Engineering Evaluation Report #5570W-08132026

Prepared by:
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Manufacturer:
PGT Industries, LLC
3400 Precision Drive
N. Venice, FL 34275

Product Description:
SGD5570-W Series Impact-resistant Vinyl Sliding Glass Window, (LM & SM); FL Approval #1844

Compliance:
The above-mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61 G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

This product has been evaluated and is in compliance with the current Florida Building Code, including the “High Velocity Hurricane Zone” (HVHZ).

Supporting Technical Documentation:
1. Approval document: drawing number SGD5570W-LM-HVHZ, signed and sealed by A. Lynn Miller, P.E.

2. Test Report Nos.:

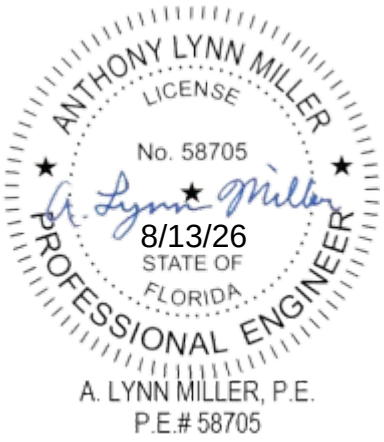
FTL6337, 6338, 8646-8649, 8652 & 8717; signed and sealed by Idalmis Ortega, P.E.; Fenestration Testing Laboratories, Medley, FL 33166

QAI 22-1081 & QAI-NOK-0004; signed and sealed by Idalmis Ortega P.E.; QAI: QAI Laboratories

TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure Test
TAS 203-94 Cyclic Pressure Loading Test

3. Calculations, signed and sealed by A. Lynn Miller, P.E., dated 2/29/24., 6/13/24

Limitations and Conditions of use:
• Units must be glazed per ASTM E1300-24, refer to approval document for glazing details.
• This product is rated to be used in the HVHZ.
• This product is impact resistant and does not require impact protection in wind borne debris regions.
• Frame and panel material to be extruded Aluminum and Vinyl.
• Units must be installed in accordance with approval documents.



SERIES SGDS570-W
VINYL, IMPACT RESISTANT, SLIDING GLASS WINDOW
INCLUDING POCKETS & BITTED CORNERS

1) THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

2) SHUTTERS ARE NOT REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS FOR INSULATED GLASS INSTALLATIONS ABOVE 30 IN THE HVHZ THE OUTBOARD LITE (OAP) MUST TEMPERED.

3) ALL WOOD BUCKS LESS THAN 1-1/2" THICK ARE TO BE CONSIDERED TA INSTALLATIONS. TA WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DESIGNATED AS 2A ARE 1-1/2" THICK OR GREATER. TA AND 2A BUCKS (WHEN USED) SHALL BE DESIGNED AND SECURED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER (EOR) OR ARCHITECT OF RECORD (AOR).

4) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE EMBEDMENT. OVERALL SEALING/FLASHING STRATEGY FOR WATER RESISTANCE OF INSTALLATION SHALL BE DONE BY OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.

5) MAX. 1/4" SHIMS ARE REQUIRED AT EACH ANCHOR LOCATION WHERE THE PRODUCT IS NOT PLUMB TO THE SUBSTRATE. USE SHIMS CAPABLE OF TRANSFERRING APPLIED LOADS.

6) DESIGN PRESSURES:
A. NEGATIVE DESIGN LOADS BASED ON STRUCTURAL/CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300
B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE, STRUCTURAL/ CYCLE TEST PRESSURE, FRAME ANALYSIS AND GLASS PER ASTM E1300
C. DESIGN LOADS ARE BASED ON ALLOWABLE STRESS DESIGN, ASD

7) THE ANCHORAGE METHODS SHOWN HAVE BEEN DESIGNED TO RESIST THE WIND LOADS CORRESPONDING TO THE REQUIRED DESIGN PRESSURE. THE 33.33% 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.

8) REFER TO CURRENT FLORIDA BUILDING CODE FOR SILL GRADE REQUIREMENTS

9) IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, MIN. 1/4" THICK & 3400 PSI MIN. (GONE BY OTHERS) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER LINEAR LOAD TO SUBSTRATE. IF SUBSTRATE IS WOOD, 30# FELT PAPER OR MASTIC IS REQUIRED BETWEEN THE GROUT AND WOOD SUBSTRATE, OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.

FLORIDA PRODUCT APPROVAL #7899

TABLE A

Design	Anchor	Substrate	Frame Member	Min. Edge Distance	Min. Embedment
A	#12 SHS Gasco Dade or Mod. SHS, PG 4/5	[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
B	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
C	1/4" Slab [illegible]	Concrete, min. 3 [illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	Concrete, min. 3 [illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	Concrete, min. 3 [illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
D	1/4" Slab [illegible]	Concrete, min. 3 [illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	Concrete, min. 3 [illegible]	[illegible]	[illegible]	[illegible]
		[illegible]	[illegible]	[illegible]	[illegible]

1) Refer to 1 through 10 for fastener qualification.
2) ALL SCREW SIZES ARE APPLICABLE.
3) [illegible]
4) [illegible]

INSTRUCTIONS:
1) KNOWING THE REQUIRED DESIGN PRESSURE (OF THE OPENING), THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS WINDOWS MAY BE DETERMINED FROM DESIGN PRESSURE TABLES 1 OR 2, DEPENDING ON THE GLASS REINFORCEMENT.

2) LOCATE THE SLIDING GLASS WINDOW SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH. IF YOUR EXACT SIZE IS NOT LISTED, ROUND UP TO THE NEXT GREATER LISTED WIDTH AND/OR HEIGHT.

3) CHOOSE WHICH ANCHOR GROUP (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE A, THIS SHEET, ALONG WITH THE CORRESPONDING SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.

4) FROM THE DESIGN PRESSURE TABLES (TABLES 1 OR 2), VERIFY THAT THE DESIGN PRESSURE REQUIRED FOR THE OPENING IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.

5) INSTALL AS PER THE GUIDELINES OF THIS SHEET SET. ADDITIONALLY, SEE THE EXAMPLE ON SHEET 3.

GENERAL NOTES 1
EXAMPLE CONT'D/DETAIL 2
INSTALL DETAILS 3-6
DP-ANCHOR TABLES 7-9
EXAMPLE 9
GLAZING DETAILS 10
ANCHOR LAYOUTS 11-18
PANEL TYPES 17
EXTRUSIONS 18
ACCESSORIES 19
SCREEN DETAILS 20
PARTS LIST 20-21

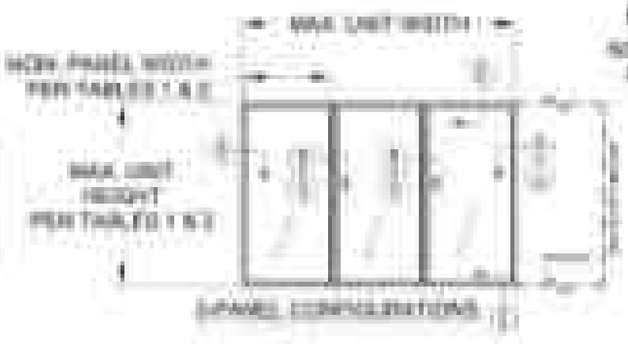
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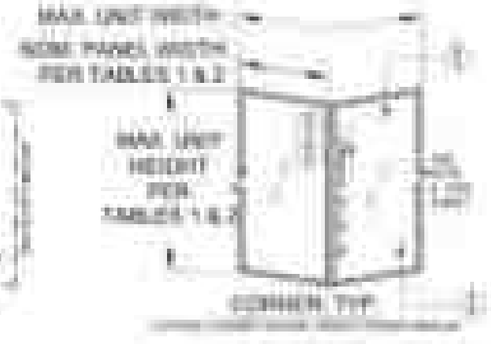
1 PANEL CONFIGURATIONS



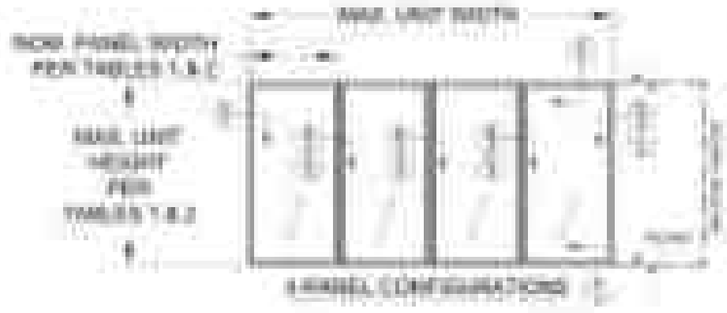
2 PANEL CONFIGURATIONS



3-PANEL CONFIGURATIONS



CORNER TYP.



4-PANEL CONFIGURATIONS



5-PANEL CONFIGURATIONS



6-PANEL CONFIGURATIONS



7-PANEL CONFIGURATIONS



8-PANEL CONFIGURATIONS

DETAIL LETTER

SHEET NUMBER

(S) WIDTH = NOM. PANEL WIDTH - 0-1/2"
NOM. PANEL WIDTH = PANEL WIDTH + 1-3/16"
(S) HEIGHT = WINDOW HEIGHT - 11-1/16"
PANEL HEIGHT = WINDOW HEIGHT - 2-1/8"

CONFIGURATIONS NOTES:

1) ALL CONFIGURATIONS SHOWN ARE ALSO AVAILABLE AS POCKET CONFIGURATIONS AT EITHER OR BOTH JAMB LOCATIONS. EXAMPLE: 4-PANEL XXXX IN POCKET (p) CONFIGURATION CAN BE pXXXp, pXXX OR XXXp. OXXX IN POCKET CONFIGURATION CAN BE rXXXp.

2) 90° & 135° CORNER CONFIGURATIONS ARE A COMBINATION OF TWO 3 STRAIGHT CONFIGURATIONS.

3) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

4) FOR NOM. PANEL WIDTH, SEE TABLES 1 & 2.

5) MAX. ALLOWABLE FRAME SQUARE FOOTAGE = 47.000 FT²

"O" = OPERABLE PANEL
"FO" = INOPERABLE PANEL
"X" = FIXED

PGT WINDOWS

SINGLE HUNG IMPACT WINDOW

EXAMPLE CONFIGURATIONS

DESIGNED BY: JENS REISCHMAN

SCALE: NTS

SHEET 1 OF 1

REVISIONS

NO. DATE

PRODUCT APPROVED

STATE OF FLORIDA

EXPIRES: 02/28/2023

DETAIL A1

DETAIL B1

DETAIL C1

DETAIL D1

DETAIL A2

DETAIL C2

DETAIL D2

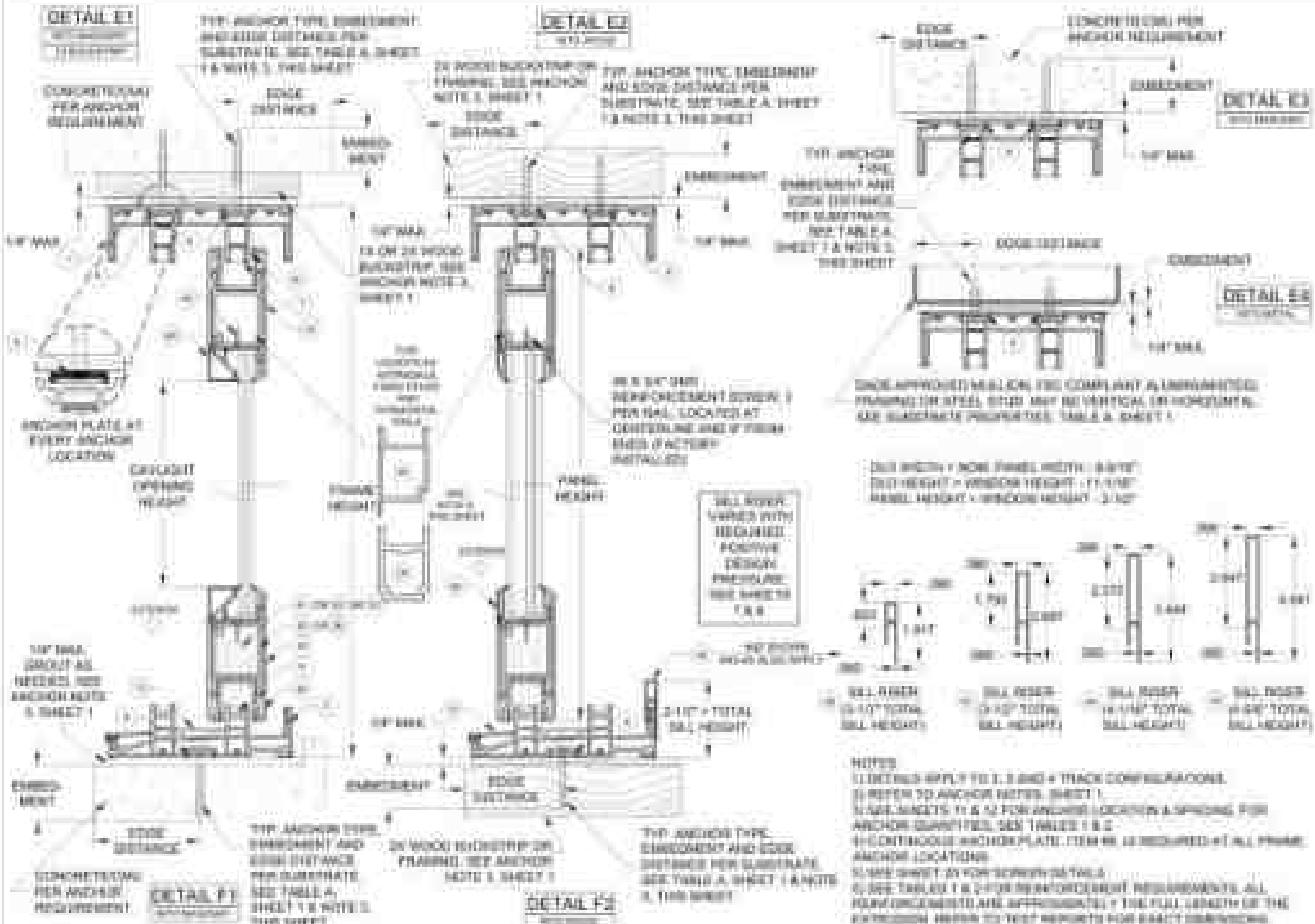
DETAIL B2

HORIZONTAL SECTION (XXX SHOWN)

HORIZONTAL SECTION (XO SHOWN)

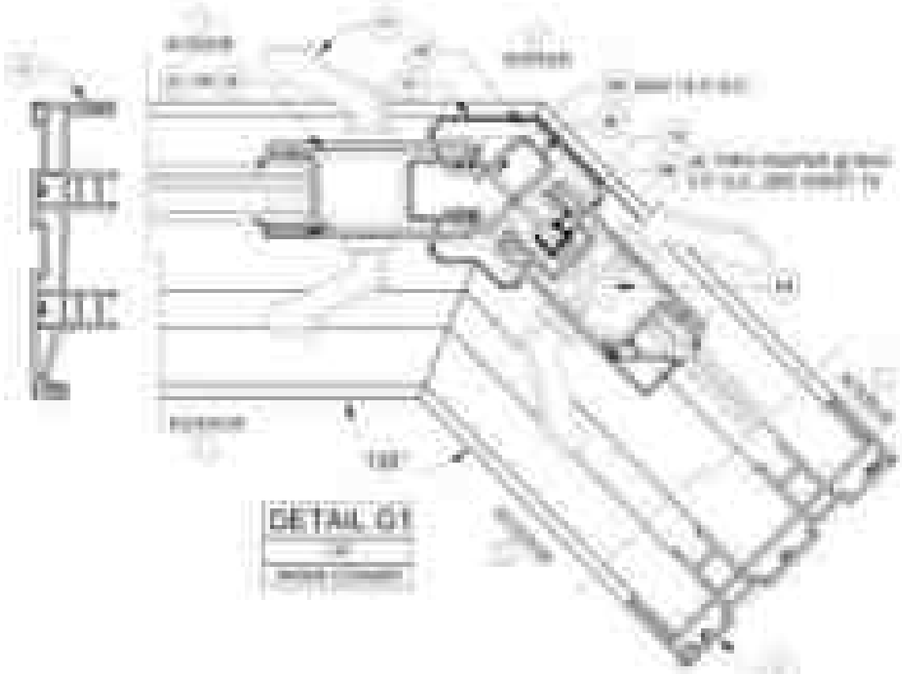
NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 PANEL CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING. FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
4) CONTINUOUS ANCHOR PLATE, ITEM #4, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) PANEL WIDTH DOES NOT INCLUDE INTERLOCK OR ASTRAGAL ADD-ON.
6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.
7) SEE SHEET 20 FOR SCREEN DETAILS.

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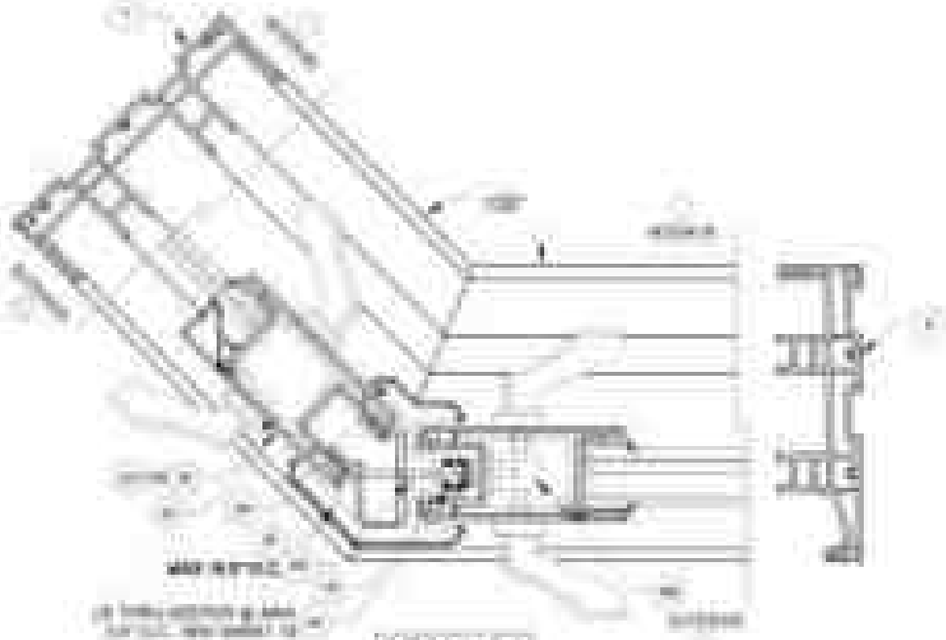


NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEETS 11 & 12 FOR ANCHOR LOCATION & SPACING. FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
4) CONTINUOUS ANCHOR PLATE, ITEM 86, IS REQUIRED AT ALL FRAME ANCHOR LOCATIONS.
5) SEE SHEET 20 FOR SCREEN DETAILS.
6) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS. ALL REINFORCEMENTS ARE APPROXIMATELY THE FULL LENGTH OF THE EXTRUSION. REFER TO TEST REPORTS FOR EXACT DIMENSIONS.

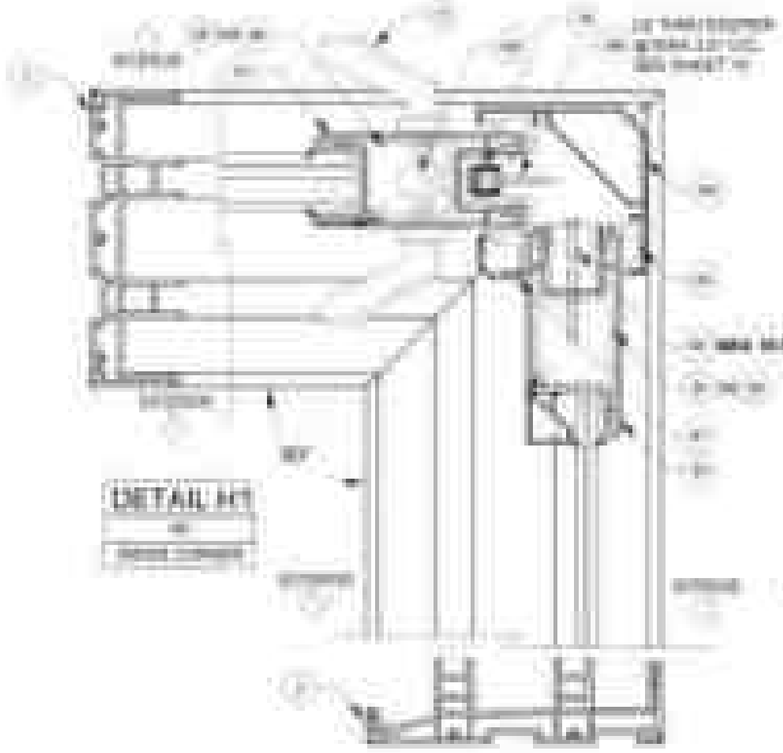
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VINYL SLIDING GLASS WINDOW
VERTICAL CROSS SECTIONS



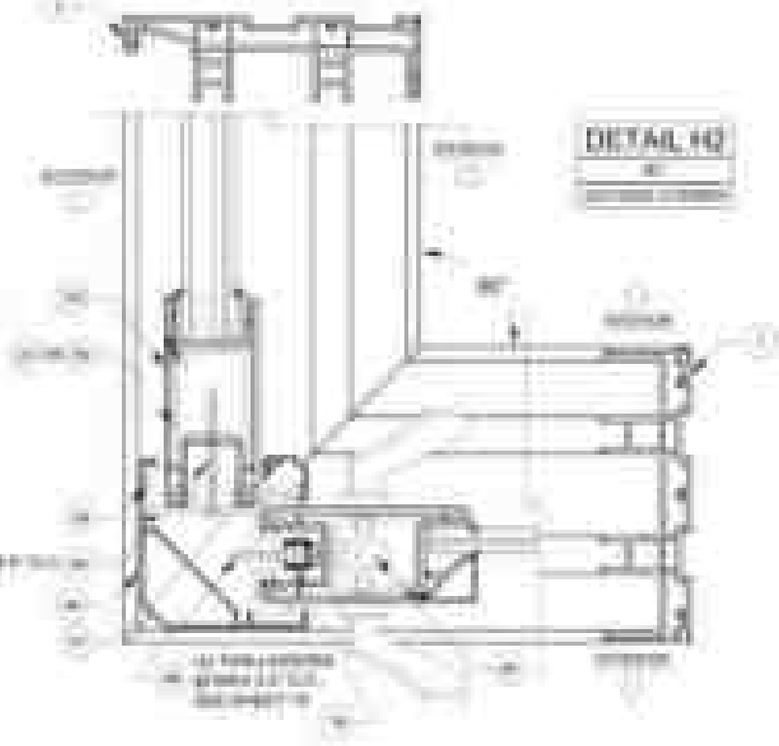
DETAIL 01



DETAIL 02



DETAIL H1



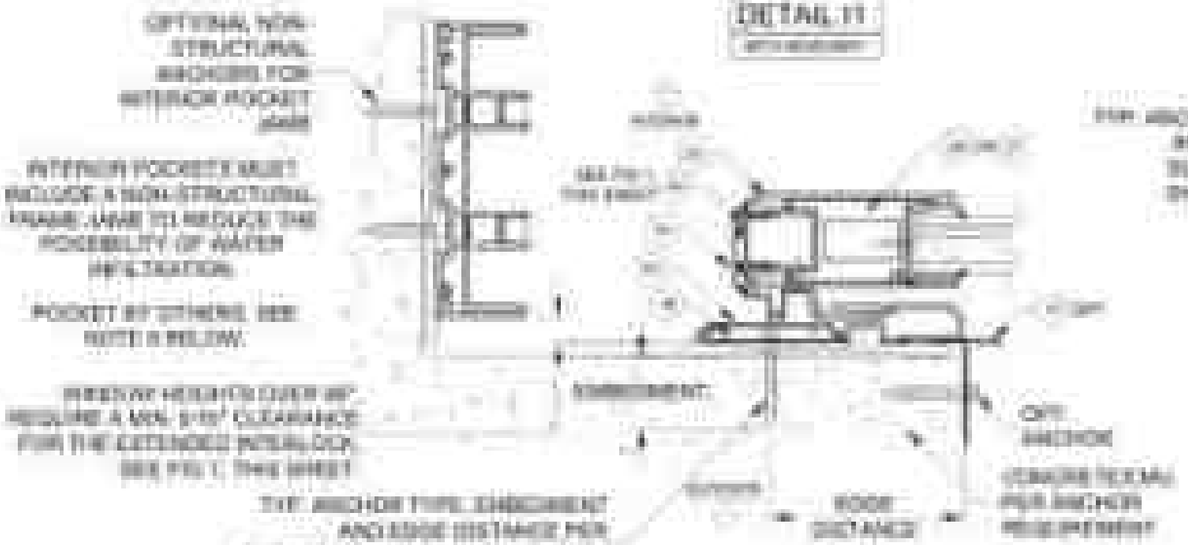
DETAIL H2

NOTES:
1) DETAIL 2 APPLY TO 2, 3 AND 4 TRUCK CONFIGURATIONS.
2) SEE SHEETS 74 & 75 FOR ANCHOR LOCATION & SPACING FOR ANCHOR QUANTITIES SEE TABLES 1 & 2.
3) CORNER ANTENNAS MAY BE EITHER TO THE INTERIOR OR EXTERIOR, DEPENDING ON CONFIGURATION.

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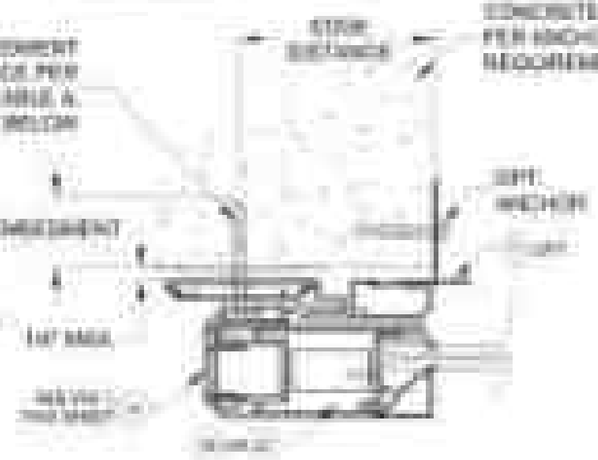
PROFESSIONAL ENGINEER

DETAIL 11

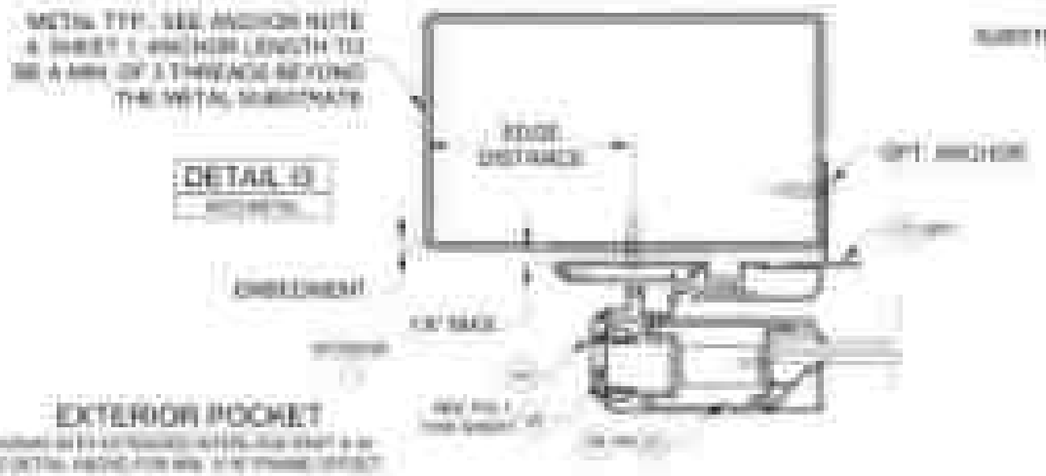


INTERIOR POCKET

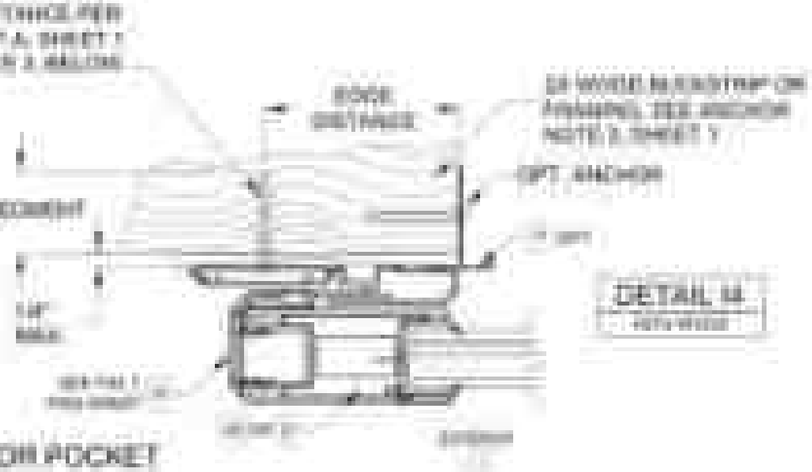
DETAIL 12



EXTERIOR POCKET



EXTERIOR POCKET



EXTERIOR POCKET

NOTES:
1) DETAILS APPLY TO 2, 3 AND 4 TRACK CONFIGURATIONS.
2) REFER TO ANCHOR NOTES, SHEET 1.
3) SEE SHEET 13 FOR ANCHOR LOCATION & SPACING, FOR ANCHOR QUANTITIES, SEE TABLES 1 & 2.
4) SEE TABLES 1 & 2 FOR REINFORCEMENT REQUIREMENTS.
5) INTERIOR OR EXTERIOR POCKETS APPLICABLE FOR ALL INSTALLATION METHODS.
6) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.



PGT

TABLE 1

Design Pressure (DP) and Anchor Quantities Required (for all stamped configurations on Sheet 2)

Use this table to: (Three Sizes: 1. Fit, 2 on 24, Average Performance (AP) or Uniform Performance (PU) or Min. Individual Reinforcement (IR))	Positive Design Pressure (PSF)																			
	20				30				40				50				60			
	Actual Glazing				Actual Glazing				Actual Glazing				Actual Glazing				Actual Glazing			
	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Anchor Type / Max. Spacing																				
Number of Anchors																				
Jamb																				
Head/Sill																				
Anchor Type / Max. Spacing																				
Number of Anchors																				
Jamb																				
Head/Sill																				
Anchor Type / Max. Spacing																				
Number of Anchors																				
Jamb																				
Head/Sill																				
Anchor Type / Max. Spacing																				
Number of Anchors																				
Jamb																				
Head/Sill																				

USED IN EXAMPLE ON SHEET 9

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE DESIGN VALUES OF EITHER TABLE 1 AND TABLE 2 OR DETERMINED THE WATER LIMITED TO DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, =DP'S SHOWN IN TABLE 1 MAY BE USED.

3) SEE SILL RISER TYPES ON SHEET 4

4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS

5) REFER TO ANCHOR NOTES, SHEET 1

6) SEE SHEETS 11-16 FOR ANCHOR LOCATION & SPACING

SLD WIDTH = NOM. PANEL WIDTH - 1 3/8"
SLD HEIGHT = WINDOW HEIGHT - 11 1/16"
PANEL HEIGHT = WINDOW HEIGHT - 2 1/2"

TABLE 2:

Water-Limited (*) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1 11/16"	See Note 2
#2	2 1/2"	+36.7 psf
#3	3 1/2"	+40.5 psf
#4	4 1/16"	+46.2 psf
#5	4.69"	+46.2 psf

FIG 1

9 FT MIN

WHEN USED IN A PASS-THROUGH WINDOW APPLICATION, SAME 9 FT OVERHANG IS REQUIRED PER THE CURRENT BUILDING CODE.

FOR STANDARD WINDOW APPLICATION, A SILL RISER WILL BE REQUIRED TO MEET THE WATER INFILTRATION REQUIREMENT.

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TABLE 1

Design Pressure (DP) and Anchor Quantities Required For all applicable configurations on Sheet 5

Max DP (PSF) for Glass Type & Thickness Shown Below (Laminated Glass Construction Shown)			Configuration																									
			1/2"				1A				1B				2/3				2				3				3A			
			Width				Width				Width				Width				Width				Width				Width			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Glass Type & Thickness		Design Pressure																												
		Height																												
		Min # of Anchors Required																												
2	SLAB SOLID MASS	Design Pressure																												
		Height																												
		Min # of Anchors Required																												
3	SOLID SOLID MASS	Design Pressure																												
		Height																												
		Min # of Anchors Required																												
3	SOLID LAM. SOLID	Design Pressure																												
		Height																												
		Min # of Anchors Required																												
3	SOLID LAM. SOLID	Design Pressure																												
		Height																												
		Min # of Anchors Required																												
4	SOLID LAM. SOLID	Design Pressure																												
		Height																												
		Min # of Anchors Required																												
4	SOLID LAM. SOLID	Design Pressure																												
		Height																												
		Min # of Anchors Required																												

* +/- 15.0 PSF FOR ANCHOR GROUPS B, C & E

TABLE NOTES:

1) IF WATER INFILTRATION RESISTANCE IS REQUIRED THE LESSER VALUES OF EITHER TABLE 2 AND TABLE 3(2) DETERMINES THE WATER LIMITED (+) DP.

2) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OTHERWISE AS PER FIG 7, A SILL RISER (3) NOT REQUIRED. IF SO, HDP'S SHOWN IN TABLE 1 MAY BE USED.

3) SEE SILL RISER TYPES ON SHEET 6

4) SHEET APPLIES TO 2, 3 AND 4 TRACK CONFIGURATIONS

5) REFER TO ANCHOR NOTES, SHEET 1

6) SEE SHEETS 11-16 FOR ANCHOR LOCATION & SPACING

SLD WIDTH = NOM. PANEL WIDTH - 1 3/8"
SLD HEIGHT = WINDOW HEIGHT - 11 1/2"
PANEL HEIGHT = WINDOW HEIGHT - 2 1/2"

TABLE 3(2)

Sill Riser	Water Limited (+) Design Pressure	
	Nom. Sill Height	Max. (+) DP Allowed
None	1 7/16"	See Note 2
#2	2 1/2"	+90.7 psf
#3	3 1/2"	+80.2 psf
#4	4 1/16"	+66.5 psf
#5	5 3/8"	+50.0 psf

PG1 ©

5 PT MIN

WHEN USED IN A PASS THROUGH WINDOW APPLICATION, A MIN. 5 PT OVERHANG IS REQUIRED PER THE CURRENT BUILDING CODE.

FOR STANDARD WINDOW APPLICATIONS, A SILL RISER WILL BE REQUIRED TO MEET THE WATER INFILTRATION REQUIREMENT.

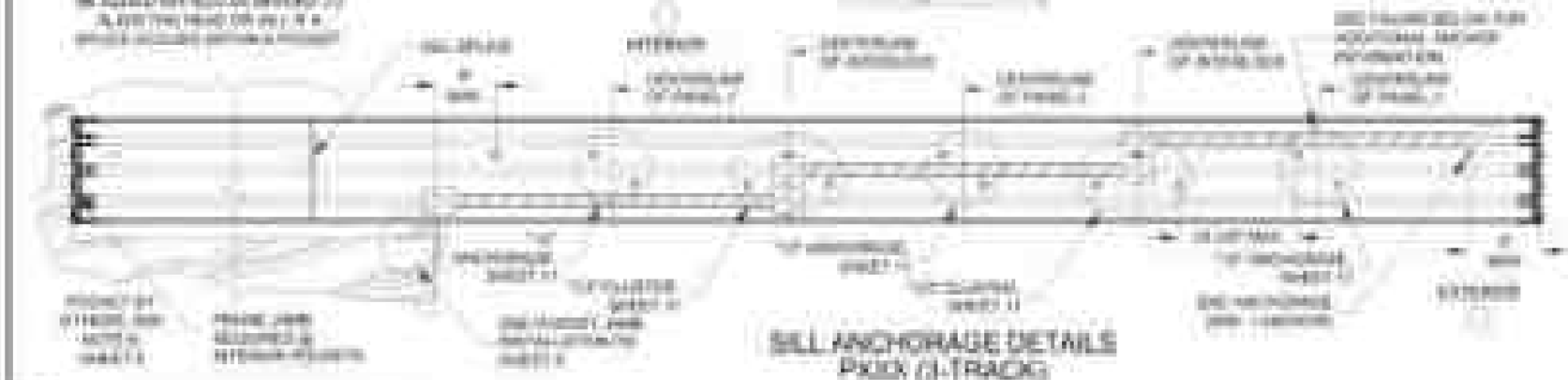
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PRODUCTION DATE

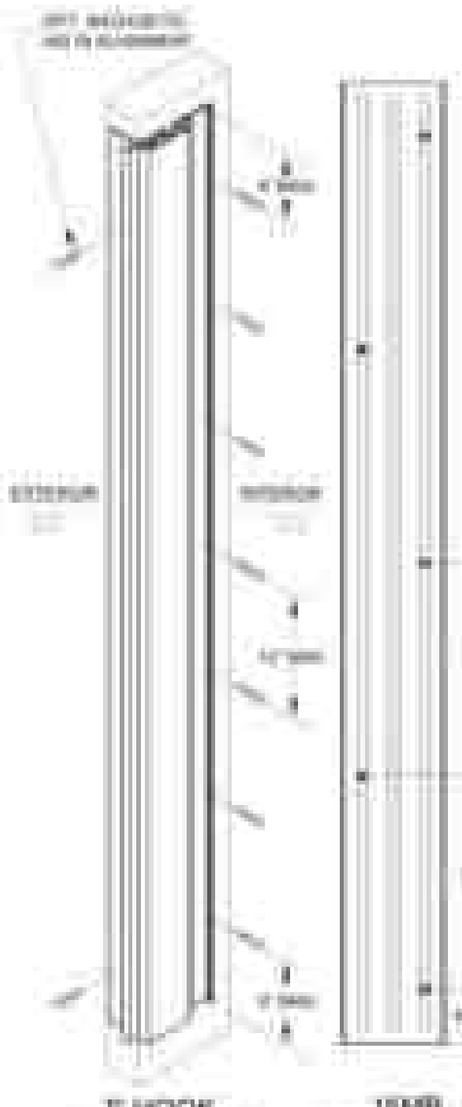
EXAMPLE:
1-PANEL, 2 TRACK, 2/2 SLIDER
CONFIGURATION - PXXX
INTERIOR MOUNT POCKET, 90° X 84"
NOM. PANELS:
LAMINATED, 3/32 GLAZING, ANSI/DOR
GROUP A W/ WOOD SUBSTRATE.
PROJECT DESIGN PRESSURE
REQUIRED: +45.0/-50.0 PSF



HEAD ANCHORAGE DETAILS
PXXX (3-TRACK)



SILL ANCHORAGE DETAILS
PXXX (3-TRACK)



F-HOOK
ANCHORAGE
DETAILS

JAMB
ANCHORAGE
DETAILS

1) KNOWING THE PRODUCTS REQUIREMENTS, SCAN THROUGH TABLES 1 & 2 FOR A DESIGN PRESSURE THAT MEETS OR EXCEEDS THE REQUIREMENT OF +45.0/-50.0 PSF. A NOM. PANEL SIZE OF 48" X 84" FROM TABLE 1, SHEET 7, THE DESIGN PRESSURE IS +50.00 WHICH EXCEEDS THE PROJECT DESIGN PRESSURE REQUIREMENTS.

FOR WOOD INSTALLATION USING ANY ANCHOR IN GROUP A, USE TABLE A1, TABLE 1 SHOWS MIN ANCHOR REQUIREMENTS OF:

Threaded	#8 x 2"
Jamb	3
P-Hook	7

2) ANCHOR LOCATION DETAILS CAN BE FOUND ON:
HEAD CLUSTER ANCHORS: SHEET 12 FOR THE "CI" CLUSTER ANCHORS AT THE INTERCOASTAL.
HEAD INTERMEDIATE ANCHORS): SHEET 12 FOR THE "I-I ANCHORS AT THE MIDSPAN OF EACH PANEL.
SILL CLUSTER ANCHORS): SHEET 11 FOR THE "CI" CLUSTER ANCHORS AT THE INTERLOCK/ASTRAGAL.
SILL INTERMEDIATE ANCHORS): SHEET 11 FOR THE "I-I ANCHORS AT THE MIDSPAN OF EACH PANEL.
JAMB: 5 ANCHORS: SHEET 12 FOR GEN. LAYOUT.
P-HOOK: 7 ANCHORS: SHEET 13 FOR GENERAL LAYOUT.

3) INSTALLATION DETAILS INTO WOOD CAN BE FOUND ON:
HEAD & SILL: SHEET 4
JAMB: SHEET 5
P-HOOK: SHEET 6

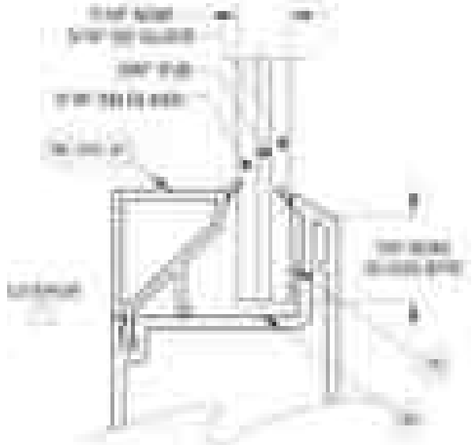
END PANEL ANCHOR EXCEPTION:



FOR ALL (ENDWALL AND I-HEAD) ANCHORS AT THE MIDPOINT OF END PANELS ARE ONLY REQUIRED IF THE O.C. DISTANCE TO THE NEXT ANCHOR CLUSTER IS GREATER THAN 24". OTHERWISE ANCHORS ARE NOT REQUIRED AS PER THE FIGURE ABOVE.

FOR PRODUCT REFERENCES, ALSO SEE:
A) SHEET 2 FOR ALLOWABLE CONFIGURATIONS AND EXACT LOCATIONS OF CROSS-SECTION DRAWINGS.
B) SHEET 10 FOR SPECIFIC GLAZING TYPES.
C) SHEET 17 FOR ALLOWABLE PANEL TYPES AND CALL NAMES.
D) SHEETS 4 & 18 FOR EXTRUSION CROSS-SECTION DRAWINGS.
E) SHEET 19 FOR INSTALLATION OF ADDITIONAL ACCESSORIES.
F) SHEET 21 FOR A BILL OF MATERIALS.

PGT



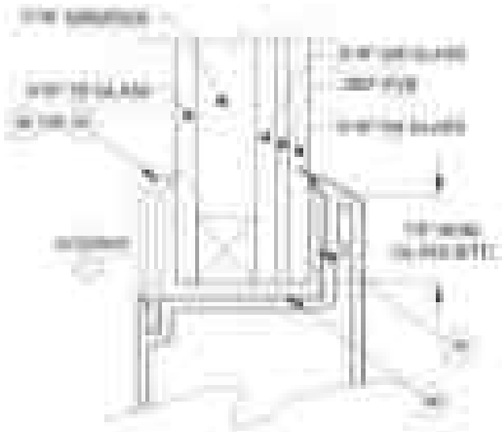
GLASS TYPE 1



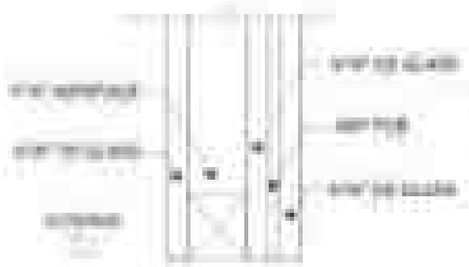
GLASS TYPE 1A



GLASS TYPE 2



GLASS TYPE 3



GLASS TYPE 3A



GLASS TYPE 4

TABLE II

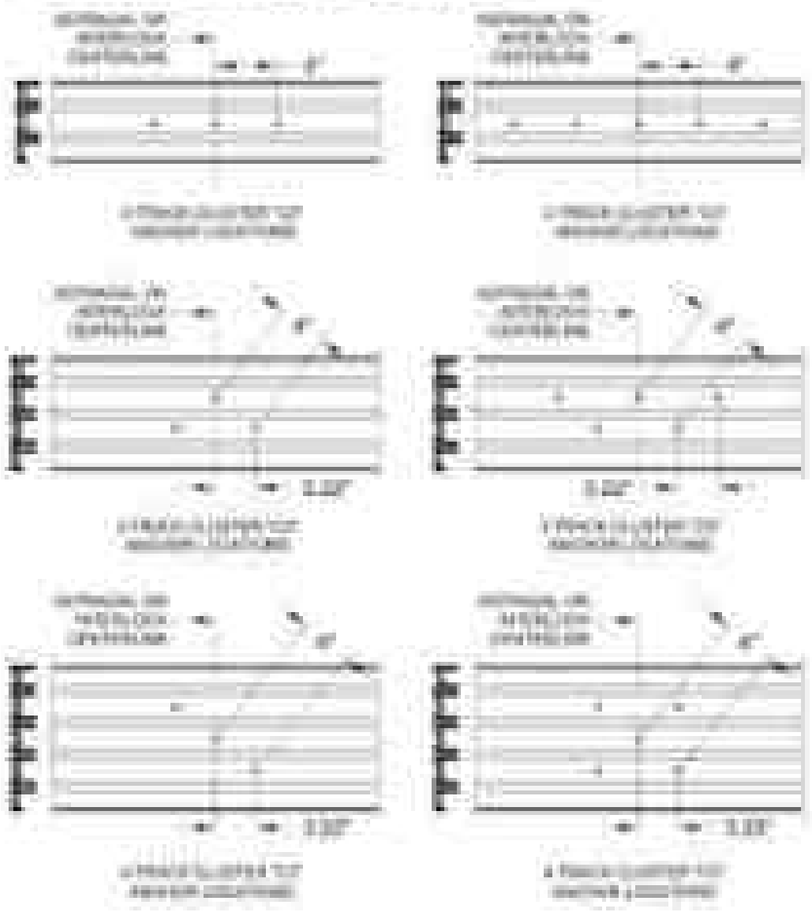
Glass Type	Description (Listed from Exterior to Interior)
1	[illegible]
1A	[illegible]
2	[illegible]
3	[illegible]
3A	[illegible]
4	[illegible]

"ANN" = ANNEALED
"HS" = HEAT STRENGTHENED
"T" = TEMPERED
"PVB" = TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC.
"SGP" = SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.

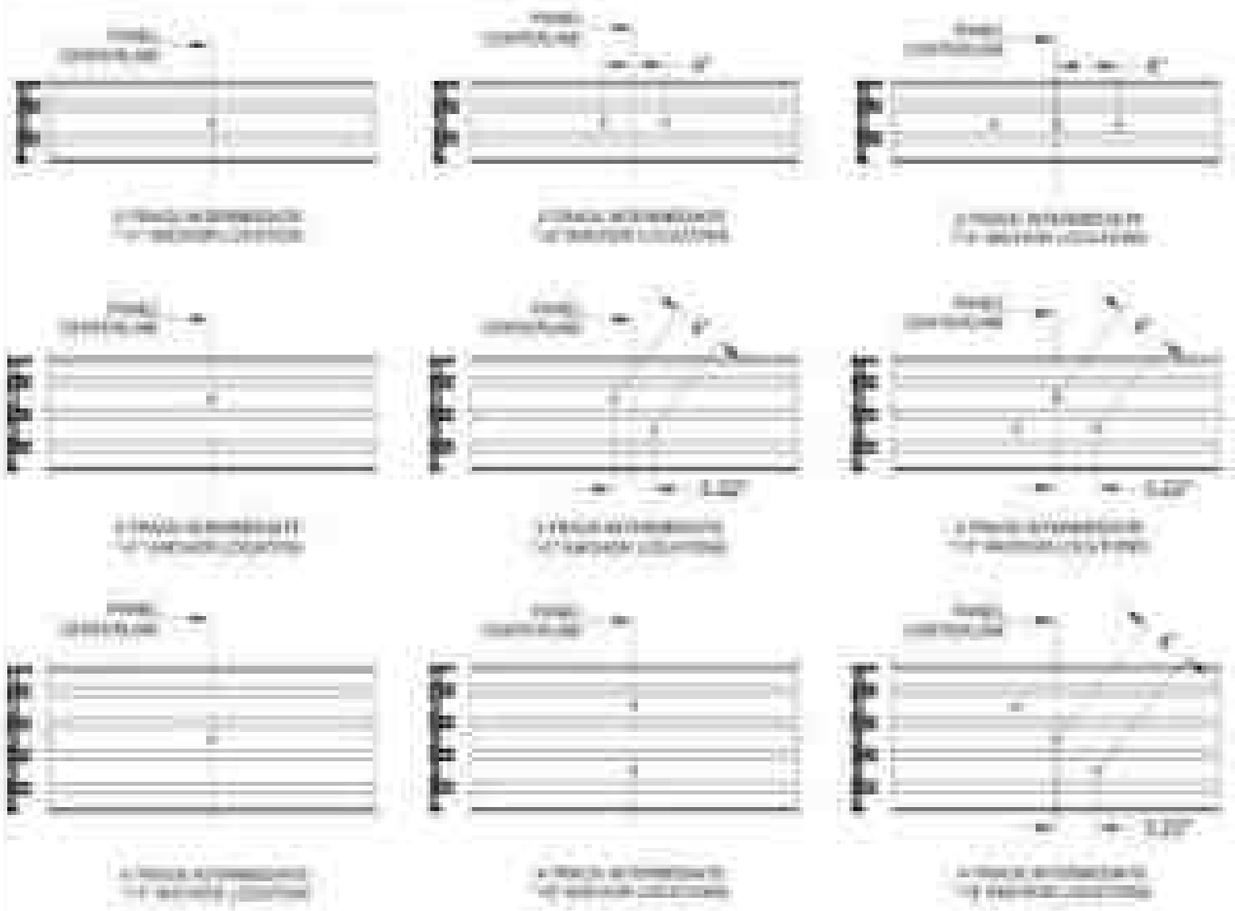
PGT

[illegible]

SILL CLUSTER ANCHORS LAYOUT:

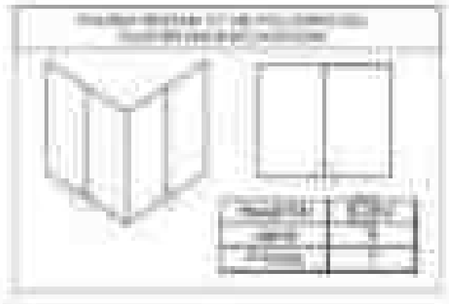


SILL "+" INTERMEDIATE ANCHORS LAYOUT:



NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

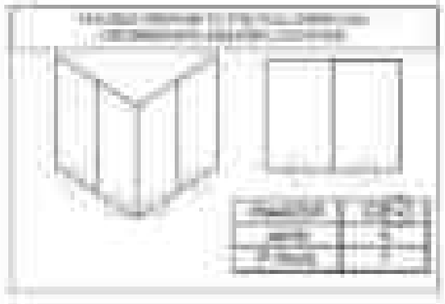
2) TRACK TO TRACK DISTANCE IS 2.375" FOR ALL SILLS





NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) TRACK TO TRACK DISTANCE IS 2.375" FOR ALL SILLS

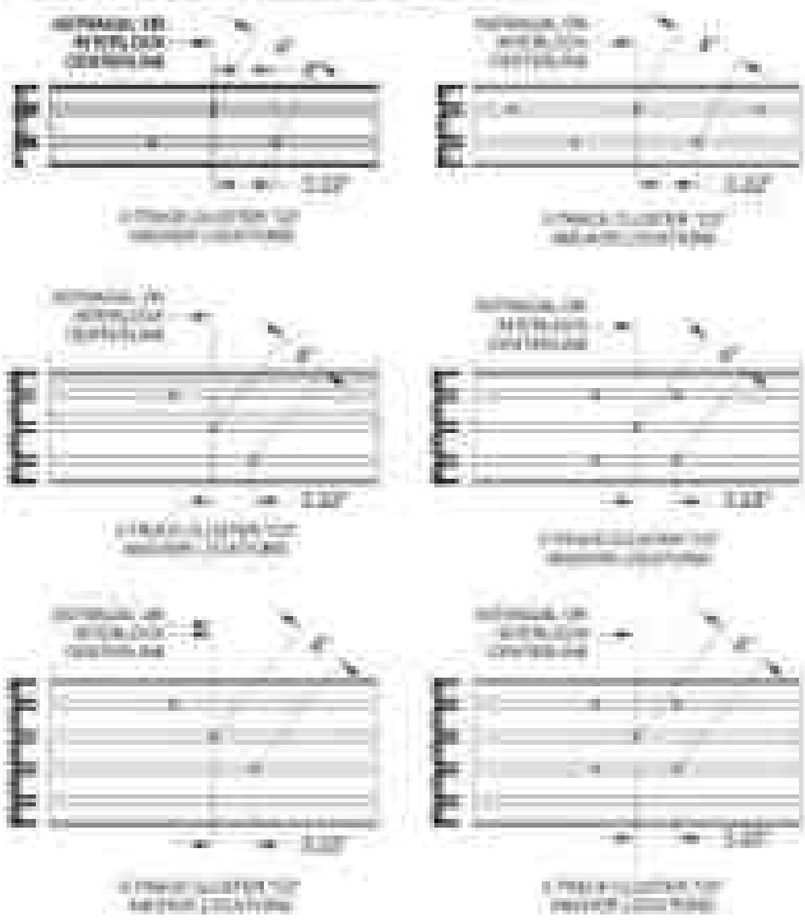




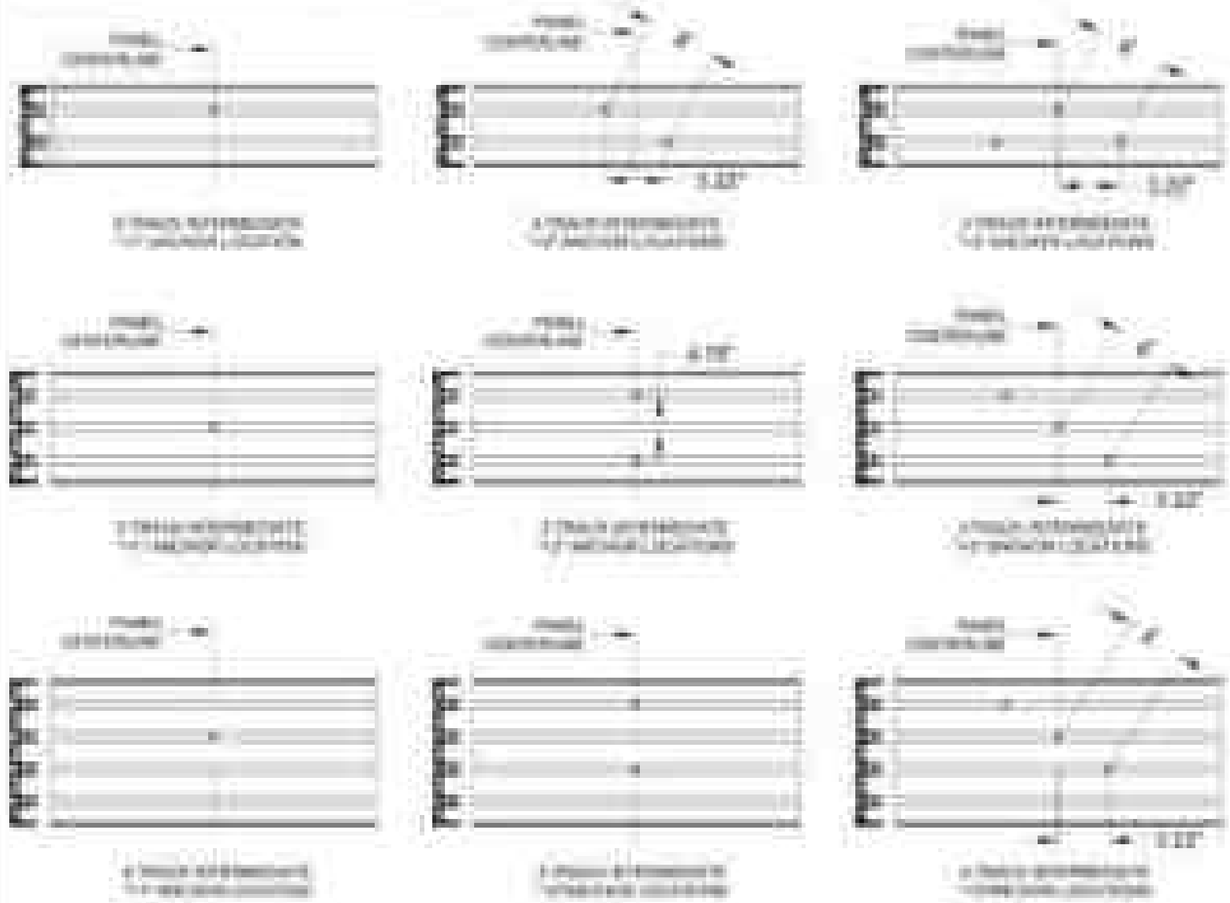
PGT



HEAD CLUSTER ANCHORS LAYOUT



HEAD "+" INTERMEDIATE ANCHORS LAYOUT



NOTES
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS.



NOTES
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.
2) TRACK-TO-TRACK DISTANCE IS 2.375" FOR ALL HEADS.

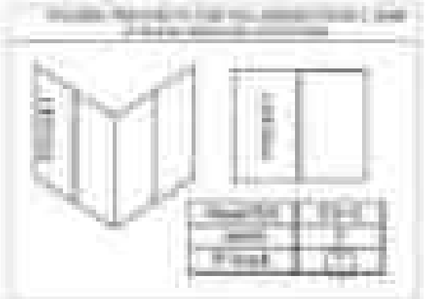


PGT

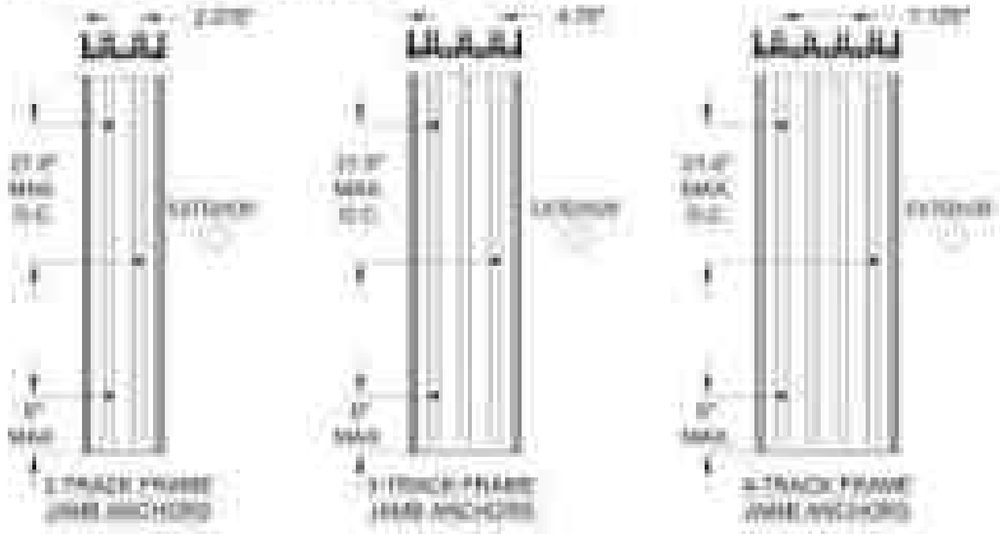
P-HOOK ANCHORS LAYOUT:

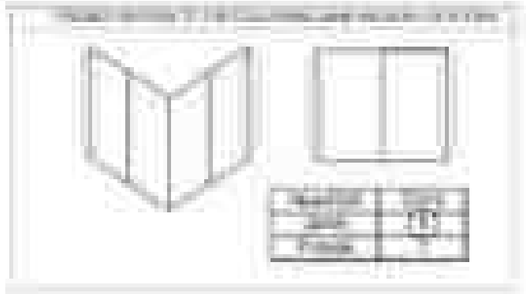


NOTES:
1. SEE TABLES 1 - 2 FOR EXACT QUANTITY OF ANCHORS REQUIRED IN THE P-HOOK.

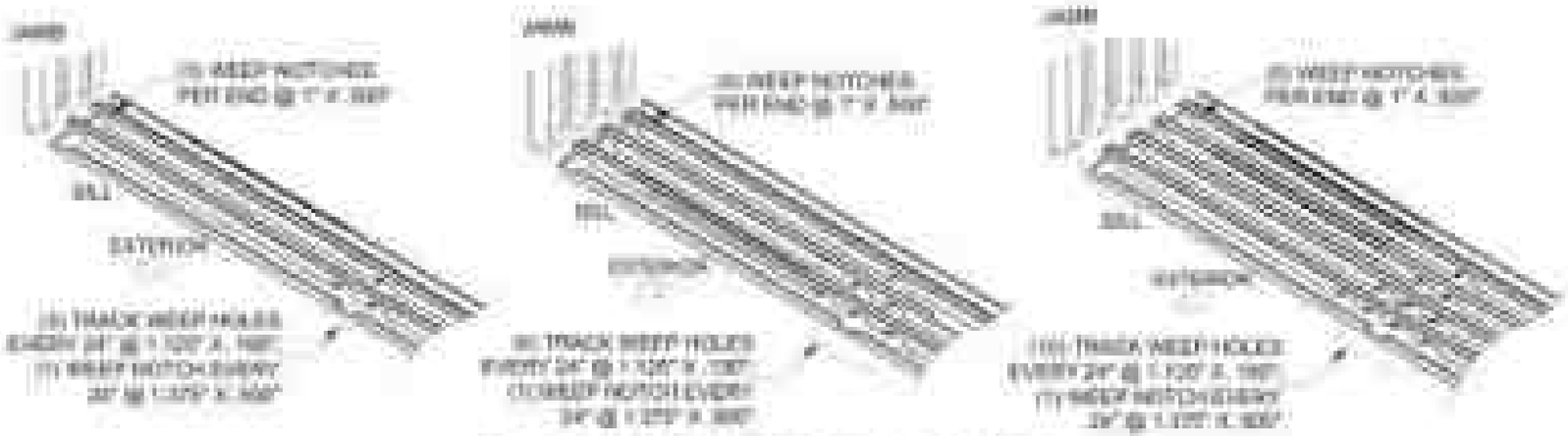


JAMB ANCHORS LAYOUT: (PARTIAL VIEW)





NOTE:
1) STANDARD ANCHOR LOCATIONS SHOWN FOR 2, 3 AND 4-TRACK JAMBS. ANCHORS MAY BE LOCATED IN ADJACENT RACKS (SIMILAR TO THE 3 TRACK JAMB) AS REQUIRED TO MEET MIN. EDGE DISTANCE CONSTRAINTS.

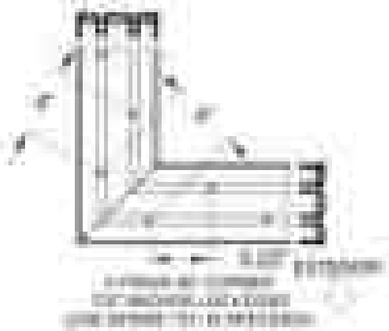


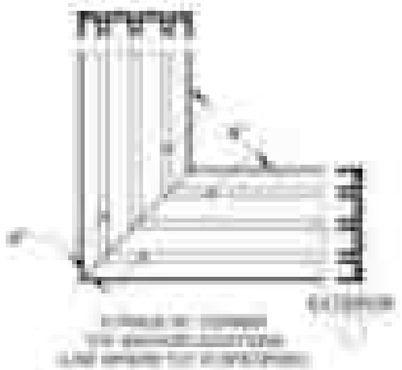
SILL WEEPHOLE LAYOUT (2, 3 & 4 TRACKS)

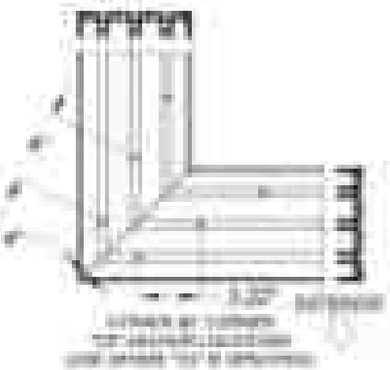
PGT

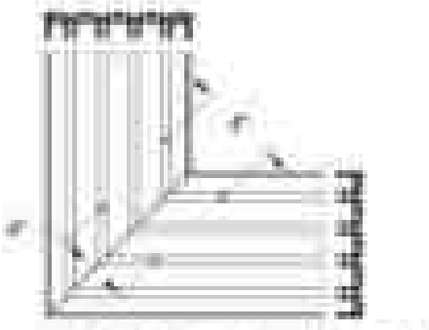
HEAD 90° CORNER CLUSTER ANCHORS LAYOUT:

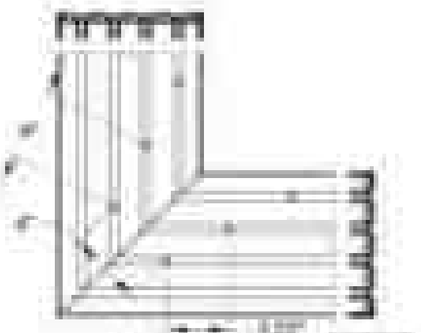






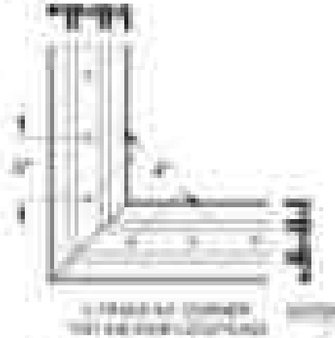


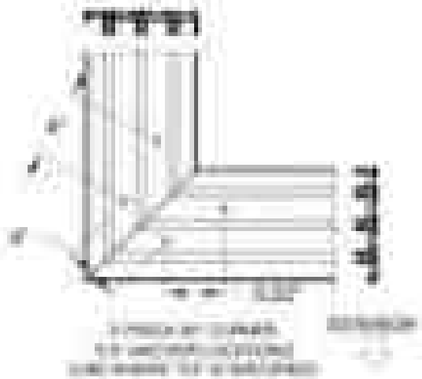


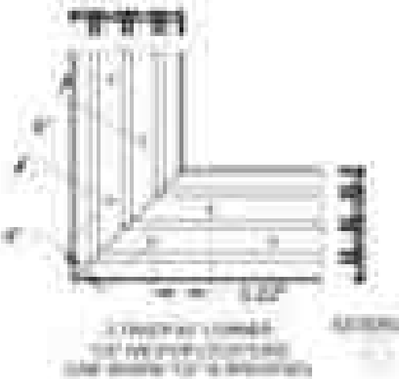


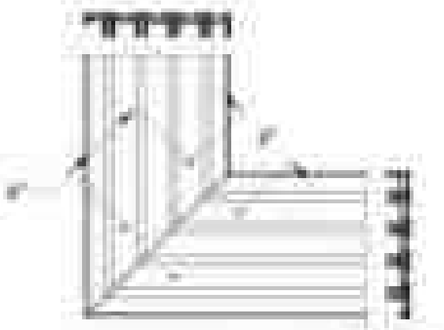
SILL 90° CORNER CLUSTER ANCHORS LAYOUT:













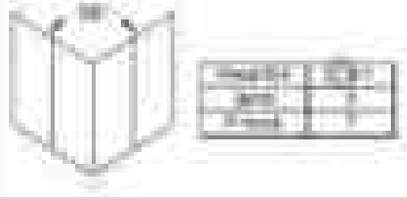
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) PANEL-TO-PANEL DISTANCE IS 2.375" FOR ALL HEADS AND SILLS







PGT

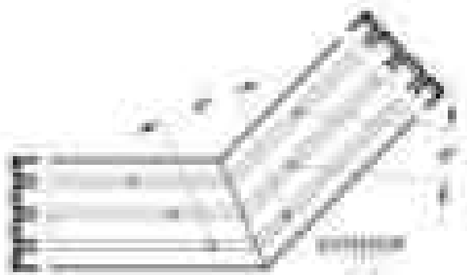
ANCHOR LAYOUT

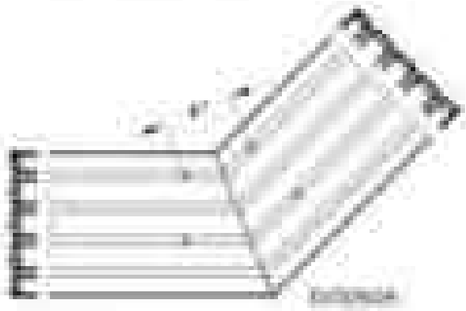
HEAD 135° CORNER CLUSTER ANCHORS LAYOUT

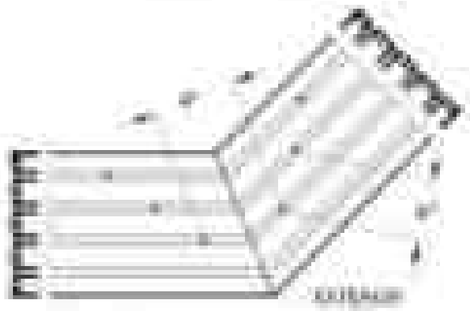












SILL 135° CORNER CLUSTER ANCHORS LAYOUT













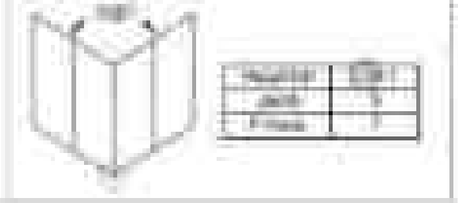
NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

2) DETAILS DEPICT ANCHOR QUANTITY AND SPACING AND WOULD BE SIMILAR FOR OUTSIDE (SHOWN) AND INSIDE CORNER CONFIGURATIONS.

3) TRACK TO TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS.







PGT

ANCHOR LAYOUT

HEAD SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:













SILL SPLICE ANCHORS LAYOUT @ INTERLOCK OR ASTRAGAL:

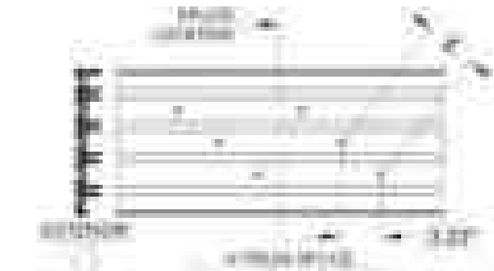












NOTES:
1) ALL DIMENSIONS SHOWN ARE BASED ON MINIMUM ALLOWED.

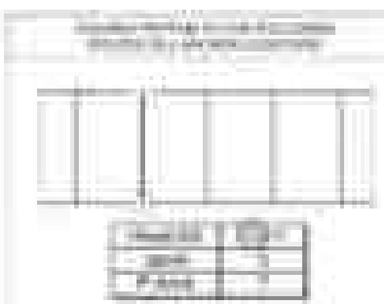
2) ABOVE FIGURES ARE FOR SPLICES OCCURRING AT THE ASTRAGAL OR INTERLOCK. FOR SPLICES OCCURRING INSIDE OF A POCKET, SEE THE EXAMPLE ON SHEET 5.

3) TRACK TO TRACK DISTANCE IS 2.375" FOR ALL HEADS AND SILLS



4) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

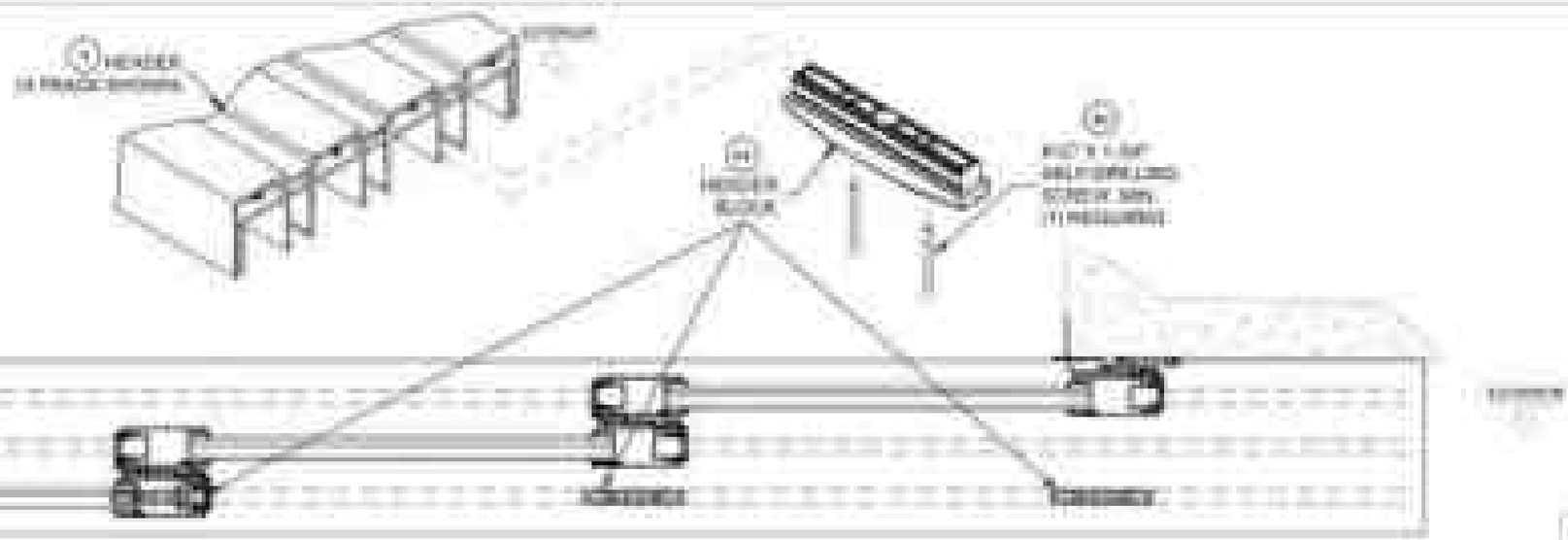






HEADER BLOCK TO HEADER ATTACHMENT
TO PREVENT ANY EXTERIOR OPERABLE
PANEL FROM DISLODGING TO THE
EXTERIOR, INSTALL ONE HEADER BLOCK
AT EACH INTERLOCK INTERFACE AND
FINISH INTO THE EXTERIOR TRACK OF THE
HEADER. TRIM THE SCREEN COVER AS
NEEDED. SEE SHEET 10 FOR INSTALLATION
DETAILS OF ADDITIONAL HEADER BLOCKS.

EXAMPLE: HEADER BLOCK PLACEMENT IN
2 PANEL CONFIGURATION (SYMBOLS SHOWN)



PANEL TYPES	PANEL'S RIGHT STILE TYPE									
PANEL'S LEFT STILE TYPE		F	PP	K	L	L	TC	TA	TV	TW
	B	E	P	A	C	C	SC	SA	SV	SW
	RR	R			S	S	FC	FD	FV	FW
	D	M			J	J				
	LR		T	U						
		N	T	U						
	CT	CS	CF							
	AT	AS	DF							
	VT	VS	VF							
	WT	WS	WF							



PANEL NOTES:

1) SEE SPAN/ANCHOR TABLES 1 & 2, SHEETS 7 & 8 FOR PANEL SIZES & DESIGN PRESSURE.

2) PANEL TYPES NOT SHOWN ARE NOT REQUIRED FOR ANY CONFIGURATIONS AND ARE NOT AVAILABLE.

3) MINIMUM NOMINAL PANEL WIDTH FOR ALL PANEL CONFIGURATIONS IS 60".

4) PANEL TYPE MAY BE EITHER EXTERIOR GLAZED OR INTERIOR GLAZED, BOTH TYPES QUALIFIED BY TAS APPROVAL. SEE DETAILS SHEET 11

PGT

PANEL SLIDING DOOR WINDOWS

HEADER BLOCK INSTALLATION

SCALE: NOT TO SCALE

DRAWING NO. 10

SHEET NO. 10 OF 14

REVISIONS

PROFESSIONAL ENGINEER



1. 3 TRACK HEAD/JAMB



2. 4 TRACK SILL



3. 3 TRACK HEAD/JAMB



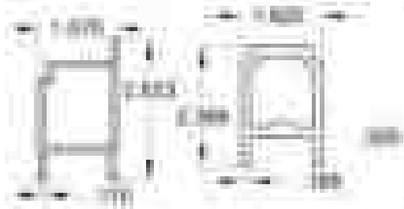
4. 3 TRACK SILL



5. 4 TRACK HEAD/JAMB



6. 4 TRACK SILL



7. TOP, BOTTOM AND STILE REINFORCEMENT

8. TOP, BOTTOM AND STILE COMPOSITE REINFORCEMENT



9. INTERLOCK, MM REINFORCEMENT STANDARD



10. INTERLOCK, MM REINFORCEMENT HEAVY DUTY



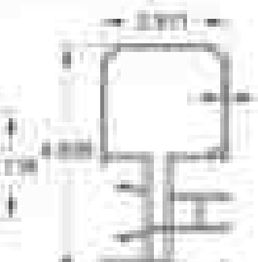
11. MEETING RAIL REINFORCEMENT



12. EXTENDED POCKET INTERLOCK ADAPTER



13. INTERLOCK ADAPTER



14. MEETING ADAPTER



15. PANEL STILE, TOP AND BOTTOM RAIL



16. INTERIOR JAMB COVER



17. 135° CORNER ADAPTER



18. 135° CORNER PASSIVE INSERT



19. 135° CORNER MEETING RAIL CAP EXTERIOR



20. 135° CORNER MEETING RAIL CAP INTERIOR



21. 90° CORNER ADAPTER



22. 90° CORNER MEETING RAIL CAP EXTERIOR



23. 90° CORNER MEETING RAIL CAP INTERIOR



24. STAY SQUARE MUNTIN



25. STAY BEVELED MUNTIN



26. STAY HALF ROUND MUNTIN



27. STAY OVAL MUNTIN



28. STAY DUKE MUNTIN

NOTES:

1) SEE SHEET 4 FOR ALL FINISHES.

2) SEE SHEET 20 FOR HORIZON PARTS.

3) ALL DIMENSIONS IN INCHES.

PGT

PANEL STILE AND RAIL REINFORCEMENT

EXTENDED POCKET INTERLOCK ADAPTER

SCALE: 1/2" = 1'-0"

DRAWING NO. 19

SHEET 5 OF 20

HEADER BLOCK TO HEAD ATTACHMENT

JAMB TO HEAD ASSEMBLY

JAMB TO SILL ASSEMBLY

REINFORCEMENT PLATE

INTERLOCK SILL RETAINER CLIP ATTACHMENT

PANEL ASSEMBLY

KEEPER TO JAMB ATTACHMENT

PGT

BOX SCREEN DETAILS:

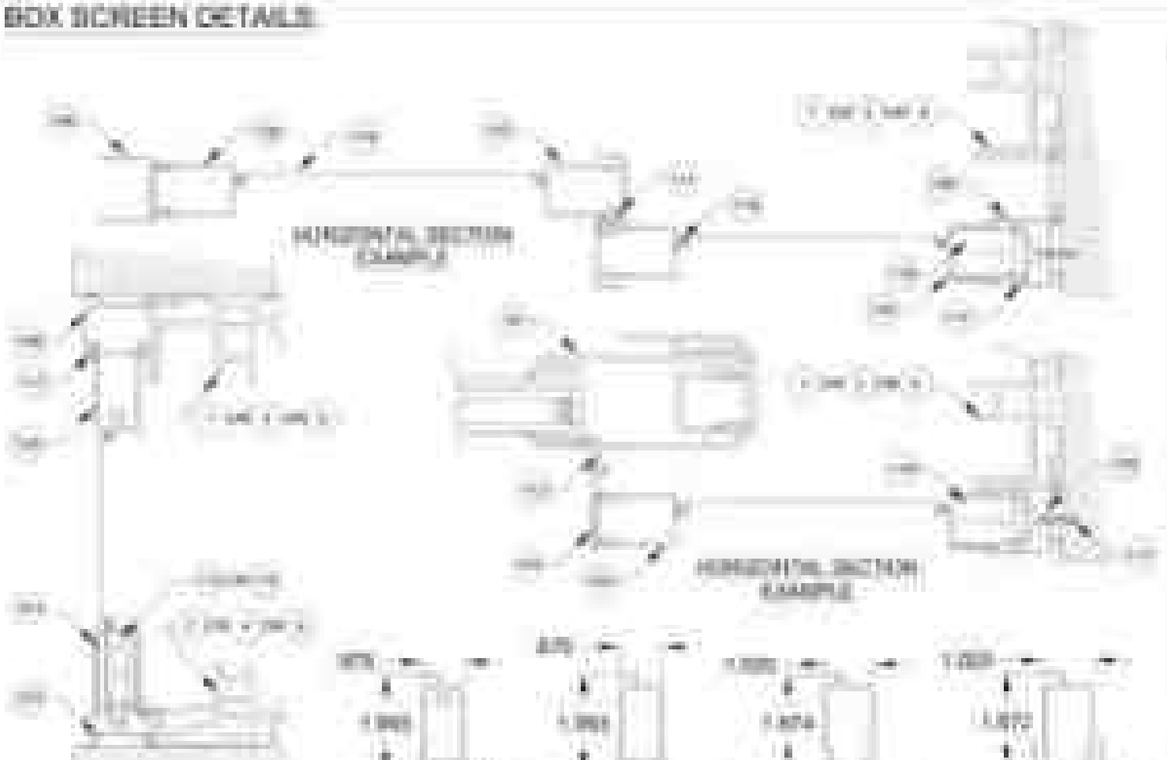


TABLE C: BOX SCREEN

#	Part #	Description	Material
100	13008	Box Screen Top Rail	6063-T5 or
101	13007	Box Screen Bottom Rail	6063-T5 or
102	13006	Box Screen Side Rail	6063-T5 or
103	84438	Box Screen Interlock	6063-T5 or
104	113439	Box Screen Snap-on Bug Flap	6063-T5 or
105	84240	Box Screen 2X2 Extrusional Adapter	6063-T5 or
106	13009	Box Screen Motional Adapter	6063-T5 or
107	13008	Box Screen Frame Rail Add-on	6063-T5 or
108	13010	Box Screen Head/Jamb Add-on	6063-T5 or
109	120013	Pull-on x 1" SMS @ Top Rail	SS
110	120014 SS	Pull-on x 1-1/2" SMS @ Bottom Rail	SS
111	113432	Insert, 270° x 150° - Fin Side	
112	113438	Insert, 180° x 200° @ Fin & Flex	
113	113442	Screen Hook	Nylon
114	120004	1/4" Roller	SS
115	spec	Screen Locking Hardware	Steel
116	113433	Screen Assembly	Steel
117	120015 SS	#8 x 1" Pan FH SMS	Steel
118	120012	Screen Spline - 1/4" & 5/16"	Vinyl
119	113435	Screen Cloth	Fiberglass

STANDARD SCREEN DETAILS:

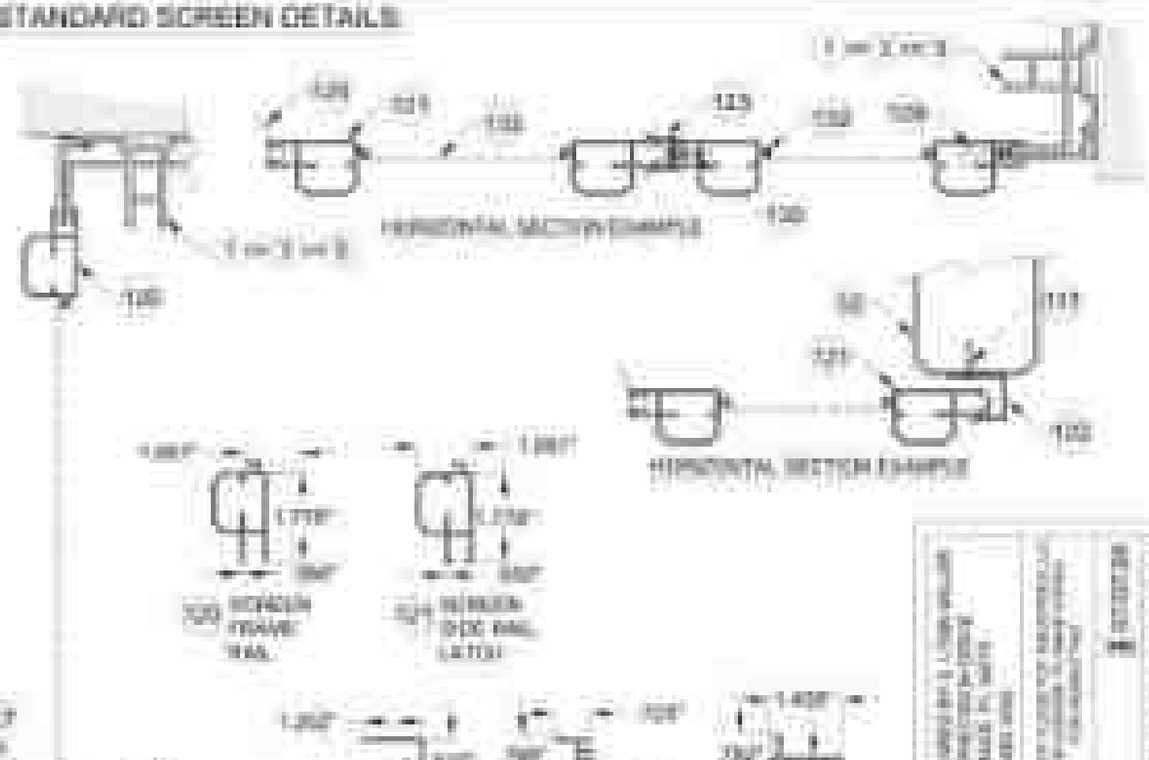


TABLE D: STANDARD SCREEN

#	Part #	Description	Material
120	13011	Screen Frame Rail	6063-T5 or
121	120004	Screen Frame Top Rail Lock	6063-T5 or
122	113431	Screen 2X2 Extrusional Adapter	6063-T5 or
123	13010	Screen Vinyl Retainal Adapter	6063-T5 or
124	120016	Screen Add-on Frame Rail	Steel #22
125	120018	Screen Frame Corner Key	Vinyl
126	120019 SS	#8 x 1" Pan FH SMS @ Screen Add-on	SS
127	113437	Screen Vinyl Retainal Adapter	Nylon
128	113436	Screen Vinyl Retainal Adapter	SS
129	spec	Screen Locking Hardware	Steel
130	120020 SS	#8 x 1/2" Pan FH SMS @ Screen Add-on	SS
131	120021 SS	#8 x 1/2" Pan FH SMS @ Screen Add-on	SS
132	120012	Screen Spline - 1/4"	Vinyl
133	113435	Screen Cloth	Fiberglass

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PGT INDUSTRIES
1070 ENGINEERED PRODUCTS DRIVE
NORTH VENICE, FL 34275
PHONE: 941.486.8555
FAX: 941.486.8557
WWW.PGTINDUSTRIES.COM
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THIS PRODUCT IS MANUFACTURED AT ONE OR MORE OF THE FOLLOWING LOCATIONS: 1070 ENGINEERED PRODUCTS DRIVE, NORTH VENICE, FL 34275; 2800 HIGHWAY 301 NORTH, ELLENTON, FL 34222
REVISIONS
DESCRIPTION
DATE
APPR.
ENGINEERED BY: JAMES HENDERSON
DATE: 10/15/2015
SCALE: NTS
DRAWING NO: 113444
SHEET NO: 2 OF 2
BOX SCREEN DETAILS
STANDARD SCREEN DETAILS

TABLE 2:

#	Part #	Description	Material
1	[illegible]	2-Track Head/Jamb	Rigid PVC
2	[illegible]	2-Track Sill	Rigid PVC
3	[illegible]	3-Track Head/Jamb	Rigid PVC
4	[illegible]	3-Track Sill	Rigid PVC
5	[illegible]	4-Track Head/Jamb	Rigid PVC
6	[illegible]	4-Track Sill	Rigid PVC
7	[illegible]	Frame Screw Cover	Rigid PVC
8	[illegible]	[illegible]	6063-T6 Alum.
9	[illegible]	Track [illegible]	6063-T6 Alum.
10	[illegible]	Interlock Cap - Extended Flange	Rigid PVC
11	[illegible]	Bottom Rail Support	6063-T6 Alum.
12	[illegible]	[illegible] Sill Cover	6063-T6 Alum.
13	[illegible]	Sill Track Cover	Rigid PVC
14	[illegible]	[illegible] Adapter	6063-T6 Alum.
15	[illegible]	[illegible]	6063-T6 Alum.
16	[illegible]	[illegible]	6063-T6 Alum.
20	[illegible]	[illegible]	6063-T6 Alum.
21	[illegible]	Fixed Panel Clip	6063-T6 Alum.
22	[illegible]	Reinforcement Plate	6063-T6 Alum.
23	[illegible]	Tie Rod, Bottom Rail and Lockstile Reinforcement	6063-T6 Alum.
24	[illegible]		Composite
27	[illegible]	Interlock [illegible] Reinforcement, Std.	6063-T6 Alum.
28	[illegible]	Interlock [illegible] Reinforcement, HD	6063-T6 Alum.
29	[illegible]	Astragal [illegible]	6063-T6 Alum.
30	[illegible]	[illegible]	6063-T6 Alum.
31	[illegible]	[illegible] Adapter	Rigid PVC
32	[illegible]	Astragal [illegible]	Rigid PVC
33	[illegible]	[illegible]	Rigid PVC
34	[illegible]	[illegible]	6063-T6 Alum.
35	[illegible]	[illegible] Corner Astragal	6063-T6 Alum.
36	[illegible]	[illegible] Corner Astragal [illegible]	6063-T6 Alum.
37	[illegible]	[illegible] Astragal Cap [illegible]	Rigid PVC
38	[illegible]	[illegible] Astragal Cap [illegible]	Rigid PVC
39	[illegible]	90° Corner Astragal	6063-T6 Alum.
40	[illegible]	90° Corner Astragal Cap [illegible]	Rigid PVC
41	[illegible]	90° Corner Astragal Cap [illegible]	Rigid PVC
42	[illegible]	Sill Riser [illegible]	6063-T6 Alum.
43	[illegible]	Sill Riser [illegible]	6063-T6 Alum.
44	[illegible]	Sill Riser [illegible]	6063-T6 Alum.
45	[illegible]	Sill Riser [illegible]	6063-T6 Alum.
50	[illegible]	[illegible]	
51	[illegible]	[illegible] Plug	
52	[illegible]	[illegible] Plug	
60	[illegible]	Interlock [illegible] Cover	PVC
61	[illegible]	Tandem Roller Assembly	SS
62	[illegible]	Tandem Roller Assembly	Nylon
63	[illegible]	#8 x [illegible] @ Roller & Panel	SS

#	Part #	Description	Material
64	[illegible]	Frame [illegible] Block	Nylon
65	[illegible]	[illegible] Plug	PVC
66	[illegible]	[illegible] Bumper Stop	PVC
67	[illegible]	#8 x [illegible] @ Bumper Stop	SS
68	[illegible]	[illegible] Plug	PVC
69	[illegible]	[illegible] Lock [illegible] Trim plate	Stainless
70	[illegible]	#10 x [illegible] @ Lock	SS
71	[illegible]	Handle Kit	Cast Zinc
72	[illegible]	Interlock Retainer Clip	Nylon
75		[illegible]	
76		Dow [illegible]	Silicone
80	[illegible]	[illegible] Square Bead	Rigid PVC
81		[illegible] Beveled Bead	Rigid PVC
82	[illegible]	1-1/16" Beveled Bead	Rigid PVC
83	[illegible]	1-1/16" Open Bead	Rigid PVC
84	[illegible]	1-3/16" Open Bead	Rigid PVC
85	[illegible]	Setting Block [illegible]	Neoprene
86	[illegible]	Setting Block [illegible]	Neoprene
90	[illegible]	#8 x 1" [illegible] @ Frame Assembly	SS
91	[illegible]	#8 x [illegible] @ Reinf. Bar	SS
92	[illegible]	#10 x 1" [illegible] @ Sill Support	SS
93	[illegible]	#10 x [illegible] @ Fxd. Pnl. Clip	SS
94	[illegible]	#10 x [illegible] @ Reinf. Plate	SS
95	[illegible]	#10 x [illegible] @ Hd. Block	SS
96	[illegible]	#10 x [illegible] @ [illegible] Mount	SS
97	[illegible]	#10 x [illegible] @ [illegible]	SS
98	[illegible]	#10 x [illegible] @ Roller	SS
99	[illegible]	#10 x 2" [illegible] @ Roller	SS
100	[illegible]	Fixed Panel Adapter	

PGT

VINYL SLIDING GLASS DOOR