

U.S. ALUMINUM HIGH PERFORMANCE THERMALLY BROKEN
CURTAIN WALL SERIES 3252HP / 3252HPSG SYSTEM

HIGH PERFORMANCE THERMALLY BROKEN CURTAIN WALL
SERIES 3252HP / 3252HPSG
SYSTEMS SPECIFICATIONS

SPECIAL FEATURES:

- * Extruded Aluminum Mullion Anchors
- * Extruded Shear Blocks are Furnished to Ensure Extra Strong Horizontal to Vertical Joinery
- * Injection Molded End Dams and Closure Plates Used for Controlling Water Infiltration

Complementing the efficiency of insulating glass, Series 3252HP Curtain Wall Systems are thermally broken by a continuous Thermal Spacer interlocked with Polyamide Pressure Plates and adds our Fill and Debridge Technology. The 3252HP uses one Fill and Debridge pocket along with the Thermal Spacer, providing two Thermal Break Points. Dual colors can be achieved by specifying different finishes for the exterior face covers and interior mullions. Two piece horizontals and extruded Shear Blocks allow for a concealed horizontal to vertical joinery without exposed screws. These joint intersections also have concealed injection molded End Dams for controlling any infiltrated water.

SERIES	WIDTH	DEPTH	GLAZING INFILL	APPLICATIONS
3252HP 3252HPSG	2-1/2" (63.5)	7-1/4" (184.15)	1" (25) and/or 1/4" (6)	Low-Rise to Mid-Rise Buildings Where Exterior Glazing is Required

STANDARD ABBREVIATIONS

- | | |
|------|---------------------------|
| RO | ROUGH OPENING |
| FD | FRAME DIMENSION |
| DLO | DAYLIGHT OPENING |
| DO | DOOR OPENING |
| DD | DOOR DIMENSION |
| SMC | SURFACE MOUNTED CLOSER |
| OHCC | OVERHEAD CONCEALED CLOSER |

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Revisions By:



U.S. ALUMINUM CURTAIN WALL SERIES 3252HP SYSTEM

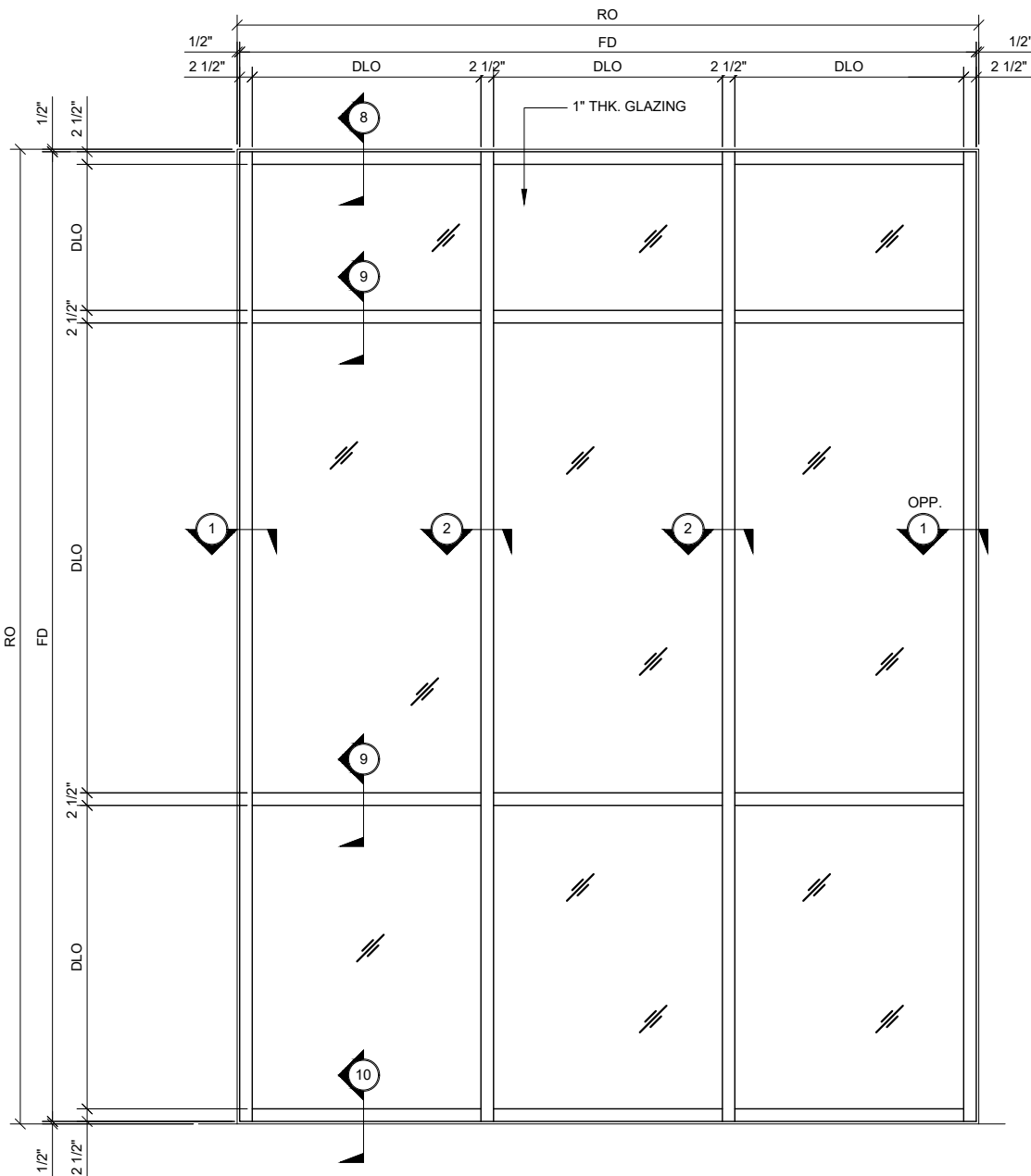
STANDARD ABBREVIATIONS

RO ROUGH OPENING
FD FRAME DIMENSION
DLO DAYLITE OPENING
DO DOOR OPENING
DD DOOR DIMENSION
SMC SURFACE MOUNTED CLOSER
OHCC OVERHEAD CONCEALED CLOSER

Revisions By:

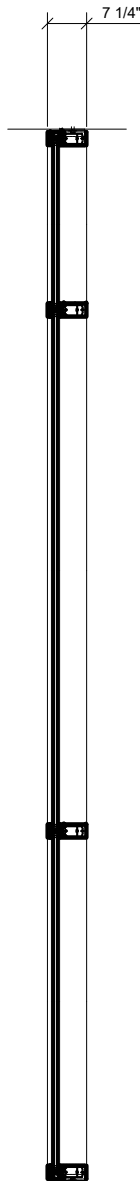


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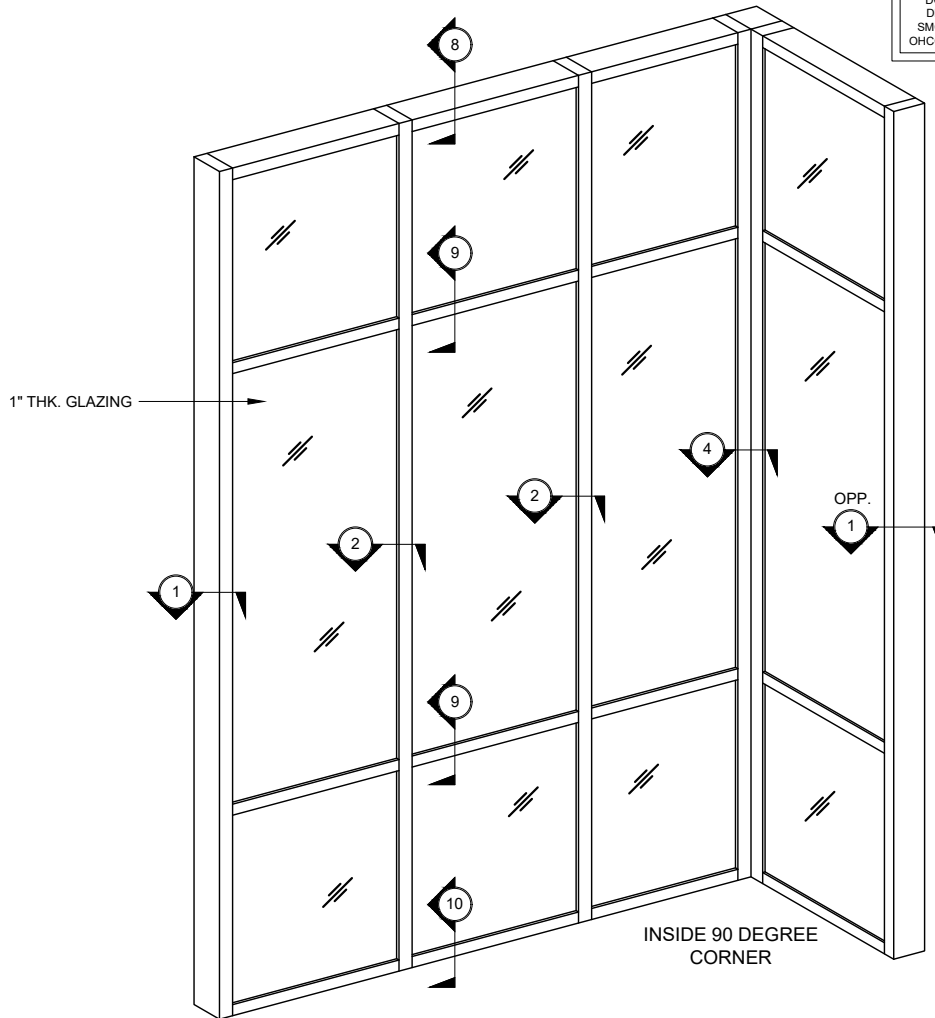
TYPICAL CURTAIN WALL ELEVATION

1" THICK DOUBLE GLAZED
5" BACK MEMBER



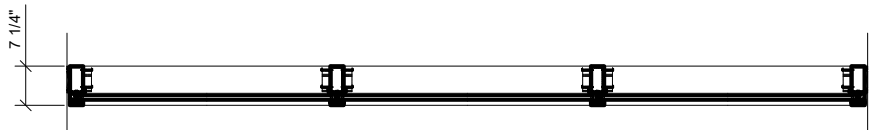
SECTION

3/4" = 1'-0"



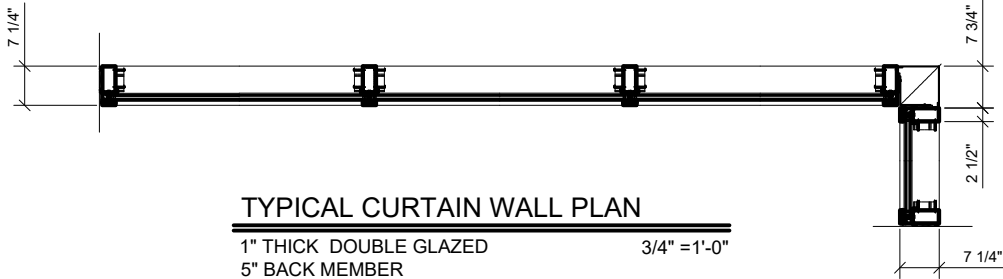
TYPICAL CURTAIN WALL ELEVATION

1" THICK DOUBLE GLAZED
5" BACK MEMBER



TYPICAL CURTAIN WALL PLAN

1" THICK DOUBLE GLAZED
5" BACK MEMBER



TYPICAL CURTAIN WALL PLAN

1" THICK DOUBLE GLAZED
5" BACK MEMBER

CURTAIN WALL SERIES 3252HP TYPICAL ELEVATIONS

1.1 HIGH PERFORMANCE - THERMALLY BROKEN - CAPTURED VERTICAL GLAZED CURTAIN WALL

Description:

U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

Date: 08/15/19

Scale: AS NOTED

File Name: 3252HP.dwg

Sheet

1.1

NOTES:

**1. 5" BACK MEMBER SHOWN;
OTHER SIZES AVAILABLE UPON
REQUEST**

**2. PART NUMBERS SHOWN ARE
AVAILABLE IN 24 FT. STOCK
LENGTHS. VISIT usalum.com FOR
MORE INFORMATION**



1.2 - DOUBLE GLAZED - 5" BACK MEMBER

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Description:
U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

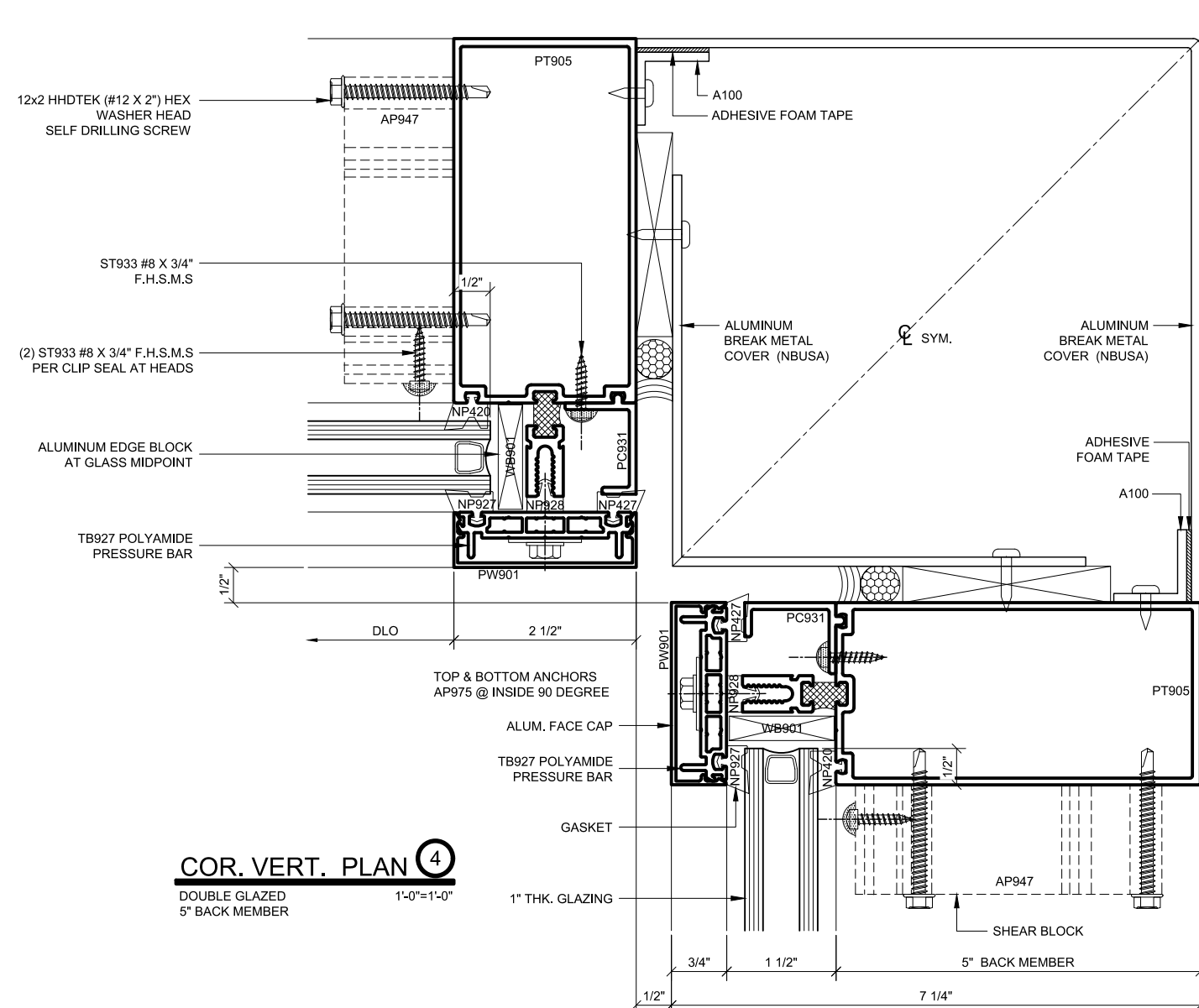
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U.S. ALUMINUM CURTAIN WALL SERIES 3252HP SYSTEM

NOTES:

1. 5" BACK MEMBER SHOWN;
OTHER SIZES AVAILABLE UPON
REQUEST

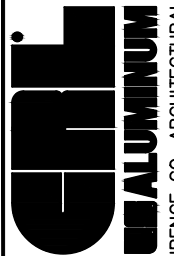
2. PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION



CURTAIN WALL SERIES 3252HP DETAILS

1.3 - DOUBLE GLAZED - 5" BACK MEMBER

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Description: U.S. ALUM. SERIES 3252HP & 3252HPSG CURTAIN WALL HIGH PERFORMANCE THERMALLY BROKEN
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Drawn By: RPD

Date:	08/15/19
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Scale:	AS NOTED
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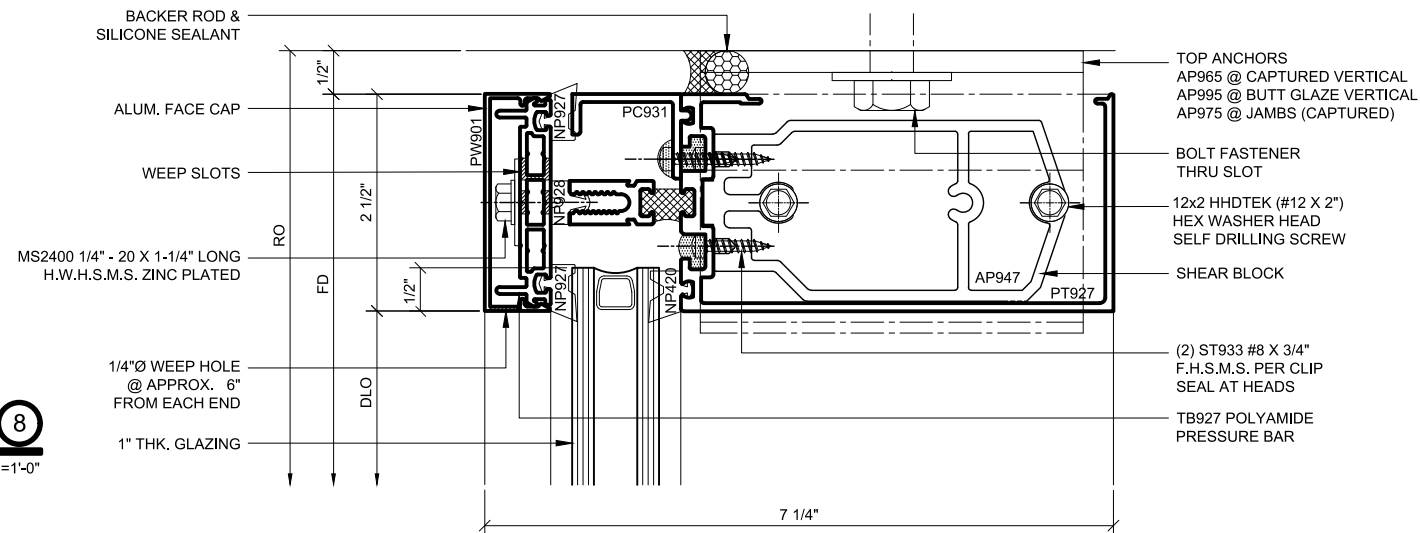
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HEAD SECTION 8

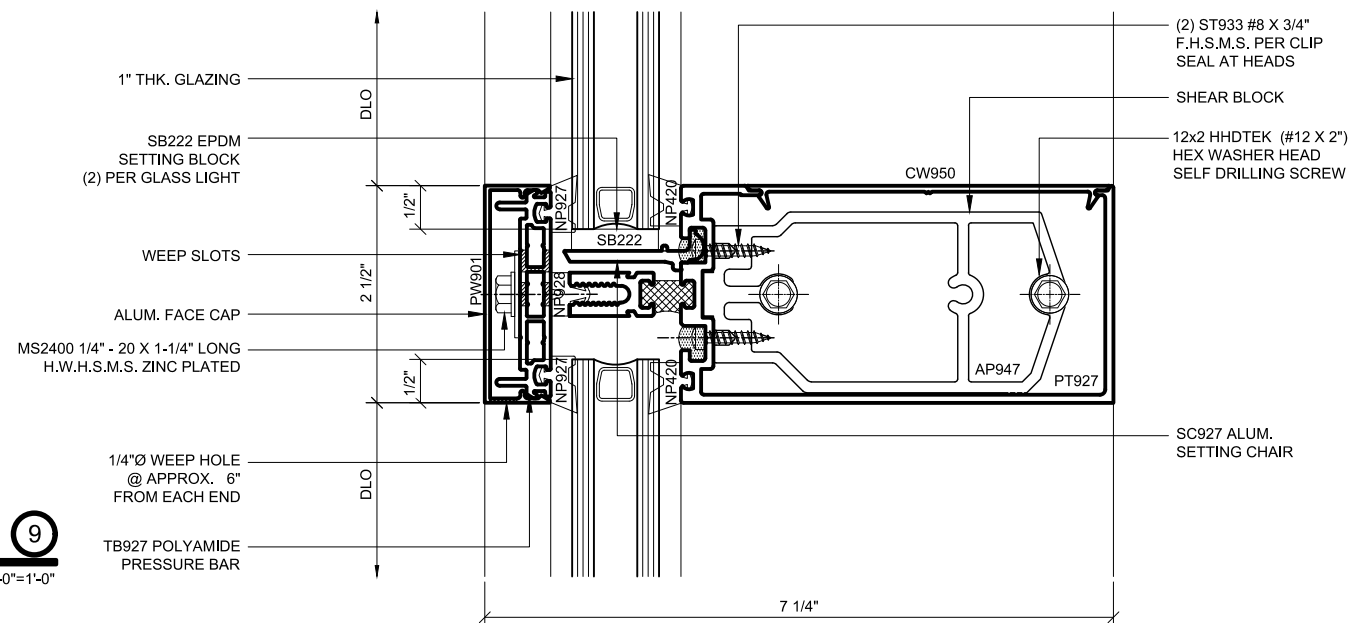
DOUBLE GLAZED
5" BACK MEMBER



INT. HOR. SECTION 9

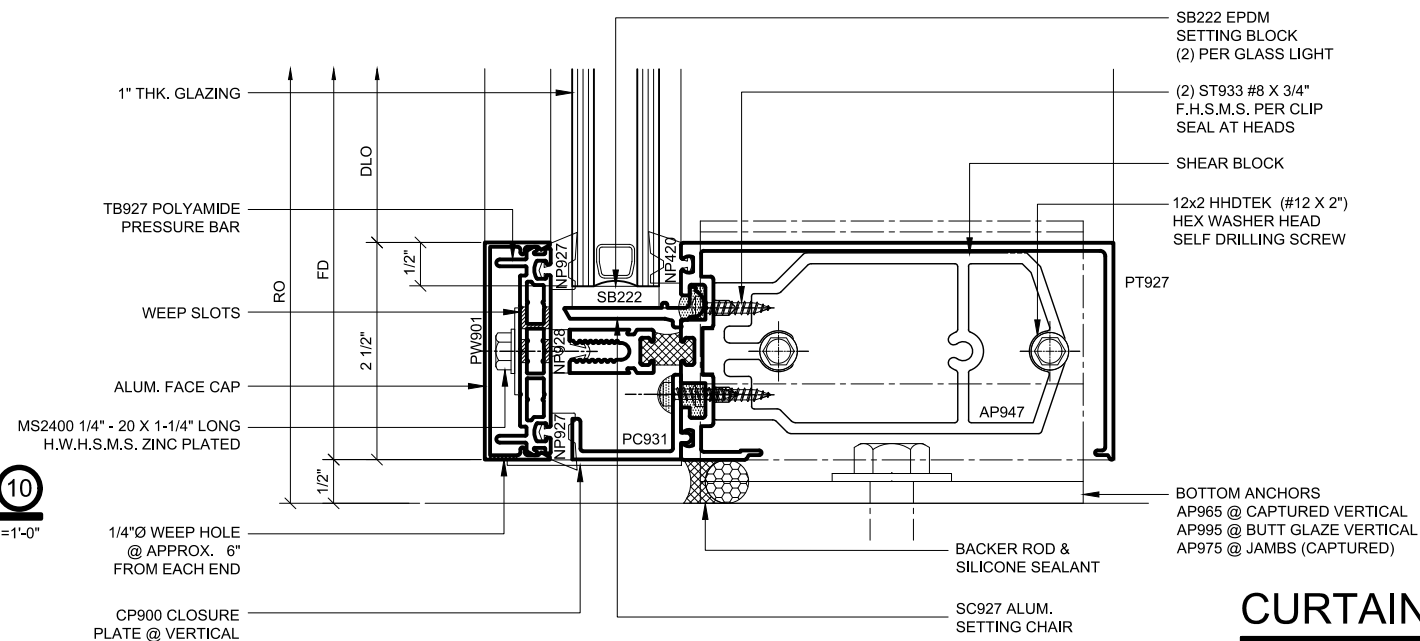
DOUBLE GLAZED
5" BACK MEMBER

1'-0"=1'-0"



2. PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION

SILL SECTION (10)



1.4 - DOUBLE GLAZED - 5" BACK MEMBER

U.S. ALUM. SERIES 3252HP & 3252HPSG CURTAIN WALL HIGH PERFORMANCE THERMALLY BROKEN

1.4



U.S. ALUMINUM CURTAIN WALL SERIES 3252HPSG SYSTEM

STANDARD ABBREVIATIONS

RO ROUGH OPENING
FD FRAME DIMENSION
DLO DAYLITE OPENING
DO DOOR OPENING
DD DOOR DIMENSION
SMC SURFACE MOUNTED CLOSER
OHCC OVERHEAD CONCEALED CLOSER

Revisions By:

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Description:
U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

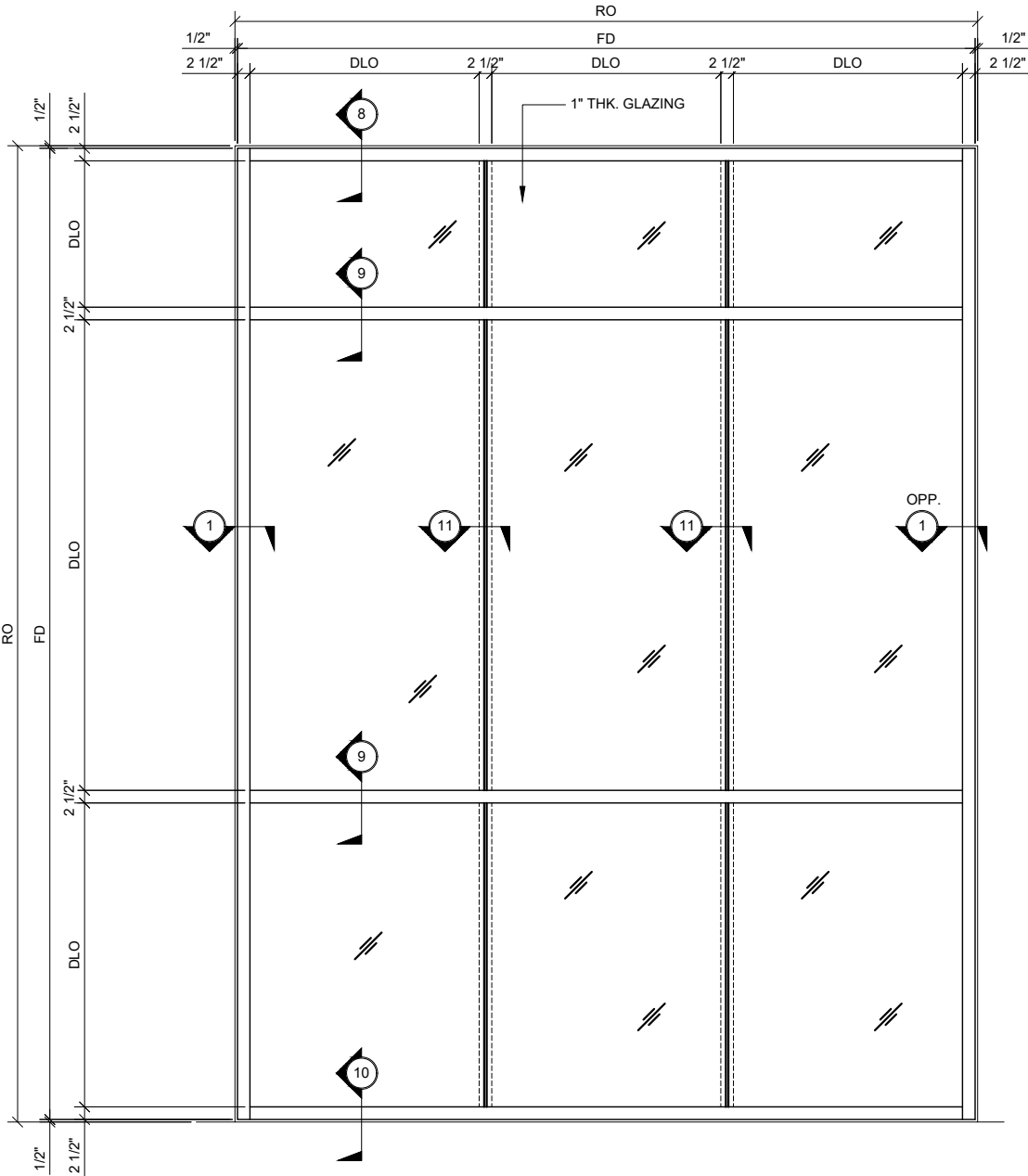
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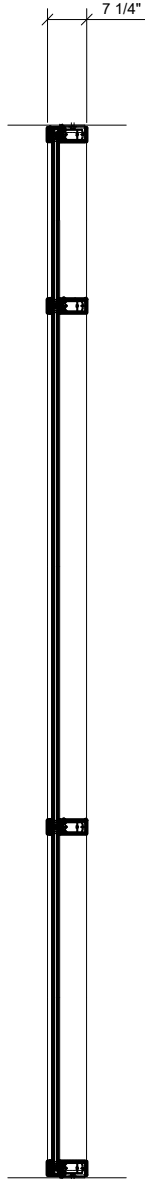
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2.1



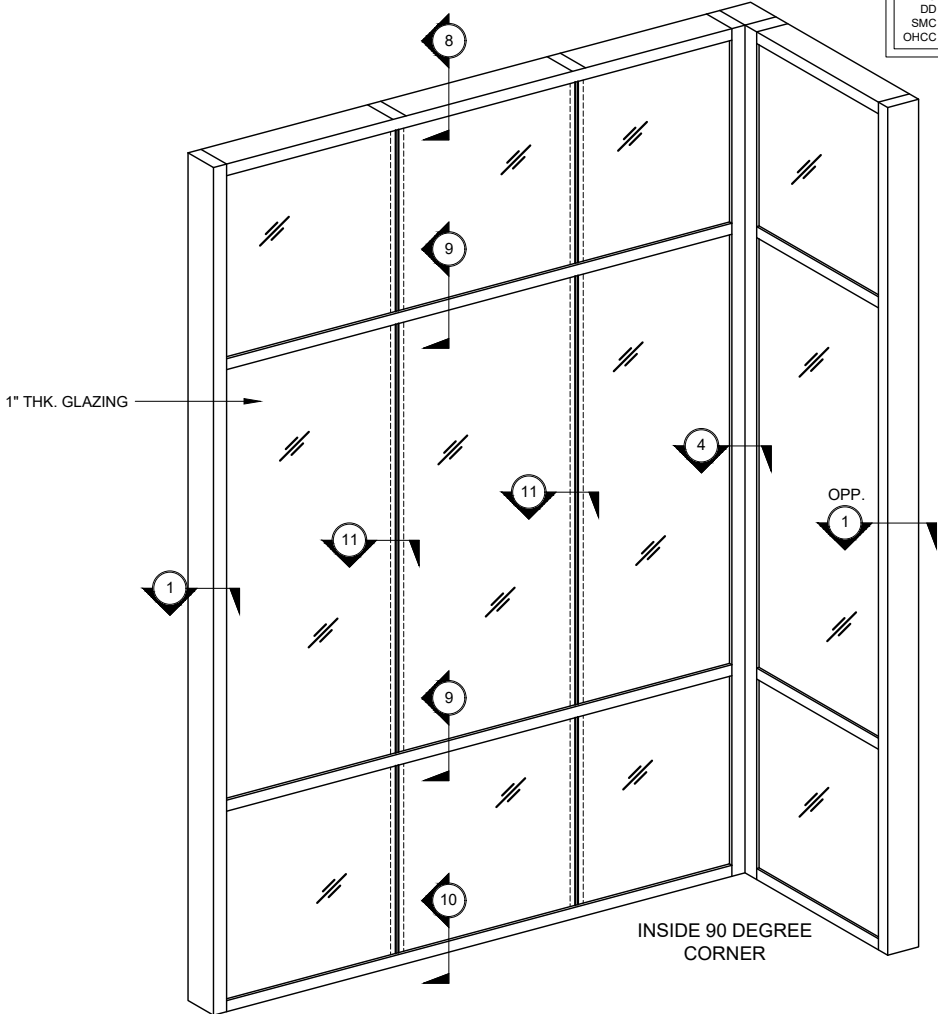
TYPICAL CURTAIN WALL ELEVATION

1" THICK DOUBLE GLAZED
5" BACK MEMBER



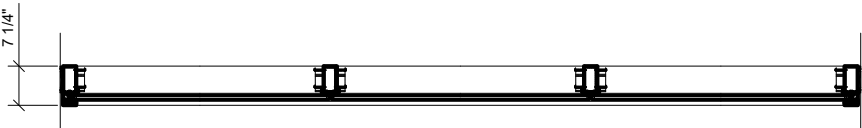
SECTION

3/4" = 1'-0"



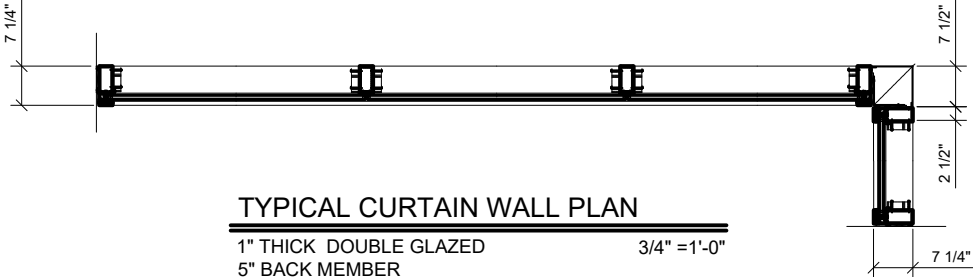
TYPICAL CURTAIN WALL ELEVATION

1" THICK DOUBLE GLAZED
5" BACK MEMBER



TYPICAL CURTAIN WALL PLAN

1" THICK DOUBLE GLAZED
5" BACK MEMBER

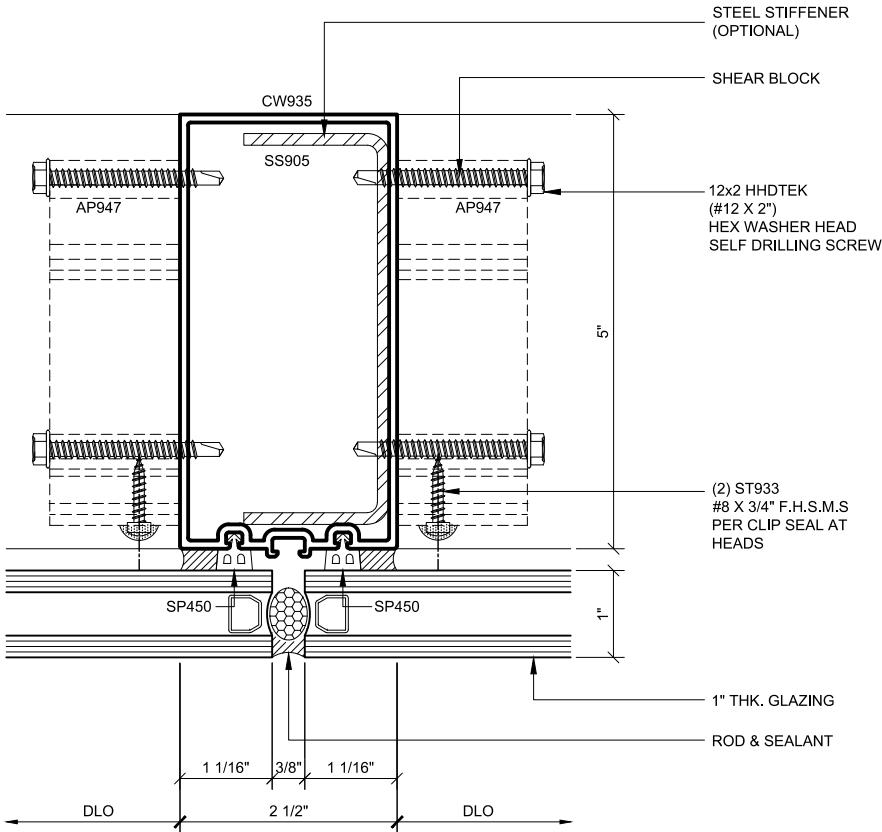


TYPICAL CURTAIN WALL PLAN

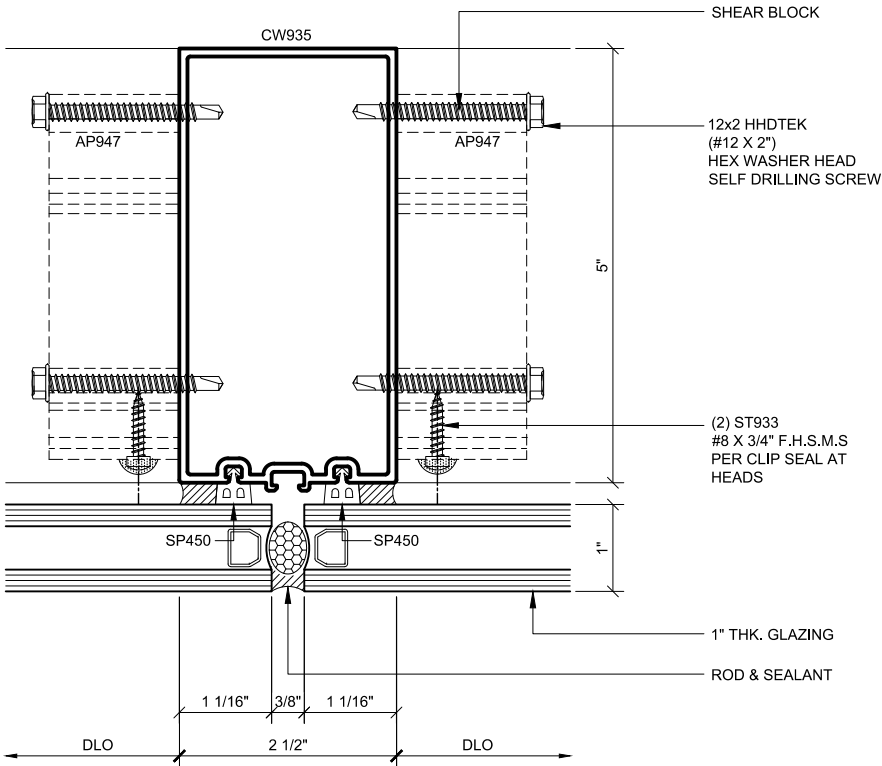
1" THICK DOUBLE GLAZED
5" BACK MEMBER

CURTAIN WALL SERIES 3252HPSG TYPICAL ELEVATIONS

2.1 HIGH PERFORMANCE - THERMALLY BROKEN - STRUCTURAL SILICONE VERT. GLAZED CURTAIN WALL



INT. VERT. PLAN 11
DOUBLE GLAZED
5" BACK MEMBER
1'-0"=1'-0"



INT. VERT. PLAN 11A
DOUBLE GLAZED
5" BACK MEMBER
1'-0"=1'-0"

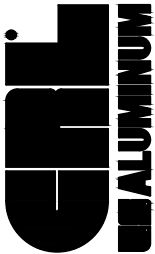
- NOTES:
1. 5" BACK MEMBER SHOWN;
OTHER SIZES AVAILABLE UPON
REQUEST

2. PART NUMBERS SHOWN ARE
AVAILABLE IN 24 FT. STOCK
LENGTHS. VISIT usalum.com FOR
MORE INFORMATION

CURTAIN WALL SERIES 3252HPSG DETAILS

2.2 - DOUBLE GLAZED - 5" BACK MEMBER

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Description:
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HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

Date: 08/15/19

Scale: AS NOTED

File Name3252HP.dwg

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2.2



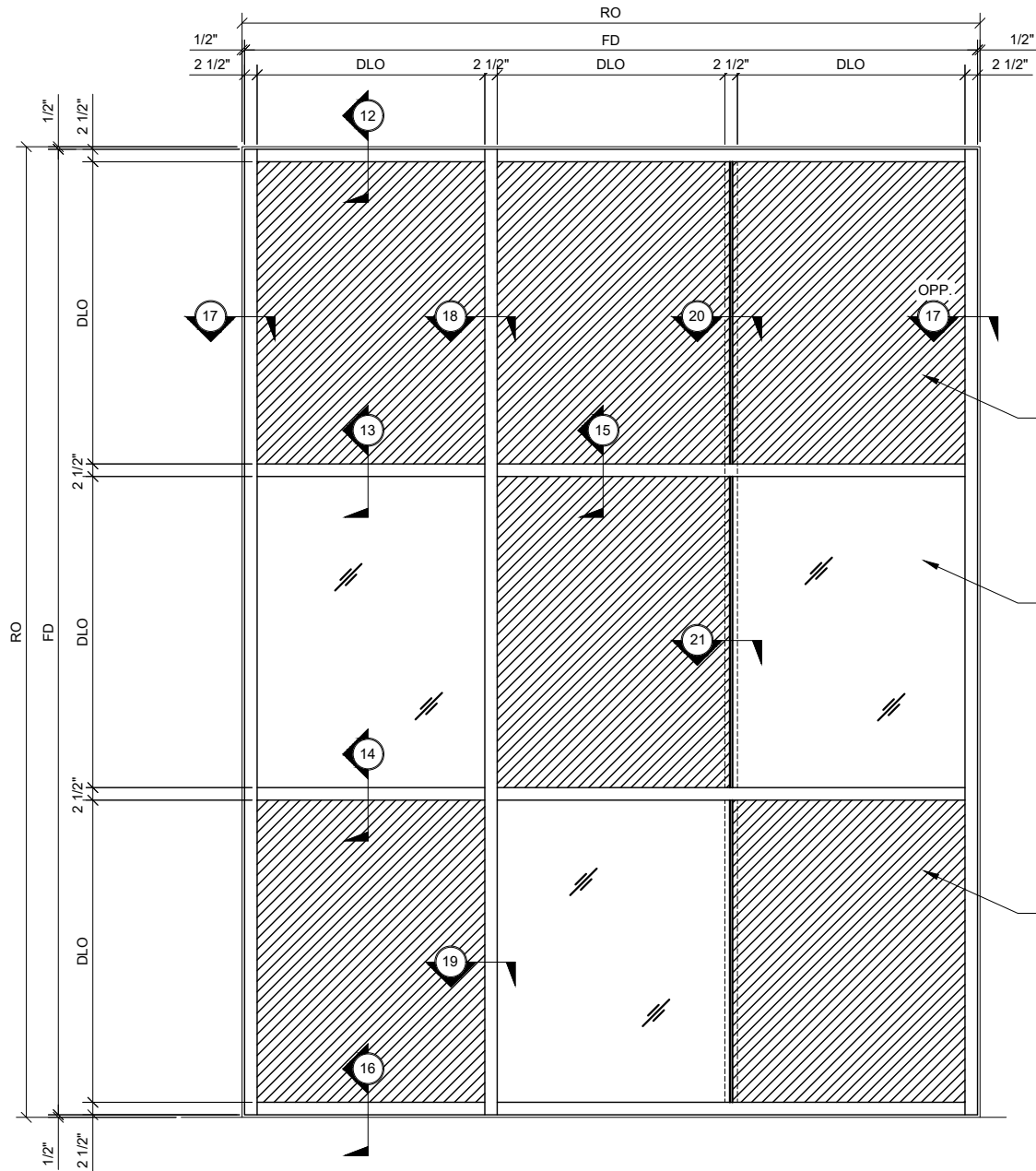
STANDARD ABBREVIATIONS

RO	ROUGH OPENING
FD	FRAME DIMENSION
DLO	DAYLITE OPENING
DO	DOOR OPENING
DD	DOOR DIMENSION
SMC	SURFACE MOUNTED CLOSER
OHCC	OVERHEAD CONCEALED CLOSER

Revisions By:

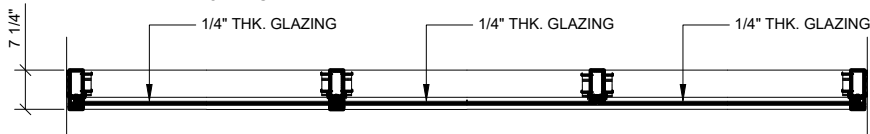


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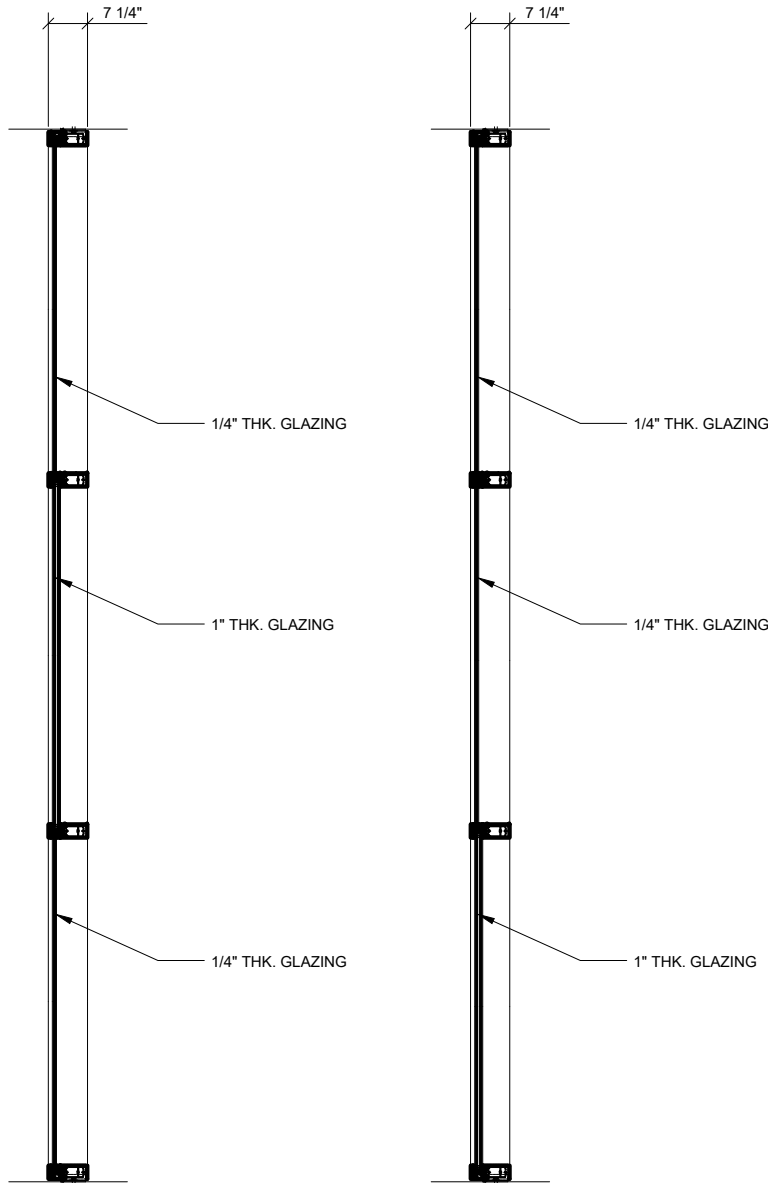
TYPICAL CURTAIN WALL ELEVATION

1" TO 1/4" TRANSITION GLAZING 3/4" =1'-0"
5" BACK MEMBER



TYPICAL CURTAIN WALL PLAN

1" TO 1/4" TRANSITION GLAZING 3/4" =1'-0"
5" BACK MEMBER

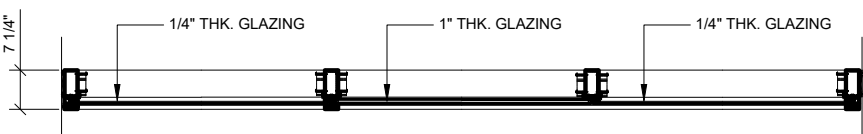


SECTION

3/4" =1'-0"

SECTION

3/4" =1'-0"



TYPICAL CURTAIN WALL PLAN

1" TO 1/4" TRANSITION GLAZING 3/4" =1'-0"
5" BACK MEMBER

CURTAIN WALL SERIES 3252HP / 3252HPSG TYPICAL ELEVATIONS

3.1 HIGH PERFORMANCE - THERMALLY BROKEN - COMBINATION CAPTURED VERTICAL GLAZED CURTAIN WALL AND STRUCTURAL SILICONE VERTICAL GLAZED CURTAIN WALL

Drawn By: RPD

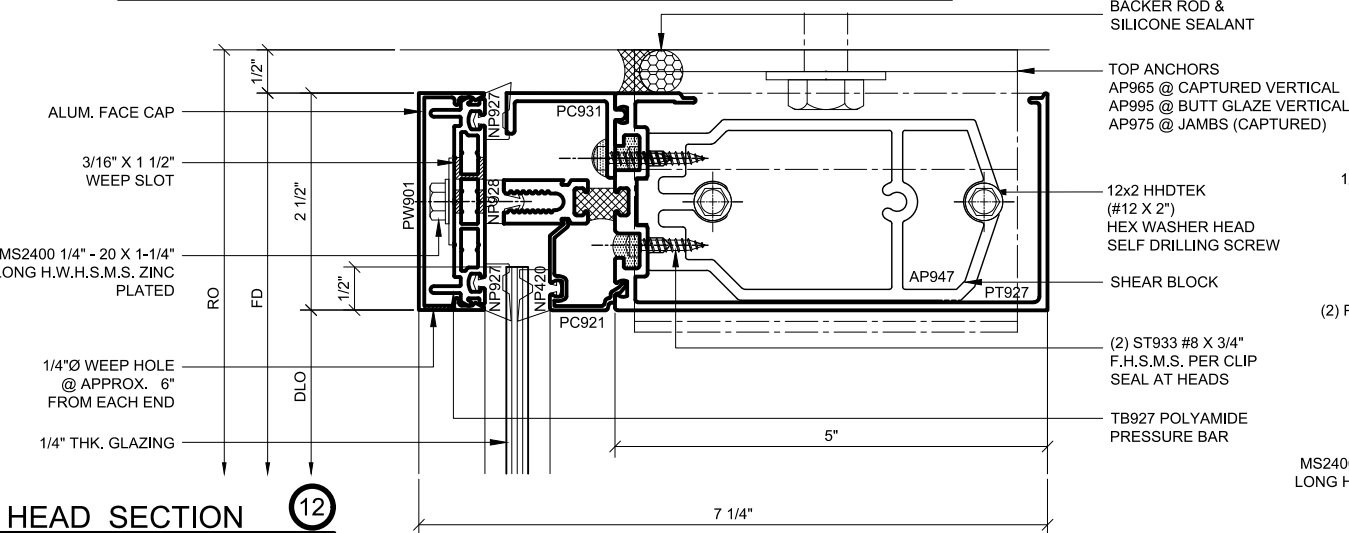
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Scale: AS NOTED

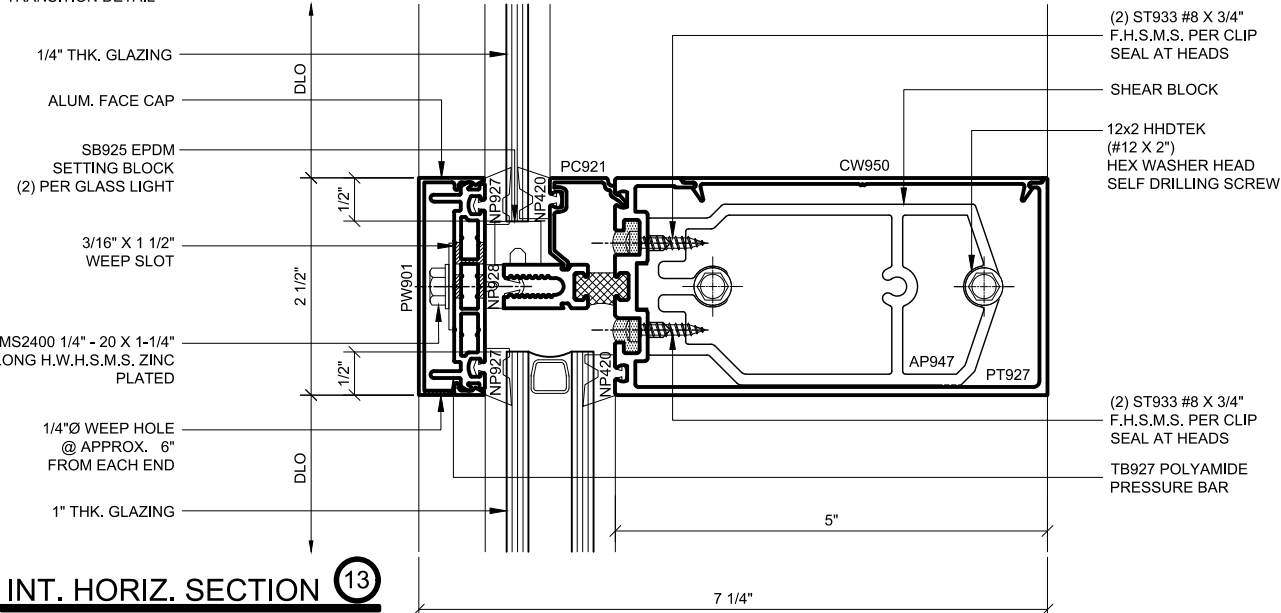
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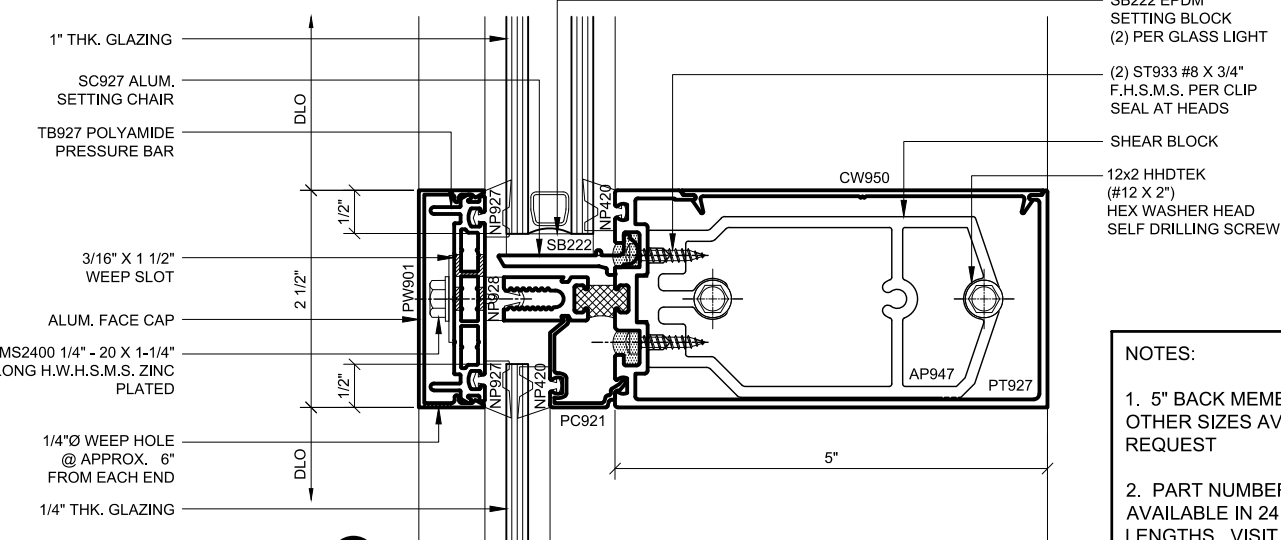
U.S. ALUMINUM CURTAIN WALL SERIES 3252HP SYSTEM



HEAD SECTION 12
SINGLE GLAZED
5\"/>

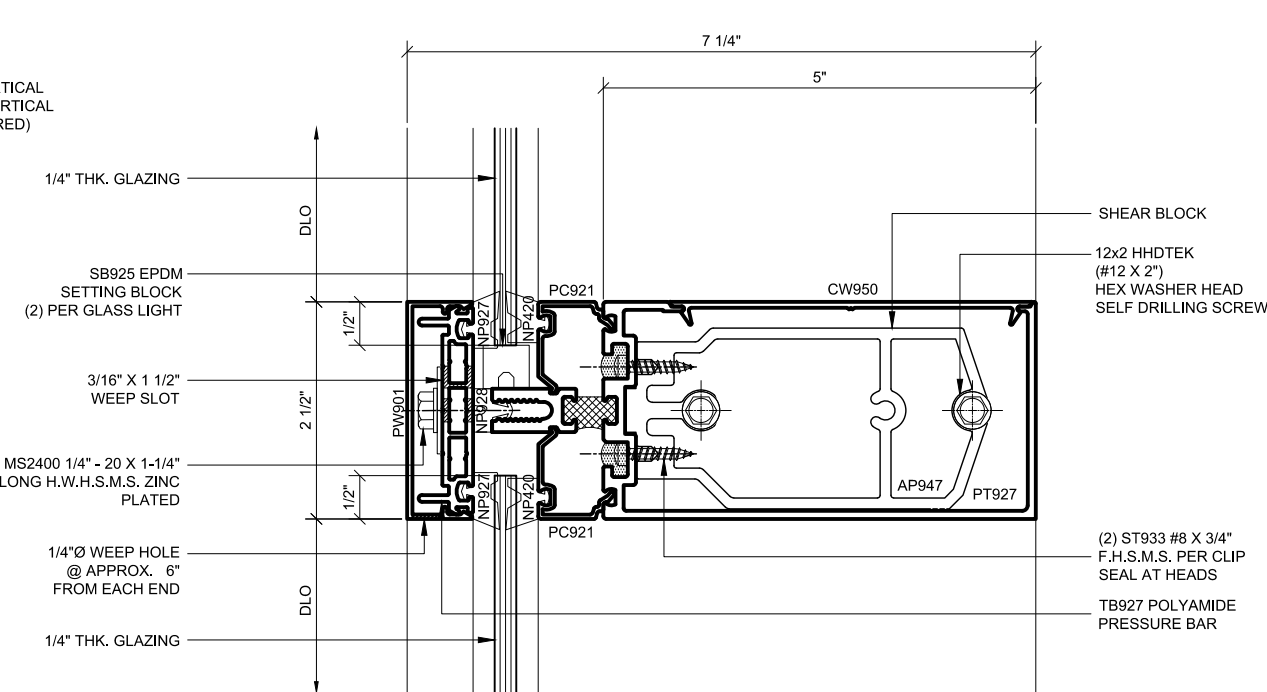


INT. HORIZ. SECTION 13
SINGLE / DOUBLE GLAZED
5\"/>

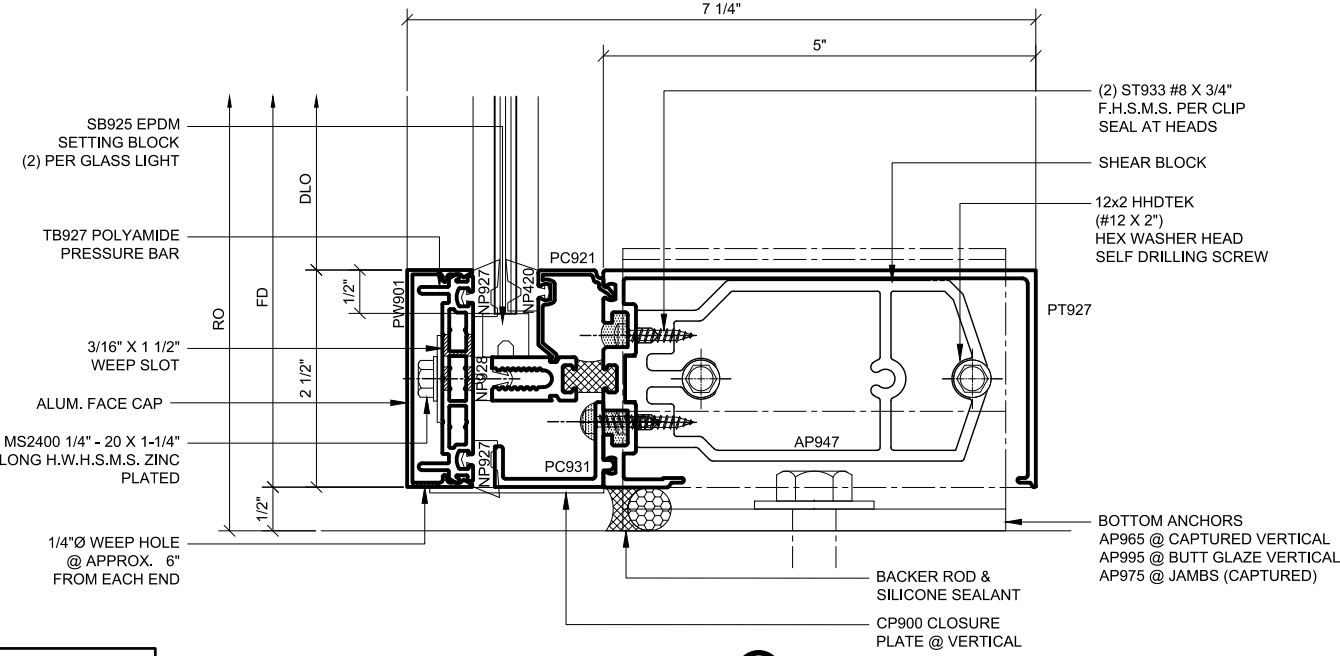


INT. HORIZ. SECTION 14
DOUBLE / SINGLE GLAZED
5\"/>

- NOTES:
- 5\"/>
 - PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION



INT. HORIZ. SECTION 15
SINGLE GLAZED
5\"/>

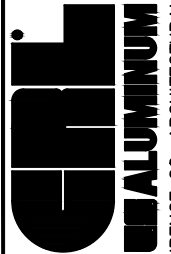


SILL SECTION 16
SINGLE GLAZED
5\"/>

CURTAIN WALL SERIES 3252HP DETAILS

3.2 - TRANSITION SINGLE / DOUBLE GLAZED - 5\"/>

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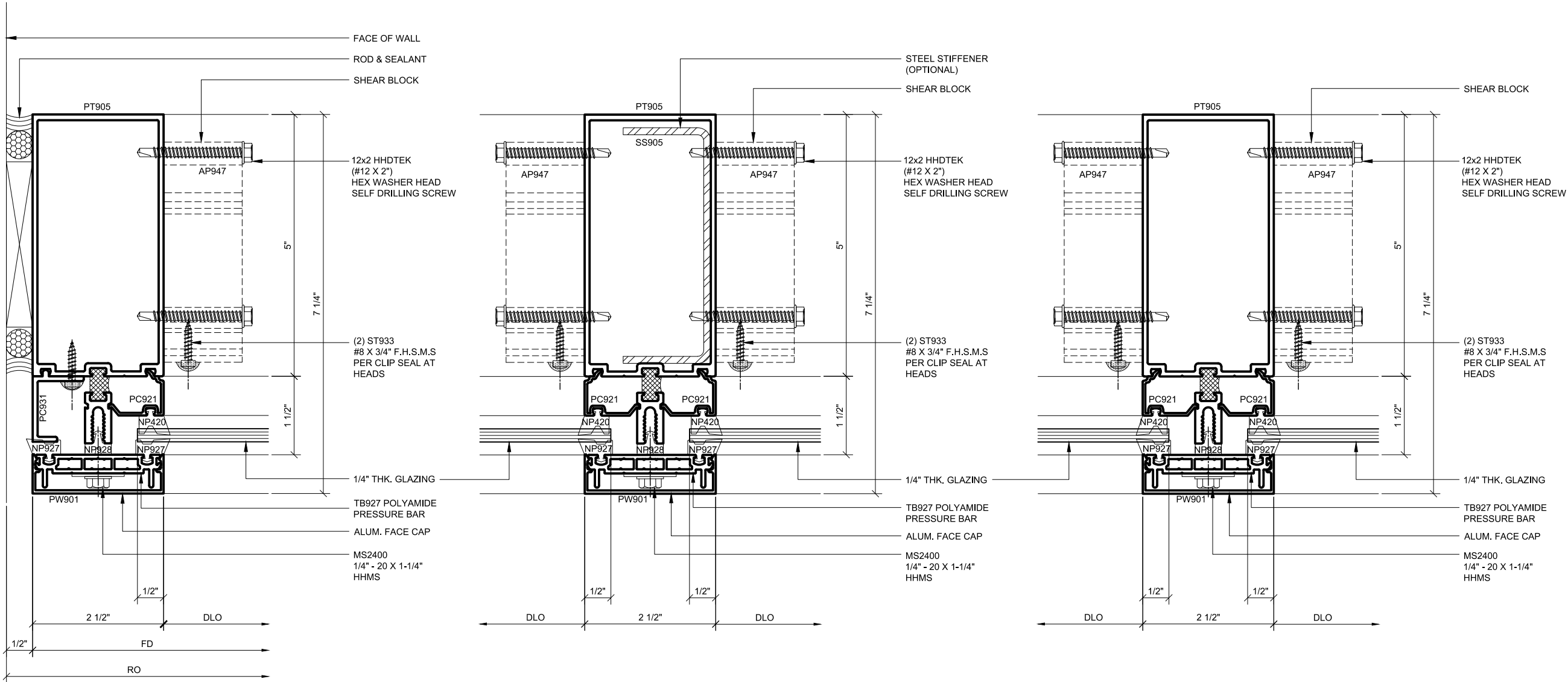
Discription:
U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 08/15/19
Scale: AS NOTED
File Name: 3252HP.dwg
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U.S. ALUMINUM CURTAIN WALL SERIES 3252HP SYSTEM

- NOTES:
1. 5" BACK MEMBER SHOWN;
OTHER SIZES AVAILABLE UPON
REQUEST

2. PART NUMBERS SHOWN ARE
AVAILABLE IN 24 FT. STOCK
LENGTHS. VISIT usalum.com FOR
MORE INFORMATION



JAMB PLAN 17

SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL

1'-0"=1'-0"

INT. VERT. PLAN 18

SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL

1'-0"=1'-0"

INT. VERT. PLAN 18A

SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL

1'-0"=1'-0"

CURTAIN WALL SERIES 3252HP DETAILS

3.3 - TRANSITION SINGLE / DOUBLE GLAZED - 5" BACK MEMBER

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Discription:
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& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

Date: 08/15/19

Scale: AS NOTED

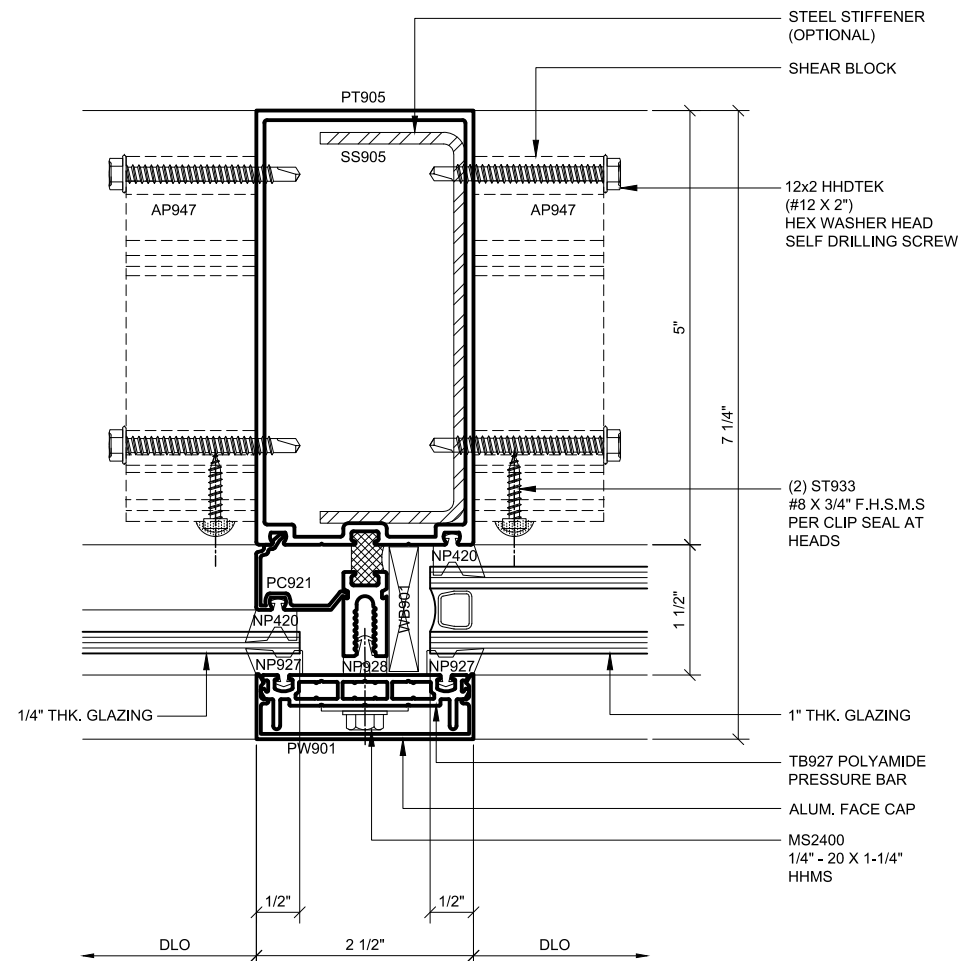
File Name:3252HP.dwg

Sheet

3.3

NOTES:

- 1. 5" BACK MEMBER SHOWN;
OTHER SIZES AVAILABLE UPON
REQUEST**
- 2. PART NUMBERS SHOWN ARE
AVAILABLE IN 24 FT. STOCK
LENGTHS. VISIT usalum.com FOR
MORE INFORMATION**



Technical drawing of a window or door cross-section, showing various components and dimensions. The drawing includes a central vertical section and a horizontal section at the bottom, both labeled with dimensions and component names.

Dimensions:

- Vertical dimensions: 5", 7 1/4", 1 1/2", 1"
- Horizontal dimensions: 1/2", 2 1/2", 1/2"

Components and Labels:

- PT905
- AP947
- 12x2 HHDTEK (#12 X 2") HEX WASHER HEAD SELF DRILLING SCREW
- (2) ST933 #8 X 3/4" F.H.S.M.S PER CLIP SEAL AT HEADS
- PC921
- NP420
- NP927
- NP828
- PW901
- 1/4" THK. GLAZING
- 1" THK. GLAZING
- TB927 POLYAMIDE PRESSURE BAR
- ALUM. FACE CAP
- MS2400 1/4" - 20 X 1-1/4" HHMS
- DLO

CURTAIN WALL SERIES 3252HPSG DETAILS

3.4 - TRANSITION SINGLE / DOUBLE GLAZED - 5" BACK MEMBER

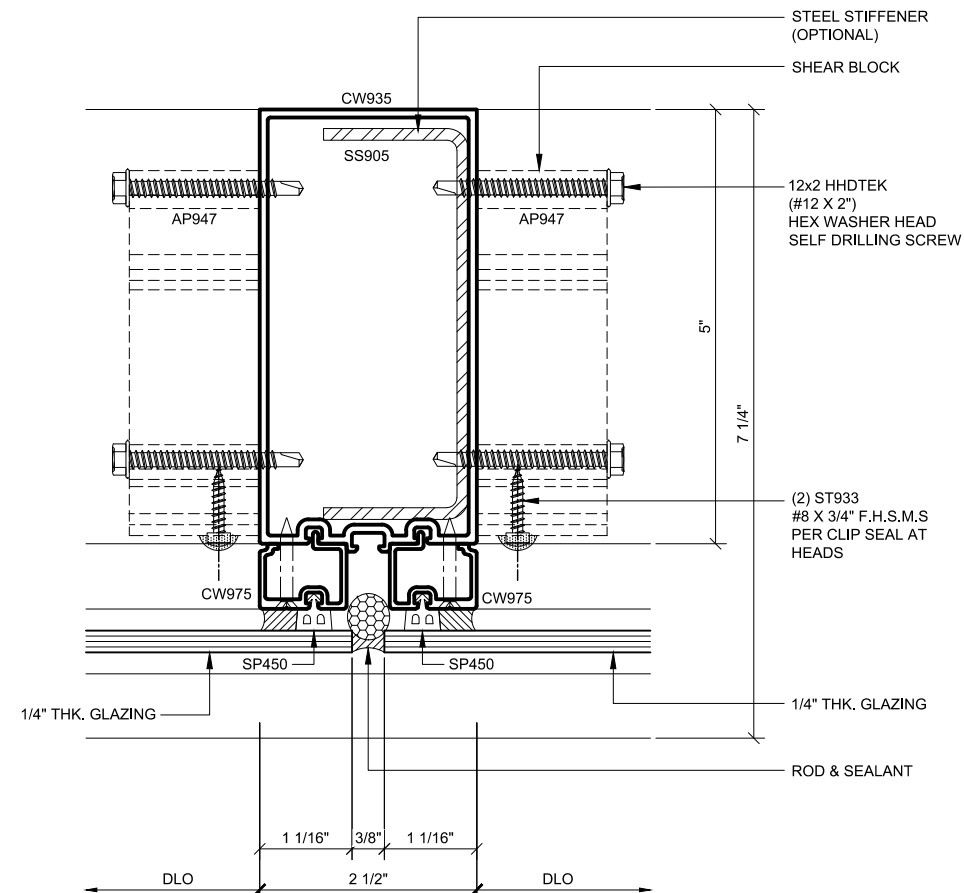
CAL
ALUMINUM

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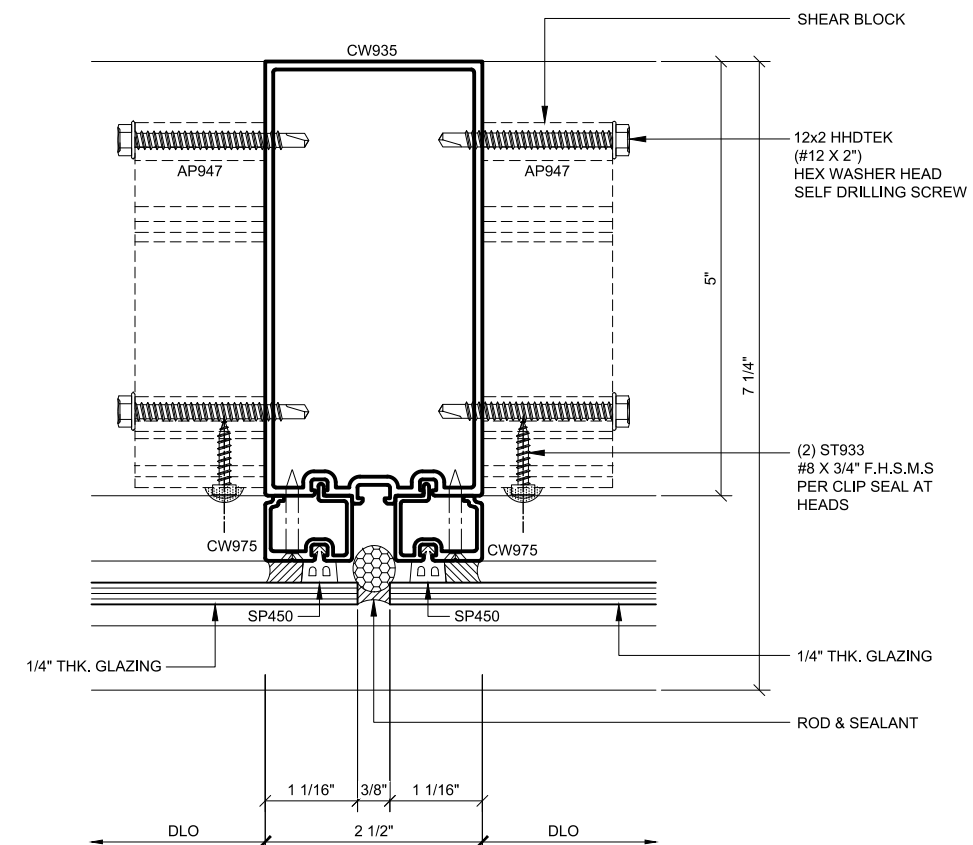
Description: U.S. ALUM. SERIES 3252HP & 3252HPSG CURTAIN WALL HIGH PERFORMANCE THERMALLY BROKEN

3.4

U.S. ALUMINUM CURTAIN WALL SERIES 3252HPSG SYSTEM

INT. VERT. PLAN

SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL

$$1'-0''=1'-0''$$


INT. VERT. PLAN

SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL

$$1'-0''=1'-0''$$

NOTES:

1. 5" BACK MEMBER SHOWN;
OTHER SIZES AVAILABLE UPON
REQUEST
2. PART NUMBERS SHOWN ARE
AVAILABLE IN 24 FT. STOCK
LENGTHS. VISIT usalum.com FOR
MORE INFORMATION

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Discription:

U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

Date: 08/15/19

Scale:	AS NOTED
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File Name3252HP.dwg

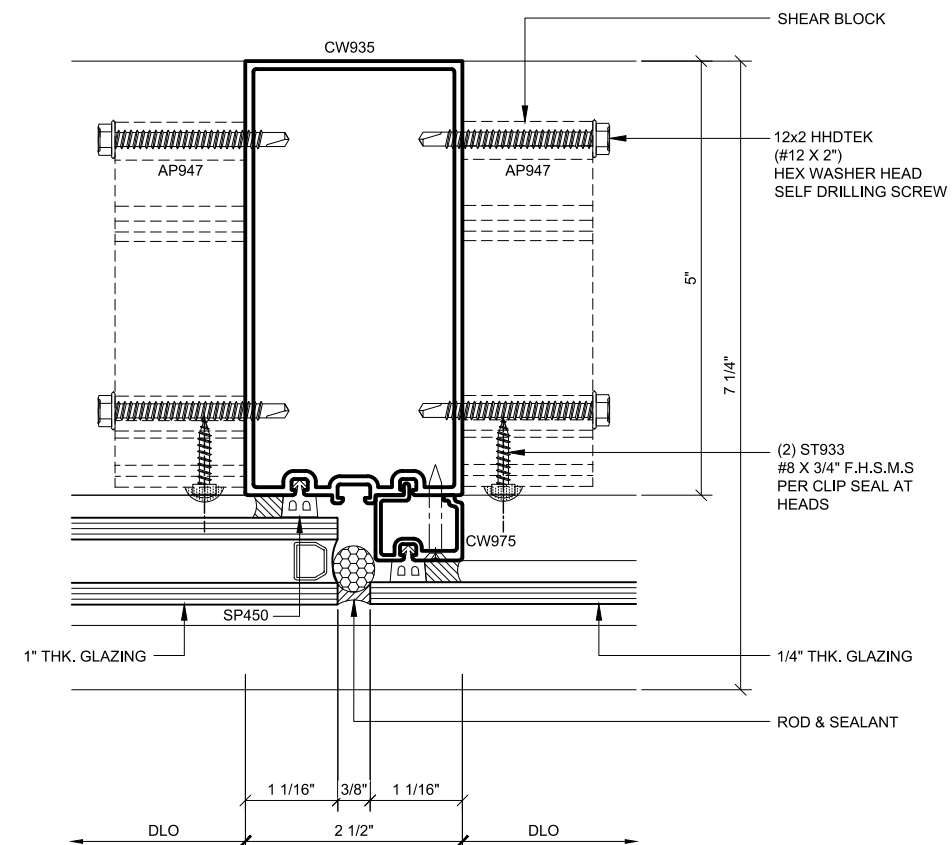
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3.5

CURTAIN WALL SERIES 3252HPSG DETAILS

3.5 - TRANSITION SINGLE / DOUBLE GLAZED - 5" BACK MEMBER

Revisions By:



2. PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION

SINGLE / DOUBLE GLAZED 1'-0"=1'-0"
5" BACK MEMBER
TRANSITION DETAIL

3.6 - TRANSITION SINGLE / DOUBLE GLAZED - 5" BACK MEMBER

U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

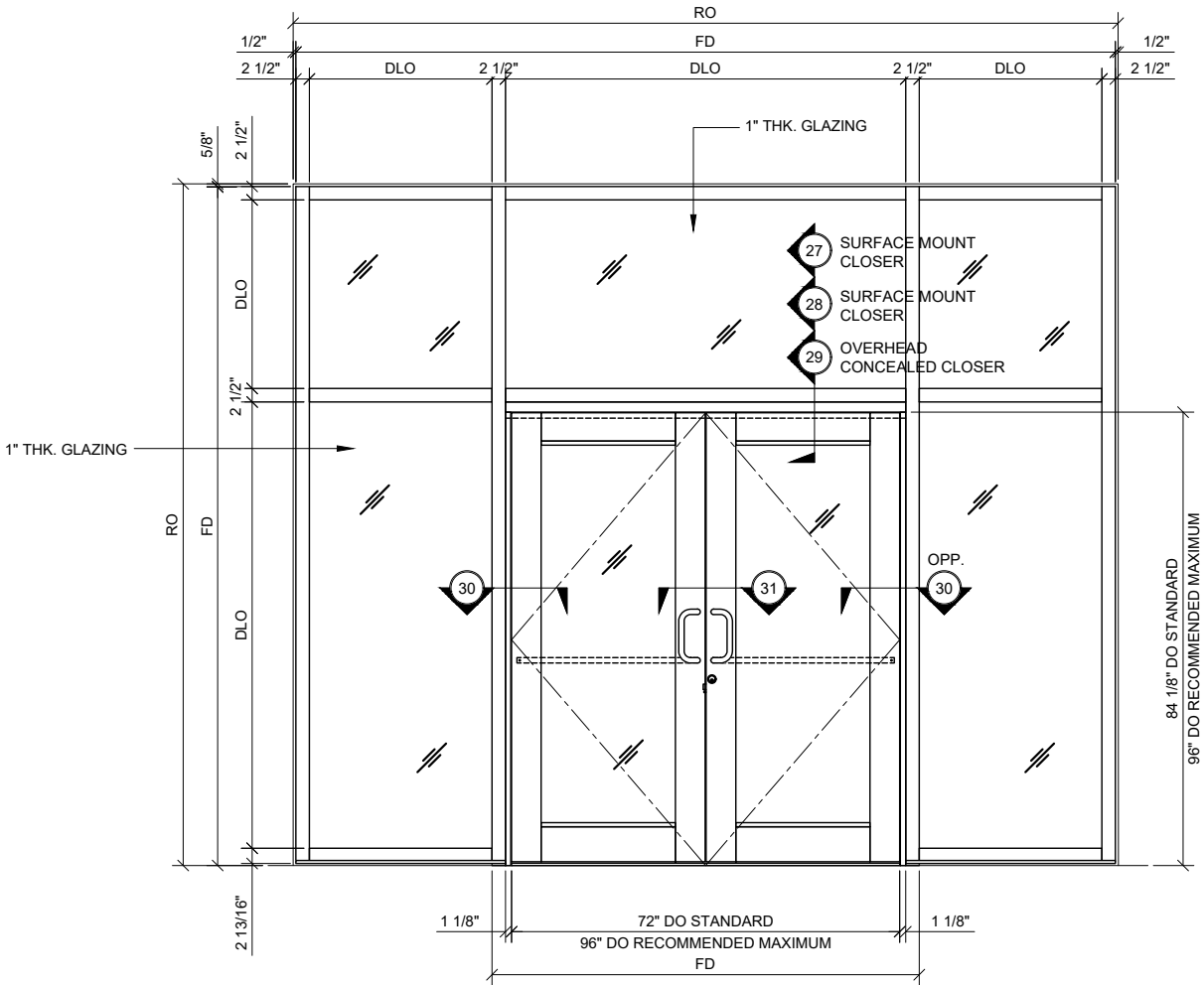
3.6

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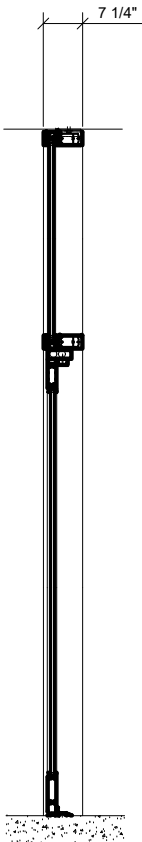


U.S. ALUMINUM CURTAIN WALL SERIES 3252HP SYSTEM

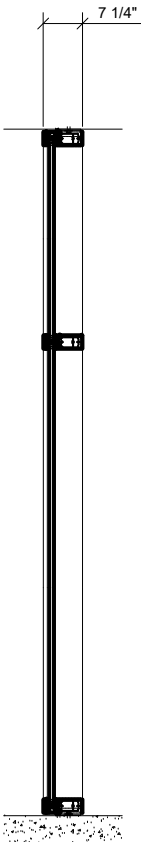
STANDARD ABBREVIATIONS	
RO	ROUGH OPENING
FD	FRAME DIMENSION
DLO	DAYLITE OPENING
DO	DOOR OPENING
DD	DOOR DIMENSION
SMC	SURFACE MOUNTED CLOSER
OHCC	OVERHEAD CONCEALED CLOSER



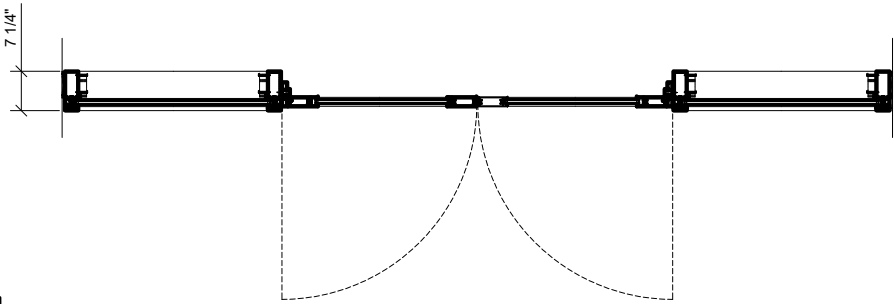
TYP. ELEVATION: THERMAL ENTRANCE
WITH SUB-FRAME
1" THICK DOUBLE GLAZED
5" BACK MEMBER



SECTION
3/4" = 1'-0"



SECTION
3/4" = 1'-0"



TYP. PLAN: THERMAL ENTRANCE
WITH SUB-FRAME
1" THICK DOUBLE GLAZED
5" BACK MEMBER

NOTE:
1. SERIES 3252HP CURTAIN WALL SHOWN WITH SERIES 400-T MEDIUM STILE THERMAL ENTRANCE DOOR
2. SERIES 400-T MEDIUM STILE AND 550-T WIDE STILE THERMAL ENTRANCES ARE STANDARD. SERIES 250, AND 550 NON-THERMAL ENTRANCES AVAILABLE ON REQUEST

CURTAIN WALL SERIES 3252HP TYPICAL ELEVATIONS

4.1 HIGH PERFORMANCE - THERMALLY BROKEN - CAPTURED VERTICAL GLAZED CURTAIN WALL

Revisions By:

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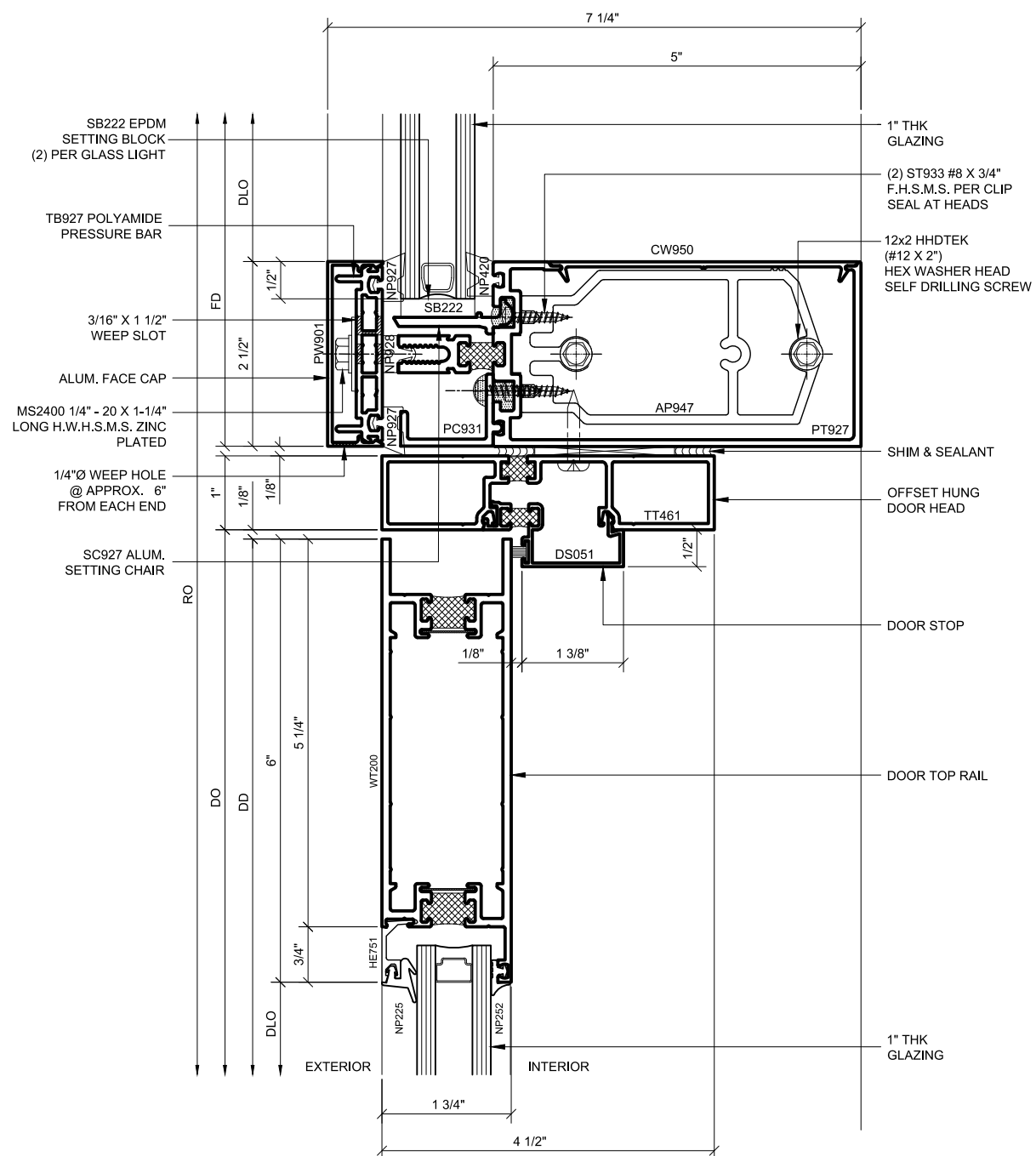
Description:
U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 08/15/19
Scale: AS NOTED
File Name: 3252HP.dwg

Sheet

4.1

Revisions By:



SERIES 400-T MEDIUM STILE AND 550-T WIDE STILE THERMAL ENTRANCES ARE STANDARD. SERIES 250, 400 AND 550 NON-THERMAL ENTRANCES ARE AVAILABLE ON REQUEST.

SCALE: FULL SIZE

SCALE: FULL SIZE

4.2 - THERMAL ENTRANCE WITH SUB-FRAME

CAL
ALUMINUM

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Discipline:
U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

4.2

HEAD SECTION w/ OHCC 29

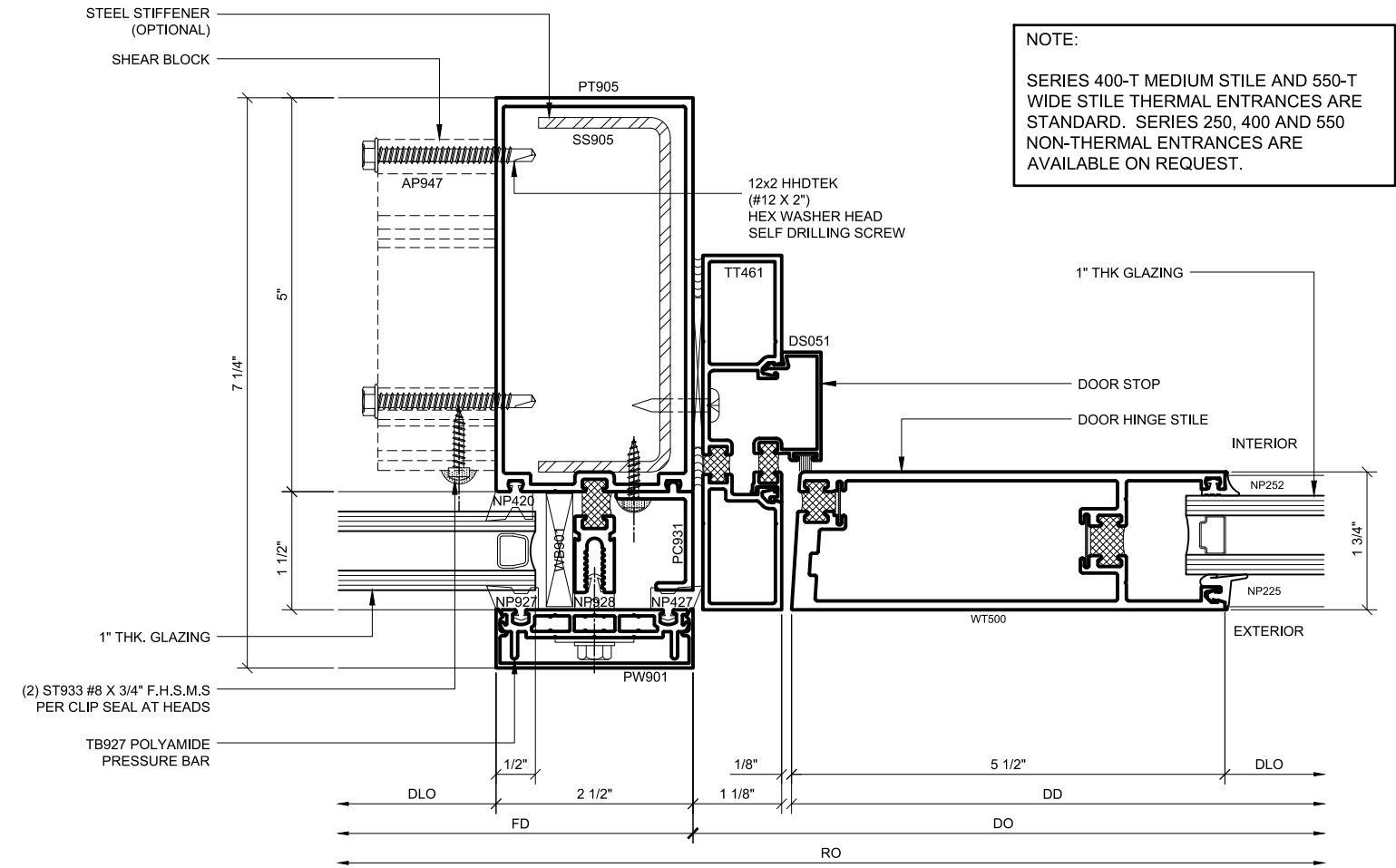
DOUBLE GLAZED
5" BACK MEMBER

SCALE: FULL SIZE



4.3

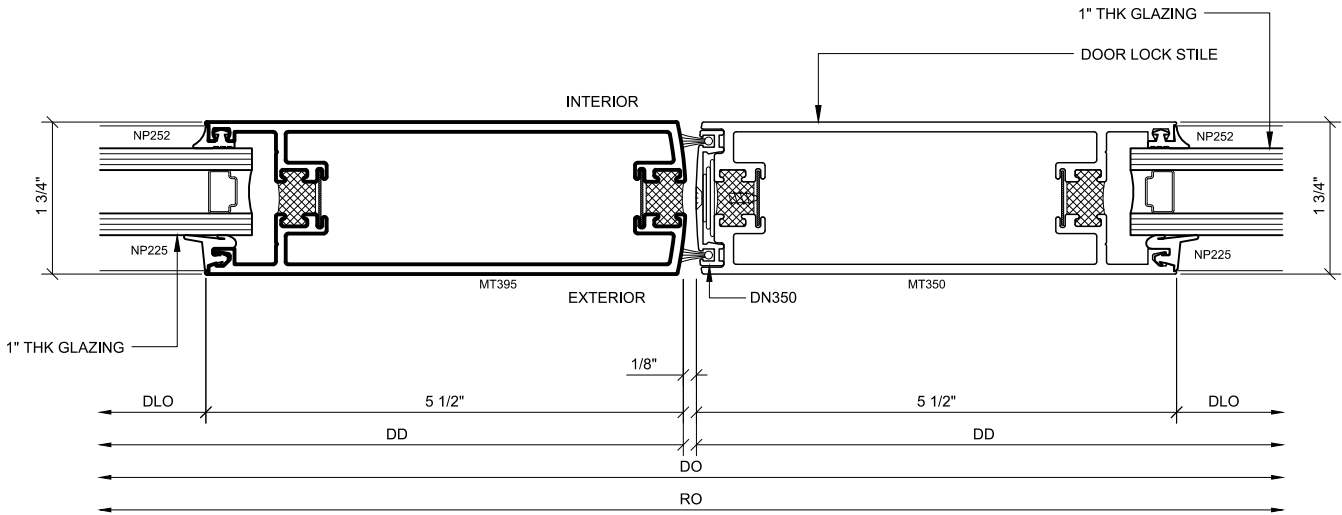
U.S. ALUMINUM CURTAIN WALL SERIES 3252HP SYSTEM



NOTE:
SERIES 400-T MEDIUM STILE AND 550-T WIDE STILE THERMAL ENTRANCES ARE STANDARD. SERIES 250, 400 AND 550 NON-THERMAL ENTRANCES ARE AVAILABLE ON REQUEST.

SECTION DETAIL @ DOOR JAMB 30

DOUBLE GLAZED 5" BACK MEMBER SCALE: FULL SIZE



SECTION DETAIL @ MEETING STILES 31

DOUBLE GLAZED SCALE: FULL SIZE

CURTAIN WALL SERIES 3252HP DETAILS

4.4 - THERMAL ENTRANCE WITH SUB-FRAME

Revisions By:



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Description:
U.S. ALUM. SERIES 3252HP
& 3252HPSG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 08/15/19
Scale: AS NOTED
File Name: 3252HP.dwg

Sheet

4.4