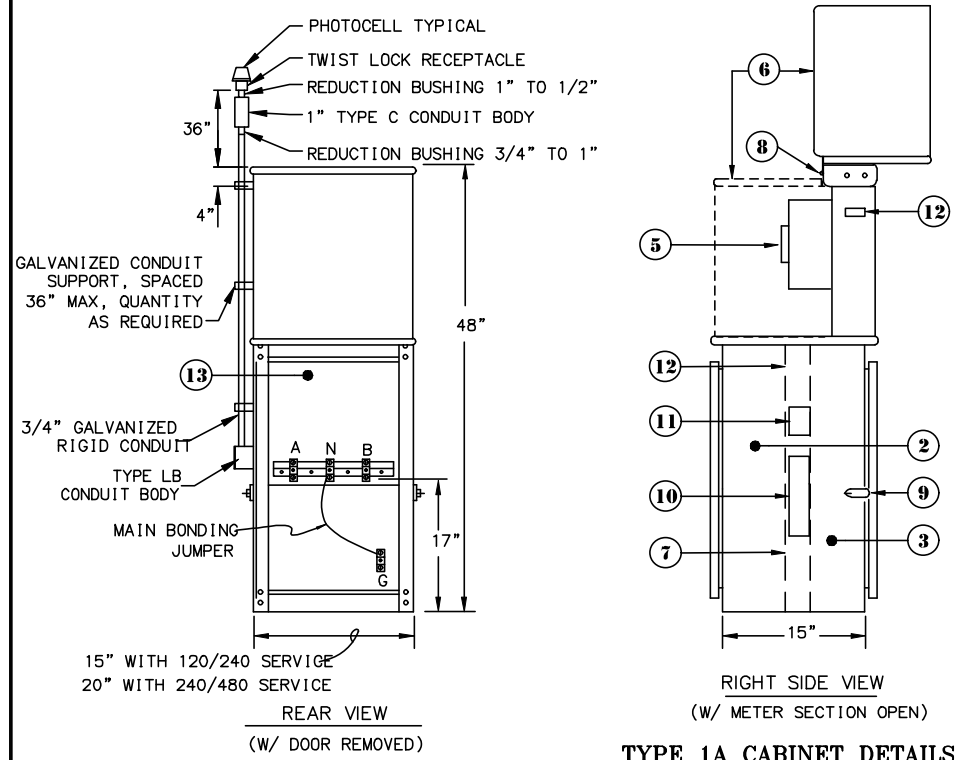


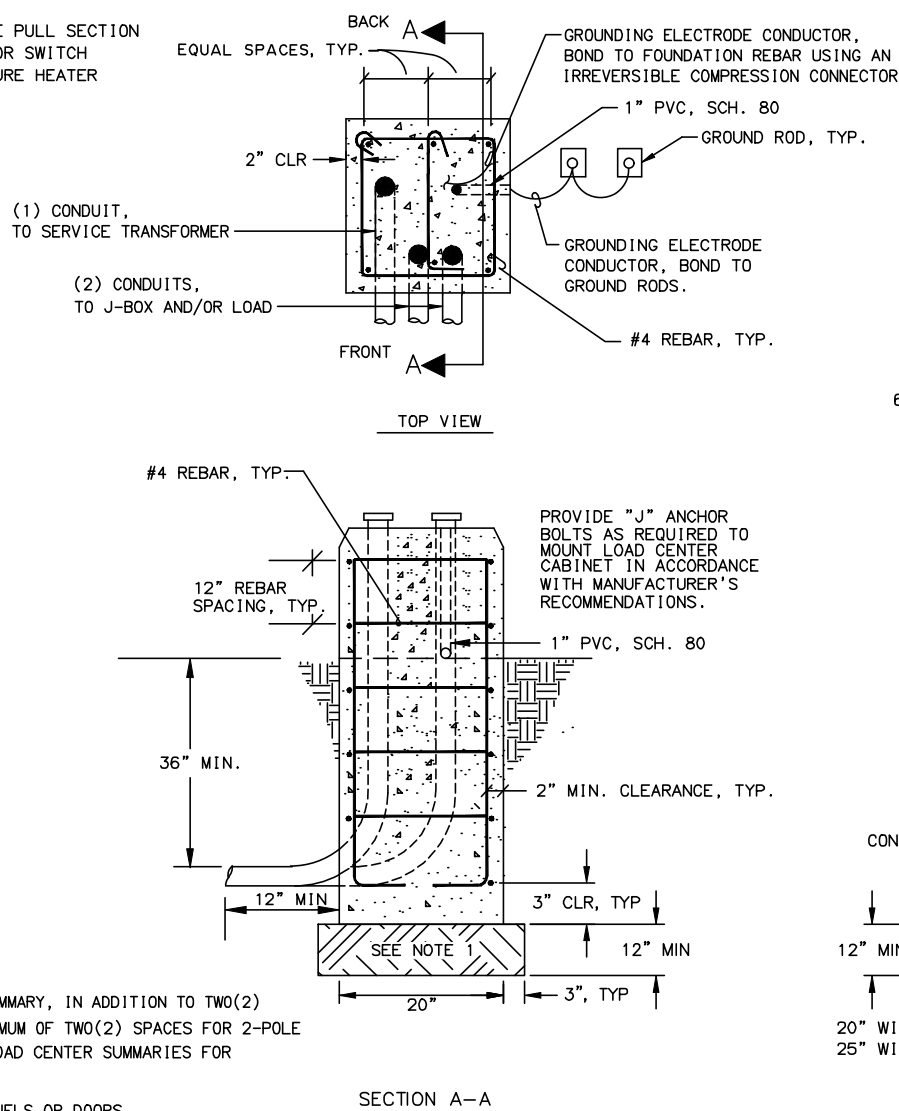
EQUIPMENT LEGEND/DESCRIPTION

- | | | | |
|--|--|---|--------------------------|
| 1. METERING SECTION | 5. METER SOCKET W/BYPASS & SAFETY SOCKET | 10. DISTRIBUTION PANEL | 13. SERVICE PULL SECTION |
| 2. LOAD SECTION | 6. LIFT AWAY METER SECTION COVER | 11. MAIN CIRCUIT BREAKER | 14. SELECTOR SWITCH |
| 3. UTILITY CONNECTION AND TEST BLOCK SECTION | 7. DEADFRONT | 12. ACCESSORY EQUIPMENT MOUNTING AREA FOR CONTACTOR, SELECTOR SWITCHES, TERMINAL STRIPS, AND SO ON. | 15. ENCLOSURE HEATER |
| 4. METER READING WINDOW (8"X8") | 8. STAINLESS STEEL PIN HINGE | | |
| | 9. PADLOCKING PROVISIONS | | |



WIRING NOTES:

- FURNISH ALL EQUIPMENT NOTED IN THE LOAD CENTER SUMMARY, IN ADDITION TO TWO(2) 20-AMP, 2-POLE SPARE CIRCUIT BREAKERS, AND A MINIMUM OF TWO(2) SPACES FOR 2-POLE CIRCUIT BREAKERS IN EACH LOAD PANEL. SEE THE LOAD CENTER SUMMARIES FOR ADDITIONAL INFORMATION.
- METER BASES SHALL NOT BE MOUNTED ON MOVABLE PANELS OR DOORS.
- MAIN CIRCUIT BREAKER SHALL BE INDIVIDUALLY MOUNTED ABOVE DISTRIBUTION PANEL BUS.
- LABEL ALL CIRCUIT BREAKERS AS TO FUNCTION AND POSITION. LABEL THE SELECTOR SWITCH "LIGHTING" AND ITS POSITIONS "ON-OFF-AUTO".
- STORE A SCHEMATIC DIAGRAM, A CIRCUIT DIRECTORY, AND A MATERIALS LIST THAT INCLUDES THE MANUFACTURER'S NAME AND PART/CATALOG NUMBERS, ALL LAMINATED IN PLASTIC, IN A METAL POCKET ATTACHED TO THE INSIDE OF THE LOAD CENTER. INSTALL THE POCKET ON THE LOAD CENTER DOOR, PROVIDING DRAIN HOLES TO PREVENT WATER ACCUMULATION.
- INSTALL PHOTOCELL TO AVOID HINGED COVER IN ALL POSITIONS AND ORIENT FACING NORTH SKY AND/OR AWAY FROM ARTIFICIAL LIGHT SOURCES THAT MAY INTERFERE WITH CONTROL. IF PLANS CALL TO MOUNT PHOTOCELL AWAY FROM LOAD CENTER, USE 5C#14 CABLE FROM LOAD CENTER TO PHOTOCELL TWIST LOCK RECEPTACLE.
- SEE DESIGN PLANS AND LOAD CENTER SUMMARIES FOR ADDITIONAL INFORMATION INCLUDING EQUIPMENT LOCATIONS, CONDUIT AND CONDUIT REQUIREMENTS. INSTALL PULL LINE IN SERVICE LATERAL AND CAP BOTH ENDS OF CONDUIT. COORDINATE WITH LOCAL ELECTRICAL UTILITY PROVIDER FOR SERVICE REQUIREMENTS.
- CONDUITS SHALL BE ATTACHED TO LOAD CENTER ENCLOSURE USING A LISTED, GROUNDING TYPE, THREADED CONDUIT HUB.
- PROVIDE ARC-FLASH HAZARD WARNING LABEL COMPLYING WITH NFPA 70E ON THE ENCLOSURE EXTERIOR.
- PROVIDE ENCLOSURE HEATER WHEN INDICATED IN PLANS. INSTALL ENCLOSURE HEATER IN SPACE CONTAINING PANELBOARD BUSSING AND LIGHTING CONTACTORS. HEATER TO BE THERMOSTATICALLY CONTROLLED AND HEAT OUTPUT TO BE SIZED ACCORDING TO COMPARTMENT DIMENSIONS. POWER FROM DEDICATED CIRCUIT AND SIZE CIRCUIT BREAKER TO MANUFACTURER'S RECOMMENDATION.
- WHEN METAL HALIDE OR MERCURY VAPOR LAMPED FIXTURES ARE USED, PROVIDE A REMOTE BULB THERMOSTAT, SO THAT THE CONTACT CLOSES AND THE LIGHTS TURN ON WHEN THE TEMPERATURE DROPS TO 15° FAHRENHEIT. WIRE THERMOSTAT SO THAT ITS CONTACT IS PARALLEL THE CONTACT IN THE PHOTOELECTRIC CELL.

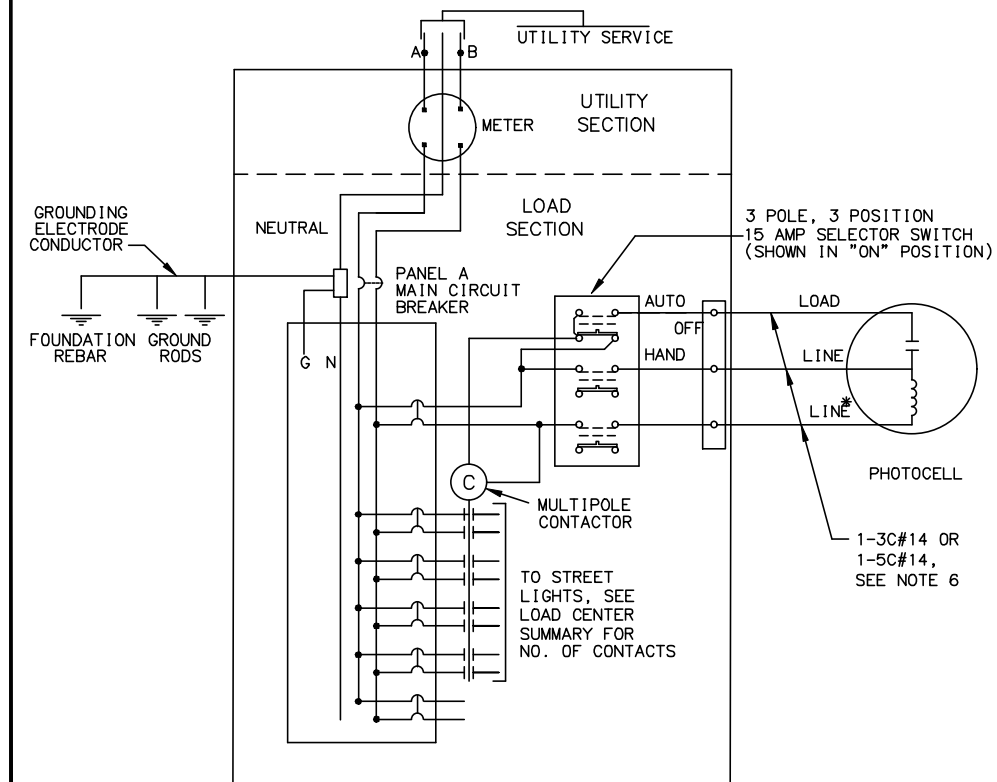


TYPE 1A LOAD CENTER BASE DETAILS

GENERAL NOTES:

- SEE ALASKA DOT&PF STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND STANDARD PLAN DEVELOPMENT REPORT (SPDR) FOR ADDITIONAL REQUIREMENTS.
- CONSTRUCT BASE USING GRADE 60 REINFORCING STEEL CONFORMING TO ASTM A615 AND CLASS A CONCRETE CONFORMING TO SECTION 501 OF THE SPECIFICATIONS.
- IF THE BASE IS PRECAST, INSTALL TWO 3/4" FERRULE LOOP INSERTS IN TWO SIDES OPPOSITE ONE ANOTHER FOR LIFTING.
- ALL BASE REBAR TO BE BONDED TOGETHER TO BE ELECTRICALLY CONTINUOUS.
- PROVIDE ANCHOR BOLTS OR EXPANSION ANCHORS IN THE BASE FOR MOUNTING THE CABINET PER THE MANUFACTURER'S SHOP DRAWINGS. ANCHOR BOLTS, NUTS, AND WASHERS SHALL CONFORM TO EITHER ASTM OR A449 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153. A307 CLEARANCE BETWEEN EDGE OF ANCHOR AND BEGINNING OF CHAMFERED EDGE TO BE A MINIMUM OF 2".
- GRADE AWAY FROM THE BASE WITH A MINIMUM SLOPE OF 3%. USE A PRE-MOULDED BITUMINOUS JOINT BETWEEN THE BASE AND CONCRETE SIDEWALK OR PAVING, WHEN ADJACENT TO A SIDEWALK OR PATHWAY.

LOAD CENTER BASE NOTES:



LOAD CENTER ONE LINE DIAGRAM AND SELECTOR SWITCH WIRING

* GROUNDING NEUTRAL, IF SERVICE IS 240/480 VOLT SINGLE PHASE OR 277/480 VOLT THREE-PHASE; AND UNGROUNDING LINE, IF SERVICE IS 120/240 VOLT SINGLE PHASE.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

TYPE 1A LOAD CENTER

Adopted as an Alaska Standard Plan by: *Carolyn Morehouse*
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review By: CNH Date: 7/8/2020

Next Code and Standards Review date: 7/8/2030