

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>			1. CONTRACT ID CODE	PAGE 1 OF 10 PAGES
2. AMENDMENT/MODIFICATION NO. AMENDMENT NO. 0002		3. EFFECTIVE DATE 01/19/12	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable) 11-0079
6. ISSUED BY CODE		jsy	7. ADMINISTERED BY (If other than Item 6) CODE See Item 6	
Officer in Charge of Construction MCI-East 1005 Michael Road Camp Lejeune, NC 28547-2521				
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)			(X)	9A. AMENDMENT OF SOLICITATION NO. N40085-11-R-0079
			X	9B. DATED (SEE ITEM 11) 12/20/11
				10A. MODIFICATION OF CONTRACT/ORDER NO.
				10B. DATED (SEE ITEM 11)
CODE	FACILITY CODE			

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  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 \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted;  
 or (c) By separate letter or telegram 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 your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION 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  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

11-0079, Install Modular Buildings at Onslow Beach, Phase VI

SEE CONTINUATION SHEET

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)	
15B. CONTRACTOR/OFFEROR		16B. UNITED STATES OF AMERICA	
15C. DATE SIGNED		16C. DATE SIGNED	
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

**CONTINUATION SHEET**

**1 Question:** I need plans & specs from manufacturer of modular units.

**1 Answer:** See attached drawings, (pages 8 through 10).

**2 Question:** I need to know about the roof on the office building - if they are on frame or off frame units, how much each section weighs.

**2 Answer:** All work associated with Office building is omitted from this contract.

**3 Question:** I also need to know what size HVAC unit they call for plus what seer rating"

**3 Answer:** HVAC unit will be provided by modular building manufacturer.

**4 Question:** Please provide shop drawings of modular units to be provided by government.

**4 Answer:** See attached drawings, (pages 8 through 10).

**5 Question:** Please verify water line size, whether ¾" or 1"

**5 Answer:** ALL LATERAL WATER LINE TAPS SHALL BE ¾".

**6 Question:** With reference to sheet S1, confirm the joist framing indicated, 2x10 and 2x12 16" OC on details 2 and 3. These framing details differ significantly from previous phases 1 -4.

**6 Answer:** Yes secondary substructure has been modified such that only it consists of the double girders on the perimeter and the triple girders interior bearing directly on the piles.

**7 Question:** Provide details and requirements for connecting units to framing.

**7 Answer:** See attached Amended S1 Dwg for Clarification.

**8 Question:** Can you give any information pertaining to the manufacture of the modular buildings for this project.

**8 Answer:** See attached drawings, (pages 8 through 10).

**9 Question:** Will the units be in one piece or have to be put together.

**9 Answer:** Units will need to be assembled.

**10 Question:** What is the required overall length and depth below grade for the 8X8T Pilings?

**10 Answer:** 18' minimum

**11 Question:** What is the required treatment for the 6X6T and 8X8T wood pilings?

**11 Answer:** 0.80 CCA, See sheet S-1, left side of sheet under "General Notes".

**12 Question:** What is the required treatment for the dimensional treated wood framing? Treated Plywood?

**12 Answer:** 0.60 ACQ, See sheet S1.

**13 Question:** Earlier phases of this work had the wood (3) 2x10 and (3) 2x12 Girders framed perpendicular to the main framing elements of the Modular Building. The details on this project have the girders running parallel, they will not directly support the modular building unit's main framing. Is the layout shown correct?

**13 Answer:** See Question 6

**14 Question:** If girder layout is confirmed as correct, is would appear that the 2 X 10 and 2 X 12 floor joists support the units. What size floor joists are required for the standard style units as none are indicated on the drawing.

**14 Answer:** Floor joists shown are that of the modular unit. No additional joists are required.

**15 Question:** Is there Voice/Data Cabling in this construction phase? There are spec's for the V/D cabling but nothing on the drawings about it.

**15 Answer:** No, there is no voice/data cabling in this contract

**16 Question:** Depth of foundation piles is 8'x8' driven pile typical for a house support (8'). What is the typical for this particular site? Ramp section requires 10'0" minimum for the ramps.

**16 Answer:** 10' minimum for all piles

**17 Question:** Will units be delivered by others, adjacent to the foundation piles allowing units to be picked up with the crane?

**17 Answer:** Trailers will be delivered to site.

**18 Question:** Will units be delivered allowing for one setup and crane mobilization?

**18 Answer:** Yes.

**19 Question:** Will foreign soils be allowed to be brought in for grading?

**19 Answer:** No foreign soils will be allowed to be brought in for grading.

**20 Question:** Will the office trailer be setup allowing the contractor to work on all five cottages simultaneously?

**20 Answer:** All work associated with Office building is omitted from this contract.

**21 Question:** C-4 states the office trailer will be placed by others. Is the contractor required to install piles?

**21 Answer:** Office trailer has been omitted from this contract. No pile installation is required.

**22 Question:** Please provide elevations from grade for each unit.

**22 Answer:** Elevations of new units will match those of existing surrounding units.

**23 Question:** Please provide the weight of each unit.

**23 Answer:** See unit specifications provided.

**24 Question:** Please clarify what material will be shipped with the unit to be used in setup and trim out (lag plywood, framing materials, shingles, paper, fascia, drip edge, etc.).

**24 Answer:** All materials necessary for complete trailer unit will be provided.

**25 Question:** Will the units need to be positioned by the contractor to be picked up by crane?

**25 Answer:** Units will be delivered to each site so they can be picked up by the crane.

**26 Question:** Please provide diagrams and instructions from the manufacturer of the modular units showing requirements and procedures for setup of the units. Need details for tying in the mechanical, electrical and plumbing.

**26 Answer:** See attached drawings, (pages 8 through 10).

**27 Question:** What is the minimum penetration the pilings are to have?

**27 Answer:** 10' see 7/S1

**28 Question:** What is the tonnage per piling?

**28 Answer:** Osprey Exterior 8x8 – 4 tons, Interior – 10 tons  
6x6 – 3 tons

**29 Question:** Will auguring a hole and then driving to tonnage be permitted? Beach sand is tough to work with and this will help with breakage, especially when installing the 6x6's.

**29 Answer:** Yes.

**30 Question:** On sheet C-1, C-2, C-3 and C-4, there are no line sizes shown on the existing water and sewer line. Please provide line sizes for the existing water and sewer lines to be connected to on each drawing.

**30 Answer:** Existing Gravity Sewer Main is 8" and Existing Water Main is 2".

**31 Question:** On sheet C-1, C-2 and C-3, note D states provide a 3" gate valve at each new trailer while note C states provide ¾" sch 40 pvc water service to units. Should this valve be ¾" or is not C incorrect?

**31 Answer:** SEE NOTE E. ON SHEETS C-1, C-2, C-3. ¾" VALVE SHALL BE USED.

**32 Question:** On sheet C-1, in front of existing building BA262 there is a note C by the existing water line. Is there any work to be done on the water line around building BA262.

**32 Answer:** NO. DISREGARD THE NOTE C LABEL IN FRONT OF BA262.

**33 Question:** On sheet C-4, the two water lines shown going to the office trailer are shown as existing water lines as per legend, but have a note D, which indicates new gate valves before it goes under the office trailer. Should these two water lines be shown as new water lines or are they existing water lines?

**33 Answer:** WATER LINES ARE EXISTING UPSTREAM OF GATE VALVES. REPLACE GATES PER PLANS AND ANY WATER SERVICE DOWNSTREAM OF NEW GATE VALVES.

**34 Question:** On sheet C-4, note D states provide 3" gate valve at each new trailer but there are no line sizes of existing or new water service lines. Please provide lines sizes and gate valve sizes for the service lines to the office trailer.

**34 Answer:** ALL SERVICE TAPS TO BE ¾" WITH ¾" GATE VALVES.

**35 Question:** The notes on the drawings indicate requirements for framing lumber to be treated in some places, but not all details indicate treated lumber. Existing units have all the lumber exposed to the weather provided as treated. Is all the new lumber to be treated Wood including lattice?

**35 Answer:** Yes. See S1 for Preservation Requirements

**36 Question:** The lumber treatment for all lumber other than the pilings is .60 ACQ shown on sheet S-1. Is .40 ACQ acceptable on this project?

**36 Answer:** No, 0.60 ACQ or higher required for Salt Water Splash Above Ground per Southern Pine Council.

**37 Question:** Regarding Dwgs S-1 & S-2, The General Notes on S-1 require that wood framing members (other than piles) to be treated as 0.60 ACQ. Our material supplier advises that treated wood subject to human contact is required not to exceed treatment of 0.31 ACQ. Section 061000-1.7.a of the GMACC master specifications contains requirements for preservative treatment for above ground use at 0.25 pcf. Please review this apparent conflict and provide direction as to the preservative treatment requirements for all the exterior wood materials being provided.

**37 Answer:** The notes as provided on S1 are correct. The Southern Pine Council requires a minimum of 0.60 ACQ for Salt water Splash/Ground Contact Applications. 0.60 CCA and 0.31 CA-C are also acceptable.

**38.** On RFP (Request for Proposals) dated 20 December 2011, **DELETE** Contract Completion Date of 180 days. **REPLACE** with the following statement: The CCD (Contract Completion Date) is 23 May 2012.

**GENERAL NOTES:**

**GENERAL:** ALL NOTES ARE FOR SUPPLEMENTING THE PLANS AND SPECIFICATIONS AND ARE IN NO WAY TO BE CONSIDERED AS EXCLUDING ANY ITEM IN THEM.

**CONTRACTOR TO OBTAIN ALL MISC. UTILITIES AND UTILITY CLEARANCES AND EXCAVATION PERMITS.**

**CODE:** DESIGN AND CONSTRUCTION TO BE IN ACCORD WITH THE UNITED FACILITIES CRITERIA (UFC) AND THE PARTICULAR CODES AS REFERENCED IN UFC.

**DESIGN CRITERIA PER AASHTO:**  
 FLOOR LIVE LOAD: 40 PSF  
 DECK LIVE LOAD: 40 PSF  
 ROOF LIVE LOAD: 20 PSF  
 DEAD LOAD: 20 PSF  
 SNOW LOAD: 15 PSF  
 WIND SPEED: 130 MPH

**FOUNDATION:** EXCAVATION AND PILING INSTALLATION SHOULD BE SUPERVISED AND APPROVED BY PWD

**CONCRETE:** ALL REINFORCED CONCRETE TO HAVE A COMPRESSIVE STRENGTH (F<sub>c</sub>) OF 3000 PSI, IN ACCORDANCE WITH NCDOT CLASS A MIX SPECIFICATIONS.

**EXPOSED CONCRETE SHALL BE AIR-ENTRAINED.**

**REINFORCING STEEL:** ASTM A615 GRADE 60.

**WOOD:** ALL WOOD TO BE SOUTHERN YELLOW PINE (SYP) NO. 2 OR HIGHER.

**ALL FASTENERS AND HANGERS TO BE STAINLESS STEEL ASTM A316.**

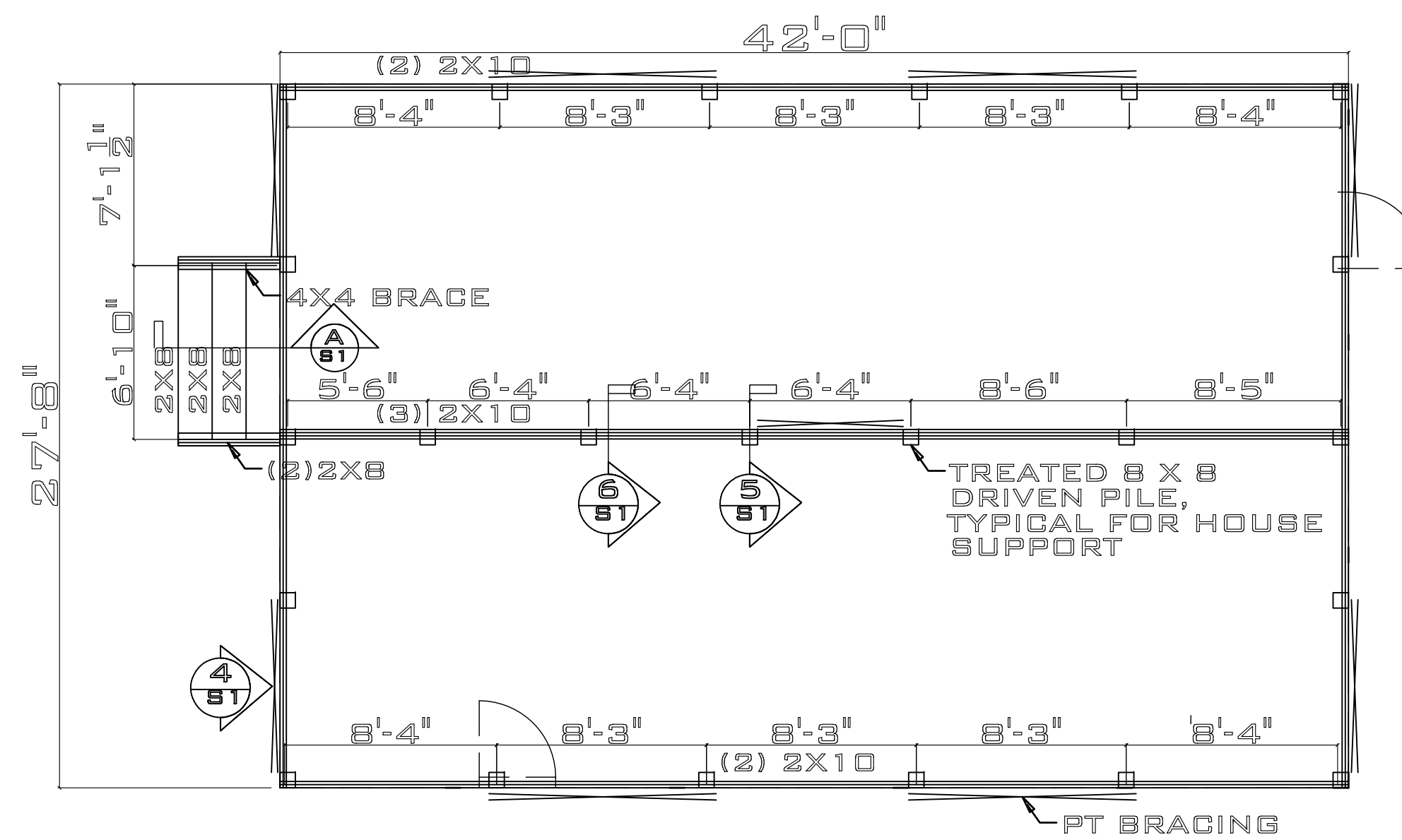
**FASTEN JOIST HANGERS PER MANUFACTURER'S SPECIFICATIONS.**

**PRESERVATIVE PRESSURE TREATMENT TO BE IN ACCORDANCE WITH AWPA STANDARD M4-06 & U1-07. MINIMUM PRESERVATIVE RETENTION REQUIREMENTS:**

PILES: 0.80 CCA  
 ALL OTHER WOOD MEMBERS: 0.60 ACQ

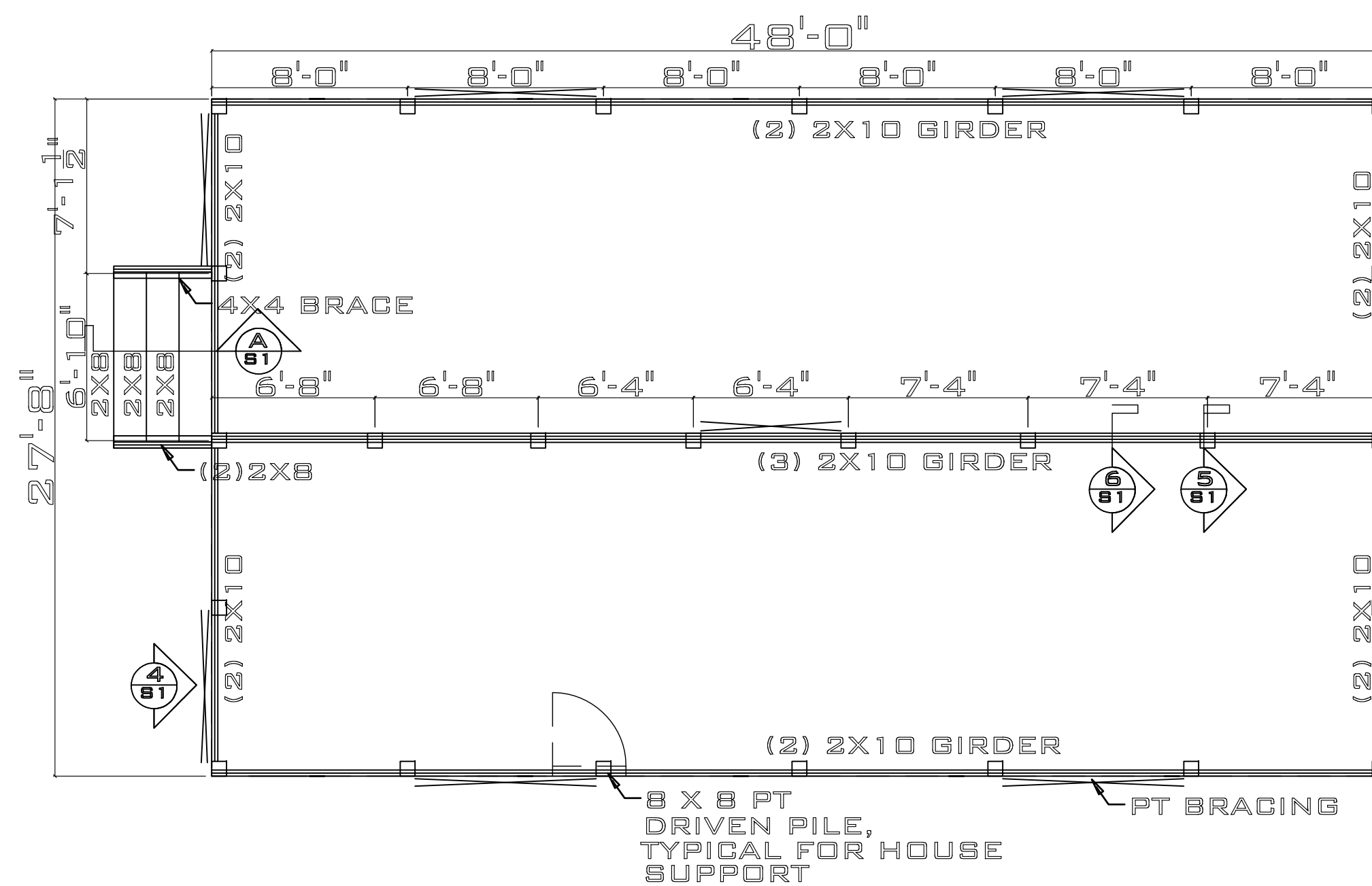
**WHEEL CHAIR LIFT SPECIFICATIONS:** TRUS-T-LIFT 120" LIFT OR EQUIVALENT

**ALL UNITS TO HAVE SIMILAR APPEARANCE AS EXISTING OSPREY UNITS INCLUDING BUT NOT LIMITED TO LATTICE AT FIRST FLOOR**



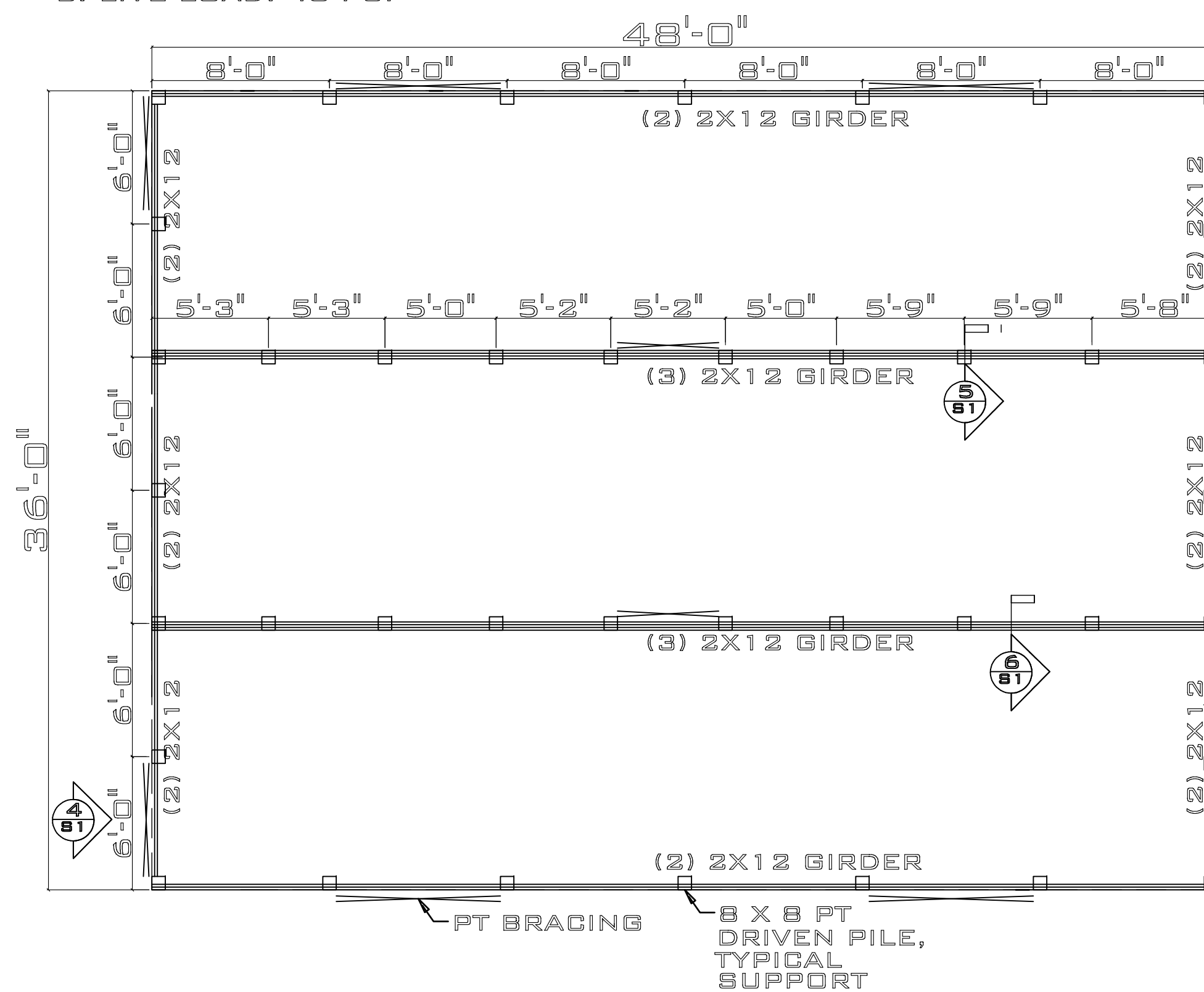
**1 PILING LAYOUT/ FRAMING PLAN STANDARD**

**SCALE: 3/16" = 1' - 0"**  
 NOTE: LIVE LOAD: 40 PSF



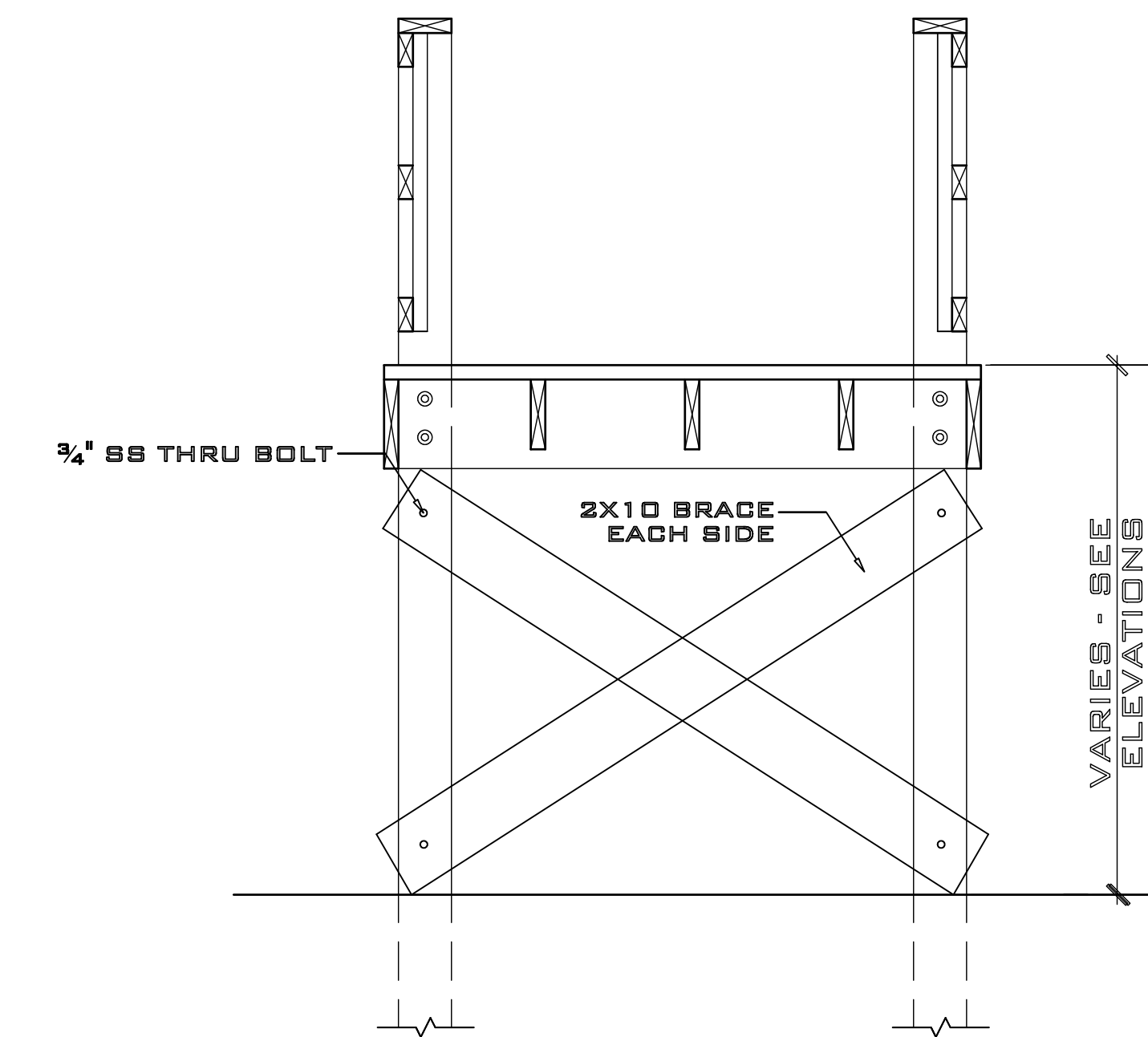
**2 PILING LAYOUT/ FRAMING PLAN ADA UNIT**

**SCALE: 3/16" = 1' - 0"**  
 NOTES:  
 1. SEE S2 FOR RAMP LAYOUT  
 2. LIVE LOAD: 40 PSF

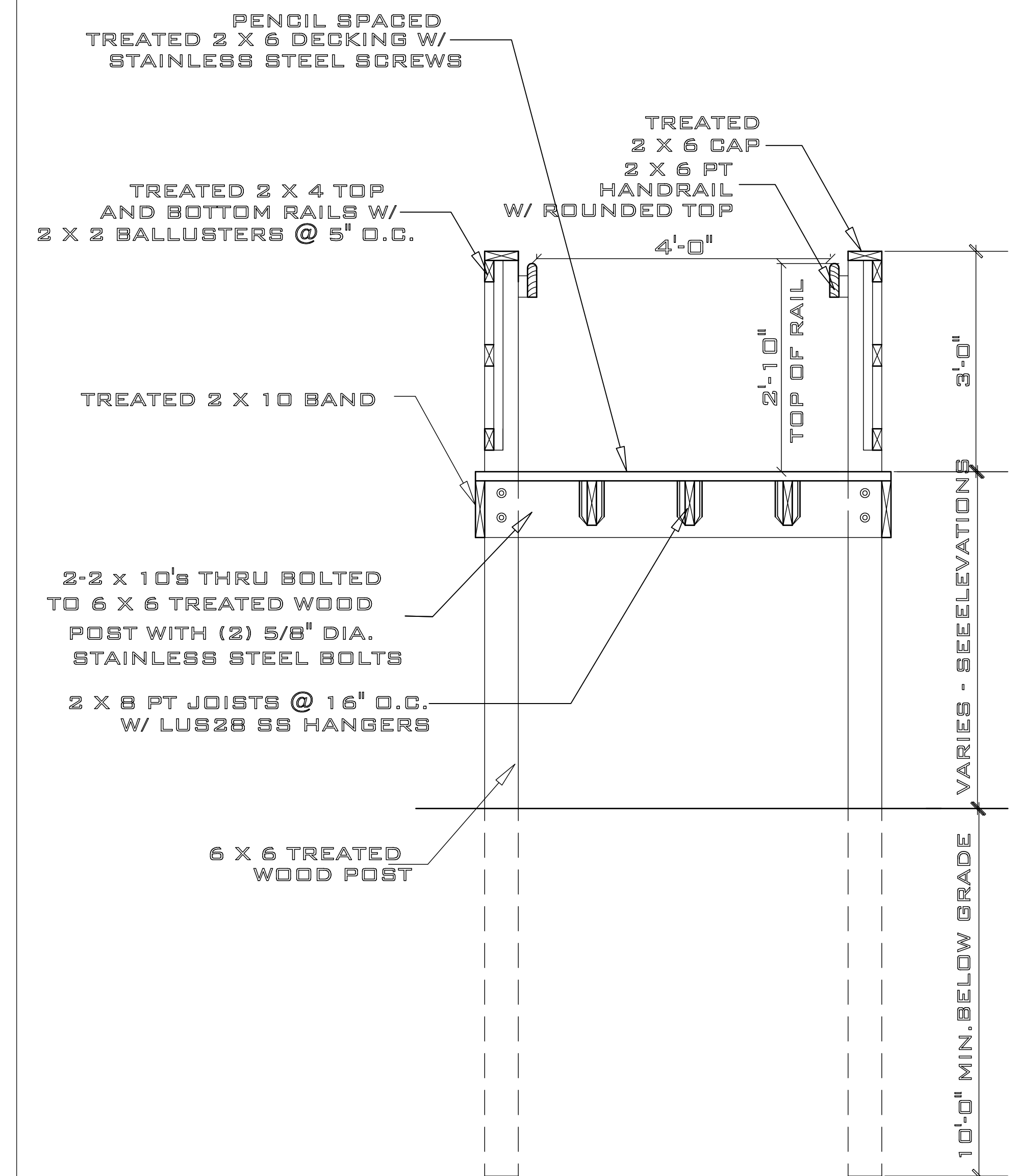


**3 PILING LAYOUT/ FRAMING PLAN OFFICE**

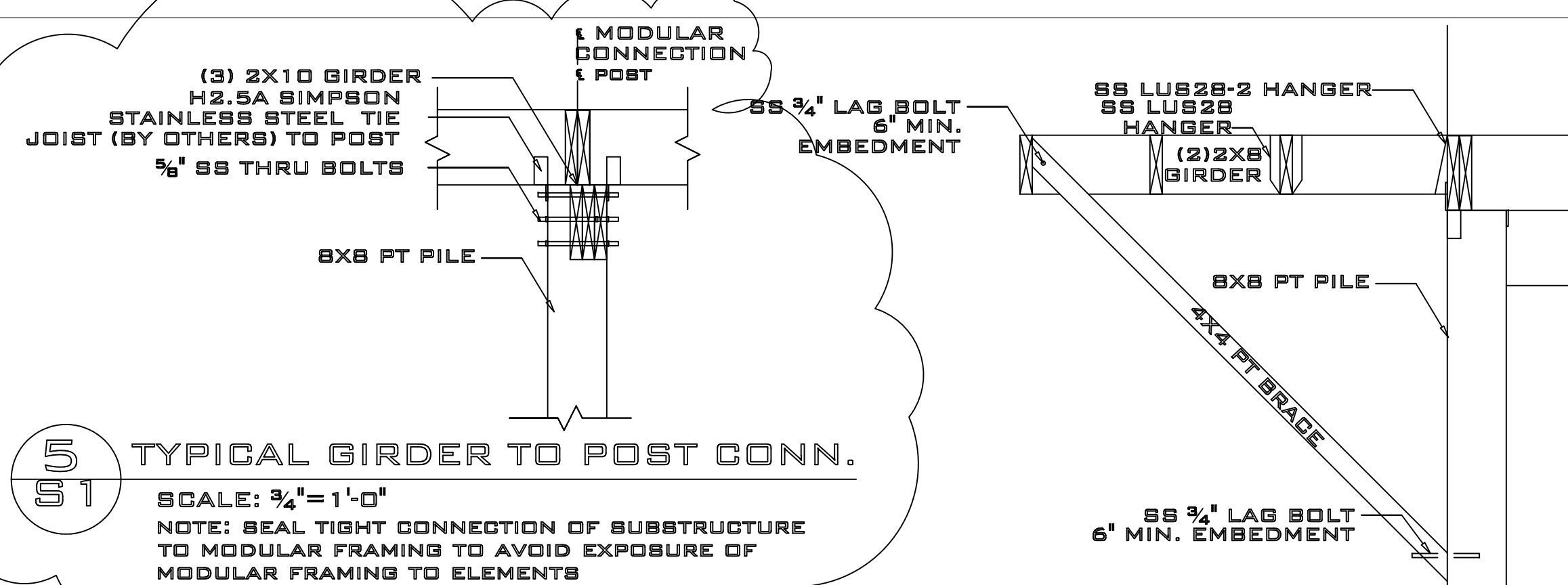
**SCALE: 3/16" = 1' - 0"**  
 NOTE: LIVE LOAD: 100 PSF



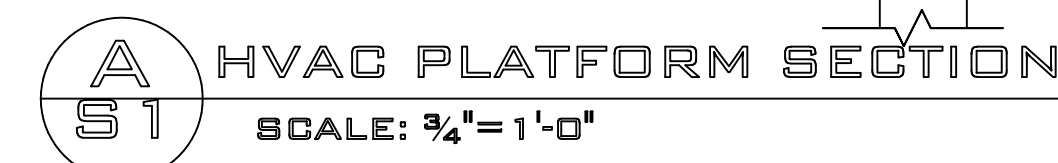
**4 TYPICAL BRACE SECTION**  
**SCALE: 3/4" = 1' - 0"**



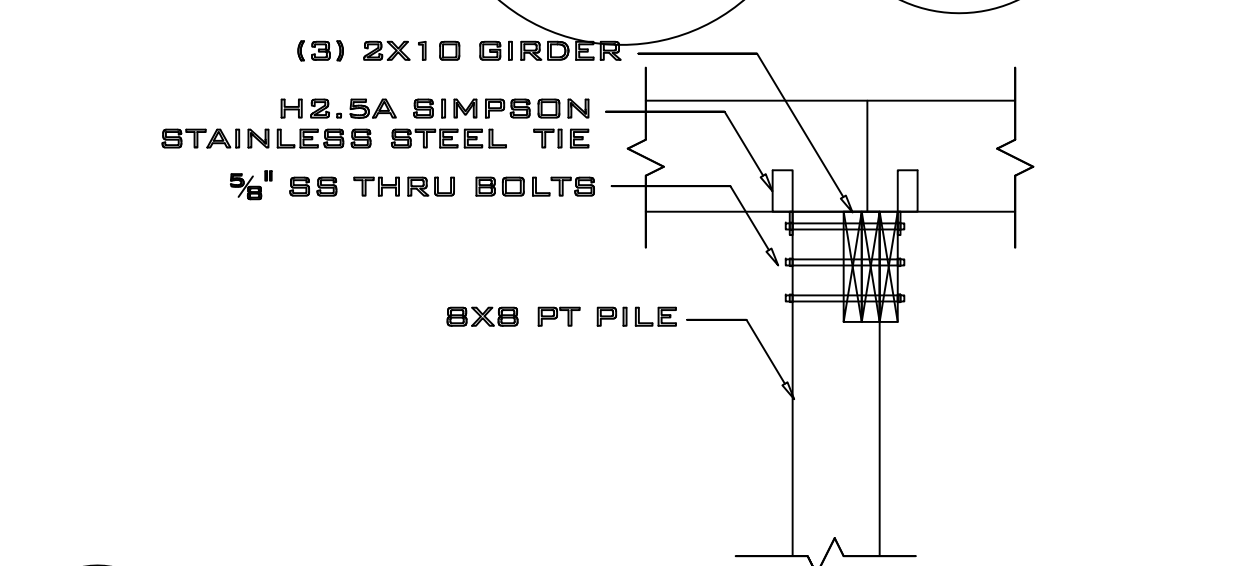
**7 RAMP SECTION**  
**SCALE: 3/4" = 1' - 0"**



**5 TYPICAL GIRDER TO POST CONN.**  
**SCALE: 3/4" = 1' - 0"**  
 NOTE: SEAL TIGHT CONNECTION OF SUBSTRUCTURE TO MODULAR FRAMING TO AVOID EXPOSURE OF MODULAR FRAMING TO ELEMENTS

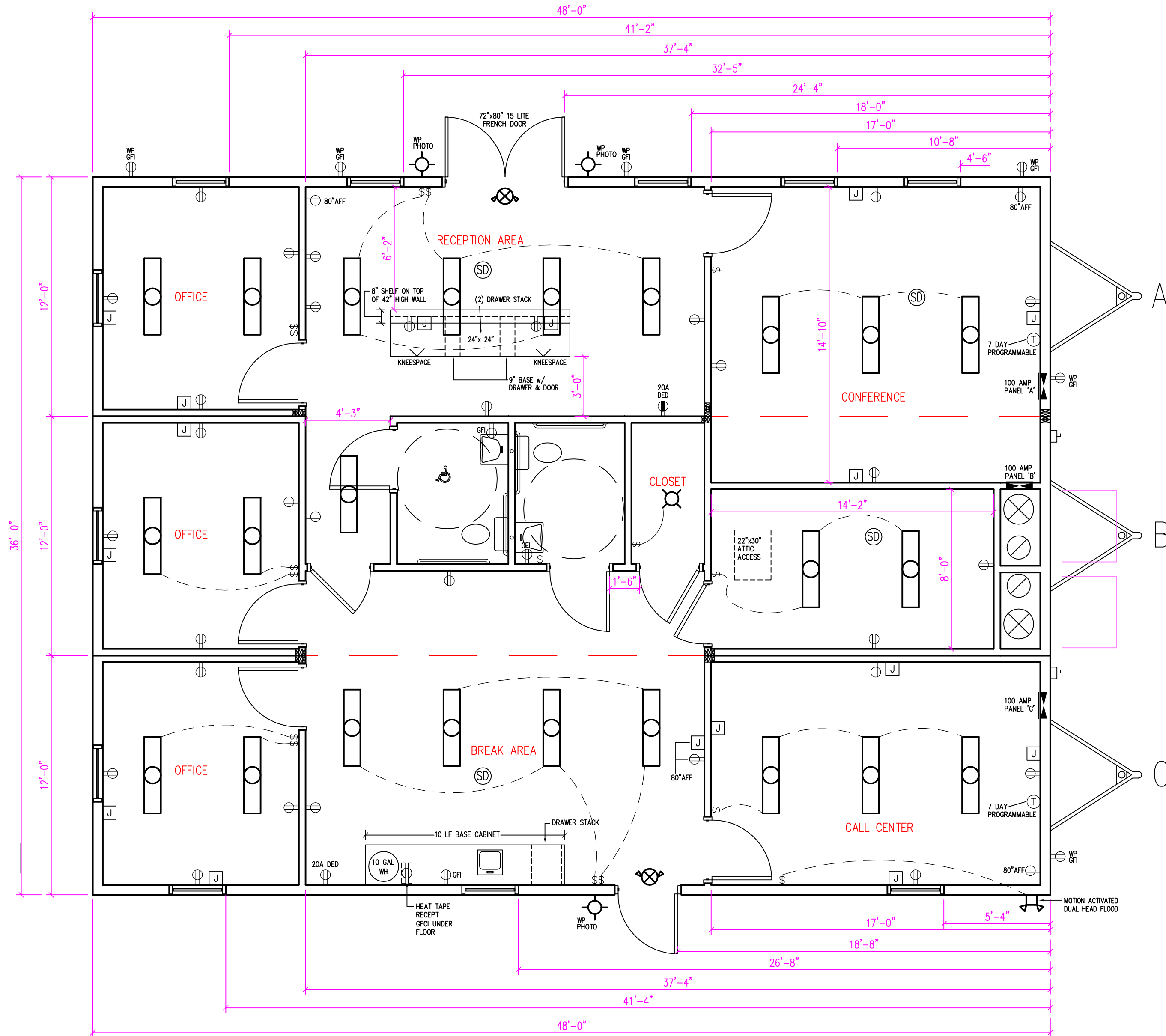


**A HVAC PLATFORM SECTION**  
**SCALE: 3/4" = 1' - 0"**



**5A GIRDER TO POST CONN. @ DECK**  
**SCALE: 3/4" = 1' - 0"**  
 NOTE: SEAL TIGHT CONNECTION OF SUBSTRUCTURE TO MODULAR FRAMING TO AVOID EXPOSURE OF MODULAR FRAMING TO ELEMENTS

<b>S-1</b>	
DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND <b>MARINE CORPS BASE</b> CAMP LEJEUNE, NORTH CAROLINA	
DES. JEROME REDMOND, PE DR. JEROME REDMOND, PE CHK. DAVID TOWLER SUBMITTED BY: JEROME REDMOND, PE	INSTALL MODULAR BUILDINGS AT ONSLOW BEACH, PHASE VI
DESIGN DIR. B. MARSHBURN, PE APPROVED: PWO OR OICC DATE: 29 SEPTEMBER 2011	GENERAL NOTES, PILING LAYOUTS AND DETAILS PWO DRAWING NO. <b>60009376</b>
SATISFACTORY TO DATE:	F 80091 CONST. CONTR. NO. N40085-11-B-0079
SCALE: AS SHOWN SPEC. 05-11-0079 SHEET 8 OF 9	



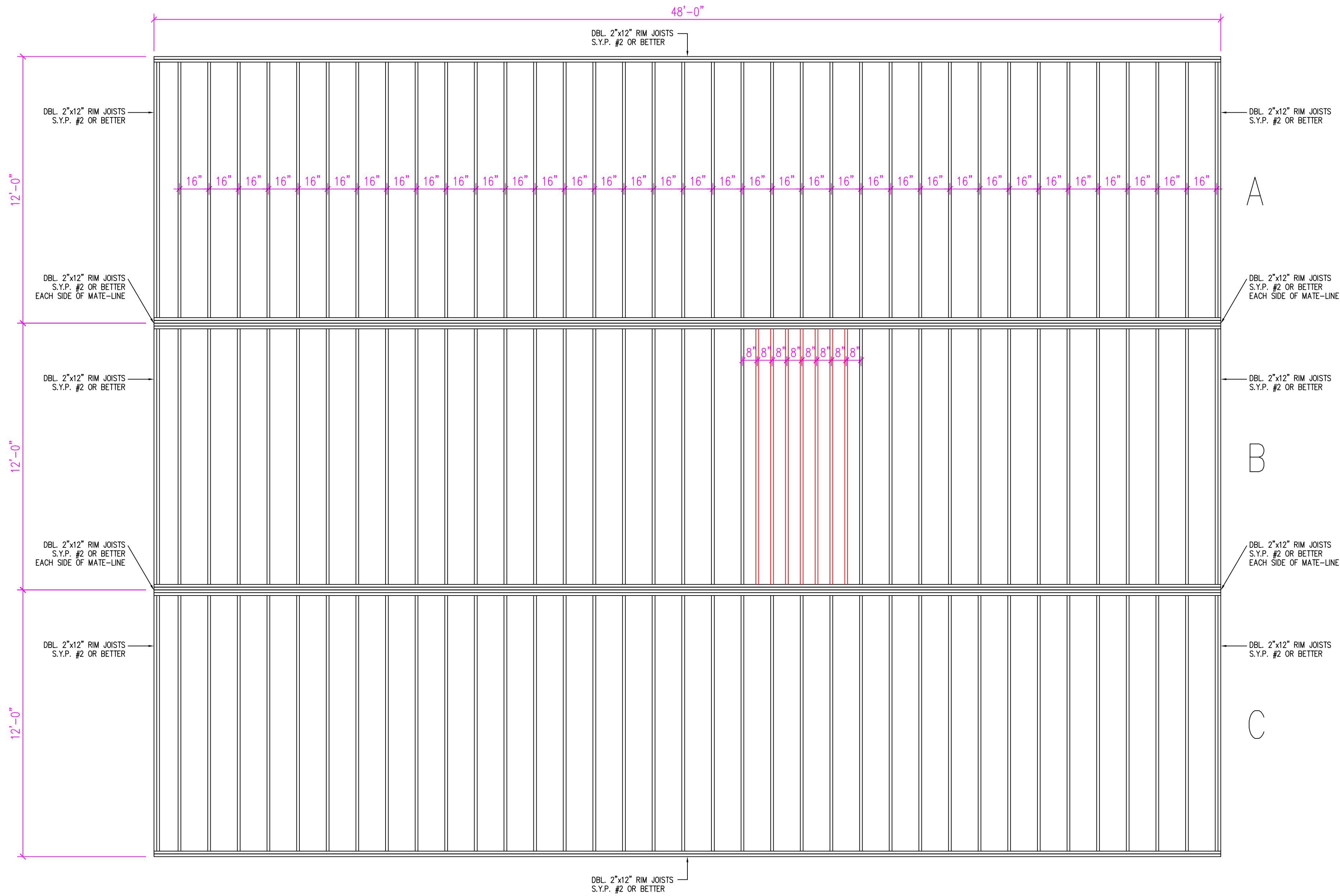
### CUSTOMER SIGN-OFF

PLEASE SIGN & DATE BELOW IF YOU AGREE TO FINALIZE THIS PROJECT

I HAVE FULLY REVIEWED THE PLANS AND SPECIFICATIONS OF THIS PROJECT. I AUTHORIZE CONSENT TO FINALIZE PROJECT AS IS. I UNDERSTAND THAT ANY CHANGES OR REVISIONS TO FLOOR PLAN OR THE ORIGINAL QUOTE WILL RESULT IN ADDITIONAL CHARGES.

PLEASE MARK UP PLANS & LIST CORRECTIONS ABOVE OR ON A SEPARATE SHEET. DO NOT SIGN OFF UNTIL CHANGES HAVE BEEN MADE AND YOU ARE SATISFIED WITH STATUS OF PROJECT PLANS. WE WILL PROVIDE A NEW SIGN OFF DRAWING WITH REFLECTED CHANGES IF NEEDED.

<b>F S I</b> <b>FIRST STRING SPACE INC.</b> P.O. BOX 158 PEARSON, GA. 31642 (912) 422-6455 FAX (912) 422-6466	DESIGN WIND SPEED : <b>140 mph</b>		SERIAL #
	DATE	DRAWN BY	File Name:
	6/13/11	DL	FSSI-1510 A-C
	SCALE	TYPE	OCC.
1/4"	VB	B	NCBC
			SEALS
			N.C.



# FLOOR JOIST LAYOUT

<b>F S S I</b>	<b>FIRST STRING SPACE INC.</b>		DESIGN WIND SPEED : <b>140 mph</b>		SERIAL # FSSI-1510 A-C
	P.O. BOX 158 PEARSON, GA. 31642		DATE 6/13/11	DRAWN BY DL	SIZE 36x48
	(912) 422-6455 FAX (912) 422-6466		SCALE 1/4"	TYPE VB	OCC. B
					SEALS N.C.