

SHELL BUILDING FOR A DOLLAR TREE STORE N HWY 19 & CR 44 EUSTIS, FL 32726

CODE / PROJECT DATA

BUILDING CODE: PLUMBING CODE: 2017 FPC ELECTRICAL CODE: 2014 NATIONAL ELECTRICAL CODE MECHANICAL CODE: 2017 FMC FIRE & LIFE SAFETY CODE: 2017 FFPC ENERGY CODE: 2017 FL ENERGY CC 2014 FBC- ACCESSIBLE ACCESSIBILITY:

NO, PER FBC 903.2.7: A FIRE SPRINKLER FIRE SPRINKLER SYSTEM: SYSTEM IS NOT REQUIRED IF TOTAL BUILDING AREA IS LESS THAN 12,000 S.F.

266 OCCUPANTS

SHT. NO.

S3.2

MØ.1

M1.0

M2.0

M3.0

P0.1

P1.0

P1.1

E0.0

E0.1

E1.0

E2.0

E3.0

E4.0

E5.0

E6.0

TYPE II-B -UNPROTECTED

TOTAL GROSS BUILDING AREA = (ALLOWED AREA FOR TYPE II-B = 12,500 S.F.) ALLOWED BUILDING HEIGHT = 65 FT.

BUILDING AREAS: BUILDING TOTAL (GROSS) 10,050 SQ. FT. SALES AREA (NET): 7,815 SQ. FT. 1,411 SQ. FT. STOCKROOM (NET): OFFICE (NET): 80 SQ. FT. **OCCUPANCY GROUP:** MERCANTILE

OCCUPANCY LOAD:

SHEET INDEX

DESCRIPTION

LIFE SAFETY PLAN

REFLECTED CEILING PLAN

BUILDING & WALL SECTIONS

WALL SECTIONS & DETAILS

ENLARGED OFFICE ROOM & DETAILS

DOOR SCHEDULE, DETAILS & NOTES

ENLARGED RESTROOM PLAN & DETAILS

EXTERIOR ELEVATIONS

EXTERIOR ELEVATIONS

FLOOR PLAN

SHT. NO.

SD1.0

A0.1

A1.0

A2.0

A3.0

A3.1

S0.1

S1.1

CONSTRUCTION CLASSIFICATION:

7,815 S.F. / 30 = 260 OCCUPANTS STOCKROOM (ACCESSORY OCCUPANCY S-1): 1,411 S.F. / 300 = 5 OCCUPANTS 80 S.F. / 100 = 1 OCCUPANT OFFICE: (BUSINESS)

INDEX, CODE ANALYSIS, LOCATION MAP. LEGEND

SITE DETAILS: DUMPSTER ENCLOSURE DETAILS

ARCHITECTURAL DRAWINGS

STRUCTURAL DRAWINGS

EXIT ANALYSIS

EGRESS WIDTH REQUIRED: 266 OCCUPANTS X 0.2"/OCCUPANT = 53" EGRESS WIDTH PROVIDED:

DOOR N1 @ 6'-0" = 68"DOOR N2 @ 6'-0" = 68"DOOR N3 @ 3'-0" = 34"TOTAL WIDTH = 170"

PLUMBING FIXTURES

266 OCCUPANTS / 2 = 133 OF EACH SEX

<u>PROVIDED</u> DRINKING FOUNTAIN (1/1000)

MEN WOMEN MEN WOMEN WATER CLOSET (1/500) LAVATORY (1/750)

WIND DESIGN SPEED:

SECTIONS, DETAILS & SCHEDULES

MECHANICAL SPECS NOTES & LEGEND

PLUMBING NOTES, LEGEND & DETAILS

ELECTRICAL NOTES & SPECIFICATIONS

MECHANICAL FLOOR PLAN

MECHANICAL SCHEDULES

PLUMBING FLOOR PLAN

ELECTRICAL SITE PLAN

ELECTRICAL LIGHTING PLAN

E. PANEL SCHEDULES AND RISERS

ELECTRICAL POWER PLAN

ELECTRICAL DETAILS

PLUMBING RISERS

NOT USED

NOT USED

MECHANICAL DETAILS

MECHANICAL DRAWINGS

PLUMBING DRAWINGS

ELECTRICAL DRAWINGS

DESCRIPTION

RISK CATEGORY II = 140 MPH (ULT.)/108 MPH (ASD) ORLANDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124

604 COURTLAND STREET

ARCHITECTURE

ENGINEERING

AA 003420

CA 8660

SUITE 100

INTERIOR DESIGN

INTERPLAN

PROJECT MANAGEMENT

THIS DOCUMENT IS NOT

FOR REGULATORY APPROVAL, PERMITTING OR CONSTRUCTION.

OWNER & CONSULTANTS

ARCHITECT

INTERPLAN LLC

ORLANDO, FL 32804

PHONE: 407-645-5008

604 COURTLAND ST. SUITE 100

ARCHITECT OF RECORD: LOUISE CRAVER

BYBLOS DEVELOPMENT, INC TOM HARB, P.E 7932 WEST SAND LAKE ROAD SUITE 102 ORLANDO, FLORIDA 32819

STRUCTURAL ENGINEER

DANSK CONSULTING INC. 1673 LAKE BALDWIN LANE ORLANDO, FL 32814 PHONE: 407-252-4225 ENGINEER OF RECORD: BJARNE MADSEN

MECHANICAL ENGINEER PLUMBING ENGINEER ELECTRICAL ENGINEER

INTERPLAN LLC 604 COURTLAND ST, SUITE 100 ORLANDO, FL 32804 PHONE: 407-645-5008 ENGINEER OF RECORD: STACY HENSON

CONTACTS

PHONE:

EMAIL:

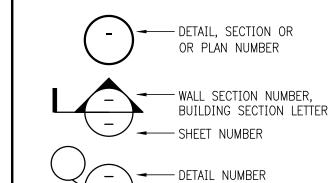
GOVERNMENTAL AGENCIES

CITY OF EUSTIS DEVELOPMENT SERVICES ADDRESS: 10 N. GROVE ST.

(352) 483-5462

priestg@ci.eustis.fl.us

EUSTIS, FL 32726 CONTACT: GUY PRIEST

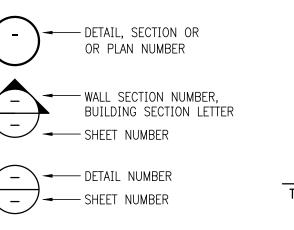


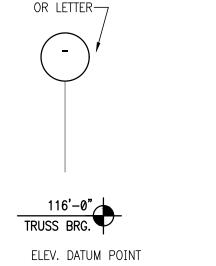
| − | - NOTE NUMBER

⟨ − ⟩ ← WINDOW NUMBER

(-) - DOOR NUMBER

SYMBOLS / LEGEND





GRID NUMBER

/-\ REVISION NUMBER

- → INTERIOR FINISH NUMBER <->→ EXTERIOR FINISH NUMBER/ INTERIOR PARTITION − ROOM NAMF

· .	(OOW)	I W WAIT
<u> </u> -	ROOM	NUMBER

ROOF FRAMING PLAN S2.1 SECTIONS, DETAILS & SCHEDULES

STRUCTURAL NOTES

FOUNDATION PLAN

REVISION IS	SSUE LOG			
REV # ISSUE DATE	DESCRIPTION	AFFECTED SHEETS	REMARKS	BY

CONTRACTOR GENERAL NOTES

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL DRAWINGS AND SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, CIVIL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL, PRIOR TO SUBMITTING A BID. REPORT ANY DISCREPANCIES TO ARCHITECT OR ENGINEER PRIOR TO BID. THESE DOCUMENTS ARE BASED UPON MEASURED DRAWINGS AND OTHER INFORMATION PROVIDED BY THE OWNER AS WELL AS NON-INVASIVE SITE VISITS THE MEASURED DRAWINGS INCLUDE ONLY THOSE ELEMENTS AND SYSTEMS EXPOSED TO VIEW AND HAVE NOT BEEN FIELD VERIFIED. THE CONSTRUCTION DOCUMENTS
- EXISTING STRUCTURAL, PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ALL EXISTING BUILDING ELEMENTS AND SYSTEMS, FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND SATISFY THEMSELVES AS TO THE NATURE AND SCOPE OF THE WORK, REVIEW THE CONTRACT DOCUMENTS AND NOTIFY THE ARCHITECT OF ANY CONFLICTS AND/OR DISCREPANCIES PRIOR TO BID. THE SUBMISSION OF A BID WILL BE EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRE, OR FOR ANY DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD AN EXAMINATION BEEN

HAVE BEEN PRODUCED WITHOUT THE BENEFIT OF KNOWLEDGE OF THE EXACT

- MADE, WILL NOT BE ALLOWED.). IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES ENCOUNTERED ON THE PLANS OR IN EXISTING SITE CONDITIONS PRIOR TO SUBMISSION OF BID.
- CONTRACTOR, DURING PRE-BID SITE VISIT, SHALL TAKE NOTICE OF ANY VISUALLY APPARENT CODE VIOLATIONS AND ALLOW IN HIS/HER BID FOR CORRECTING SUCH CONTRACTORS ARE CAUTIONED TO COORDINATE ITEMS IN THEIR SCOPE OF WORK
- WITH OTHER TRADES. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS AND/OR DISCREPANCIES DISCOVERED DURING DEMOLITION AND CONSTRUCTION PHASES OF
- H. THESE NOTES APPLY TO ALL SHEETS.

NOTES:

I. MONUMENT SIGN, AWNINGS & CANOPIES, SIGNAGE AND DUMPSTER ENCLOSURE WILL REQUIRE SEPARATED PERMITS.

FL PRODUCT APPROVAL LIST

CATEGORY	MANUFACTURER	APPROVAL#	EXPIRATION
STOREFRONT	KAWNEER TRIFAB VG 451T	FL 7237-R8	12-31-20
DOORS-STRFRNT	KAWNEER TRIFAB VG 451T	FL 7237-R8	12-31-20
DOORS-STEEL	REPUBLIC DL416 SERIES—SINGLE	FL 15869-R3	
DOORS-STEEL	REPUBLIC DL416 SERIES-DOUBLE	FL 15869-R3	
FIFS/STUCCO	STO CORP	FI 20110-R1	12-31-19

METAL BUILDING NOTES

- METAL BUILDING DETAILS ARE PROVIDED TO SHOW DESIGN INTENT ONLY. PRE-ENGINEERED METAL BUILDING (PEMB) SHALL DETERMINED FINAL DETAILS TO PROVIDE INTENT INDICATED.
- REFER TO THE PEMB DOCUMENTS AND SHOP DRAWINGS FOR PROJECT SPECIFIC
- . G.C SHALL COORDINATE PROJECT SPECIFIC METAL BUILDING DETAILS WITH OTHER
- . THE ARCHITECTURAL PLANS ASSUMED AN 8" DEPTH FOR THE PEMB STRUCTURE WITH 3 5/8" METAL STUD FURRING AT THE INTERIOR WALLS. THERE SHALL BE PROJECTIONS OF COLUMNS AT THE SALES FLOOR WALLS. WHERE NECESSARY, T LOCATION AND/OR SIZE OF THE INTERIOR METAL STUDS MUST BE ADJUSTED II

ORDER TO CONCEAR THE COLUMNS. aLSO, DEPENDING ON THE DEPTH OF THE GIRTS, THE SIZE OF THE METAL STUDS MAY BE REQUIRED TO BE REDUCED.

SHELL BUILDING for DOLLAR TREE

NO DATE REMARKS

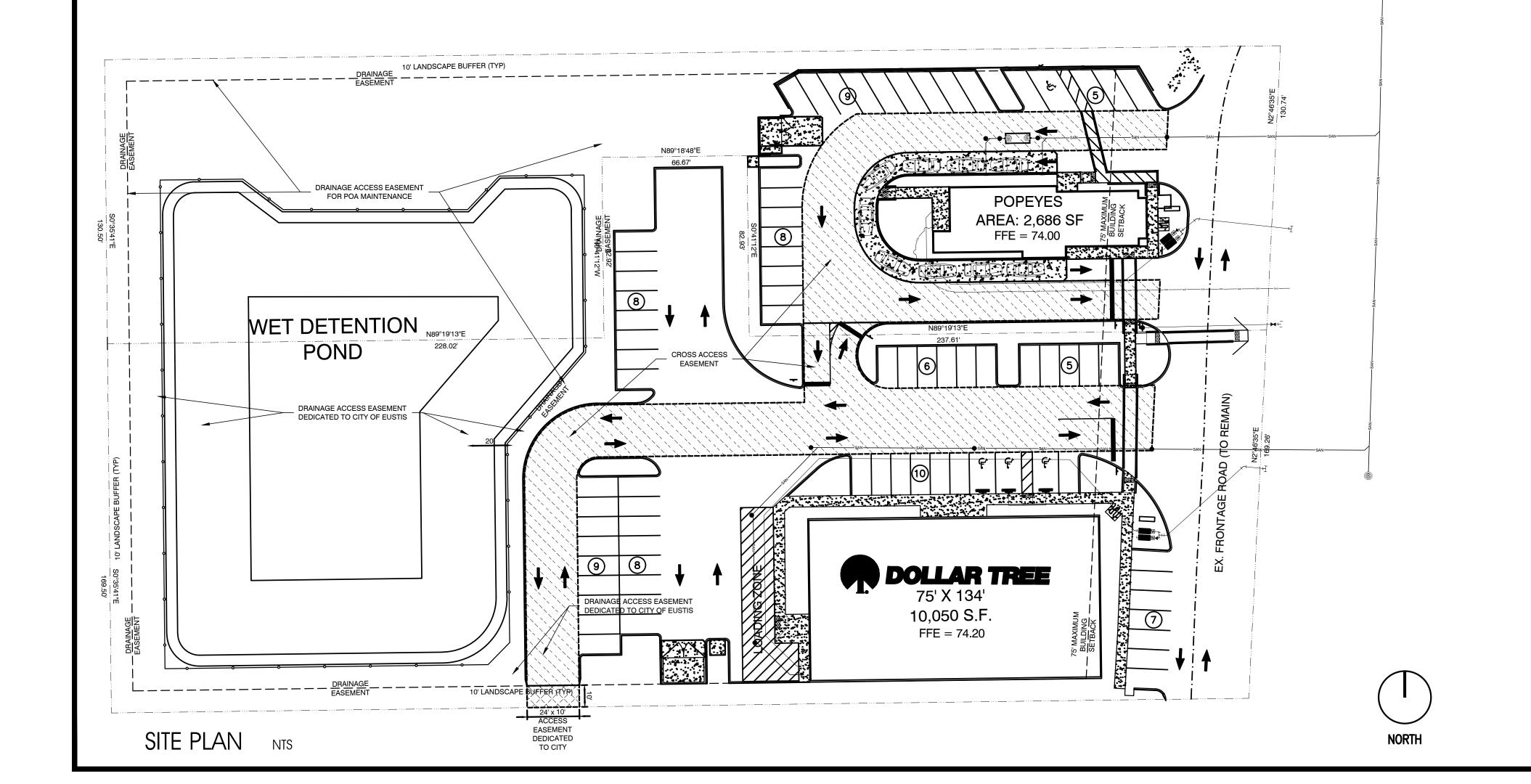
REVISIONS

N HWY 19 & CR 44 EUSTIS, FL

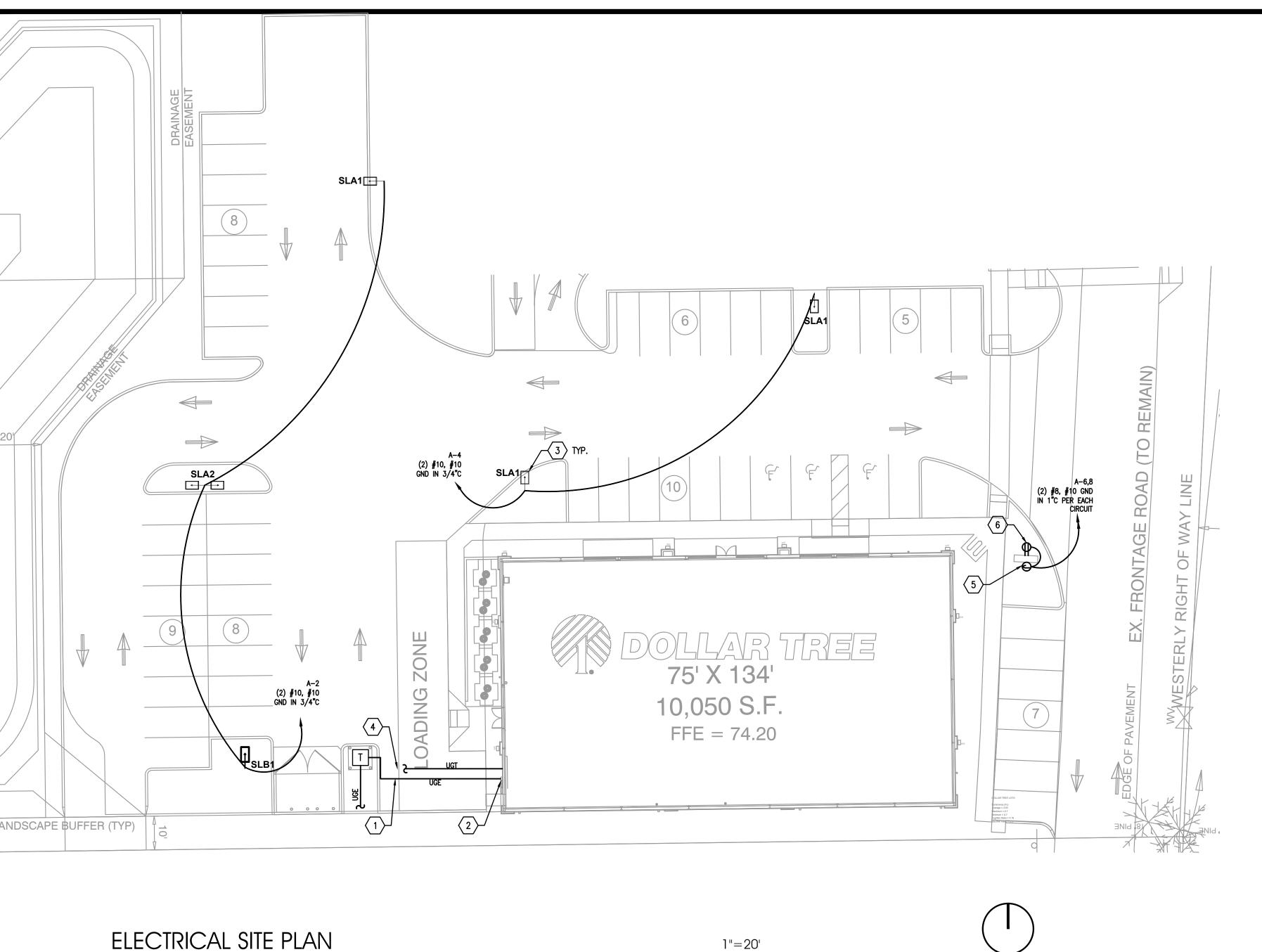
PROJECT NO: 2018.0328 DATE: 08-27-2018

COVER SHEET

CHECKED: RC DRAWN: MS



	<u>IS</u>			GENERAL NOTES	LEGEND (NOT ALL SYMBOLS ARE USED WITHIN THIS SET OF DRAWINGS)	INTERPLAN
GENERAL B.	TYPES OF RACEWAYS SPECIFIED IN THIS SECTION INCLUDE THE FOLLOWING: 1. ELECTRICAL METALIC TUBING (EMT); MINIMUM TRADE SIZE 1/2".	CONNECTIONS FOR EQUIPMENT		1. ALL WORK SHOWN SHALL COMPLY WITH ALL NATIONAL, STATE AND LOCAL CODES	, , , , , , , , , , , , , , , , , , ,	
I. GENERAL	2. FLEXIBLE METAL CONDUIT. MINIMUM TRADE SIZE 1/2".	I. CONNECTIONS FOR EQUIPMENT		ORDINANCES, ETC.	EXIT LIGHT (HATCHING DENOTES FACE)	ARCHITECTURE ENGINEERING
A. THE CONTRACTOR SHALL FURNISH ALL MATERIAL, LABOR & EQUIP. NECESSARY TO COMPLETELY INSTALL ELECTRICAL & RELATED WORK INDICATED ON THE DRAWINGS AND	 LIQUID - TIGHT FLEXIBLE METAL CONDUIT (SEALTIGHT) MINIMUN TRADE SIZE 1/2". RIGID METAL CONDUIT. MINIMUM TRADE SIZE 1/2". RIGID NONMETALLIC 	A. GENERAL: FOR EACH ELECTRICAL CONNECTION INDICATED PROVIDE COMPLETE ASSEMBLY OF MATERIALS, INCLUDING BUT NOT NECESSARILY LIMITED TO, PRESSURE	1	SEE LUMINAIRE SCHEDULE E2.0 FOR INFORMATION. 3. EXIT SIGNS AND EMERGENCY LIGHTS SHALL HAVE THEIR OWN SELF—CONTAINED	SURFACE MOUNTED OR RECESSED EMERGENCY LIGHTING FIXTURE	INTERIOR DESIGN PROJECT MANAGEMENT
IN THESE SPECIFICATIONS. II. CODE c.	CONDUIT (PVC). SCHEDULE 40, MINIMUM TRADE SIZE 1/2". FITTINGS	CONNECTORS, TERMINALS (LUGS), ELECTRICAL INSULATING TAPE, HEAT—SHRINKABLE INSULATING TUBING, CABLE TIES, SOLDERLESS WIRE—NUTS, AND OTHER ITEMS AND	1	STANDBY BATTERY POWER SUPPLY. IF LOCAL CODE REQUIRES A DIRECT TAP BEFORE ANY CIRCUIT BREAKERS THEN INCORPORATE INTO THE FEEDER DIAGRAM.	\$P SWITCH WITH PILOT LIGHT	AA 003420
A. ALL EQUIPMENT, WIRING AND THE ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE NATIONAL	 FITTINGS FOR EMT SHALL BE STEEL SET SCREW OR COMPRESSION TYPE WITH FACTORY INSTALLED INSULATED THROAT CONNECTORS. DIE CAST OR POT METAL 	ACCESSORIES AS NEEDED TO COMPLETE SPLICES AND TERMINATIONS OF TYPES INDICATED.	1	4. PROVIDE EMERGENCY LIGHTING TO MEET THE REQUIRED FOOT CANDLE LEVEL PER	\$ _M MOTOR RATED SWITCH	CA 8660
ELECTRICAL CODE (N.E.C.), O.S.H.A. REQUIREMENTS, LIFE SAFETY CODE AND ALL APPLICABLE LOCAL AND STATE LAWS AND ORDINANCES.	FITTINGS ARE NOT ACCEPTABLE. 2. FITTINGS FOR FLEXIBLE CONDUIT SHALL BE STEEL OR CAST IRON.	WIRING DEVICES		LOCAL CODE. 5. LUMINAIRES INSTALLED IN CONTINUOUS ROWS SHALL BE GROUNDED WITH A	\$x TOGGLE SWITCH ©S OCCUPANCY SENSOR	604 COURTLAND STREET
B. THE CONTRACTOR SHALL PAY ALL INSPECTION FEES AND PURCHASE ALL PERMITS REQUIRED FOR THIS WORK.	 FITTINGS FOR RIGID CONDUIT SHALL BE STEEL THREADED TYPE. FITTINGS FOR PVC SHALL BE SCHEDULE 40 GLUE-ON TYPE. 	I. WIRING DEVICES A. THE EXTENT OF WIRING DEVICE WORK IS INDICATED BY THE DRAWINGS AND		CONDUCTOR ROUTED FROM LUMINAIRE TO LUMINAIRE, MOUNTED TO EACH WITH GROUNDING LUG OR SCREW. ALIGNING CLIPS ARE NOT ACCEPTABLE. LUMINAIRE	POWER	SUITE 100 ORLANDO, FLORIDA 32804
III. LOCATION OF EQUIPMENT A. THE CONTRACTOR SHALL NOTE THAT THE ELECTRICAL DRAWINGS ARE INTENDED TO A.	I. INSTALLATION OF RACEWAYS ALL CONDUITS SHALL BE INSTALLED CONCEALED, EXCEPT IN EQUIPMENT ROOM, CHASES	SCHEDULES. B. PROVIDE WIRING DEVICES WHICH ARE U.L. LISTED AND LABELED. II. ACCEPTABLE		GROUNDING SHALL BE INSTALLED IN COMPLIANCE WITH NATIONAL ELECTRICAL CODE, ARTICLE 410-21.	SINGLE RECEPTACLE	PH 407.645.5008 FX 407.629.9124
INDICATE ONLY THE EXTENT DIAGRAMMATICALLY, GENERAL CHARACTER AND LOCATION OF THE WORK. WORK INTENDED, BUT HAVING MINOR DETAILS OBVIOUSLY OMITTED, SHALL	OR AS INDICATED ON THE DRAWINGS. ALL CONDUITS, EXPOSED AND CONCEALED SHALL BE RUN PARALLEL AND PERPENDICULAR TO BUILDING LINES AND SHALL BE GROUPED	MANUFACTURERS A. HARVEY HUBBELL CO.		6. CEILING LIGHTS ARE TO BE WIRED TO THE BAR JOIST MEMBERS AT THE DIAGONAL		SEAL:
BE FURNISHED AND INSTALLED COMPLETE BY THIS CONTRACTOR AT HIS EXPENSE.	TOGETHER AS MUCH AS POSSIBLE, EVEN ABOVE LAY—IN CEILINGS. A SEPARATE GROUNDING CONDUCTOR SHALL BE INSTALLED IN ALL RUNS. WHERE SIZES	B. GENERAL ELECTRIC CO. C. LEVITON MFG. CO.	1	CORNERS. 7. COORDINATE LIGHTING WITH SPRINKLER & MECHANICAL DRAWINGS AS APPLICABLE	QUADRUPLEX RECEPTACLE . CEILING MOUNTED RECEPTACLE	
B. THE CONTRACTOR SHALL VISIT THE SITE OF THE WORK AND THOROUGHLY FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS, AND SHALL THOROUGHLY REVIEW ALL	LARGER THAN #12 AWG ARE REQUIRED BY THE NEC, THE CONDUCTOR SHALL BE SIZED AS INDICATED IN THE NEC. ALL GROUNDING CONDUCTORS SHALL HAVE A GREEN	III. FABRICATED WIRING DEVICES		8. REFERENCE TO HEIGHT OF OUTLET OR RECEPTACLE SHALL BE MEASURED FROM	SHADING IN RECEPTACLE DENOTES ABOVE COUNTER	THIS DOCUMENT IS NOT
DRAWINGS, SPECIFICATIONS AND POSSIBLE ADDENDA PRIOR TO BIDDING ON THIS WORK. NO EXTRAS TO HIS CONTRACT WILL BE ALLOWED FOR FAILURE TO COMPLY	OUTER COVERING, OR GREEN MARKING TAPE OVER THEIR ENTIRE EXPOSED LENGTHS. MECHANICALLY FASTEN TOGETHER METAL CONDUITS, ENCLOSURES, AND RACEWAYS FOR	A. SWITCHES SHALL BE 20 AMP. 120/277 VOLT RATED, HUBBELL #1221 — IVORY OR BROWN.	1	FINISHED FLOOR TO CENTER OF OUTLET OR RECEPTACLE.	IG — DENOTES ISOLATED GROUND TYPE	FOR REGULATORY APPROVAL, PERMITTING,
WITH THIS REQUIREMENT. C. IV. ROUGH—IN	CONDUCTORS TO FORM A CONTINUOUS ELECTRICAL CONDUCTOR. CONNECT TO ELECTRICAL BOXES, FITTINGS AND CABINETS TO PROVIDE ELECTRICAL CONTINUITY AND	B. RECEPTACLES SHALL BE 20 AMP 125 VOLT RATED, HUBBELL #5362 — IVORY OR BROWN. FOR OTHER APPLICATIONS REFER TO THE DRAWINGS.		9. ALL RECEPTACLES SHALL BE GROUNDING TYPE.	GFI — DENOTES GFCI PROTECTED TYPE	OR CONSTRUCTION.
A. VERIFY FINAL LOCATIONS FOR ROUGH—INS WITH SHOP DRAWINGS, FIELD MEASUREMENTS AND WITH THE REQUIREMENTS OF THE ACTUAL EQUIPMENT TO BE	FIRM MECHANICAL ASSEMBLY. AVOID USE OF DISSIMILAR METALS THROUGH SYSTEM TO ELIMINATE POSSIBILITY OF	C. PROVIDE SMOOTH FINISH PLATES FOR ALL DEVICES WITH APPROPRIATE MOUNTING ARRANGEMENTS FOR GAUGED DEVICES. FOR TELEPHONE AND COMPUTER/AMX AND	1	10. ALL RECEPTACLES AND SWITCHES SHALL HAVE TWO (2) REVOLUTIONS OF ELECTRICAL TAPE (SCOTCH 33+) OVER ALL THE TERMINALS, TO PREVENT ACCIDENTAL CONTACT WITH THE JUNCTION BOX OR OUTLET BOX.	SPECIAL PURPOSE RECEPTACLE (AS NOTED)	
CONNECTED PRIOR TO ROUGH—IN. B. REFER TO EQUIPMENT SPECIFICATIONS IN DIVISIONS 2 THROUGH 15 FOR ROUGH—IN _	ELECTROLYSIS.	MICROPHONE OUTLETS PROVIDE BUSHED HOLE COVER PLATES. PLATES SHALL BE IVORY, BROWN OR GRAY STAINLESS STEEL.	1	11. CONDUIT SIZE TO BE PER NEC. PVC CONDUIT AND FITTINGS ARE ACCEPTABLE	▼ TELEPHONE OUTLET ✓ DATA OUTLET	
REQUIREMENTS. V. INSTALLATION	INSTALL EXPANSION FITTINGS IN RACEWAYS EVERY 200' LINEAR RUN OR WHEREVER STRUCTURAL EXPANSION JOINTS ARE CROSSED.	GRAY STAINLESS STEEL PLATES FOR SERVICE AREAS, KITCHEN STORAGE AND RESTROOMS.	<i>1</i>	ONLY BELOW SUBBASE MATERIAL OF GROUND BEARING FLOOR SLABS WHERE SUCUSE IS ACCEPTABLE TO THE AUTHORITY HAVING JURISDICTION.		
A. ALL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A NEAT AND FIRST CLASS G.	PROVIDE NYLON PULL CORD IN ALL EMPTY CONDUITS. CONDUIT INSTALLATION	2. IVORY PLATES FOR ALL OTHER AREAS EXCEPT BROWN PLATES ON WOOD OR DARK SURFACES.		12. CONDUIT SHALL BE ELECTRICAL METALLIC TUBING (EMT), RIGID STEEL (SIZE PER	JUNCTION BOX	
MANNER, LEVEL AND PLUMB, AND SECURELY SUPPORTED. THE ENTIRE INSTALLATION, AND MANNER OF INSTALLATION SHALL MEET THE COMPLETE SATISFACTION OF THE	 USE RIGID METAL CONDUIT FOR ALL WEATHER EXPOSED WORK, FOR ALL STUB-UPS IN KITCHEN AREA, FOR ALL ROOF PENETRATIONS THROUGH PATE PLUGS AND FOR 	3. IVORY DEVICES WHERE 302 STAINLESS STEEL OR IVORY PLATES ARE USED. 4. BROWN DEVICES WHERE BROWN PLATES ARE USED.		NEC), OR MC CABLE WHERE ALLOWED BY CODE. WHERE MC CABLE IS USED, PROPER SECUREMENT AND SUPPORT (AT INTERVALS NOT EXCEEDING 6 FEET)	SYMBOL IN SQUARE DENOTES FLOORMOUNTED	
OWNER'S REPRESENTATIVE OR IT SHALL BE REMOVED AND REWORKED AS DIRECTED BY THE OWNER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.	FREEZER/ COOLER PENETRATIONS. 2. USE E.M.T. FOR ALL INTERIOR CONCEALED AND FOR EXPOSED WORK NOT SUBJECT	MOTOR DISCONNECTS		SHALL BE FOLLOWED PER NEC ART. 330.	MOTOR, FAN, PUMP OR AIR CONDITIONING UNIT	
B. ALL WIRING SHALL BE IN CONDUIT. THE USE OF E.N.T., BX, NM, ETC. OR PRE—MANUFACTURED CABLE ASSEMBLIES OR ALUMINUM WIRE WILL NOT BE PERMITTED.	TO MECHANICAL INJURY. 3. USE P.V.C. FOR ALL UNDERGROUND WORK OR WORK INSTALLED IN CONCRETE.	I. DISCONNECT SWITCHES		13. ELECTRICAL CONTRACTOR TO PROVIDE JUNCTION BOX AND CONDUIT STUB-UP ABOVE CEILING FOR ALL LOW VOLTAGE CABLING.	PANELBOARD DISCONNECT SWITCH, RATING AS NOTED.	
C. CO-ORDINATE CONNECTION OF ELECTRICAL SYSTEMS WITH UTILITIES AS INDICATED ON THE DRAWINGS.	USE RIGID METAL CONDUIT ELBOW AT STUP-UP LOCATIONS. 4. USE FLEXIBLE METAL CONDUIT FROM OUTLET BOXES TO RECESSED LIGHTING	A. ACCEPTABLE MANUFACTURERS 1. SQUARE D COMPANY		14. DIMENSION IS FROM FINISHED WALL, SEE ARCHITECTURAL FOR WALL THICKNESS.	FIRE ALARM	
VI. CUTTING AND PATCHING	FIXTURE AND FINAL 24" OF CONNECTION TO ITEMS SUBJECT TO MOVEMENT OR VIBRATION.	2. SIEMENS B. HEAVY-DUTY SAFETY SWITCHES: PROVIDE SURFACE MOUNTED, HEAVY DUTY TYPE, SHEET		15. FIELD COORDINATE EXACT LOCATION OF OUTLETS AS DETERMINED BY THE ACTUAL FURNITURE LAY OUT. VERIFY WITH FIXTURE PLAN.	F FIRE ALARM PULL STATION NOM. 42" A.F.F. PER ADA	
A. ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.	5. USE LIQUID-TIGHT FLEXIBLE CONDUIT FOR FINAL 24" CONNECTION TO ITEMS	STEEL ENCLOSED SWITCHES, OF TYPES, SIZES AND WITH ELECTRICAL CHARACTERISTICS INDICATED: INCOPORATING QUICK-MAKE QUICK-BREAK TYPE SWITCHES: SWITCH BLADE		16. COORDINATE WITH OTHER DISCIPLINES FOR ELECTRICAL REQUIREMENTS OF	FIRE ALARM AUDIO/VISUAL STATION 80" A.F.F. PER ADA	
B. NO ADDITIONAL COMPENSATION WILL BE AUTHORIZED FOR CUTTING AND PATCHING WORK THAT IS NECESSITATED BY ILL— TIMED, DEFECTIVE OR NON—CONFORMING	WHERE SUBJECTED TO ONE OR MORE OF THE FOLLOWING CONDITIONS: a. EXTERIOR LOCATION.	SHALL BE VISIBLE IN OFF POSITION WITH THE DOOR OPEN. EQUIP. WITH OPERATING HANDLE WHICH IS INTERGRAL PART OF ENCLOSURE BASE AND WHOSE OPERATING		EQUIPMENT NOT SHOWN ON DETAILS (i.e. ROOF—TOP UNITS, UNIT HEATERS, FANS ETC.).	FIRE ALARM VISUAL STATION 80" A.F.F. PER ADA	
INSTALLATIONS. C. CONTRACTOR SHALL VERIFY TRANSFORMER LOCATION AND METERING SCHEME WITH	 MOIST OR HUMID ATMOSPHERE WHERE CONDENSATE CAN BE EXPECTED TO ACCUMULATE. 	POSITION IS CLEARLY INDICATED AND IS PADLOCKABLE IN THE OFF POSITION. CONSTRUCT CURRENT CARRYING PARTS OF HIGH-CONDUCTIVITY COPPER AND SILVER-		17. CONTRACTOR IS REQUIRED TO INSTALL STANDARD RECEPTACLES FOR CIRCUITS	FIRE ALARM AUDIO STATION 80" A.F.F. PER ADA	
LOCAL UTILITY CO. VII. ELECTRICAL SUBMITTALS	c. CORROSIVE ATMOSPHERE.d. SUBJECTED TO WATER SPRAY OR DRIPPING OIL, WATER OR GREASE.	TUNGSTEN TYPE SWITCH CONTACTS. PROVIDE NEMA TYPE 3R ONLY.		DEDICATED TO SPECIFIC EQUIPMENT. SUBJECT TO THE APPROVAL OF CODE ENFORCING AGENCY.	REMOTE INDICATOR LIGHT/TEST SWITCH FOR DUCT SMOKE DETECTORS	
A. REFER TO THE CONDITIONS OF THE CONTRACT (GENERAL AND SUPPLEMENTARY) AND	e. FINAL CONNECTION TO ROTATING OR VIBRATING EQUIPMENT. 6. CUT CONDUITS STRAIGHT, PROPERLY REAM AND CUT THREADS FOR HEAVY WALL	PANELBOARDS		18. ALL 125V, SINGLE PHASE 15 AMP AND 20 AMP RATED RECEPTACLES INSTALLED	DUCT SMOKE DETECTOR WITH REMOTE INDICATOR LIGHTS AND TEST SWITCH	
DIVISION 1 SECTION :SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES FOR SUBMITTAL DEFINITIONS, REQUIREMENTS AND PROCEDURES.	CONDUIT DEEP AND CLEAN. 7. FIELD BEND CONDUIT WITH BENDERS DESIGNED FOR THE PURPOSE SO AS NOT TO	I. DESCRIPTION OF WORK A. TYPES OF PANELBOARDS FOR THIS PROJECT ARE AS FOLLOWS:		IN THE LOCATIONS SPECIFIED IN NEC.ART 210.8 (B)(1) — (8) SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER PROTECTION.	SD) SMOKE DETECTOR	
B. IN ADDITION TO THE REQUIREMENTS OF DIVISION 1. THE FOLLOWING APPLIES TO SUBMITTALS OF THIS DIVISION: 1. NO ELECTRICAL	DISTORT NOR VARY INTERNAL DIAMETER.	1. 120/208V-3 PHASE 4W-SN; SQ. D "NQOD" AS SCHEDULED. II. ACCEPTABLE MANUFACTURERS	1	19. SERVICE CONDUCTORS ARE DESIGNED BASED ON THE SERVICE DISTANCE OF 100 TO MEET THE 2% VOLTAGE DROP PER NEC.		
EQUIPMENT SHALL BE INSTALLED IN THE PROJECT UNTIL SUBMITTALS HAVE BEEN ACCEPTABLY REVIEWED BY THE OWNERS REPRESENTATIVE AND STAMPED T	CONDUCTORS	1. SQUARE D CO. (BOLT ON BREAKERS)	1	IF SERVICE CONDUCTOR IS BETWEEN: 100' TO 150' — E.C. SHALL INCREASE THE CONDUCTOR BY ONE SIZE(S) LARGER	TS) TAMPER SWITCH	
ACCORDINGLY. 2. MAKE ALL ELECTRICAL SUBMITTALS AT ONE TIME AND WITHIN FOURTEEN (14) A.	ALL WIRE SHALL BE COPPER WITH THWN INSULATION.	 SIEMENS (BOLT ON BREAKERS) GENERAL ELECTRIC (BOLT ON BREAKERS) 	1	THAN DESIGN 150' TO 200' — E.C. SHALL INCREASE THE CONDUCTOR BY TWO SIZE(S) LARGER	FACP	
CALENDAR DAYS OF OWNER'S "NOTICE TO PROCEED"TO THE GENERAL CONTRACTOR. 3. SUBMIT SIX (6) COMPLETE SETS TO OWNER'S REPRESENTATIVE. ONE SET SHALL	THE USE OF AARMORED , BX, NM, OR ANY MANUFACTURED CABLE ASSEMBLY (EXCEPT MC) SHALL NOT BE INCOPORATED INTO THE WORK.	4. WESTINGHOUSE (BOLT ON BREAKERS) III. PANELBOARDS	1	THAN DESIGN 200' TO 250' — E.C. SHALL INCREASE THE CONDUCTOR BY THREE SIZE(S)	FIRE ALARM ANNUNCIATOR PANEL	
REMAIN WITH THE OWNER'S REPRESENTATIVE, ONE SET SHALL BE DELIVERED TO	MC CABLE SHALL BE ACCEPTACBLE FOR USE ON ALL 20 AMP 120V BREAKER CIRCUITS, ALL CIRCUITS 30 AMPS AND ABOVE AND AL 208 VOLTS SHALL BE IN RACEWAY.	A. PROVIDE DEAD-FRONT SAFETY CONSTRUCTED FACTORY-ASSEMBLED CIRCUIT BREAKER	<u> </u>	LARGER THAN DESIGN ■ ■	ABBREVIATIONS	
THE OWNER AND THE OTHERS WILL BE RETURNED TO THE CONTRACTOR TO DISTRIBUTE AS REQUIRED. E.	ALL WIRING SHALL BE IN CONDUIT. COLOR CODING OF CONDUCTORS SHALL BE AS FOLLOWS:	TYPE PANELBOARDS IN SIZES AND RATINGS AS INDICATED. EQUIP. WITH PANELBOARD UNIT DEVICE, OF TYPES, RATINGS AND CHARACTERISTICS INDICATED. BUSS STRUCTURE	1	20. BRANCH CONDUCTORS ARE DESIGNED BASED ON A DISTANCE OF 100' TO MEET THE 3% VOLTAGE DROP PER NEC.	WP WEATHERPROOF AFF ABOVE FINISHED FLOOR	
4. IF ANY ITEM IN THE SUBMITTAL IS "NOT ACCEPTABLE" FOR ANY REASON, IT SHALL AUTOMATICALLY VOID THE ENTIRE SET. CONTRACTOR SHALL RE-SUBMIT AS	 120/208V SYSTEMS: PHASE A— BLACK, PHASE B— RED, PHASE C— BLUE, NEUT. — WHITE, GND. — GREEN. 	AND MAIN LUGS OR MAIN BREAKER SHALL HAVE CURRENT RATINGS AS SHOWN ON THE PANELBOARD SCHEDULE, SUCH RATINGS SHALL BE ESTABLISHED BY TEST CONDUCTED	1	IF BRANCH CONDUCTOR IS BETWEEN: 100' TO 150' — E.C. SHALL INCREASE THE CONDUCTOR BY ONE SIZE(S) LARGER THAN DESIGN		
REQUIRED TO OBTAIN ACCEPTANCE OF ALL ITEMS. 5. EACH SET SHALL BE BOUND AND INDEXED INTO GROUPS SUCH AS FIXTURES,	2. 277/480V SYSTEM: PHASE A — YELLOW, PHASE B — BROWN, PHASE C — ORANGE, NEUT. — NATURAL GRAY. GND. — GREEN.	IN ACCORDANCE WITH UNDERWRITERS LABORATORIES STANDARD UL 67. THE USE OF CONDUCTOR DIMENSIONS WILL NOT BE ACCEPTED IN LIEU OF ACTUAL HEAT TEST. BUS	1	150' TO 200' — E.C. SHALL INCREASE THE CONDUCTOR BY TWO SIZE(S) LARGER THAN DESIGN		
PANELS, WIRING DEVICES, DISCONNECT SWITCHES, ETC 6. EACH SET SHALL BE IDENTICAL. F.	AWG #10 AND SMALLER SHALL BE SOLID. AWG #8 AND LARGER SHALL BE STRANDED.	BAR CONNECTIONS TO THE BRANCH CIRCUIT BREAKERS SHALL BE "PHASE—SEQUENCE" TYPE. THREE—PHASE, FOUR WIRE BUSSING SHALL BE SUCH THAT ANY THREE	1	200' TO 250' — E.C. SHALL INCREASE THE CONDUCTOR BY THREE SIZE(S) LARGER THAN DESIGN	O.C ON CENTER ETR EXISTING TO REMAIN	
7. SUBMITTALS OF CUT SHEET AND TECHANICAL DATA SHALL BE MADE ON THE FOLLOWING ITEMS: LIGHTING EQUIPMENT, PANELS, WIRING DEVICES, DISCONNECT A.	I. WIRE CONNECTIONS ALL FEEDER AND SUB-FEEDER WIRING CONNECTIONS SHALL BE MADE WITH	ADJACENT SINGLE-POLE BREAKERS ARE INDIVIDUALLY CONNECTED TO EACH OF THE THREE DIFFERENT PHASES IN SUCH A MANNER THAT TWO OR THREE-POLE BREAKERS	1	21. E.C. IS TO VERIFY WITH LOCAL AHJ FOR REQUIREMENT OF EXTERIOR EMERGENC		
SWITCHES, MOTOR STARTERS, TRANSFORMERS. ALL SUBMITTALS SHALL BE ORIGINALS, COPIES OF CUT SHEETS ARE NOT ACCEPTABLE. B.	COMPRESSION CONNECTORS BY SQUARE D OR ACCEPTABLE EQUIVALENT. ALL BRANCH WIRING CONNECTIONS SHALL BE 3M SCOTCH LOCK CONNECTORS OR	CAN BE INSTALLED AT ANY LOCATION. ALL CURRENT CARRYING PARTS OF THE BUSS ASSEMBLY SHALL BE PLATED COPPER WITH CONDUCTIVITY OF NOT LESS THAN 98%.	1	EGRESS LIGHTING AND ADJUST BID TO INCORPORATE AS NEEDED.	A.F.F (IN.) DESCRIPTION	
8. IN CASE OF DISCREPANCIES BETWEEN SETS OF SUBMITTALS, THE SET RETAINED BY THE OWNER'S REPRESENTATIVE SHALL HAVE PRECEDENCE. C.	ACCEPTABLE EQUIVALENT. WHERE CABLE CONNECTIONS REQUIRE INSULATION, SCOTCH #33, ELECTRICAL TAPE	B. PANELBOARD ENCLOSURE: PROVIDE GALVANIZED SHEET STEEL CABINET TYPE ENCLOSURES, IN SIZES AND NEMA TYPES AS INDICATED, CODE GAUGE MINIMUM	1	22. A.I.C OF PANELS AND SERVICE ENTRANCE EQUIPMENT IS BASED ON TYPICAL TRANSFORMER SPECIFICATIONS. CONTRACTOR SHALL FIELD VERIFY EXACT UTILITY	84" AUDIBLE APPLIANCES 48" ALARMS	
VIII. IDENTIFICATION NAMEPLATES	SHALL BE USED FOR WRAPPING.	16-GAUGE THICKNESS. CONSTRUCT WITH MULTIPLE KNOCKOUTS AND WIRING GUTTERS. PROVIDE FRONTS WITH ADJUSTABLE TRIM CLAMPS, AND DOORS WITH FLUSH LOCKS AND	1	A.I.C RATING AND MAKE EQUIPMENT ADJUSTMENTS AS REQUIRED IN THE FIELD AT NO EXTRA COST TO OWNER. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY FIELI CHANGES BASED ON UTILITY EQUIPMENT DATA.		
NAMEPLATES SHALL BE MADE FROM WHITE ENGRAVING STOCK WITH BLACK LETTERS AND	BOXES AND FITTINGS BOXES AND FITTINGS	KEYS, ALL PANELBOARD ENCLOSURES KEYED ALIKE, WITH CONCEALED PIANO DOOR HINGES. FOUIP WITH INTERIOR CIRCUIT DIRECTORY FRAME, AND CARD WITH CLEAR	1	CHANGES DASED ON UTILITY EQUIPMENT DATA.	84" CLOCK OUTLETS (CENTERLINE)	
BLACK FOUR EDGE BEVEL. WORDING SHALL SUITABLY DESCRIBE ITEMS AND NAMEPLATES SHALL BE ATTACHED USING PROPER SIZE AND TYPE STAINLESS STEEL A.	EXTENT OF ELECTRICAL BOX AND ASSOCIATED FITTING WORK IS INDICATED BY	PLASTIC COVERING. PROVIDE BAKED GRAY ENAMEL FINISH OVER A RUST INHIBITOR COATING. PROVIDE ENCLOSURES FABRICATED BY SAME MANUFACTURER AS	1		48" CONTROLS (CENTERLINE)	
BOLTS. GLUE ON, TAPE ON OR TAPE TYPE NAMEPLATES ARE NOT ACCEPTABLE. IX. WARRANTIES II.	DRAWINGS AND SCHEDULES. I. OUTLET BOXES	PANELBOARDS. MINIMUM DEPTH OF 5-3/4" & MINIMUM WIDTH OF 20" FOR "NQOD"	1		80" EXIT SIGNS (WALL MOUNTED, BOTTOM) 60" FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)	
A. GUARANTEE ALL ELECTRICAL SYSTEM MATERIALS AND WORKMANSHIP TO BE FREE FROM A. DEFECTS FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE AND	CEILING: 4" SQUARE, 2-1/8" DEEP FOR EXPOSED OR FURRED WORK: 3" DEEP FOR BOXES POURED IN CONCRETE. PROVIDE CONCRETE POUR BOXES OF THE TYPE	LIGHTING FIXTURES	1		120" FIRE ALARM BELL (EXTERIOR)	NO DATE REMARKS
PROPERLY CORRECT LATENT DEFECTS ARISING WITHIN THIS PERIOD UPON	SPECIALLY DESIGNED FOR THE APPLICATION. PROVIDE PLASTER RINGS WHERE	I. LIGHTING FIXTURES	1		60" FIRE ALARM CONTROL PANEL/UNIT (DISPLAY)	REVISIONS
NOTIFICATION BY THE OWNER'S REPRESENTATIVE WITHOUT ADDITIONAL COMPENSATION	REQUIRED.	A. HANDLE LIGHTING FIXTURES CAREFULLY TO PREVENT DAMAGE, BREAKING AND SCORING.	1		36" INTERCOM (AREA ONLY)	
XI. CLEANING B.	WALL: 4" SQUARE, 2-1/8" DEEP BOXES: PROVIDE EXTENSION RINGS OR COVERS OF	DO NOT INSTALL DAMAGED FIXTURES OR COMPONENTS. REPLACE WITH NEW.	•		I 19" INTERCOM	
XI. CLEANING A. REGULARLY REMOVE REFUSE AND DEBRIS ACCUMULATING FROM ELECTRICAL	SUFFICIENT DEPTH TO BRING COVERS FLUSH WITH THE FINISHED SURFACE. MASONRY: FOR FLUSH MOUNTED BOXES IN EXPOSED MASONRY OR TILE, PROVIDE	DO NOT INSTALL DAMAGED FIXTURES OR COMPONENTS, REPLACE WITH NEW. B. STORE LIGHTING FIXTURES IN A CLEAN DRY PLACE. PROTECT FROM WEATHER, DIRT, FUMES WATER CONSTRUCTION DEBRIS AND PHYSICAL DAMAGE			48" INTERCOMS 72" PANELS/PANELBOARDS (TOP)	
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EXPOSED AND KITCHEN EQUIPMENT: PROVIDE FS OR FD BOXES WITH SUITABLE WEATHERPROOF COVERS. II. PULL AND JUNCTION BOXES PROVIDE BOXES WHERE REQUIRED TO FACILITATE THE PULLING OF WIRES OR CABLES. BOXES SHALL BE IN ACCORDANCE WITH ARTICLE 370 OF N.E.C V. ACCESSORIES PROVIDE CORROSION—RESISTANT KNOCKOUT CLOSURES, CONDUIT LOCKNUTS AND MALLEABLE IRON CONDUIT BUSHINGS, OFFSET CONNECTORS, OF TYPES AND SIZES, TO SUIT RESPECTIVE INSTALLATION REQUIREMENTS AND APPLICATIONS. INSTALLATION OF BOXES AND FITTINGS POSITION RECESSED OUTLET BOXES ACCURATELY TO ALLOW FOR SURFACE FINISH THICKNESS. FASTEN ELECTRICAL BOXES FIRMLY AND RIGIDLY TO SUBSTRATES OR STRUCTURAL SURFACES TO WHICH ATTACHED OR SOLIDLY EMBED ELECTRICAL BOXES IN CONCRETE OR MASONRY. II. LOCATIONS OF OUTLETS IN GENERAL THE VARIOUS OUTLETS ARE TO BE LOCATED AT THE FOLLOWING HEIGHTS ABOVE FINISHED FLOOR TO THE CENTER LINE OF BOX, UNLESS NOTED OTHERWISE AT AN INDIVIDUAL OUTLET ON THE DRAWINGS: 1. WALL SWITCHES (VERT. MTD.) 48" 2. RECEPTACLES (VERT. MTD.) 18" 4. OUTLETS ABOVE COUNTERS (HORZ. MTD.) 6" ABOVE BACKSPLASH. OUTLET MOUNTING HEIGHTS INDICATED ON THE DRAWINGS AT OUTLETS TAKE PRECEDENCE. REFER TO DRAWINGS FOR DETAILS OF OTHER EQUIPMENT MOUNTING HEIGHTS. MOUNTING HEIGHTS FOR FLUSH OUTLETS IN BLOCK WALLS MAY BE CHANGED FOR INSTALLATION. CONSULT OWNER'S REPRESENTATIVE IN FIELD PRIOR TO ANY SUCH	B. STORE LICHTING FIXTURES IN A CLEAN DRY PLACE. PROTECT FROM WEATHER, DIRT, FUMES, WATER CONSTRUCTION DEBRIS AND PHYSICAL DAMAGE. C. SHIP FIXTURES FACTORY ASSEMBLED, WITH PARTS REQUIRED FOR A COMPLETE INSTALLATION. D. FLUORESCENT BALLAST SHALL BE CLASS P, LOW—ENERGY RAPID START SOUND RATED A. E. PROVIDE HID LAMP BALLAST CAPABLE OF OPERATING LAMP TYPES WITH RATINGS INDICATED, REACTOR TYPE, HIGH POWER FACTOR CORE AND COIL ASSEMBLY ENCAPSULATED IN NON MELT RESIN, INSTALL CAPACITOR OUTSIDE BALLAST ENCAPSULATION FOR EASY FIELD REPLACEMENT. F. PROVIDE FLUORESCENT LAMPS OF TYPES INDICATED. H. PROVIDE INCANDESCENT LAMPS IN THE SIZES AND RATED AS INDICATED AND 130 VOLT RATED. I. PROVIDE INCANDESCENT LAMPS IN THE SIZES AND RATED AS INDICATED AND 130 VOLT RATED. J. INSTALL FLUSH MOUNTED FIXTURE OUTLET BOXES WITH HANGERS TO PROPERLY SUPPORT FIXTURE WEIGHT. J. INSTALL FLUSH MOUNTED FIXTURES TO ELIMINATE LIGHT LEAKAGE BETWEEN FRAME AND FINISHED SURFACE. K. AT DATE OF SUBSTANTIAL COMPLETION REPLACE LAMPS IN ALL FIXTURES WHICH ARE OBSERVED TO BE INOPERATIVE OR NOTICEABLY DIMMED AFTER CONTRACTORS USE AS JUDGED BY THE OWNER'S REPRESENTATIVE	Sheet Number Electrical E0.0 E1.0 E2.0 E2.0 E3.0 ELECTRICAL PLAN – LIGHTING E3.0 ELECTRICAL PLAN – POWER E4.0 ELECTRICAL DETAILS	NOTE! AS NOTED IN THE SPECIFICATIONS, ALL WIRING LAYOUTS, PIPING LAYOUTS AND DUCT LAYOUTS ARE SCHEMATIC. EXACT LOCATIONS SHALL BE DETERMINED BY THE CONSTRUCTION AND STRUCTURE OF THE BUILDING AND SHALL BE VERIFIED AND COORDINATED IN THE FIELD. EACH TRADE CONTRACTOR SHALL VERIFY WITH THE GENERAL CONTRACTOR THAT HE HAS THOROUGHLY REVIEWED AND COORDINATED ALL LOCATIONS AND ROUTINGS WITH ALL OTHER TRADES PRIOR TO FABRICATION OF CONDUITS, DUCTS, OR PIPING, AND START OF INSTALLATION OF SAME (INCLUDIN SPRINKLER PIPING WHEN PRESENT ON JOB). ANY INSTALLATION OF CONSTRUCTIC CONFLICTS WHICH OCCUR IN THE FIELD SHALL BE RESOLVED BY THE TRADE CONTRACTOR TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND AT NEXPENSE TO THE OWNER, ARCHITECT AND/OR GENERAL CONTRACTOR. THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST. BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AN ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLE IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOW WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF WITH SOVERNING CODES, THE PLANS AND SPECIFICATIONS NOW WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF WITH SOVERNING CODES, THE PLANS AND SPECIFICATIONS NOW WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF WITH SOVERNING CODES, THE PLANS AND SPECIFICATIONS NOW WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF WITHSTANDING.	72" PANELS/PANELBOARDS (TOP) 48" PULL STATIONS (HANDLE) 144" PHOTOCELLS 18" RECEPTACLES (CENTERLINE) 24" RECEPTACLES (EXTERIOR) 26" RECEPTACLES (GARAGES) 48" RECEPTACLES IN EQUIPMENT ROOMS 10 48" REMOTE INDICATING LIGHT (EQUIPMENT ROOMS) 10 CEILING REMOTE INDICATING LIGHT (FINISHED AREAS) 10 48" SAFETY SWITCHES 10 48" STARTERS 10 48" SWITCHES (CENTERLINE) 1048",1036" TELEPHONES (PUBLIC) 18" TELEPHONE DATA OUTLETS (CENTERLINE) 6" TELEPHONE TERMINAL BOARD (BOTTOM) 18" TELEVISION OUTLETS 84" VISIBLE APPLIANCES (CENTERLINE)	N HWY 19 & CR 44 EUSTIS, FL PROJECT NO: 2018.0328 DATE: 08-27-2018





Landre	th Luminai	re Schedule									
Label	Qty	Symbol	Arrangement	[MANUFAC]	Description	LLF	Lum. Lumens	Lum. Watts	Total Watts	Cutoff Class	BUG Rating
SLA1	3	-	SINGLE	Lithonia Lighting	DSX0 LED P6 40K T3M MVOLT XPA DBLXD; POLE MOUNTED @ 25' AFG	1.000	15975	119	134	N.A.	B3-U0-G3
SLA2	1	4	BACK-BACK	Lithonia Lighting	DSX0 LED P6 40K T3M MVOLT XPA DBLXD; POLE MOUNTED @ 25' AFG	1.000	15975	119	268	N.A.	B3-U0-G3
SLB1	1		SINGLE	Lithonia Lighting	DSX1 LED P9 40K T3M MVOLT XPA HS DBLXD; POLE MOUNTED @ 25' AFG	1.000	27597	115	241	N.A.	B3-U0-G4

	VOLTAGE DROP CALCULATIONS														
CIRCUIT		VOLTS	VOLTS	PHASE	AMPS	CIRCUIT	SYSTEM	WIRE	WIRE	CONDUIT	ONE-WAY	INCREMENTAL	INCREMENTAL	TOTAL V.D.	TOTAL V.D.
		(L-N)	(L-L)			WIRES	p.f.	SIZE	TYPE	TYPE	LENGTH	VOLTAGE DROP	VOLTAGE DROP	FROM SOURCE	ATLOAD
FROM	то	(1Ø)	(1Ø or 3Ø)	(1=1Ø, 3=3Ø)	(per ckt wire)	(# in parallel)		(AWG or kcmil)	(CU, AL)	(STL,PVC,AL)	(FT.)	(volts)	(%)	(volts)	(%)
TRANSFORMER	DISC SW.		208	3	277.0	2	0.90	350	CU	PVC	66	0.82	0.4%	0.82	0.4%
PNL"A"	IONUMENT SIG	120		1	10.0	1	0.90	8	CU	PVC	250	3.62	3.0%	3.62	3.0%

GENERAL NOTES

1. VERIFY WITH LOCAL AUTHORITIES AND UTILITIES THAT OWNER'S SIGNS, POLES, AND THEIR APPURTENANCES ARE NOT LOCATED ON OR OVER ANY EASEMENT OR MUNICIPAL RIGHT OF WAY.

TOPO SURVEY SITE PLANS. REFER TO C-DRAWINGS.

- 2. SITE WORK, UTILITY, AND ROADWAY INFORMATION ARE TAKEN FROM BOUNDARY AND
- 3. MINIMUM CONDUIT SIZE SHALL BE 3/4"C. MINIMUM CONDUCTOR SIZE SHALL BE #10AWG COPPER UNLESS OTHERWISE NOTED.
- 4. REFER TO BUILDING ELECTRICAL DRAWINGS FOR EXTERIOR LIGHTING CONTROL.
- 5. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ONLY NEW AND U.L. LABELED ELECTRICAL EQUIPMENT, UNLESS INDICATED OTHERWISE BY THE CONTRACT DOCUMENTS.
- 6. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL CONTACT ALL UTILITIES FOR VERIFICATION AND IDENTIFICATION OF ALL UNDERGROUND RUNS, PRIOR TO SITE TRENCHING ("CALL BEFORE YOU DIG").
- 7. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL PERFORM ALL WORK IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRIC CODE (NFPA 70), AND THE LIFE SAFETY CODE (NFPA 101), AS ADOPTED AND/ OR AMENDED BY STATE AND LOCAL AUTHORITIES HAVING JURISDICTION.
- 8. FOR WORK UNDER THIS DIVISION, ELECTRICAL CONTRACTOR SHALL COORDINATE AND FIELD VERIFY LOCATIONS OF ALL UTILITY SERVICE RUNS, ORIGINATIONS, TERMINATIONS AND ANY INSTALLATION REQUIREMENTS (i.e. ELECTRICAL, TELEPHONE, WATER, GAS, SEWAGE, ETC.), AS RELATED TO THIS JOB, OR THEREBY
- 9. E.C. TO VERIFY VOLTAGE DROP IN SITE LIGHTING CIRCUITS.

KEYED NOTES (=)

- 1. PROVIDE SECONDARY CONDUITS FROM UTILITY TRANSFORMER TO CT/METER MOUNTED ON BUILDING EXTERIOR. VERIFY EXACT REQUIREMENTS WITH LOCAL UTILITY COMPANY PRIOR TO INSTALLATION.
- 2. PROVIDE METER ON BUILDING EXTERIOR PER LOCAL UTILITY COMPANY REQUIREMENTS.
- 3. SEE POLE BASE DETAIL ON CIVIL SITE PLAN SHEET SL1 FOR ADDITIONAL INFORMATION. SEE SL1 FOR LIGHTING SPECIFICATIONS. ALL SITE LIGHTING CONDUIT IS TO BE UNDERGROUND.
- 4. PROVIDE ONE 4" UNDERGROUND PVC CONDUIT WITH PULL STRING PER TELEPHONE UTILITY COMPANY'S SPECIFICATIONS AND REQUIREMENTS FOR TELEPHONE SERVICE. COORDINATE EXACT ROUTING AND STUB-UP LOCATION WITH THE TELEPHONE UTILITY COMPANY AND CLEARLY MARK STUB-UP LOCATION. STUB-UP LOCATIONS INDICATED ARE BASED ON INFORMATION THAT WAS AVAILABLE DURING DESIGN. SUBMIT A LINEAL FOOT UNIT PRICE WITH THE BID FOR ADDITIONAL CONDUIT, OF EACH SIZE AND TYPE INDICATED, IN THE EVENT THE FINAL UTILITY COMPANY DIRECTED STUB-UP LOCATION DIFFERS FROM WHAT IS INDICATE
- 5. VERIFY EXACT LOCATION WITH OWNER FOR MONUMENT SIGN. PROVIDE WEATHERPROOF JUNCTION BOX AND 20A TOGGLE SWITCH 18" AFG FOR MAINTENANCE DISCONNECT SWITCH FOR MAIN I.D. SIGN.
- 6. PROVIDE GFCI TYPE WEATHERPROOF RECEPTACLE MOUNTED ON MAIN SIGN SUPPORT +14" AFG. THIS RECEPTACLE SHALL NOT BE SWITCHED. (BYPASS THE CONTACTOR AND SIGN'S DISCONNECT SWITCH.)

FAULT	CURREN	IT CA	ALCULAT:	ION			
TRANSFORMER SIZE (KVA)							225
TRANSFORMER Z (%)							1.6
"C" FACTOR (#350 COND.)							22,737
NUMBER OF CONDUCTORS PER PHASE							2
LINE TO LINE VOLTAGE							208
LINE TO NEUTRAL VOLTAGE							120
LENGTH OF SERVICE							66
I= -	225	Χ	1000	_		=	625
1-	1.73	Χ	208			_	023
I(sca)= -	625	Χ	100	_		=	39,034
1(304)——		1.60				_	00,001
F= -	39,034	Χ	1.73	Χ	66	- =	0.47
1	2	Χ	22,737	Χ	208		0.47
M= -	1	- ₌ -	1	_		=	0.68
WI — **	1+0.47	_	1.47			_	v.00
Isc AT SERVICE DISCONNECT=	39,034	Χ	0.68			=	26,522

SERVICE EQUIPMENT RATING

42,000

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 IF REQUIRED. (AFTER REVISIONS, 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

INTERPLAN

ARCHITECTURE ENGINEERING INTERIOR DESIGN PROJECT MANAGEMENT

> AA 003420 CA 8660

604 COURTLAND STREET SUITE 100 ORLANDO, FLORIDA 32804 PH 407.645.5008 FX 407.629.9124

THIS DOCUMENT IS NOT FOR REGULATORY APPROVAL, PERMITTING, OR CONSTRUCTION.

NO DATE REMARKS **REVISIONS**

SHELL BUILDING for DOLLAR TREE

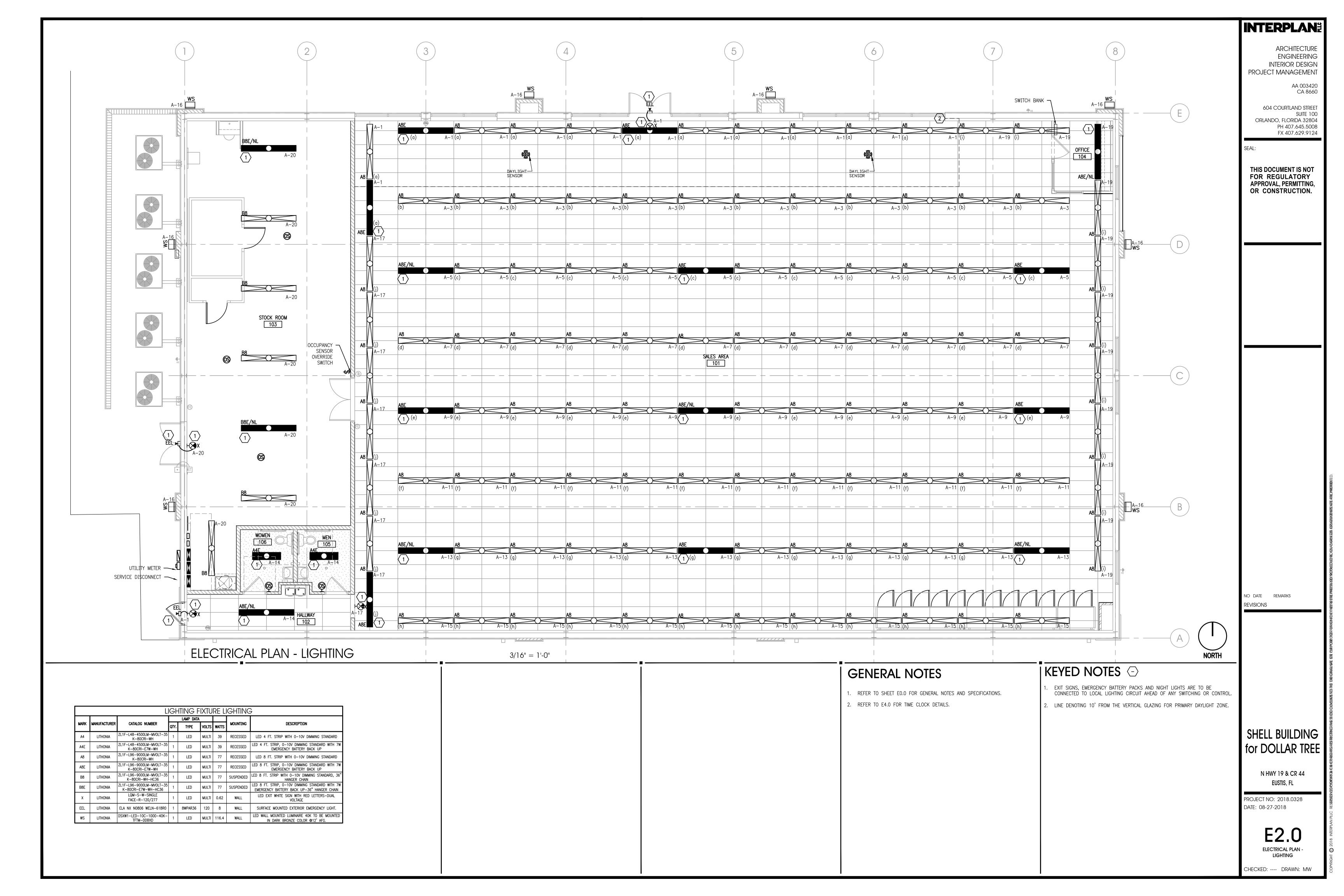
N HWY 19 & CR 44

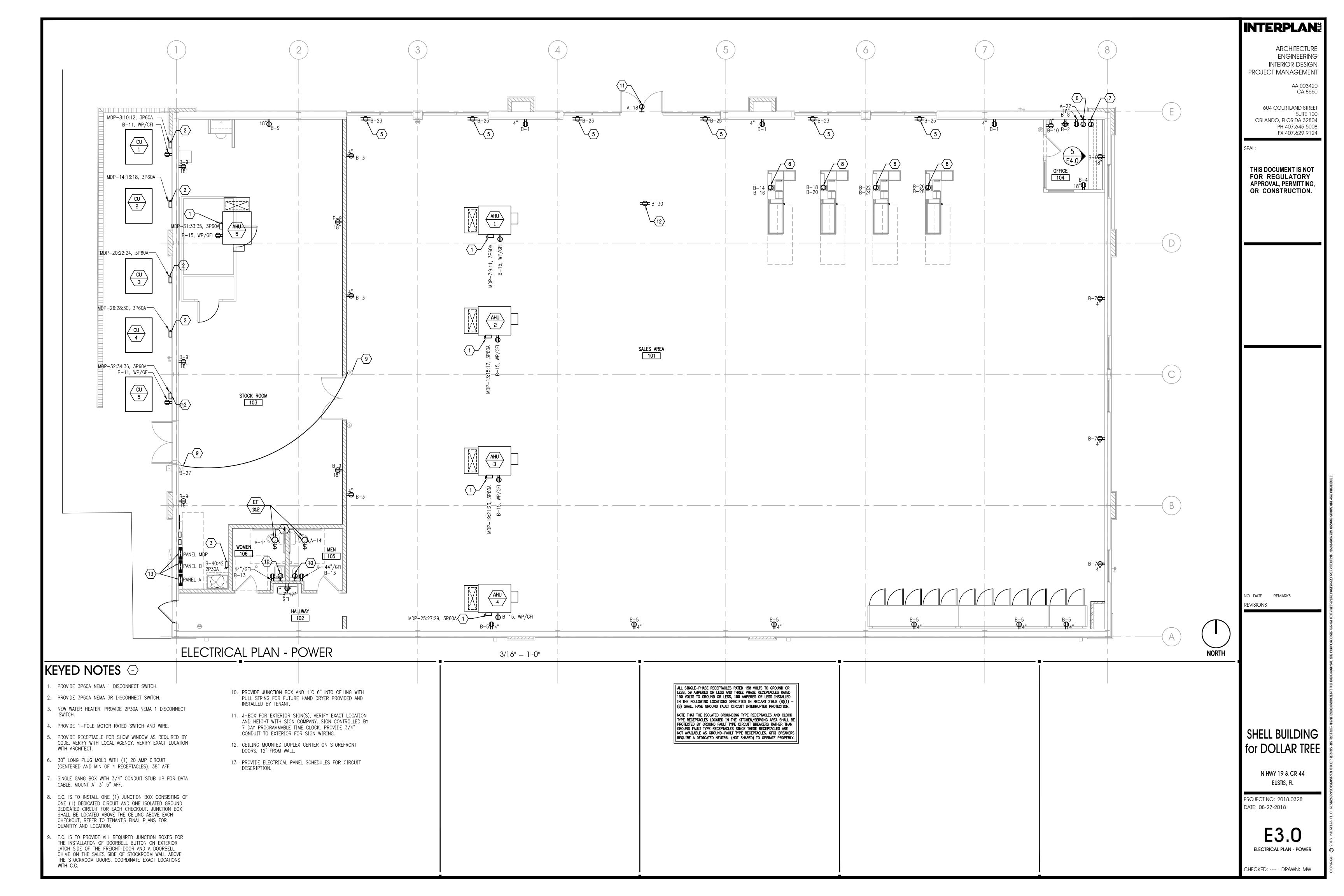
EUSTIS, FL

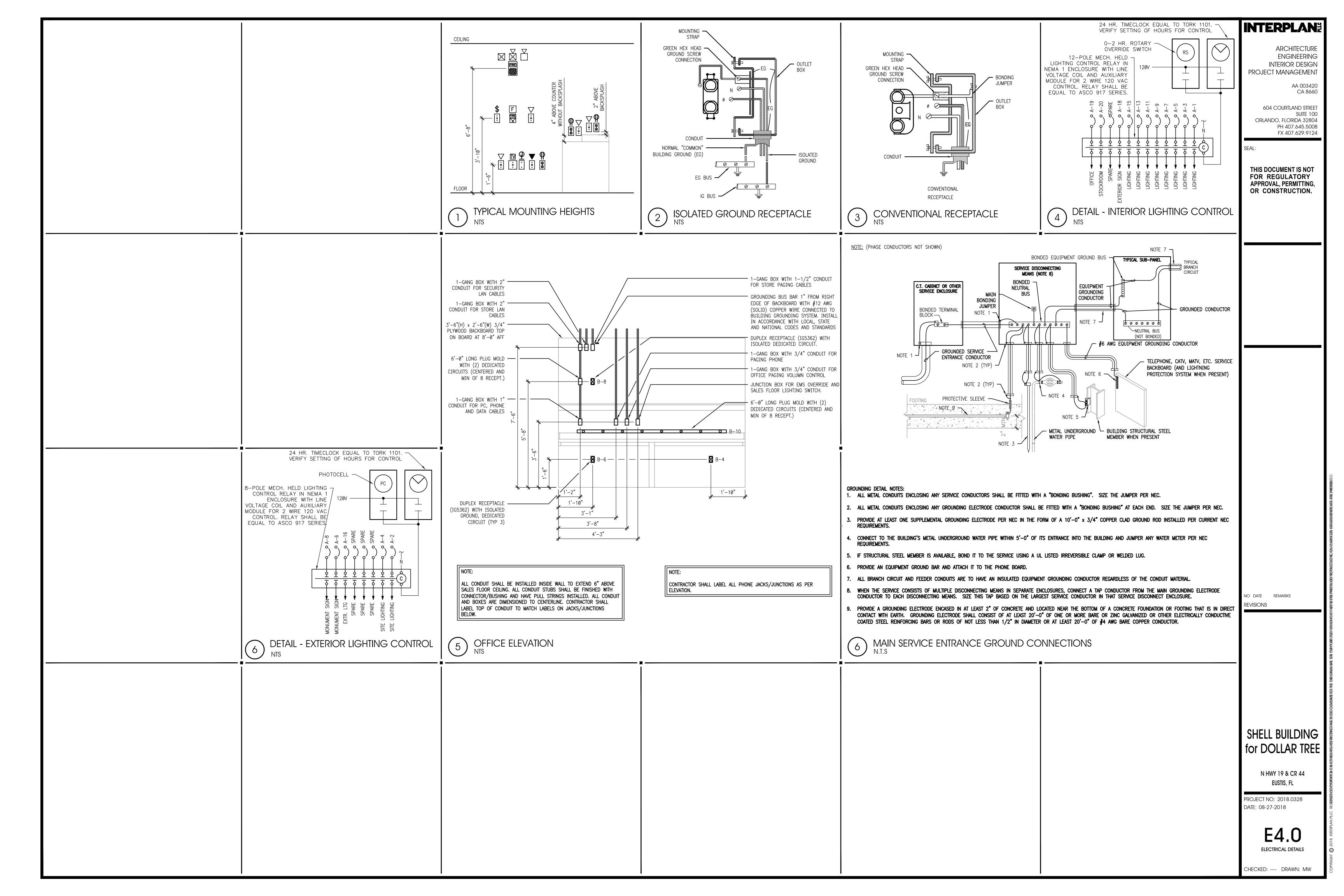
PROJECT NO: 2018.0328 DATE: 08-27-2018

ELECTRICAL SITE PLAN

CHECKED: ---- DRAWN: MW







NIDDATED 10 (00 (00 to 10 to 1		INTERPL/
UPDATED: 8/22/2018 2:51 pm ISSUED FOR: APPROVAL LOCATION: KITCHEN MAIN: 600A MLO CONN. LOAD: 145.3 KVA	UPDATED: 8/6/2018 1:47 pm ISSUED FOR: APPROVAL LOCATION: STOCK ROOM LOC	ARCHITEC ENGINEEI
LOCATION: KITCHEN VOLTAKE: 208Y/120V VOLTAKE:	CONN. LOCAL 18 WATER 18	BUS: YES CKT
te 1. Feeder size: SEE RISER DIAGRAM	Note 1. Feeder size: SEE RISER DIAGRAM Note 2. Provide Isolated Ground conductor(s) for circuit(s) 4, 6, 8, 10, 16, 20, 24, 28 ELECTRICAL CONTRACTOR SHALL OBTAIN APPROVAL FROM UTILITY COMPRAY THAT LOAD WILL NOT OVERLOAD UTILITY COMPRAY THAT LOAD WILL YER COMPRAY THAT LOAD WILL YE COMPRAY THAT LOAD WILL YER COMPRAY THAT LOAD WILL YE COMPRAY THAT LOAD WILL YER COMPRAY THAT YER CO	
	PROOR TO ENERGIZED.	NO DATE REMARKS REVISIONS
	2 SETS OF [(4) #350 KCMIL CU, 2 SETS OF [(4) #350 KCMIL CU IN 3°C] ELECTRICAL SERVICE/DISTRIBUTION RISER DIAGRAM NTS	SHELL BUILDI for DOLLAR N HWY 19 & CR 4 EUSTIS, FL PROJECT NO: 2018.0328 DATE: 08-27-2018 ELECTREICAL PANE

ELECTREICAL PANEL SCHEDULES AND RISER

CHECKED: ---- DRAWN: MW