



PRESCOTT MODEL

(HEXAGON)

18'

SPECIFICATIONS

Dimensions:

Roof Dimensions, point to point	±17'-8"
Frame Dimensions	18'-0"
Minimum Clearance @ Eave	7'-2"
Roof Height @ Peak	±10'-6½"
Hip Roof	4:12 pitch
Square Feet Under Roof	±202

Columns shall be (3) 4" standard steel pipe.

All columns & beams shall be structural steel pipe sized according to engineering.

All bolts shall be button head.

Roofing shall be 24 gauge HR-36 steel pre-cut and pre-finished with ribs running with the slope of the roof.

Trim shall be 24 gauge pre-finished to match roofing.

Open or welded "C" channel, "I" beams, "S" or "Z" purlins or angle iron shall not be allowed.



STANDARD SPECIFICATIONS
w/ ZINC RICH PRIMER & TGIC POWDER COAT PAINT
& 110 mph WIND LOAD

GENERAL:

1. All structures shall be designed and fabricated to the IBC (Latest Edition) with standard load designs of 20# per S.F. minimum live load, 110 mph sustained wind load and the applicable zone for seismic loads.
2. All members shall be designed according to the "American Institute of Steel Construction (AISC) specifications and the American Iron and Steel Institute (AISI) specifications for cold-formed members.
3. All fabrication welds shall be in strict accordance with the structural welding code of the American Welding Society (AWS) specifications. All structural welds shall be in compliance with the requirements of "Pre-qualified" welded joints. All welding shall conform to ASTM A-233 series E-70XX electrodes - low hydrogen.
Field welding shall not be required.
4. When required, after award of bid, the shade structure manufacturer shall submit structural calculations, sealed by a registered engineer in the state in which the structure is to be erected for review and approval by the approving agency.
5. Manufacturer qualifications: All manufacturers shall have a minimum of 5 years experience in the fabrication of tubular steel shade structures. Shade structure and kiosk fabrication shall be the manufacturer's primary business. Manufacturer shall have fabricated similar structures to that which is specified. All non-specified manufacturers shall submit complete shop drawings indicating type, size & gauge of material used, with detailed connections to the specifying agency or design firm at least 10 days prior to bid opening for review and written pre-approval. All bids submitted without prior approval will be rejected.

FOOTINGS & COLUMNS:

1. Footings shall be structurally engineered by the structure manufacturer to meet local codes and site conditions. (Sample footing drawings shall be made available to the contractor or owner from the manufacturer). Anchor bolts for surface mounted structures shall be supplied by the owner / contractor. Columns shall be ASTM 500 grade B. Concrete footing rebar (if required) shall be ASTM A-615 grade 40 #4 bars & smaller, grade 60 #5 bars & larger. Concrete shall be 5 sack mix "Portland" cement. Maximum slump shall not exceed 4". Compressive strength: 2500 psi @ 28 days.

FRAME MEMBERS AND COMPRESSION RING:

1. All frame members shall be one piece structural steel tube with a minimum .120 (1/8") wall thickness, sized according to engineering. All frame members shall be bolted together with bolts totally concealed. Compression rings shall be fabricated from



structural steel tube, or flat plate steel and shall have all connections concealed from view. All tubing for frame members shall be ASTM 500 grade B. Beam end plates shall be ASTM A36 $f_y=36,000$ psi UNO. Bolts shall be A 325's unless noted otherwise. *"I" beams, Angle iron, "C", "Z" or "S" purlins or beams, open or closed, shall not be allowed.*

ROOFING:

1. All roofing shall be 24 gauge Zincalume / Galvalume coated steel panels, ICBO #ER-2757. "HR-36" panels shall be 36" wide with 1½" high ribs @ 7.2" o.c. All roofing shall be pre-finished with PVF2 (Polyvinylidene Fluoride) Kynar 500. All roof panels shall be pre-cut with ribs running with the slope of the roof. Roof fascia trim shall be 24 gauge Zincalume / Galvalume coated pre-finished to match the roof color. Screws & rivets shall match roof color. All roofing shall be 24 gauge Zincalume / Galvalume coated steel panels.

PAINT:

1. All frame members shall be sand blasted to a white finish removing all rust, scale, oil and grease. Powder coat all frame members with zinc rich primer and TGIC polyester, min. 4-5 mil finish. Finish shall be a smooth uniform surface with no pits, runs or sags.

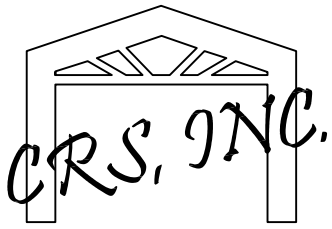
ERECTION:

1. Manufacturer shall supply complete layout and detail plans with installation instructions for the structure. The structure shall be erected in a work-man-like manner with framing, roofing and trim installed according to the manufacturer's installation instructions. Care shall be taken to avoid damaging the structure during installation.

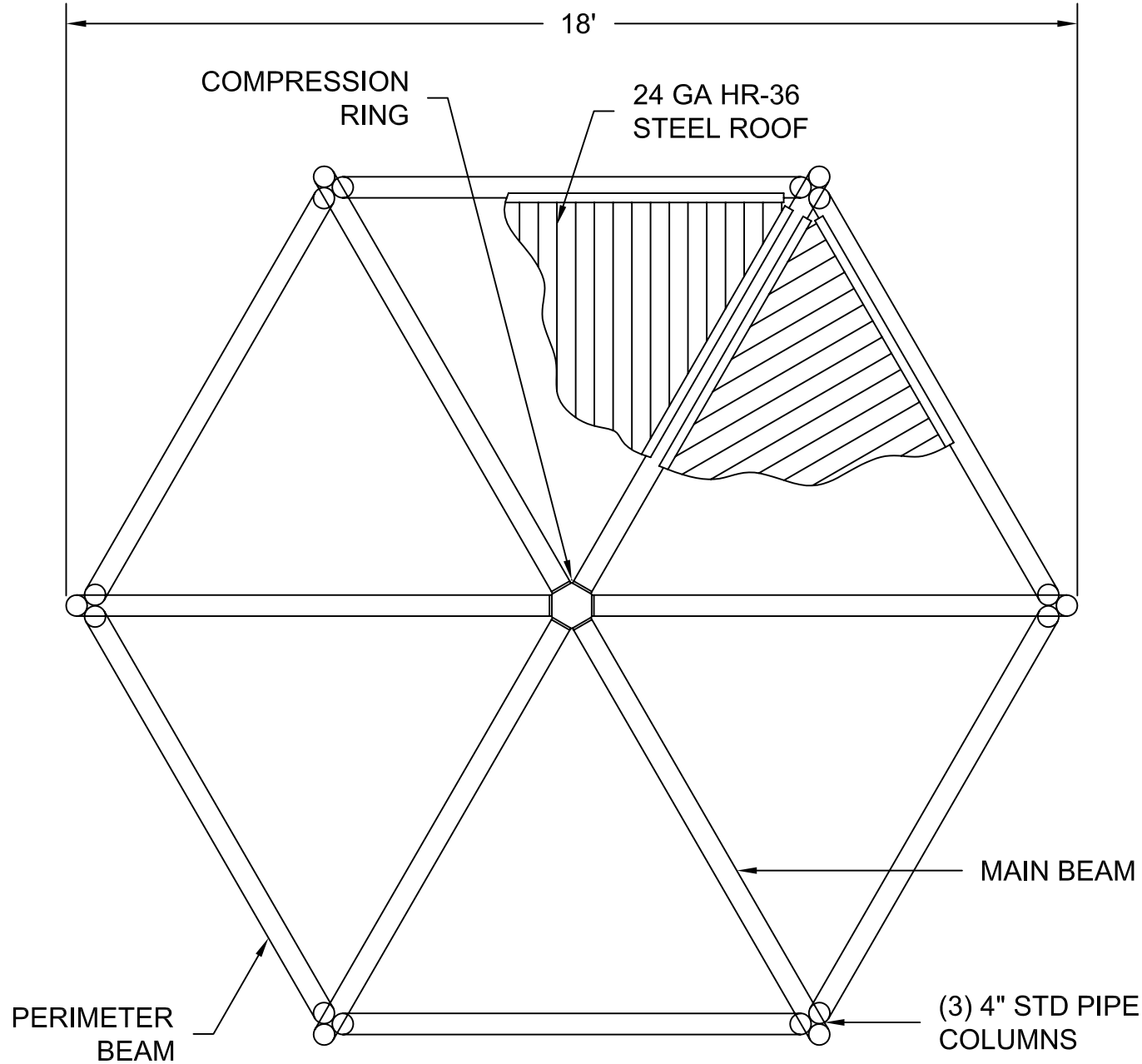
WARRANTEE:

1. Manufacturer shall warranty the structure to be free from defects in material and workmanship for a period of (5) five years from date of acceptance by owner. Warranty does not include damage from theft, fire, vandalism or acts of God. Manufacturer shall repair or replace structure components of like kind at his option, to match existing material and workmanship.

NOTE: Engineering specifications take precedence over drawings if differences occur.



NOT FOR CONSTRUCTION

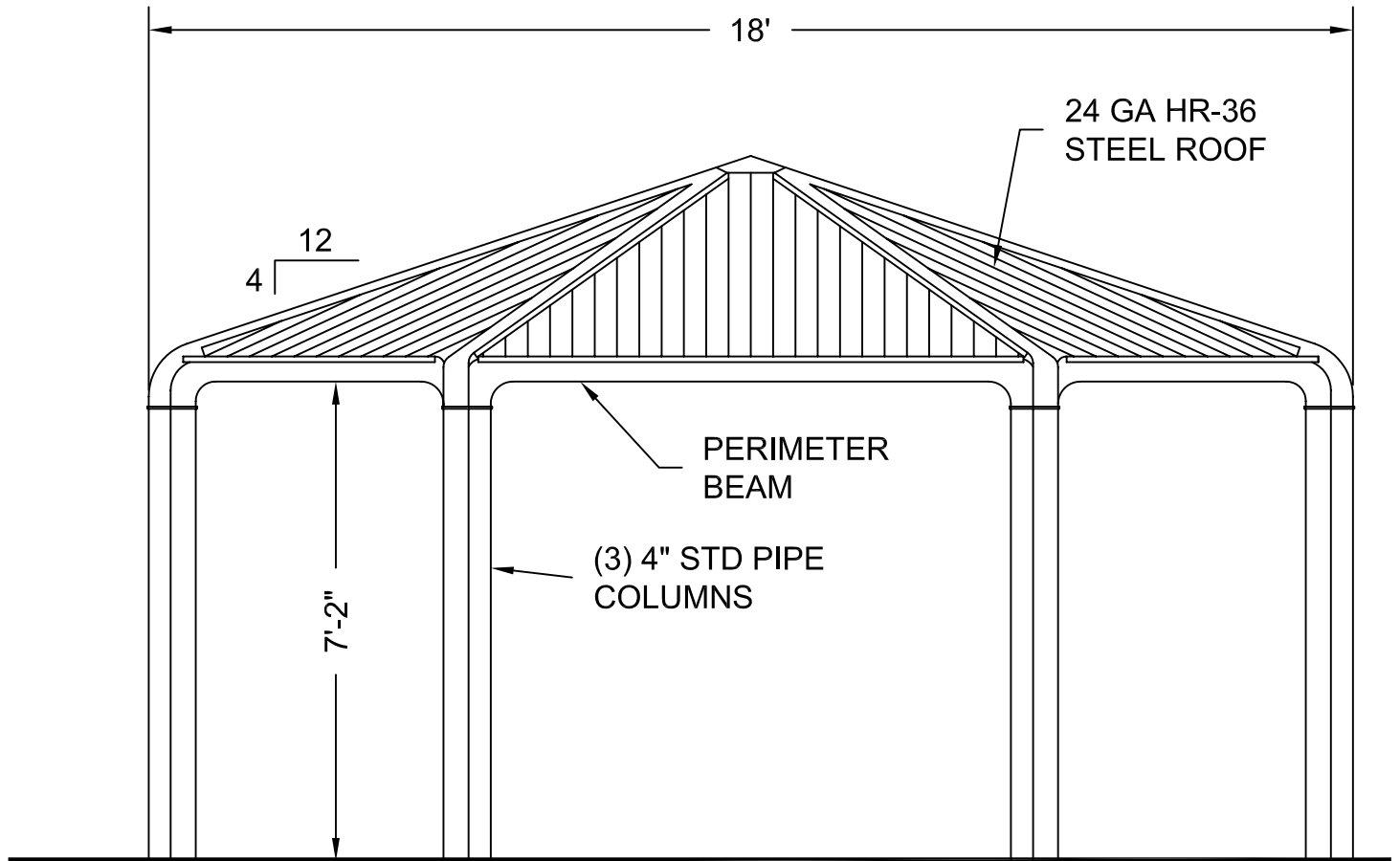


PLAN VIEW 18' PRESCOTT MODEL

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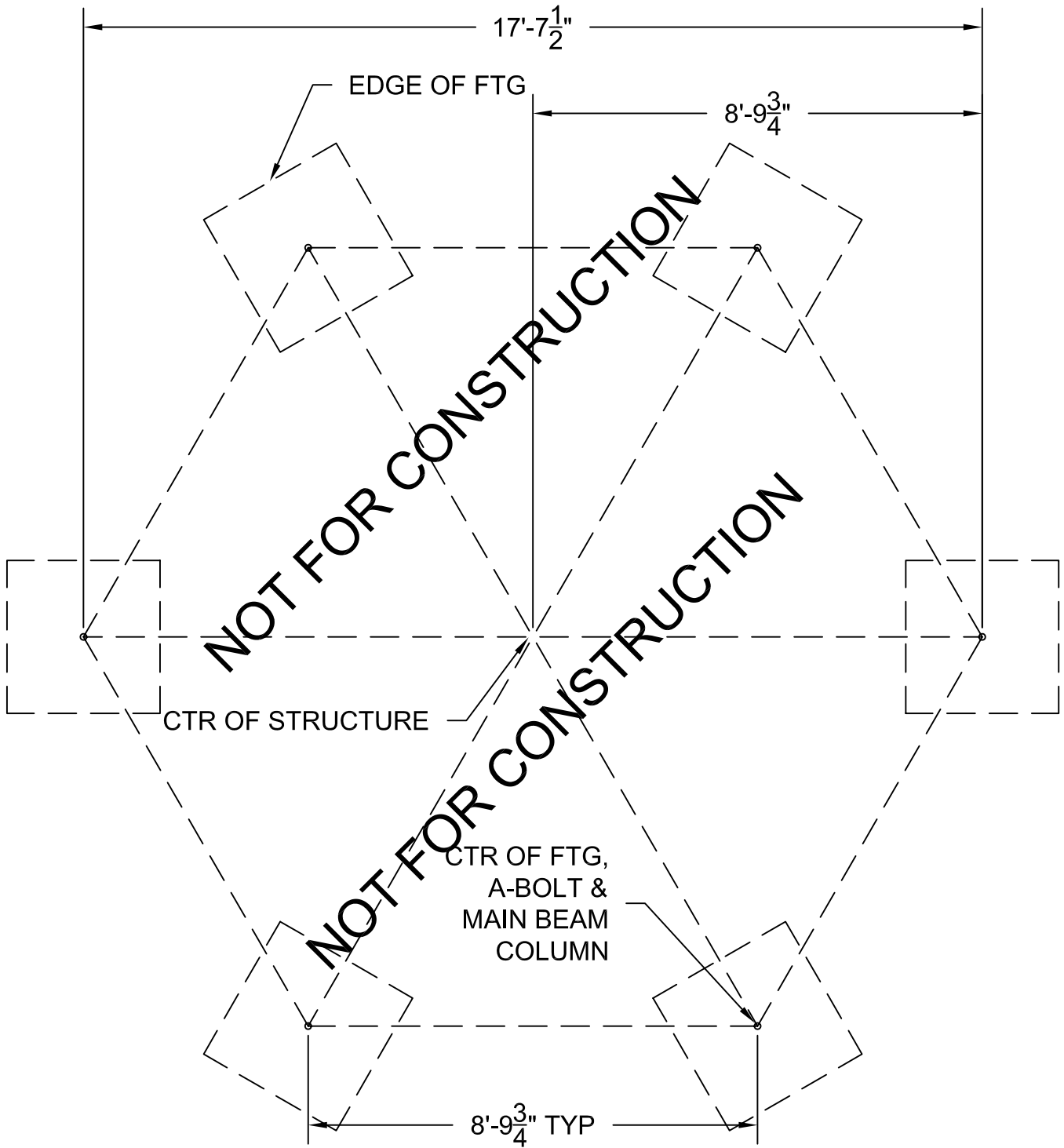


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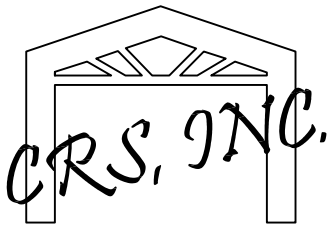
ELEVATION 18' PRESCOTT MODEL

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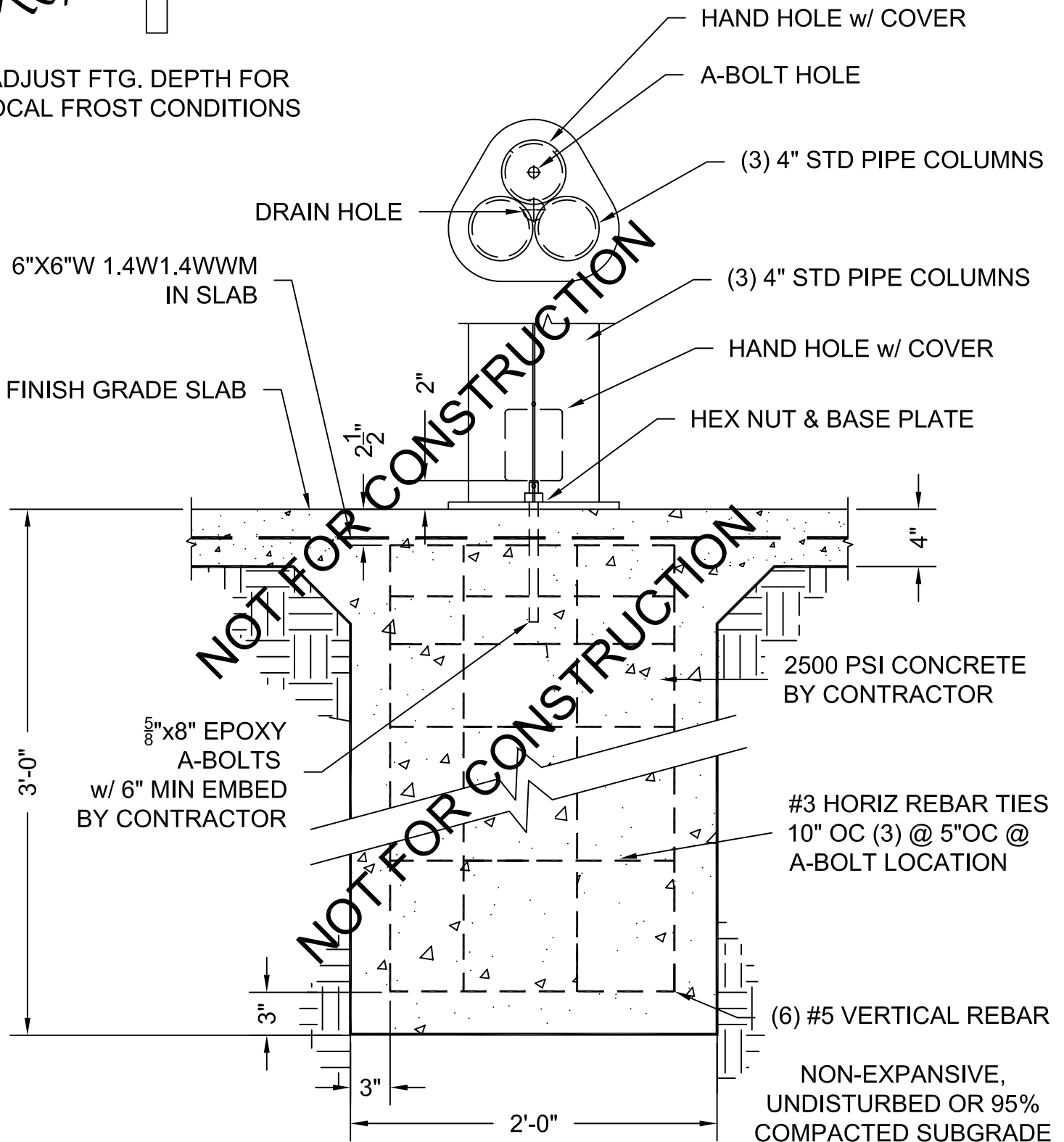
LAYOUT PLAN 18' PRESCOTT MODEL

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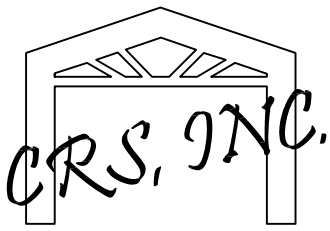
NOTE: FOR ILLUSTRATION ONLY!!
FOOTING SIZE MAY CHANGE W/
STRUCTURAL ENGINEERING

ADJUST FTG. DEPTH FOR
LOCAL FROST CONDITIONS



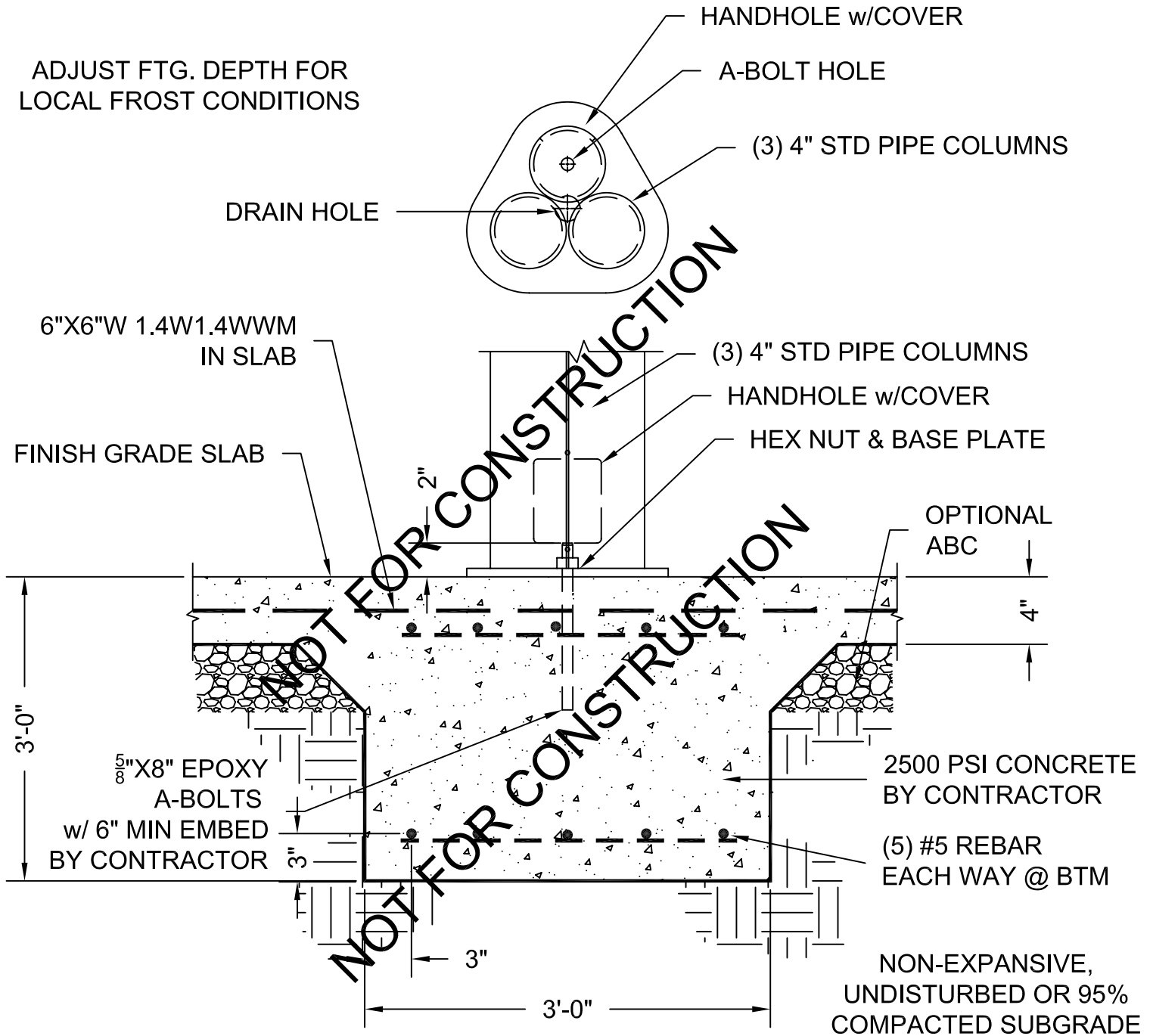
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18' PRESCOTT MODEL

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NOTE: FOR ILLUSTRATION ONLY!!
FOOTING SIZE MAY CHANGE W/
STRUCTRURAL ENGINEERING

ADJUST FTG. DEPTH FOR
LOCAL FROST CONDITIONS



INTEGRAL POUR SPREAD FOOTING DETAIL
18' PRESCOTT MODEL

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