

# GLASS TYPES

ARCHITECT'S GLASS REFERENCES

NOTE 1/A/3.7	<div style="border: 1px solid black; padding: 2px; display: inline-block;">A</div>	1" PPG OPTIGRAY 23/SOLARBAN 60 (3). HEAT-STRENGTHENED/ANNEALED INSULATED GLASS UNIT CONSISTING OF: 1/4" OPTIGRAY 23, HEAT-STRENGTHENED O.B. LITE 1/2" AIR SPACE 1/4" CLEAR, ANNEALED I.B. LITE WITH A SOLARBAN 60 LOW-E COATING ON THE #3 SURFACE OF THE I.G. UNIT
NOTE 1/B/3.7/A3.7	<div style="border: 1px solid black; padding: 2px; display: inline-block;">B</div>	1" PPG OPTIGRAY 23, HEAT-STRENGTHENED/HEAT-STRENGTHENED CONSULATED SPANDREL GLASS UNIT INSISTING OF... 1/4" OPTIGRAY 23, HEAT-STRENGTHENED O.B. LITE 1/2" AIR SPACE 1/4" CLEAR, HEAT-STRENGTHENED I.B. LITE WITH A CERAMIC FRIT COATING ON THE #4 SURFACE OF THE I.G. UNIT COLOR OF FRIT: MANUFACTURER'S STANDARD "BLACK"
NOTE 1/B/3.7/A3.7	<div style="border: 1px solid black; padding: 2px; display: inline-block;">C</div>	1" PPG OPTIGRAY 23/SOLARBAN 60 (3). TEMPERED/TEMPERED INSULATED GLASS UNIT CONSISTING OF... 1/4" OPTIGRAY 23, TEMPERED O.B. LITE 1/2" AIR SPACE 1/4" CLEAR, TEMPERED I.B. LITE WITH A SOLARBAN 60 LOW-E COATING ON THE #3 SURFACE OF THE I.G. UNIT
NONE	<div style="border: 1px solid black; padding: 2px; display: inline-block;">D</div>	1" CLEAR, ANNEALED/ANNEALED INSULATED GLASS UNIT CONSISTING OF... 1/4" CLEAR, ANNEALED O.B. LITE 1/2" AIR SPACE 1/4" CLEAR, ANNEALED I.B. LITE
NONE	<div style="border: 1px solid black; padding: 2px; display: inline-block;">E</div>	1" CLEAR, TEMPERED/TEMPERED INSULATED GLASS UNIT CONSISTING OF... 1/4" CLEAR, TEMPERED O.B. LITE 1/2" AIR SPACE 1/4" CLEAR, TEMPERED I.B. LITE
NONE	<div style="border: 1px solid black; padding: 2px; display: inline-block;">F</div>	1/4" ALUMINUM PANEL, SMOOTH FACE TO EXTERIOR. COLOR: CLEAR ANODIZED AT EXPOSED FACE

A

ARCHITECTURAL DRAWING SHEETS CS-1, CS-2, A0.1, A2.1a, A2.1b, A2.2a, A2.2b, A2.3a, A2.3b, A2.4a, A2.4b, A3.1, A3.2, A3.3, A3.4, A3.5, A3.6, A3.7, A4.1, A5.1, A5.2, A5.3, A5.4, A5.5, A5.6, A5.7, A5.8, A5.9, A5.10, A5.11, A5.12, A6.1a, A6.1b, A6.2a, A6.2b, A6.3a, A6.3b, A7.1, A7.2, A7.3, A7.4, A8.1, A8.2, A8.3, A8.4, A8.5, A8.6, A8.7, A8.8, A8.9, A8.10, A8.11, A8.12, A9.1, A9.2, A9.3, A9.4 AND A9.5 ALL DATED JULY 31, 2003 (NO REVISIONS NOTED)

STRUCTURAL DRAWING SHEETS: S2.1a, S2.1b, S2.1c, S2.2a, S2.2b, S2.3a, S2.3b, S2.4, S3.1, S3.2, S4.1, S4.2, S4.3, S4.4, S5.1, S5.2, S5.3, S6.1, S6.2 AND S7.1 ALL DATED JULY 31, 2003 (NO REVISIONS NOTED)

SPECIFICATION SECTIONS: 08920, 08800, 07210 AND 07920

ADDENDUMS: BULLETIN #1 DATED FEBRUARY 9, 2004

TAKEOFFS/QUOTATIONS: KAWNEER MATERIAL PROPOSAL DATED FEBRUARY 17, 2004

ACCURATE DRAFTING QUESTIONNAIRE: RECEIVED AND WAS PROPERLY FILLED OUT BY DON'S GLASS.

REVISION #2.....

(DRAFTING REVISION ONLY)

1. EXTENDED THE BOTTOM OF CURTAINWALL ELEVATIONS CW9, CW9A AND CW9B AS REQUESTED BY ARCHITECT.

SHEETS 3-20: ELEVATIONS  
SHEETS 21-32: DETAILS (INCLUDES SHEETS 25A, 25B, 25C,  
28A, 28B, 28C AND 29A)

ICATION SCENARIO).....

LION MODIFICATION SCENARIO THAT MAY BE NECESSARY  
OF WORK BEING PROVIDED BY DON'S GLASS & MIRROR,  
MODIFICATIONS AND DOES NOT REFLECT ANY OTHER

BLE AT ELEVATIONS CW4,CW8, CW11, CW12, CW13 AND

"WORST CASE" MULLION AND IS THEREFORE ABLE TO BE  
AT THE ELEVATIONS LISTED IN ITEM #1. IT WILL BE UP  
WHERE THIS MODIFICATION SHOULD APPLY BASED ON

HIN THIS SET OF SHOP DRAWINGS....  
AND MEMBER IN LIEU OF THE ORIGINAL 7 1/2" DEEP MEMBER

WILL HAVE A NOTE POINTING OUT THE AREA THAT WILL BE

DEEPER STEEL ANGLE IN AREAS WHERE THE  
ANNEL WILL BE SHOWN IN AREAS WHERE THERE IS ONLY  
SSARY TO KEEP THE NUT AND BOLT ASS'Y FROM  
WINDLOAD/DEFLECTION PURPOSES.  
RUCTURAL CALCULATIONS TO BACKUP THE POSSIBLE


ECIEVE THE ENGINEER'S STAMP.

	△	3.24.20
	△	2.7.200
REVISION #		DATE

1. THE MULLION MODIFICATION SCENARIO IS ONLY APPLICABLE AT ELEVATIONS CW4, CW8, CW11, CW12, CW13 AND CW15 AS SHOWN ON THIS SET OF SHOP DRAWINGS.
2. THE MULLION MODIFICATION SCENARIO IS BASED ON THE "WORST CASE" MULLION AND IS THEREFORE ABLE TO BE IMPLEMENTED AT ANY OR ALL OF THE VERTICAL MULLIONS AT THE ELEVATIONS LISTED IN ITEM #1. IT WILL BE UP TO DOWN'S GLASS AND THE G.C./ARCHITECT TO COORDINATE WHERE THIS MODIFICATION SHOULD APPLY BASED ON ACTUAL CONDITIONS FOUND IN THE FIELD.
3. THE FOLLOWING SPECIFIC CHANGES WILL BE FOUND WITHIN THIS SET OF SHOP DRAWINGS....
  - A. DETAIL #58 WILL REFLECT THE USE OF A 6" DEEP HEAD MEMBER IN LIEU OF THE ORIGINAL 7 1/2" DEEP MEMBER IN AREAS WHERE THE MODIFICATIONS ARE TO BE MADE.
  - B. ELEVATIONS CW4, CW8, CW11, CW12, CW13 AND CW15 WILL HAVE A NOTE POINTING OUT THE AREA THAT WILL BE MODIFIED IF NEEDED.
  - C. DETAILS #40 AND #44A WILL REFLECT THE USE OF A DEEPER STEEL ANGLE IN AREAS WHERE THE MODIFICATIONS ARE TO BE MADE. ALSO AN ALUMINUM CHANNEL WILL BE SHOWN IN AREAS WHERE THERE IS ONLY ONE STEEL ANGLE MAKING THE CONNECTION. THIS IS NECESSARY TO KEEP THE NUT AND BOLT ASS'Y FROM CRUSHING THE VERTICAL MULLION. IT IS NOT NEEDED FOR WINDLOAD/DEFLECTION PURPOSES.
  - D. THIS REVISION WILL BE ACCOMPANIED BY REVISED STRUCTURAL CALCULATIONS TO BACKUP THE MODIFICATIONS SHOWN.
  - E. BOTH THE CALCULATIONS AND THIS DRAWING WILL RECEIVE THE ENGINEER'S STAMP.

## REVISIONS

AREA FOR  
ARCHITECT'S/G.C.'S  
APPROVAL STAMPS AND  
COMMENTS



DRAWINGS PREPARED FOR.....

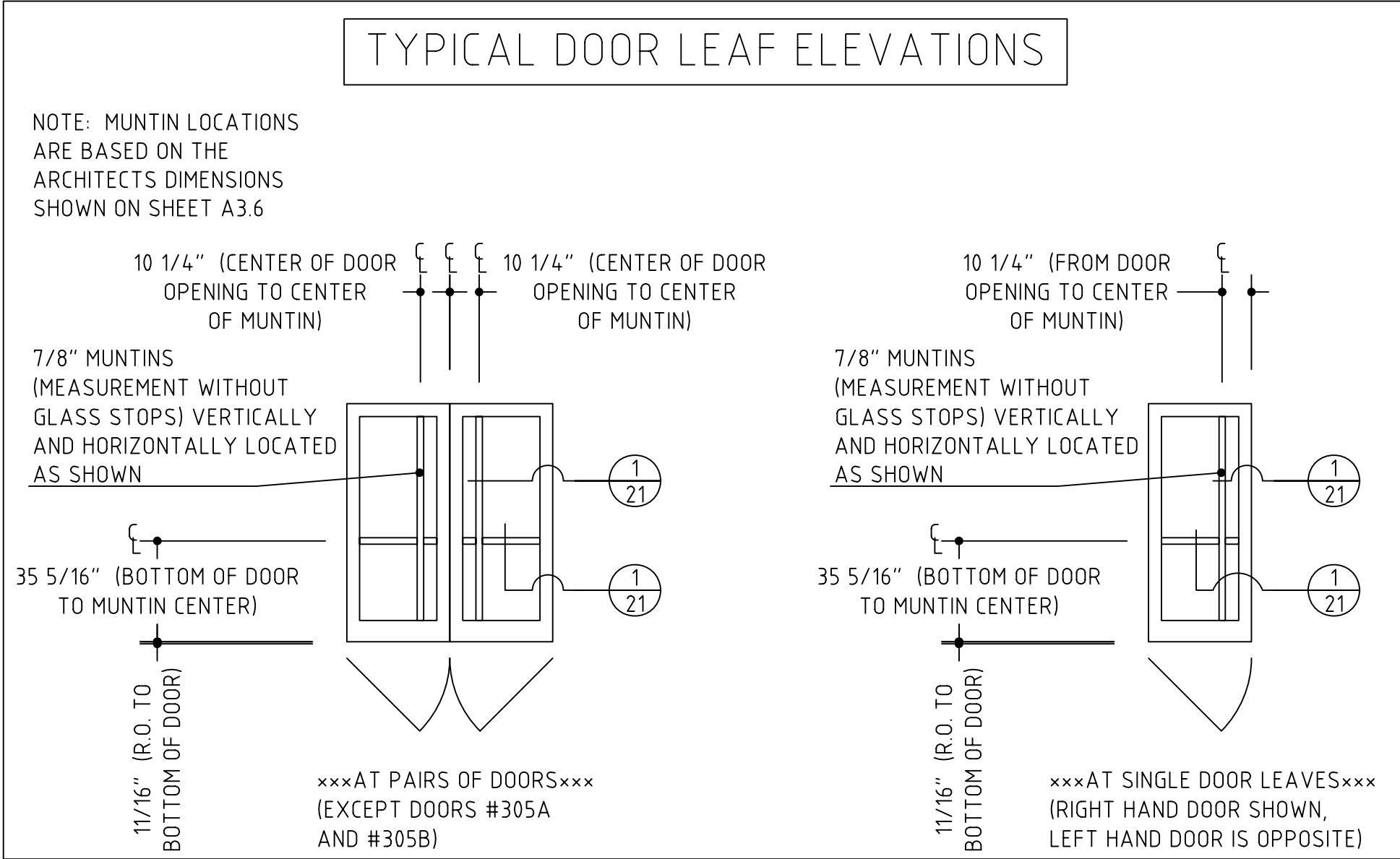
DON'S GLASS & MIRROR, INC.

12619 PERRY HIGHWAY  
WEXFORD, PENNSYLVANIA 15090  
PHONE: (724) 935.0099  
FAX: (724) 935.8587

DRAWN BY: WOOD	DATE: 8.16.2004
SCALES: (UNLESS NOTED OTHERWISE AT THE INDIVIDUAL DRAWINGS) ELEVATIONS: 1/4" = 1'-0" DETAILS: 1/2 SIZE (1/2" = 1")	DRAWINGS PREPARED BY:..... <b>ACCURATE DRAFTING</b> 8126 Foxdale Drive, Norfolk, VA 23502 Phone #: (757) 587-1898 Fax #: (757) 587-1899 Accurate Drafting Website: <a href="http://www.accuratedrafting.com">www.accuratedrafting.com</a>

THERE ARE A TOTAL  
OF (43) SHEETS IN  
THIS SET OF SHOP  
DRAWINGS

NG, INC.  
Virginia 23518  
(7) 587-1897  
fting.com  
accuratedrafting.com



305B	1	WIDE	PAIR	RH/LH	52 7/16" X 92 5/8"	45	C	SEE ELEVATION "CW14"
305A	1	WIDE	PAIR	RH/LH	52 7/16" X 92 5/8"	45	C	SEE ELEVATION "CW14"
145B	1	WIDE	SINGLE	LH	36" X 84"	11	C	SEE ELEVATION "CW10.1"
135D	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW2A"
135C	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW2A"
135B	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW2"
135A	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW2"
131D	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW1A"
131C	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW1A"
131B	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW1"
131A	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW1"
125D	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW2A"
125C	1	WIDE	PAIR	RH/LH	72" X 84"	04	E	SEE ELEVATION "CW2A"
125B	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW2"
125A	1	WIDE	PAIR	RH/LH	72" X 84"	03	C	SEE ELEVATION "CW2"
107B	1	WIDE	SINGLE	RH	36" X 84"	11	C	SEE ELEVATION "CW10"
100D	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW1A"
100C	1	WIDE	PAIR	RH/LH	72" X 84"	02	E	SEE ELEVATION "CW1A"
100B	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW1"
100A	1	WIDE	PAIR	RH/LH	72" X 84"	01	C	SEE ELEVATION "CW1"
DOOR NUMBER	QTY	DOOR STILE	PAIR OR SINGLE	RIGHT OR LEFT HAND	DOOR OPENING (D.O.) SIZE, WIDTH X HEIGHT	HARDWARE SET	GLASS TYPE IN DOOR	NOTES AND COMMENTS

DOOR SCHEDULE

DOOR HARDWARE:

FOR HARDWARE BEING FURNISHED BY OTHERS...  
IT IS THE RESPONSIBILITY OF THE HARDWARE SUPPLIER(S) TO DETERMINE IF THE HARDWARE BEING SUPPLIED IS COMPATIBLE WITH THE DOORS AND DOOR FRAMING AS SHOWN ON THIS SET OF SHOP DRAWINGS. ALL HARDWARE (INCLUDING TEMPLATES, MOUNTING LOCATIONS AND SCHEDULES) MUST BE DELIVERED TO DON'S GLASS & MIRROR FOR FABRICATION INTO THE ALUMINUM DOORS AND DOOR FRAMES. PLEASE MAKE ONLY ONE COMPLETE SHIPMENT.

NOTE: HARDWARE SET NUMBERS REFERENCE/CORRESPOND TO THE HARDWARE SETS SPECIFIED IN SECTION 08710

!!!!!!ALL DOOR LEAVES (EXCEPT #305A AND #305B) HAVE 7/8" (MEASUREMENT WITHOUT GLASS STOPS) MUNTINS (REFER TO THE TYPICAL DOOR ELEVATION ON THIS SHEET FOR MORE INFORMATION ON CONFIGURATION AND LOCATION)  
THE DOORS AT THE ELEVATION ARE SHOWN GENERICALLY FOR CLARITY!!!!!!

xxHARDWARE SET #01: EACH PAIR OF DOORS SHALL RECEIVE THE FOLLOWING..  
ALL HARDWARE FOR THIS PAIR OF DOORS IS FURNISHED BY OTHERS EXCEPT AS NOTED BELOW  
(2) EACH 7 1/2" HIGH (MEASUREMENT WITHOUT GLASS STOPS) BOTTOM RAILS (KAWNEER STANDARD)  
(1) SET OF DOOR FRAME WEATHERSTRIPPING AT THE HEAD AND JAMBS ONLY (KAWNEER STANDARD)  
(2) SETS OF SNAP ON GLAZING BEADS FOR 1" GLASS (KAWNEER STANDARD)

xxHARDWARE SET #02: EACH PAIR OF DOORS SHALL RECEIVE THE FOLLOWING..  
ALL HARDWARE FOR THIS PAIR OF DOORS IS FURNISHED BY OTHERS EXCEPT AS NOTED BELOW  
(2) EACH 7 1/2" HIGH (MEASUREMENT WITHOUT GLASS STOPS) BOTTOM RAILS (KAWNEER STANDARD)  
(1) SET OF DOOR FRAME WEATHERSTRIPPING AT THE HEAD AND JAMBS ONLY (KAWNEER STANDARD)  
(2) SETS OF SNAP ON GLAZING BEADS FOR 1" GLASS (KAWNEER STANDARD)

xxHARDWARE SET #03: EACH PAIR OF DOORS SHALL RECEIVE THE FOLLOWING..  
ALL HARDWARE FOR THIS PAIR OF DOORS IS FURNISHED BY OTHERS EXCEPT AS NOTED BELOW  
(2) EACH 7 1/2" HIGH (MEASUREMENT WITHOUT GLASS STOPS) BOTTOM RAILS (KAWNEER STANDARD)  
(1) SET OF DOOR FRAME WEATHERSTRIPPING AT THE HEAD AND JAMBS ONLY (KAWNEER STANDARD)  
(2) SETS OF SNAP ON GLAZING BEADS FOR 1" GLASS (KAWNEER STANDARD)

xxHARDWARE SET #04: EACH PAIR OF DOORS SHALL RECEIVE THE FOLLOWING..  
ALL HARDWARE FOR THIS PAIR OF DOORS IS FURNISHED BY OTHERS EXCEPT AS NOTED BELOW  
(2) EACH 7 1/2" HIGH (MEASUREMENT WITHOUT GLASS STOPS) BOTTOM RAILS (KAWNEER STANDARD)  
(1) SET OF DOOR FRAME WEATHERSTRIPPING AT THE HEAD AND JAMBS ONLY (KAWNEER STANDARD)  
(2) SETS OF SNAP ON GLAZING BEADS FOR 1" GLASS (KAWNEER STANDARD)

xxHARDWARE SET #11: EACH SINGLE DOOR LEAF SHALL RECEIVE THE FOLLOWING..  
ALL HARDWARE FOR THIS DOOR IS FURNISHED BY OTHERS EXCEPT AS NOTED BELOW  
(1) EACH 7 1/2" HIGH (MEASUREMENT WITHOUT GLASS STOPS) BOTTOM RAIL (KAWNEER STANDARD)  
(1) SET OF DOOR FRAME WEATHERSTRIPPING AT THE HEAD AND JAMBS ONLY (KAWNEER STANDARD)  
(1) SET OF SNAP ON GLAZING BEADS FOR 1" GLASS (KAWNEER STANDARD)

xxHARDWARE SET #45: EACH PAIR OF DOORS SHALL RECEIVE THE FOLLOWING..  
ALL HARDWARE FOR THIS PAIR OF DOORS IS FURNISHED BY OTHERS EXCEPT AS NOTED BELOW  
(2) EACH 7 1/2" HIGH (MEASUREMENT WITHOUT GLASS STOPS) BOTTOM RAILS (KAWNEER STANDARD)  
(1) SET OF DOOR FRAME WEATHERSTRIPPING AT THE HEAD AND JAMBS ONLY (KAWNEER STANDARD)  
(2) SETS OF SNAP ON GLAZING BEADS FOR 1" GLASS (KAWNEER STANDARD)

FASTENER NOTES:

FASTENER LENGTHS:  
THE LENGTH OF EACH FASTENER SHOULD BE DETERMINED TO  
SUIT THE CONDITION FOUND AT THE DETAIL WHERE IT IS USED.  
FASTENER SPACING:  
ALL FASTENERS SHOULD BE SPACED AS DIRECTED WITHIN THE  
FRAMING MANUFACTURER'S STANDARD INSTALLATION  
INSTRUCTIONS

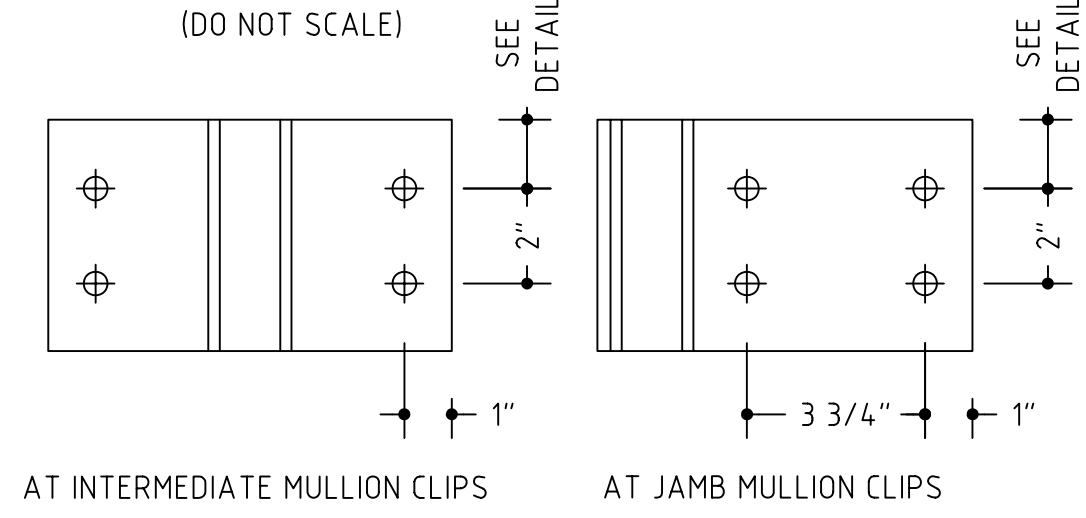
NOTE: APPLY SEALANT OVER ALL FASTENER HEADS IN  
LOCATIONS WHERE WATER PENETRATION IS MOST LIKELY

\*\*\*\*\*FOR FASTENERS INTO CONCRETE:  
MINIMUM CONCRETE DESIGN OF f'c = 3000 p.s.i. IS ASSUMED  
(CONCRETE BY OTHERS)\*\*\*\*\*

FASTENER DESIGNATION:	FASTENER DESCRIPTION:	USE WITH A PLASTIC EXPANSION ANCHOR:	FASTENER MATERIAL:	FASTENER SPACING:
F1	3/8"-16 HEX HEAD BOLT WITH TWO FLAT WASHERS AND ONE LOCKNUT--LENGTH TO SUIT CONDITION (2 1/2")	NOT APPLICABLE	GRADE 5 STEEL	SEE FASTENER SKETCH "FS1" AT RIGHT
F2	3/8"-16 HEX HEAD BOLT WITH TWO FLAT WASHERS AND ONE LOCKNUT--LENGTH TO SUIT CONDITION (2 1/2")	NOT APPLICABLE	GRADE 5 STEEL	SEE FASTENER SKETCH "FS2" AT RIGHT
F3	3/8" HILTI KWIK BOLT II, 2 1/2" MIN. EMBEDMENT, MIN. SPACING 4", MIN. EDGE DISTANCE 5"	NOT APPLICABLE	STEEL	SEE FASTENER SKETCH "FS2" AT RIGHT
F4	1/4"-20, #4 POINT, HILTI KWIK-FLEX SELF DRILLING, HEX WASHER HEAD SCREW (LENGTH TO SUIT CONDITION)	NOT APPLICABLE	KWIK-COTE	4 SCREWS AT EACH MULLION CLIP--LIKE "FS1" (NO SET SPACING)
F5	1/2" HILTI KWIK BOLT II, 3 1/2" MIN. EMBEDMENT, MIN. SPACING 3 1/4", MIN. EDGE DISTANCE 7"	NOT APPLICABLE	STEEL	SEE QUANTITY AND LOCATIONS AT THE DETAIL
F6	3/8"-16 HEX HEAD BOLT WITH TWO FLAT WASHERS AND ONE LOCKNUT--LENGTH TO SUIT CONDITION (2 1/4")	NOT APPLICABLE	GRADE 5 STEEL	SEE QUANTITY AND LOCATIONS AT THE DETAIL
F7	1/2"-13 HEX HEAD BOLT WITH TWO FLAT WASHERS, ONE LOCK WASHER AND ONE HEX NUT--LENGTH TO SUIT CONDITION	NOT APPLICABLE	GRADE 5 STEEL	SEE QUANTITY AND LOCATIONS AT THE DETAIL

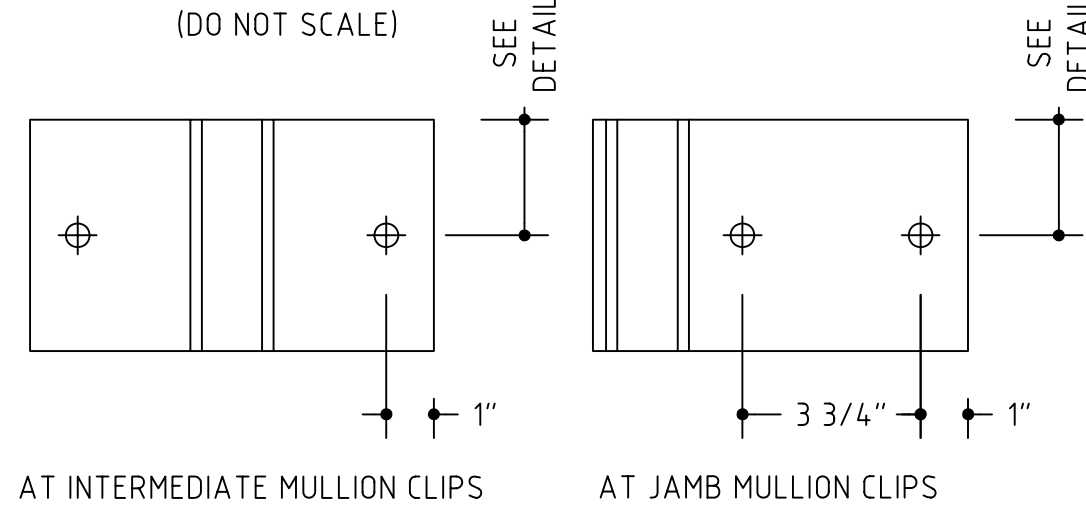
FASTENER SKETCH "FS1"

(DO NOT SCALE)

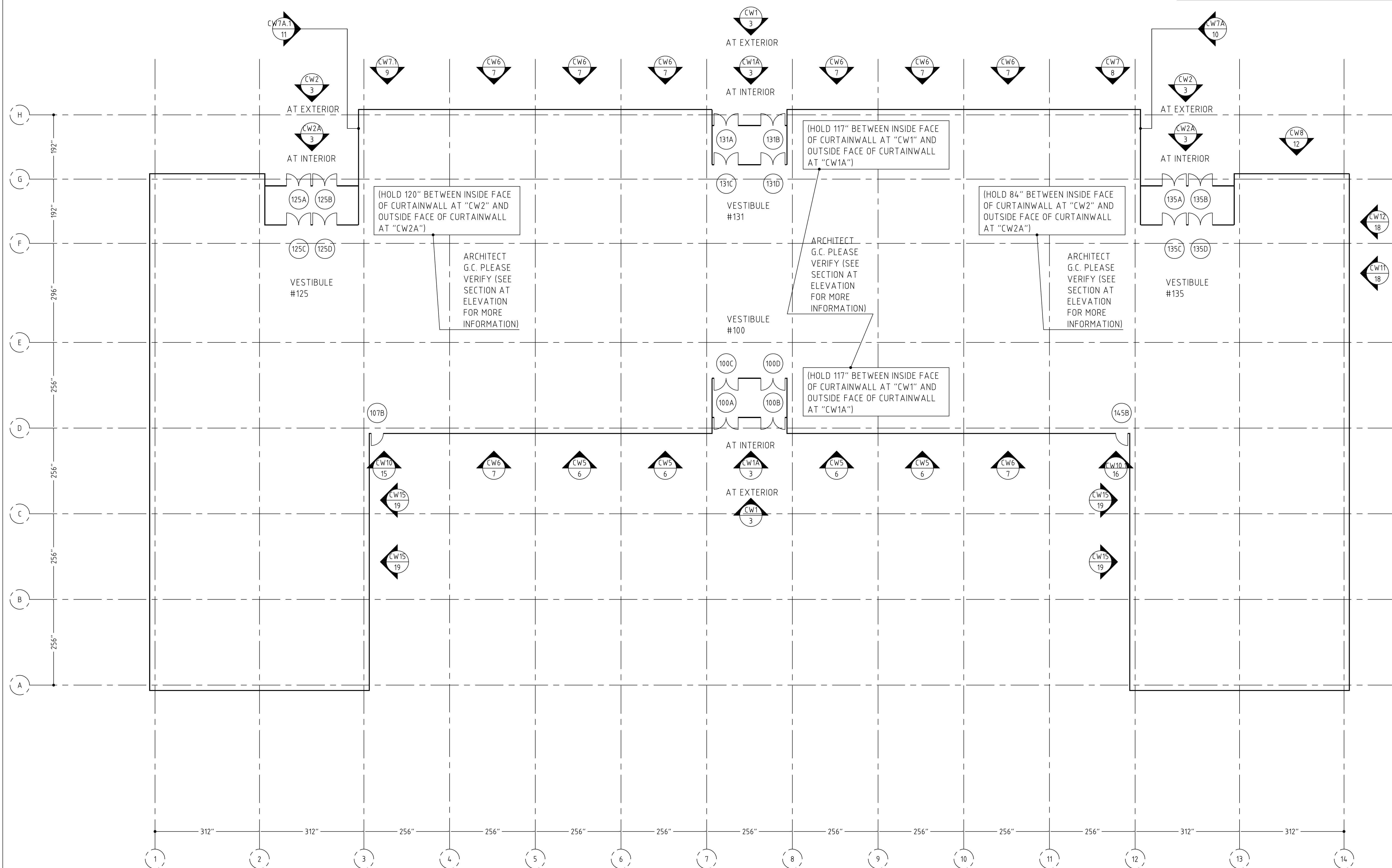


FASTENER SKETCH "FS2"

(DO NOT SCALE)




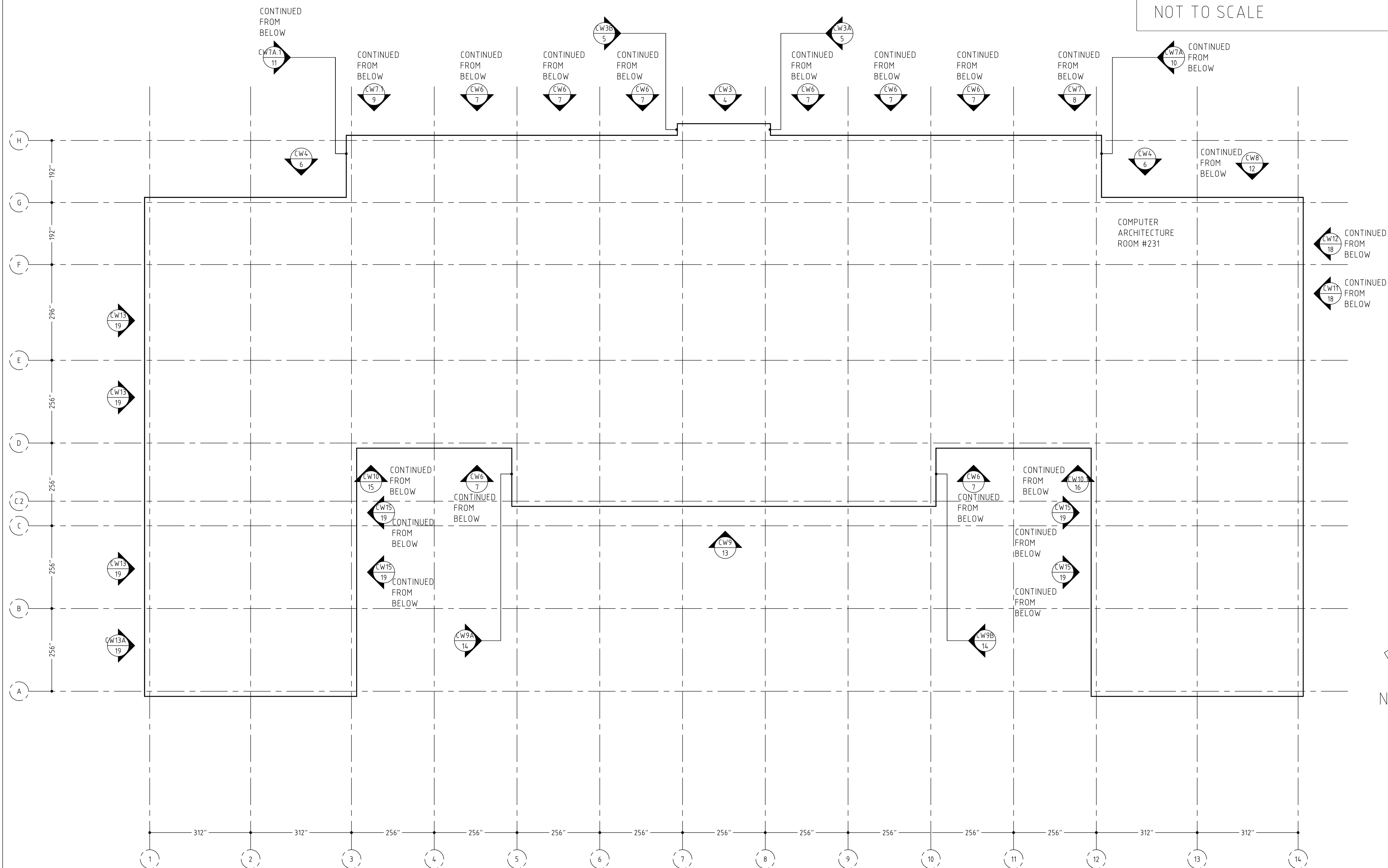
VINCENT SCIENCE BUILDING  
OVERALL KEY FLOOR PLAN  
GROUND LEVEL  
NOT TO SCALE



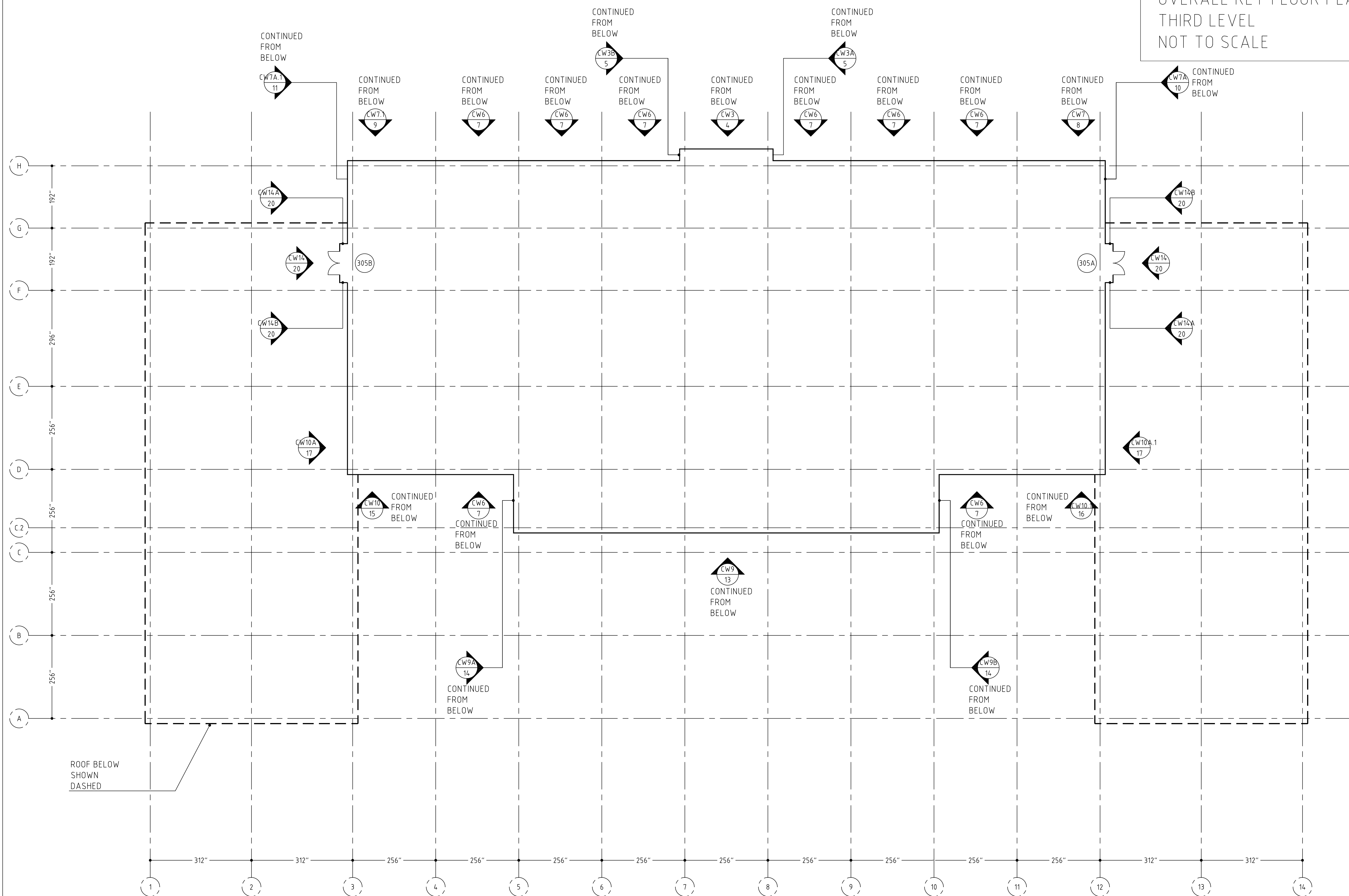
NORTH



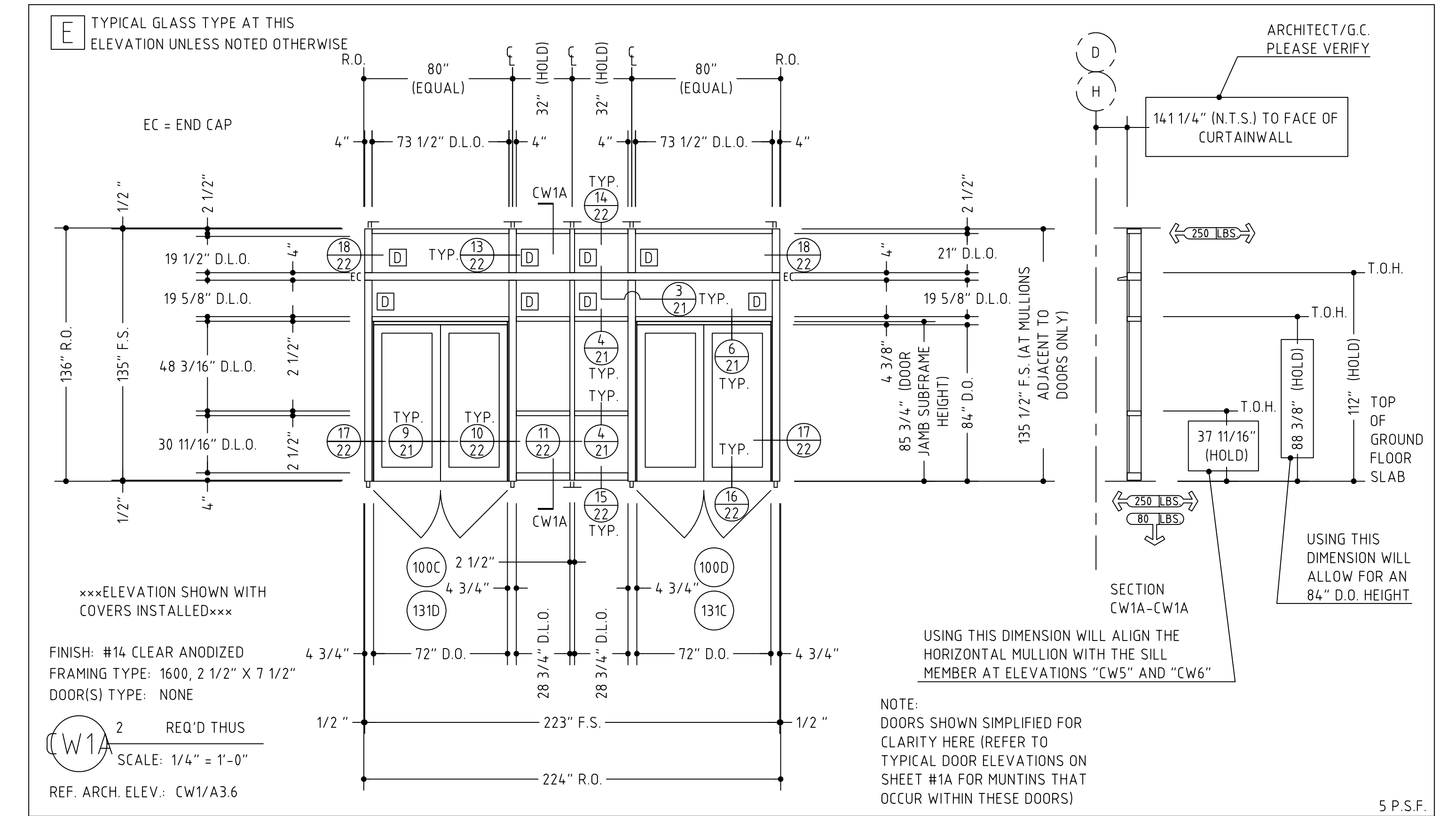
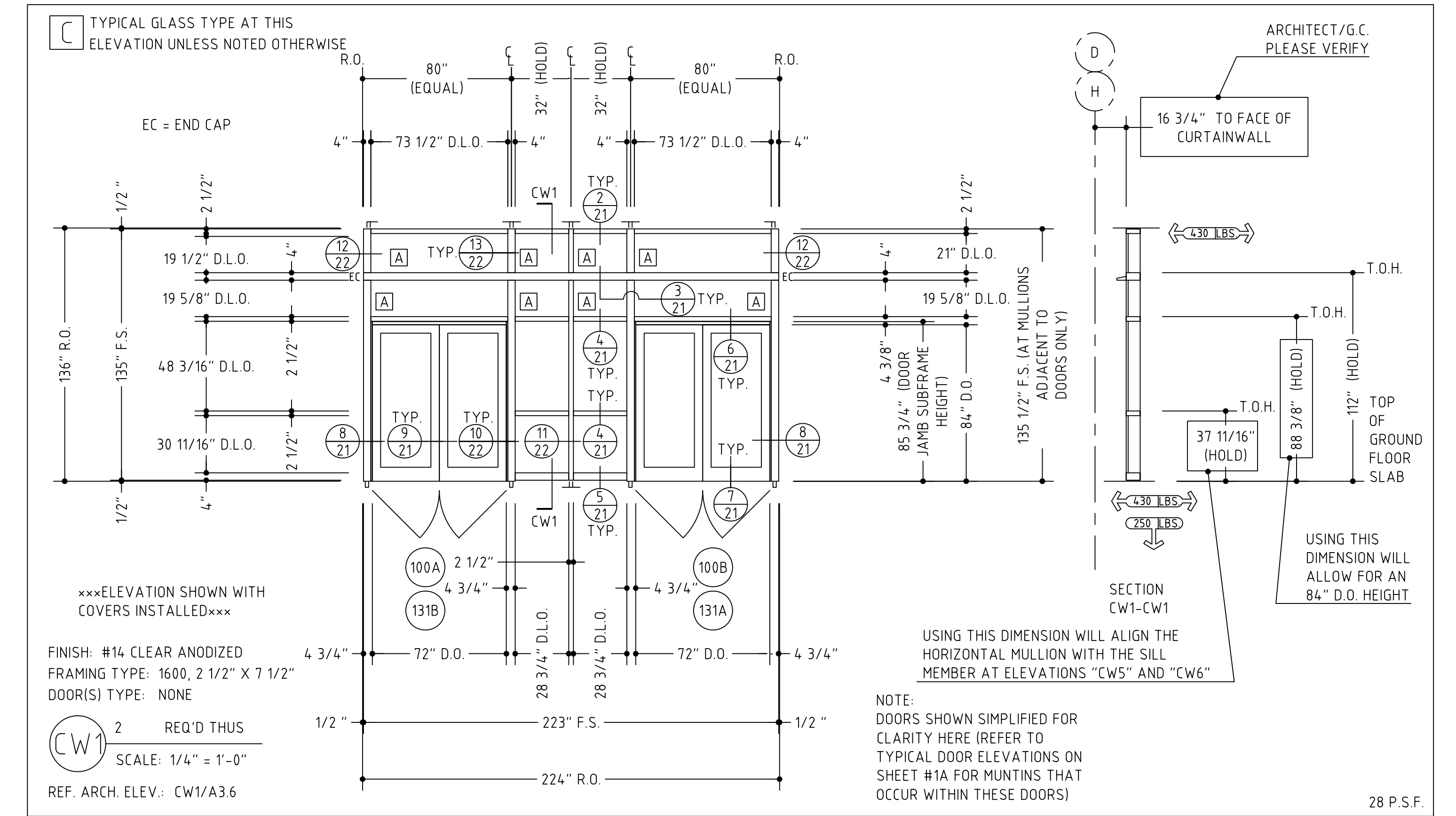
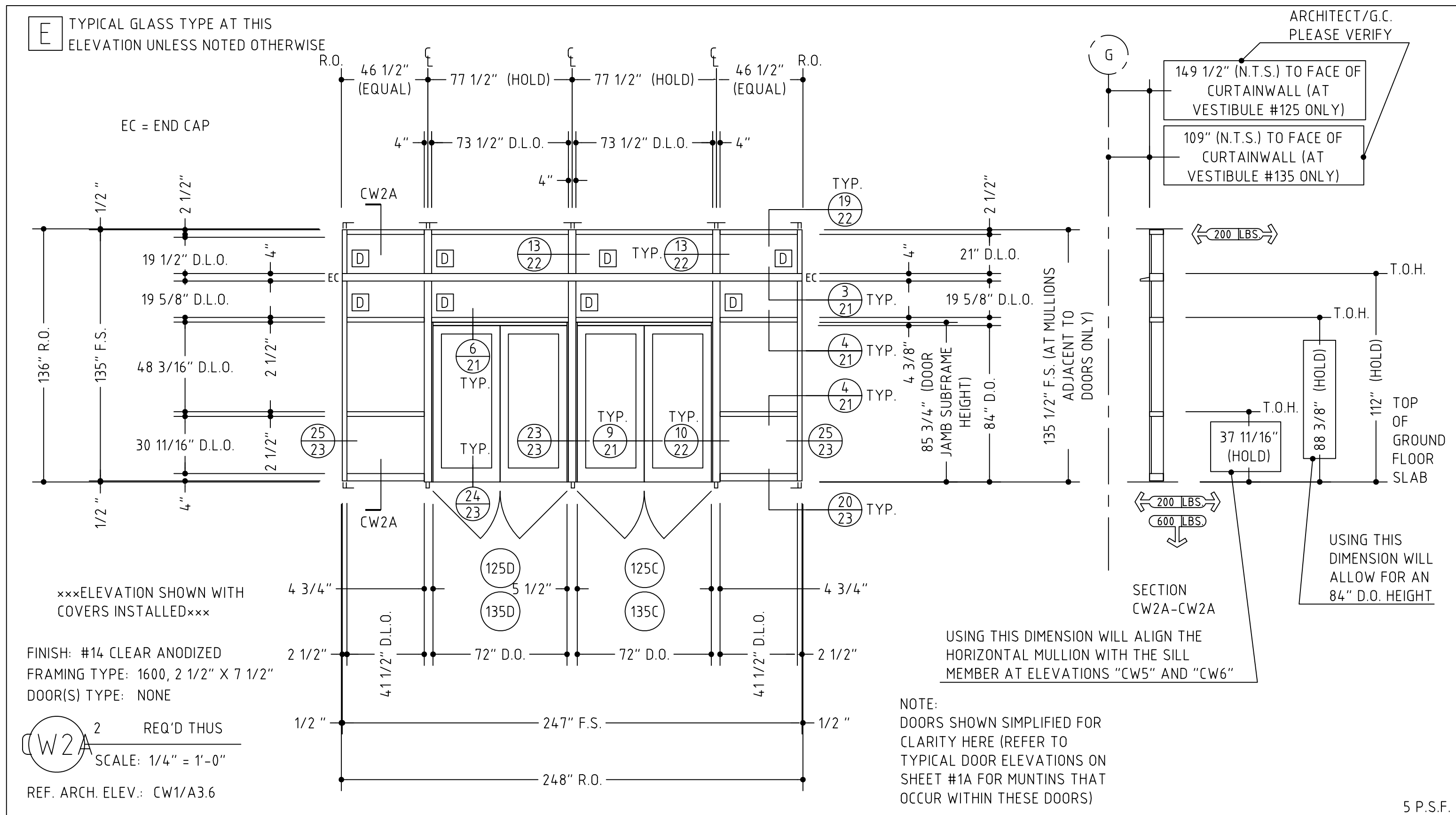
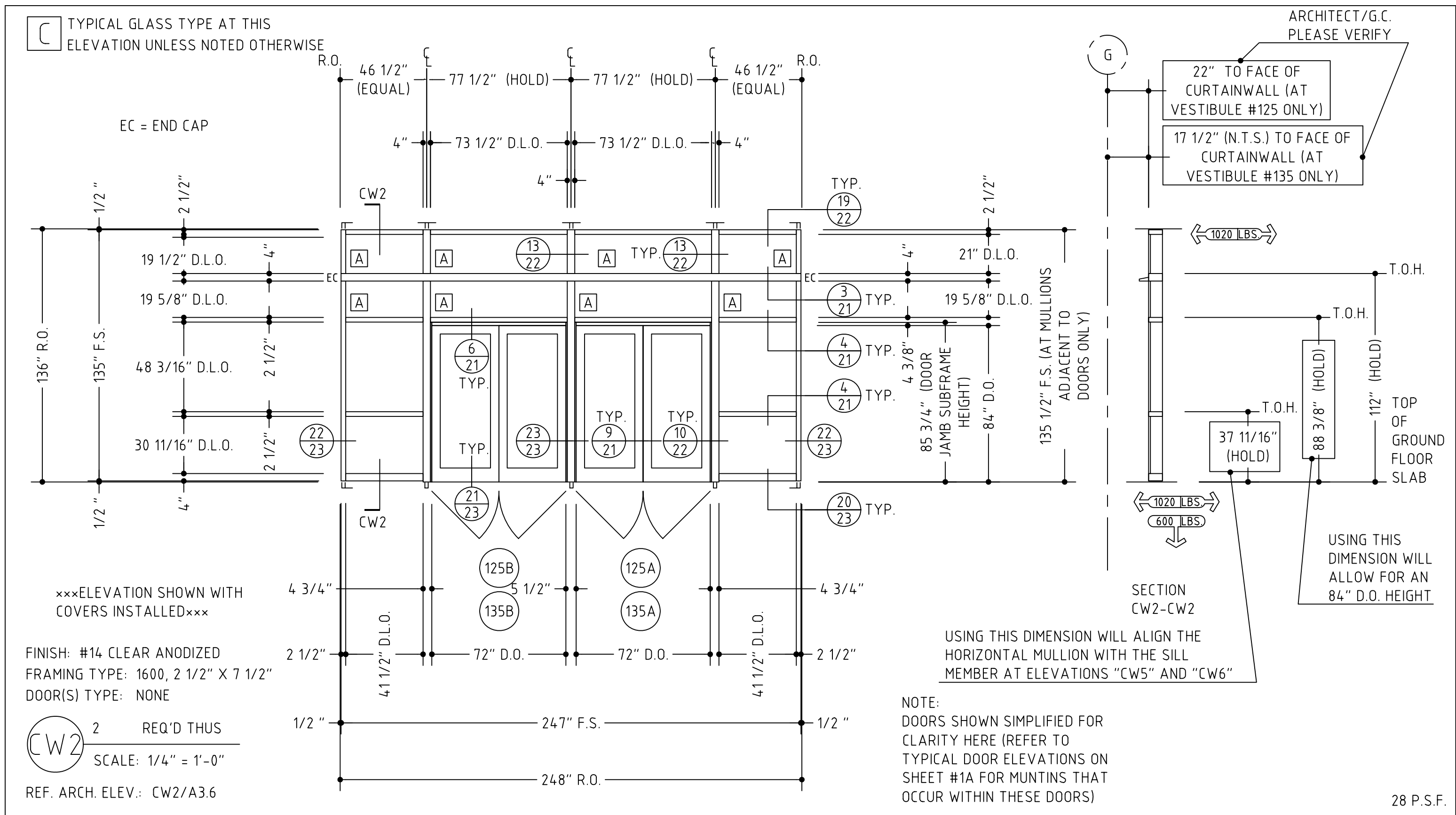
VINCENT SCIENCE BUILDING  
OVERALL KEY FLOOR PLAN  
SECOND LEVEL  
NOT TO SCALE



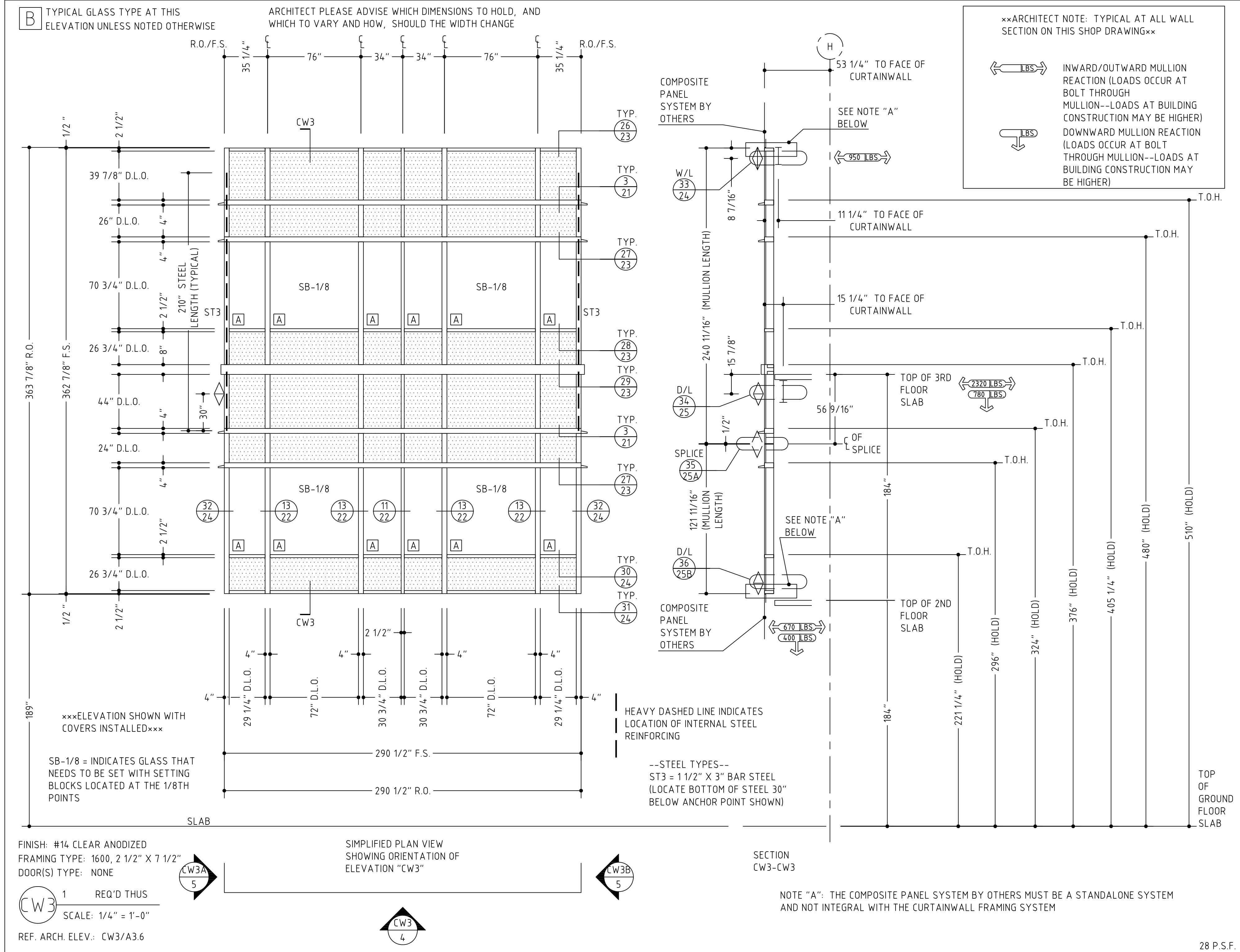
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OVERALL KEY FLOOR PLAN  
THIRD LEVEL  
NOT TO SCALE



NORTH



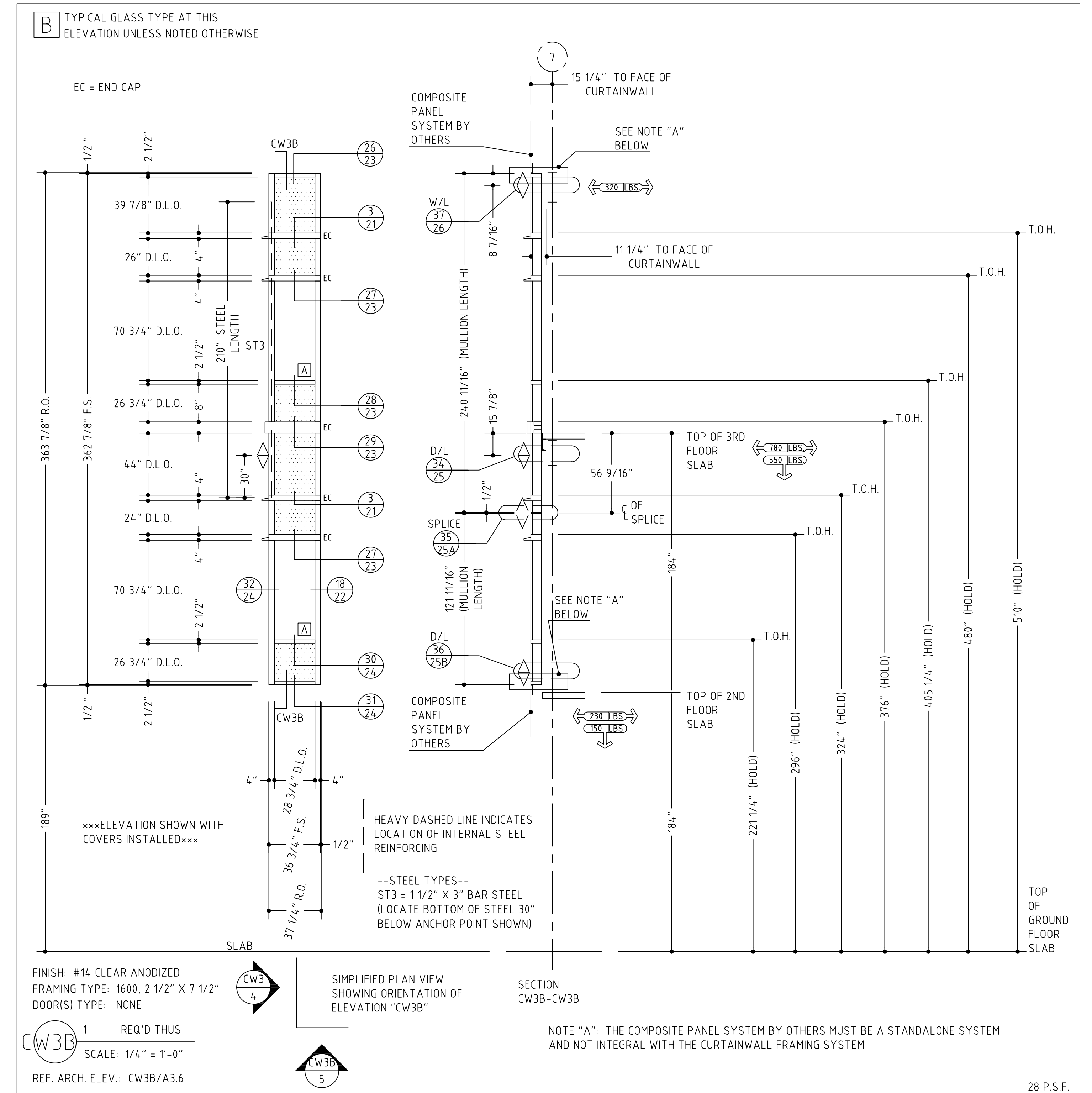
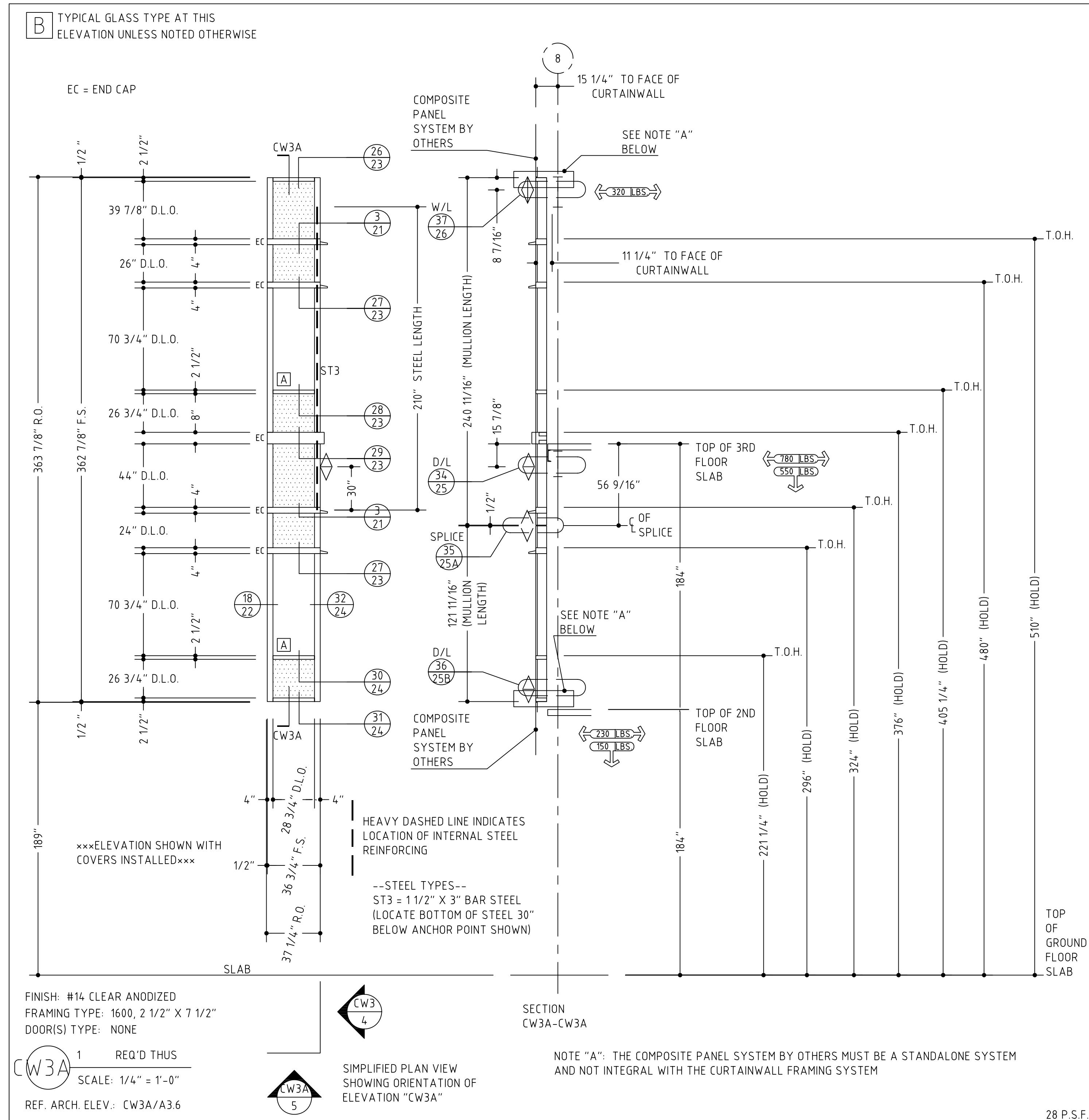
VERIFY ALL DIMENSIONS



REPLACEMENT OF  
INCINERATOR SCIENCE  
BUILDING,  
SLIPPERY ROCK  
UNIVERSITY,  
PENNSYLVANIA  
SHEET #:

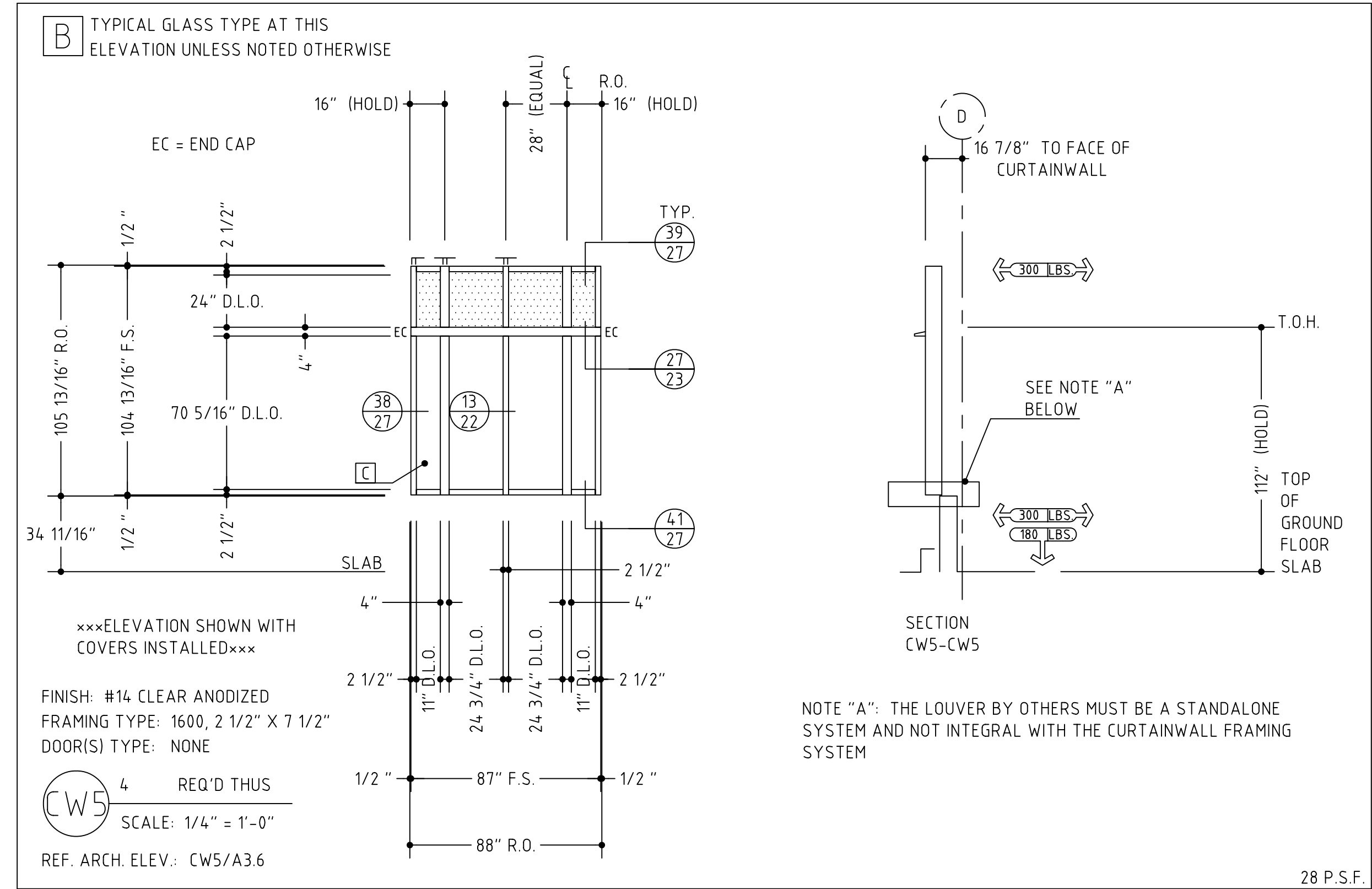
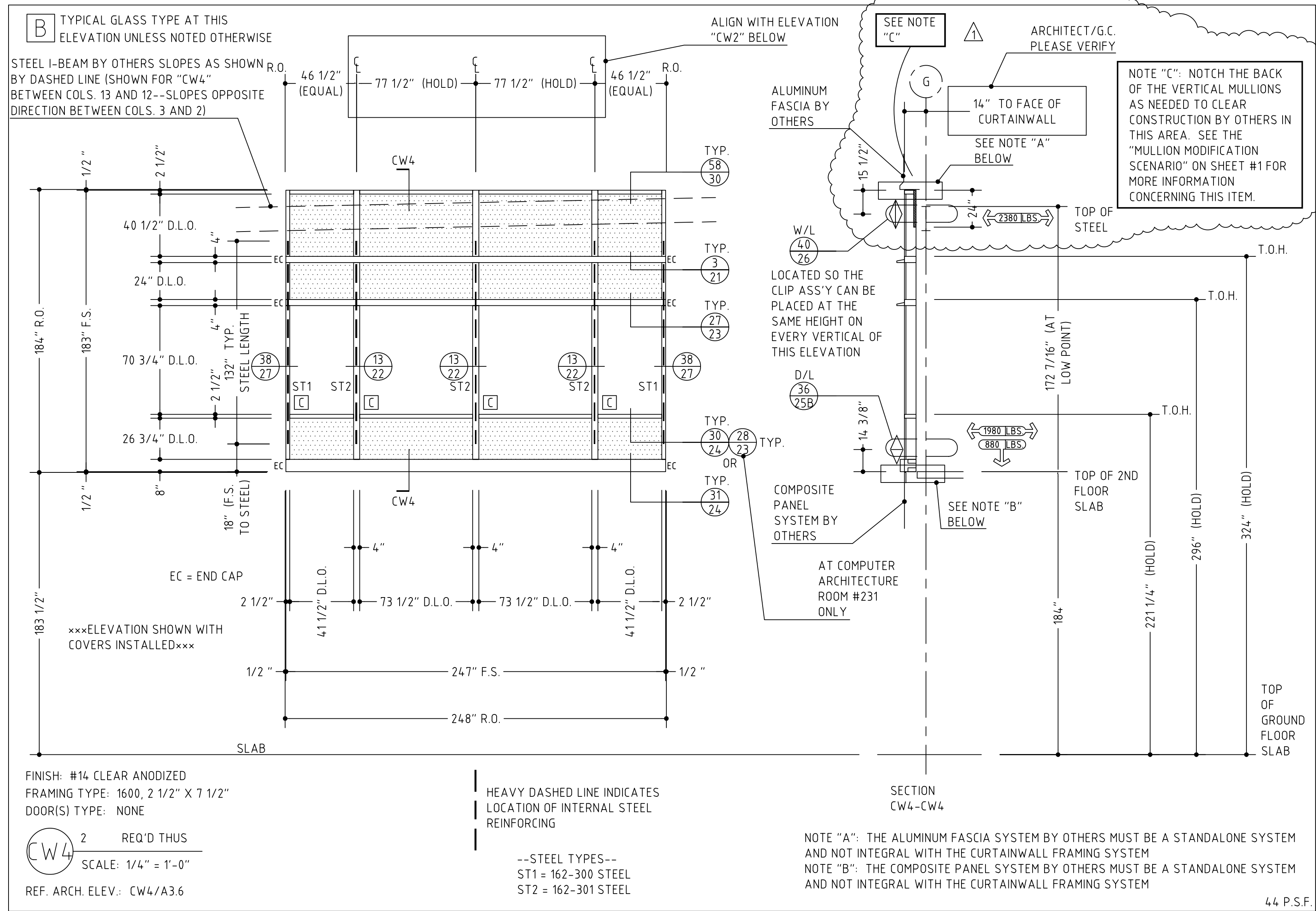


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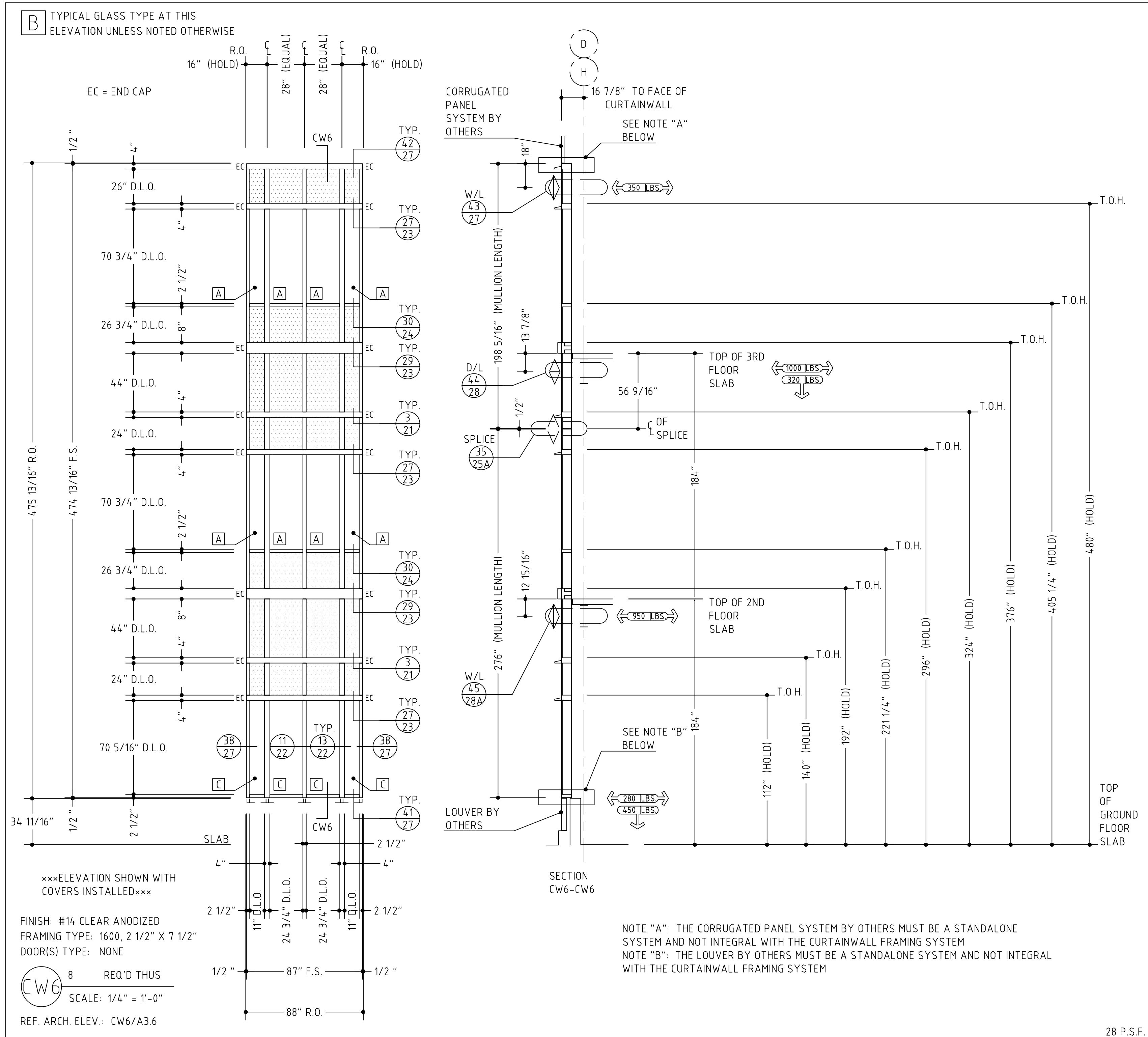


REPLACEMENT OF  
INCENT SCIENCE  
BUILDING,  
SLIPPERY ROCK  
UNIVERSITY,  
PENNSYLVANIA  
SHEET #:

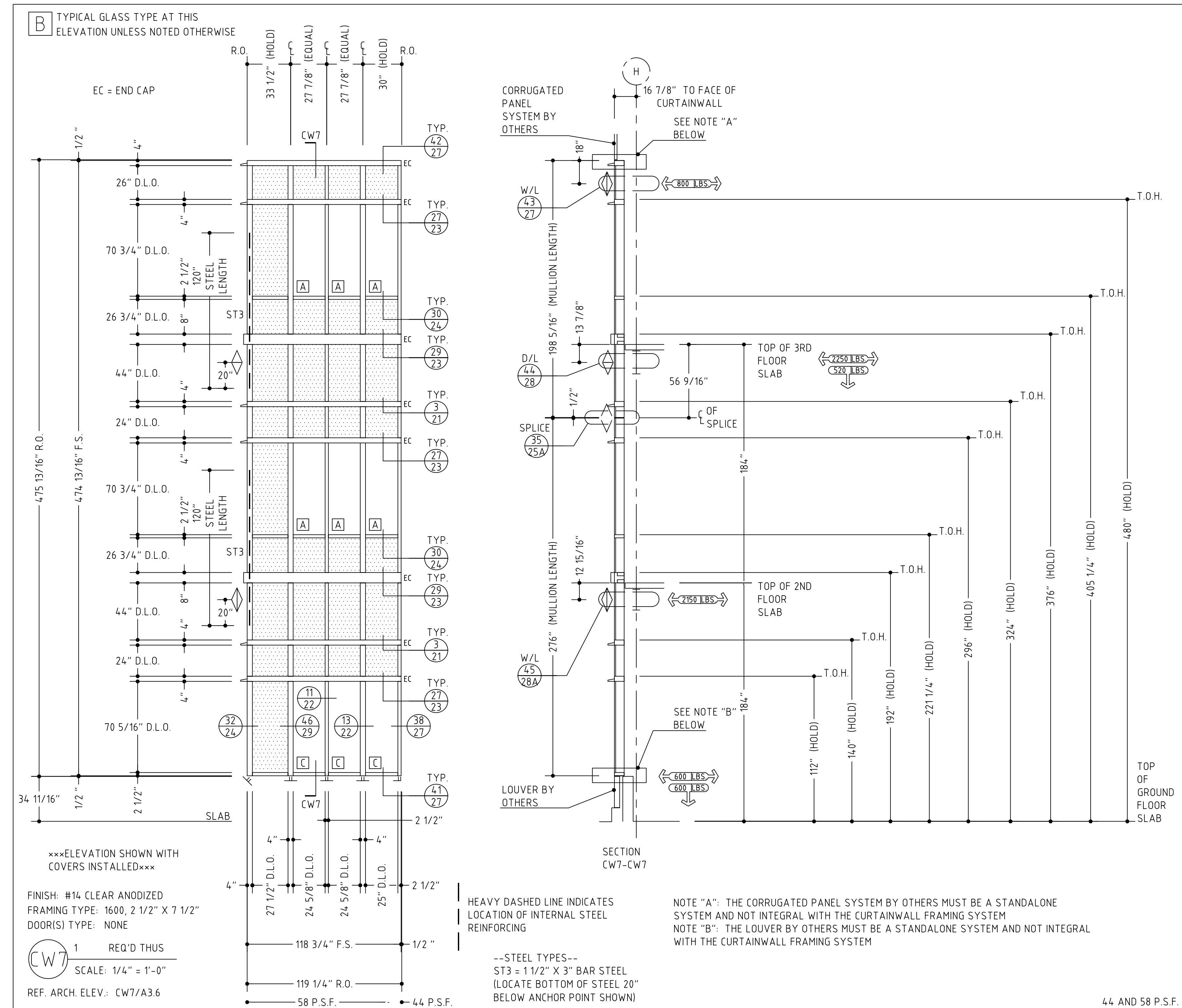
5



VERIFY ALL DIMENSIONS

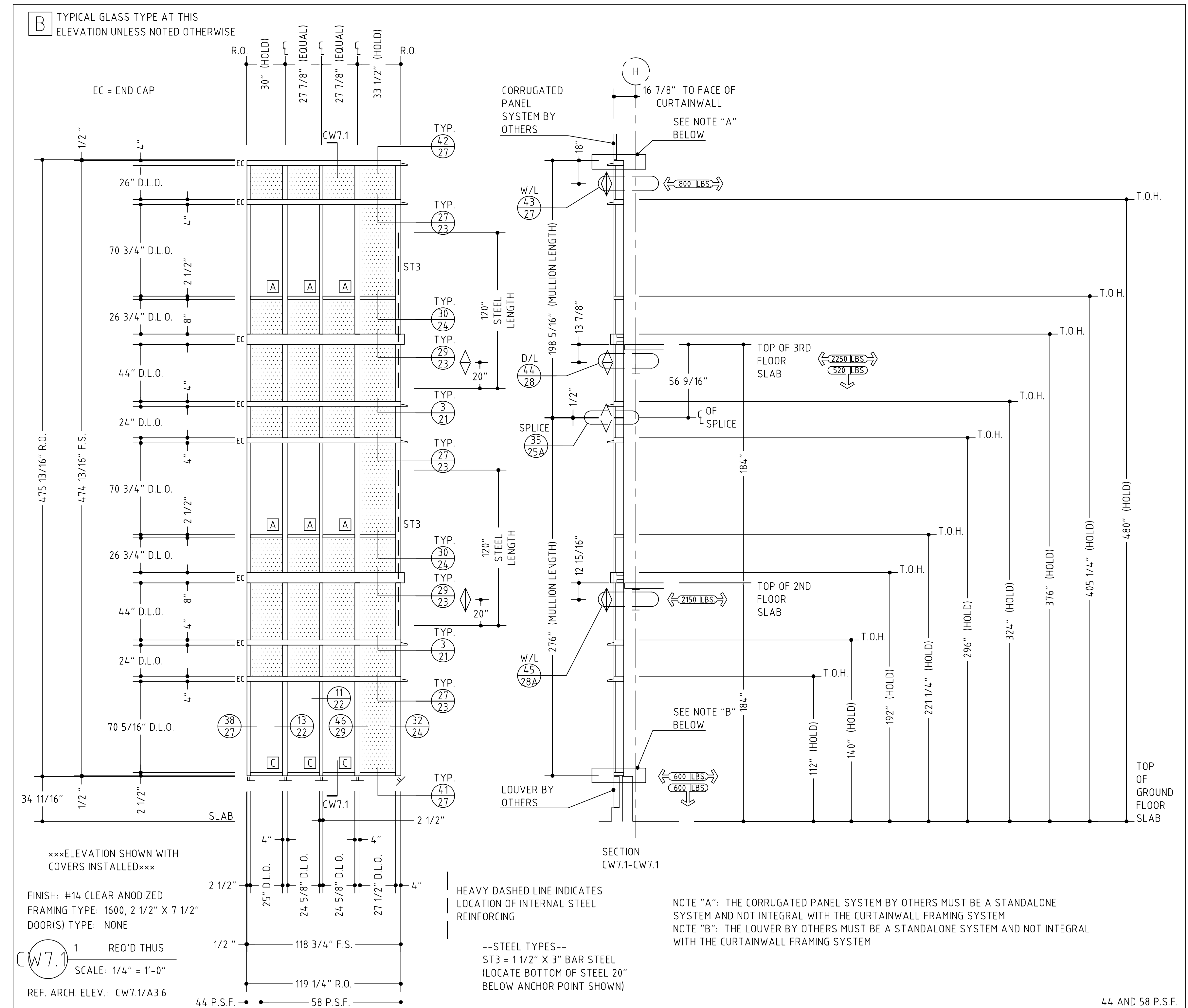


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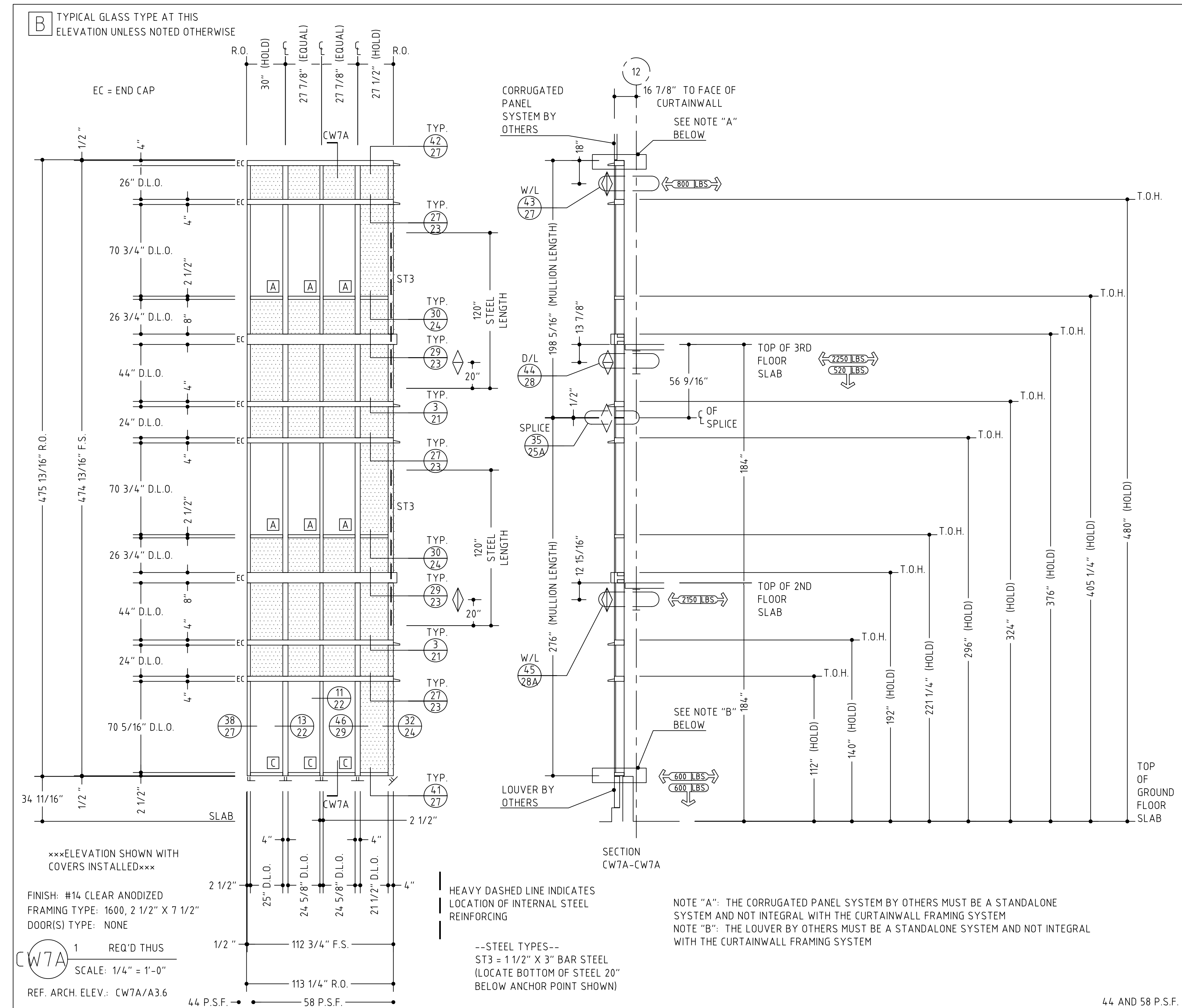




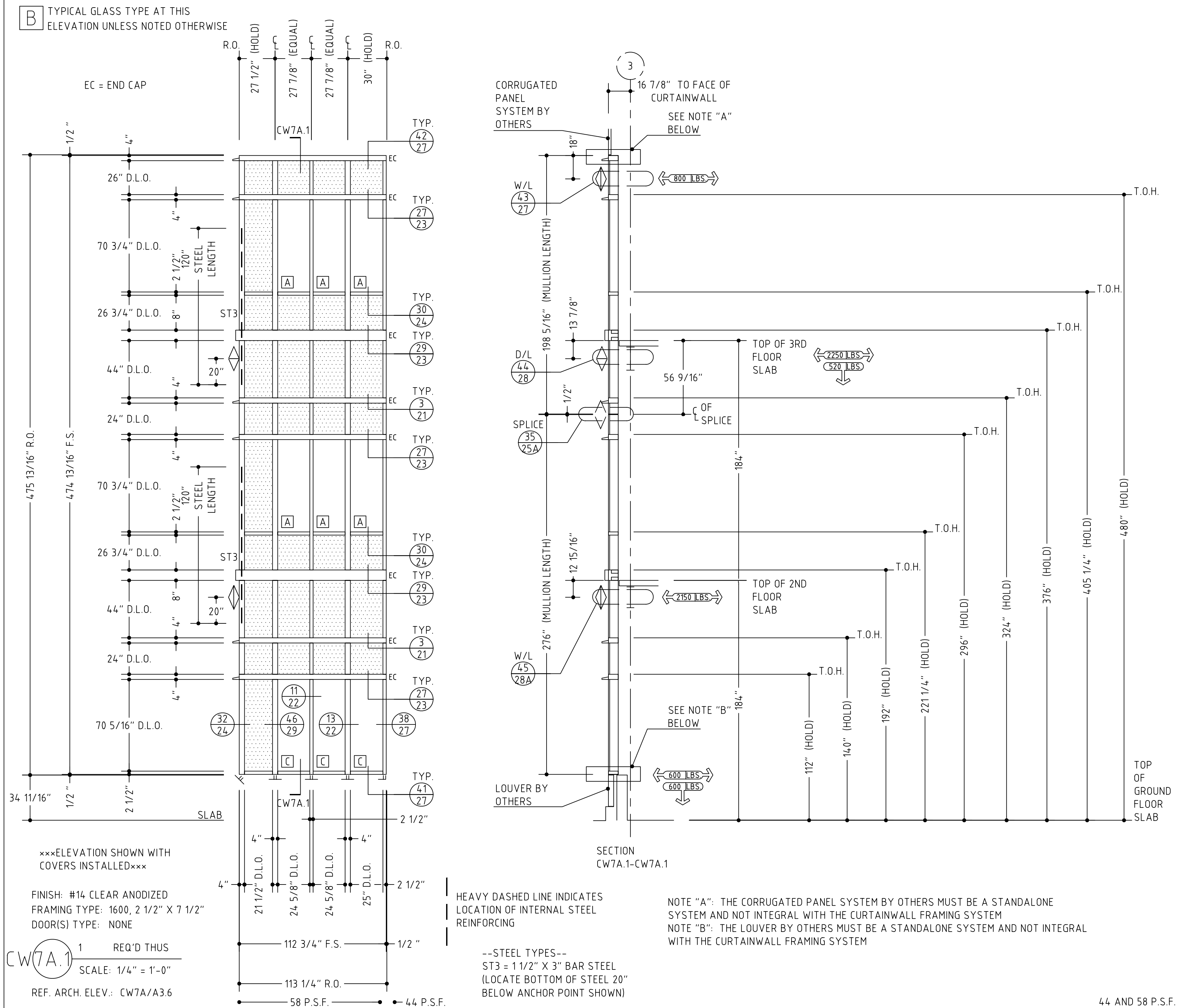
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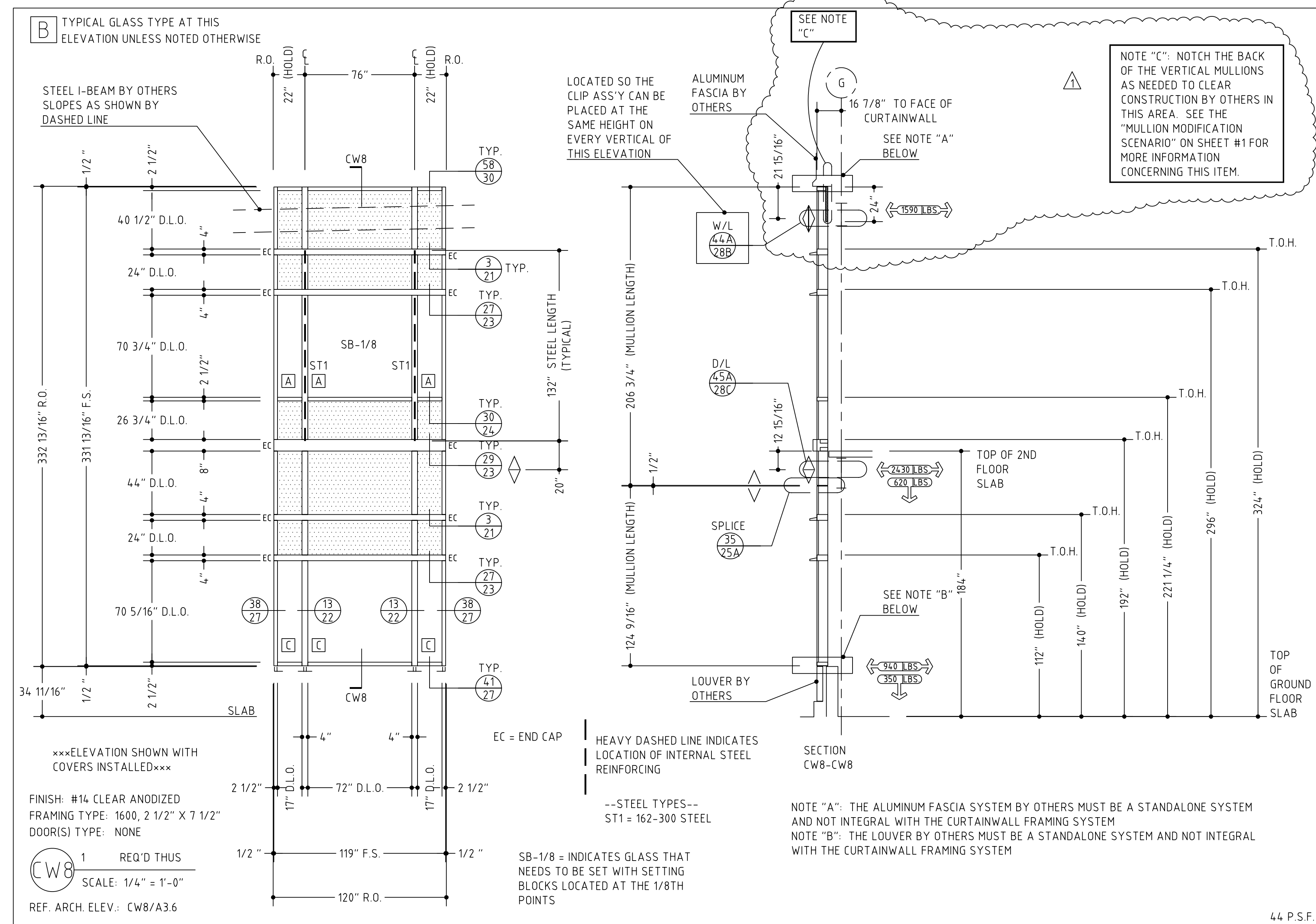
VERIFY ALL DIMENSIONS



VERIFY ALL DIMENSIONS



VERIFY ALL DIMENSIONS

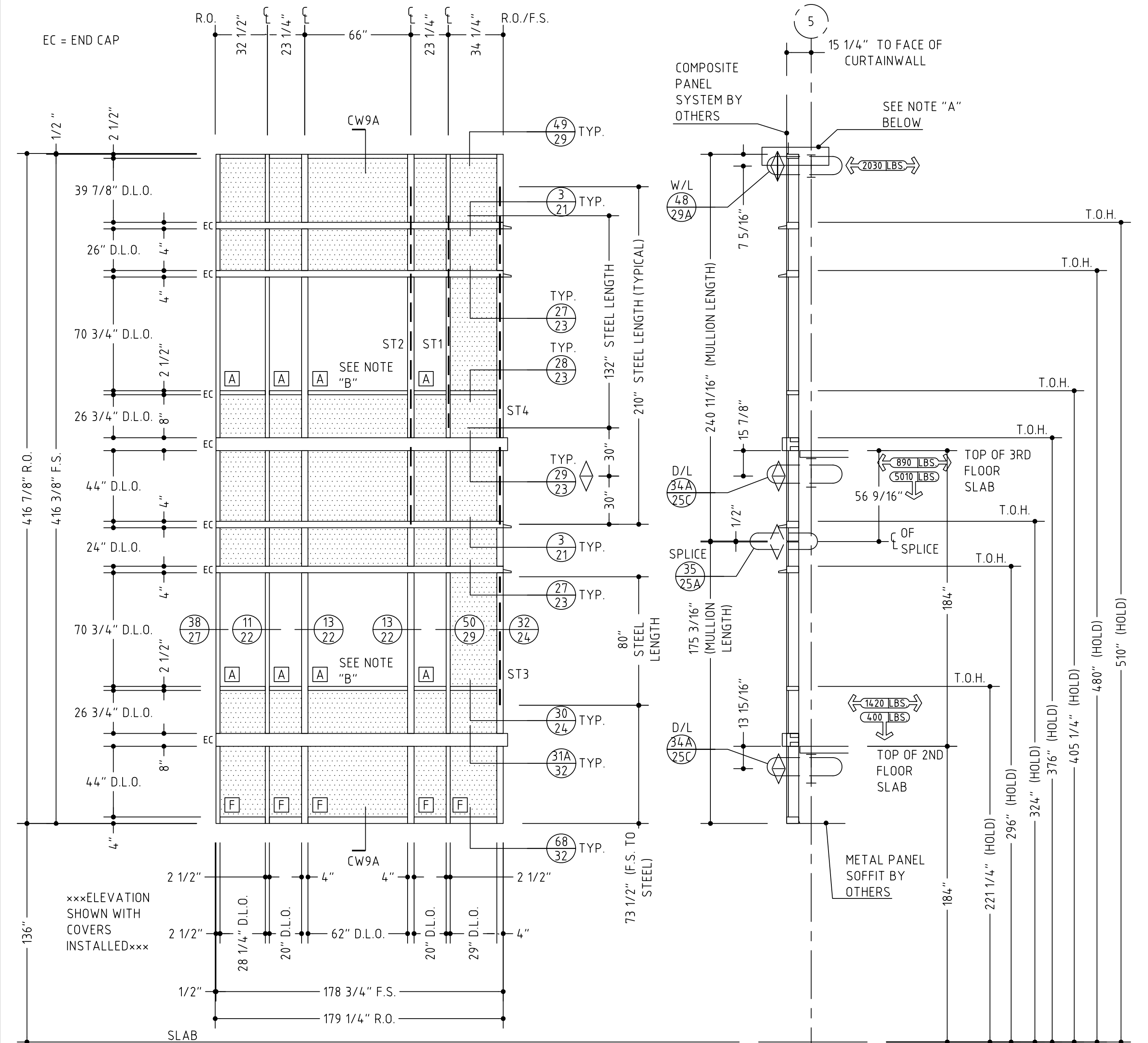




NOTE: THIS ELEVATION HAS BEEN SCALED DOWN SLIGHTLY TO FIT ON ONE SHEET FOR EASE OF USE. DO NOT SCALE THIS DRAWING!

VERIFY ALL DIMENSIONS

B TYPICAL GLASS TYPE AT THIS ELEVATION UNLESS NOTED OTHERWISE



NOTE "B": ALL OF THE HORIZONTALS OCCURRING BELOW THE LARGE GLASS UNITS NEED TO HAVE ADDITIONAL FASTENERS INTO THE SHEAR BLOCK (SEE DETAILS FOR MORE INFORMATION)

FINISH: #14 CLEAR ANODIZED  
FRAMING TYPE: 1600, 2 1/2" X 7 1/2"  
DOOR(S) TYPE: NONE

CW9A 1 REQ'D THUS  
SCALE: 1/4" = 1'-0"

REF. ARCH. ELEV.: CW9A/A3.7

SIMPLIFIED PLAN VIEW  
SHOWING ORIENTATION OF  
ELEVATION "CW9A"

EXTENDED  
CURTAINWALL  
BEYOND SECOND  
FLOOR AS SHOWN

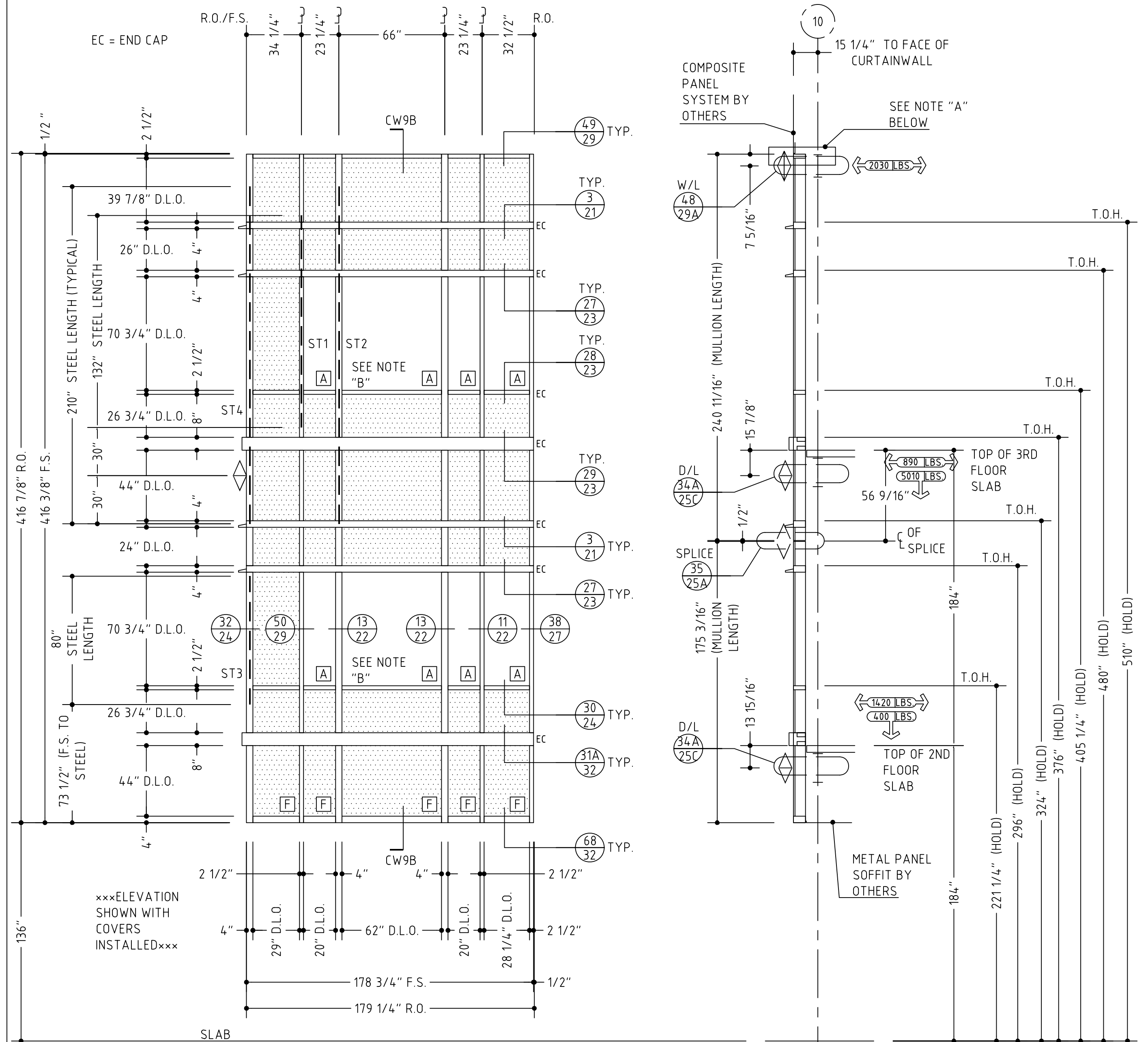
HEAVY DASHED LINE INDICATES  
LOCATION OF INTERNAL STEEL  
REINFORCING

NOTE "A": THE COMPOSITE PANEL SYSTEM  
BY OTHERS MUST BE A STANDALONE  
SYSTEM AND NOT INTEGRAL WITH THE  
CURTAINWALL FRAMING SYSTEM

--STEEL TYPES--  
ST1 = 162-300 STEEL  
ST2 = 162-301 STEEL  
ST3 = 1 1/2" X 3" BAR STEEL (LOCATE BOTTOM OF  
STEEL AS SHOWN AT ELEVATION)  
ST4 = 1 3/4" X 3 1/2" BAR STEEL (LOCATE BOTTOM OF  
STEEL AS SHOWN AT ELEVATION)

58 AND 44 P.S.F.

B TYPICAL GLASS TYPE AT THIS ELEVATION UNLESS NOTED OTHERWISE



NOTE "B": ALL OF THE HORIZONTALS OCCURRING BELOW THE LARGE GLASS UNITS NEED TO HAVE ADDITIONAL FASTENERS INTO THE SHEAR BLOCK (SEE DETAILS FOR MORE INFORMATION)

FINISH: #14 CLEAR ANODIZED  
FRAMING TYPE: 1600, 2 1/2" X 7 1/2"  
DOOR(S) TYPE: NONE

CW9B 1 REQ'D THUS  
SCALE: 1/4" = 1'-0"

REF. ARCH. ELEV.: CW9B/A3.7

SIMPLIFIED PLAN VIEW  
SHOWING ORIENTATION OF  
ELEVATION "CW9B"

EXTENDED  
CURTAINWALL  
BEYOND SECOND  
FLOOR AS SHOWN

HEAVY DASHED LINE INDICATES  
LOCATION OF INTERNAL STEEL  
REINFORCING

NOTE "A": THE COMPOSITE PANEL SYSTEM  
BY OTHERS MUST BE A STANDALONE  
SYSTEM AND NOT INTEGRAL WITH THE  
CURTAINWALL FRAMING SYSTEM

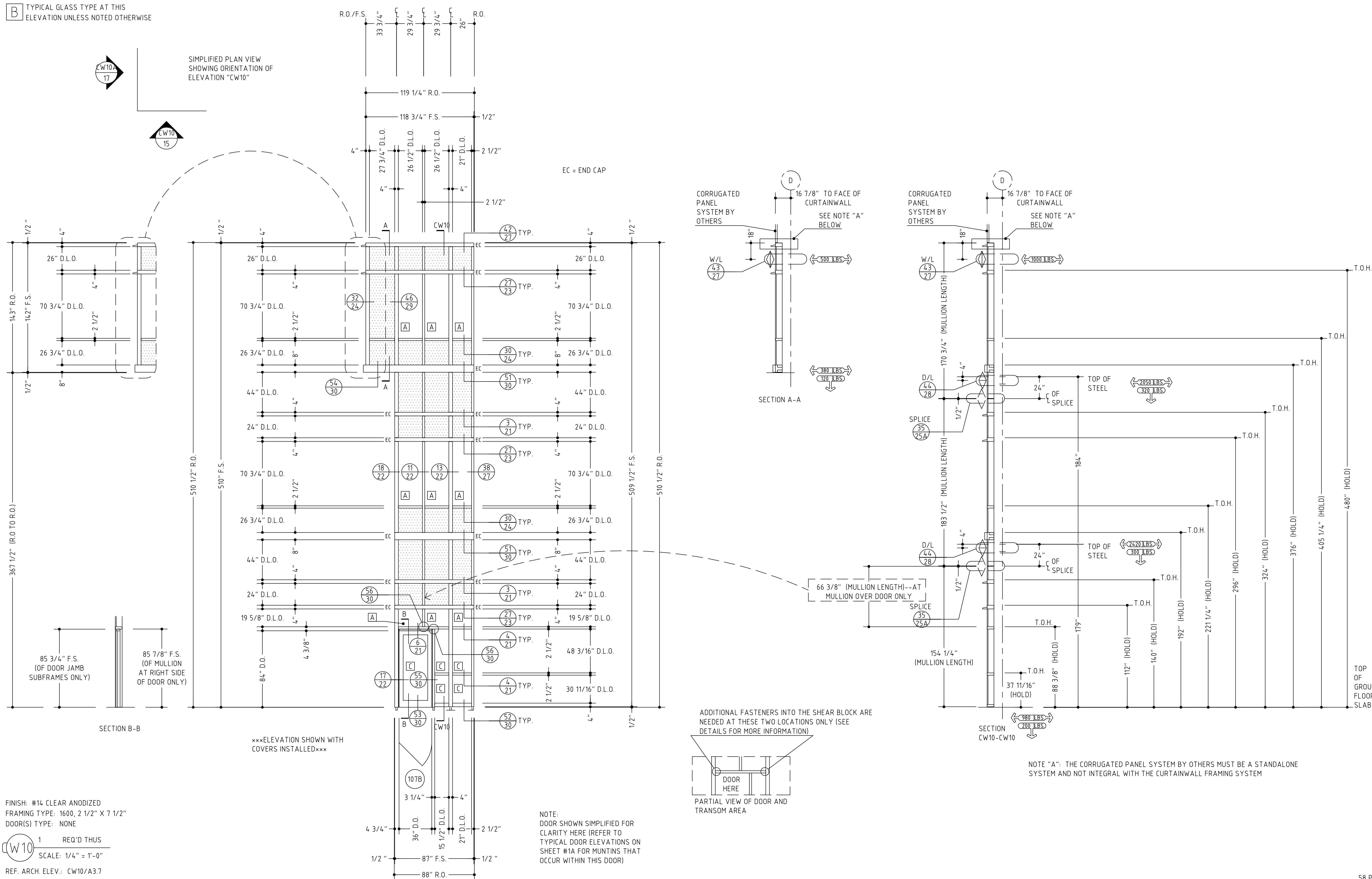
--STEEL TYPES--  
ST1 = 162-300 STEEL  
ST2 = 162-301 STEEL  
ST3 = 1 1/2" X 3" BAR STEEL (LOCATE BOTTOM OF  
STEEL AS SHOWN AT ELEVATION)  
ST4 = 1 3/4" X 3 1/2" BAR STEEL (LOCATE BOTTOM OF  
STEEL AS SHOWN AT ELEVATION)

58 AND 44 P.S.F.

REPLACEMENT OF  
VINCENT SCIENCE  
BUILDING,  
SLIPPERY ROCK  
UNIVERSITY,  
PENNSYLVANIA  
SHEET #:

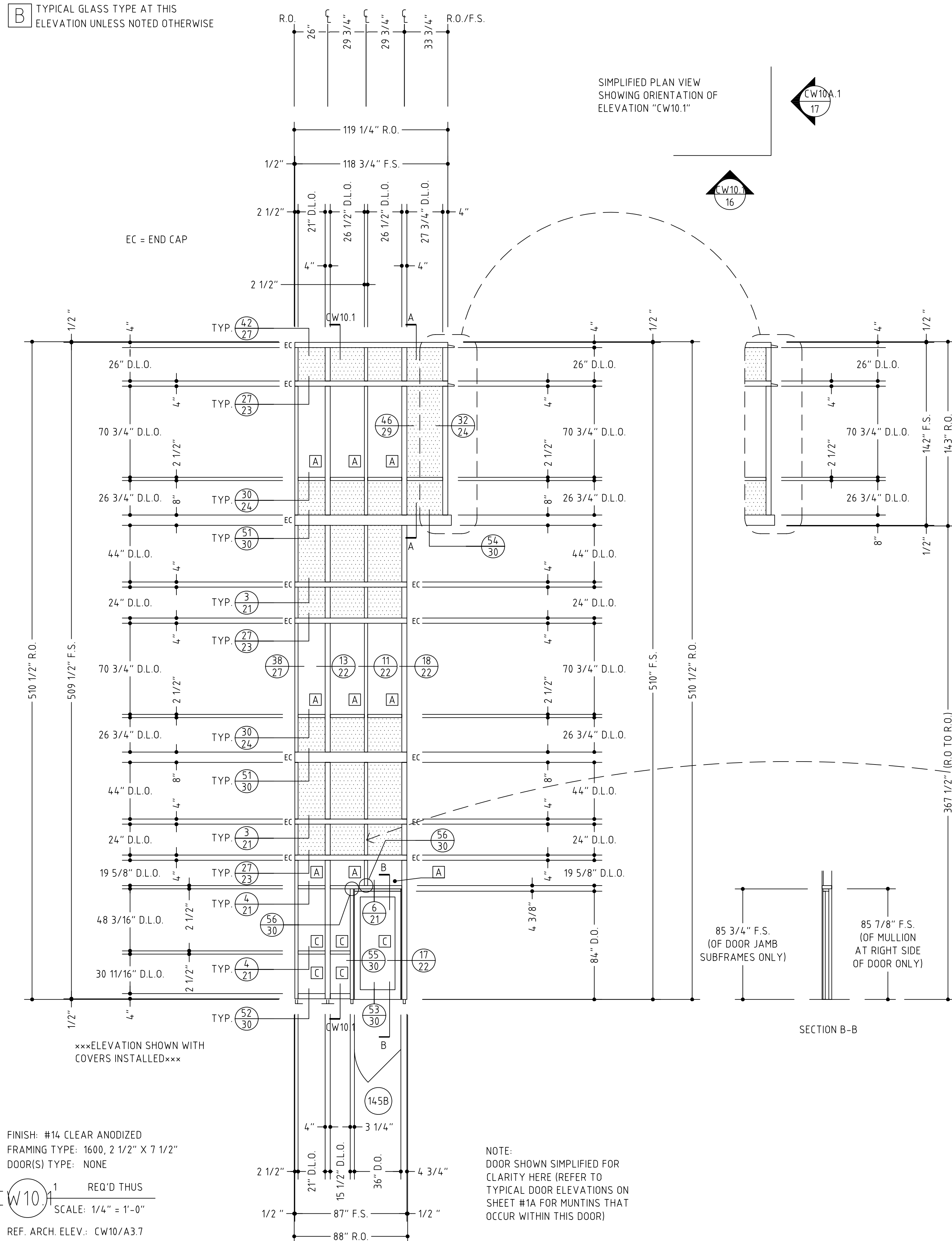
VERIFY ALL DIMENSIONS

B TYPICAL GLASS TYPE AT THIS ELEVATION UNLESS NOTED OTHERWISE



VERIFY ALL DIMENSIONS

**B** TYPICAL GLASS TYPE AT THIS  
ELEVATION UNLESS NOTED OTHERWISE



SIMPLIFIED PLAN VIEW  
SHOWING ORIENTATION OF  
ELEVATION "CW10.1"

CW10A.1  
17



CORRUGATED  
PANEL  
SYSTEM BY  
OTHERS

16 7/8" TO FACE OF  
CURTAINWALL

SEE NOTE "A"  
BELOW

SECTION A-A

CORRUGATED  
PANEL  
SYSTEM BY  
OTHERS

16 7/8" TO FACE OF  
CURTAINWALL

SEE NOTE "A"  
BELOW

SPLICE  
35

SECTION  
CW10.1-CW1

NOTE "A": THE CORRUGATED PANEL SYSTEM BY OTHERS MUST BE A STANDALONE SYSTEM AND NOT INTEGRAL WITH THE CURTAINWALL FRAMING SYSTEM

ADDITIONAL FASTENERS INTO THE SHEAR BLOCK ARE  
NEEDED AT THESE TWO LOCATIONS ONLY (SEE  
DETAILS FOR MORE INFORMATION)

PARTIAL VIEW OF DOOR AND  
TRANSOM AREA

FINISH: #14 CLEAR ANODIZED  
FRAMING TYPE: 1600, 2 1/2" X 7 1/2"  
DOOR(S) TYPE: NONE

NOTE:  
DOOR SHOWN SIMPLIFIED FOR  
CLARITY HERE (REFER TO  
TYPICAL DOOR ELEVATIONS ON  
SHEET #1A FOR MUNTINS THAT  
OCCUR WITHIN THIS DOOR)

W10.1 REQ'D THUS  
SCALE: 1/4" = 1'-0"

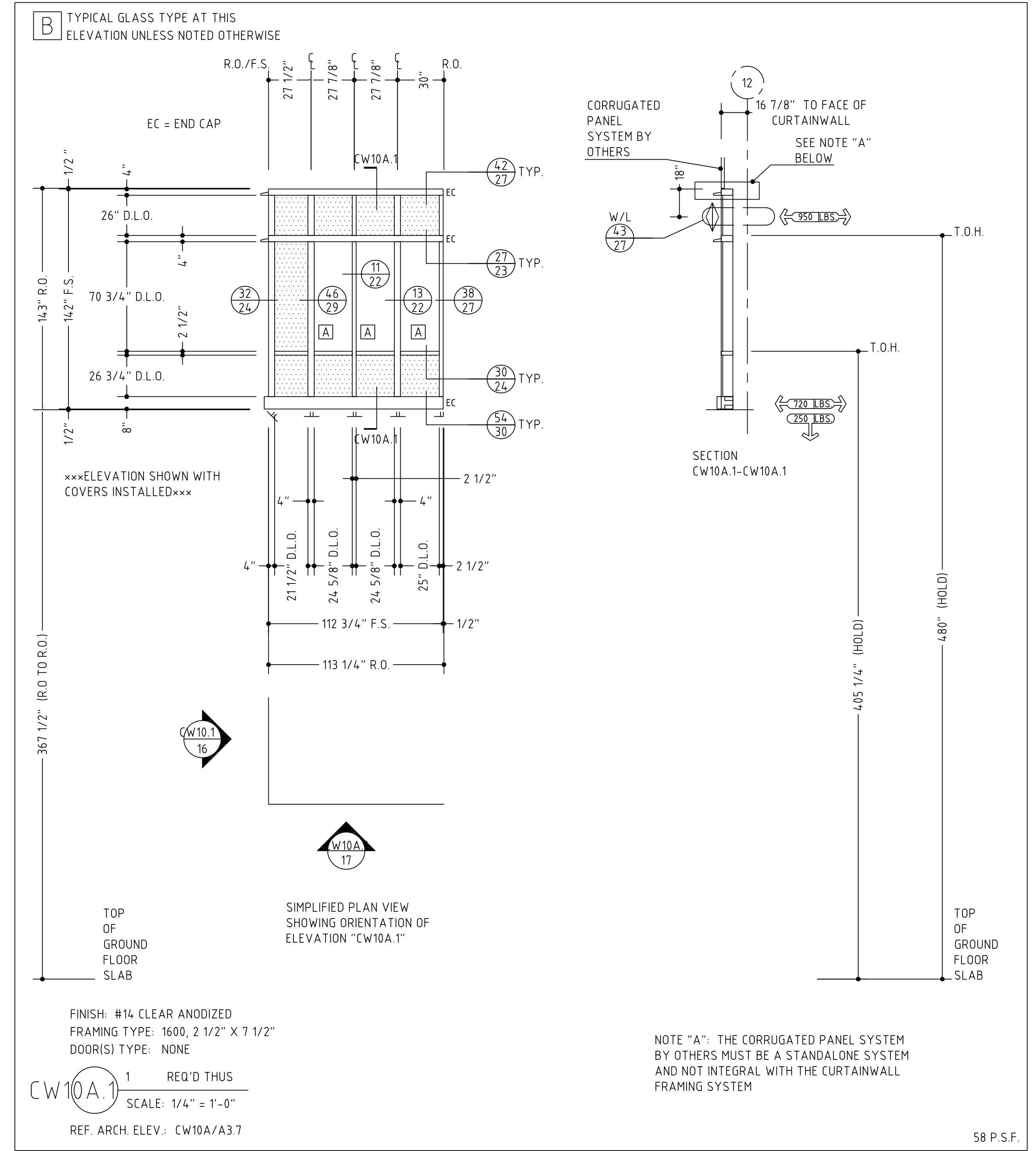
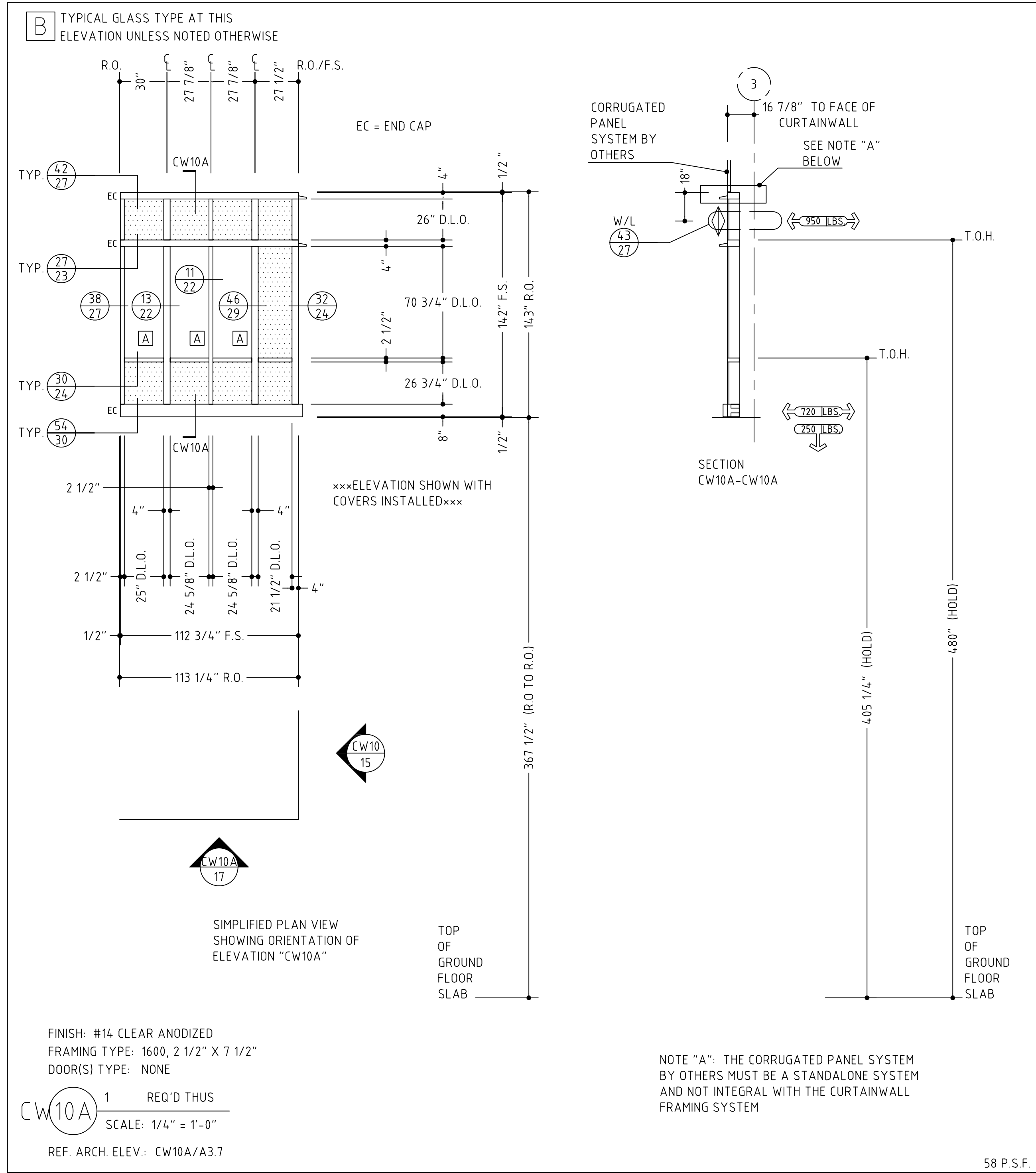
REF. ARCH. ELEV.: CW10/A3.7

58 P.S.F.

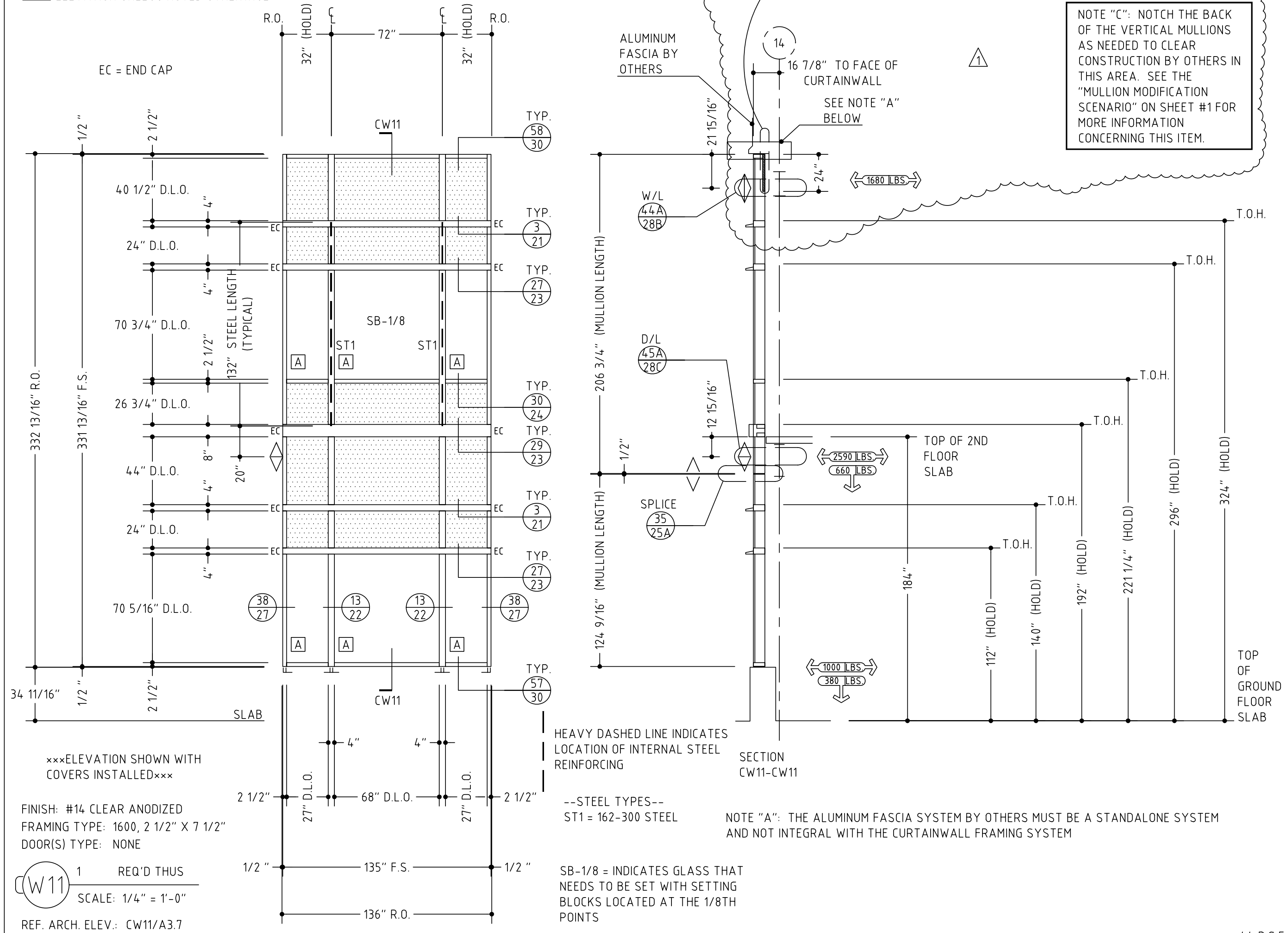
REPLACEMENT OF  
VINCENT SCIENCE  
BUILDING,  
SLIPPERY ROCK  
UNIVERSITY,  
PENNSYLVANIA  
SHEET #:

16

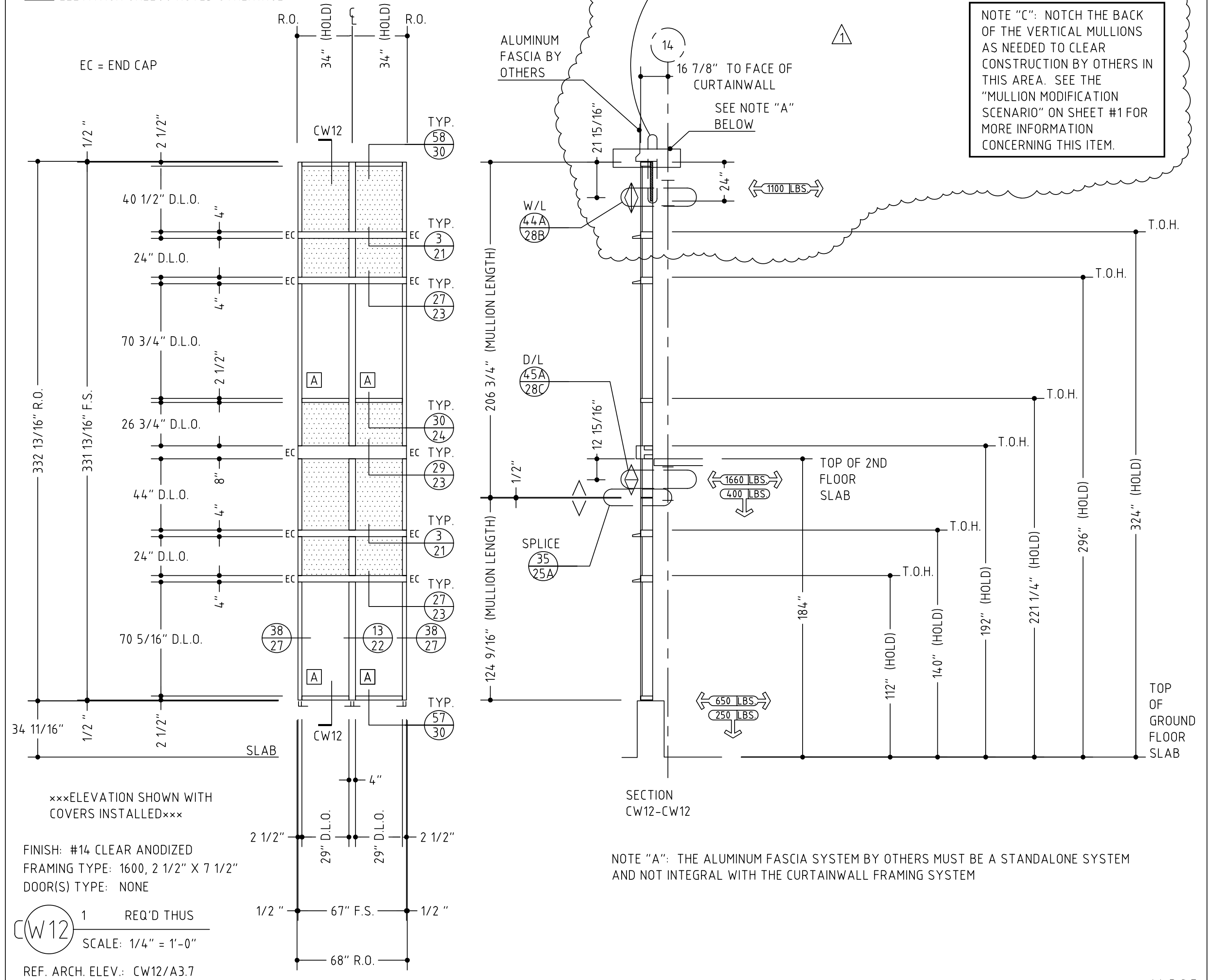




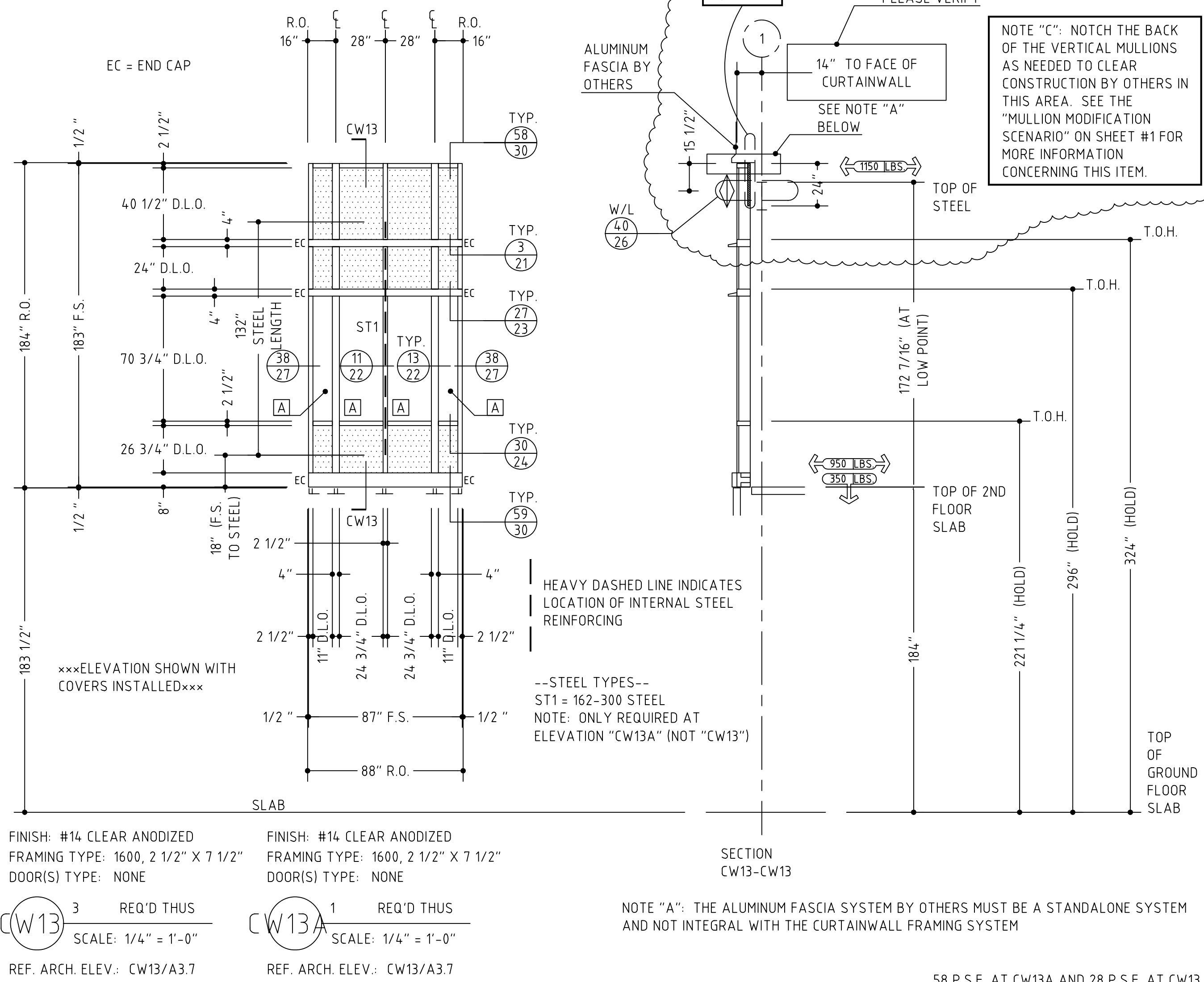
**B** TYPICAL GLASS TYPE AT THIS ELEVATION UNLESS NOTED OTHERWISE



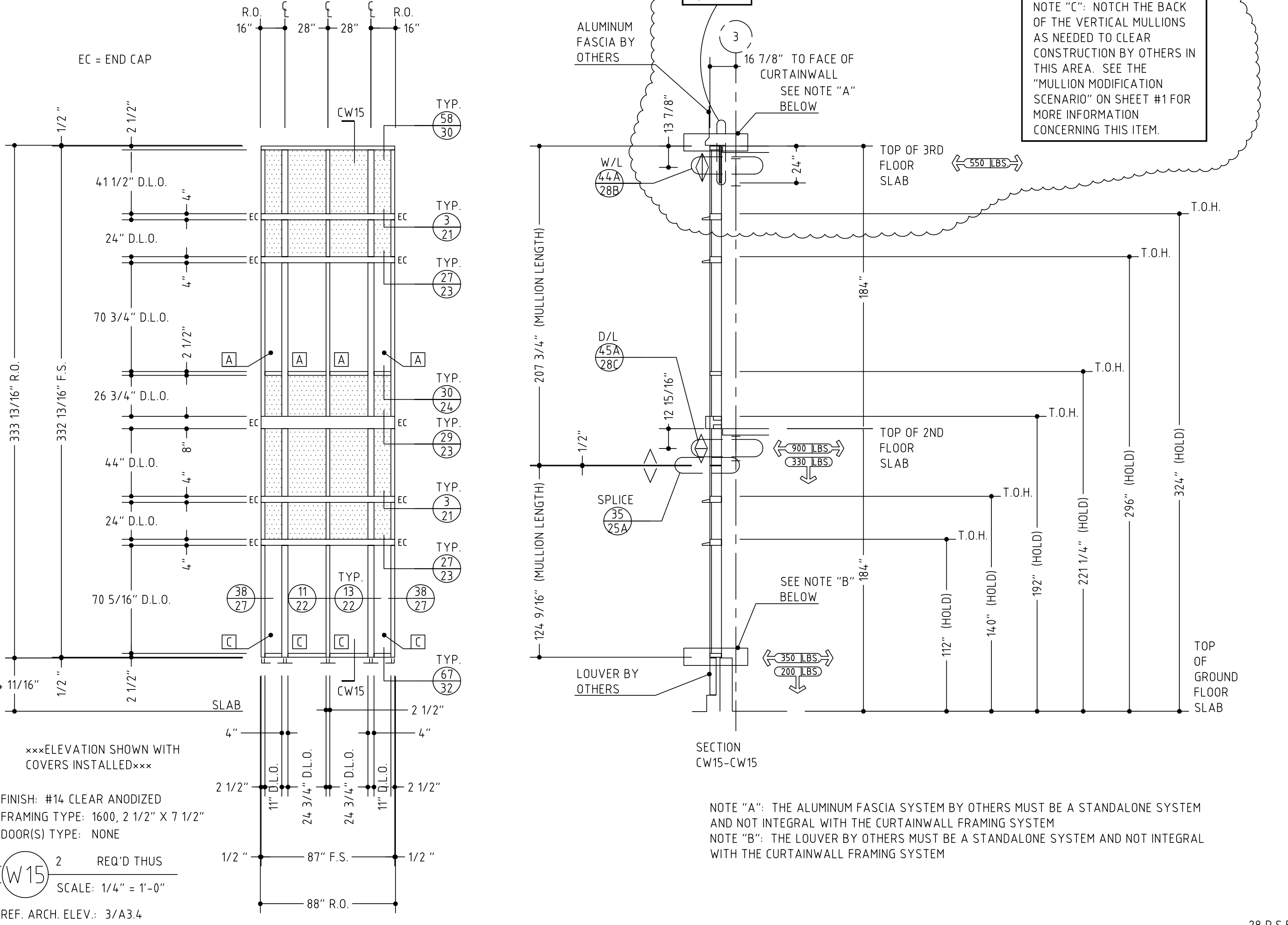
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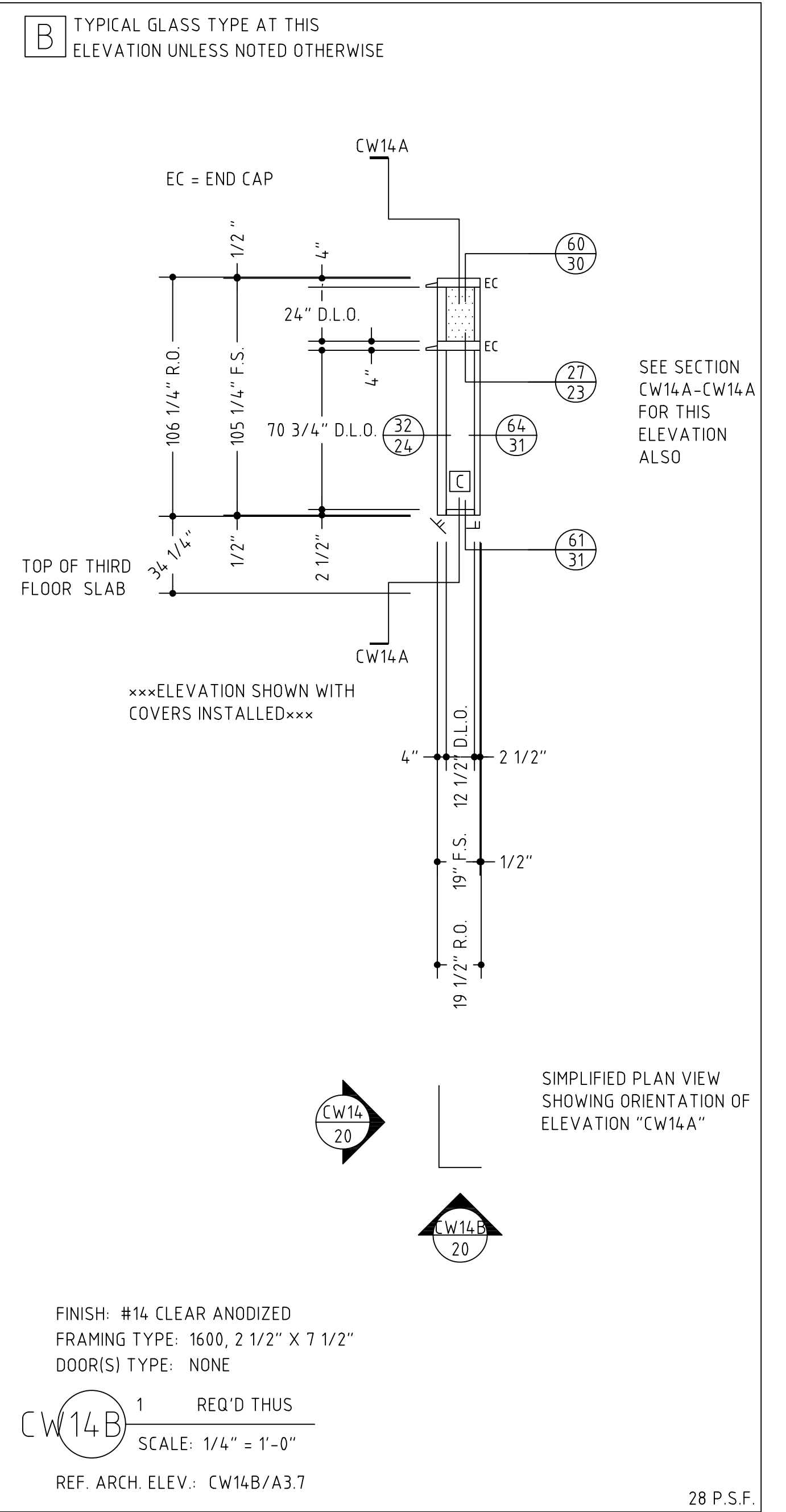
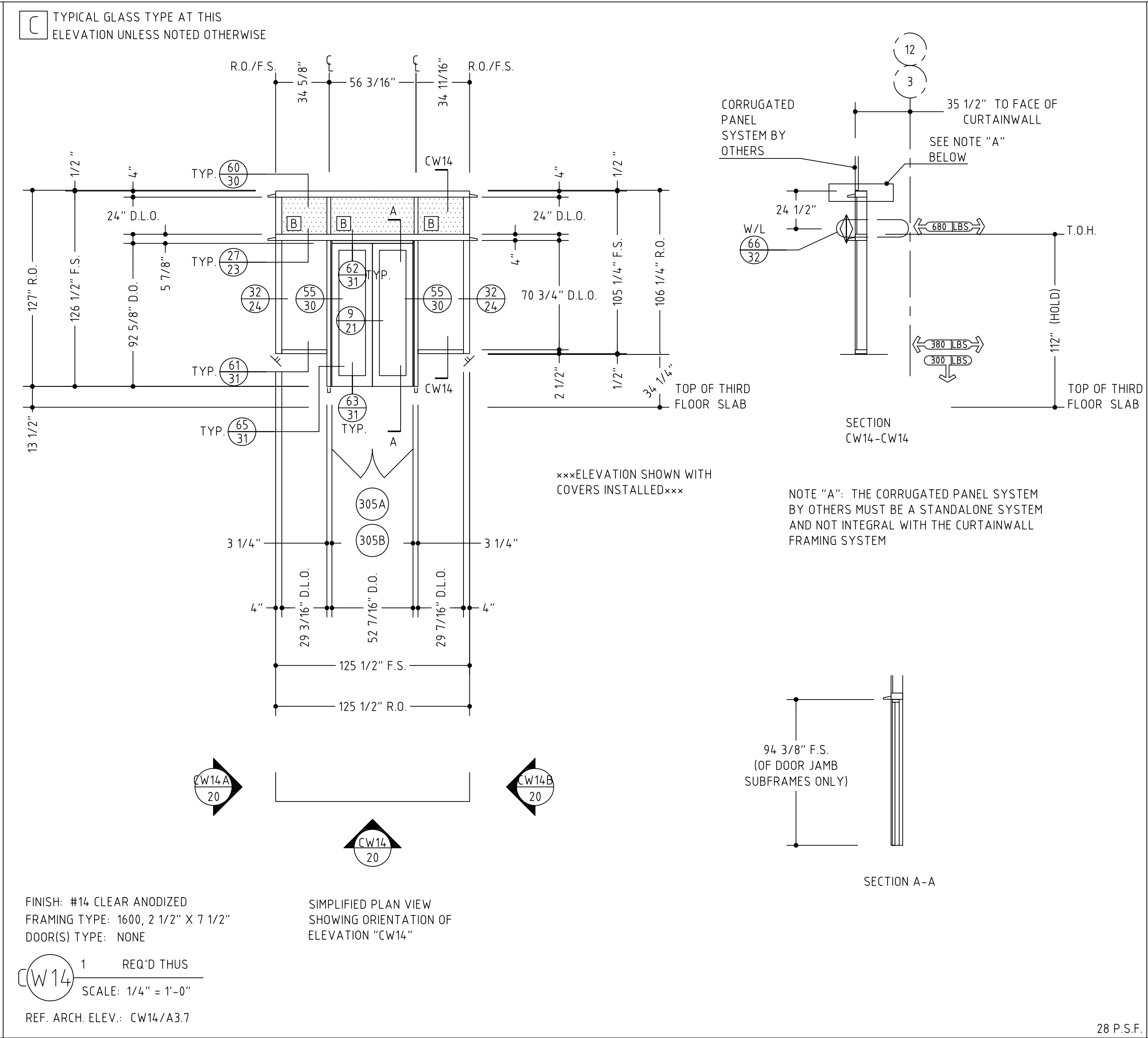
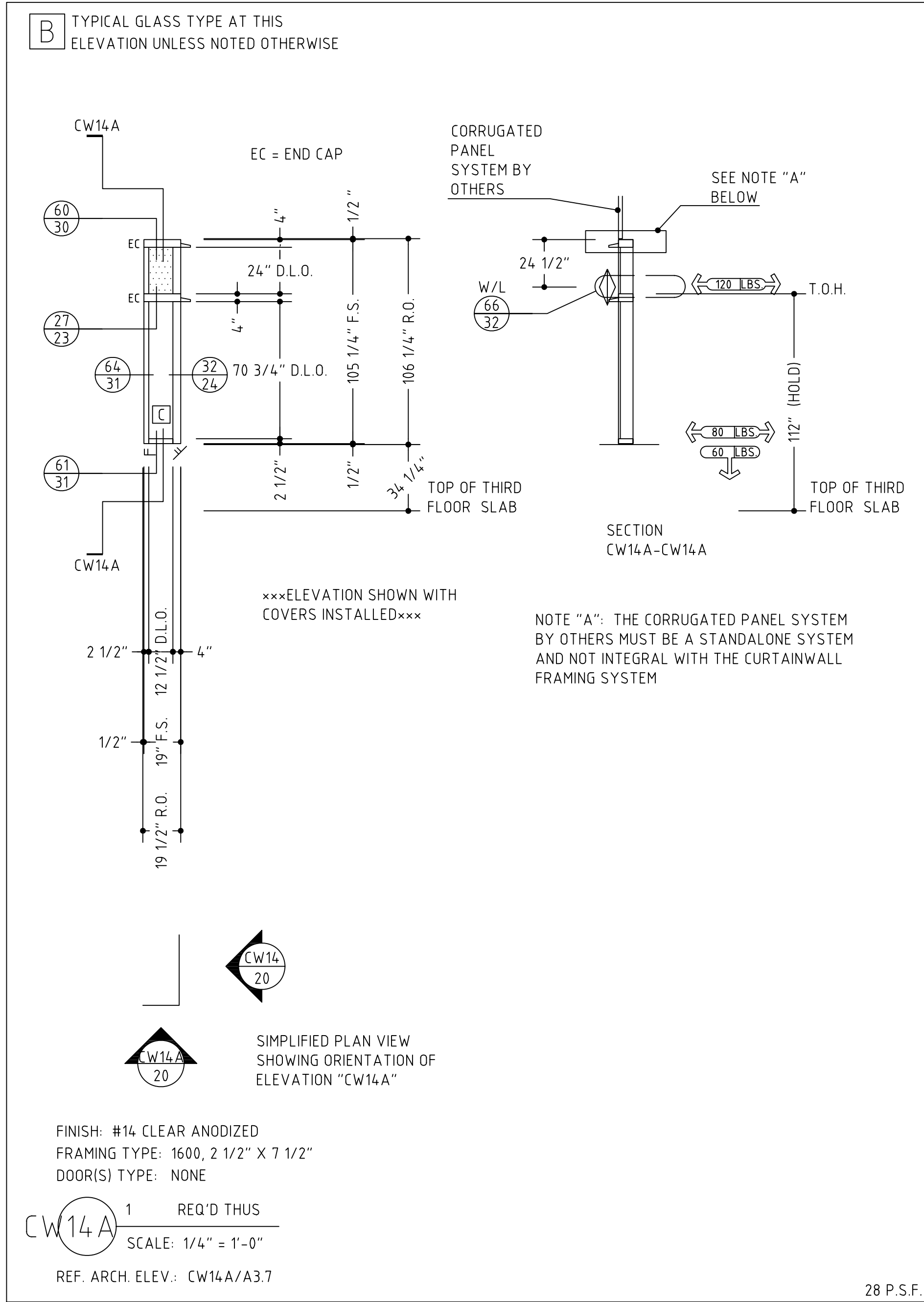


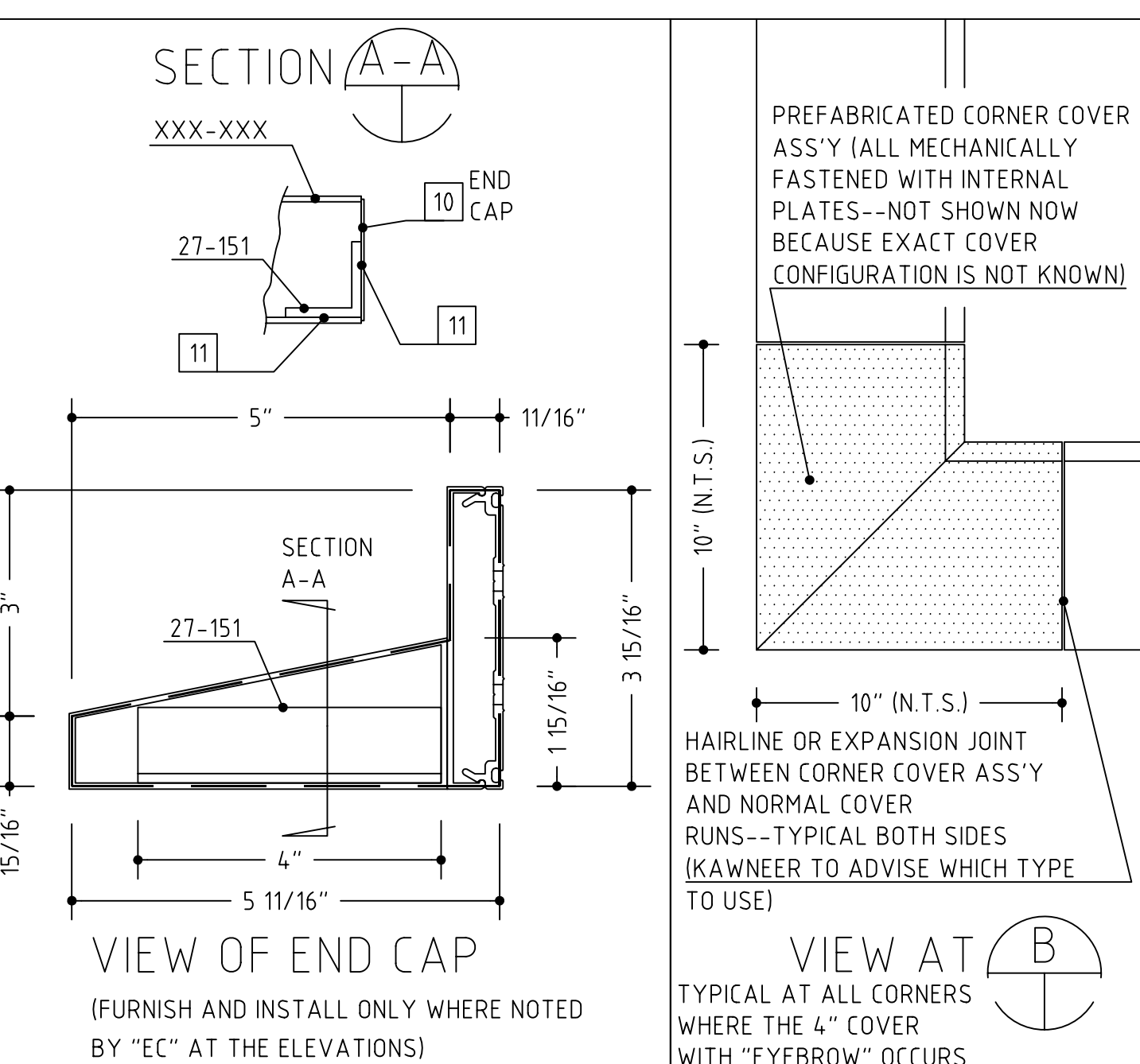
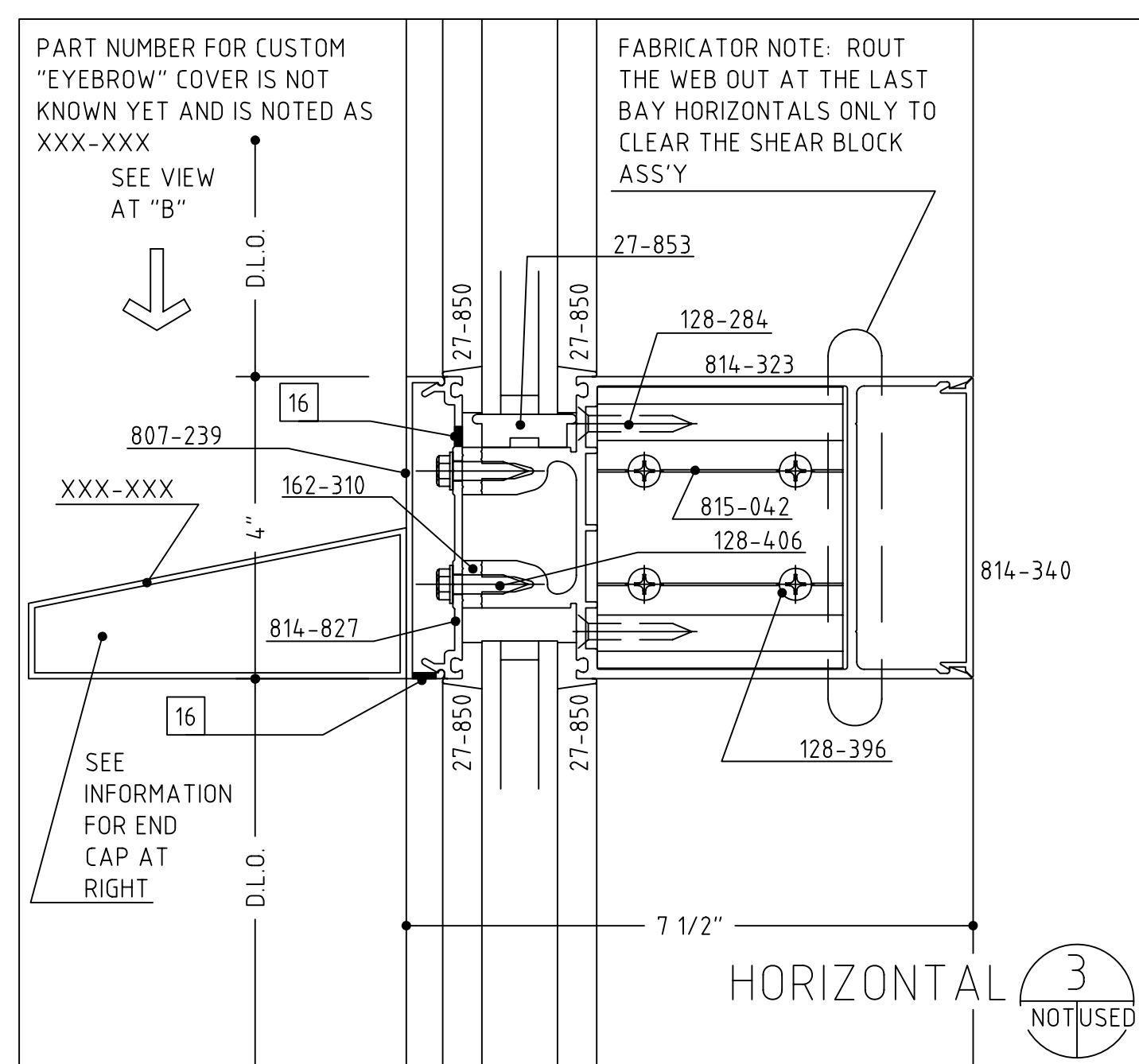
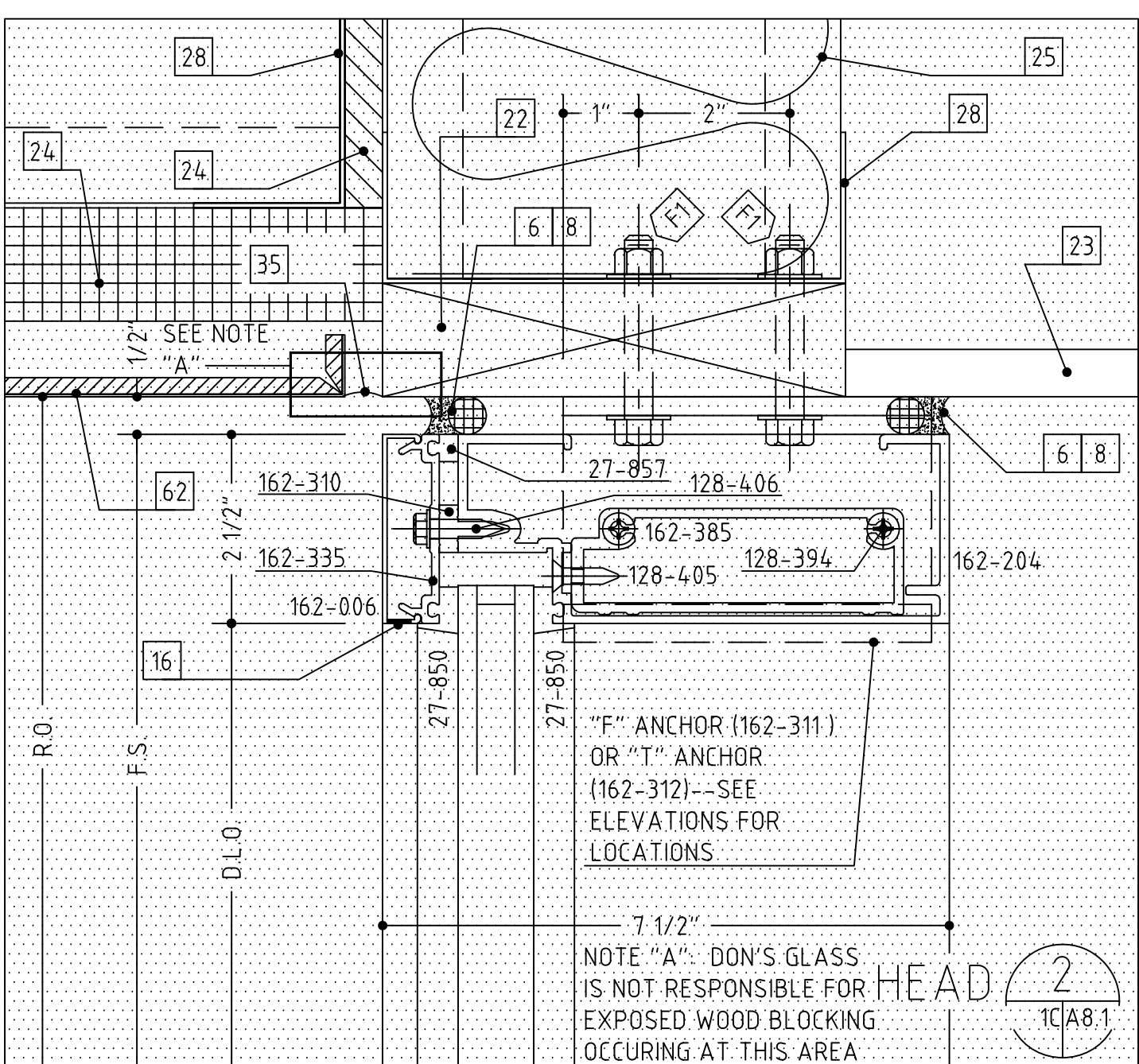
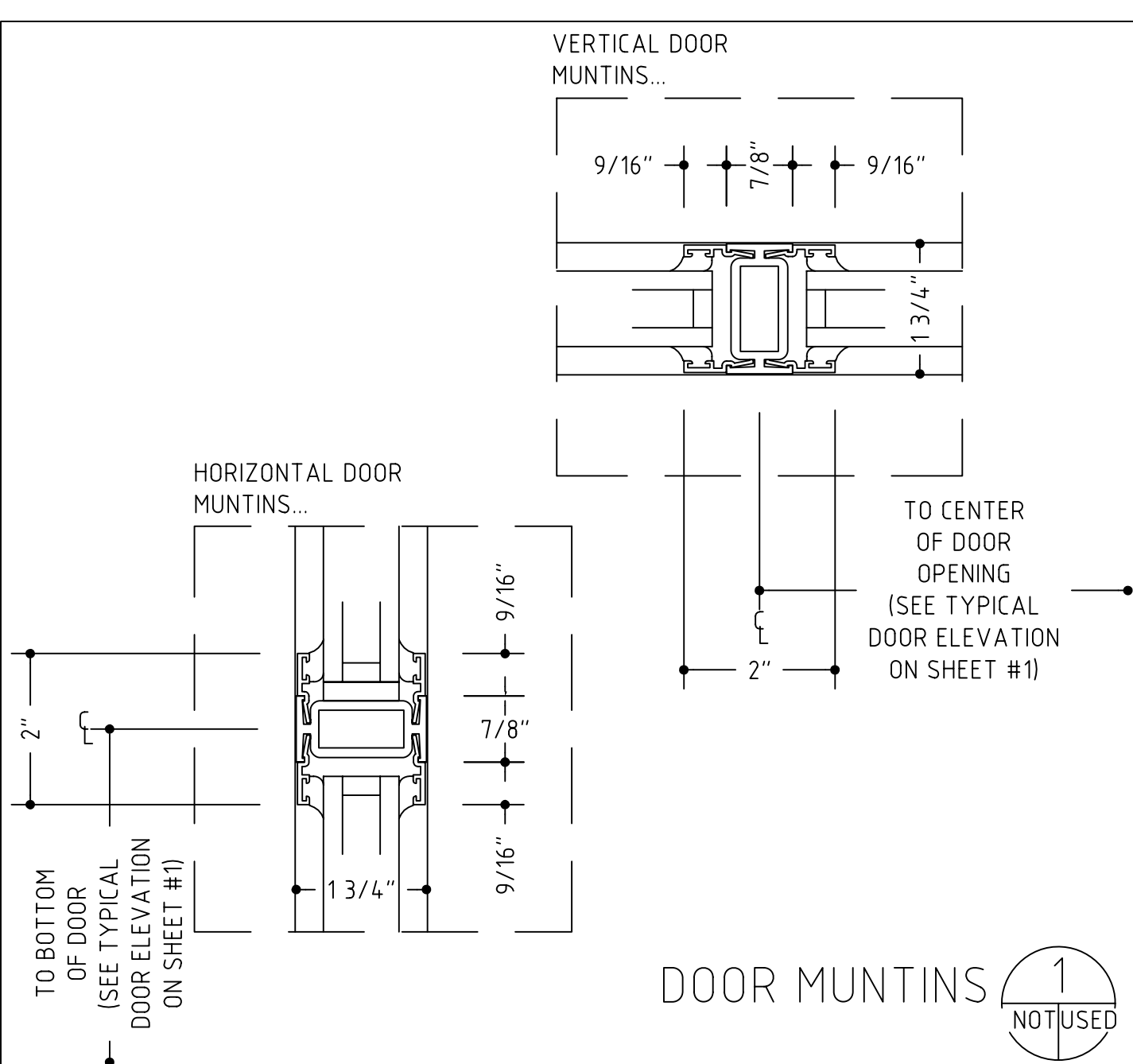
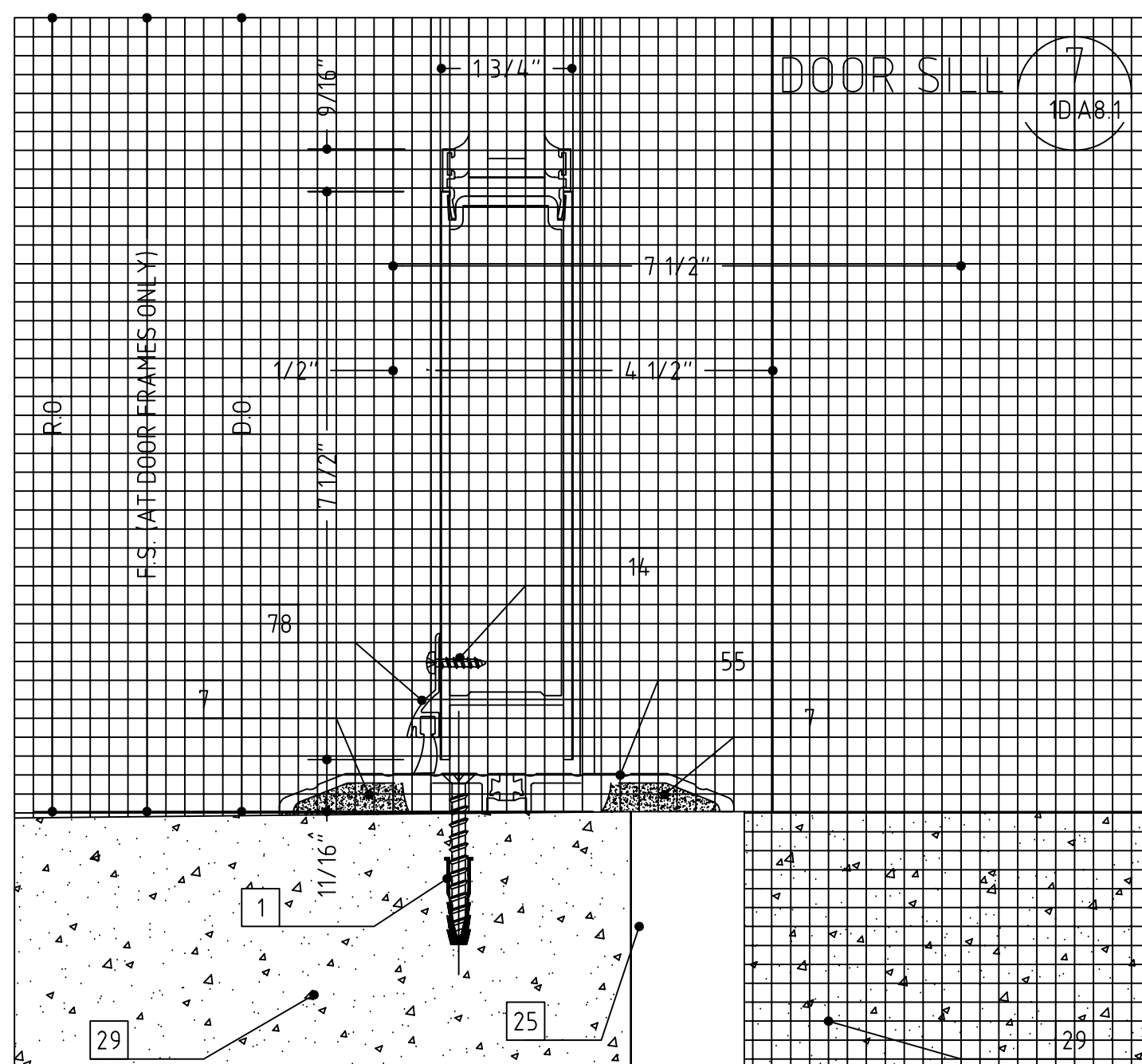
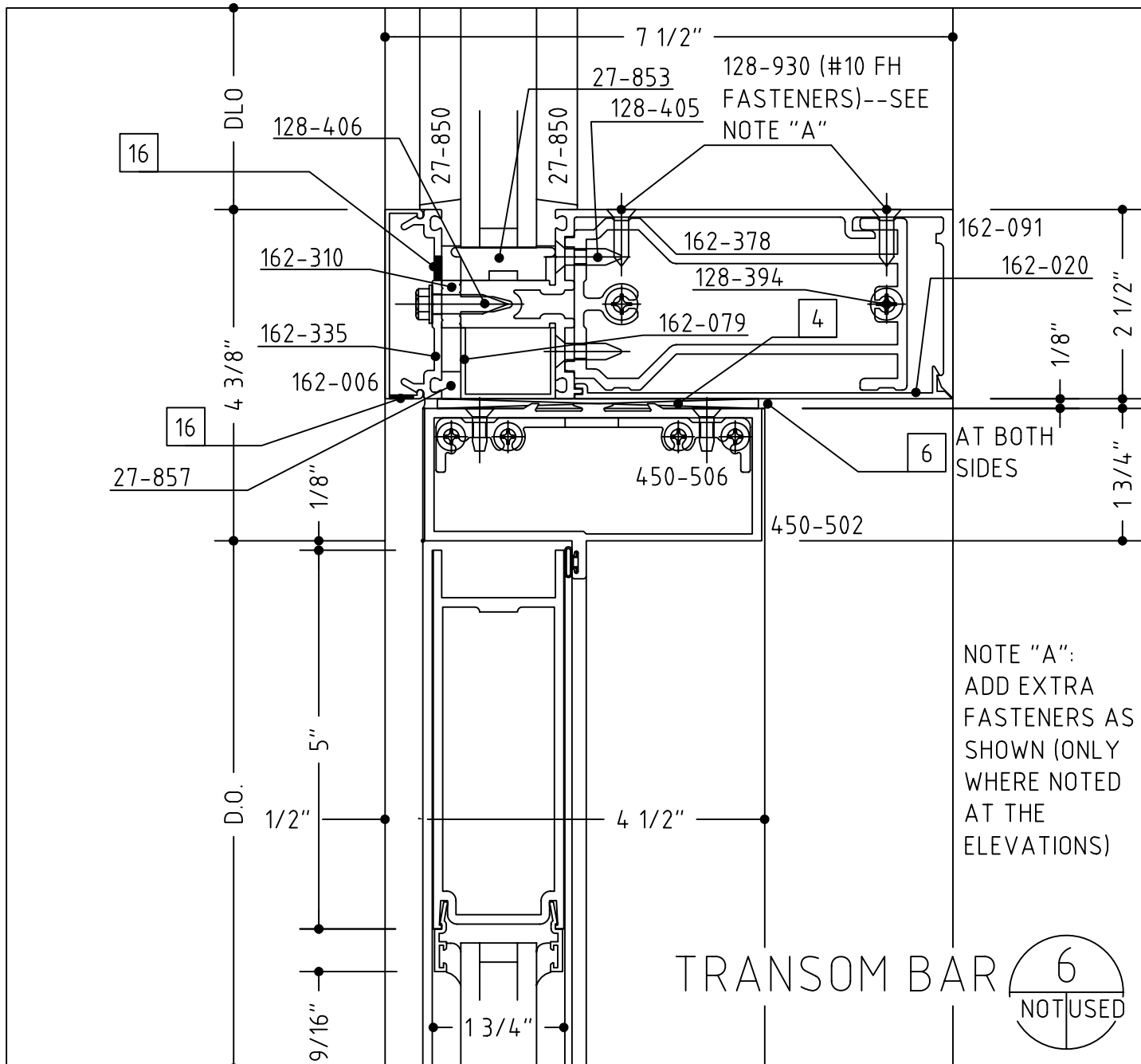
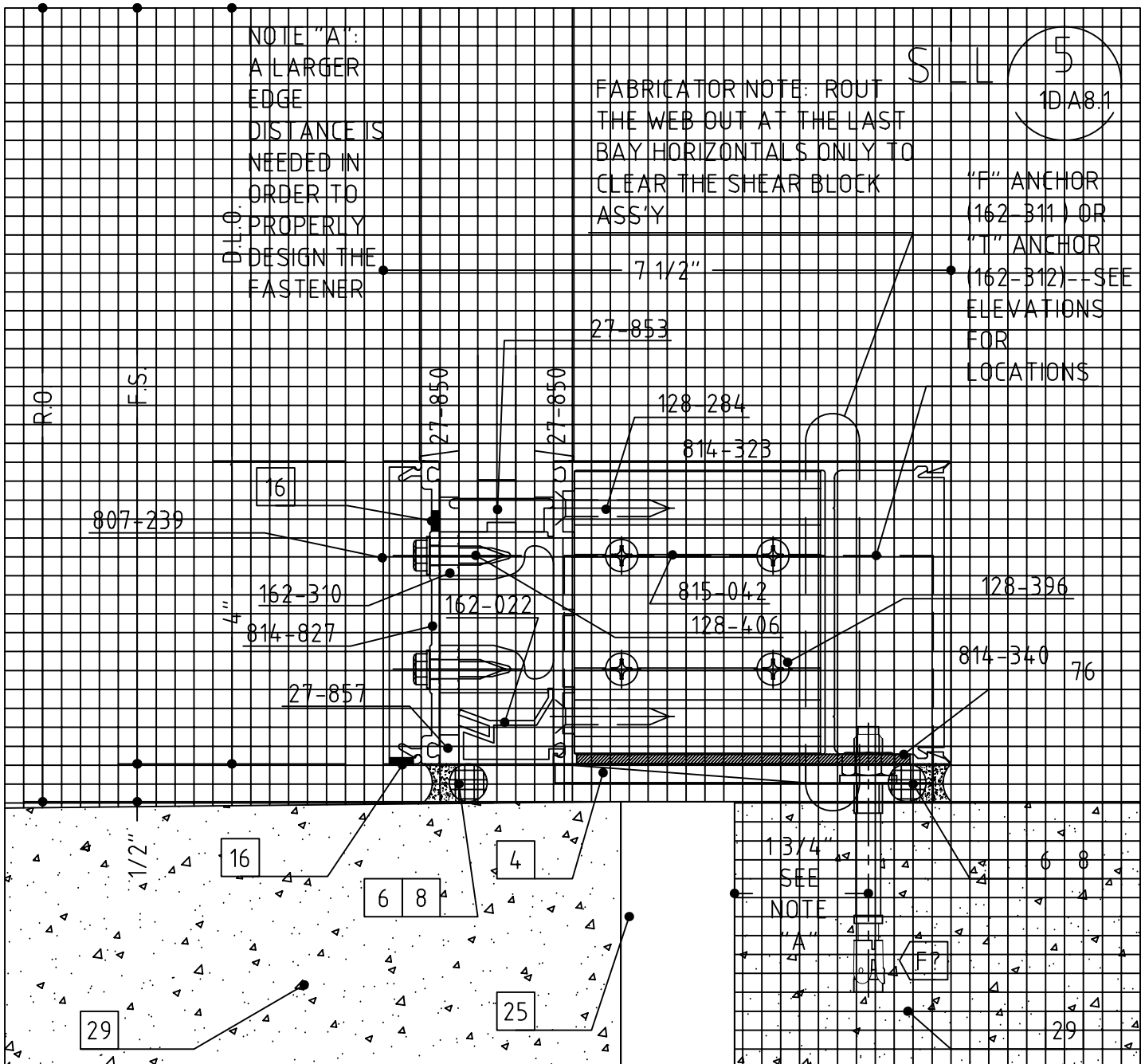
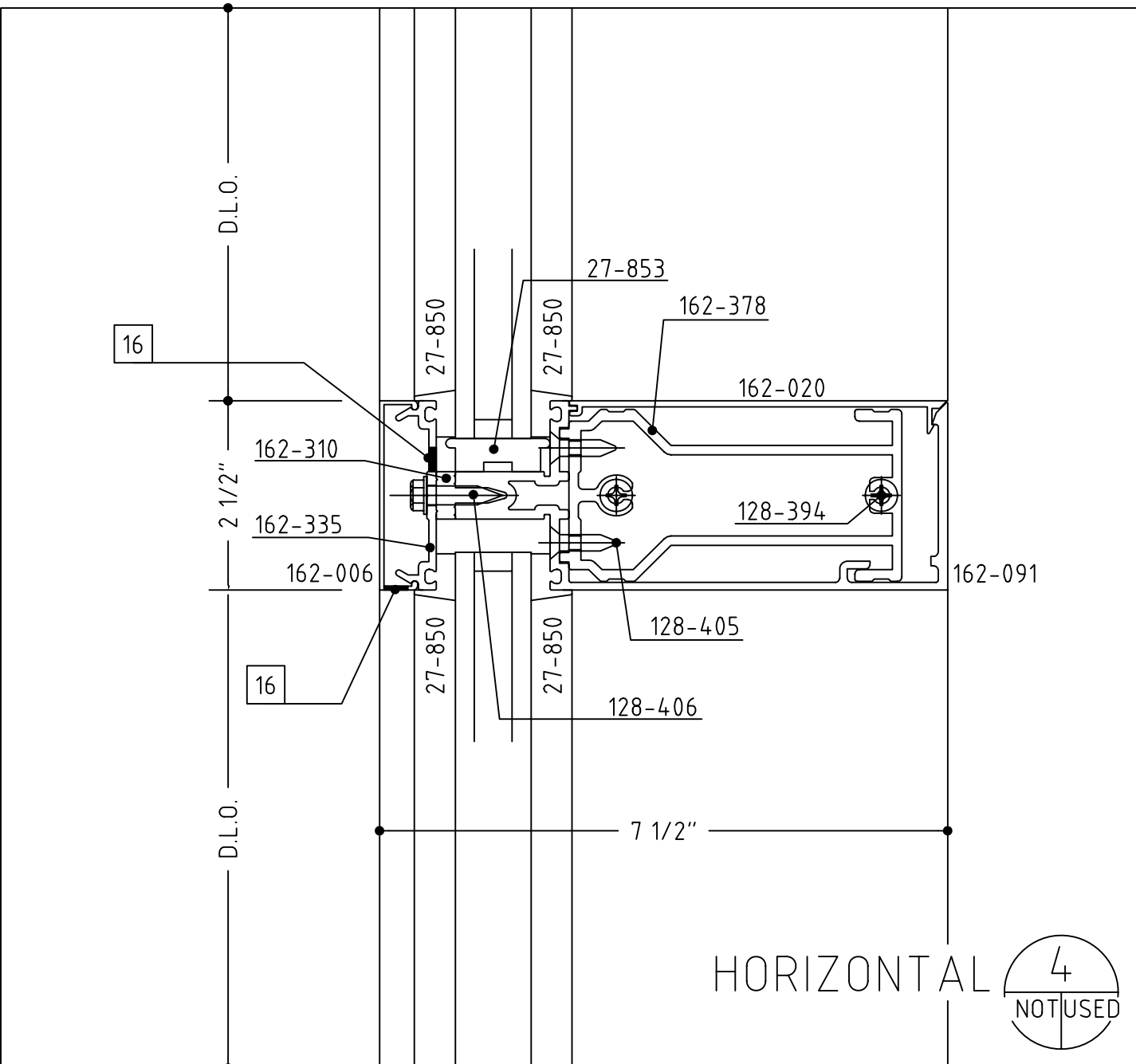
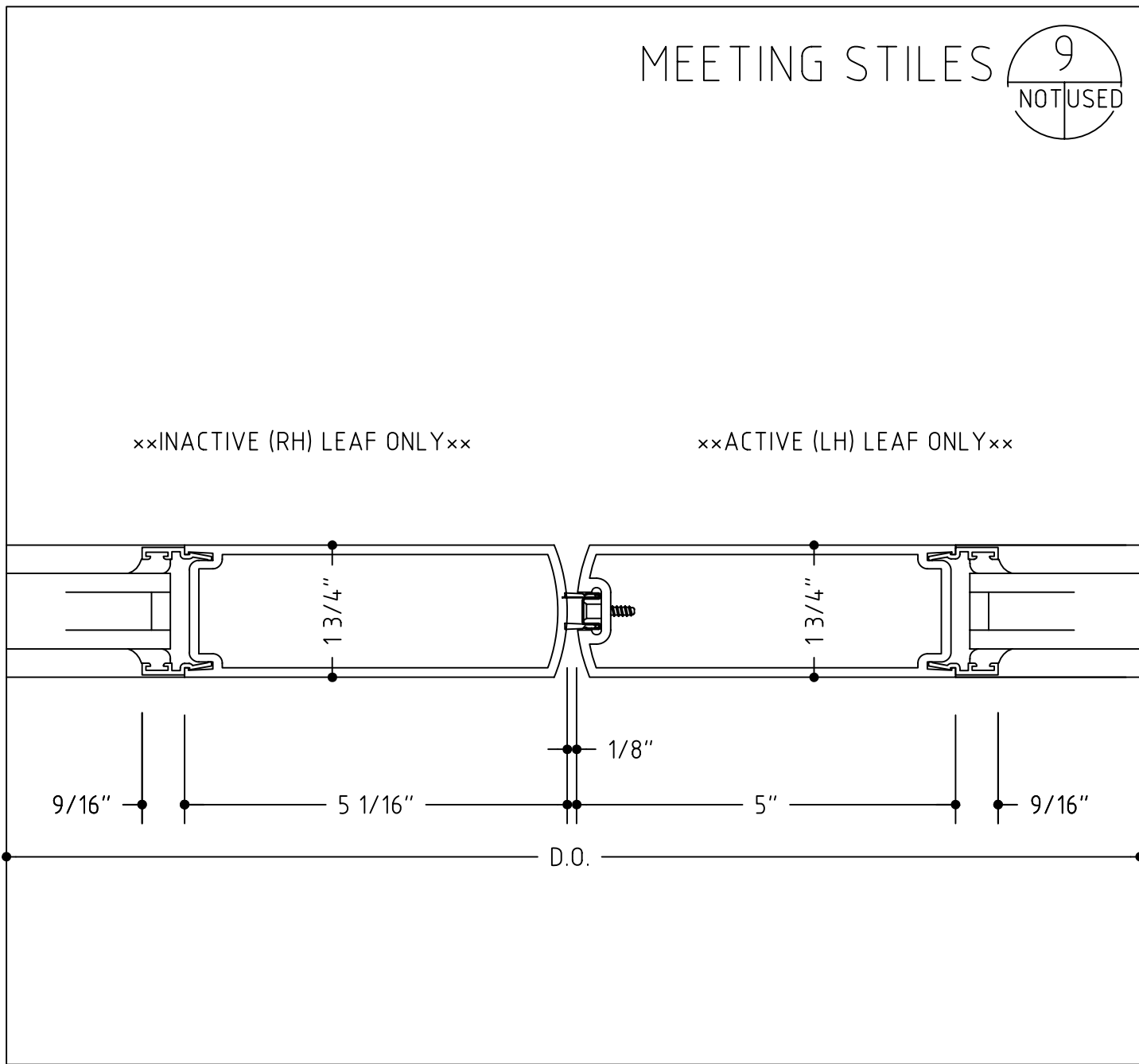
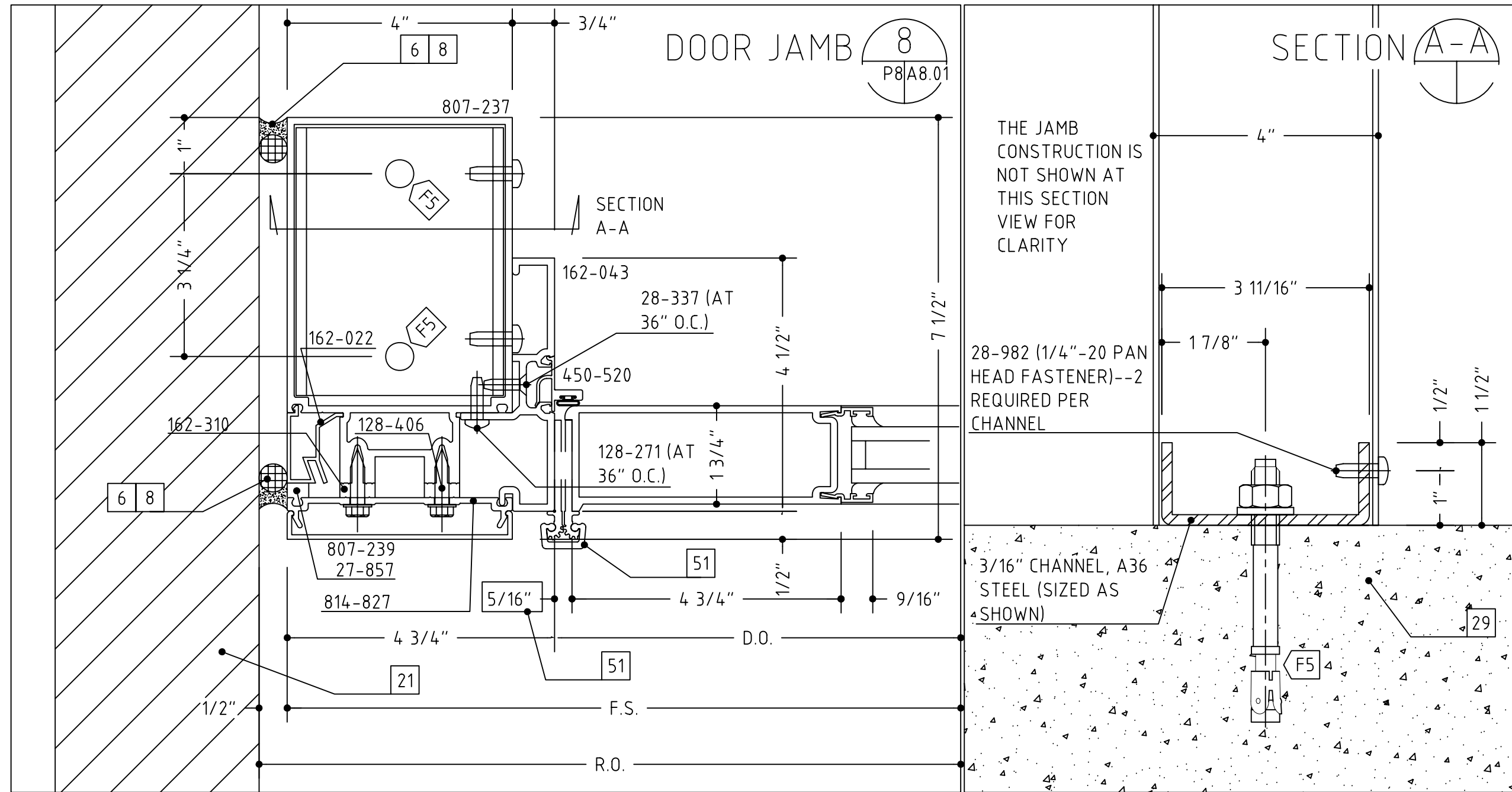
**B** TYPICAL GLASS TYPE AT THIS ELEVATION UNLESS NOTED OTHERWISE



**B** TYPICAL GLASS TYPE AT THIS ELEVATION UNLESS NOTED OTHERWISE



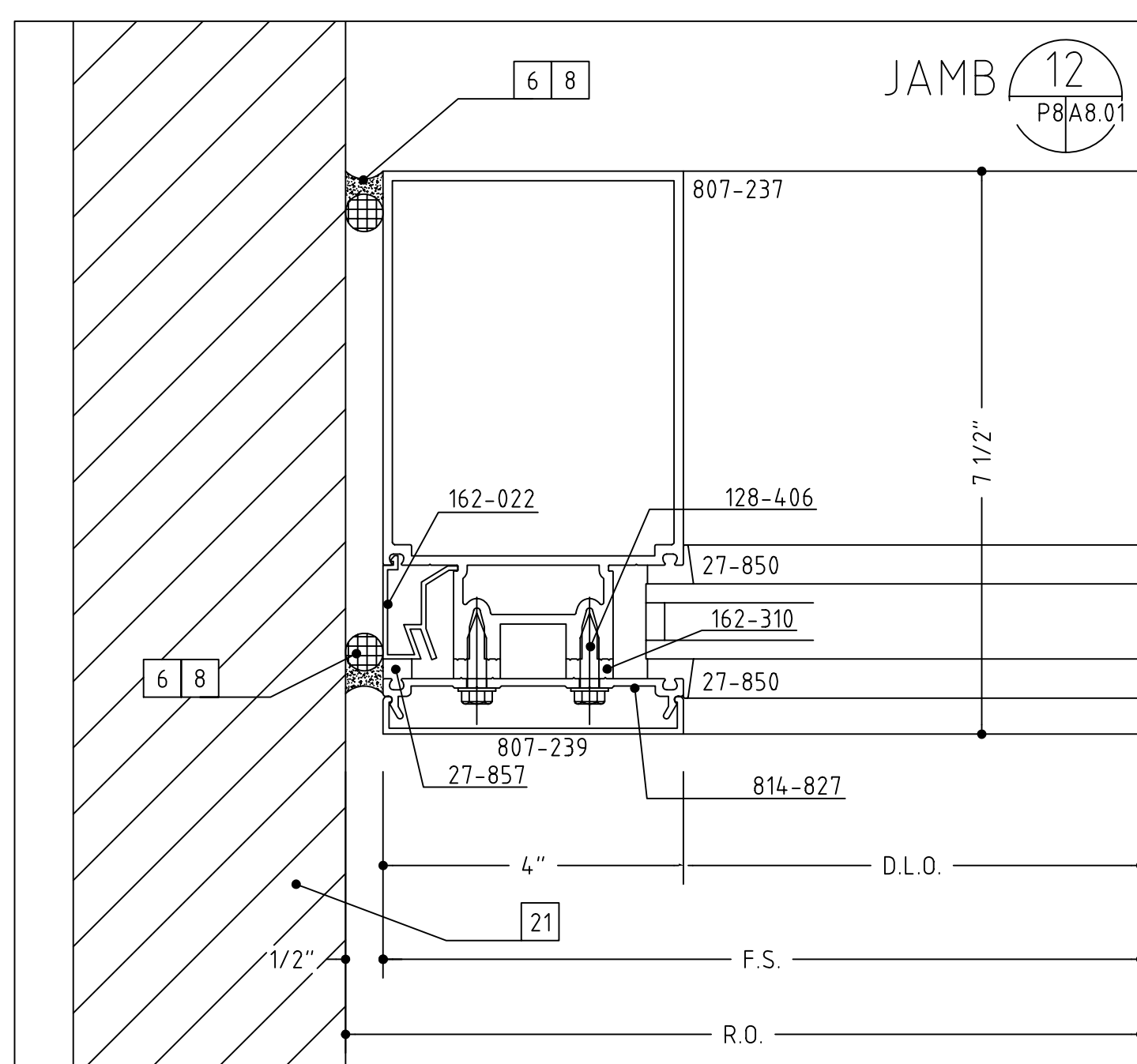
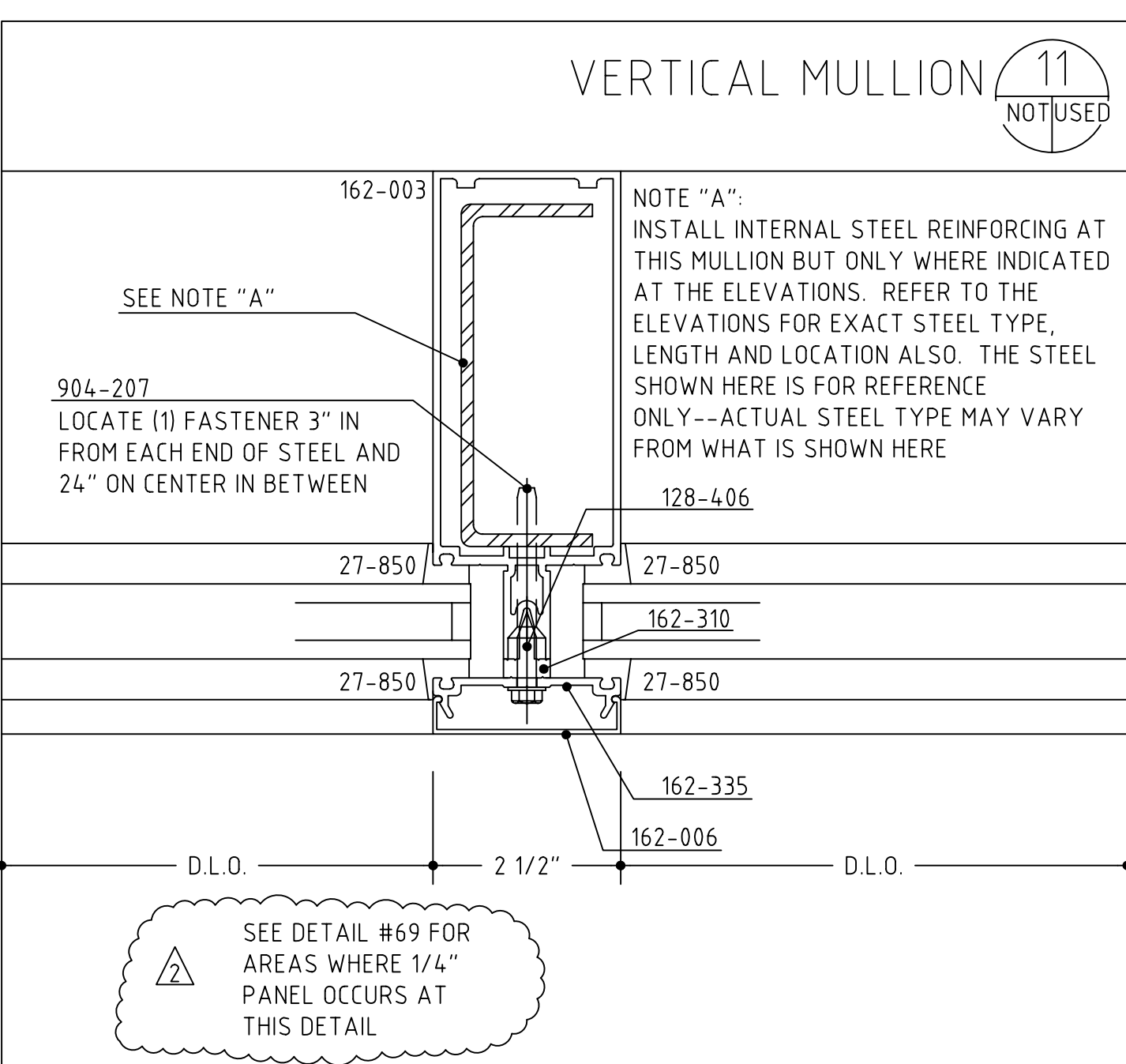
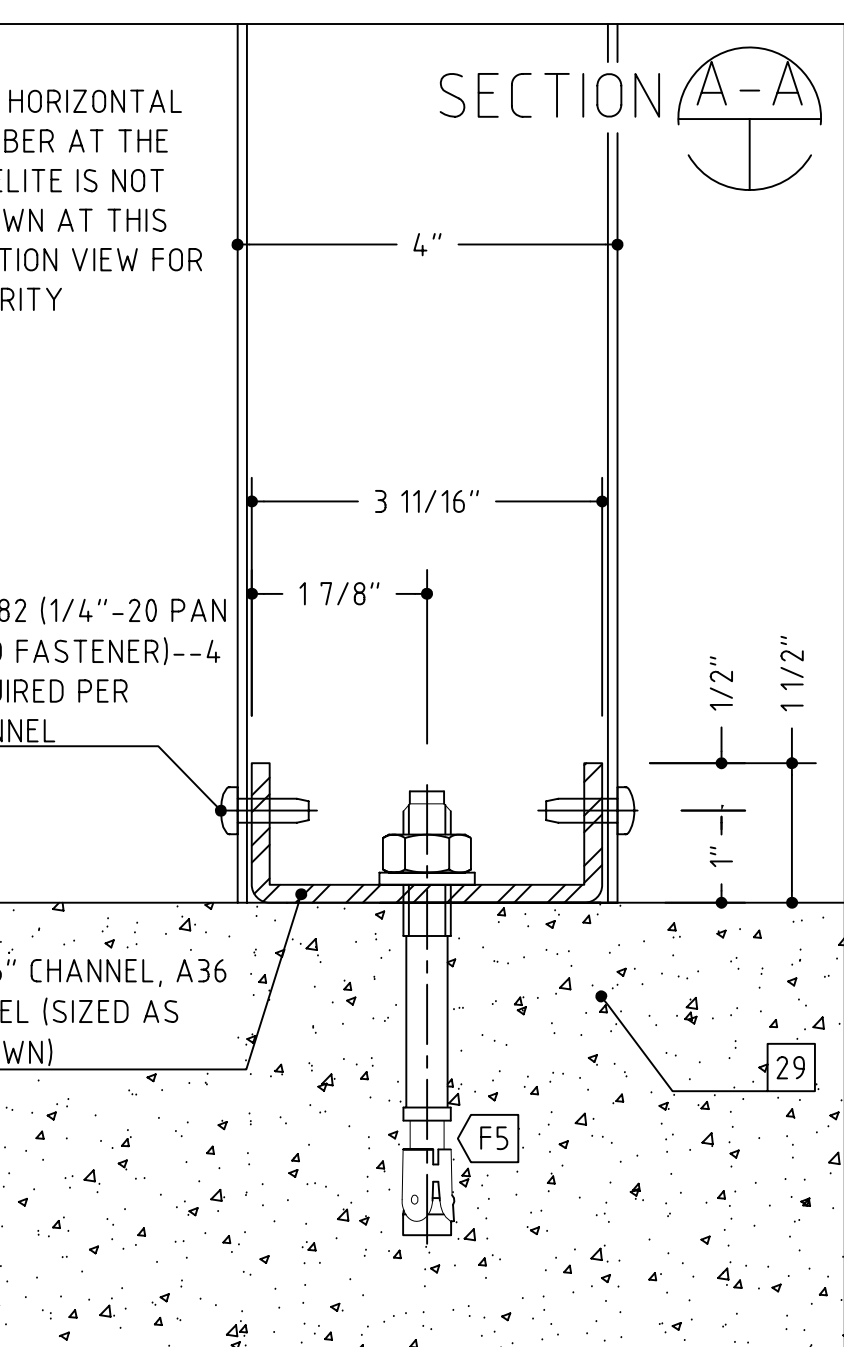
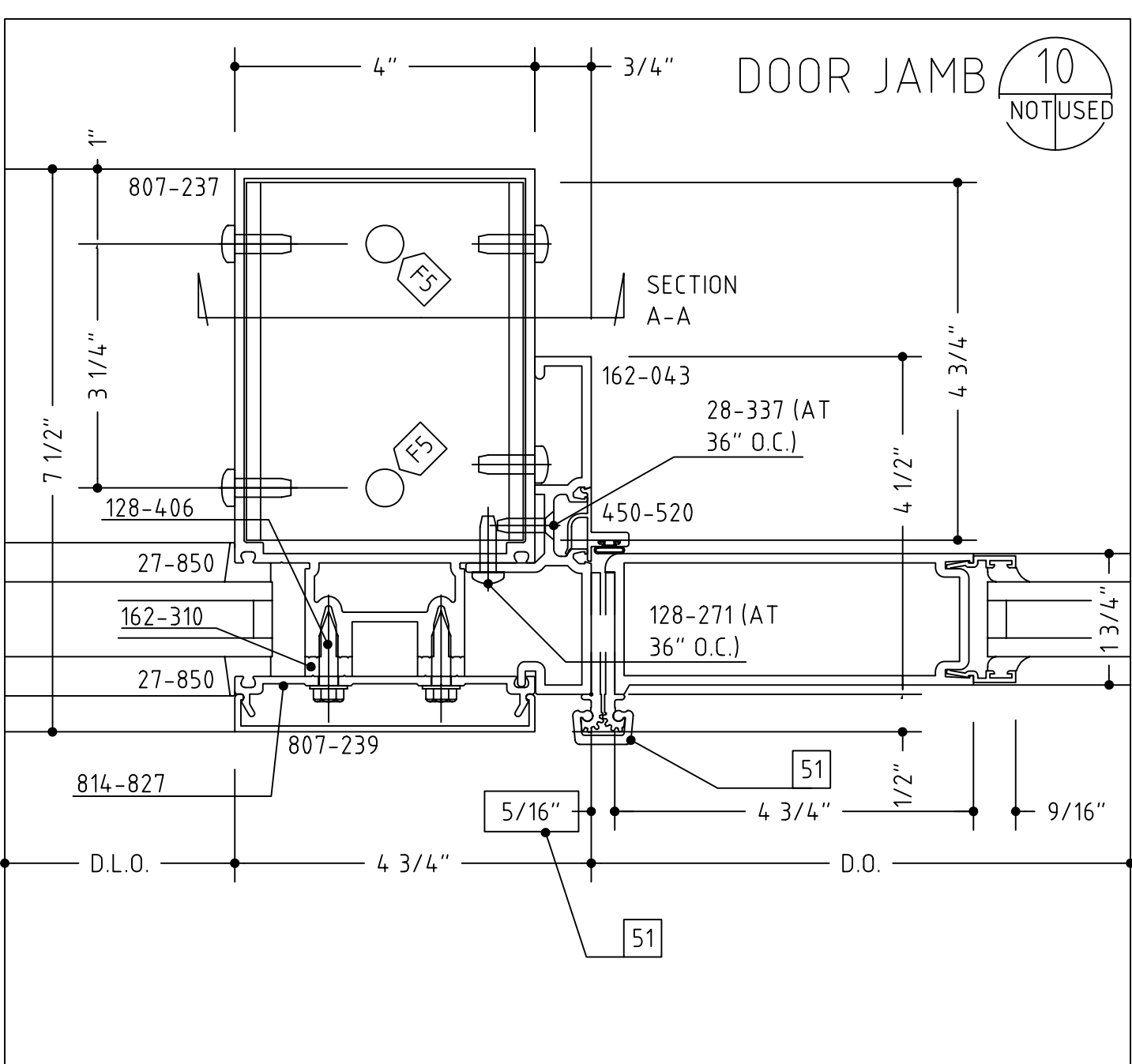
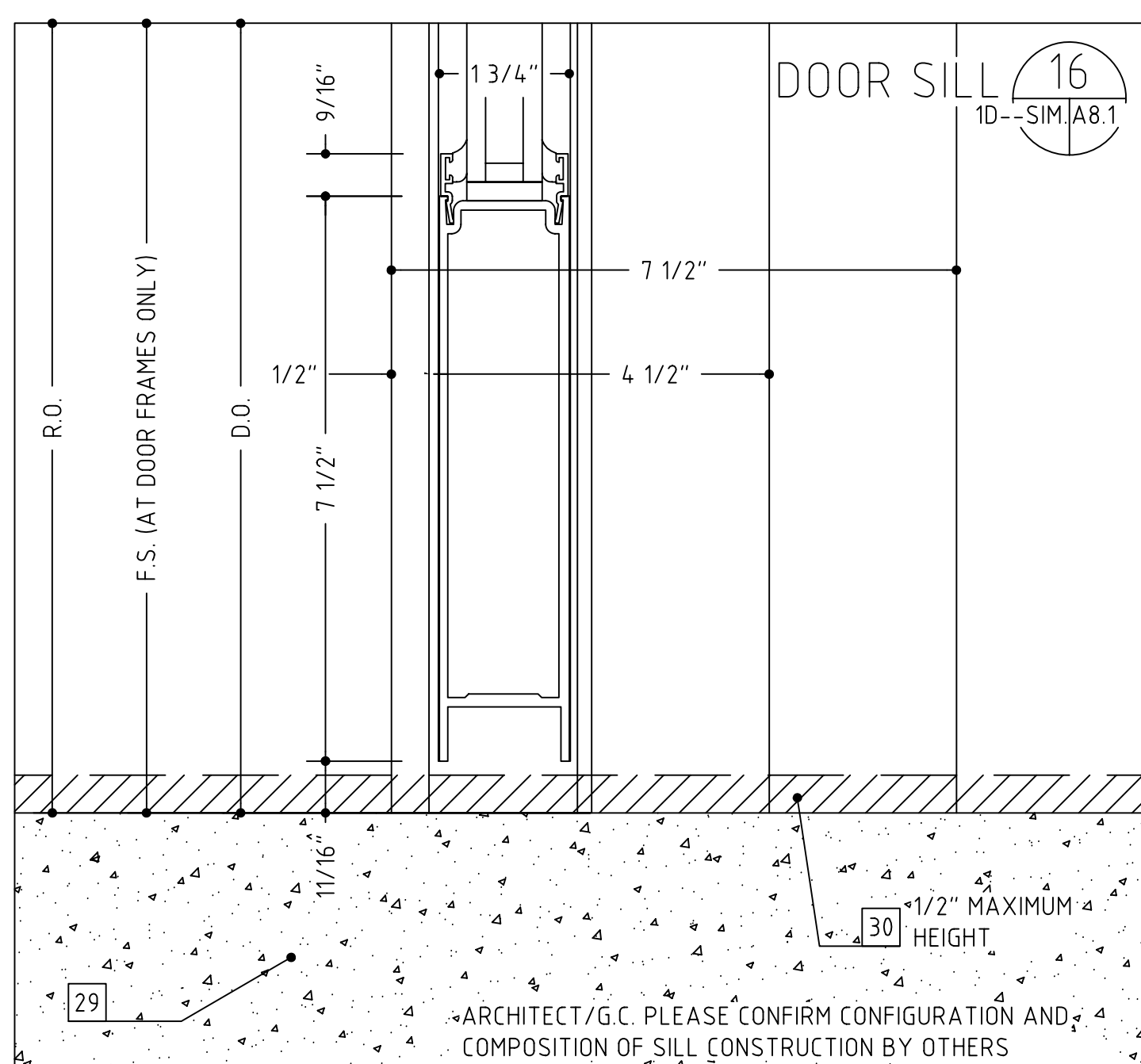
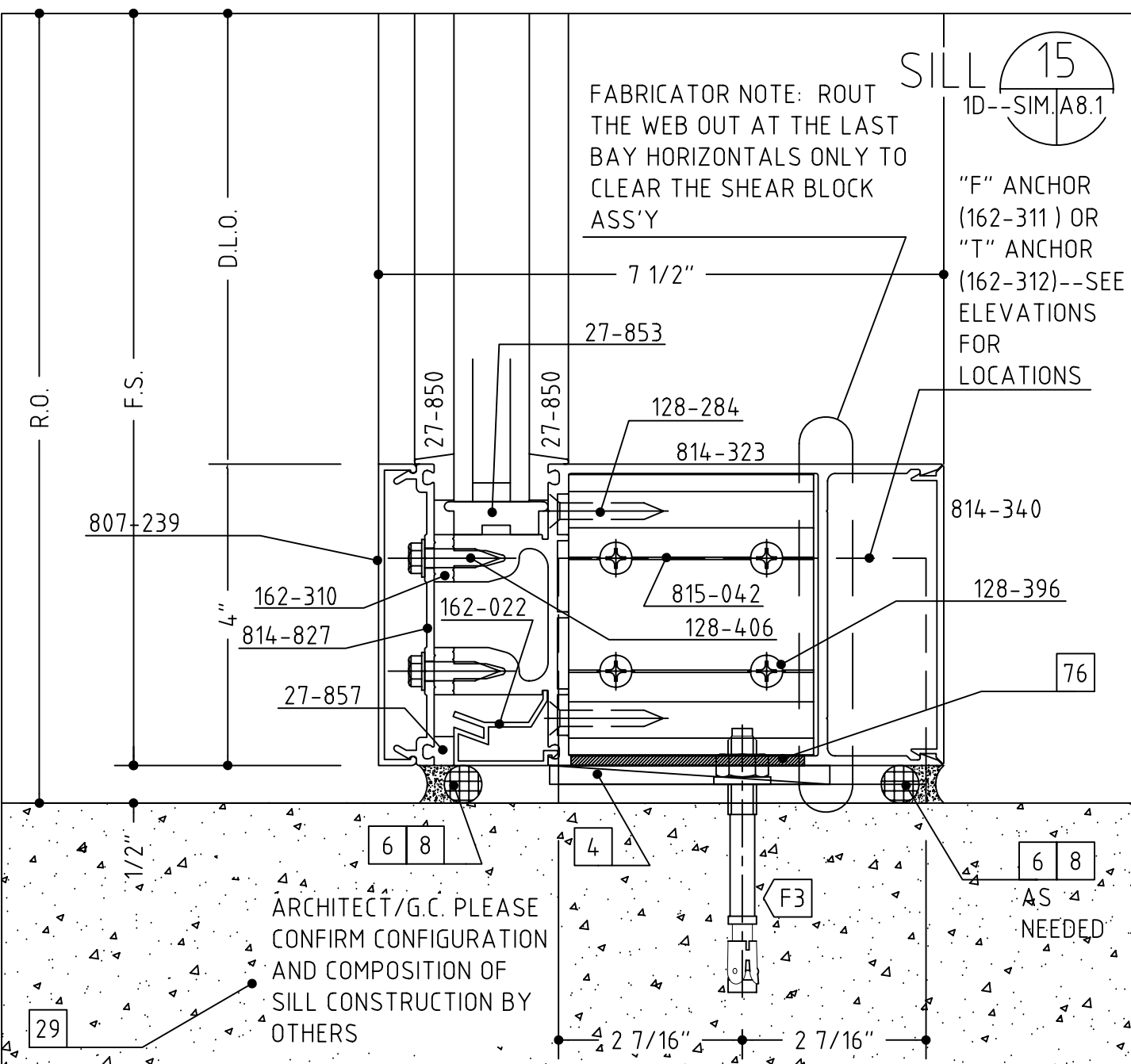
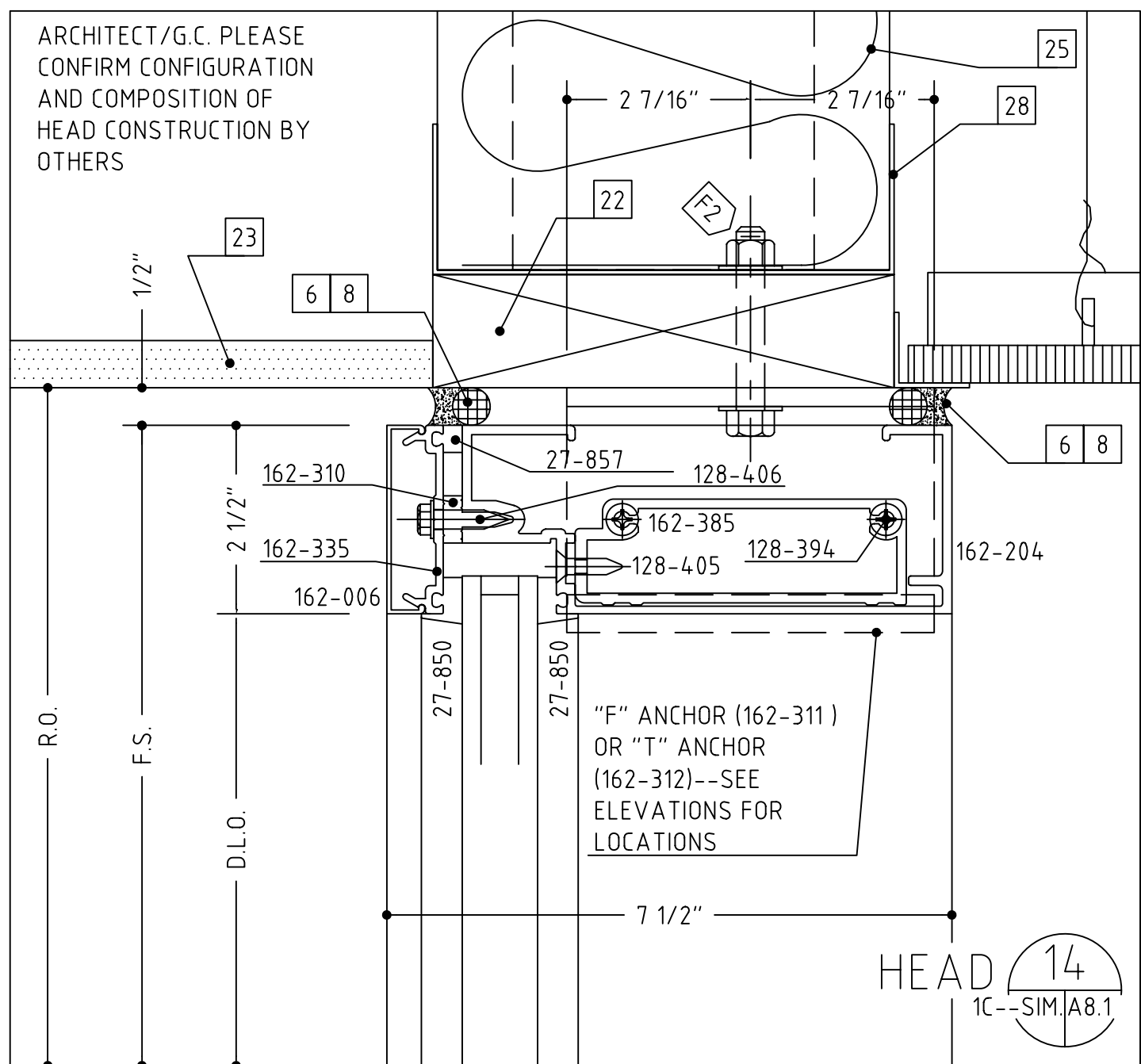
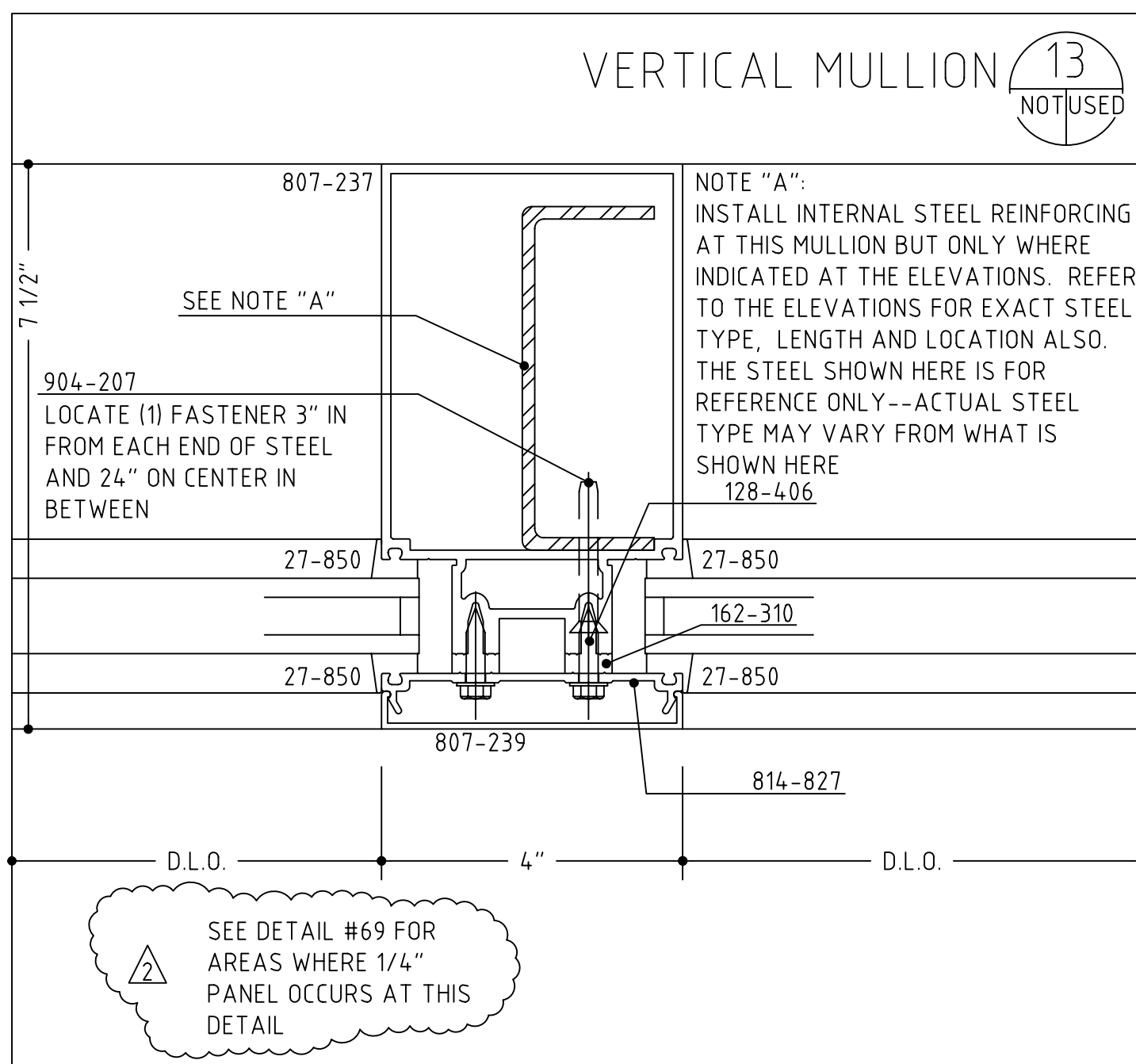
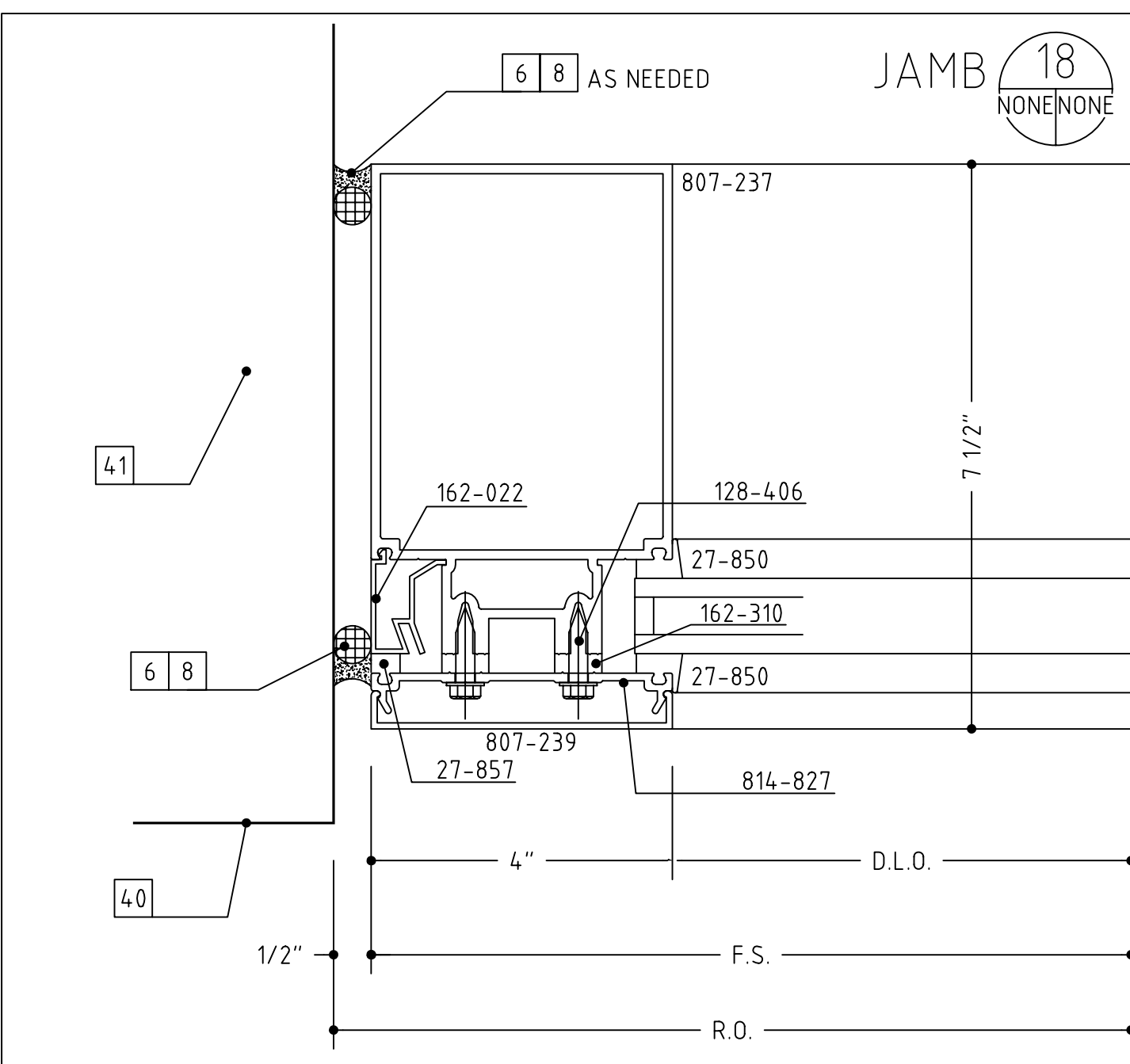




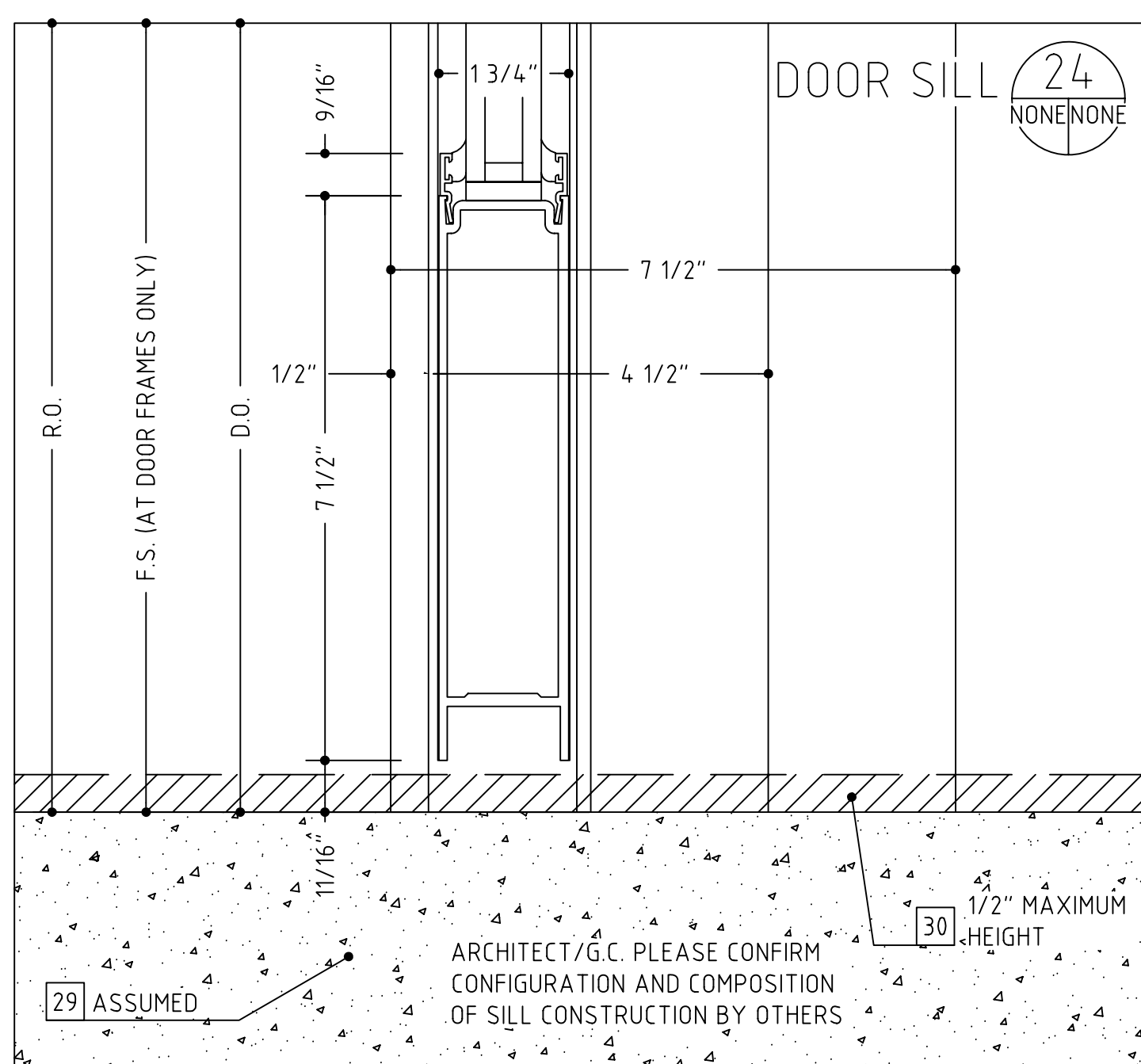
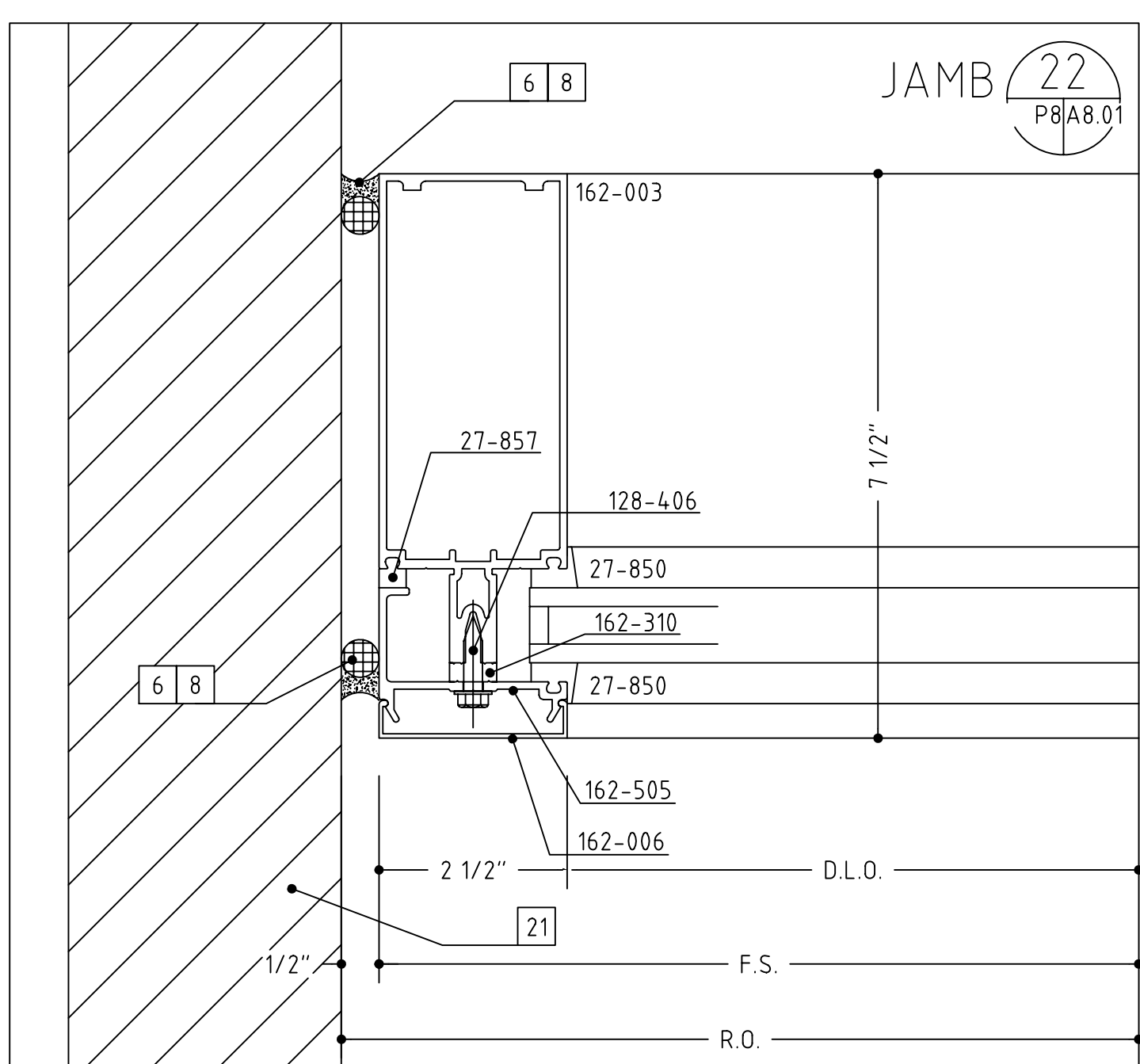
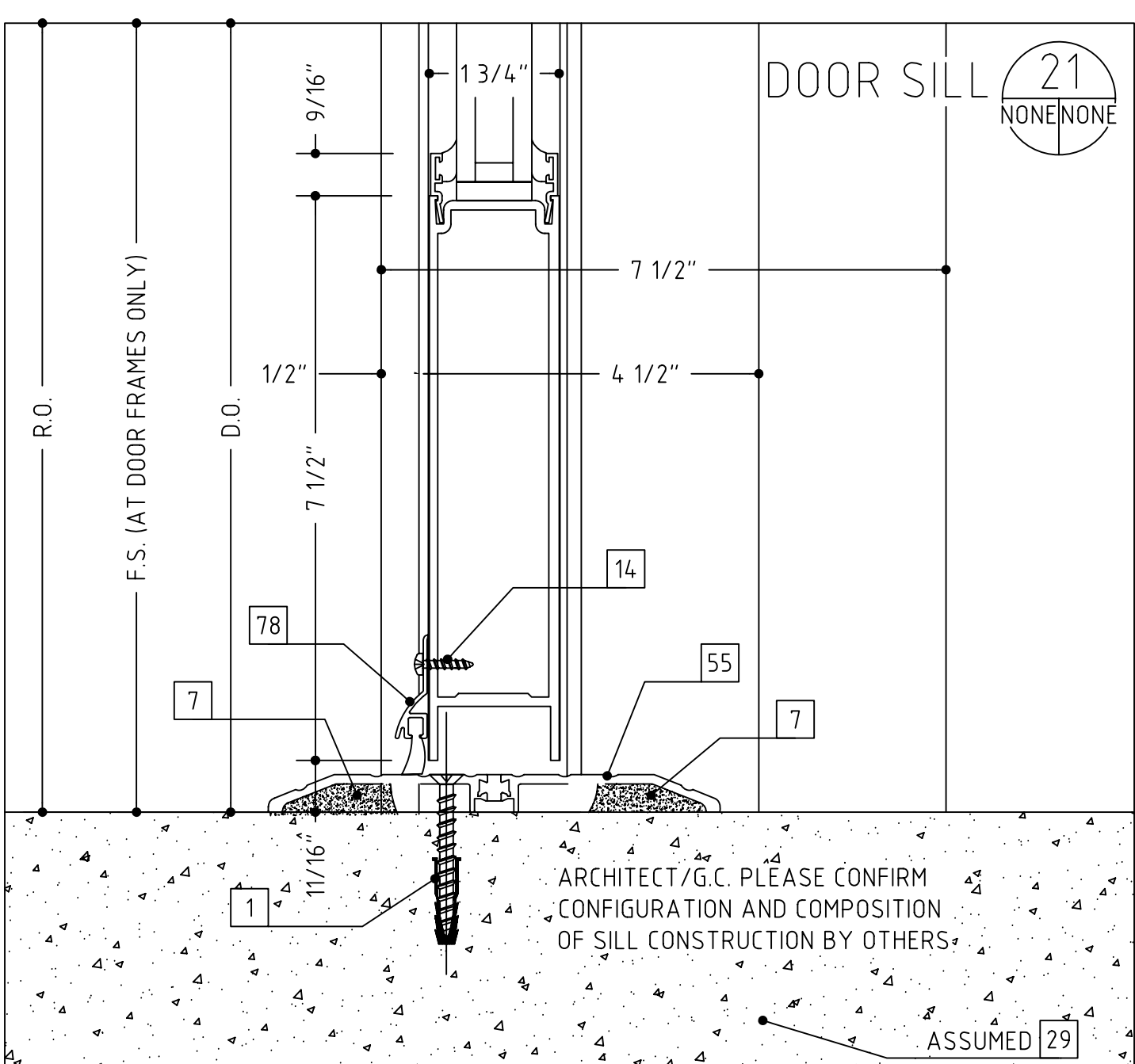
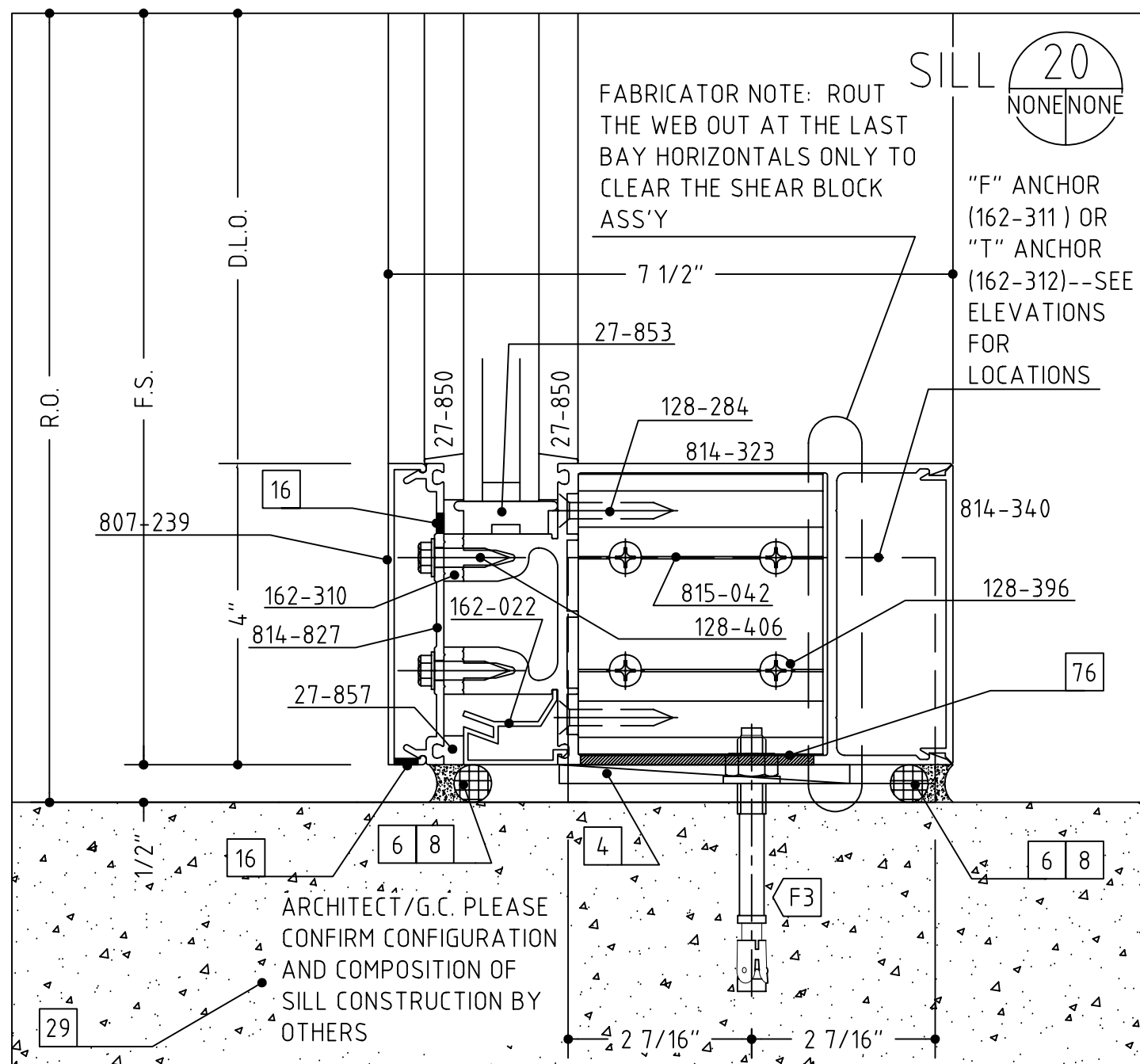
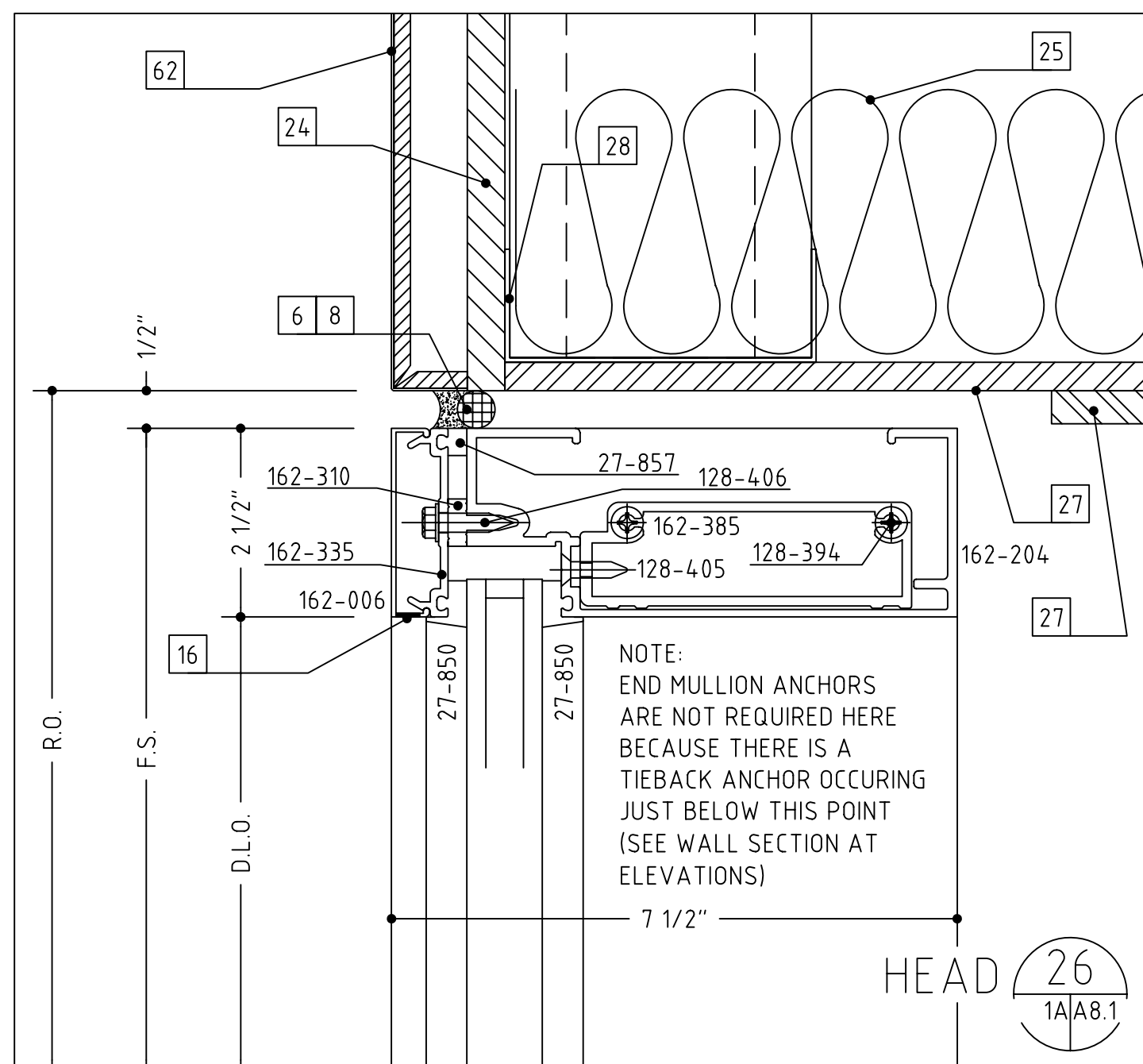
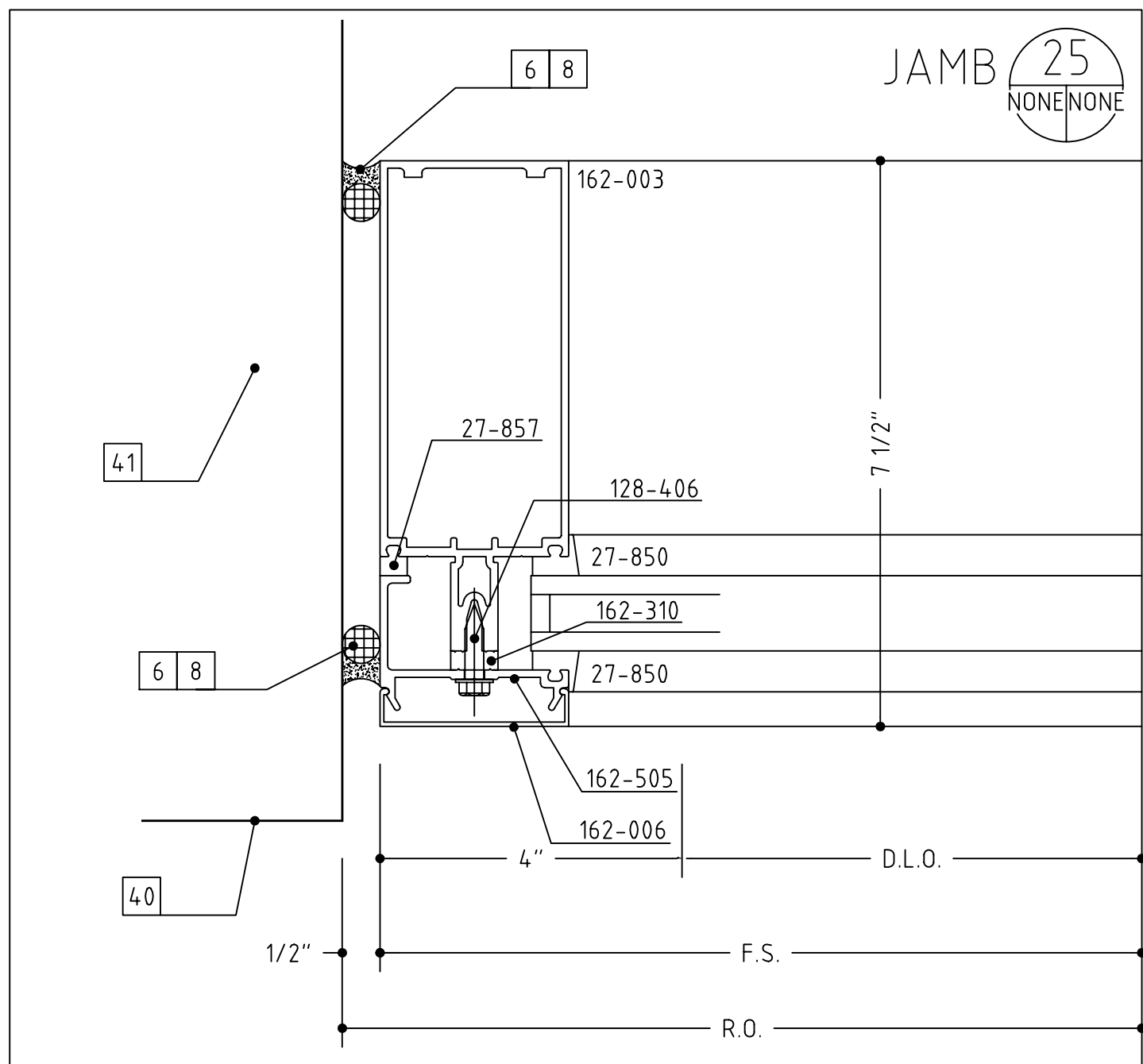
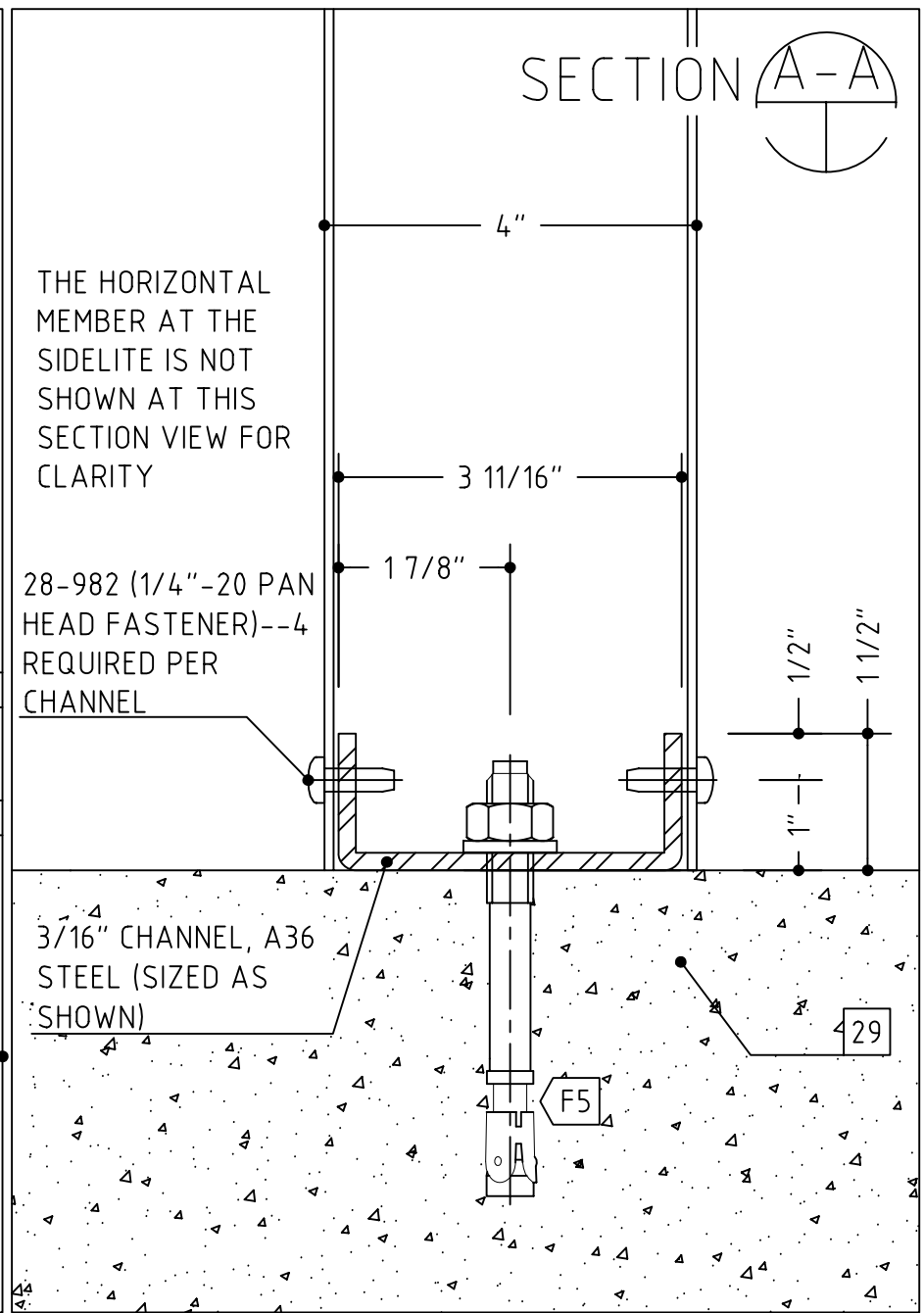
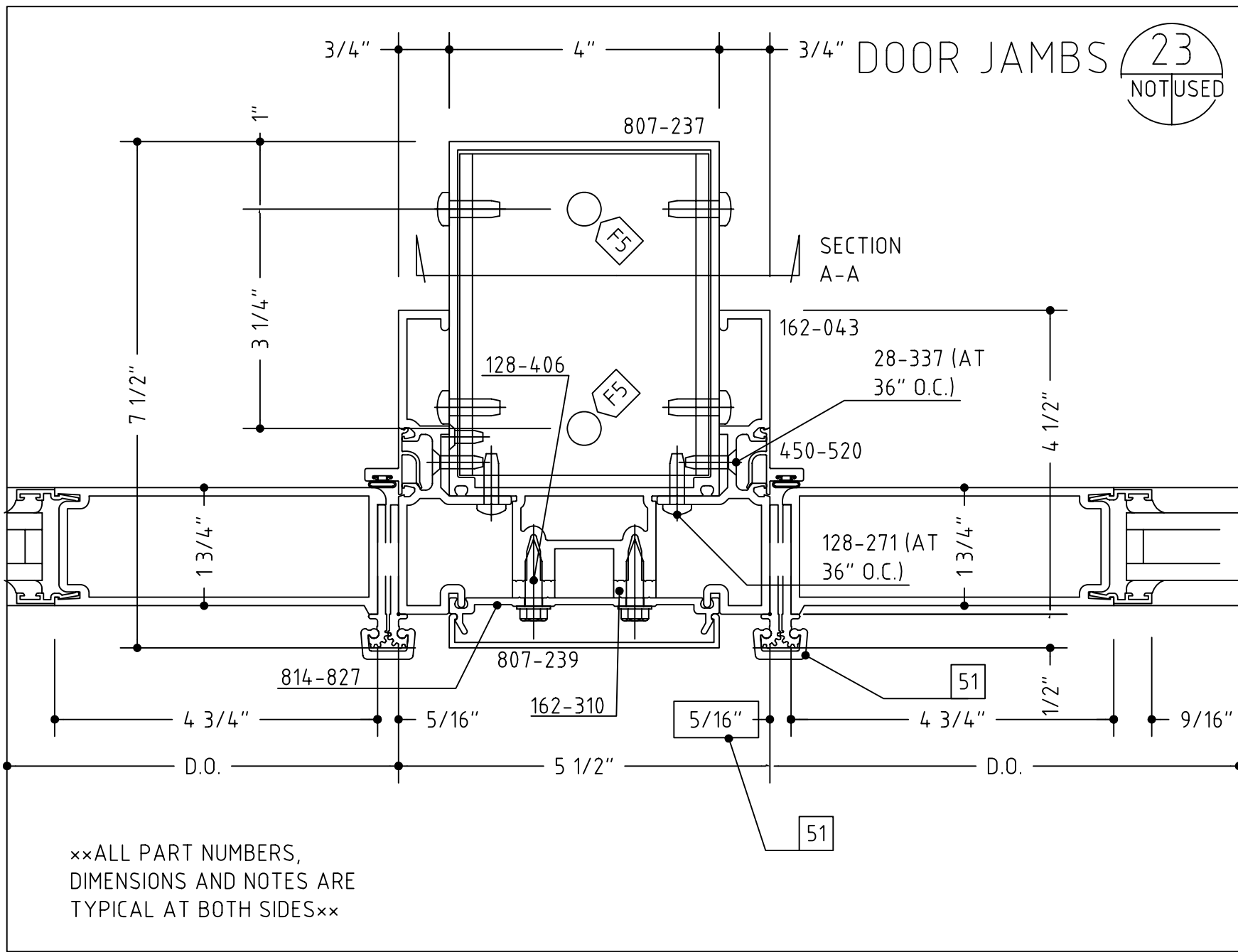
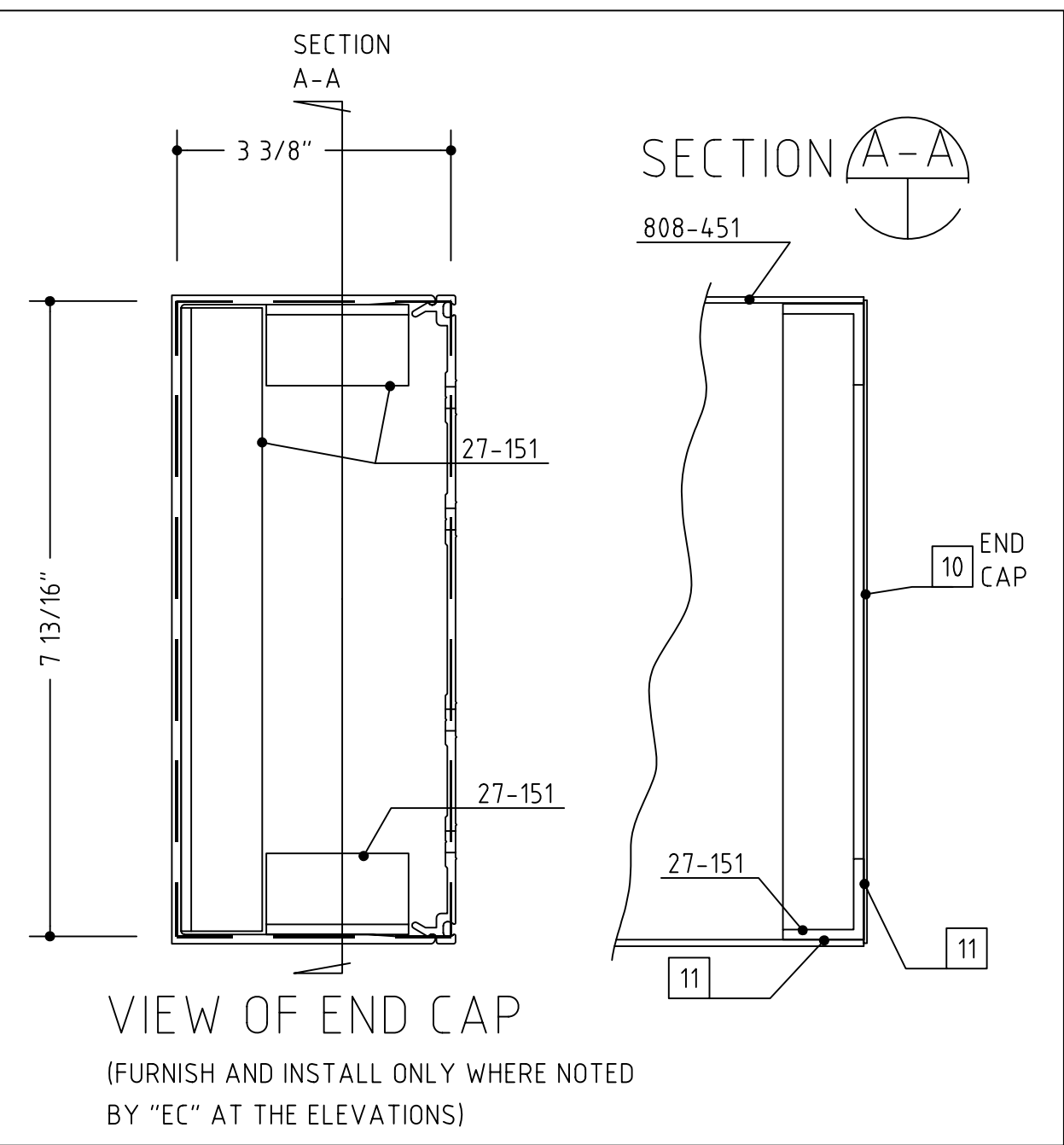
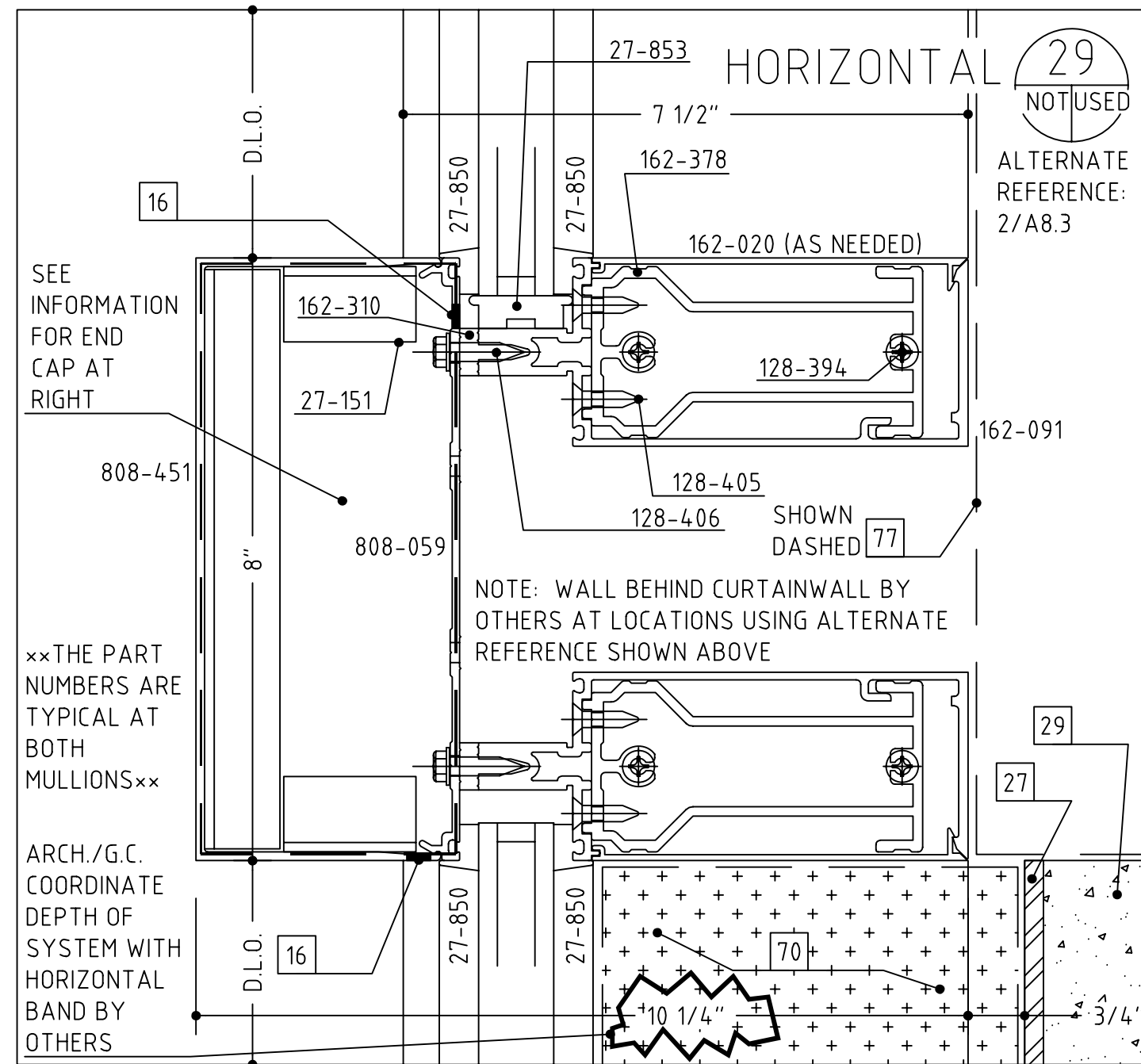
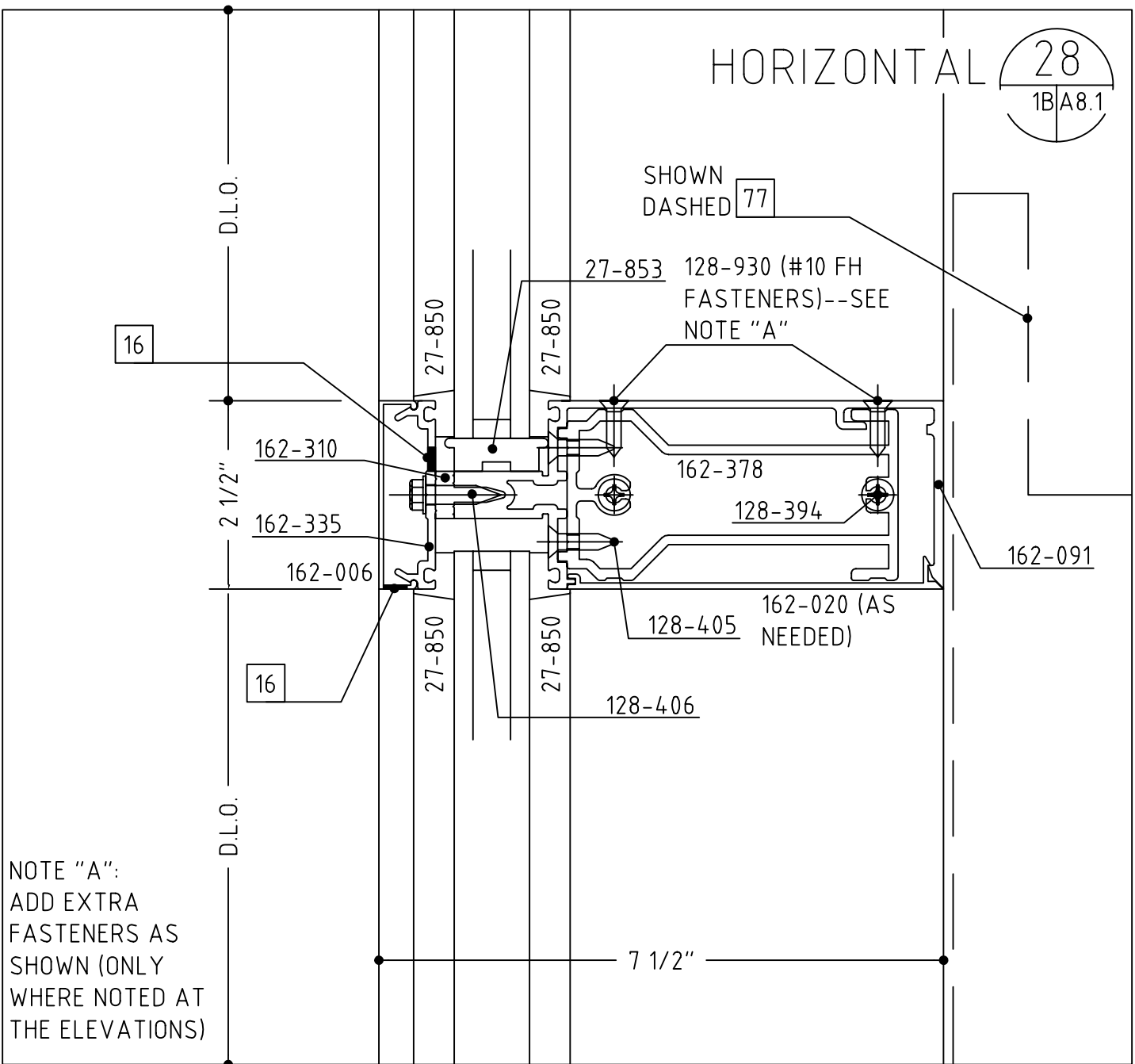
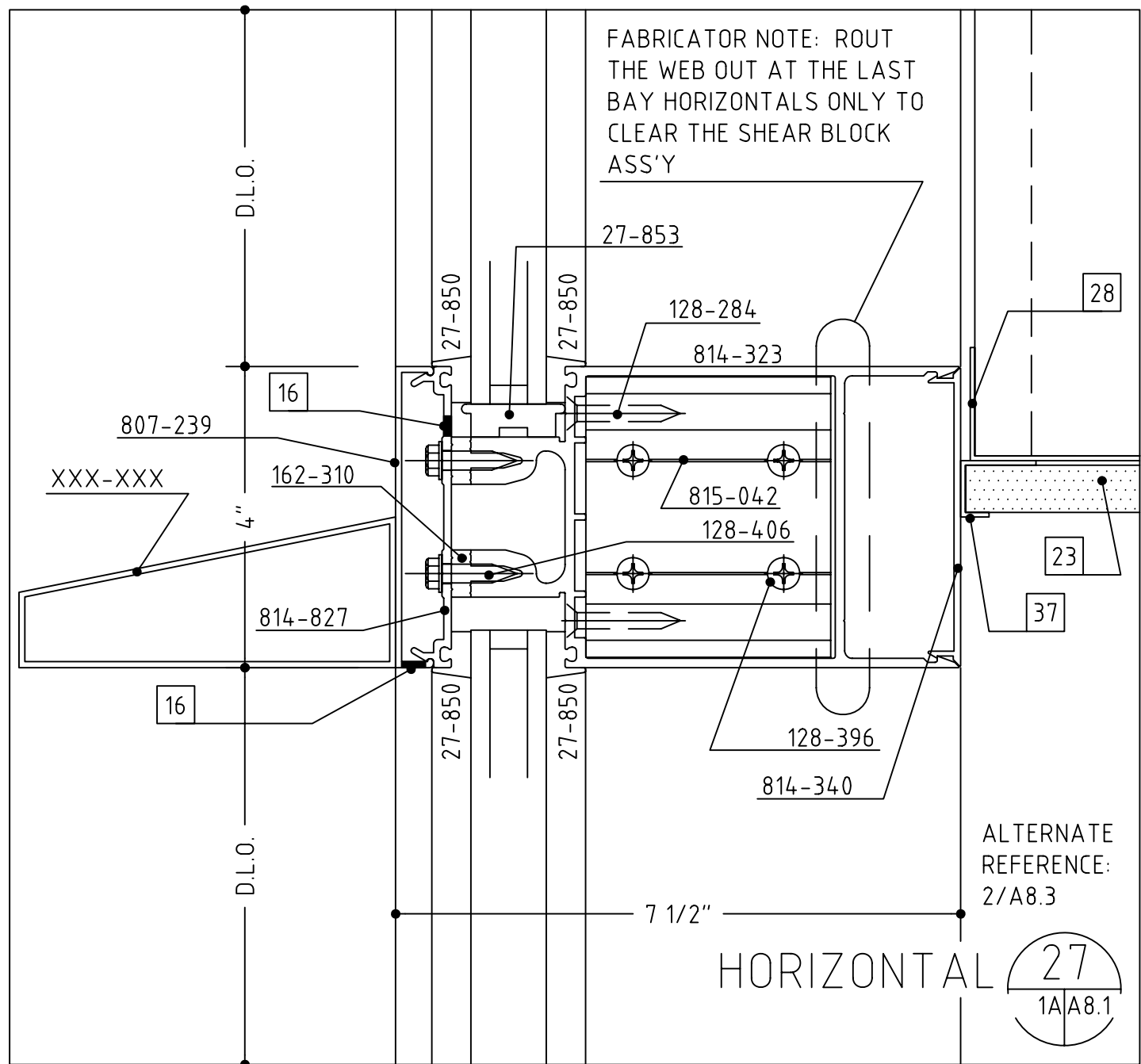
- #12 x 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS NEEDED)
- 1/4"-20 X 2" OR 3 1/2", PFH MACHINE SCREW
- #12 X 2" OR 3", PFH SHEET METAL SCREW
- SHIMS AS NEEDED (PLASTIC OR CEDAR)
- PERIMETER CAULK (AS SPECIFIED)
- BEDDING CAULK (AS SPECIFIED)
- ETHAFOAM BACKING ROD OR DENVER FOAM
- DOUBLE BACK FOAM TAPE (AS NEEDED)
- #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- #10 PFH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- WEEP HOLES (TWO PER D.L.O.)
- C.M.U. BY OTHERS
- BRICK VENEER BY OTHERS
- WOOD BLOCKING BY OTHERS
- GYP SUM WALLBOARD BY OTHERS
- SHEATHING BY OTHERS
- INSULATION BY OTHERS
- THROUGH WALL FLASHING BY OTHERS
- STEEL BY OTHERS
- STEEL STUD FRAMING BY OTHERS
- SLAB BY OTHERS
- FINISHED FLOOR (AS SCHEDULED BY ARCHITECT)
- EIFS OR DRYVIT VENEER BY OTHERS
- PRECAST CONCRETE BY OTHERS
- ACOUSTIC CEILING SYSTEM BY OTHERS
- STOOL BY OTHERS
- SEALANT BY OTHERS
- EXPANSION JOINT BY OTHERS
- J-TRIM OR CORNER BEAD BY OTHERS
- THE HEAVY LINE REPRESENTS THE PERIMETER CONSTRUCTION BY OTHERS. THE PERIMETER CONSTRUCTION IS NOT SHOWN IN DETAIL.
- VERIFY THE CONFIGURATION AND COMPOSITION OF THE PERIMETER CONSTRUCTION. COORDINATE WITH THE G.C. FOR A PROPER INSTALLATION.
- VERIFY THE FASTENER TYPE, SIZE AND LENGTH BASED ON THE PERIMETER CONSTRUCTION CONFIGURATION AND COMPOSITION.
- VERIFY THE REVEAL/SETBACK DIMENSION BASED ON THE CONFIGURATION OF THE PERIMETER CONSTRUCTION.
- 3/8" HEX HEAD BOLT ASS'Y (BOLT, WASHERS, NUT)
- SEPARATOR BETWEEN ALUMINUM AND STEEL
- 3/8"-16 WEDGE ANCHOR, 2 1/2" EMBEDMENT
- CONTINUOUS HINGE BY OTHERS (VERIFY CLEARANCE REQUIRED)
- PLYWOOD BY OTHERS
- THRESHOLD BY OTHERS (VERIFY CLEARANCE REQUIRED)
- ROOF MEMBRANE BY OTHERS
- FLASHING BY OTHERS
- ALUMINUM HOOD, FASCIA OR COPING AND ATTACHMENT BY OTHERS
- PANEL SYSTEM BY OTHERS
- STEEL WINDLOAD CLIP WITH SLOT BY OTHERS
- 9/16" DIAMETER HOLE IN MULLION (FIELD DRILLED)
- STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
- WELD BY OTHERS
- FIRE SAFING INSULATION AND ATTACHMENTS BY OTHERS
- LOUVER AND ATTACHMENTS BY OTHERS
- ALUMINUM TRIM BY OTHERS
- ROUT MULLION AS NEEDED TO CLEAR FASTENER
- CABINET CONSTRUCTION BY OTHERS (NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS)
- BOTTOM RAIL DOOR SWEEP BY OTHERS

REPLACEMENT OF VINCENT SCIENCE BUILDING, SLIPPERY ROCK UNIVERSITY, PENNSYLVANIA  
SHEET #:





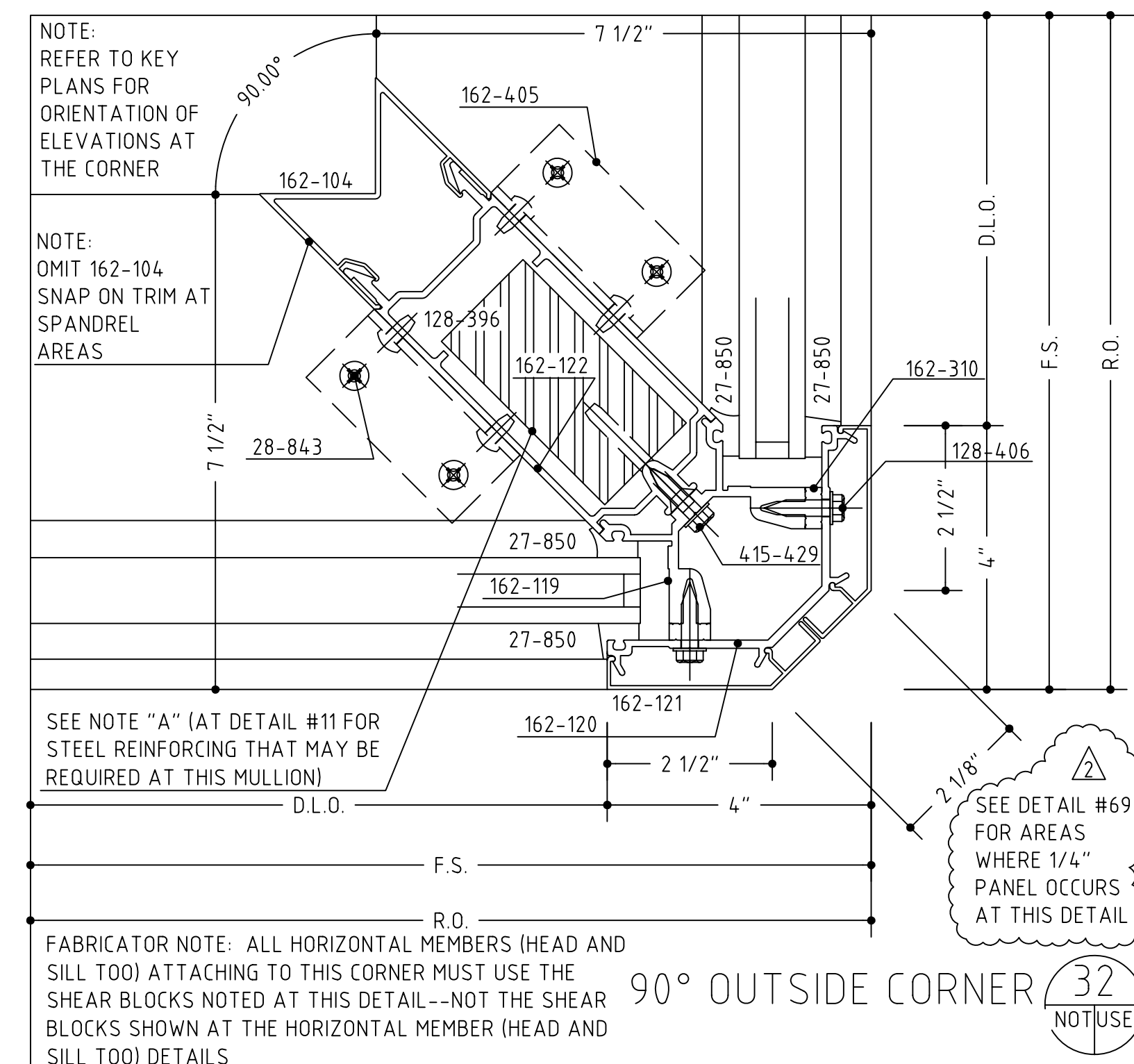
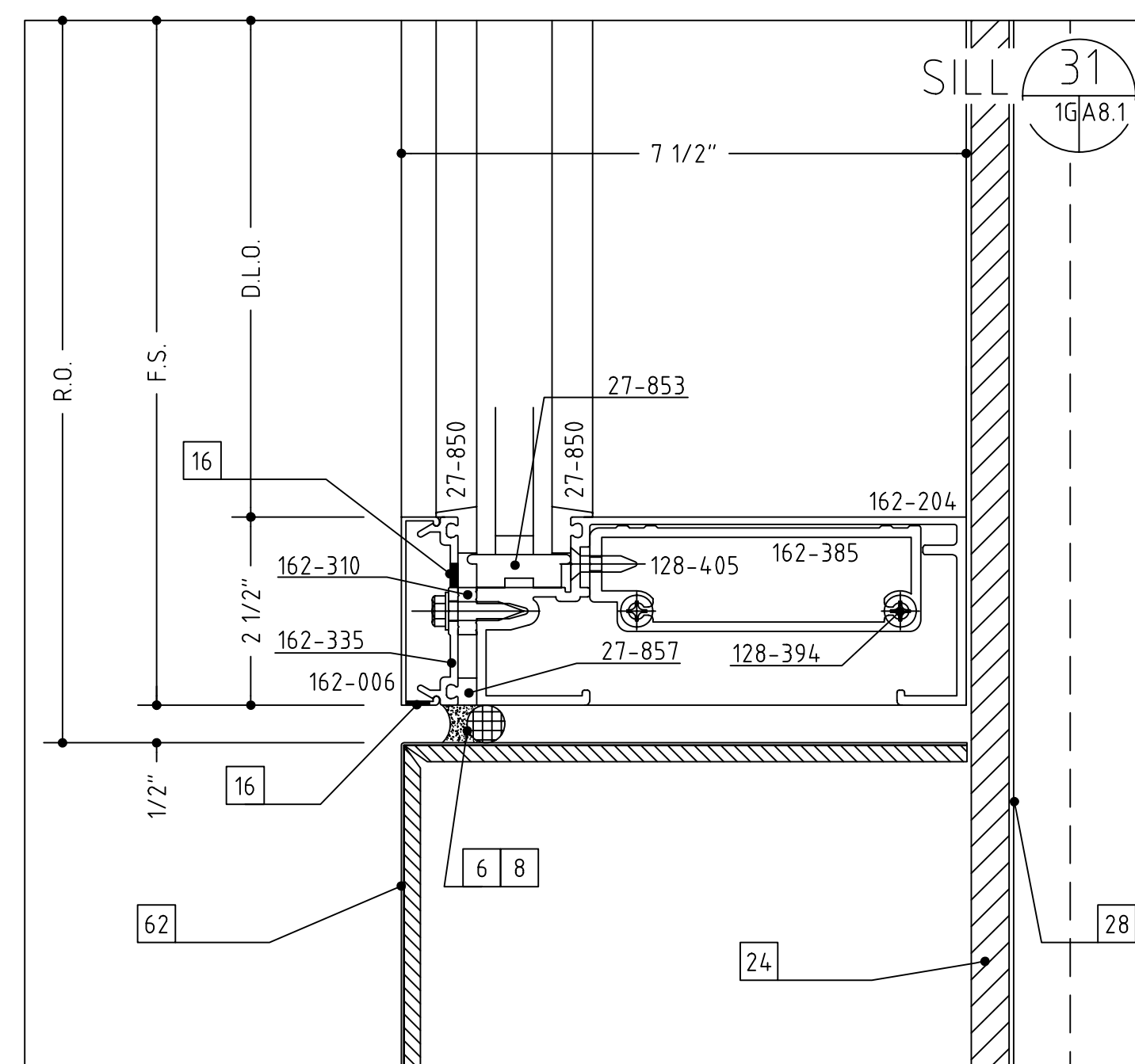
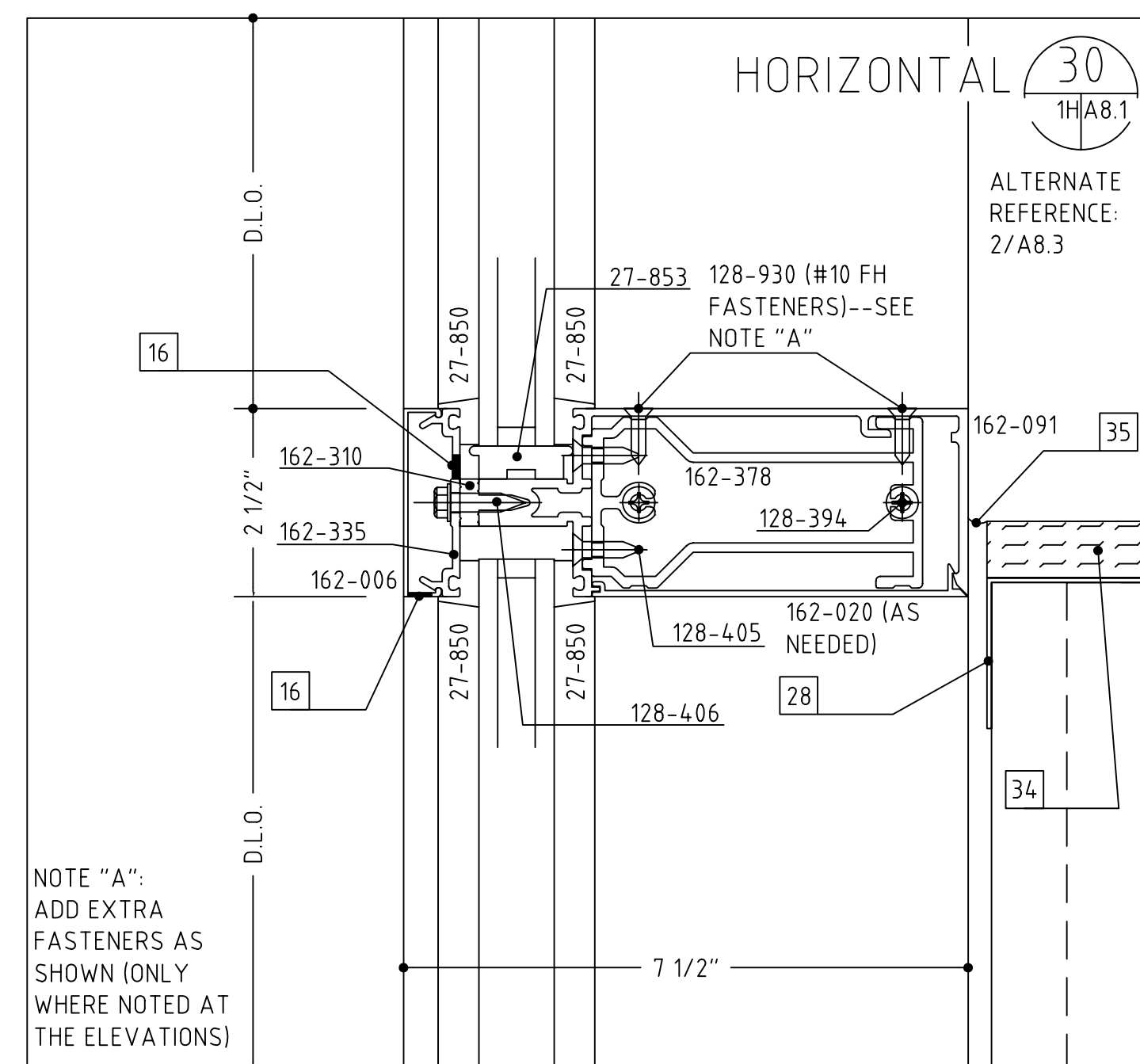
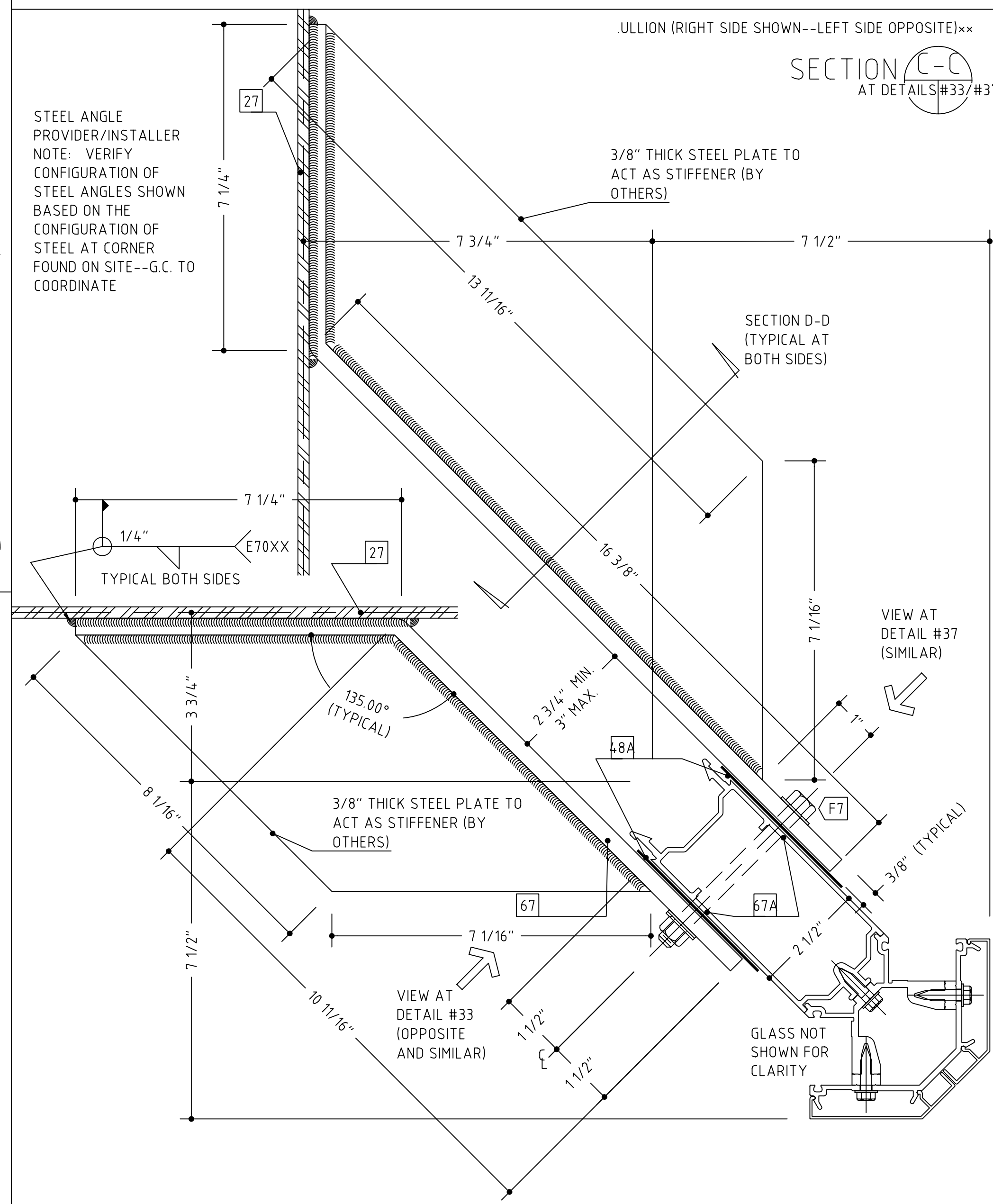
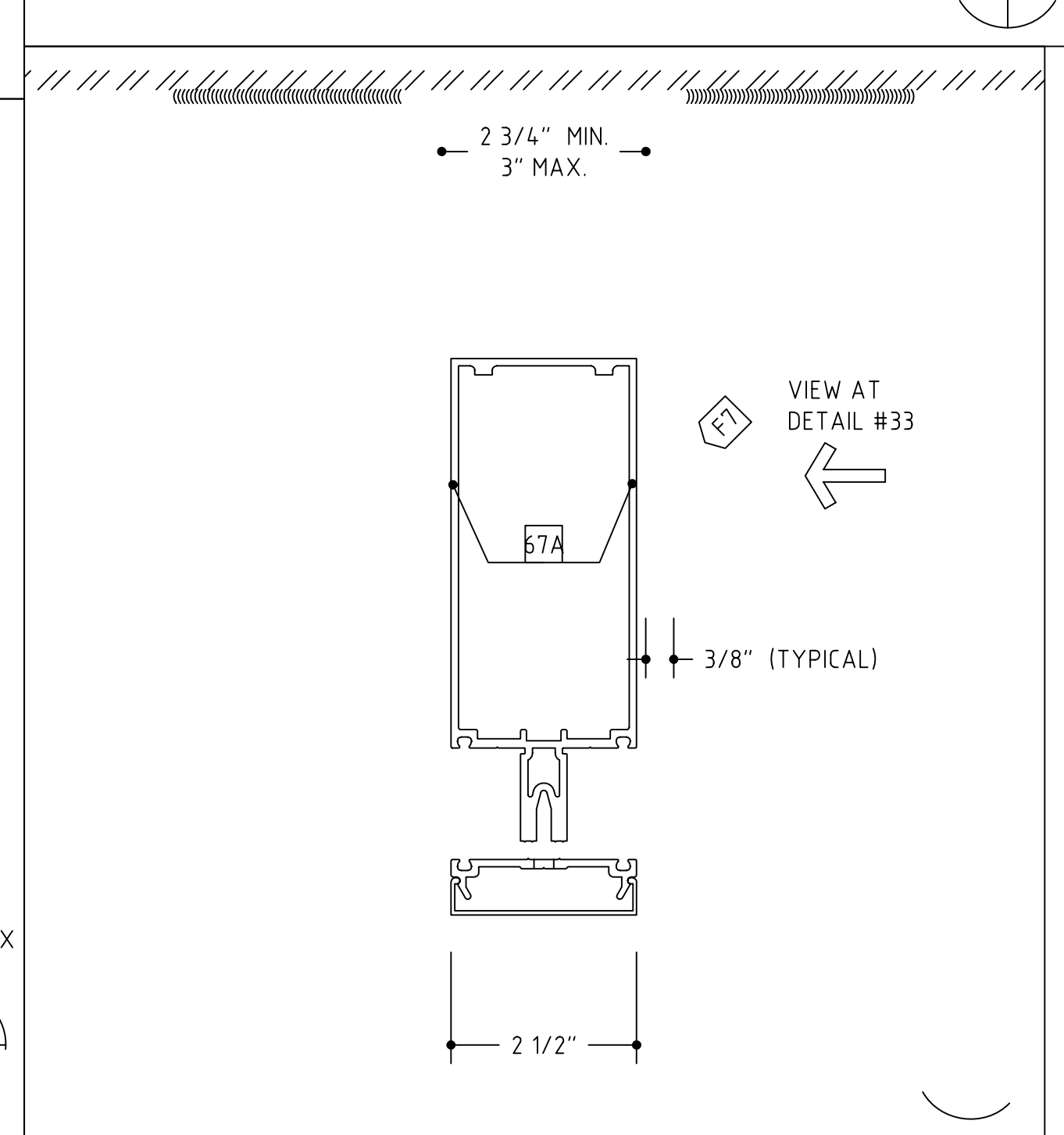
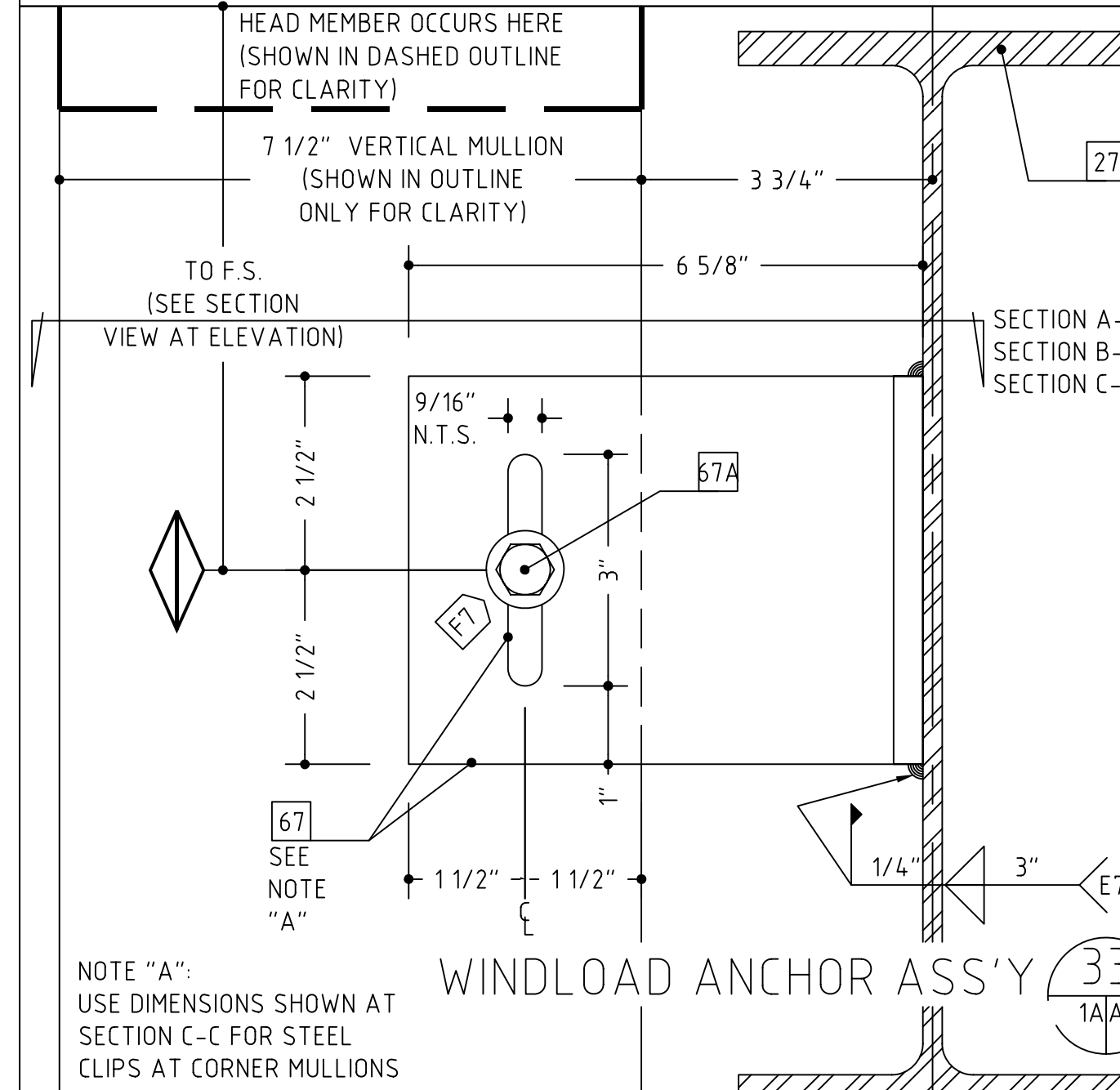
- 1 #12 x 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS NEEDED)
- 2 #14 x 20 x 2" OR 3 1/2", PFH MACHINE SCREW
- 3 #12 x 2" OR 3", PFH SHEET METAL SCREW
- 4 SHIMS AS NEEDED (PLASTIC OR CEDAR)
- 6 PERIMETER CAULK (AS SPECIFIED)
- 7 BEDDING CAULK (AS SPECIFIED)
- 8 ETHAFOAM BACKING ROD OR DENVER FOAM
- 11 DOUBLE BACK FOAM TAPE (AS NEEDED)
- 14 #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- 15 #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- 16 WEEP HOLES (TWO PER D.L.O.)
- 20 C.M.U. BY OTHERS
- 21 BRICK VENEER BY OTHERS
- 22 WOOD BLOCKING BY OTHERS
- 23 GYPSUM WALLBOARD BY OTHERS
- 24 SHEATHING BY OTHERS
- 25 INSULATION BY OTHERS
- 26 THROUGH WALL FLASHING BY OTHERS
- 27 STEEL BY OTHERS
- 28 STEEL STUD FRAMING BY OTHERS
- 29 SLAB BY OTHERS
- 30 FINISHED FLOOR (AS SCHEDULED BY ARCHITECT)
- 31 EIFS OR DRYVIT VENEER BY OTHERS
- 32 PRECAST CONCRETE BY OTHERS
- 33 ACoustIC CEILING SYSTEM BY OTHERS
- 34 STUOL BY OTHERS
- 35 SEALANT BY OTHERS
- 36 EXPANSION JOINT BY OTHERS
- 37 1-TIM OR CORNER BEAD BY OTHERS
- 40 THE HEAVY LINE REPRESENTS THE PERIMETER CONSTRUCTION BY OTHERS. THE PERIMETER CONSTRUCTION IS NOT SHOWN IN DETAIL.
- 41 VERIFY THE CONFIGURATION AND COMPOSITION OF THE PERIMETER CONSTRUCTION. COORDINATE WITH THE G.C. FOR A PROPER INSTALLATION.
- 42 VERIFY THE FASTENER TYPE, SIZE AND LENGTH BASED ON THE PERIMETER CONSTRUCTION CONFIGURATION AND COMPOSITION.
- 43 VERIFY THE REVEAL/SETBACK DIMENSION BASED ON THE CONFIGURATION OF THE PERIMETER CONSTRUCTION
- 48 3/8" HEX HEAD BOLT ASS'Y (BOLT, WASHERS, NUT)
- 48A SEPARATOR BETWEEN ALUMINUM AND STEEL
- 49 3/8" 1/6" WEDGE ANCHOR, 2 1/2" EMBEDMENT
- 51 CONTINUOUS HINGE BY OTHERS (VERIFY CLEARANCE REQUIRED)
- 53 PLYWOOD BY OTHERS
- 55 THRESHOLD BY OTHERS (VERIFY CLEARANCE REQUIRED)
- 57 ROOF MEMBRANE BY OTHERS
- 58 FLASHING BY OTHERS
- 59 ALUMINUM HOOD, FASCIA OR COPING AND ATTACHMENT BY OTHERS
- 62 PANEL WINDOW BY OTHERS
- 67 STEEL SLOTTED CLIP WITH SLOT BY OTHERS
- 67A 9/16" DIAMETER HOLE IN MULLION (FIELD DRILLED)
- 68 STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
- 68A WELD BY OTHERS
- 70 FIRESAFING INSULATION AND ATTACHMENTS BY OTHERS
- 71 LOUVER AND ATTACHMENTS BY OTHERS
- 74 ALUMINUM TRIM BY OTHERS
- 76 ROUT MULLION AS NEEDED TO CLEAR FASTENER
- 77 CABINET CONSTRUCTION BY OTHERS (NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS)
- 78 BOTTOM RAIL DOOR SWEEP BY OTHERS



- #12 x 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS NEEDED)
- 1/4"-20 X 2" OR 3 1/2", PFH MACHINE SCREW
- #12 X 2" OR 3", PFH SHEET METAL SCREW
- SHIMS AS NEEDED (PLASTIC OR CEDAR)
- PERIMETER CAULK (AS SPECIFIED)
- BEDDING CAULK (AS SPECIFIED)
- ETHAFOAM BACKING ROD OR DENVER FOAM
- DOUBLE BACK FOAM TAPE (AS NEEDED)
- #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- CMU. BY OTHERS
- BRICK VENEER BY OTHERS
- WOOD BLOCKING BY OTHERS
- GYPSTUM WALLBOARD BY OTHERS
- SHEATHING BY OTHERS
- INSULATION BY OTHERS
- THROUGH WALL FLASHING BY OTHERS
- STEEL BY OTHERS
- STEEL STUD FRAMING BY OTHERS
- SLAB BY OTHERS
- FINISHED FLOOR (AS SCHEDULED BY ARCHITECT)
- EFS OR DRYVIT VENEER BY OTHERS
- PRECAST CONCRETE BY OTHERS
- ACOUSTIC CEILING SYSTEM BY OTHERS
- STOOL BY OTHERS
- SEALANT BY OTHERS
- EXPANSION JOINT BY OTHERS
- J-TRIM OR CORNER BEAD BY OTHERS
- THE HEAVY LINE REPRESENTS THE PERIMETER CONSTRUCTION BY OTHERS. THE PERIMETER CONSTRUCTION IS NOT SHOWN IN DETAIL.
- VERIFY THE CONFIGURATION AND COMPOSITION OF THE PERIMETER CONSTRUCTION. COORDINATE WITH THE G.C. FOR A PROPER INSTALLATION.
- VERIFY THE FASTENER TYPE, SIZE AND LENGTH BASED ON THE PERIMETER CONSTRUCTION CONFIGURATION AND COMPOSITION.
- VERIFY THE REVEAL/SETBACK DIMENSION BASED ON THE CONFIGURATION OF THE PERIMETER CONSTRUCTION.
- 3/8" HEX HEAD BOLT ASS'Y (BOLT, WASHERS, NUT)
- SEPARATOR BETWEEN ALUMINUM AND STEEL
- 3/8"-16 WEDGE ANCHOR, 2 1/2" EMBEDMENT
- CONTINUOUS HINGE BY OTHERS (VERIFY CLEARANCE REQUIRED)
- PLYWOOD BY OTHERS
- THRESHOLD BY OTHERS (VERIFY CLEARANCE REQUIRED)
- ROOF MEMBRANE BY OTHERS
- FLASHING BY OTHERS
- ALUMINUM HOOD, FASCIA OR COPING AND ATTACHMENT BY OTHERS
- PANEL SYSTEM BY OTHERS
- STEEL WINDLOAD CLIP WITH SLOT BY OTHERS
- 9/16" DIAMETER HOLE IN MULLION (FIELD DRILLED)
- STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
- WELD BY OTHERS
- FIRESAFING INSULATION AND ATTACHMENTS BY OTHERS
- LOUVER AND ATTACHMENTS BY OTHERS
- ALUMINUM TRIM BY OTHERS
- ROUT MULLION AS NEEDED TO CLEAR FASTENER
- CABINET CONSTRUCTION BY OTHERS (NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS)
- BOTTOM RAIL DOOR SWEEP BY OTHERS

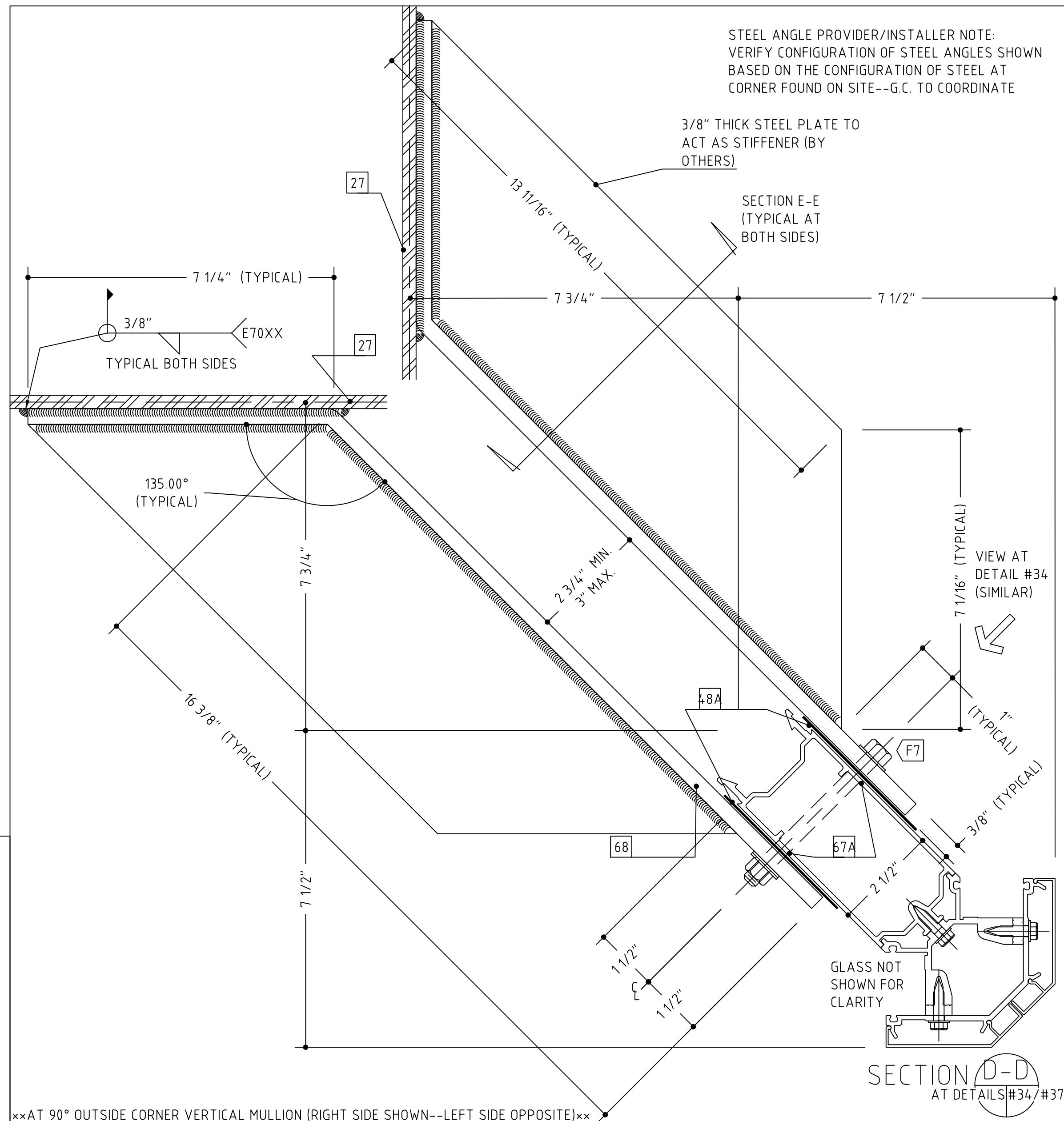
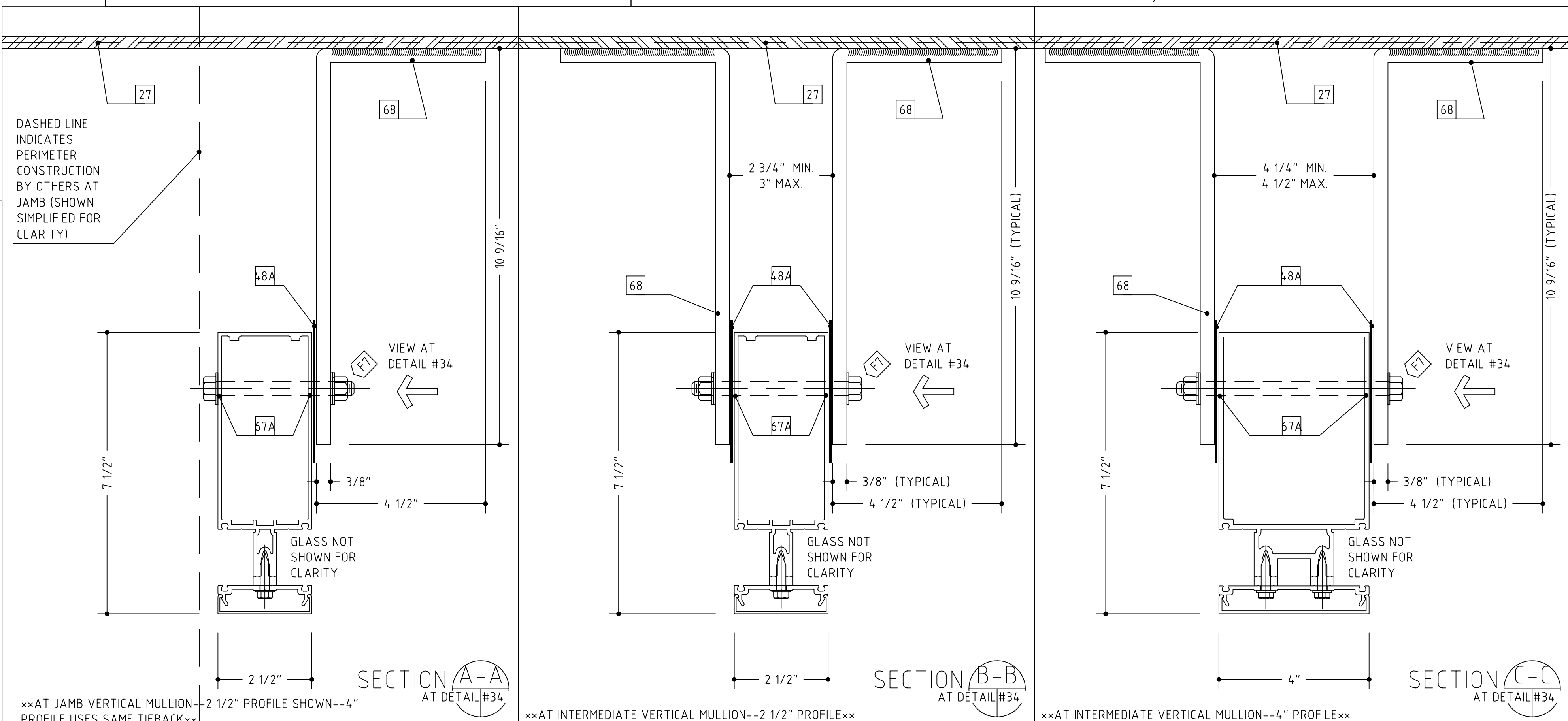
REPLACEMENT OF VINCENT SCIENCE BUILDING, SLIPPERY ROCK UNIVERSITY, PENNSYLVANIA





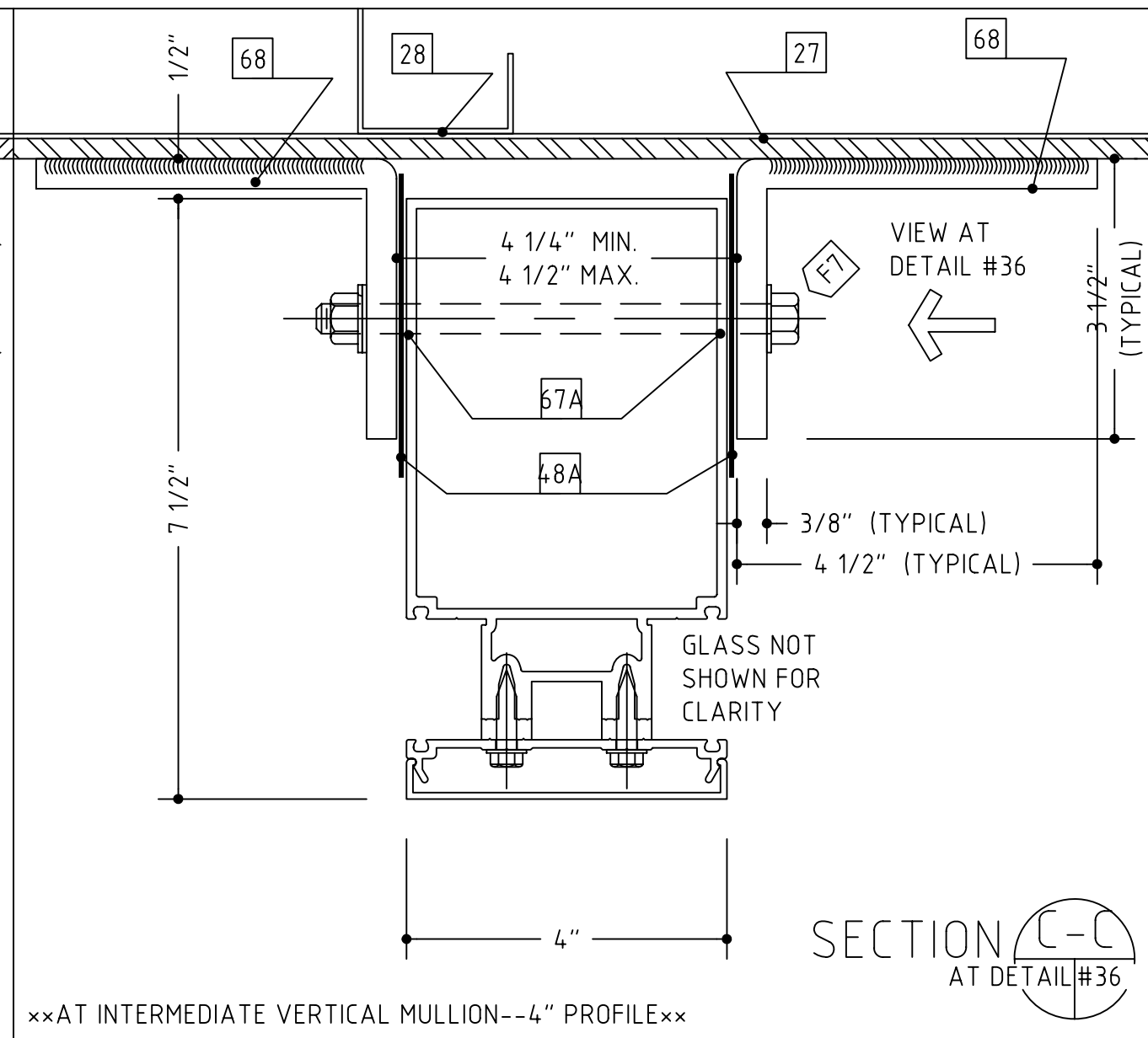
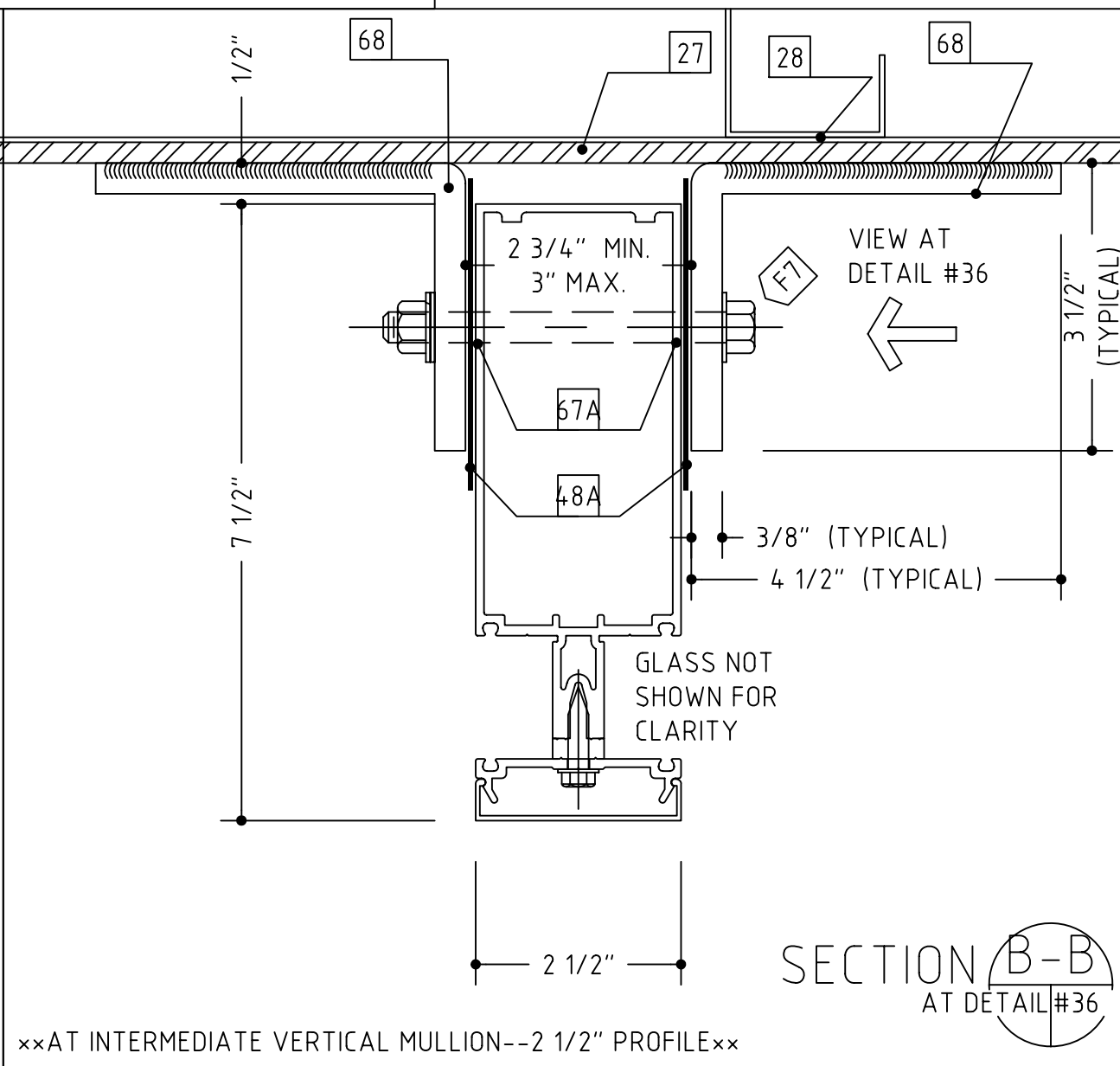
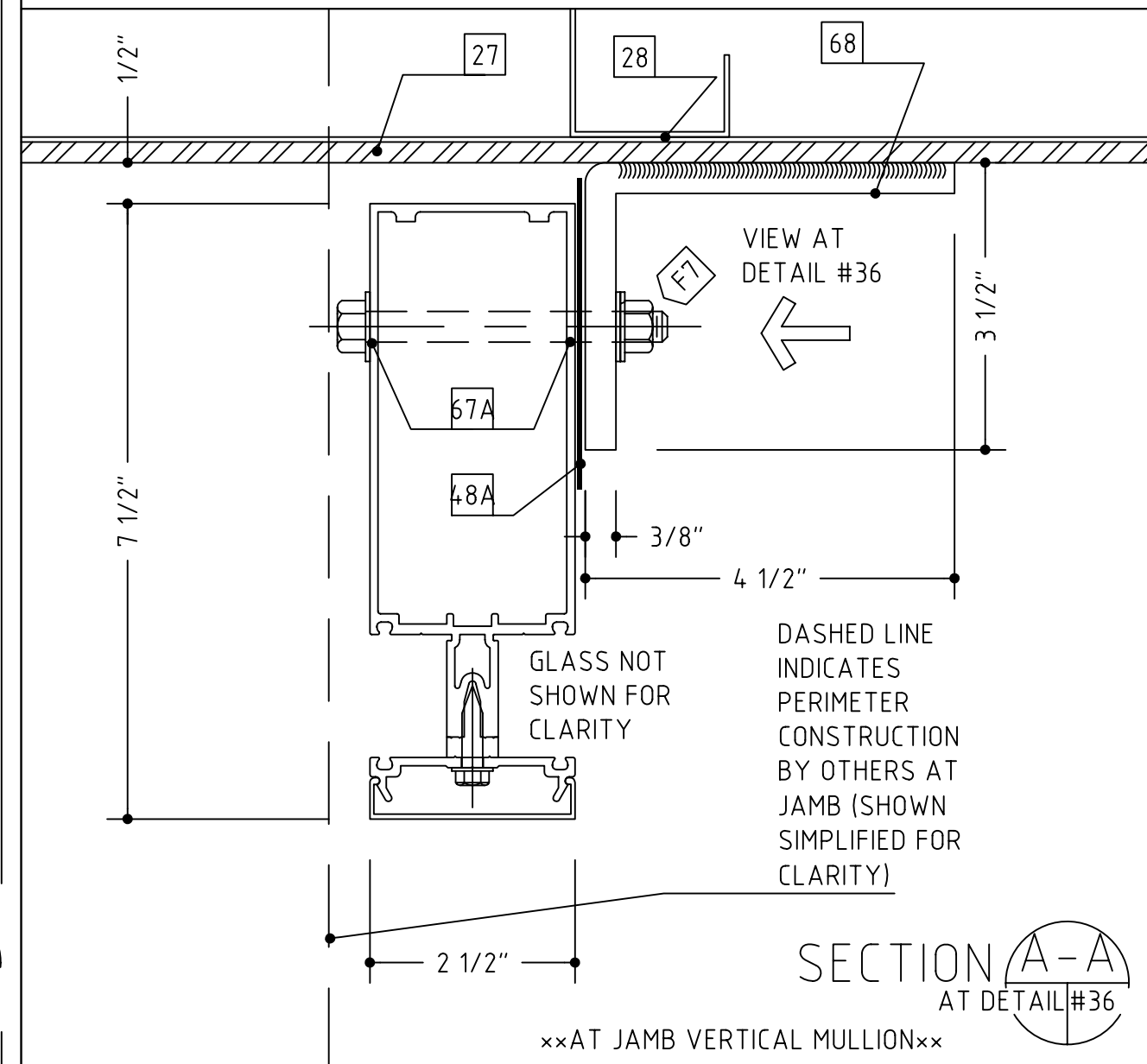
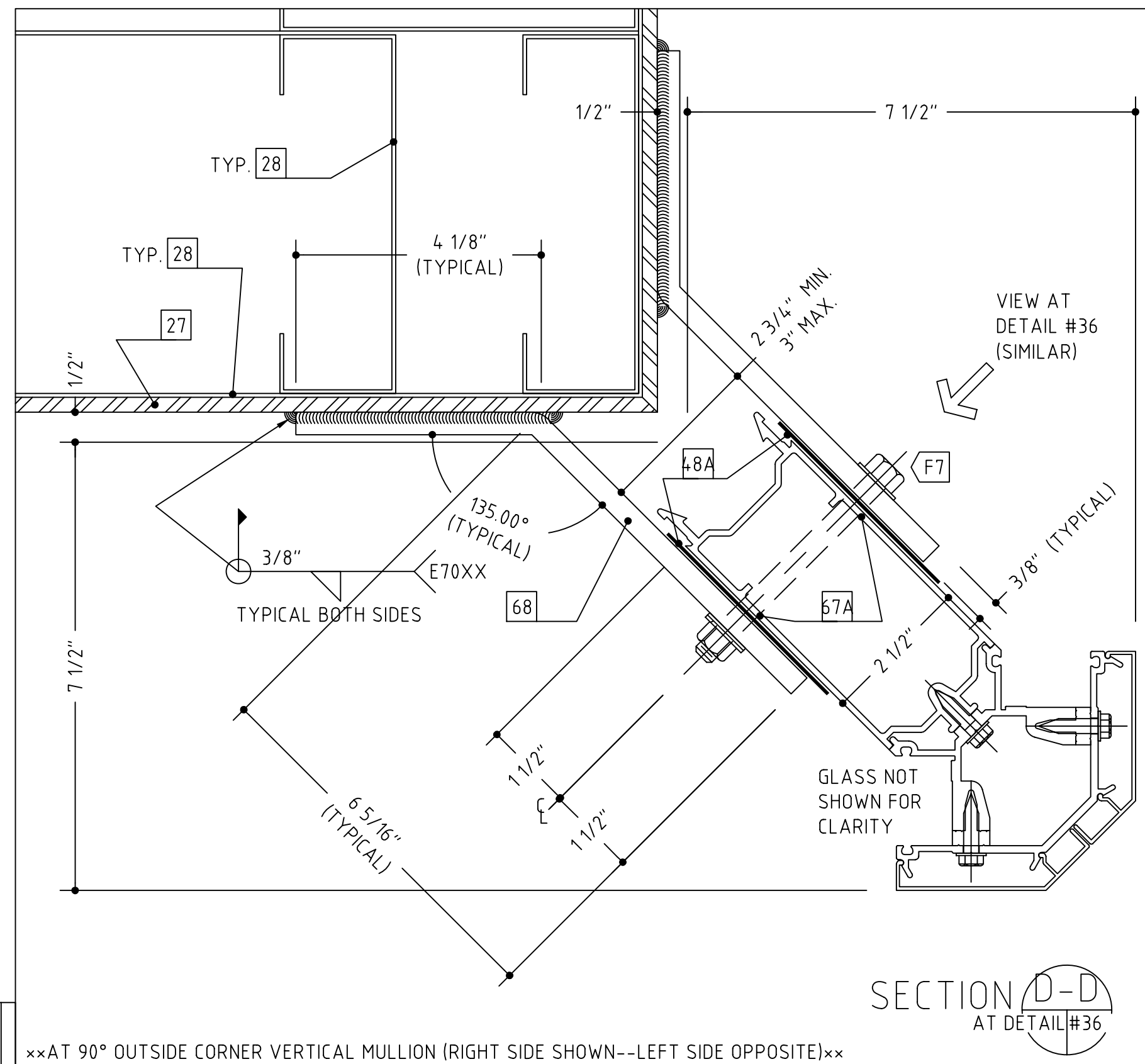
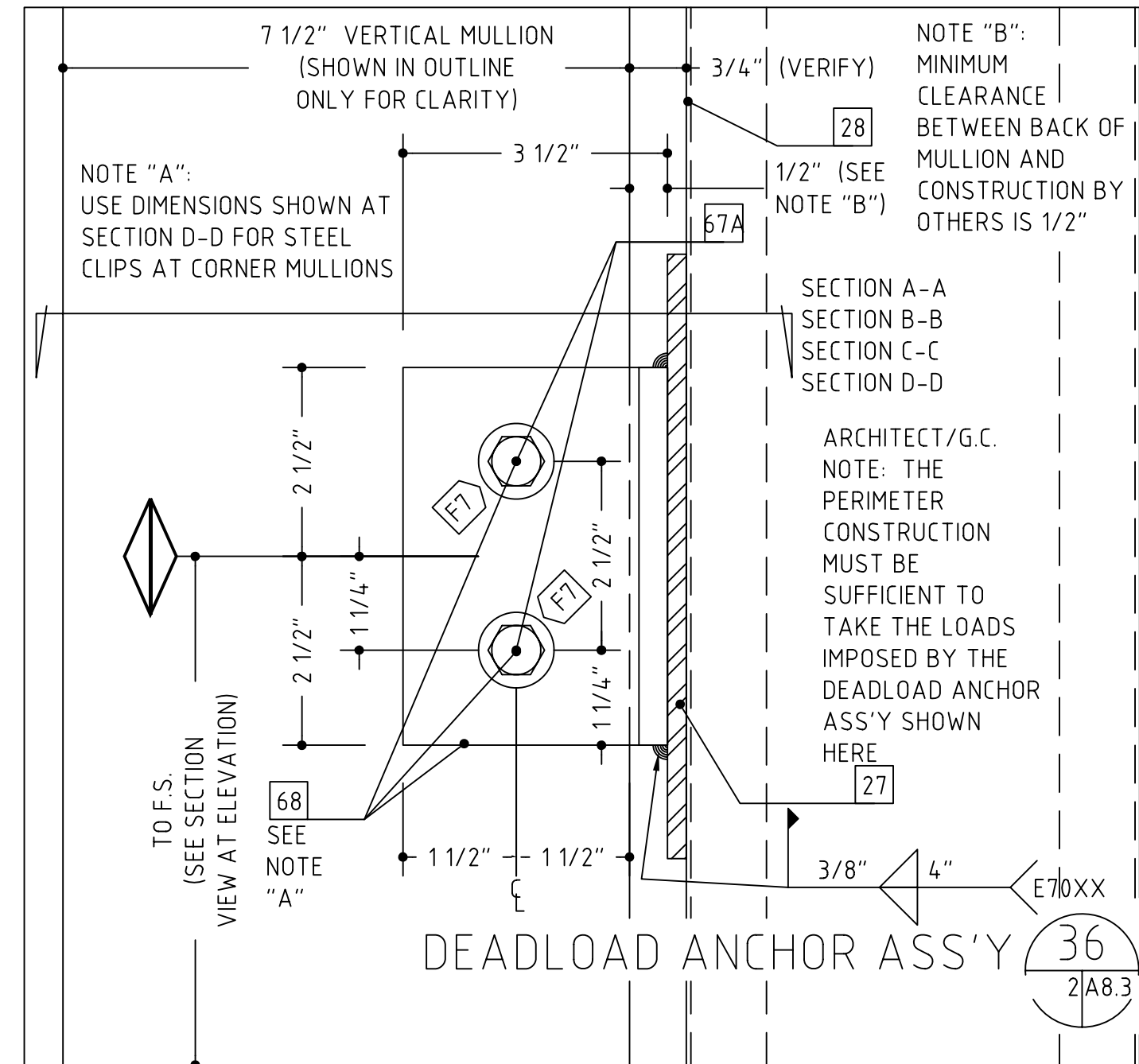
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- 36 EXPANSION JOINT BY OTHERS
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- 68 STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
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- 71 LOUVER AND ATTACHMENTS BY OTHERS
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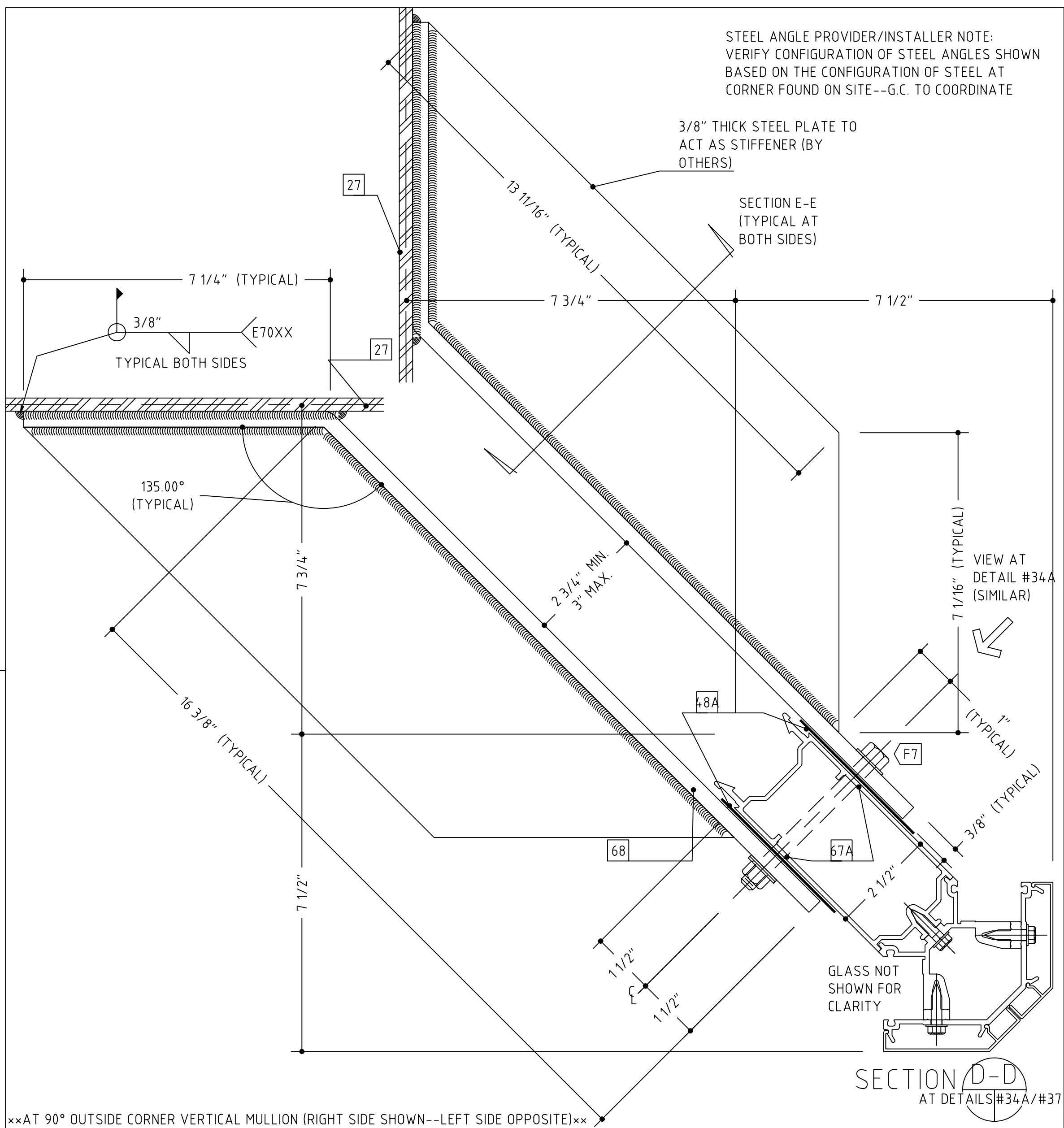
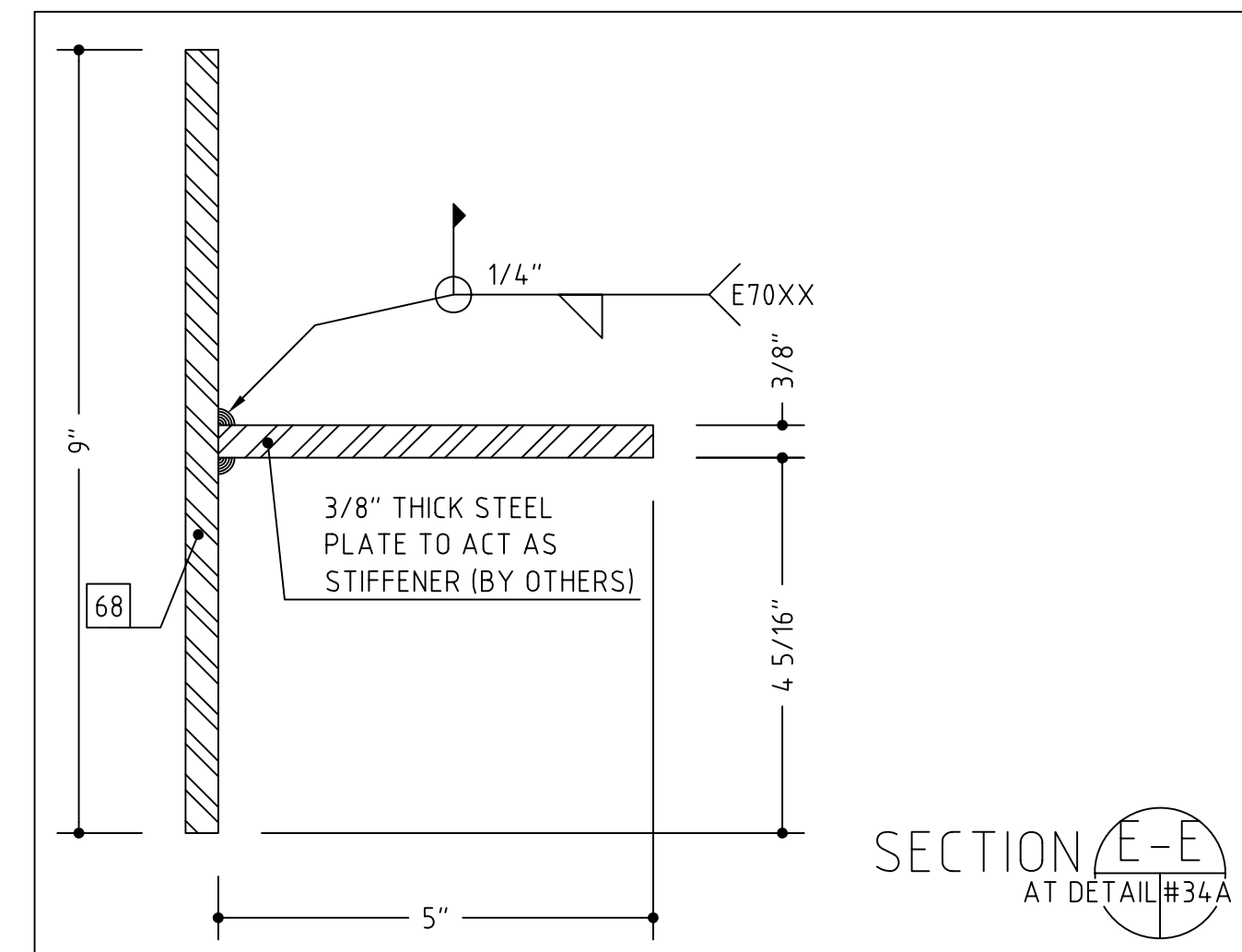
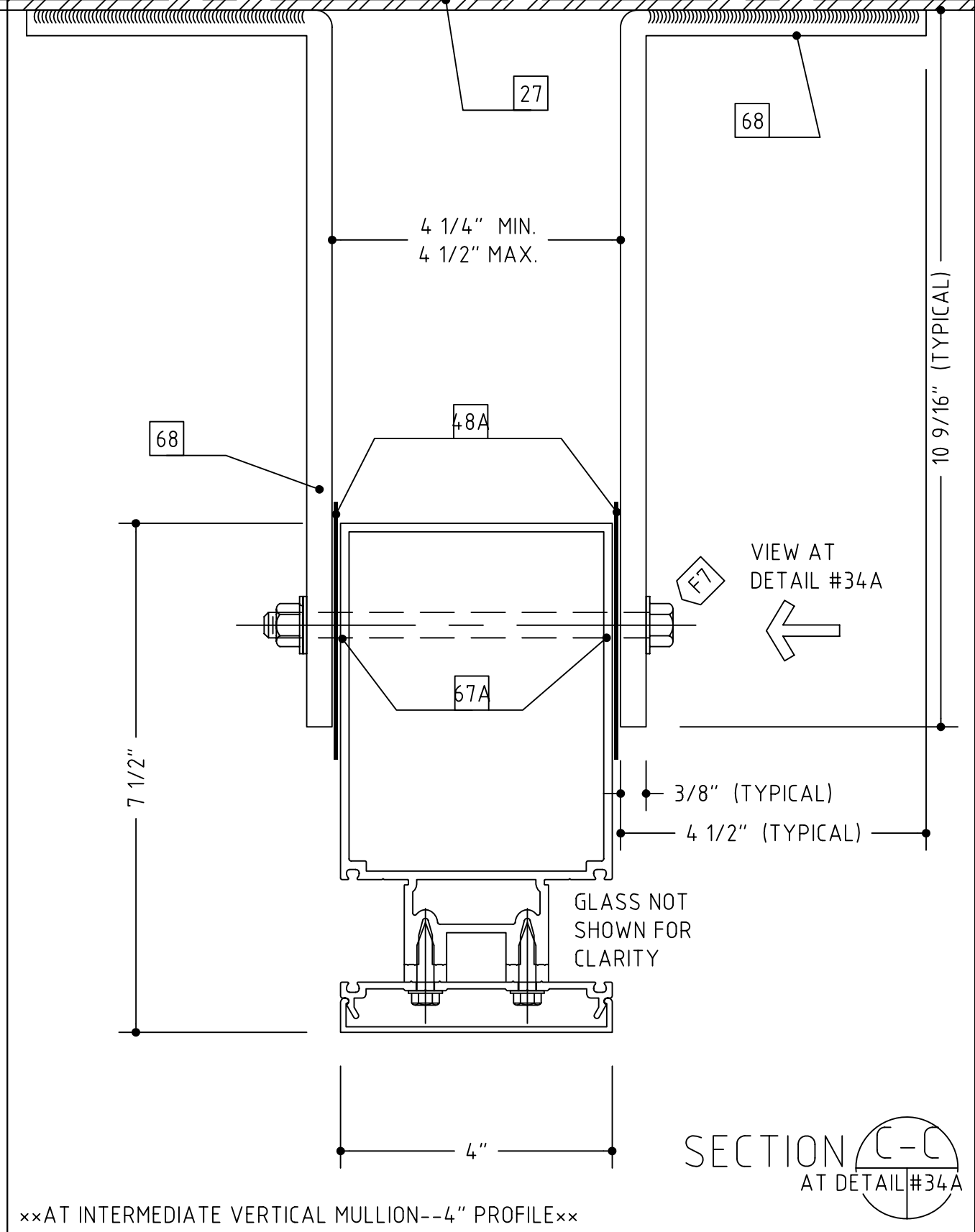
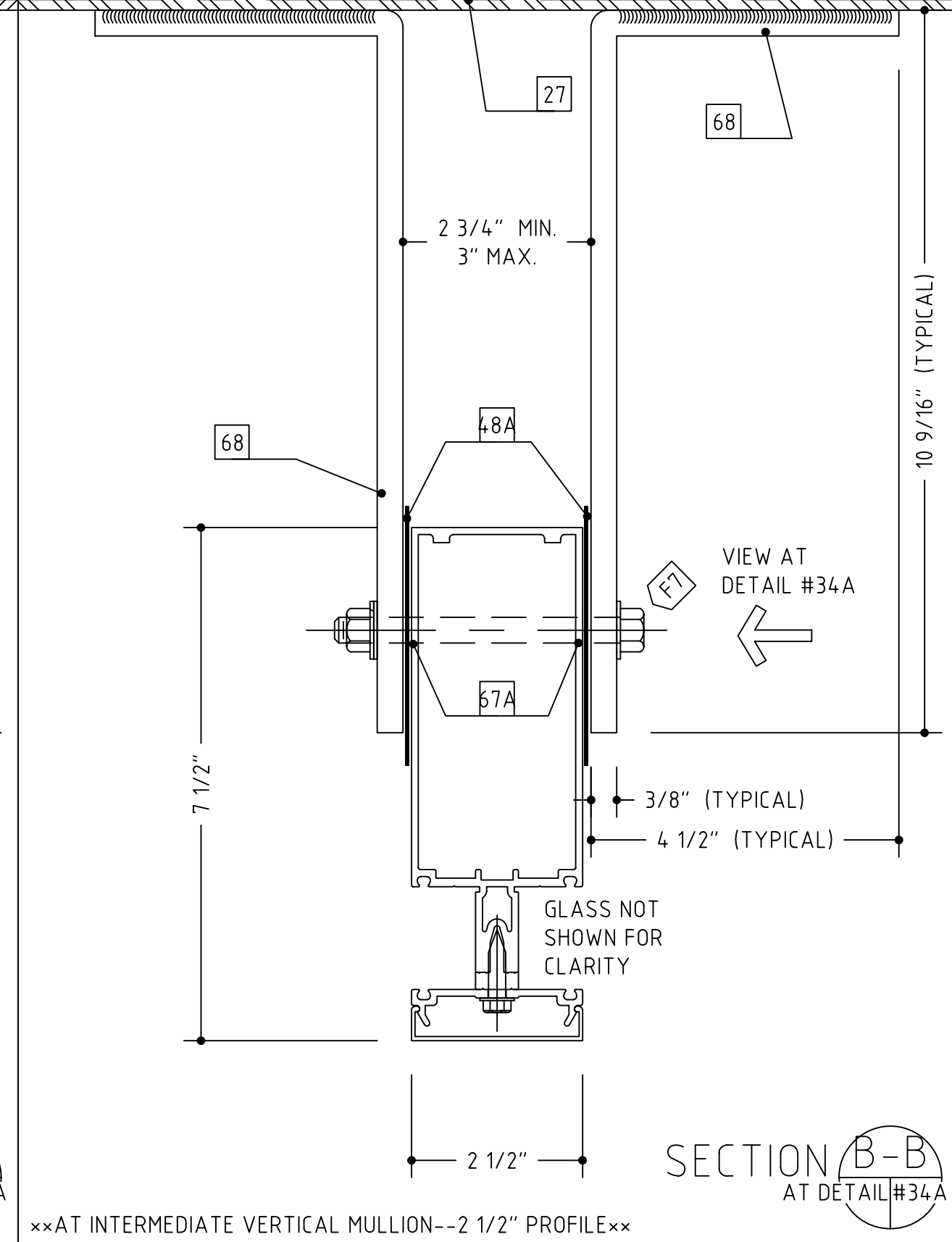
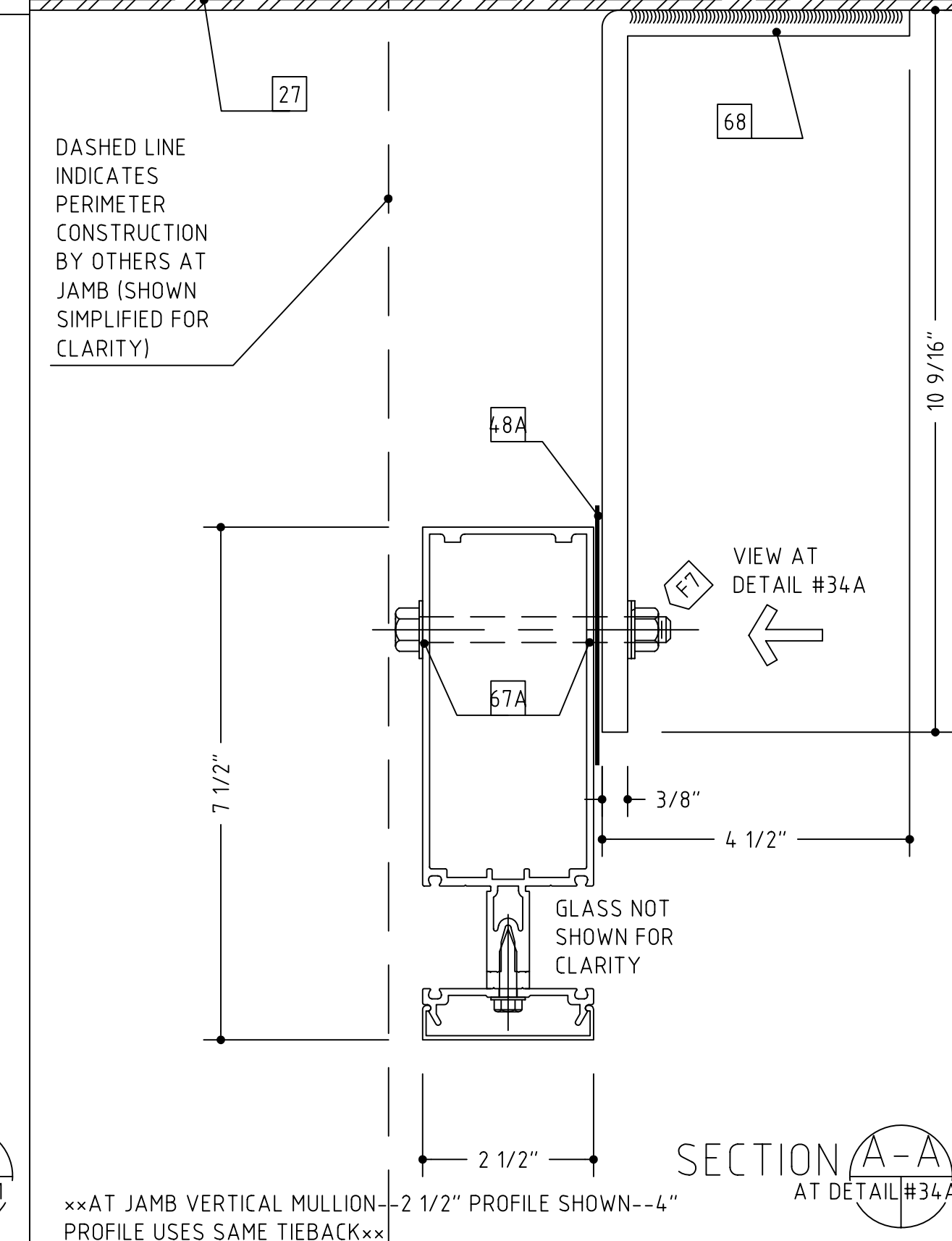
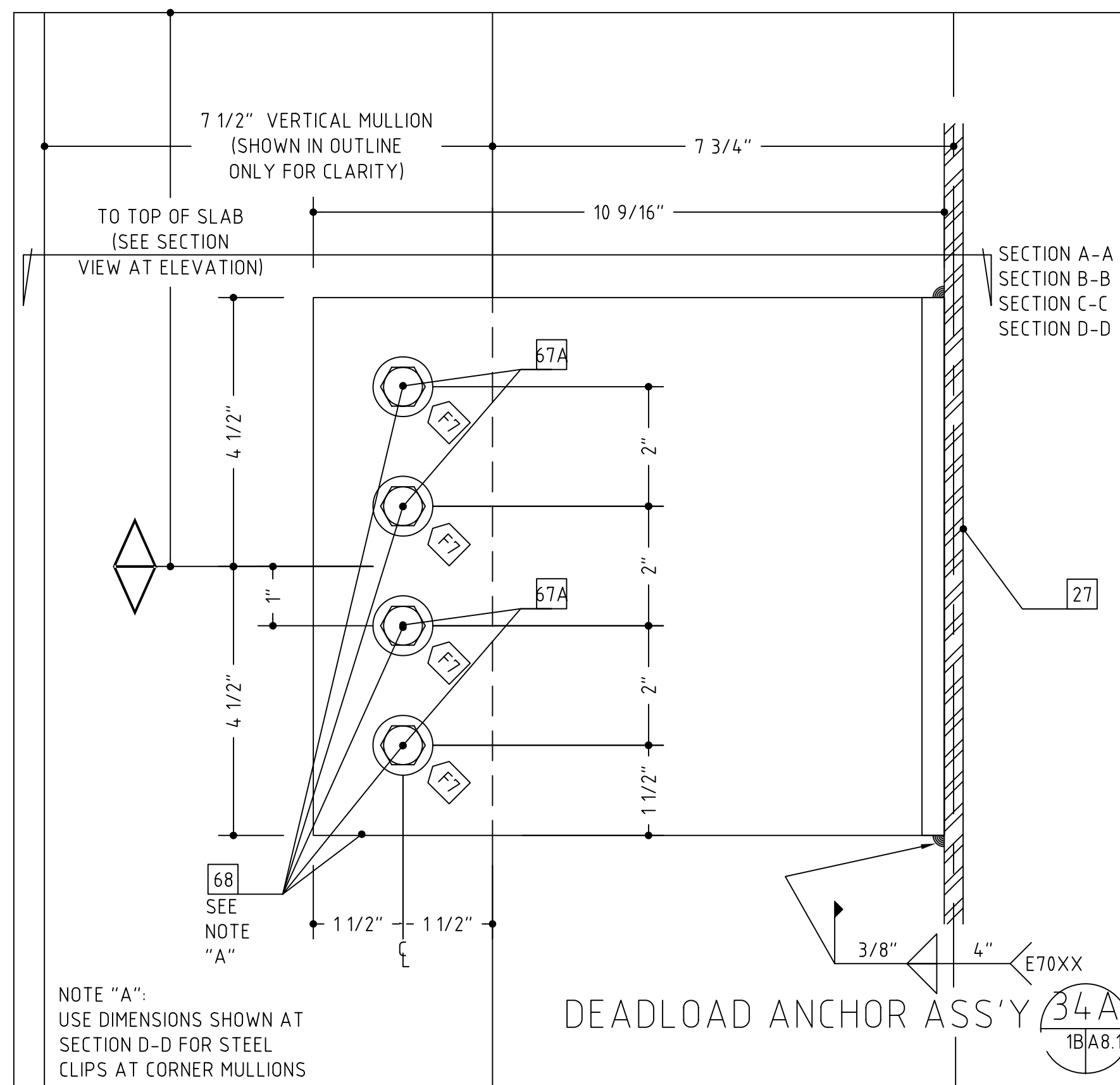




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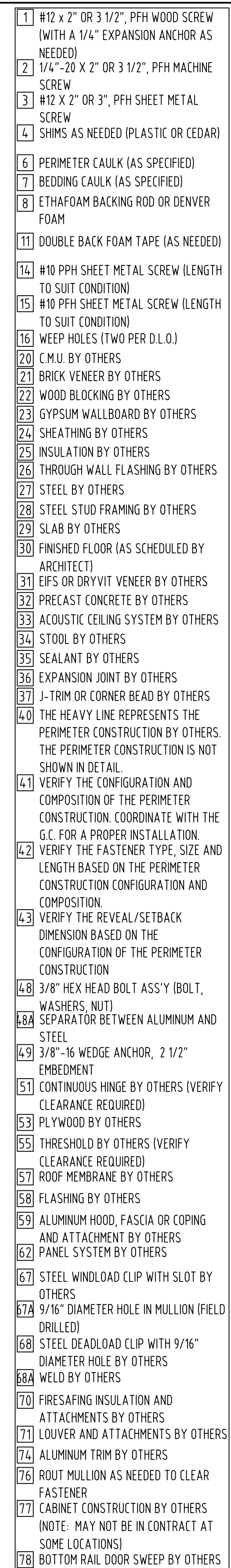
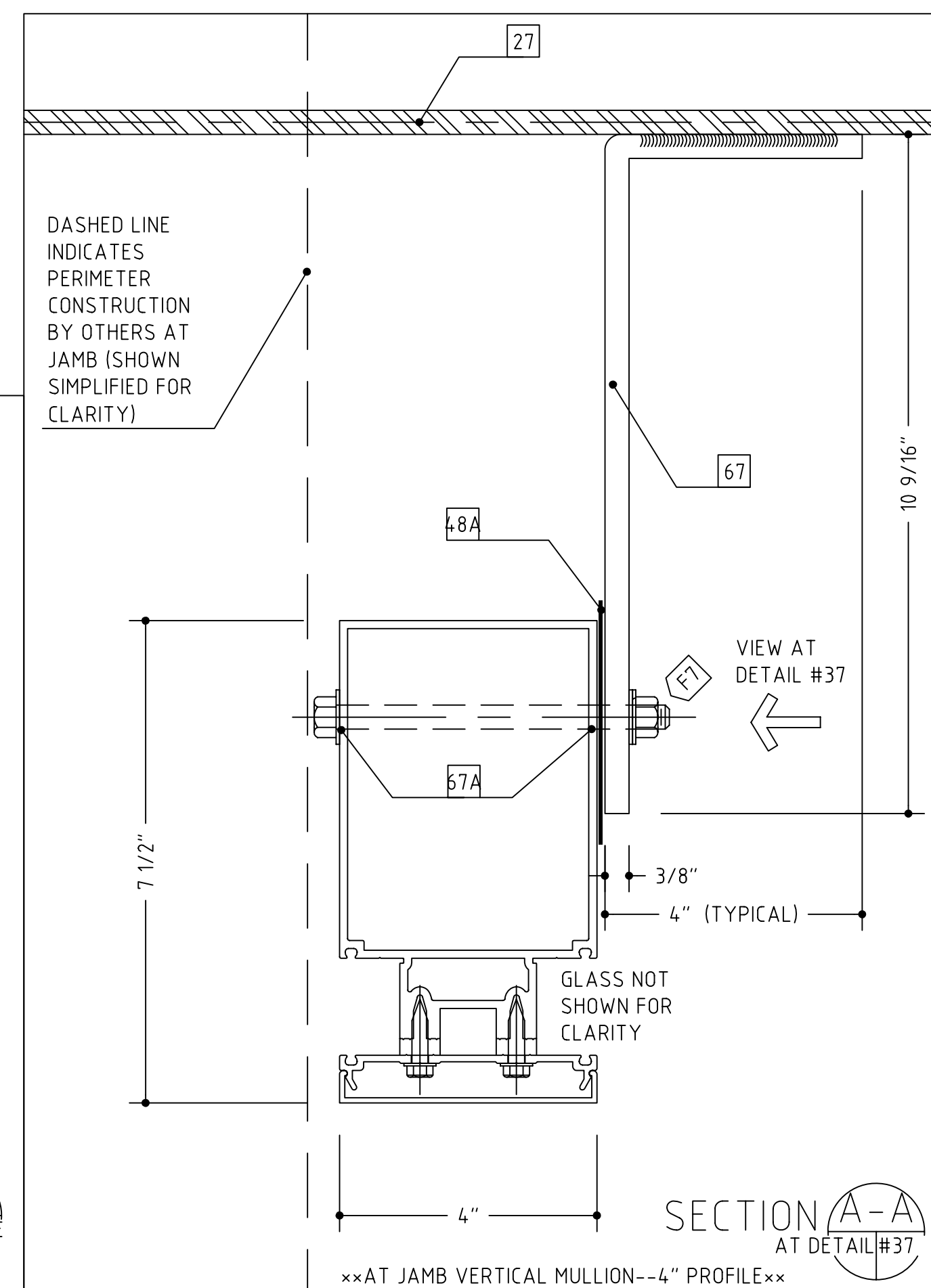
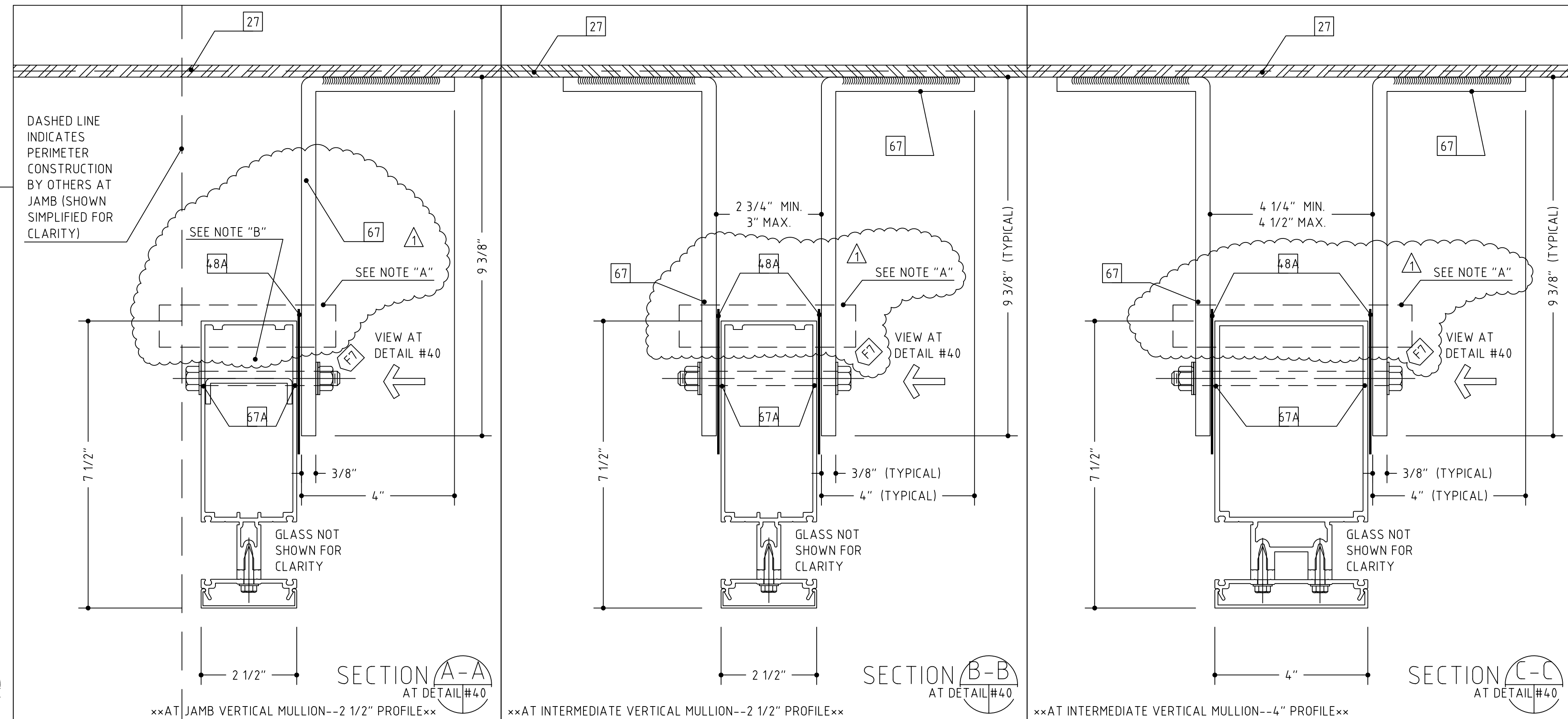


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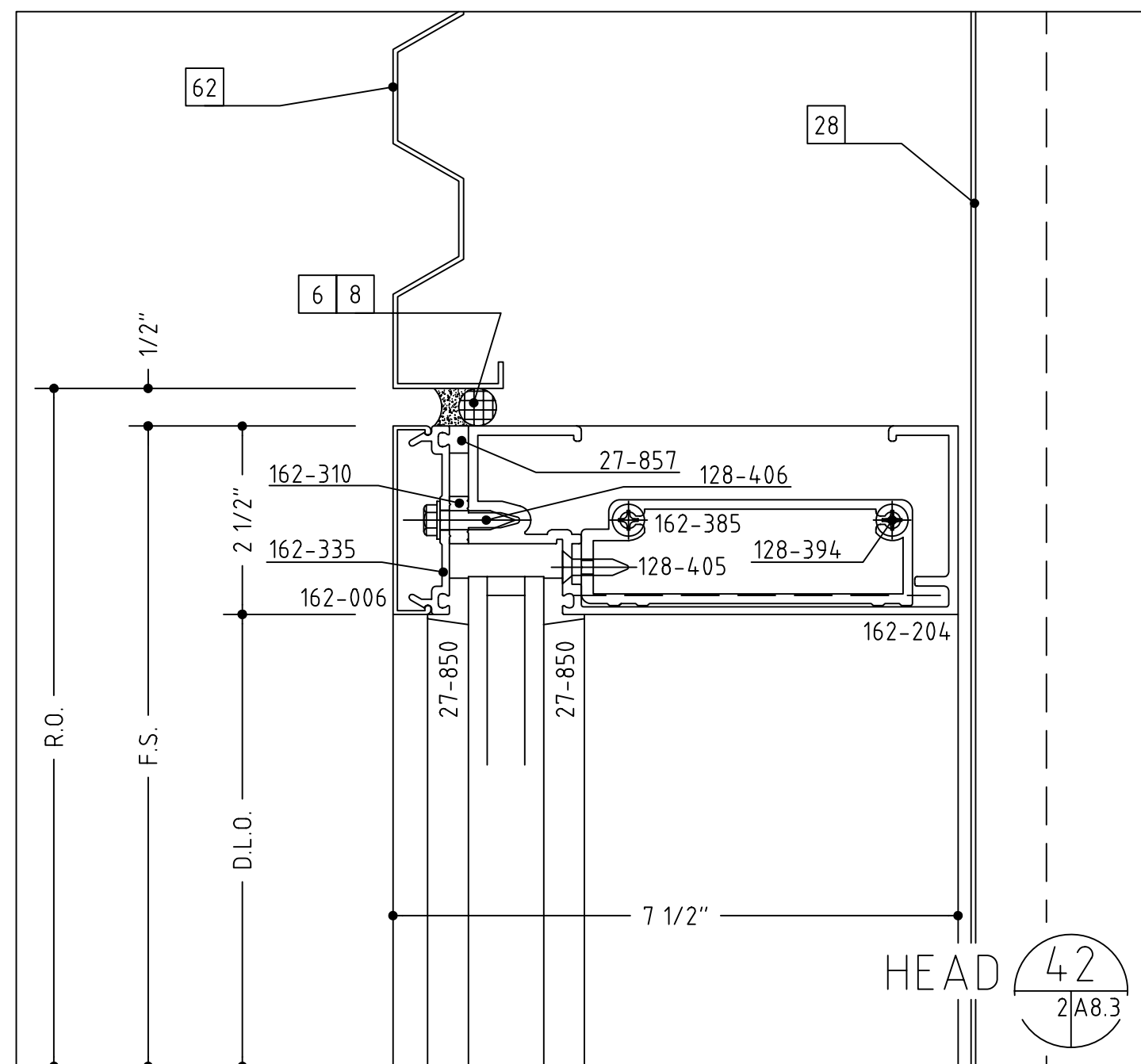
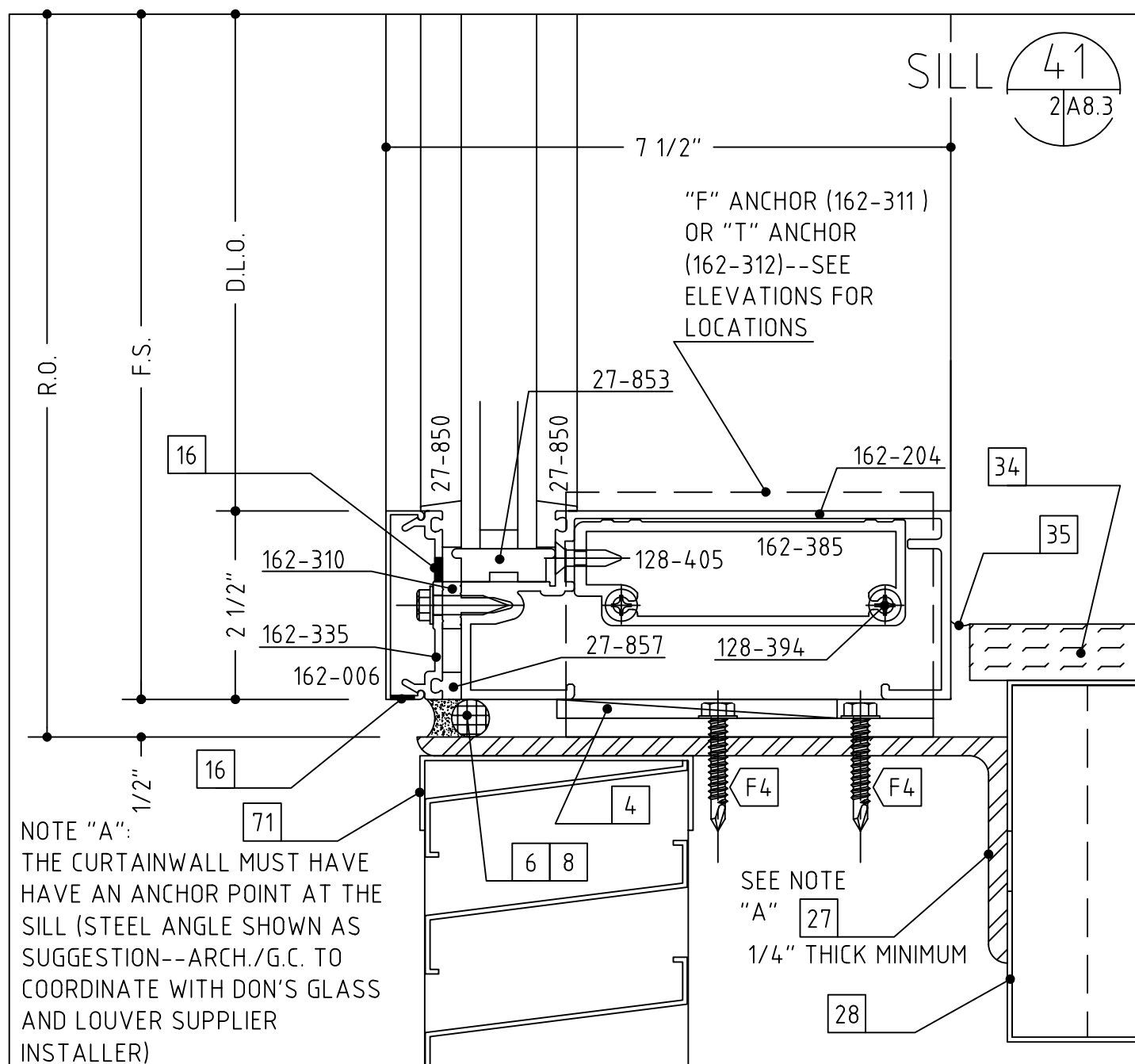
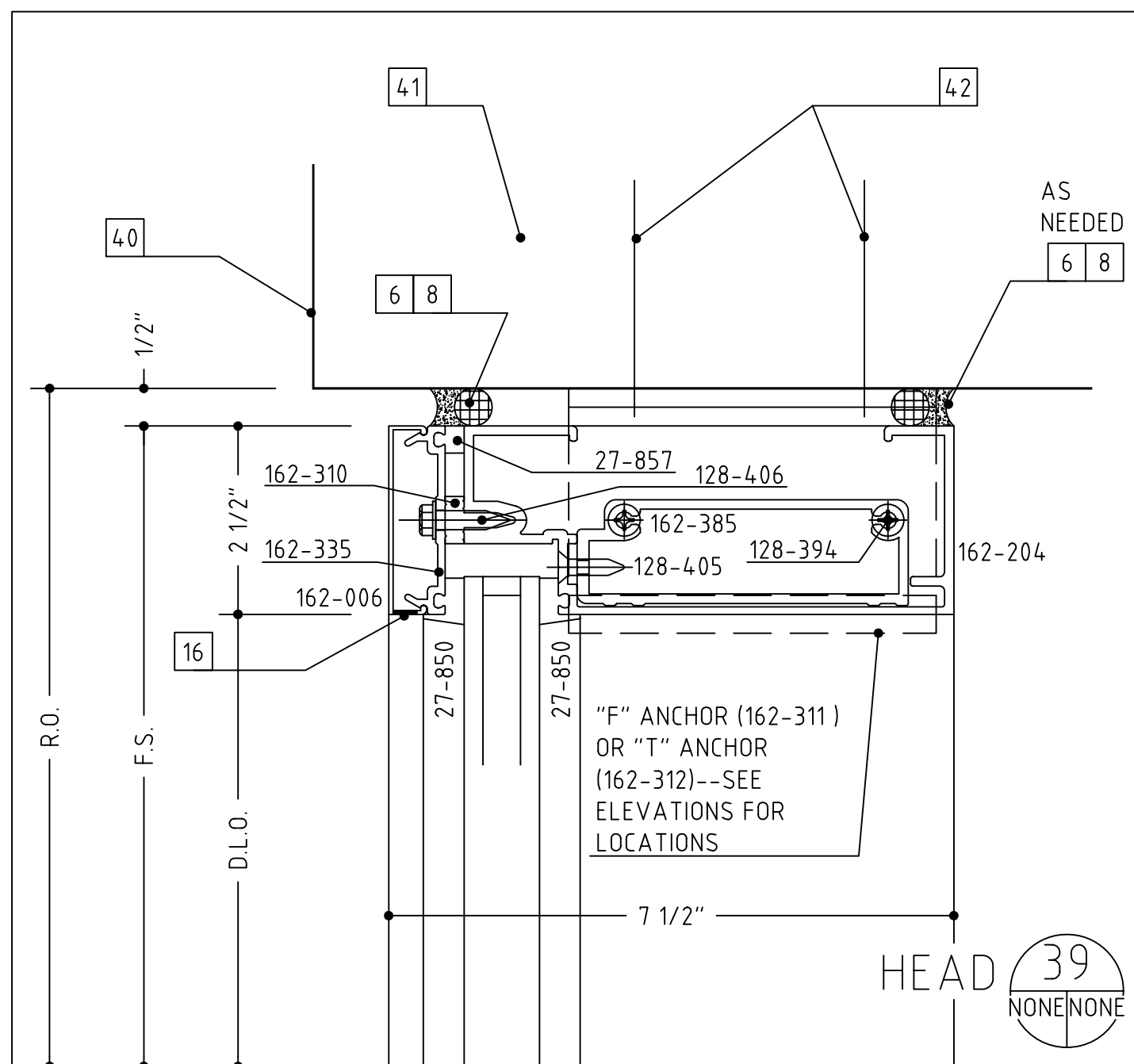
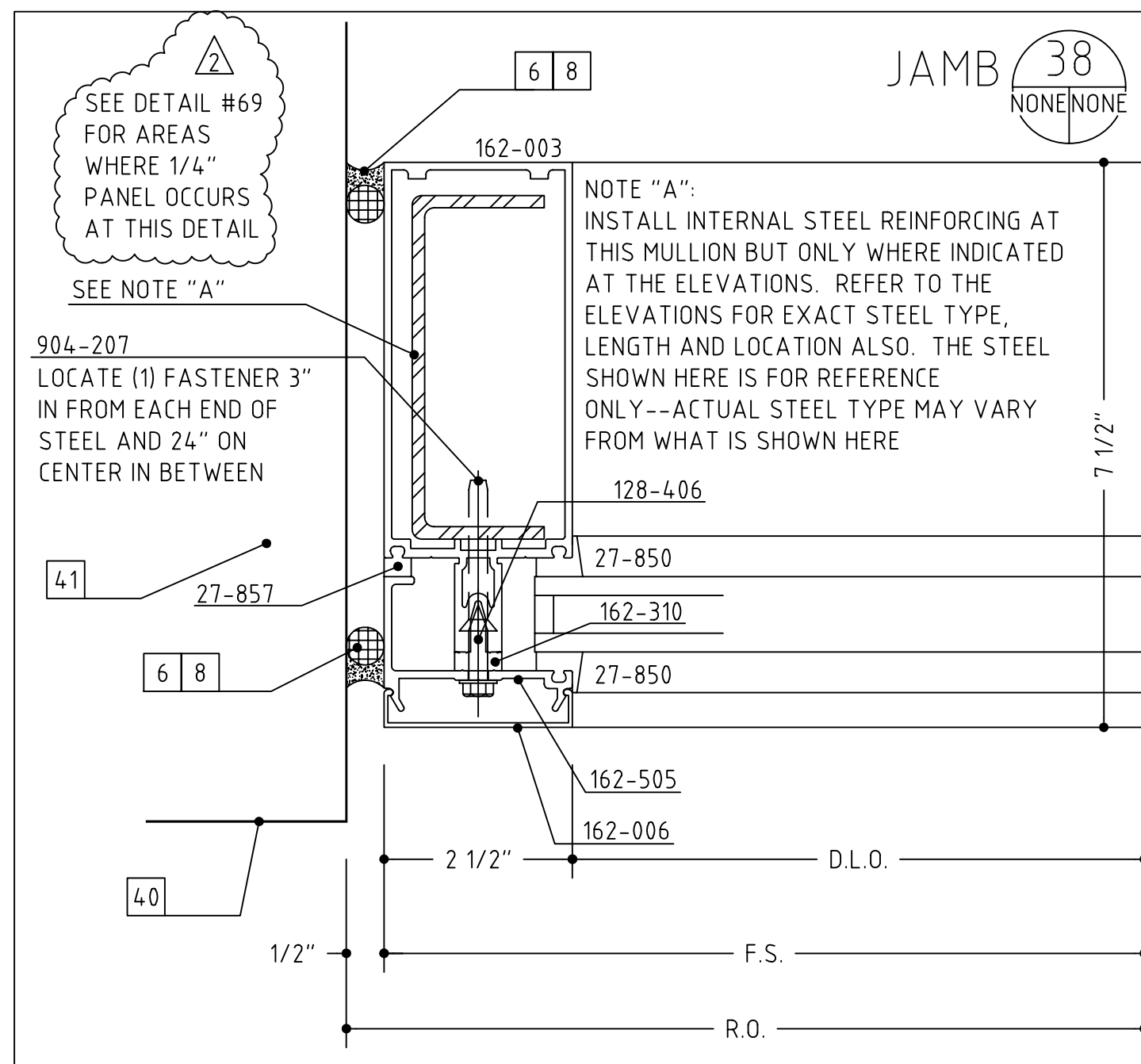
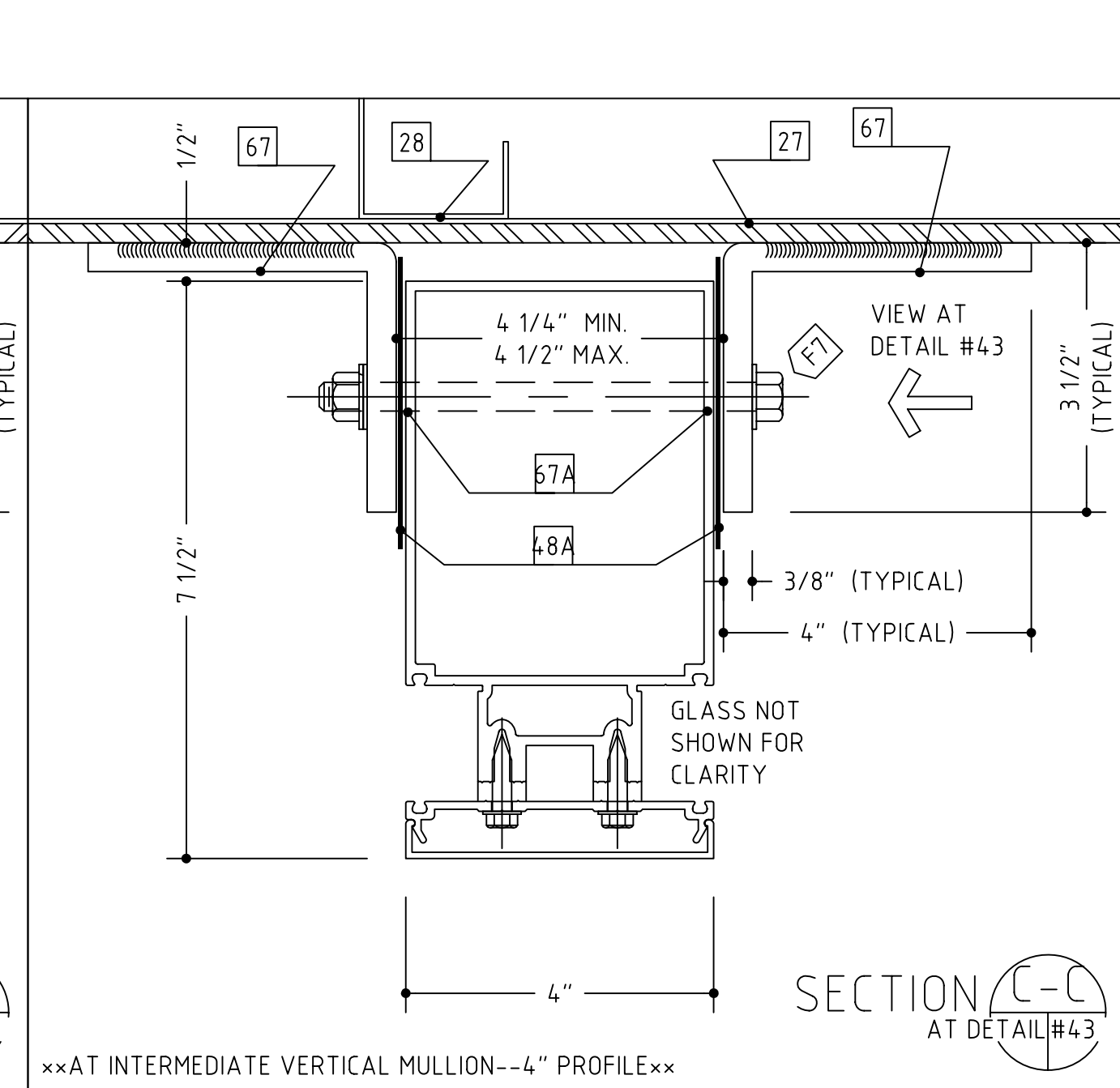
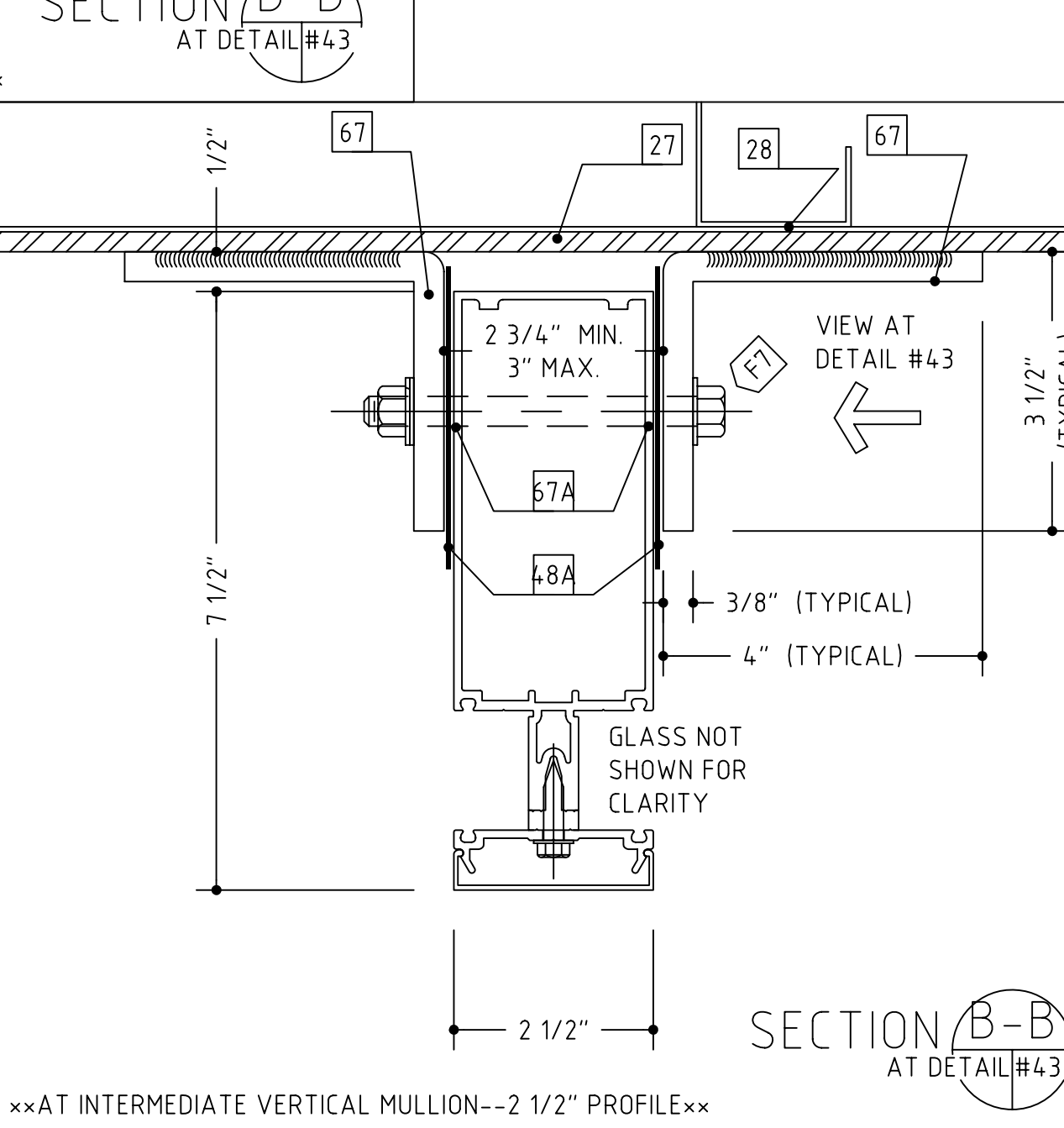
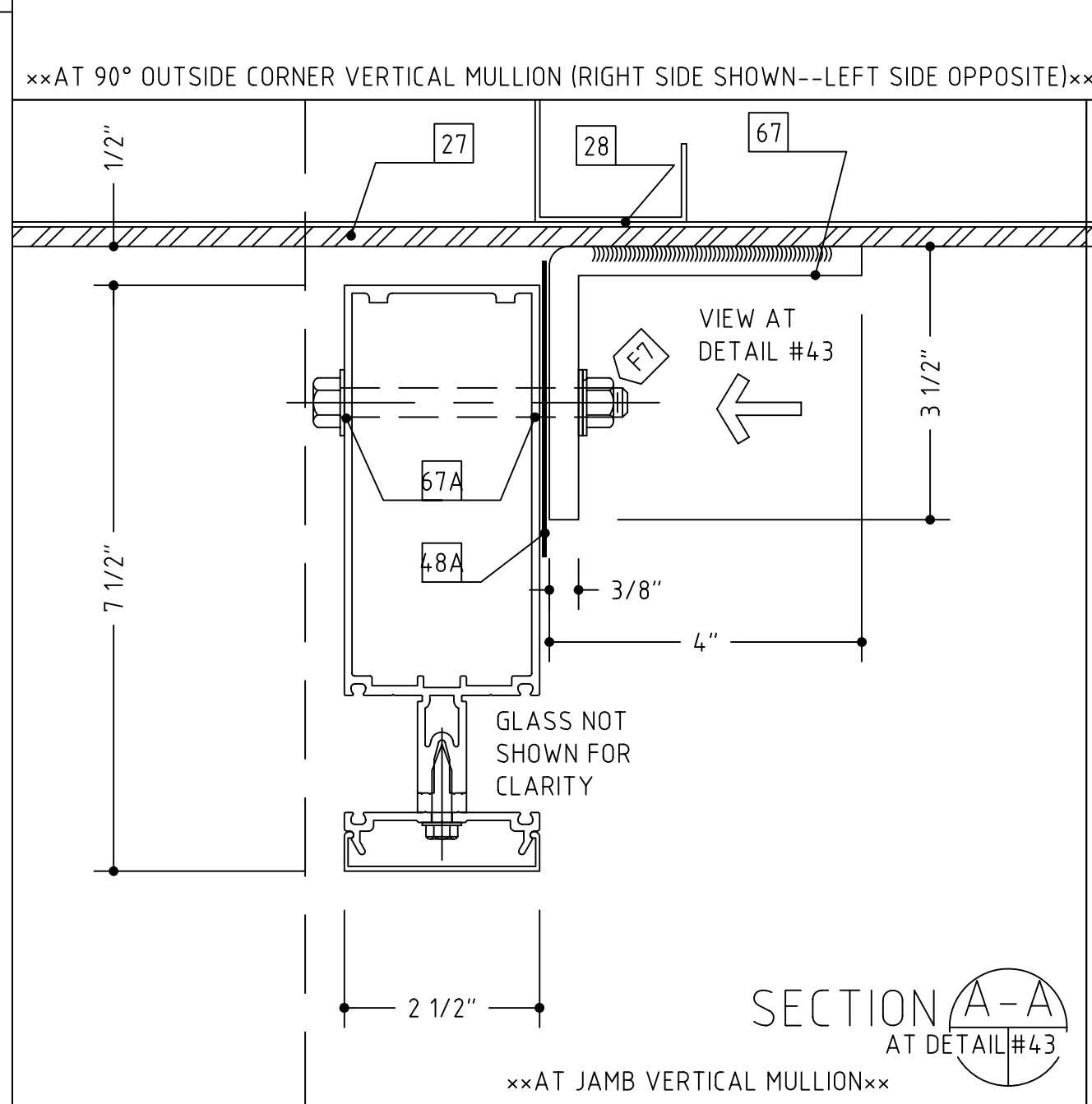
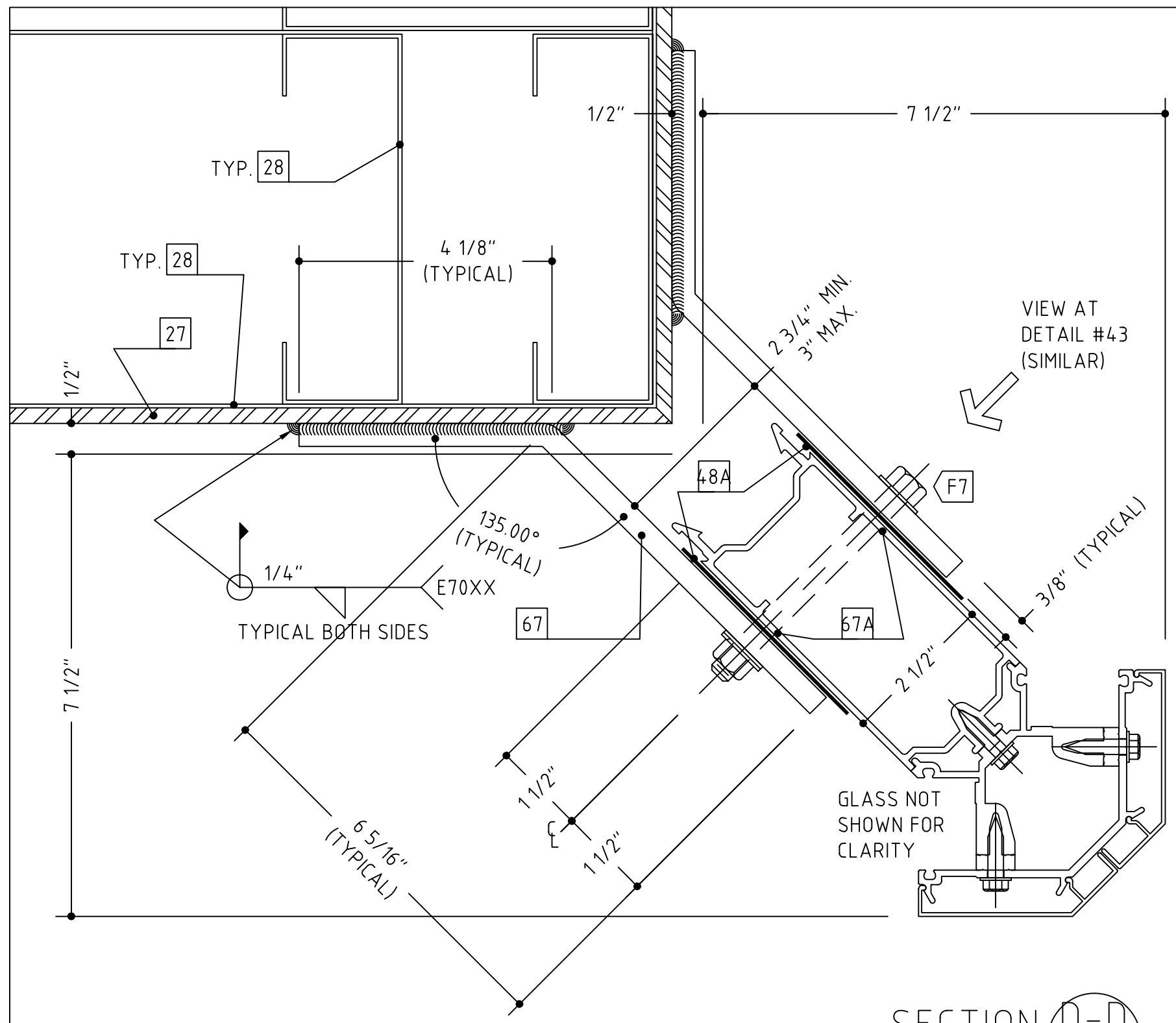
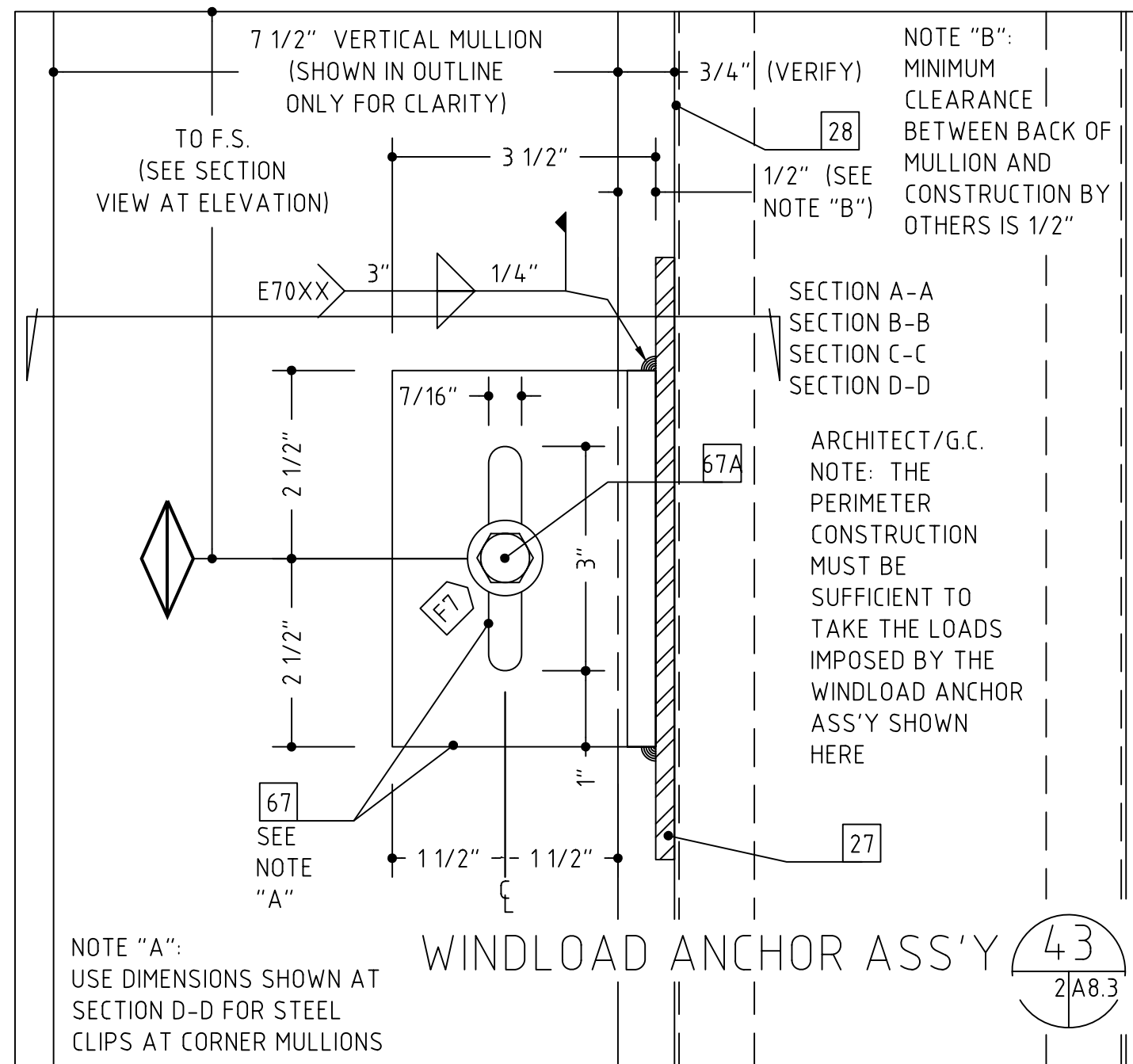
THIS DETAIL IS NO  
LONGER USED ON  
THIS PROJECT



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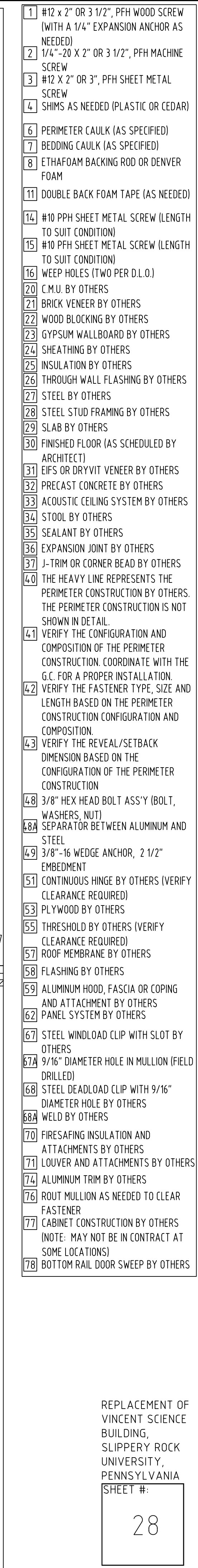


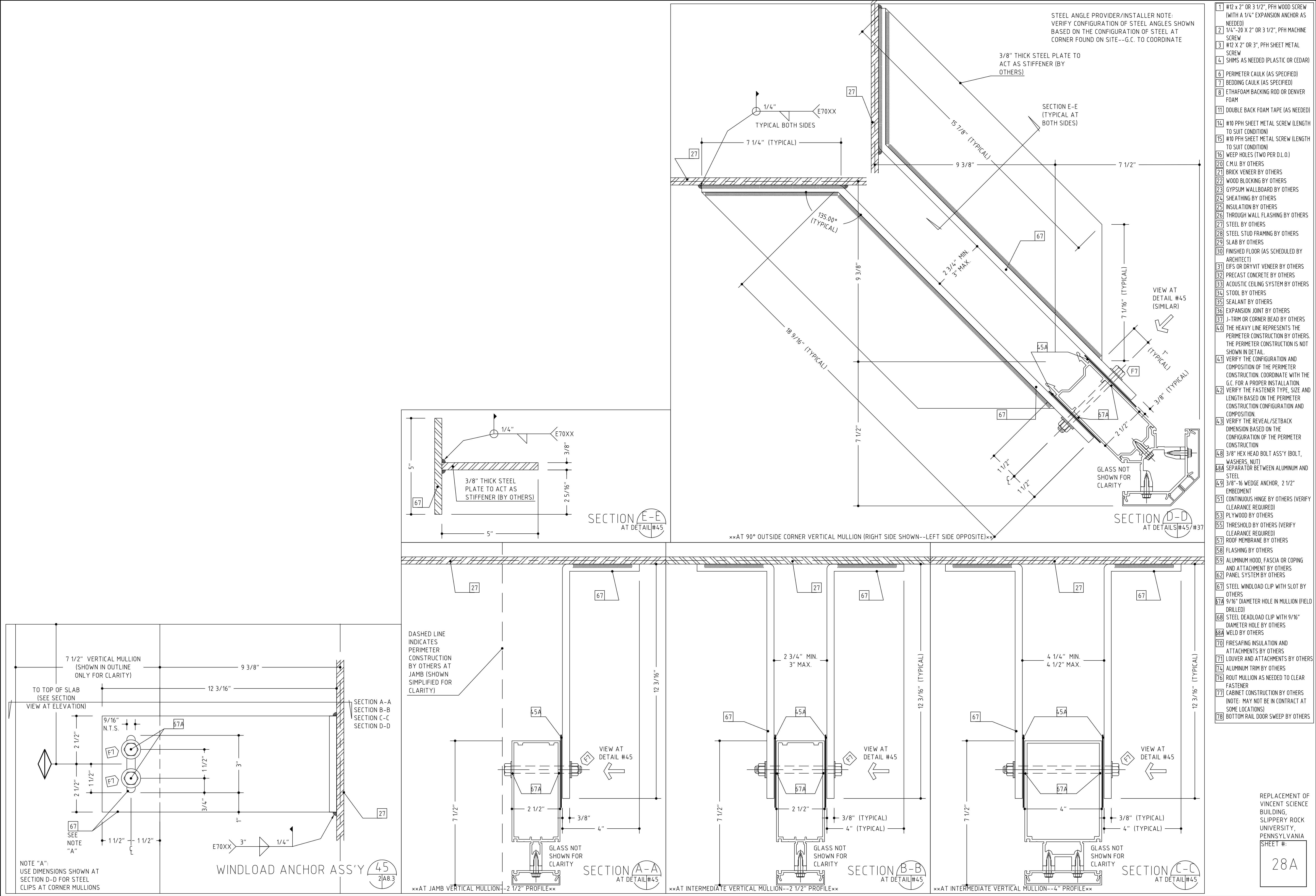




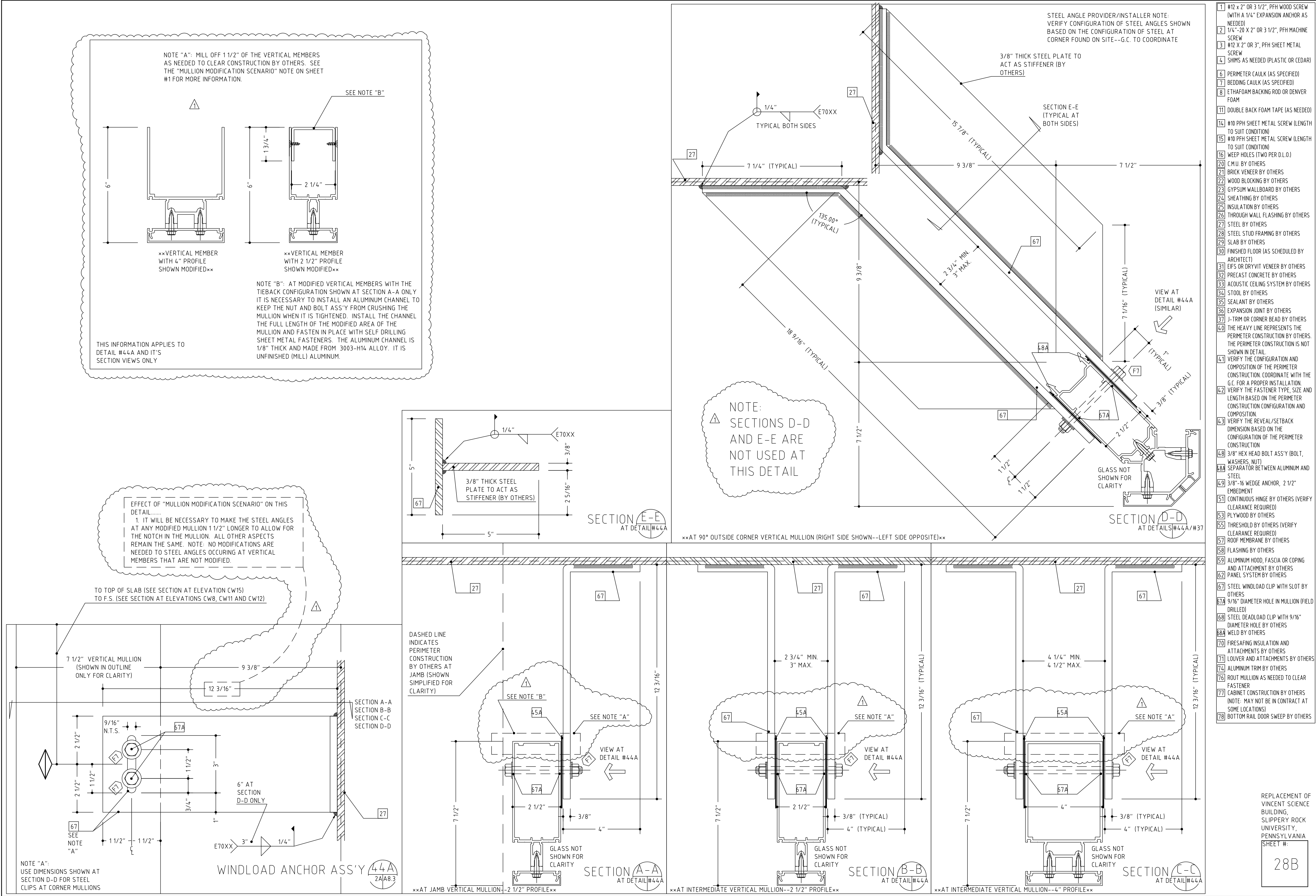
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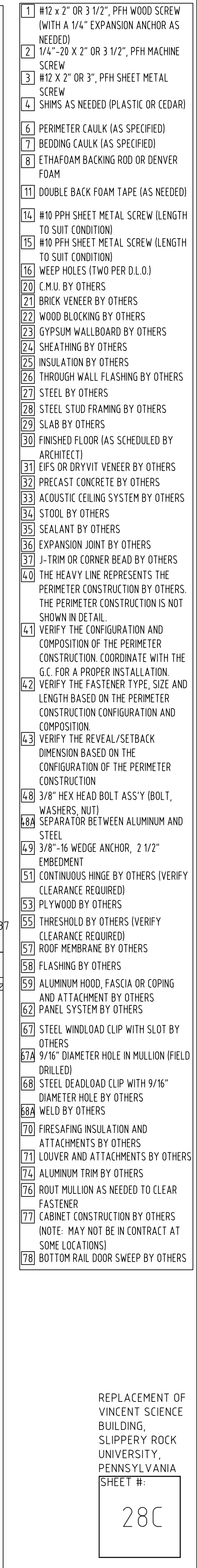
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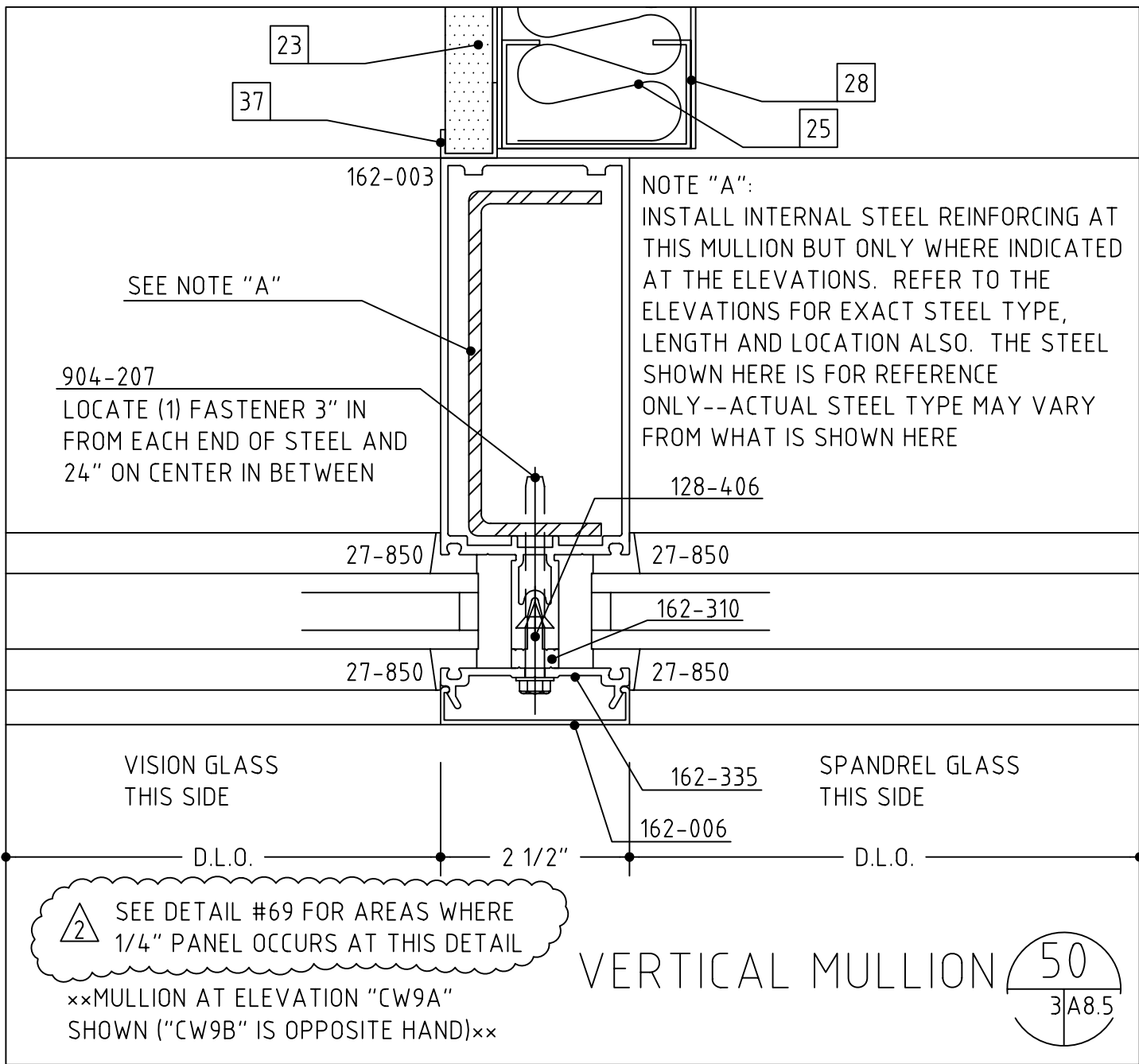
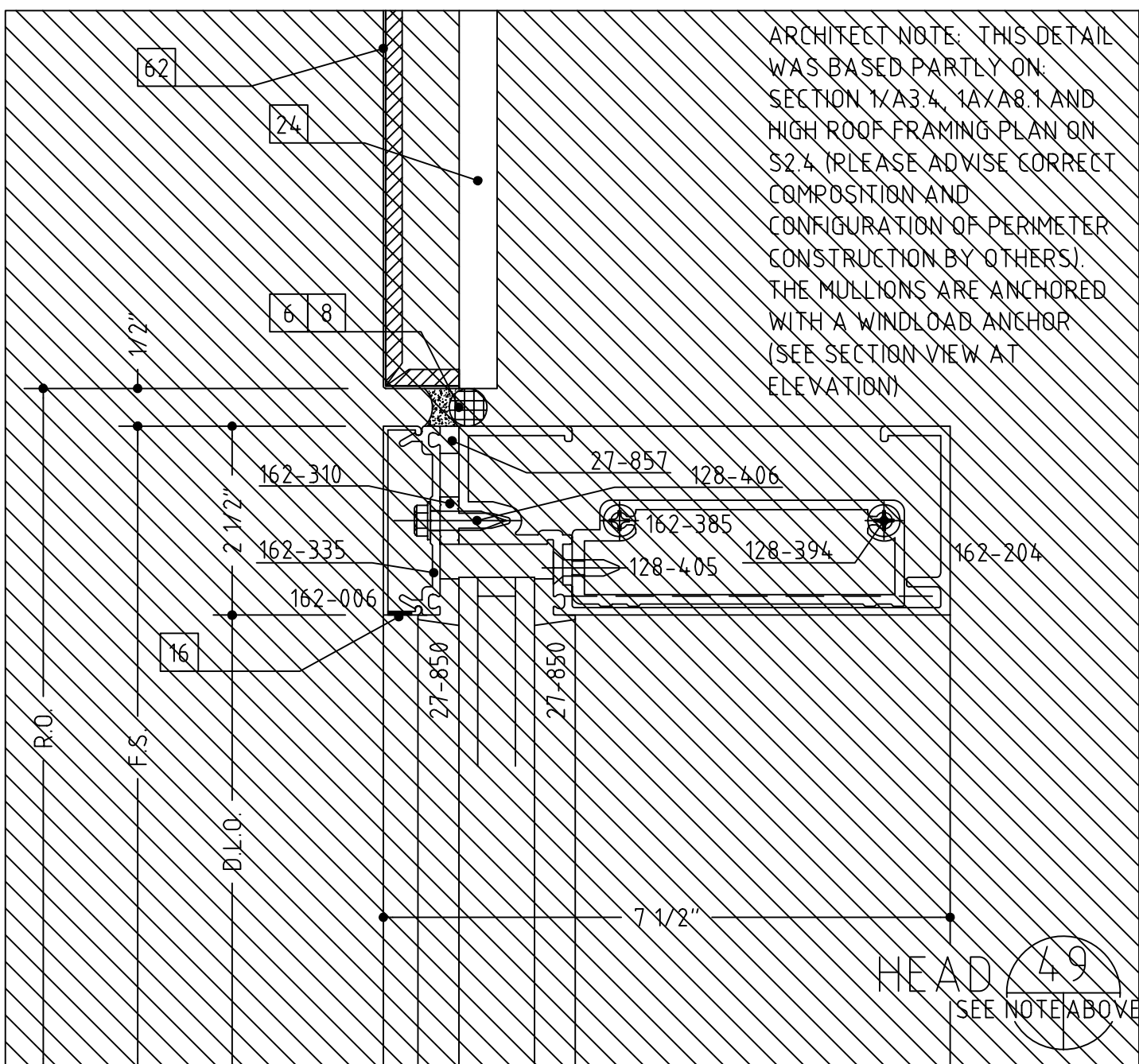
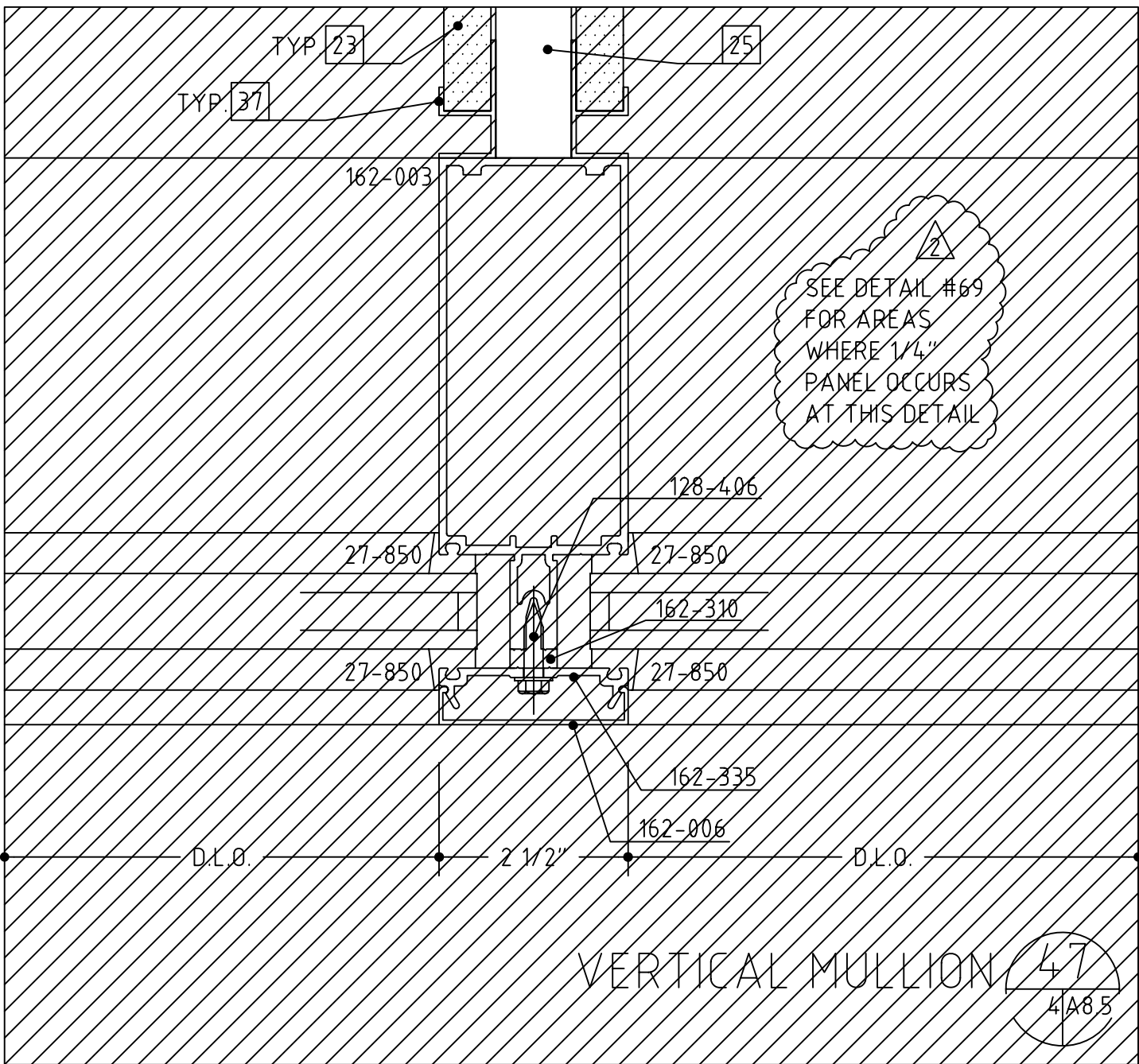
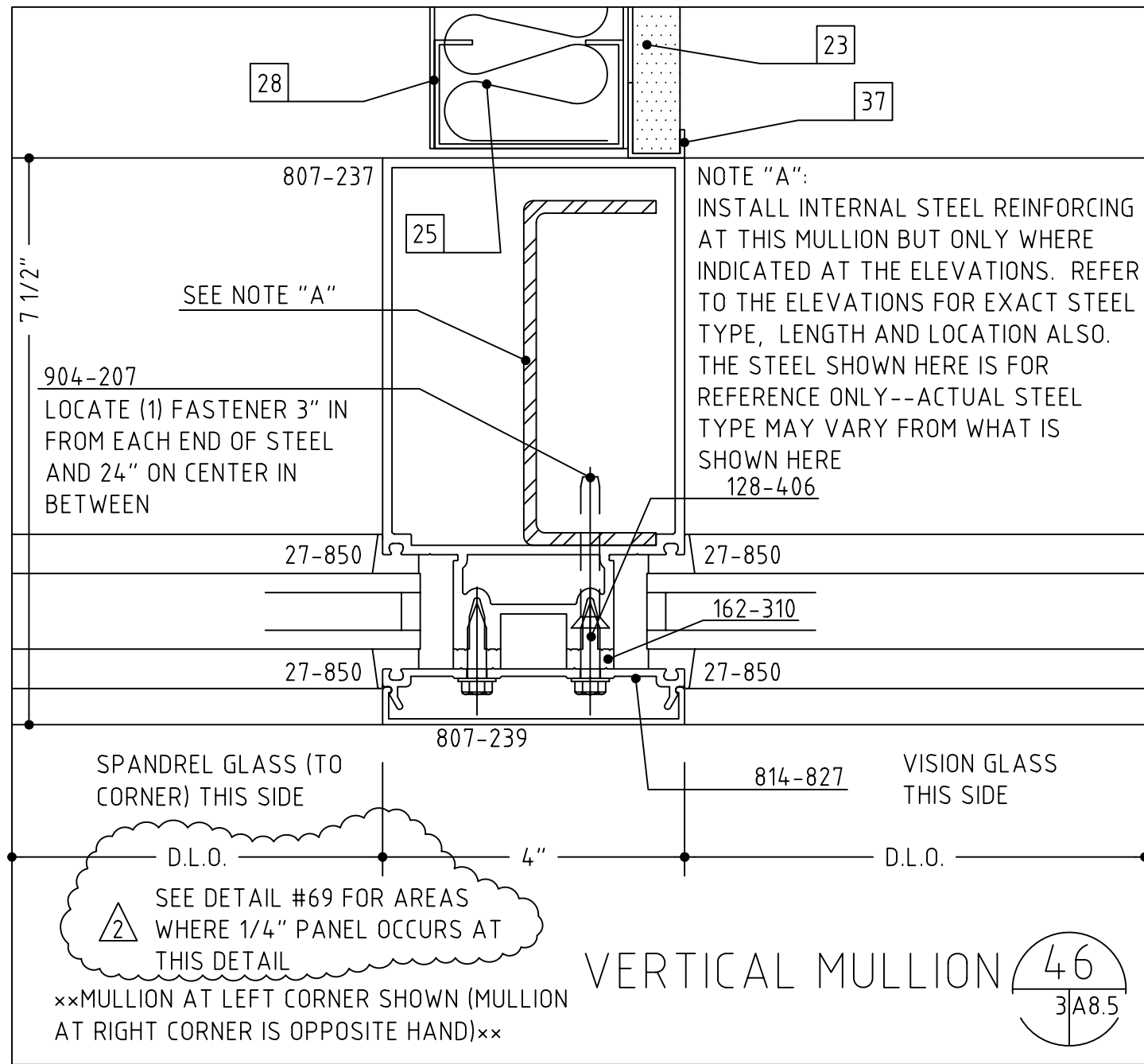


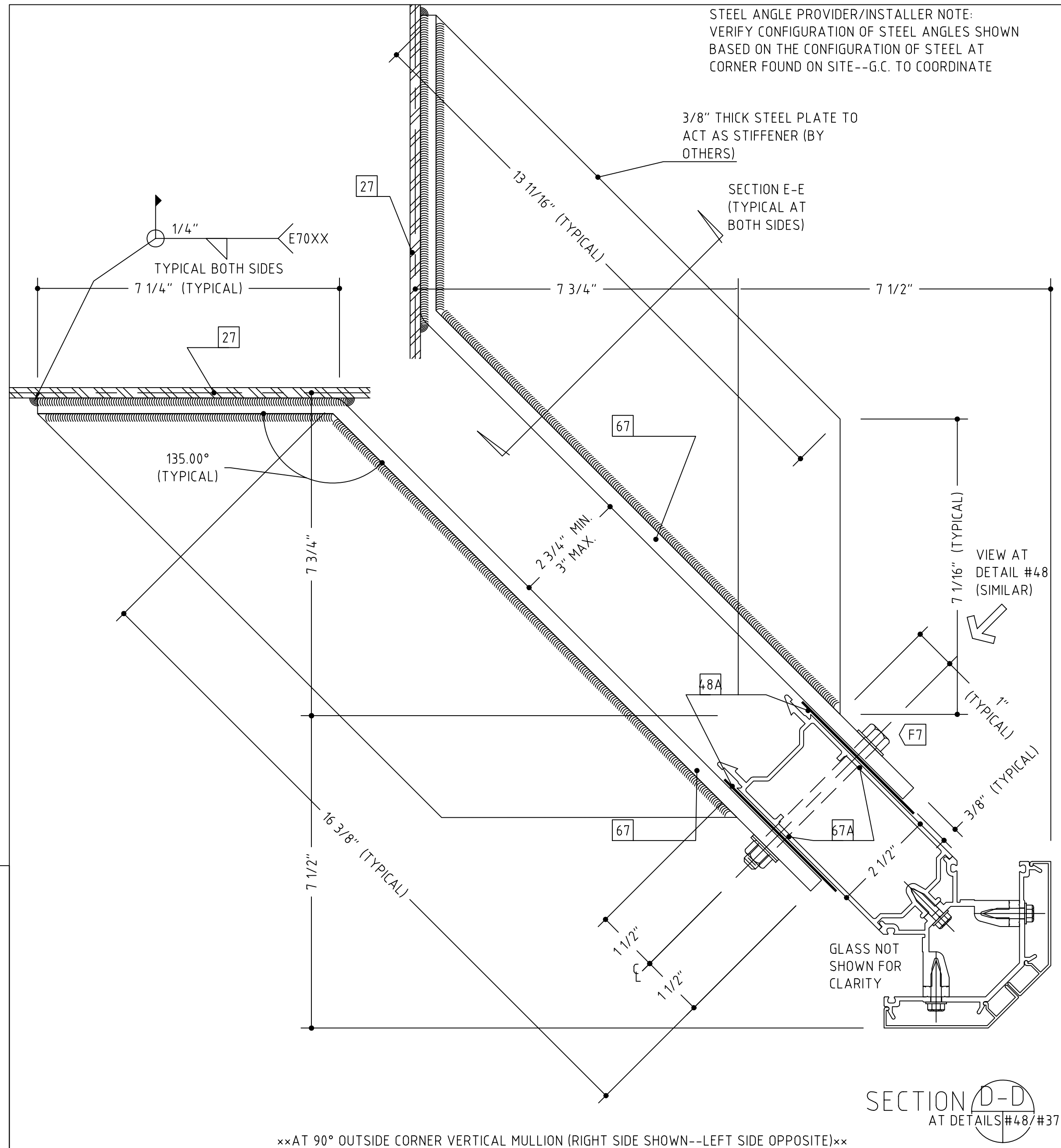
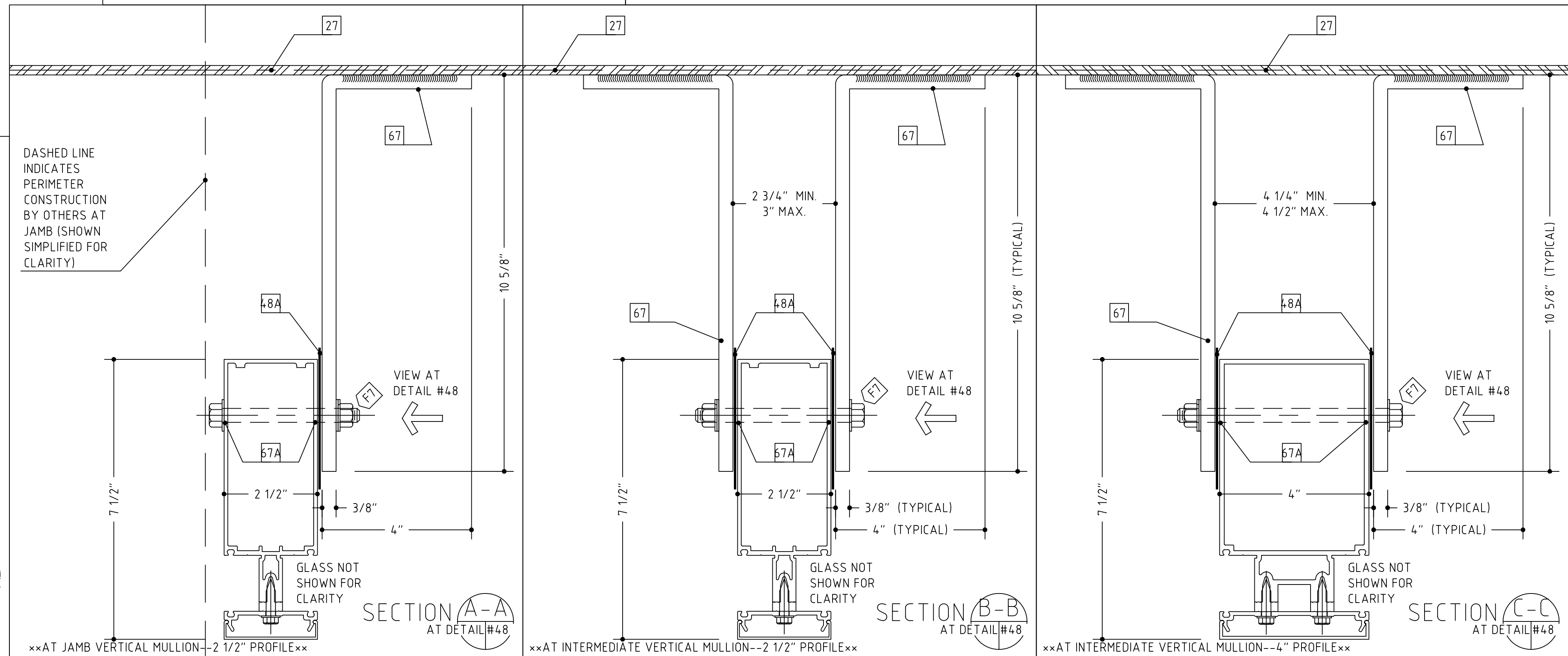








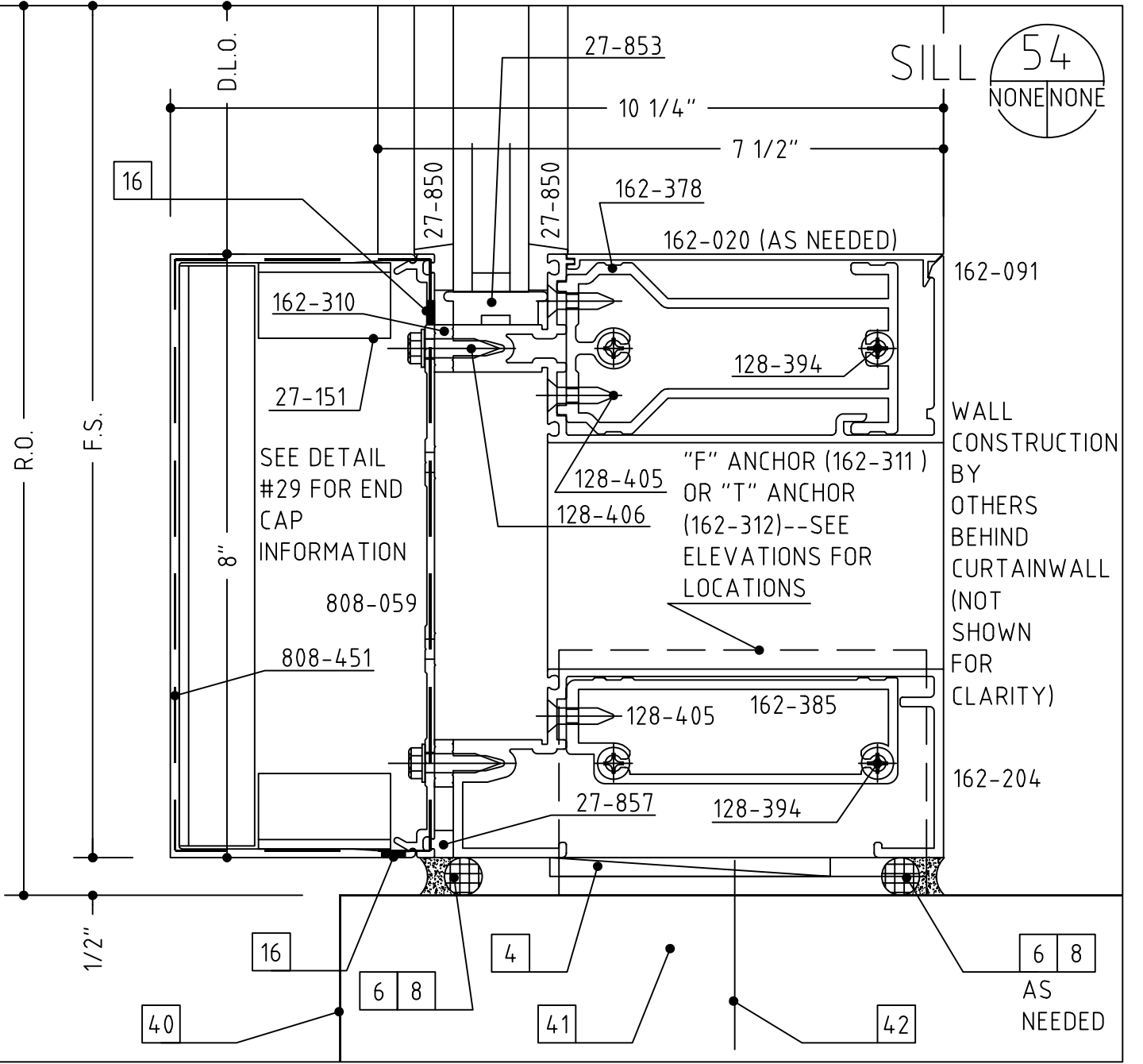
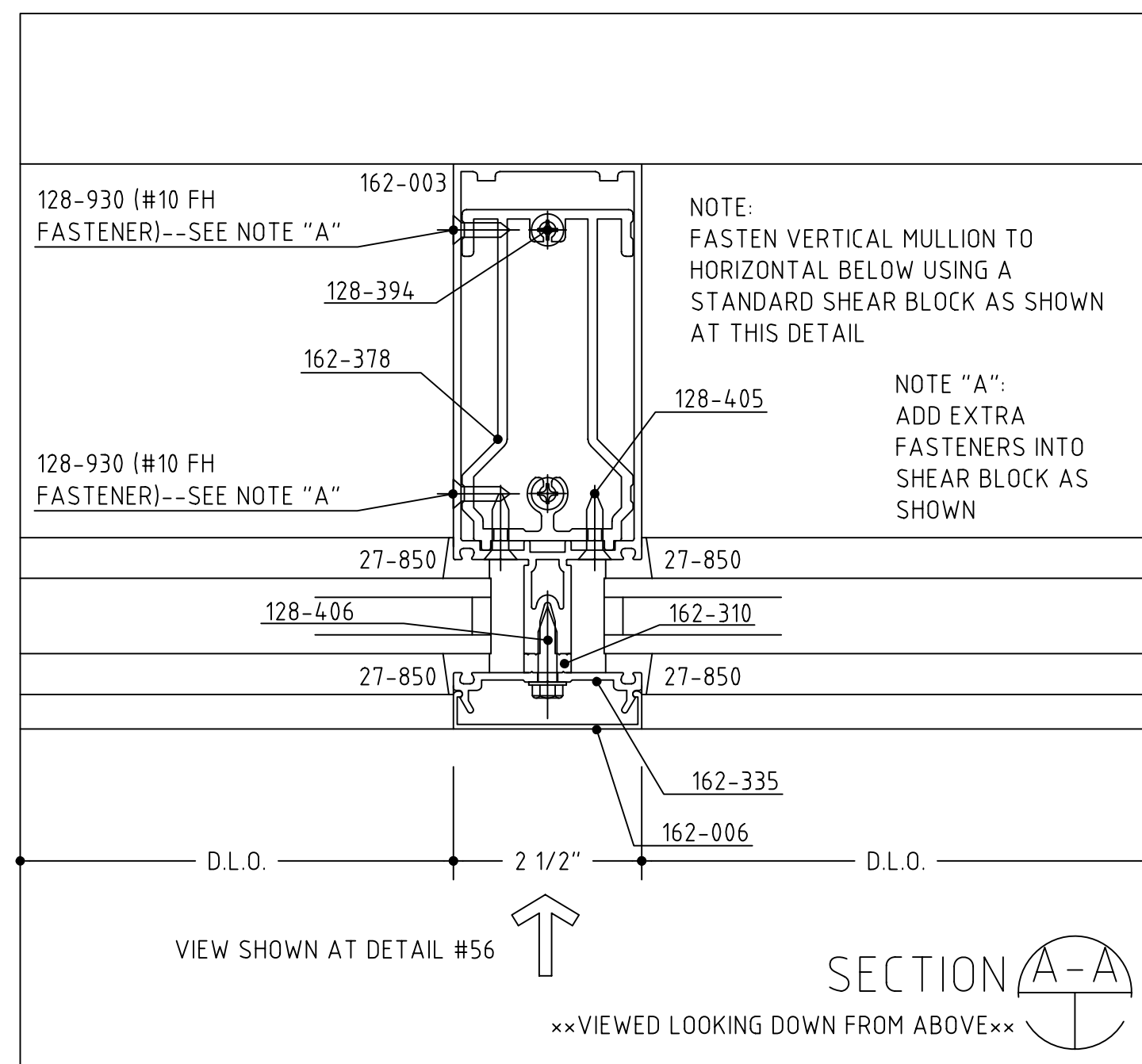
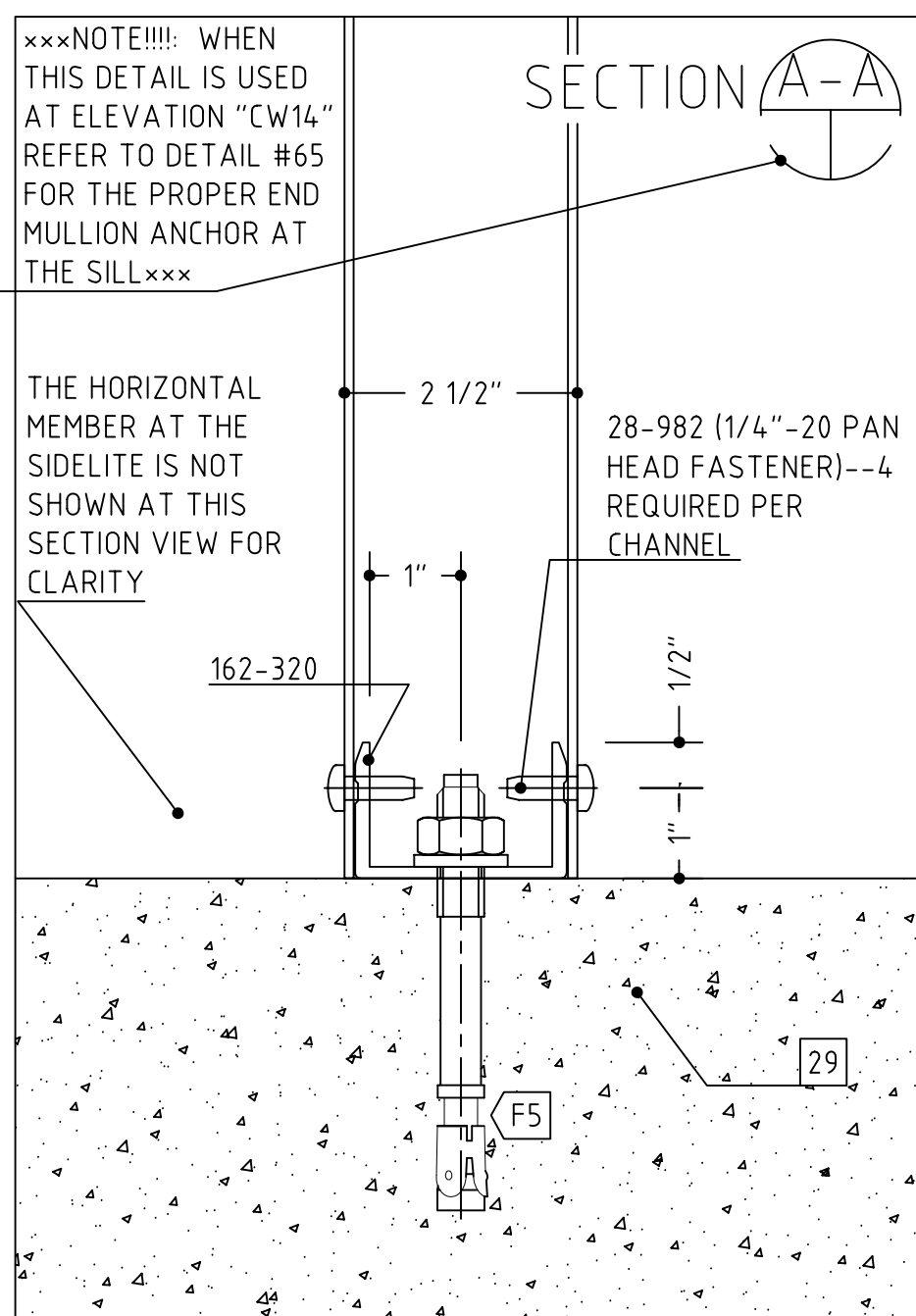


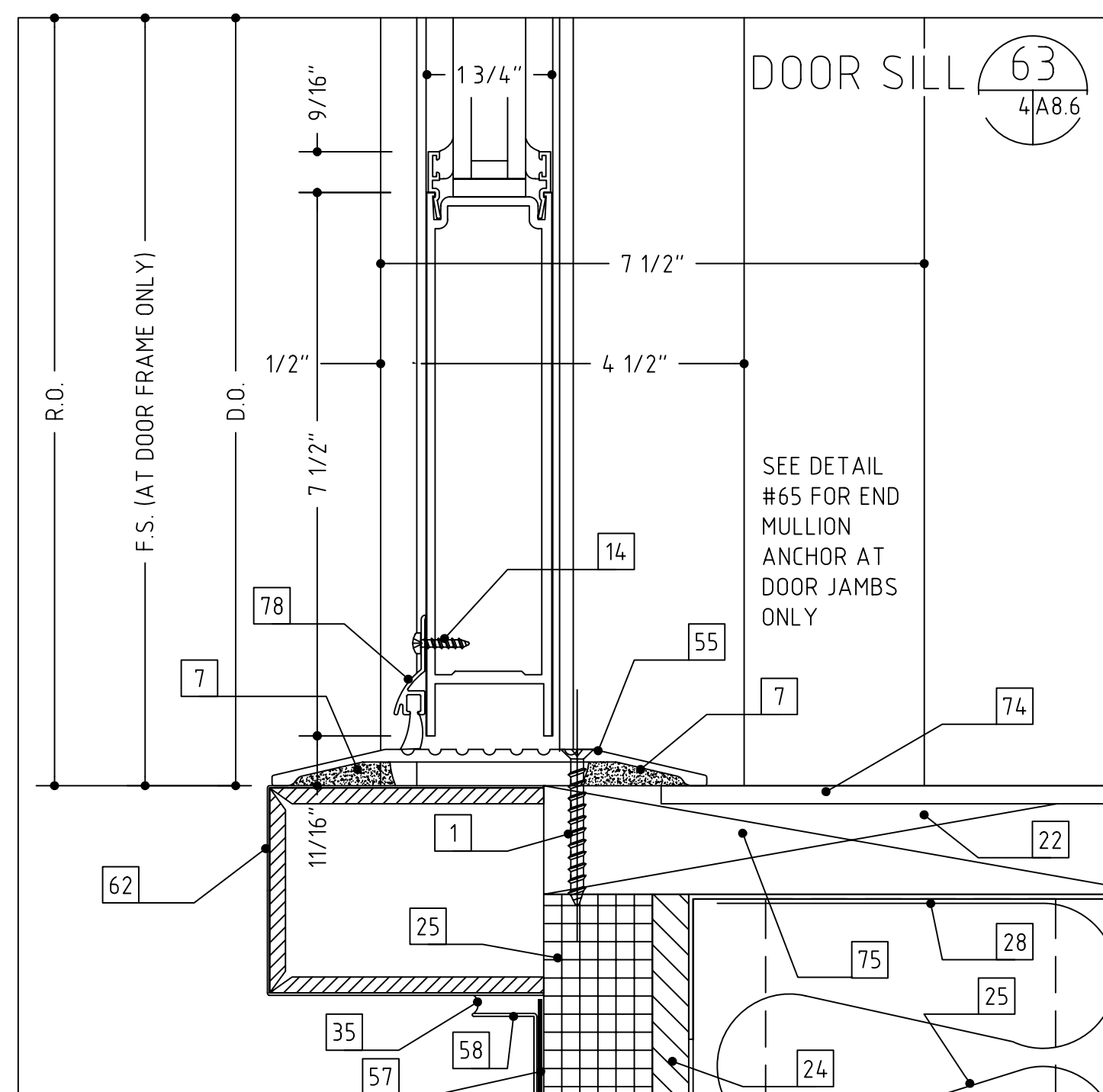
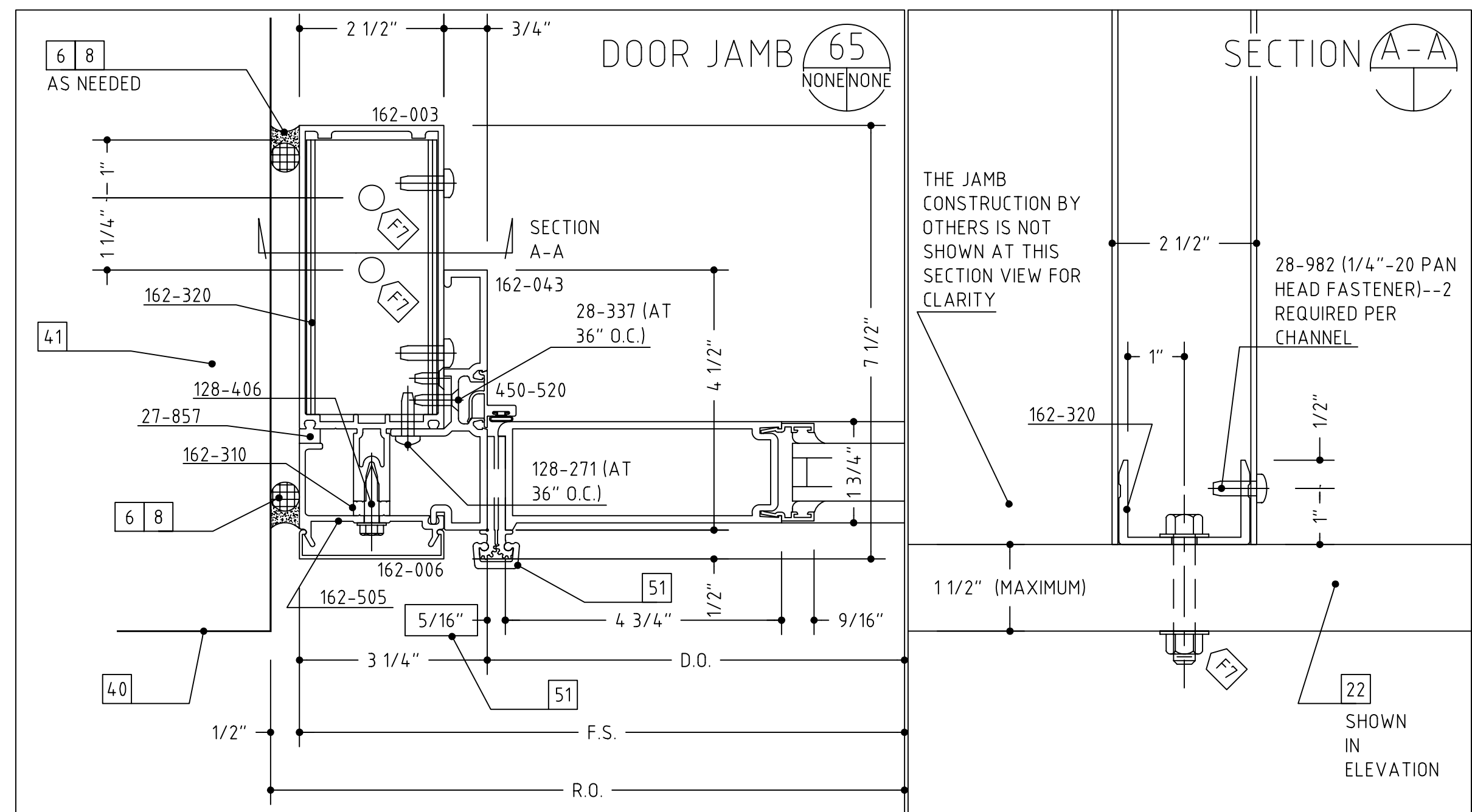
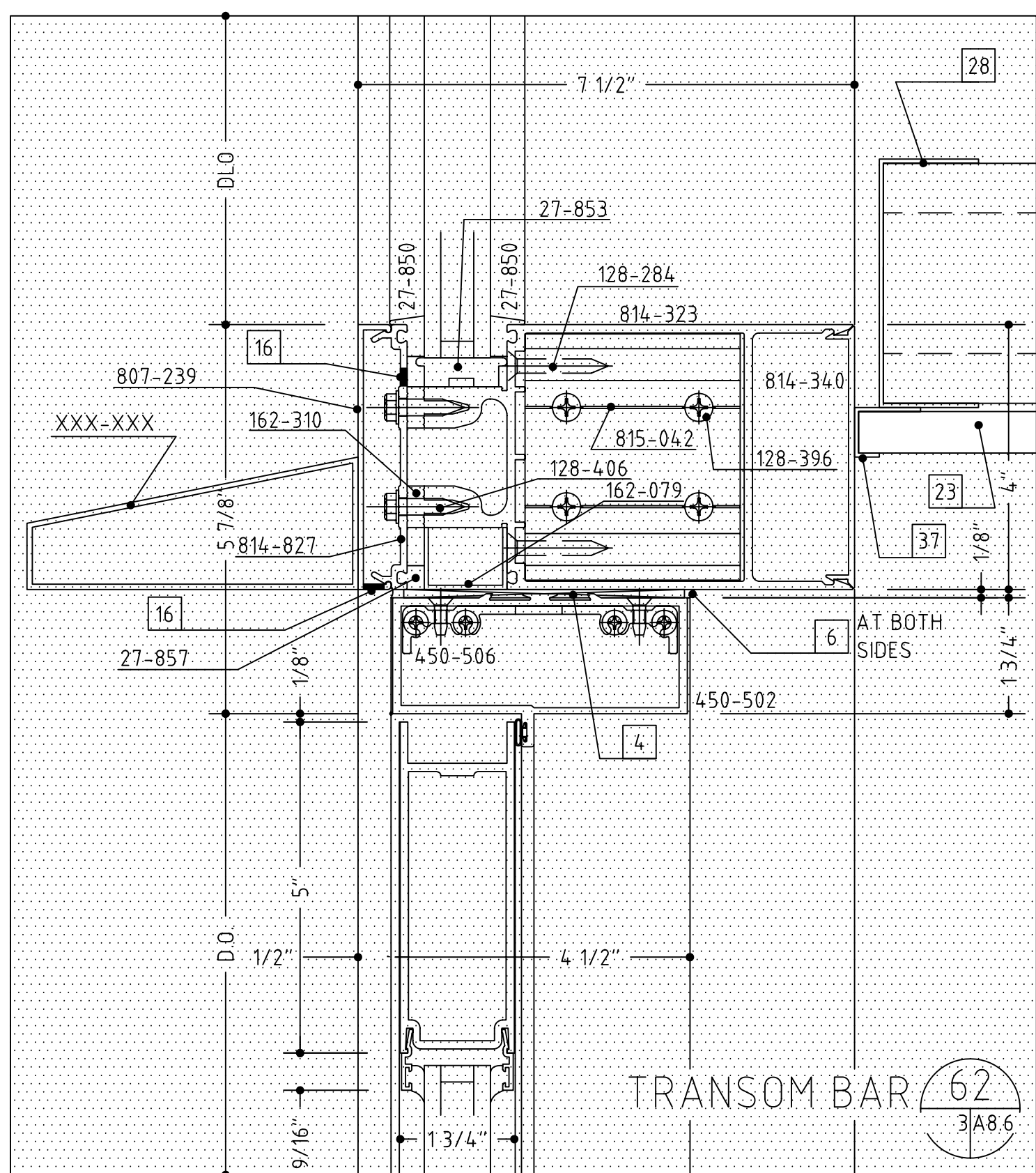
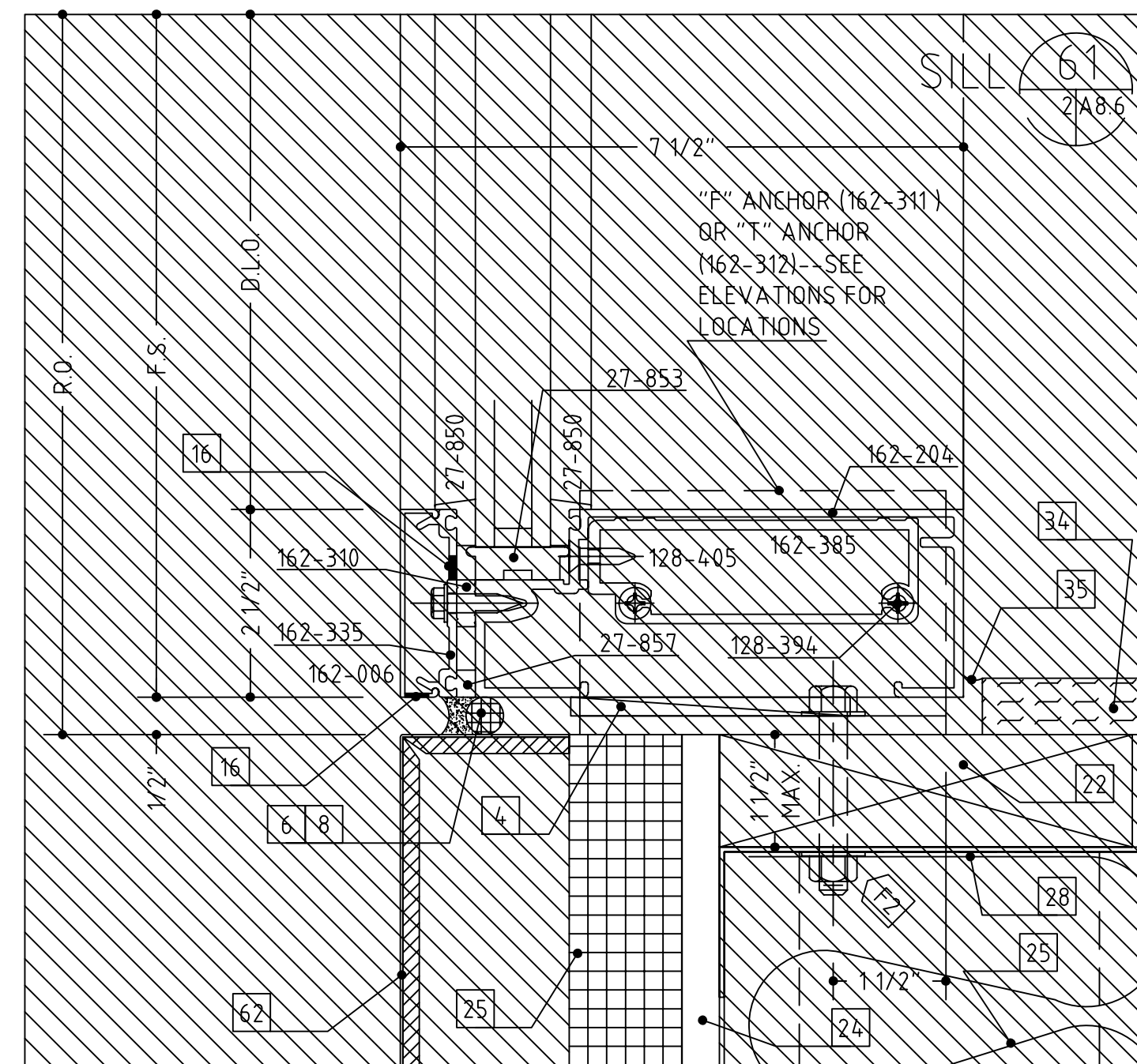


- REPLACEMENT OF  
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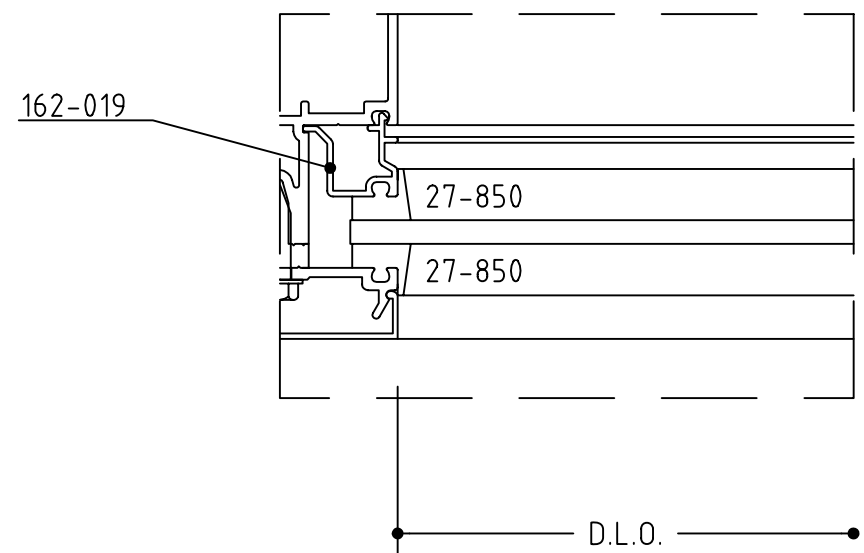
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- 23 GYPSUM WALLBOARD BY OTHERS
- 24 SHEATHING BY OTHERS
- 25 INSULATION BY OTHERS
- 26 THROUGH WALL FLASHING BY OTHERS
- 27 STEEL BY OTHERS
- 28 STEEL STUD FRAMING BY OTHERS
- 29 SLAB BY OTHERS
- 30 FINISHED FLOOR (AS SCHEDULED BY ARCHITECT)
- 31 EIFS OR DRYVIT VENEER BY OTHERS
- 32 PRECAST CONCRETE BY OTHERS
- 33 ACoustIC CEILING SYSTEM BY OTHERS
- 34 STUOL BY OTHERS
- 35 SEALANT BY OTHERS
- 36 EXPANSION JOINT BY OTHERS
- 37 J-T-TRIM OR CORNER BEAD BY OTHERS
- 40 THE HEAVY LINE REPRESENTS THE PERIMETER CONSTRUCTION BY OTHERS. THE PERIMETER CONSTRUCTION IS NOT SHOWN IN DETAIL.
- 41 VERIFY THE CONFIGURATION AND COMPOSITION OF THE PERIMETER CONSTRUCTION. COORDINATE WITH THE G.C. FOR A PROPER INSTALLATION.
- 42 VERIFY THE FASTENER TYPE, SIZE AND LENGTH BASED ON THE PERIMETER CONSTRUCTION CONFIGURATION AND COMPOSITION
- 43 VERIFY THE REVEAL/SETBACK DIMENSION BASED ON THE CONFIGURATION OF THE PERIMETER CONSTRUCTION
- 48 3/8" HEX HEAD BOLT ASS'Y (BOLT, WASHERS, NUT)
- 48A SEPARATOR BETWEEN ALUMINUM AND STEEL
- 49 3/8"-16 WEDGE ANCHOR, 2 1/2" EMBEDMENT
- 51 CONTINUOUS HINGE BY OTHERS (VERIFY CLEARANCE REQUIRED)
- 53 PLYWOOD BY OTHERS
- 55 THRESHOLD BY OTHERS (VERIFY CLEARANCE REQUIRED)
- 57 ROOF MEMBRANE BY OTHERS
- 58 FLASHING BY OTHERS
- 59 ALUMINUM HOOD, FASCIA OR COPING AND ATTACHMENT BY OTHERS
- 62 PANEL SYSTEM BY OTHERS
- 67 STEEL WINDOW CLIP WITH SLOT BY OTHERS
- 67A 9/16" DIAMETER HOLE IN MULLION (IF FIELD DRILLED)
- 68 STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
- 68A WELD BY OTHERS
- 70 FIRE-RATING INSULATION AND ATTACHMENTS BY OTHERS
- 71 LOUVER AND ATTACHMENTS BY OTHERS
- 74 ALUMINUM TRIM BY OTHERS
- 76 ROUT MULLION AS NEEDED TO CLEAR FASTENER
- 77 CABINET CONSTRUCTION BY OTHERS (NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS)
- 78 BOTTOM RAIL DOOR SWEEP BY OTHERS





- 1 #12 X 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS NEEDED)
- 2 1/4" X 2" X 2" OR 3 1/2", PFH MACHINE SCREW
- 3 #12 X 2" OR 3", PFH SHEET METAL SCREW
- 4 SHIMS AS NEEDED (PLASTIC OR CEDAR)
- 6 PERIMETER CAULK (AS SPECIFIED)
- 7 BEDDING CAULK (AS SPECIFIED)
- 8 ETHAFOAM BACKING ROD OR DENVER FOAM
- 11 DOUBLE BACK FOAM TAPE (AS NEEDED)
- 14 #10 PFH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- 15 #10 PFH SHEET METAL SCREW (LENGTH TO SUIT CONDITION)
- 16 WEEP HOLES (TWO PER D.L.O.)
- 20 C.M.U. BY OTHERS
- 21 BRICK VENEER BY OTHERS
- 22 WOOD BLOCKING BY OTHERS
- 23 GYPSUM WALLBOARD BY OTHERS
- 24 SHEATHING BY OTHERS
- 25 INSULATION BY OTHERS
- 26 THROUGH WALL FLASHING BY OTHERS
- 27 STEEL BY OTHERS
- 28 STEEL STUD FRAMING BY OTHERS
- 29 SLAB BY OTHERS
- 30 FINISHED FLOOR (AS SCHEDULED BY ARCHITECT)
- 31 EIFS OR DRYVET VENEER BY OTHERS
- 32 PRECAST CONCRETE BY OTHERS
- 33 ACOUSTIC CEILING SYSTEM BY OTHERS
- 34 STOOL BY OTHERS
- 35 SEALANT BY OTHERS
- 36 EXPANSION JOINT BY OTHERS
- 37 J-TIMR OR CORNER BEAD BY OTHERS
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- 53 PLYWOOD BY OTHERS
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- 59 ALUMINUM HOOD, FASCIA OR COPING AND ATTACHMENT BY OTHERS
- 62 PANEL SYSTEM BY OTHERS
- 63 STEEL WINDOW/LAMP CLIP WITH SLOT BY OTHERS
- 67A 9/16" DIAMETER HOLE IN MULLION (FIELD DRILLED)
- 68 STEEL DEAD/LAMP CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
- 68A WELD BY OTHERS
- 70 WREAPING INSULATION AND ATTACHMENTS BY OTHERS
- 71 LOUVER AND ATTACHMENTS BY OTHERS
- 74 ALUMINUM TRIM BY OTHERS
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- 78 CABINET CONSTRUCTION BY OTHERS (NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS)
- 78 BOTTOM RAIL DOOR SWEEP BY OTHERS

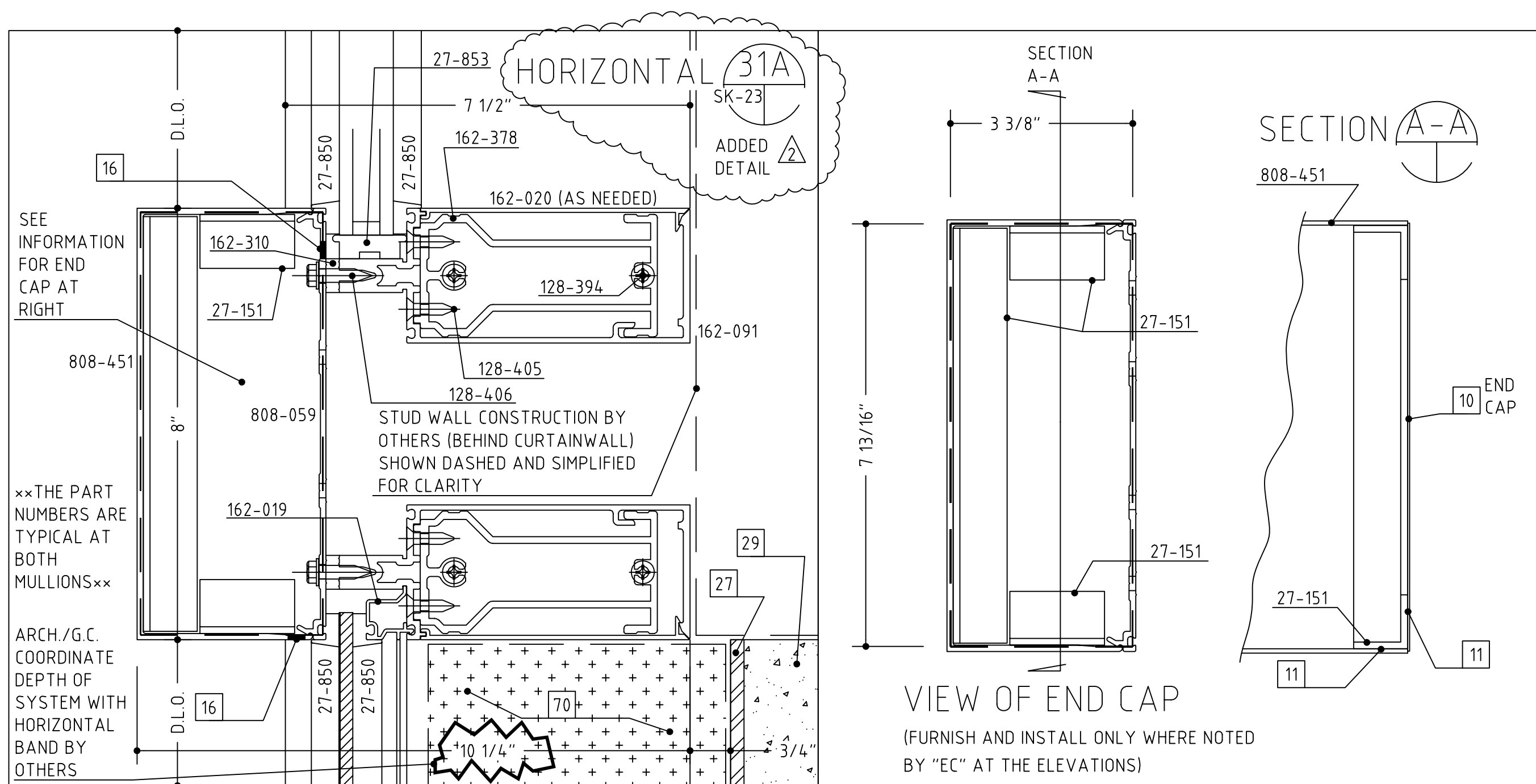
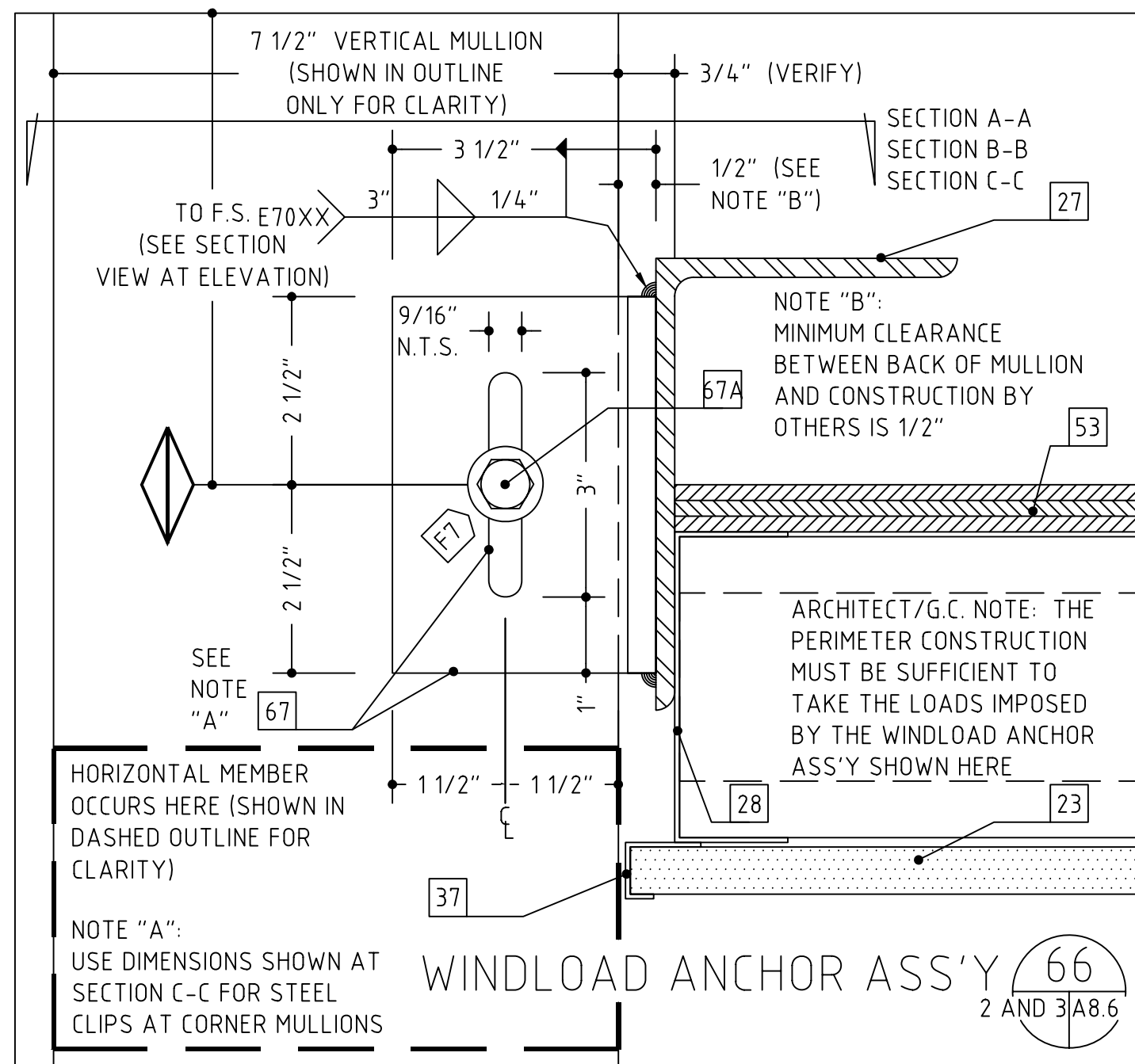
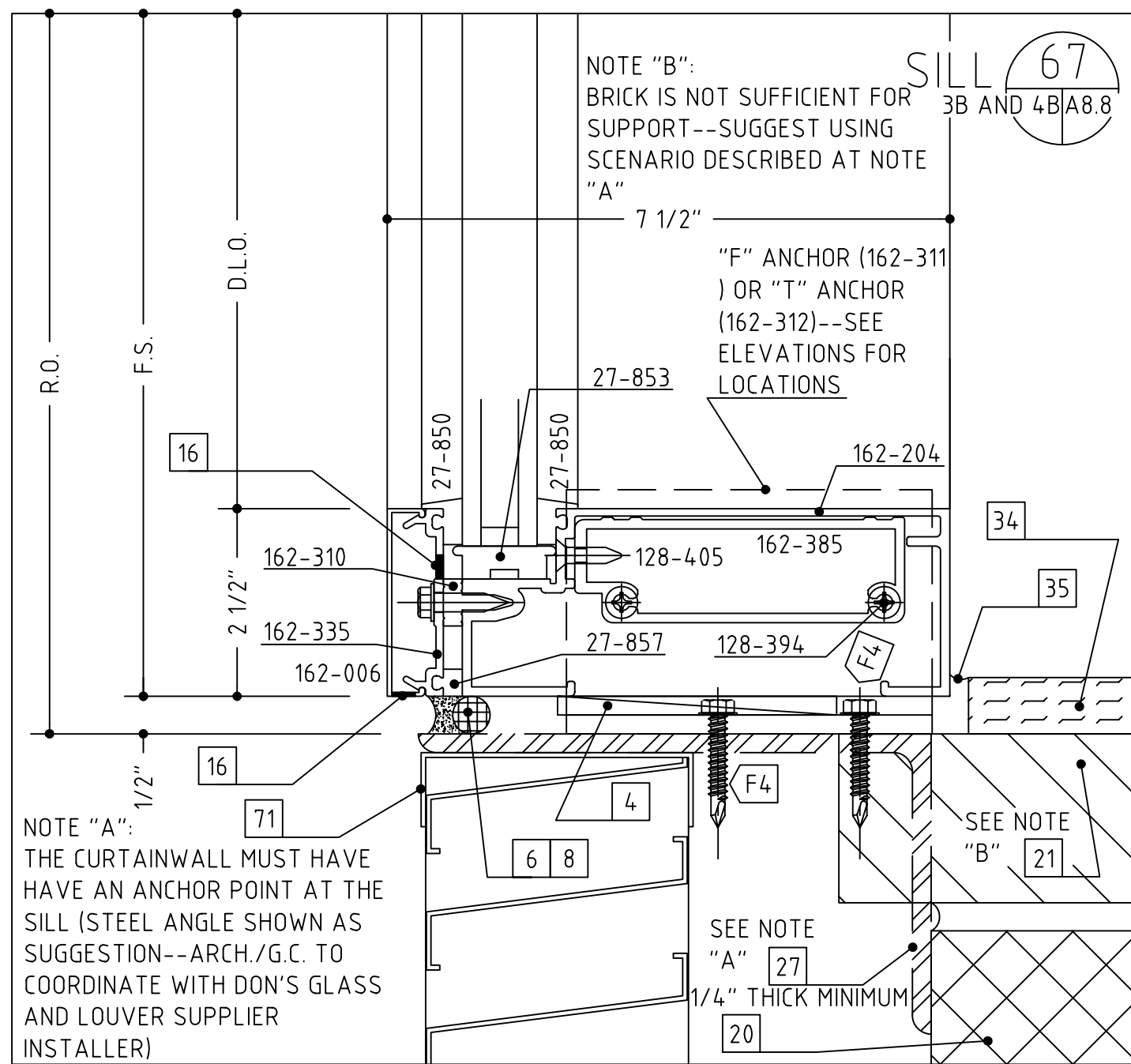
APPLY THIS DETAIL TO DETAILS THAT OCCUR AT AREAS OF ELEVATIONS  
"CW9", "CW9A" AND "CW9B" THAT RECEIVE GLASS TYPE "F" (PANELS)



ADDED DETAIL

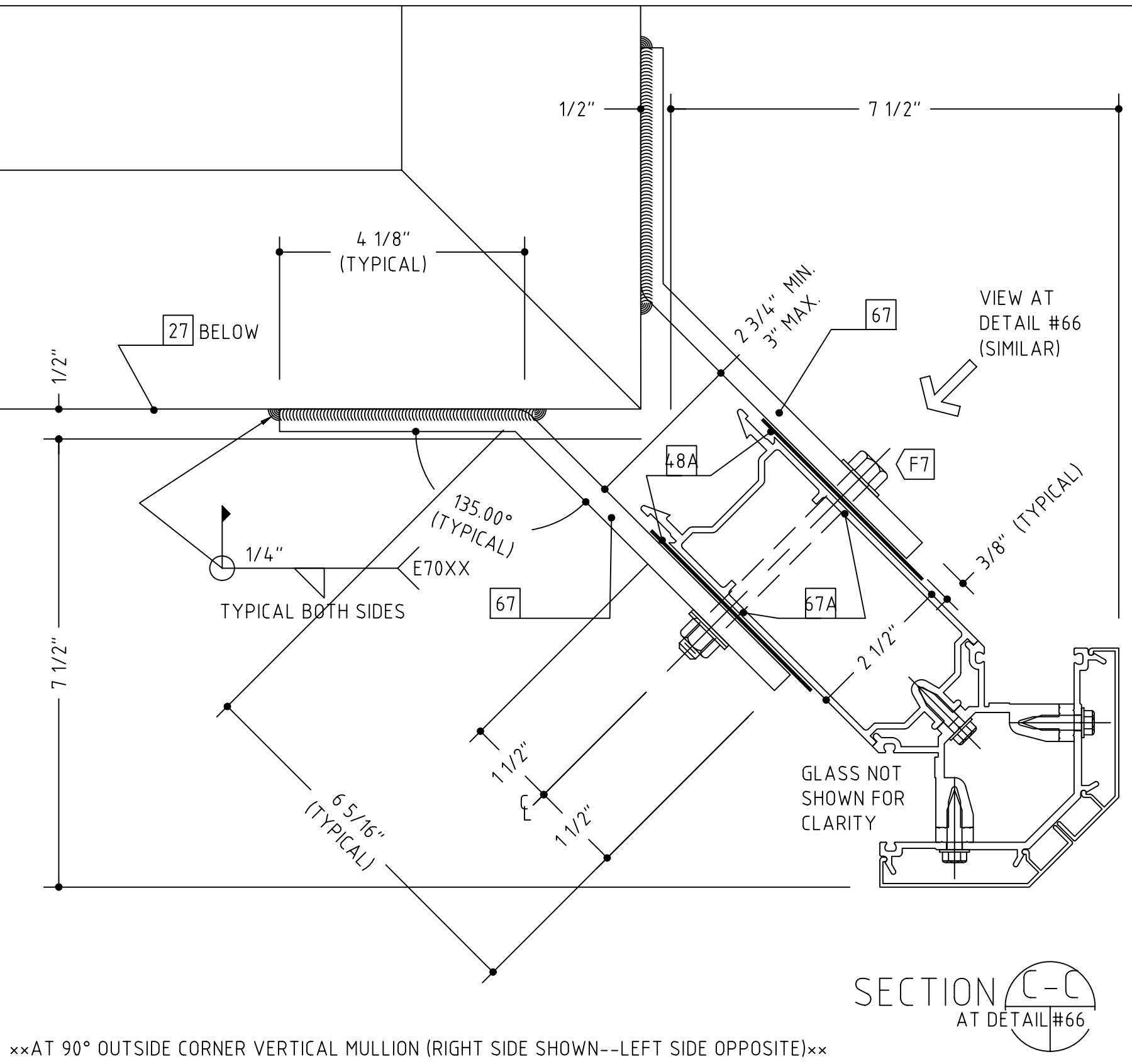
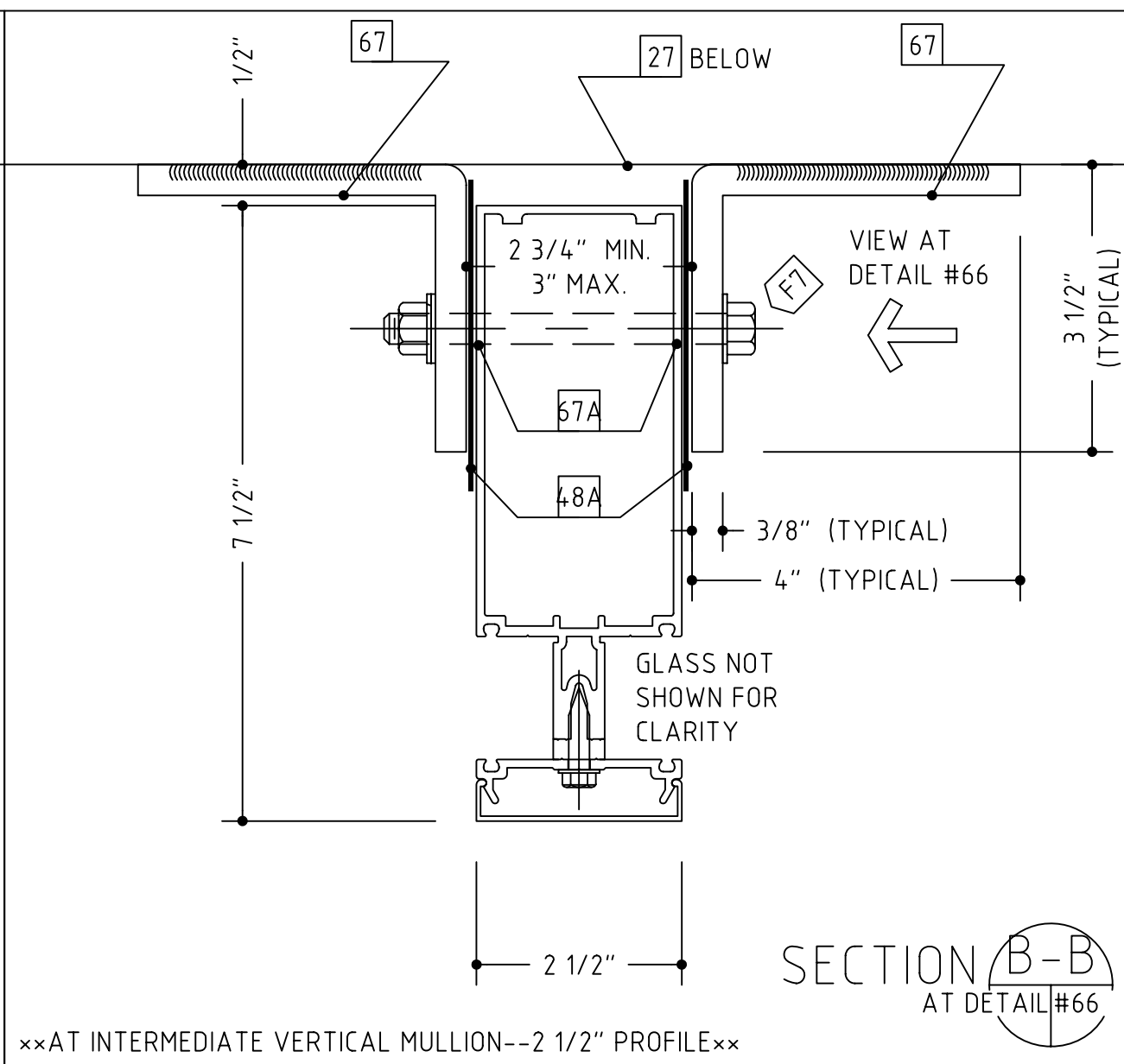
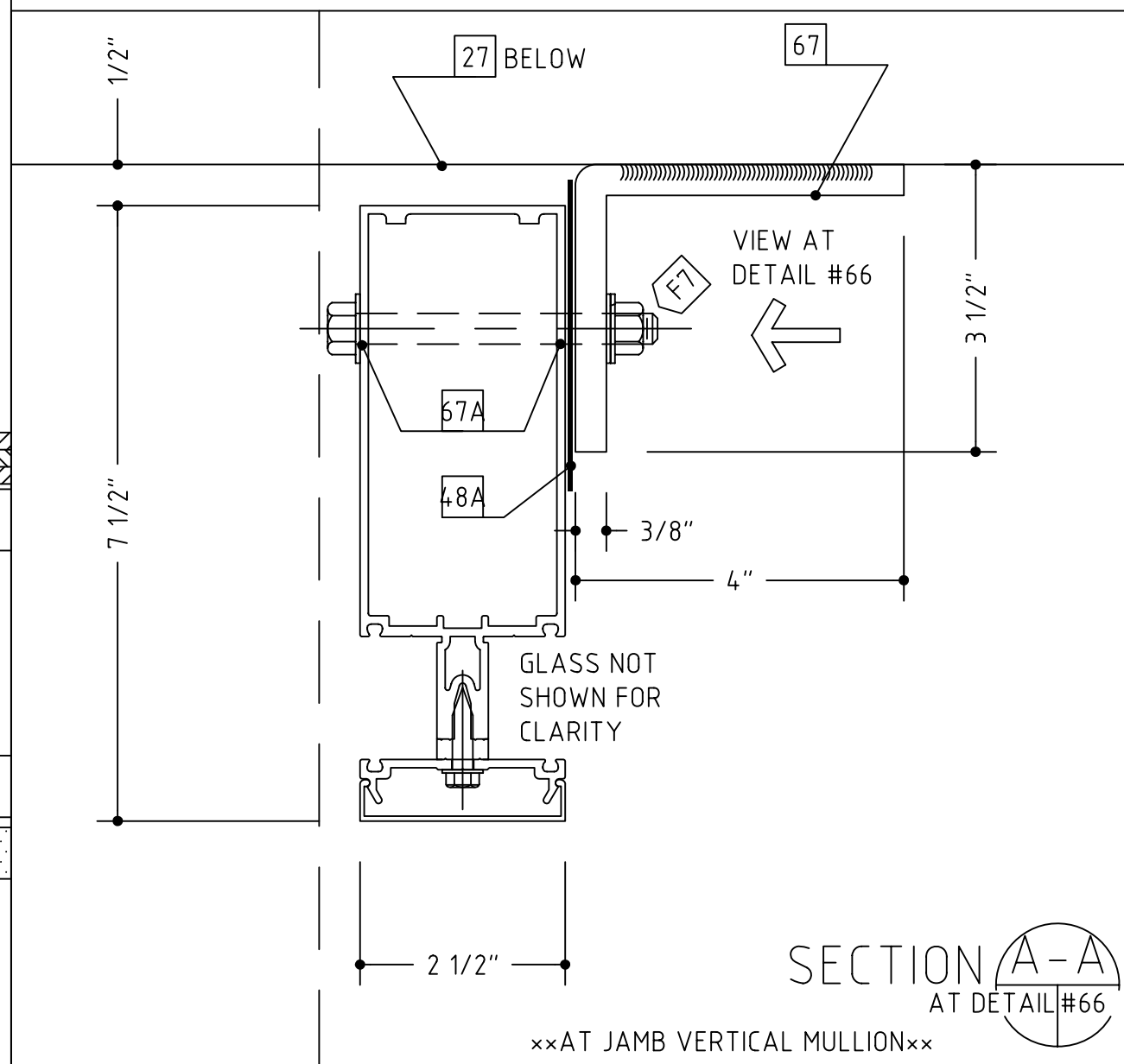
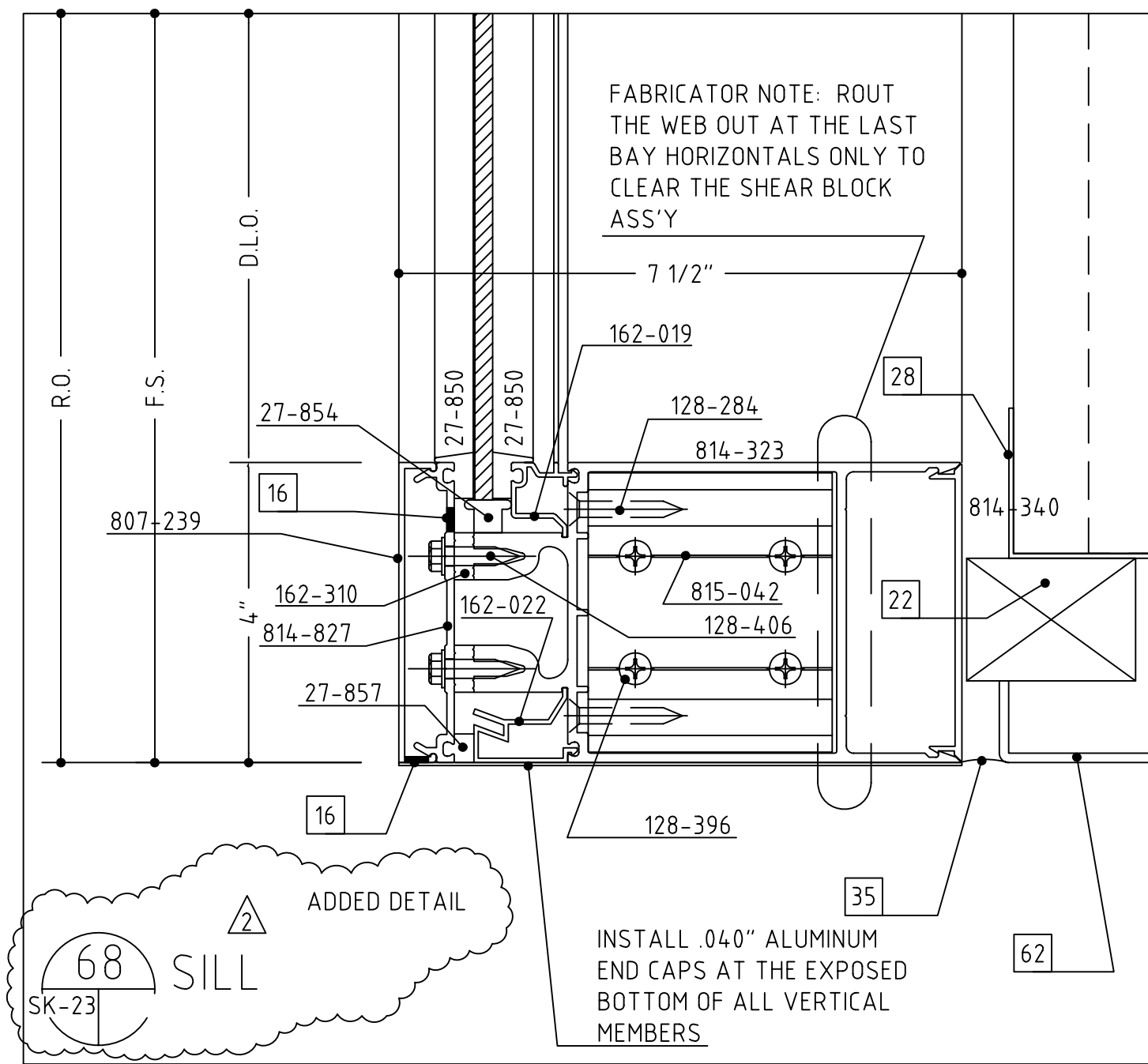
1/4" GLASS IN CURTAINWALL VERTICALS

69  
NOT USED



VIEW OF END CAP

(FURNISH AND INSTALL ONLY WHERE NOTED  
BY "EC" AT THE ELEVATIONS)



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- BEDDING CAULK (AS SPECIFIED)
- ETHAFOAM BACKING ROD OR DENVER FOAM
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- SEPARATOR BETWEEN ALUMINUM AND STEEL
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- STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS
- WELD BY OTHERS
- FIRE SAFING INSULATION AND ATTACHMENTS BY OTHERS
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REPLACEMENT OF  
VINCENT SCIENCE  
BUILDING,  
SLIPPERY ROCK  
UNIVERSITY,  
PENNSYLVANIA  
SHEET #: