



Model C24 Steel Overhead Doors Standard Design Criteria

STANDARD STRUTTING* SCHEDULE

FINISHED DOOR WIDTH	FINISHED DOOR HEIGHT	STRUTS
UP TO 15' 11"	UP TO 18' 1"	NONE REQUIRED
16' 0" - 16' 2"	6' 4" - 9' 6"	(2) 2" U-BARS
	9' 9" - 12' 1"	(3) 2" U-BARS
	12' 3" - 16' 1"	(4) 2" U-BARS
16' 3" - 18' 2"	16' 3" - 18' 1"	(5) 2" U-BARS
	6' 4" - 10' 1"	(4) 2" U-BARS
	10' 3" - 12' 1"	(5) 2" U-BARS
16' 3" - 18' 2"	12' 3" - 14' 1"	(6) 2" U-BARS
	14' 3" - 18' 1"	(7) 2" U-BARS
	6' 4" - 9' 1"	(3) 3" U-BARS
18' 3" - 20' 2"	9' 3" - 12' 1"	(4) 3" U-BARS
	12' 3" - 16' 1"	(5) 3" U-BARS
	16' 3" - 18' 1"	(6) 3" U-BARS
20' 3" - 22' 2"	6' 4" - 8' 1"	(4) 3" U-BARS
	8' 3" - 10' 1"	(5) 3" U-BARS
	10' 3" - 12' 1"	(6) 3" U-BARS
14' 3" - 16' 1"	14' 3" - 16' 1"	(8) 3" U-BARS
	16' 3" - 18' 1"	(9) 3" U-BARS
	6' 4" - 8' 1"	(6) 3" U-BARS
8' 3" - 9' 1"	8' 3" - 9' 1"	(7) 3" U-BARS
	9' 3" - 11' 1"	(8) 3" U-BARS
	11' 3" - 12' 1"	(9) 3" U-BARS
12' 3" - 14' 1"	12' 3" - 14' 1"	(10) 3" U-BARS
	14' 3" - 16' 1"	(12) 3" U-BARS
CONSULT FACTORY FOR DOORS EXCEEDING 24' 2" WIDE		(13) 3" U-BARS

*WAYNE DALTON'S STANDARD COMMERCIAL PRODUCT SUBMITTED BASED ON DESIGN CRITERIA PROVIDED. MINIMUM WIND LOAD AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION OVER THE GEOGRAPHICAL LOCATION OF DOORS) INSTALLATION MAY REQUIRE ADDITIONAL DESIGN CONSIDERATION AND/OR CLEARANCES. CONSULT FACTORY IF SPECIFIC WIND LOAD REQUIREMENTS APPLY.

HIGH CYCLE TORSION ASSEMBLY
OPTIONAL UPGRADES

OPTION	DESCRIPTION
10,000 CYCLES	STANDARD MINIMUM CYCLES
25,000 CYCLES	SPRINGS ONLY THERMOSPAN 200
50,000 CYCLES (SPRINGS ONLY)	STANDARD THERMOSPAN 200-20 UP TO & INCLUDING 144 SQ. FT (MAY REQUIRE SOLID SHAFT UPGRADE)
100,000 CYCLES (SPRINGS ONLY)	UP TO & INCLUDING 144 SQ. FT (MAY REQUIRE SOLID SHAFT UPGRADE)
50,000 HIGH CYCLE DOOR SYSTEM	50,000 CYCLE SPRINGS
	END BRACKETS WITH FLANGE BEARINGS
	PRECISION 10 BALL ROLLERS
100,000 HIGH CYCLE DOOR SYSTEM	CHAIN TENSIONER (JACK SHAFT OPERATOR) SOLID SHAFT (UPGRADE IF APPLICABLE)
	END BRACKETS WITH FLANGE BEARINGS
	PRECISION 10 BALL ROLLERS
	11 GAUGE END HINGES
	CHAIN TENSIONER (JACK SHAFT OPERATOR) SOLID SHAFT (UPGRADE IF APPLICABLE)

PANEL & GLAZING SCHEDULE

FINISHED DOOR WIDTH	No. OF PANELS	MAX No. OF 24x6 LITES PER SECTION	MAX No. OF FULL VIEW SECTIONS	
			LIGHT GLAZING **	HEAVY GLAZING ***
7' 0" - 8' 3"	2	2		
8' 4" - 9' 0"	3	1 (CENTER PANEL ONLY)		No. OF SECTIONS MINUS 1 *
9' 1" - 12' 3"	3	3		No. OF SECTIONS MINUS 1 *
12' 4" - 13' 0"	4	2 (CENTER PANELS ONLY)		No. OF SECTIONS MINUS 1 *
13' 1" - 14' 2"	4	4		No. OF SECTIONS MINUS 1 *
13' 3" - 16' 3"	4	4		2
16' 4" - 17' 0"	5	3 (CENTER PANELS ONLY)		2
17' 1" - 20' 3"	5	5		2
20' 4" - 21' 0"	6	4 (CENTER PANELS ONLY)		2
21' 1" - 23' 7"	6	6		1
23' 8" - 24' 2"	7	5 (CENTER PANELS ONLY)		2

SEE MODEL C24 FOR DOORS EXCEEDING 20' 2" WIDE

* NOT AVAILABLE IN LOCK SECTION (IF KEVED LOCK REQUIRED) OR IN BOTTOM SECTION.

** LIGHT GLAZING = 1/8" GLAZING OR 1/4" ACRYLIC & LEXAN

*** HEAVY GLAZING = 1/2" GLAZING OR 1/4" GLASS (DOUBLE END STILES REQUIRED)

SPECIAL APPLICATION PRODUCTS & SERVICES AVAILABLE

ITEM	DESCRIPTION
PASS DOOR	SEE MODEL 220 FOR PASS DOOR
MANUAL CARRY-AWAY MULLION	EXTRUDED ALUMINUM DESIGN 10 FT. HIGH MAXIMUM; 2" TRACK ONL 30-1/2" HEADROOM REQUIRED (STD. LIFT)
SWING-UP MULLION WITH MANUAL WINCH	EXTRUDED ALUMINUM DESIGN 18 FT. HIGH MAXIMUM DOOR & MULLION OVERLAPS; HEADER 4" 2" TRACK - 34-1/2" HEADROOM REQUIRED 3" TRACK - 35-1/2" HEADROOM REQUIRED
OVERSIZED SECTIONAL OVERHEAD DOOR WIDTHS	CONSULT FACTORY FOR MODEL 2415 DOORS OVER 24'-2" WIDE
OBSTRUCTED OPERATING ZONE	SITE SPECIFIC DESIGN ENGINEERED TRACK SYSTEMS

SECTION HEIGHTS

FINISHED DOOR HEIGHT	SECTION STACK HEIGHT	No. OF 24" SECTIONS	No. OF 21" SECTIONS	No. OF 21" SECTIONS
6' 1"	6' 0"	3	0	0
6' 4"	6' 3"	0	0	4
6' 7"	6' 6"	0	1	3
6' 9"	6' 8"	0	2	2
6' 11"	6' 10"	0	3	1
7' 1"	7' 0"	0	4	0
7' 4"	7' 3"	1	3	0
7' 7"	7' 6"	2	2	0
7' 10"	7' 9"	3	1	0
8' 1"	8' 0"	4	0	0
8' 4"	8' 3"	0	2	3
8' 8"	8' 7"	0	4	1
8' 10"	8' 9"	0	5	0
9' 1"	9' 0"	1	4	0
9' 4"	9' 3"	2	3	0
9' 7"	9' 6"	3	2	0
9' 10"	9' 9"	4	1	0
10' 1"	10' 0"	5	0	0
10' 4"	10' 3"	1	2	3
10' 7"	10' 6"	0	6	0
10' 10"	10' 9"	1	5	0
11' 1"	11' 0"	2	4	0
11' 4"	11' 3"	3	3	0
11' 7"	11' 6"	4	2	0
11' 10"	11' 9"	5	1	0
12' 1"	12' 0"	6	0	0
12' 4"	12' 3"	2	2	3
12' 7"	12' 6"	1	6	0
12' 10"	12' 9"	2	5	0
13' 1"	13' 0"	3	4	0
13' 4"	13' 3"	4	3	0
13' 7"	13' 6"	5	2	0
13' 10"	13' 9"	6	1	0
14' 1"	14' 0"	7	0	0
14' 4"	14' 3"	3	2	3
14' 7"	14' 6"	2	6	0
14' 10"	14' 9"	3	5	0
15' 1"	15' 0"	4	4	0
15' 4"	15' 3"	5	3	0
15' 7"	15' 6"	6	2	0
15' 10"	15' 9"	7	1	0
16' 1"	16' 0"	8	0	0
16' 4"	16' 3"	4	2	3
16' 7"	16' 6"	3	6	0
16' 10"	16' 9"	4	5	0
17' 1"	17' 0"	5	4	0
17' 4"	17' 3"	6	3	0
17' 7"	17' 6"	7	2	0
17' 10"	17' 9"	8	1	0
18' 1"	18' 0"	9	0	0

CONSULT FACTORY FOR DOORS OVER 18' HIGH