

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH REQUIREMENTS OF THE FLORIDA BUILDING CODE.
2. WOOD FRAMING, METAL STRUCTURE 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” 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. 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 UNIT FRAME INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
7. SHIM AS NEEDED 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: ALUMINUM 6063–T6.
11. UNITS MUST BE GLAZED PER ASTM E1300 WITH SAFETY GLAZING.
12. APPROVED IMPACT PROTECTIVE SYSTEM IS REQUIRED FOR THIS PRODUCT IN WIND BORNE DEBRIS REGIONS.

13. FOR ANCHORING THROUGH FRAME INTO WOOD FRAMING OR 2X BUCK USE #10 WOOD SCREWS WITH SUFFICIENT LENGTH TO ACHIEVE A 1 1/4” MINIMUM EMBEDMENT INTO SUBSTRATE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS.
14. FOR ANCHORING THROUGH FRAME INTO MASONRY/CONCRETE USE 3/16” 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 #10 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:

17.1. WOOD: MINIMUM SPECIFIC GRAVITY OF G=0.42

17.2. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.

17.3. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm=2,000PSI MINIMUM.

17.4. METAL STRUCTURE: STEEL 18GA (.048”) FY=33KSI/FU=52KSI OR ALUMINUM 6063–T5 FU=30KSI 1/8” THICK MINIMUM
18. THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND MUST BE INSTALLED IN LOCATIONS WHERE WATER PENETRATION RESISTANCE IS NOT REQUIRED.

SIGNED: 04/16/2024

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2	ELEVATION AND DESIGN PRESSURE CHART
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C.R. LAURENCE CO., INC.
2503 E. VERNON AVE,
LOS ANGELES, CA 90058

ENTICE HP+ SINGLE SIDE HINGED DOOR
NON-IMPACT
NOTES

DRAWN:
A.R.

DWG NO.
08-04018

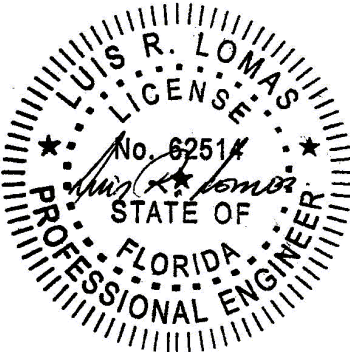
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SCALE NTS

DATE 03/25/2024

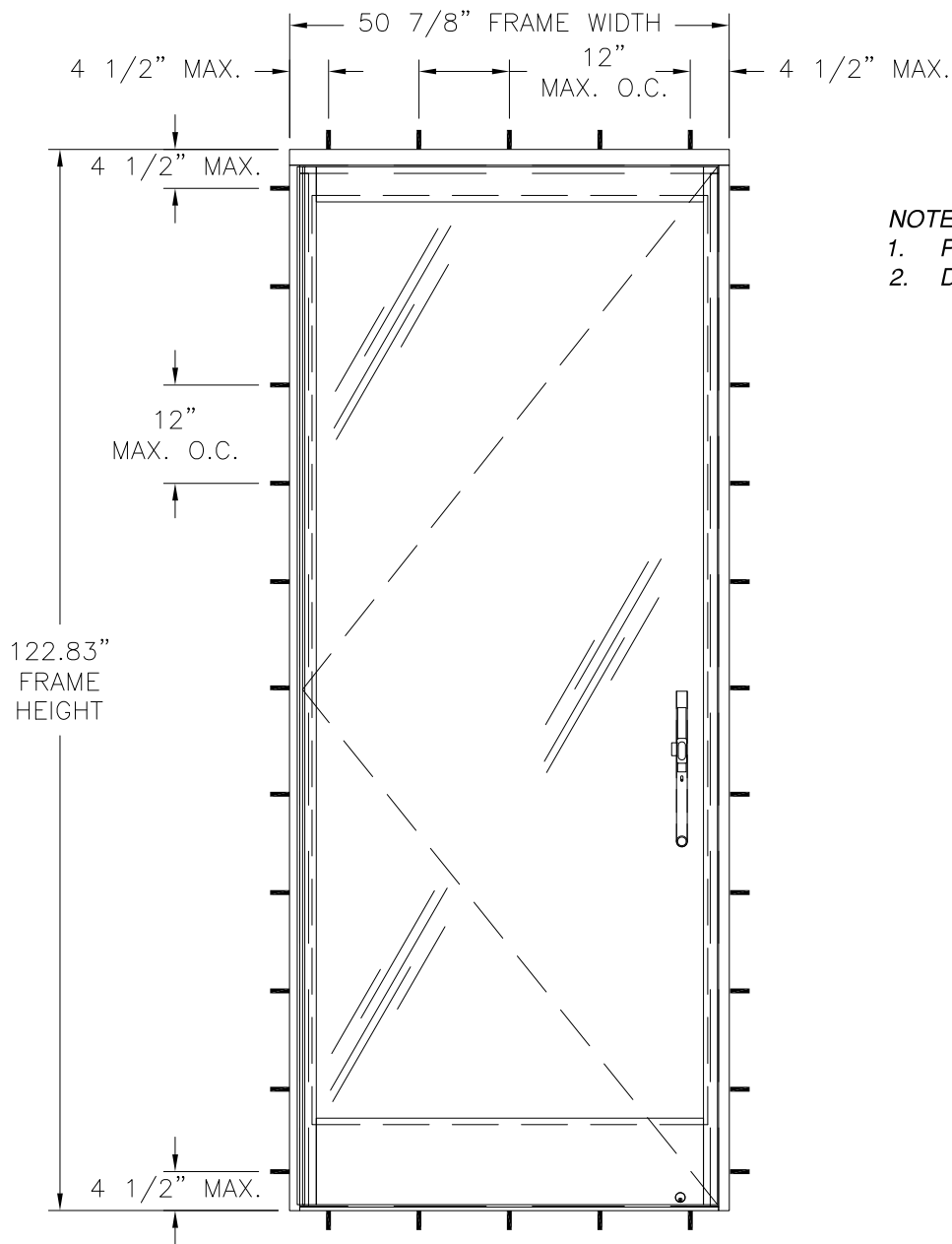
SHEET 1 OF 7

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



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

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- NOTES:
- PANEL SIZE: 48 1/32" X 120 5/64"
 - D.L.O. SIZE: 44 7/8" X 105 29/32"

Chart #1
Rating chart (psf)

Frame Height (in)	Frame width (in)							
	27.00	30.00	36.00	42.00	48.00	50.88	54.00	60.00
80.00	45.0	45.0	43.5	39.2	36.0	34.7	33.5	31.5
84.00	45.0	45.0	42.8	38.5	35.3	34.1	32.8	30.8
90.00	45.0	45.0	42.0	37.7	34.5	33.2	32.0	30.0
96.00	45.0	45.0	41.2	36.9	33.7	32.5	31.2	29.2
102.00	45.0	45.0	40.6	36.3	33.1	31.8	30.6	28.6
108.00	45.0	45.0	40.0	35.7	32.5	31.2	30.0	-
114.00	45.0	45.0	39.4	35.2	32.0	30.7	29.5	-
120.00	45.0	45.0	39.0	34.7	31.5	30.2	-	-
122.83	45.0	44.8	38.8	34.5	31.3	30.0	-	-
132.00	45.0	44.2	38.2	33.8	-	-	-	-
138.00	45.0	43.8	37.7	32.3	-	-	-	-
144.00	45.0	43.4	36.2	31.0	-	-	-	-

Design pressures are positive and negative

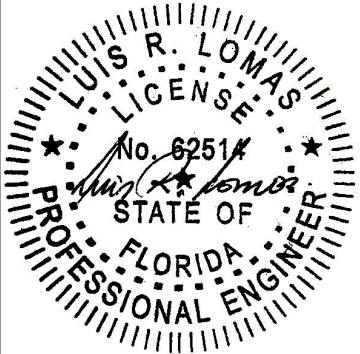
DESIGN PRESSURE RATING	IMPACT RATING
±30.0PSF	NONE
THIS SYSTEM WAS NOT TESTED FOR WATER INFILTRATION AND MUST BE INSTALLED ONLY WHERE WATER RESISTANCE IS NOT REQUIRED	

FOR OTHER SIZES APPROVED, SEE CHART #1 THIS SHEET

HARDWARE SCHEDULE (SINGLE UNIT)	
A.	(1) DROP DOWN DROP SEAL (EDS) AT SILL
B.	(1) DEAD BOLT (777SL), 4 1/4" FROM LEFT JAMB AT HEAD OF OPERABLE PANEL
C.	(1) DEAD BOLT, DB160J(3/4)EKBS, 4 1/4" FROM LEFT JAMB AT SILL OF OPERABLE PANEL
D.	(1) CONTINUOUS HINGE (DH492) AT RIGHT JAMB
E.	(1) STRIKE PLATE (AMR207), 4 1/4" FROM LEFT JAMB AT SILL
F.	(1) STRIKE PLATE (DBSTOP), 4 1/4" FROM LEFT JAMB AT HEAD

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C.R. LAURENCE CO., INC. 2503 E. VERNON AVE, LOS ANGELES, CA 90058		
ENTICE HP+ SINGLE SIDE HINGED DOOR NON-IMPACT ELEVATION AND DESIGN PRESSURE CHART		
DRAWN: A.R.	DWG NO. 08-04018	REV -
SCALE NTS	DATE 03/25/2024	SHEET 2 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

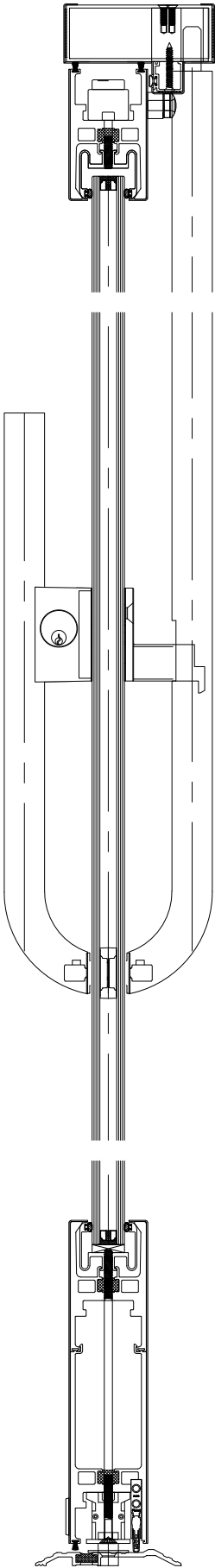


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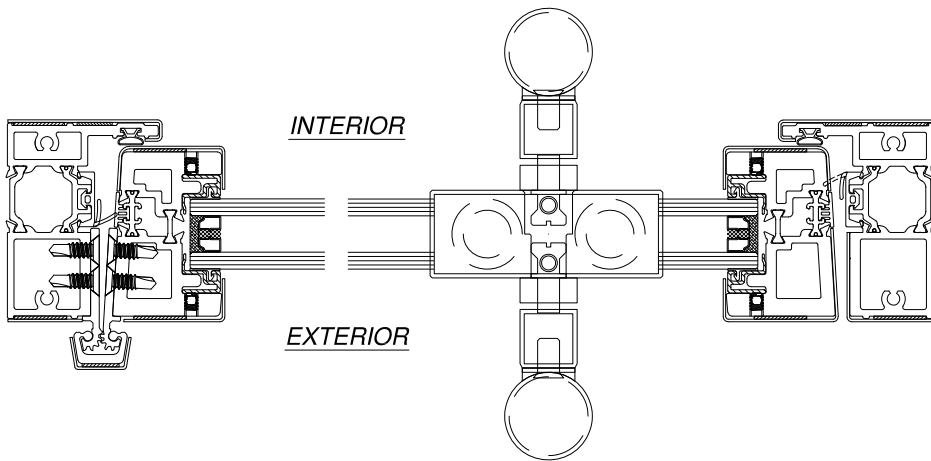
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EXTERIOR

INTERIOR



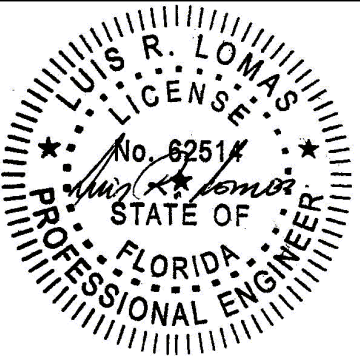
VERTICAL CROSS SECTION



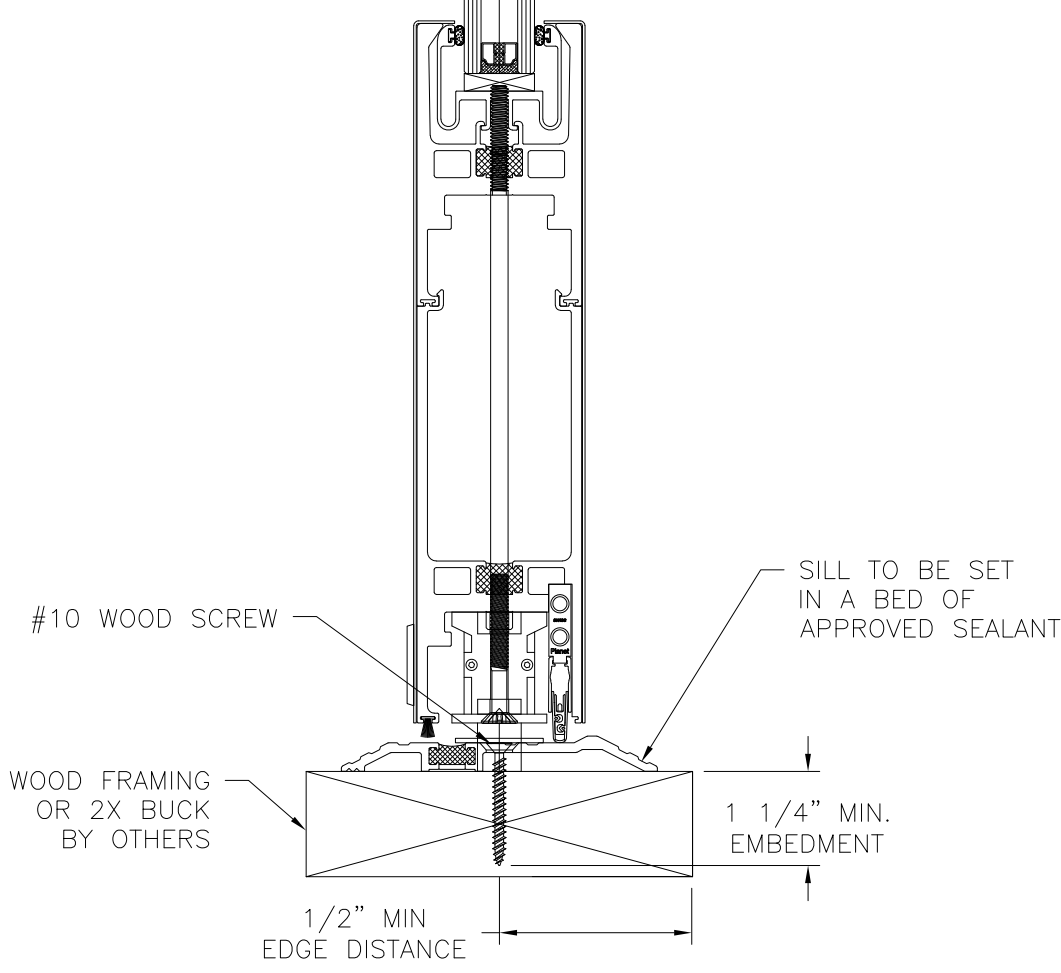
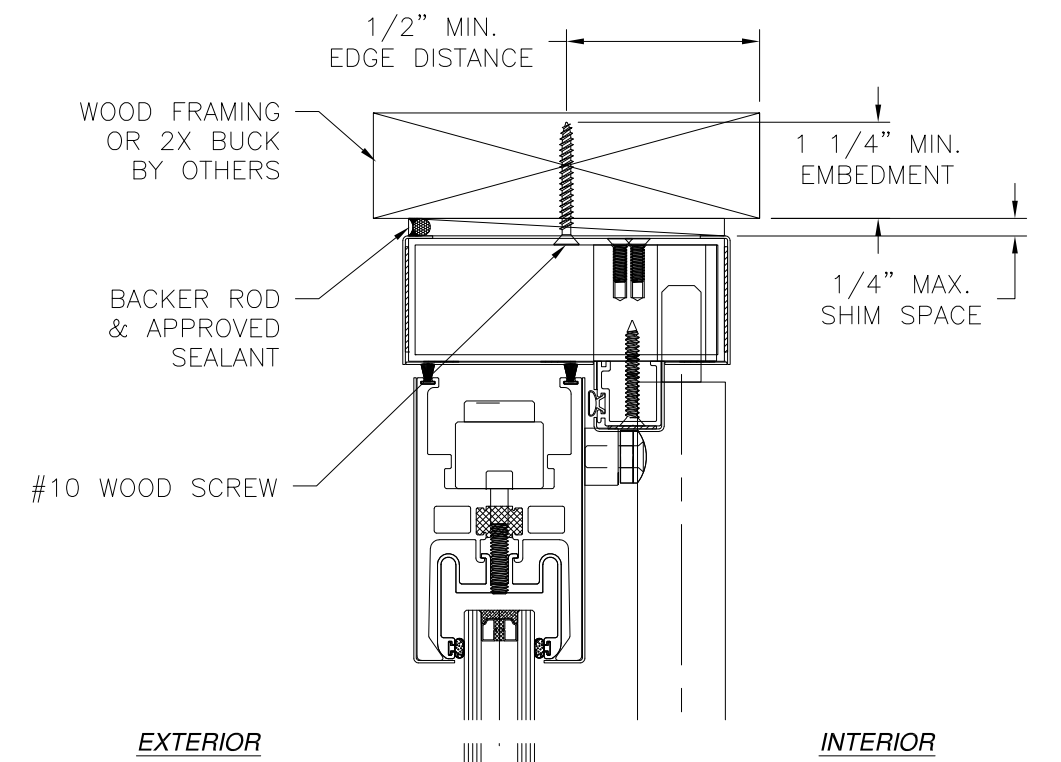
HORIZONTAL CROSS SECTION

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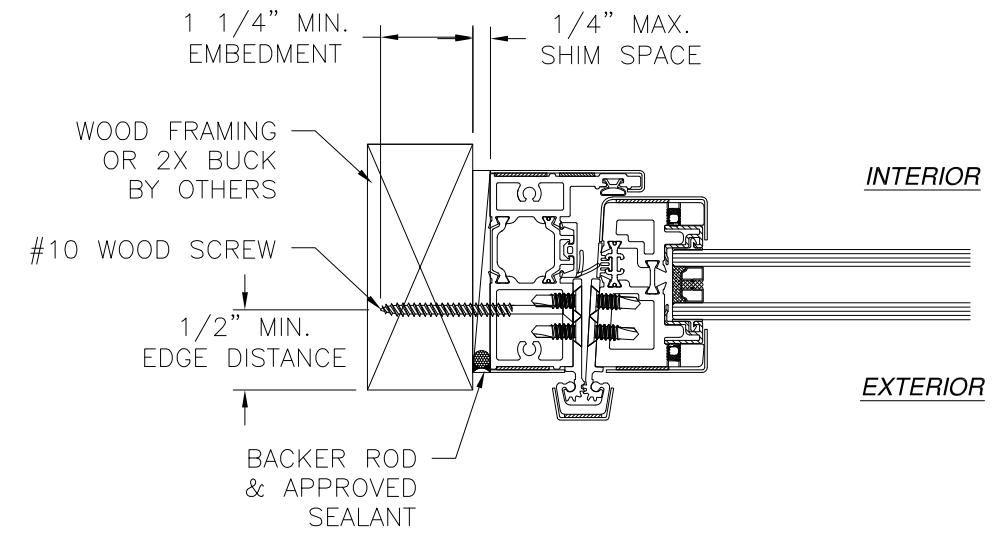
C.R. LAURENCE CO., INC. 2503 E. VERNON AVE, LOS ANGELES, CA 90058		
ENTICE HP+ SINGLE SIDE HINGED DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04018	REV -
SCALE NTS	DATE 03/25/2024	SHEET 3 OF 7
L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		



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VERTICAL CROSS SECTION
WOOD FRAMING OR 2X BUCK INSTALLATION



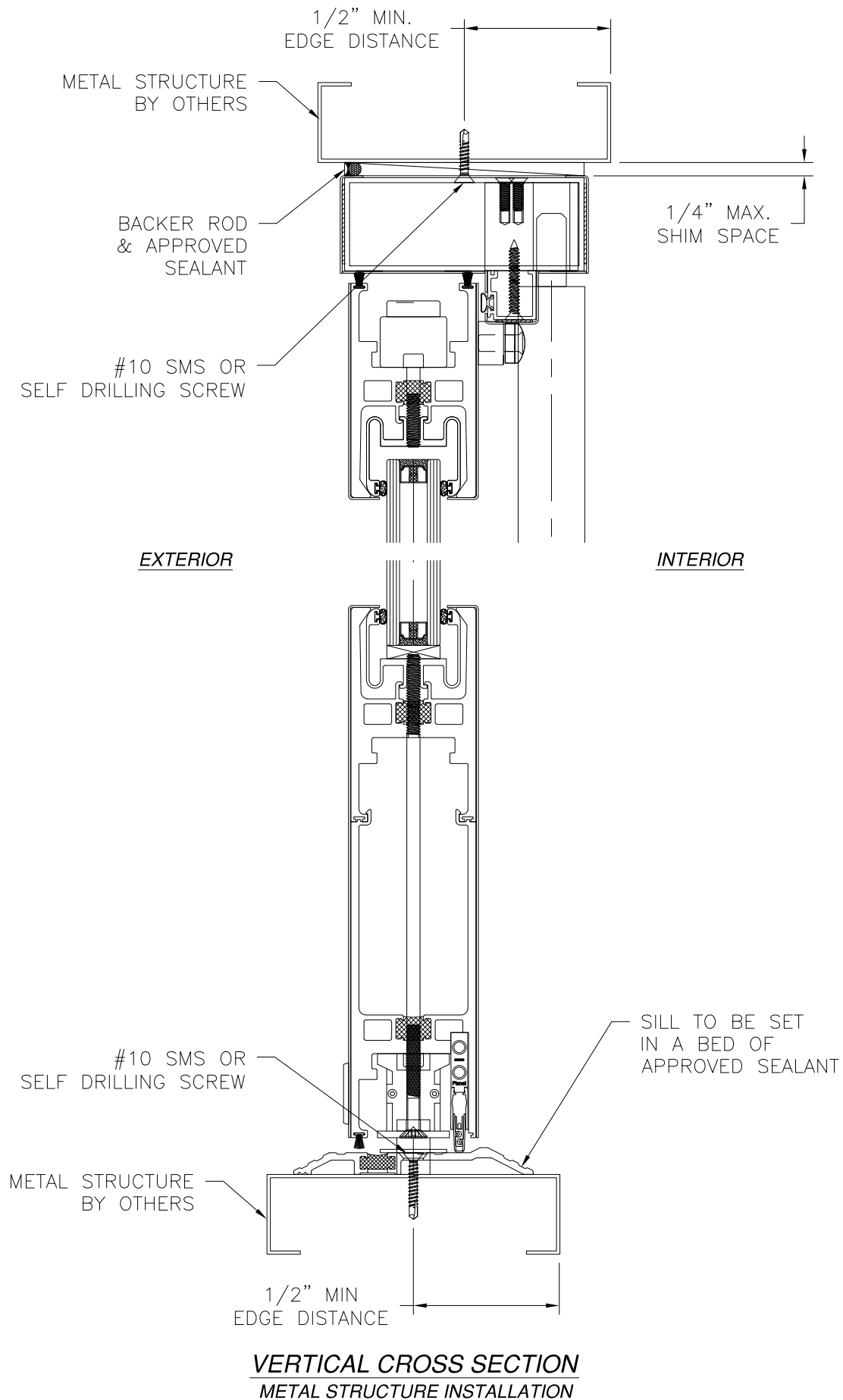
JAMB INSTALLATION DETAIL
WOOD FRAMING OR 2X BUCK INSTALLATION

- 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

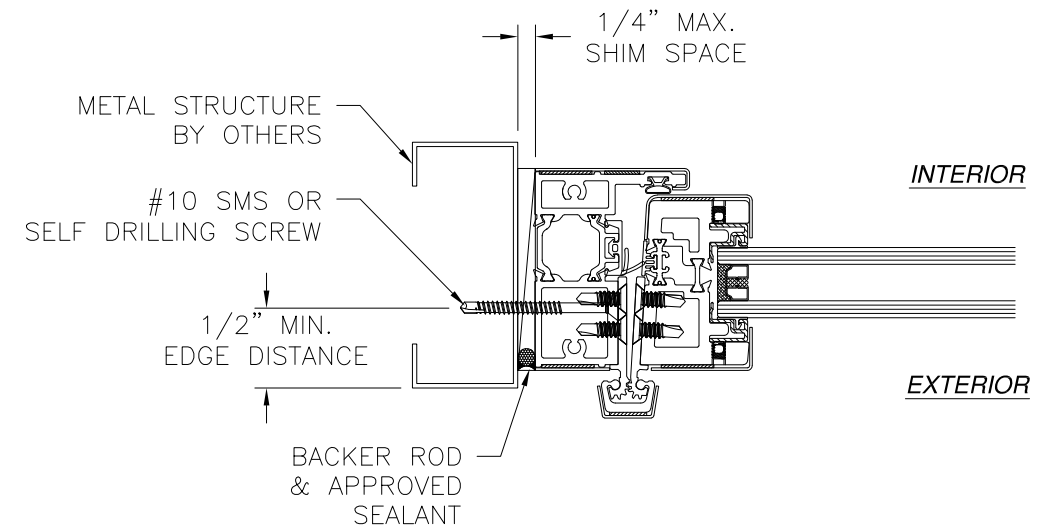
C.R. LAURENCE CO., INC. 2503 E. VERNON AVE, LOS ANGELES, CA 90058		
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L. ROBERTO LOMAS P.E. 208 7th Ave, INDIALANTIC, FL 32903 434-688-0609 rllomas@lrlomaspe.com		

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JAMB INSTALLATION DETAIL
METAL STRUCTURE INSTALLATION

NOTES:

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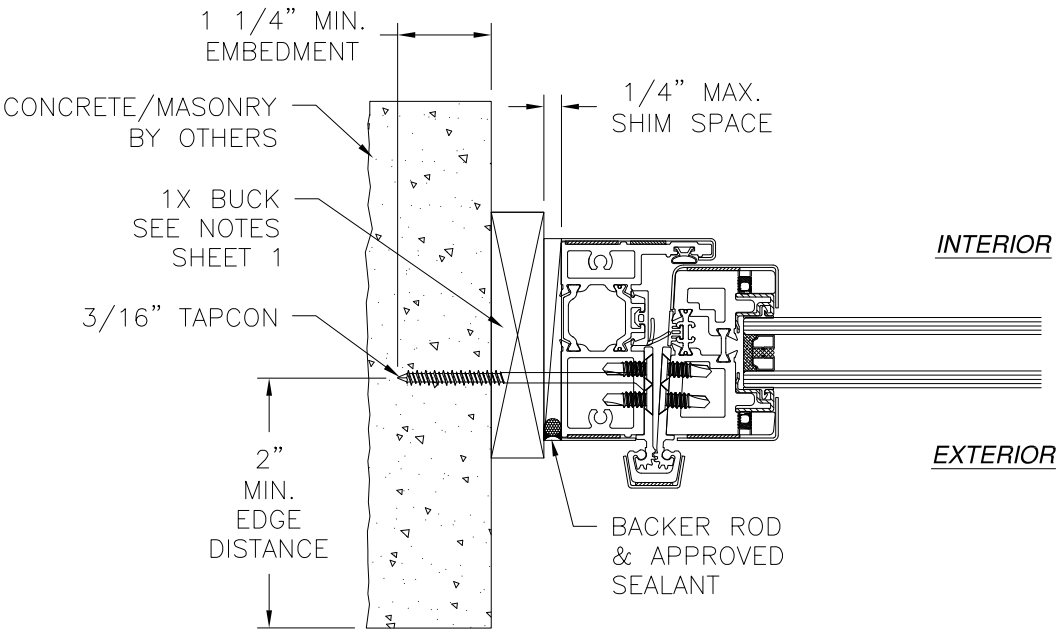
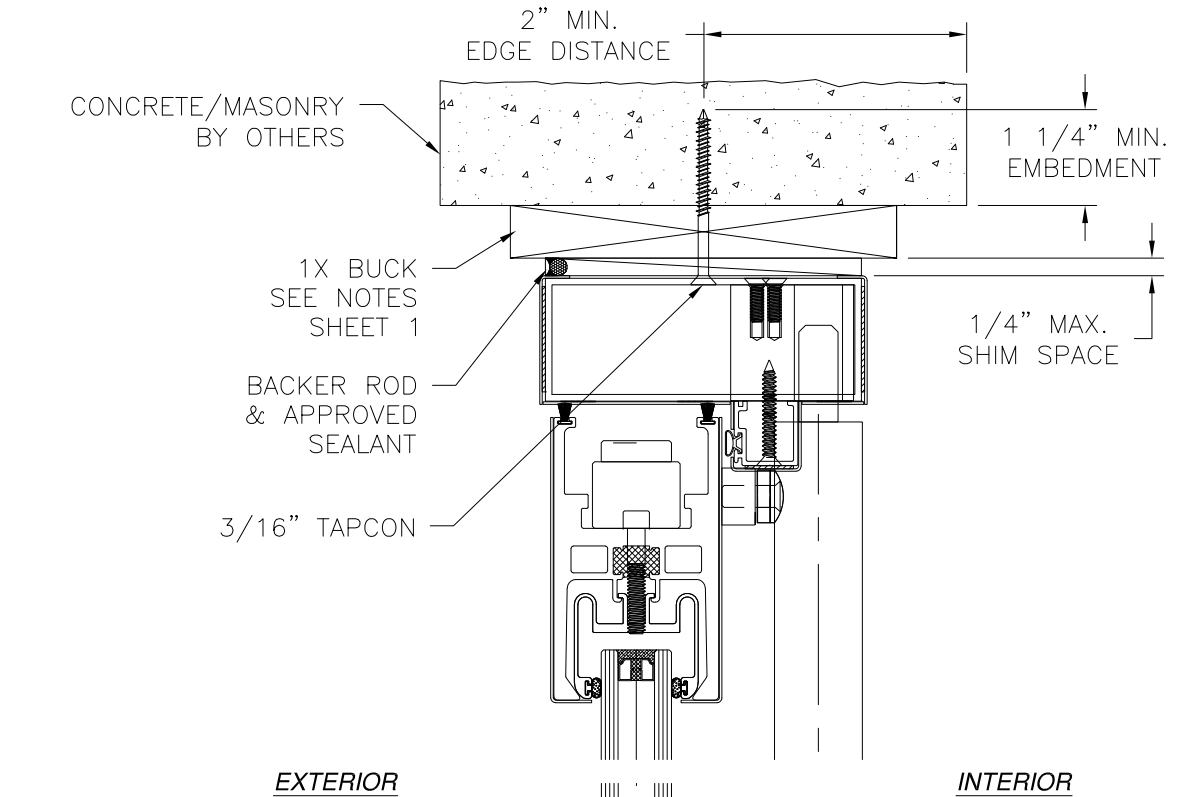
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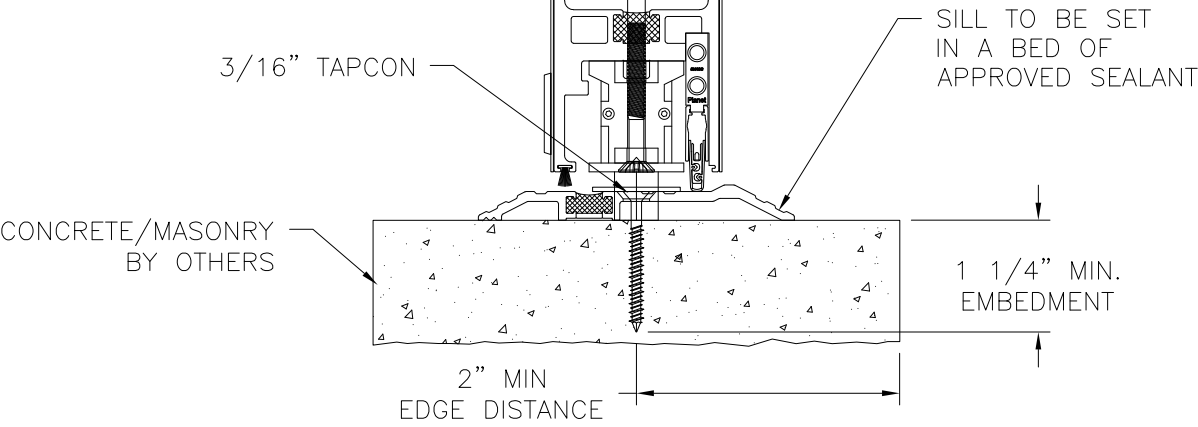
LUIS R. LOMAS
LICENSE
No. 62514
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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JAMB INSTALLATION DETAIL
CONCRETE/MASONRY INSTALLATION

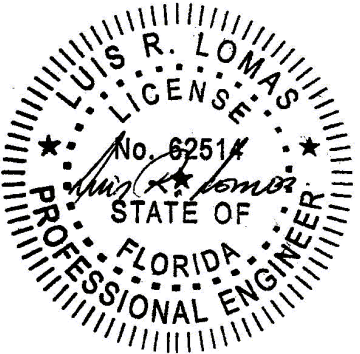


VERTICAL CROSS SECTION
CONCRETE/MASONRY INSTALLATION

- NOTES:
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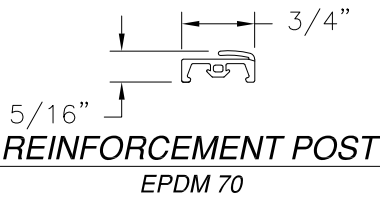
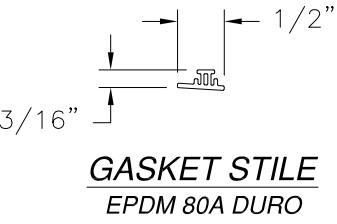
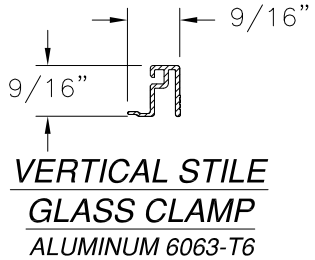
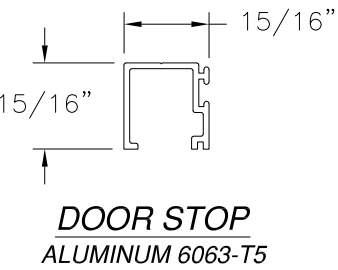
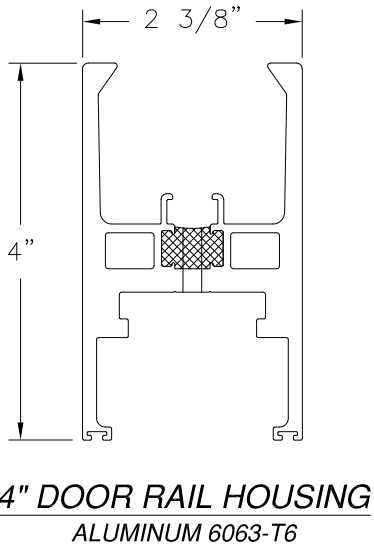
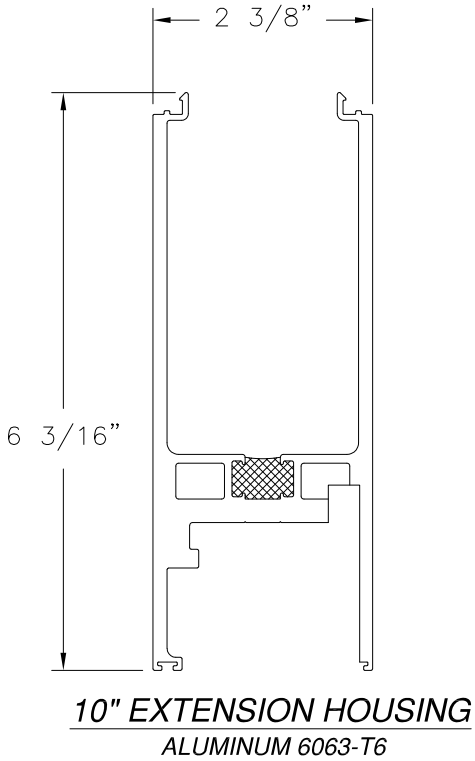
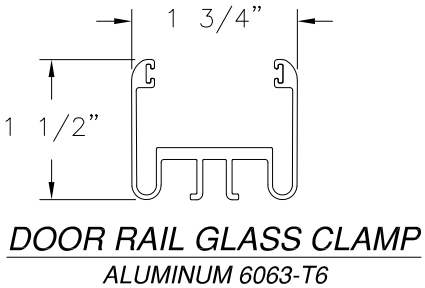
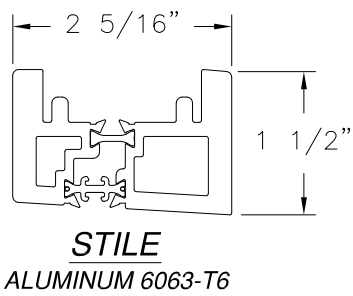
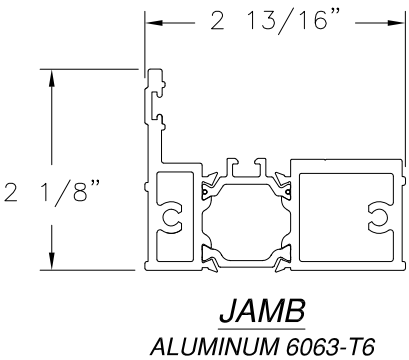
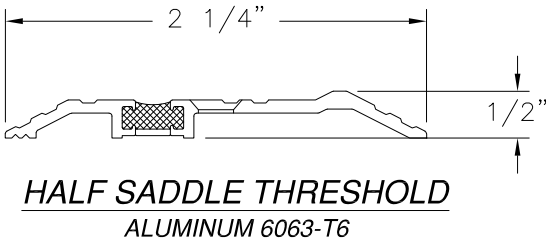
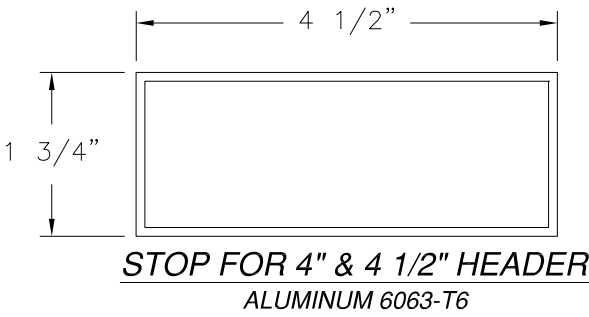
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ENTICE HP+ SINGLE SIDE HINGED DOOR NON-IMPACT INSTALLATION DETAILS		
DRAWN: A.R.	DWG NO. 08-04018	REV -
SCALE NTS	DATE 03/25/2024	SHEET 6 OF 7
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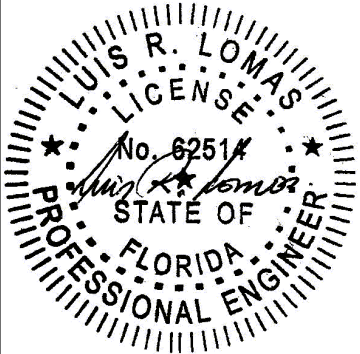
C.R. LAURENCE CO., INC.
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LOS ANGELES, CA 90058

ENTICE HP+ SINGLE SIDE HINGED DOOR
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