



1 METER RACK DETAILS
E4 NOT TO SCALE

NOTE: FOR CLARITY PURPOSES, THE FRONT ELEVATION OF THE "H" FRAME ONLY SHOWS EQUIPMENT AND CONDUIT ASSOCIATED WITH THE FRONT SIDE. SEE SHEET E4.1 FOR DETAILS ASSOCIATED WITH EQUIPMENT AND CONDUIT MOUNTED ON THE REAR SIDE OF THE "H" FRAME.

KEY NOTES - CONDUIT, CONDUCTORS, & MISC

- A GALVANIZED RIGID STEEL CAP, TYPICAL.
- B 3" GALVANIZED RIGID STEEL PIPE, TYPICAL.
- C 1 1/2" x 1 1/2" GALVANIZED STEEL CHANNEL (UNISTRUT #P1000 OR APPROVED EQUIVALENT) WITH PLASTIC END CAP (UNISTRUT #P2860), TYPICAL.
- D ONE (1) #2 AWG BARE SOLID TINNED COPPER BONDING CONDUCTORS (BC) FROM H-FRAME VERTICAL PIPE TO GROUND RING, EXOTHERMIC WELD BOTH ENDS.
- E 4" PVC CONDUIT FOR INCOMING SERVICE LATERALS FROM LOCAL UTILITY, TYPICAL OF 2.
- F 2" PVC CONDUIT FOR ROUTING FEEDERS TO THE ILC.
- G 3/4" PVC CONDUIT WITH ONE (1) - 2/0 BARE STRANDED TINNED COPPER GROUNDING ELECTRODE CONDUCTOR (GEC) FROM GROUNDING LUG TO GROUND ROD, EXOTHERMIC WELD GEC TO GROUND ROD.
- H GROUND RING (SEE "E" SHEETS).
- J GROUND ROD, EXOTHERMIC WELD TO GROUND RING. (SEE "E" SHEETS).
- K CONCRETE FOUNDATION FOR H-FRAME VERTICAL PIPE. CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 4,000 PSI, AND INCLUDE FIBERMESH 300-3E.

KEY NOTES - ELECTRICAL EQUIPMENT

- 1 200 AMP METER SOCKET IN NEMA 3R ENCLOSURE, TYPICAL OF 4. ONLY TOP SOCKET WILL RECEIVE METER UNDER THIS CONTRACT.
- 2 800 AMP, 22KVAIC, 4 GANG, SERVICE ENTRANCE RATED METER CENTER IN NEMA 3R ENCLOSURE, BOND TO RACK PER NEC.
- 3 200 AMP, 2 POLE (22KVAIC) DISCONNECT CIRCUIT BREAKER FOR TOP METER ONLY. CONTRACTOR SHALL MOUNT THE METER CENTER SUCH THAT THE TOP CIRCUIT BREAKER IS NO MORE THAN 6" ABOVE GRADE.

This document, together with the concepts and designs presented herein, is an instrument of service. It is intended only for the specific project and shall for which it was prepared. Issues of cost and proper reliance on this document shall without understanding and adaptation by designee and Associates, Inc. and be without liability to designee and Associates, Inc.

verizon
1000 420 ALUMINUM DATA CONNECTOR
ADVERTISING, 48001 192E

PROJECT INFORMATION:
SITE NAME: OLD STATE ROAD
SITE NO.: 502581
FLUZE PROJECT#: 15925785
6000 HOPE CIRCLE
NAPLES, FL 34104
LONDES COUNTY
PLANS PREPARED BY:

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NEW DATE: ISSUED FOR: BY:

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0	05/16/20 CONSTRUCTION COH
A	05/12/20 PRELIMINARY COH

LICENSER:

ENGINEER
No. PENNSYLVANIA PROFESSIONAL
CORBIN C HARRIS
1/1/20

KHA PROJECT NUMBER: 013509094
DRAWN BY: WCE
CHECKED BY: WCE
TDM
SHEET TITLE: METER RACK DETAILS

SHEET NUMBER: E4