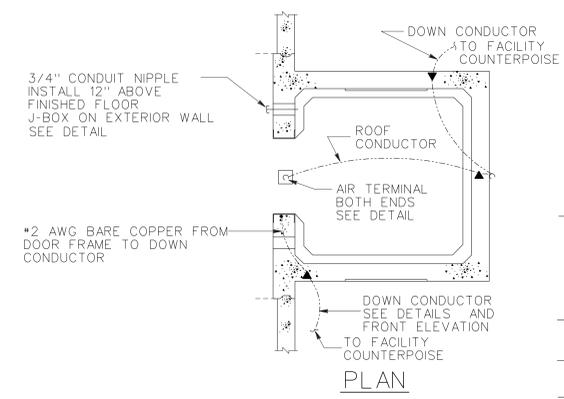
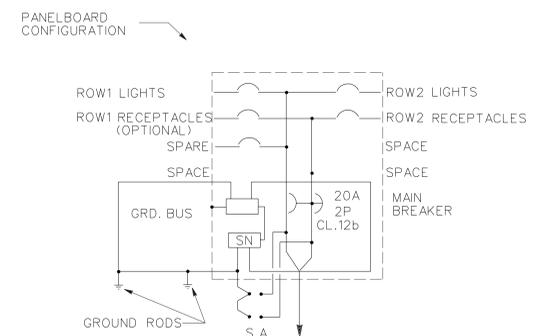


SITING PLAN FRONT TO BACK

SITING PLAN BACK TO BACK



PLAN



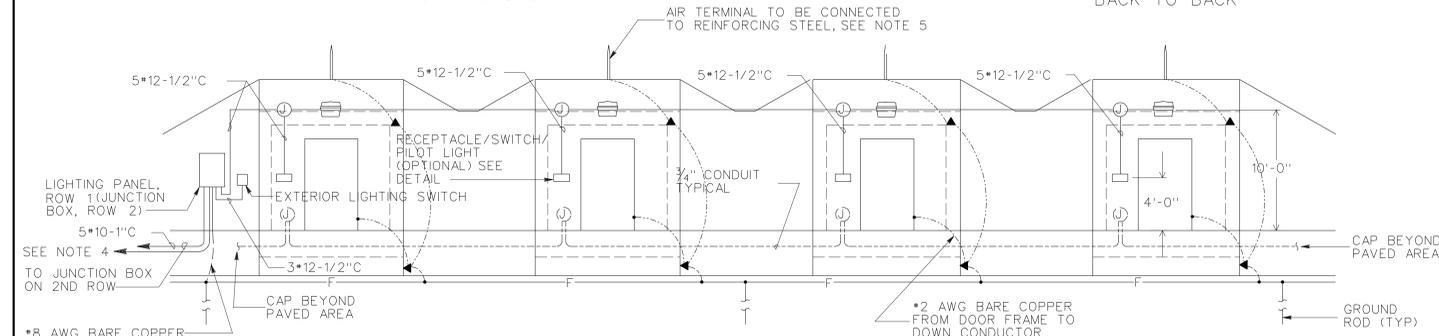
LIGHTING PANELBOARD SCHEMATIC

120/240V, -10/-3W WITH GROUND BUS, SURFACE MOUNTED IN WEATHERPROOF ENCLOSURE WITH 100A MAINS, ALL C/B'S RATED 20A-1P CL 12A EXCEPT AS NOTED OTHERWISE. SOLID NEUTRAL BUS SHALL BE CONNECTED TO THE GROUND BUS ONLY IN THE PANELBOARD BOND PANELBOARD ENCLOSURE TO GROUND BUS.

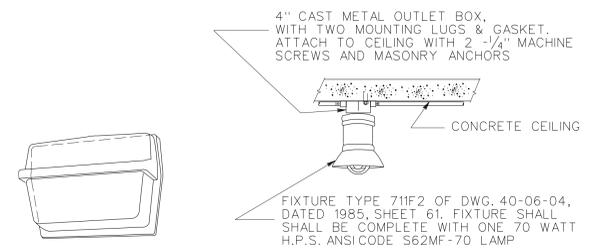
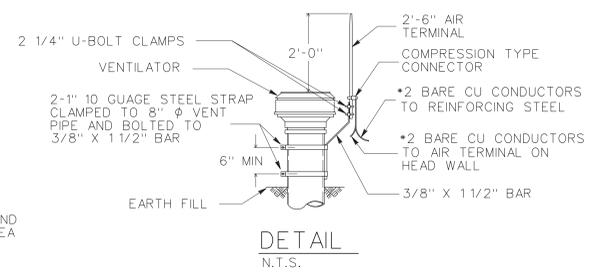
- WALL MOUNTED EXTERIOR LIGHTING FIXTURE.
- CEILING MOUNTED LIGHTING FIXTURE.
- ▲ GROUNDING CONNECTION OF DOWN AND ROOF CONDUCTOR TO REINFORCING BARS (SEE NOTE 5).
- ⊙ JUNCTION BOX, CAST METAL WITH THREADED WALLS OR HUBS.
- CONDUIT RUN CONCEALED BELOW GRADE OR FLOOR SLAB. NOTE: ANY CONDUIT RUN NOT OTHERWISE INDICATED SHALL BE 1/2" AND CONTAIN THREE NO. 12 AWG. WIRES.
- CONDUIT RUN INSTALLED EXPOSED ON WALLS OR CEILING. WIRING SHALL BE SAME AS IN NOTE FOR CONCEALED CONDUIT RUN.
- AUXILIARY EMPTY CONDUIT RUN CONCEALED BELOW GRADE OR FLOOR SLAB AS INDICATED.
- CONDUIT TERMINATED WITH A PLUGGED COUPLING.
- VALVE TYPE SECONDARY SURGE ARRESTER(S.A.)
- LIGHTNING AIR TERMINAL. EXTEND 2'-0" ABOVE PROTECTED OBJECT.
- GROUND ROD
- FACILITY COUNTERPOISE SYSTEM, NO. 1/0 AWG. BARE COPPER WIRE.
- DOWN CONDUCTOR FROM AIR TERMINAL, NO. 2 AWG. BARE COPPER WIRE.
- EXOTHERMIC WELD CONNECTIONS.

NOTES

1. HOLES SHALL NOT BE MADE IN CONCRETE ROOF SLAB FOR INSTALLATION OF ELECTRICAL WORK.
2. THE CONDUIT SYSTEM ON THE FRONT OF STRUCTURE IS TO HAVE SUPPORTS SPACED NOT MORE THAN 8'-0". SUPPORTS ON EACH SIDE OF CONSTRUCTION JOINTS SHALL NOT EXCEED 5'-0".
3. NOT USED
4. FOR THE 120/240V, SINGLE PHASE, 3-WIRE SERVICE, INSTALL A 1-1/2" EMPTY CONDUIT 2'-0" BELOW FINISHED GRADE AND TERMINATE WITH A PLUGGED COUPLING NOT LESS THAN 5'-0" BEYOND PAVED AREA.
5. ALL CONNECTIONS TO BE EXOTHERMICALLY WELDED. CONNECTIONS SHALL NOT BE CONCEALED UNTIL AUTHORIZED BY THE CONTRACTING OFFICER.

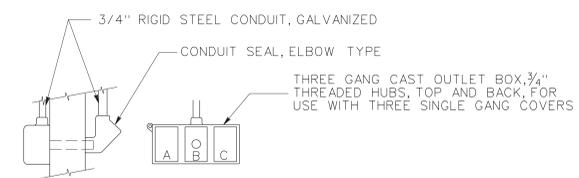


FRONT ELEVATION



FIXTURE TYPE 501 STYLE A 70 WATT HIGH PRESSURE SODIUM LAMP US ARMY CORPS OF ENGINEER STANDARD DRAWING NO. 40-06-04 SHEET 45 DATED 1985

*8 AWG BARE COPPER GROUND CONDUCTOR FROM PANELBOARD GROUND BUS TO FACILITY COUNTERPOISE (ROW 1), BOND GROUND CONDUCTOR TO END OF CONDUIT.

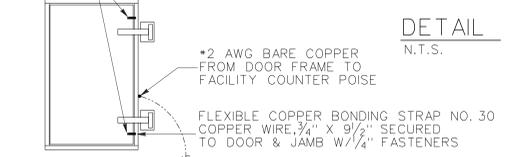
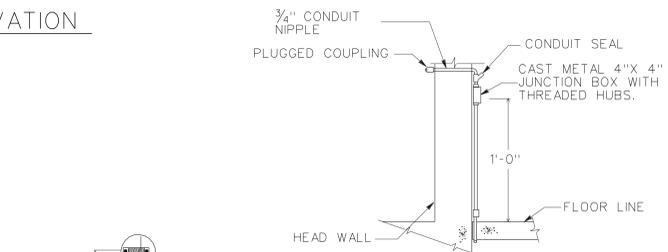


"A" SECTION CONTAINS A GROUNDING TYPE DUPLEX RECEPTACLE EQUIPPED WITH GROUND FAULT CIRCUIT INTERRUPTION CAPABILITY TO TRIP WHEN A GROUND FAULT EXCEEDS 20 MILLIAMPERES. RECEPTACLE SHALL BE SPECIFICATION GRADE 20 AMPS, 125 VOLTS OR AS REQUIRED FOR SPECIAL USE. COVER SHALL BE FULLY GASKETED, SPRING LOADED WITH ACCESS TO RESET GROUND FAULT TRIP.

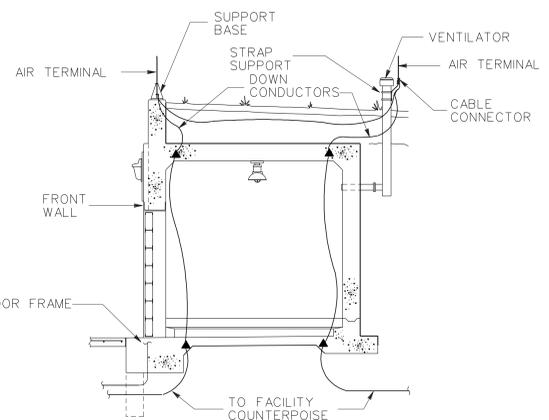
"B" SECTION CONTAINS A PILOT LIGHT, 6 WATT CANDELABRA BASE, 120 VOLTS WITH RED JEWEL IN A FULLY GASKETED COVER. WIRE TO SWITCH TO INDICATE "LIGHTS-ON"

"C" SECTION CONTAINS A SINGLE POLE, SINGLE THROW, 20 AMP, 120 VOLT A.C. SPECIFICATION GRADE SWITCH FOR INTERIOR LIGHT. COVER SHALL BE FULLY GASKETED, SPRING LOADED.

INTERIOR LIGHT AND RECEPTACLE WIRING DETAIL (OPTIONAL) NOT TO SCALE



DOOR ELEVATION NOT TO SCALE



Symbol	Description	Date	Approved

US ARMY ENGINEER DIVISION HUNTSVILLE CORPS OF ENGINEERS HUNTSVILLE, ALABAMA			
Site adapt A/E :	MAGAZINE, CONCRETE, CUBICLE EARTH - COVERED		
ELECTRICAL LIGHTING, POWER & LIGHTNING PROTECTION PLAN			
Dwn. by :	Ckd. by :	Date :	Design file no. :
Reviewed by :	Date :	Sheet reference number :	Rev. :
Approved by :	Drawing code :	10	Sheet of