



# Model 2411/2415 Steel Overhead Doors Standard Design Criteria

MODEL 2411

STANDARD STRUTTING\* SCHEDULE

FINISHED DOOR WIDTH	STRUTS
UP TO 12'-2"	NONE REQUIRED
12'-3" - 16'-2"	(1) 2" U-BAR PER SECTION
16'-3" - 20'-2"	(1) 3" U-BARS PER SECTION
SEE MODEL 2415 FOR DOORS EXCEEDING 20'-2" WIDE	

MODEL 2415

STANDARD STRUTTING\* SCHEDULE

FINISHED DOOR WIDTH	STRUTS
UP TO 12'-2"	NONE REQUIRED
12'-3" - 16'-2"	(1) 2" U-BAR PER SECTION
16'-3" - 20'-2"	(1) 3" U-BARS PER SECTION
20'-3" - 24'-2"	(1) 6" BUILT-UP TRUSS PER SECTION
CONSULT FACTORY FOR DOORS EXCEEDING 24'-2" WIDE	

\*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 DOOR(S) 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 STANDARD THERMOSPAN 200-20
50,000 CYCLES (SPRINGS ONLY)	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 TO BALL ROLLERS 11 GAUGE END HINGES CHAIN TENSIONER (JACK SHAFT OPERATOR) SOLID SHAFT (UPGRADE IF APPLICABLE)
100,000 HIGH CYCLE DOOR SYSTEM	100,000 CYCLE SPRINGS
	END BRACKETS WITH FLANGE BEARINGS PRECISION TO BALL ROLLERS 11 GAUGE END HINGES CHAIN TENSIONER (JACKSHAFT OPERATOR) SOLID SHAFT (UPGRADE IF APPLICABLE)

MODEL 2411

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***
UP TO 9'-2"	2	2	No. OF SECTIONS MINUS 1*	No. OF SECTIONS MINUS 1*
9'-3" - 12'-2"	3	3		
12'-3" - 14'-2"	4	4		
14'-3" - 16'-2"	4	4		2
16'-3" - 19'-2"	5	5	3	2
19'-3" - 20'-2"	6	6	3	2
SEE MODEL 2415 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)

MODEL 2415

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***
UP TO 9'-2"	2	2	No. OF SECTIONS MINUS 1*	No. OF SECTIONS MINUS 1*
9'-3" - 12'-2"	3	3		
12'-3" - 14'-2"	4	4		
14'-3" - 16'-2"	4	4		2
16'-3" - 19'-2"	5	5	3	2
19'-3" - 20'-2"	6	6	3	2
20'-3" - 24'-2"	6	6	2	1
CONSULT FACTORY FOR DOORS EXCEEDING 24'-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 2200 FOR PASS DOOR
MANUAL CARRY-AWAY MULLION	EXTRUDED ALUMINUM DESIGN 10 FT. HIGH MAXIMUM; 2" TRACK ONLY 30-1/2" HEADROOM REQUIRED (S.T.D. 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

MODEL 2411/2415

SECTION HEIGHTS

FINISHED DOOR HEIGHT	SECTION STACK HEIGHT	No. OF 24" SECTIONS	No. OF 21" SECTIONS
5'4"	5'3"	0	3
5'7"	5'6"	1	2
5'10"	5'9"	2	1
6'1"	6'0"	3	0
7'1"	7'0"	0	4
7'4"	7'3"	1	3
7'7"	7'6"	2	2
7'10"	7'9"	3	1
8'1"	8'0"	4	0
8'10"	8'9"	0	5
9'1"	9'0"	1	4
9'4"	9'3"	2	3
9'7"	9'6"	3	2
9'10"	9'9"	4	1
10'1"	10'0"	5	0
10'7"	10'6"	0	6
10'10"	10'9"	1	5
11'1"	11'0"	2	4
11'4"	11'3"	3	3
11'7"	11'6"	4	2
11'10"	11'9"	5	1
12'1"	12'0"	6	0
12'4"	12'3"	0	7
12'7"	12'6"	1	6
12'10"	12'9"	2	5
13'1"	13'0"	3	4
13'4"	13'3"	4	3
13'7"	13'6"	5	2
13'10"	13'9"	6	1
14'1"	14'0"	7	0
14'4"	14'3"	1	7
14'7"	14'6"	2	6
14'10"	14'9"	3	5
15'1"	15'0"	4	4
15'4"	15'3"	5	3
15'7"	15'6"	6	2
15'10"	15'9"	7	1
16'1"	16'0"	8	0
SEE MODEL 2415 FOR MODEL 2411 OVER 16' HIGH			
16'4"	16'3"	2	7
16'7"	16'6"	3	6
16'10"	16'9"	4	5
17'1"	17'0"	5	4
17'4"	17'3"	6	3
17'7"	17'6"	7	2
17'10"	17'9"	8	1
18'1"	18'0"	9	0
CONSULT FACTORY FOR MODEL 2415 OVER 18' HIGH			