

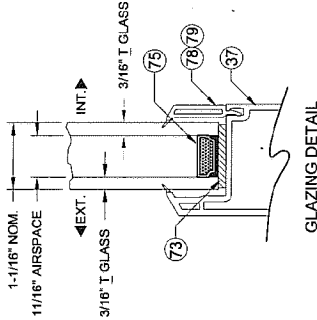
GENERAL NOTES: SERIES 470 NON-IMPACT SLIDING GLASS DOOR

1. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2007 EDITION.
2. GLAZING TYPE: (FROM EXTERIOR TO INTERIOR); 3/16" TEMPERED GLASS + 11/16" AIR SPACE + 3/16" TEMPERED GLASS CAP; APPROVED BACKBEDDINGS ARE GE 7700 AND DOW-CORNING 995.
3. MASONRY ANCHORS MAY BE USED INTO WOOD AS PER TABLE 1, SHEET 6. WOOD BUCKS DEPICTED AS 1X ARE LESS THAN 1-1/2" THICK. 1X WOOD BUCKS ARE OPTIONAL IF UNIT IS INSTALLED DIRECTLY TO SUBSTRATE. WOOD BUCKS DEPICTED AS 2X ARE 1-1/2" THICK OR GREATER. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED TO PROPERLY TRANSFER LOADS TO THE STRUCTURE. WOOD BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD.
4. IF SILL IS TIGHT TO SUBSTRATE, GROUT OR OTHER MATERIAL IS NOT REQUIRED. IF USED, NON-SHRINK, NON-METALLIC GROUT, 3400 PSI MIN., (DONE BY OTHERS) (MAX. 1/4" SHIM SPACE FOR GROUT) MUST FULLY SUPPORT THE ENTIRE LENGTH OF THE SILL THAT IS NOT TIGHT TO THE SUBSTRATE, AND TRANSFER SHEAR 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.
- 5) ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. USE ANCHORS OF SUFFICIENT LENGTH TO ACHIEVE THE EMBEDMENTS SHOWN ON TABLE 1, SHEET 6. PROPER SEALING OF ENTIRE ASSEMBLY IS THE RESPONSIBILITY OF OTHERS AND IS BEYOND THE SCOPE OF THESE INSTRUCTIONS.
- 6) DESIGN PRESSURES:
 - A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E-1300.
 - B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E-1300.
7. 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 16 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. SHUTTERS ARE REQUIRED WHEN USED IN WIND-BORNE DEBRIS REGIONS.
9. ALL DOOR CONFIGURATIONS, UP TO 8 PANELS AND/OR 4 TRACKS, ARE QUALIFIED, SEE SAMPLE CONFIGURATIONS ON SHEET 12. DOOR SIZES MUST BE VERIFIED FOR COMPLIANCE WITH EGRESS REQUIREMENTS PER THE FLORIDA BUILDING CODE.
10. REFERENCES: TEST REPORTS FTL-6367 THRU FTL-6371, ELCO FASTENER NOA'S, ANSI/AF&PA NDS-2005 FOR WOOD CONSTRUCTION AND ADM-2005 ALUMINUM DESIGN MANUAL.

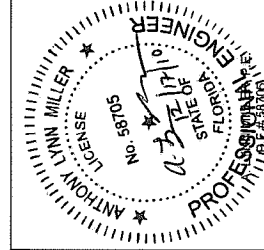
INSTRUCTIONS:

1. KNOWING THE REQUIRED DESIGN PRESSURE OF THE OPENING, THE ANCHOR REQUIREMENTS FOR THE SLIDING GLASS DOORS MAY BE DETERMINED FROM THE DESIGN PRESSURE TABLES. FOR DOORS USING THE HEAVY-DUTY REINFORCEMENT, USE TABLE 2, SHEET 8. FOR DOORS USING THE STANDARD OR COMPOSITE REINFORCEMENT, USE TABLE 3, SHEET 9.
2. LOCATE THE SLIDING GLASS DOOR SIZE ON THE TABLE, USING THE FRAME HEIGHT AND THE NOMINAL PANEL WIDTH. WHEN FINDING YOUR SIZE IN THE TABLE, ALWAYS ROUND UP TO THE NEXT LISTED SIZE.
3. CHOOSE WHICH ANCHOR OPTION (A-D) IS MOST APPLICABLE. ANCHORS ARE DEFINED IN TABLE 1, SHEET 6, ALONG WITH THE APPROPRIATE SUBSTRATE, MINIMUM EMBEDMENT AND MINIMUM EDGE DISTANCE.
4. FROM THE DESIGN PRESSURE TABLES (TABLES 2-3, SHEETS 8 & 9), VERIFY THAT THE REQUIRED DESIGN PRESSURE IS MET OR EXCEEDED. USE THE ANCHOR QUANTITIES SHOWN.
5. INSTALL AS PER THE INSTRUCTIONS ON SHEETS 5 & 6, USING THE ANCHOR SPACING OUTLINED ON SHEETS 2-4.
6. ADDITIONAL INSTALLATION CLIPS MUST BE INSTALLED AS SHOWN ON SHEET 7.

DESIGN PRESSURE RATING	IMPACT RATING
VARIES, SEE SHEETS 8 & 9	NOT RATED FOR IMPACT RESISTANCE



DRAWING MAP	
SHEET	
GENERAL NOTES.....	1
GLAZING DETAILS.....	1
ELEVATIONS.....	2-4
HORIZ. SECTIONS.....	5
VERT. SECTIONS.....	6
ACCESSORIES.....	7
DESIGN PRESSURES.....	8-9
EXTRUSIONS.....	10
PARTS LIST.....	11
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PANEL TYPES.....	13

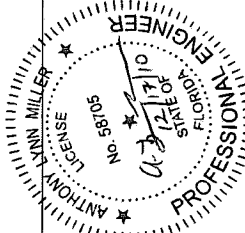
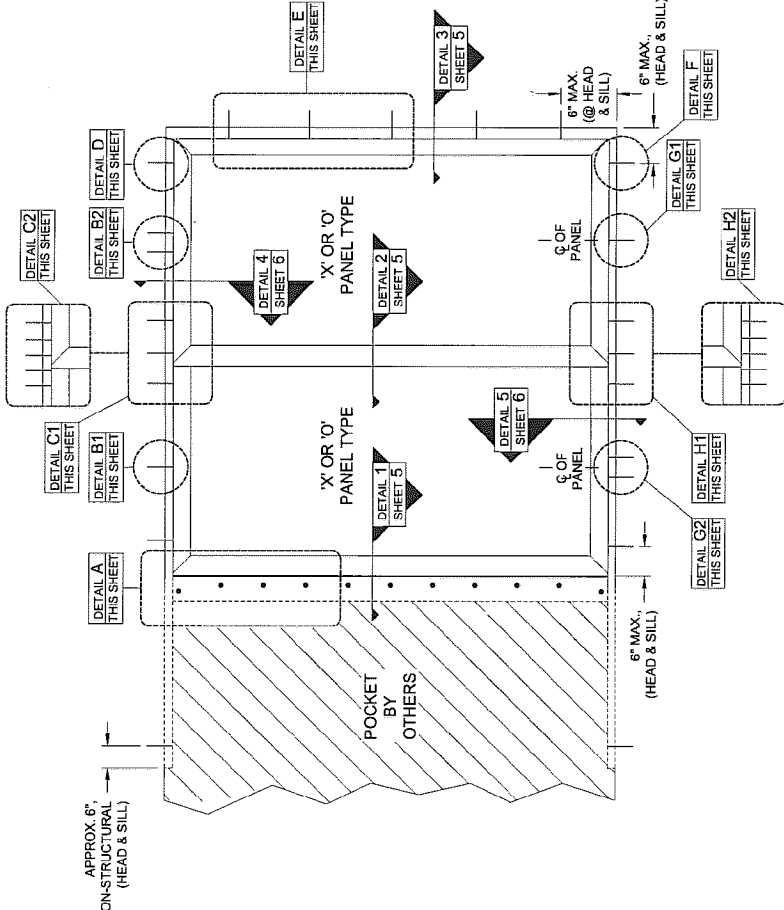
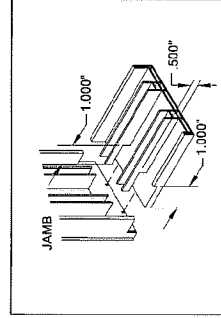
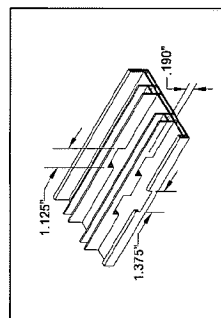
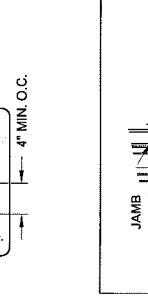
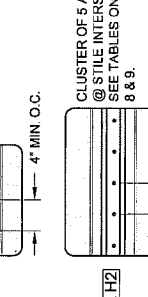
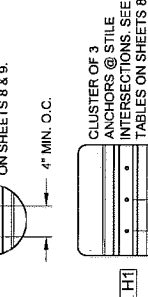
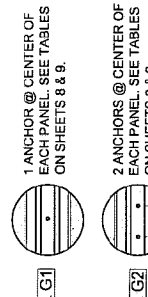
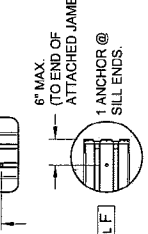
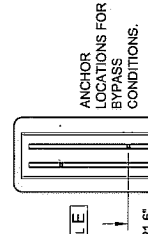
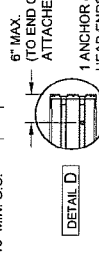
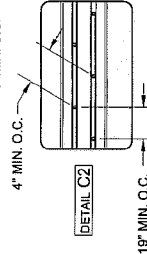
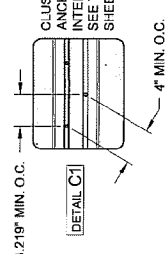
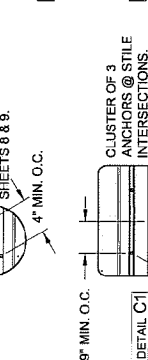
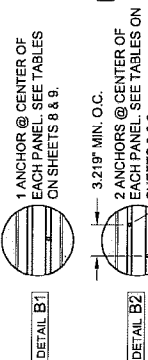
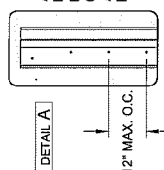


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Revised By:	Date:	Revised By:	Date:
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Description: GENERAL NOTES & GLASS TYPES			
Title: VINYL SGD INSTALLATION GUIDELINES			
Drawn By: J ROSOWSKI		Date: 11/18/10	
Series/Model: 470	Scale: NTS	Sheet: 1 OF 13	Rev: FLA-SGD470-01

2-TRACK CONFIGURATIONS

HORIZ. INTERIOR
DETAILS: INTERIOR
VERTICAL INTERIOR
DETAILS: EXTERIOR



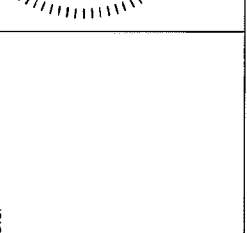
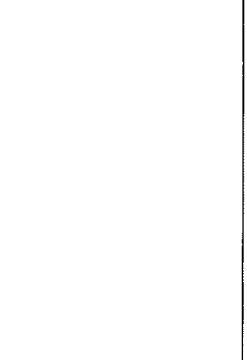
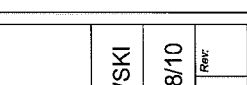
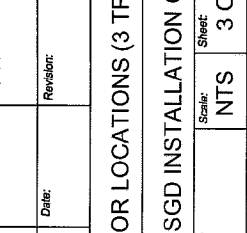
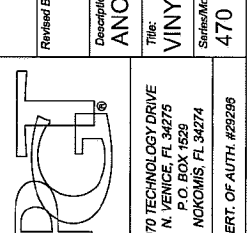
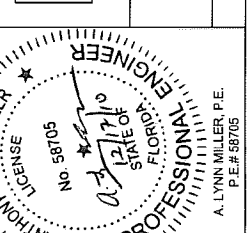
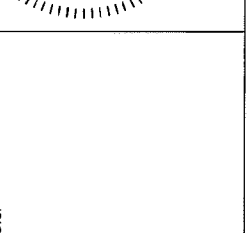
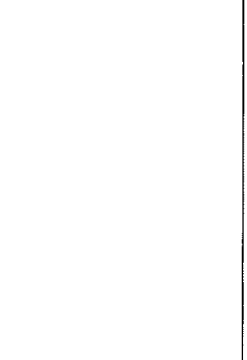
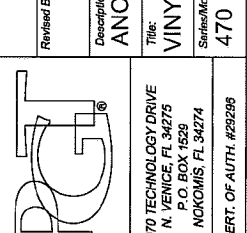
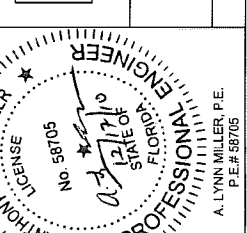
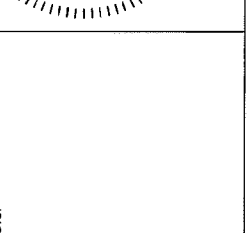
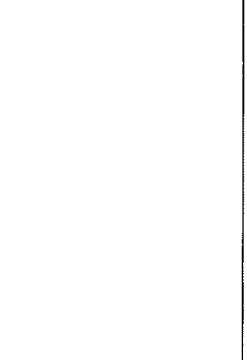
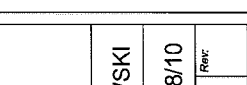
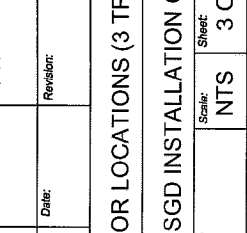
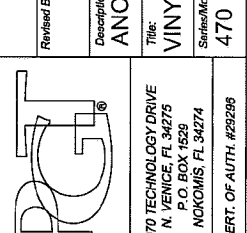
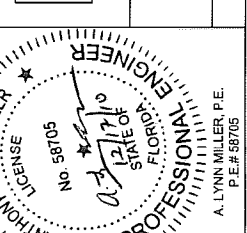
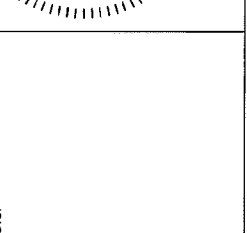
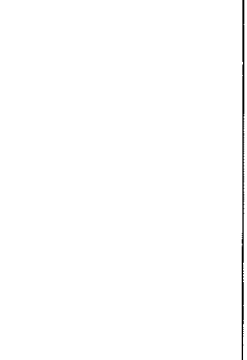
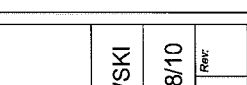
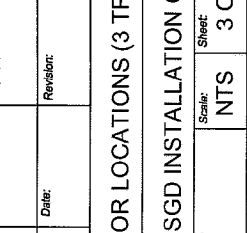
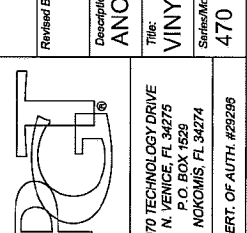
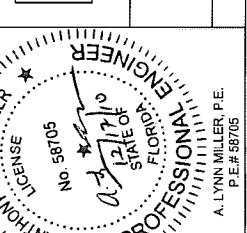
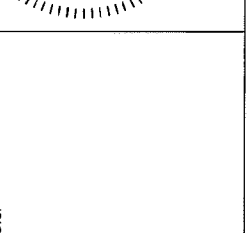
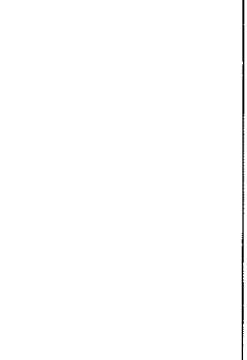
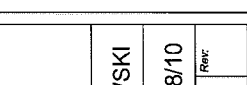
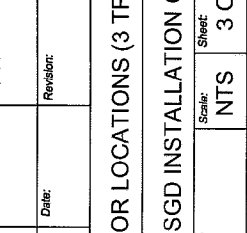
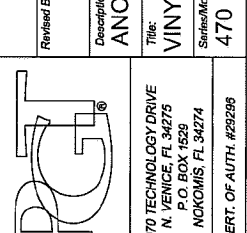
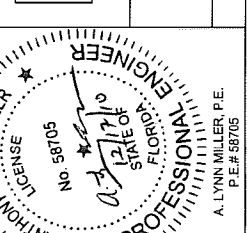
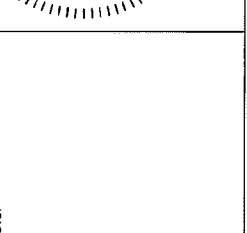
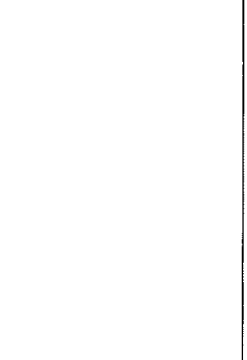
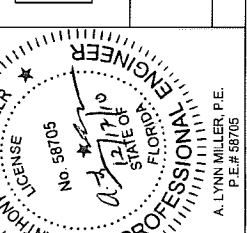
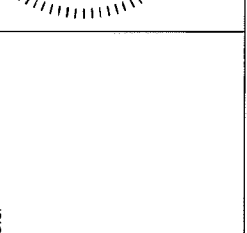
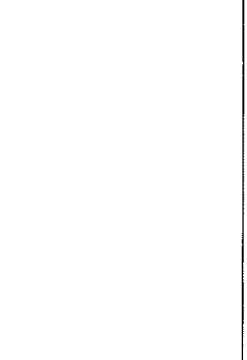
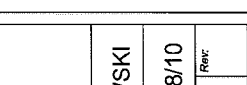
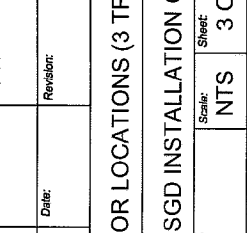
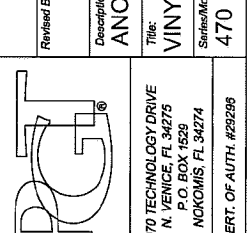
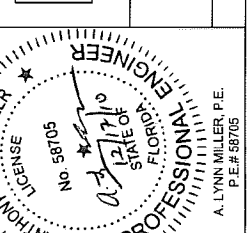
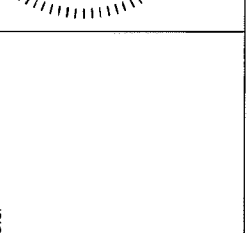
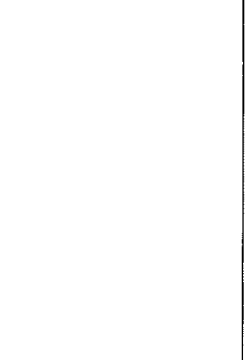
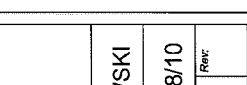
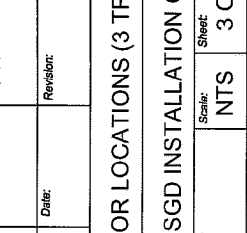
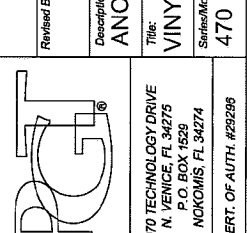
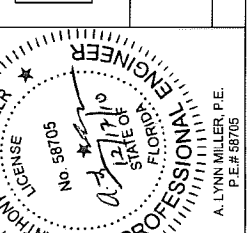
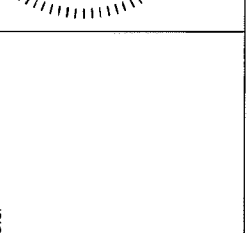
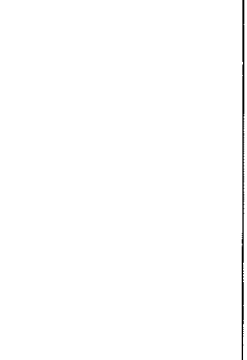
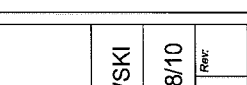
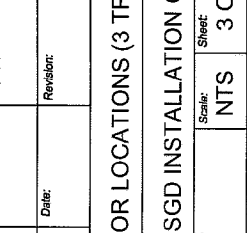
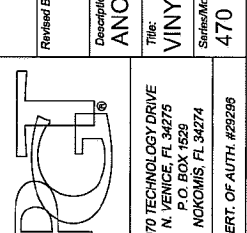
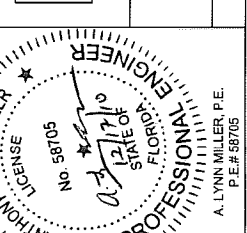
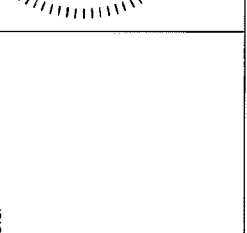
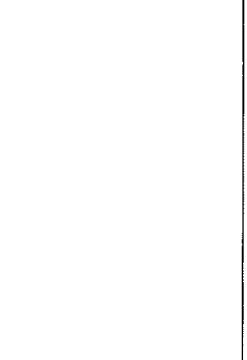
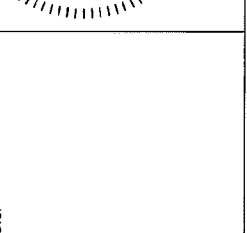
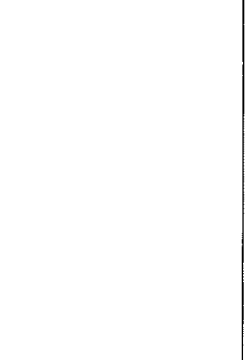
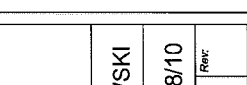
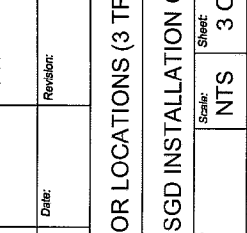
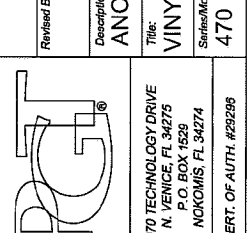
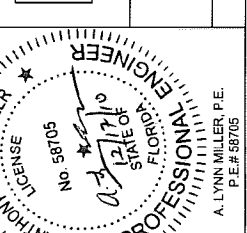
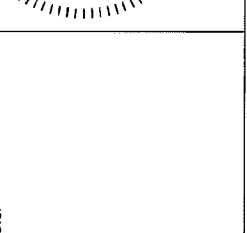
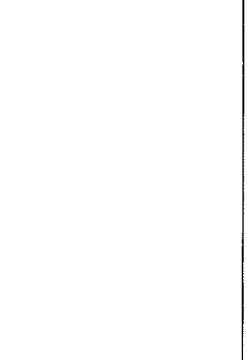
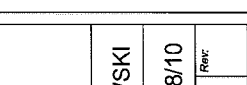
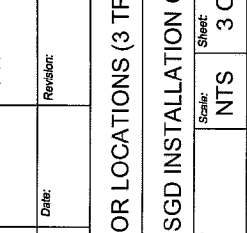
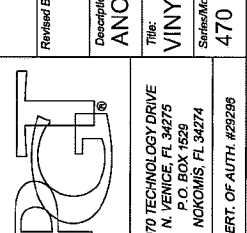
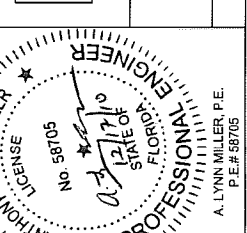
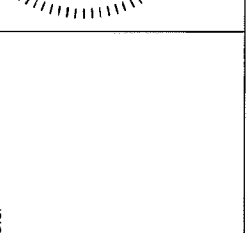
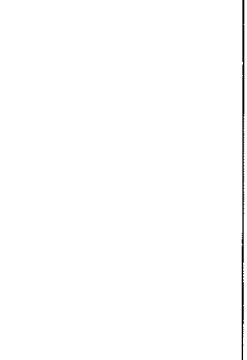
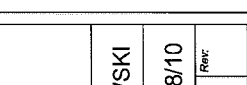
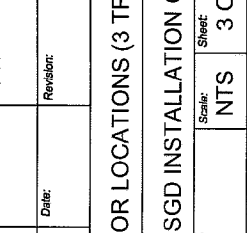
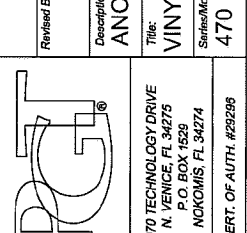
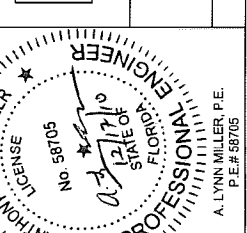
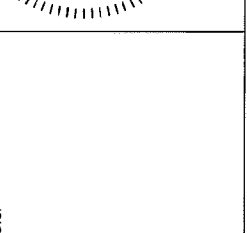
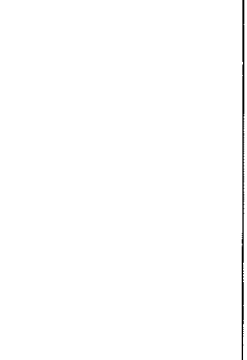
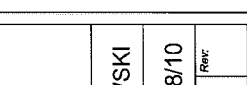
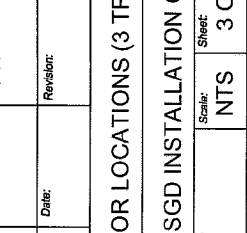
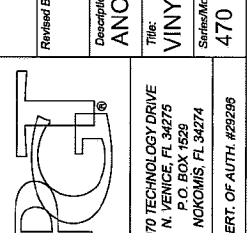
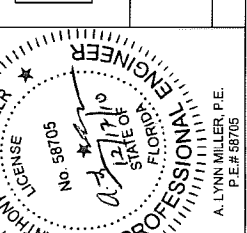
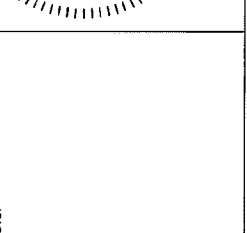
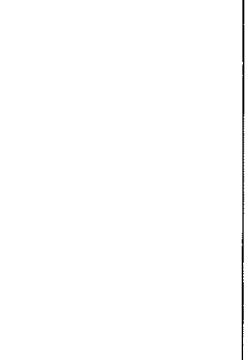
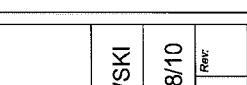
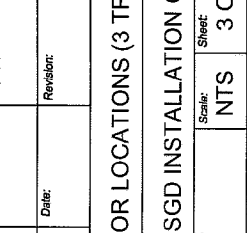
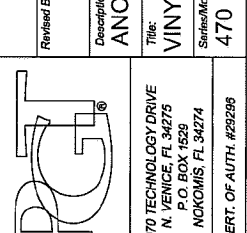
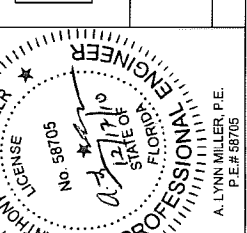
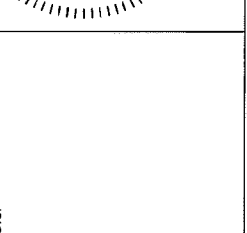
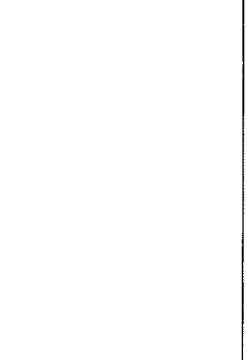
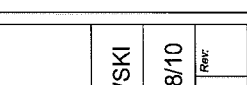
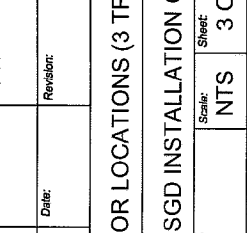
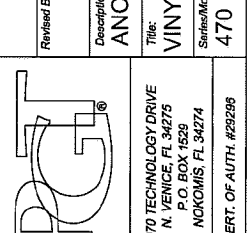
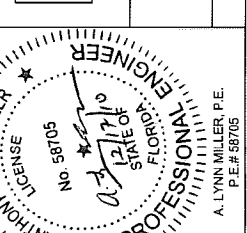
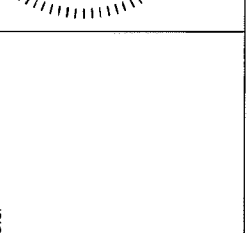
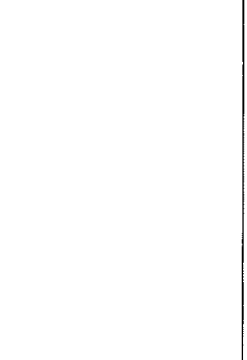
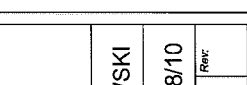
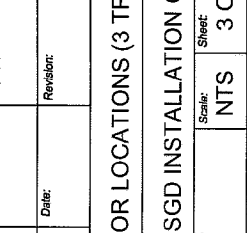
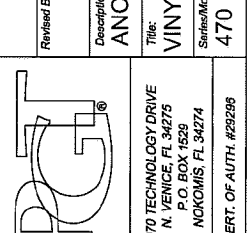
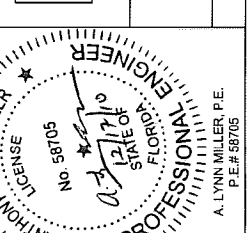
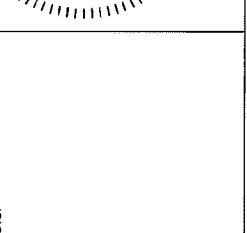
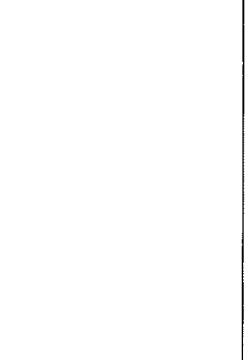
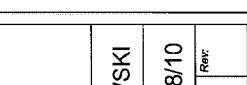
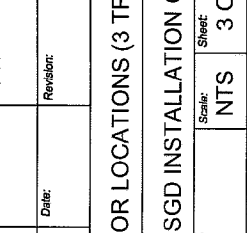
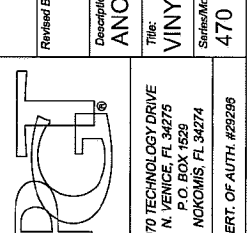
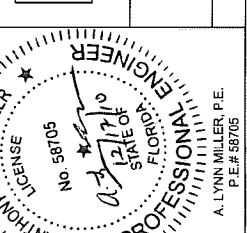
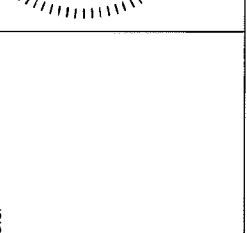
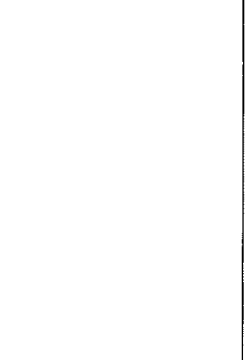
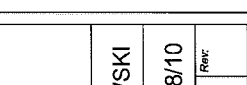
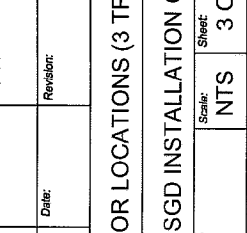
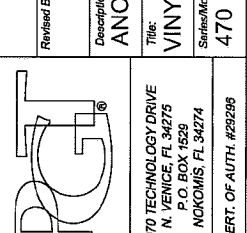
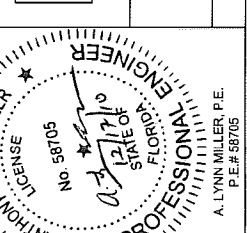
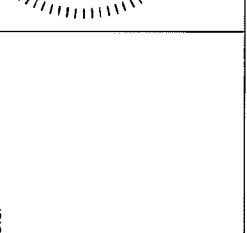
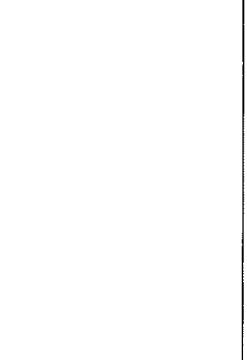
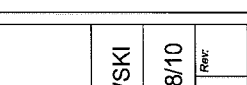
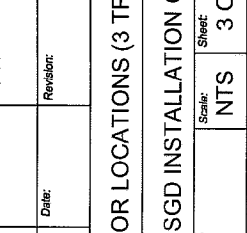
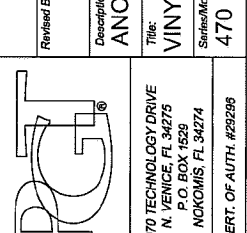
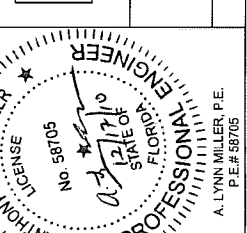
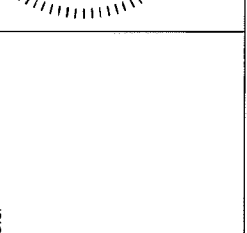
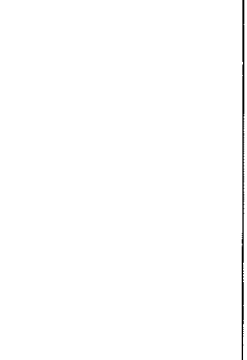
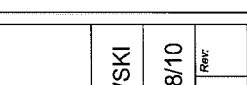
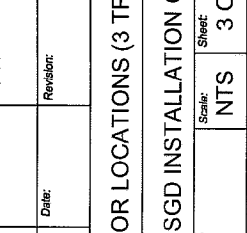
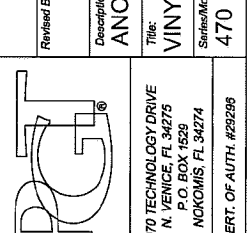
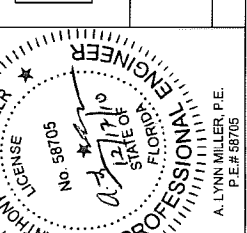
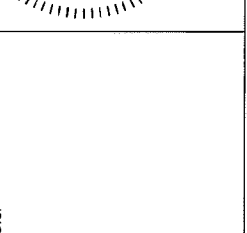
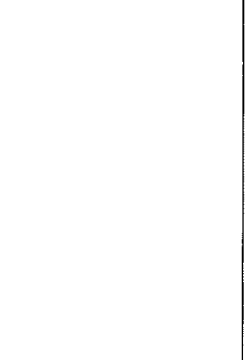
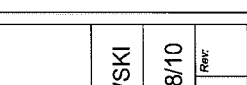
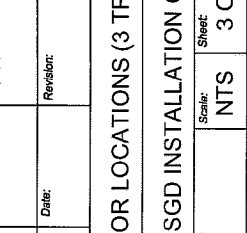
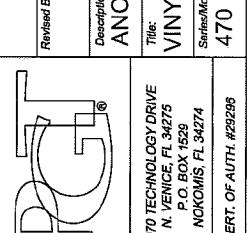
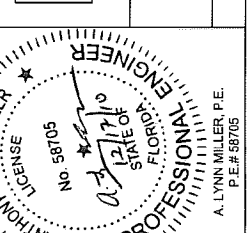
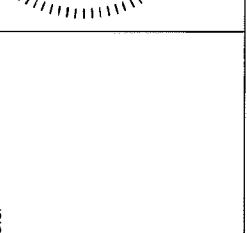
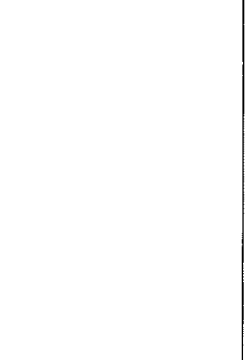
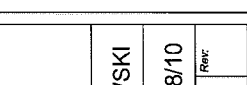
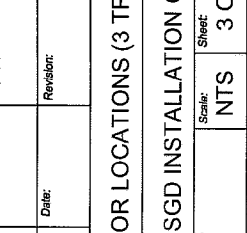
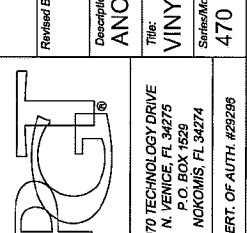
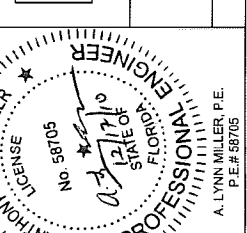
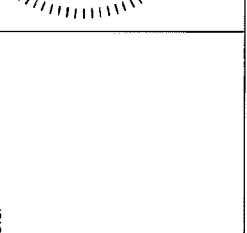
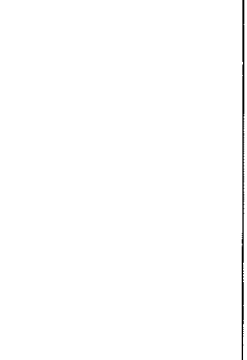
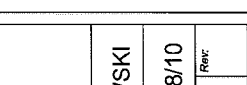
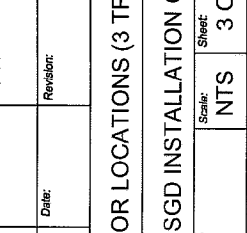
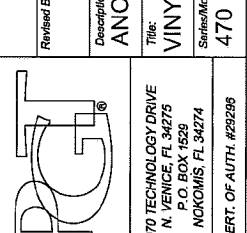
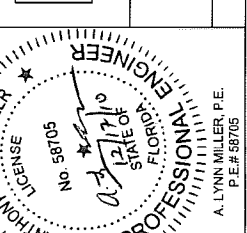
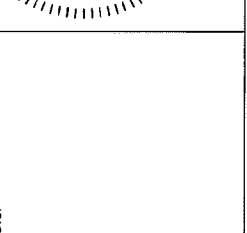
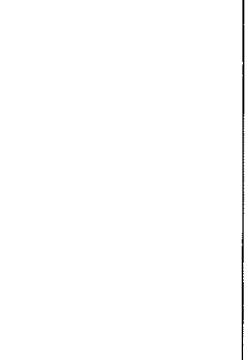
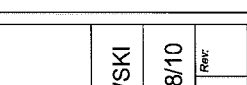
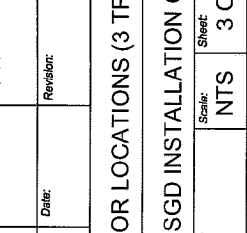
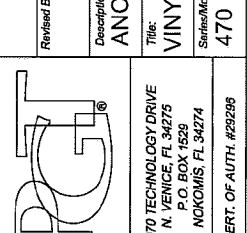
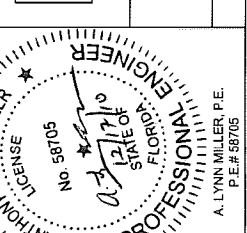
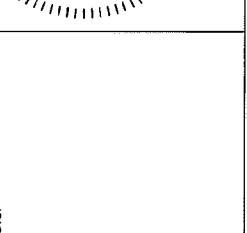
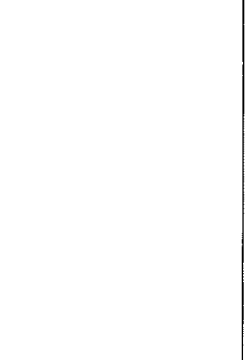
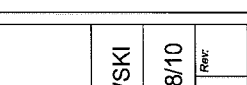
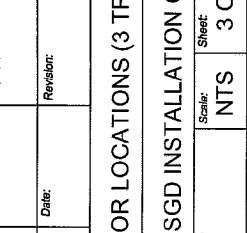
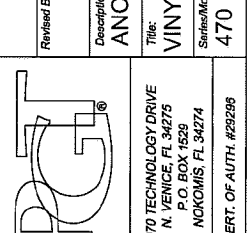
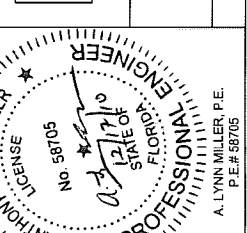
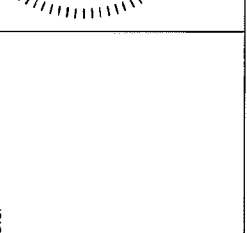
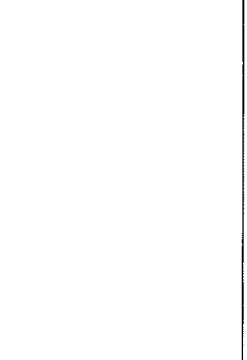
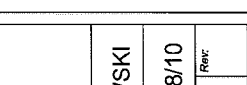
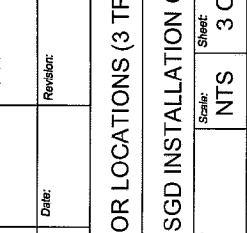
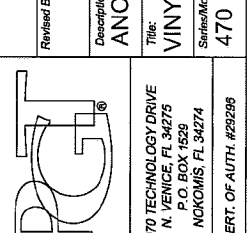
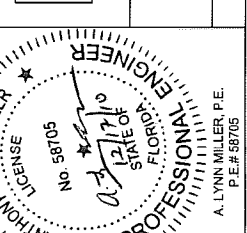
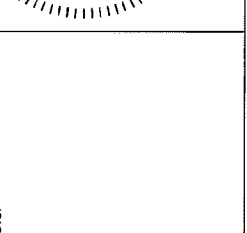
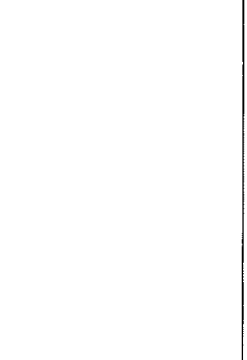
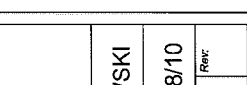
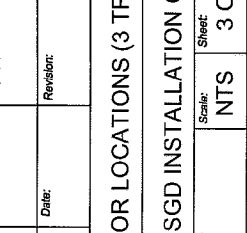
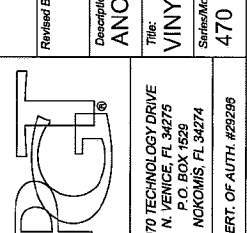
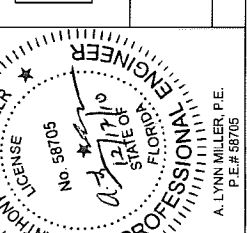
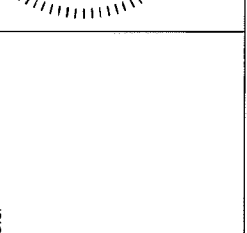
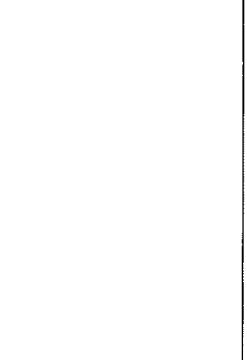
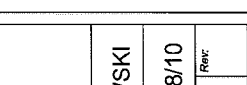
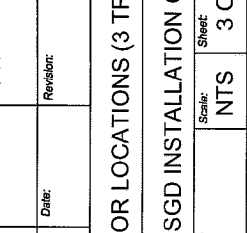
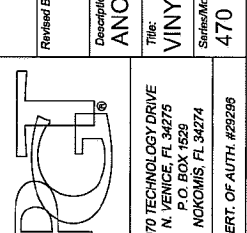
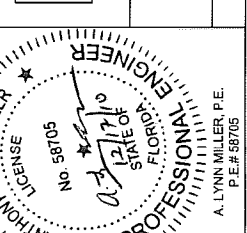
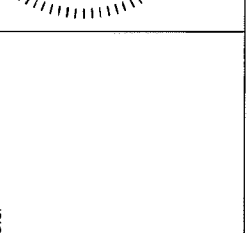
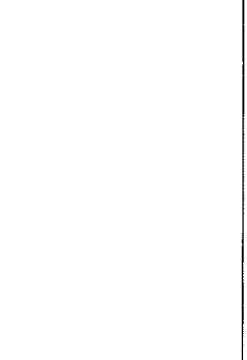
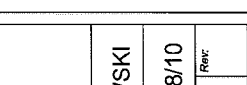
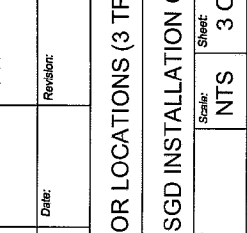
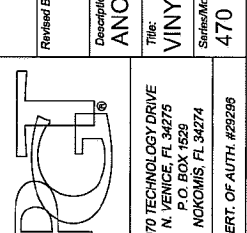
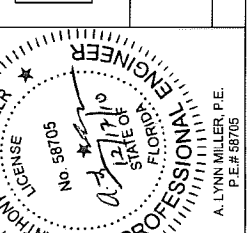
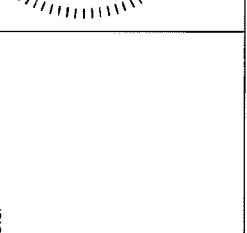
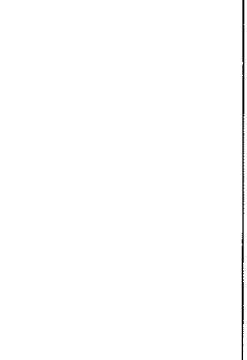
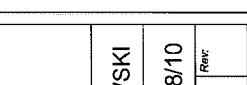
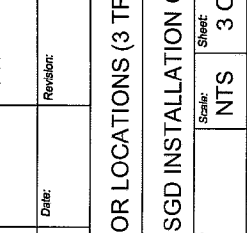
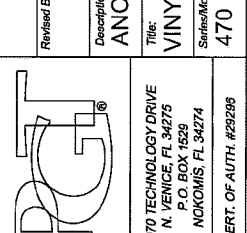
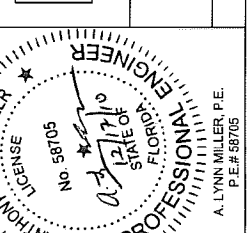
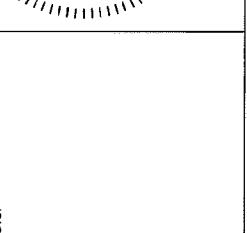
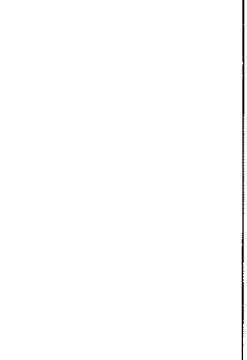
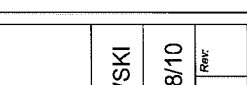
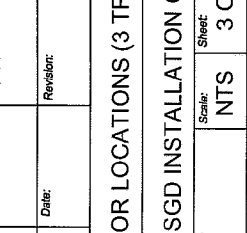
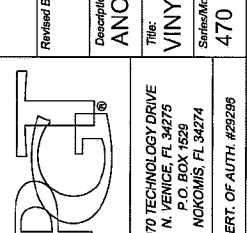
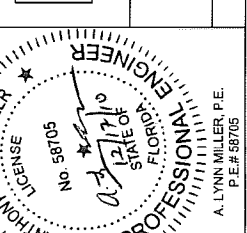
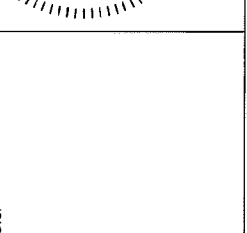
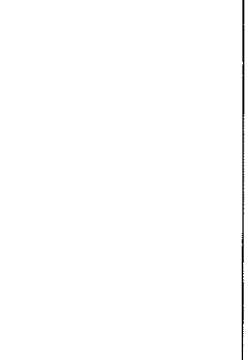
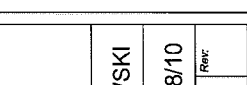
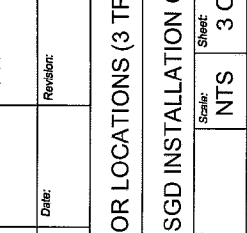
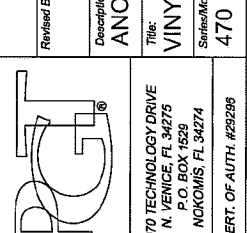
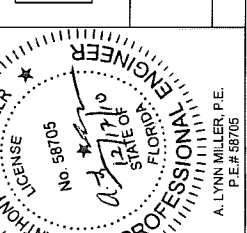
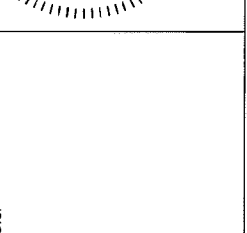
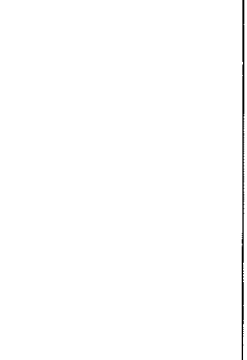
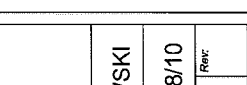
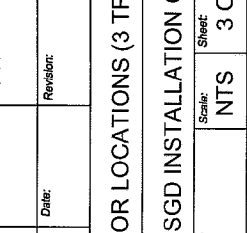
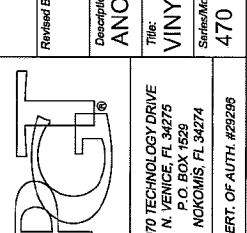
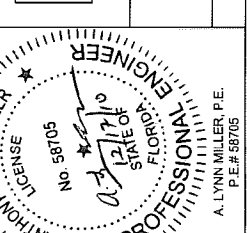
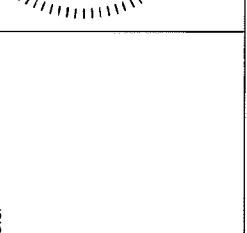
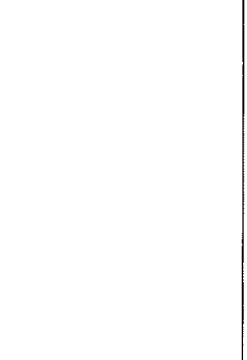
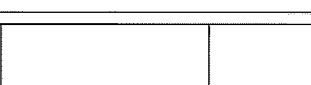
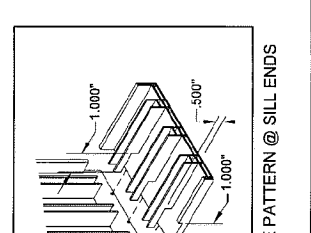
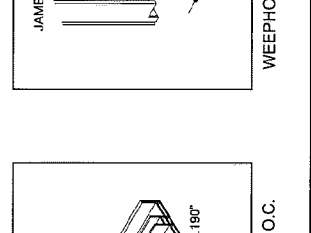
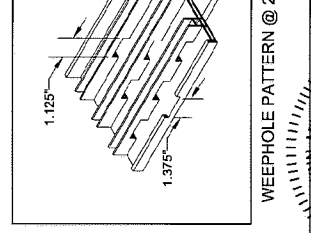
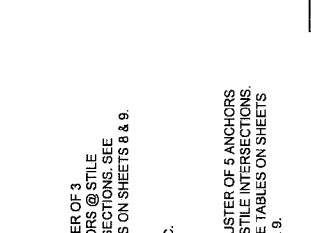
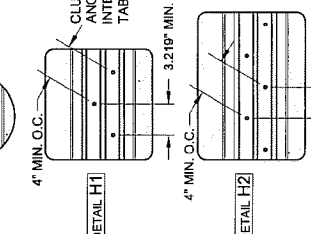
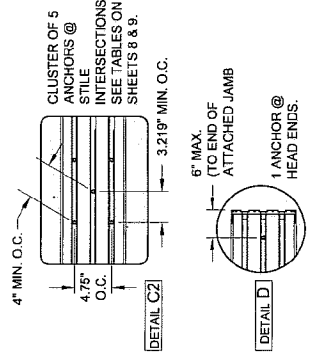
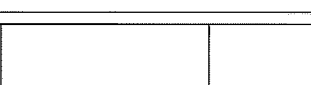
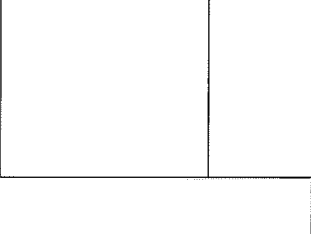
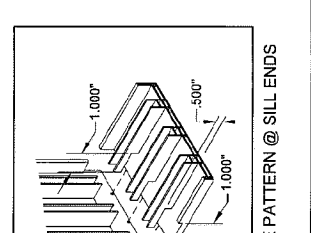
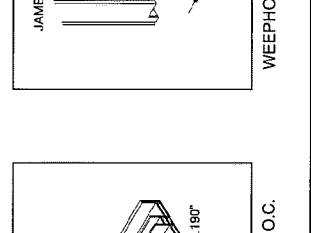
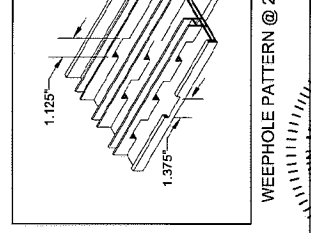
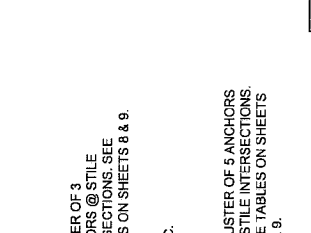
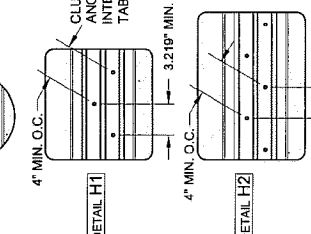
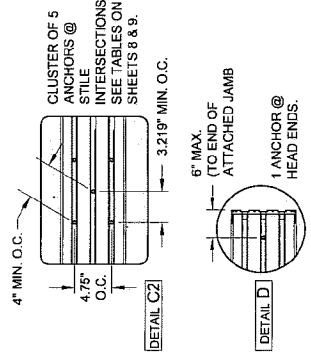
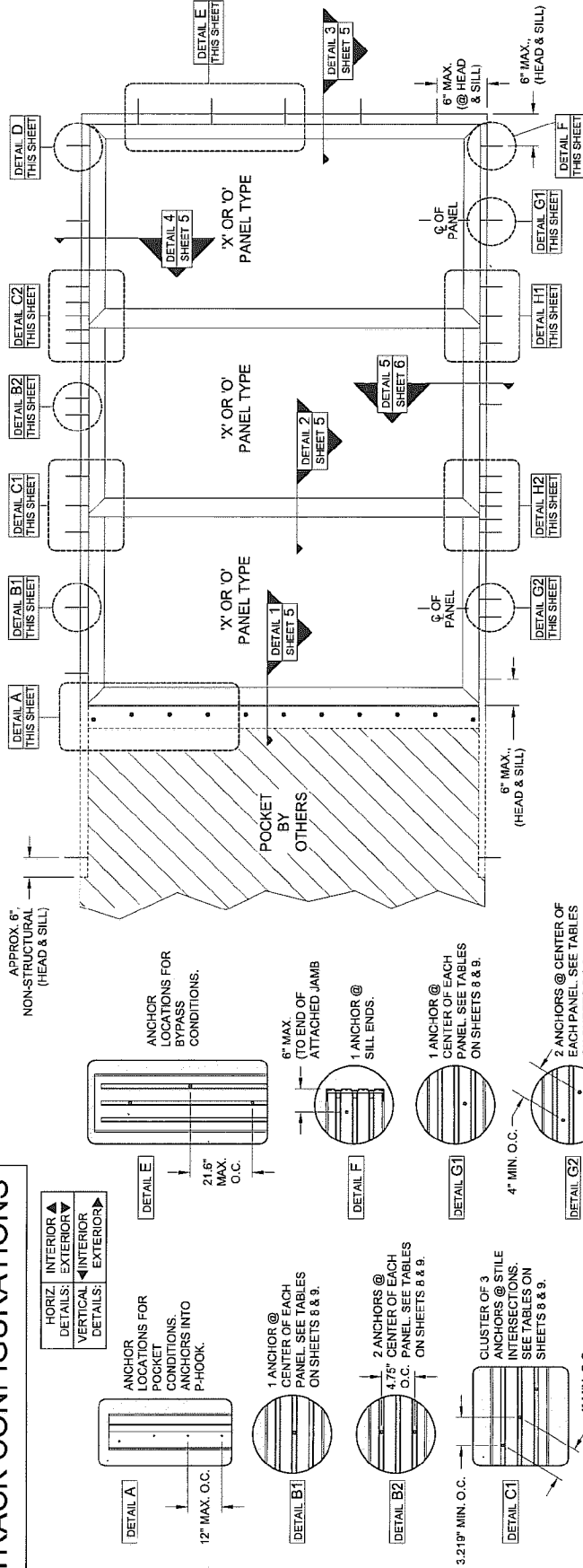
PGI
1070 TECHNOLOGY DRIVE
N. VENICE FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274
CERT. OF AUTH. #29296

Revised By: Date: Revision:
Revised By: Date: Revision:

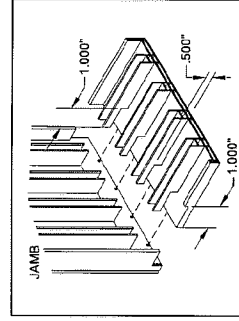
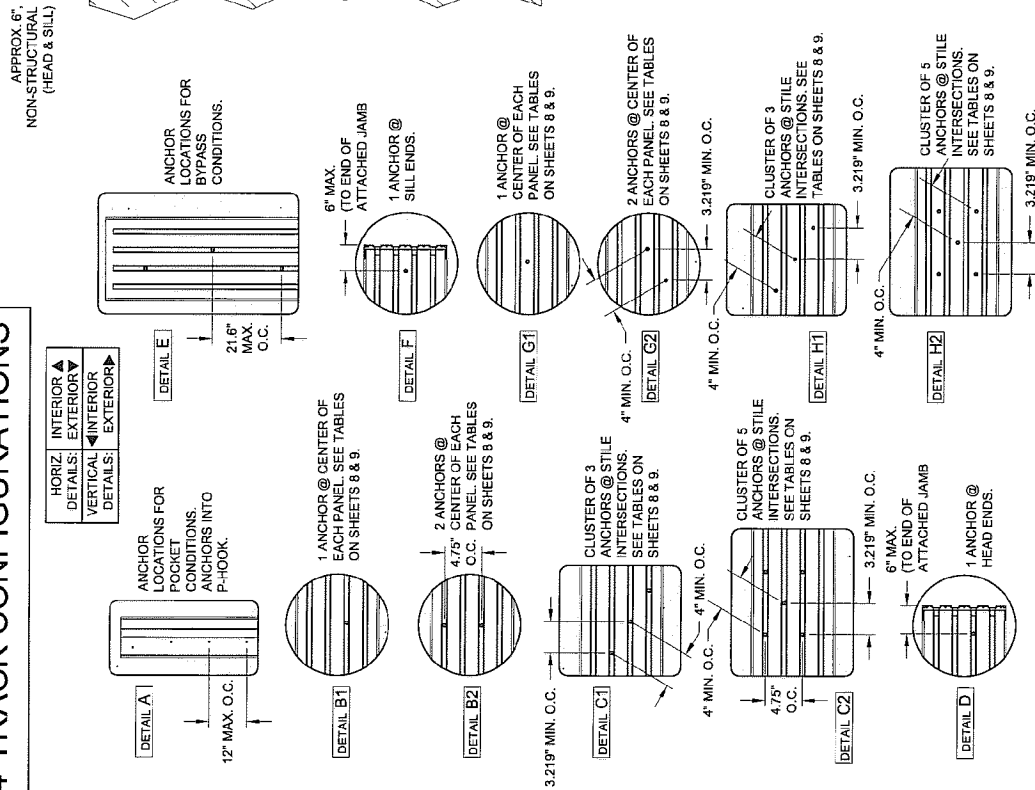
Drawn By: J ROSOWSKI
Date: 11/18/10
Title: VINYL SGD INSTALLATION GUIDELINES
Sheet: 2 OF 13
Drawing No: FLA-SGD470-01

3-TRACK CONFIGURATIONS

HORIZ. DETAILS:	INTERIOR	INTERIOR
VERTICAL DETAILS:	INTERIOR	EXTERIOR



HORIZ. DETAILS:	INTERIOR ▲ EXTERIOR ▼
VERTICAL DETAILS:	▲ INTERIOR EXTERIOR ▲



WEEPHOLE PATTERN @ SILL ENDS



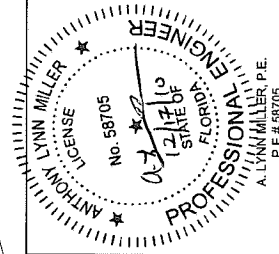
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ANCHOR LOCATIONS (4 TRACKS)

Title: VINYL SGD INSTALLATION GUIDELINES

Date: 11/18/10

Series/Model: 470	Scale: NTS	Sheet: 4 OF 13	Drawing No. FLA-SGD470-01	Rev:
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070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

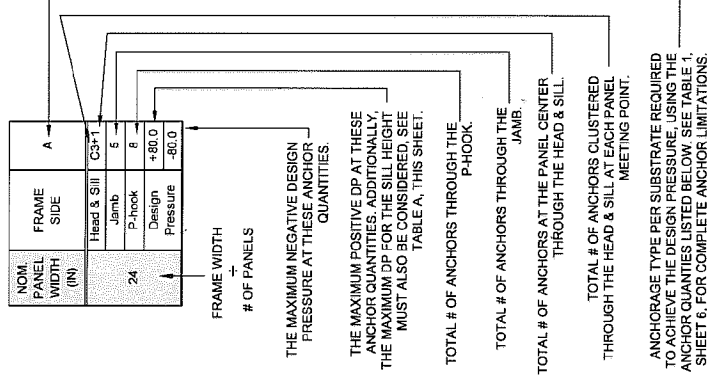
ACCESSORIES INSTALLATION DETAILS		Title: VINYL SGD INSTALLATION GUIDELINES		Date: 11/18/10	J ROSOWSKI
Series/Model: 470	Scale: NTS	Sheet: 7 OF 13	Drawing No. FLA-SGD470-01	Rev:	

**INTERLOCK TO SILL
ATTACHMENT**
INSTALL ONE ASSEMBLY
AT EACH INTERLOCK.

TABLE 2:

Anchor and Substrate Type. See Table 1, Sheet 6		Series 470 Anchor Quantities and Design Pressures using Heavy Duty Reinforcement															
		80				84				96				108			
		FRAME HEIGHT (IN)				FRAME HEIGHT (IN)				FRAME HEIGHT (IN)				FRAME HEIGHT (IN)			
NOM. PANEL WIDTH (IN)	FRAME SIDE	A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0
42	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0
48	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0
54	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0
60	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9	10	10	10	10
	Design Pressure	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+80.0	+60.0	+60.0	+60.0	+60.0

TABLE KEY:



OVERHANG LENGTH

NOTE:
IF THE OVERHANG LENGTH IS GREATER THAN THE WALL HEIGHT, THEN ANY SILL HEIGHT MAY BE USED WITH THE PRESSURES FROM THE TABLE ABOVE.

TABLE A:

Water-Limited (+) Design Pressure		
Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
1-11/16"	1.688"	See Tables 2-3
3-1/2"	3.464"	+80.0 psf
4-1/16"	4.037"	+80.0 psf
4-5/8"	4.614"	+80.0 psf

Reinforcements Required, (See Parts on Sheet 10)

Interlock	Lock/Fixed Sill	Astragal	Astragal Add-on	Top/Bottom Rail	Plate (Part# 24, 25)
Part# 29	Part# 23	Part# 26	Part# 30	Part# 26	Required for Heights over 96"

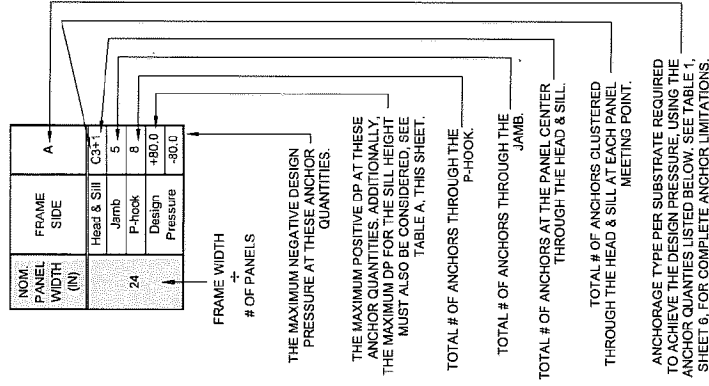
TABLE 3:

Anchor and Substrate Type. See Table 1, Sheet 6		Series 470 Anchor Quantities and Design Pressures using Standard or Composite Reinforcement											
NOM. PANEL WIDTH (IN)	FRAME SIDE	FRAME HEIGHT (IN)											
		80				84				96			
		A	B	C	D	A	B	C	D	A	B	C	D
24	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
30	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
36	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
42	Head & Sill	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	5	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0
48	Head & Sill	C3+2	C3+1	C3+1	C3+1	C3+2	C3+1	C3+1	C3+1	C5+2	C3+1	C3+1	C3+1
	Jamb	5	5	5	5	5	5	5	5	5	5	6	5
	P-hook	8	8	8	8	8	8	8	8	9	9	9	9
	Design Pressure	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0	+60.0

TABLE A:

Water-Limited (+) Design Pressure		
Nominal Sill Height	Actual Sill Height	Max. (+) DP Allowed
1-11/16"	1.688"	See Tables 2-3
3-1/2"	3.464"	+60.0 psf
4-1/16"	4.037"	+80.0 psf
4-5/8"	4.614"	+80.0 psf

TABLE KEY:



OVERHANG LENGTH

NOTE:
IF THE OVERHANG LENGTH IS GREATER THAN THE WALL HEIGHT, THEN ANY SILL HEIGHT MAY BE USED WITH THE PRESSURES FROM THE TABLE ABOVE.

ANCHORAGE TYPE PER SUBSTRATE REQUIRED TO ACHIEVE THE DESIGN PRESSURE. USING THE ANCHOR QUANTITIES LISTED BELOW. SEE TABLE 1, SHEET 6, FOR COMPLETE ANCHOR LIMITATIONS.

TOTAL # OF ANCHORS CLUSTERED THROUGH THE HEAD & SILL MEETING POINT.

TOTAL # OF ANCHORS THROUGH THE JAMB.

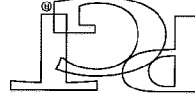
TOTAL # OF ANCHORS THROUGH THE P-HOOK.

THE MAXIMUM POSITIVE DP AT THESE ANCHOR QUANTITIES. ADDITIONALLY, THE MAXIMUM DP FOR THE SILL HEIGHT MUST ALSO BE CONSIDERED. SEE TABLE A, THIS SHEET.

THE MAXIMUM NEGATIVE DESIGN PRESSURE AT THESE ANCHOR QUANTITIES.

FRAME WIDTH + # OF PANELS

NOM. PANEL WIDTH (IN)	FRAME SIDE	Head & Sill	Jamb	P-hook	Design Pressure	Anchor Quantities
24						



1070 TECHNOLOGY DRIVE
N. VENICE, FL 34275
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NOKOMI, FL 34274

CERT. OF AUTH. #23296

470

Series/Model:

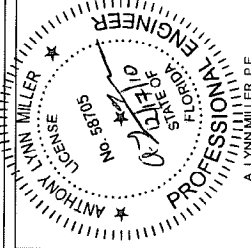
VINYL SGD INSTALLATION GUIDELINES

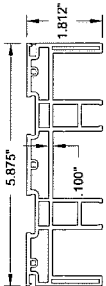
9 OF 13
FLA-SGD470-01

11/18/10

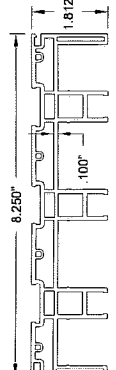
J ROSOWSKI

PROFESSIONAL ENGINEER

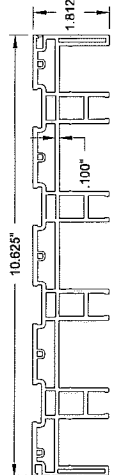




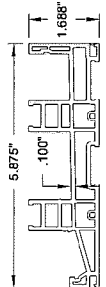
1 TRACK HEAD/JAMB
RIGID PVC



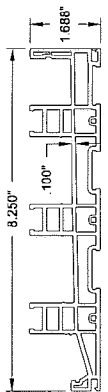
3 TRACK HEAD/JAMB
RIGID PVC



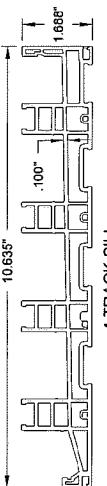
4 TRACK HEAD/JAMB
RIGID PVC



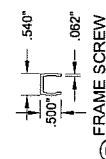
2 TRACK SILL
RIGID PVC



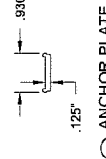
3 TRACK SILL
RIGID PVC



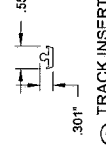
4 TRACK SILL
RIGID PVC



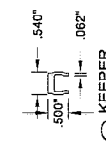
7 FRAME SCREW
COVER
RIGID PVC



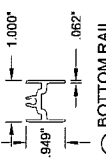
8 ANCHOR PLATE
6063-T6 ALUM.



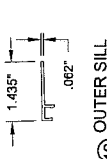
9 TRACK INSERT
6063-T6 ALUM.



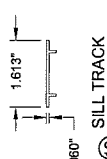
10 KEEPER
6063-T6 ALUM.



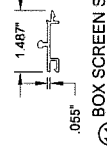
11 BOTTOM RAIL
SUPPORT
6063-T6 ALUM.



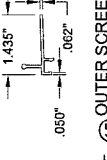
12 OUTER SILL
COVER
RIGID PVC



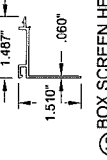
13 SILL TRACK
COVER
RIGID PVC



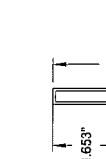
14 BOX SCREEN SILL
ADD-ON
6063-T6 ALUM.



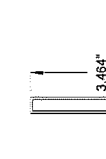
15 OUTER SCREEN
TRACK
6063-T6 ALUM.



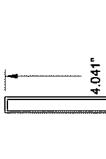
16 BOX SCREEN HEAD
AND JAMB ADD-ON
RIGID PVC



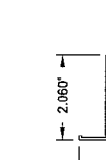
17 SILL RISER
6063-T6 ALUM.



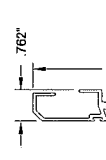
18 SILL RISER
6063-T6 ALUM.



19 SILL RISER
6063-T6 ALUM.



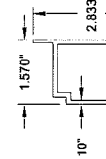
20 P-HOOK ADAPTOR
6063-T6 ALUM.



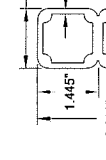
21 P-HOOK
6063-T6 ALUM.



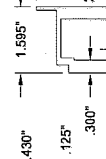
24 REINFORCEMENT
COVER
RIGID PVC



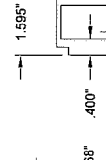
25 REINFORCEMENT
PLATE
6005-T5 ALUM.



26 TOP, BOTTOM
AND STILE
REINFORCEMENT
6005-T5 ALUM.



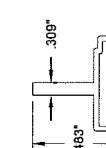
27 TOP, BOTTOM
AND STILE
REINFORCEMENT
COMPOSITE



28 INTERLOCK 300
REINFORCEMENT
6005-T5 ALUM.



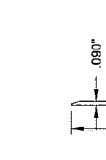
29 INTERLOCK 400
REINFORCEMENT
6005-T5 ALUM.



30 ASTRAGAL ADD-ON
REINFORCEMENT
6005-T5 ALUM.



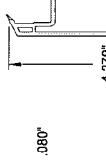
31 REINFORCEMENT
PLATE
6063-T6 ALUM.



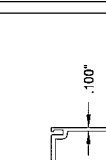
32 TOP, BOTTOM
AND STILE
REINFORCEMENT
6005-T5 ALUM.



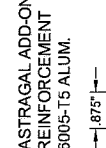
33 INTERLOCK
ADAPTER
RIGID PVC



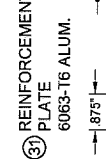
34 ASTRAGAL ADD-ON
RIGID PVC



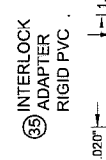
35 PANEL STILE, TOP
AND BOTTOM RAIL
RIGID PVC



36 BOX SCREEN
TOP RAIL
6063-T6 ALUM.



37 BOX SCREEN
BOTTOM RAIL
6063-T6 ALUM.



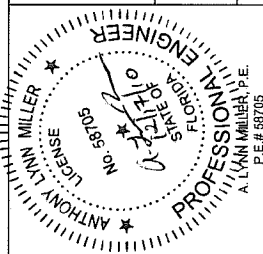
38 BOX SCREEN
SIDE RAIL
6063-T6 ALUM.



39 BOX SCREEN
ASTRAGAL
ADAPTER
6063-T6 ALUM.

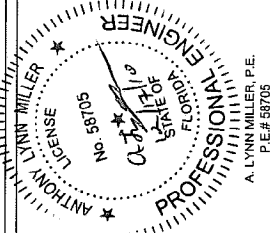


40 BOX SCREEN
OXO ADAPTER
6063-T6 ALUM.

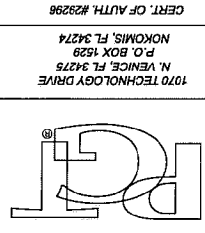


1070 TECHNOLOGY DRIVE
N. VENICE FL 34275
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NOKOMIS, FL 34274
CERT. OF AUTH. #22236
P.E.# 98705

Revised By: Date: Revision:
Revised By: Date: Revision:
Description: PART DETAILS
Title: VINYL SGD INSTALLATION GUIDELINES
Drawn By: J ROSOWSKI
Date: 11/18/10
Sheet: 10 OF 13
Scale: NTS
Drawing No: FLA-SGD470-01
Rev:



Revised By:	Date:	Revision:	Drawn By:	Date:
Revised By:	Date:	Revision:	J ROSOWSKI	11/18/10
BILL OF MATERIALS				
Title: VINYL SGD INSTALLATION GUIDELINES				
Series/Model: 470				
Scale: NTS				
Sheet: 11 OF 13				
Drawing No. FLA-SGD470-01				



Part #	PGT. #	Description
90	612256	Box Screen
91	612257	Screen Top Rail
92	612258	Screen Bottom Rail
93	612259	Screen Side Rail - Lockstyle
94	64344	Screen Astragal
95	617349	OXO Screen Astragal Adapter
96	64428	Screen Double Interlock
97	617347A	Screen Bug Flap
98	41818K	Screen Keeper Spacer Set
99	720X1X	1/4-20 x 1" S.S.
100	720X112X	1/4-20 x 1.5" S.S.
101	71793G	Wstlp. 270 x 150 - Fin Seal
102	75RAZ	Standard Roller
103	75RAX	Standard Roller - S.S.
104	7LOCKWGS	Screen Lockset
105	41818K	Screen Lock Keeper
106	7SDKEEP	Screen Lock Keeper
107		Standard Screen
110	612033	Screen Frame - Top/Bottom Rail
111	612026A	Screen Frame - Side Rail (Latch)
112	612033	Screen Frame - Side Rail
113	617363	OXO Screen Astragal Adapter
114	64853K	Vinyl Astragal
115	617356	Screen Sill Adapter
116	6P95K	Bug Flap
117	7K42DK	Rivet
118	74X1PA	#4 x 1 Ph. Pn. SMS
119	78X112PSATS	#8 x 1.500 Ph. Pn. SMS A Z
120	41703N	Screw Boss Bushing
121	712027	Cornet Key Wheel Assy. (Standard)
122	712027SS	Cornet Key Wheel Assy. (S.S. w/bearing)
123	41805K	Screen Handle
124	41806	Screen Handle Slide
125	70476B	Screen Latch Assy.
126	75NKP	Screen Keeper
127	61693K	Serrated Screen Spline - .145
128	61692K	Screen Spline - .165
129	61694K	Screen Spline - .150
130	61816C20	Screen Cloth

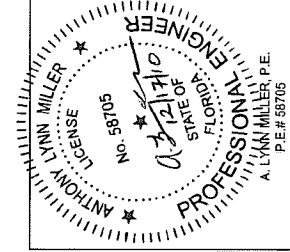
Part #	PGT. #	Description
50	419042	Frame Header Block
51	48052	Roller Adj. Hole Plug
52	41735	SGD Panel Come-along
53	41736	SGD Panel Come-along Cover
54		
55	71696	Dust Plug
56	44385	4 Hole Bumper Stop
58	619037M	Fixed Panel Clip
59	71696G	Sill Plug
60		
61	78X38PPTX	#8 x 3/8" Ph. Pn. TEK Screw
62	78X34PPSDAX	#8 x 3/4" Fl. Ph. TEK - S.S.
63	781PSTX	#8 x 1" Quad - S.S.
64	781PQX	#8 x 1" Pn Quad - S.S.
65	78X114PHPT1410X	#8 x 1 1/4" Ph. Pn. TEK
66	710X1PPSDAX	#10 x 1" Ph. Pn. TEK - S.S.
67	710X15PPX	#10 x 1 1/2" Ph. Pn Keeper Screws
68	710X2PPX	#10 x 2" Ph. Fl S.S. Screw
69	710X212PPDAX	#10 x 2 1/2" Ph. Pn. Tek S.S.
70	712X112PP	#12 x 1 1/2" Ph. Pn. A
71		
72		
73	71726K	Setting Block 1" x 4" x 1/16" (IG)
74		
75		Super Spacer - 11/16"
76		
77		
78	619010	1 1/16" Beveled Bead
79	619015	1 1/16" Ogee Bead
80		
81		
82	62139	Ogee Vinyl Muntin
83	63609	Insulated Glass Muntin - Horizontal
84	4CONN	I.G. Intersection
85	7558K	I.G. Gridlock Clip - 7/16"
86	7550K	I.G. Gridlock Clip - 5/16"

Part #	PGT. #	Description
1	619001	2-Track Head/Jamb
2	619002	2-Track Sill
3	619025	3-Track Head/Jamb
4	619026	3-Track Sill
5	619027	4-Track Head/Jamb
6	619028	4-Track Sill
7	619009	Frame Screw Cover
8	619031	Anchor Plate
9	619007	Track Insert
10	619023M	Aluminum Keeper
11	619036	Bottom Rail Support
12	619006	Outer Sill Cover
13	619011	Sill Track Cover
14	619039	Box Screen Sill Add-on
15	619012	Outer Screen Track (Standard Screen)
16	619038	Box Screen Head and Jamb Add-on
17	619022A	Sill Riser
18	619023A	Sill Riser
19	619024A	Sill Riser
20	619032	P-Hook Adapter
21	619020	P-Hook
24	619014	Reinforcement Cover
25	619030	Reinforcement Plate
26	619017M	Top, Bottom and Sill Reinf. (Alum)
27	19046	Top, Bottom and Sill Reinf. (Comp.)
28	619018M	Interlock .300 Reinforcement
29	619013M	Interlock .400 Reinforcement
30	619019M	Astragal Reinforcement
31	619035	Reinforcement Plate
35	619005	Interlock Adapter
36	619008	Astragal Add-on
37	619004	Panel Sillie, Top/Bottom Rail
40	718609	.187 x 280 Finseal (Stille)
41	71695K	1 1/2" x 1" x 3/4" Fin Seal Dust Plug
42	419041	Interlock Clip Cover
43	78153X	Tandem S.S. Roller Assy.
44	78153N	Tandem Nylon Roller Assy.

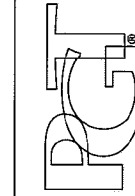
TYPE	STANDARD	REVERSE
2P2T		XX
2P2T		OX
3P2T		OXO
3P2T		NOT AVAILABLE
3P3T		OXX
3P3T		XXX
4P2T		NOT AVAILABLE
4P2T		NOT AVAILABLE
4P4T		XXXX
4P4T		OXXX
5P3T		OXXXX
5P3T		XXXXX

TYPE	LEFT HAND POCKETS	LEFT HAND POCKETS
1P2T		X
2P2T		XX
3P3T		XXX
4P4T		XXXX
2P2T		XX
4P2T		XXXX
6P3T		XXXXXX
8P4T		XXXXXXXXXX

TYPE	
6P3T	OXXXXX
6P3T	XXXXXX
8P4T	OXXXXXXXO
8P4T	XXXXXXXXX



INTERIOR
 EXTERIOR



1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
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CERT. OF AUTH. #22296
P.E.# 58705

Revised By: _____ Date: _____
 Revised By: _____ Date: _____

Revision: _____
 Revision: _____

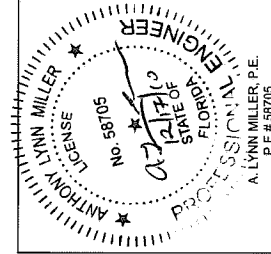
Description: **SAMPLE CONFIGS AND PANEL NAMES**
 Title: **VINYL SGD INSTALLATION GUIDELINES**
 Series/Model: **470**
 Scale: **NTS**
 Sheet: **12 OF 13**
 Drawing No: **FLA-SGD470-01**
 Rev: _____
 Drawn By: **J ROSOWSKI**
 Date: **11/18/10**

P	SINGLE INTERLOCK		FIXED LOCKSTILE
R	FIXED LOCKSTILE		SINGLE INTERLOCK
T (BOX OUT)	ASTRAGAL OUT		FIXED LOCKSTILE
T (BOX IN)	ASTRAGAL IN		FIXED LOCKSTILE
S (BOX OUT)	FIXED LOCKSTILE		ASTRAGAL OUT
S (BOX IN)	FIXED LOCKSTILE		ASTRAGAL IN
L (BOX OUT)	SINGLE INTERLOCK		ASTRAGAL OUT
LR (BOX OUT)	ASTRAGAL OUT		SINGLE INTERLOCK
N (BOX IN)	ASTRAGAL IN		SINGLE INTERLOCK
C (BOX IN)	SINGLE INTERLOCK		ASTRAGAL IN
B	SINGLE INTERLOCK		SINGLE INTERLOCK
M	LOCKSTILE		SINGLE INTERLOCK

F	SINGLE INTERLOCK		SINGLE INTERLOCK
H	SINGLE INTERLOCK		SINGLE INTERLOCK
K	SINGLE INTERLOCK		LOCKSTILE
U (BOX OUT)	ASTRAGAL OUT		LOCKSTILE
U (BOX IN)	ASTRAGAL IN		LOCKSTILE
A	SINGLE INTERLOCK		LOCKSTILE
D	LOCKSTILE		SINGLE INTERLOCK
J (BOX OUT)	LOCKSTILE		ASTRAGAL OUT
J (BOX IN)	LOCKSTILE		ASTRAGAL IN

C	DOUBLE INTERLOCK		ASTRAGAL
M	LOCKSTILE		DOUBLE INTERLOCK
J	LOCKSTILE		ASTRAGAL
SD	SINGLE INTERLOCK		DOUBLE INTERLOCK
A	DOUBLE INTERLOCK		LOCKSTILE
U	ASTRAGAL		LOCKSTILE
DS	DOUBLE INTERLOCK		SINGLE INTERLOCK

INTERIOR
 EXTERIOR



1070 TECHNOLOGY DRIVE
 N. VENICE, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274
 CERT. OF AUTH. #23256

Revised By: _____ Date: _____ Revision: _____
 Revised By: _____ Date: _____ Revision: _____
 Description: PANEL TYPES
 Title: VINYL SGD INSTALLATION GUIDELINES
 Series/Model: 470
 Drawn By: J ROSOWSKI
 Date: 11/18/10
 Sheet: 13 OF 13
 Scale: NTS
 Drawing No: FLA-SGD470-01
 Rev: _____