FLOOR PLAN

SCALE 1" = 10'

PLAN NOTES:
1. DRAIN ELEVATION IS AT Trench and Top of Trench Wall and Top of Trench Cover. For Actual Elevation See site shop drawings.
2. Ground cover shall be determined by geotechnical soil testing and geotechnical conditions. Ground cover must be maintained at
   minimum 6' MINUS.

GRAPHIC SCALE:

1/8" = 1' 0"
TYPE 1 TRENCH COVER

SCALE: 1" = 1'-0"
S-501

NOTES:
1. Trench cover plates shall have a minimum Flw 3/16".
2. Trench cover plates and attachments including angles and pins shall be galvanized.

TYPE 2 TRENCH COVER

SCALE: 1" = 1'-0"
S-501

FACE OF PLATTERS, RETURN WALLS & TRENCH

SECTION

SCALE: 1" = 1'-0"
S-511

C5

SECTION

SCALE: 1" = 1'-0"
S-511

C6

SECTION

SCALE: 1" = 1'-0"
S-511

A5

GRAPHIC SCALE:

"6" = 1'-0"

"3" = 1'-0"

"1" = 1'-0"

"1/2" = 1'-0"
DOOR SHOCK ABSORBERS

OPERATING REQUIREMENTS

1. MAXIMUM DOOR SPEED TO OPEN/CLOSING

2. DOOR CLOSING SHOCK ABSORBER
   AT TRIMMER
   - SHOCKING FORCE = 10,000 LBS
   - EET CYCLE = 10 REPEATED/EACH

3. DOOR OPERATING SHOCK ABSORBER
   AT TRIMMER
   - SHOCKING FORCE = 5,000 LBS
   - MAXIMUM FORCE PER SHOCK ABSORBER = 10,000 LBS
   - EET CYCLE = 10 REPEATED/EACH
INTERIOR ELECTRICAL LEGEND

ABBREVIATIONS

A = ACREAGE
AT = ABOVE FLOOR
AP = ABOVE PLATE
AWS = ACCESS WIRE SHEATH
C = CONDUCT
CON = CONDUIT
CU = CUPPER
CV = COPPER
DFW = DOOR FRAME WIRE
F = FOOTE
GA = GROUND AREA
GND = GROUND
HD = HARDWARE DEVICE
HFD = HARDWARE FUSE DEVICE
J = JUNCTION BOX
JUNCTION BOX
K = KNOCKOUT
L = LOAD CENTER
M = METER
NP = NETWORK PANEL
PO = POWER OUTLET
R = ROUTE
SF = SEDIMENT FILTER
SHR = SHREDDER
SMT = SURFACE MOUNT
STUD = STUD
SW = SWITCH
TV = TELEVISION
TVS = TV SUPPRESSOR
W = WATER
WSP = WEATHERPROOF

GENERAL NOTES

1. UNLESS OTHERWISE SPECIFIED, ALL ELECTRICAL WORK AND MATERIAL ARE NEW AND SHALL BE PROVIDED BY THE CONTRACTOR.

2. IF DESIGNED TO INSTALL MUSEUM HANGING HOOKS FOR THE INTERNAL POWER CIRCUITS.

3. PROVIDE SURFACE PROTECTION FOR ALL CONDUIT CARRYING AND CARRYING THE MAGAZINE IN ACCORDANCE WITH NFPA 72. CONTACT ALL SURFACE PROTECTION CONDUCTORS TO THE SECONDARY GROUND BUS.

4. IF THE MUSEUM SPACE IS INFORMED TO BE A MUSEUM SPACE INFORMED TO THE PRIMARY EXISTING PANEL FOR FUTURE WORK.

5. ALL CONDUIT ENDINGS AND MASKS OF THE MAGAZINE SHALL BE REDUCED.

NOTES TO DESIGNER

1. A SEPARATE CHARGE SHEET TO THE STANDARD DRAWINGS WHERE UNLESS THE REQUIREMENT TO CONSIDER THE CIRCUIT ROOM MUST BE SPECIFIED AS NON-MAGNETIC ELECTRIC SPACE, THIS ROOM SHALL BE DESIGNATED AS NON-MAGNETIC.

2. WHERE ELECTRICAL INSTALLATION IS REQUIRED TO BE MADE IN THE MAGAZINE ROOM, THE MAGAZINE ROOM SHALL BE DESIGNATED AS NON-MAGNETIC ELECTRICAL SPACE.

3. SINGLE PHASE PANELS EXCEPT WHERE APPROPRIATE FOR IMPORTANT MACHINES. IF SINGLE PHASE MACHINES ARE USED, SEPARATE PHASE BUTTONS ITEM化 IF NOT SPECIFIED, THESE SYSTEMS SHALL BE INFORMED TO THE PRIMARY EXISTING PANEL FOR FUTURE WORK.

4. IF MUSEUM SPACE IS INFORMED TO BE MUSEUM SPACE INFORMED TO THE PRIMARY EXISTING PANEL FOR FUTURE WORK.

EXTERIOR ELECTRICAL LEGEND

GROUND BUS - 3/4" x 1/2" COPPER GROUND BUS, GROUND BUS SHALL BE TERMINATED AT A MINIMUM OF 10 IN MACHIN SPACE

GROUND BUS SHALL BE TERMINATED AT A MINIMUM OF 10 IN MACHIN SPACE

GROUND CONDUCTOR 3/0 AWG COPPER WITH DUCT/HEAT HARD OR DUCT IRON COUPLING.
GROUNDBING PLAN

Scale: 1/8" = 1'-0"

NOTES

1. ALL GROUNDING STEEL IN BUILDING SHALL BE FOUND WITH ALUM/AL BIT WIRES CONDUCTORS AT EACH ELECETRIC CONDUIT ENSURING GROUND WIRING IS CORRECTLY INSTALLED ON STANDARDS X 14 AWG.

2. GROUNDING POINTS SHALL BE INDICATED AS SHOWN ON THE PLAN. THE MAXIMUM SPACING SHALL BE 15'-0".

3. PROVIDE STEEL GROUND WIRING, WHERE AND FEASIBLE, ON SDOH SIDE OF THE BUILDING AS INSTRUCTED.

4. PROVIDE STEEL GROUND WIRING WHERE ALUM/AL BIT WIRES CONDUCTORS ARE USED AND FEASIBLE, PROVIDE A FUTURE ACCESS TO THE BUILDING FOR MAINTENANCE.

5. PROVIDE A GROUND BAR VOLTS TO THE SERVICE ENTRANCE TERMINALS AND USE IT AS THE PRIMARY BUILDING GROUND TERMINUS FOR MAINTENANCE.

6. PROVIDE CONNECTING JUMPS ACROSS CONSTRUCTION JOINTS WHEN THEY ARE USED.

NOTES TO DESIGNER

1. PROVIDE THE PROPER TEST VOLTS TO THE TERMINALS DURING THE PROJECT DESIGN AND CORRECT THE POWER ACCESS TO THE BUILDING WHERE NEEDED TO PROVIDE THE INSTALLATION LOCATION.

GRAPHIC SCALE

1/8"=1'-0"
POWER RISER DIAGRAM

NOTES
1. PROVIDE POWER FROM A SEPARATE SINGLE PHASE TRANSFORMER RATED FOR 30 AMPS.
2. PROVIDE LEADING ATTENTIONS IN THE SINGLE PHASE TRANSFORMER.
3. THE DOOR AND SHOWER PIPE HEAT TRACING CIRCUITS ONLY APPLY IF HEAT TRACING IS INSTALLED SEE SHEET L-1-11.
4. ATTENDANT REQUIRED THAT THE PENETRATIONS ARE SHOWN IF HEAT TRACING IS NOT PROVIDED.
HEAT TRACE PLAN

NOTES TO DESIGNER

1. The design for design of the heat trace system on the drawing is a
   heat density of 0.01W/cm² for 3/4" pipe. All areas encircling each
   building where heat tracing is to be installed shall be for the installed
   heat density for that particular location. See 3/4" pipe for heat trace
   specifications. All areas outside of the building shall be for the 3/4" pipe
   specifications. All areas on the building shall be for the 3/4" pipe
   specifications. All areas outside of the building shall be for the 3/4" pipe
   specifications. All areas outside of the building shall be for the 3/4" pipe
   specifications. All areas outside of the building shall be for the 3/4" pipe
   specifications.

2. Heat trace circuits shall be grounded outside of facility. Do not
   need to be grounded to the single point grounding bar (SPGB).

GRAPHIC SCALE

1/8" = 1'-0"