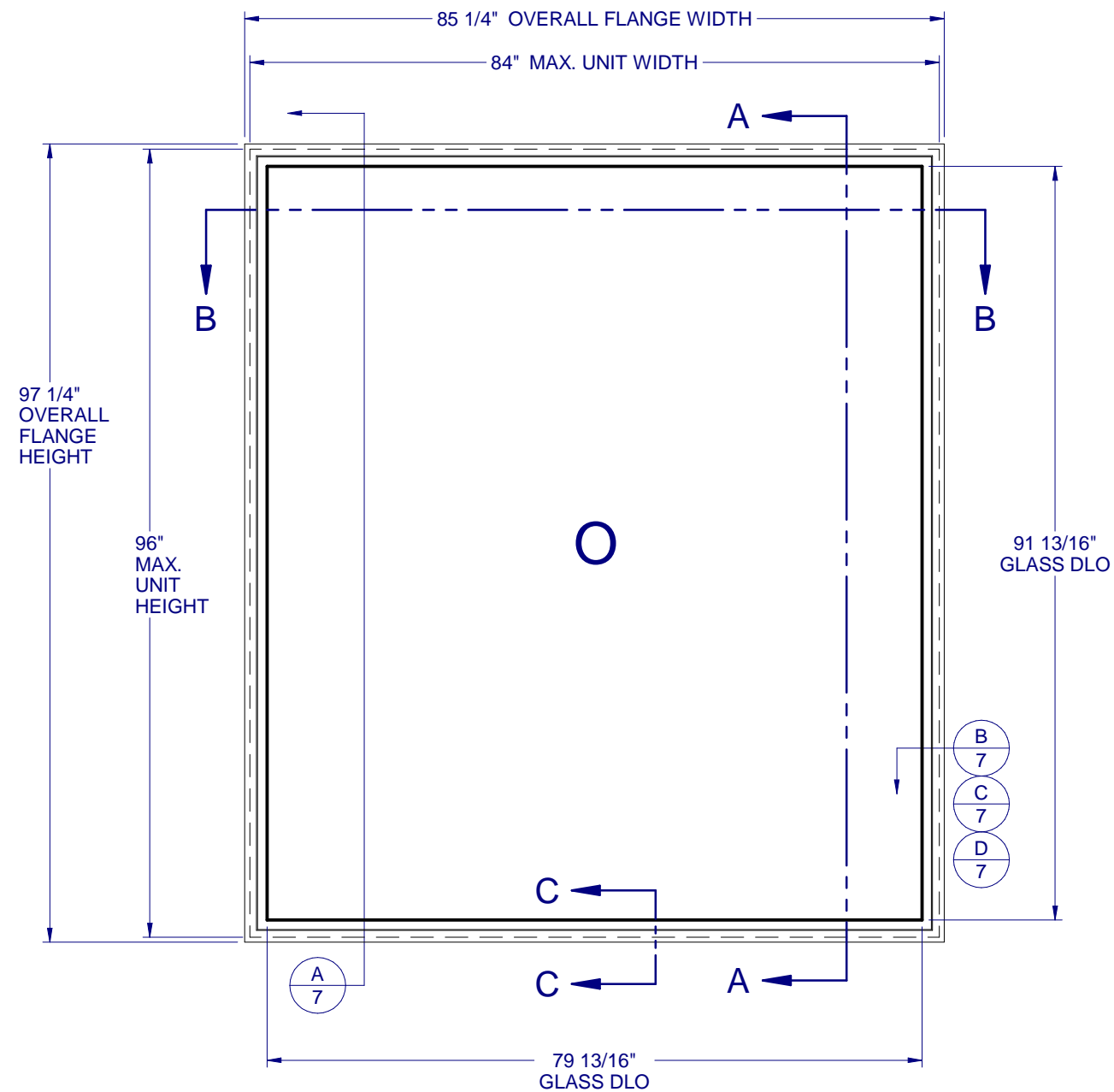


MODEL 8150 SYSTEM 1
PICTURE WINDOW - NON-IMPACT



SYSTEM 1 (CAR 138-1070)

TABLE OF CONTENTS

GENERAL NOTES & ELEVATIONS.....1
ARCHITECTURAL SHAPES.....2
GLAZING DETAILS.....3
SECTION VIEWS & ALT. FRAME.....4
DP CHART, BOM & EXTRUSIONS.....5
ANCHOR SCHEDULE & NOTES.....6
INSTALLATION DETAILS.....7

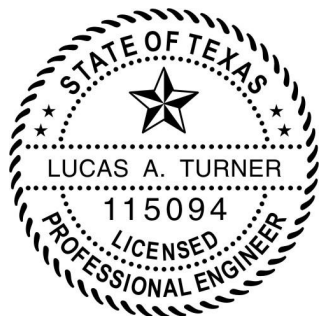
GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE (IBC) AND INTERNATIONAL RESIDENTIAL CODE (IRC), WITH TEXAS REVISIONS EFFECTIVE JANUARY 1, 2008.
2. GLAZING OPTIONS: (SEE SHEET 3)
3. CONFIGURATIONS: "O". ARCHITECTURAL SHAPES INCLUDE, BUT ARE NOT LIMITED TO, THOSE SHOWN ON SHEET 2.
4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEET 7 FOR ANCHOR DETAILS. WINDLOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
5. NOT APPROVED FOR IMPACT RESISTANCE. IMPACT PROTECTIVE SYSTEM IS REQUIRED IN WIND BORNE DEBRIS REGION.
6. ALL FRAMES FULLY WELDED.
7. SERIES / MODEL DESIGNATION PW-8150.
8. THE DESIGNATION X AND O STAND FOR THE FOLLOWING:
O = FIXED SASH
9. SECTION CALLOUTS APPLY TO ALL ELEVATIONS IN A SIMILAR LOCATION.



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**8150 PVC
PICTURE WINDOW
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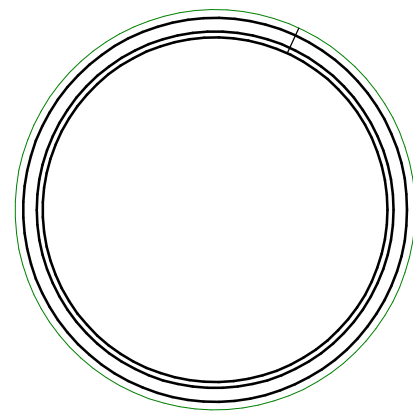
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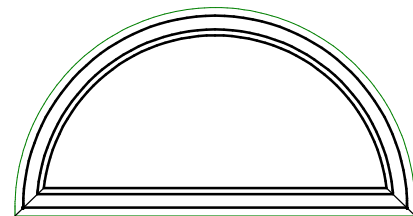
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GENERAL NOTES AND ELEVATIONS

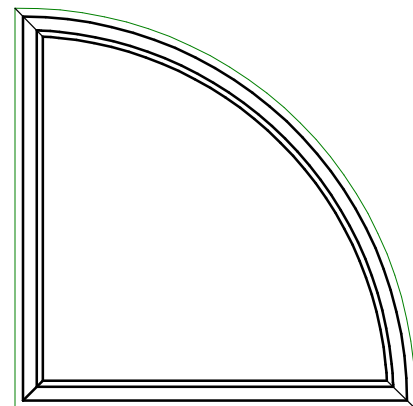
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DWG #: TDI-234	REV.: -
SCALE: 1:20	SHEET 1 OF 7



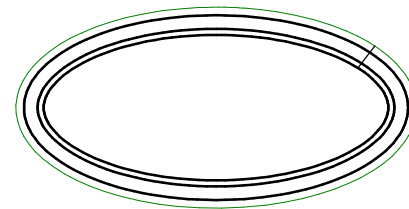
FULL CIRCLE



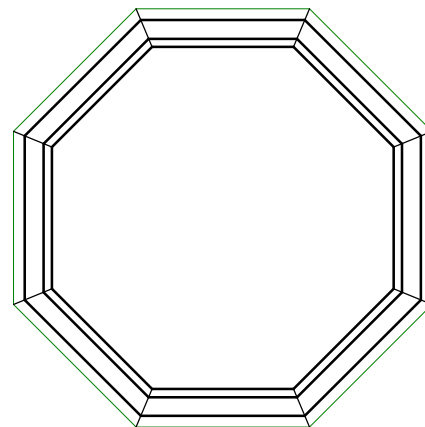
1/2 CIRCLE



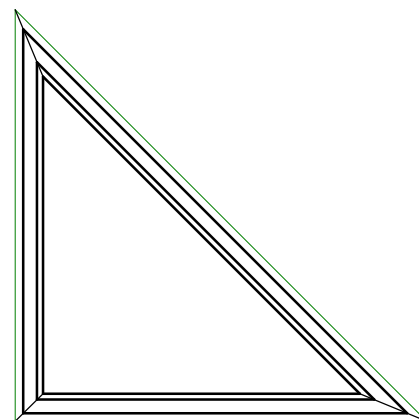
1/4 CIRCLE



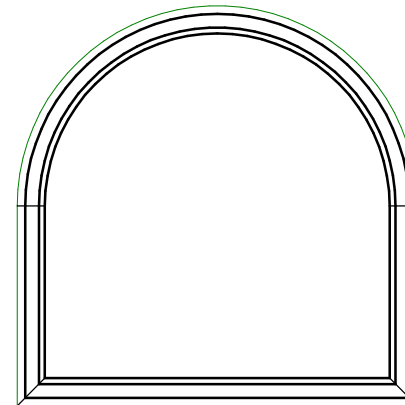
FULL ELLIPSE (OVAL)



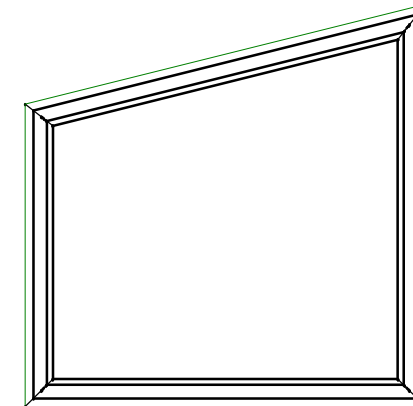
OCTAGON



TRIANGLE



TOMBSTONE



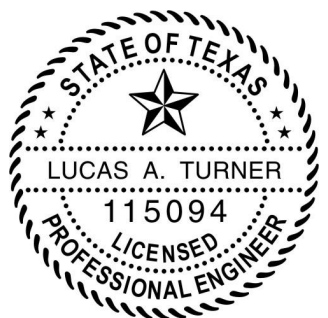
TRAPEZOID

NOTES:

1. SEE SHEET 6 FOR DETAILED ANCHOR INSTALLATION REQUIREMENTS.
2. THRU FRAME - MASONRY, WOOD OR METAL OPENING.
THRU FIN - WOOD OPENING.
3. OVERALL SIZE MUST NOT EXCEED THE MAX. WIDTH AND HEIGHT OF RECTANGULAR WINDOWS ON SHEET 1.
4. ANCHOR SPACING FOR ARCHITECTURAL FLANGE AND FIN WINDOWS MUST FOLLOW THE LAYOUTS SHOWN ON SHEET 6, WITH ANCHOR SPACING MEASURED ALONG THE LENGTH OF THE PRODUCT.

**8150 PVC
PICTURE WINDOW
NON-IMPACT**

REVISIONS			
NO.:	DESCRIPTION:	BY:	DATE:
A	REVISED TO TDI REQUEST	JML	8/2/16



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SHEET DESCRIPTION:

ARCHITECTURAL SHAPES

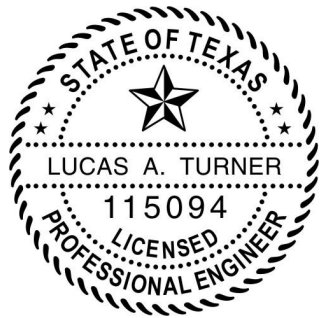
DRAWN BY:	DATE:
EMK	11/11/15

DWG #:	REV.:
TDI-234	-

SCALE: 1:1	SHEET 2 OF 7
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**8150 PVC
PICTURE WINDOW
NON-IMPACT**

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SHEET DESCRIPTION:

GLAZING DETAIL

DRAWN BY:

EMK

DWG #:

TDI-234

SCALE:

1:2

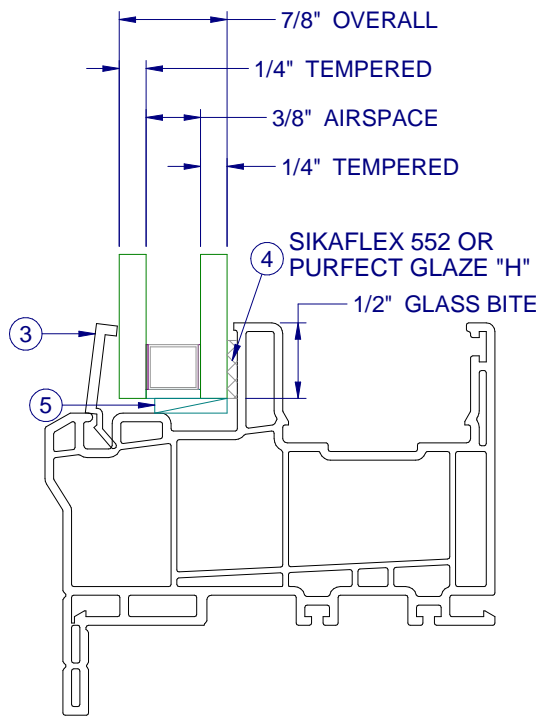
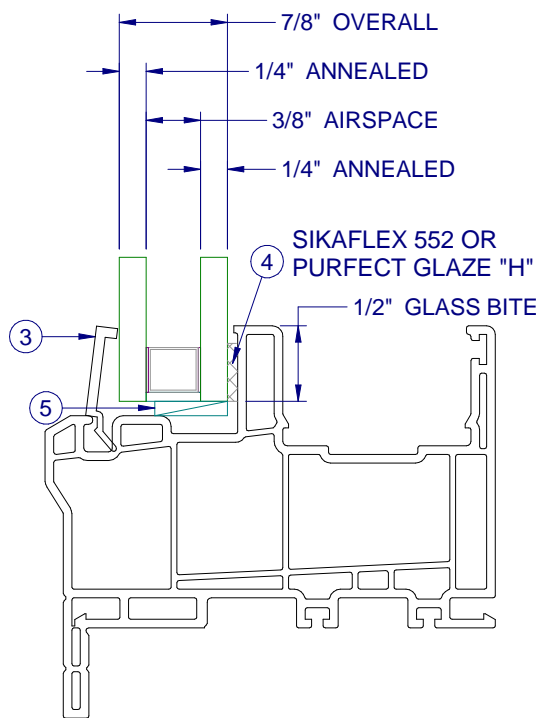
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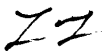
11/11/15

REV.:

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SHEET
3 OF 7



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SHEET DESCRIPTION:

SECTION VIEWS

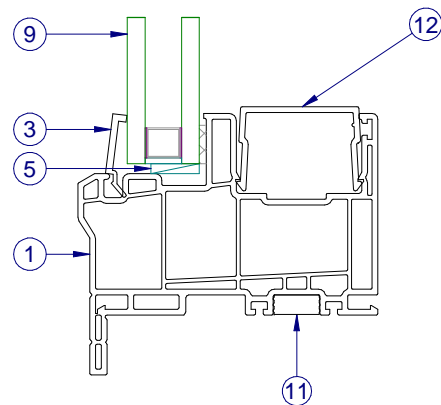
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DWG #:	REV.:
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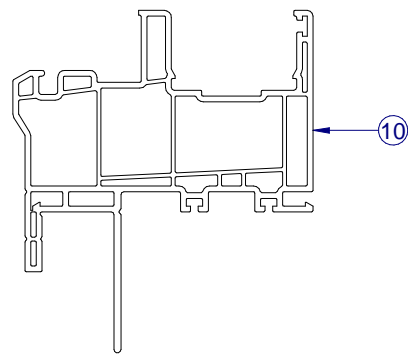
SCALE: 1:2	SHEET 4 OF 7
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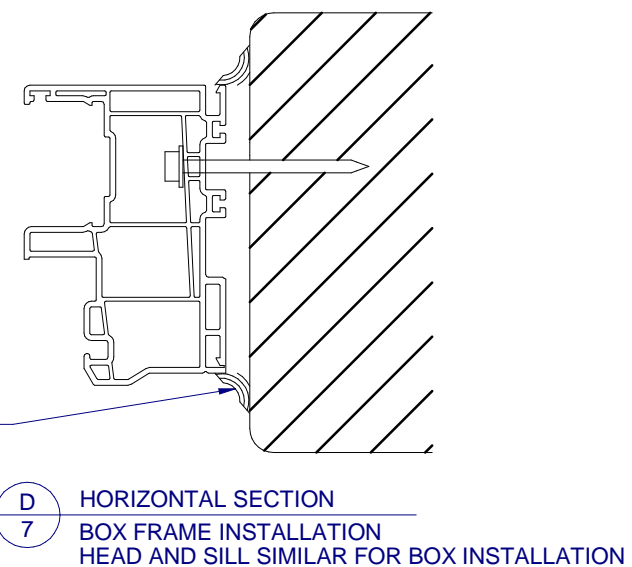
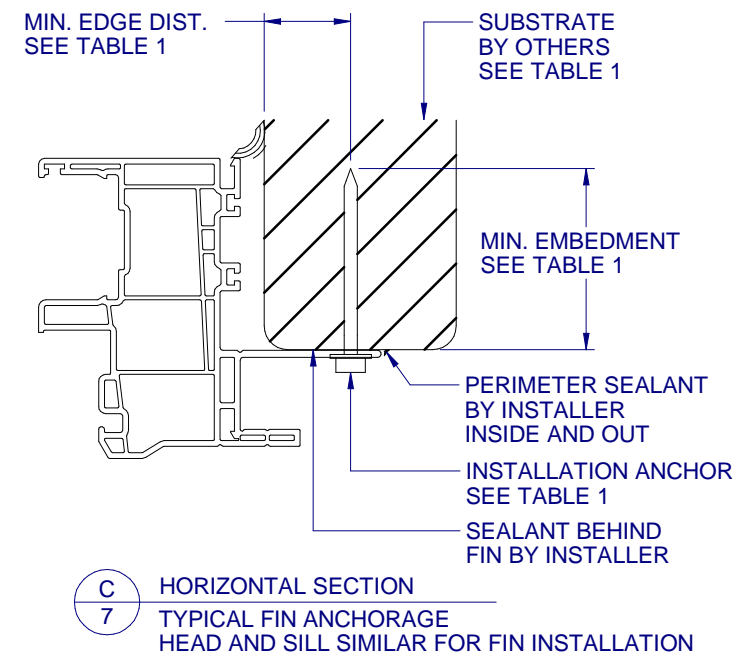
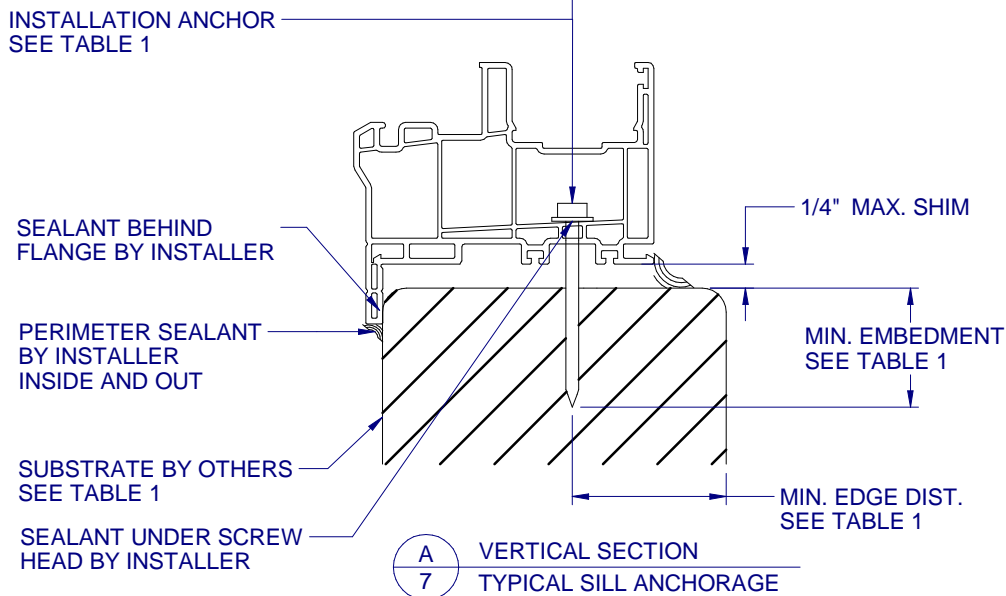
SECTION VIEW A-A



SECTION VIEW B-B



SECTION VIEW C-C

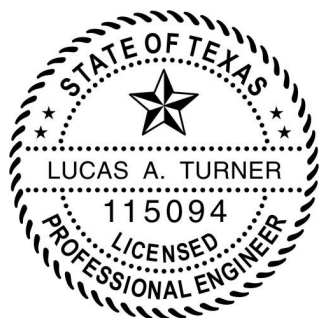


FRAME TYPE	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EMBEDMENT	MIN. EDGE DIST
FLANGE	CONCRETE (2.0 KSI MIN.)	3/16" ITW TAPCON	1-1/2"	1-1/8"
FLANGE	HOLLOW OR GROUT-FILLED CMU (117 PCF MIN.)	3/16" ITW TAPCON	1"	2"
FLANGE	CONCRETE (2.85 KSI MIN.)	3/16" ELCO ULTRACON	1"	1"
FLANGE	GROUT-FILLED CMU (ASTM C-90)	3/16" ELCO ULTRACON	1-1/4"	2-1/2"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	3/16" ITW TAPCON OR ELCO ULTRACON	1-3/8"	7/8"
FLANGE	2X MIN. SOUTHERN PINE (G=0.55)	#10 WOOD SCREW	1-3/8"	7/8"
FLANGE	16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN)	#10-16 HILTI KWIK-FLEX OR ITW TEKS SELF-DRILLING SCREW	FULL THREAD THRU 0.060"	7/16"
FLANGE	1/8" ALUM. (6063-T5 MIN.) OR 1/8" STEEL (33 KSI MIN.)	#10 GRADE 5 SELF-TAPPING / DRILLING SCREW	FULL THREAD THRU 0.125"	7/16"
FIN	2X MIN. SOUTHERN PINE (G=0.55)	#8 WOOD SCREW	1-1/2"	7/16"

FLANGE REMOVAL NOTE: PARTIALLY OR FULLY REMOVING THE FLANGE, UP TO AND INCLUDING A BOX-FRAME APPLICATION IS ACCEPTABLE PROVIDED:

- MIN. 1/4" FILLET OF CONSTRUCTION-GRADE ADHESIVE CAULK IS APPLIED INSIDE AND OUT, FULL PERIMETER, BY INSTALLER.
- PRODUCT ANCHORAGE IS IN ACCORDANCE WITH REQUIREMENTS AS SHOWN FOR FLANGE WINDOWS.

**8150 PVC
PICTURE WINDOW
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SHEET DESCRIPTION:

INSTALLATION DETAILS

DRAWN BY: EMK	DATE: 11/11/15
DWG #: TDI-234	REV.: -
SCALE: 1:2	SHEET 7 OF 7