

**MODEL #:**  
 524    520  
 524V    520S  
 524S

**SECTION TYPE:**  
**TONGUE & GROOVE**

**VINYL TOP SEAL:**  
 YES  
 NO

**EXPANDED POLY-  
 STYRENE INSULATION:**  
 YES  
 R=6.8; U=.162  
 NO

**INSULATION BACKSHEET:**  
 EXPANDED POLYSTYRENE WITH HAIRCELL LINER  
 30 GA. PRE-PAINTED STEEL (STD.)  
 24 GA. PRE-PAINTED STEEL (OPTIONAL)

**SKIN MATERIAL:**  
 20 GA. GALV. PRE-PAINTED (520, 520S)  
 24 GA. GALV. PRE-PAINTED (524, 524S, 524V)

**REINFORCING STRUTS:**  
 SEE TABLE #3  
 NONE  
 2 1/4" STRUT  
 3" STRUT  
 4" C-CHANNEL

**FULL-VISION SECTIONS ONLY**  
 1 1/4" x 1 1/4" x 1/8" ALUMINUM ANGLE  
 2" x 2" x 1/8" ALUMINUM ANGLE

**AIRCRAFT CABLE:**  
 7:1 SAFETY FACTOR

**BOTTOM ASTRAGAL:**  
 3 1/2" (STANDARD)  
 7" (OPTIONAL)

**NOTE: FULL-VISION SECTION  
 AVAILABLE FOR ALL SECTIONS  
 EXCEPT THE BOTTOM SECTION.**

**STEEL BALL BEARING ROLLER:**

**DOUBLE END STILE:**  
 (SEE TABLE #4)  
 YES  
 NO

**CENTER STILES:**  
 18 GA. BRIGHT GALV.

**INSULATED**

**CENTER HINGE:**  
 14 GA.

**UN-INSULATED**

**TOP BRACKET:**  
 12 GA.

**END STILES:**  
 18 GA. PRE-PAINTED THRU 14 1/2" WIDE  
 16 GA. PRE-PAINTED OVER 14 1/2" WIDE

**ROLLER HINGE:**  
 14 GA. MIN.

**DOOR HEIGHT**

**EXTERIOR COLOR:**  
 WHITE  
 BROWN

**LOCK:**  
 #2 END STILE  
 #7 CYLINDER LOCK (NOT AVAILABLE IN FULL-VISION SECTION)  
 NONE

**EXHAUST PORT:**  
 LEFT  
 RIGHT  
 CENTER  
 NONE

**GLAZING:**  
 SOLID - NO GLAZING

**UN-INSULATED DOORS**  
 1/8" DSB (STD)  
 1/8" TEMPERED GLASS  
 1/8" PLEXIGLASS  
 1/4" TEMPERED GLASS  
 1/4" WIRE

**INSULATED DOORS**  
 3/4" INS. GLASS (STD)  
 3/4" TEMP. INS. GLASS

**WINDOW OPTIONS:**  
 24" X 6"  
 24" X 12"

**24" x 6" WINDOW LITE**

**24" x 12" WINDOW LITE**

**SCREW TOGETHER POLYPROPYLENE FRAME WINDOW (COLOR TO MATCH EXTERIOR)**

**MAX. LITES PER SECTION =  
 # OF PANELS PER SECTION**

**FULL-VISION SECTIONS:  
 THRU 20 1/2" WIDE**  
 1/8" DSB  
 1/8" PLEXIGLASS  
 1/4" WIRE  
 1/2" INSULATED

**TYP. SECTION**

**TYP. PANEL**

**BOTTOM BRACKET:**  
 12 GA. MIN.

**DOOR WIDTH**

**2 1/8"**

**FULL-VISION DETAIL**

**CUST:** \_\_\_\_\_

**JOB:** \_\_\_\_\_

**ARCH:** \_\_\_\_\_

**CONT:** \_\_\_\_\_

**MODEL #:** \_\_\_\_\_

**QTY:** \_\_\_\_\_

**# OF SECTIONS HIGH (SEE TABLE #1)**

**SECTIONS TO GLAZE:** \_\_\_\_\_

**DOOR WIDTH:** \_\_\_\_\_

**# OF PANELS WIDE (SEE TABLE #2)**

**PANELS TO GLAZE:** \_\_\_\_\_

**SHEET 'M-17'**

**DATE:** \_\_\_\_\_

**BID #:** \_\_\_\_\_

**PAGE** \_\_\_\_\_ **of** \_\_\_\_\_

REV. JUNE 2003

## MODEL NO. 524, 524V, 524S, 520, 520S

**TABLE #1  
 SECTION CHART**

DOOR HEIGHT	NUMBER OF SECTIONS
6'0"	3
6'3" - 8'0"	4
8'3" - 10'0"	5
10'3" - 12'0"	6
12'3" - 14'0"	7
14'3" - 16'0"	8
16'3" - 18'0"	9

**TABLE #3  
 REINFORCEMENT CHART**

REINFORCEMENT	SECTION WIDTHS PER MODEL #		
	524 524V (VINYL) 524S (STEEL)	520	520S (STEEL)
NONE	THRU 122"	THRU 152"	THRU 132"
(1) 2 1/4" FOR EVERY (2) SECTIONS	124" - 142"		
(1) 3" PER SECTION	144" - 162"	154" - 162"	134" - 162"
(1) 3" PER SECTION	164" - 202"	164" - 242"	164" - 202"
(1) 4" C-CHANNEL PER SECTION	204" - 242"	244" - 262"	204" - 262"

\*CONSULT FACTORY FOR OVERSIZED DOORS.

**TABLE #2  
 PANEL CHART**

DOOR WIDTH	NUMBER OF PANELS
6'0" - 9'2"	2
9'4" - 13'2"	3
13'4" - 16'2"	4
16'4" - 20'2"	5
20'4" - 24'2"	6
*24'4" - 26'2"	7

\*FOR 520 & 524 ONLY

**TABLE #4  
 DOUBLE END STILE CHART**

DOUBLE END STILES	ALL MODELS
	14" & OVER

\*CONSULT FACTORY FOR DOORS OVER 18'-0" HIGH