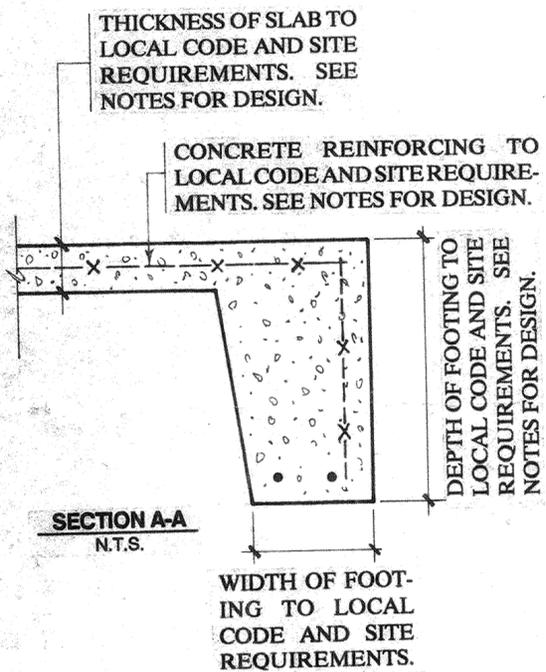


COLUMN FOUNDATION LOADS			
STRUCTURE	SHEAR (KIPS)	DOWNWARD (KIPS)	UPLIFT (KIPS)
GOX/GIW 12	0.4	1.6	1.7
GOX/GIW 16	0.4	1.6	1.7
GOX/GIW 20	0.8 *	2.6 *	2.4 *
GOX 24	1.3*	5.2*	3.3*
GOX 28	1.3	5.2	3.3

Load figures shown apply to structures shown only. These loads apply to open structures only with wind loads @ 100 mph and live loads @ 30# per sq.ft. See drawing number 243-073 for loading on GOX 36 and 44.

* Loadings estimated. Call factory for actual loading figures.

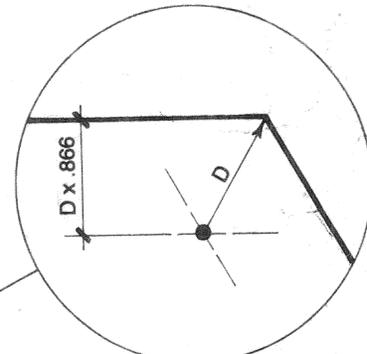


ANCHOR BOLT AND SLAB RADII		
STRUCTURE	RADIUS ANCHOR BOLT	RADIUS SLAB
GOX/GIW 12	5'-7 3/4"	6'-4"
GOX/GIW 16	7'-7 3/4"	8'-4"
GOX/GIW 20	9'-7 3/4"	10'-4"
GOX 24	11'-6 7/8"	12'-3 1/8"
GOX 28	13'-7 3/4"	14'-4"

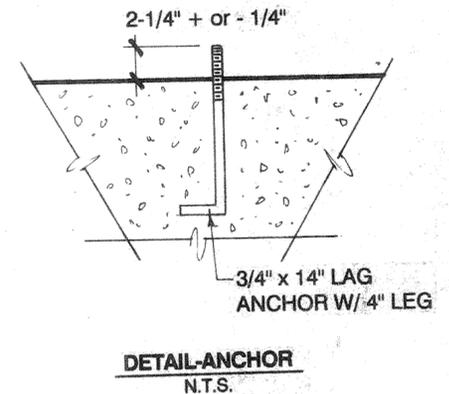
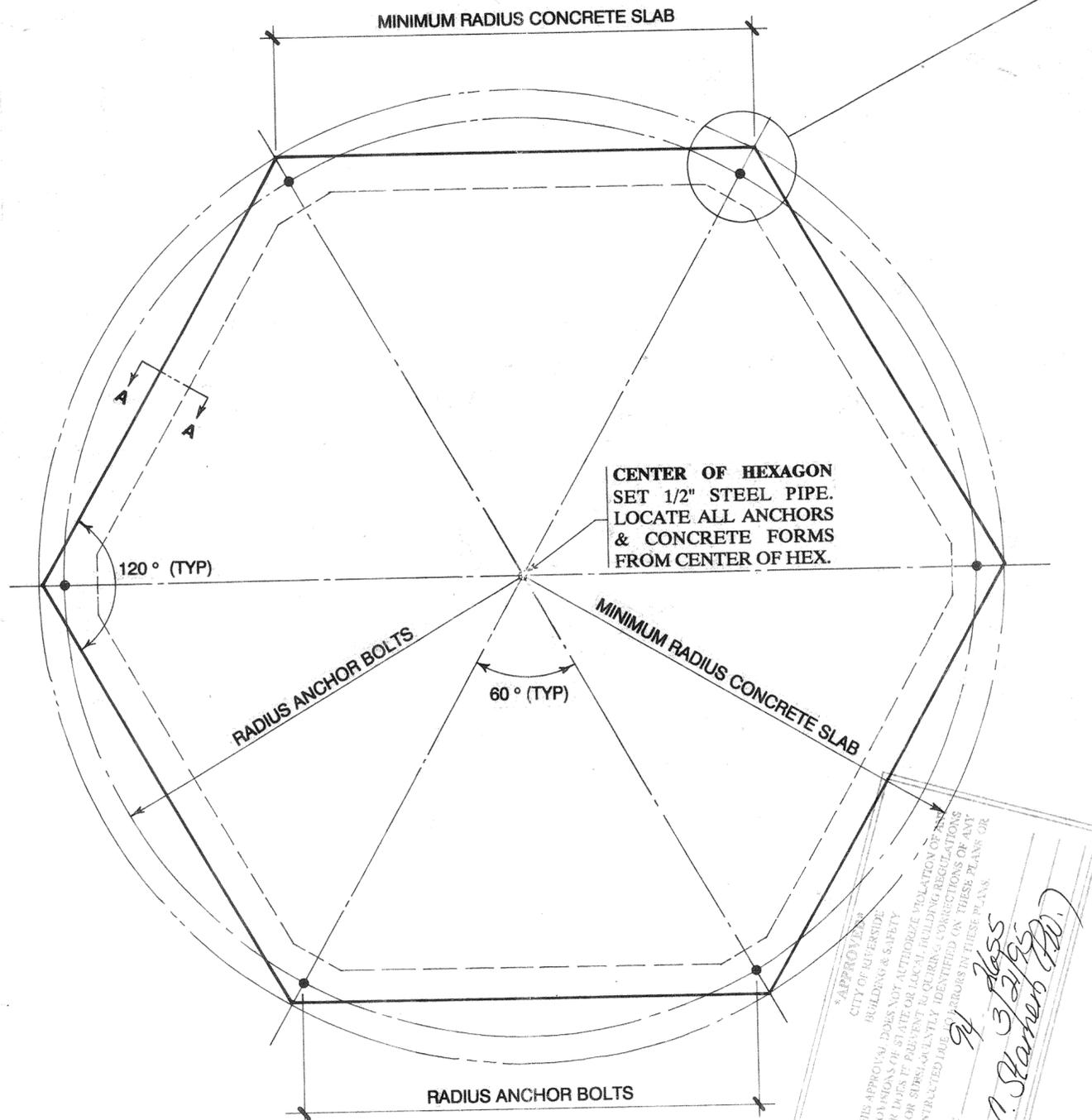
TOLERANCE: ALL DIM. + or - 1/4"

① GIW 16 ANCHOR RADIUS WAS 7'-7 1/2" REV. 7-20-92
 ② GOX/GIW 12 ANCHOR BOLT & SLAB RADII ADDED REV. 12-21-92

REFERENCE DIMENSIONS		
STRUCTURE	"D"	866 X "D"
GOX/GIW 16	8 1/4"	7 1/8"
GOX/GIW 20	8 1/4"	7 1/8"
GOX 24 & 28	8 1/4"	7 1/8"



DO NOT USE ABOVE DIMENSIONS TO SET ANCHOR BOLTS. THESE DIMENSIONS ARE GIVEN FOR REFERENCE ONLY. LOCATE ALL ANCHORS & CONCRETE FORMS FROM THE CENTER OF THE HEX.



APPROVED BY: [Signature]
 CITY OF IRVINE, BUILDING & SAFETY DIVISION
 THIS APPROVAL DOES NOT AUTHORIZE VIOLATION OF ANY PROVISIONS OF STATE OR LOCAL BUILDING REGULATIONS NOR DOES IT PREVENT TO OTHER CONNECTIONS OR ANY ERROR SINCE I AM NOT IDENTIFIED ON THESE PLANS OR CONSTRUCTED BY ME OR MY AGENTS IN THESE PLANS.
 Date: 9/3/95
 by: P. Starnes (P.O.)

REVIEWED & APPROVED BY

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 FAX (909) 946-4924



NOTES
 DESIGN OF FOUNDATION TO BE DONE BY AN ENGINEER OR ARCHITECT. THIS DRAWING IS NOT INTENDED AS A FOUNDATION DESIGN, AND IS SUBMITTED AS A REFERENCE AS TO MINIMUM CONCRETE SLAB DIMENSIONS AND ANCHOR BOLT LOCATIONS.

CONCRETE TO BE A MINIMUM 2000# W/ A MAXIMUM 4" SLUMP. ALL ANCHORS TO BE 3/4" x 14" LAGS W/ A 4" LEG, GRADE 5 CAST IN PLACE ANCHOR BOLTS.

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TITLE FOUNDATION PLAN SCALE N.T.S.
 DRAWN BY RDL DATE 4/27/92 JOB NO.
 CHECKED BY WHP 4/27/92 DWG. NO. 243-081

PROJECT POLIGON GOX 16, 20, & 28; GIW 16 & 20
 OXFORD & IRONWOOD GAZEBOS

SHEET NO. 1

RECEIVED
 FEB - 9 1995
 PARK & RECREATION PLANNING & DESIGN

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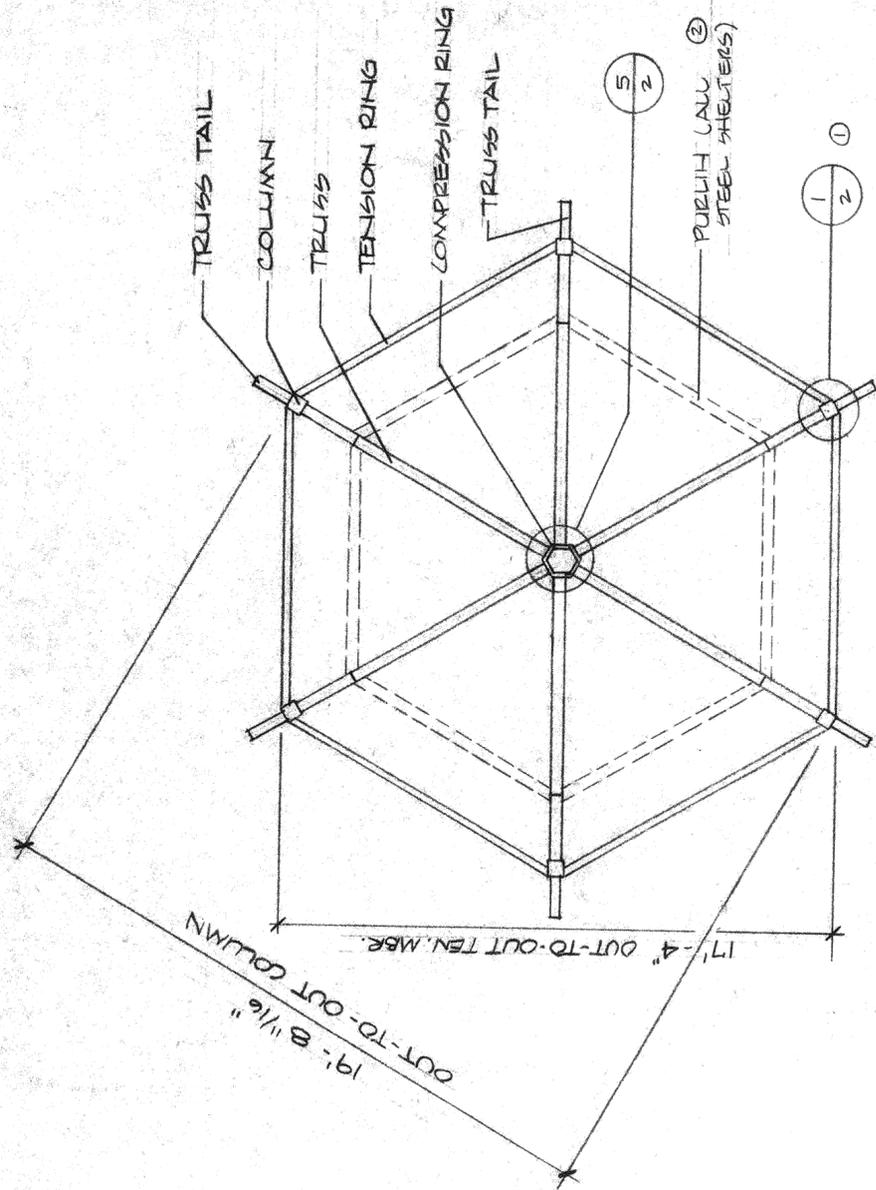
NOTES:

FOR FINAL TIGHTENING OF 3/4" BOLTS, USE TURN OF NUT METHOD: USING A SPUD WRENCH, TIGHTEN AS MUCH AS POSSIBLE WITH A NORMAL MAN'S EFFORT. THEN TIGHTEN AN ADDITIONAL 1/2 TURN USING AN EXTENSION.

ALL BOLTS AND NUTS ARE #5 GRADE. DO NOT SUBSTITUTE WITH A LESGER GRADE.

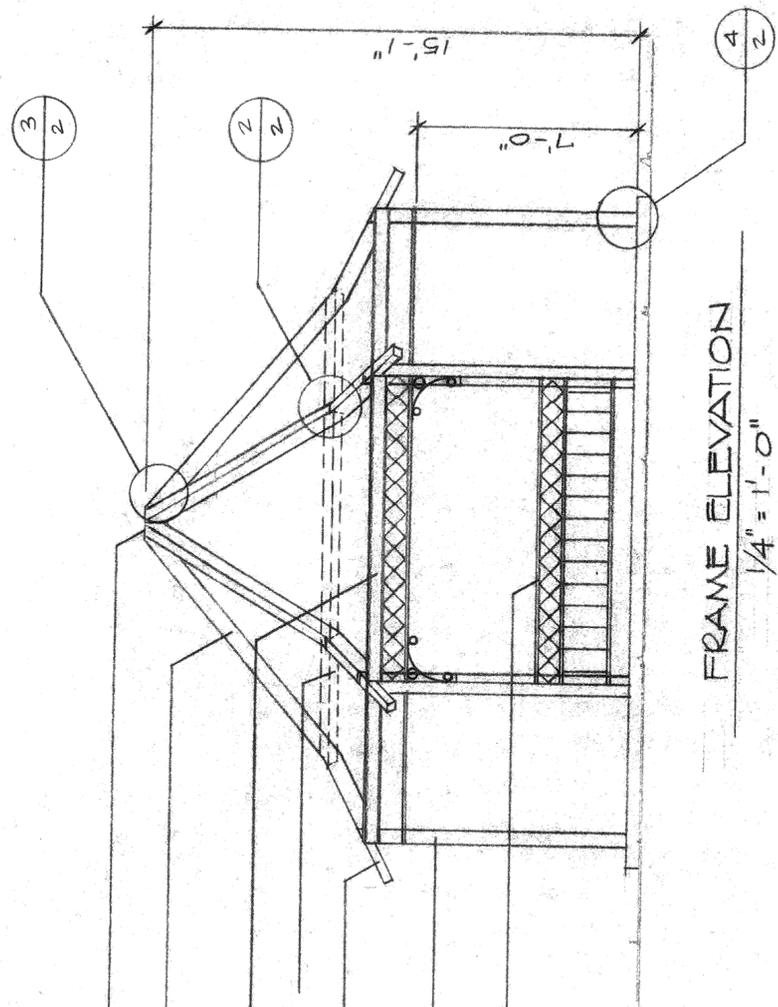
3/4" x 1/4" LAG ANCHORS WITH A 4" LEG ARE STANDARD. 3/4" x 9" EXPANSION TYPE ANCHORS CAN BE USED IN AREAS WHERE CONDITIONS AND CODES PERMIT.

STANDARD FRAME IS PRIME-PAINTED ONLY. FINAL FINISH TO BE FIELD APPLIED BY OTHERS W/ MATERIAL SUPPLIED BY OTHERS.



FRAME PLAN
1/4" = 1'-0"

FOR FRAME CONNECTION DETAILS, SEE SHIT 2, DWG # 283-439



FRAME ELEVATION
1/4" = 1'-0"

- COMPRESSION RING 212-1204
- TRUSS 213-1192
- TENSION RING W/ TOP RAIL & DEC. STEEL 213-1153
- PURLIN (212-1705) ALL STEEL ONLY
- TRUSS TAIL 211-1193
- COLUMN 212-1194
- LOWER RAILING 212-1191

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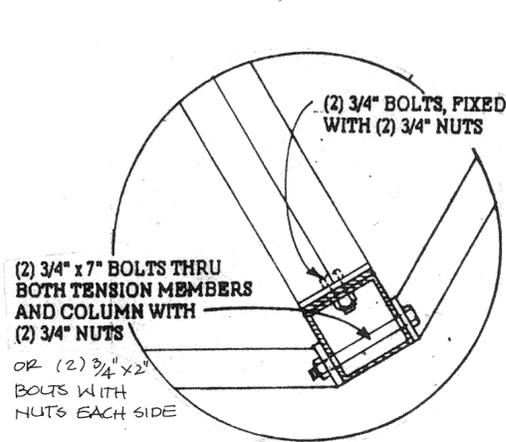


PATENT PENDING

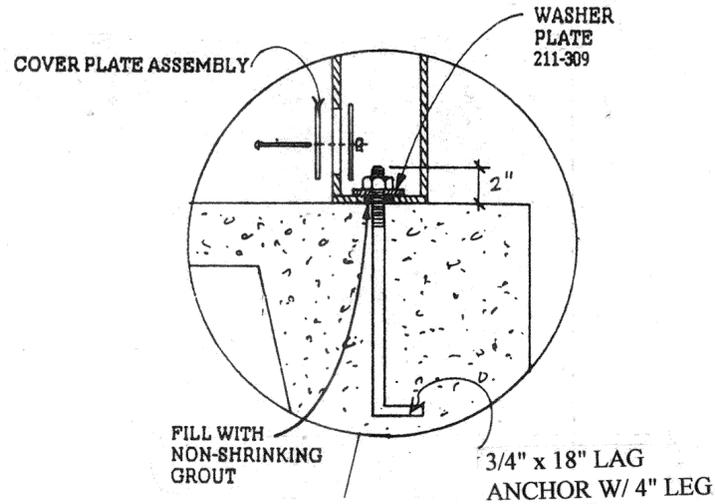
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(FOR WARRANTY INFORMATION SEE PAGE OF "POLIGON CATALOG")

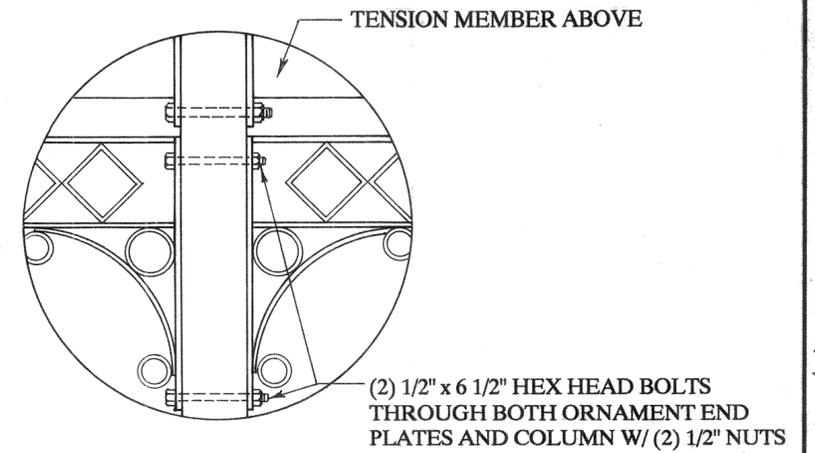
NO. DATE REVISION DESCRIPTION BY CK'D				W. H. PORTER, INC.		HOLLAND, MICHIGAN	
①	1-2-92	REMOVED CONNECTION DETAILS	RDL	TITLE	FRAME ASSEMBLY	DRAWN BY	RDL
②	1-2-92	ADDED PURLIN FOR ALL STEEL	RDL	PROJECT	POLIGON IRONWOOD GAZEBO 20	CHECKED BY	
				SCALE	SHOWN	DATE	1-24-90
				DWG. NO.	283-301		



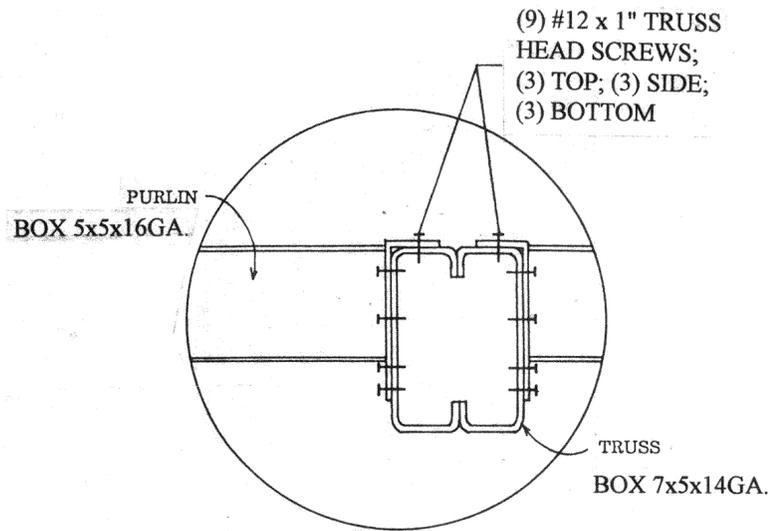
1 PLAN VIEW @ TOP OF COLUMN N.T.S.



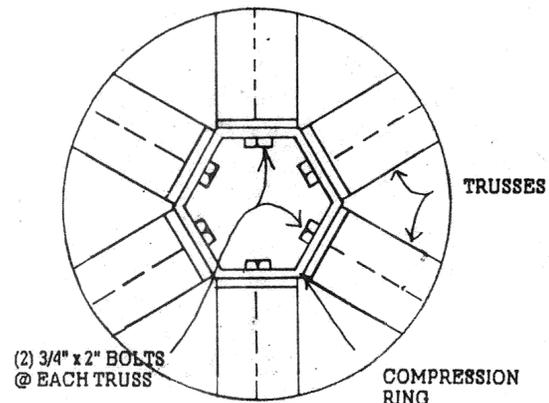
4 SECTION THROUGH COLUMN @ BASE N.T.S.



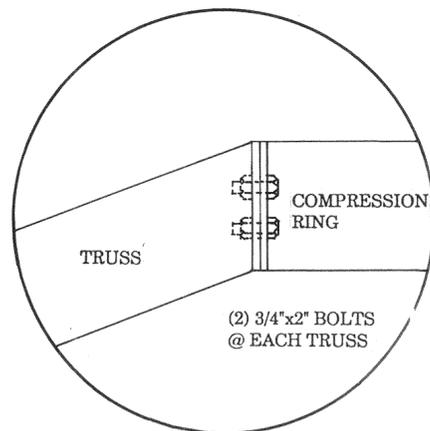
7 DETAIL - ORNAMENT @ COLUMN



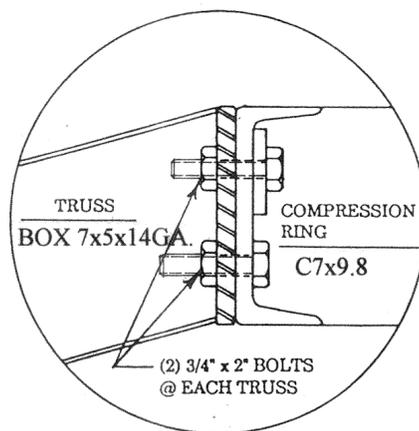
2 SECTION THROUGH TRUSS @ PURLIN N.T.S.



5 PLAN VIEW @ COMPRESSION RING N.T.S.



3 SECTION THRU TRUSS @ SMALL COMP. RING N.T.S.



6 SECTION THRU TRUSS @ LARGE COMP. RING N.T.S.

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NOTE: THIS DRAWING SET DOES NOT CONTAIN PAGE 4.

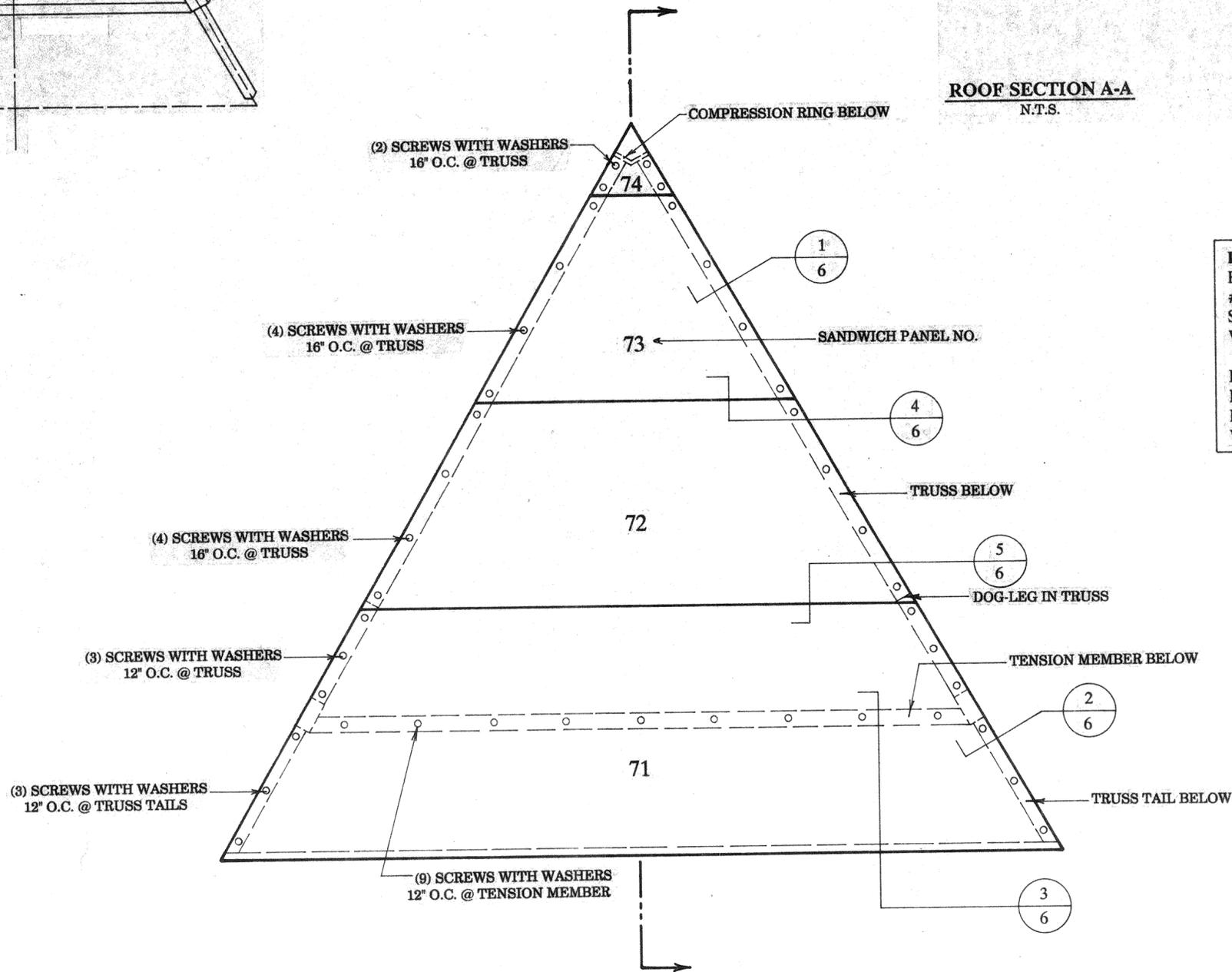
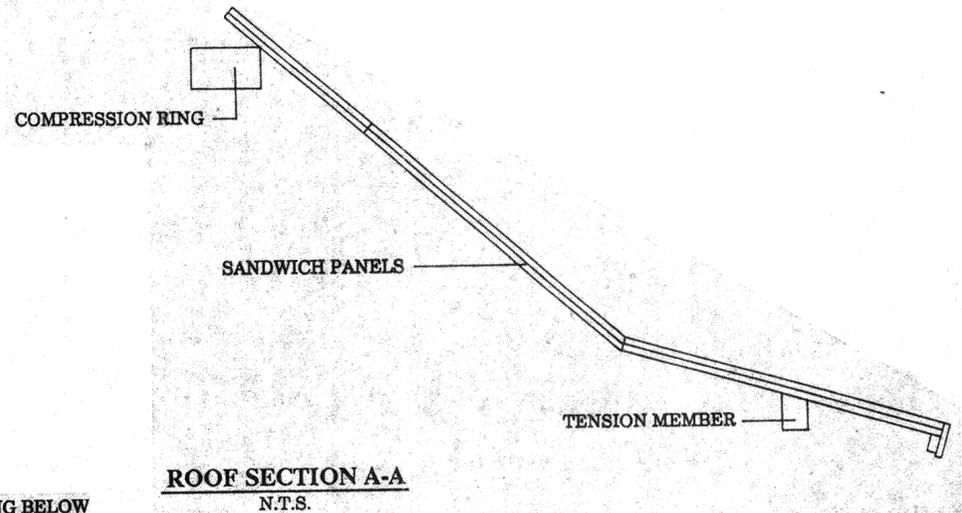
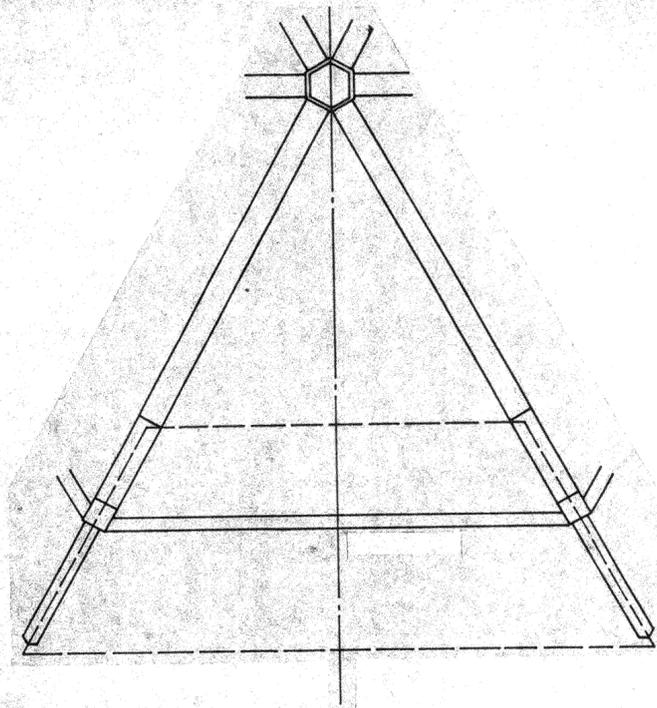


TITLE: FRAME CONNECTION DETAILS
DRAWN: RDL 6/4/91 REV. SCALE: N.T.S.
CHECKED BY: WHP 6/5/91 DWG. NO.: 283-401

PROJECT: POLYGON FRAME CONNECTION DETAILS
GOX 16 & 20; GIW 16 & 20

SHEET NO.: 3

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FASTENERS: ROOF PANELS ARE FASTENED TO STEEL FRAME WITH #14x3" SELF-TAPPING TRUSS HEAD SCREWS AND 1/4" x 1-1/4" FENDER WASHERS.

FASCIA NAILER IS FASTENED TO BOTTOM OF PANELS WITH 8d COMMONS. FINISH FACIA IS ATTACHED WITH 8d ARDOX.

FOR PANEL CONNECTION DETAILS, SEE SHEET 6, DWG. NO. 283-461

ROOF PANEL PLAN
3/4" = 1'-0"

IF INSTALLING A CUPOLA, SEE SHEET 7, DWG. NO. 283-332

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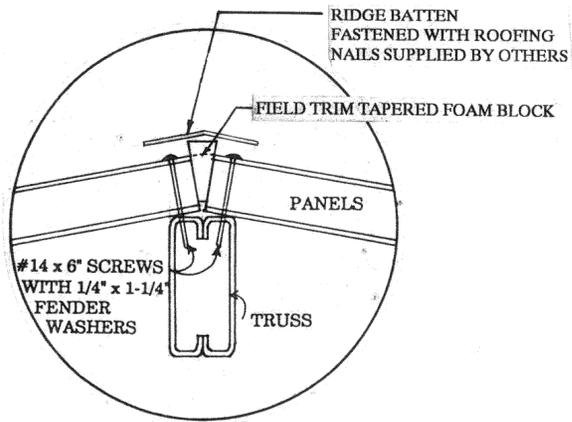
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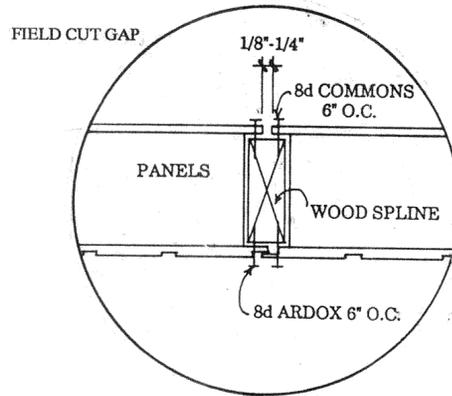
TITLE: ROOF PANEL INSTALLATION SCALE: SHOWN
DRAWN BY: RDL DATE: 1/24/92 JOB NO.:
CHECKED BY: WHP 1/27/92 DWG. NO.: 283-463

PROJECT: POLIGON GW 20 IRONWOOD GAZEBO
WITH SANDWICH PANEL ROOF

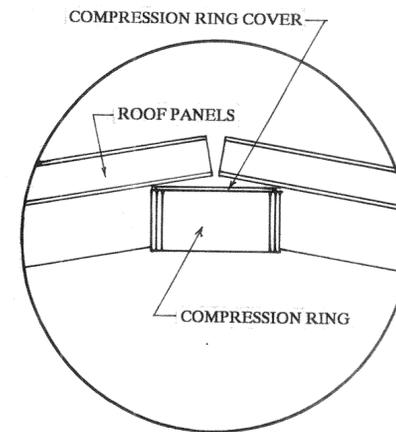
SHEET NO. 5



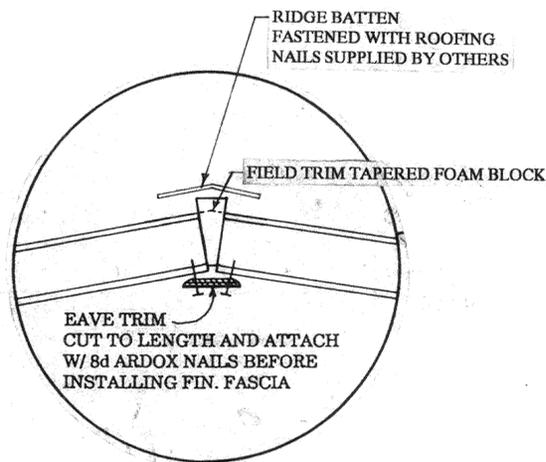
1 SECTION THROUGH RIDGE @ TRUSS N.T.S.



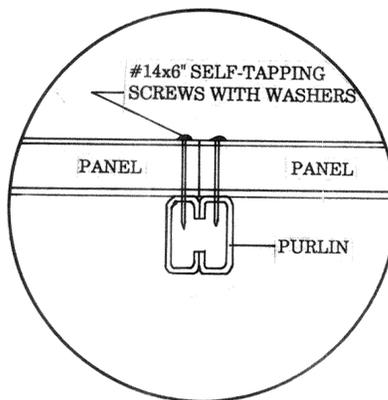
4 SECTION THROUGH SPLINE N.T.S.



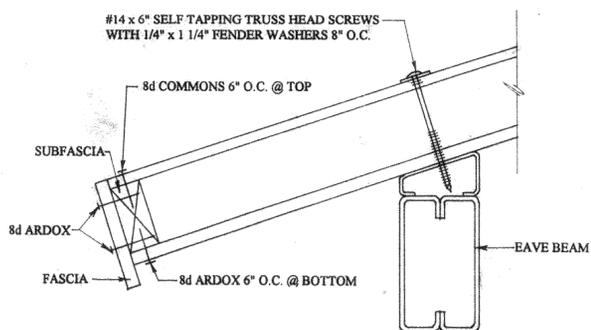
7 SECTION THROUGH SMALL COMPRESSION RING N.T.S.



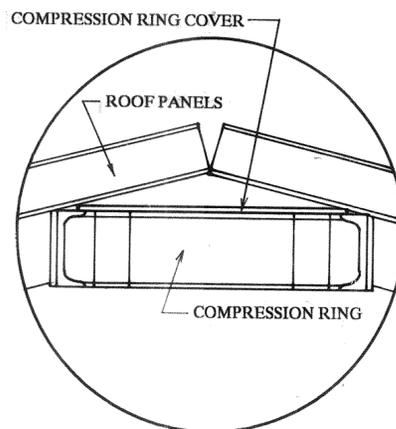
2 SECTION THROUGH RIDGE @ EAVE N.T.S.



5 SECTION THROUGH PURLIN N.T.S.



3 SECTION THROUGH EAVE N.T.S.



6 SECTION THROUGH LARGE COMPRESSION RING N.T.S.

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TITLE: ROOF PANEL DETAILS SCALE: SHOWN
 DRAWN BY: RDL DATE: 6/4/91 JOBNO.
 CHECKED BY: WHP 6/5/91 DWG. NO. 283-403

PROJECT: POLIGON SHELTERS WITH SANDWICH PANEL ROOF

SHEET NO. 6