FOUNDATION / SLAB PLAN

SHEET NO.: 2

DRAWING REVISION: 25 AUGUST 2020

SIGNATURES

RICHARD L. STEPHENS, P.E.
DPS

DATE:
09/14/22

TYPE C BOX MAGAZINE

DRAWING NO.:
NAVFAC DRAWING NO.
DES
DRW

SYM
DESCRIPTION
DATE
APPR

CHECKED BY:
OF

EPROJECT NO.:
PM/DM
BRANCH MANAGER
CHIEF ENG/ARCH

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND
DESIGN AND CONSTRUCTION
LRA-NORFOLK, VA

NOTES:

1. INITIAL ELEVATIONS SHOWN AS TOP OF TRENCH WALL AND TOP OF TRENCH COVER. FOR ACTUAL ELEVATION SEE SITE DRAWINGS.

2. GROUND COVER SHALL BE DETERMINED BY GENERAL SITE FILL MATERIAL AND CLIMATE CONDITIONS. GROUND COVER MUST BE MAINTAINED AT MAXIMUM OF 16".

GRAPHIC SCALE:

1/8" = 1'-0"
PARTIAL PLAN AT SLIDING DOORS

PARTIAL ELEVATION AT SLIDING DOORS

NOTES:
1. ENDED PLATES AND ANGLES TO SUPPORT DOOR FRAME OPERATIONS SHALL BE PROVIDED BY THE WORKING SUPPLIES.
2. SEE LOOT SPECIFICATIONS FOR DOOR PARTS.
3. SEE SKETCH FOR TYPES I THROUGH VI DOOR TRIM AND SUPPORTS HOLE DETAILS.
4. DOOR 1 AND 2 DOOR TRIM AND DOOR TRIM HOLE DETAILS FOR INTERIOR DOOR WOODWORK DETAIL.
DOOR MONORAIL SUPPORT BRACKET DETAILS

SCALE: 1" = 1'-0"

DETAIL

BASE PLATE DETAIL

S-506

DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING SYSTEMS COMMAND

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RICHARD L. STEPHENS, P.E.
DETAIL - HIGH SECURITY HASP (NAPEC 1332)
NOTES

1. Consistently keep the wall near single point grounding bar at any point in the magazine. Also connect to single point grounding bar with 4/0 AWG Cu.

2. Lighting type "C" fixtures shall be fed from circuit P1-3. Lighting type "A" fixtures shall be fed from circuit P1-5 and controlled by lamp switches "F" and "G" as indicated.

3. Lighting type "D" and "E" fixtures shall be mounted in the structural support angle located on the front of the magazine. Cables shall be connected to structural support angles with the structural clamps.

LIGHTING FIXTURE SCHEDULE

<table>
<thead>
<tr>
<th>FIXTURE SERIES</th>
<th>NO.</th>
<th>TYPE</th>
<th>NO. OF LAMPS</th>
<th>VOLTAGE</th>
<th>MOUNTING</th>
<th>NOTES</th>
<th>LUMEN OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td></td>
<td>LED</td>
<td>1</td>
<td>120</td>
<td>Surface</td>
<td></td>
<td>12000</td>
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<tr>
<td>A2</td>
<td></td>
<td>LED</td>
<td>1</td>
<td>120</td>
<td>Wall</td>
<td>2, 3</td>
<td>1750</td>
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<tr>
<td>A3</td>
<td></td>
<td>LED</td>
<td>1</td>
<td>120</td>
<td>Wall</td>
<td>1</td>
<td>7500</td>
</tr>
</tbody>
</table>

LIGHTING FIXTURE SCHEDULE NOTES

1. Emergency Lighting.
2. Provide high-intensity photocell control.

GRAPHIC SCALE

1/8"=1'-0"

10'  20'  30'
NOTES

1. ALL WINGING STUDS IN BUILDING SHALL BE BOUND WITH ALSO BARE COPPER CONDUCTORS TO GROUND ELECTRODE SYSTEM. USE COUNTERMAINS, CONDUCTORS AND CONNECTIONS AS SHOWN ON SHEET E-102.

2. EXTERIOR PROTECTION PLATES SHALL BE LOCATED AS SHOWN ON THE PLUMBING PLANS. SHEET E-102.

3. PROVIDE STEEL CONDUIT RIGID BARRELS AND REMOVABLE RIGID BARRELS AT EACH OF THE INTERIOR KEYPLACES AS SHOWN.

4. PROVIDE EXTERIOR GROUND VERSA WITH BOTH CIVILIAN CONDUIT TO HANGING GROUND TEST WILL 10 ENTRICES. PROVIDE A DRAINAGE AND REVERSAL BUT NOT INSTALL PROPER.

5. PROVIDE A GROUND DRAIN TO THE SERVICE ENSURE PROPER VERSA AND USE AT THE UPLANDS GROUND LOCATION FOR INDOOR USE.

6. PROVIDE BENDING CONNECTIONS ALONG CONSTRUCTION JOINT WHERE THEY ARE USED.

NOTES TO DESIGNER

1. EXAMINE THE TRUE TEST LOCATION DURING THE PROJECT DESIGN AND CONSTRUCTION ACCESS TO THE TEST WILL CHARGE THE INSTALLATION LOCATION.

2. EXAMINE TO THE GROUND LOCATION OR TO STRUCTURAL STEEL AND APPROVED COMPRESSION CLAMP.

GRAPHIC SCALE

1/8" = 1'-0"
GROUND TEST WELL INSTALLATION IN EARTH FILL

NOTE 1: Maintain the ground conductors required from the ground test well to the bend connection at the top.
NOTE 2: Provide "traffic hole" test well and cover for paved areas.

GROUNDCONNECTION DETAIL

TYPICAL VENTILATOR DETAIL

STATIC GROUND INSERT DETAIL

ORDNANCE GROUND INSERT DETAIL

GROUNDING SECTION DETAIL

SINGLE POINT GROUND BAR DETAIL

1. Place a temporary ground rod at the bend connection to the ground test well. The ground rod shall be a minimum of 6" in diameter and at least 24" long.
2. Install a ground cable from the temporary ground rod to the ground test well.
3. Connect the ground cable to the permanent ground rod.
4. Ensure all connections are tight and secure.
5. Perform a ground resistance test to confirm the installation is effective.

DRAWFORM REVISION: 25 AUGUST 2020
NOTES
1. PROVIDE POWER FROM A SEPARATE SINGLE PHASE TRANSFORMER RATED FOR 120/208V, 208V, OR 240V, 120V, DEPENDING ON THE SPECIFICATIONS.
2. PROVIDE GROUNDING CONDUCTORS IN THE SINGLE PHASE TRANSFORMER.
3. PROVIDE SIZES OF WIRING CONDUCTORS TO BE DETERMINED BY THE ENGINEER. SEE SEPARATE SHEET.
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HEAT TRACE PLAN
SCALE: 1/8" = 1'-0"

NOTES TO DESIGNER

1. THE RISKS FOR DE meditation for the down heating system ON THE DRAWING IS A MEDIUM LEVEL OF SAFETY AS PER NAVFAC. ALL A/C/ES ARE REVIEWED BEFORE ASSEMBLY WHERE DOWN HEATING IS TO BE INSTALLED. USE THE FOLLOWING HEAT TRACE FOR THE PARTS DEPICTED ON THE DRAWING. NAVFAC CHARTER 2001, CLASS IV.

2. HEAT TRACE FACILITY (ALL UNPERSOONS OUTSIDE OF FACILITY) DO NOT NEED TO BE DRAWN ON THE SINGLE POINT GROUND BAR (SPGB).

GRAPHIC SCALE
S 1/8"=1'-0"