

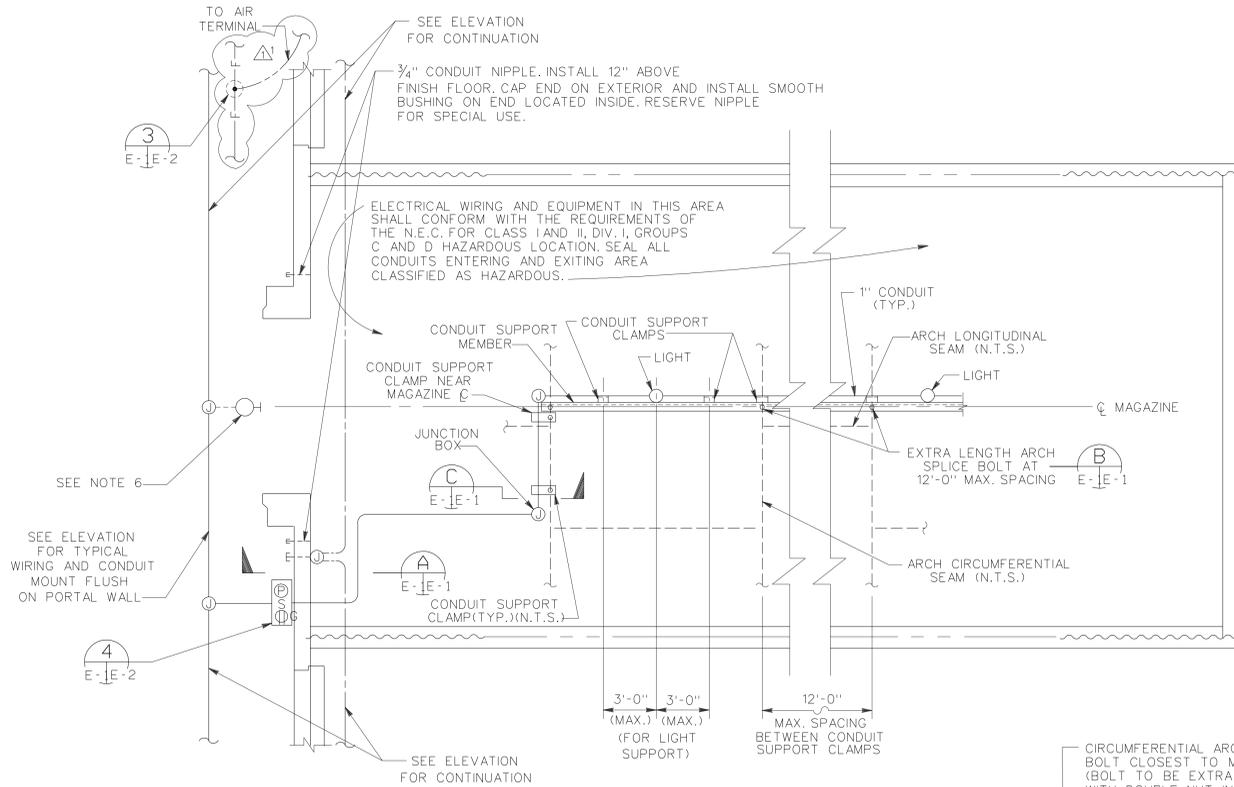
LEGEND (FOR SHEETS E-1 AND E-2)

- WALL MOUNTED EXTERIOR LIGHTING FIXTURE. SEE NOTE 6.
- CEILING MOUNTED LIGHTING FIXTURE. SEE DETAIL E-1E-2
- ⊕ 3-GANG OUTLET BOX WITH SINGLE GANG COVER FOR PILOT LAMP, SINGLE POLE SWITCH AND DUPLEX CONVENIENCE OUTLET WITH GROUND FAULT INTERRUPTER ALL SUITABLE FOR USE OUTDOORS.
- ⊕ 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. A GREATER NUMBER OF WIRES ARE SHOWN WITH CROSS LINES AS FOLLOWS:
  - ⊕⊕⊕ GROUND CONDUCTOR
- THE LONG CROSS LINE INDICATES THE IDENTIFIED GROUNDED NEUTRAL CONDUCTOR AND THE SHORT CROSS LINES INDICATES THE PHASE CONDUCTORS. UNLESS OTHERWISE INDICATED, ALL CONDUCTORS ARE NO. 12 AWG
- 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 SIZED AS INDICATED.
- ⊕ CONDUIT TERMINATED WITH A PLUGGED COUPLING.
- VALVE TYPE SECONDARY SURGE ARRESTER (L.A.)
- ⊕ LIGHTNING AIR TERMINAL. EXTEND 4'-0" ABOVE PROTECTED OBJECT.
- GROUND ROD
- F— FACILITY COUNTERPOISE SYSTEM, NO. 1/0 AWG. BARE COPPER WIRE. RUN 2'-6" BELOW GRADE.
- DOWN CONDUCTOR FROM AIR TERMINAL, NO. 2 AWG. BARE COPPER WIRE.
- UNLESS OTHERWISE INDICATED, THE PARENTHETIC METRIC DIMENSIONS SHOWN ARE IN CENTIMETERS AND ARE MINIMUM ACCEPTABLE.

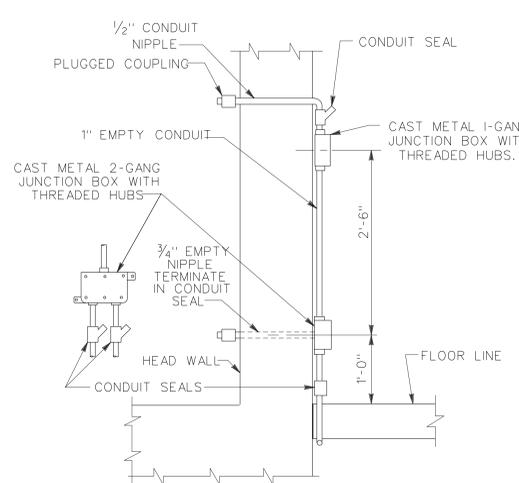
NOTES: (FOR SHEETS E-1 AND E-2)

1. HOLES SHALL NOT BE MADE IN CONCRETE ARCH ROOFING 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. RUNNING THREAD COUPLING CONNECTIONS ARE NOT PERMITTED FOR THE RIGID CONDUIT SYSTEMS.
4. FOR THE 120/240 VOLT, SINGLE PHASE, 3-WIRE SERVICE, INSTALL A 1/2" EMPTY CONDUIT 2'-0" BELOW FINISHED GRADE AND TERMINATE WITH A PLUGGED COUPLING NOT LESS THAN 5'-0" BEYOND PAVED AREA.
5. FOR THE INSTALLATION BY OTHERS OF A TELEPHONE TYPE CABLE, INSTALL 2 1/2" CONDUITS WITH PULL WIRE, 2'-0" BELOW FINISHED GRADE AND TERMINATE WITH A PLUGGED COUPLING NOT LESS THAN 5'-0" BEYOND PAVED AREA.
6. THE LIGHTING FIXTURE SHOULD BE HIGH PRESSURE SODIUM TYPE. ALL EXTERIOR LIGHTS SHALL BE CONNECTED ON THE SAME CIRCUIT TO FACILITATE CONTROL AT THE PANELBOARD. HOWEVER, NOT MORE THAN EIGHT FIXTURES SHALL BE CONNECTED TO ANY ONE 20 AMP CIRCUIT.
7. THE NUMBER OF INTERIOR LIGHTING FIXTURES VARIES, DEPENDING ON INTERNAL LENGTH OF MAGAZINE, AS FOLLOWS:
 

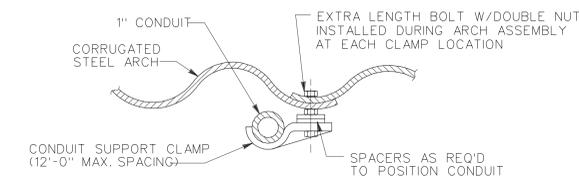
| LENGTH OF MAGAZINE | NO. OF FIXTURES |
|--------------------|-----------------|
| 20'-24'            | 4               |
| 25'-36'            | 4               |
| 37'-48'            | 4               |
| 49'-60'            | 6               |
| 61'-89'            | 8               |
8. INSTALL AN INTERMEDIATE AIR TERMINAL ANCHORED TO STRUCTURE ROOF OVER STRUCTURE WHERE INTERIOR LENGTH OF MAGAZINE EXCEEDS 48 FEET (SEE SHEET 10 OF 10).



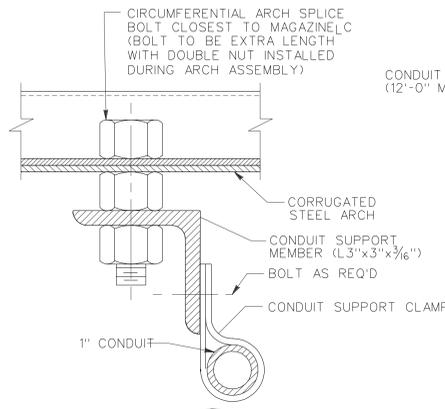
PLAN SCALE: 1/4"=1'-0"



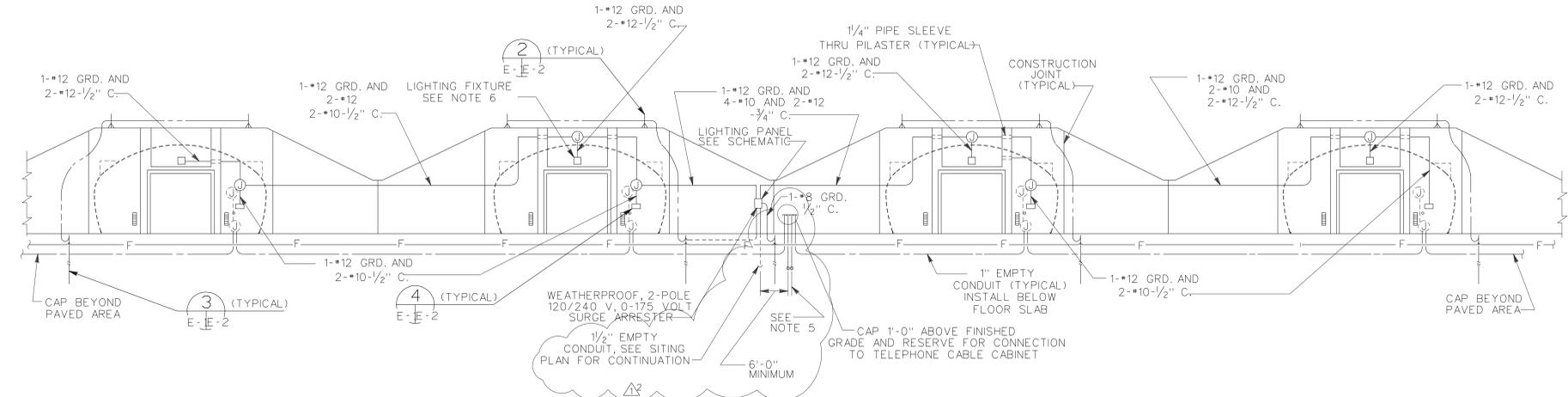
SECTION A SCALE 1"=1'-0" E-1E-1



SECTION B NOT TO SCALE E-1E-1



SECTION C NOT TO SCALE E-1E-1



ELEVATION NOT TO SCALE

GRAPHIC SCALE



|  |                             |                        |                             |
|--|-----------------------------|------------------------|-----------------------------|
| GENERAL REVISION/LIGHTNING PROTECTION  |                             | 11JUN98                | WLS                         |
| Symbol   | Description                 | Date                   | Approved                    |
| Revisions  |                             |                        |                             |
| U.S. ARMY ENGINEER DIVISION, HUNTSVILLE CORPS OF ENGINEERS HUNTSVILLE, ALABAMA |                             |                        |                             |
| Site adapt A/E :   |                             |                        |                             |
| MAGAZINE, STEEL OVAL-ARCH, EARTH COVERED                                       |                             |                        |                             |
| ELECTRICAL PLAN AND SECTIONS   |                             |                        |                             |
| Dwn. by: RDP   | Ckd. by: FH                 | Date: 30 OCT 92        | Sheet reference number: E-1 |
| Reviewed by:   | Drawing code: STD 421-80-03 | Design file no.: 65863 | Rev.:                       |
| Approved by:   |                             | Sheet 9 of 10          |                             |