	REVISIONS				
REV	DESCRIPTION	DATE	APPROVED		
А	REVISED PER NEW STANDARDS	08/05/2020	R.L.		
В	REVISED TO ADD INSTALLATION DETAILS	06/22/2022	R.L.		

NOTES

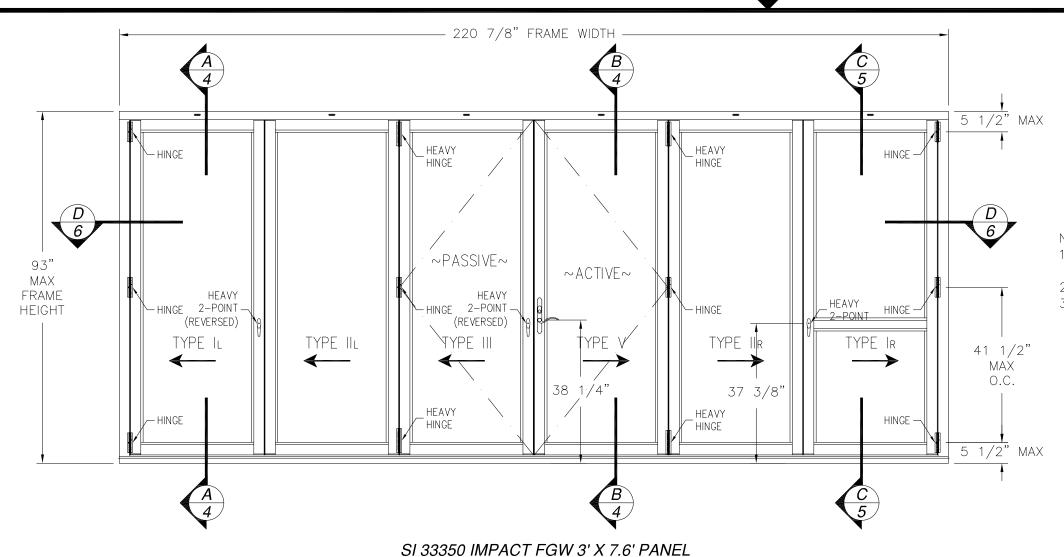
- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE 2018 IBC AND 2018 IRC.
- 2. WOOD FRAMING AND MASONRY OPENING TO BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO STRUCTURE. FRAMING AND MASONRY OPENING IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 3. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS. ANCHORS SHALL BE SECURELY FASTENED DIRECTLY INTO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE MATERIAL.
- 4. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. WINDOW UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 5. WHERE 1X BUCK IS NOT USED DISSIMILAR MATERIALS MUST BE SEPARATED WITH APPROVED COATING OR MEMBRANE. SELECTION OF COATING OR MEMBRANE IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD.
- 6. BUCKS SHALL EXTEND BEYOND WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 7. FOR FIN INSTALLATION SHIM AS NEEDED. FOR FRAME INSTALLATION SHIM AS REQUIRED AT EACH ANCHOR LOCATION WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4".
- 8. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- 9. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 10. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
- 11. UNITS MUST BE GLAZED PER ASTM E1300, SEE SHEET 5 FOR GLASS DETAILS.
- 12. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS NOT REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #14 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 7/16" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

- 14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #14 SMS OR SELF DRILLING SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM BEYOND STRUCTURE INTERIOR WALL. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. ALL FASTENERS TO BE CORROSION RESISTANT.
- 17. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW:
 - A. WOOD MINIMUM SPECIFIC GRAVITY OF G=0.42
 - B. CONCRETE MINIMUM COMPRESSIVE STRENGTH OF 3,192 PSI.
 - C. MASONRY STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
 - D. METAL STRUCTURE: STEEL 18GA, 33KSI OR ALUMINUM 6063-T5 1/8" THICK MINIMUM

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Luis R. Lomas P.E. TX No.: 101889 Firm No: F-23130

			SOLAR INNOVATIONS, INC. 31 ROBERTS RD.			
	TABLE OF CONTENTS		PINE GROVE, PA 17963			
SHEET NO.	DESCRIPTION	SI 3350	SI 3350 IMPACT FGW 3'X 7.6' PANEL OUTFOLD NON-REINFORCED NOTES			
1	NOTES					
2	ELEVATION	DRAWN:	DRAWN: DWG NO.			REV
3	ANCHOR LAYOUT & DETAILS	N.G.			08-02664	
4 - 6	CROSS SECTIONS AND GLAZING DETAILS	SCALE NTS	DATE 0	4/01/15	SHEET 1 OF 11	
7 – 10	INSTALLATION DETAILS		L. ROBERTO LOMAS P.E.			
11	COMPONENTS		400 S. PALM AVE, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com			



EXTERIOR VIEW

MISSILE LEVEL D, WIND ZONE 4

MULTIPLE PANELS CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL
PANEL SIZE DOES NOT EXCEED 35 5/8" WIDTH AND 89 1/2" HEIGHT

IMPACT RATING

LARGE AND SMALL

MISSILE IMPACT

DESIGN PRESSURE RATING

±55.0PSF

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NOTES:

- 1. DRAIN TUBE 1 1/2" I.D. AT 10", 28 1/2" FROM EACH CORNER AND (1) AT MIDSPAN OF SILL FACE.
- 2. PANEL SIZE: 35 5/8" X 89 1/2"
- 3. D.L.O.: 28 5/8" X 82 1/2"

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HARDWARE SCHEDULE A. (4) POINT LOCK SYSTEM AT 34.5" FROM BOTTOM LOCK STILE B. (2) POINT SINGLE HANDLE THROW-BOLT AT 34.5" FROM BOTTOM LOCK STILE C. METAL KEEPER AT LOCK LOCATIONS D. EXTRUDED ALUMINUM THROW-BOLTS AT HEAD & SILL E. 5 1/4" BUTT-TYPE HINGE AT TOP, BOTTOM & MISPAN OF EACH JAMB F. TROLLEY SYSTEM (TOP LOAD) G. EXTRUDED ALUMINUM WEATHERSTRIP HOLDER AT PASSIVE MEETING STILE H. (2) EXTRUDED ALUMINUM PLATES AT TOP & BOTTOM OF EACH STILE

SOLAR INNOVATIONS, INC.

31 ROBERTS RD.
PINE GROVE, PA 17963

SI 3350 IMPACT FGW 3' X 7.6' PANEL OUTFOLD
NON-REINFORCED
ELEVATION

DRAWN:
N.G.

DWG NO.

08-02664

B

SCALE NTS

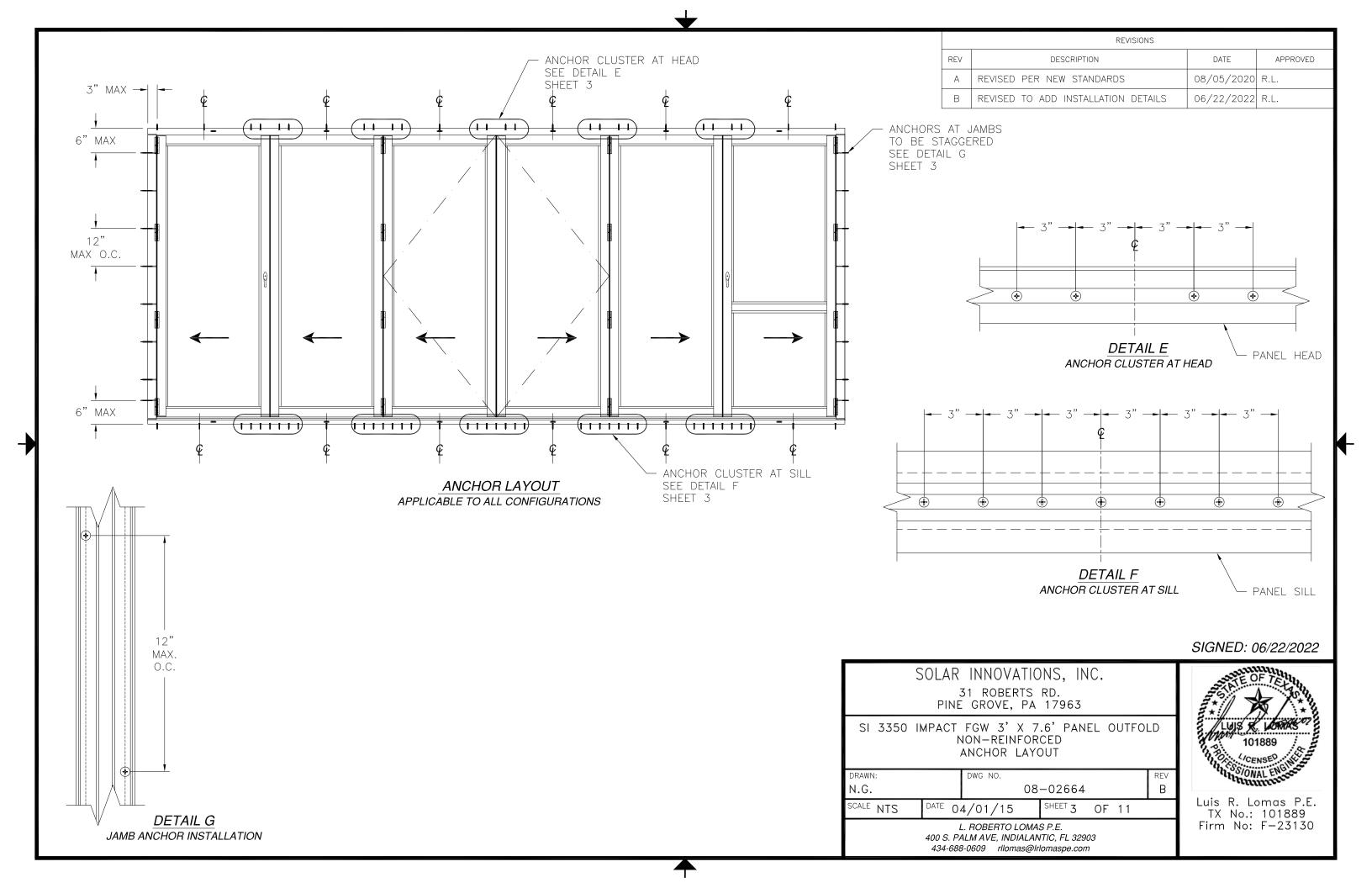
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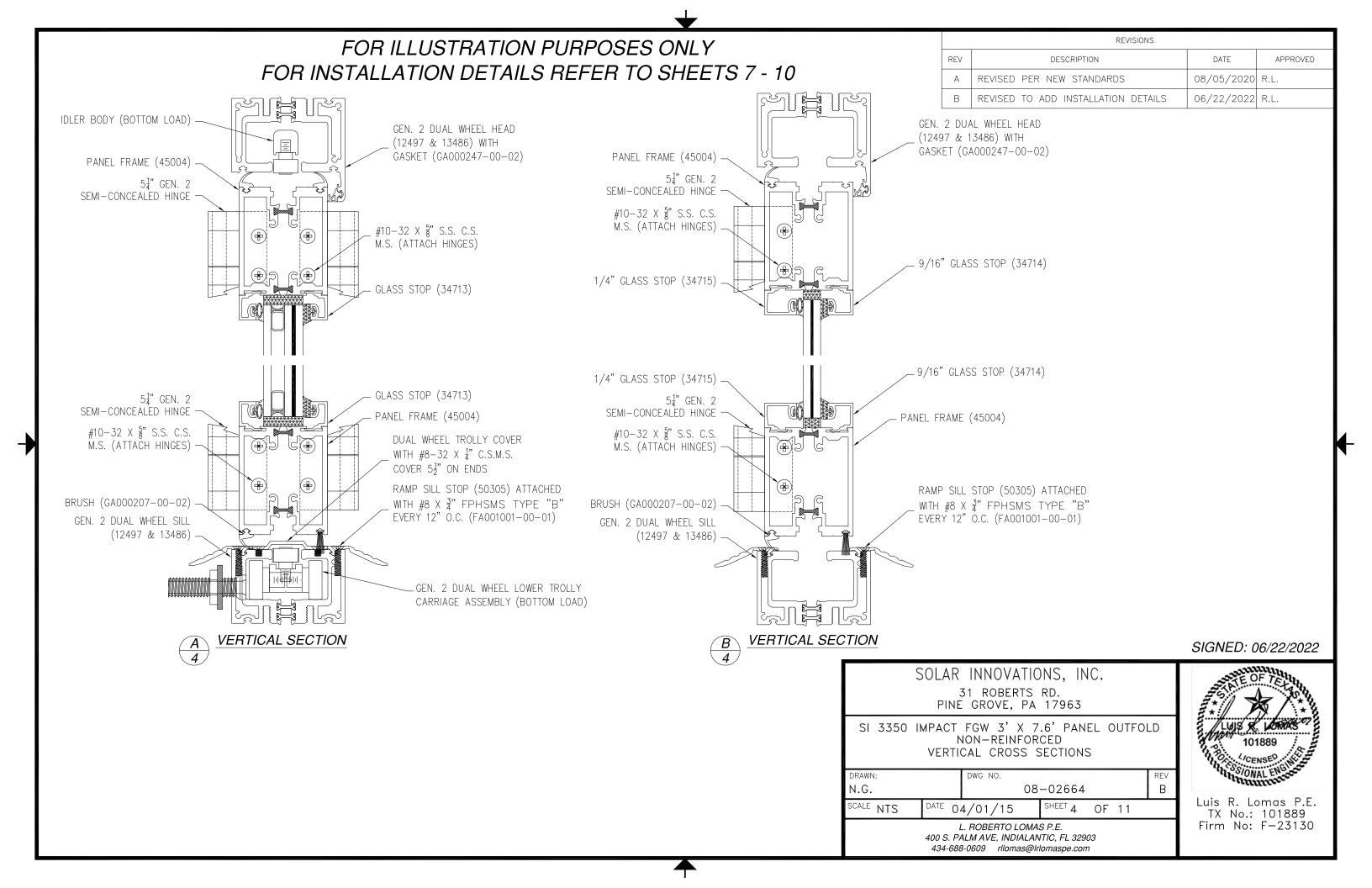
SHEET 2 OF 11

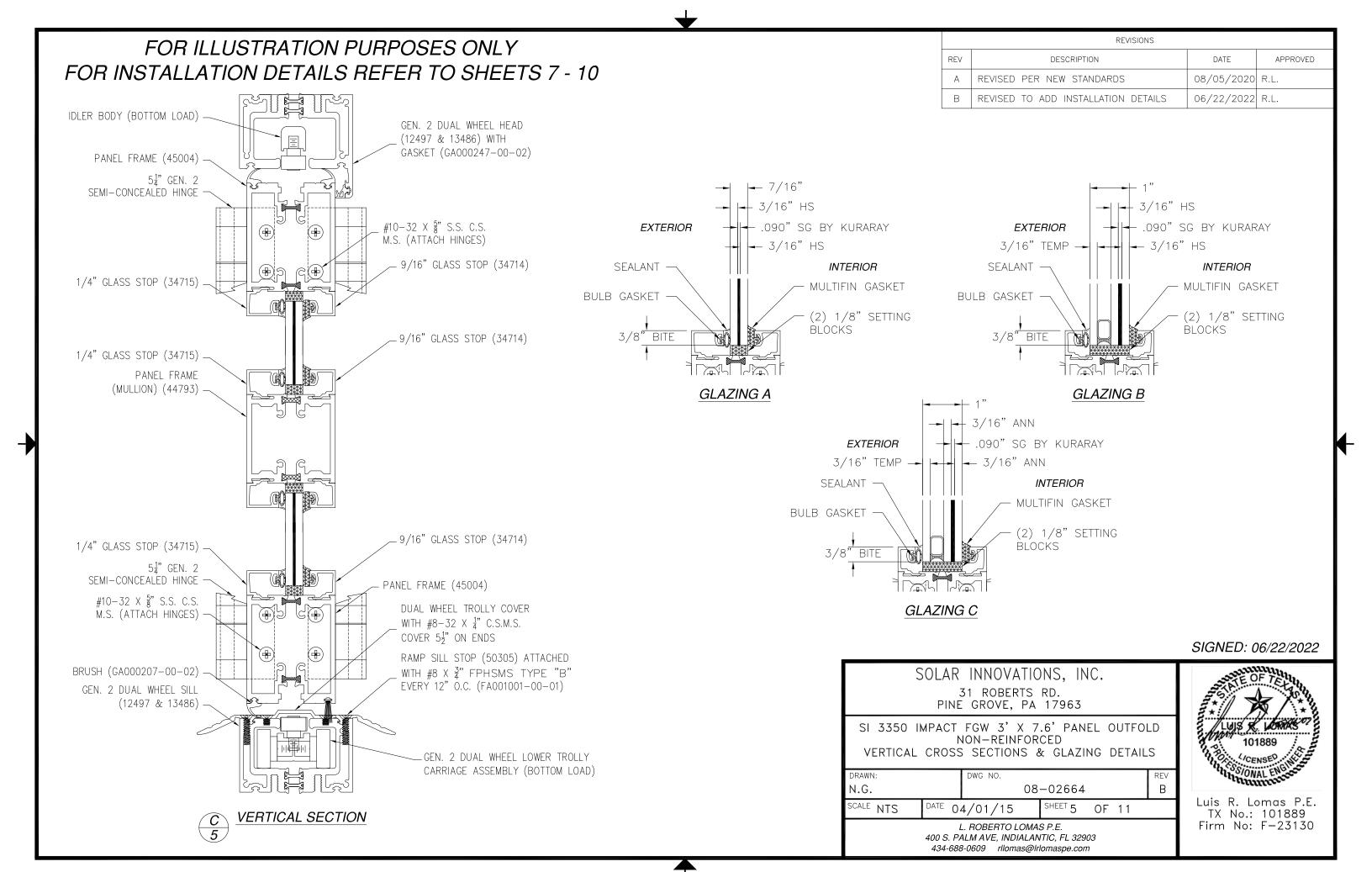
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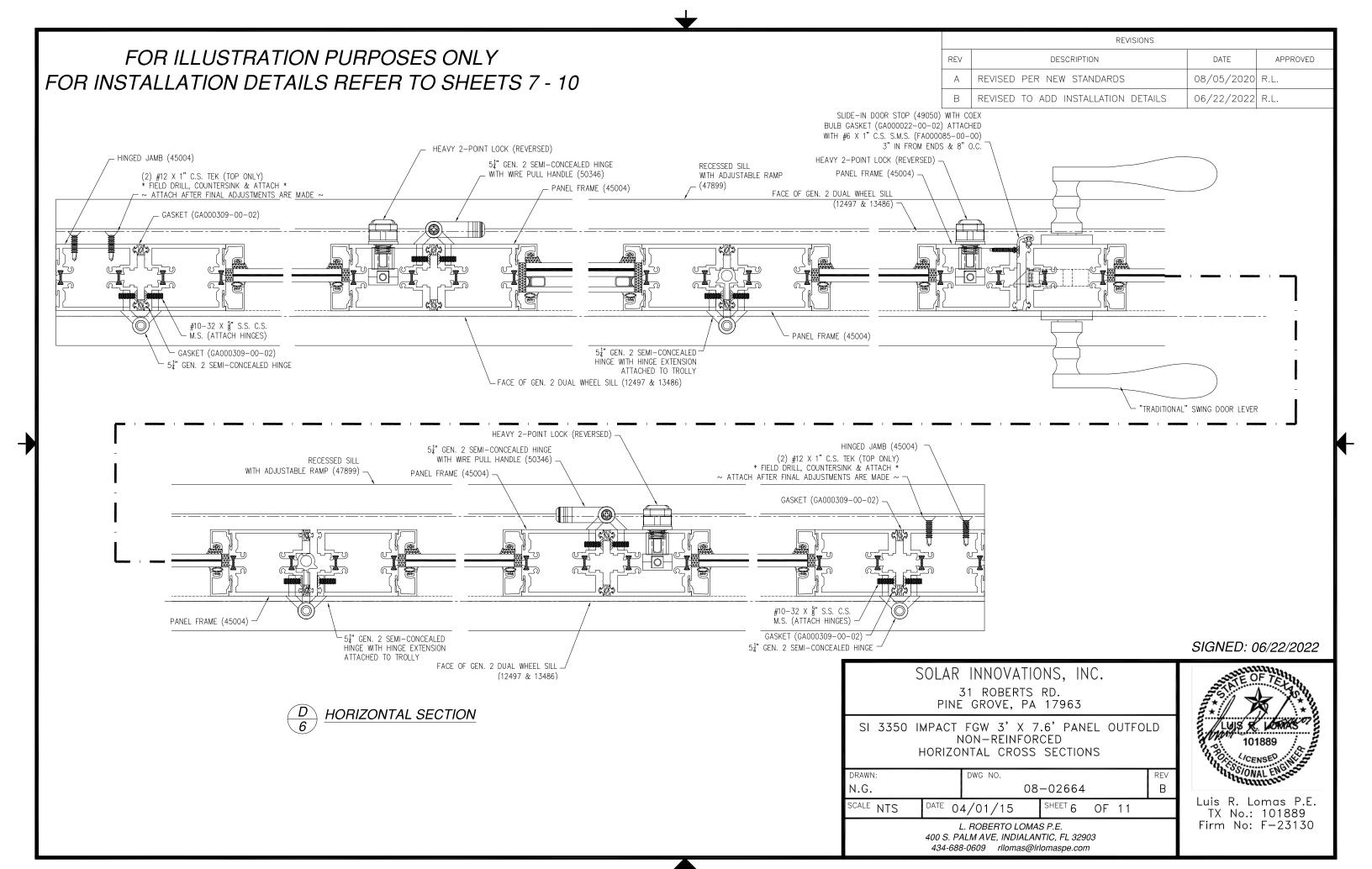


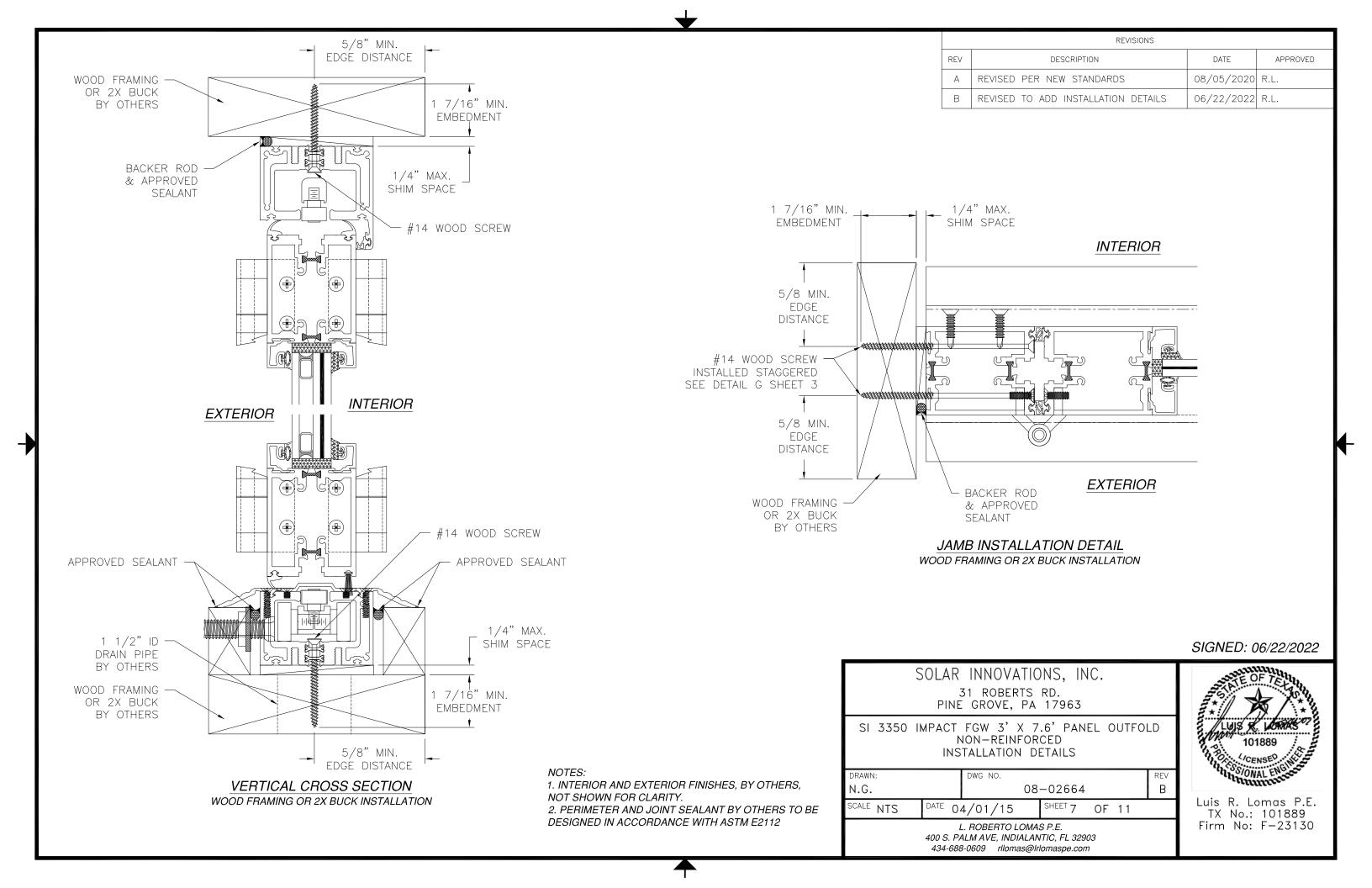
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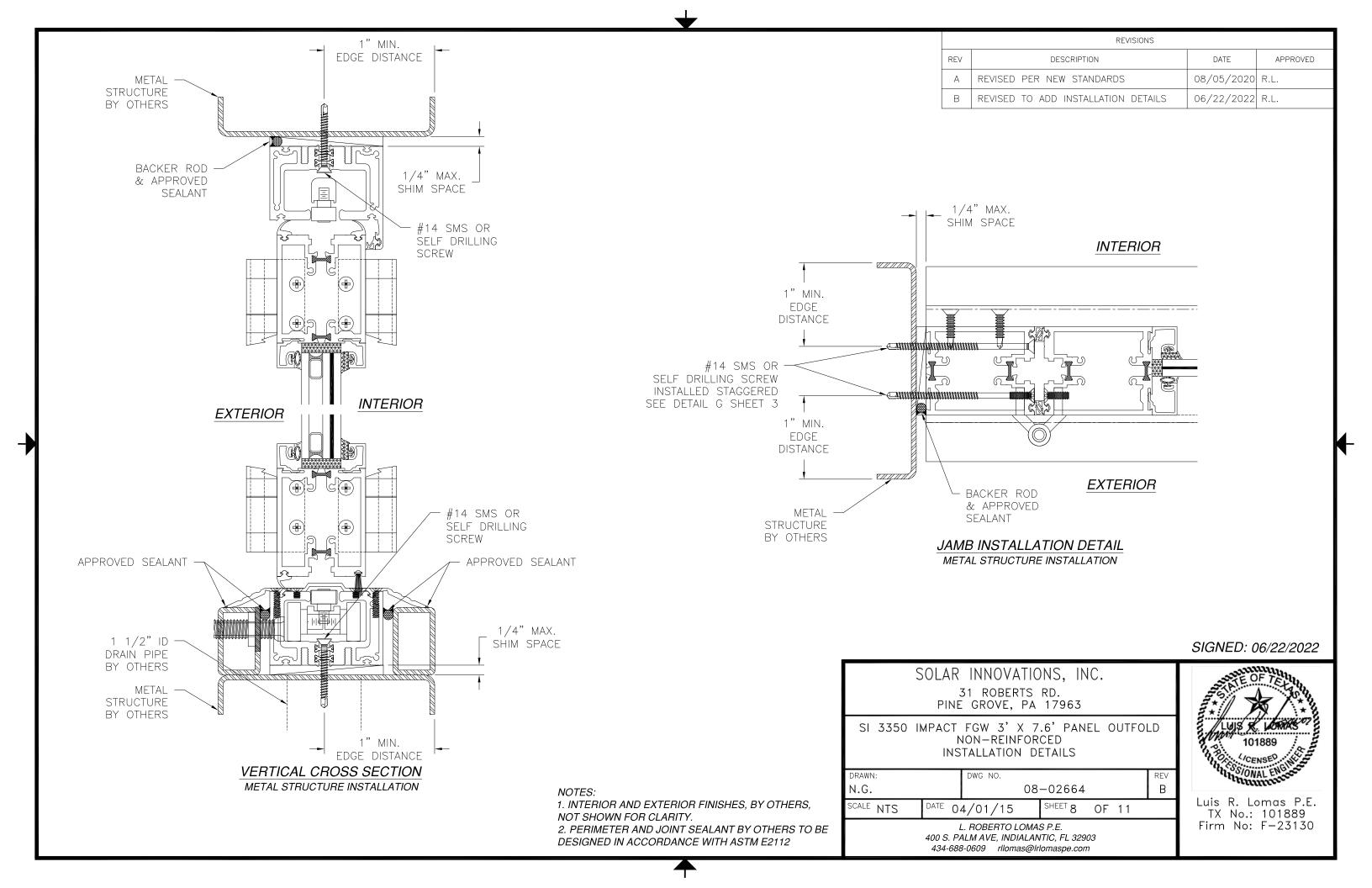


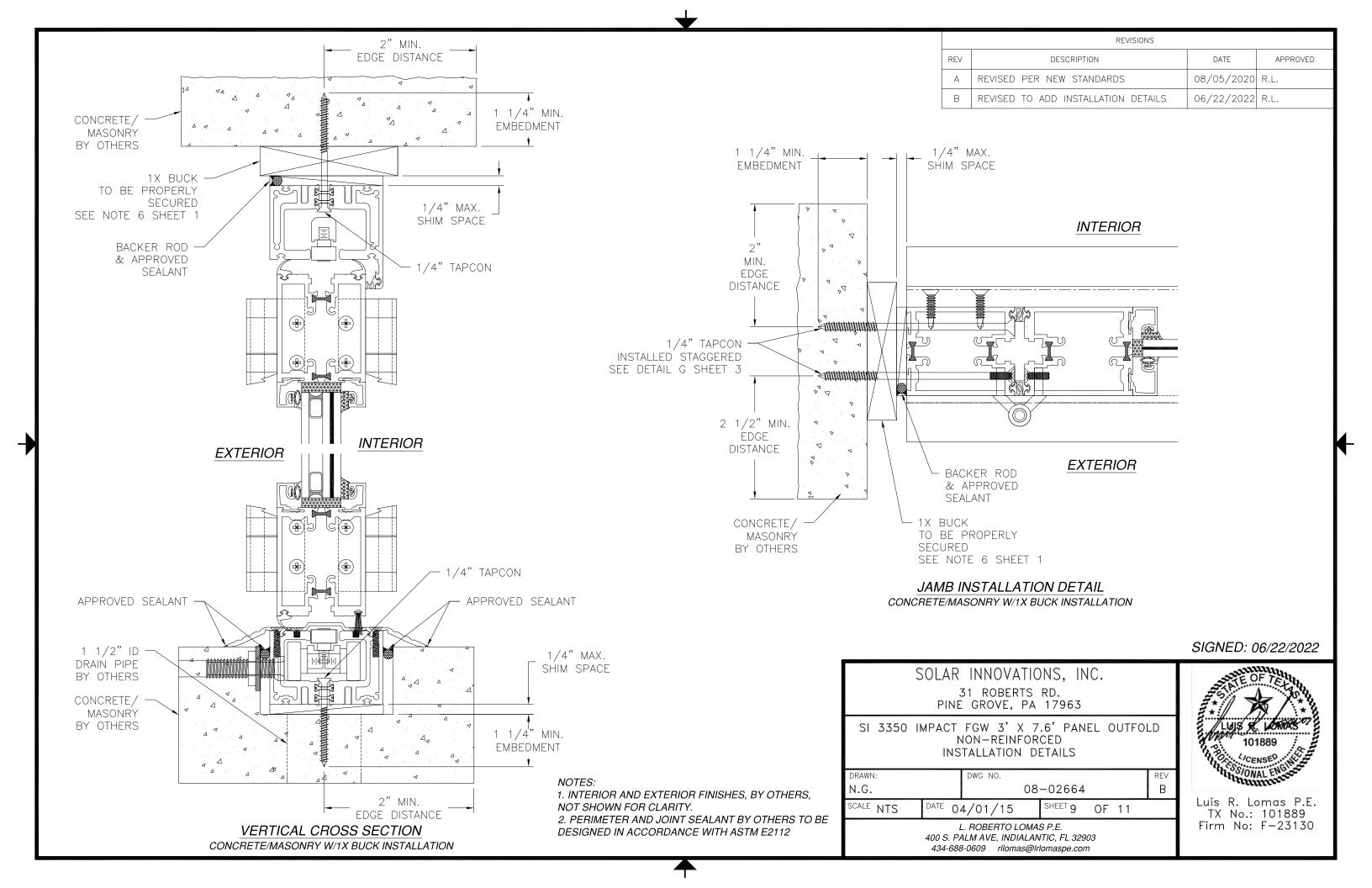


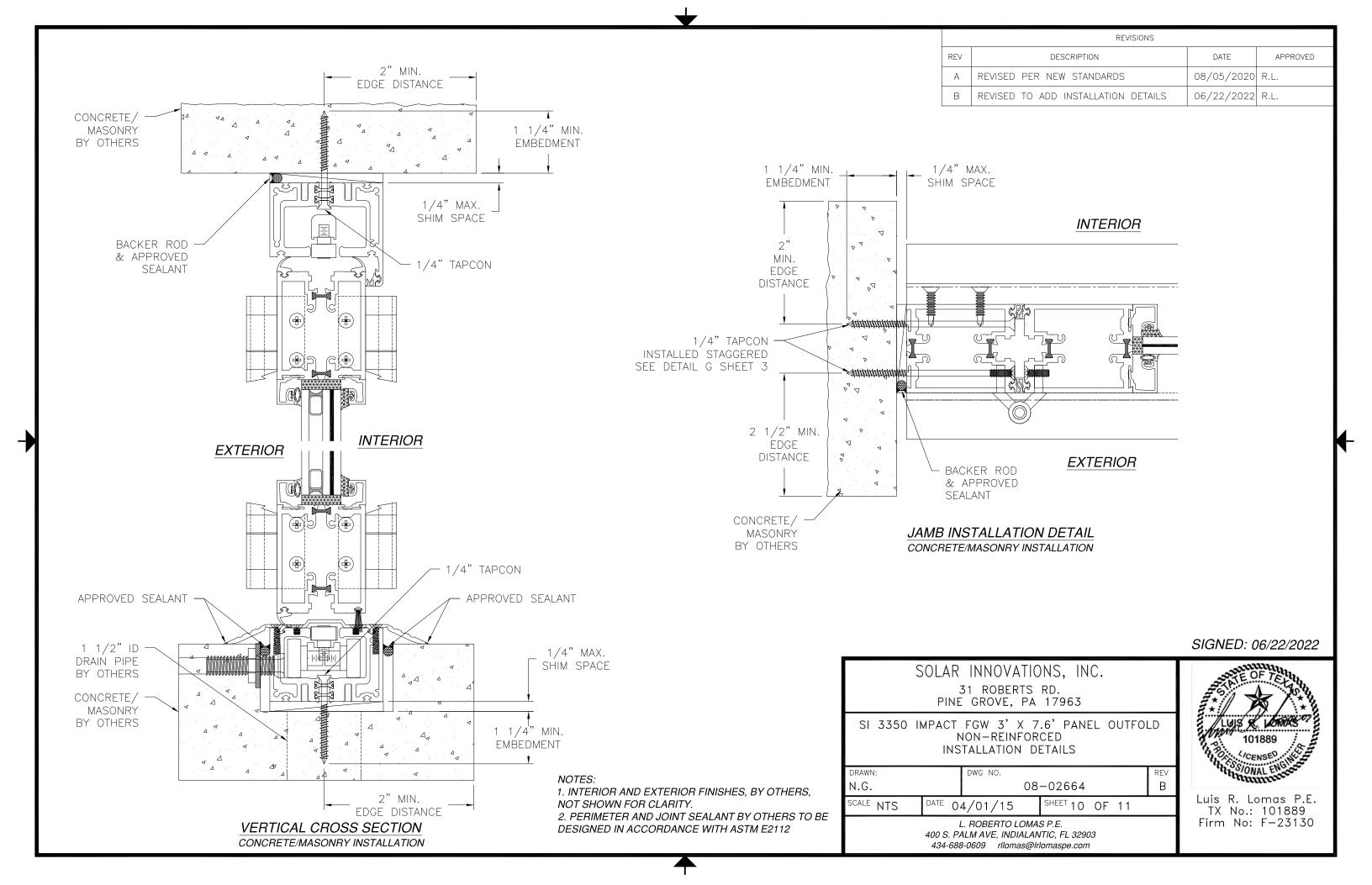




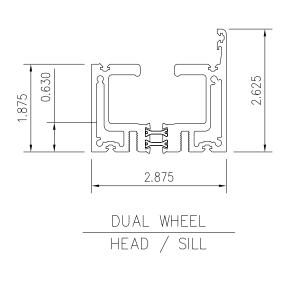


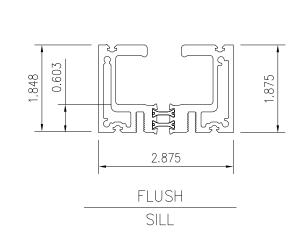


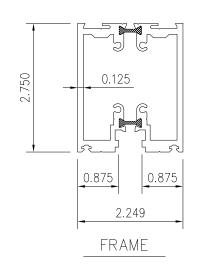


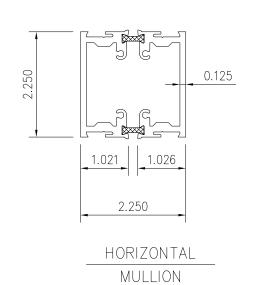


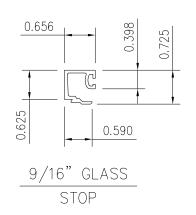
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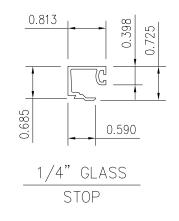


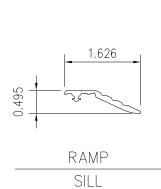


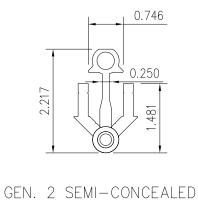




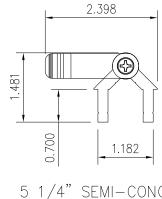






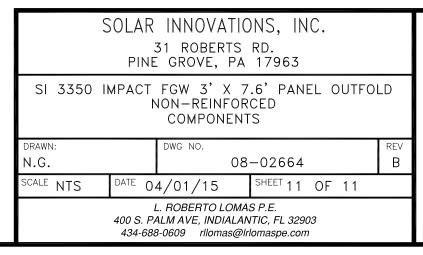


HINGE WITH EXTENSION



5 1/4" SEMI-CONCELAED
HINGE W/WIRE PULL HANDLE

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