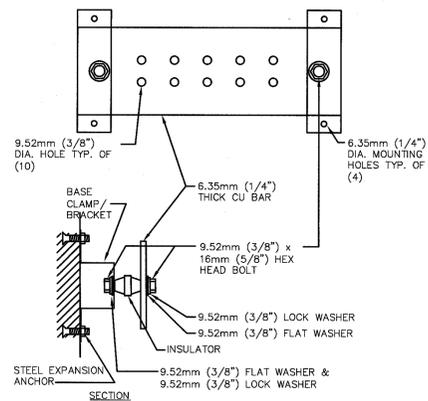


GENERAL SYSTEMS PLAN NOTES

- A. REFER TO E-001 FOR ELECTRICAL LEGEND, GENERAL NOTES, AND ABBREVIATIONS.
- B. REFER TO SHEET ES102 FOR LOCATION OF EXTERIOR MOUNTED TRANSFORMER.

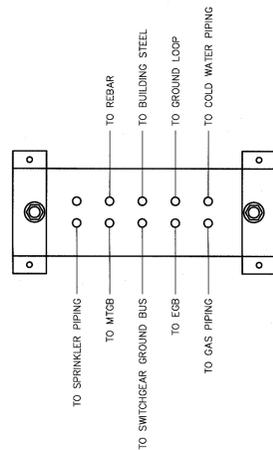


GENERAL NOTES:

1. ALL HARDWARE SHALL BE STAINLESS STEEL.
2. PROVIDE 1 MOUNTING POINT PER 305mm (12\") OF BAR LENGTH.
3. HOLES MAY BE ADDED IF REQUIRED.

D1 GROUNDING BAR DETAIL

NTS



NOTES

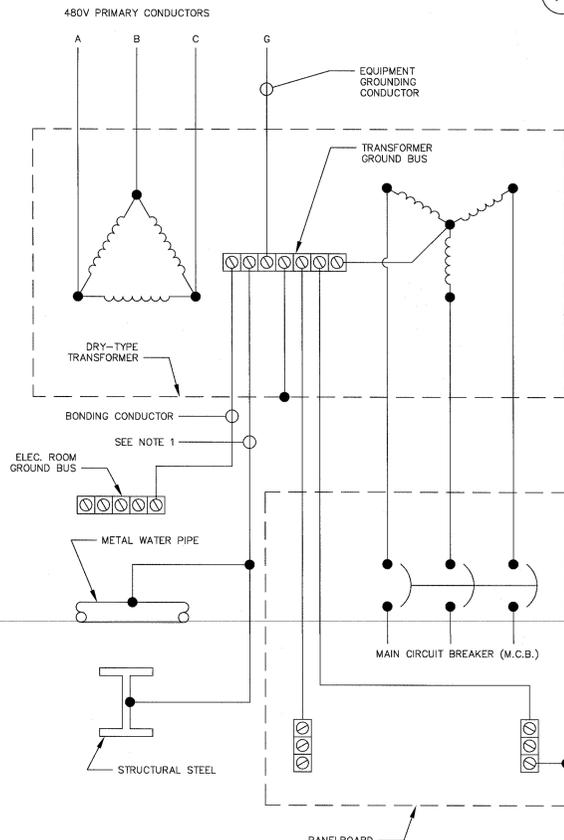
- A. ALL GROUNDING CONNECTIONS SHALL BE IN CONFORMANCE WITH NEC 250
- B. PROVIDE QUANTITY OF PREDRILLED STANDARD NEMA BOLT HOLES SIZED AND SPACED AS REQUIRED FOR ALL REQUIRED CONNECTIONS
- C. FOR ALL ADDITIONAL CONNECTION REQUIREMENTS REFER TO SPEC SECTION 260526

F1 MAIN ELECTRICAL GROUND BUS CONNECTIONS

NTS

TRANSFORMER SCHEDULE									
ITEM	KVA	PHASE	WIRE	TYPE	NEMA	MOUNTING	PRIMARY	SECONDARY	GROUND
T-GS	30	3	4	DRY	3R	PAD MOUNT	12,470	120-208	1#8
T-LVP	30	3	4	DRY	3R	PAD MOUNT	480	120-208	1#8

NOTES:
1. IMPEDANCE VALUES FOR TRANSFORMERS SHALL BE 4.5%

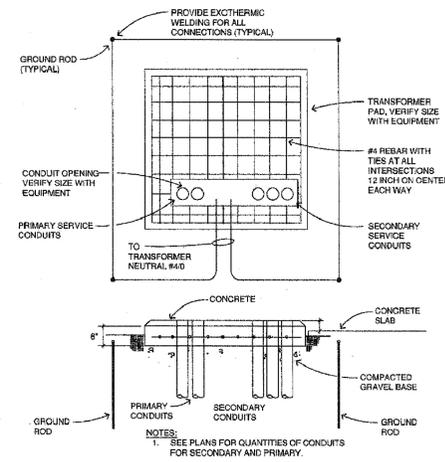


NOTES

1. SEPARATELY DERIVED AC SYSTEM GROUNDING ELECTRODE CONDUCTOR IN CONDUIT, SIZED IN ACCORDANCE WITH N.E.C. ARTICLE 250. BOND TO ALL GROUNDING ELECTRODES (ELECTRICAL GROUND BUS, METAL WATER PIPE, STRUCTURAL STEEL,) IN AREA.
2. ALL GROUNDED CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH FEEDER SCHEDULE FOR THE DERIVED PHASE CONDUCTORS

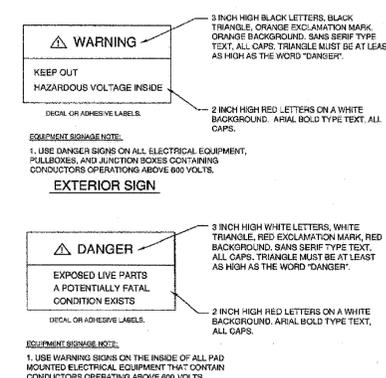
D2 TYPICAL 480V-208Y/120 DRY TYPE TRANSFORMER GROUNDING DETAIL

NTS



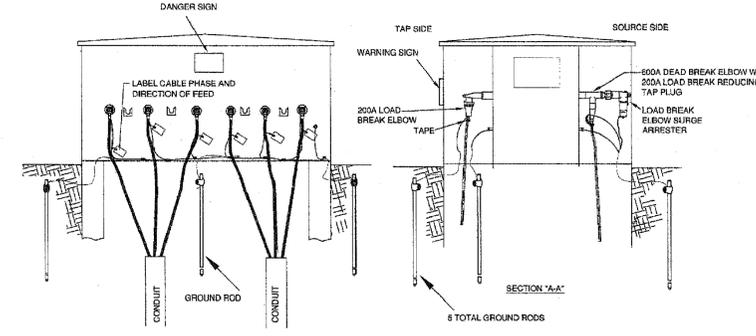
E2 PAD MOUNTED TRANSFORMER GROUNDING DETAIL

NO SCALE



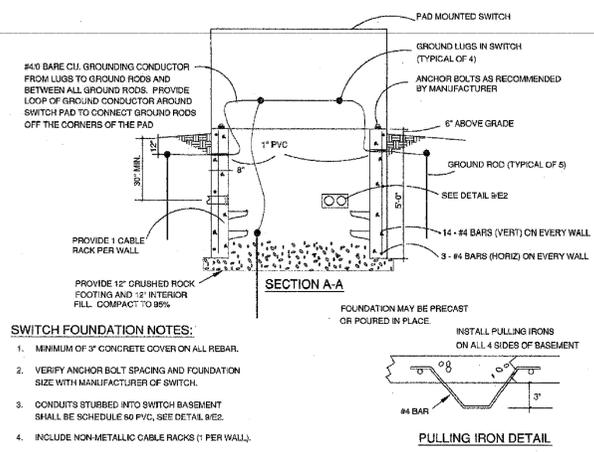
E4 TRANSFORMER SIGNAGE DETAIL

NO SCALE



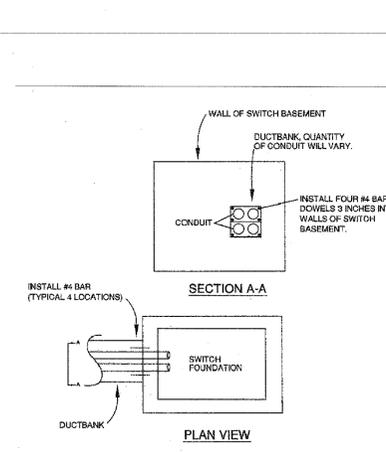
E6 PAD MOUNTED SWITCH DETAIL

NO SCALE



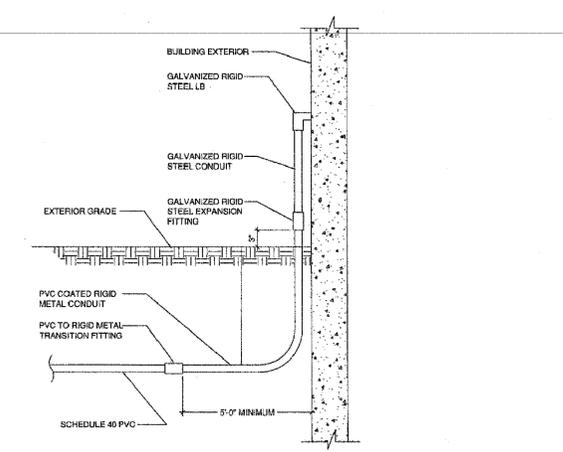
F3 SWITCH FOUNDATION DETAIL

NO SCALE



F6 CONDUIT STUB DETAIL

NO SCALE



F7 EXTERIOR BRANCH CIRCUIT CONDUIT BUILDING ENTRANCE DETAIL

NO SCALE

<p>CONSULTANTS:</p>		<p>ARCHITECT/ENGINEERS:</p> <p>paradigm</p> <p>Architecture Engineering Design-Build</p> <p>200 Envoy Circle #201, Louisville KY 40299 - PH: 502.339.8511 - www.paradigmusa.com</p>		<p>Drawing Title</p> <p>TRANSFORMER DETAILS</p> <p>Approved Project Director</p>		<p>Project Title</p> <p>IMPROVE CAMPUS ACCESS AND SECURITY</p> <p>Location DAYTON VA MEDICAL CENTER 400 W. THIRD STREET, DAYTON, OH 45428-9000</p> <p>Date 04-07-2017 Checked WLM Drawn MMF</p>		<p>Project Number</p> <p>552-16-101</p> <p>Building Number</p> <p>-</p> <p>Drawing Number</p> <p>EP501</p>		<p>BID DOCUMENTS FOR CONSTRUCTION</p> <p>Office of Construction and Facilities Management</p> <p>Department of Veterans Affairs</p>	
Revisions:	Date										