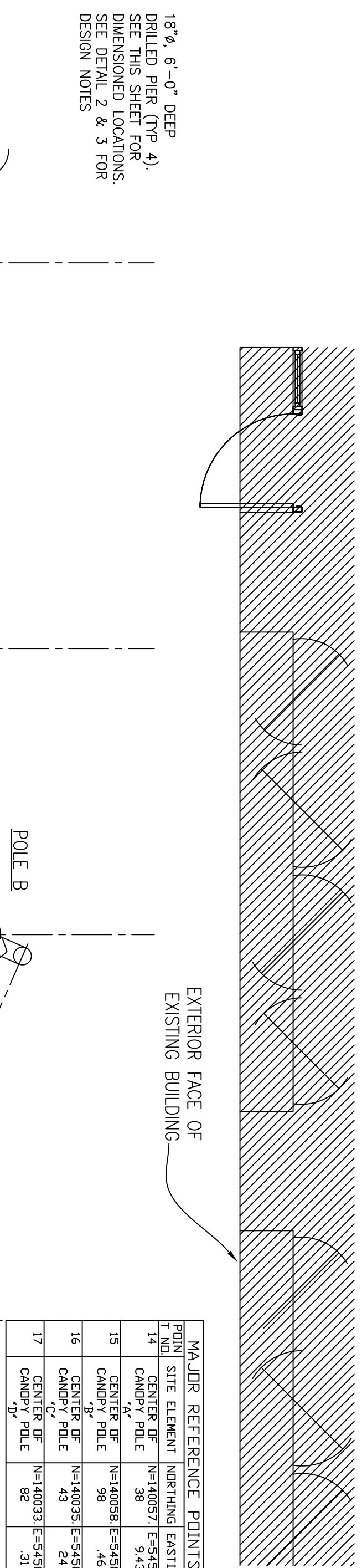
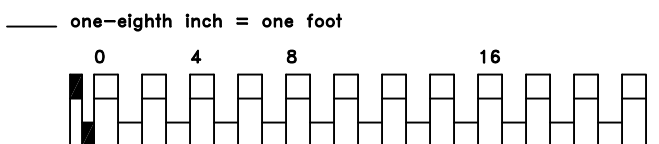
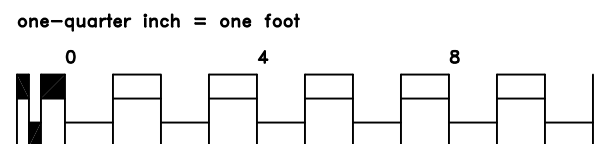
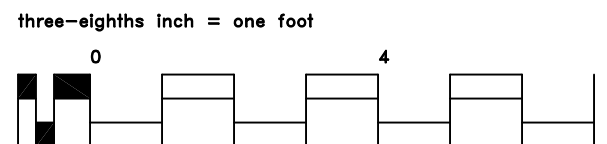
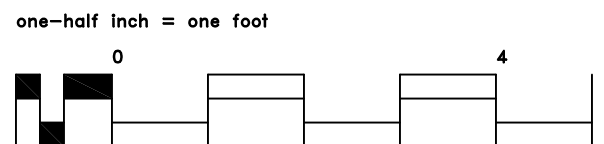
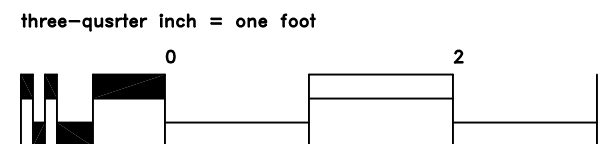
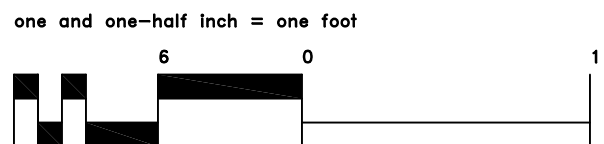
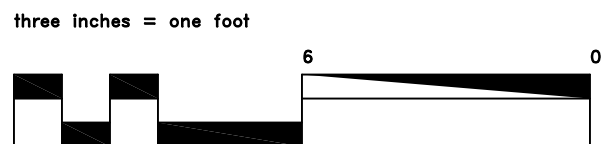


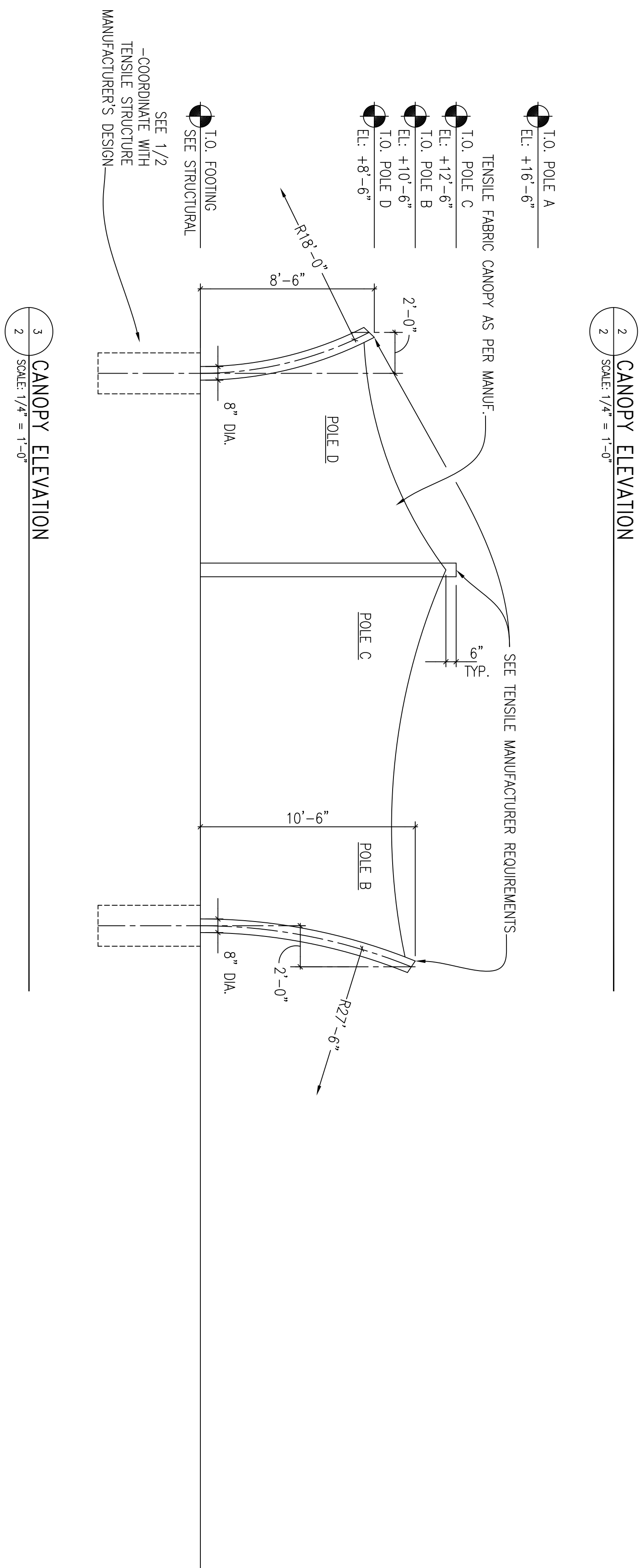
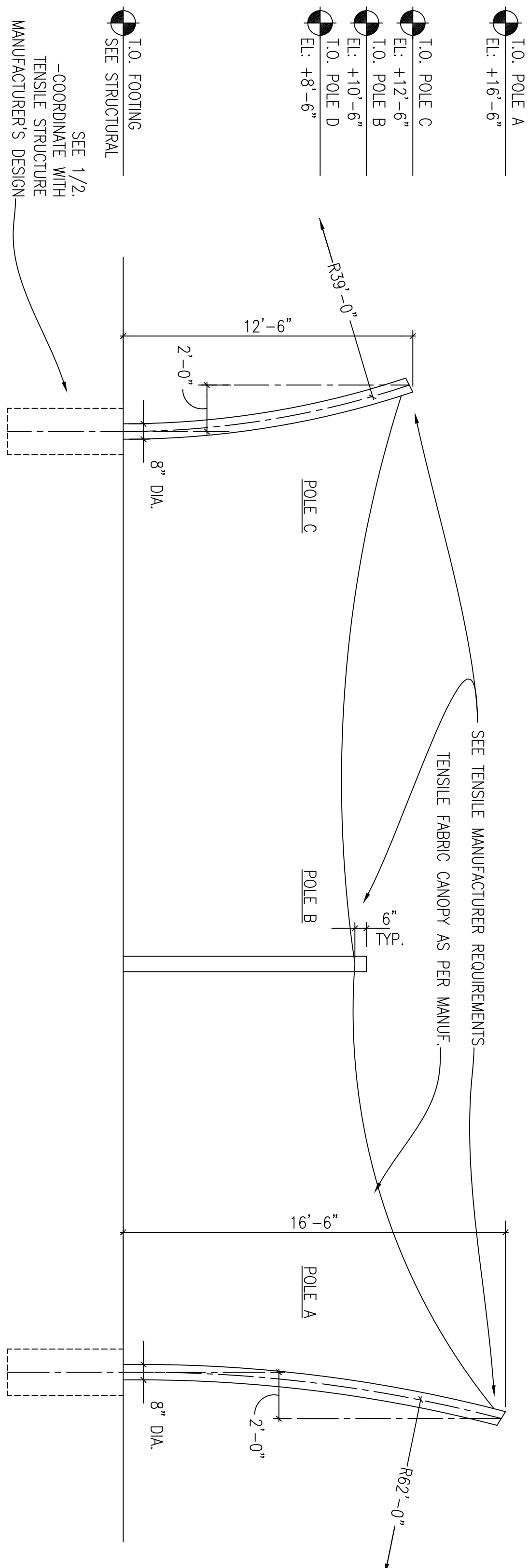
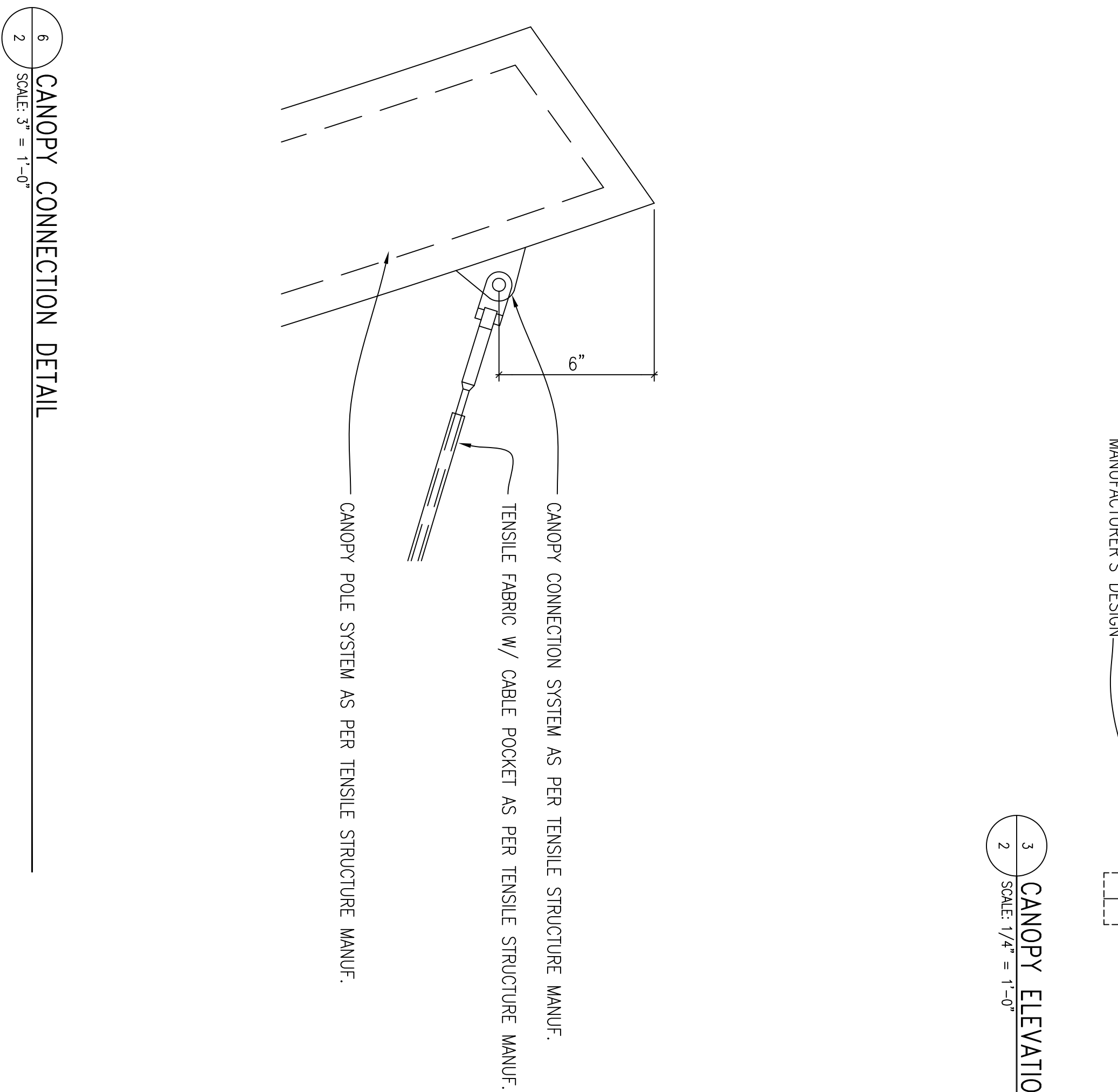
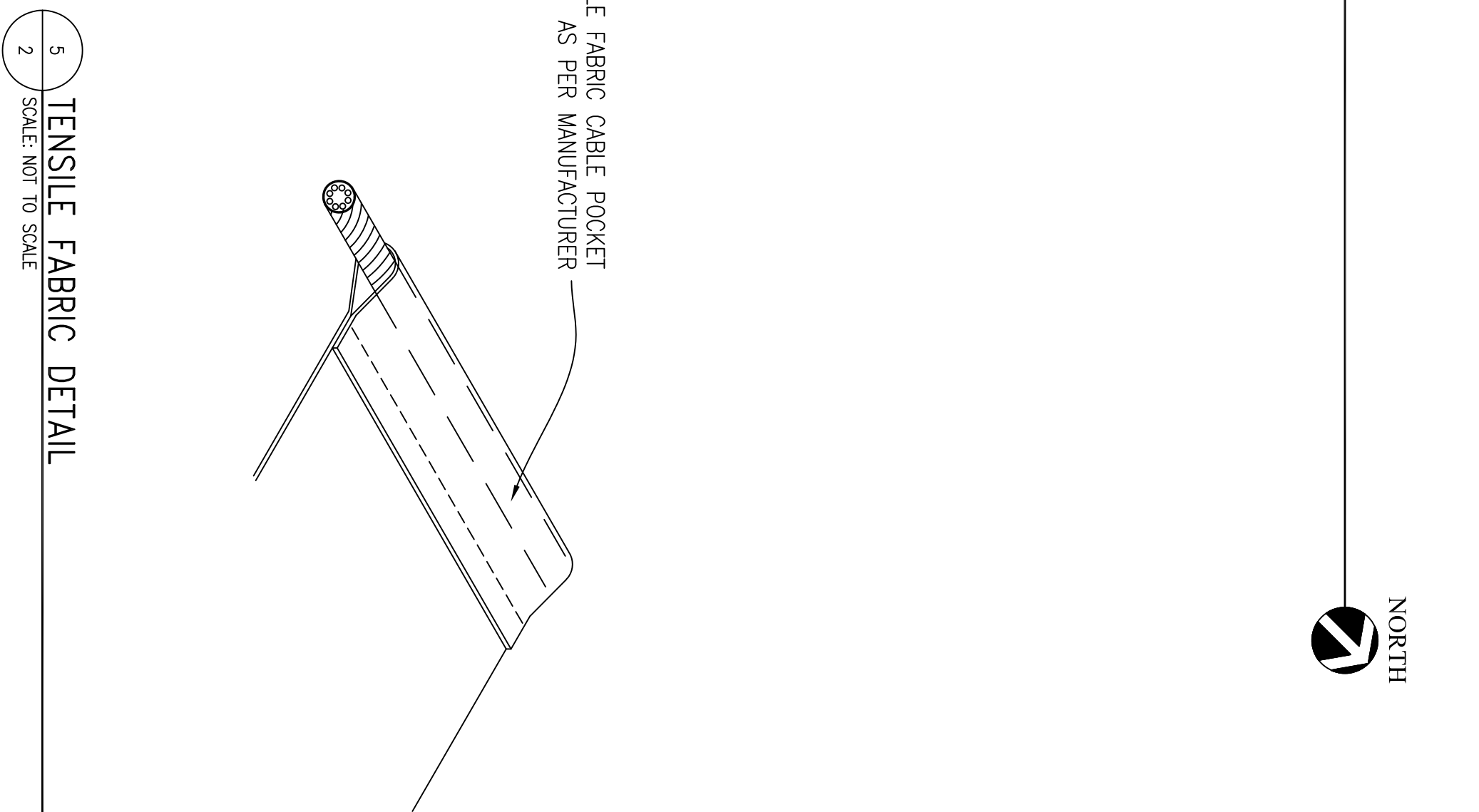
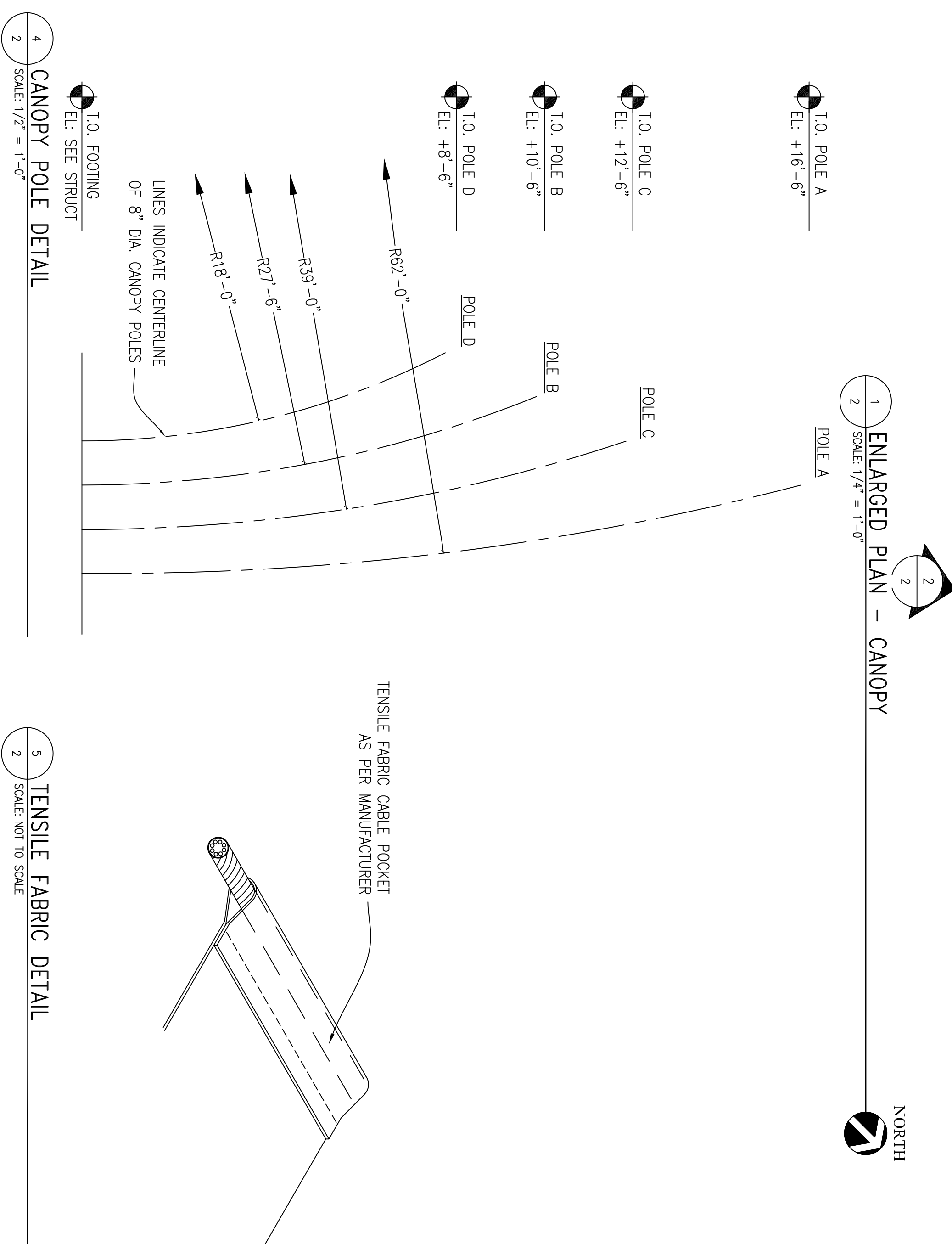
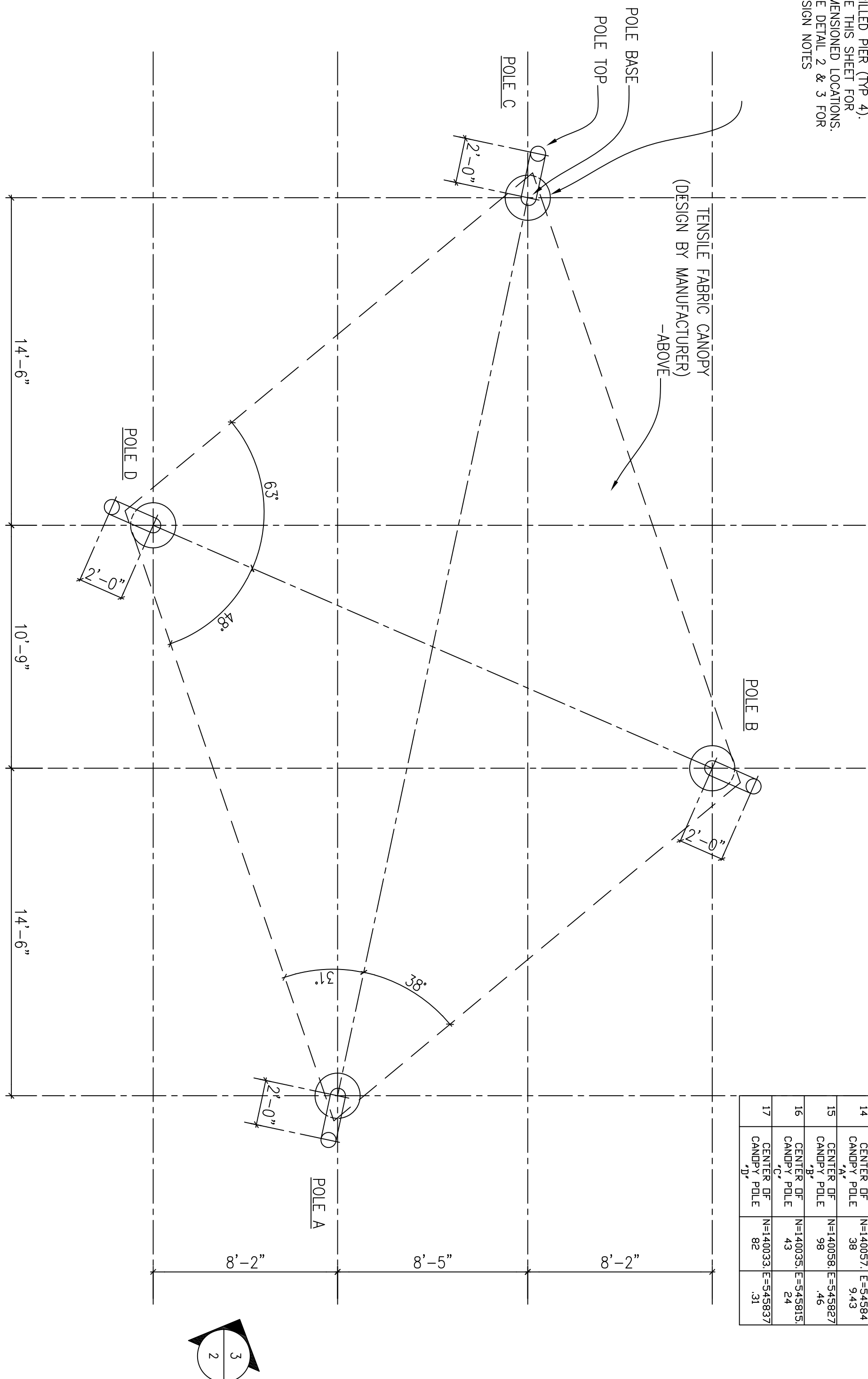
AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			BPA NO.		1. CONTRACT ID CODE		PAGE 1 OF 2 PAGES	
2. AMENDMENT/MODIFICATION NUMBER 0006			3. EFFECTIVE DATE 04-01-2021		4. REQUISITION/PURCHASE REQ. NUMBER		5. PROJECT NUMBER (if applicable) 618-17-127	
6. ISSUED BY Department of Veterans Affairs Program Contracting Activity Central 6150 Oak Tree Blvd, Suite 300 Independence OH 44131			CODE 36C776		7. ADMINISTERED BY (If other than Item 6) Department of Veterans Affairs Department of Veterans Affairs 6150 Oak Tree Blvd, Suite 300 Independence OH 44131		CODE 00076	
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) To all Offerors/Bidders					(X)	9A. AMENDMENT OF SOLICITATION NUMBER 36E77620R0050		
						9B. DATED (SEE ITEM 11) 04-01-2021		
						10A. MODIFICATION OF CONTRACT/ORDER NUMBER		
						10B. DATED (SEE ITEM 13)		
CODE					FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS								
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning <u>NA</u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. <u>NA</u>								
12. ACCOUNTING AND APPROPRIATION DATA (If required)								
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.								
CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).							
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:							
	D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> (ONE) copies to the issuing office.								
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) The purpose of this amendment is to provide the following: 1. A copy of the Renovate Inpatient Mental Health Project 618-17-127 Exterior Modifications that is associated with Addendum 1 which was published in Amendment 0005.								
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.								
15A. NAME AND TITLE OF SIGNER (Type or print)					16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)			
					Donald A. Marsh PCAC-15L3-1697 Contracting Officer			
15B. CONTRACTOR/OFFEROR			15C. DATE SIGNED		16B. UNITED STATES OF AMERICA		16C. DATE SIGNED	
(Signature of person authorized to sign)					(Signature of Contracting Officer)			

See attached document: Renovate Inpatient Mental Health Project 618-17-127 Exterior Modifications.

End of Document



POINT NO.	SITE ELEMENT	REFERENCE POINTS
14	CENTER OF CANOPY POLE	N=1400057 E=54584 38 9.43
15	CENTER OF CANOPY POLE	N=1400058 E=545827 98 .46
16	CENTER OF CANOPY POLE	N=1400035 E=545815 40035 24
17	CENTER OF CANOPY POLE	N=1400033 E=545837 82 .31



NOTE:
DESIGN, STRUCTURE AND CONSTRUCTION AS
PER TENSILE STRUCTURE MANUFACTURER

[illegible]

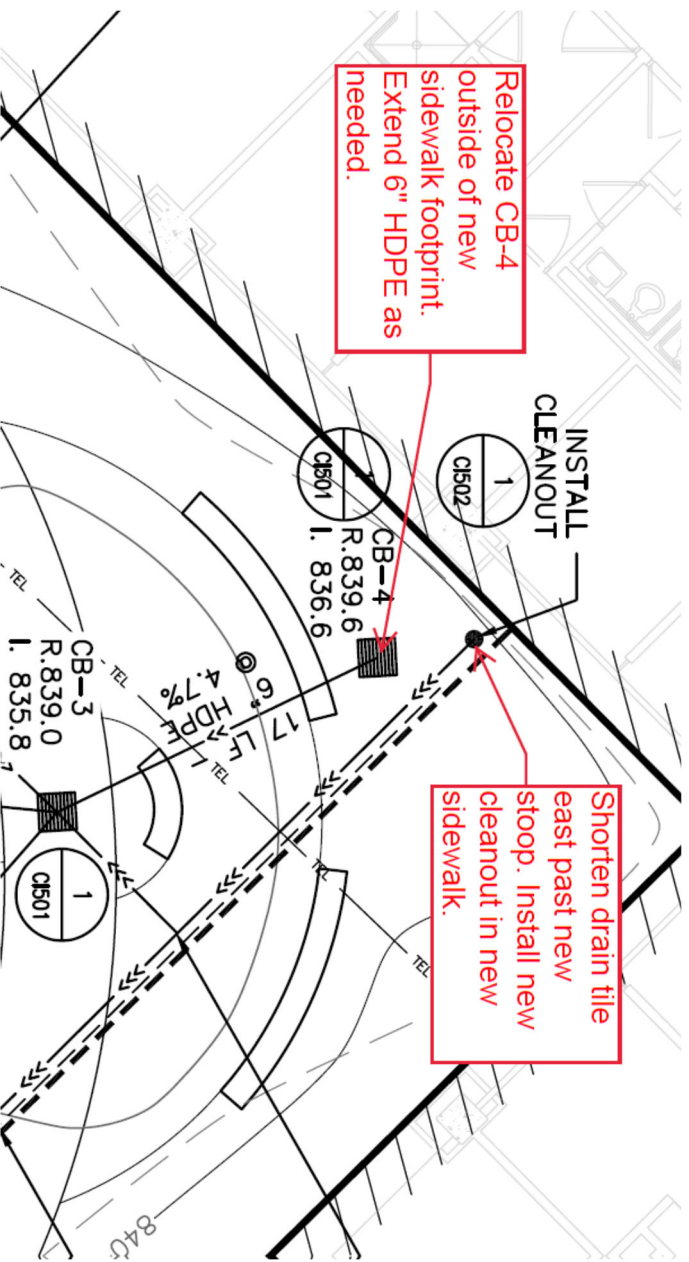
Exercise Yard Scope for VA Project 618-17-17 Renovate Mental Health Inpatient Ward

Overall Scope:

1. Complete demolition of landscaping at new entrance. Complete utility relocation and site prep at new sidewalk location. Protect existing landscaping at window replacement locations.
2. Install new 5' wide concrete stoop at new exercise area entrance, followed by installation of new 4' wide sidewalk connectors to existing sidewalk.
3. Repair landscaping at new entrance.
4. Add relocation of exterior lighting switch to plans for each phase (wire temp switch to area L in phase 1, then move to permanent location at nurses' station during phase 2).
5. Relocate existing fire alarm device and duress button to new entrance.
6. Provide and install canopy over seating area per overall drawing 2.

Detailed Scope Items:

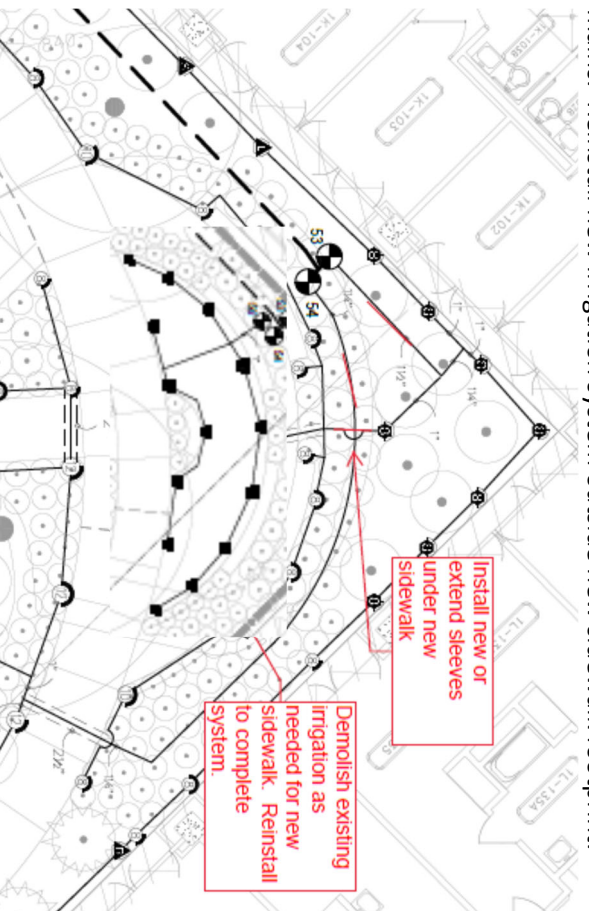
Complete underground utility modifications as noted below:



Remove existing landscaping as needed to install new sidewalk and modify underground utilities. Restore landscaping following sidewalk install.

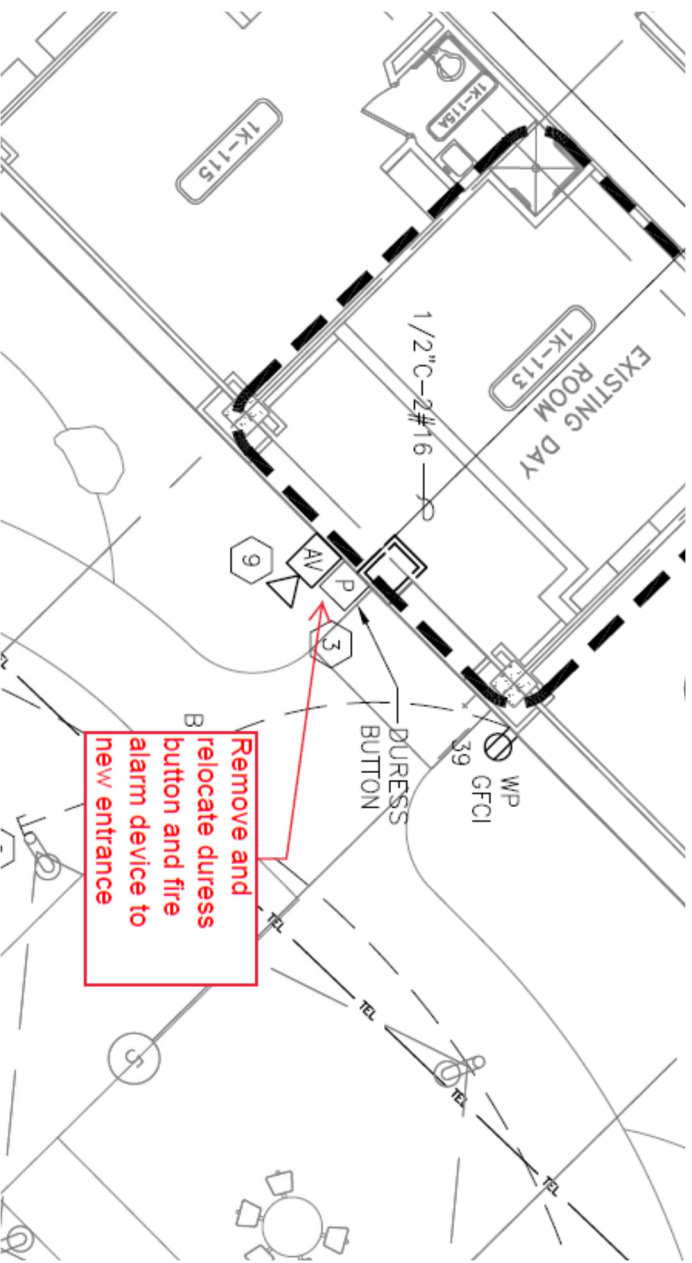


Demolish existing irrigation system in areas noted with Red. Install PVC sleeves under new sidewalk for mains. Reinstall new irrigation system outside new sidewalk footprint.



Install new stoop at new entrance per details on overall plan. Install new sidewalk per details on overall plan.

Demolish Existing duress button and fire alarm device at existing entrance. Reinstall at new entrance.



Provide and install canopy over seating area as detailed on drawing 2 of the overall plan.

SECTION 13 31 23
TENSIONED FABRIC STRUCTURES (TFS)

PART 1 – GENERAL

1.1 SUMMARY

- A. The Tensioned Fabric Structure Manufacturer (hereafter referred to as “TFS Manufacturer”) shall be responsible for the design, engineering, fabrication, supply and installation of the work specified herein, including (but not limited to) fabric, all hardware and cables, support structure (including concrete footings and columns). The intent of this specification is to have single source responsibility for the above functions.
- B. Performance Requirements: The TFS Manufacturer shall be responsible for the configuration, fabrication and erection of the tensioned membrane structure. All materials provided shall be new or recycled. Re-use of materials is not allowed.
- C. The fabric structure shall be a cable and/or frame supported tensioned membrane structure as indicated on drawings. The fabric shall have low elongation characteristics under tension and shall assume an anticlastic configuration. Structures that have designs incorporating fabric in a flat or mono-axially curved configuration at any location in the roof will not be acceptable.
- D. Provide a structure as shown in the drawings and described in this specification. Foundations and anchoring for the structure shall be the responsibility of the TFS Manufacturer.

1.2 SUBMITTALS

- A. Data: Manufacturer product data, including specifications and installation instructions for each component of the TFS. Include laboratory test reports and other data, where applicable.
- B. Engineering drawings: 11” x 17”, dimensioned drawings for the TFS signed and sealed by a licensed civil or structural engineer. Include plan view, elevations, details, sections, connections, and anchorage/footings.
- C. Samples: Fabric, 8 ½” x 11” minimum
- D. Structural calculations: Signed and sealed by a registered structural or civil engineer specializing in TFS design and engineering.
- E. Sustainability:

1. Provide documentation indicating percentages of recyclable content, by weight, of postconsumer and preconsumer recycled content. Include statement indicating costs for each product having recycled content.
 2. Identify each regional material along with the location of its harvest, extraction, or manufacture. Include material cost for each item.
- A. AWS D1.1 – American Welding Society Structural Welding Code
 - B. AWS D1.2 – American Welding Society Structural Welding Code, Aluminum
 - C. NFPA 701 – National Fire Protection Association Fire Test for Flame Propagation of Textiles and Films
 - D. ASCE 7 – American Society of Civil Engineers, Minimum Design Loads for Buildings and other structures
 - E. ASTM A 500 – Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes

1.4 QUALITY ASSURANCE

- A. Acceptable Manufacturers:
 1. Birdair or similar
- B. TFS Manufacturer must provide proof of the following certifications:
 1. Have been in continuous operation as a professional fabric Tension Structure manufacturer for a minimum of ten (10) years prior to this contract.
 2. Hold a valid general contractor's license for a minimum of five (5) years.
 3. Welder Qualifications: The personnel manufacturing the metal awning frames must be certified welders.
 4. Provide written Welding Procedure Specifications.
 5. Professional Engineer Qualifications: A professional engineer who is legally authorized to practice in the jurisdiction where project is located and who is experienced in providing engineering services for installing Tensioned Fabric Structures similar to those indicated for this project and with a record of successful in service performance.
 6. Hold a current Approved Fabricator's license.
 7. OSHA 10 Hour Construction Industry Certified Training.
 8. OSHA Fall Protection Training.

9. Job site installation crew must include one CPR trained member on the job site at all times of the installation.
10. The installation crews must have a copy of the awning company's Code of Safety practices at the job site during times of installation.
11. Hold daily Safety Tail Gate Meetings before start of installation work.
12. When forklifts are used at the job site, the operator must be Fork Lift Operation Trained.
13. The Tensioned Fabric Structure fabricator must provide proof they have an ongoing written Quality Assurance program for 5 years or more.
14. The Tension Structure fabricator must provide proof of full-time Quality Assurance manager.
15. The Tension Structure manufacturer must provide proof of \$4 million general liability insurance coverage.
16. The Tension Structure manufacturer must provide proof of Worker's Compensation Insurance Coverage.
17. TFS Manufacturer is required to be a current member of a professional trade association, i.e., Lightweight Structures Association.
18. General contractors license in the state of Minnesota.
19. Vehicle insurance certification.

1.5 DESIGN

- A. The structural design shall comply with applicable codes and regulations.
- B. Design Engineering documentation of complete tensioned membrane structure will meet all applicable codes.
- C. The structure shall be designed in accordance with the IBC Building Code with the design wind speed to be as per local wind load requirements.
- D. Engineering:
 1. Based on the structural calculations as defined in this section, prepare structural design drawings defining the complete structure, precise interface geometry determination, reaction loads imposed on foundations, anchoring loads, connection details, interfaces and seam layouts.
2. Structural calculations for the fabric structure shall include:

- a. Large deflection numerical shape generation that will insure a stable, uniformly stressed, three dimensionally curved shape that is in static equilibrium with the internal prestress forces and is suitable to resist all applied loads.
- b. Large deflection finite element method structural analysis of the membrane system under all applicable wind, seismic and snow loads.
- c. Finite element method structural analysis of the support frame system.
- d. Member sizing calculations of all primary structural members.
- e. Connection design including bolt, weld and ancillary member sizing.
- f. Biaxial Fabric test specification, interpretation and fabric compensation determination.
- g. Accurate generation of the two dimensional compensated fabric templates required to generate the three dimensional equilibrium shapes.

1.6 REGULATORY REQUIREMENTS

- A. Conform to applicable code for fire resistance ratings for Tensioned Fabric Structure covering.
- B. Life Safety: All fabric structures shall be designed so no life safety issue is created in the event of a loss of the fabric. The structural support members shall not rely on the fabric for structural stability.

1.7 DELIVERY, STORAGE AND HANDLING

- A. Delivery and Storage: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer. Store materials in accordance with manufacturer's instructions, in a clean, dry, well ventilated area, above ground on blocking, and do not allow materials to become wet, stained, or dirty.
- B. Handling: Handle materials so as to protect materials, coatings, and finishes during transportation and installation to prevent damage or staining. Handle fabric in accordance with manufacturer's instructions. Use care in handling of fabric to avoid damage to fabric material and coating. Do not damage, crush, or kink cables where occurs.

PART 2 - PRODUCTS

2.1 ENVIRONMENTALLY PREFERABLE PRODUCTS

- A. Provide environmentally preferable products (EPP) to the greatest extent possible.
- B. Provide products and materials that promote stewardship of the earth's resources, promote good indoor environmental quality, and promote efficiencies in operational performance.
- C. EPP's include products that have low VOC content, high recycled content, and are manufactured, fabricated, or extracted within 500 miles of the construction site.

2.2 MATERIALS

A. APPROVED ARCHITECTURAL FABRIC MEMBRANE MATERIALS

- 1. PTFE (Polytetrafluoroethylene) coated Fiberglass
 - a. Base Fabric: Woven "EC6" glass.
 - b. Coating: PTFE.
 - c. Tensile Strength: as required by engineer
 - d. Combustibility: Non-combustible substrate when tested in accordance with ASTM E 136.
 - e. Intermittent Flaming: Class A, when tested in accordance with ASTM E 108.
 - f. Flame Spread: Class A, when tested in accordance with ASTM E 84.
 - g. Flame Retardancy: Passing NFPA 701.
 - h. Solar Transmission: 19 percent, minimum.
 - i. Seams: Welded, with sufficient strength to develop 90 percent of full strength of fabric
 - j. Expected Service Life: 20 to 25 years.
 - k. Color After Exposure to Sunlight: White.
 - l. Composition: Solid and water repellent
 - m. Neoprene gaskets will be used to protect PTFE against contact with metal components

B. ALUMINUM MEMBRANE PLATES AND CLAMPS.

- 1. Aluminum shall conform to alloy 6061-T6
- 2. All components will be welded or stamped with the appropriate part number in a manner that will still be visible after powder coating is applied.
- 3. The aluminum shall be polyester powder painted to a minimum of 3 mils.

C. CABLES AND END FITTINGS

- 1. Stainless Steel Cables and Fittings:

- a. Cables shall be 1x19 Stainless Steel Open Strands, Grade 316
- b. Cables and fittings will be fabricated per the standard operating procedures of the following manufacturers:

- Frontier Technologies
- Ronstan International or approved equal

- b. Attach a tag indicating the cable length and mark number to each cable assembly.
- c. The design load is the load in the cable under prestressed load condition per the recommendation of the engineer on record
- d. Cables shall be tensioned to double the design load before length is cut
- e. Cables shall be tensioned to the design load when measuring the cut length that is indicated on the shop drawings

D. BOLTS AND RELATED FASTENERS

- 1. Fasteners and hardware accessories shall be of types and sizes best suited for the purpose as recommended by the engineer on record.
- 2. Fasteners used on main structural members shall be hot-dipped galvanized high-strength bolts including nuts and washers, and conforming with ASTM A325 or A490 as applicable. All other fasteners shall be adequately sized and treated for corrosion protection.
- 3. Concrete anchor bolts shall conform to A307 and be Hot-dipped Galvanized.

2.3 FABRICATION

- A. In accordance with the approved manufacturer's standard procedures and to match approved samples.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General:

- 1. Installation as per manufacturers design, specifications and requirements

-- END--