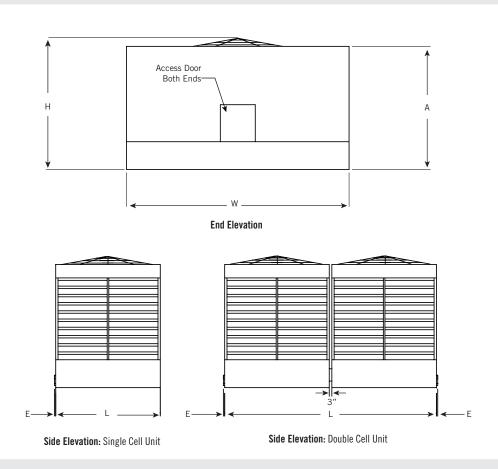
NOTE: Do not use for construction. Refer to factory certified dimensions. This catalog includes data current at the time of publication, which should be reconfirmed at the time of purchase. Up-to-date engineering data, free product selection software, and more can be found at www.BaltimoreAircoil.com.





NOTE:

3728C thru 31056C and 31132C thru 31301C ship in two sections per cell. The top section is the heaviest and tallest.

Top section heights are:

- 3728C thru 3970C: 10'-3"
- 3985C thru 31056C: 11'-7"
- **31132C**: 10'-5"
- **31213C**: 11'-9"
- 31301C: 12'-7"

SINGLE CELL UNIT

					Weights (lbs)			Dimens	sions ^[4]	
Model Number	Nominal Tonnage ^[2]	Motor HP	Fan (CFM)	Operating ^[3]	Shipping	Heaviest Section	L	w	H ^[5]	A
3240C	240	10	62,790	15,200	7,610	7,610				8'-8"
3272C	272	15	71,340	15,320	7,730	7,730	8'-6"	18'-1"	9'-4"	
3299C	299	20	78,110	15,380	7,790	7,790				
3333C	325	20	85,720	16,190	8,060	8,060				
3358C	349	25	91,960	16,220	8,090	8,090	8'-6"	18'-1"	10'-8"	10'-10"
3379C	369	30	97,400	16,270	8,140	8,140				
3412C	399	25	103,700	19,000	9,390	9,390	01 101	001.11		10' 10"
3436C	422	30	109,830	19,050	9,440	9,440	9'-10"	20'-1"	10'-10"	10'-10"
3455C	434	25	112,250	19,770	9,710	9,710			12'-2"	
3482C	459	30	118,880	19,820	9,760	9,760	9'-10"	20'-1"		11'-4"
3527C	502	40	130,160	19,980	9,920	9,920	-			
3473C	458	25	118,870	22,730	10,900	10,900	111 1011	011.7"	101 1111	10/ 0"
3501C	485	30	125,900	22,780	10,950	10,950	11'-10"	21'-7"	10'-11"	10'-0"
3552C	527	30	136,170	25,150	11,510	11,510		21'-7"	12'-3"	11'-4"
3604C	577	40	149,090	25,310	11,670	11,670				
3648C	619	50	159,950	25,320	11,680	11,680	11'-10"			
3672C	642	60	166,020	26,080	12,440	12,440	-		12'-9"	
3728C	728	40	178,860	30,700	14,460	8,430				
3781C	781	50	191,890	30,860	14,620	8,590	11'-10"	21'-7"	16'-5"	15'-6"
3828C	828	60	203,230	30,870	14,630	8,600	-			
3872C	846	50	206,630	33,700	15,380	8,600				
3923C	896	60	218,840	33,910	15,590	8,810	11'-10"	21'-7"	19'-1"	18'-2"
3970C	941	75	230,080	34,870	16,550	9,770	-			
3985C	985	60	229,950	36,500	16,360	9,210	444.400			
31056C	1,056	75	246,700	36,590	16,440	9,290	11'-10"	21'-7"	21'-9"	20'-10"
3583C	557	25	143,950	32,890	15,650	15,650				
3618C	591	30	152,460	32,940	15,700	15,700	141.01	041.411	101.411	
3676C	646	40	166,920	33,100	15,860	15,860	14'-0"	24'-1"	12'-4"	11'-4"
3725C	693	50	179,080	33,110	15,870	15,870				
31132C	1,105	75	267,880	43,080	20,830	11,430	14'-0"	24'-1"	19'-9"	18'-2"
31213C	1,213	75	282,010	45,760	21,530	12,140	14'-0"	24'-1"	22'-5"	20'-10"
31301C ^[1]	1,301	100	302,580	47,680	23,450	13,230	14'-0"	24'-1"	22'-9"	20'-10"



NOTES FOR SINGLE CELL AND DOUBLE CELL UNITS:

- 1. 31301C is supplied with a gear drive system as standard.
- 2. Nominal tons of cooling represents the capability to cool 3 USGPM of water from a 95°F entering water temperature to an 85°F leaving water temperature at a 78°F entering wet-bulb temperature.
- Operating weight is based on the water level in the cold water basin at overflow height. If a lower operating weight is needed to meet design requirements, your local BAC Representative can provide additional assistance.
- 4. Refer to page B28 for dimensional reference drawings.
- Models shipped with an optional gear drive or Low Sound
 Fan may have heights up to 10.5" greater than shown. For
 units with Whisper Quiet Fans please contact your local
 BAC Representative for accurate height dimensions.



DOUBLE CELL UNIT

	Nominal Tonnage ^[2]	Motor HP	Fan (CFM)		Weights (lbs)		Dimensions ^[4]				
Model Number				Operating ^[3]	Shipping	Heaviest Section	L	w	H ^[5]	A	
3240C-2	480	(2) 10	125,580	30,400	15,220	7,610			9'-4"	8'-8"	
3272C-2	544	(2) 15	142,680	30,640	15,460	7,730	17'-2"	18'-1"			
3299C-2	598	(2) 20	156,220	30,760	15,580	7,790					
3333C-2	650	(2) 20	171,440	32,380	16,120	8,060					
3358C-2	698	(2) 25	183,920	32,440	16,180	8,090	17'-2"	18'-1"	10'-8"	10'-10"	
3379C-2	738	(2) 30	194,800	32,540	16,280	8,140					
3412C-2	798	(2) 25	207,400	38,000	18,780	9,390	10/ 0//	00/ 1//	10/ 10//	10/ 10/	
3436C-2	844	(2) 30	219,660	38,100	18,880	9,440	19'-9"	20'-1"	10'-10"	10'-10"	
3455C-2	868	(2) 25	224,500	39,540	19,420	9,710			12'-1"		
3482C-2	918	(2) 30	237,760	39,640	19,520	9,760	19'-9"	20'-1"		11'-4"	
3527C-2	1,004	(2) 40	260,320	39,960	19,840	9,920					
3473C-2	916	(2) 25	237,740	45,460	21,800	10,900	001.101	011.7"	10/ 11//	10' 0"	
3501C-2	970	(2) 30	251,800	45,560	21,900	10,950	23'-10"	21'-7"	10'-11"	10'-0"	
3552C-2	1,054	(2) 30	272,340	50,300	23,020	11,510	23'-10"	21'-7"	12'-2"		
3604C-2	1,154	(2) 40	298,180	50,620	23,340	11,670				11'-4"	
3648C-2	1,238	(2) 50	319,900	50,640	23,360	11,680					
3672C-2	1,284	(2) 60	332,040	52,160	24,880	12,440			12'-9"		
3728C-2	1,456	(2) 40	357,720	61,400	28,920	8,430					
3781C-2	1,562	(2) 50	383,780	61,720	29,240	8,590	23'-10"	21'-7"	16'-5"	15'-6"	
3828C-2	1,656	(2) 60	406,460	61,740	29,260	8,600					
3872C-2	1,692	(2) 50	413,260	67,400	30,760	8,600					
3923C-2	1,792	(2) 60	437,680	67,820	31,180	8,810	23'-10"	21'-7"	19'-1"	18'-2"	
3970C-2	1,882	(2) 75	460,160	69,740	33,100	9,770					
3985C-2	1,970	(2) 60	459,900	73,000	32,720	9,210	00/ 10//	01/ 7"	01/ 07	001.400	
31056C-2	2,112	(2) 75	493,400	73,180	32,880	9,290	23'-10"	21'-7"	21'-9"	20'-10"	
3583C-2	1,144	(2) 25	287,900	65,780	31,300	15,650					
3618C-2	1,182	(2) 30	304,920	65,880	31,400	15,700	00/ 1//	04/ 1//	10/ 4//	117 477	
3676C-2	1,292	(2) 40	333,840	66,200	31,720	15,860	28'-1"	24'-1"	12'-4"	11'-4"	
3725C-2	1,386	(2) 50	358,160	66,220	31,740	15,870					
31132C-2	2,210	(2) 75	535,760	86,160	41,660	11,430	28'-1"	24'-1"	19'-9"	18'-2"	
31213C-2	2,426	(2) 75	564,020	91,520	43,060	12,140	28'-1"	24'-1"	22'-5"	20'-10"	
31301C-2 ^[1]	2,602	(2) 100	605,160	95,360	46,900	13,230	28'-1"	24'-1"	22'-9"	20'-10"	



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CONNECTION DIMENSIONS

			Dimensions ^[1]			Inlet Conne	ction Sizes ^[2,4]	Outlet Connection Sizes[3,4]	
Model Number	В	C	D	E	F	Easy Connect	Top Inlet	Outlet	Remote Sump
3240C									
3272C	5'-9"	3'-9"	9"	1"	6'-6"	8"	(2) 6"	8"	8"
3299C									
3333C									
3358C	6'-7"	3'-9"	9"	1"	6'-6"	8"	(2) 6"	8"	10"
3379C									
3412C	6'-7"	3'-9"	9"	2"	6'-9"	8"	(2) 6"	8"	10"
3436C	0 /	0 0	J	-	0 3	Ů	(2) 0	· ·	10
3455C									
3482C	6'-7"	3'-9"	10"	2"	6'-9"	10"	(2) 8"	10"	12"
3527C									
3473C	6'-7"	4'-0"	10"	2"	8'-8"	10"	(2) 8"	10"	12"
3501C		. 0	10	-	0.0	10	(2) 0	10	
3552C									
3604C	6'-7"	4'-0"	10"	2"	8'-8"	10"	(2) 8"	10"	12"
3648C									
3672C									
3728C									
3781C	10'-5"	4'-0"	10"	2"	8'-8"	10"	(2) 8"	10"	14"
3828C									
3872C									
3923C	13'-1"	4'-0"	10"	2"	8'-8"	12"	(2) 8"	12"	16"
3970C									
3985C	15'-9"	4'-0"	10"	2"	8'-8"	12"	(2) 8"	12"	18"
31056C									
3583C									
3618C	6'-7"	4'-1"	10"	1"	8'-10"	10"	(2) 8"	10"	12"
3676C									
3725C	10/ 17	47.177	10"	1"	0/ 10//	1.42	(0) 10"	1 4 2	20"
31132C	13'-1"	4'-1"	10"	1"	8'-10"	14"	(2) 10"	14"	20"
31213C	15'-9"	4'-1"	10"	1"	8'-10"	14"	(2) 10"	14"	20"
31301C									

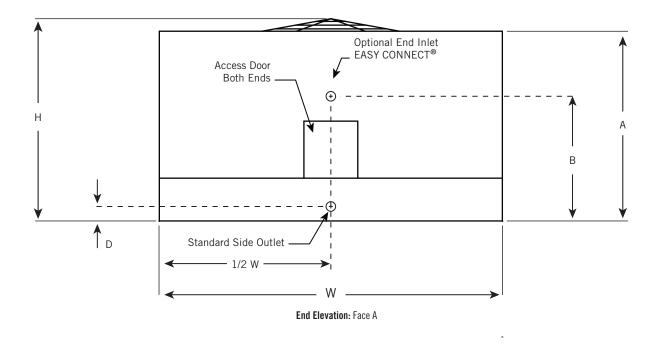


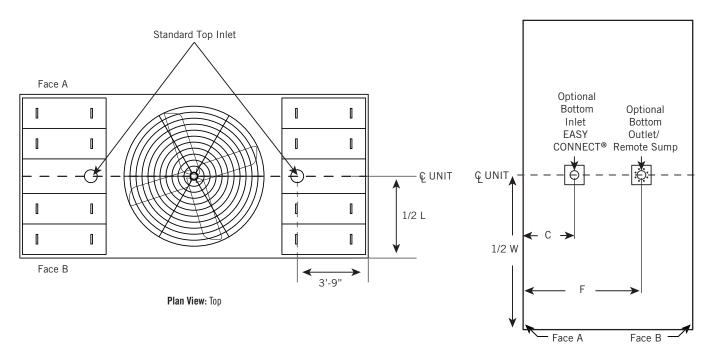
NOTES:

- 1. For dimension locations, see page B32.
- 2. The specific size of the inlet and outlet connection may vary with the design cooling water flow rate.
- 3. Unless otherwise indicated, all connections 3" and smaller are male pipe thread, and connections 4" and larger are beveled for welding and grooved to suit a mechanical coupling.
- 4. On double cell units, connections are the same size but are located on both ends of the unit. Refer to page B28 for side elevation view.

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Plan View: Basin

CONCRETE BASIN ENGINEERING DATA FOR OPTIONAL BASINLESS UNITS

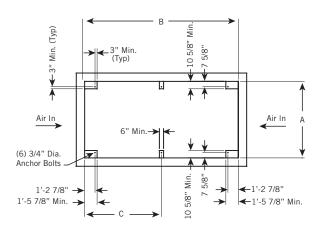
Model Number	Operating Load Vertical (lbs)	Maximum Operating Weight (lbs)	A	В	C	D	
3240C	2,420	9,690					
3272C	2,460	9,820	9'-1 3/4"	18'-4 1/2"	9'-2 1/4"	_	
3299C	2,470	9,880					
3333C	2,670	10,670					
3358C	2,680	10,700	9'-1 3/4"	18'-4 1/2"	9'-2 1/4"	_	
3379C	2,690	10,750					
3412C	3,130	12,510	10/ 5 1/4"	201 4 1 /0"	10/ 0 1/4//		
3436C	3,140	12,560	10'-5 1/4"	20'-4 1/2"	10'-2 1/4"	_	
3455C	3,350	13,410					
3482C	3,370	13,460	10'-5 1/4"	20'-4 1/2"	10'-2 1/4"	_	
3527C	3,410	13,620					
3473C	3,770	15,070	101 5 0 (41)	011 10 1 /0"	10/ 11 1/4//		
3501C	3,780	15,120	12'-5 3/4"	21'-10 1/2"	10'-11 1/4"	_	
3552C	4,100	16,410		21'-10 1/2"	10'-11 1/4"		
3604C	4,140	16,570	10, 50,47				
3648C	4,150	16,580	12'-5 3/4"			_	
3672C	4,450	17,780					
3728C	5,640	22,570					
3781C	5,650	22,580	12'-5 3/4"	21'-10 1/2"	10'-11 1/4"	_	
3828C	5,700	22,800					
3872C	6,390	25,540					
3923C	6,440	25,760	12'-5 3/4"	21'-10 1/2"	10'-11 1/4"	_	
3970C	6,760	27,040					
3985C	7,690	30,750	10, 50,42	011 10 1 /0"	10/ 11 1/4//		
31056C	7,710	30,840	12'-5 3/4"	21'-10 1/2"	10'-11 1/4"	_	
3583C	3,100	18,630					
3618C	3,110	18,680	14' 7 1/0"	24' 4 1/2"	7' 0 1/4"	0' 0"	
3676C	3,140	18,840	14'-7 1/8"	24'-4 1/2"	7'-8 1/4"	9'-0"	
3725C	3,140	18,850					
31132C	4,940	29,620	14'-7 1/8"	24'-4 1/2"	7'-8 1/4"	9'-0"	
31213C	5,440	32,630	147.7.1707	04/ 4.1/0/	7/ 0 1/4//	01.02	
31301C	5,820	34,920	14'-7 1/8"	24'-4 1/2"	7'-8 1/4"	9'-0"	

NOTES:

- Purchaser to design, construct, and furnish basin (including anchor bolts) in accordance with requirements given. Purchaser must also supply sump, overflow, drain, cleanout, and water make-up to suit requirements.
- 2. All anchor bolts shall be 3/4" diameter, 1 1/2" projection (±1/4"), fully threaded. Bolt to have one nut and washer. Anchor bolt and column bearing point locations and elevations must be maintained ±1/8".
- 3. Pier dimensions shown are minimum bearing surfaces required for the tower structure and do not include corner chamfers on the concrete piers.
- 4. Fill to be located below the operating water level (see Side View of Concrete Basin for All Models on next page).
- Maximum operating weight does not include concrete basin or water retained in the basin.

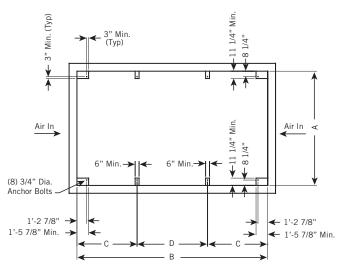
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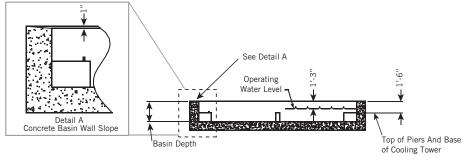
Plan View of Concrete Basin:

Models 3240C thru Models 31056C



Plan View of Concrete Basin:

Models 3583C thru Models 31301C



Side View of Concrete Basin: All Models

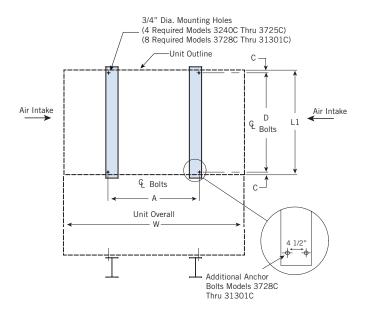
Series 3000 Structural Support

The recommended support arrangement for the Series 3000 Cooling Tower consists of parallel I-beams positioned as shown in the drawings on **page B36**. Besides providing adequate support, the steel also serves to raise the unit above any solid foundation to assure access to the bottom of the tower. The Series 3000 Cooling Tower may also be supported on columns at the anchor bolt locations shown in Plan A (single cell) or Plan C (double cell). A minimum bearing surface of 12" x 12" must be provided under each of the concentrated load points. Alternate steel support arrangements can be found on **page B37**. To support a Series 3000 Cooling Tower on columns with an alternate steel support arrangement or the optional upgraded seismic and wind rated unit, consult your local BAC Representative.

STRUCTURAL SUPPORT

		Weights (lbs)			Dimensions								
Model Number	Operating ^[1]	Shipping ^[1,2]	WT. at Bolt Hole Locations	L1	L2	W	A	В	C	D	E		
3240C	15,200	7,610	3,800										
3272C	15,320	7,730	3,830	8'-5 3/4"	17'-2"	18'-0 1/2"	9'-4"	9'-4"	1 1/8"	8'-3 1/2"	4 3/4"		
3299C	15,380	7,790	3,845										
3333C	16,190	8,060	4,048										
3358C	16,220	8,090	4,055	8'-5 3/4"	17'-2"	18'-0 1/2	9'-4"	9'-4"	1 1/8"	8'-3 1/2"	4 3/4"		
3379C	16,270	8,140	4,068										
3412C	19,000	9,390	4,750	0' 0 1/4"	19'-9"	20'-0 1/2"	11'-4"	11'-4"	1 1/8"	9'-7"	4 3/4"		
3436C	19,050	9,440	4,763	9'-9 1/4"	19 -9	20 -0 1/2	11 -4	11 -4	1 1/8	9 - /	4 3/4		
3455C	19,770	9,710	4,943		19'-9"	20'-0 1/2"	11'-4"	11'-4"	1 1/8"	9'-7"			
3482C	19,820	9,760	4,955	9'-9 1/4"							4 3/4"		
3527C	19,980	9,920	4,995										
3473C	22,730	10,900	5,683	11' 0 2/4"	22' 10"	21' C 1/2"	10' 10"	10' 10"	1 1/0"	11' 7 1/9"	4 2 /4"		
3501C	22,780	10,950	5,695	11'-9 3/4"	23'-10"	21'-6 1/2"	12'-10"	12'-10"	1 1/8"	11'-7 1/2"	4 3/4"		
3552C	25,150	11,510	6,288		23'-10"	21'-6 1/2"	12'-10"	12'-10"	1 1/8"	11'-7 1/2"			
3604C	25,310	11,670	6,328	111 0 2/4"							4 2 /4"		
3648C	25,320	11,680	6,330	11'-9 3/4"							4 3/4"		
3672C	26,080	12,440	6,520	1									
3728C	30,700	14,460	7,675			21'-6 1/2"	12'-10"	12'-10"	1 1/8"	11'-7 1/2"			
3781C	30,860	14,620	7,715	11'-9 3/4"	23'-10"						4 3/4"		
3828C	30,870	14,630	7,718										
3872C	33,700	15,380	8,425										
3923C	33,910	15,590	8,478	11'-9 3/4"	23'-10"	21'-6 1/2"	12'-10"	12'-10"	1 1/8"	11'-7 1/2"	4 3/4"		
3970C	34,870	16,550	8,718	1									
3985C	36,500	16,360	9,125	11/ 0 2/4//	007 107	01/ 01/07	10/ 10//	10/ 10//	1.1/0"	11/ 7 1/0"	4 2 /4"		
31056C	36,590	16,440	9,148	11'-9 3/4"	23'-10"	21'-6 1/2"	12'-10"	12'-10"	1 1/8"	11'-7 1/2"	4 3/4"		
3583C	32,890	15,650	8,223										
3618C	32,940	15,700	8,235	12/ 11 1/0"	20' 0 2/4"	04' 0 1'0"	15' 4"	15' 4"	1 11/10"	10, 70,42	E 7/0"		
3676C	33,100	15,860	8,275	13'-11 1/8"	28'-0 3/4"	24'-0 1/2"	15'-4"	15'-4"	1 11/16"	13'-7 3/4"	5 7/8"		
3725C	33,110	15,870	8,278										
31132C	43,080	20,830	10,770	13'-11 1/8"	28'-0 3/4"	24'-0 1/2"	15'-4"	15'-4"	1 11/16"	13'-7 3/4"	5 7/8"		
31213C	45,760	21,530	11,440	12' 11 1/0"	20' 0 2//"	24' 0 1/2"	15' 4"	15' 4"	1.11/10"	12' 7 2/4"	E 7/0"		
31301C	47,680	23,450	11,920	13'-11 1/8"	28'-0 3/4"	24'-0 1/2"	15'-4"	15'-4"	1 11/16"	13'-7 3/4"	5 7/8"		





Air Intake

Air Intake

Air Intake

Air Intake

Air Intake

4'-4 1/4"

Required on Models
3728C Thru 31301C

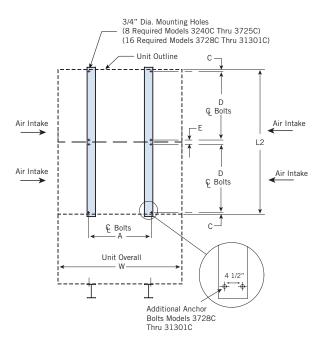
Required on Models
3728C Thru 31301C

Q Bolts
B

Unit Overall
W

Plan A: Single Cell Unit

Plan B: Single Cell Unit



Plan C: Double Cell Unit

NOTES:

- 1. Operating weight is based on the water level in cold water basin at overflow height.
- 2. Unit support beams and anchor bolts to be designed and furnished by others.
- 3. Support beams must be flush and level at top.
- 4. Steel frame members perpendicular to the support beams and under the air intake edges of unit must be at least 2" below the top of the support beams.
- For support beam spacing other than shown, mounting holes in the unit are to be drilled by others.

Series 3000 Alternative Structural Support

The Series 3000 Cooling Towers (excluding basinless option) can accommodate Plan A (single cell) and Plan C (double cell) support with alternative spacing of anchor bolt hole center lines as listed in the following table. BAC will provide specific anchorage drawings in the job file that reflect the revised anchor bolt hole center line dimension only. IBC wind and seismic load ratings are not available on alternate steel support arrrangements. The unit will have pre-punched anchor bolt holes in the standard and minimum hole spacing locations only. All other alternative anchor bolt holes will be located and drilled by others.

ALTERNATIVE STRUCTURAL SUPPORT

Model Number	Maximum Spacing "A" Dimension	Standard Spacing "A" Dimension	Spacing Range to Avoid due to Cold Water Basins Seams Interfere With Bolt Hole Locations	Minimum Spacing "A" Dimension
3240C to 3379C	16'-0"	9'-4"	8'-5 1/2" thru 7'-9 3/8"	7'-5"
3412C to 3527C	16'-0"	11'-4"	10'-1 3/4" thru 9'-5 5/8"	8'-0"
3473C to 31056C	16'-0"	12'-10"	11'-2 3/4" thru 11'-10 7/8"	9'-6"
3583C to 31301C	16'-0"	15'-4"	_	12'-0"



NOTE: The standard structural support figures on **page B36** apply to alternative structural support as well.