COORDINATION:

A. Changes affecting the layout shown must be specific and clearly conveyed to GreenWorks Engineering and Consulting in written form as a change for inclusion into these plans. Contractor and/or client shall verify all dimensions and layout prior to construction. All dimensions on structural drawings shall be checked against architectural drawings and any discrepancies shall be brought to the attention of the Architect and Engineer immediately. Refer to mechanical, electrical and architectural drawings for openings not shown on structural drawings.

B. These construction documents were prepared with information about the existing building provided from field measurements of the as-built building taken by personnel of GreenWorks Engineering and Consulting on December 9, 2019. If the contractor discovers existing conditions which vary from those shown on these documents he shall notify GreenWorks Engineering and Consulting immediately for guidance on necessary changes to be made.

C. All temporary shoring shall be the responsibility of the contractor.

D. Design is void after two years from original date of issue, unless updated to acceptable codes and practices at that time.

STRUCTURAL STEEL:

A. Structural steel, including cast in angles, plates or other sections shall be detailed and erected in accordance with the American Institute of Steel Construction (AISC) Specifications and Code of Standard Practice, latest edition.

B. All wide flange and channel structural steel shall conform to ASTM A992. All HSS members shall conform to ASTM A500, Grade-B. Pipe columns shall conform to ASTM A53, Grade-B. All other structural shapes and miscellaneous steel shall conform to ASTM A36 unless otherwise noted.

C. Column base plates shall be set on 1 1/2" non-shrink high density grout with a minimum of (4) 5/8"Ø anchor bolts, unless noted otherwise.

D. Shop connections shall be welded with E70xx electrodes and ground smooth where exposed. Field connections shall be made with bolts conforming to ASTM A325N unless otherwise noted. Field welds shall be made with E70xx electrodes. All welding shall be in accordance with AWS "Structural Welding Code", latest edition and performed by certified, licensed welder.

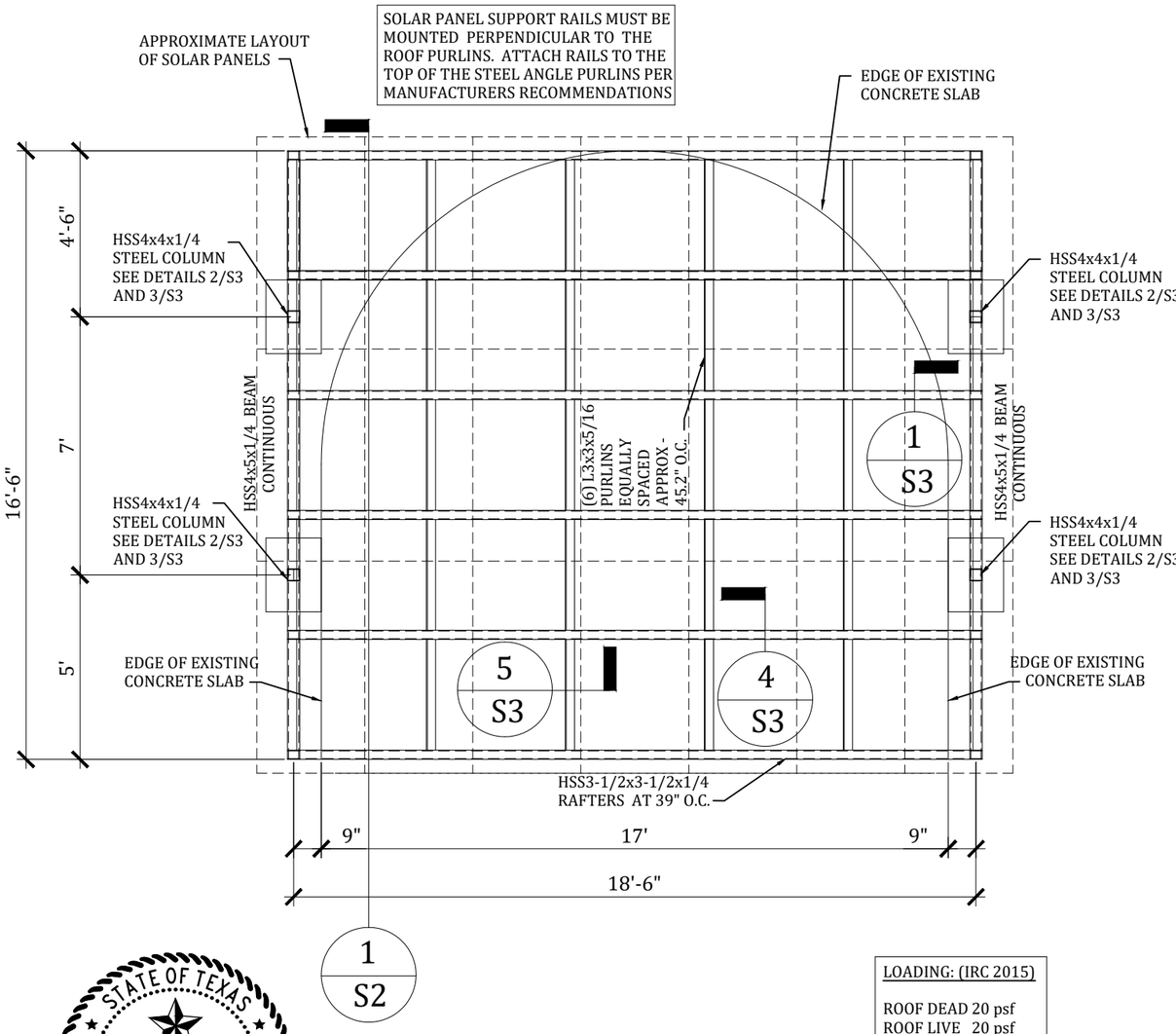
E. All beam connections not detailed on the drawings shall be standard framed beam connections as shown in Table II and III of the AISC "Manual of Steel Construction", latest edition, designed to carry the full capacity of the uniformly loaded member, unless noted otherwise.

F. Headed stud anchors shall conform to AWS D1.1 and shall be automatically end welded.

G. Steel stairs to be detailed and designed by others unless noted otherwise. Stair detailer shall provide shop drawings and calculations prepared and stamped by a structural engineer registered in the state of Texas, for review by the Engineer of Record to verify they conform to the requirements of the basic structure. Fabrication shall not proceed until completion of shop drawing review by the Engineer of Record.

H. All exposed structural steel shall be hot dipped galvanized.

I. Field Quality Control: Inspect in accordance with AISC specifications. Materials engineer shall visually inspect all field welded connections and visually inspect all bolted connections to ascertain that all welds, bolts, nuts and required washers have been installed and are of proper type and that all facing surfaces have been brought into snug contact.



02/06/2020

FRAMING PLAN

$\frac{1}{4}$" = 1'-0"

LOADING: (IRC 2015)

ROOF DEAD 20 psf
ROOF LIVE 20 psf
ROOF SNOW 5 psf

WIND ULT 115 mph
EXPOSURE C
RISK CAT II

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Texas Eng. Firm : 20170

CARPORT

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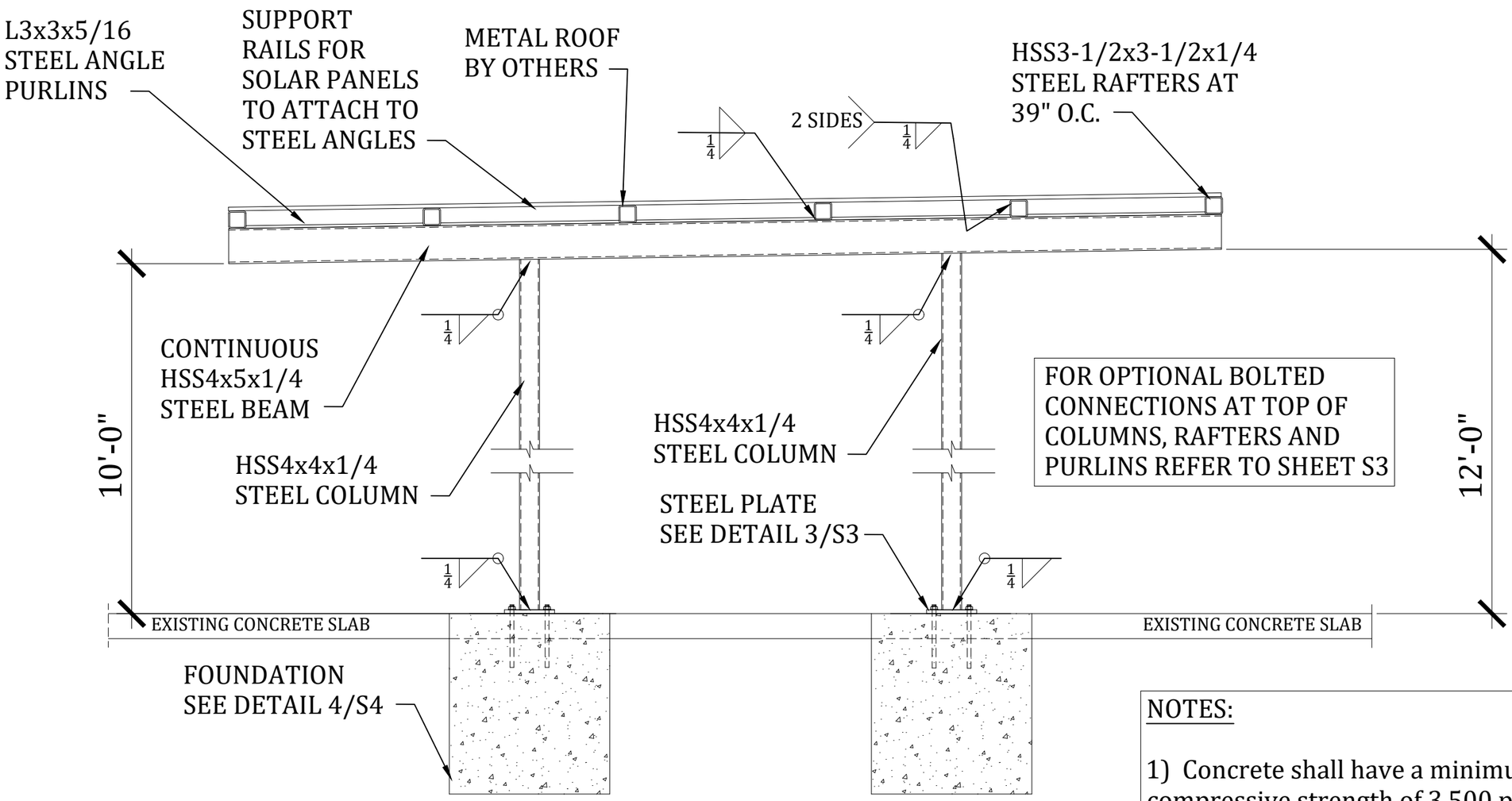
S1

OF: 4



FOR OPTIONAL BOLTED CONNECTIONS AT TOP OF COLUMNS, RAFTERS AND PURLINS REFER TO SHEET S3

STATE OF TEXAS
TODD E ALEXANDER
131894
LICENSED
PROFESSIONAL ENGINEER

02/06/2020

SECTION - 1

1/2" = 1'-0"

NOTES:

1) Concrete shall have a minimum 28 day compressive strength of 3,500 psi

2) All #4 reinforcing shall be grade 60

3) All #3 reinforcing shall be grade 40

4) Foundation design is based on a non-expansive soil with a minimum bearing capacity of 1500 psf.

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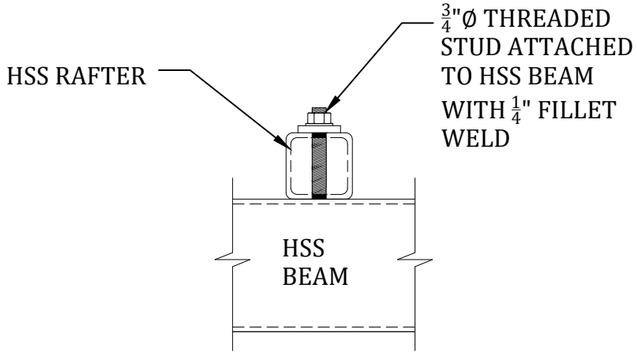
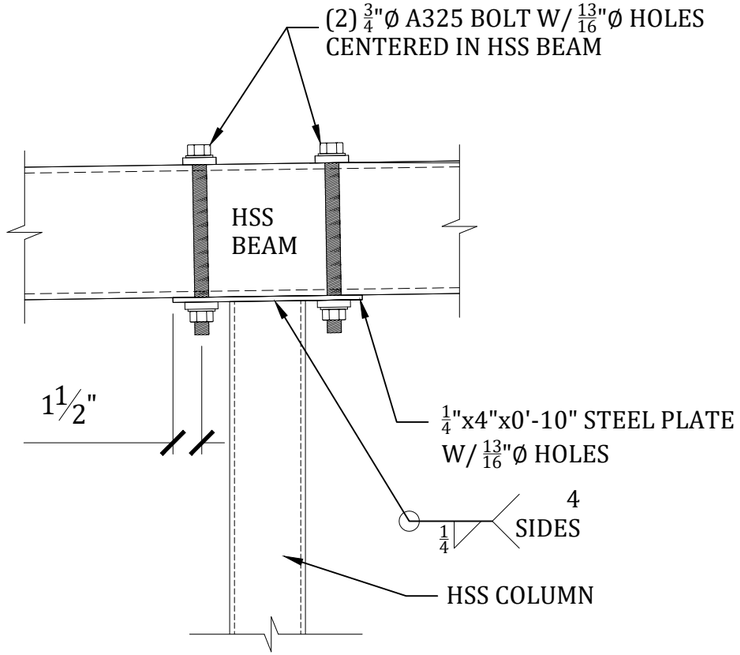


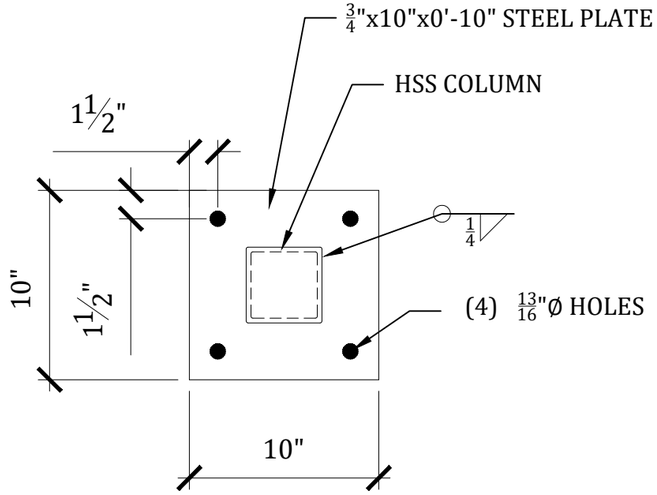
DETAIL -1

1-$\frac{1}{2}$" = 1'-0"



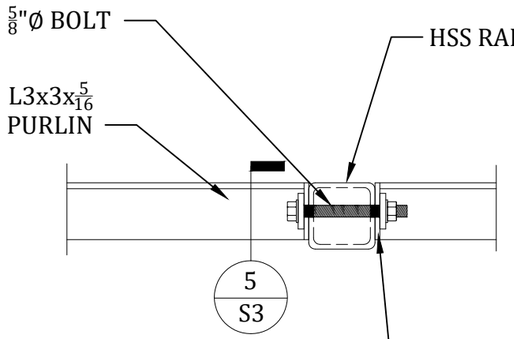
DETAIL - 2

1-$\frac{1}{2}$" = 1'-0"



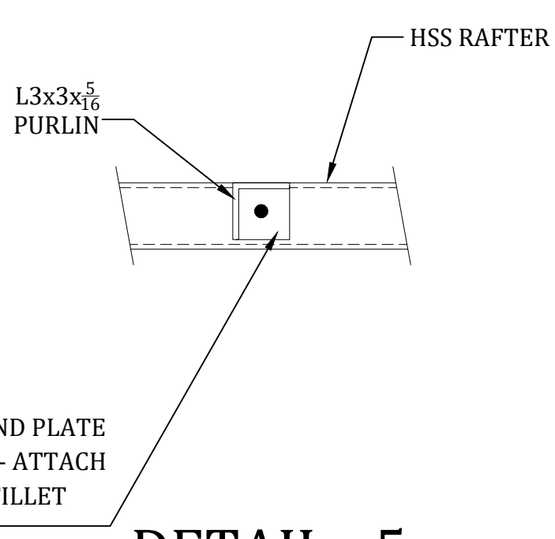
DETAIL - 3

1-$\frac{1}{2}$" = 1'-0"



DETAIL - 4

1-$\frac{1}{2}$" = 1'-0"



DETAIL - 5

1-$\frac{1}{2}$" = 1'-0"

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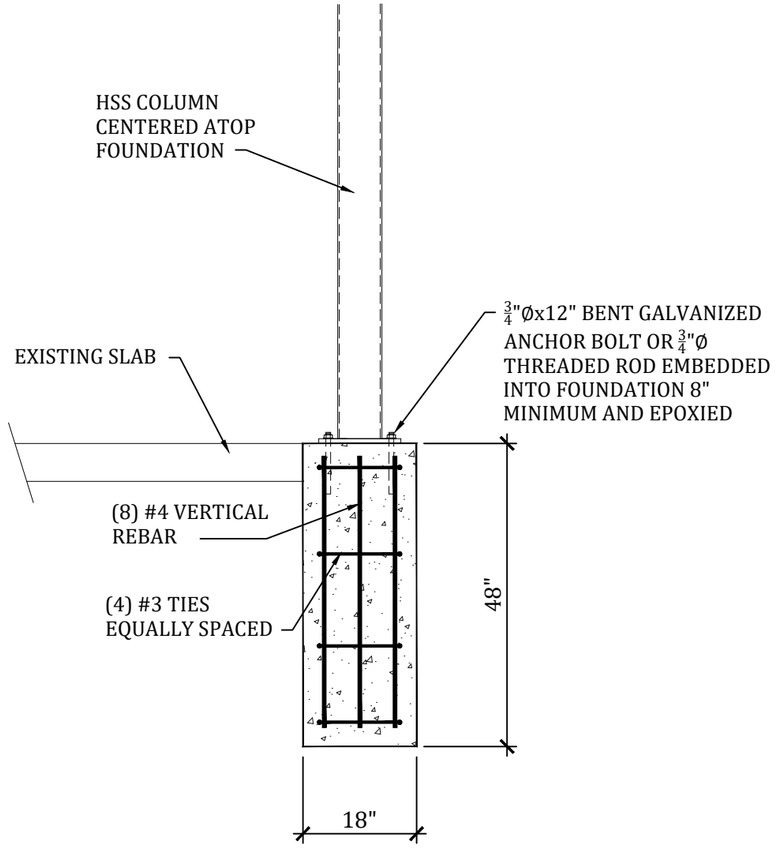
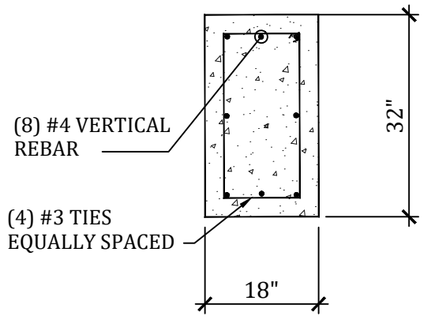


SIDE VIEW



TOP VIEW

DETAIL - 4

½" = 1'-0"

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