



Thermomark™ 5150 Insulated Overhead Doors Standard Design Criteria

STANDARD STRUTTING* SCHEDULE

NON-BROWN DOORS	
FINISHED DOOR WIDTH	STRUTS
UP TO 10'-2"	NONE REQUIRED
10'-3" - 14'-2"	(1) 2" U-BAR
14'-3" - 16'-2"	(1) 3" U-BAR EVERY OTHER SECTION
16'-3" - 18'-2"	(1) 3" U-BAR EVERY SECTION
18'-3" - 20'-2"	(1) 3" U-BAR EVERY SECTION + 1
20'-3" - 22'-2"	(1) 6" Z-GIRT TRUSS EVERY OTHER SECTION

BROWN DOORS	
FINISHED DOOR WIDTH	STRUTS
UP TO 10'-2"	NONE REQUIRED
10'-3" - 12'-2"	(1) 2" U-BAR
12'-3" - 16'-2"	(1) 3" U-BAR EVERY OTHER SECTION + 1
16'-3" - 18'-2"	(1) 3" U-BAR EVERY SECTION
18'-3" - 20'-2"	(1) 3" U-BAR EVERY SECTION + 1
20'-3" - 22'-2"	(1) 6" Z-GIRT TRUSS EVERY OTHER SECTION

***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 10 BALL ROLLERS 11 GAUGE END HINGES CHAIN TENSIONER (JACKSHAFT OPERATOR) SOLID SHAFT (UPGRADE IF APPLICABLE)
100,000 HIGH CYCLE DOOR SYSTEM	100,000 CYCLE SPRINGS END BRACKETS WITH FLANGE BEARINGS PRECISION 10 BALL ROLLERS 11 GAUGE END HINGES CHAIN TENSIONER (JACKSHAFT OPERATOR) SOLID SHAFT (UPGRADE IF APPLICABLE)

PANEL & GLAZING SCHEDULE

FINISHED DOOR WIDTH	No. OF PANELS		MAX No. OF 24x6 or StyleLine™ Colonial SSB LITES PER SECTION		MAX No. OF FULL VIEW SECTIONS		No. OF SECTIONS MINUS 1 *	No. OF SECTIONS MINUS 1 *
	RAISED PANEL	FLUSH	RAISED PANEL	FLUSH	LIGHT GLAZING **	HEAVY GLAZING ***		
UP TO 9'-2"	4	2	4	2				
9'-3" - 11'-2"	5	3	5	3				
11'-3" - 12'-2"	6	3	6	3				
12'-3" - 13'-2"	6	4	6	4				
13'-3" - 14'-2"	7	4	7	4				
14'-3" - 15'-2"	7	4	7	4			3	
15'-3" - 16'-2"	8	4	8	4			3	
16'-3" - 18'-2"	8	5	8	5	3		2	
18'-3" - 19'-2"	10	5	10	5	3		2	
19'-3" - 20'-2"	10	6	10	6	3		2	
20'-3" - 21'-2"	10	6	10	6	2		1	
21'-3" - 22'-2"	11	6	11	6	2		1	

* NOT AVAILABLE IN LOCK SECTION (IF KEYED 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 THERMOSPAN™ 200
MANUAL CARRY-AWAY MULLION	EXTRUDED ALUMINUM DESIGN 10 FT. HIGH MAXIMUM; 2" TRACK ONLY 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 HEIGHTS	CONSULT FACTORY FOR DOORS OVER 16' 1" HIGH
OBSTRUCTED OPERATING ZONE	SITE SPECIFIC DESIGN ENGINEERED TRACK SYSTEMS

SECTION HEIGHTS

FINISHED DOOR HEIGHT	SECTION STACK HEIGHT	No. OF 24" SECTIONS	No. OF 20.8" SECTIONS	No. OF 18" SECTIONS
6' 1"	6' 0"	3	0	0
6' 6"	6' 5.6"	0	2	2
6' 9"	6' 8.4"	0	3	1
7' 0"	6' 11.2"	0	4	0
7' 3"	7' 2.4"	1	3	0
7' 6"	7' 5.6"	2	2	0
7' 9"	7' 8.8"	3	1	0
8' 1"	8' 0"	4	0	0
8' 3"	8' 2.4"	0	3	2
8' 6"	8' 5.2"	0	4	1
8' 8"	8' 8"	0	5	0
9' 0"	8' 11.2"	1	4	0
9' 3"	9' 2.4"	2	3	0
9' 6"	9' 5.6"	3	2	0
9' 9"	9' 8.8"	4	1	0
10' 1"	10' 0"	5	0	0
10' 6"	10' 6"	0	0	7
10' 8"	10' 8"	1	5	0
11' 0"	10' 11.2"	2	4	0
11' 3"	11' 2.4"	3	3	0
11' 6"	11' 5.6"	4	2	0
11' 9"	11' 8.8"	5	1	0
12' 1"	12' 0"	6	0	0
12' 2"	12' 1.6"	0	7	0
12' 5"	12' 4.8"	1	6	0
12' 8"	12' 8"	2	5	0
13' 0"	12' 11.2"	3	4	0
13' 3"	13' 2.4"	4	3	0
13' 6"	13' 5.6"	5	2	0
13' 9"	13' 8.8"	6	1	0
14' 1"	14' 0"	7	0	0
14' 2"	14' 1.6"	1	7	0
14' 5"	14' 4.8"	2	6	0
14' 8"	14' 8"	3	5	0
15' 0"	14' 11.2"	4	4	0
15' 3"	15' 2.4"	5	3	0
15' 6"	15' 5.6"	6	2	0
15' 9"	15' 8.8"	7	1	0
16' 1"	16' 0"	8	0	0

CONSULT FACTORY FOR DOORS OVER 16' HIGH