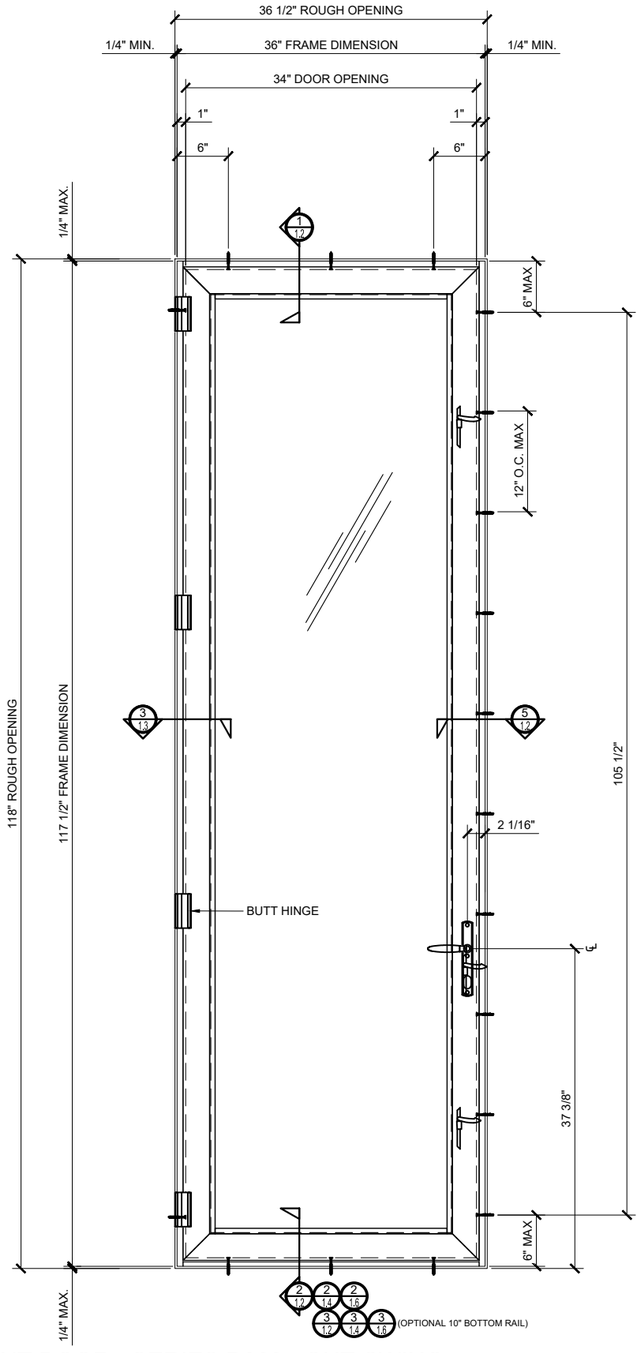
HURRICANE RESISTANT DOORS - SERIES D900

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" WINDOW UNITS MUST BE ANCHORED THROUGH THE FRAME IN ACCORDANCE WITH MANUFACTURE'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. WINDOW 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 WINDOW INTERIOR FACE SO THAT FULL FRAME SUPPORT IS PROVIDED.
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-T5.
11. UNITS MUST BE GLAZED PER ASTM E1300-04/09, SEE SHEET 2 FOR DETAILS.
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 2-1/2" MINIMUM EDGE DISTANCE. LOCATE ANCHORS AS SHOWN IN ELEVATIONS AND INSTALLATION DETAILS
15. FOR ANCHORING THROUGH FRAME INTO METAL STRUCTURE USE 3/16" 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 MANUFACTURES INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BELOW
    A. WOOD: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
    B. CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI.
    C. MASONRY: HOLLOW/FILLED BLOCK PER ASTM C90 WITH Fm = 2,000 PSI MINIMUM.
    D. METAL STRUCTURE: STEEL 18 GA. (.048") FY = 33KSI/FU = 52KSI OR ALUMINUM 6063 -T5 FU = 30KSI .048" THICK MINIMUM.
19. PERIMETER AND JOINT SEALANT BY OTHERS TO BE DESIGNED IN ACCORDANCE WITH ASTM E2112



1 CRL - US ALUMINUM HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING

1 1/2"=1'-0"

THE SERIES D900 IS A HIGH PERFORMANCE TERRACE DOOR FOR USE IN CONDOMINIUMS, LOFTS, HOTELS, AND HIGH-RISE APARTMENTS WITH ALL THE BENEFITS YOU ARE LOOKING FOR IN A FRENCH DOOR LOOK. THE SERIES D900 TERRACE DOOR WILL WITHSTAND HEAVY TRAFFIC AND THE WORSE OF WEATHER CONDITIONS WHILE MAINTAINING IT'S ELEGANT STYLING. THE 2-1/4" (57.2) THICK DOOR WITH A 1" X 4-1/2" (25 X 114.3) FRAME FEATURES DOUBLE POLYAMIDE GLASS STRIPS PROVIDING SUPERIOR INTERIOR TO EXTERIOR THERMAL SEPARATION. FOR MAXIMUM SECURITY, THE SERIES D900 TERRACE DOOR INCLUDES FIVE-POINT LOCKING DEVICE FOR SINGLES. FIVE KNUCKLES HINGES WITH NON- REMOVABLE STAINLESS STEEL PINS PER LEAF COMPLETE THE STURDY LOOK AND FEEL OF THE SERIES D900 TERRACE DOOR.

FINISH:

*CLEAR ANODIC COATING
*DARK BRONZE ANODIC COATING
*BLACK ANODIC COATING
*CUSTOM PAINT

4 HINGE FOR ALL DOORS

Max Height: (LMI)
- 117 1/2" for frame width 36" (65 PSF)
- 96" for frame width up to 42" (80 PSF)

Max Height: (SMI)
- 96" for frame width up to 42" (80 PSF)

STRUCTURAL DISCLAIMER:

ALL CUSTOMERS WHO IN ANY WAY UTILIZE THIS PRODUCT ARE SOLELY RESPONSIBLE TO CONSULT A STRUCTURAL ENGINEER TO DETERMINE THE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE AND SITE CONDITIONS. ALL INSTALLERS MUST BE QUALIFIED AND HAVE PROFESSIONAL KNOWLEDGE ABOUT COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS, SAFETY FACTORS, AND THE APPROPRIATE CHOICE OF FIXING MATERIAL AND PROCEDURES.

Revisions By:

C.R.LAURENCE CO. ARCHITECTURAL PRODUCTS
2503 E. Vernon Ave. Los Angeles, CA 90058-8007
PH: (800)-421-6144 FX: 800-587-7500 www.crlaurence.com

Description: U.S. ALUMINUM HURRICANE RESISTANT DOORS – SERIES D900

Drawn By: VM
Date: 04/27/17
Scale: AS NOTED
File Name: US Alum Series D900 Hurricane Resistant Doors.dwg

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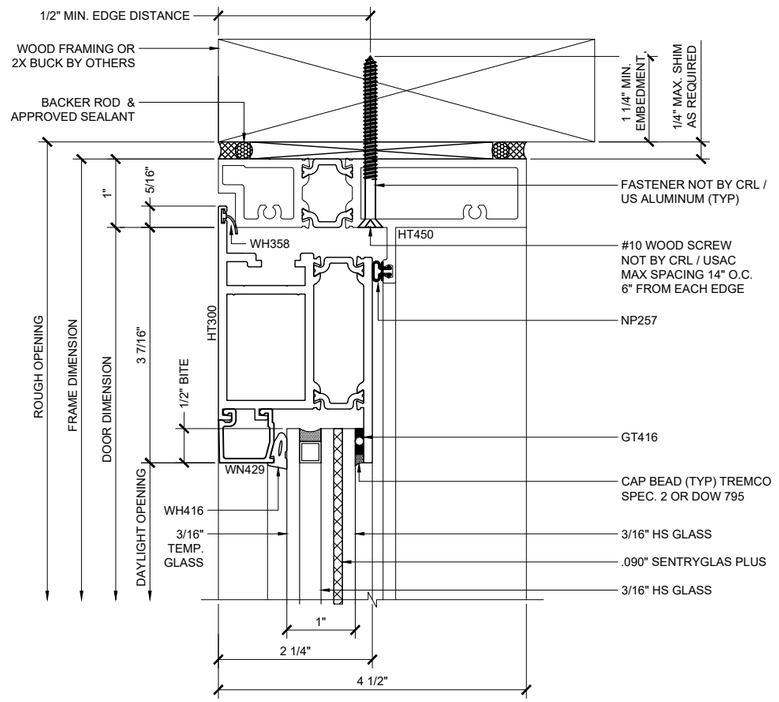
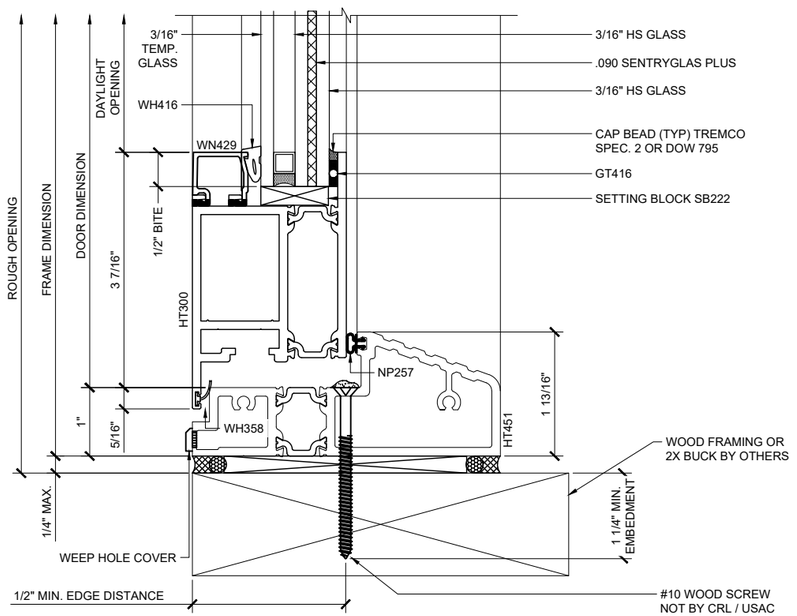


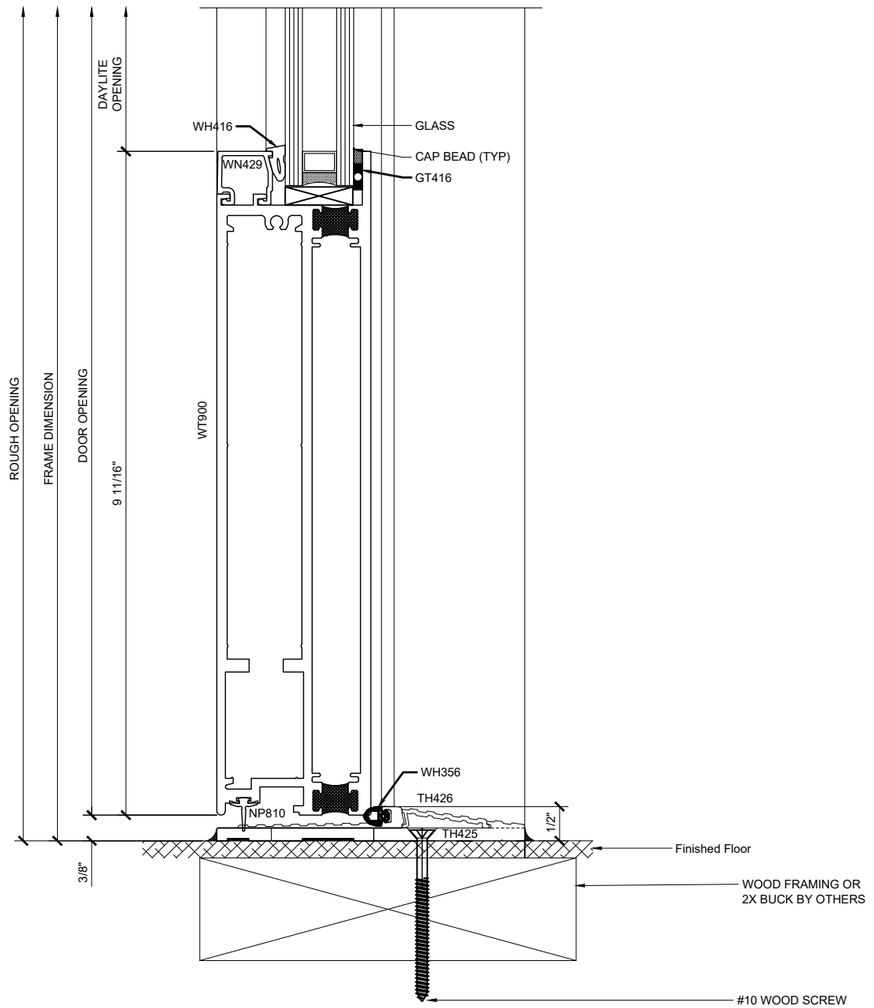
① OUT-SWING DOOR @ HEAD

1-0"=1'-0"



② OUT-SWING DOOR @ SILL (WOOD SUBSTRATE)

1-0"=1'-0"



③ OUT-SWING DOOR @ SILL WITH 10" BOTTOM RAIL

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING DETAILS - WOOD FRAME

Revisions By:

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U.S. ALUMINUM
HURRICANE RESISTANT
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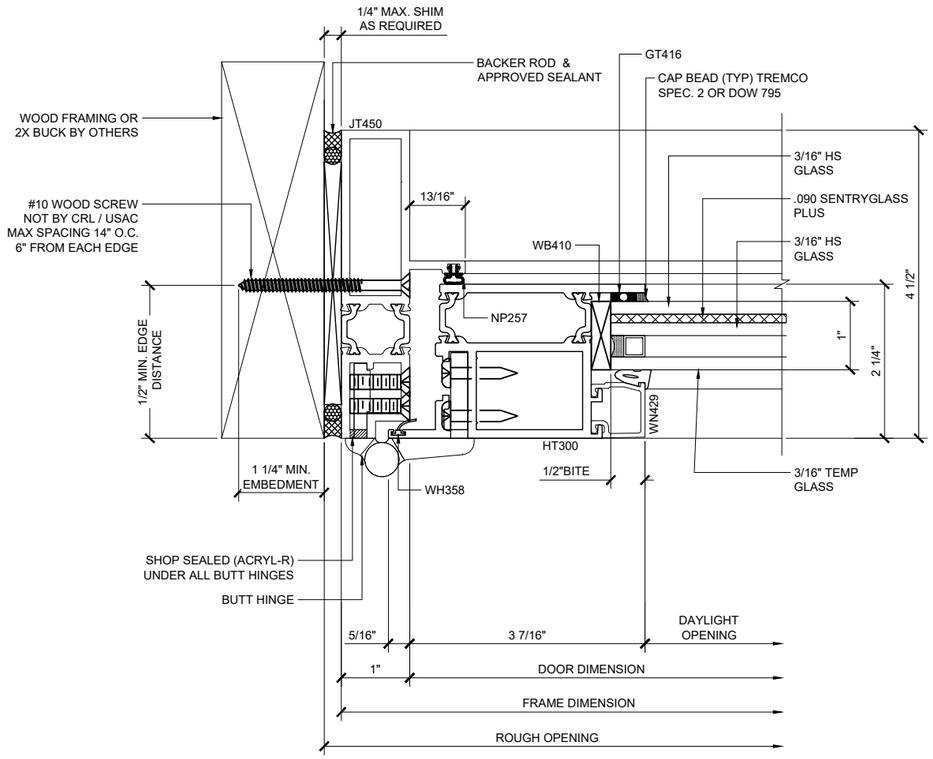
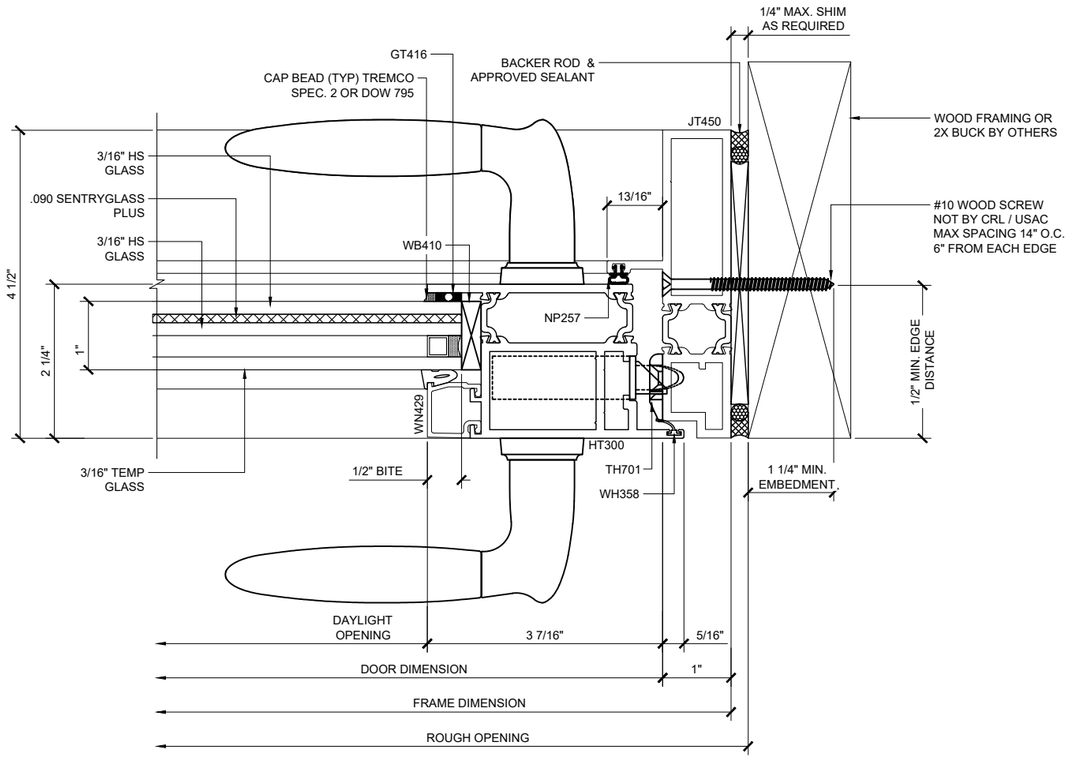


3 OUT-SWING DOOR @ JAMB WITH STANDARD 5 KNUCKLE HINGE

1-0"=1'-0"



5 OUT-SWING DOOR @ JAMB

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING DETAILS - WOOD FRAME

Revisions By:

C.R.LAURENCE CO. ARCHITECTURAL PRODUCTS
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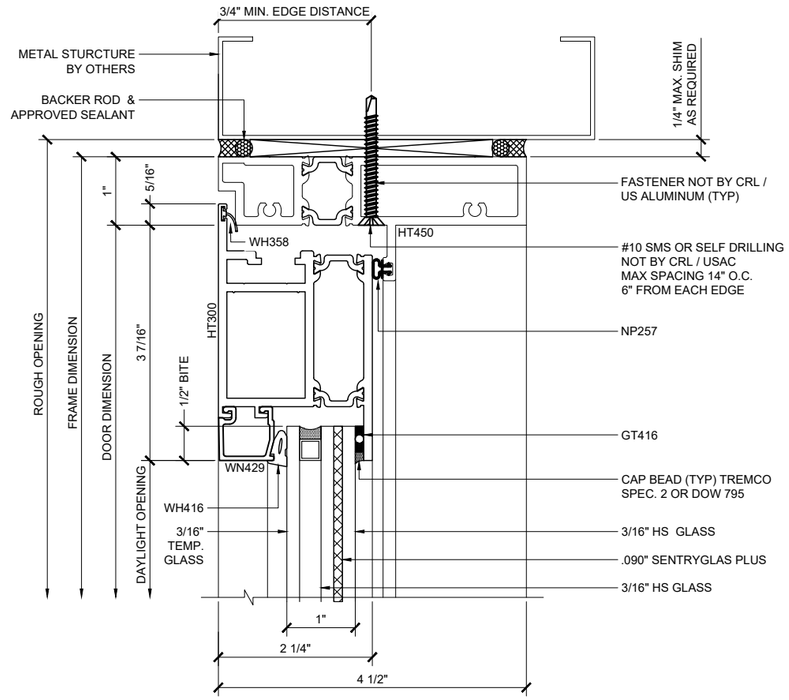
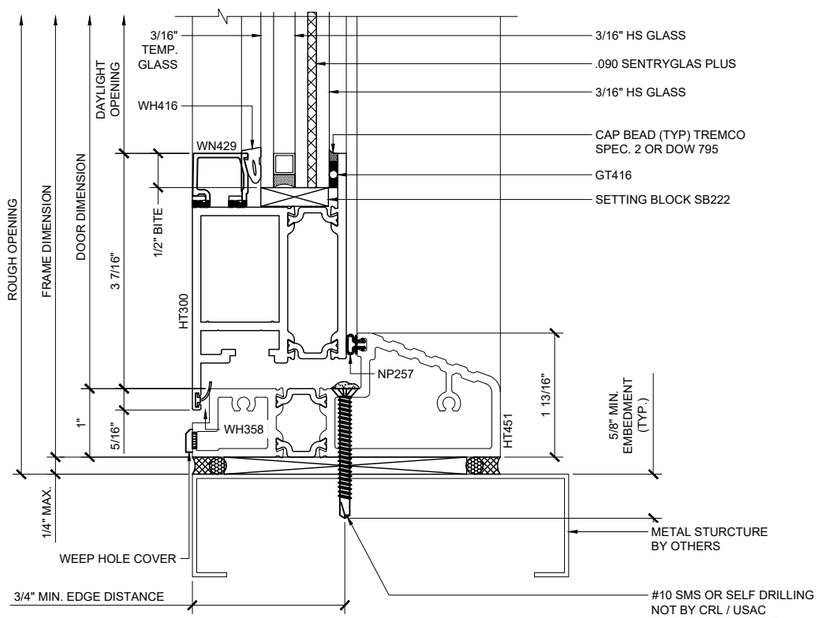


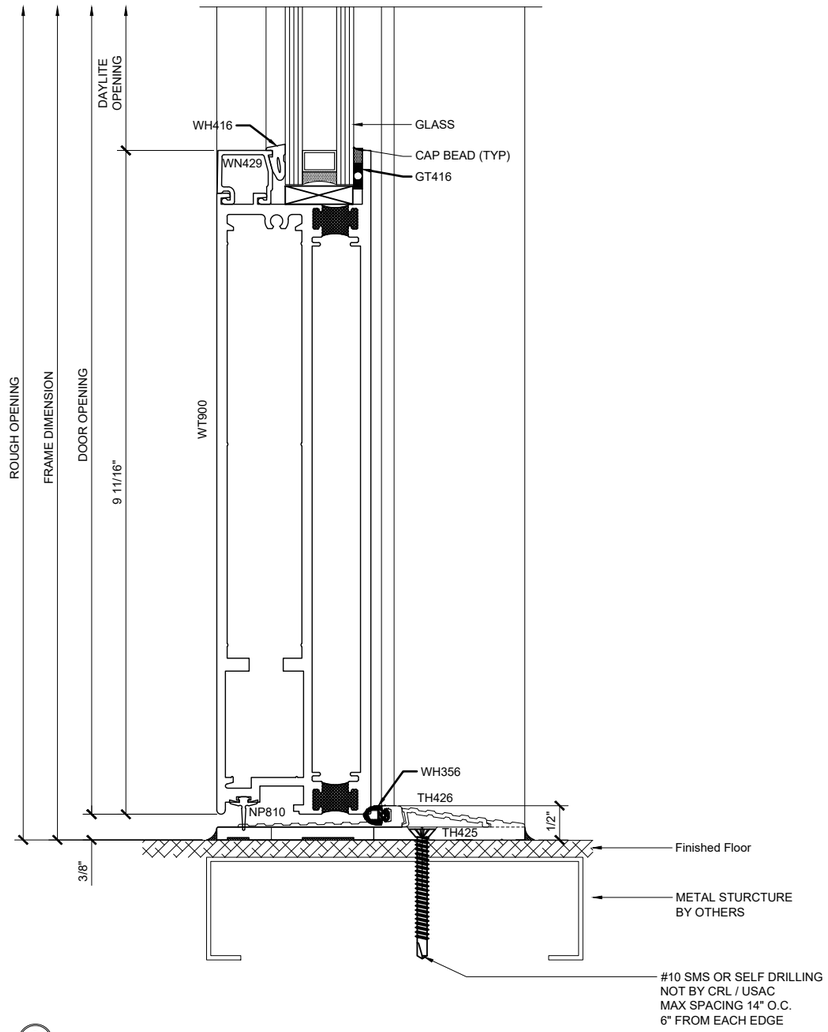
1 OUT-SWING DOOR @ HEAD

1-0"=1'-0"



2 OUT-SWING DOOR @ SILL

1-0"=1'-0"



3 OUT-SWING DOOR @ SILL WITH 10" BOTTOM RAIL

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING DETAILS - STEEL FRAME

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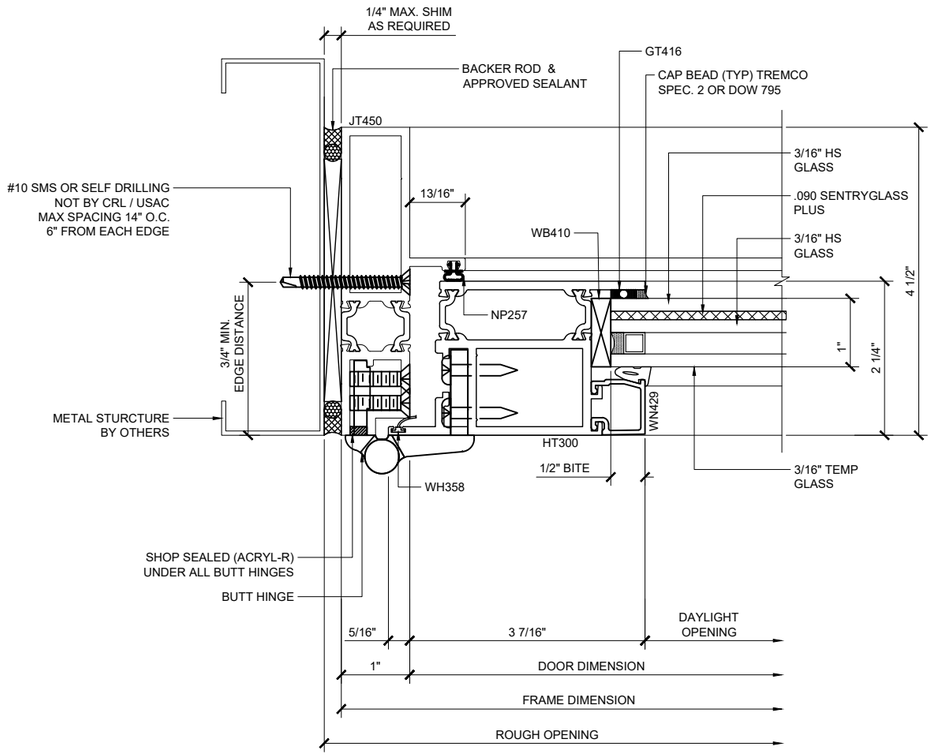
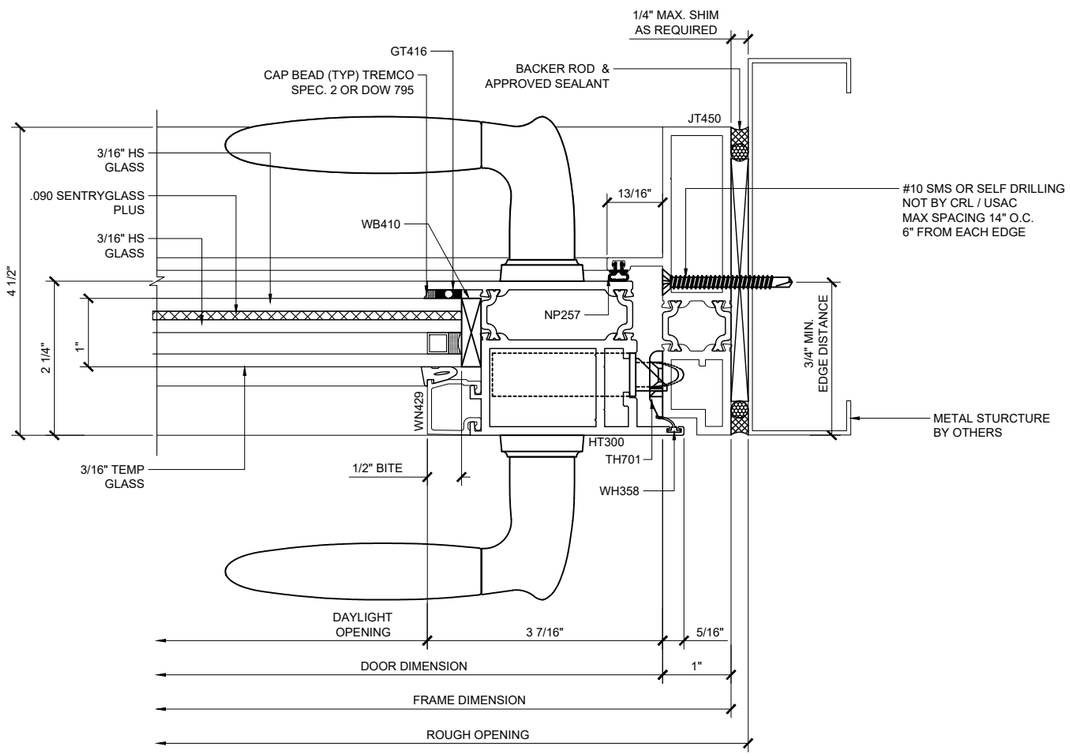


3 OUT-SWING DOOR @ JAMB WITH STANDARD 5 KNUCKLE HINGE

1-0"=1'-0"



5 OUT-SWING DOOR @ JAMB

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING DETAILS - STEEL FRAME

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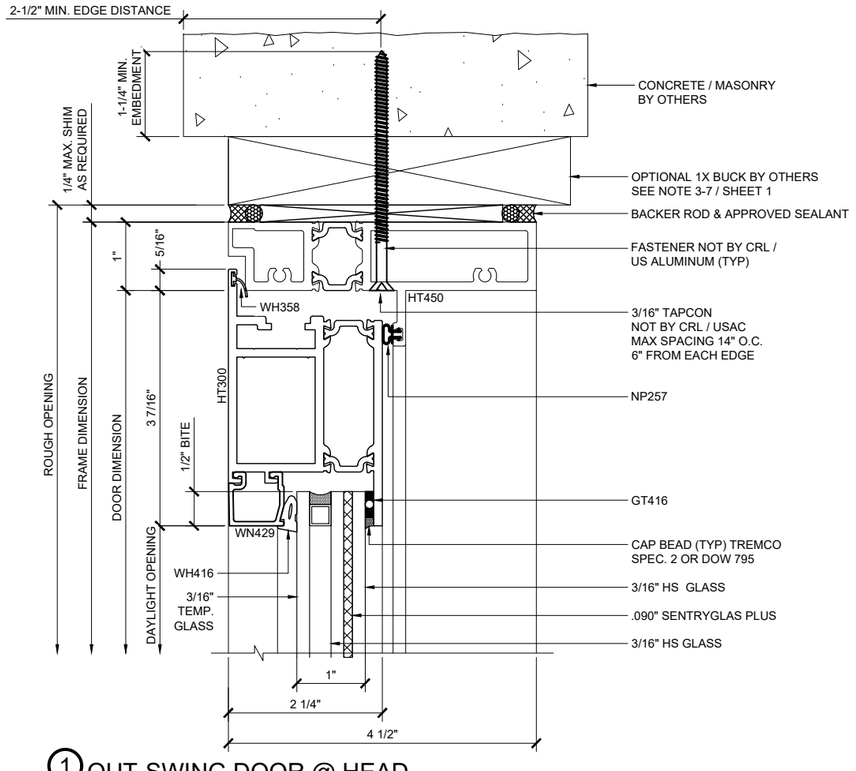
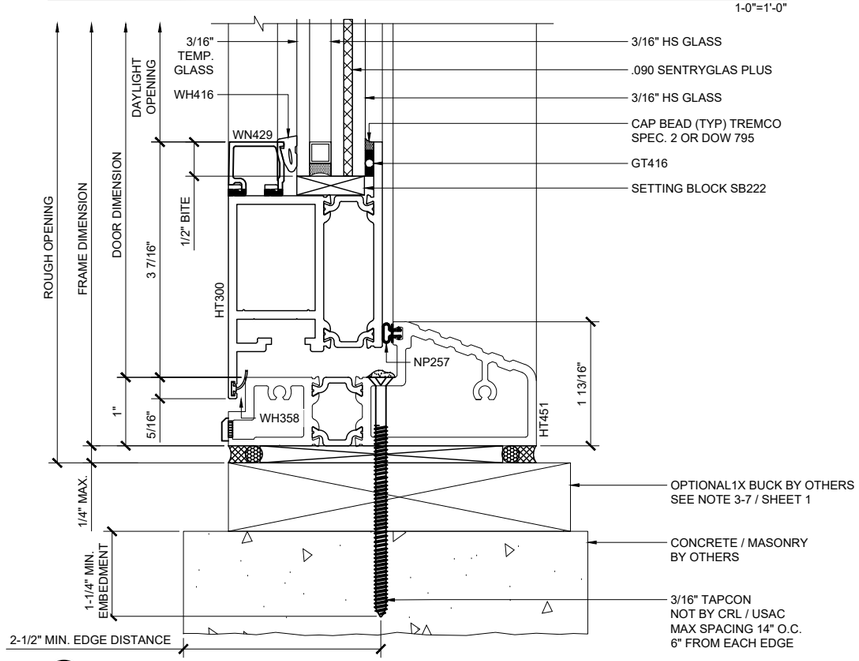


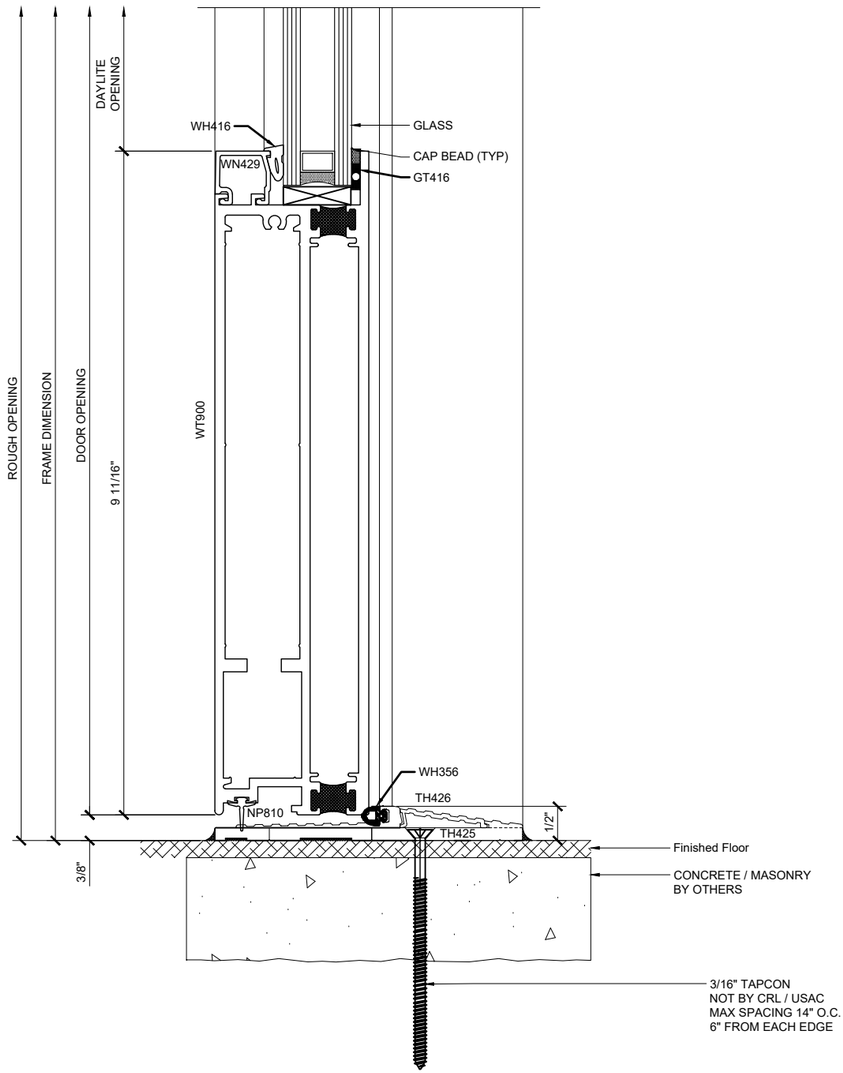
1 OUT-SWING DOOR @ HEAD

1-0"=1'-0"



2 OUT-SWING DOOR @ SILL

1-0"=1'-0"



3 OUT-SWING DOOR @ SILL WITH 10" BOTTOM RAIL

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING DETAILS - CONCRETE FRAME

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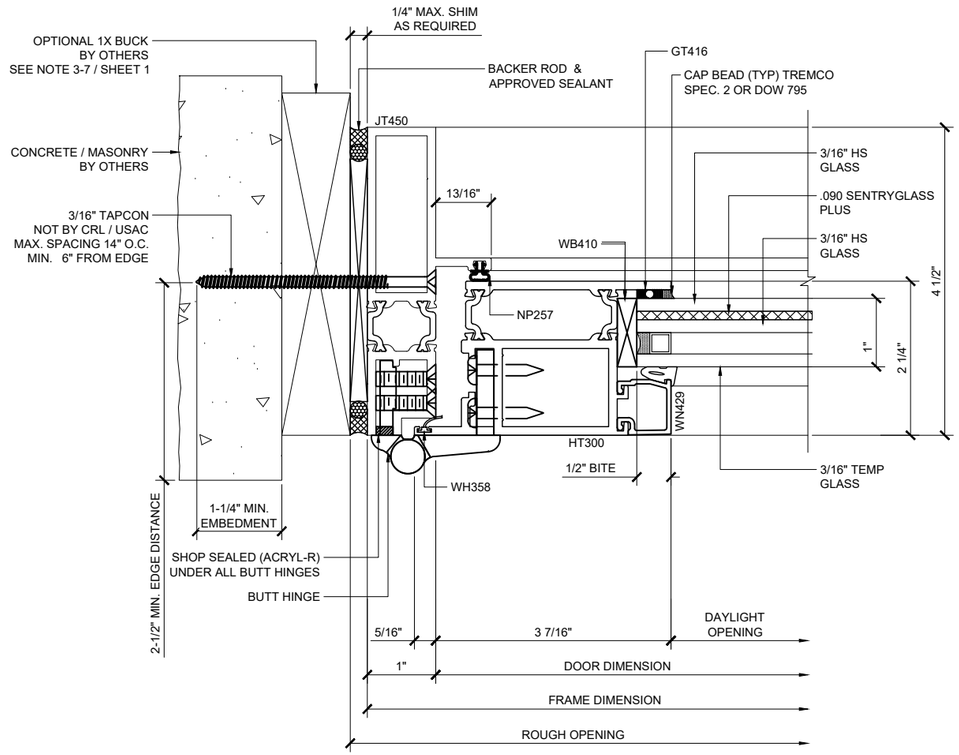
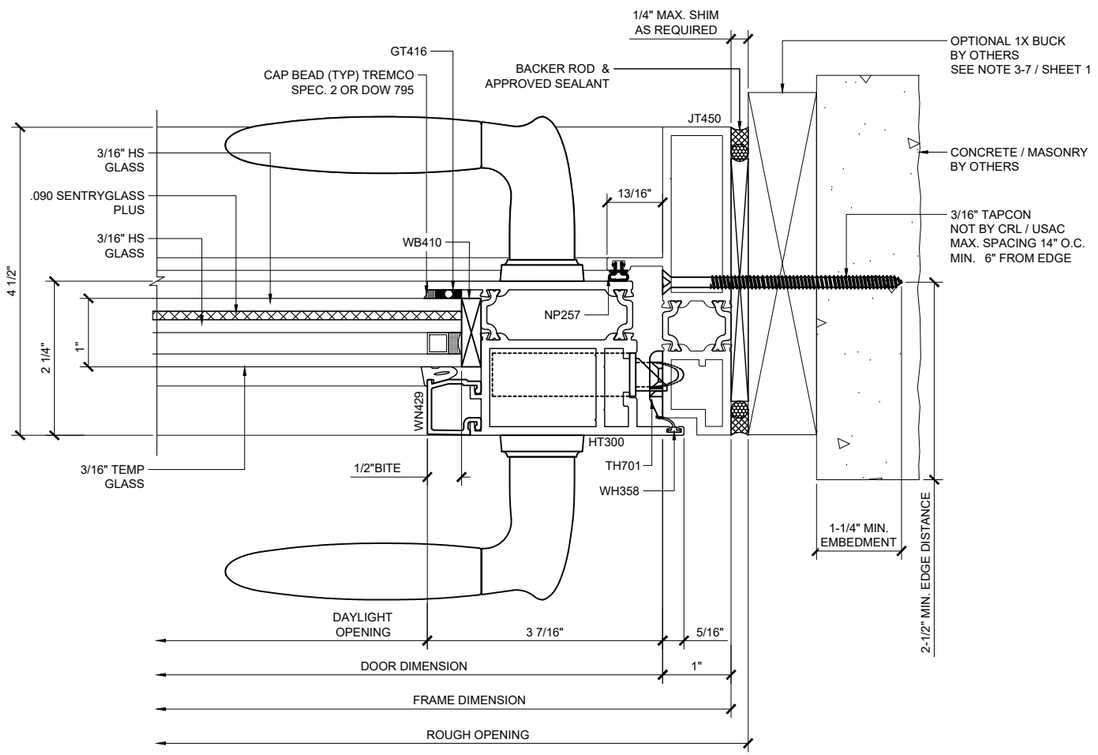


3 OUT-SWING DOOR @ JAMB WITH STANDARD 5 KNUCKLE HINGE

1-0"=1'-0"



5 OUT-SWING DOOR @ JAMB

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - OUT-SWING DETAILS - CONCRETE FRAME

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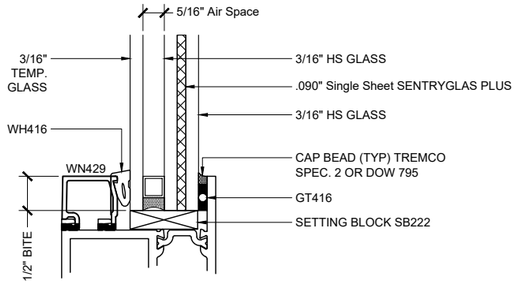
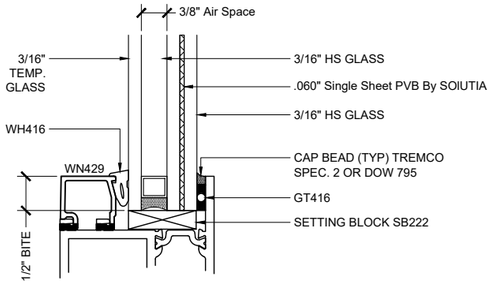
6" FROM EACH EDGE



LMI GLAZING FOR LARGE MISSILE IMPACT (LMI)

1-0"=1'-0"



SMI GLAZING FOR SMALL MISSILE IMPACT (SMI)

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - GLAZING REQUIREMENT

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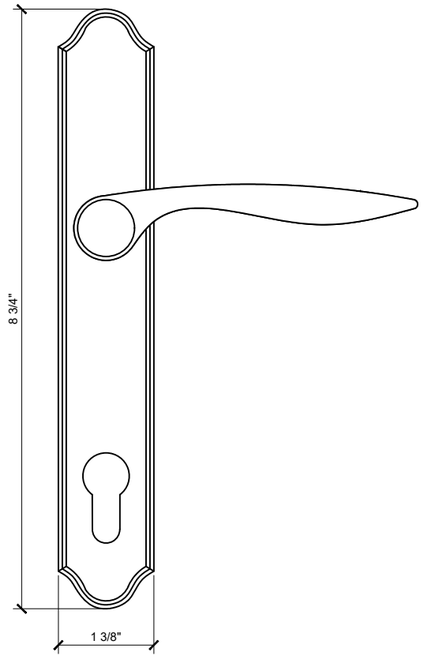
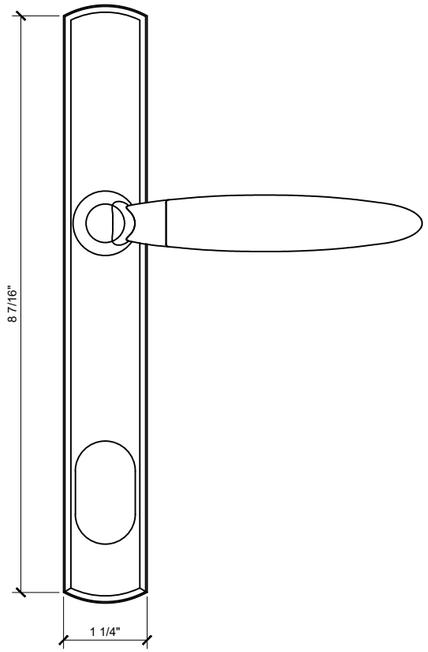


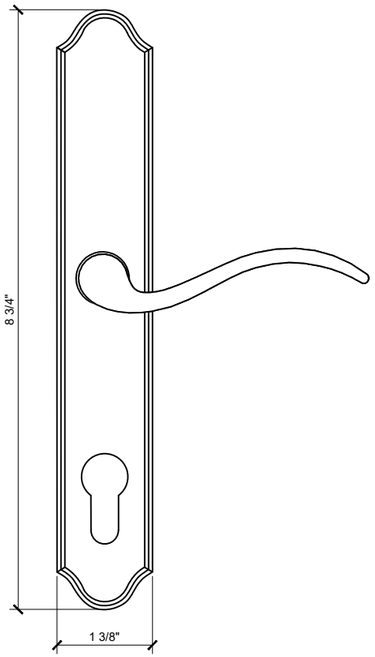
1 HANDLE - MANOR

1-0"=1'-0"



2 HANDLE - HERITAGE

1-0"=1'-0"



3 HANDLE - ESTATE

1-0"=1'-0"

CRL-US ALUMINUM - HURRICANE RESISTANT DOOR - SERIES D900 - HANDLE OPTIONS

FINISH

STYLE	POLISHED BRASS	ANTIQUE BRASS	POLISHED CHROME	SATIN NICKEL	ANTIQUE NICKEL	BRUSHED CHROME	OIL RUBBED	RUSTIC UMBER	WHITE	MATTE BLACK
MANOR	■		■	■		■	■	■		■
HERITAGE	■			■			■			
ESTATE	■	■	■	■	■	■		■	■	■

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2.1