Statement of Work

Standard NWR Transmitter
Building Replacement

Perry, FL

Overview: NWS requires a building that is not permanently set (not real property), constructed of metal siding and metal roof or similar fiberglass structure, which house a VHF 1000 watt transmitter with electrical. This is to replace a shelter that needs to be removed prior to installation. The building shall be approximately 8 foot wide by 10 foot in length but not exceed 9.5 feet by 11.5 feet. The building shall have 8 foot ceilings at a minimum.

Period of performance: 120 days after NTP

Delivery Options: Contractor shall provide delivery to the NWR Transmitter site from their location. NOAA Weather Radio NWR location: 8610 E. Jody Morgan Rd, Perry, FL 32347

Points of Contact:

WFO Tallahassee ESA: [redacted]

Regional Maintenance Specialist: [redacted]

Facilities Technician: [redacted]

NWR Program Manager/COR: [redacted]

1. Site Prep

- **Planning:** The contractor is responsible to provide detailed plans/drawings/specifications to the COR at least 45 days before replacement is scheduled for lessors approval
- **Power Cut-over:** The contractor's electrician shall coordinate with the local utility to safely disconnect and lock-out/tag-out power before demolition
- **Disposal:** The contractor is responsible for the legal removal and disposal of the existing structure and all debris off-site.
- **Permits:** The contractor is responsible for pulling all permits necessary permits and have all necessary inspections performed.
- **Foundation:** Foundation is to be inspected and repairs are to be made after the old building is removed if needed. If new building is too large for the existing foundation, it is on the contractor to properly extend the foundation. A new 3 foot by 4 foot pad will be poured at the current generators location

2. Security & Exterior

- **Security Hardware:** Commercial grade steel exterior door with include a heavy-duty security plate over the latch/deadbolt to prevent prying or similarly featured security door.
- **Roof Pitch:** The roof must be sloped to ensure no standing water accumulates.
- **Cable Bridge:** A firm support for reattachment of existing cable bridge will be needed on the right side of the building
- **Exterior Lighting:** Contractor shall install one (1) LED exterior lamp with an integrated dusk-to-dawn sensor above or adjacent to the entry door.

3. Technical Grounding

- **Grounding Halo:** Contractor shall install a #6 AWG (minimum) copper ground wire "halo" running around the inside perimeter of the building.
- **Bus Bars:** One (1) Main Ground Bus (MGB) located near the communications entry. One (1) Secondary Ground Bus (SSGB) located near the electrical panel.
- **Cable Entry:** The building must include a 4” PVC pipe bulkhead pass-through for Heliax antenna cables mounted on the right side of the building towards the back, including a 6" x 12" external copper ground block for lightning protection.

4. Interior Layout

- **Equipment Wall:** One wall must be finished wi**th 3/4” plywood** to support the mounting of the 100-amp electrical panel, transfer switch, and communications gear.
- **Electrical Loadout:**
    - 100-amp Main Panel with at least 16 circuit spaces, with two (2) dedicated 220V 20A breakers ready for hardwire connection of the transmitter
    - Outlets: 115 VAC Quad outlets must be available on each wall
    - Single overhead LED light fixture is needed inside.
    - All wiring must meet NEC code requirements
    - Generator and transfer switch shall be reconnected by the local NWS facilities technician

5. Climate Control

- **HVAC System:** The unit shall be a 1.5-ton mini-split (or similar wall-mount) capable of maintaining internal temperatures between **+50°F and +85°F** year-round.
- **Insulation:** Walls must be insulated with a suitable R-value material and protected by a moisture barrier such as Tyvek (or equivalent).

Attachment A:

Site photos:

Site front

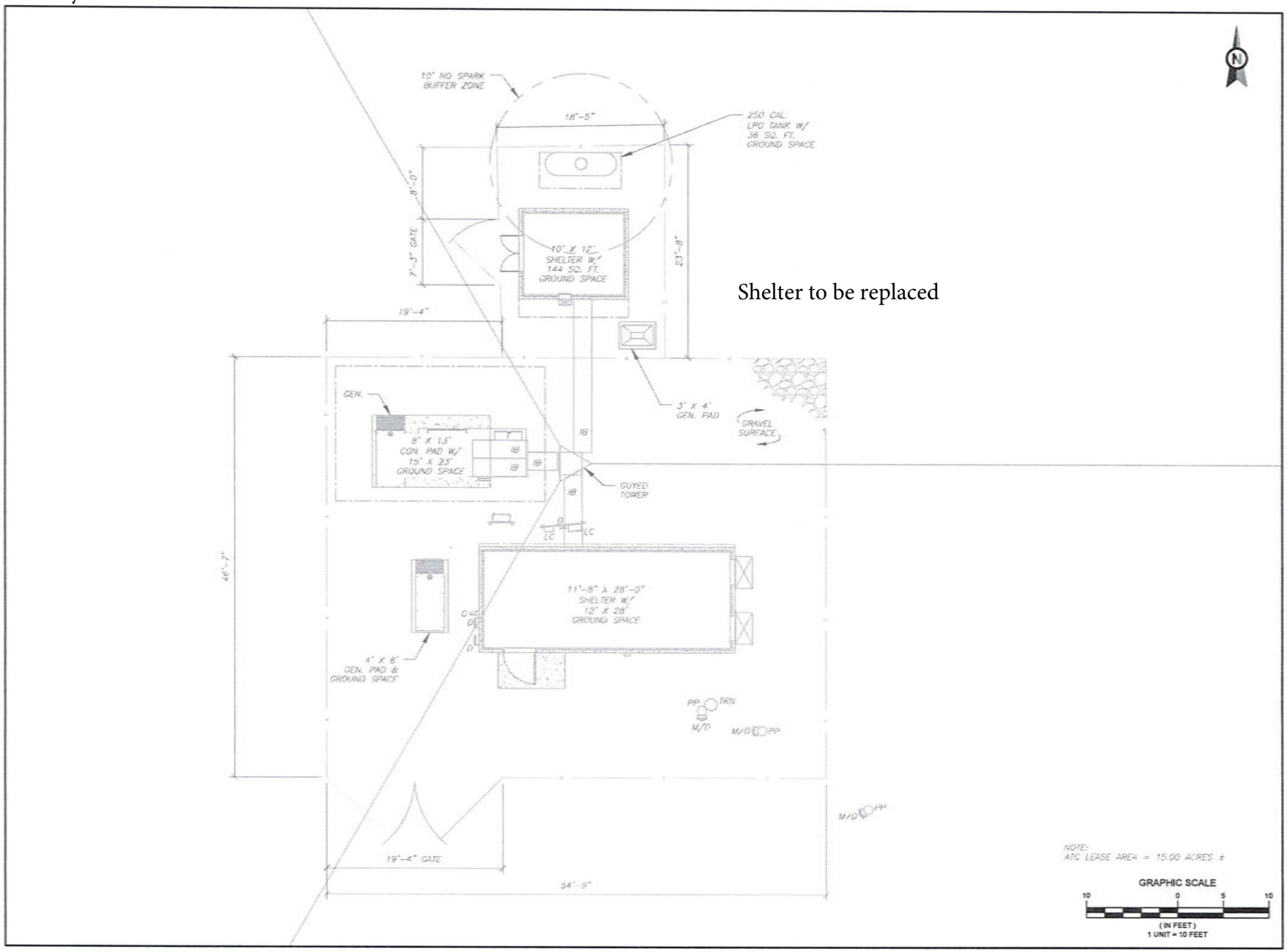
Left side

Right side with generator and cable port

Interior electrical

Cable tray

Attachment B
Site layout



AMERICAN TOWER®

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ATC SITE NUMBER:
97173

ATC SITE NAME:
MINOM SOG
FLORIDA

LEGEND

	GROUNDING TEST WELL
AV	AIR VENT
ATS	AUTOMATIC TRANSFER SWITCH
B	BOLLARD
C	CABINET
CS	COAX SHROUD
CSC	CELL SITE CABINET
D	DISCONNECT
E	ELECTRICAL
F	FIBER
GEN	GENERATOR
G	GENERATOR RECEPTACLE
HH, V	HAND HOLE, VAULT
HFC	HYDROGEN FUEL CELL
HSM	HYDROGEN STORAGE MATERIAL
IB	ICE BRIDGE
K	KENTROX BOX
LC	LIGHTING CONTROL
LPG	LIQUID PROPANE GAS
M	METER
MTS	MANUAL TRANSFER SWITCH
OHW	OVERHEAD WIRE
P	POWER
PP	POWER POLE
T	TELCO
TRN	TRANSFORMER
	BUFFER (PROPERTY LINE)
	GROUND SPACE (LEASE AREA)
	EASEMENT

DRAWN BY:	M.GOOCH
DATE DRAWN:	05/10/22
CUSTOMER:	
ATC PROJECT NO.:	
ATC ASSET NO.:	97173

SITE PLAN LAYOUT

SHEET NUMBER:	AUDITED BY
SITE-1	ON

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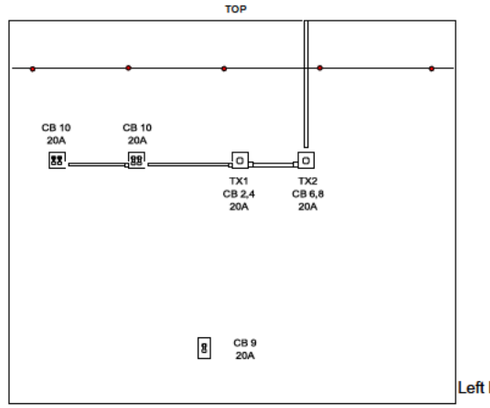
Attachment C:

Typical shelter pictures:

Typical shelter with external generator

Another typical NWR shelter with external Generator

TYPICAL NWR SHELTER DRAWINGS USED FOR REFERENCE ONLY for other measurements of typical equipment installations



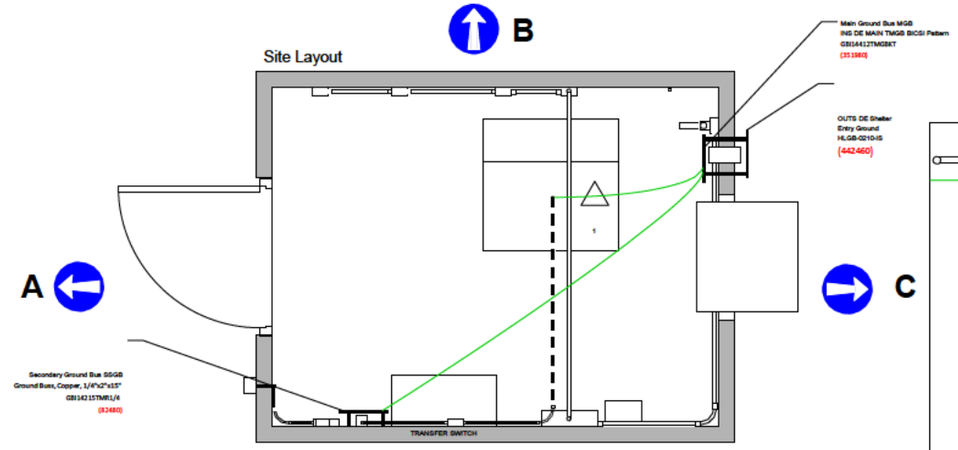
Left Hand Wall – B Side

NOTES

1. ARMSTRONG 1000W shown as reference

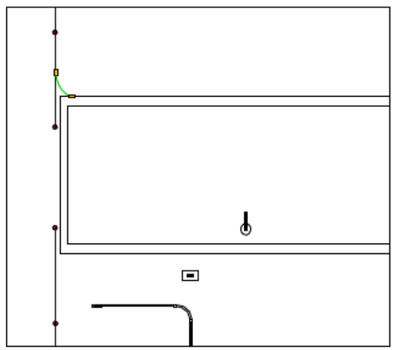
B

Site Layout

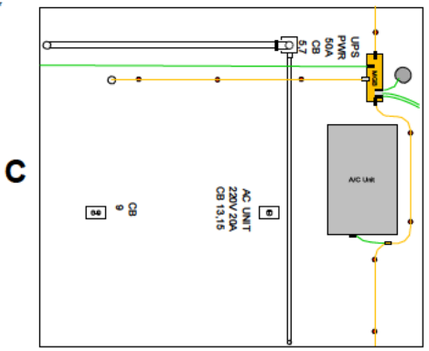


A

C

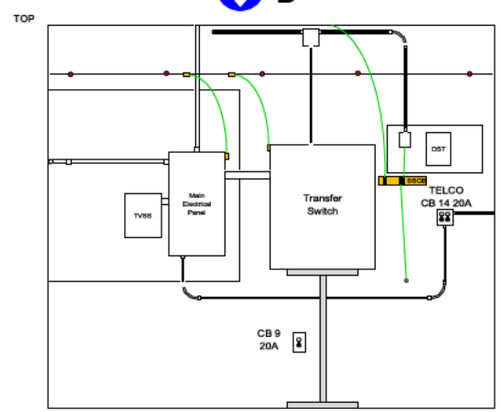


Entry Wall – A Side



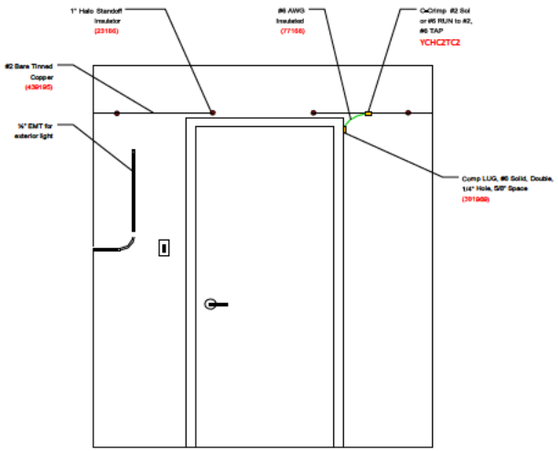
Far Wall – C Side

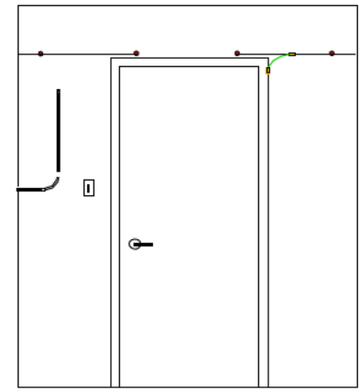
D



Right Hand Wall – D Side

SHELTER LAYOUT	NATIONAL WEATHER SERVICE		
	STANDARD NWR SHELTER LAYOUT		
	SIZE D	PROJ NO	DWG NO	REV 00
	SCALE 3/4" = 1'-0"		SHEET 1 OF 6





ENTRY WALL	NATIONAL WEATHER SERVICE			
	STANDARD NWR SHELTER LAYOUT			
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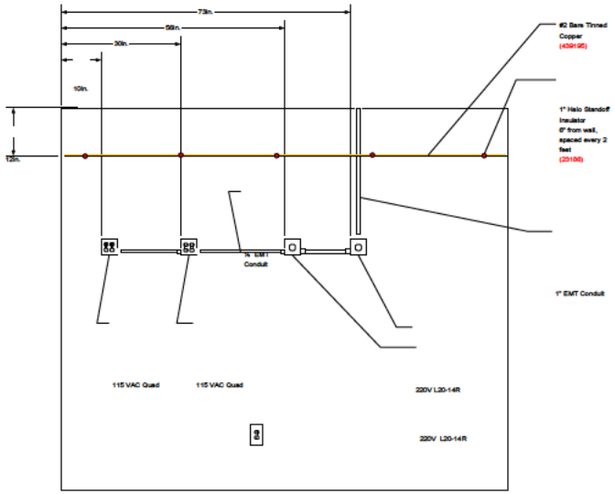
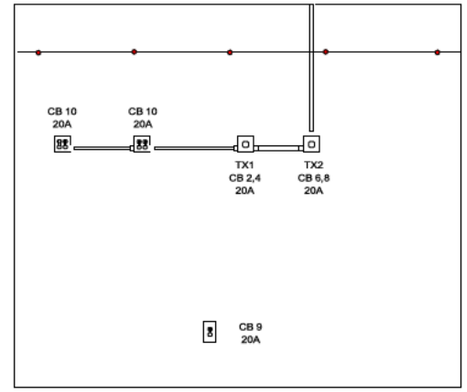
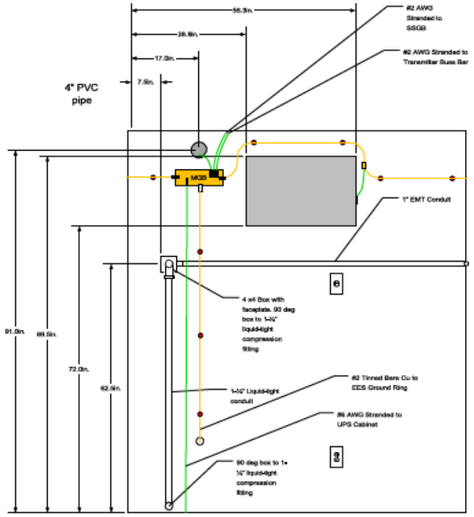
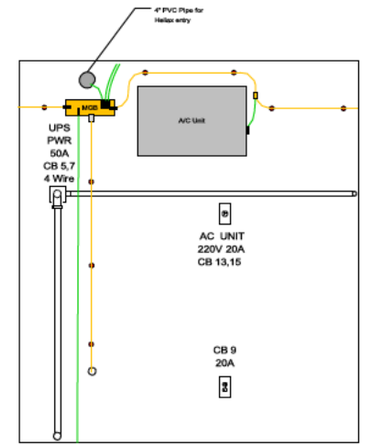
	SCALE 3/4" = 1'-0"		SHEET 2 OF 6	



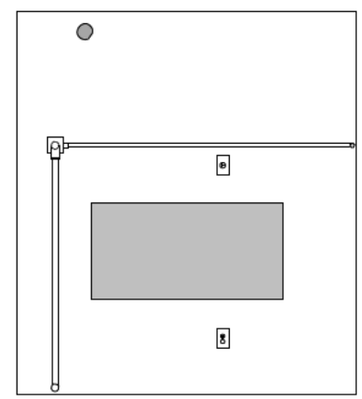


LEFT HAND WALL	NATIONAL WEATHER SERVICE			
	STANDARD NWR SHELTER LAYOUT			
	SIZE D	FSCM NO	DWG NO	REV 00
	SCALE 3/4" = 1'-0"		SHEET 3 OF 6	



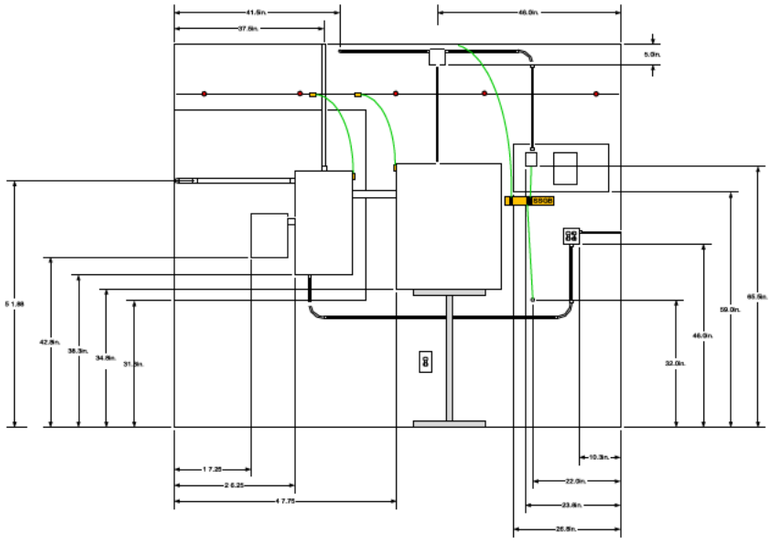


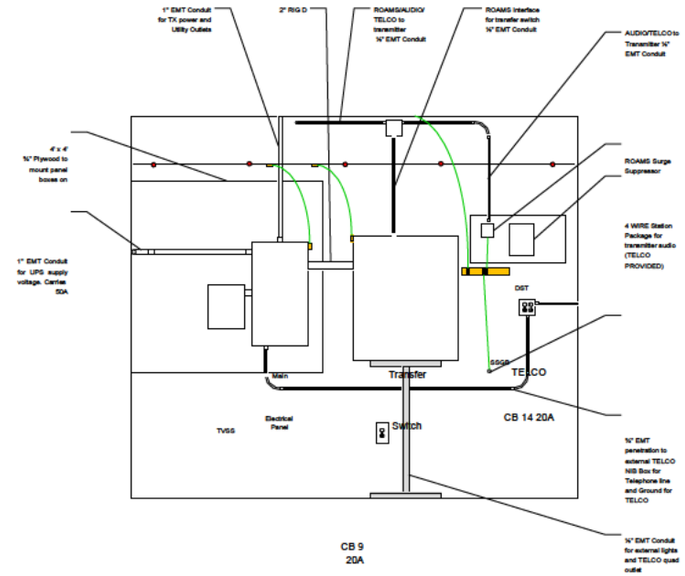
Factory Supplied Wall Unit A/C



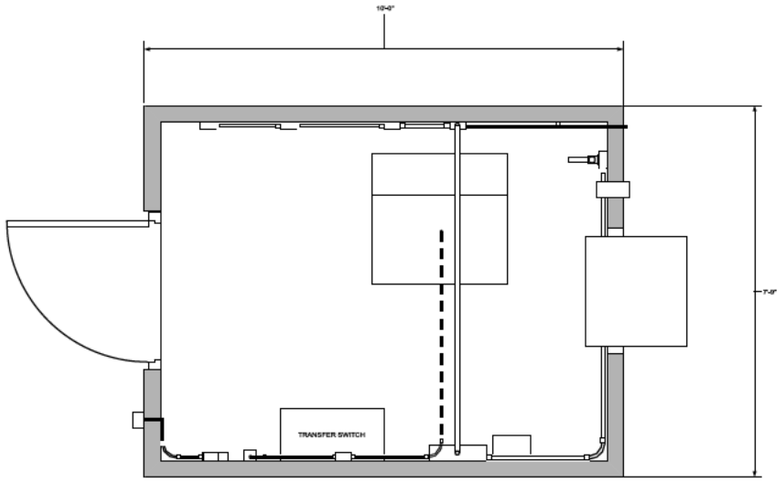
Optional Friedrich A/C Unit Location

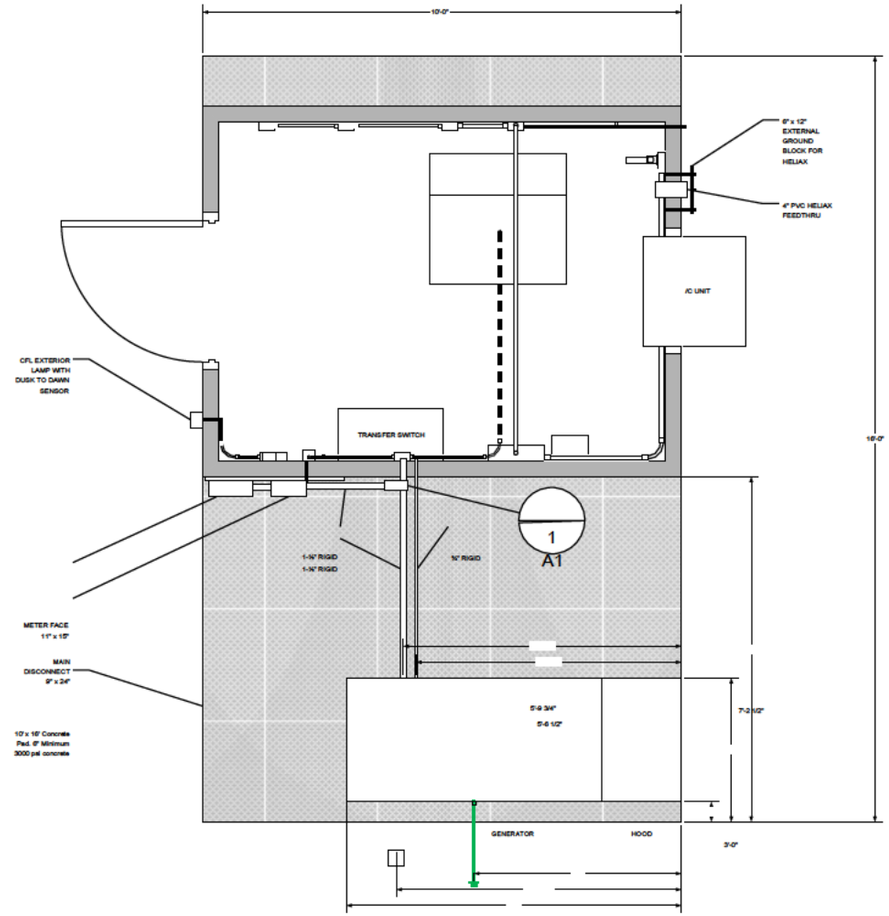
FAR WALL	NATIONAL WEATHER SERVICE			
	STANDARD NWR SHELTER LAYOUT			
	SIZE D	PRCM NO	DWG NO	REV 00
	SCALE 3/4" = 1'-0"		SHEET 4 OF 6	

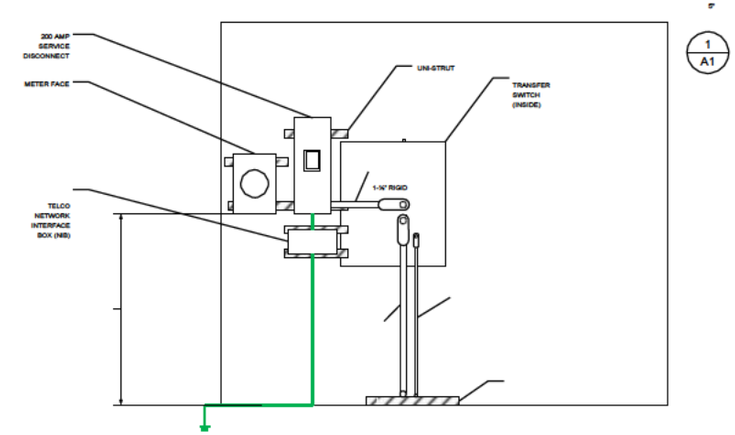




RIGHT HAND WALL	NATIONAL WEATHER SERVICE			
	STANDARD NWR SHELTER LAYOUT			
	SIZE D	FSCM NO	DWG NO	REV 00
	SCALE 3/4" = 1'-0"		SHEET 5 OF 8	


10'-0"
7'-0"
TRANSFER SWITCH


10'-0"
6" x 12"
EXTERNAL
GROUND
BLOCK FOR
HELIAX
4" PVC HELIAX
FEEDTHRU
/C UNIT
CFL EXTERIOR
LAMP WITH
DUSK TO DAWN
SENSOR
TRANSFER SWITCH
10'-0"
1
A1
1-1/4" RIGID
1-1/4" RIGID
1/2" RIGID
METER FACE
11" x 15"
MAIN
DISCONNECT
9" x 24"
10' x 10' Concrete
Pad. 6" Minimum
3000 psi concrete
5'-9 3/4"
5'-6 1/2"
7'-2 1/2"
GENERATOR
HOOD
3'-0"
5'


200 AMP
SERVICE
DISCONNECT
METER FACE
TELCO
NETWORK
INTERFACE
BOX (NIB)
UNI-STRUT
TRANSFER
SWITCH
(INSIDE)
1-1/4" RIGID
1
A1

STANDARD TERMS

A. Compliance.

The Contractor shall comply with all local, state, and Federal environmental, health, and safety regulations while conducting this work. In addition, the Contractor shall ensure that all work is in compliance with the applicable codes and be responsible for all licenses, permits and fees required to complete this project.

B. Disposal.

The Contractor will be required to properly remove and dispose of all waste material in an environmentally friendly manner.

C. Guidelines.

The Project shall follow the guidelines stated in the Statement of Work (SOW), site diagrams, blueprint, and any contractor provided quoted documents. All modifications must be submitted and approved by the Contracting Officer.

D. Hours of Operation.

Work shall be performed between 8:00am & 5:00pm Monday thru Friday unless otherwise approved by the TPOC. Contractor agrees to observe all Federal Holidays, and any other day off work designated by Federal Statute, Executive Order, or Presidential Proclamation:

New Year's Day, Labor Day, Columbus Day, Veteran's Day, Thanksgiving, Christmas, Memorial Day, Juneteenth, Presidents Day, Independence Day & Martin Luther King Day.

E. Facility Access

A Project sign in sheet shall be completed each day for all contractors, contractor employees and sub-contractors on site.

F. Government Contact

The TPOC and/or Local Office Contact (LOC) will serve as the Government's point of contact for all submissions.

G. Documents

The Government does not warrant that any documents provided as attachments to be free from discrepancies, ambiguities, errors, omissions, or changing conditions. It is the responsibility of the Contractor to confirm existing conditions and resolve discrepancies between documents.

H. Project Duration

Project shall be completed within 120 days of notice to proceed.

I. Service Contract Labor Standards (SCLS)

The Contractor shall comply with the current wages of the SCLS.

J. Key Personnel

1. The contractor will provide the following Key Personnel positions prior to the start of the project. These positions can be occupied by the same person but must be able to fulfill both position roles. Before Key Personnel changes are made, the CO must be notified in writing prior to the change.

    - **Project Manager –** Must be able to represent the contractor in regards to contract requirements and/issues.
    - **Onsite Manager –** Must be at the location of project whenever work is being performed by contractor or subcontractors. Communication to NWS TPOC/LOC must be through this position.