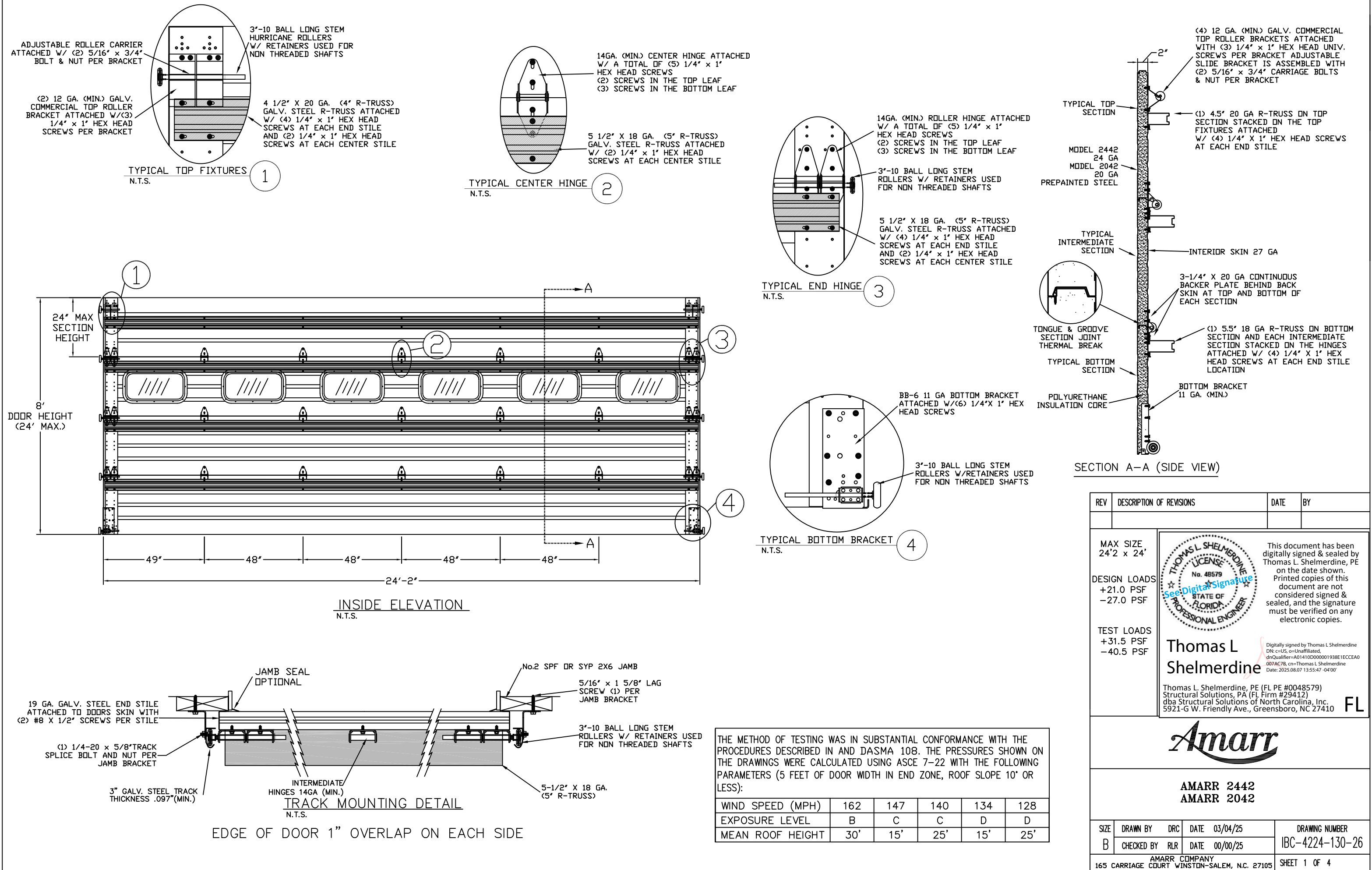




ITW BUILDDEX 1/4"-14 X 3/4" SELF-TAPPING SCREWS (TEKS)

12 GA. OR 3/16" STEEL (SEE BELOW)

1/8" NOM X 1" LONG
FILLET WELD (E60xx
ELECTRODES MIN.)

1/4" LONG TACK
WELD SAME SPACING
AS FILLET WELD

The diagram shows a cross-section of a fillet weld joint between two plates. The weld is labeled with dimensions and electrode specifications. A line points from the text '1/8" NOM X 1" LONG FILLET WELD (E60xx ELECTRODES MIN.)' to the weld metal. Another line points from the text '1/4" LONG TACK WELD SAME SPACING AS FILLET WELD' to a tack weld on the same joint. The joint is shown in a perspective view with a side elevation.

2000 PSI MIN. CONCRETE

2-5/8" THICK WALL MIN. (1.5 x EMBEDMENT)

SIMPSON STRONG-TIE
3/8" Ø WEDGE-ALL
EXPANSION ANCHOR WITH
7/8" Ø WASHER, 1-3/4" MIN. EMBEDMENT

3" MIN. EDGE DISTANCE

2000 PSI MIN. CONCRETE

SIMPSON STRONG-TIE
3/8"Ø SLEEVE-ALL
EXPANSION ANCHOR WITH
7/8"Ø WASHER. 1-3/4" MIN.
EMBEDMENT

2-5/8" THICK
WALL MIN.
(1.5 x EMBEDMENT)

3" MIN. EDGE
DISTANCE

WOOD STRUCTURE

EMBEDMENT

1 1/2" MIN.

2X6 JAMB
TYP.

A diagram showing a cross-section of a "GROUTED BLOCK STRUCTURE". It consists of a rectangular block with a vertical rod passing through its center. The rod is secured with a nut and washer at the bottom. A dimension line below the block indicates a width of 4'.

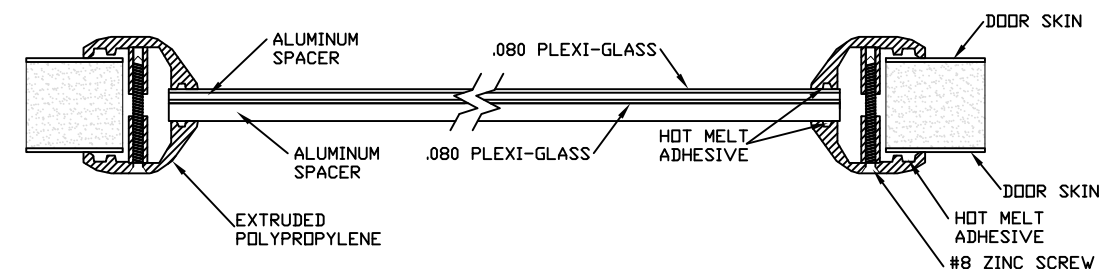
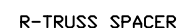
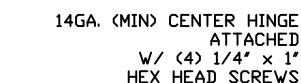
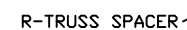
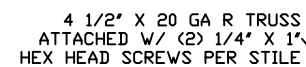
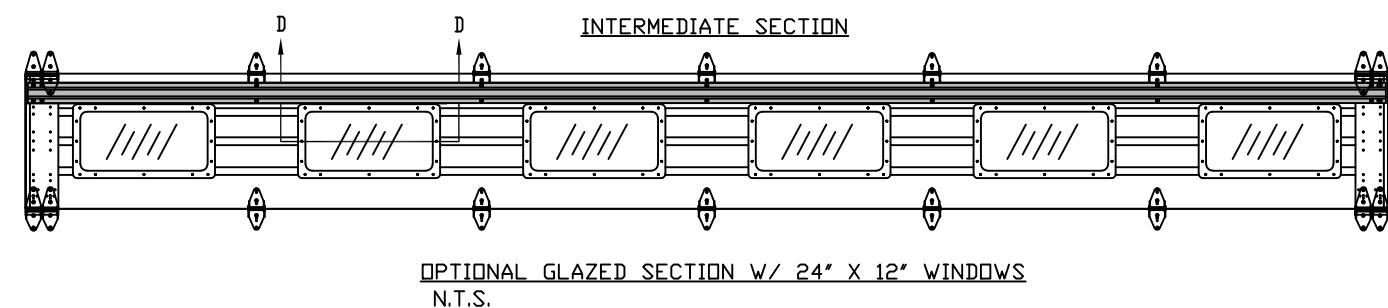
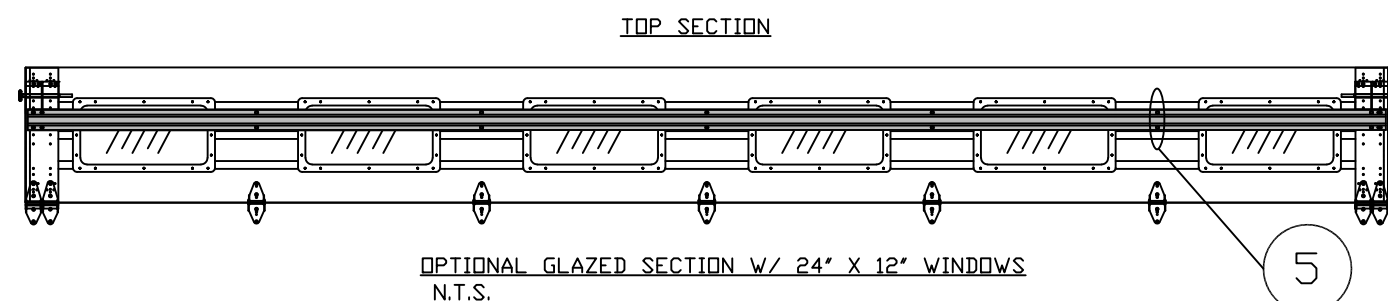
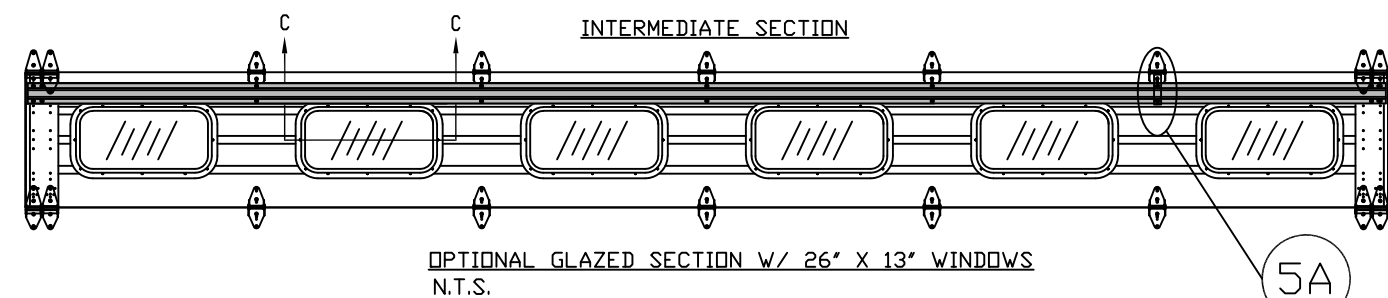
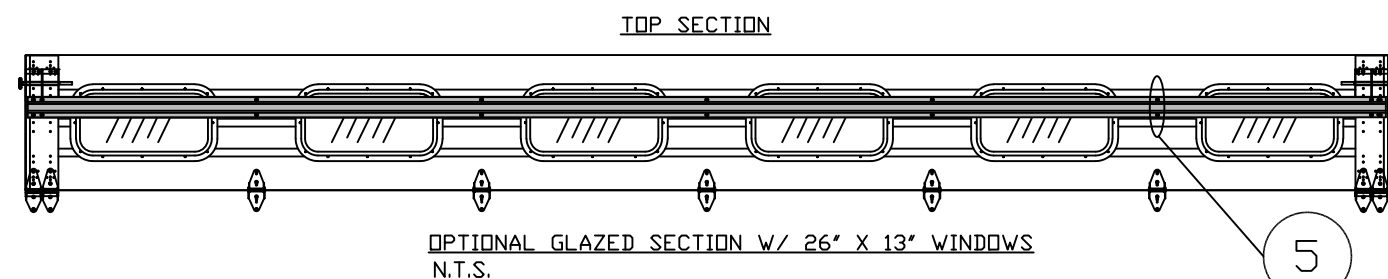
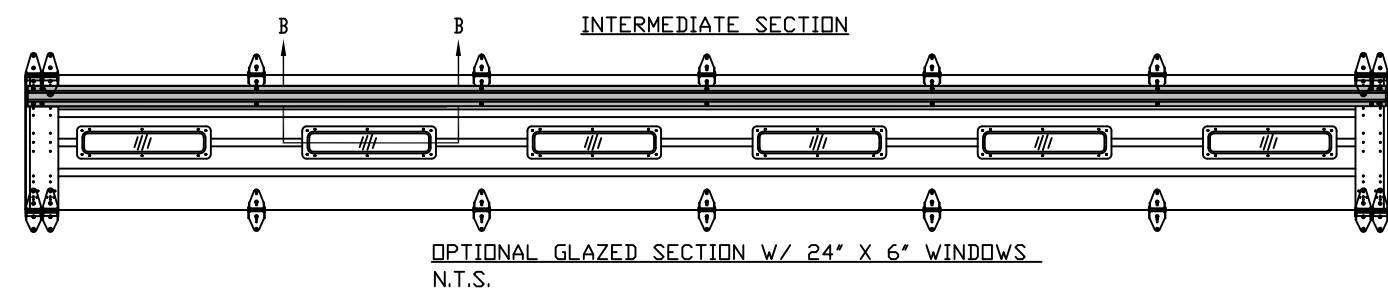
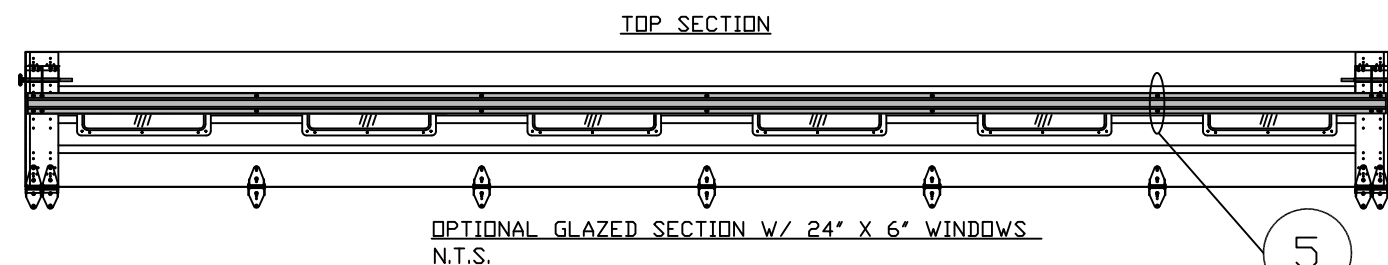
2x6 WOOD JAMB SYP OR SPF (NO.2) OR BETTER (TYP.)

1"

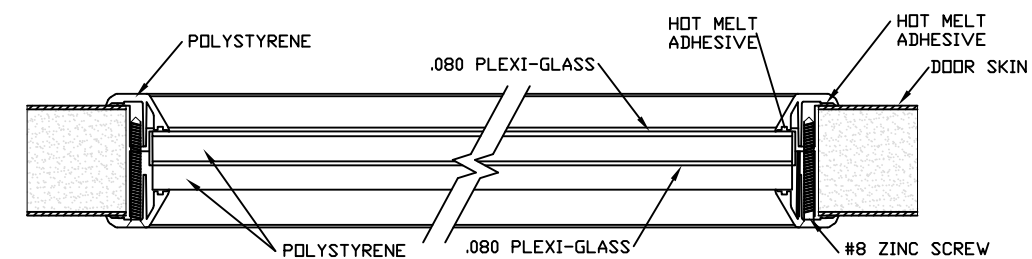
Diagram illustrating the interior of a garage with design loads and width specifications:

- INTERIOR OF GARAGE** (Section Header)
- MAX. WIDTH 24'0"** (Dimension across the top of the structure)
- DESIGN LOADS** (Applied to the bottom of the structure):
 - +253.8 LBS/FT
 - 326.3 LBS/FT
- SEE NOTE 2** (Reference to additional specifications)

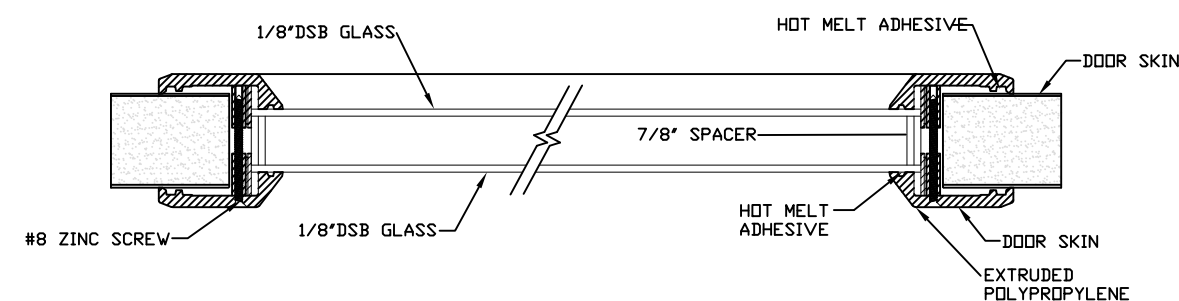
FL



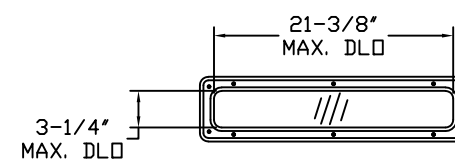
SECTION B-B 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



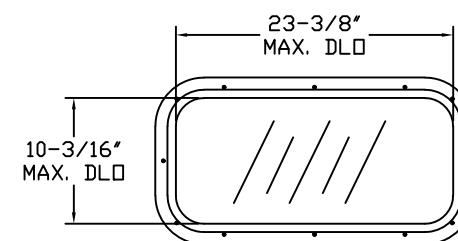
SECTION C-C 26" X 13" WINDOW DETAIL W/ INSULATED PLEXI-GLASS
N.T.S.



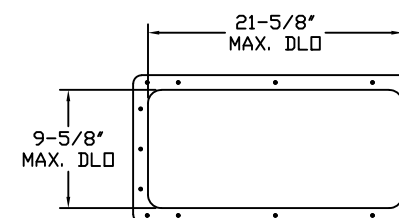
SECTION D-D 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS
N.T.S.



24' X 6' DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



26" X 13" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



24" X 12" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

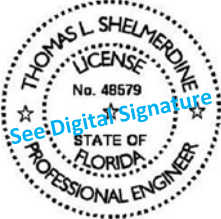
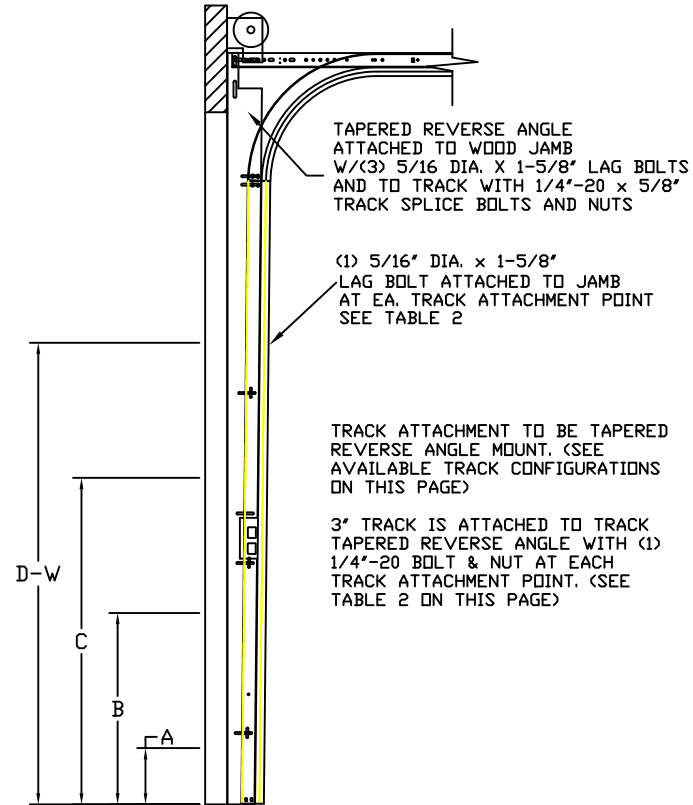
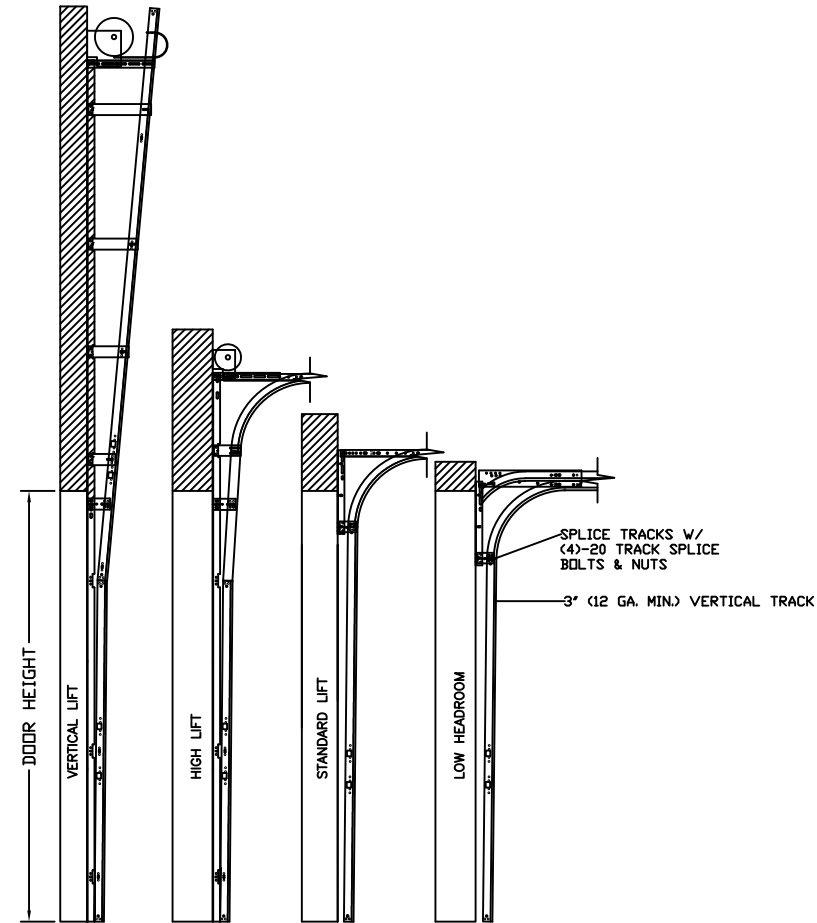
REV	DESCRIPTION OF REVISIONS	DATE	BY
	MAX SIZE 24'2" x 24' DESIGN LOADS +21.0 PSF -27.0 PSF TEST LOADS +31.5 PSF -40.5 PSF	 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies.	
Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410			
			
AMARR 2442 AMARR 2042			
SIZE B	DRAWN BY	DRC	DATE 03/04/25
	CHECKED BY	RLR	DATE 00/00/25
AMARR COMPANY 6155 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-4224-130-20
SHEET 3 OF 4			

TABLE 1

Section Width		Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed	
(ft)	(in)	1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negative (PSF)
19'	4	36	76	116	156	196	25.4	32.7
19'	6	37	77	117	157	197	25.4	32.7
19'	8	38	78	118	158	198	25.4	32.7
19'	10	39	79	119	159	199	25.4	32.7
20'	0	40	80	120	160	200	25.3	32.6
20'	2	41	81	121	161	201	25.1	32.3
20'	4	42	82	122	162	202	24.8	31.9
20'	6	43	83	123	163	203	24.5	31.5
20'	8	44	84	124	164	204	24.2	31.1
20'	10	45	85	125	165	205	23.9	30.8
21'	0	46	86	126	166	206	23.6	30.4
21'	2	47	87	127	167	207	23.4	30.1
21'	4	48	88	128	168	208	23.1	29.7
21'	6	49	89	129	169	209	22.8	29.4
21'	8	50	90	130	170	210	22.6	29.1
21'	10	51	91	131	171	211	22.3	28.7
22'	0	44	88	132	176	220	23	29.6
22'	2	45	89	133	177	221	22.8	29.4
22'	4	46	90	134	178	222	22.6	29.1
22'	6	47	91	135	179	223	22.3	28.7
22'	8	48	92	136	180	224	22.1	28.4
22'	10	49	93	137	181	225	21.9	28.1
23'	0	50	94	138	182	226	21.6	27.8
23'	2	51	95	139	183	227	21.4	27.5
23'	4	44	92	140	188	236	21.2	27.2
23'	6	45	93	141	189	237	21.2	27.2
23'	8	46	94	142	190	238	21.2	27.2
23'	10	47	95	143	191	239	21.2	27.2
24'	0	48	96	144	192	240	21.1	27.1
24'	2	49	97	145	193	241	21	27



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2



AVAILABLE TRACK CONFIGURATIONS

N.T.S.

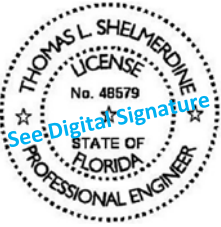
TABLE 3

SECTION	STRUT SIZE
TOP	4.5"
11TH	5.5"
10TH	5.5"
9TH	5.5"
8TH	5.5"
7TH	5.5"
6TH	5.5"
5TH	5.5"
4TH	5.5"
3RD	5.5"
2ND	5.5"
BOTTOM	5.5"

TABLE 2

DOOR																									SPLICE
HEIGHT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	S	
7'	10"	22"	34"	46"	58"																			76"	
8'	10"	22"	34"	46"	58"	70"	82"																	88"	
9'	10"	22"	34"	46"	58"	70"	82"	94"																100"	
10'	10"	22"	34"	46"	58"	70"	82"	94"	106"															112"	
11'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"														124"	
12'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"													136"	
13'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"												148"	
14'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"											160"	
15'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"										172"	
16'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"									184"	
17'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"								196"	
18'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"							208"	
19'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"						220"	
20'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"					232"	
21'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"				244"	
22'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"			256"	
23'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"		268"	
24'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	274"	280"	

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 24'2" x 24' DESIGN LOADS +21.0 PSF -27.0 PSF TEST LOADS +31.5 PSF -40.5 PSF		 See Digital Signature This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies. Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410 FL	
			
AMARR 2442 AMARR 2042			
SIZE	DRAWN BY	DRC	DATE 03/04/25
B	CHECKED BY	RLR	DATE 00/00/25
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-4224-130-26 SHEET 4 OF 4