

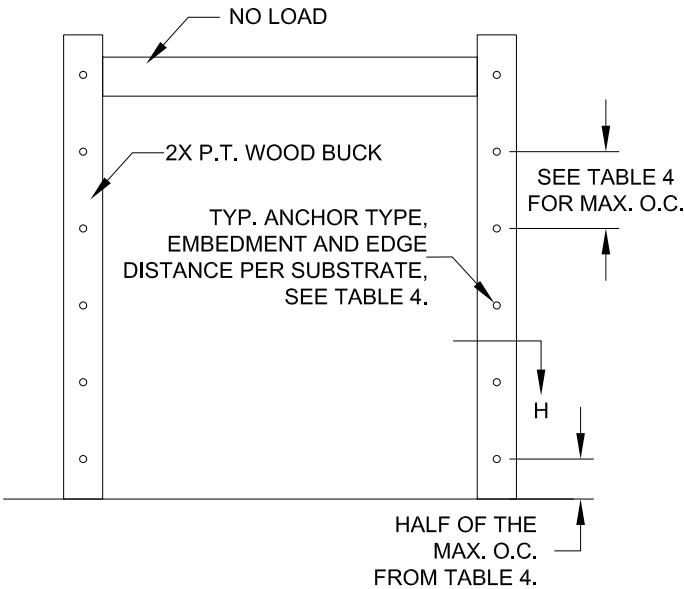
GENERAL NOTES: SERIES GD9995A LARGE & SMALL
MISSILE IMPACT-RESISTANT, ALUMINUM, SECTIONAL,
OPAQUE AND/OR GLAZED GARAGE DOOR

- 1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE.
- 2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
- 3) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENT SHOWN ON TABLE 1, THIS SHEET.
- 4) DESIGN PRESSURES:
DESIGN LOADS BASED ON STRUCTURAL TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300.
- 5) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WINDLOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33-1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. THE 1.6 LOAD DURATION FACTOR WAS USED FOR THE EVALUATION OF ANCHORS INTO WOOD. ANCHORS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE FOR CORROSION RESISTANCE.

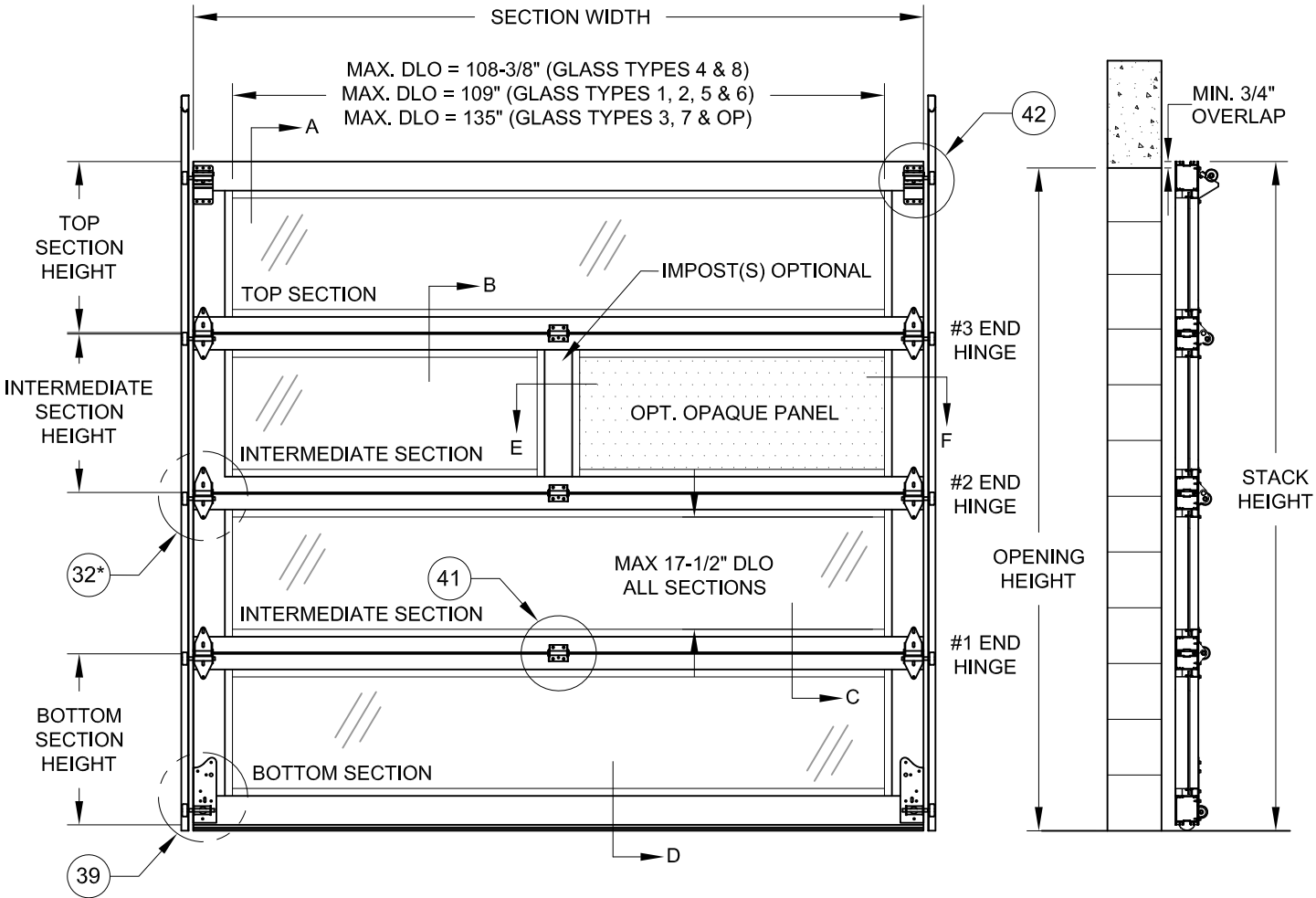
OPENING WIDTH = SECTION WIDTH - 2.00
EACH SIDE TO OVERLAP BY MIN. 1"

OPENING HEIGHT = STACK HEIGHT - 0.75
TOP TO OVERLAP BY MIN. 3/4"

2X P.T. WOOD BUCK TO SUBSTRATE ATTACHMENT:



- 1) WOOD BUCK IS OPTIONAL, SEE SHEET 5 FOR DETAILS.
- 2) THE HORIZONTAL TRACK RECEIVES NO WINDLOAD, BUT ATTACHMENT TO THE CEILING JOISTS MUST BE ABLE TO WITHSTAND THE WEIGHT OF THE DOOR. ENGINEERING BY OTHERS.
- 3) GENERAL NOTES FOR DOOR ANCHORAGE ALSO APPLY TO BUCK ANCHORAGE.



INTERIOR ELEVATION WITH 2" TRACK AND ROLLER SYSTEM

TABLE 1:

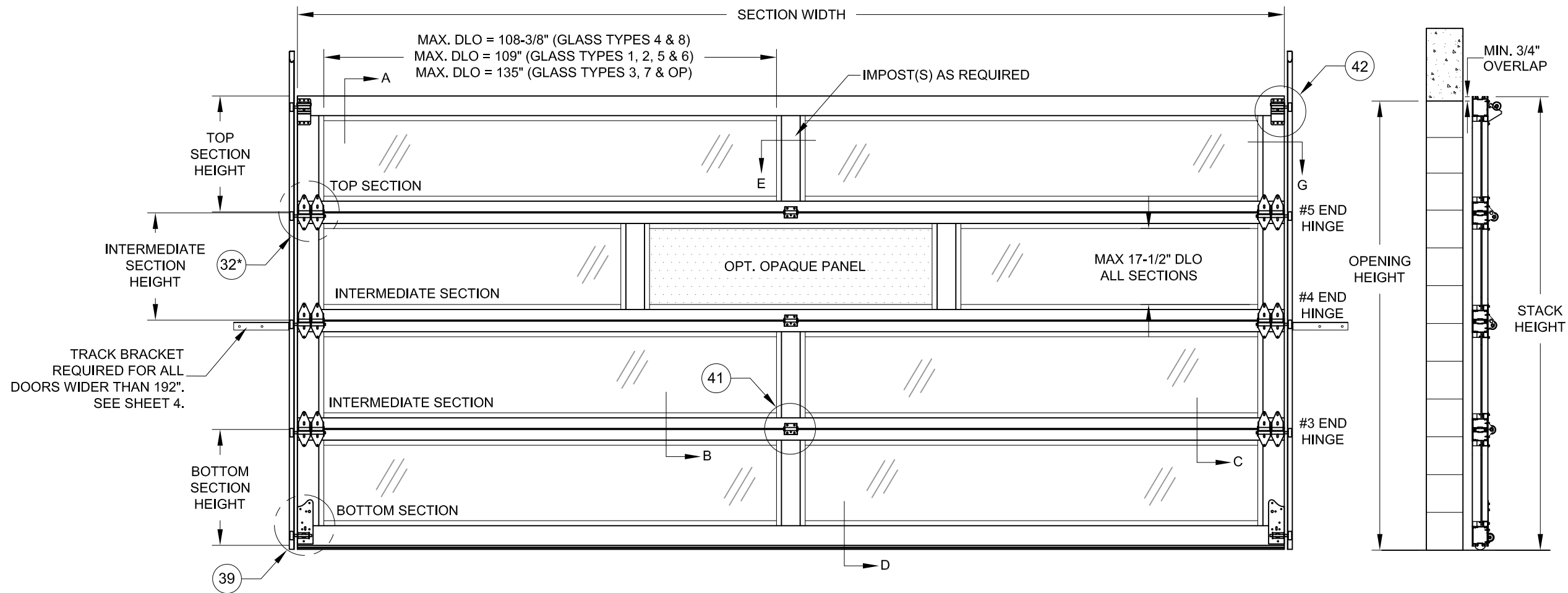
Design Pressure, psf (2" Roller/Track System)					
Opening Height	Stack Height	Total # of Sections	Opening Width		
			120"	132"	144"
84"	84-3/4"	4	+55.0/-65.0	+55.0/-65.0	+55.0/-65.0
96"	96-3/4"		+55.0/-65.0	+55.0/-65.0	+51.6/-61.9
99-3/8"	100-3/8"		+55.0/-65.0	+54.9/-65.0	+50.0/-60.0
108"	108-3/8"	5	+55.0/-65.0	+55.0/-65.0	+55.0/-65.0
120"	120-3/4"		+55.0/-65.0	+54.9/-65.0	+50.0/-60.0
132"	132-3/4"	6	+55.0/-65.0	+55.0/-65.0	+55.0/-65.0
144"	144-3/4"		+55.0/-65.0	+54.9/-65.0	+50.0/-60.0
156"	156-3/4"	7	+55.0/-65.0	+55.0/-65.0	+55.0/-65.0
170"	170-3/4"		+55.0/-65.0	+54.9/-65.0	+50.0/-60.0

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

DESIGN PRESSURE RATING	IMPACT RATING
VARIES, SEE TABLES 1 & 2	RATED FOR LARGE & SMALL MISSILE IMPACT RESISTANCE

A) MINOR CORRECTIONS, ADDITIONAL SIZES AND FORMULAS.
JR - 8/4/21

PREPARED BY A. LYNN MILLER, P.E. 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275 (941) 480-1600	REGISTRATION #29296 COPYRIGHT © 2021 PGT INDUSTRIES, INC., LIMITED LICENSE TO MAKE COPIES FOR PERMITTING.	OVERHEAD SECTIONAL GARAGE DOOR	J ROSOWSKI	GD-9995A-FPA	A
INNOVATIONS 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	OVERHEAD SECTIONAL GARAGE DOOR	GEN. NOTES, 12' & UNDER ELEV./DP	GD9995A	NTS	Scale
ANTHONY LYNN MILLER LICENSE No. 58705 8/11/21 STATE OF FLORIDA PROFESSIONAL ENGINEER A. LYNN MILLER, P.E. P.E.# 58705	OVERHEAD SECTIONAL GARAGE DOOR	GEN. NOTES, 12' & UNDER ELEV./DP	GD9995A	NTS	Scale



INTERIOR ELEVATION WITH 3" TRACK AND ROLLER SYSTEM

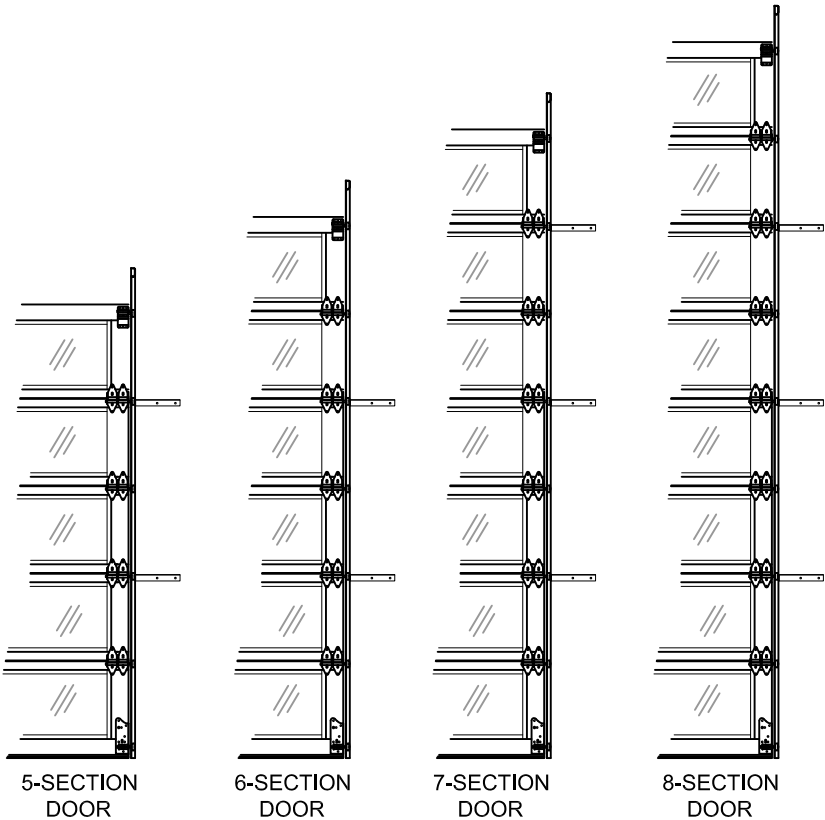
TABLE 2:

Design Pressure, psf (3" Roller/Track System)					
Opening Height	Stack Height	Total # of Sections	Opening Width		
			190"	192"	216" (Brackets)
84"	84-3/4"	4	+45.0/-50.0	+45.0/-50.0	+40.0/-50.0 (1)
96"	96-3/4"		+45.0/-50.0	+44.2/-49.1	+36.2/-46.5 (1)
97-3/8"	98-1/8"		+45.0/-50.0	+40.0/-50.0	+35.7/-45.9 (1)
99-3/8"	100-1/8"		+40.0/-50.0	+39.6/-50.0	+35.0/-45.0 (1)
108"	108-3/8"	5	+45.0/-50.0	+44.2/-49.1	+36.2/-46.5 (2)
120"	120-3/4"		+45.0/-50.0	+40.0/-50.0	+35.7/-45.9 (2)
132"	132-3/4"	6	+45.0/-50.0	+44.2/-49.1	+36.2/-46.5 (2)
144"	144-3/4"		+45.0/-50.0	+40.0/-50.0	+35.7/-45.9 (2)
156"	156-3/4"	7	+45.0/-50.0	+44.2/-49.1	+36.2/-46.5 (3)
170"	170-3/4"		+45.0/-50.0	+40.0/-50.0	+35.7/-45.9 (3)
180"	180-3/4"	8	+45.0/-50.0	+44.2/-49.1	+36.2/-46.5 (3)
192"	192-3/4"		+45.0/-50.0	+39.6/-50.0	+35.0/-45.0 (3)
204"	204-3/4"	9	+45.0/-50.0	+44.2/-49.1	N/A
216"	216-3/4"		+45.0/-50.0	+39.6/-50.0	N/A

FOR SIZES NOT SHOWN, ROUND UP TO THE NEXT AVAILABLE WIDTH OR HEIGHT DIMENSION.

FOR WIDTHS OVER 192", SPECIAL ANCHOR CONDITIONS APPLY, SEE TABLE 4.

TRACK BRACKETS REQUIRED FOR WIDTHS OVER 192". QUANTITY SHOWN IS PER SIDE.



TRACK BRACKET LOCATIONS (IF NEEDED)

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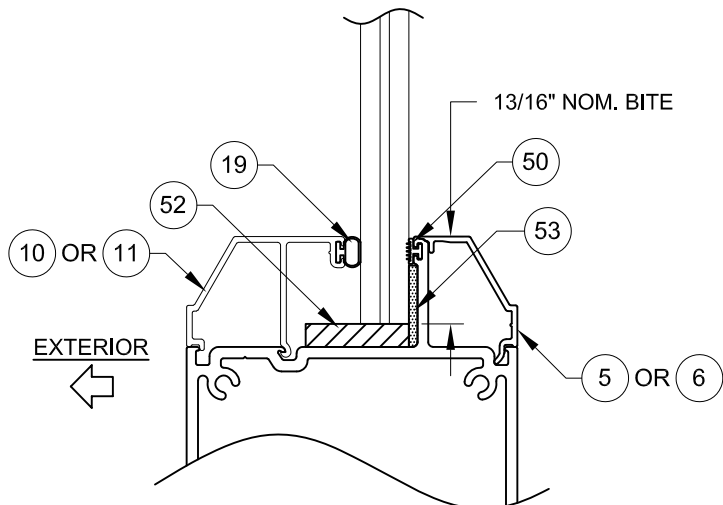
OVERHEAD SECTIONAL GARAGE DOOR
OVER 12' ELEVATION/DP
GD9995A

06/07/21
J ROSOWSKI
GD-9995A-FPA
A

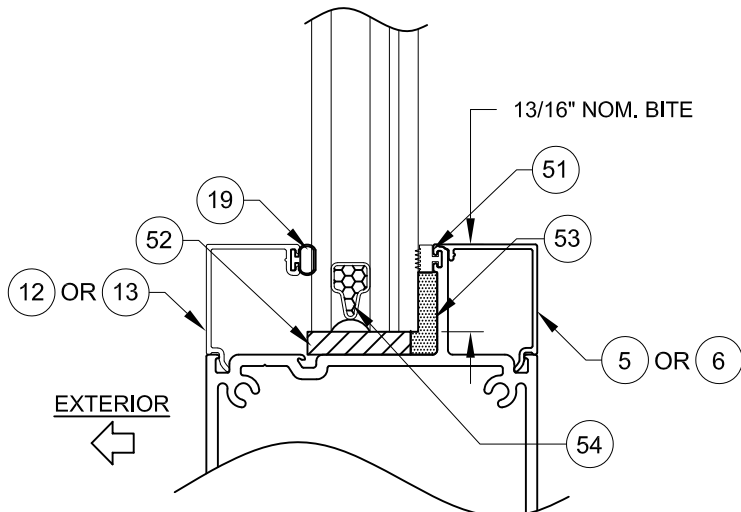
2 OF 6
NTS
Scale

Rev.

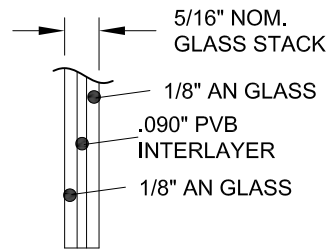
ANTHONY LYNN MILLER
LICENSE
No. 58705
8/11/21
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
A. LYNN MILLER, P.E.
P.E.# 58705



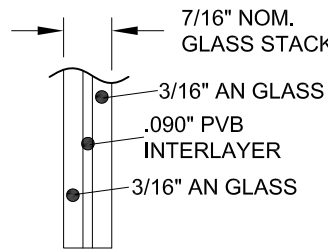
GLAZING DETAIL



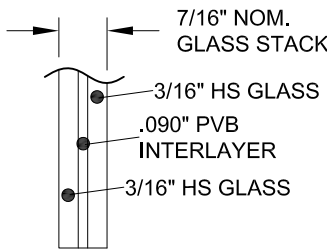
IG GLAZING DETAIL



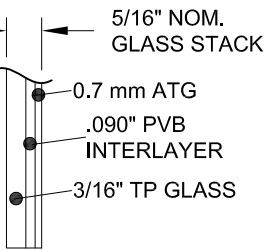
GLASS TYPE 1



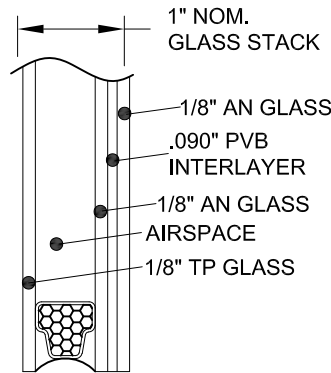
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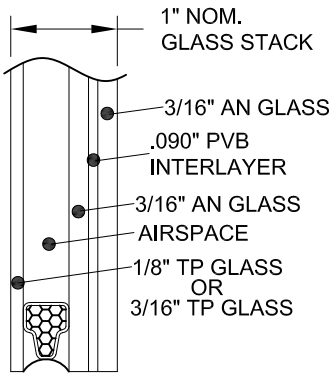
GLASS TYPE 3



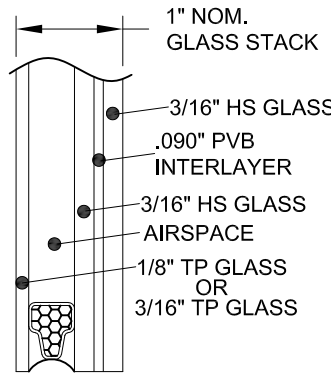
GLASS TYPE 4



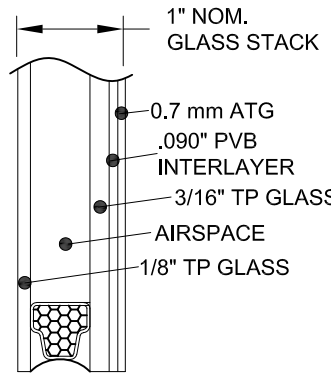
GLASS TYPE 5



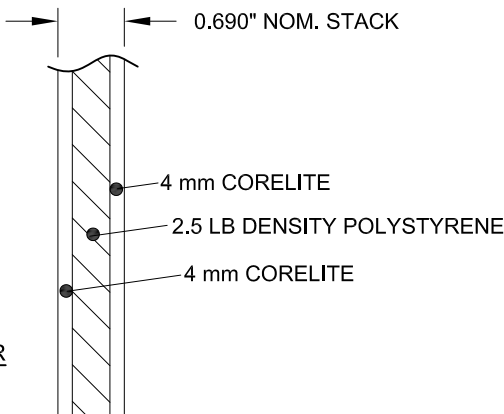
GLASS TYPE 6



GLASS TYPE 7



GLASS TYPE 8



OPAQUE PANEL (OP)
MAPES CORELITE ARCHITECTURAL PANEL

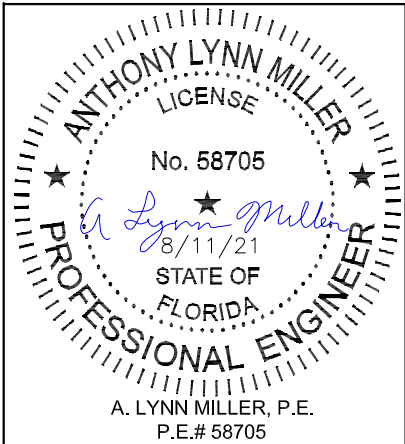
TABLE 3:

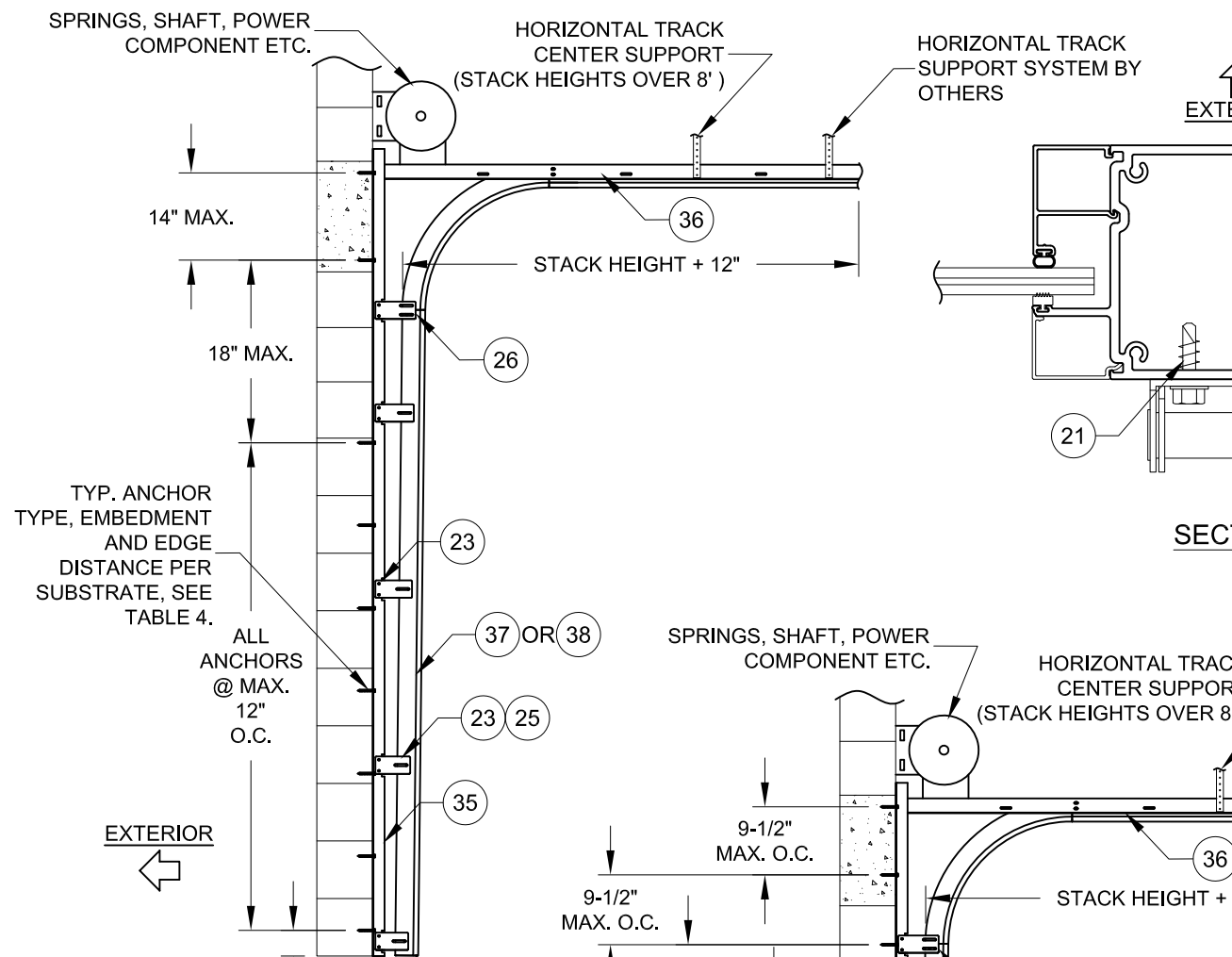
Glass Type	Description (Listed from Exterior to Interior)
1	1/8" AN, .090" PVB, 1/8" AN
2	3/16" AN, .090" PVB, 3/16" AN
3	3/16" HS, .090" PVB, 3/16" HS
4	3/16" TP, .090" PVB, 0.7mm ATG
5	1" LIG: 1/8" TP CAP, AIRSPACE, 1/8" AN, .090" PVB, 1/8" AN
6*	1" LIG: 1/8" (or 3/16") TP CAP, AIRSPACE, 3/16" AN, .090" PVB, 3/16" AN
7*	1" LIG: 1/8" (or 3/16") TP CAP, AIRSPACE, 3/16" HS, .090" PVB, 3/16" HS
8	1" LIG: 1/8" TP CAP, AIRSPACE, 3/16" TP, .090" PVB, 0.7mm ATG
OP	0.690" Mapes Opaque Panel

AN = ANNEALED
HS = HEAT STRENGTHENED
TP = TEMPERED
PVB = .090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.

Revision

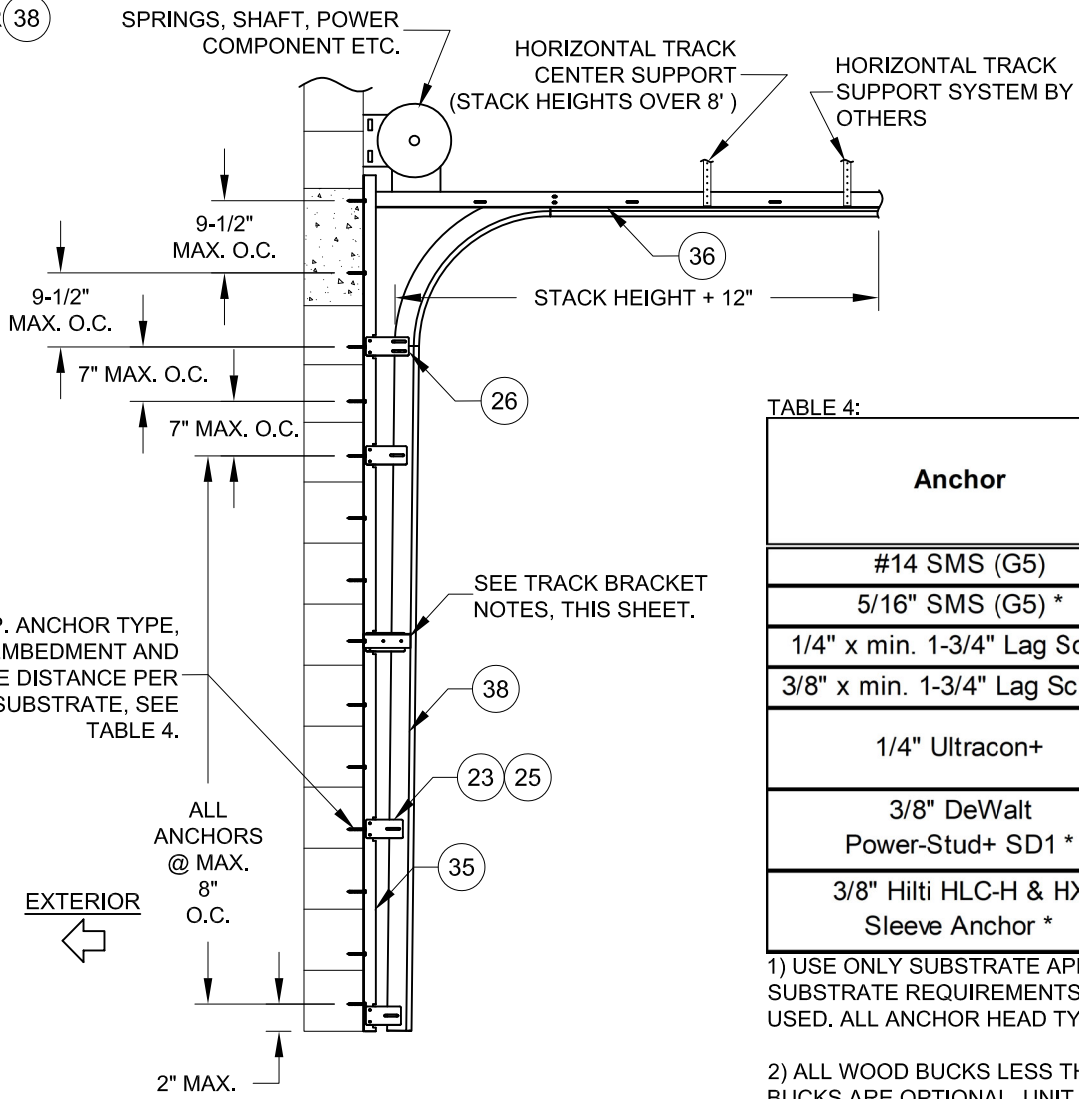
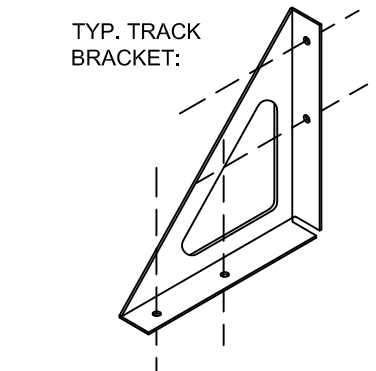
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INNOVATIONS 1070 TECHNOLOGY DRIVE N. VENICE, FL 34275	OVERHEAD SECTIONAL GARAGE DOOR	GLAZING DETAILS, GLASS TYPES	3 OF 6 Sheet	NTS Scale	GD9995A Series





2" OR 3" TRACK INSTALLATION PATTERN FOR OPENING WIDTHS OF 192" AND LESS

- TRACK BRACKET NOTES:
- 1) EQUALLY-SPACED TRACK ANGLE BRACKET REQUIRED FOR ALL DOORS WIDER THAN 192".
 - 2) INSTALL BRACKET TO SUBSTRATE WITH (2) INSTALLATION ANCHORS.
 - 3) INSTALL BRACKET TO TRACK AND ADJUSTABLE TAB WITH (2) 1/4" NUTS AND BOLTS.



3" TRACK INSTALLATION PATTERN FOR OPENING WIDTHS OVER 192"

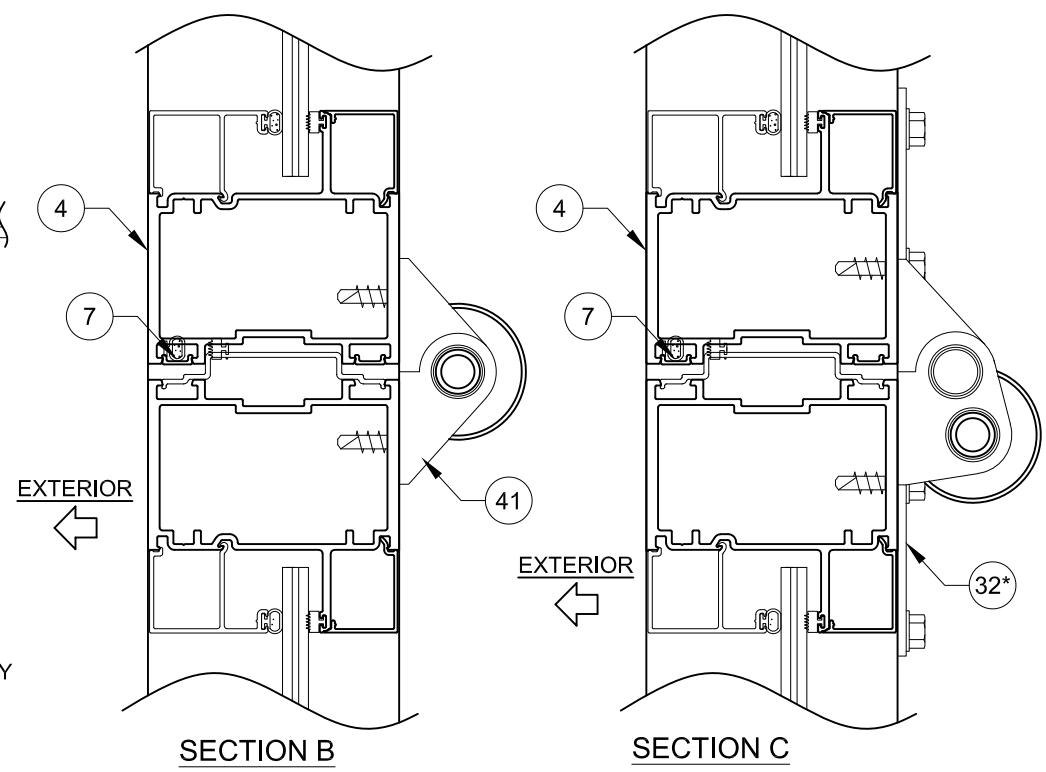
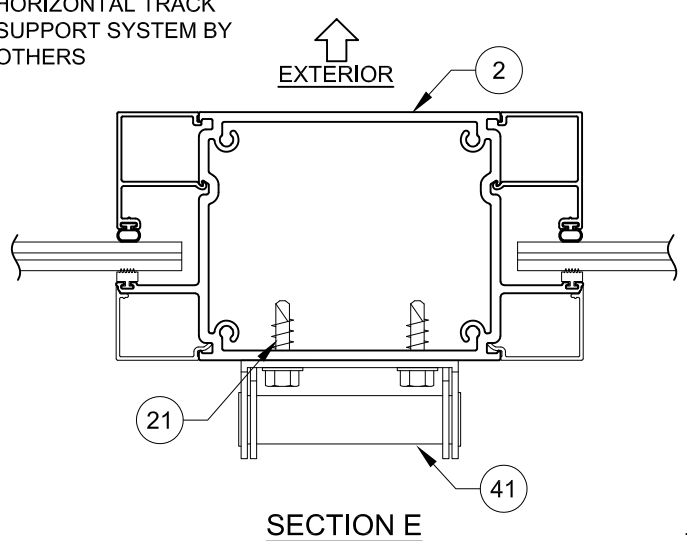


TABLE 4:

Anchor	Substrate	Minimum Edge Distance	Minimum Embedment	Max. O.C. for 2X Buck Attachment
#14 SMS (G5)	Steel (A36)	3/8"	1/8"	N/A
5/16" SMS (G5) *	Steel (A36)	3/8"	1/8"	N/A
1/4" x min. 1-3/4" Lag Screw	Southern Pine (SG = .55)	1"	1-1/2"	N/A
3/8" x min. 1-3/4" Lag Screw *	Southern Pine (SG = .55)	1-1/2"	1-1/2"	N/A
1/4" Ultracon+	Concrete (min. 3.0 ksi)	2-1/2"	1-3/4"	14-1/4"
	Grouted CMU, (ASTM C-90)	2-1/2"	1-3/4"	13"
3/8" DeWalt Power-Stud+ SD1 *	Concrete (min. 3.0 ksi)	4"	1-5/8"	13-5/8"
	Grouted CMU, (ASTM C-90)	4"	2-3/8"	14-5/8"
3/8" Hilti HLC-H & HX Sleeve Anchor *	Concrete (min. 2.0 ksi)	1-1/2"	1-1/4"	14-3/4"
	Grouted CMU, (ASTM C-90)	4"	1-1/4"	14-1/4"

1) USE ONLY SUBSTRATE APPROPRIATE ANCHORS, FOLLOW EMBEDMENT, EDGE DISTANCE AND SUBSTRATE REQUIREMENTS PER TABLE 3, SHEET 2. ANY INSTALLATION OPTION SHOWN MAY BE USED. ALL ANCHOR HEAD TYPES ARE ALLOWED.

2) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED 1X INSTALLATIONS. 1X WOOD BUCKS ARE OPTIONAL. UNIT MAY BE INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER.

* REQUIRED FOR DOOR OPENING WIDTHS OVER 192".

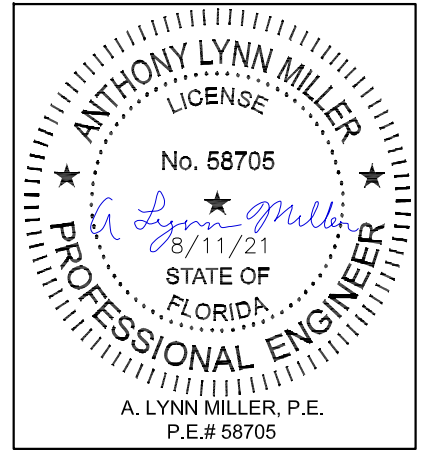
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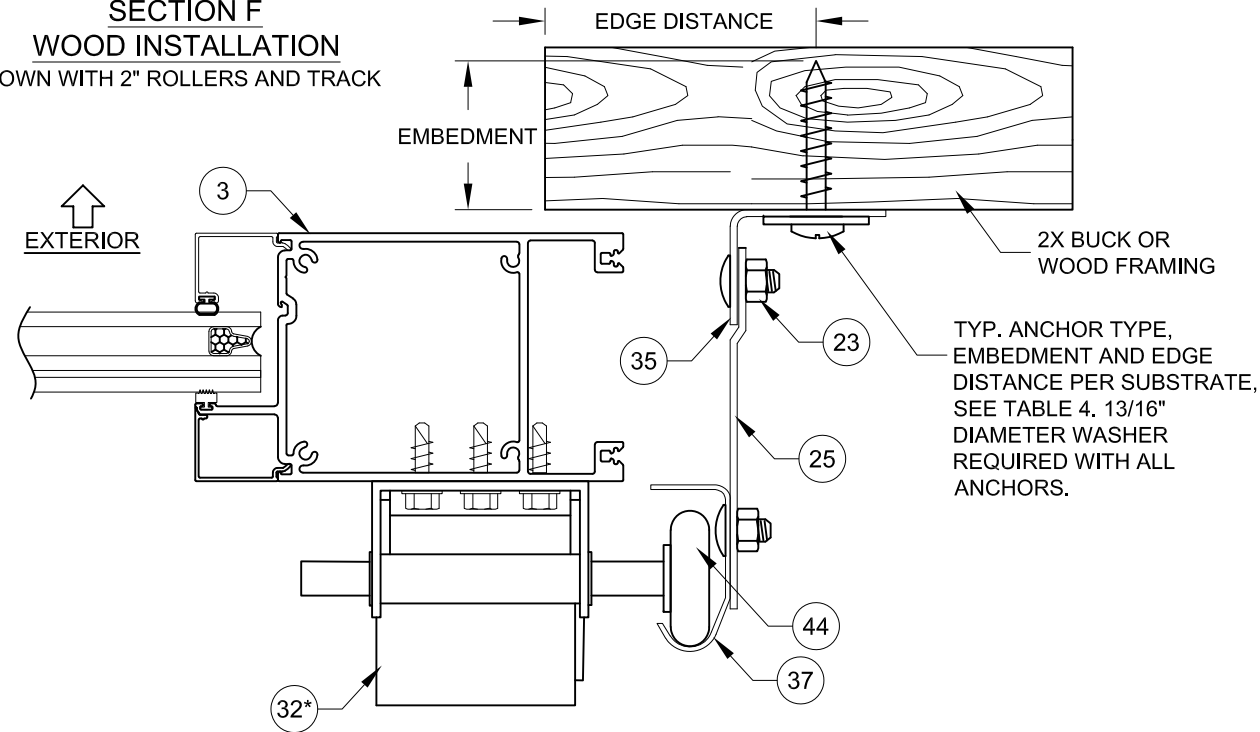
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DATE 06/07/21
BY J ROSOWSKI
DRAWN GD-9995A-FPA
NO. 4 OF 6
SHEET NTS
SCALE

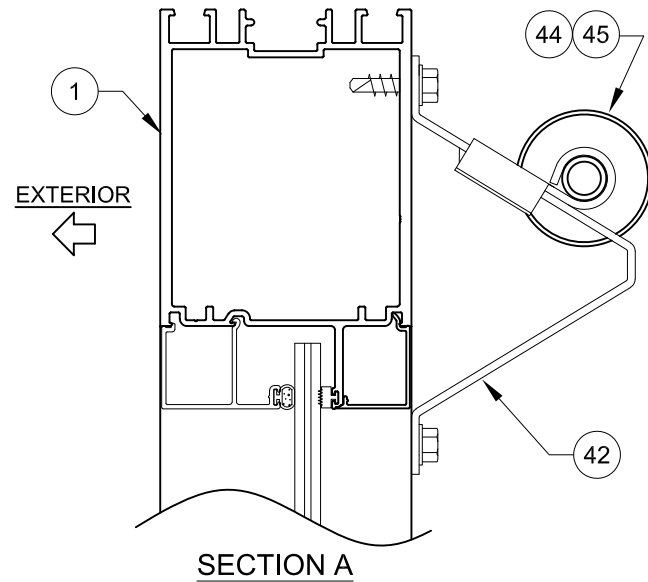
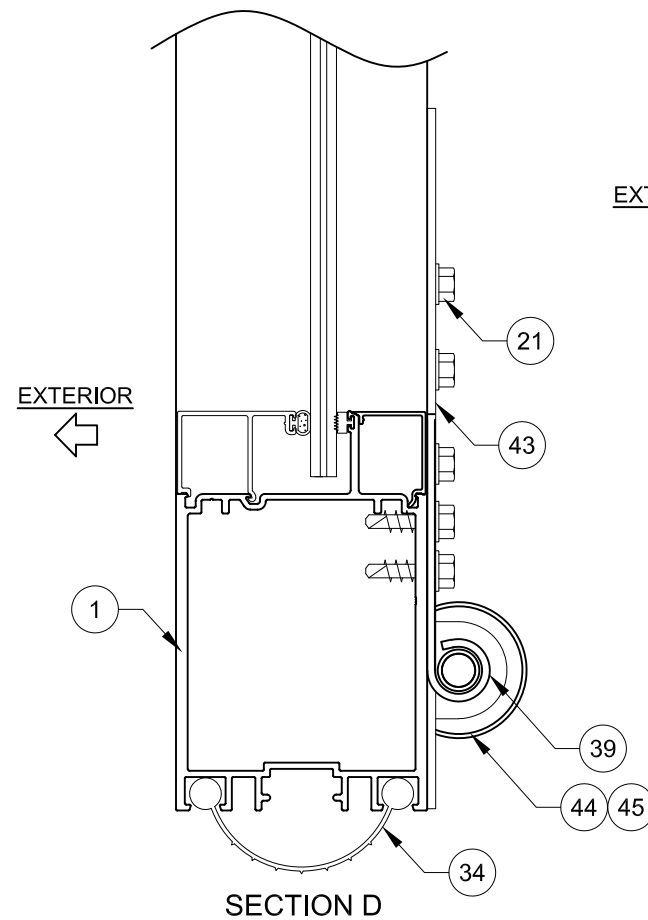
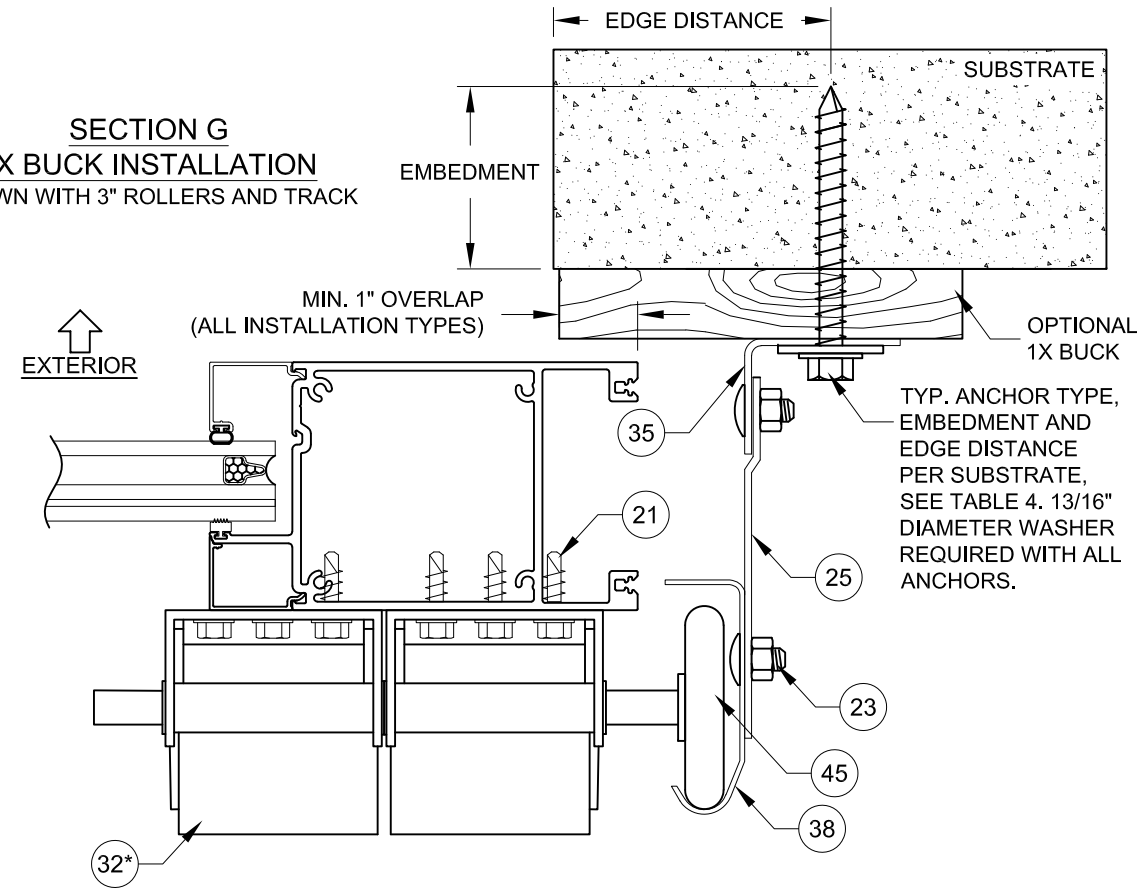
OVERHEAD SECTIONAL GARAGE DOOR
TRACK ANCHORS, X-SECTIONS
GD9995A



SECTION F
WOOD INSTALLATION
SHOWN WITH 2" ROLLERS AND TRACK

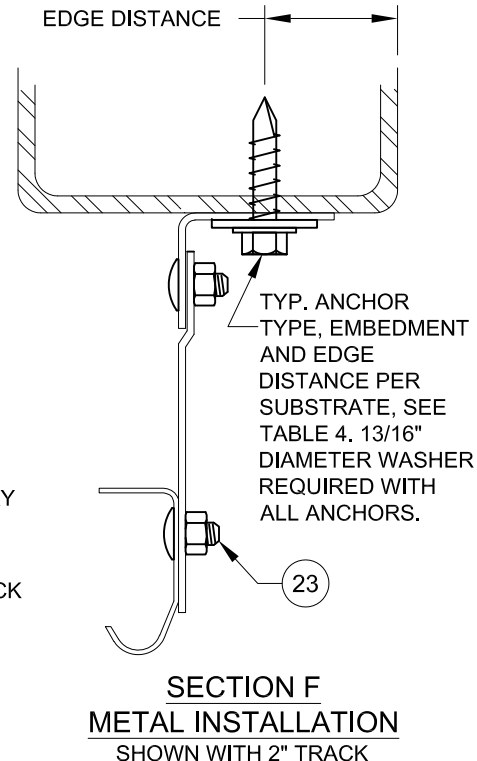
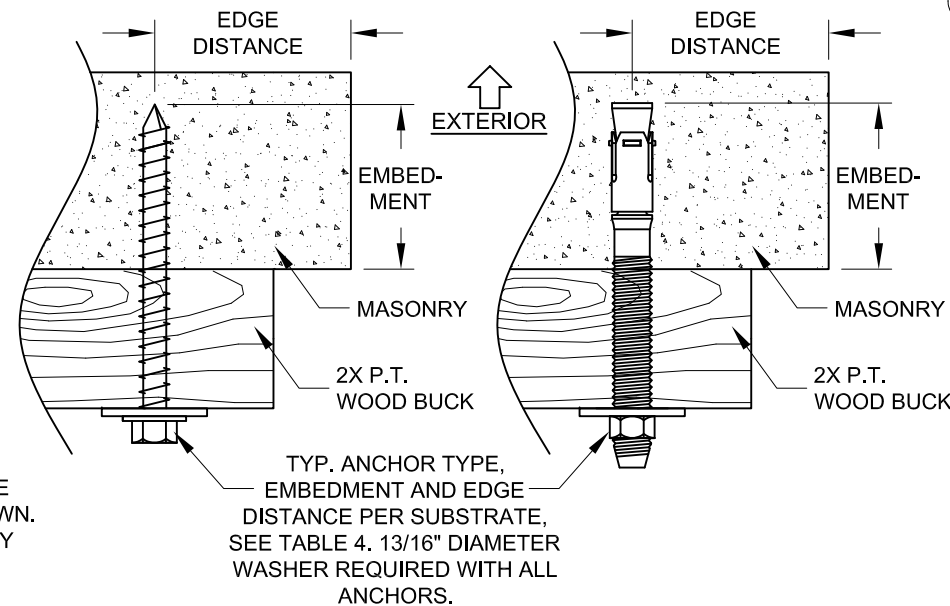


SECTION G
1X BUCK INSTALLATION
SHOWN WITH 3" ROLLERS AND TRACK



NOTES:
1) EITHER 2" OR 3" TRACK/ROLLER MAY BE USED FOR ANY INSTALLATION TYPE SHOWN.
2) GLASS, GLAZING BEADS ETC. MAY VARY FROM SHOWN.
3) OUTER SEAL, IF USED, BY OTHERS.

SECTION H
TYP. 2X BUCK INSTALLATION
OPTIONAL



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OVERHEAD SECTIONAL GARAGE DOOR		INSTALL DETAILS, X-SECTIONS		By		No.		DWG	
GD9995A		NTS		5 OF 6		GD-9995A-FPA		A	
INNOVATIONS		1070 TECHNOLOGY DRIVE N. VENICE, FL 34275		Date		Sheet		Title	

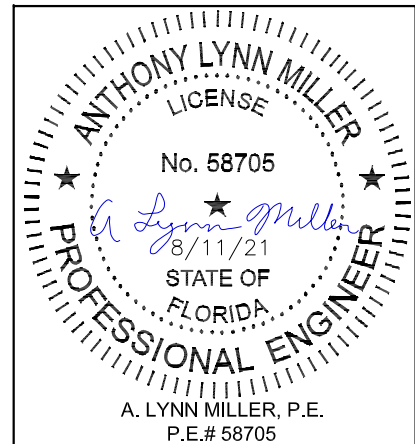
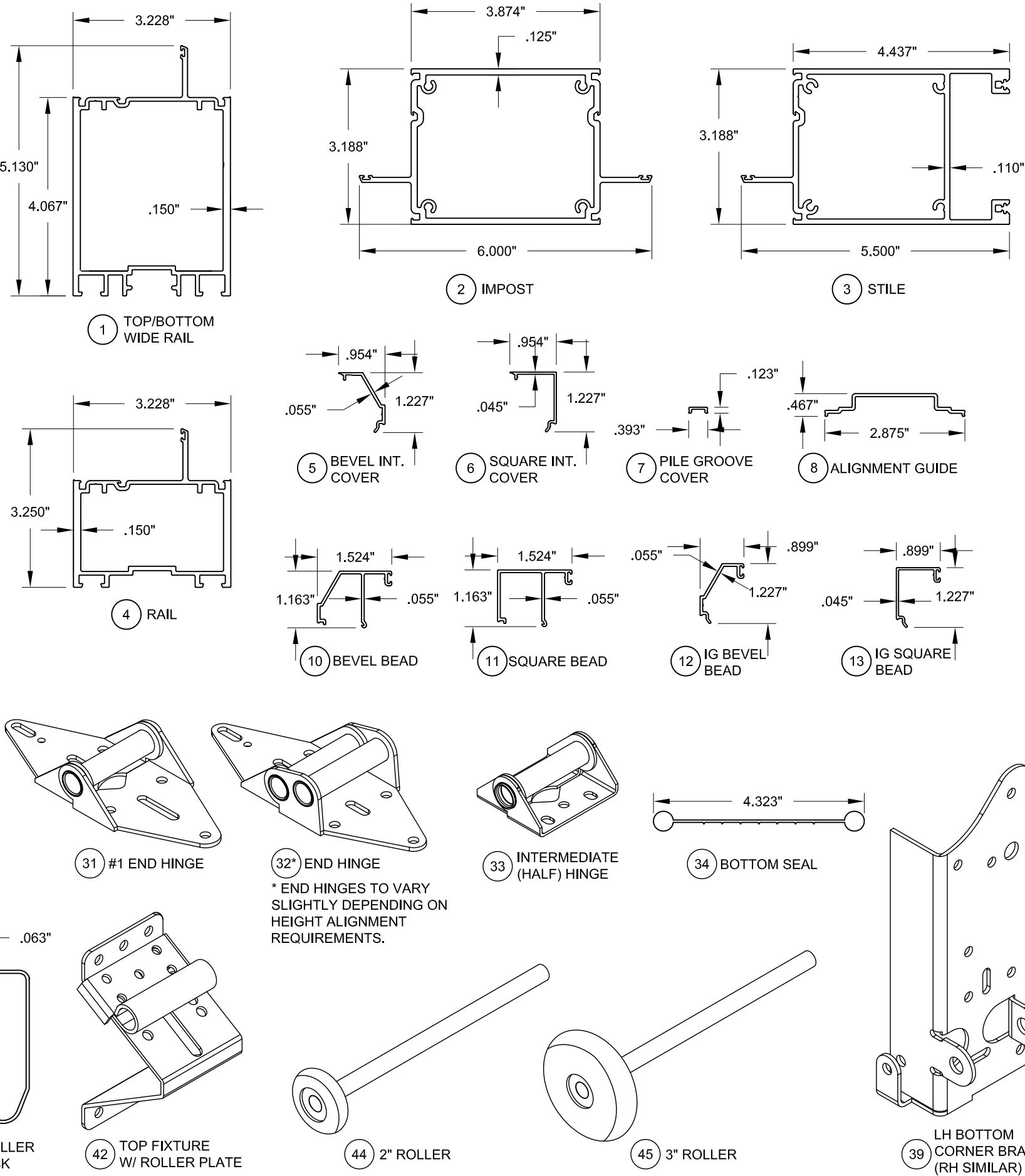


TABLE 5:

ITEM	PGT PART#	DESCRIPTION	MATERIALS
1	21009	Top/Bottom Wide Rail	6063-T6
2	27000	Impost	6063-T6
3	21009	Stile	6063-T6
4	21010	Rail	6063-T6
5	21016	Beveled Interior Cover	6063-T6
6	21013	Square Interior Cover	6063-T6
7	23029	Pile Groove Cover	Vinyl
8	27001	Alignment Guide	6063-T6
10	21017	Beveled Bead	6063-T6
11	21014	Square Bead	6063-T6
12	21015	IG Beveled Bead	6063-T6
13	21012	IG Square Bead	6063-T6
19		Beading Bulb Weatherstrip	Vinyl
21		1/4" x 3/4" Hexhead SMS	SS
22	21041	Assembly Screw, #10 x 1-1/4" PH SDS	SS
23		1/4" Nut and Bolt or 1/4" Rivet	Steel
25		Adjustable Tab	Galv. Steel
26		Adjustable Splice Tab	Galv. Steel
31	9891X11HIN	#1 End Hinge	Galv. Steel
32	9892X11HIN	#2 End Hinge	Galv. Steel
34	27002	Bottom Seal, Duro. = 80	Vinyl
35		Vertical Track Angle	Steel
36		Horizontal Track Angle	Steel
37		2" Roller Track	Galv. Steel
38		3" Roller Track	Galv. Steel
39	852CB953WL	LH Bottom Corner Bracket	Galv. Steel
40	852CB953WR	RH Bottom Corner Bracket (not shown)	Galv. Steel
41	9150000059	Intermediate (Half) Hinge	Galv. Steel
42	853ADJTFCO	Top Fixture w/Roller Plate	Galv. Steel
44	9150000445	2" Roller	Nylon
45	9150000453	3" Roller	Nylon
50	21045	Small Glz. Leg Vinyl, Duro. 0.85	Flex. Vinyl
51	21045	Large Glz. Leg Vinyl, Duro. 0.85	Flex. Vinyl
52		Setting Block, 0.25"	EPDM
53	varies	Dow 791/983 or RGS 7700	Silicone
54	varies	IG Spacer	varies



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OVERHEAD SECTIONAL GARAGE DOOR		06/07/21		Date			
BILL OF MATERIAL, PARTS & EXT.		J ROSOWSKI		By		Rev.	
GD9995A		6 OF 6		DWG		GD-9995A-FPA	
Scale		NTS		Sheet		A	
Series		Desc.		Drawn			

