

ROBERT A. SALSBRURY

LICENSE

NO. 49852

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

This item has been electronically signed and sealed by Robert A. Salsbury PE 49852 on the date adjacent to the seal using a Digital signature.

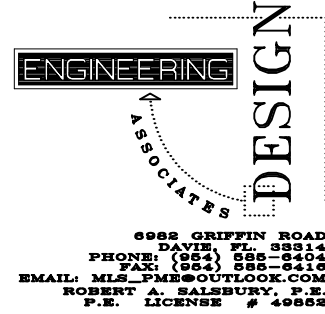
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Robert Salsbury

Digitally signed by Robert Salsbury

Date: 2024.05.02

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SEAL:

ELECTRICAL

PROJECT TITLE

2551 HAMMONDVILLE RD,
POMPANO BEACH, FL 33

DATE ISSUED
05/01/24

REVISIONS - DATE

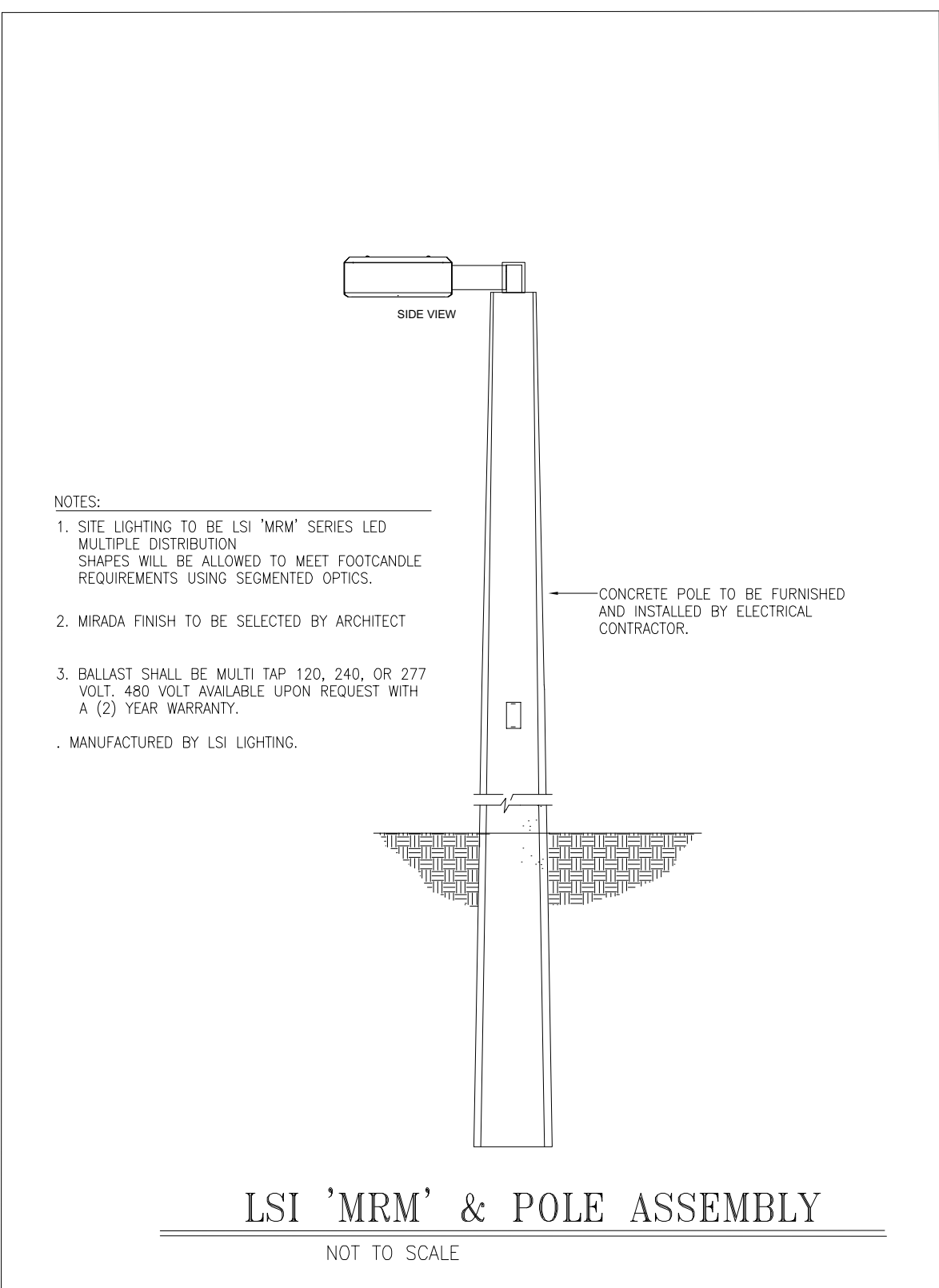
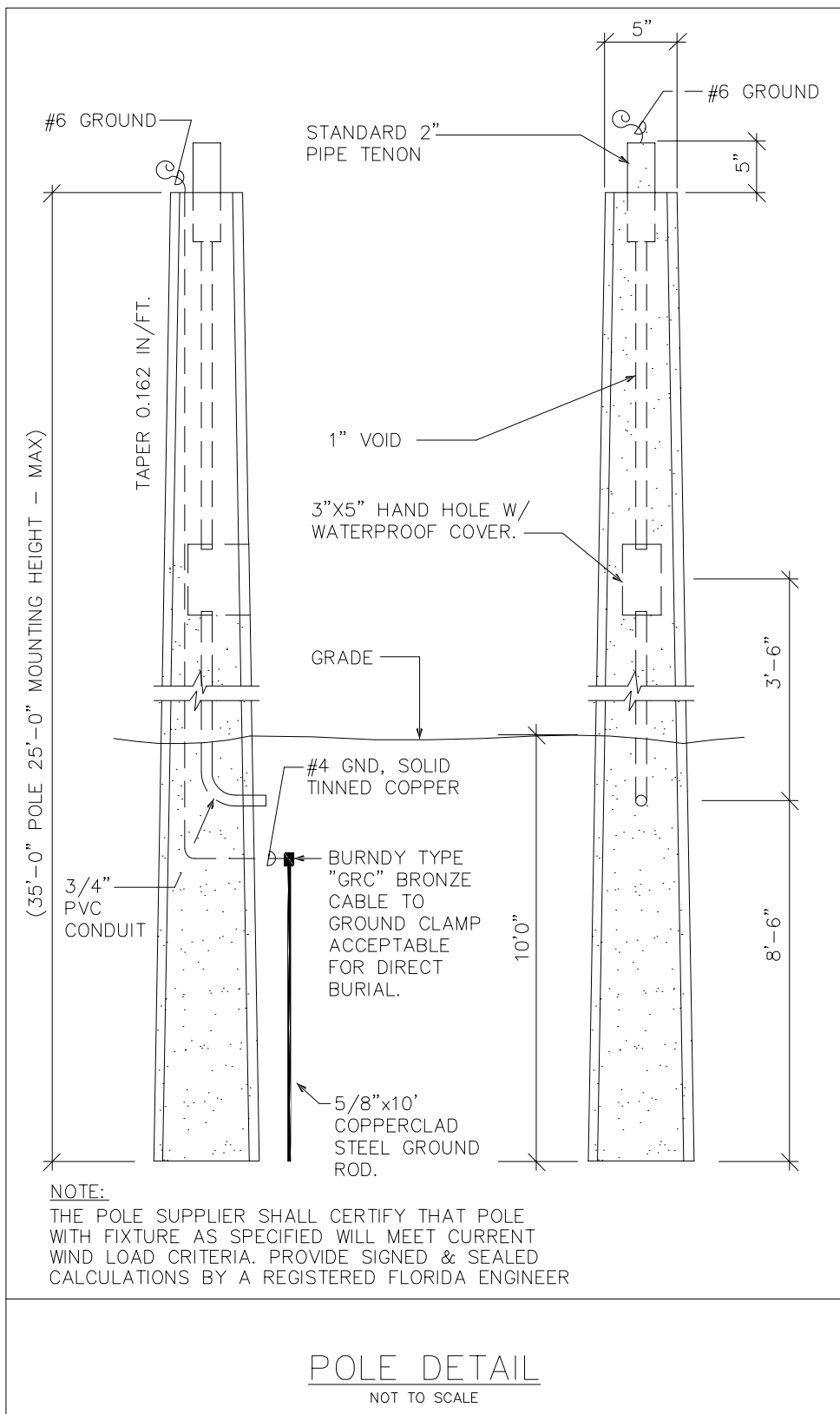
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SHEET TITLE
NOTES,
LEDGEND &
RISER

PROJECT NO. E-180	CHECKED BY: M.L.S.
SCALE: AS NOTED	DRAWN BY: PME

SHEET NO.

E-2



Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min
Parking	Illuminance	Fc	3.77	11.9	1.0	3.77
Property	Illuminance	Fc	0.35	0.9	0.0	N.A.

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Lum. Lumens	Lum. Watts	LLF
12	1	P-4	SINGLE	57400	383	0.900
4	1	P-1-HSS	SINGLE	32030	296.4	0.900
4	1	P-4-HSS	SINGLE	40500	383	0.900
5	1	WM	SINGLE	8543	70.56	0.900

ELECTRICAL AND LIGHTING LEGEND	
SYMBOL	DESCRIPTION
⊕	DUPLEX RECEPTACLE, 120V, 20A, 16" AFF., TAMPER PROOF
⊕⊕	DUPLEX-DUPLEX RECEPTACLE, 120V, 20A, 16" AFF., TAMPER PROOF
⊕⊕⊕	DUPLEX RECEPTACLE, 120V, 20A, GFCI PROTECTED, 36" AFF., TAMPER PROOF
⊕⊕⊕⊕	DUPLEX RECEPTACLE, 120V, 20A, GFCI PROTECTED WITH WATER PROOF COVER, TAMPER PROOF
⊕⊕⊕⊕⊕	RECEPTACLE, 120V, 20A, DEDICATED CIRCUIT., TAMPER PROOF
▼	DATA/TELEPHONE OUTLET, 3/4" CONDUIT WITH 1000 BOX & PLATE COVER TO ACCESSIBLE CEILING SPACE. TERMINATE WITH COUPLING PROVIDE PULLSTRING.
⊕	METER, ELECTRICAL.
⊕	PANEL, ELECTRICAL.
⊕	TELEVISION OUTLET.
⊕	DISCONNECT SWITCH, 1/2" HP, 120V, 20A, 42" AFF. PHASE SWITCH AMPACITY NEMA RATING FUSE AMPACITY
⊕	EXHAUST FAN 1/16 HP OR SMALLER, 120V, U.O.N.
⊕	J-BOX WITH 1" EMPTY TO ACCESSIBLE CEILING SPACE, PROVIDE PULL & STRING FLOOR PLATE.
⊕	WALL MOUNTED J-BOX.
⊕	EXIT FIXTURE WITH BATTERY BACKUP, 120V.
⊕	BATTERY POWERED EMERGENCY LIGHTING FIXTURE, 120V. MINIMUM 90 MINUTES POWER SUPPLY.
⊕	COMBINATION BATTERY POWERED EMERGENCY LIGHTING/EXIT FIXTURE, 120V. MINIMUM 90 MINUTES POWER SUPPLY.
⊕	TOGGLE SWITCH, 120V, 20A, 42" AFF.
⊕	3-WAY TOGGLE SWITCH, 120V, 20A, 42" AFF.
⊕	4-WAY TOGGLE SWITCH, 120V, 20A, 42" AFF.
⊕	SPST WALL SWITCH WITH OCCUPANCY SENSOR, 120V.
⊕	SPST MOMENTARY CONTACT LIGHTING SYSTEM OVERWIDE SWITCH.
N	NEW.
E	EXISTING.
R	RELOCATED.
IG	ISOLATED GROUND.
WP	WATER PROOF.
N1	NEMA 1 RATING.
N3R	NEMA 3R RATING.
GFI	GROUND FAULT INTERRUPT.
A.F.F.	ABOVE FINISHED FLOOR.
U.N.O.	UNLESS NOTED OTHERWISE.
NOTE:	MOUNTING HGT. OF DUPLEX RECEPTACLES, TOGGLE SWITCHES, THERMOSTATS, ETC. SHALL COMPLY WITH THE HANDICAP CODE.

- ALL WORK SHALL CONFORM WITH ALL LOCAL, STATE, FEDERAL ORDINANCES AND BUILDING CODES GOVERNING THE INSTALLATION OF THE ELECTRICAL SYSTEM. IF WORK AS LAID OUT, INDICATED OR SPECIFIED IS CONTRARY TO OR CONFLICTS WITH LOCAL ORDINANCES, BUILDING CODES AND REGULATIONS, THE CONTRACTOR SHALL REPORT IN WRITING TO THE PROJ. MGR/ENGINEER OF RECORD BEFORE SUBMITTING A BID. THE PROJ. MGR/ENGINEER OF RECORD WILL THEN ISSUE INSTRUCTIONS AS HOW TO PROCEED.
- THE DRAWINGS ARE TO BE CONSIDERED DIAGNOSTIC, NOT NECESSARILY SHOWING IN DETAIL OR TO SCALE ALL OF THE MINOR ITEMS. UNLESS SPECIFIC DIMENSIONS ARE SHOWN, THE STRUCTURAL, ARCHITECTURAL AND SITE CONDITIONS SHALL GOVERN THE EXACT LOCATIONS. CONTRACTOR SHALL FOLLOW DRAWINGS IN LAYING OUT WORK, CHECK DRAWINGS OF ALL TRADES TO VERIFY SPACES IN WHICH WORK WILL BE INSTALLED AND MAINTAIN MAXIMUM HEAD ROOM, OR SPACE CONDITIONS AT ALL POINTS. WHERE HEAD ROOM, OR SPACE CONDITIONS APPEAR INADEQUATE, PROJ. MGR/ENGINEER OF RECORDS SHALL BE NOTIFIED BEFORE PROCEEDING WITH INSTALLATION. THIS CONTRACTOR SHALL, WITHOUT EXTRA CHARGE, MAKE FIELD MODIFICATION IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF VARIOUS TRADES OR FOR PROPER EXECUTION OF THE WORK.
- EXAMINE ALL DRAWINGS CAREFULLY PRIOR TO SUBMITTING A BID. CONTRACTOR WILL BE REQUIRED TO FURNISH, INSTALL AND/OR CONNECT WITH APPROPRIATE SERVICES ALL ELECTRICAL ITEMS SHOWN ON ANY OF THE ARCHITECTURAL, PLUMBING, AIR CONDITIONING, FIRE PROTECTION (FP) DRAWINGS WITHOUT ADDITIONAL EXPENSE TO THE OWNER. IF DISCREPANCIES, CONFLICTS, INTERFERENCES OR OMISSIONS OCCUR BETWEEN DRAWINGS, NOTIFY IN WRITING THE PROJ. MGR/ENGINEER IN AMPLE TIME TO PERMIT REVISIONS BEFORE THE BIDS ARE SUBMITTED ENGINEER OF RECORDS.
- VERIFY SERVICE CHARACTERISTICS, LOCATION AND CONNECTION WITH TELEPHONE AND ELECTRIC UTILITY COMPANIES PERFORM ALL WORK RELATED TO SERVICE IN STRICT ACCORDANCE WITH UTILITY Co. STANDARDS AND REQUIREMENTS.
- INSTALL MATERIALS AND EQUIPMENT IN A FIRST CLASS WORKMANLIKE MANNER. THE OWNER RESERVES THE RIGHT TO DIRECT REMOVAL AND REPLACEMENT OF ITEM WHICH, IN HIS OPINION, DO NOT PRESENT A WORKMAN-LIKE APPEARANCE. REMOVAL AND REPLACEMENT IS TO BE DONE IMMEDIATELY WHEN DIRECTED BY THE OWNER IN WRITING, AT THE SOLE EXPENSE OF CONTRACTOR.
- START OF WORK BY CONTRACTOR SHALL BE CONSIDERED AS ACCEPTANCE BY HIM-HER OF ALL CLAIMS OR QUESTIONS AS TO SUITABILITY OF THE WORK OF OTHER TRADES OR OTHER CONTRACTORS TO RECEIVE HIS/HER WORK. THIS CONTRACTOR SHALL REMOVE AND REPLACE, AT HIS/HER EXPENSE, ALL ELECTRICAL WORK WHICH MAY HAVE TO BE REMOVED BECAUSE OF INTERFERENCE WITH OTHER TRADES.
- THE CONTRACTOR SHALL OBTAIN AND PAY ALL INSURANCE, FEES, PERMITS ASSOCIATION DUES, ROYALTIES, AND TAXES OF WHATEVER NATURE SHALL APPLY TO THIS WORK. HE SHALL ALSO PAY ALL INSPECTION FEES AS MAY BE REQUIRED BY LAW OR ORDINANCE AND SHALL KEEP THE OWNER HARMLESS FROM ANY DAMAGE AND EXPENSE ARISING FROM ANY VIOLATION OF THE LAWS, RULES OR ORDINANCES.
- ALL WIRE COPPER, IN RACEWAY, UNLESS OTHERWISE SPECIFIED ON DRAWINGS.
- WIRE UP COMPLETE ALL THE A/C EQUIPMENT AND CONTROLS AS DIRECTED BY A/C CONTRACTOR. CONTROL WIRING SHALL BE SEPARATE RACEWAY FROM POWER WIRING.
- PROVIDE RACEWAY FOR TELEPHONE SYSTEM. 1/2" CONDUIT W/1000 BOX & SINGLE GANG MUD RING. TERMINATE IN CEILING SPACE W/COUPLING.
- PROVIDE MEANS "FURNISH AND INSTALL".
- COORDINATE WORK WITH WORK OF OTHER TRADES TO AVOID ALL CONFLICTS.
- DO A COMPLETE JOB, EVERYTHING CONNECTED, READY FOR USE.
- PROVIDE TEMPORARY WIRING SYSTEM FOR USE OF ALL TRADES, ADEQUATE FOR ENTIRE NEEDS OF THIS PROJECT.
- CONNECT ALL MOTORS, STARTERS, CONTROLS, DISC. SWITCHES, CTK. BKR. ETC., WHETHER FURNISHED UNDER THIS CONTRACT BY THE GENERAL CONTRACTOR, OTHER SUBCONTRACTORS, OR THE OWNER.
- PROVIDE PULL WIRES WHEN EMPTY CONDUITS ARE SHOWN ON THE PLANS.
- PROVIDE LIGHT FIXTURES AS PER SCHEDULE.
- PROVIDE EMPTY PVC RACEWAYS (SERVICE ENTRANCE) FOR TELEPHONE Co. & CABLE TV Co. AS PER THEIR REQUIREMENTS AND DIRECTIONS.
- PROVIDE ALL WIRING DEVICES.
- IDENTIFY CLEARLY ON A TYPE WRITTEN FORM ALL CIRCUITS AND EQUIPMENT TO CORRESPOND WITH THE PLANS AND PANELS SCHEDULE AND ATTACH INSIDE THE PERTAINING PANEL.
- PROVIDE FIRE ALARM SYSTEM AS PER LOCAL AUTHORITIES REQUIREMENTS. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR FIRE ALARM UNDER SEPARATE PERMIT.
- RACEWAYS: ALL UNDERGROUND RACEWAYS TO BE PVC, INSIDE CONCRETE SLAB EMT WITH APPROVED SET SCREW FITTING, INSIDE PARTITION EMT OR APPROVED CABLE WHERE THE OTHER END OF THE RACEWAY IS AN APPROVED GROUNDING MEANS OF A LISTED CABLE ASSEMBLY FOR FLOOR PENETRATION USE ONLY EMT.
- SHOP DRAWINGS: THIS CONTRACTOR SHALL FURNISH THE ENGINEER WITH SHOP DRAWINGS OF EQUIPMENT PRIOR TO PURCHASE FOR APPROVAL.
- TESTING: THE CONTRACTOR SHALL TEST ALL WORK AND EQUIPMENT AS DIRECTED BY THE PROJ. MGR AND BY AUTHORITIES HAVING JURISDICTION, FURNISHING ALL EQUIPMENT AND NECESSARY PERSONNEL AND ELECTRIC POWER. THE ENTIRE INSTALLATION SHALL BE TESTED FOR SHORTS, GROUNDING AND OPEN CIRCUITS, AND ALL DEFECTS SHALL BE DEMONSTRATED TO BE IN PROPER WORKING AND OPERATING CONDITION TO THE COMPLETE SATISFACTION OF THE ENGINEER OF RECORDS.
- GUARANTEES: ALL EQUIPMENT AND MATERIALS SHALL BE GUARANTEED FOR ONE YEAR AFTER THE DATE OF ACCEPTANCE BY OWNER.
- AT COMPLETION OF JOB THE ELECTRICAL CONTRACTOR SHALL GIVE THE OWNER AN AS-BUILT SET OF PDF FILES SHOWING THE EXACT ELECTRICAL INSTALLATION. AS-BUILT DRAWING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR PERFORMING WORK. IF THE CONTRACTOR PERFORMING WORK CHOOSES ENGINEERING OF RECORD OFFICE TO PRODUCE CHANGES BEFORE PERMIT ISSUANCE IN THE FORM OF AS-BUILT CONDITIONS, IT WILL BE NECESSARY TO DIRECTLY CONTRACT FOR SERVICES. CALL OR EMAIL TO REQUEST QUOTE.
- BEFORE BIDDING THE PROJECT THE ELECTRICAL CONTRACTOR SHALL VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.
- WIRES SMALLER THAN #6 SHALL HAVE THIN INSULATION, #6 & LARGER SHALL HAVE THIN INSULATION.