

GULF COAST STATE COLLEGE NORTH BAY CAMPUS DRIVER TRAINING PAD LIGHTING UPGRADES

GCSC ITB#5-20182019

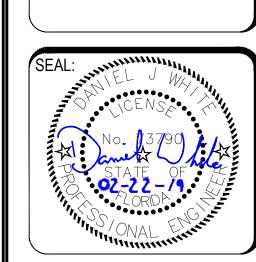
637 HWY. 2300 SOUTHPORT, FL 32409

Baker Crestview	Bonifay_ Chipley - Cotto dale Marianna
Milton:	Springs (90) Sneads (90) Snead
Pace 85 Nicevi	
Pensacola Navarre Santa Rosa Destin	Miramar Blountatown Hosford
Bendh Perisacola	Beach 98 Rosemary Beach Lynn Haven
	Panama: City Beach Wewahitchka Apalachic National Fe
	National Fe
	Mexico Beach (5) Tate's Hell State Forest White City Apalachicola Can
	Part St Joseph Wildlife and Apalacheola
	Bay/Aquatic Preserve

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Coast State College orth Bay Campus ning Pad Lighting Upgrad



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COVER SHEET

C10

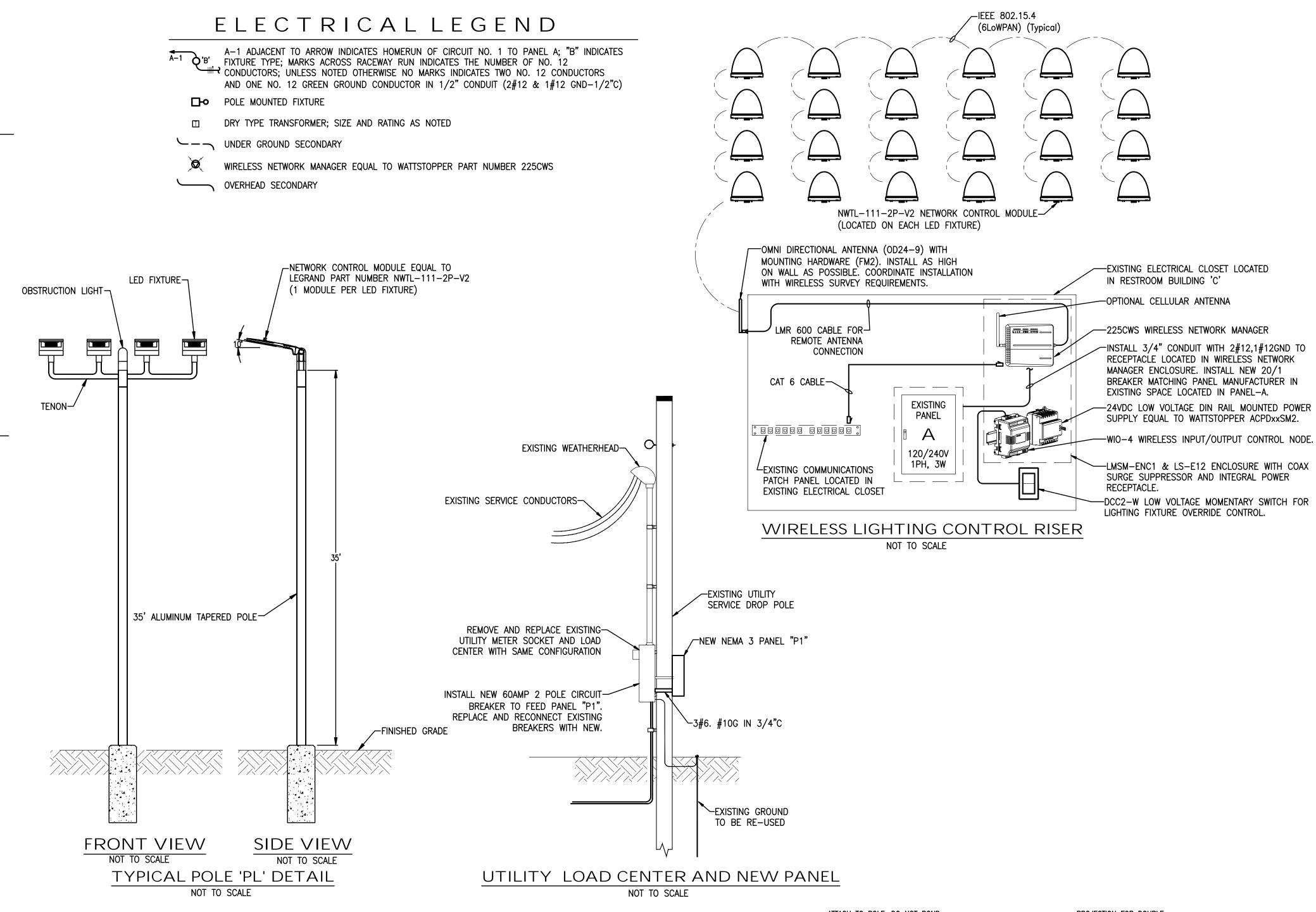
THE LOCATIONS OF ALL ELECTRICAL EQUIPMENT INDICATED (FIXTURES & DEVICES) MAY VARY FROM DRAWING. EXISTING CONDITIONS AND DEMOLITION WORK WAS DETERMINED BY SITE OBSERVATION AND REVIEW OF EXISTING DOCUMENTS WITHOUT THE BENEFIT OF DESTRUCTIVE INVESTIGATION. VERIFY ACTUAL LOCATIONS, TYPES, AND QUANTITIES OF EQUIPMENT AND APPLY DEMOLITION NOTES AS APPROPRIATE FOR THE EQUIPMENT AND ROOM OR AREA.

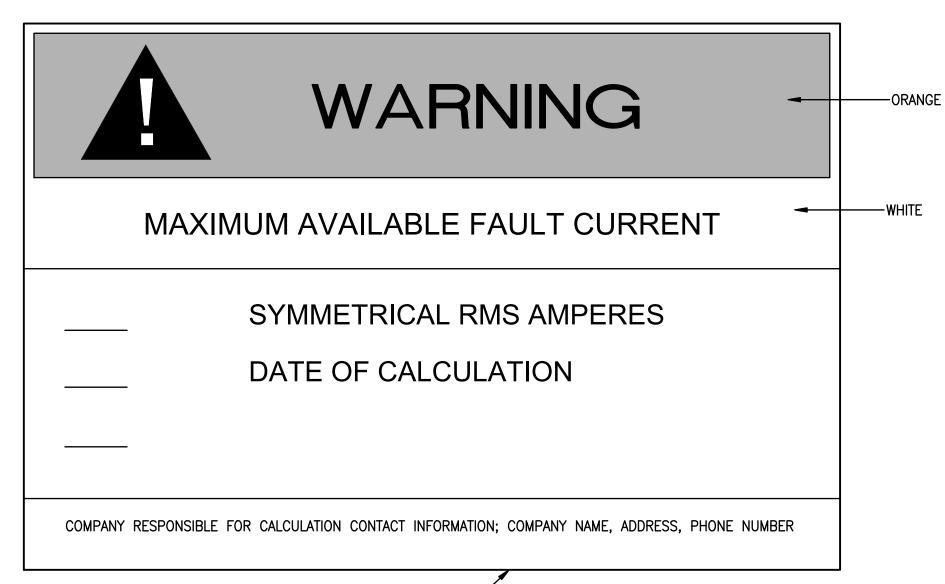
ELECTRICAL DEMOLITION NOTES

- I. CONTRACTOR SHALL COORDINATE ALL DEMOLITION WORK WITH OTHER TRADES PRIOR TO BEGINNING WORK.
- II. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST. AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- III. ITEMS SHOWN ON THE ELECTRICAL DEMOLITION PLANS ARE TO BE REMOVED UNLESS INDICATED OTHERWISE. ITEMS SHOWN DO NOT REPRESENT ALL COMPONENTS OF DEMOLITION BUT ARE FOR DEMOLITION CLARITY. WHERE AN ITEM IS BEING REMOVED AND NOT REPLACED, ITS ASSOCIATED FEEDER CONDUIT AND WIRING SHALL BE REMOVED ALSO. WHERE A DEVICE IS BEING REMOVED AND REPLACED, ITS FEEDER CONDUIT MAY BE REUSED IF APPLICABLE.
- IV. WHEN A DEVICE IS TO BE REMOVED AND ITS CONTINUING CIRCUIT FEEDS OTHER LOADS, THE CONDUCTORS SHALL BE MADE CONTINUOUS TO THE REMAINING LOADS. NO CIRCUIT CONTINUITY SHALL BE LOST.
- V. WHEN PANELBOARDS OR CABINETS ARE TO BE REMOVED, ALL FEEDERS ARE TO BE REMOVED BACK TO THE SERVING PANEL UNLESS INDICATED OTHERWISE. ALL CONDUITS STUBBED THROUGH EXISTING FLOORS SHALL BE CUT FLUSH WITH FINISHED FLOOR AND ABANDONED. ABANDONED CONDUITS SHALL HAVE A PACKING INSTALLED 6" BELOW FINISHED FLOOR AND CONDUIT SHALL BE FILLED WITH CONCRETE AND MADE FLUSH WITH FINISHED FLOOR.
- VI. IN THE EXISTING FLOOR AND WALLS TO REMAIN, FILL, PATCH, AND REPAIR HOLES AND PENETRATIONS CREATED BY EXISTING SYSTEM'S EQUIPMENT REMOVAL.

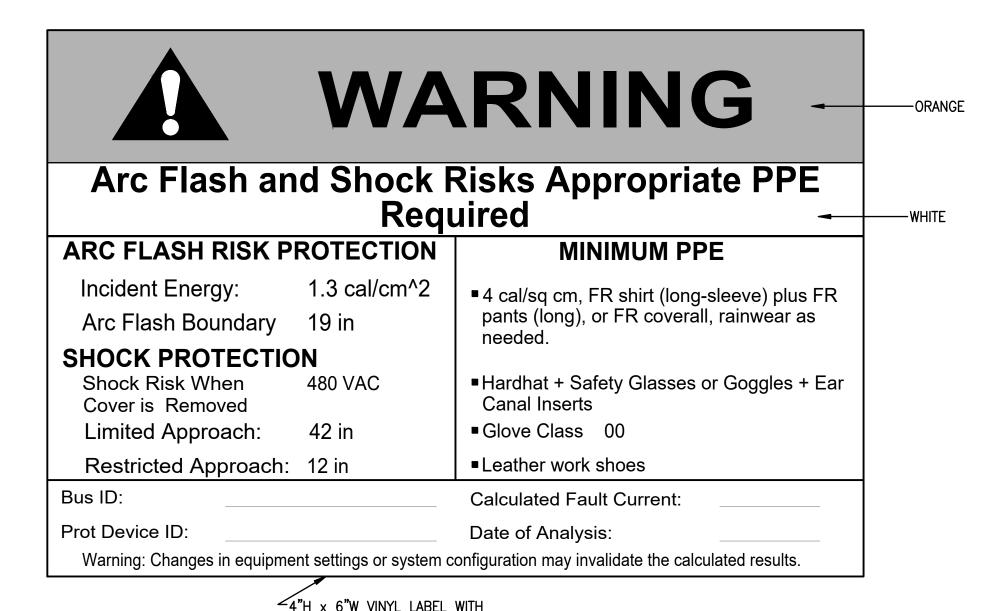
ELECTRICAL GENERAL NOTES

- A. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
- B. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
- C. PROVIDE GREEN GROUND CONDUCTOR IN ALL CIRCUITS SIZE PER N.E.C.
- D. ALL EXPOSED CONDUITS, BOXES, STRAPS AND HANGERS IN THE CONTRACT AREA WHETHER NEW OR EXISTING THAT ARE PART OF THE ELECTRICAL SYSTEM SHALL BE PAINTED TO MATCH ADJACENT FINISH.
- E. PROVIDE CONCRETE MARKER AT END OF ALL CONDUITS STUBBED OUT OF BUILDING FOR FUTURE USE. MARKER SHALL BE 6" DIA X 18" HIGH WITH 2" ABOVE FINISHED GRADE. INSCRIBE IN TOP OF MARKER "E" FOR ELECTRICAL, "T" FOR TELEPHONE, "V" FOR TV CABLE, "F" FOR FIRE ALARM, AND "IC" FOR INTERCOM.
- F. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
- G. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
- H. FINAL CONNECTION TO ALL DRY TYPE TRANSFORMERS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION
- I. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FAULT CURRENT CALCULATIONS FOR THE SERVICE EQUIPMENT AND SHALL MARK THE EQUIPMENT WITH THE AVAILABLE FAULT CURRENT AND DATE OF THE CALCULATION PER NEC 110.24. REFER TO TYPICAL SERVICE EQUIPMENT FAULT CURRENT LABEL DETAIL.
- J. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ARC FAULT LABELS PER NFPA 70E ARTICLE 110.16 FOR NEW EQUIPMENT. THE OWNER SHALL PROVIDE AVAILABLE CALCULATION DATA FOR THE EXISTING EQUIPMENT IN THE ELECTRICAL SYSTEM. REFER TO TYPICAL ARC FLASH HAZARD LABEL DETAIL.
- K. PROVIDE NEUTRAL AT ALL LINE VOLTAGE SWITCH LOCATIONS PER N.E.C. 404.2(C).





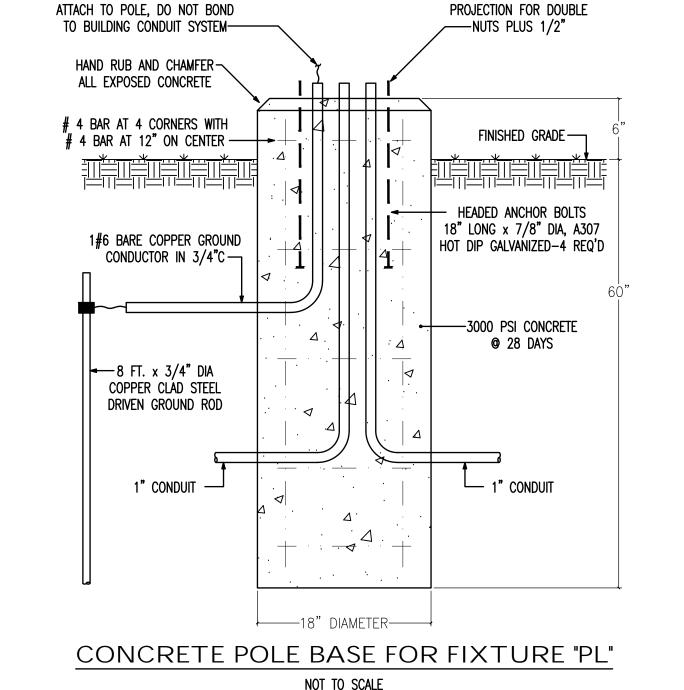




BLACK LETTERING PER ANSI Z535 STANDARDS.

TYPICAL ARC FLASH HAZARD LABEL DETAIL

NOT TO SCALE





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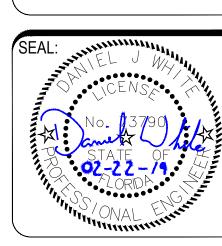
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Training Pad Lighting Upgra

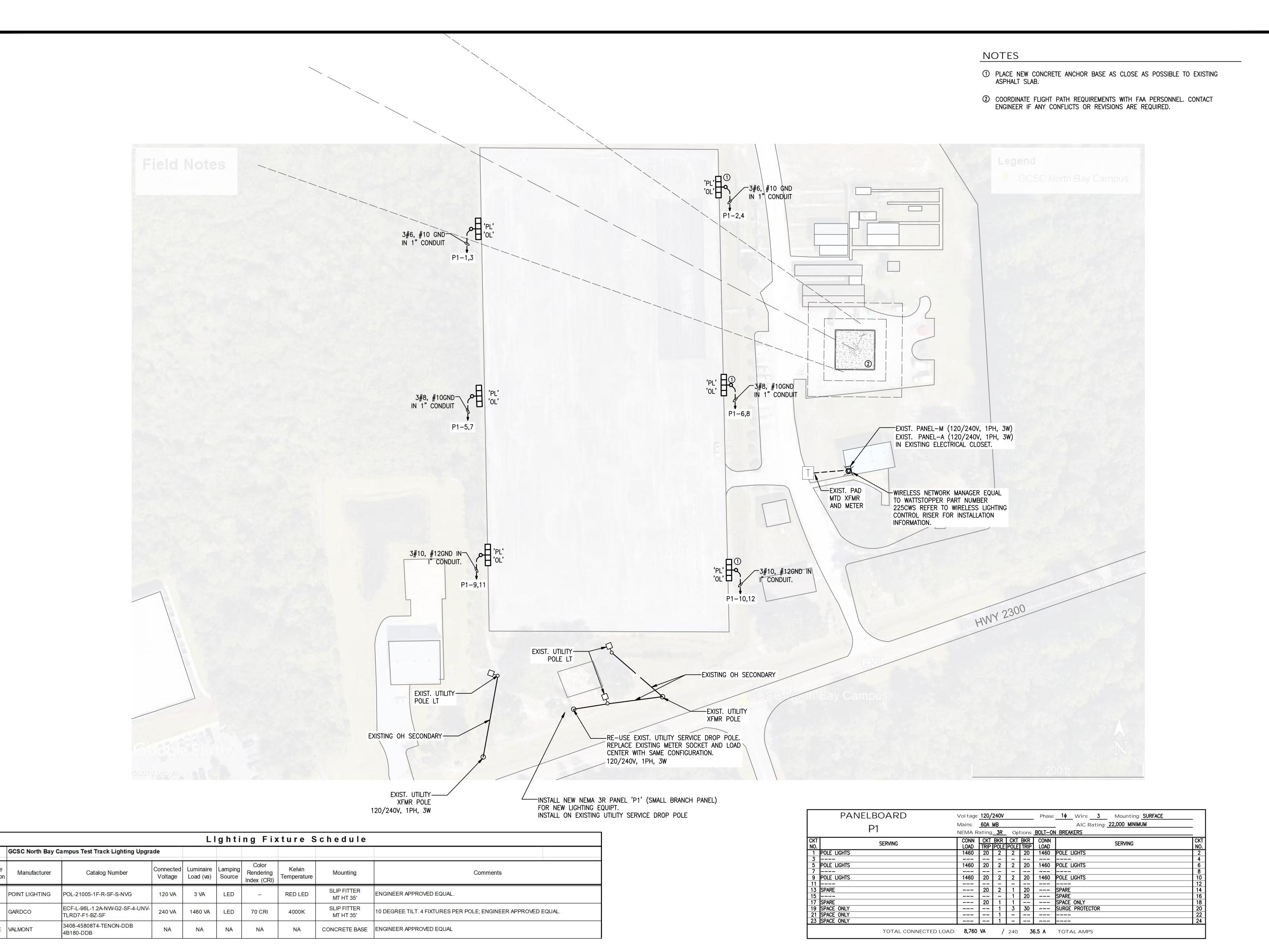


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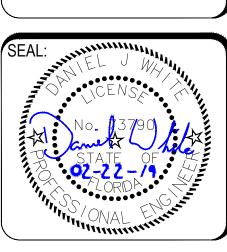
LEGEND AND NOTES

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Upg ighting $\overline{\Box}$ a



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SITE PLAN -**ELECTRICAL-**NEW WORK

Luminaire

Designation

PL POLE VALMONT

Manufacturer

POINT LIGHTING



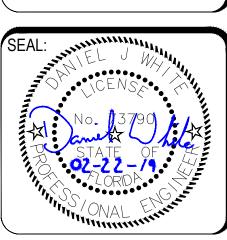
NOTES

- ① EXISTING TO REMAIN.
- ② POLE, FIXTURE AND CONCRETE BASE TO BE REMOVED.
- ③ EXISTING OH SECONDARY TO BE REMOVED.
- 4 EXISTING UG SECONDARY TO BE REMOVED BACK TO EXISTING TRANSFORMER.
- ⑤ UTILITY SERVICE POLE TO BE REMOVED.



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SITE PLAN -ELECTRICAL -DEMO

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