	REVISIONS							
REV	DESCRIPTION	DATE	APPROVED					

NOTES:

- 1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING THE HVHZ.
- 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. 1X BUCK OVER MASONRY/CONCRETE IS OPTIONAL.
- 4. WHERE SHIM OR BUCK THICKNESS IS LESS THAN 1-1/2" 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.
- 5. WHERE WOOD BUCK THICKNESS IS 1-1/2" OR GREATER, BUCK SHALL BE SECURELY FASTENED TO MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE. UNITS MAY BE ANCHORED THROUGH FRAME TO SECURED WOOD BUCK IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 6. 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.
- 7. BUCKS SHALL EXTEND BEYOND UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
- 8. 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".
- 9. SHIMS SHALL BE LOCATED, APPLIED AND MADE FROM MATERIALS AND THICKNESS CAPABLE OF SUSTAINING APPLICABLE LOADS.
- 10. WIND LOAD DURATION FACTOR Cd=1.6 WAS USED FOR WOOD ANCHOR CALCULATIONS.
- 11. FRAME MATERIAL: EXTRUDED ALUMINUM 6063-T6.
- 12. UNITS MUST BE GLAZED PER ASTM E1300-04/09, SEE SHEET 3 FOR GLASS DETAILS.
- 13. APPROVED IMPACT PROTECTIVE SYSTEM <u>IS NOT REQUIRED</u> FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.
- 14. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #12 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.

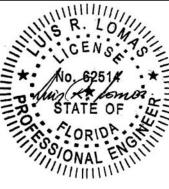
- 15. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 1/4" ELCO CRETE-FLEX TAPCONS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4" MINIMUM EMBEDMENT INTO SUBSTRATE WITH 2 1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
- 16. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE #12 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.
- 17. ALL FASTENERS TO BE CORROSION RESISTANT.
- 18. 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 2,000 PSI.
 - C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

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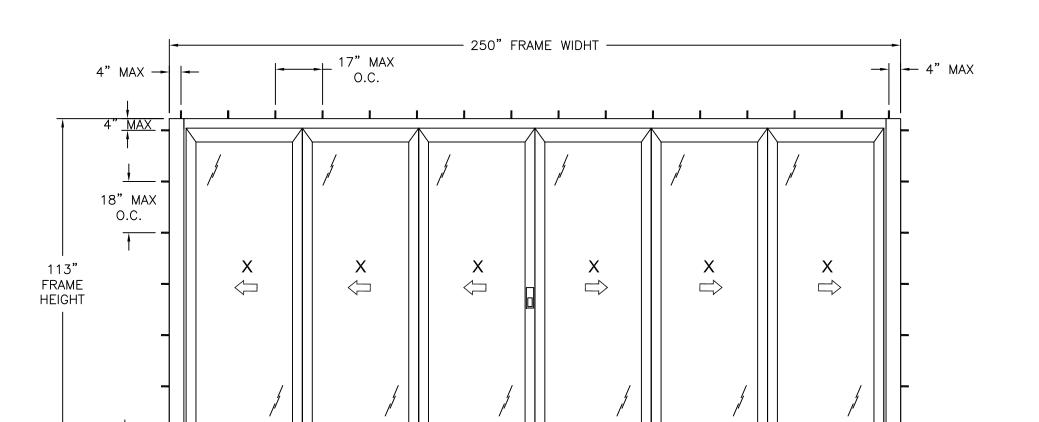
D. METAL STRUCTURE: STEEL 18GA (.048") FY=33KSI/FU=52KSI OR ALUMINUM 6063-T5 FU=30KSI .048" THICK MINIMUM

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966-130 CORPORATE BLVD. AURORA, IL 60502 TABLE OF CONTENTS 200 SERIES/MODEL 205 FOLDING OUTWARD SHEET NO. **DESCRIPTION** OPENING DOOR WITH WOOD TRIM - IMPACT NOTES 1 **NOTES** 2 **ELEVATION** DRAWN: DWG NO. 3 DESIGN PRESSURE CHARTS AND GLAZING DETAIL 08-03190 A.R. DATE 10/23/17 SCALE NTS 4 CROSS SECTIONS OF 9 L. ROBERTO LOMAS P.E. 5 - 7INSTALLATION DETAILS 1432 WOODFORD RD LEWISVILLE, NC 27023 8 - 9 COMPONENTS 434-688-0609 rllomas@lrlomaspe.com



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



200 SERIES/MODEL 205 FOLDING OUTWARD DOOR

EXTERIOR VIEW

UNLIMITED NUMBER OF PANELS IN UNLIMITED CONFIGURATIONS ARE APPROVED AS LONG AS INDIVIDUAL PANEL AREA DOES NOT EXCEED 30.08 FT² AND USES VERTICAL CONDITIONS AS SHOWN IN APPROVAL DRAWING, AND MAXIMUM FRAME AREA DOES NOT EXCEED 294.27FT²

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

8" MAX.

O.C.

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ WHERE WATER RESISTANCE IS REQUIRED SEE CHART #1, SHEET 3

DESIGN PRESSURE RATING	IMPACT RATING
±55.0PSF	LARGE AND SMALL MISSILE IMPACT

MISSILE LEVEL D, WIND ZONE 4, AND HVHZ WHERE WATER RESISTANCE IS NOT REQUIRED SEE CHART #2, SHEET 3

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NOTES:

1. PANEL SIZE: 39 3/4" x 109"

4" MAX →

2. D.L.O.: 33" x 99 1/2"

	HARDWARE SCHEDULE							
	(6) CONCEALED HINGES, 7 1/4" FROM TOP AND BOTTOM AND 7 1/4" MAX O.C.							
	(2) INTERMEDIATE CARRIER AT TOP OF CENTER PANEL OF EACH SIDE							
C.	(2) CENTER INTERMEDIATE HINGE, LOCATED BETWEEN TOP CARRIER AND BOTTOM GUIDE							
	(8) COVER PLATES AT TOP CARRIER AND BOTTOM GUIDE							
	(2) TOP PIVOT HINGE AND (2) BOTTOM PIVOT HINGE AT LEFT AND RIGHT SIDE OF JAMBS							
F.	(1) EXTERNAL CYLINDER AND INTERNAL SNIB, 32" FROM SILL WITH KEEPER SYSTEM							
G.	(1) AUTO LATCH LOCKS, 32" FROM SILL AT TOP AND BOTTOM LEFT CORNERS OF INTERMEDIATE PANELS							
Н.	(1) ALUMINUM REINFORCEMENT BAR AT JAMB STILE							

CENTOR NORTH AMERICA INC. 966-130 CORPORATE BLVD. AURORA, IL 60502
200 SERIES/MODEL 205 FOLDING OUTWARD

- 4" MAX

OPENING DOOR WITH WOOD TRIM — IMPACT ELEVATION

DRAWN:
A.R.

DWG NO.

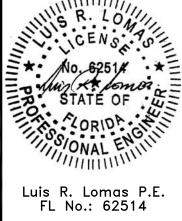
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DATE 10/23/17

SHEET 2 OF 9

L. ROBERTO LOMAS P.E. 1432 WOODFORD RD LEWISVILLE, NC 27023 434-688-0609 rllomas@lrlomaspe.com



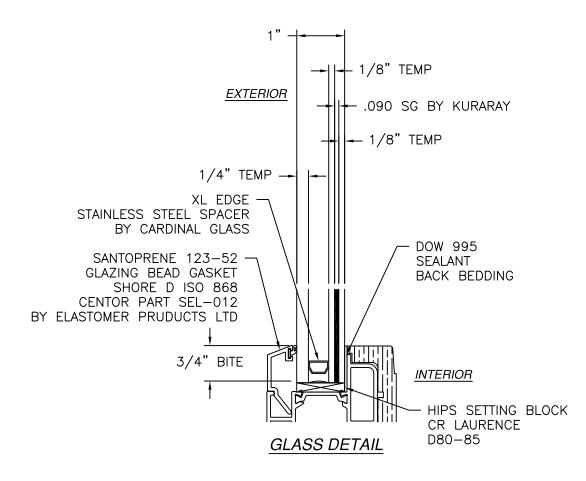
	REVISIONS								
REV	DESCRIPTION	DATE	APPROVED						

CHART #1, WHERE WATER RESISTANCE IS REQUIRED

	Maximum Design pressure (psf)													
Panel		Single Panel Width (in)												
Height	24	1.0	30	30.0		36.0		39.75		2.0	48.0			
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg		
78.0	55.7	82.5	55.7	82.5	55.7	82.5	55.7	76.9	55.7	72.7	55.7	63.6		
84.0	55.7	82.5	55.7	82.5	55.7	78.8	55.7	71.4	55.7	67.5	55.7	59.1		
90.0	55.7	82.5	55.7	82.5	55.7	73.5	55.7	66.6	55.7	63.0	55.2	55.2		
96.0	55.7	82.5	55.7	80.2	55.7	69.0	55.7	62.4	55.7	59.1	-	-		
102.0	55.7	82.5	55.7	74.7	55.7	64.4	55.7	58.8	55.6	55.6	-	-		
109.0	55.7	82.5	55.7	69.1	55.7	59.5	55.0	55.0	-	-	-	-		
114.0	55.7	76.8	55.7	62.1	52.4	52.4	-	-	-	-	-	-		
120.0	55.7	65.7	53.1	53.1	44.7	44.7	-	-	-	-	-	-		
126.0	55.7	56.7	45.7	45.7	-	-	-	-	-	-	-	-		
132.0	49.2	49.2	39.7	39.7	-	-	-	-	-	-	-	-		
138.0	43.1	43.1	34.7	34.7	-	-	-	-	-	-	-	-		
144.0	37.9	37.9	30.5	30.5	-	-	-	-	-	-	-	-		

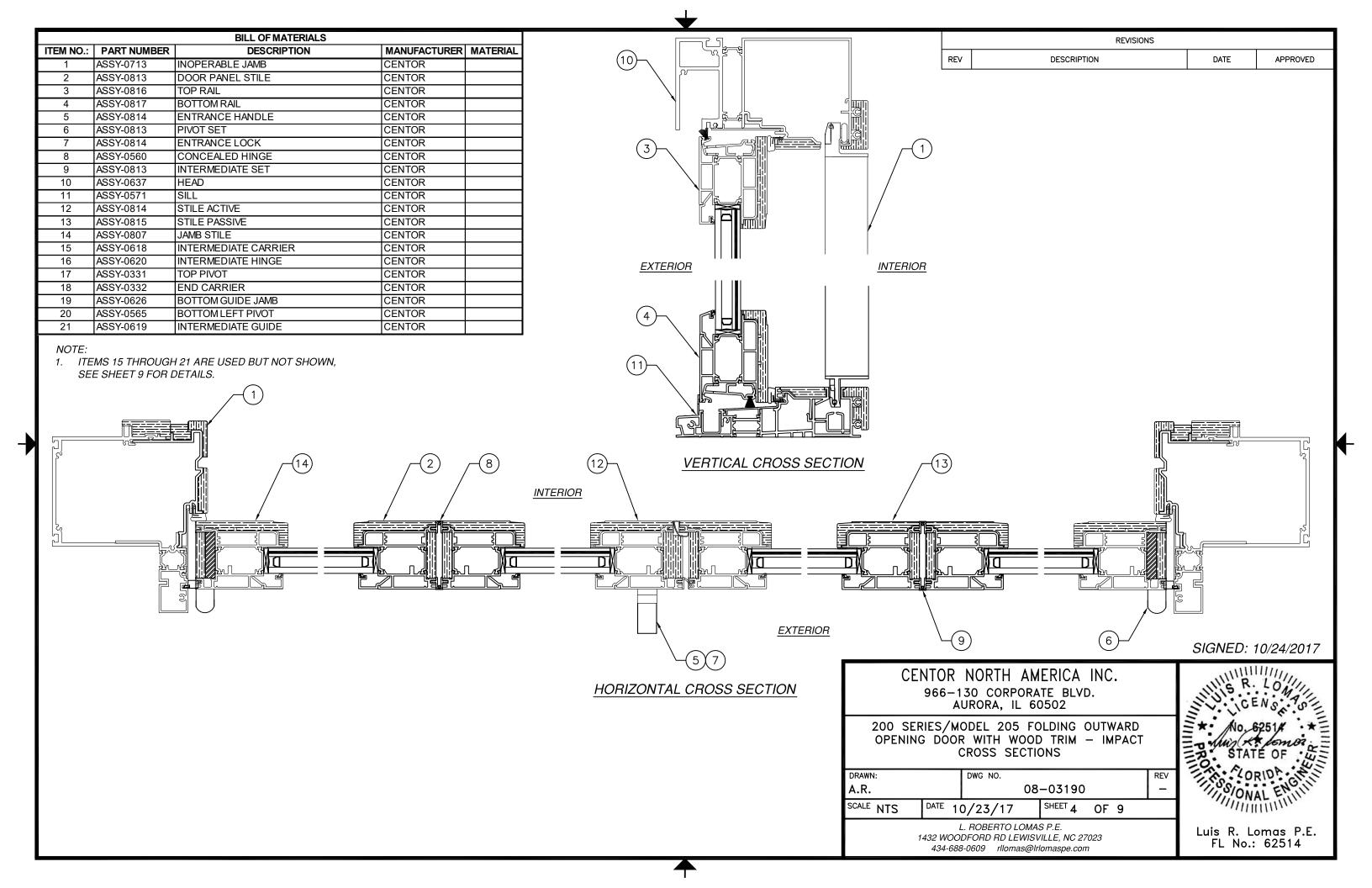
CHART #2, WHERE WATER RESISTANCE IS NOT REQUIRED

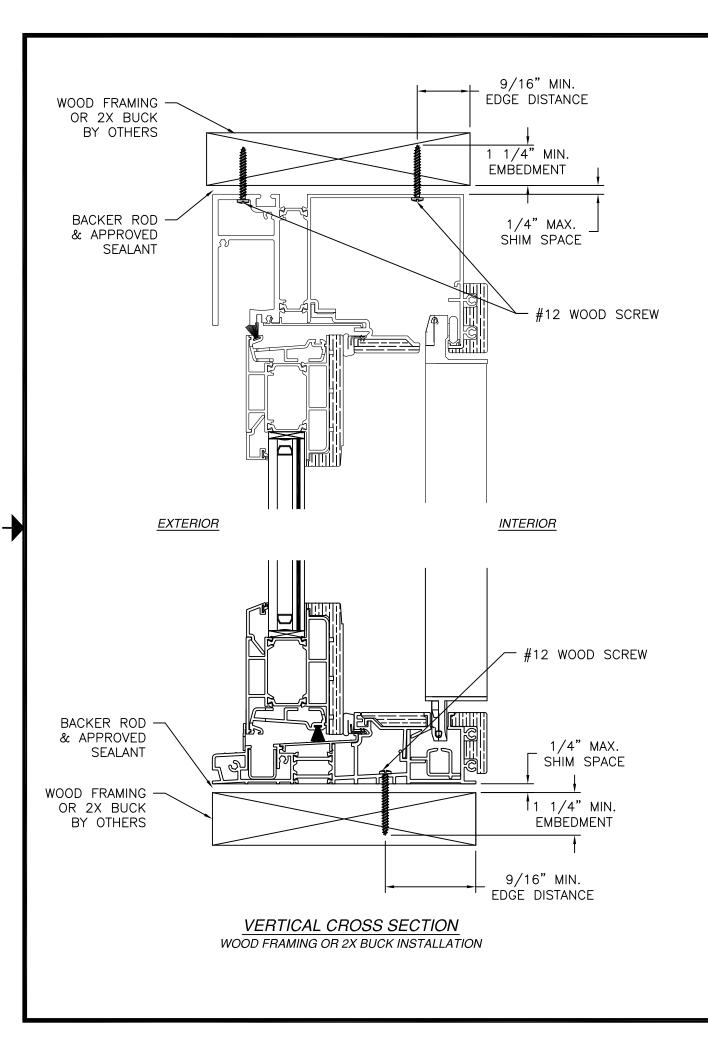
Maximum Design pressure (psf)												
Panel	Single Panel Width (in)											
Height	24	.0	30	30.0		36.0		39.75		2.0	48.0	
(in)	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg	Pos	Neg
78.0	82.5	82.5	82.5	82.5	82.5	82.5	76.9	76.9	72.7	72.7	63.6	63.6
84.0	82.5	82.5	82.5	82.5	78.8	78.8	71.4	71.4	67.5	67.5	59.1	59.1
90.0	82.5	82.5	82.5	82.5	73.5	73.5	66.6	66.6	63.0	63.0	55.2	55.2
96.0	82.5	82.5	80.2	80.2	69.0	69.0	62.4	62.4	59.1	59.1	-	-
102.0	82.5	82.5	74.7	74.7	64.4	64.4	58.8	58.8	55.6	55.6	-	-
109.0	82.5	82.5	69.1	69.1	59.5	59.5	55.0	55.0	-	-	-	-
114.0	76.8	76.8	62.1	62.1	52.4	52.4	-	-	-	-	-	-
120.0	65.7	65.7	53.1	53.1	44.7	44.7	-	-	-	-	-	-
126.0	56.7	56.7	45.7	45.7	-	-	-	-	-	-	-	-
132.0	49.2	49.2	39.7	39.7	-	-	-	-	-	-	-	-
138.0	43.1	43.1	34.7	34.7	-	-	-	-	ı	-	-	-
144.0	37.9	37.9	30.5	30.5	-	-	-	-	-	-	-	-

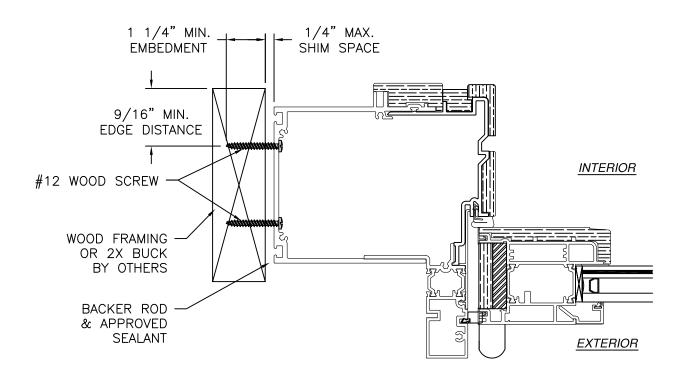


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1	432 WOO 434-688	Luis R. Lomas P.E. FL No.: 62514				







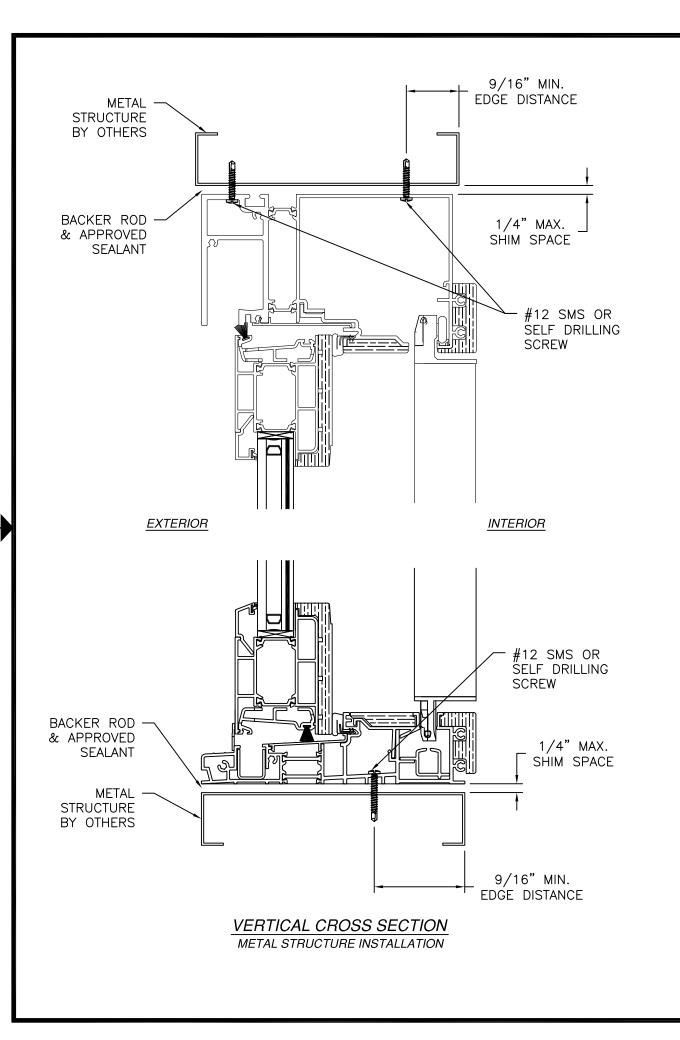
JAMB INSTALLATION DETAIL WOOD FRAMING OR 2X BUCK INSTALLATION

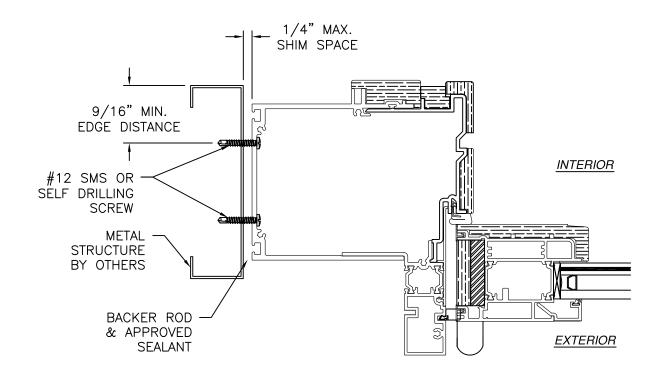
NOTES:

- 1. INTERIOR AND EXTERIOR FINISHES, BY OTHERS, NOT SHOWN FOR CLARITY.
- 2. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112

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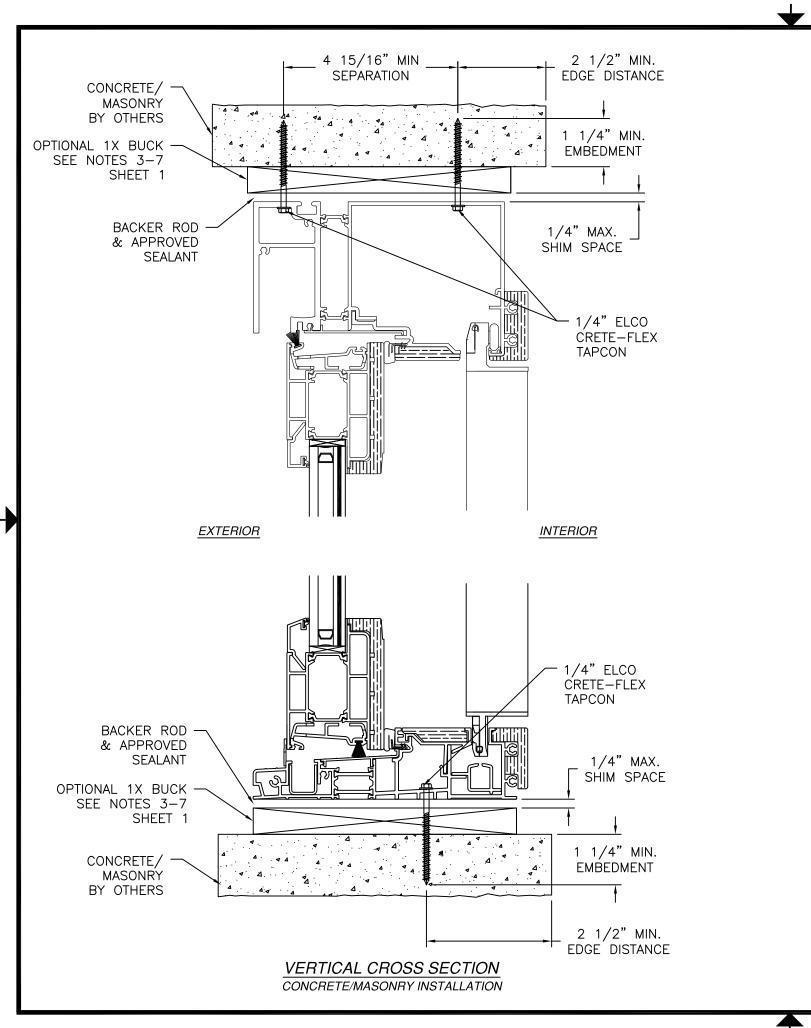
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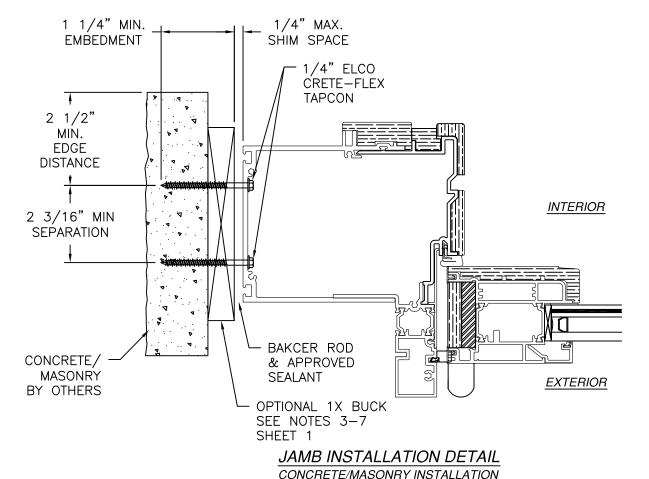
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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

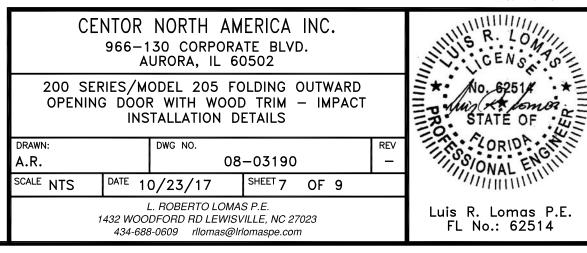


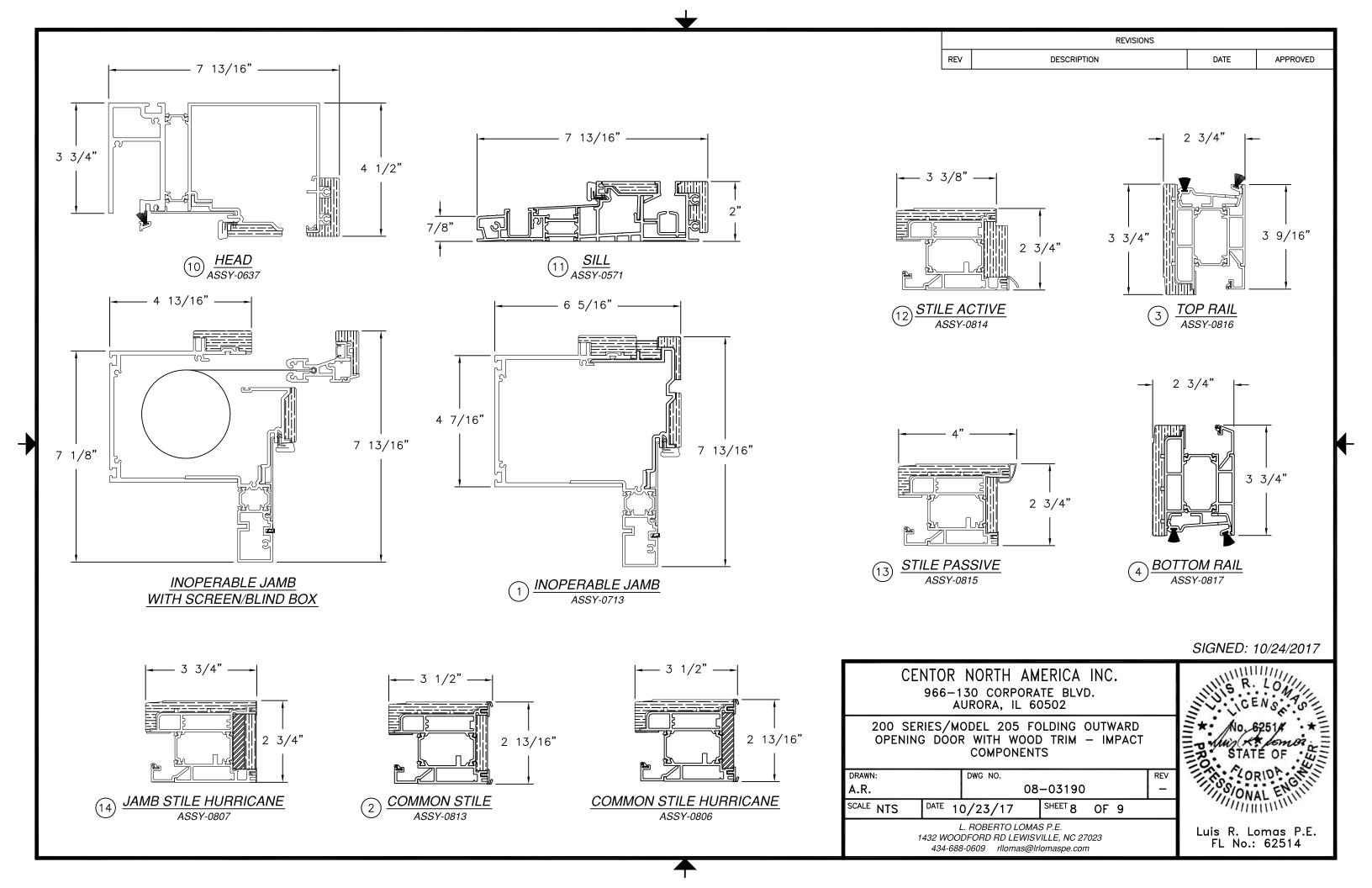


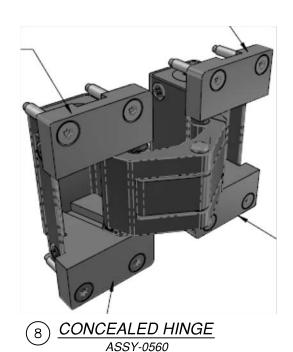
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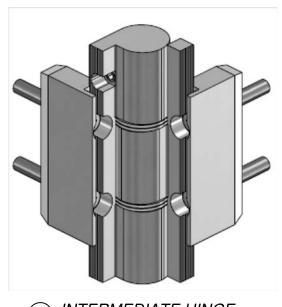
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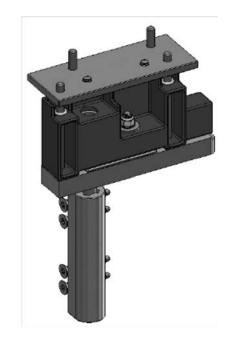






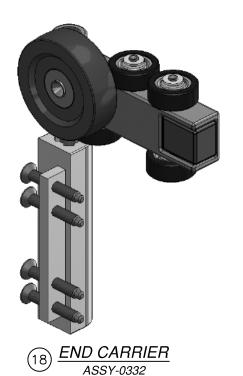


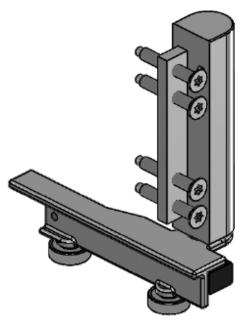




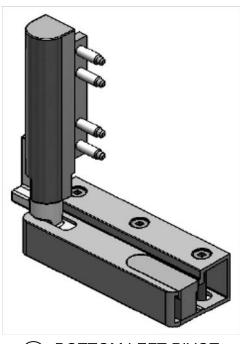
(16) <u>INTERMEDIATE HINGE</u> ASSY-0620

 $17 \frac{TOP\ PIVOT}{ASSY-0331}$

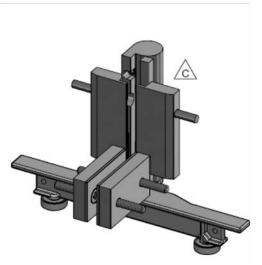








 $\bigcirc 0 \ \underline{ BOTTOM\ LEFT\ PIVOT}_{ASSY-0565}$



21) <u>INTERMEDIATE GUIDE</u>
ASSY-0619

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CENTOR NORTH AMERICA INC. 966-130 CORPORATE BLVD. AURORA, IL 60502

200 SERIES/MODEL 205 FOLDING OUTWARD OPENING DOOR WITH WOOD TRIM — IMPACT COMPONENTS

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A.R.

DWG NO.

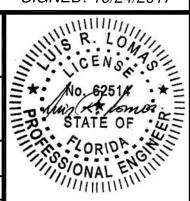
08-03190

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DATE 10/23/17

SHEET 9 OF 9

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

