

- All design, detailing, fabricating and construction shall conform to the following codes and specifications:
- The Florida Building Code (2023 8th Edition).
 - American Society of Testing and Materials (ASTM) specifications.
 - Building Code Requirements for Reinforced Concrete (ACI 318-(Current Edition))
 - Code for Welding in Building Construction of the American Welding Society (AWS) (Current Edition)
 - Specification for the Design, Fabrication and Erection of Structural Steel for Buildings by The American Institute of Steel Construction (AISC) (Current Edition)
- Concrete shall be $f_c=2500$ P.S.I. @ 28 days
Compressive Strength, Standard Weight (150 P.C.F.)
- Reinforcing Steel (If required)** shall be ASTM A-615 Grade 60 (Current Edition)
- all reinforcing steel shall be free from mud, oil, rust or coatings that would reduce or destroy bond.
 - all reinforcing bars shall be 10 diameters minimum, except as noted.
 - Minimum concrete cover on ties, stirrups and main bars shall be 3/4 inch for slab; and wall surfaces not exposed to weather or in contact with ground; 3 inches for reinforced surfaces deposited against the ground except as noted.
- Structural Material Specifications**
- Structural Steel and Plates shall be A-36
 - W-Shape beams shall be A-500 (F=50 ksi) Minimum
 - Structural tubing shall be ASTM A-500 Grade B, (F=46 ksi)
 - Structural piping shall be ASTM A-53, Grade B, Type E or S, (F=35 ksi), ASTM A572 Grade 42 (F=42 ksi) or ASTM A572 Grade 50 (F=50 ksi), unless otherwise noted.
(see drawing for individual member specifications).
- Anchor Bolts (If required)** shall be ASTM F-1554 Grade 36, unless otherwise noted.
- High strength bolts for connections shall be ASTM A-325, unless otherwise indicated.
- Welding electrodes shall comply with AWS D1.1-(Current Edition), E70xx
- Design Wind Speed= 119 MPH (FBC)
Equivalent Wind Load= 30.20 PSF @ 48" above the ground. (3 See Wind Gusts.)
- Exposure "C"
 $I_p=1.0$ G=0.85
- Soil Bearing Capacity Requirements:**
- Spread Footings shall be ≥ 1.0 P.S.F.
 - Cube or Auger Footing: Minimum Allowable Soil Bearing Capacity shall be $(\frac{10000}{I_p} - 2) \times NA$ P.S.F. per foot of depth.
(see [drawing for design Section 1003.14](#))
- Contractor shall verify all dimensions and conditions in the field before erection and notify the Engineer of any discrepancies.
- Spilling of piers having an equal diameter, wall and yield is permitted. Full penetration weld all around (per AWS D11) shall be used and must be performed by a certified welder. Splices shall not be within one half of the foundation depth below grade, within 10' above grade or within 10' above telescoping splices. Unless noted otherwise.
- The structure shown, as designed, is capable of supporting up to two (2) identical units weighing up to approximately 4,500# each.

NOTICE:

This drawing is for permit procurement purposes only and is for the sole use of T.E.S. and it's designees. Unauthorized use is strictly prohibited.

Selective Structures, LLC

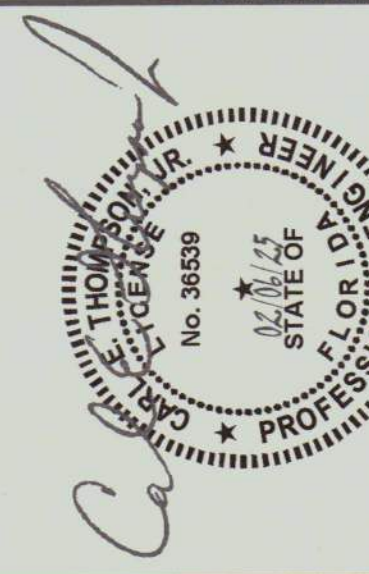
811 East Avenue
Athens, TN 37303

1'-6" x 36-0" 5'-6" PF, 14" O.S.V., 8'-0" Cant.
@ 48'-0" O.A.H.
w/Up to Two (2) 4,500# Digital Displays
Located @: 2494 W. US Hwy 90
Lake City, FL

CUT

CARL E. THOMPSON, JR., P.E.
Serving The Industry Since 1984
Phone: (423)781-6336 Email: carl@tesengr.com
P.O. Box 458, Madisonville, TN 37354

REVISIONS:



This item has been electronically signed and sealed by Carl E. Thompson, Jr., P.E. using a digital signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

