

TABLE 2: BEAM	TO BEAM CONNECTION SC	HEDULE
BEAM SIZE	ANGLE SIZE	BOLTS
W6 & W10	2 - L4x4x1/4"x0'-6"	6 - 3/4"ø
W12 & W14	2 - L4x4x1/4"x0'-9"	9 - 3/4"ø
W16	2 - L4x4x1/4"x1'-0"	12 - 3/4"ø
W18	2 - L4x4x3/8"x1'-3"	15 - 3/4"ø
W21	2 - L4x4x3/8"x1'-6"	18 - 3/4"ø
14/07	0 + 4 + 4 + 7 / 0" + 1" = 0"	$0.1 - 7/4"\phi$



- OR ERECTION.

- INTERNAL PRESSURE COEFFI

# STRUCTURAL STEEL NOTES:

- 5. ALL STRUCTURAL BOLTS SHALL CONFORM TO ASTM A-325 UNLESS OTHERWISE SHOWN.

1. THE FOLLOWING SPECIFICATIONS ARE IN MINIMUM REQUIREMENTS AND THEIR APPLICATION. MANUFACTURER SPECIFICATION, SHALL CONTROL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND SUBMIT ALL SHOP DRAWINGS AND REPORT ALL DOCUMENT DISCREPANCIES TO THE STRUCTURAL ENGINEER PRIOR TO FABRICATION

2. AT CONSTRUCTION ISSUE, THESE DRAWINGS REPRESENT STRUCTURAL COMPONENTS IN THEIR FINAL AND FINISHED STATE. CONSTRUCTION PROCEDURES, BRACING, METHODS, SAFETY PRECAUTIONS OR MECHANICAL REQUIREMENTS USED TO ERECT THEM ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR OR SUBCONTRACTOR DOING THE WORK.

3. WIND LOADS ON BUILDING PER ASCE 7-10 AND WIND PRESSURE AS AMENDED BY TDI FOR 2006 IBC OR IRC.

4. BUILDING DESIGN CRITERIA BASED ON IBC 2012. BASIC WIND SPEED (3-SECOND GUST) WIND IMPORTANCE FACTOR WIND EXPOSURE		140 MPH, 120 MPH(ASD) Iw = 1.0 C + 0.18	
DESI	<u>GN LOADS (PSF)</u>		
ROOF UNIT FLOOR PUBLIC AREAS	LIVE LOAD 20 40 100	DEAD LOAD * 20 20 5	

\* -ALL DEAD LOADS ARE SUPERIMPOSED LOADS

1. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM SPECIFICATION A992 UNLESS OTHERWISE SHOWN OR NOTED. 2. ALL STRUCTURAL STEEL PIPING SHALL CONFORM TO ASTM SPECIFICATION A-501.

3. ALL STRUCTURAL STEEL SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION AND THE STEEL JOIST INSTITUTE. 4. ALL STEEL JOISTS SHALL BE DESIGNED AND FABRICATED BY A MEMBER OF THE STEEL JOIST INSTITUTE. CONTRACTOR SHALL PROVIDE WRITTEN CERTIFICATE OF FABRICATOR'S MEMBERSHIP TO THE STEEL JOIST INSTITUTE AT TIME OF SHOP DRAWING SUBMITTAL.

6. REFER TO ARCHITECTURAL AND MECHANICAL PLANS FOR VERIFICATION OF ALL BOLTS, BLOCKING ANCHORS, ETC., FOR THE ANCHORAGE OF THEIR RESPECTIVE ITEMS, OR NOTED. 7. ALL BEAMS AND COLUMNS SHALL BE FULL LENGTH WITHOUT SPLICES UNLESS OTHERWISE INDICATED ON PLANS. ALL SHOP AND FIELD WELDS SHALL BE MADE BY WELDERS WHO HAVE BEEN QUALIFIED AND CERTIFIED TO MAKE THE REQUIRED WELDS WITHIN THE PREVIOUS SIX MONTHS IN ACCORDANCE WITH THE LATEST AMERICAN WELDING SOCIETY SPECIFICATIONS. 9. ERECTION CONNECTORS SHALL BE PROVIDED IN ORDER TO PROPERLY ALIGN AND BE TRUE AND PLUMB WHEN WELDS ARE MADE. 10. JOIST MANUFACTURER SHALL PROVIDE BRIDGING AS REQUIRED TO ADEQUATELY BRACE JOISTS AS REQUIRED BY THE STEEL JOIST INSTITUTE. (A.W.S. D-1.1). 11. SHOP DRAWINGS SHALL BE PREPARED FOR ALL STRUCTURAL STEEL AND SUBMITTED FOR REVIEW BY ENGINEER. ENGINEERING DRAWINGS SHALL NOT BE REPRODUCED AND USED AS SHOP DRAWINGS. 12. ALL COMPLETE PENETRATION WELDS, BOTH SHOP AND FIELD, SHALL BE MADE UNDER THE OBSERVATION OF A QUALIFIED TESTING LABORATORY INSPECTOR. 13. THE FABRICATOR SHALL SUPPLY BACKUP PLATES AND EXTENSION TABS FOR ALL COMPLETE PENETRATION WELDS. 14. ANY WELDS FOUND DEFECTIVE SHALL BE REMOVED AND REPLACED AT NO ADDITIONAL COST TO THE OWNER. 15. ALL WELDS TO BE X-RAYED SHALL BE GROUND SMOOTH.



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STRUCTURA EN TEXAS	L ENGINEER CIVIL & Structural Associate INT N. Staart Place Rd. Suite E Harfingen, TX 78552 Phone 956.428.7900 www.casaengr.com S REGISTERED ENGINEERING FIRM F CONTROL OF THE SAUCH DAVID V. DAY 82808 CENSED SOCIAL S CONSED S SEAL APPEARING ON THIS DOCUMENT S AUTHORIZED BY DAVID V. DAY B 2808 CENSED S CONSED S SAUCHORY OF NOTIFICATION TO THE S SEAL APPEARING ON THIS DOCUMENT S AUTHORIZED BY DAVID V. DAY, P.E. B 2808, ALTERATION OF A SEALED DOC S SEAL APPEARING ON THIS DOCUMENT S AUTHORIZED BY DAVID V. DAY, P.E. B 2808, ALTERATION OF A SEALED DOC S CONSELE ENGINEERING PRACTICE ACT.	-8483
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BRACING NOT SHOWN FOR CLARITY SEE 3/S2.0 FOR DETAIL

-(2)2X12" PTCCA WOOD BEAM SEE NOTE #2

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