIONAL ACCOUNT VENDOR FOR BID PRICING ON FIRE AND BURGLAR ALARM SYSTEMS - SEE SPECIFICATIONS. 12. PROVIDE (2) PULL STRINGS IN EACH EMPTY CONDUIT FOR DATA & PHONE BOXES. PROVIDE PLASTIC BUSHINGS AT OPEN ENDS OF CONDUITS.	13. REFER TO ENERGY MANAGEMENT SHEETS EM1 & EM2 FOR SENSOR MOUNTING. 14. SEE ARCHITECTURAL ELEVATION DRAWINGS FOR EXACT PLACEMENT OF OUTLETS. 15. E.C. TO VERIFY EXACT CONDUIT SIZE PRIOR TO ROUGH-IN OF BOXES FOR PHONE AND DATA. 16. WHERE CONDUITS, DEVICE BOXES, ETC. ARE SURFACE-MOUNTED, SEAL ALL PENETRATIONS WITH SIKKA, SIKKAFLEX 1A POLYURETHANE SEALANT. 17. ALL LIGHT FIXTURES DESIGNATED 'EM' OR 'NL' TO BE UNSWITCHED, UNO. 18. SEE SHEET EO 1 FOR ONE LINE DIAGRAM KEYED NOTES. 19. PROVIDE CONDUIT FOR LOW VOLTAGE WIRING WHEN REQUIRED BY CODE. TERMINATE PHONE & DATA WIRING AT PETSMAST SERVER LOCATION. 20. ALARM PACKAGE: THE ALARM PACKAGE WILL REQUIRE AN AVERAGE OF 15 CONDUIT DROPS WITH BOXES, AND 35 BACK BOXES (ONLY) FOR CEILING MOUNTED DEVICES - THIS IS SUBJECT TO CHANGE BASED ON LOCAL REQUIREMENTS AND FINAL STORE DESIGN. ALL CEILING MOUNTED ALARM & INTRUSION DEVICES WILL REQUIRE A BACK BOX PROVIDED BY THE E.C.s. ANY QUESTIONS, CONTACT NATIONAL ACCOUNT VENDOR - EVERON (954) 235-9411. SEE ARCHITECTURAL DRAWING F2.0 PROJECT SCHEDULE. 21. LED CIRCUIT: WHEN USING MULTI-BRANCH WIRE CIRCUITS WITH A SHARED NEUTRAL, DO NOT OPERATE ANY CIRCUIT WITH THE NEUTRAL OPEN. ALSO ENSURE ALL NEUTRAL CONNECTIONS ARE SECURE BEFORE ENERGIZING THE CIRCUIT. AN OPEN NEUTRAL CAN CAUSE AN OVERVOLTAGE CONDITION AT THE LUMINAIRE POWER SUPPLY. 22. E.C. IS RESPONSIBLE TO OBTAIN QUOTES FROM NATIONAL ACCOUNTS VENDOR. 23. <u>ALL EQUIPMENT, WATER LINES, CEILING GRID, HVAC DUCT WORK, ROOF LEADER PIPING, CONDUITS, LIGHT FIXTURES, AND FIRE SPRINKLER LINES MUST BE SUSPENDED FROM THE JOISTS ONLY, DO NOT LAY ALONG THE BOTTOM CHORD OF JOISTS OR SUSPEND FROM THE ROOF DECK.</u>
--	--

