

U.S. ALUMINUM HIGH PERFORMANCE THERMALLY BROKEN CURTAIN WALL SERIES HP3253 / HP3253SG SYSTEM

HIGH PERFORMANCE THERMALLY BROKEN CURTAIN WALL SERIES HP3253 / HP3253SG 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 HP3253 High Performance Curtain Wall Systems are Thermally Broken by a continuous Thermal Spacer interlocked with pressure plates and our Fill and Debridge Technology. The HP3253 uses two Fill and Debridge pockets with the Thermal Spacer, providing three 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.

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

TABLE OF CONTENTS: SERIES HP3253 / HP32523G

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SERIES	WIDTH	DEPTH	GLAZING INFILL	APPLICATIONS
HP3253 HP3253SG	2-1/2" (63.5)	8" (203.2)	2" (51) Triple Pane Vision 1" (25) Double Pane Spandrel or 1/4" (6) Spandrel	Low-Rise to Mid-Rise Buildings Where High Performance Exterior Glazing is Required

Revisions By:

Discription:

U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

Date: 04/29/15

Scale: AS NOTED

File Name: HP3253.dwg

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COVER

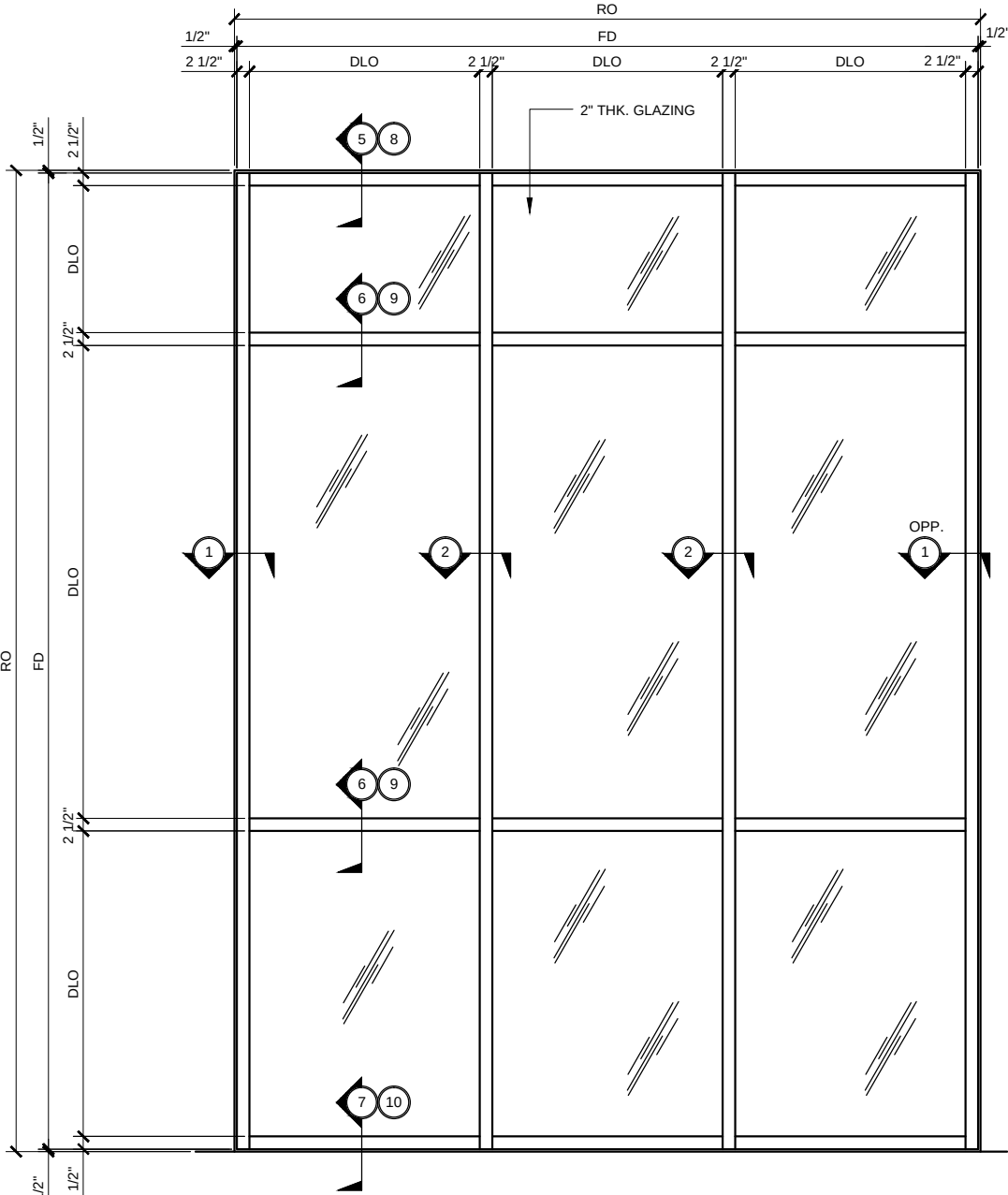
STANDARD ABBREVIATIONS	
RO	ROUGH OPENING
FD	FRAME DIMENSION
DLO	DAYLITE OPENING
DO	DOOR OPENING
DD	DOOR DIMENSION
SMC	SURFACE MOUNTED CLOSER
OHCC	OVERHEAD CONCEALED CLOSER

Revisions By:

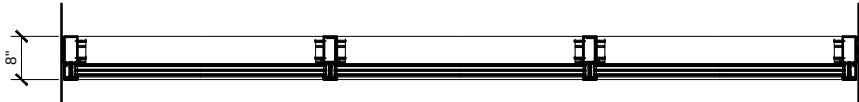
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2503 E. Vernon Avenue, Los Angeles, CA 90038-1897
PH: (800)-421-6144 FX: (800)-867-7501 www.crlaurence.com



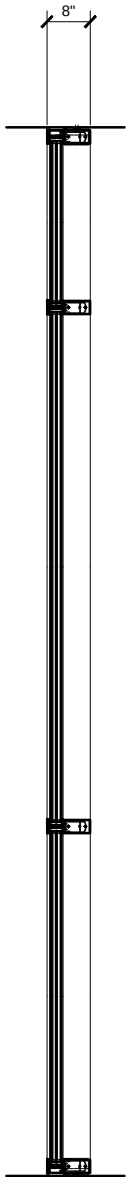
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& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN



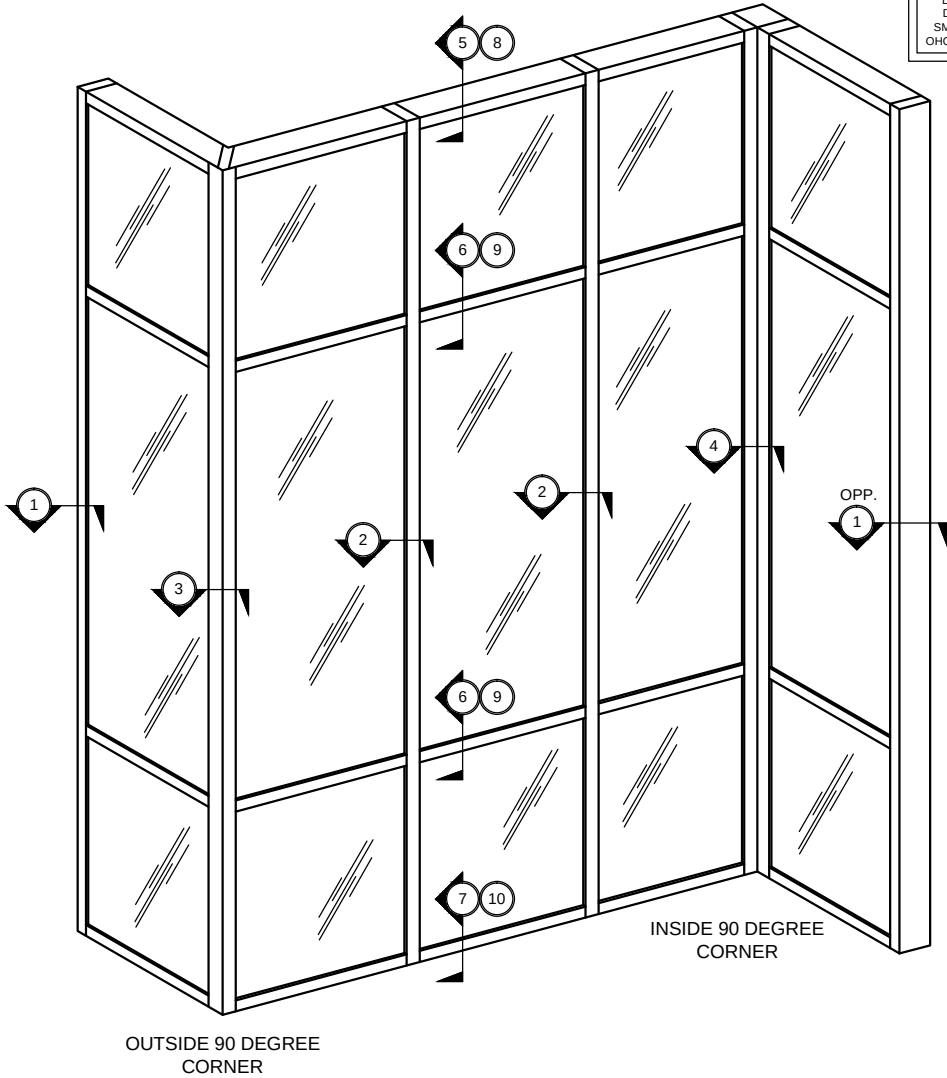
TYPICAL CURTAIN WALL ELEVATION
2" THICK TRIPLE GLAZED
5" BACK MEMBER



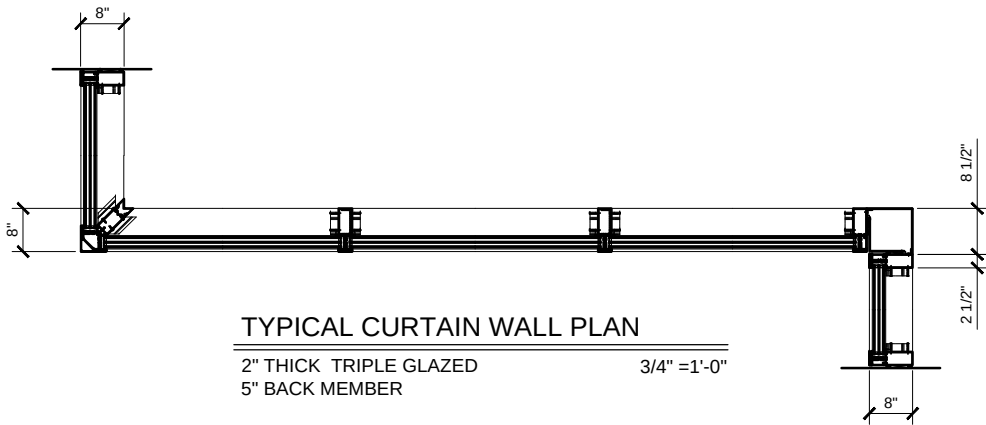
TYPICAL CURTAIN WALL PLAN
2" THICK TRIPLE GLAZED
5" BACK MEMBER



SECTION
3/4" =1'-0"



TYPICAL CURTAIN WALL ELEVATION
2" THICK TRIPLE GLAZED
5" BACK MEMBER



TYPICAL CURTAIN WALL PLAN
2" THICK TRIPLE GLAZED
5" BACK MEMBER

NOTE: TUBULAR HORIZONTALS
MUST BE USED WHEN SPAN
EXCEEDS 6'-0" OR IF DEADLOAD
EXCEEDS 250 LBS.

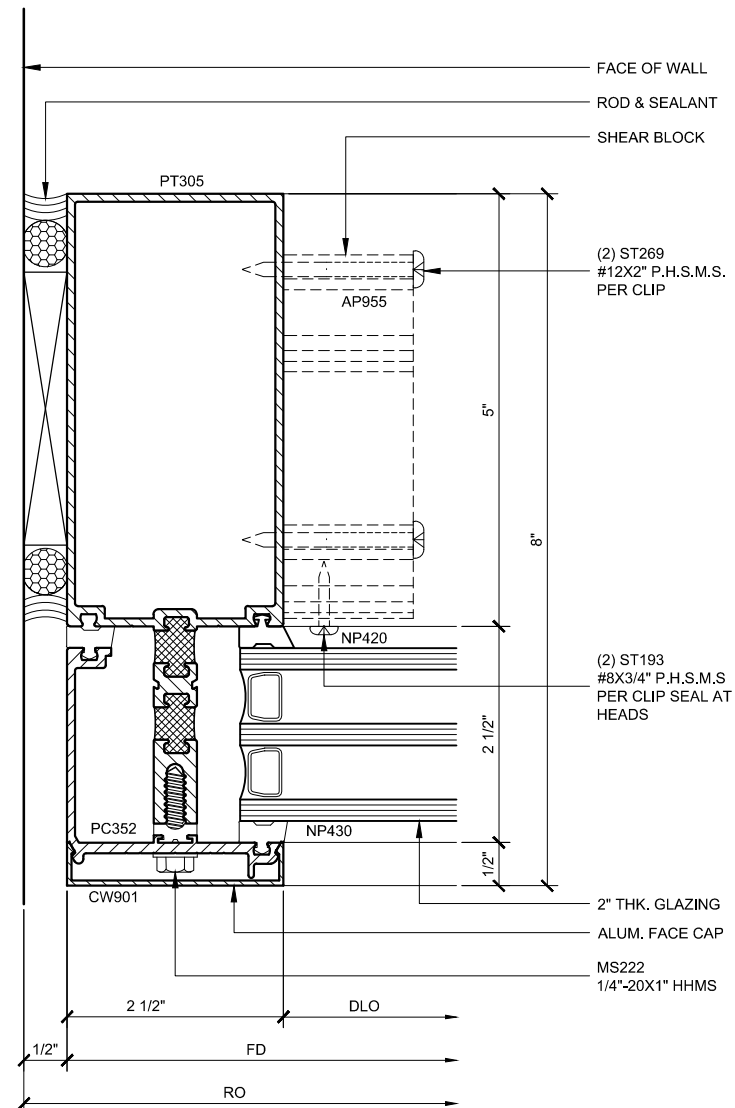
CURTAIN WALL SERIES HP3253 TYPICAL ELEVATIONS

HP3253.1.1 HIGH PERFORMANCE - THERMALLY BROKEN - CAPTURED VERTICAL GLAZED CURTAIN WALL

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HP3253.1.1

U.S. ALUMINUM CURTAIN WALL SERIES HP3253 / HP3253SG SYSTEM



JAMB PLAN 1

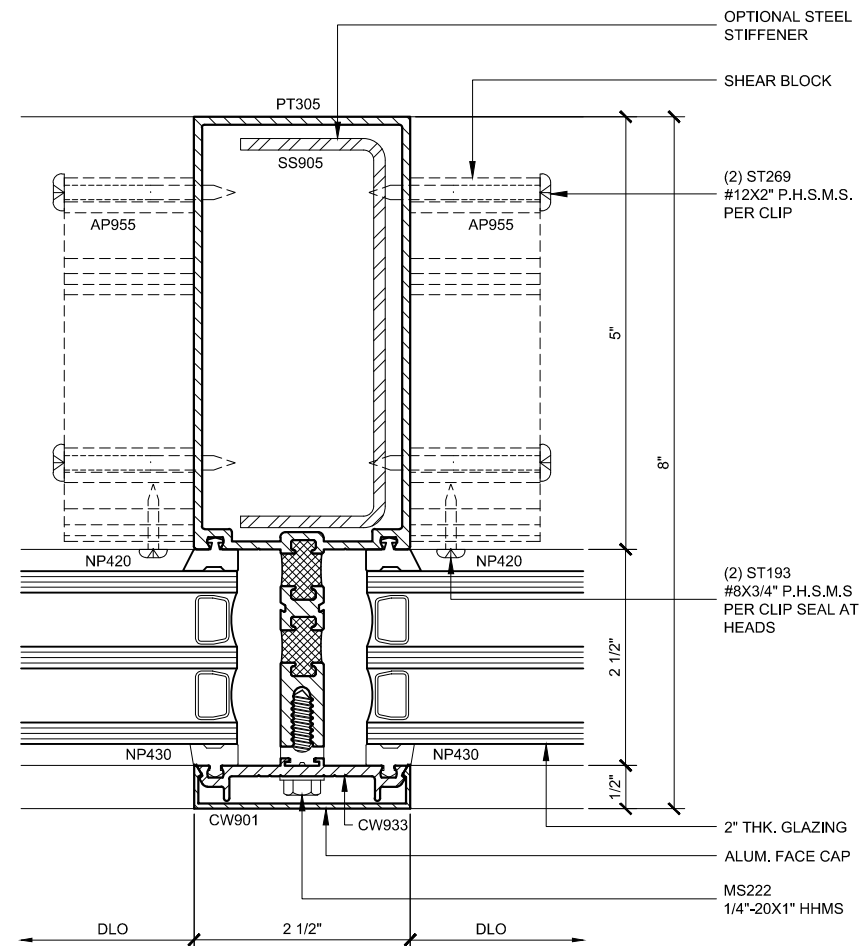
HP3253.1.2.01 1'-0"=1'-0"

TRIPLE GLAZED

5" BACK MEMBER

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



INT. VERT. PLAN (2)

CURTAIN WALL SERIES HP3253 / HP3253SG DETAILS

HP3253.1.2 - TRIPLE GLAZED - 5" BACK MEMBER

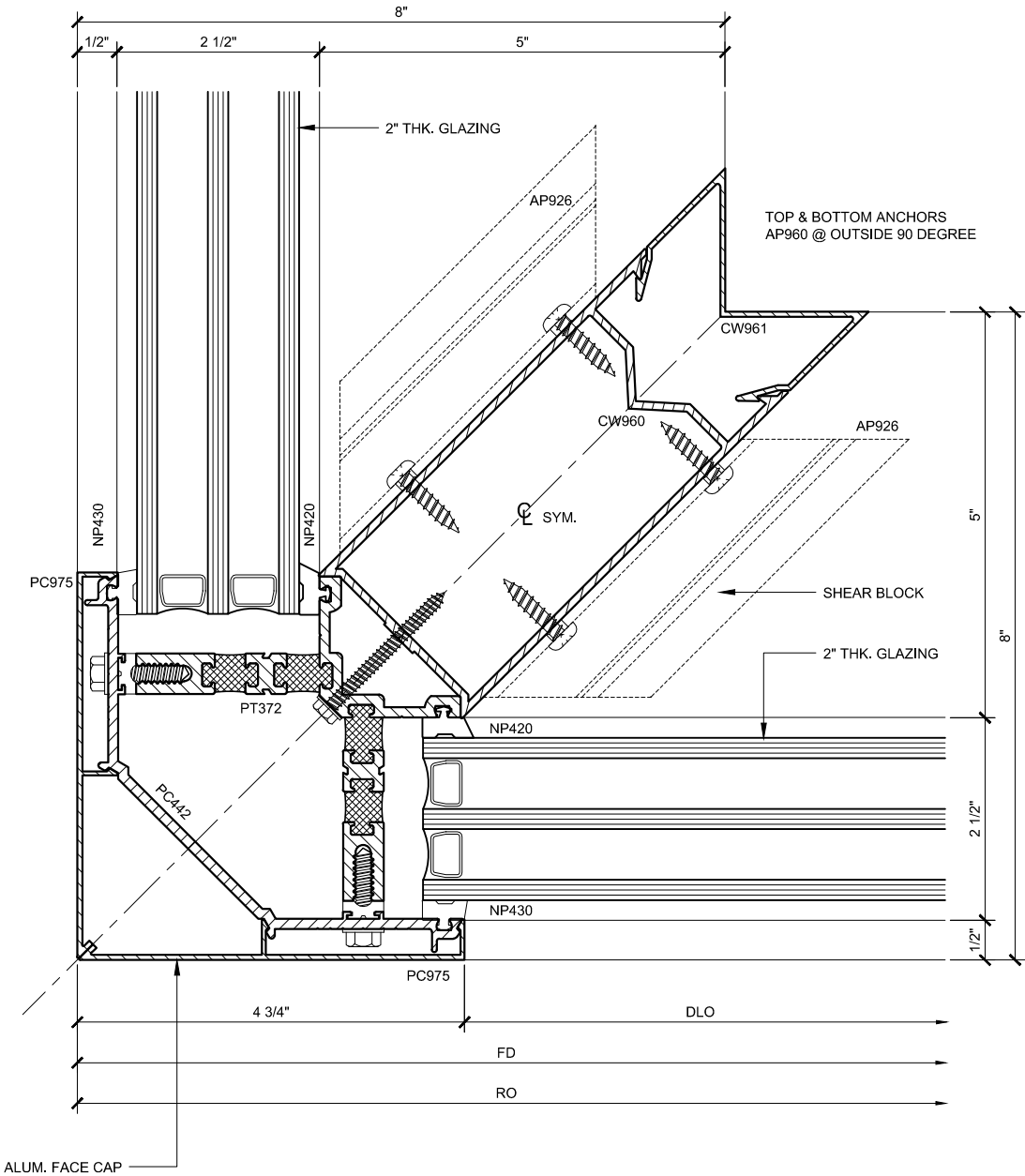
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Description:
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& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

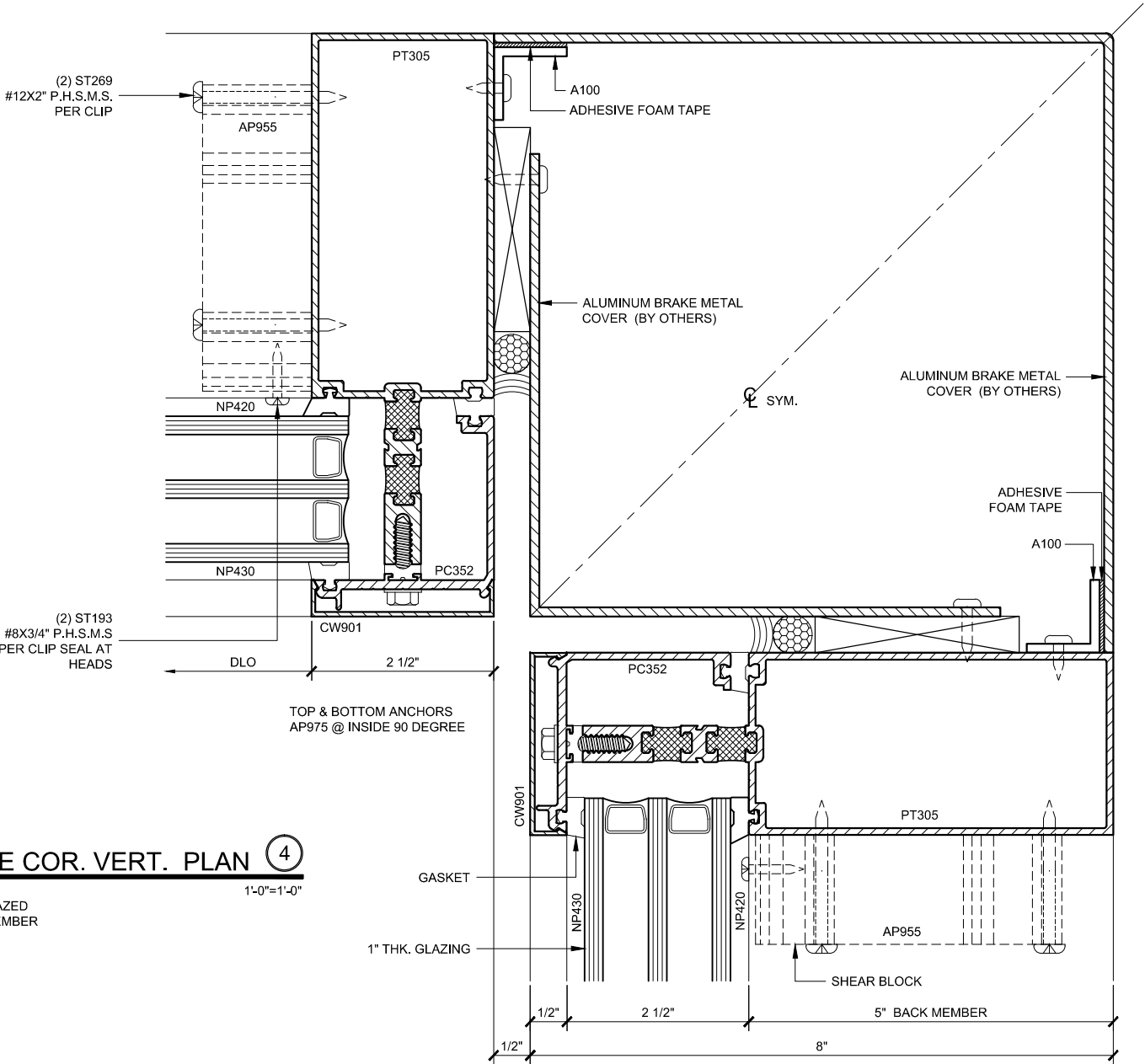
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HP3253.1.2



OUTSIDE COR. VERT. PLAN ③
3252.1.3.03
TRIPLE 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



INSIDE COR. VERT. PLAN ④
3252.1.3.04
TRIPLE GLAZED
5" BACK MEMBER
1'-0"=1'-0"

CURTAIN WALL SERIES HP3253 / HP3253SG DETAILS

HP3253.1.3 - TRIPLE GLAZED - 5" BACK MEMBER

Revisions By:

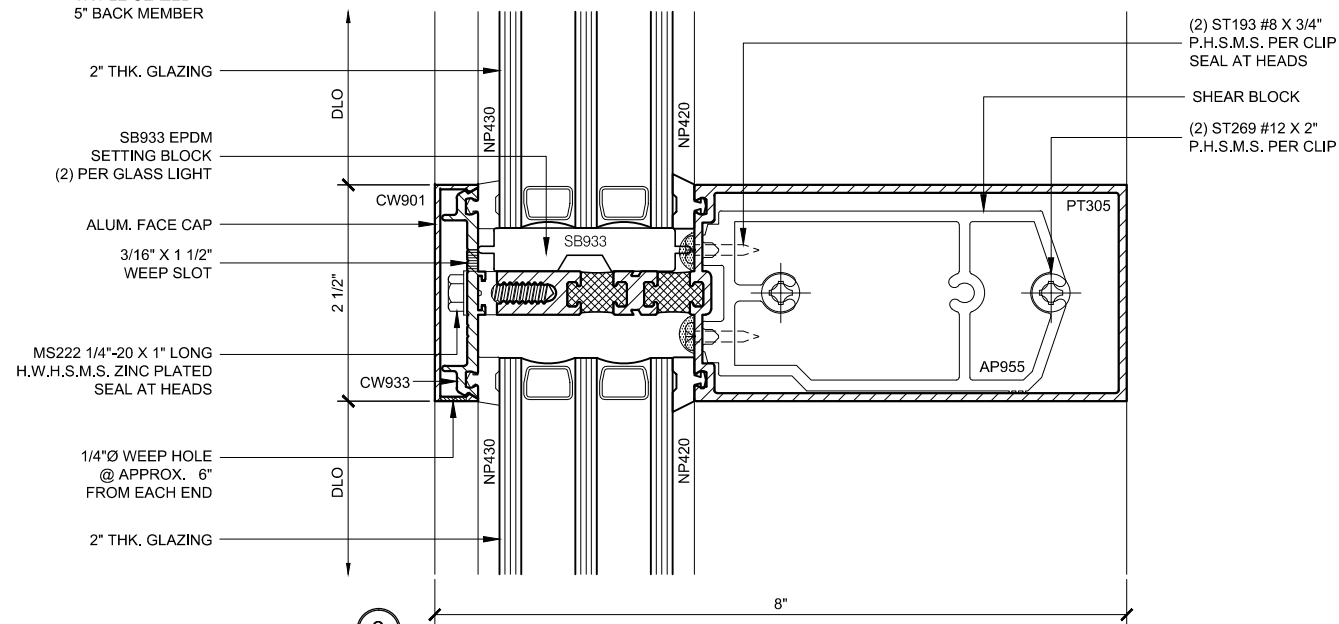
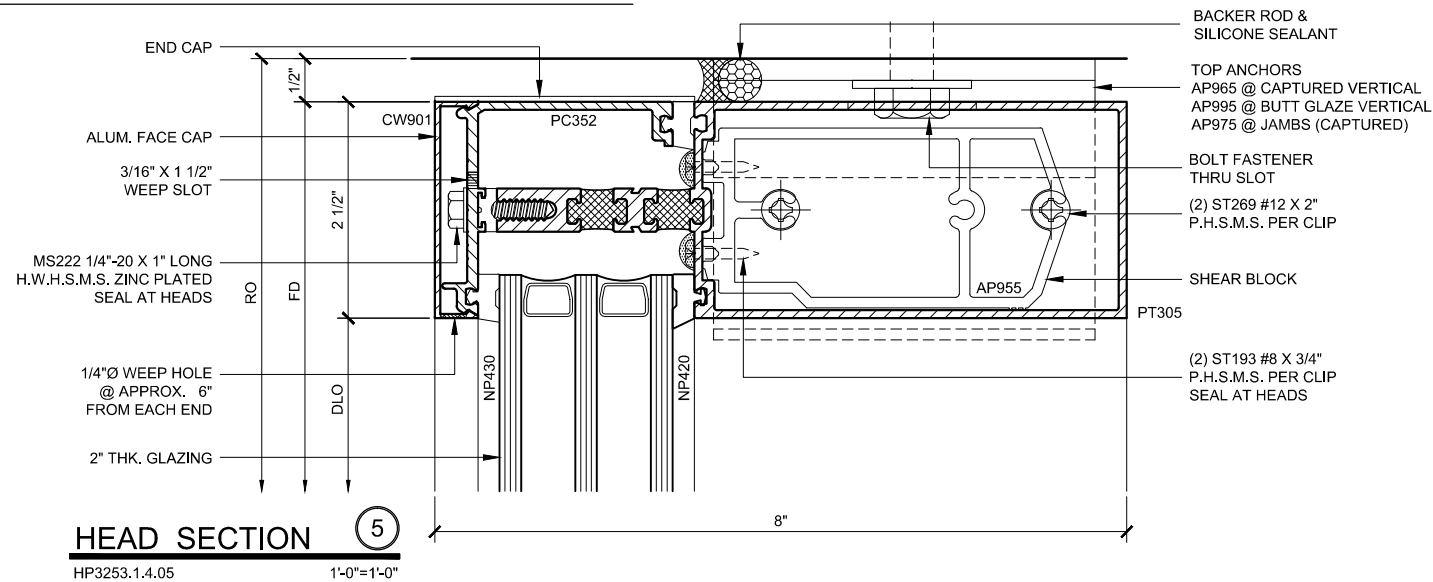
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& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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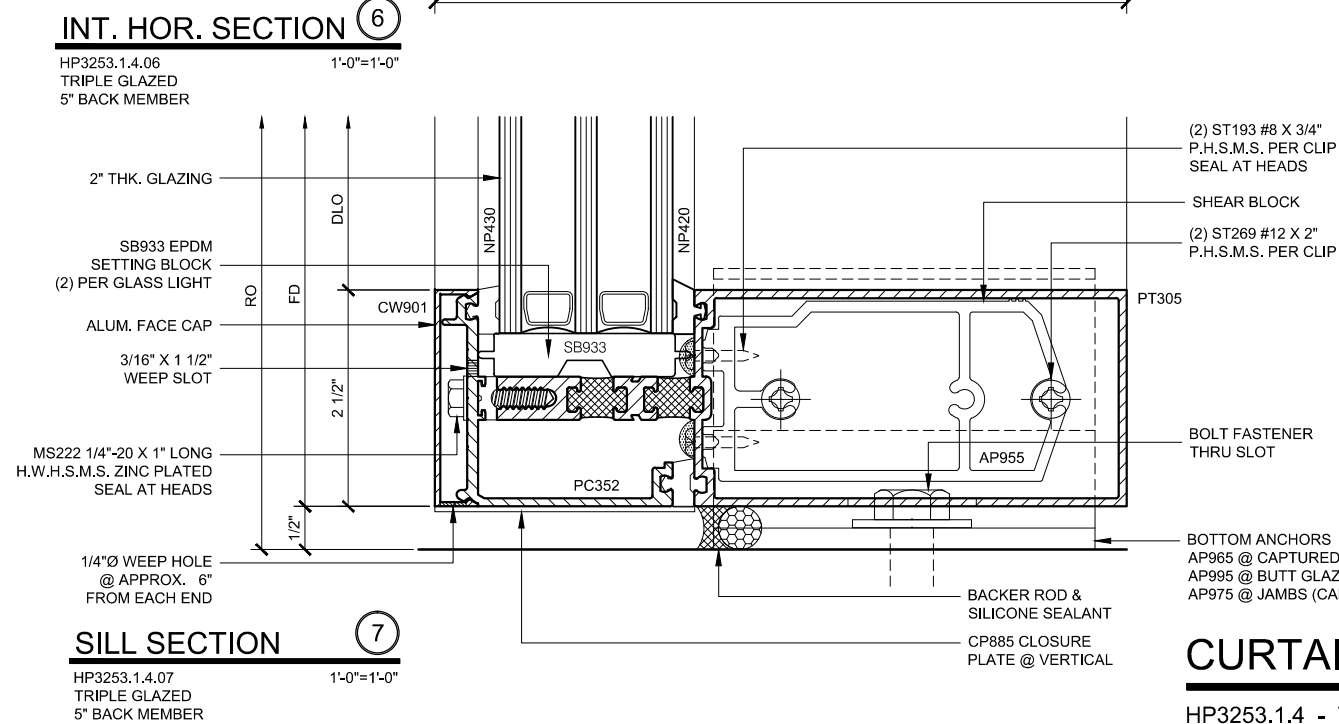
HP3253.1.3

U.S. ALUMINUM CURTAIN WALL SERIES HP3253 / HP3253SG SYSTEM



NOTES:

1. 5" (127) 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
3. TUBULAR HORIZONTALS MUST BE USED WHEN SPAN EXCEEDS 6'-0" OR IF DEADLOAD EXCEEDS 250 LBS.



CURTAIN WALL SERIES HP3253 / HP3253SG DETAILS

HP3253.1.4 - TRIPLE GLAZED - 5" BACK MEMBER

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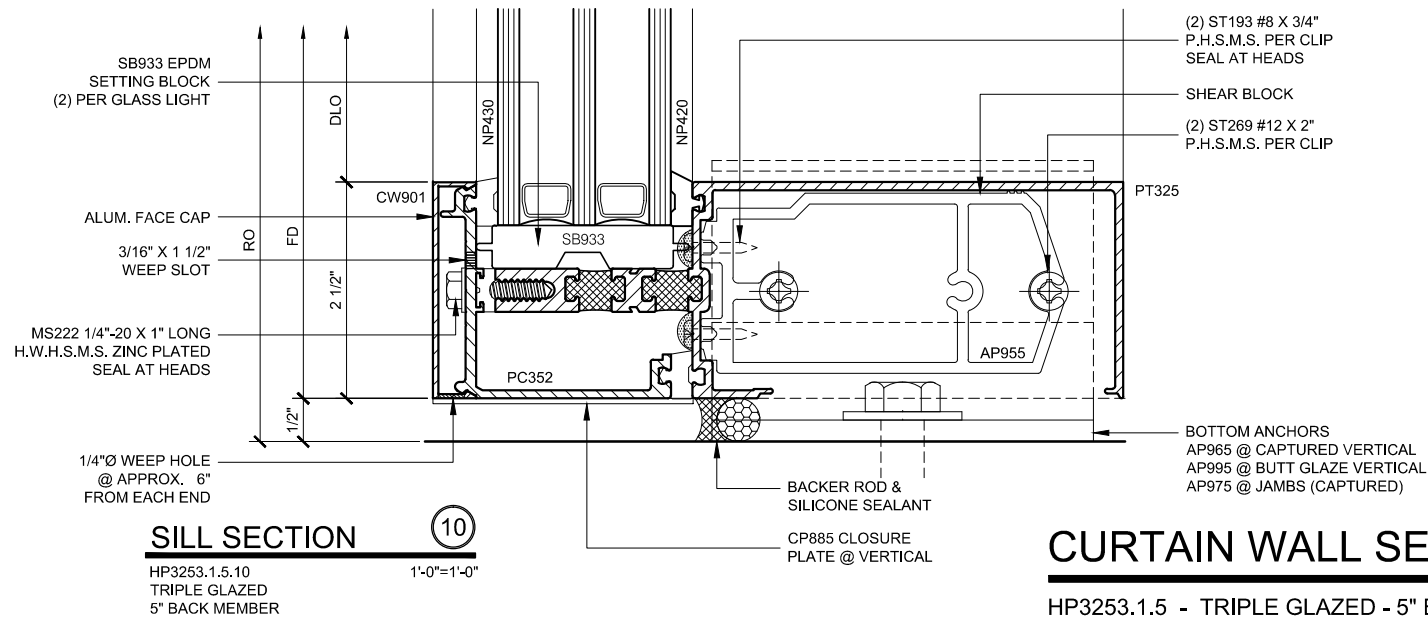
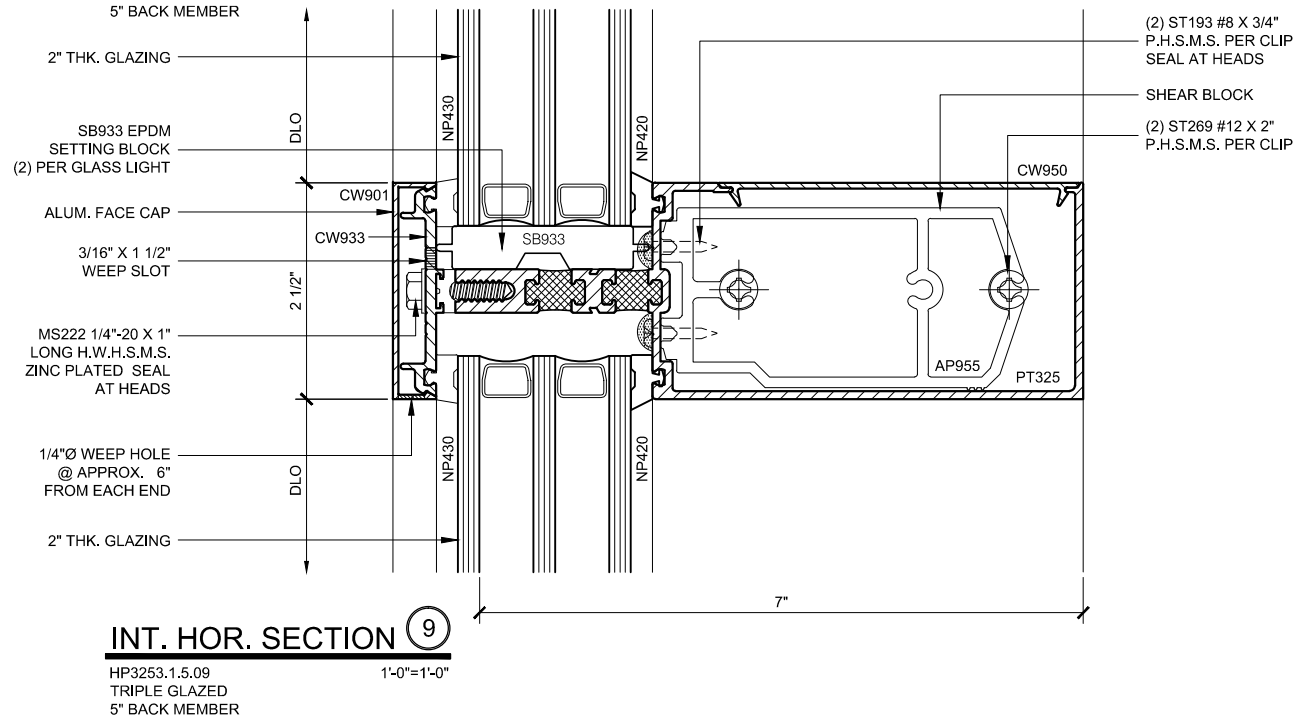
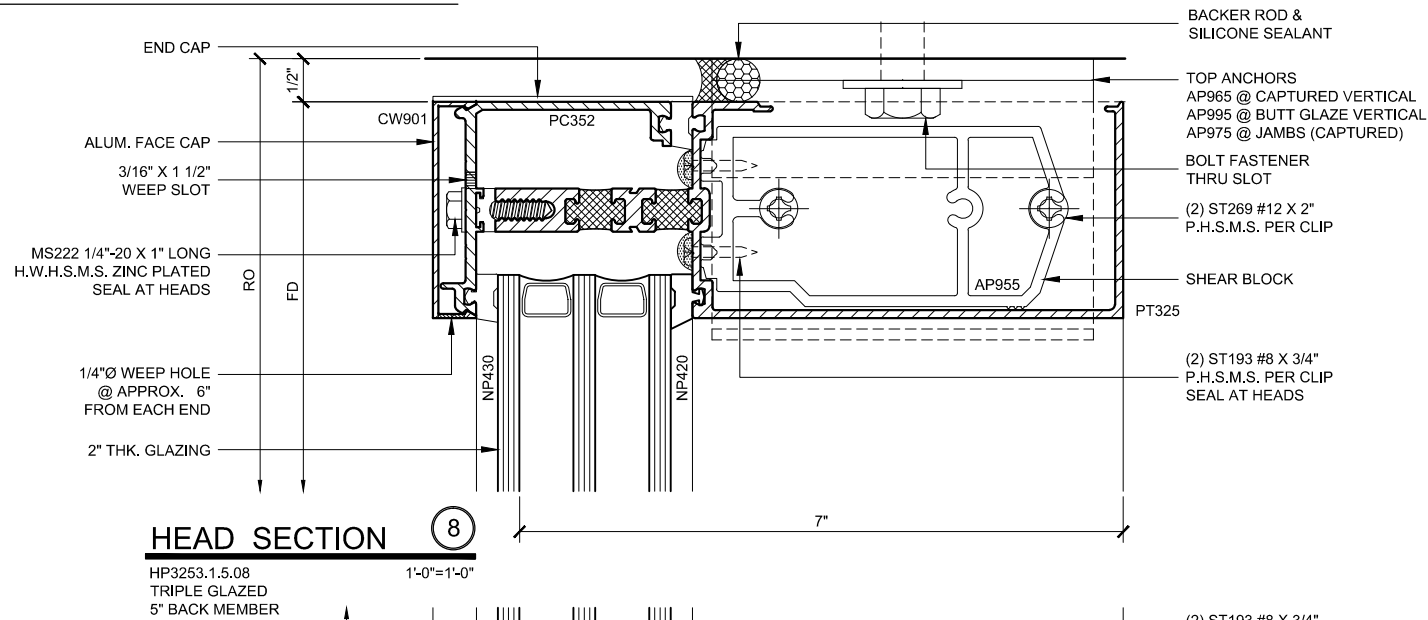
Discription:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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Date: 04/29/15
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File Name: HP3253.dwg

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HP3253.1.4

U.S. ALUMINUM CURTAIN WALL SERIES HP3253 / HP3253SG SYSTEM



- NOTES:
- 5" (127) BACK MEMBER SHOWN; OTHER SIZES AVAILABLE UPON REQUEST
 - PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION
 - TUBULAR HORIZONTALS MUST BE USED WHEN SPAN EXCEEDS 6'-0" OR IF DEADLOAD EXCEEDS 250 LBS.

CURTAIN WALL SERIES HP3253 / HP3253SG DETAILS

HP3253.1.5 - TRIPLE GLAZED - 5" BACK MEMBER

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Discription:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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HP3253.1.5

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:

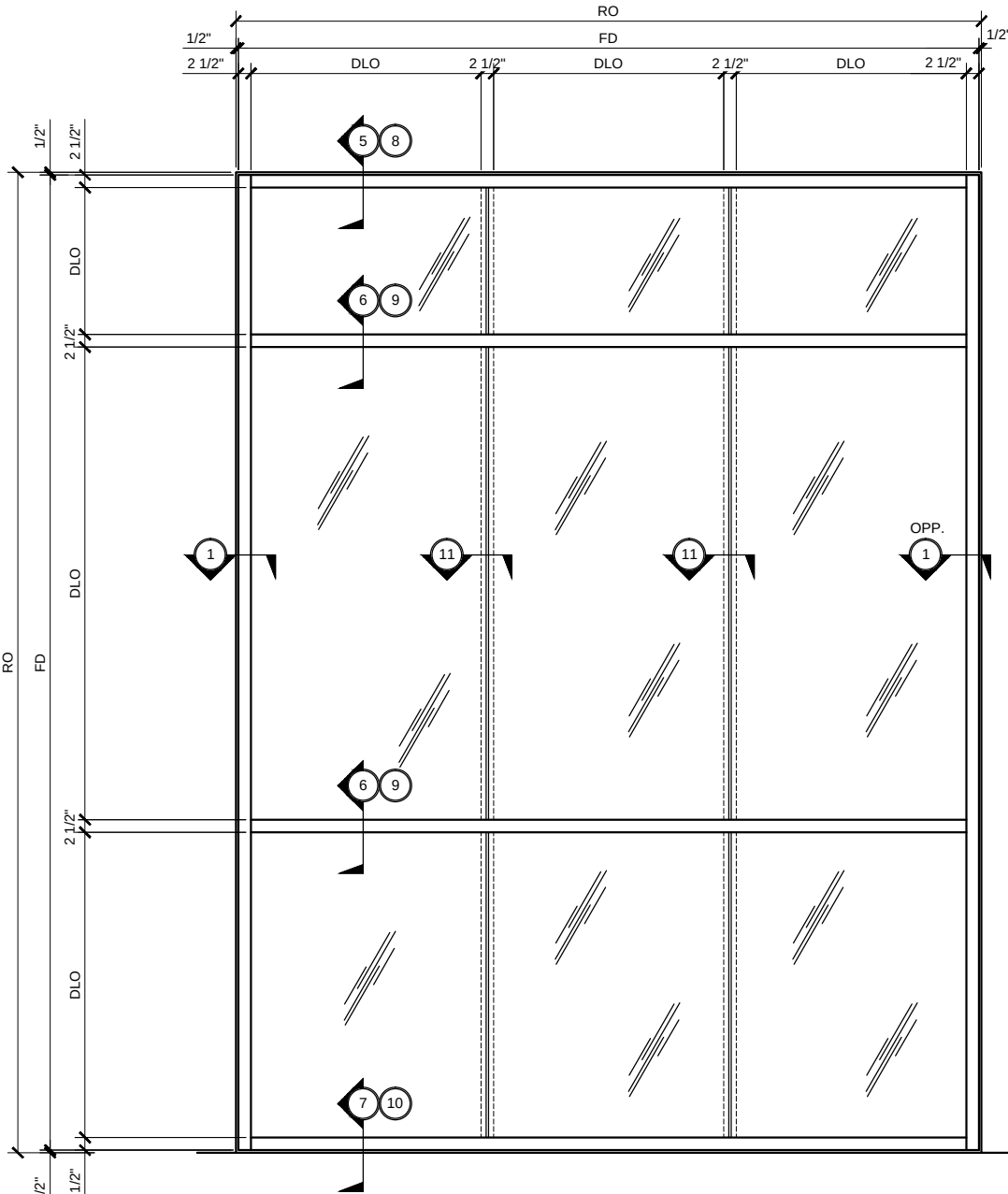
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ALUMINUM

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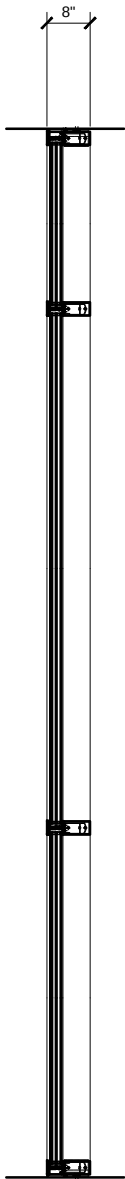
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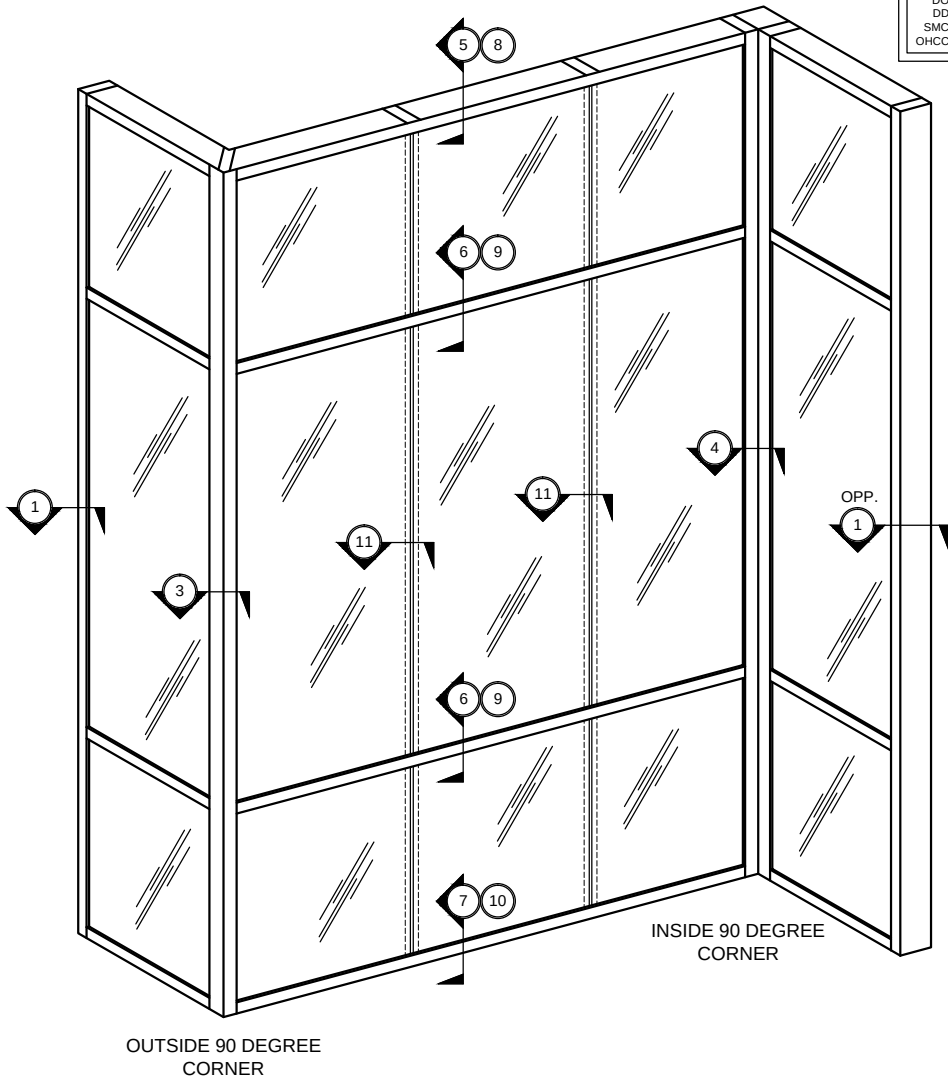
TYPICAL CURTAIN WALL ELEVATION
2" THICK TRIPLE GLAZED
5" BACK MEMBER



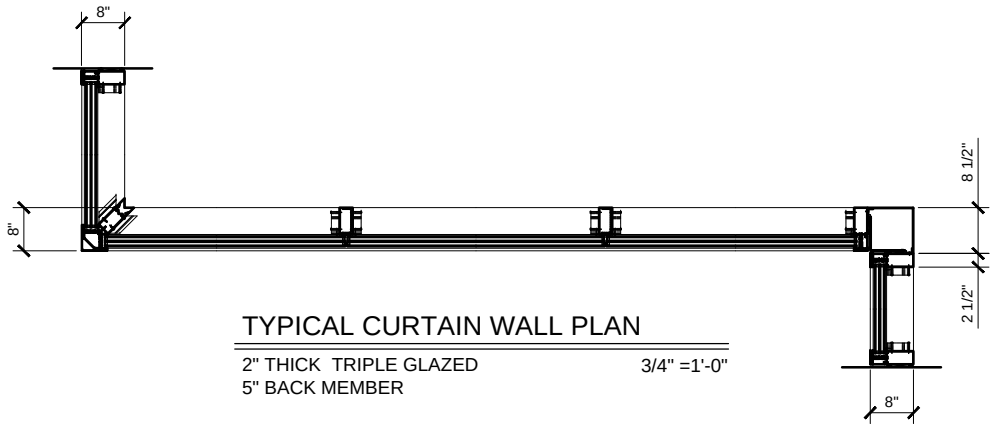
TYPICAL CURTAIN WALL PLAN
2" THICK TRIPLE GLAZED
5" BACK MEMBER



SECTION
3/4" =1'-0"



TYPICAL CURTAIN WALL ELEVATION
2" THICK TRIPLE GLAZED
5" BACK MEMBER



TYPICAL CURTAIN WALL PLAN
2" THICK TRIPLE GLAZED
5" BACK MEMBER

NOTE: TUBULAR HORIZONTALS
MUST BE USED WHEN SPAN
EXCEEDS 6'-0" OR IF DEADLOAD
EXCEEDS 250 LBS.

CURTAIN WALL SERIES HP3253SG TYPICAL ELEVATIONS

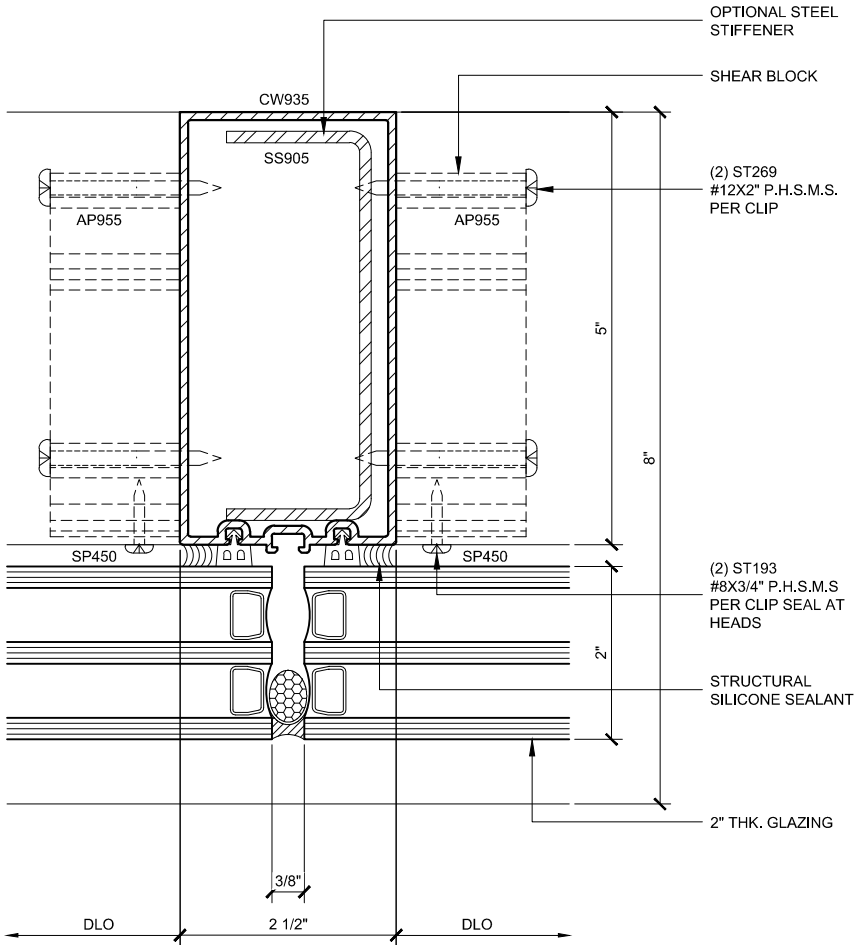
HP3253.2.1 HIGH PERFORMANCE - THERMALLY BROKEN - STRUCTURAL SILICONE VERT. GLAZED CURTAIN WALL

U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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Date: 04/29/15
Scale: AS NOTED
File Name: HP3253.dwg

Sheet

HP3253.2.1



- 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

INT. VERT. PLAN 11
HP3253.2.2.11
TRIPLE GLAZED
5" BACK MEMBER
1'-0"=1'-0"

CURTAIN WALL SERIES HP3253SG DETAILS
HP3253.2.2 - TRIPLE GLAZED - 5" BACK MEMBER

Revisions By:



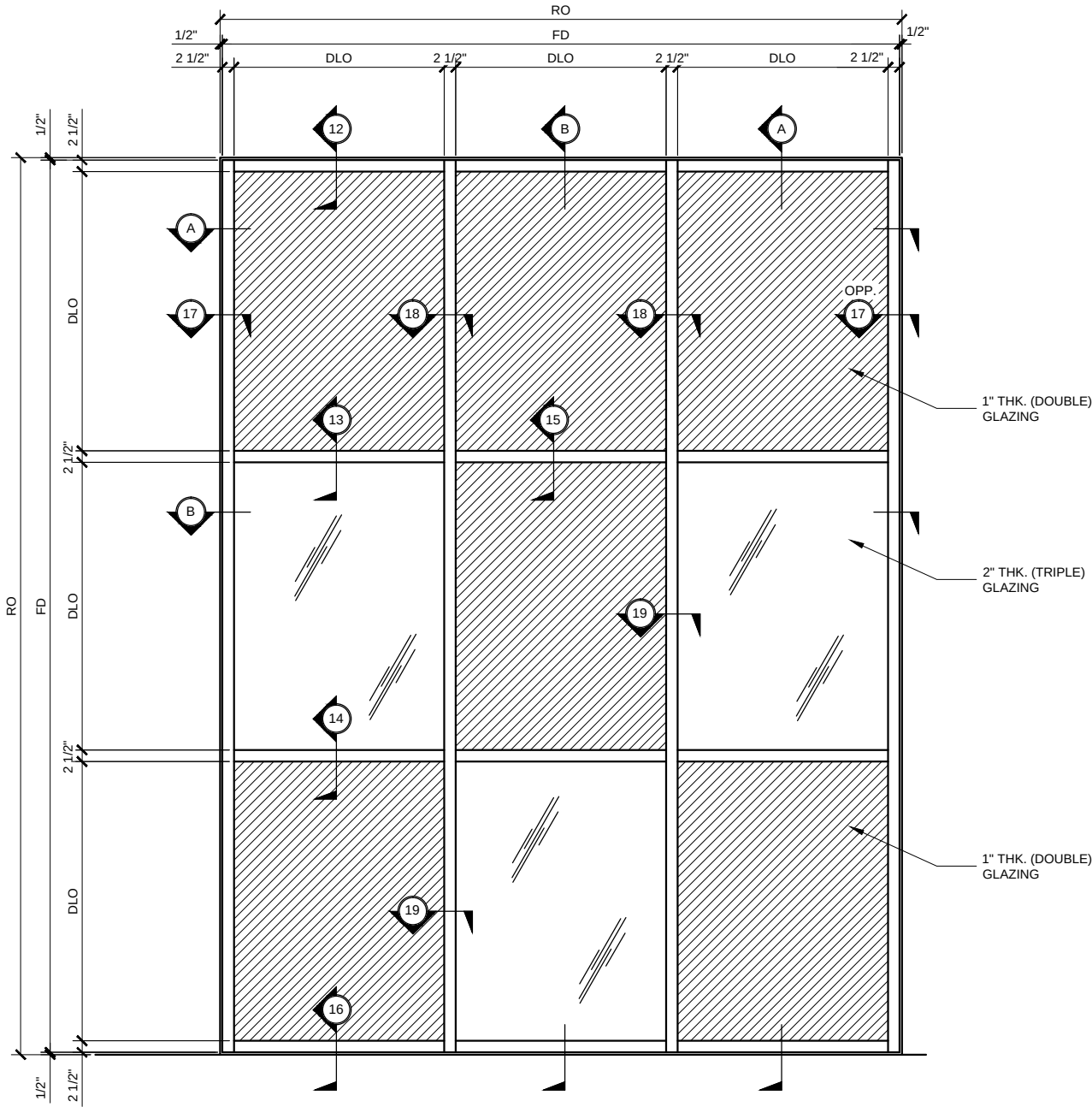
Discription:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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Scale: AS NOTED
File Name: HP3253.dwg
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HP3253.2.2

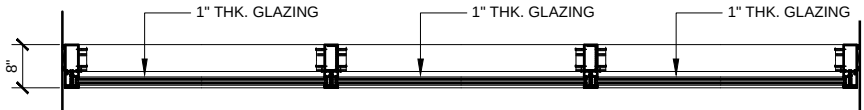
STANDARD ABBREVIATIONS	
RO	ROUGH OPENING
FD	FRAME DIMENSION
DLO	DAYLITE OPENING
DO	DOOR OPENING
DD	DOOR DIMENSION
SMC	SURFACE MOUNTED CLOSER
OHCC	OVERHEAD CONCEALED CLOSER

Revisions By:



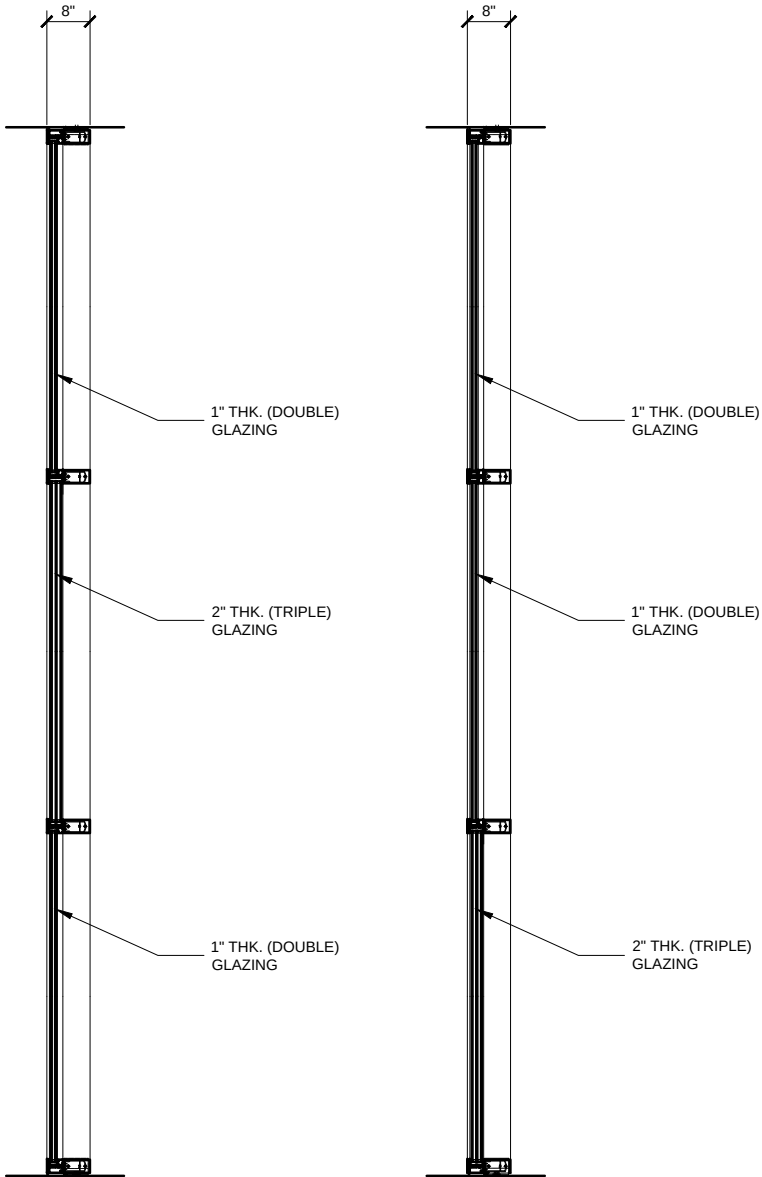
TYPICAL CURTAIN WALL ELEVATION

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



TYPICAL CURTAIN WALL PLAN "A"

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

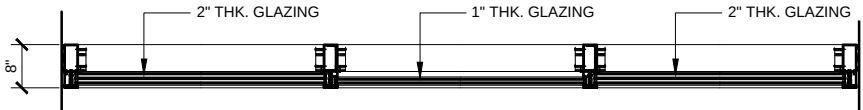


SECTION "A"

3/4" =1'-0"

SECTION "B"

3/4" =1'-0"



TYPICAL CURTAIN WALL PLAN "B"

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

NOTE: TUBULAR HORIZONTALS
MUST BE USED WHEN SPAN
EXCEEDS 6'-0" OR IF DEADLOAD
EXCEEDS 250 LBS.

CURTAIN WALL SERIES HP3253 TYPICAL ELEVATIONS

3252.3.1 HIGH PERFORMANCE - THERMALLY BROKEN - TRANSITION GLAZING

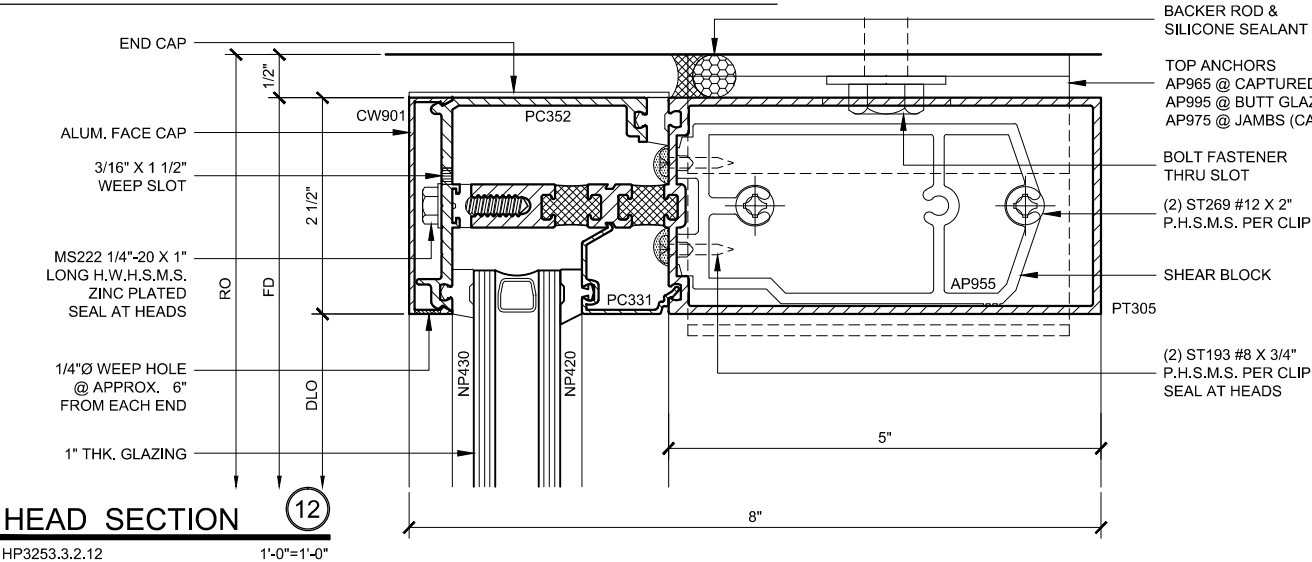
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U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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Date: 04/29/15
Scale: AS NOTED
File Name: HP3253.dwg

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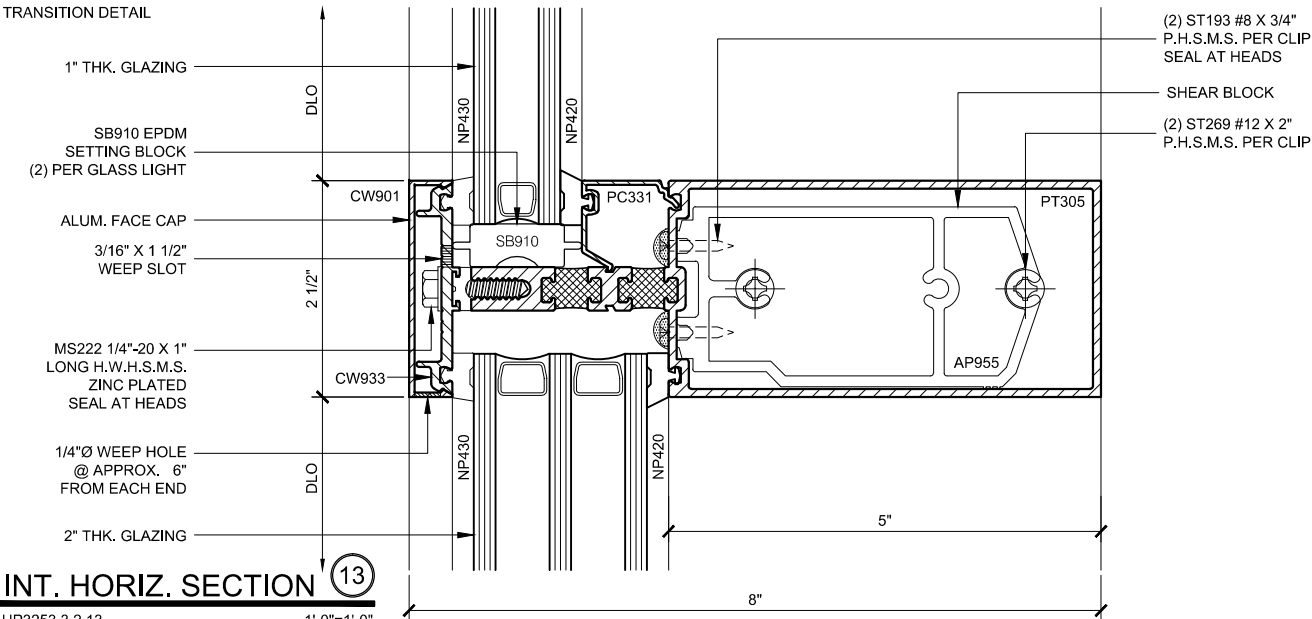
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U.S. ALUMINUM CURTAIN WALL SERIES HP3253 SYSTEM



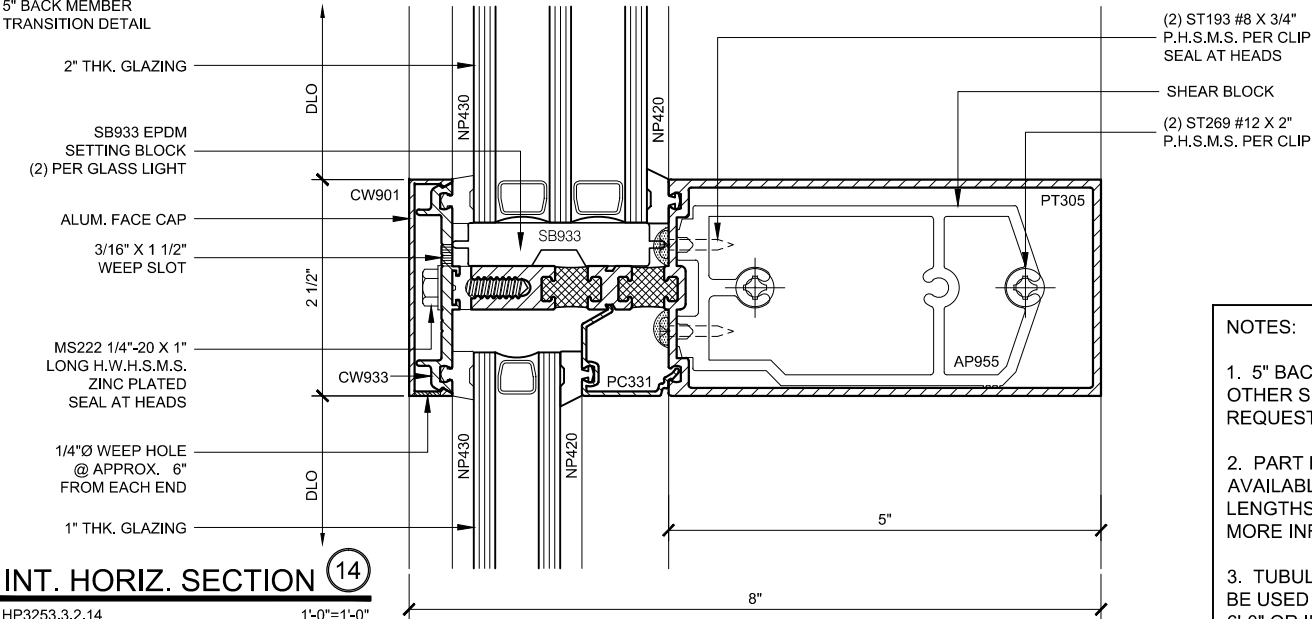
HEAD SECTION 12

HP3253.3.2.12
DOUBLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL



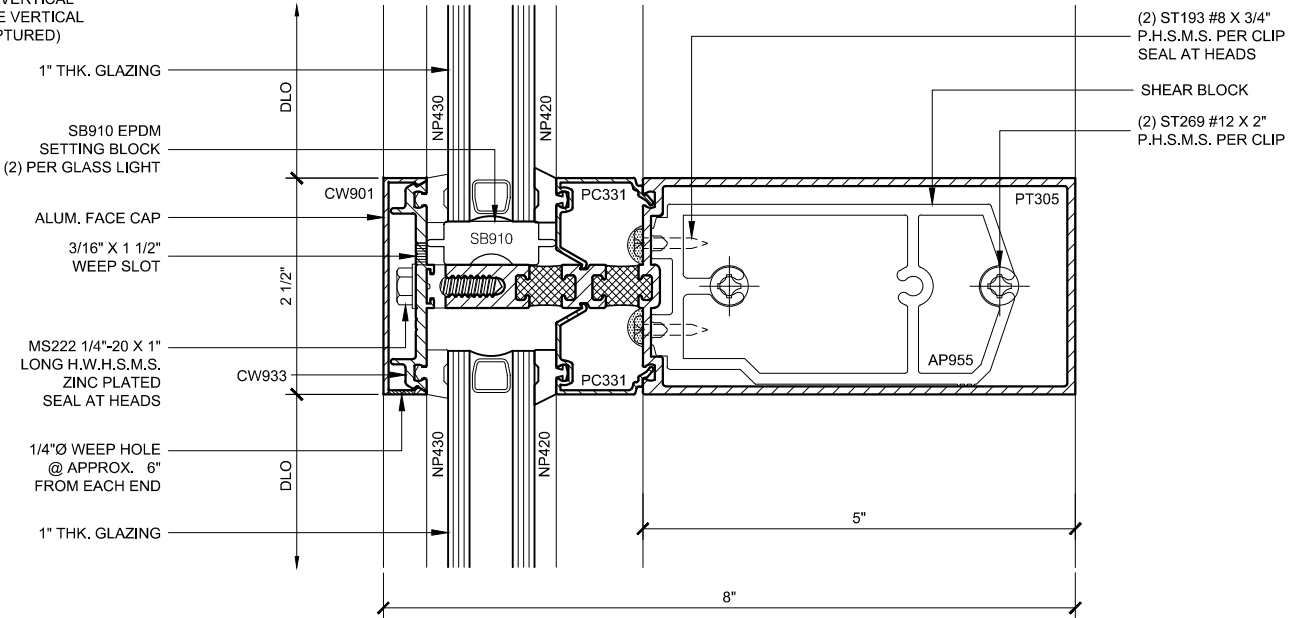
INT. HORIZ. SECTION 13

HP3253.3.2.13
DOUBLE / TRIPLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL



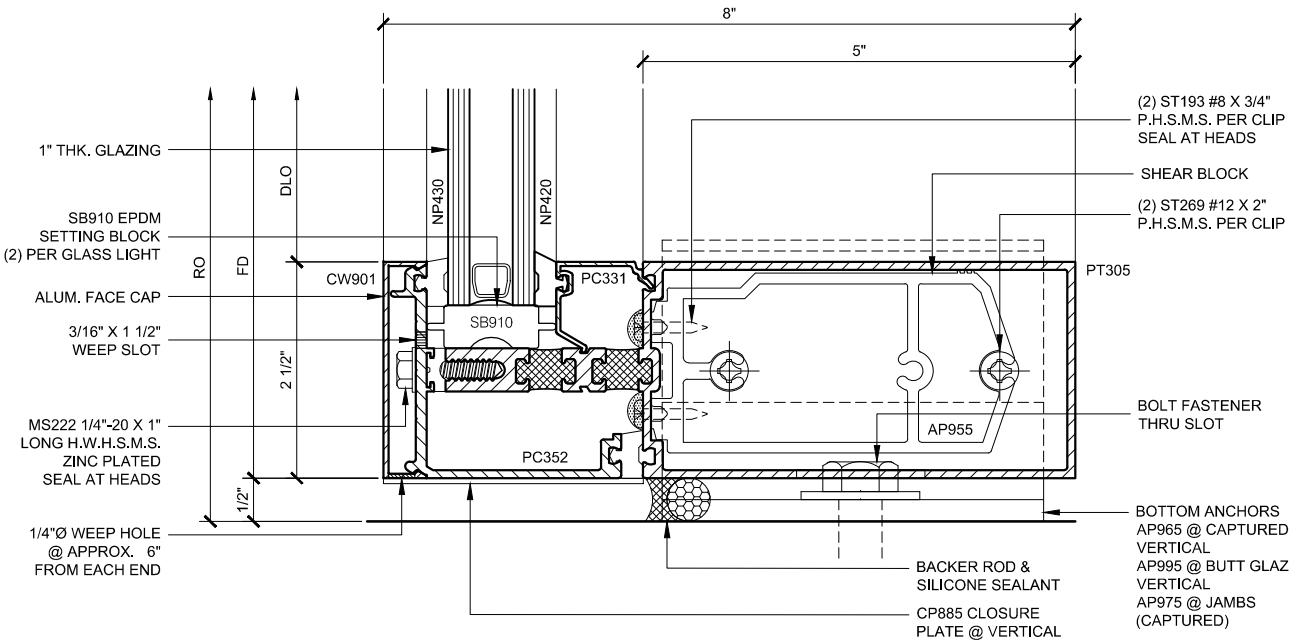
INT. HORIZ. SECTION 14

HP3253.3.2.14
TRIPLE / DOUBLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL



INT. HORIZ. SECTION 15

HP3253.3.2.15
DOUBLE / DOUBLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL



SILL SECTION 16

HP3253.3.2.16
DOUBLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL

NOTES:

- 5" BACK MEMBER SHOWN; OTHER SIZES AVAILABLE UPON REQUEST
- PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION
- TUBULAR HORIZONTALS MUST BE USED WHEN SPAN EXCEEDS 6'-0" OR IF DEADLOAD EXCEEDS 250 LBS.

CURTAIN WALL SERIES HP3253 DETAILS

HP3253.3.2 - TRANSITION TRIPLE / DOUBLE GLAZED - 5" BACK MEMBER

Revisions By:

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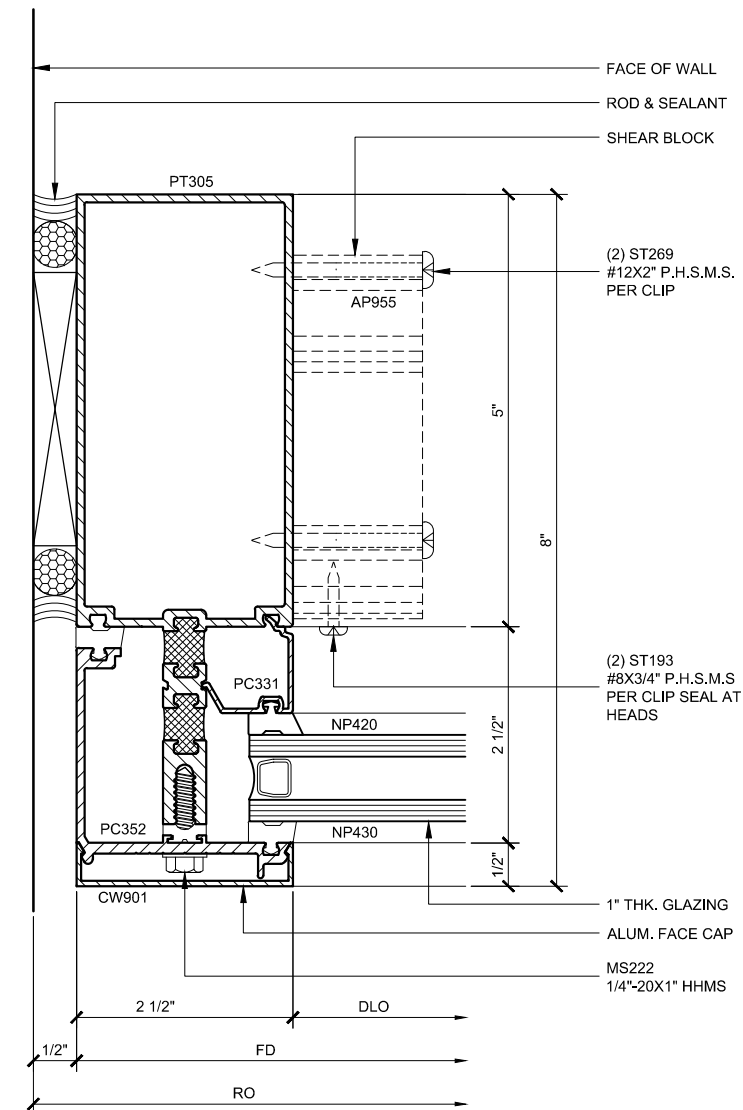
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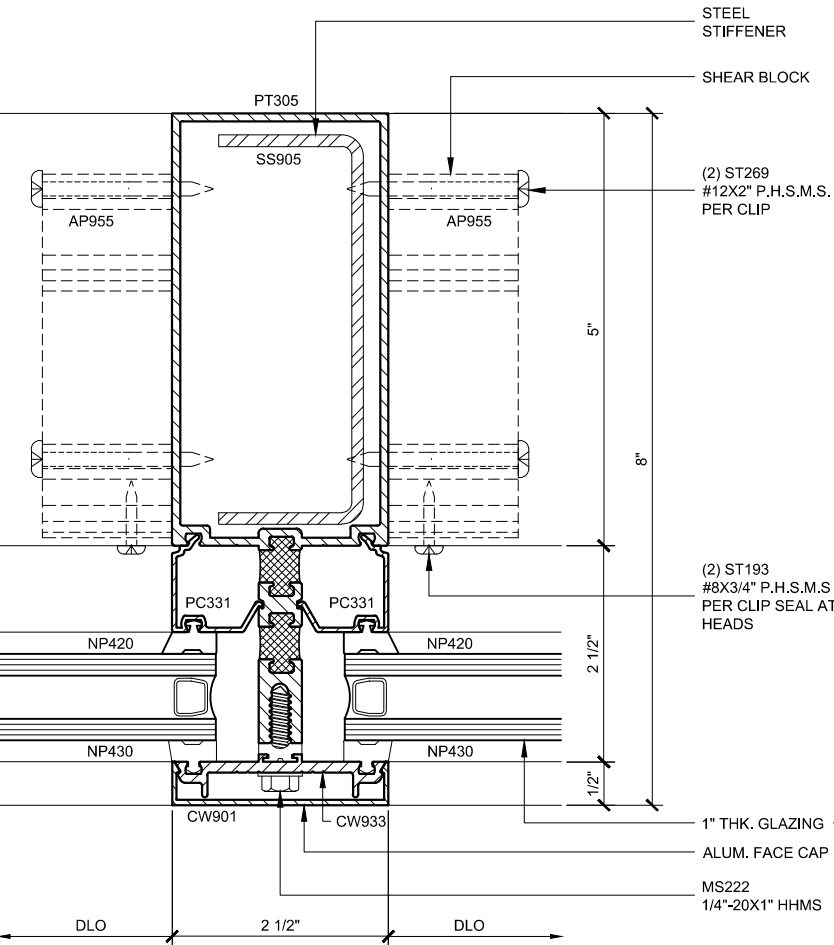
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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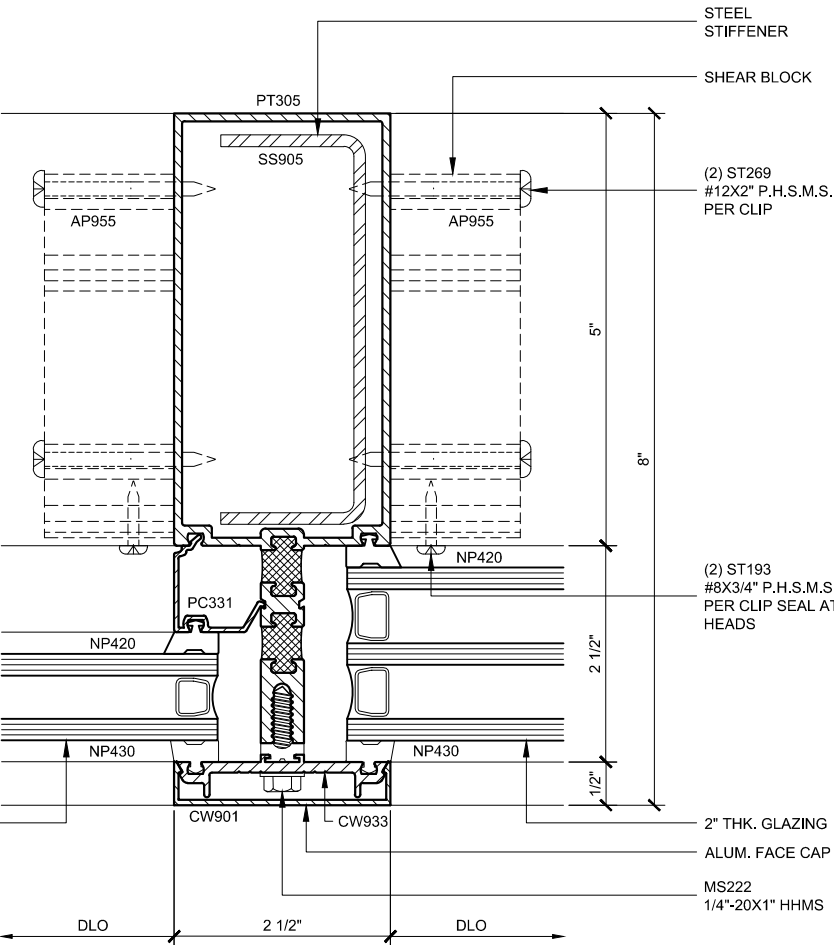
HP3253.3.2



JAMB PLAN 17
3252.3.3.17
SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL
1'-0"=1'-0"



INT. VERT. PLAN 18
3252.3.3.18
SINGLE GLAZED
5" BACK MEMBER
TRANSITION DETAIL
1'-0"=1'-0"



INT. VERT. PLAN 19
3252.3.3.19
SINGLE / DOUBLE 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
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MORE INFORMATION

CURTAIN WALL SERIES HP3253 DETAILS

HP3253.3.3 - TRANSITION TRIPLE / DOUBLE GLAZED - 5" BACK MEMBER

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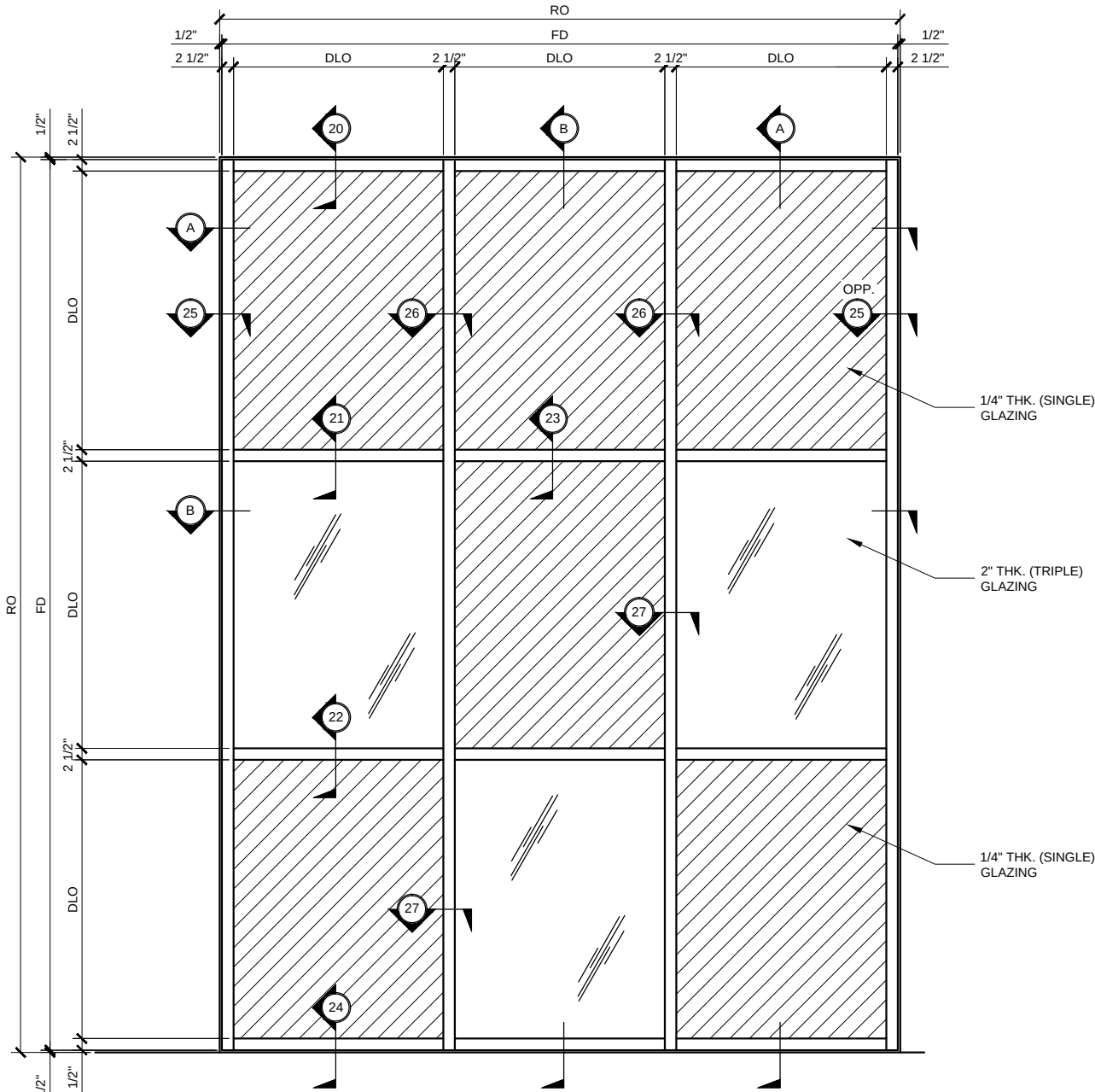
Discription:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

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HP3253.3.3

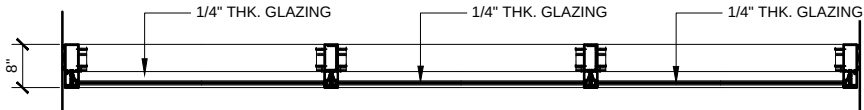
STANDARD ABBREVIATIONS	
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FD	FRAME DIMENSION
DLO	DAYLITE OPENING
DO	DOOR OPENING
DD	DOOR DIMENSION
SMC	SURFACE MOUNTED CLOSER
OHCC	OVERHEAD CONCEALED CLOSER

Revisions By:



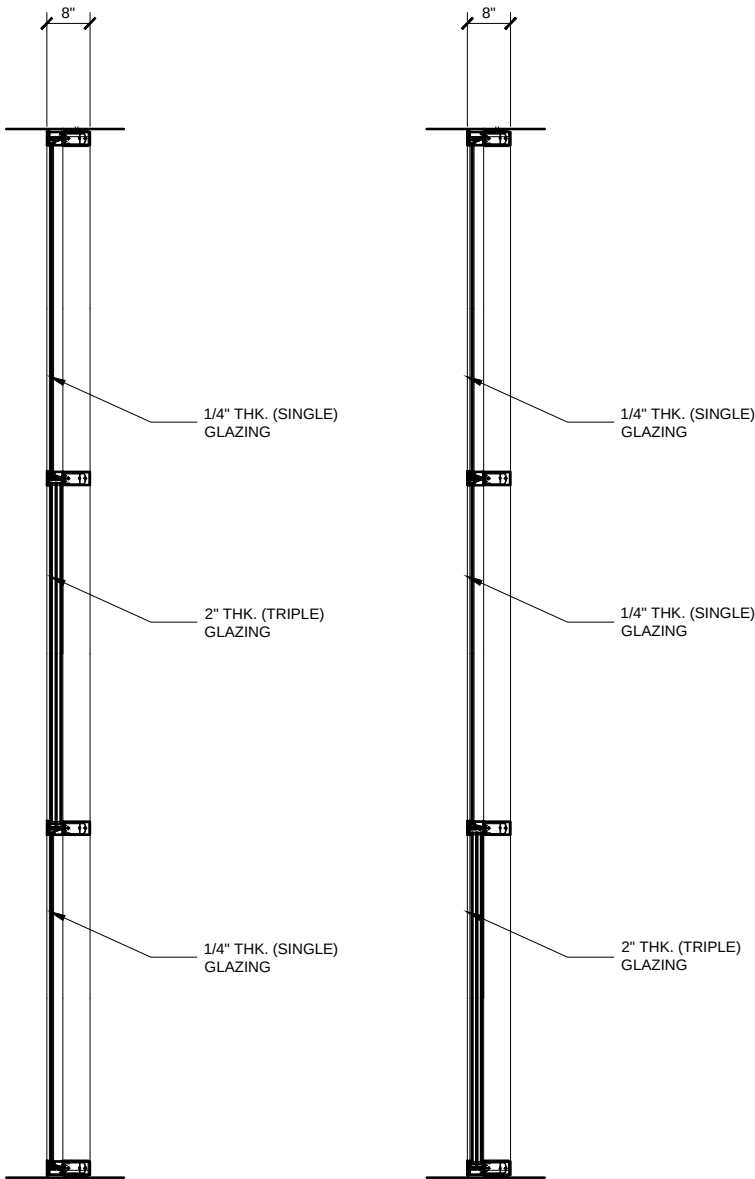
TYPICAL CURTAIN WALL ELEVATION

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



TYPICAL CURTAIN WALL PLAN "A"

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

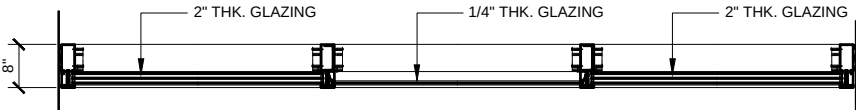


SECTION "A"

3/4" =1'-0"

SECTION "B"

3/4" =1'-0"



TYPICAL CURTAIN WALL PLAN "A"

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

NOTE: TUBULAR HORIZONTALS
MUST BE USED WHEN SPAN
EXCEEDS 6'-0" OR IF DEADLOAD
EXCEEDS 250 LBS.

CURTAIN WALL SERIES HP3253 TYPICAL ELEVATIONS

3252.3.1 HIGH PERFORMANCE - THERMALLY BROKEN - TRANSITION GLAZING

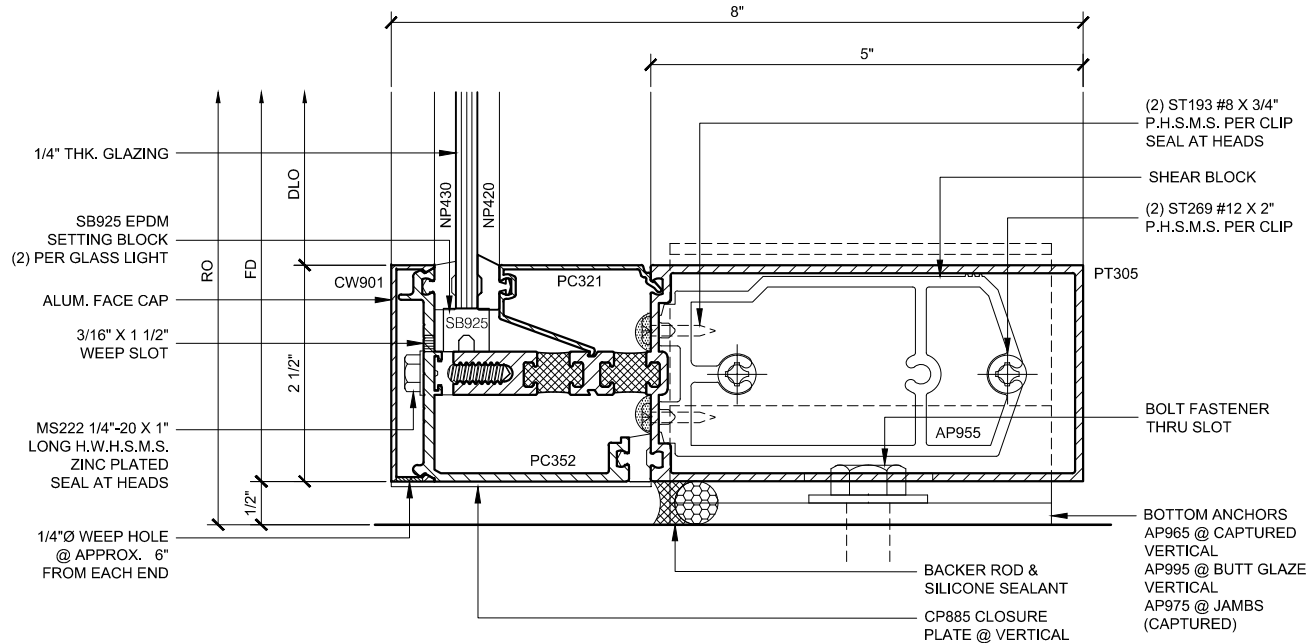
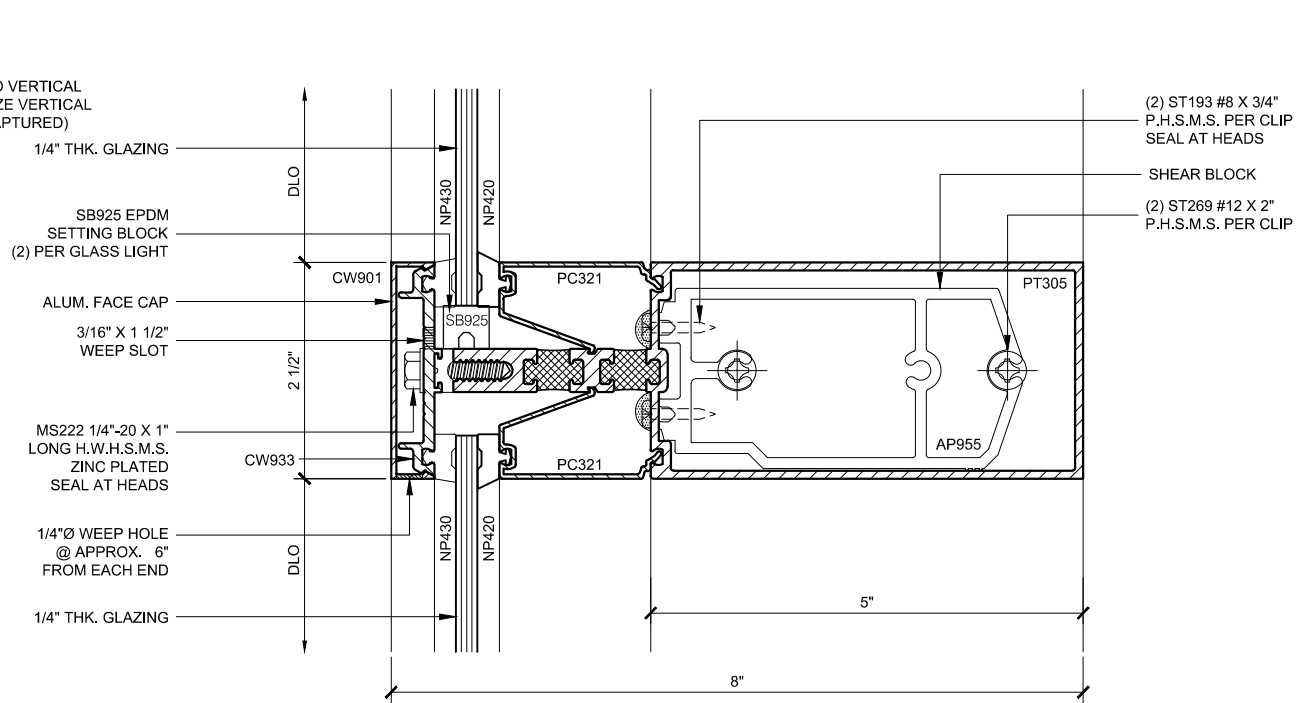
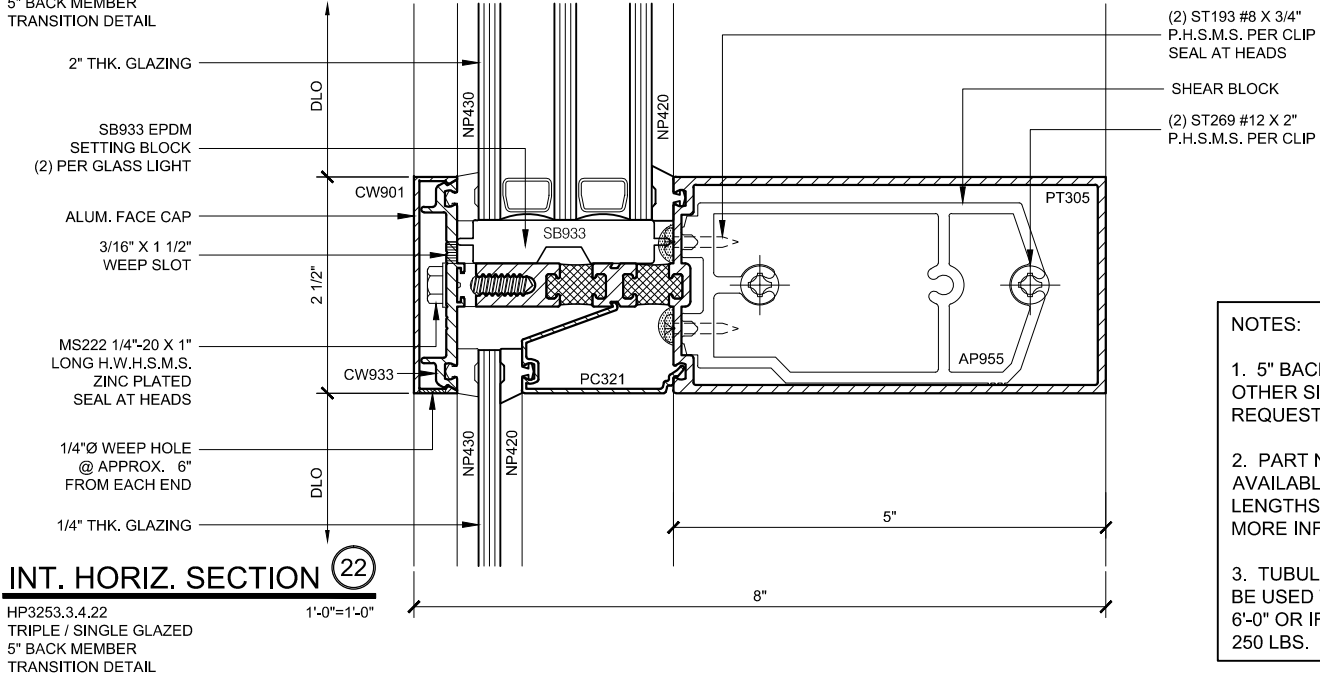
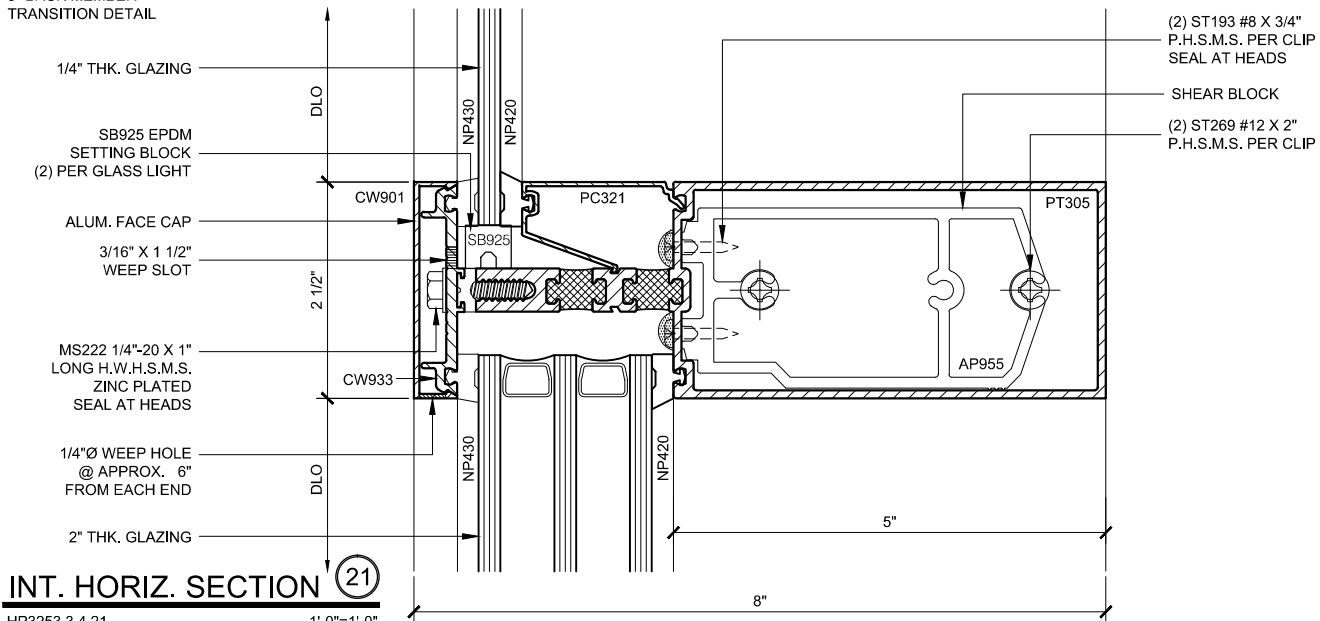
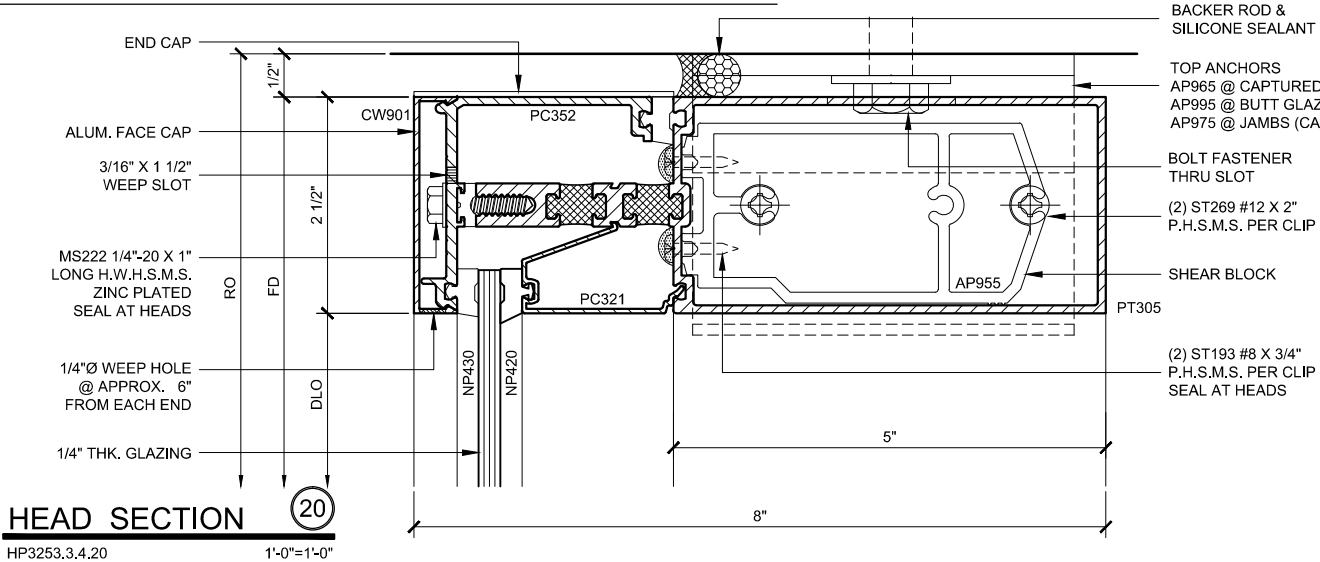
Description:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 04/29/15
Scale: AS NOTED
File Name: HP3253.dwg

Sheet

HP3253.4.1

U.S. ALUMINUM CURTAIN WALL SERIES HP3253 SYSTEM



- NOTES:
- 5" BACK MEMBER SHOWN; OTHER SIZES AVAILABLE UPON REQUEST
 - PART NUMBERS SHOWN ARE AVAILABLE IN 24 FT. STOCK LENGTHS. VISIT usalum.com FOR MORE INFORMATION
 - TUBULAR HORIZONTALS MUST BE USED WHEN SPAN EXCEEDS 6'-0" OR IF DEADLOAD EXCEEDS 250 LBS.

CURTAIN WALL SERIES HP3253 DETAILS

HP3253.3.4 - TRANSITION TRIPLE / SINGLE GLAZED - 5" BACK MEMBER

Revisions By:

CAL ALUMINUM

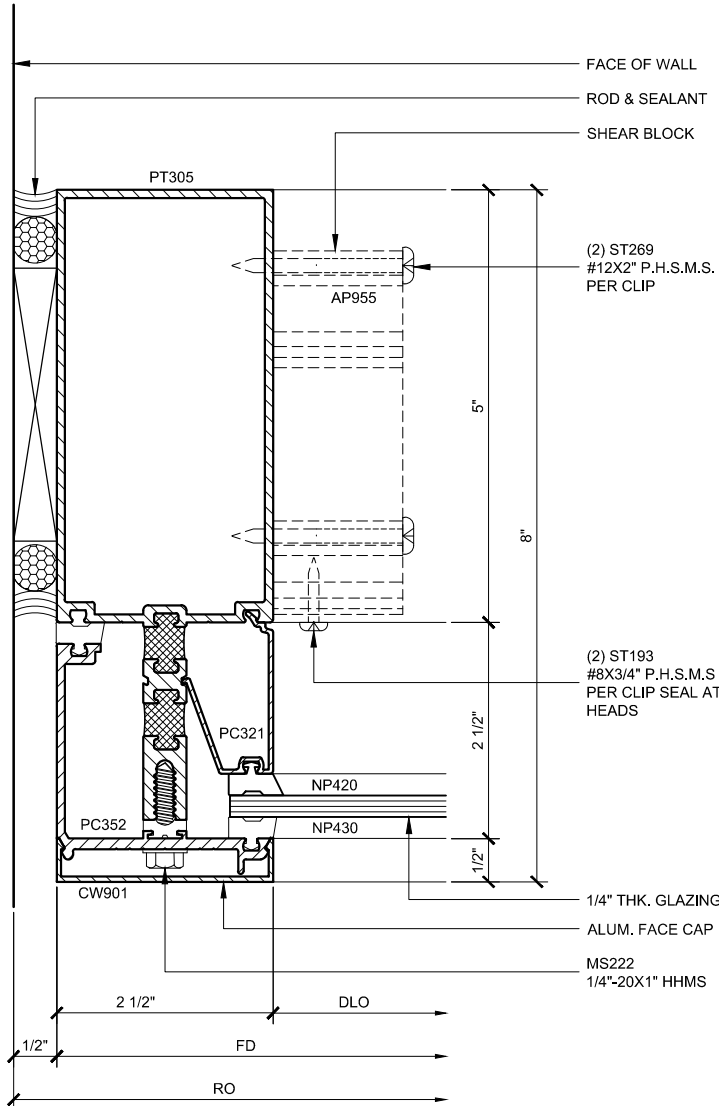
C.R. LAURENCE CO. ARCHITECTURAL PRODUCTS
2503 E. Varnon Avenue, Los Angeles, CA 90058-1897
PH (800) 421-6144 FX (800) 587-7501 www.crlaurence.com

Discription:

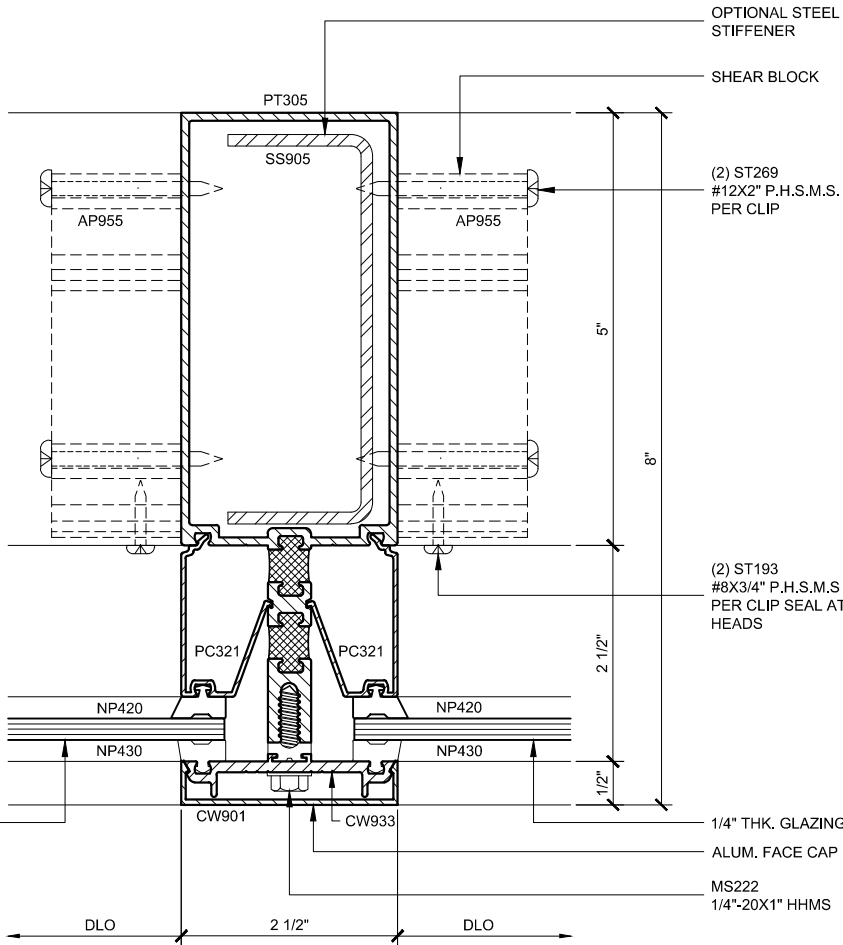
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 04/29/15
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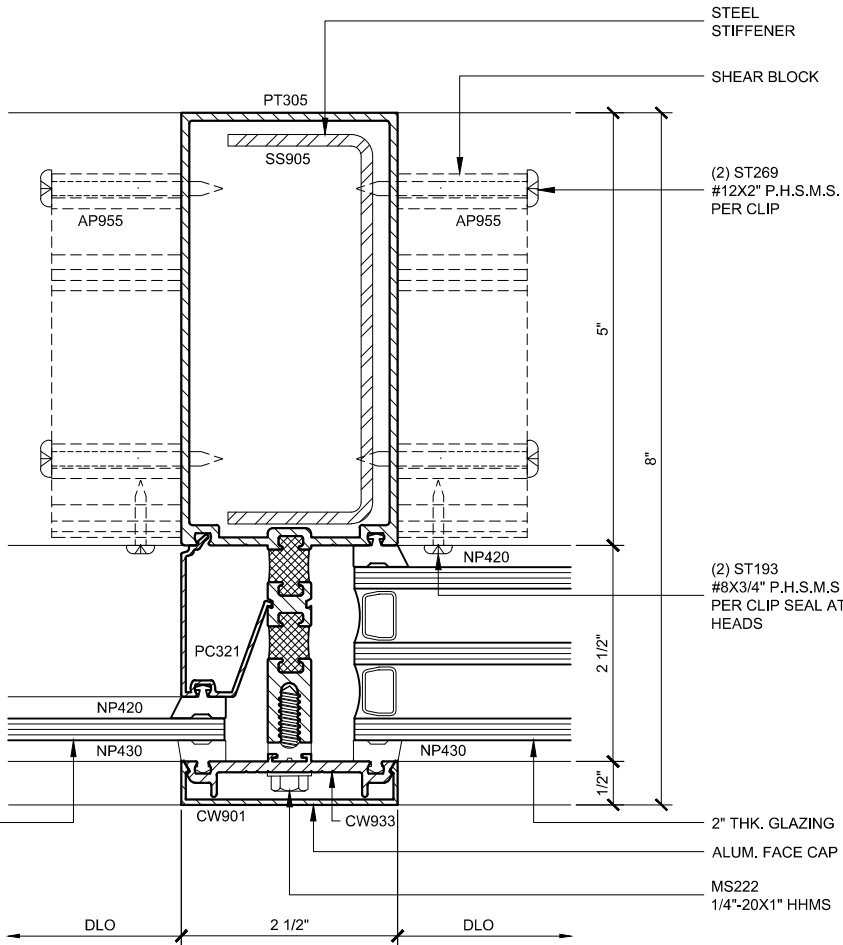
HP3253.4.2



JAMB PLAN 25
HP3253.3.5.25
SINGLE GLAZED
5\"/>



INT. VERT. PLAN 26
HP3253.3.5.26
SINGLE / SINGLE GLAZED
5\"/>



INT. VERT. PLAN 27
HP3253.3.5.27
SINGLE / TRIPLE GLAZED
5\"/>

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

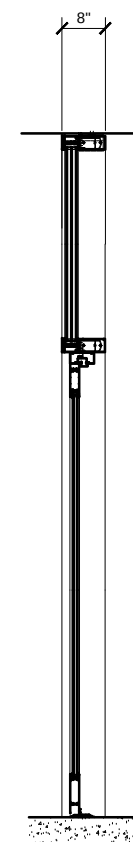
Discription:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 04/29/15
Scale: AS NOTED
File Name: HP3253.dwg
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CURTAIN WALL SERIES HP3253 DETAILS

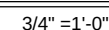
HP3253.3.5 - TRANSITION TRIPLE / SINGLE GLAZED - 5\"/>

HP3253.4.3



3/4" = 1'-0"

2" THICK DOUBLE GLAZED
5" BACK MEMBER

$$\frac{3}{4}'' = 1'-0''$$


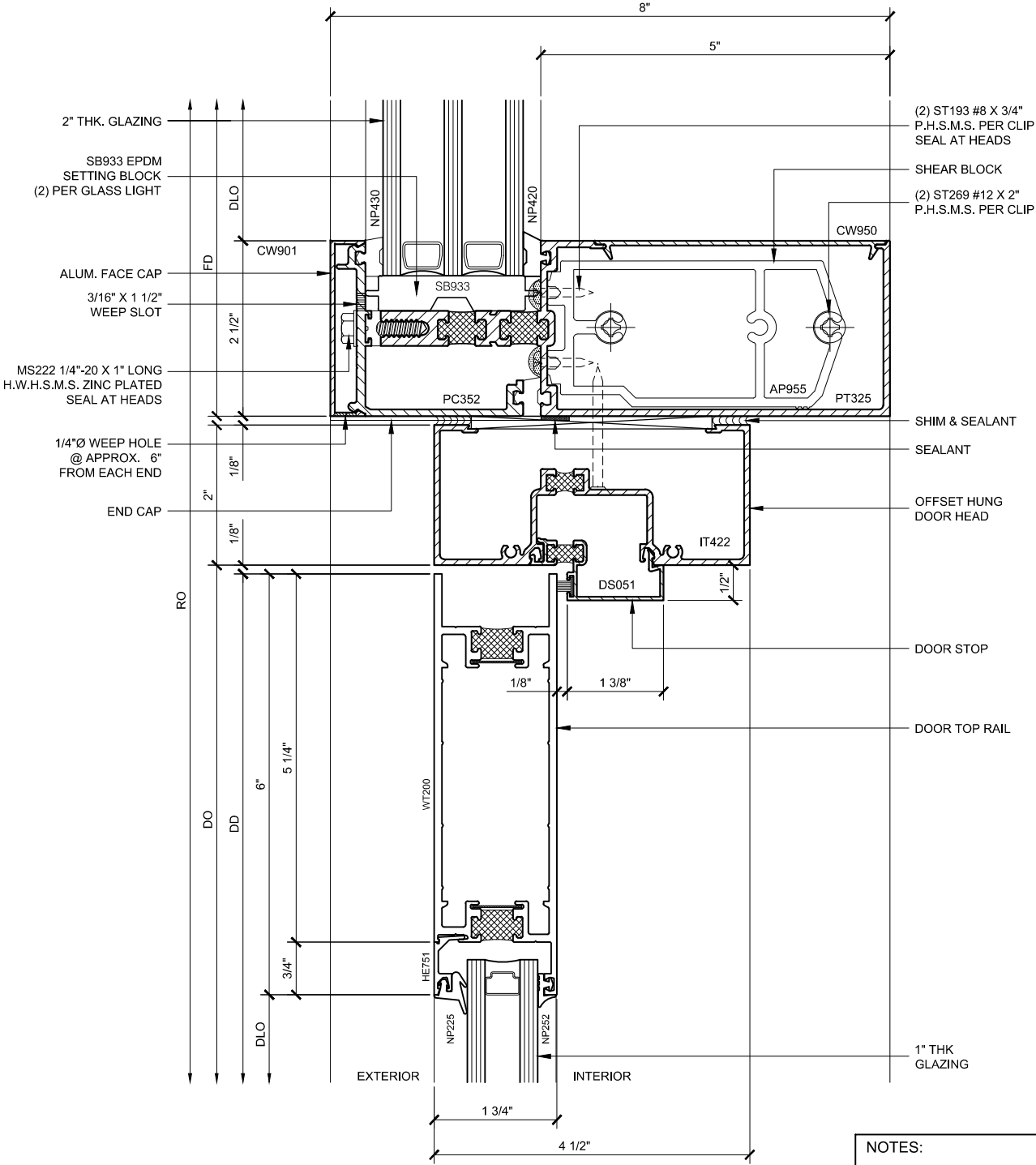
2" THICK DOUBLE GLAZED
5" BACK MEMBER

NOTE:

1. SERIES HP3253 CURTAIN WALL SHOWN WITH SERIES 550-T WIDE 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

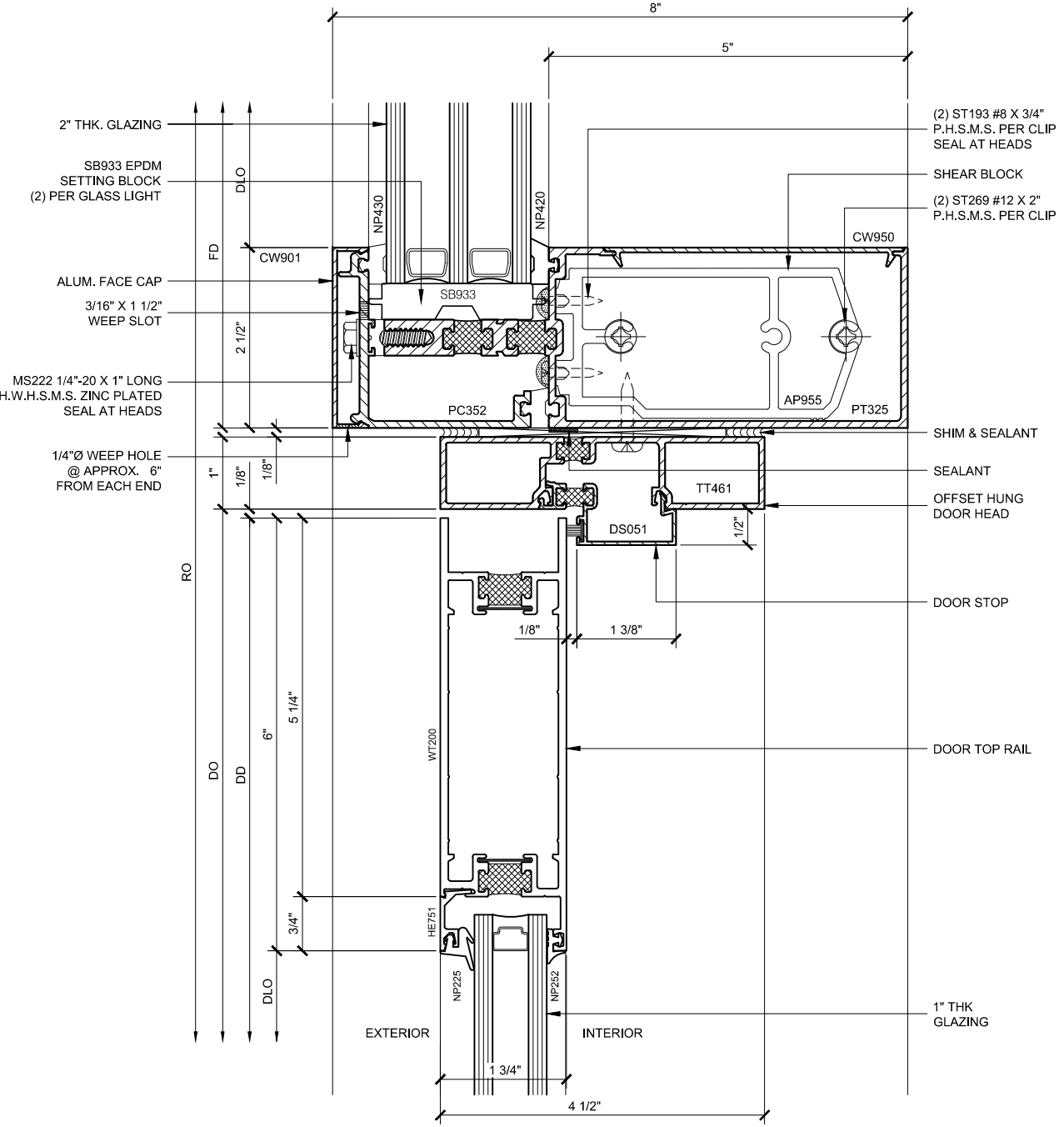
U.S. ALUMINUM CURTAIN WALL SERIES HP3253 SYSTEM



HEAD SECTION w/ SUB-FRAME (28)

HP3253.4.2.28
TRIPLE GLAZED
5" BACK MEMBER
SCALE: FULL SIZE

- NOTES:
- 5" OPEN BACK AND TUBULAR HORIZONTALS SHOWN. OTHER DEPTH OPEN BACK HORIZONTALS AND TUBULAR HORIZONTALS ARE SIMILAR.
 - 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.



HEAD SECTION w/ SUB-FRAME (29)

HP3253.4.2.29
TRIPLE GLAZED
5" BACK MEMBER
SCALE: FULL SIZE

CURTAIN WALL SERIES HP3253 DETAILS

HP3253.4.2 - THERMAL ENTRANCE WITH SUB-FRAME

Revisions By:



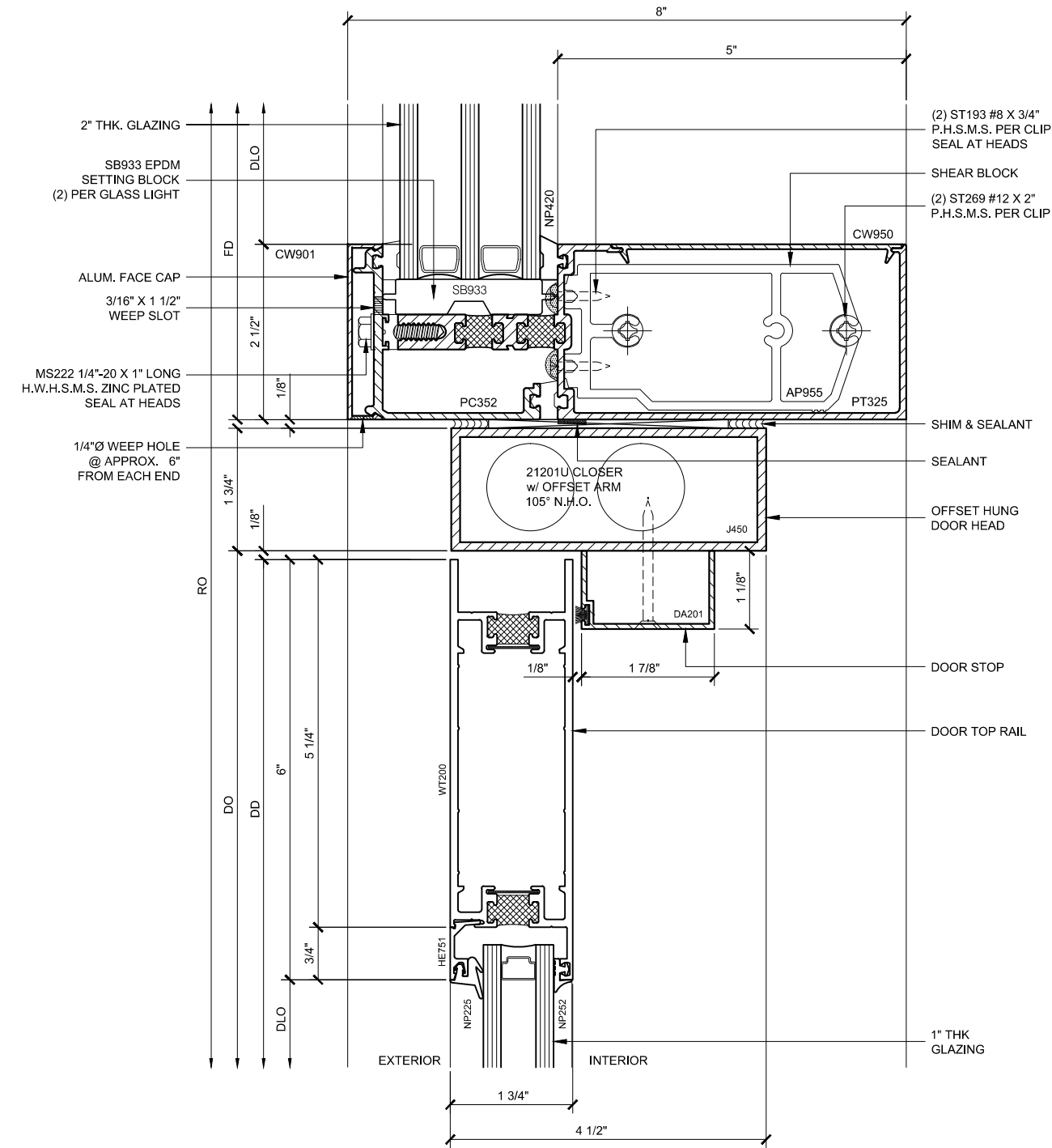
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2503 E. Vernon Avenue, Los Angeles, CA 90058-1897
PH: (800) 421-6144 FX: (800) 587-7501 www.crlaurence.com

Description:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

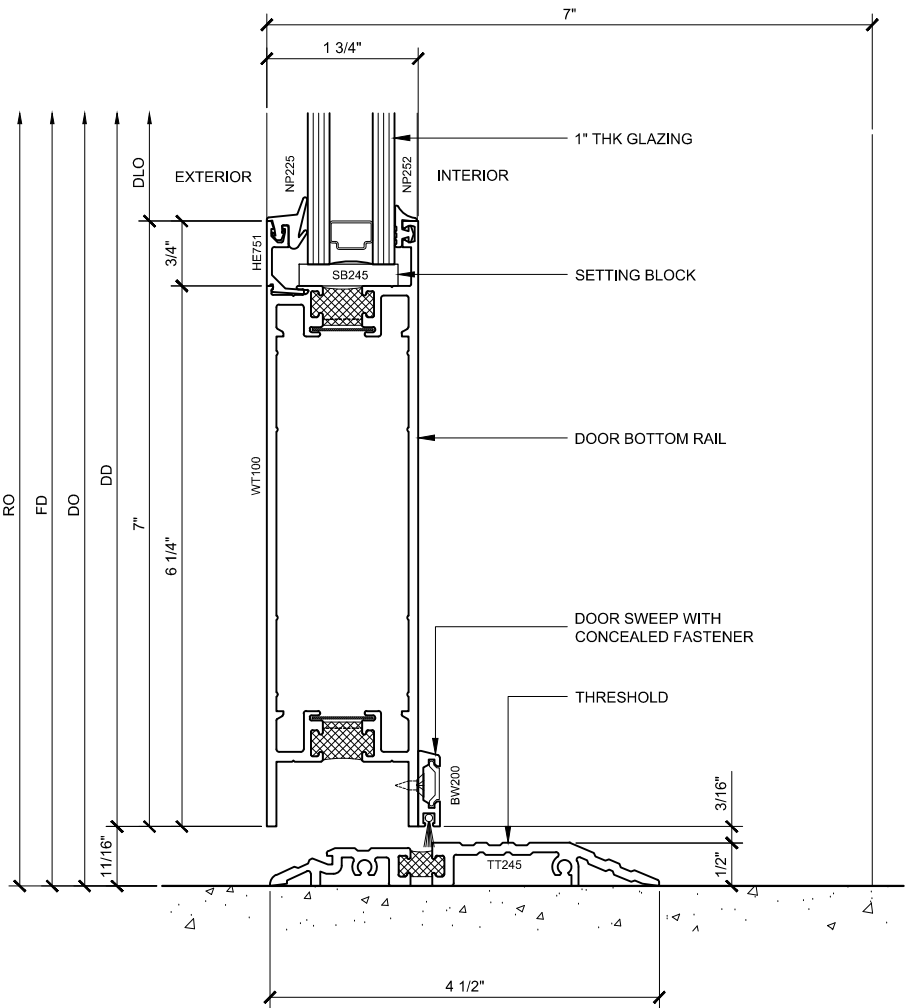
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Date: 04/29/15
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HP3253.5.2

U.S. ALUMINUM CURTAIN WALL SERIES HP3253 SYSTEM



HEAD SECTION w/ OHCC 30
HP3253.4.3.30
TRIPLE GLAZED
5\"/>



SECTION DETAIL @ 7\"/>

CURTAIN WALL SERIES HP3253 DETAILS

HP3253.4.3 - THERMAL ENTRANCE WITH SUB-FRAME

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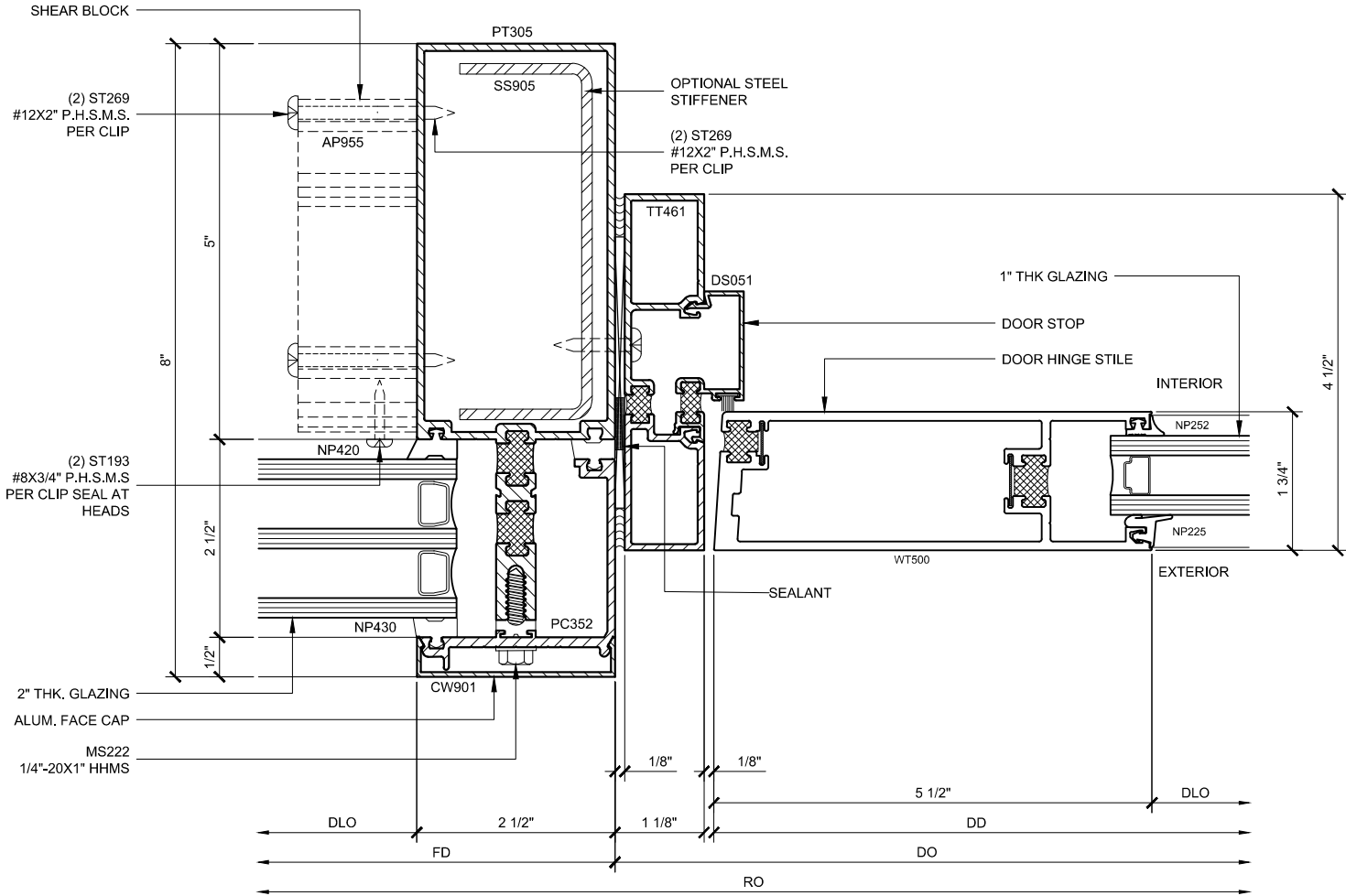
Description:
U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD
Date: 04/29/15
Scale: AS NOTED
File Name: HP3253.dwg

Sheet

HP3253.5.3

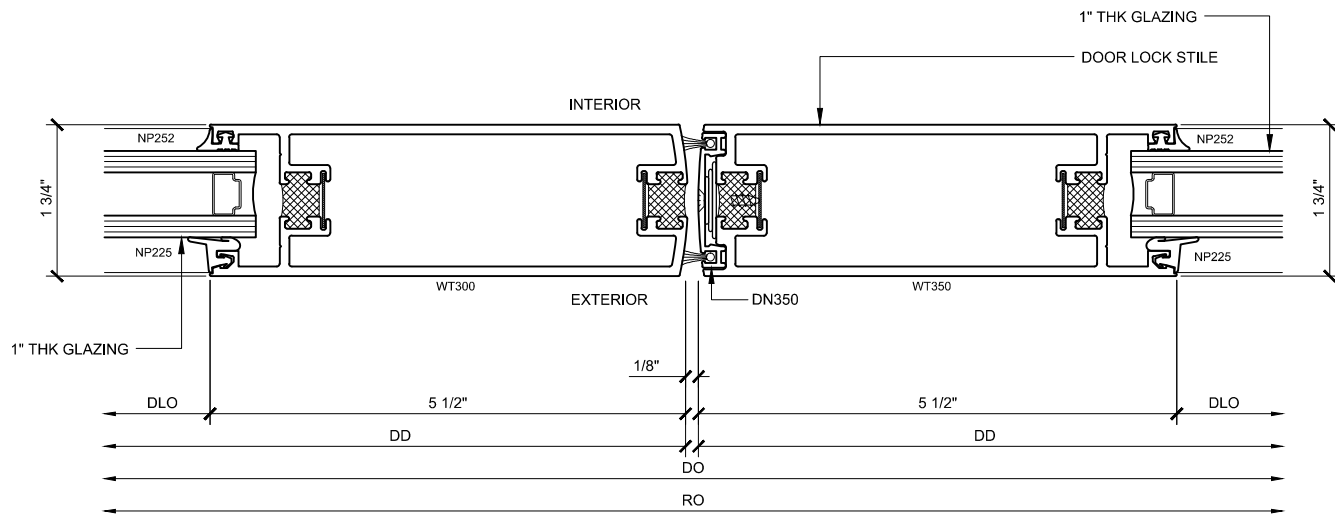
U.S. ALUMINUM CURTAIN WALL SERIES HP3253 SYSTEM



SECTION DETAIL @ DOOR JAMB (32)

HP3253.4.4.32
TRIPLE GLAZED
5" BACK MEMBER

SCALE: FULL SIZE



SECTION DETAIL @ MEETING STILES (33)

HP3253.4.4.33
DOUBLE GLAZED DOORS

SCALE: FULL SIZE

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.

Revisions By:



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Description:

U.S. ALUM. SERIES HP3253
& HP3253SG CURTAIN WALL
HIGH PERFORMANCE
THERMALLY BROKEN

Drawn By: RPD

Date: 04/29/15

Scale: AS NOTED

Sheet

HP3253.5.4

CURTAIN WALL SERIES HP3253 DETAILS

HP3253.4.4 - THERMAL ENTRANCE WITH SUB-FRAME