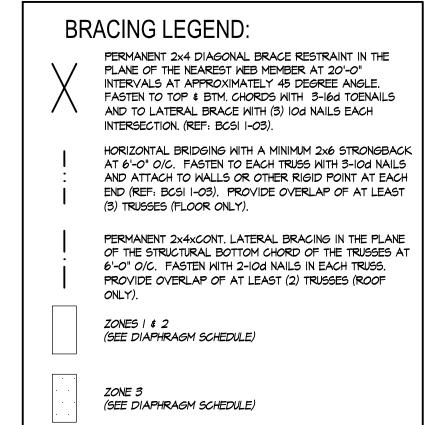
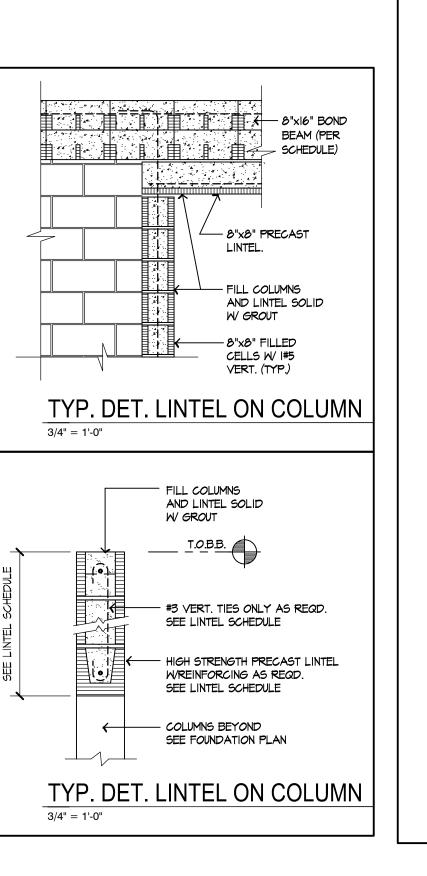
- I. BRACING SHOWN DOES NOT INCLUDE TEMPORARY BRACING REQUIRED FOR THE ERECTION AND INSTALLATION OF TRUSSES PRIOR TO THE INSTALLATION OF PERMANENT CROSS BRACING AND WEB LATERAL BRACING REQUIREMENTS. TEMPORARY BRACING IS THE RESPONSIBILITY OF THE TRUSS INSTALLER AND SHOULD REMAIN IN PLACE AS LONG AS NECESSARY FOR THE SAFE AND ACCEPTABLE INSTALLATION OF THE ROOF OR FLOOR. (REF: BCSI I-03).
- 2. PERMANENT WEB LATERAL BRACING IS TO BE INSTALLED AS SHOWN ON THE INDIVIDUAL TRUSS DRAWINGS (WEB LATERAL BRACING IS NOT SHOWN ON THIS SHEET). PERMANENT WEB LATERAL BRACING IS TO BE RESTRAINED TO PREVENT LATERAL MOVEMENT BY SOLID ANCHORAGE TO END WALLS, OR BY PERMANENT DIAGONAL BRACING (NOT SHOWN) IN THE PLANE OF THE WEB MEMBER AT INTERVALS NOT TO EXCEED 20 FEET ALONG CONTINUOUS WEB BRACE. (REF: BCSI 1-03).
- 3. PERMANENT DIAGONAL BRACING AS SHOWN ON THIS SHEET DOES NOT INCLUDE BRACING REQUIRED FOR GABLE END STUDS OR BOTTOM CHORD OF GABLE END AT WALL. REFER TO STANDARD GABLE END DETAIL FOR BRACING REQUIREMENTS.
- 4. ALL TOP CHORDS ARE ASSUMED TO BE SHEATHED, AND ALL BOTTOM CHORDS BRACED BY A RIGID CEILING SYSTEM. REFER TO INDIVIDUAL TRUSS DRAWINGS FOR BRACING REQUIREMENTS OF NON-SHEATHED TOP CHORDS AND UNSUPPORTED BOTTOM
- 5. REFER TO TPI / WCTA BCSI I-03: COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLATION AND BRACING METAL PLATE CONNECTED WOOD TRUSSES", APPENDIX C, FOR RECOMMENDED SEQUENCE OF INSTALLING BRACING COMPONENTS.
- 6. THE STRUCTURAL ADEQUACY OF THE INDIVIDUAL TRUSS DESIGNS TO WITHSTAND GRAVITY AND WIND LOADINGS AS WELL AS GIRDER CONNECTIONS AND LOADS ARE THE RESPONSIBILITY OF THE TRUSS DESIGNER. ANCHORAGE OF THE TRUSSES AND GIRDERS TO THE SUPPORTING STRUCTURE TO WITHSTAND WIND UPLIFT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER OR
- 7. THE BRACING FOR THE ROOF SYSTEM IS DESIGNED FOR BOTH POSITIVE & NEGATIVE PRESSURE AND MEETS THE REQUIREMENTS OF 2001 FBC.



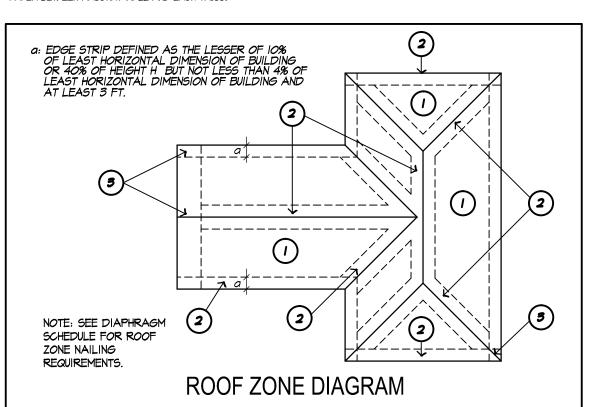
BRACING DETAILS:



SHEATHING
COMPRESSION WEB 45° SLOPING OR VERTICAL
LATERAL BRACING (C.L.B.)
PERMANENT DIAGONAL BRACE NAILED TO OPP. SIDE OF WEB PREVENTS LATERAL MOVEMENT AND SHOULD BE REPEATED AT APPROX. 20 FOOT INTERVALS
FIGURE 36: PERMANENT DIAGONAL
BRACING IN THE PLANE OF THE WEB MEMBERS
PERMANENT CROSS BRACING
FIGURE 37: PERMANENT BRACING IN THE PLANE OF THE WEBS FOR PITCHED TRUSSES
HORIZONTAL BRIDGING WITH A MINIMUM 2x6 STRONGBACK CONNECTION TO EACH TRUSS WITH 3-IOD NAILS AND ATTACHED TO WALLS OR OTHER RIGID POINT AT EACH END (REF: BCSI I-O3). PROVIDE OVERLAP OF AT LEAST (3) TRUSSES (FLOORS ONLY).
41 41 41 41
SEE PLAN
FIGURE 38: PERMANENT BRACING IN THE PLANE OF THE WEBS FOR PARALLEL CHORD TRUSSES
LATERAL BRACE
45° 45°
PERMANENT WEB DIAGONAL CROSS BRACING GROUP OF WOOD TRUSSES (WEB MEMBERS)
LATERAL BRACE
FIGURE 39: PERMANENT BRACING IN THE PLANE OF THE WEBS

			TRUSS CO	DNNECT	OR SC	HEDUL	E			
		FASTEN STI	ALLOWAE	BLE UPLIFT	PARALLEL	LOAD (F2)	PERPEND.	PROD		
MARK	USP CONNECTOR	TRUSS	CONC./TIE-BEAM	SINGLE STRAP	DOUBLE STRAP	SINGLE STRAP	DOUBLE STRAP	SINGLE STRAP	DOUBLE STRAP	APPRO
TC-I	HTA 12	(8) 10d x 1-1/2"	-	1600 #	3200 #	660 #	1320 #	590 #	1180 #	FL 8:
TC-2	HTA 20	(10) 10d x 1-1/2"	-	1615 #	3230 #	660 #	1320 #	590 #	1180 #	FL 8
TC-3	RTI6M	(9) 10d x 1-1/2"	(4) I/4" x I-3/4" TAP.	1395 #	2790 #	480 #	960 #	630 #	1260 #	FL 10
TC-4	HGAMIO	(4) 1/4"x1-1/2" WS	(4) I/4" x I-3/4" TAP.	915 #	1830 #	1075 #	2150 #	740#	1480 #	FL 8

I) ALLOWABLE LOADS ARE BASED ON USP CATALOG 56th Ed. 2) BLDR MAY USE LONGER STRAPS OF SAME TYPE SPECIFIED. 3) USE GALVANIZED NAILS AS SPECIFIED BY MANUFACTURER. 4) TAPCONS SHOULD BE LOCATED AT THE FARTHEST POINT FROM THE TOP OF THE BEAM. 5) PROVIDE APPROVED MOISTURE BARRIER PLATE OR BUILDING PAPER BETWEEN MASONRY WALL AND EACH TRUSS.



			DIAPH	RAGM S	CHE	DULE						
		PANEL	FRAMING	DIAPHRAGM	M ZONE I		ZONE 2		ZONE 3			
LOCATION	OCATION PANEL GRADE	THICKNESS	SPACING	BOUNDRIES	EDGE	INTER.	EDGE	INTER.	EDGE	INTER.	REMARKS	
ROOF PALM BEACH	APA RATED SHEATHING EXPOSURE I, OR EQUAL SPAN RATING 40/20	19/32"	24" O/C MAX.	10d 6" 0/C	10d 4" 0/C	10d 4" 0/C	BLOCKED AS SHOWN ON PLAN					
EXT. WALL	APA RATED SHEATHING EXPOSURE I, OR EQUAL SPAN RATING 40/20	19/32	16" O/C MAX.	10d 4" 0/C	10d 4" 0/C	10d 6" 0/C					NAIL CORNER STUDS AT 4" O/C MAX. TYPICAL BLOCK FREE EDGES	

I) ALL NAILS TO BE OF COMMON VARIETY UNLESS NOTED OTHERWISE.

SAFE GRAVITY	LOADS FOR 8'	PRECAST &	PRESTRESSED	U-LINTEL:
A A				

CAST-	Смете	SAFE LOAD — POUNDS PER LINEAR FOOT											
	TYPE	0110	8F8-0B	8F12-0B	8F16-0B	8F20-0B	8F24-0B	8F28-0B	8F32-				
LENGTH		808	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-				
0' 10" (74")	DDECACT	2274	3069	4605	6113	7547	8974	10394	1180				
2'-10" (34")	PRECAST	2231	3069	4605	6113	7547	8974	10394	1180				
7' 6" (40")	PRECAST	2231	3069	3719	5163	6607	8054	9502	109				
3'-6" (42")	PRECASI	2231	3069	4605	6113	7547	8974	10394	1180				
4'-0" (48")	PRECAST	1966	2561	2751	3820	4890	5961	7034	810				
		1000	2693	4605	6113	7547	8974	10394	1180				
4'-6" (54")	PRECAST	1599	1969	2110	2931	3753	4576	5400	622				
		1000	2189	4375	6113	7547(7)	8672	10294	118				
5'-4" (64")	PRECAST	1217	1349	1438	1999	2560	3123	3686	424				
- (01)	TILONOT	1217	1663	3090	5365	7547 (36)			_				
5'-10" (70")	PRECAST	1062	1105	1173	1631	2090	2549	3009	347				
- 10 (70)		1002	1451	2622	4360	7168(45)	6036(19)	718(19)	8328				
6'-6" (78")	PRECAST	908	1238	2177	3480	3031	3707	4383	506				
		300	1238	2177	3480	5381	8360	10394(37)	_				
7'-6" (90")	PRECAST	743	1011	1729	2632	2205	2698	3191	368				
, , , ,	TILONOT	/ 10	1011	1729	2661	3898	5681	8467 (44)	_				
9'-4" (112")	PRECAST	554	699	1160	1625	2564	3486	2818	330				
			752	1245	1843	2564	3486	4705(37)	_				
10'-6" (126")	PRECAST	475	535	890	1247	2093	2777	2163	253				
		•	643	1052	1533	2093	2781	3643 (38)	_				
11'-4" (136")	PRECAST	362	582	945	1366	1846	2423	3127	400				
			582	945	1366	1846	2423	3127	400				
12'-0" (144")	PRECAST	337	540	873	1254	1684	2193	2805	355				
	11120101		540	873	1254	1684	2193	2805	355				
13'-4" (160")	PRECAST	296	471	755	1075	1428	1838	2316	288				
(,			471	755	1075	1428	1838	2316	288				
14'-0" (168")	PRECAST	279	424	706	1002	1326	1697	2127	263				
			442	706	1002	1326	1697	2127	263				
14'-8" (176")	PRESTRESSED	N.R.	NR	NR	NR	NR	NR	NR	NF				
			458	783	1370	1902	2245	2517	271				
15'-4" (184")	PRESTRESSED	N.R.	NR 112	NR	NR	NR	NR	NR	NF				
			412	710	1250	1733	2058 ND	2320	251				
17'-4" (208")	PRESTRESSED	N.R.	NR 700	NR 540	NR	NR	NR	NR 4040	NF				
			300	548	950	1326	1609	1849	204				
19'-4" (232")	PRESTRESSED	N.R.	NR 075	NR	NR 750	NR 4077	NR	NR 4545	NF				
• •		l	235	420	750	1037	1282	1515	171				

			Liu		(202) TRESTRESSED	N.K.	235	420	750	1037	1282	1515	1716
					HE NUMBERS IN PAREN O FIELD ADDED REBAR		ARE PER	CENT RE	DUCTION	S FOR			
SAFE LATERA			R		SAFE UPLIFT LO		FOR 8	" PREC	AST #	PRES	TRESSI	ED U-L	INTEL
8" PRECAST & PRESTRESSED U-LINT SAFE LOAD PLF				CAST-CAG		SAFE LOAD - POUNDS PER LINEAR FOOT							
TYPE	8U8	8F8	REINF.			TYPE	8F8-1T	8F12-1T	8F16-1T	8F20-1T	8F24-1T	8F28-1T	8F32-1
LENGTH	000	0,0	CMU		LENGTH	_	8F8-2T			8F20-2T	8F24-2T	8F28-2T	8F32-2
2'-10" (34") PRECAST	1293	1642	2135		2'-10" (34") PRECAS	т	1972 1972	3173 3173	4460 4460	5747 5747	7034 7034	8321 8321	9608 9608
3'-6" (42") PRECAST	1025	1024	1830		3'-6" (42") PRECAS	т	1569	2524	3547	4569	5591	6613	7636
3 -0 (42) TRECAST	1020	1021	1000		3 -0 (+2) TILLOAL	'	1569	2524	3547	4569	5591	6613	7636
4'-0" (48") PRECAST	765	763	1365		4'-0" (48") PRECAS	т	1363	2192	3079	3966	4853	5740	6627
(12)							1363	2192	3079	3966	4853	5740	6627
4'-6" (54") PRECAST	592	591	1057		4'-6" (54") PRECAS	T	1207	1940	2724	3508	4292	5077	586
					` '		1207	1940	2724 2290	3508 2949	4292 3607	5077	586
5'-4" (64") PRECAST	411	411	734		5'-4" (64") PRECAS	π	1016	1632				4265	4924
							1016 909	1632 1492	2290 2093	2949 2694	3607 3295	4265 3897	4924
5'-10" (70") PRECAST	340	339	607		5'-10" (70") PRECAS	T	929	1492	2093	2694	3295	3897	4498
							835 (12)		1880	2419	2959	3498	4038
6'-6" (78") PRECAST	507	721	483	6'-6" (78") P	6'-6" (78") PRECAS	RECAST	835	1340	1880	2419	2959	3498	4038
				7'-6" (90") PRECAST	727 (23)	1021	1634(12)	2102(11)	2571(10)	3039(10)			
7'-6" (90") PRECAST	424	534	357		7'-6" (90") PRECAS	PRECAST	727	1166	1634	2102	2571	3039	3508
o' 4" /440") PDF046T					o' 4" /440"\ DDE046	T	591	680	1133(15)				
9'-4" (112") PRECAST	326	512	227		9'-4" (112") PRECAS	ıl	591	851	1326	1705	2084	2463	2842
10' 6" /106") DDCCAST	004	404	170		10' 6"/106"\ DDFCAC	т	530	552	914(15)	1185(15)	1458(15)	1732(15)	2007
10'-6" (126") PRECAST	284	401	178		10'-6" (126") PRECAS	1	530	686	1183	1526	1865	2204	2544
11' A" (136") DDECAST	260	452	152		11' 4"/176"\ DDECAG	т	474	485	798(15)	1034(15)	1272(15)	1510(15)	1749(
11'-4" (136") PRECAST	260	402	132		11'-4" (136") PRECAS	1	494	599	1028	1422	1738	2053	2369
12'-0" (144") PRECAST	244	402	135		12'-0" (144") PRECAS	т	470 (9)	441	723(14)	936 (14)	1151(15)	1366(15)	1582(
IZ TO (ITT) TREUMSI	477	702	133		12 -0 (1+4) FRECAS	1	470	543	928	1349	1649	1948	2247
13'-4" (160") PRECAST	217	324	109		13'-4" (160") PRECAS	т	418 (15)	373	606 (14)	783 (14)			_
10 4 (100) TREGAST	217	02.			10 + (100) TREORE	•	428	455	770	1145	1444	1718	1993
14'-0" (168") PRECAST	205	293	98		14'-0" (168") PRECAS	τ	384 (15)	346	559(14)	723 (14)	887 (14)		_
5 (100) 1 1120101					5 (.35) 1 1120/12		410	420	709	1050	1434 (8)		
14'-8" (176") PRESTRESSED	N.R.	284	89		14'-8" (176") PRESTR	ESSED	239	323	519 (13)				_
· · · · /					<u> </u>		246	390	655	968	1324 (8)		
15'-4" (184") PRESTRESSED	N.R.	259	82	15'-4" (184") PRESTRES	ESSED	224	302	485 (13)	626 (13)				
· · ·						230 187	364 255	609 404 (12)	897 520 (12)	1224 (8) 637 (12)			
17'-4" (208") PRESTRESSED	N.R.	194	63		17'-4" (208") PRESTR	ESSED	192	303	500	732		1268(14)	
17 -4 (200) FRESTRESSED	14.14.				. (200)							n 147/UL	
19'-4" (232") PRESTRESSED	14.14.	148	51		19'-4" (232") PRESTR		162	222	347(11)	446(11)	546 (12)		

(#) THE NUMBERS IN PARENTHESIS ARE PERCENT REDUCTIONS FOR GR40 FIELD ADDED REBAR.

revisions no.

> designed drawn checked date 02/03/12 scale 1/4" = 1'-0" U.N.O. job no. 110244.com

> > Scott Blakeslee Disher AR-0011586 AA-0003285

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drawing BRACING SCHEDULES AND **DETAILS** sheet

S-5