



# Thermospan™ 150 Insulated Overhead Doors Standard Design Criteria

STANDARD STRUTTING\* SCHEDULE

FINISHED DOOR WIDTH	STRUTS
UP TO 16'-2"	NONE REQUIRED
16'-3" - 18'-2"	(1) 3" U-BAR PER SECTION
18'-3" - 20'-2"	(1) 3" U-BAR PER SECTION PLUS (1) 3" U-BAR EVERY OTHER SECTION
20'-3" - 22'-2"	(2) 3" U-BARS PER SECTION
22'-3" - 26'-2"	(1) 6" BUILT-UP TRUSS PER SECTION
SEE THERMOSPAN	™ 200 FOR DOORS EXCEEDING 26'-2" WIDE

\*WAYNE-DALTON'S STANDARD COMMERCIAL PRODUCT SUBMITTE  
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.

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
24'-3" - 26'-2"	7	7	1	1
SEE THERMOSPAN	™ 200 FOR DOORS EXCEEDING 26'-2" WIDE			

\* NOT AVAILABLE IN LOCK SECTION (IF KEYPED 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)

SECTION HEIGHTS

FINISHED DOOR HEIGHT	SECTION STACK HEIGHT	No. OF 24" SECTIONS	No. OF 20.8" SECTIONS
5' 3"	5' 2.4"	0	3
5' 6"	5' 5.6"	1	2
5' 9"	5' 8.8"	2	1
6' 1"	6' 0"	3	0
7' 0"	6' 11.2"	0	4
7' 3"	7' 2.4"	1	3
7' 6"	7' 5.6"	2	2
7' 9"	7' 8.8"	3	1
8' 1"	8' 0"	4	0
8' 8"	8' 8"	0	5
9' 0"	8' 11.2"	1	4
9' 3"	9' 2.4"	2	3
9' 6"	9' 5.6"	3	2
9' 9"	9' 8.8"	4	1
10' 1"	10' 0"	5	0
10' 5"	10' 4.8"	0	6
10' 8"	10' 8"	1	5
11' 0"	10' 11.2"	2	4
11' 3"	11' 2.4"	3	3
11' 6"	11' 5.6"	4	2
11' 9"	11' 8.8"	5	1
12' 1"	12' 0"	6	0
12' 2"	12' 1.6"	0	7
12' 5"	12' 4.8"	1	6
12' 8"	12' 8"	2	5
13' 0"	12' 11.2"	3	4
13' 3"	13' 2.4"	4	3
13' 6"	13' 5.6"	5	2
13' 9"	13' 8.8"	6	1
14' 1"	14' 0"	7	0
14' 2"	14' 1.6"	1	7
14' 5"	14' 4.8"	2	6
14' 8"	14' 8"	3	5
15' 0"	14' 11.2"	4	4
15' 3"	15' 2.4"	5	3
15' 6"	15' 5.6"	6	2
15' 9"	15' 8.8"	7	1
16' 1"	16' 0"	8	0
CONSULT FACTORY FOR THERMOSPAN 150 OVER 16' HIGH			

HIGH CYCLE TORSION ASSEMBLY  
OPTIONAL UPGRADES

OPTION	DESCRIPTION
10,000 CYCLES	STANDARD MINIMUM CYCLES
25,000 CYCLES	SPRINGS ONLY
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)

SPECIAL APPLICATION  
PRODUCTS & SERVICES AVAILABLE

ITEM	DESCRIPTION
PASS DOOR	SEE THERMOSPAN ™ 200 FOR PASS DOOR
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 THERMOSPAN PRODUCT IN FINISHED DOOR HEIGHTS OVER 16'-1"
OBSTRUCTED OPERATING ZONE	SITE SPECIFIC DESIGN ENGINEERED TRACK SYSTEMS