

| REVISIONS |                              |            |          |
|-----------|------------------------------|------------|----------|
| REV       | DESCRIPTION                  | DATE       | APPROVED |
| D         | REVISED PER NEW REQUIREMENTS | 12/05/2023 | R.L.     |

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, STEEL 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 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.
4. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
5. ALLOWABLE STRESS INCREASE OF 1/3 WAS NOT USED IN THE DESIGN OF THE PRODUCT SHOWN HEREIN. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
6. FRAME MATERIAL: ALUMINUM 6063-T6.
7. UNITS MUST BE GLAZED PER ASTM E1300 WITH SAFETY GLAZING.
8. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
9. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. SHIM WHERE SPACE OF 1/16" OR GREATER OCCURS. MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8".

10. FOR ANCHORING 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.
11. FOR ANCHORING 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.
12. FOR ANCHORING INTO 16GA. (.060" MIN.) STEEL FRAMING 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.
13. ALL FASTENERS TO BE CORROSION RESISTANT.
14. 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:
- 14.1. WOOD – MINIMUM SPECIFIC GRAVITY OF G=0.42
- 14.2. CONCRETE – MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
- 14.3. MASONRY – STRENGTH CONFORMANCE TO ASTM C-90, GRADE N, TYPE 1 (OR GREATER).
- 14.4. STEEL FRAMING – 16GA. (.060" MIN.) THICKNESS.

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SOLAR INNOVATIONS. INC.  
31 ROBERTS ROAD  
PINE GROVE, PA 17963

SERIES SI3200 STACK WALL THERMALLY BROKEN AL  
FOLDING WALL NON-IMPACT  
NOTES

DRAWN:  
TJH

DWG NO.  
08-01147

REV  
D

SCALE NTS

DATE 10/18/10

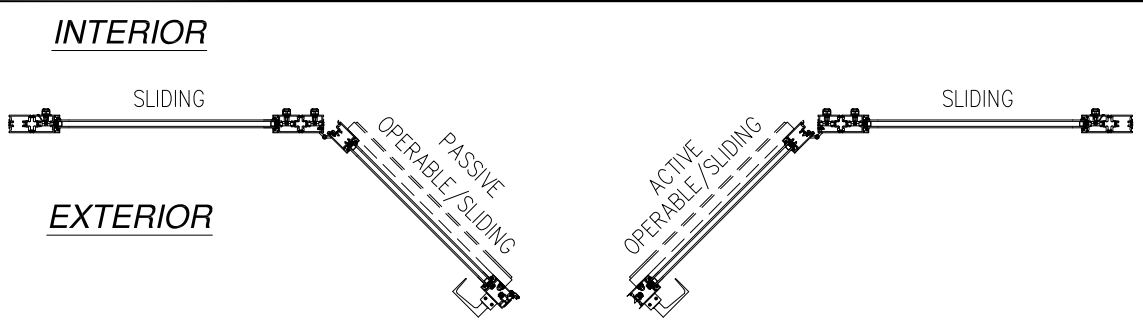
SHEET 1 OF 9

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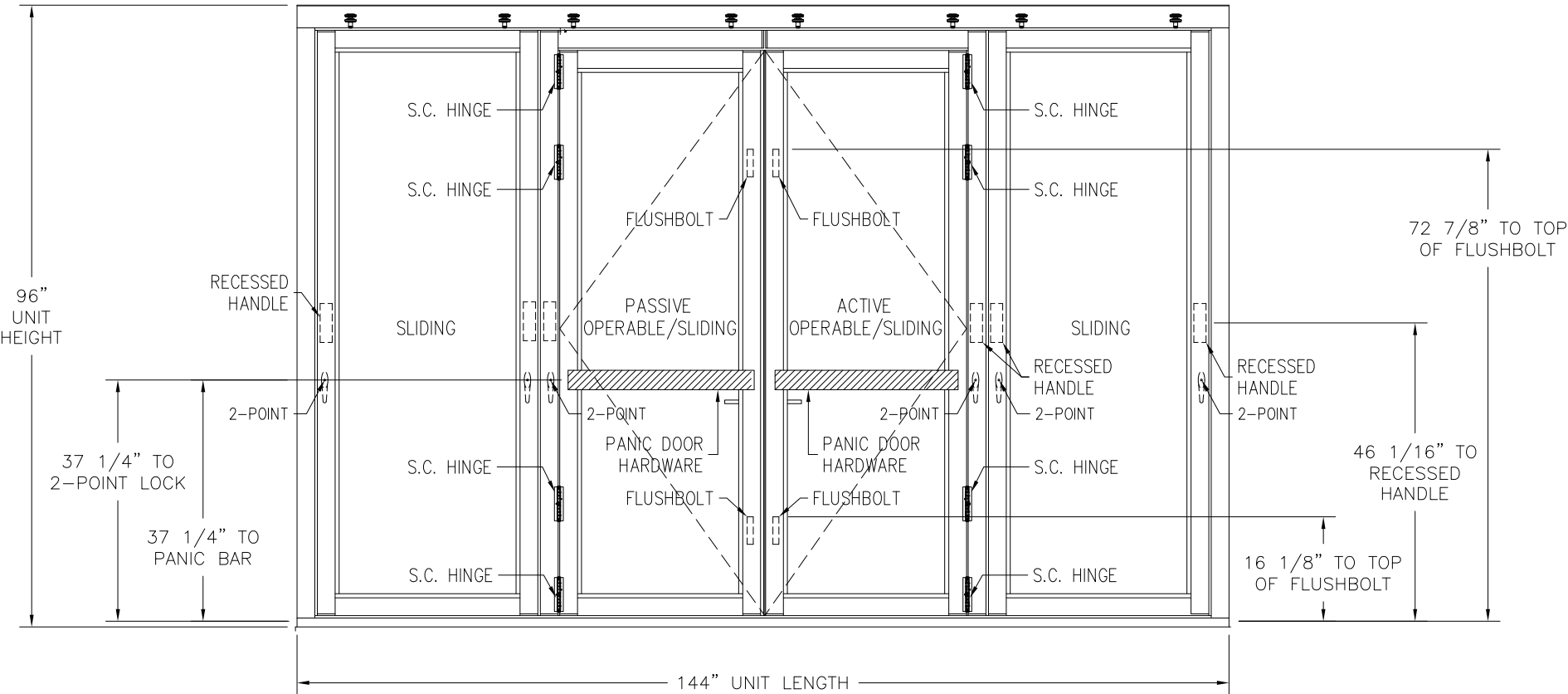
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Luis R. Lomas P.E.  
FL No.: 62514



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| Chart #1<br>Maximum Design pressure (psf) |                         |      |      |      |       |      |      |      |      |      |
|-------------------------------------------|-------------------------|------|------|------|-------|------|------|------|------|------|
| Panel Height (in)                         | Single Panel Width (in) |      |      |      |       |      |      |      |      |      |
|                                           | 24.0                    |      | 30.0 |      | 34.06 |      | 36.0 |      | 42.0 |      |
|                                           | Pos                     | Neg  | Pos  | Neg  | Pos   | Neg  | Pos  | Neg  | Pos  | Neg  |
| 66.0                                      | 40.0                    | 60.0 | 40.0 | 60.0 | 40.0  | 54.8 | 40.0 | 51.9 | 40.0 | 44.5 |
| 72.0                                      | 40.0                    | 60.0 | 40.0 | 57.0 | 40.0  | 50.2 | 40.0 | 47.5 | 40.0 | 40.7 |
| 78.0                                      | 40.0                    | 60.0 | 40.0 | 52.7 | 40.0  | 46.4 | 40.0 | 43.9 | -    | -    |
| 84.0                                      | 40.0                    | 57.9 | 40.0 | 48.3 | 40.0  | 43.1 | 40.0 | 40.7 | -    | -    |
| 90.44                                     | 40.0                    | 53.1 | 40.0 | 44.2 | 40.0  | 40.0 | -    | -    | -    | -    |
| 96.0                                      | 40.0                    | 45.9 | 37.3 | 37.3 | -     | -    | -    | -    | -    | -    |
| 102.0                                     | 38.2                    | 38.2 | 30.9 | 30.9 | -     | -    | -    | -    | -    | -    |
| 108.0                                     | 32.1                    | 32.1 | -    | -    | -     | -    | -    | -    | -    | -    |
| 114.0                                     | 27.2                    | 27.2 | -    | -    | -     | -    | -    | -    | -    | -    |
| 120.0                                     | 23.3                    | 23.3 | -    | -    | -     | -    | -    | -    | -    | -    |
| 126.0                                     | 20.1                    | 20.1 | -    | -    | -     | -    | -    | -    | -    | -    |

**SERIES SI3200 STACK WALL THERMALLY BROKEN ALUMINUM FOLDING WALL**  
EXTERIOR VIEW  
FOUR PANEL UNIT SHOWN. UNLIMITED PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 21.4 FT² AND USES VERTICAL CONDITIONS AS SHOWN HEREIN

- NOTES:
1. OPERABLE/SLIDING PANEL SIZE: 34 1/2" x 87 3/8"
  2. OPERABLE/SLIDING PANEL D.L.O.: 31 1/2" x 80 1/2"
  3. SLIDING PANEL SIZE: 34 1/16" x 90 7/16"
  4. SLIDING PANEL D.L.O.: 31 1/16" x 83 9/16"

| DESIGN PRESSURE RATING | IMPACT RATING |
|------------------------|---------------|
| ±40PSF                 | NONE          |

SEE CHART #1 THIS SHEET

| HARDWARE SCHEDULE                                       |
|---------------------------------------------------------|
| A. (4) 5 1/4" BUTT TYPE HINGES BY SOLAR INNOVATIONS     |
| B. PULL HANDLE BY SOLAR INNOVATIONS                     |
| C. 2 POINT LOCK WITH HANDLE SYSTEM BY SOLAR INNOVATIONS |
| D. FLUSH BOLT BY SOLAR INNOVATIONS                      |
| E. PUSH BAR (INTERIOR) BY SOLAR INNOVATIONS             |

SOLAR INNOVATIONS. INC.  
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ELEVATION AND DESIGN PRESSURE CHART

DRAWN: TJH

DWG NO. 08-01147

REV D

SCALE NTS

DATE 10/18/10

SHEET 2 OF 9

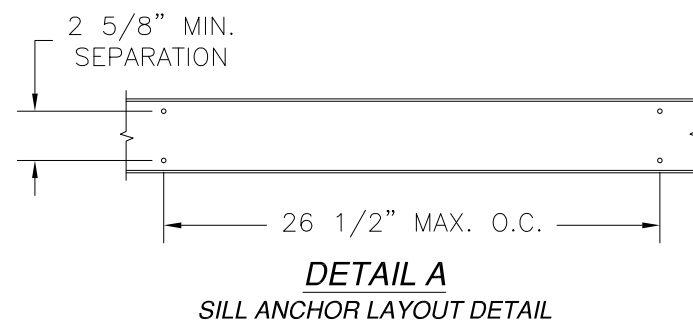
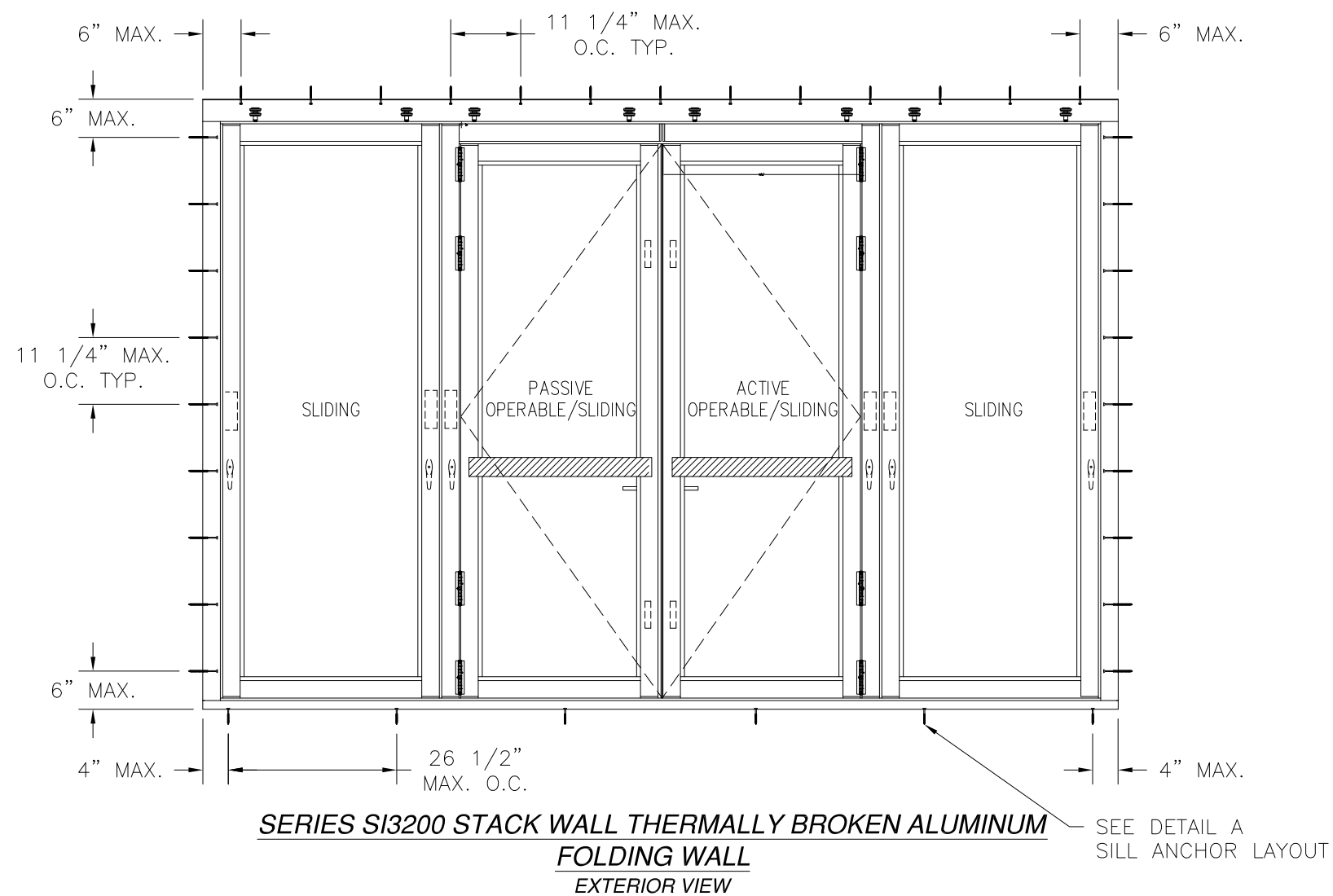
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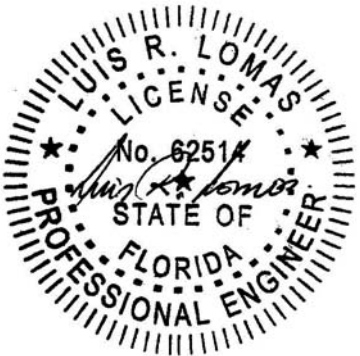
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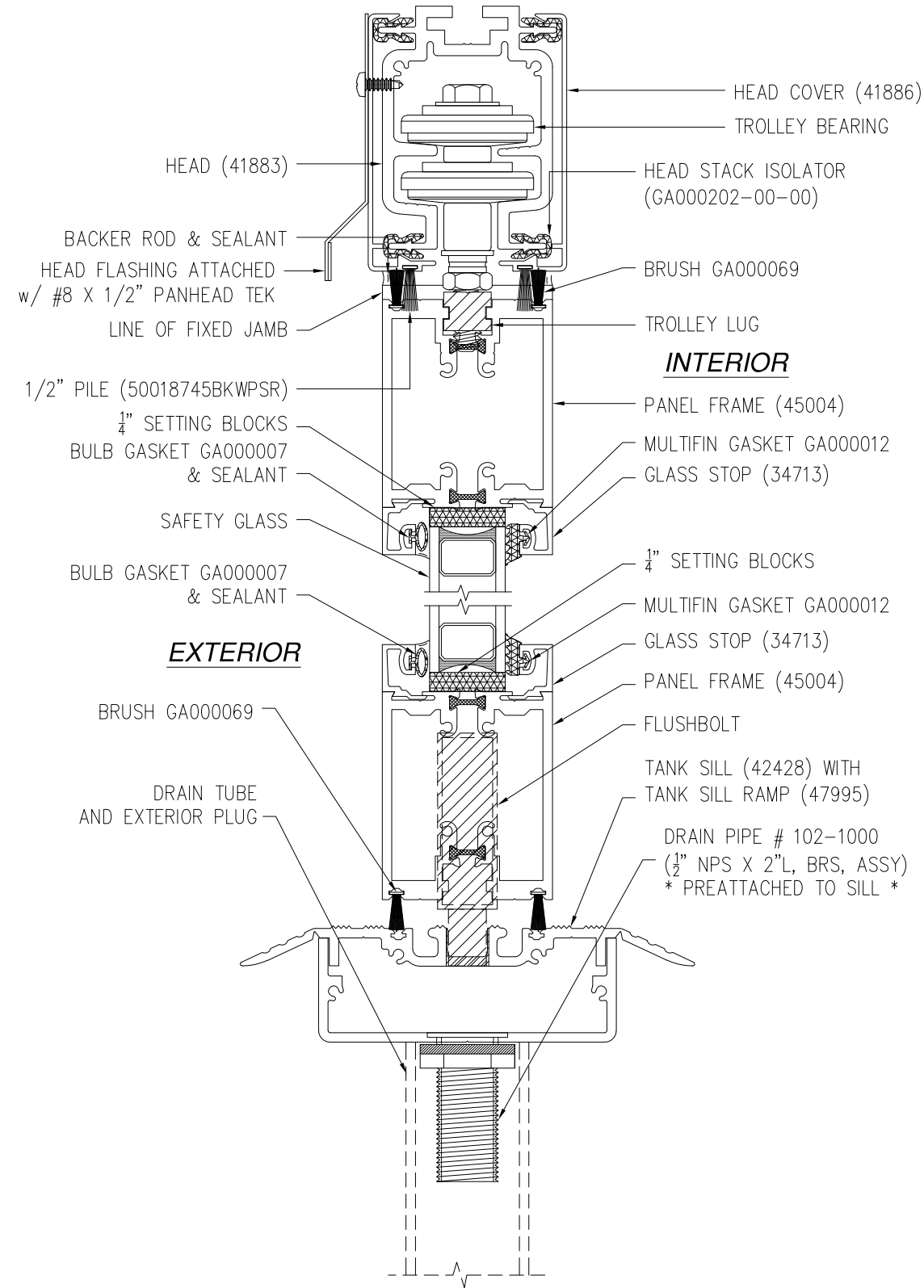
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| SERIES SI3200 STACK WALL THERMALLY BROKEN AL<br>FOLDING WALL NON-IMPACT<br>ANCHORING LAYOUT       |                     |              |
| DRAWN:<br>TJH                                                                                     | DWG NO.<br>08-01147 | REV<br>D     |
| SCALE NTS                                                                                         | DATE 10/18/10       | SHEET 3 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |              |

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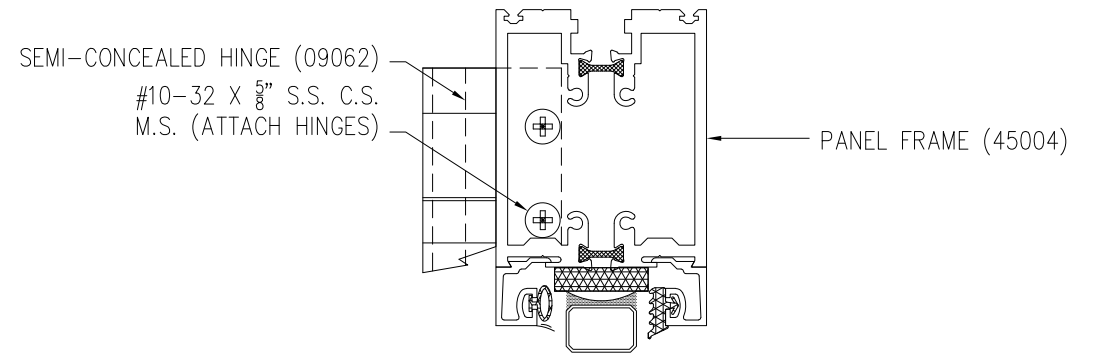


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VERTICAL CROSS SECTION



CONCEALED HINGE DETAIL

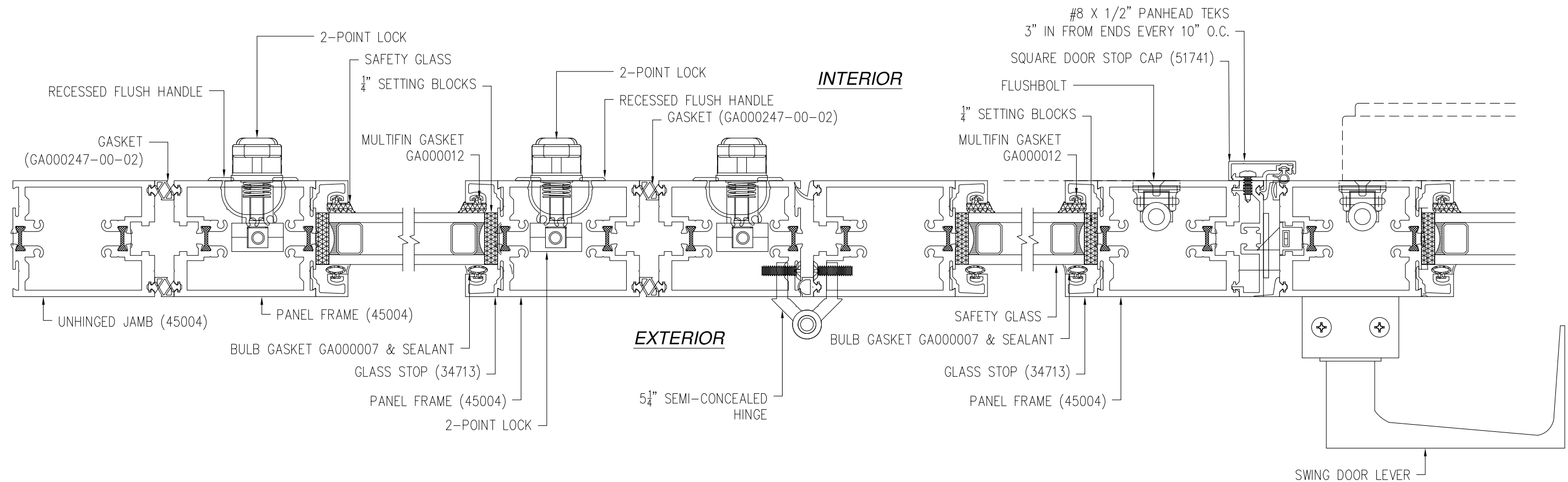
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| SERIES SI3200 STACK WALL THERMALLY BROKEN AL<br>FOLDING WALL NON-IMPACT<br>VERTICAL CROSS SECTIONS |                     |                 |
| DRAWN:<br>TJH                                                                                      | DWG NO.<br>08-01147 | REV<br>D        |
| SCALE<br>NTS                                                                                       | DATE<br>10/18/10    | SHEET<br>4 OF 9 |
| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com  |                     |                 |



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HORIZONTAL CROSS SECTION

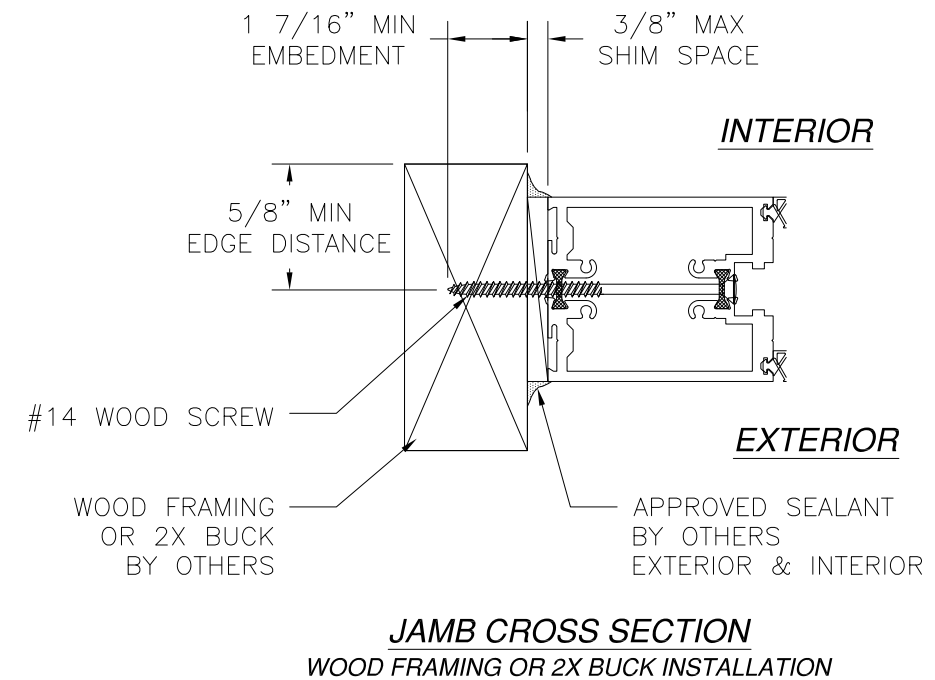
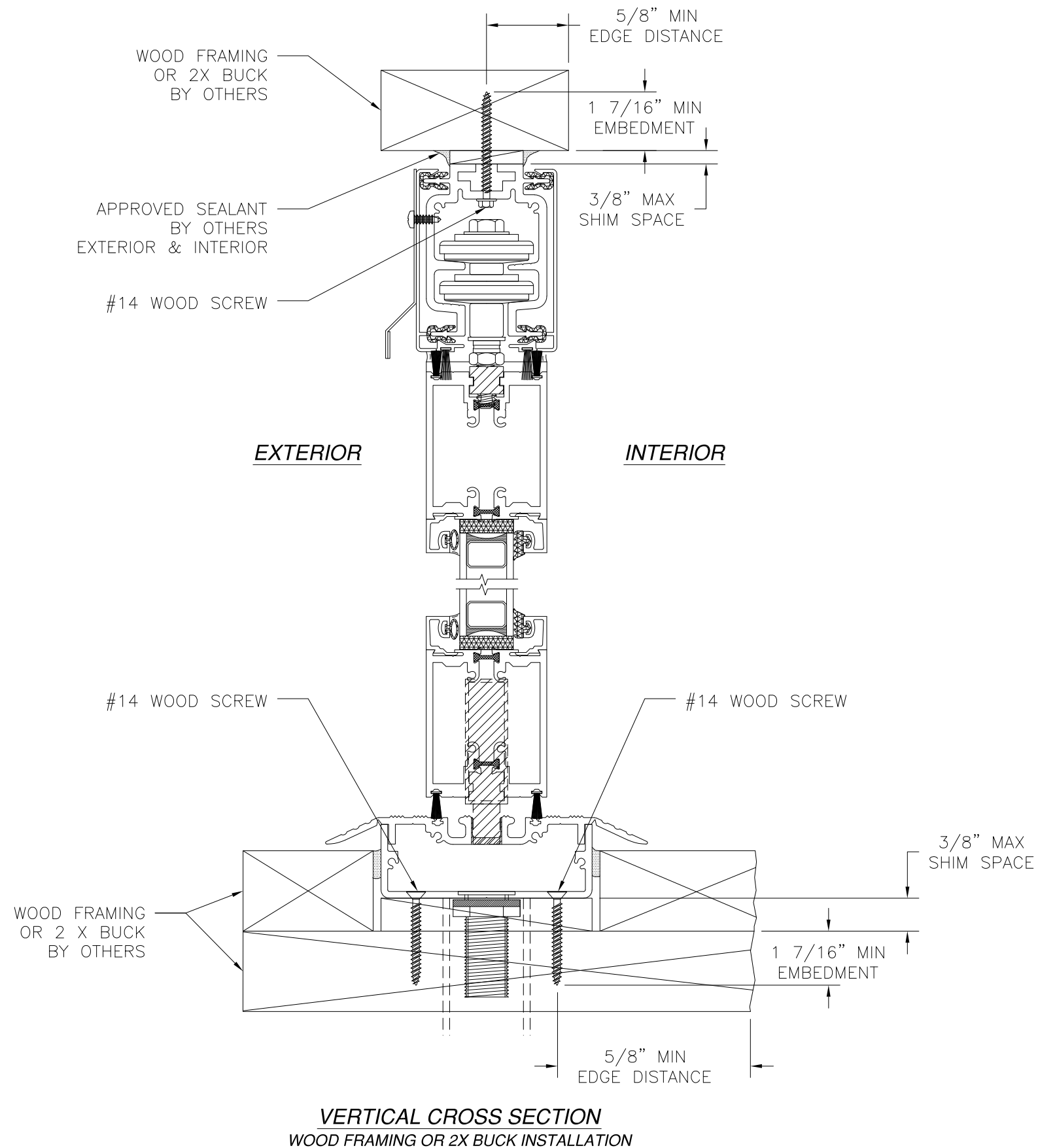
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| SERIES SI3200 STACK WALL THERMALLY BROKEN AL<br>FOLDING WALL NON-IMPACT<br>HORIZONTAL CROSS SECTIONS |                     |              |
| DRAWN:<br>TJH                                                                                        | DWG NO.<br>08-01147 | REV<br>D     |
| SCALE NTS                                                                                            | DATE 10/18/10       | SHEET 5 OF 9 |
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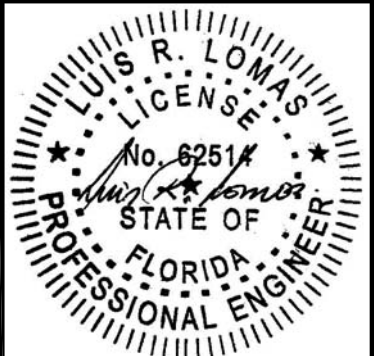
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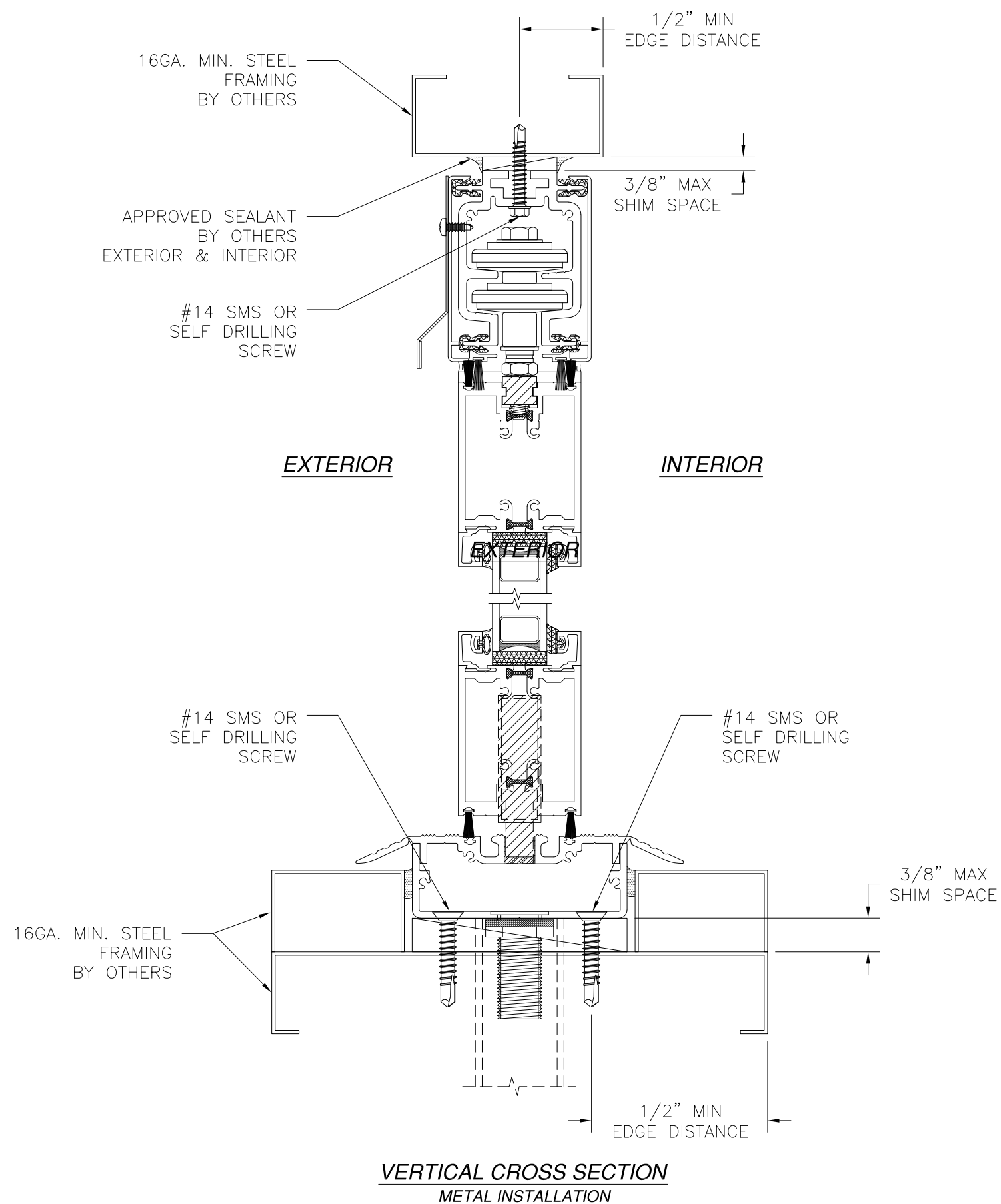
- NOTES:
- INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
  - PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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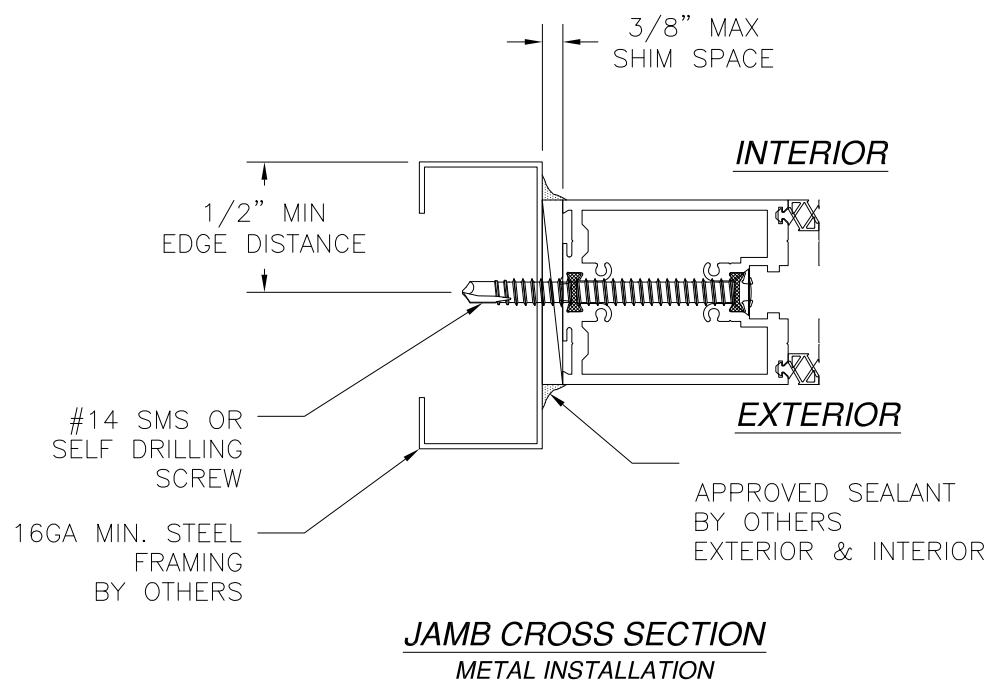
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| DRAWN:<br>TJH                                                                                     | DWG NO.<br>08-01147 | REV<br>D        |
| SCALE<br>NTS                                                                                      | DATE<br>10/18/10    | SHEET<br>6 OF 9 |
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PINE GROVE, PA 17963

SERIES SI3200 STACK WALL THERMALLY BROKEN AL  
FOLDING WALL NON-IMPACT  
INSTALLATION DETAILS

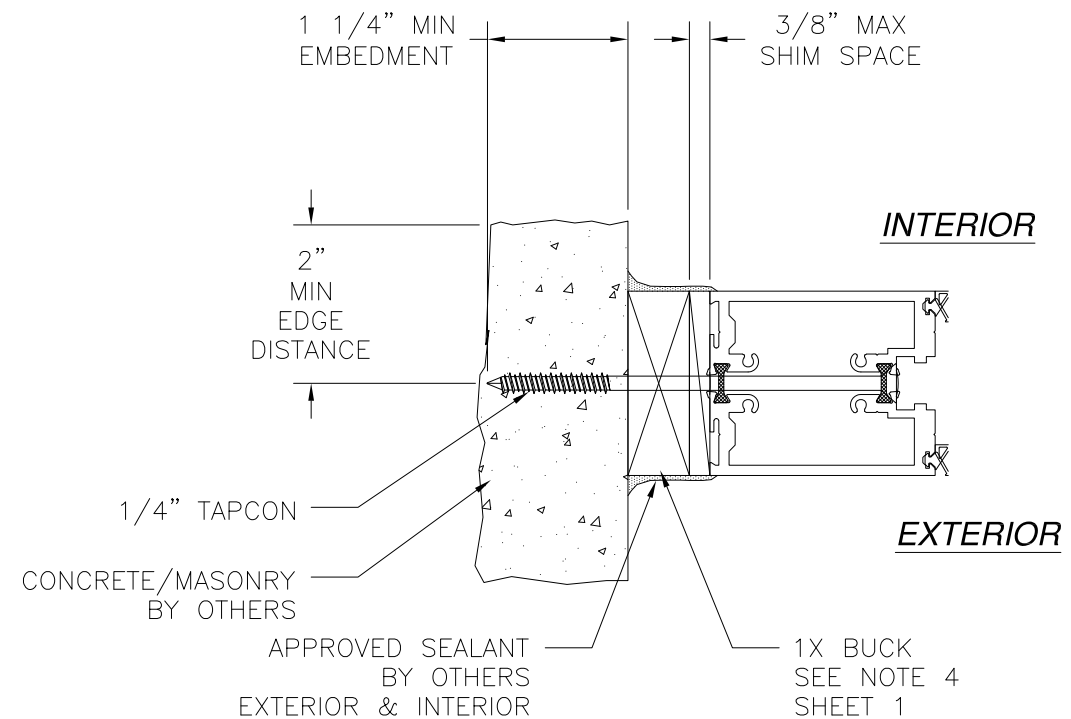
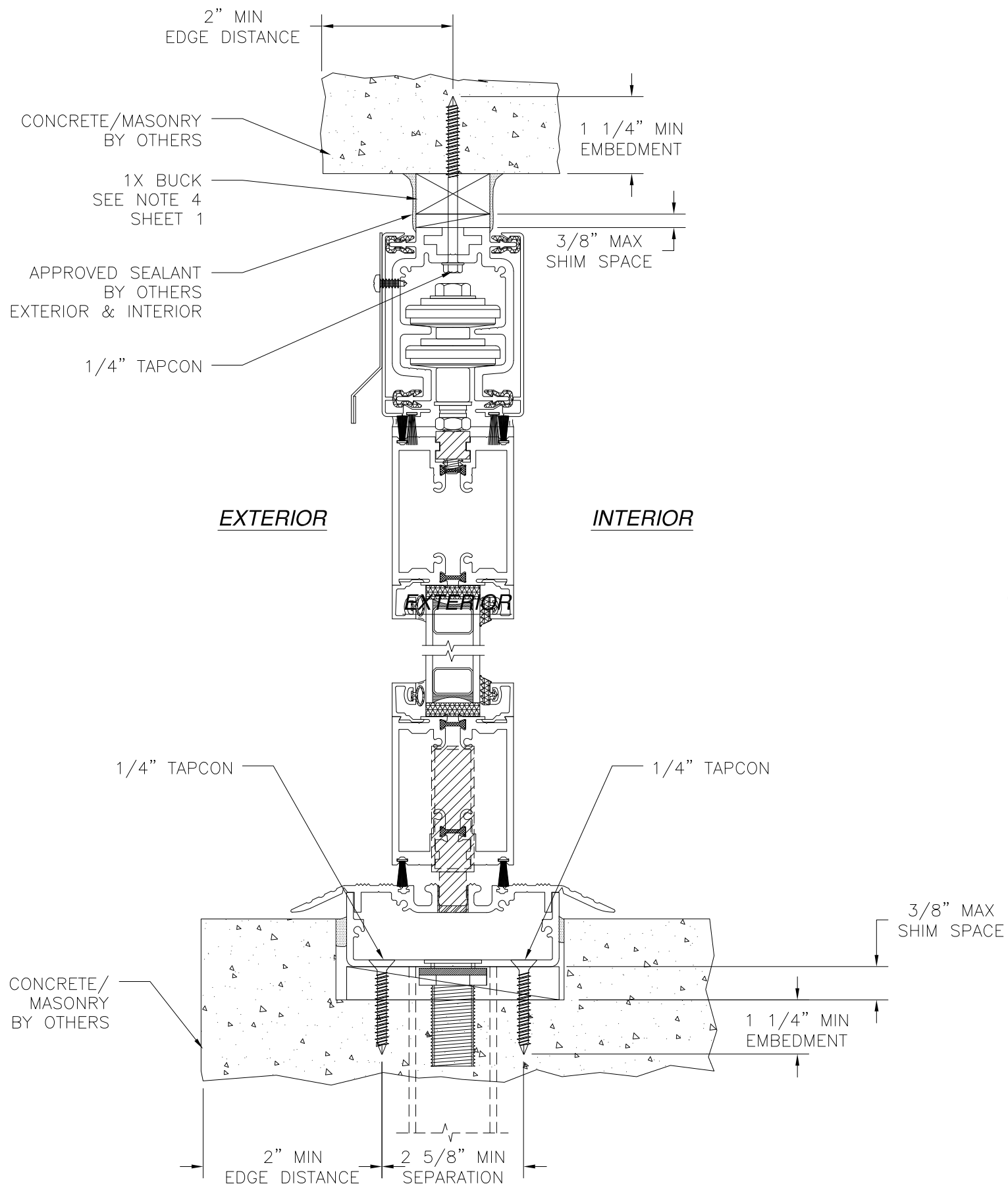
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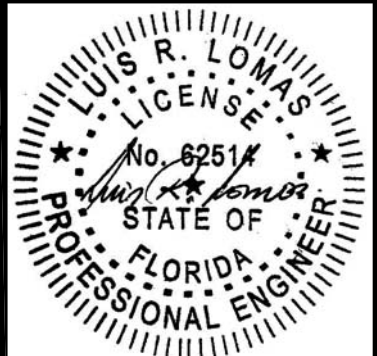
**JAMB CROSS SECTION**  
CONCRETE/MASONRY INSTALLATION

**NOTES:**

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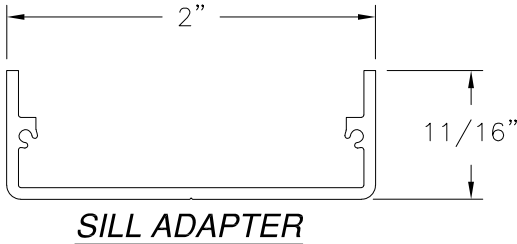
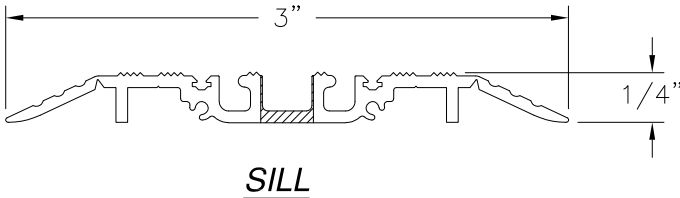
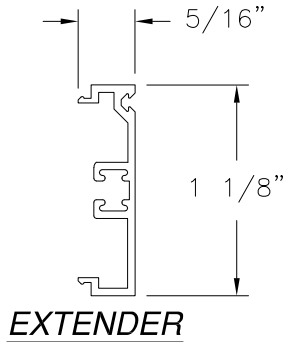
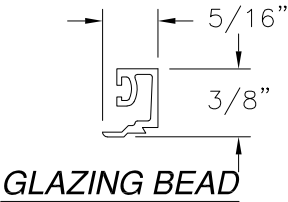
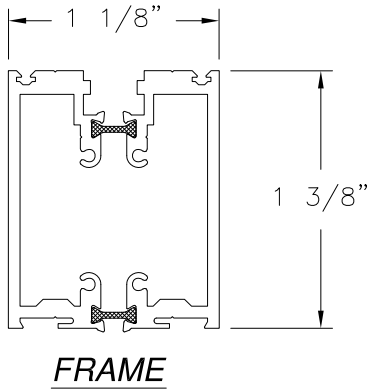
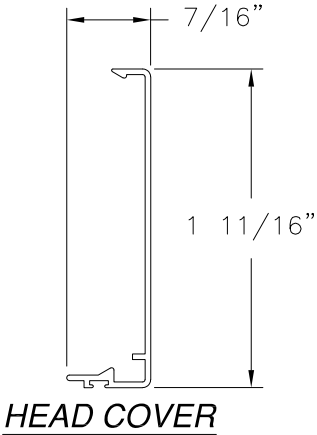
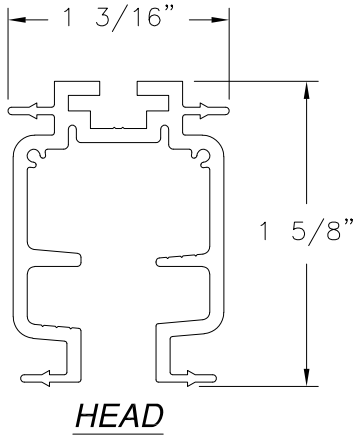
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| L. ROBERTO LOMAS P.E.<br>208 7th Ave, INDIALANTIC, FL 32903<br>434-688-0609 rllomas@lrlomaspe.com |                     |                 |



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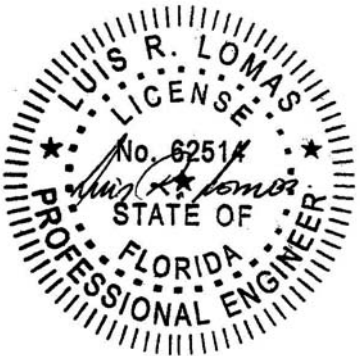
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