JOB: REPLACEMENT OF VINCENT SCIENCE BUILDING, SLIPPERY ROCK UNIVERSITY, SLIPPERY ROCK, BUTLER COUNTY, PENNSYLVANIA PROJECT # D.G.S. 413-49 G.C.: REGINOLLA CONSTRUCTION COMPANY, 1501 REEDSDALE, SUITE #304, PITTSBURGH, PENNSYI VANIA 15233-2341 ARCHITECT: IKM, INCORPORATED, ONE PPG PLACE, PITTSBURGH, PENNSYLVANIA 15222 GLAZING SUBCONTRACTOR: DON'S GLASS & MIRROR, INC., WEXFORD, PENNSYLVANIA

GLASS TYPES

NOTE 1" PPG OPTIGRAY 23/SOLARBAN 60 (3), 1/A3.7 HEAT-STRENGTHENED/ANNEALED INSULATED GLASS UNI 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 D 1" PPG OPTIGRAY 23,

2/A3.7 D | HEAT-STRENGTHENED/HEAT-STRENGTHENED INSULATED SPANDREL GLASS UNIT CONSISTING 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"

T' PPG OPTIGRAY 23/SOLARBAN 60 (3), 3/A3.7 | TEMPERED/TEMPERED INSULATED GLASS

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

1" CLEAR, ANNEALED/ANNEALED INSULATED GLASS UNIT CONSISTING OF... 1/4" CLEAR, ANNEALED O.B. LITE 1/2" AIR SPACE

SURFACE OF THE I.G. UNIT

1/4" CLEAR, ANNEALED I.B. LITE 1" CLEAR, TEMPERED/TEMPERED INSULATED

NONE | E | GLASS UNIT CONSISTING OF.. 1/4" CLEAR, TEMPERED O.B. LITE

1/2" AIR SPACE 1/4" CLEAR, TEMPERED I.B. LITE 1/4" ALUMINUM PANEL, SMOOTH FACE TO /2 NONE | F | EXTERIOR. COLOR: CLEAR ANODIZED AT

EXPOSED FACE

THIS SHOP DRAWING WAS GENERATED USING THE FOLLOWING..

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.

—1 1/2" THICK, FOIL FACED INSULATION IS FURNISHED AND INSTALLED BEHIND ALL SPANDREL GLASS BY DON'S GLASS & MIRROR. THE INSULATION HAS NOT BEEN SHOWN AT THE DETAILS FOR CLARITY. SEE SEPARATE SUBMITTAL FOR MORE INFORMATION ON

THIS ITEM

NOTE: ALSO INSTALL THIS INSULATION AT GLASS "_____

REVISION #2. (DRAFTING REVISION ONLY) 2 1. EXTENDED THE BOTTOM OF CURTAINWALL ELEVATIONS CW9, CW9A AND CW9B AS

DRAWING CONTENTS.

SHEETS 1, 1A AND 1B: COVER SHEET, NOTES AND SCHEDULES

SHEETS 2, 2A AND 2B: KEY PLANS

SHEETS 3-20: ELEVATIONS

REQUESTED BY ARCHITECT.

SHEETS 21-32: DETAILS (INCLUDES SHEETS 25A, 25B, 25C,

28A, 28B, 28C AND 29A

ELEVATION SCHEDULE ELEVATION FRAMING TOTALS GROUND | SECOND | THIRD TYPE: TYPE: LEVEL | LEVEL 1600 SYS. (0) 2 1/2" X 7 1/2" 1600 SYS. (0) 7 1/2" X 7 1/2" 1600 SYS. 1/2" X 7 1/2 1600 SYS. (0) (0) 2 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. 1 2 1/2" X 7 1/2" 1600 SYS. 2 1/2" X 7 1/2" 1600 SYS. (0) 2 1/2" X 7 1/2 (0) (0) 2 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2" 1600 SYS. CW7.1 7 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. CW7A.1 : 1/2" X 7 1/2 1600 SYS. (0) 7 1/2" X 7 1/2 1600 SYS. 1 2 1/2" X 7 1/2" 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. CW10 2 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. 1 CW10A 1600 SYS. CW10A.1 (0) 2 1/2" X 7 1/2 1600 SYS. 2 1/2" X 7 1/2 1600 SYS. (0) 2 1/2" X 7 1/2" 1600 SYS. 1/2" X 7 1/2" 1600 SYS. 1 1600 SYS. 1 2 1/2" X 7 1/2 1600 SYS. CW14A (0) 1/2" X 7 1/2 1600 SYS. (0) (0) CW14B 1/2" X 7 1/2 1600 SYS. CW 15 2 1/2" X 7 1/2"

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GENERAL NOTES:

FRAMING SYSTEMS USED ON THIS PROJECT...

KAWNEER COMPANY, INC. SERIES 1600, SYSTEM 1, 2 1/2" X 7 1/2", THERMALLY IMPROVED, ALUMINUM CURTAINWALL

NOTE: THE SIGHTLINES FOR THIS SYSTEM VARY--REFER TO ELEVATIONS FOR MORE INFORMATION . DOOR TYPES USED ON THIS PROJECT.. KAWNEER COMPANY, INC

SERIES 500, 13/4" DEPTH, "WIDE" STILE, ALUMINUM SWINGING DOORS FOR 1" GLASS

WINDOW SYSTEMS USED ON THIS PROJECT..

NOT USED ON THIS PROJECT . FINISH OF EXPOSED ALUMINUM:

KAWNEER DESIGNATION #14, CLASS 1, CLEAR ANODIZED FINISH

. MISCELLANEOUS ALUMINUM FLASHING AND/OR TRIM: NOT USED ON THIS PROJECT

6. CAULKING

AREA FOR

COMMENTS

ARCHITECT'S/G.C.'S

APPROVAL STAMPS AND

EXTERIOR/PERIMETER: TREMCO "DYMONIC", ONE PART POLYURETHANE SEALANT IN A STANDARD COLOR. COLOR: "ALUMINUM STONE"

INTERIOR/PERIMETER: FURNISHED AND INSTALLED ONLY WHERE NOTED AT THE DETAILS ON THIS SHOP DRAWING

BEDDING/SEALING: ONE PART POLYURETHANE OR BUTYL SEALANT IN ANY COLOR (SINCE IT I NOT VISIBLE)

. MISCELLANEOUS NOTES... A. LOUVERS ON THIS PROJECT ARE FURNISHED AND INSTALLED BY OTHERS INCLUDING ALL ATTACHMENTS AND SEALANTS. ANY LOUVERS ADJACENT TO THE WORK SHOWN ON THIS SET OF

SHOP DRAWINGS MUST REMAIN INDEPENDENT OF THE CURTAINWALL FRAMING (NO PENETRATIONS!) B. CORRUGATED (OR ANY OTHER TYPE) PANELS ON THIS PROJECT ARE FURNISHED AND

INSTALLED BY OTHERS INCLUDING ALL ATTACHMENTS AND SEALANTS. ANY CORRUGATED (OR ANY OTHER TYPE) PANELS ADJACENT TO THE WORK SHOWN ON THIS SET OF SHOP DRAWINGS MUST REMAIN INDEPENDENT OF THE CURTAINWALL FRAMING (NO PENETRATIONS!) C. ARCHITECT/G.C. SEE DETAIL #29 FOR 8" HORIZONTAL DETAIL AND NOTE CONCERNING THE

SYSTEM DEPTH. COORDINATE WITH HORIZONTAL WALL BAND BEING FURNISHED AND INSTALLED BY OTHERS. THE HORIZONTAL WALL BAND BY OTHERS SHOULD REMAIN INDEPENDENT OF THE CURTAINWALL FRAMING

> ACCURATE DRAFTING, INC. DRAWING GUIDELINES ALL FASTENERS SHOWN ON THIS SHOP DRAWING ARE FOR REFERENCE ONLY. ACTUAL FASTENER TYPES AND SIZES

WINDLOAD/DEADLOAD REQUIREMENTS OUTLINED IN THE SPECIFICATIONS FABRICATION AND INSTALLATION OF THE FRAMING AND GLASS SHOWN ON THIS SHOP DRAWING SHOULD BE

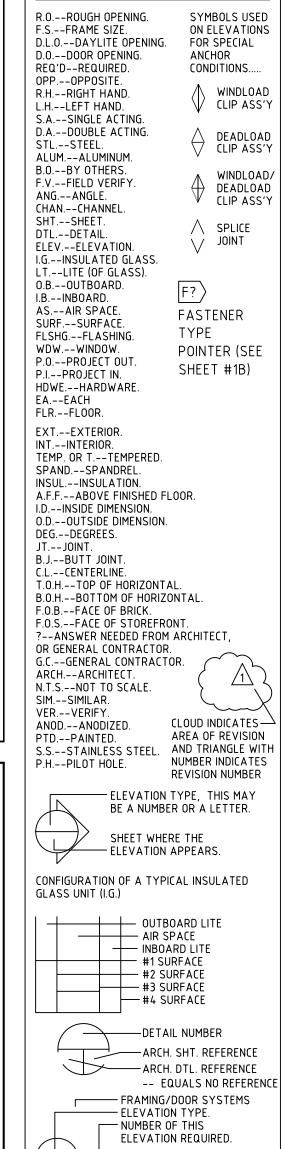
THESE DRAWINGS WERE PREPARED WITHOUT THE BENEFIT OF A FULL SET OF ARCHITECTURAL DRAWINGS. SOME ERIMETER CONDITIONS MAY BE SHOWN AS UNKNOWN. THESE CONDITIONS SHOULD BE VERIFIED PRIOR TO

FABRICATION AND INSTALLATION FOR THEIR EFFECT ON THE WORK BEING PERFORMED HESE DRAWINGS WERE PREPARED WITHOUT THE BENEFIT OF STRUCTURAL DRAWINGS. THIS MAY AFFECT THE LOCATION AND SIZING OF STEEL CLIP CONNECTIONS AND SPLICE JOINTS. THE STRUCTURAL LAYOUT IN THESE

AREAS SHOULD BE VERIFIED PRIOR TO FABRICATION AND INSTALLATION OF THE WORK.

SHOP DRAWING DISCLAIMER: THIS DISCLAIMER APPLIES TO ACCURATE DRAFTING'S CUSTOMER AS WELL AS ANY PARTY USING THESE DRAWINGS TO OBTAIN INFORMATION NEEDED TO ORDER, COORDINATE, FABRICATE AND INSTALL MATERIALS FOR THIS PROJECT. THIS APPLIES ALSO TO TRADES OTHER THAN GLASS AND GLAZING. **THIS SHOP DRAWING IS AN INTERPRETATION OF THE ARCHITECT'S DRAWINGS BY ACCURATE DRAFTING COMPANY THIS DRAWING WAS GENERATED FOR ACCURATE DRAFTING'S CUSTOMER. THE INTERPRETATION OF THE ARCHITECT'S DRAWINGS IS AFFECTED BY THE INFORMATION GIVEN TO ACCURATE BY IT'S CUSTOMER AS WELL AS INDUSTRY STANDARDS AND MANUFACTURER TECHNICAL INFORMATION. IN CASES WHERE ACCURATE IS NOT PROVIDED WITH THE NECESSARY INFORMATION IT WILL BE ACCURATE'S DECISION WHETHER TO ASSUME, EXTRAPOLATE OR OMIT THIS INFORMATION IN ORDER TO COMPLETE THE SHOP DRAWINGS. IT IS THE RESPONSIBILITY OF ACCURATE'S CUSTOMER (OR THE END USER IF APPLICABLE) TO REVIEW THE SHOP DRAWINGS. REVIEW OF THE SHOP DRAWINGS INCLUDES, BUT IS NOT LIMITED, TO THE FOLLOWING ITEMS: DIMENSIONS, QUANTITIES, HANDING OF DOORS/FRAMES COLORS, THICKNESSES, SAFETY GLASS, GLASS TYPES, COATING TYPES, COATING LOCATIONS, DOOR STILE TYPES, FRAMING TYPES, HARDWARE, ALIGNMENT OF HORIZONTAL AND/OR VERTICAL FRAMING MEMBERS WITH ARCHITECTURAL ACCENTS/TRIM. ACCURATE DRAFTING NOR IT'S DRAFTSMAN SHALL BE LIABLE OR RESPONSIBLE FINANCIALLY FOR ANY ERRORS AND/OR OMISSIONS FROM THESE SHOP DRAWINGS. ARCHITECTURAL AND/OR CONTRACTOR APPROVAL DOES NOT RELEIVE ACCURATE'S CUSTOMER FROM REVIEWING THESE DRAWINGS AS NOTED

NOTE: IN CASES WHERE NO ARCHITECTURAL DRAWINGS WERE PROVIDED TO ACCURATE THE SAME DISCLAIMER ITEMS NOTED ABOVE STILL APPLY TO WHATEVER INFORMATION WAS PROVIDED TO ACCURATE TO PERFORM THE SHOP DRAWINGS.



LEGEND



THIS REVISION HAS BEEN GENERATED TO OUTLINE A MULLION MODIFICATION SCENARIO THAT MAY BE NECESSARY DUE TO BUILDING CONSTRUCTION OUTSIDE OF THE SCOPE OF WORK BEING PROVIDED BY DON'S GLASS & MIRROR. INCORPORATED. THIS REVISION PERTAINS ONLY TO THOSE MODIFICATIONS AND DOES NOT REFLECT ANY OTHER CHANGES.

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 DON'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 POSSIBLE MODIFICATIONS SHOWN.

E. BOTH THE CALCULATIONS AND THIS DRAWING WILL RECIEVE THE ENGINEER'S STAMP.

3.24.2005 | WOOD <u>, /2\</u> WOOD 2.7.2005 REVISION # | DATE REVISIONS

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

(UNLESS NOTED OTHERWISE AT THE INDIVIDUAL DRAWINGS) ELEVATIONS: 1/4" = 1'-0" DETAILS: 1/2 SIZE (1/2" = 1")

DRAWINGS PREPARED BY ... ACCURATE DRAFTING. 8126 Foxdale Drive, Norfolk, Virginia 23518 Accurate Drafting Website: www.accuratedrafting.com E-mail: tony@accuratedrafting.com wpilcher@accuratedrafting.com

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

SCALE OF THIS ELEVATION.

THIS MAY APPEAR AS ONE

- REFERENCE TO ARCHITECT'S

ELEVATION. -- EQUALS

NO REFERENCE

NOTE DESIGNATION.

ONLY ON DETAILS.

NUMBER OR LETTER).

THIS OCCURS ONLY

ON ELEVATIONS.

- Door Number.

— DETAIL NUMBER.

THERE ARE A TOTAL

OF (43))SHEETS IN

THIS SET OF SHOP

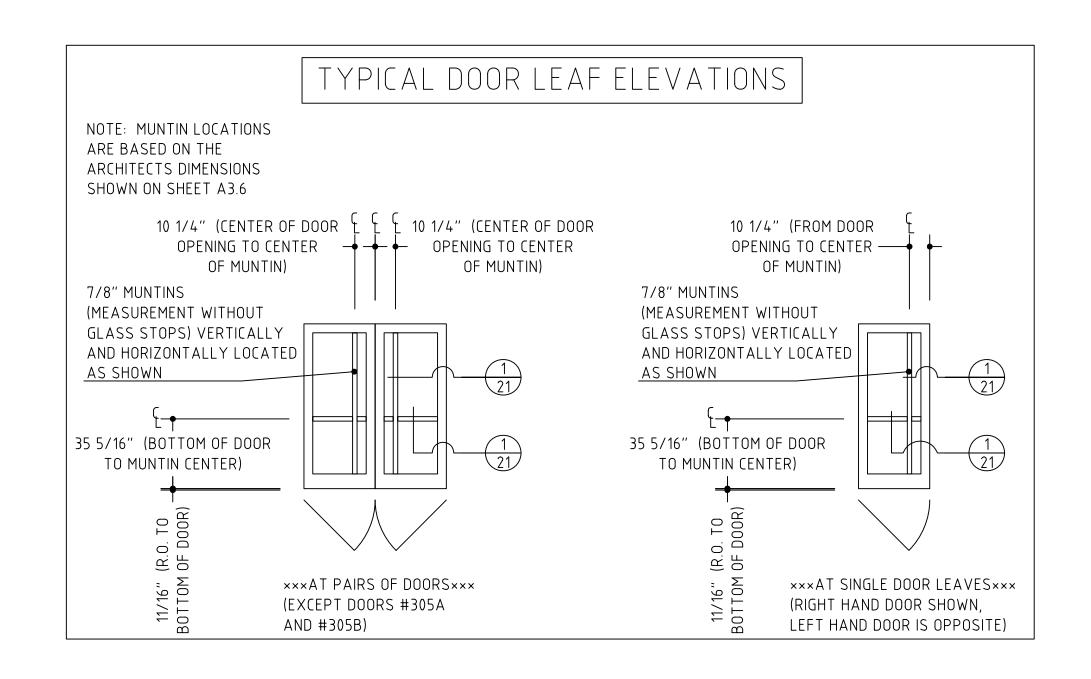
DRAWINGS

SHEET WHERE THE - DETAIL APPEARS.

THIS WILL CONTAIN A

NUMBER. THIS OCCURS

- GLASS TYPE (MAY BE A



305B	1	WIDE	PAIR	RH/LH	52 7/16" X 92 5/8"	45	С	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	Е	SEE ELEVATION "CW2A"
135C	1	WIDE	PAIR	RH/LH	72" X 84"	02	Е	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	С	SEE ELEVATION "CW2"
131D	1	WIDE	PAIR	RH/LH	72" X 84"	02	Е	SEE ELEVATION "CW1A"
131C	1	WIDE	PAIR	RH/LH	72" X 84"	02	Е	SEE ELEVATION "CW1A"
131B	1	WIDE	PAIR	RH/LH	72" X 84"	01	С	SEE ELEVATION "CW1"
131A	1	WIDE	PAIR	RH/LH	72" X 84"	01	С	SEE ELEVATION "CW1"
125D	1	WIDE	PAIR	RH/LH	72" X 84"	02	Е	SEE ELEVATION "CW2A"
125C	1	WIDE	PAIR	RH/LH	72" X 84"	04	Е	SEE ELEVATION "CW2A"
125B	1	WIDE	PAIR	RH/LH	72" X 84"	01	С	SEE ELEVATION "CW2"
125A	1	WIDE	PAIR	RH/LH	72" X 84"	03	С	SEE ELEVATION "CW2"
107B	1	WIDE	SINGLE	RH	36" X 84"	11	С	SEE ELEVATION "CW10"
100D	1	WIDE	PAIR	RH/LH	72" X 84"	02	Е	SEE ELEVATION "CW1A"
100C	1	WIDE	PAIR	RH/LH	72" X 84"	02	Е	SEE ELEVATION "CW1A"
100B	1	WIDE	PAIR	RH/LH	72" X 84"	01	С	SEE ELEVATION "CW1"
100A	1	WIDE	PAIR	RH/LH	72" X 84"	01	С	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 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!!!!!!!!!!

**HARDWARE 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)

**HARDWARE 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)

**HARDWARE 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)

**HARDWARE 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)

**HARDWARE 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)

**HARDWARE 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

1/2"-13 HEX HEAD BOLT WITH TWO FLAT WASHERS, ONE LOCK

WASHER AND ONE HEX NUT--LENGTH TO SUIT CONDITION

INSTRUCTIONS

NOTE: APPLY SEALANT OVER ALL FASTENER HEADS IN

LOCATIONS WHERE WATER PENETRATION IS MOST LIKELY									
		USE WITH A PLASTIC							
FASTENER	FASTENER	EXPANSION	FASTENER	FASTENER					
DESIGNATION:	DESCRIPTION:	ANCHOR:	MATERIAL:	SPACING:					
F1	3/8"-16 HEX HEAD BOLT WITH TWO FLAT WASHERS AND ONE LOCKNUTLENGTH 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 LOCKNUTLENGTH 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 CLIPLIKE "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 LOCKNUTLENGTH TO SUIT CONDITION (2 1/4")	NOT APPLICABLE	GRADE 5 STEEL	SEE QUANTITY AND LOCATIONS AT THE DETAIL					

****FOR FASTENERS INTO CONCRETE:

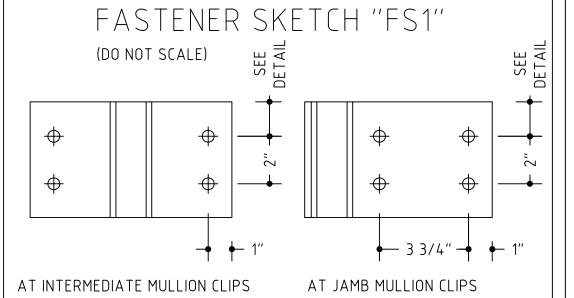
(CONCRETE BY OTHERS)×××××

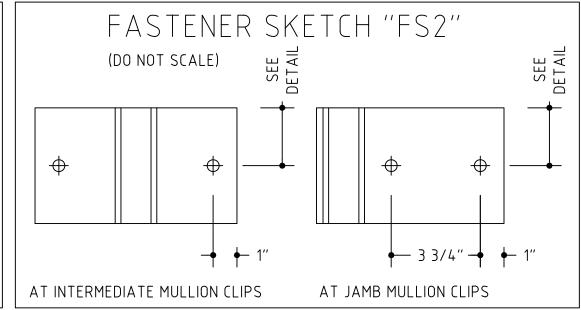
APPLICABLE GRADE 5 STEEL

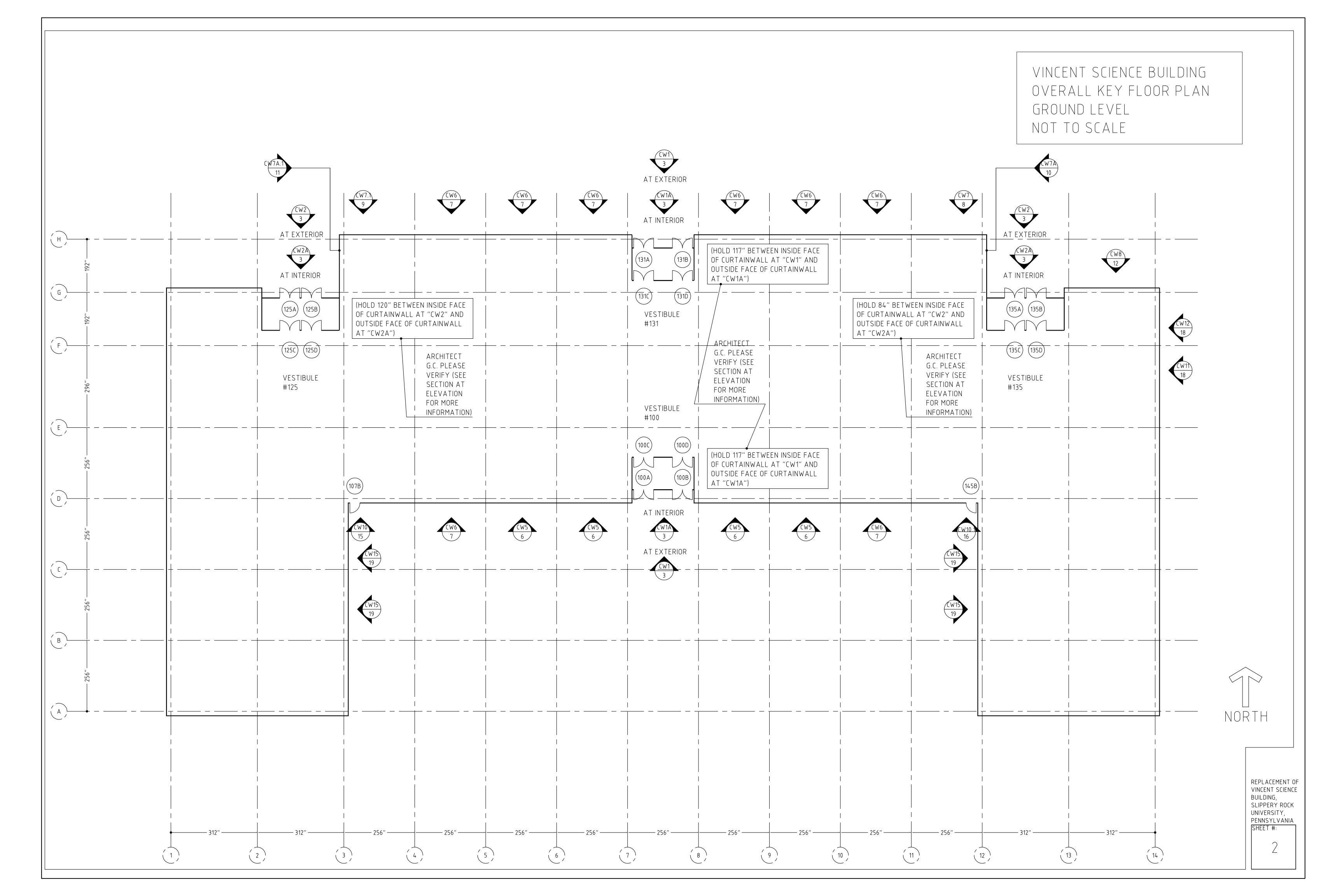
MINIMUM CONCRETE DESIGN OF f'c = 3000 p.s.i. IS ASSUMED

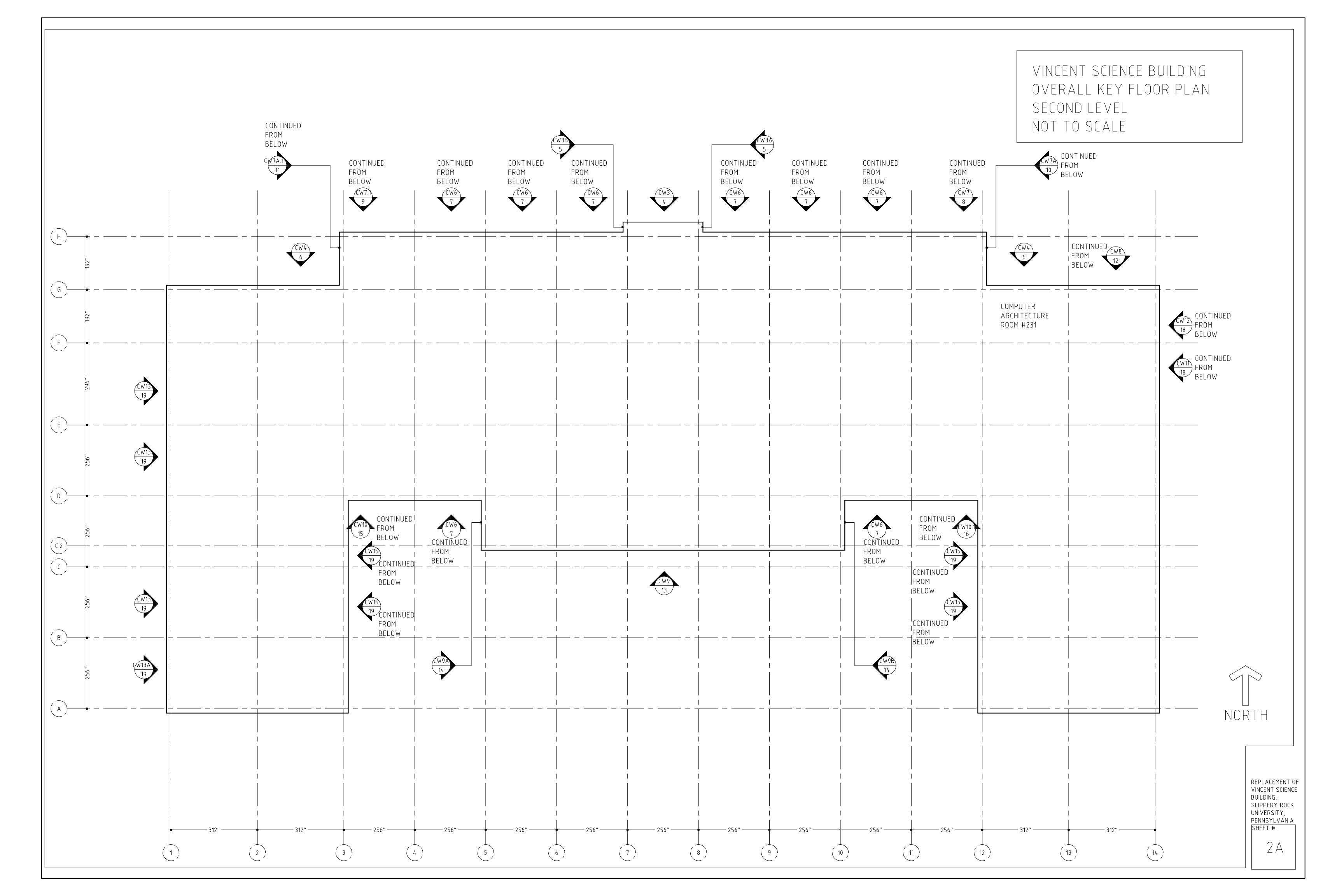
DETAIL

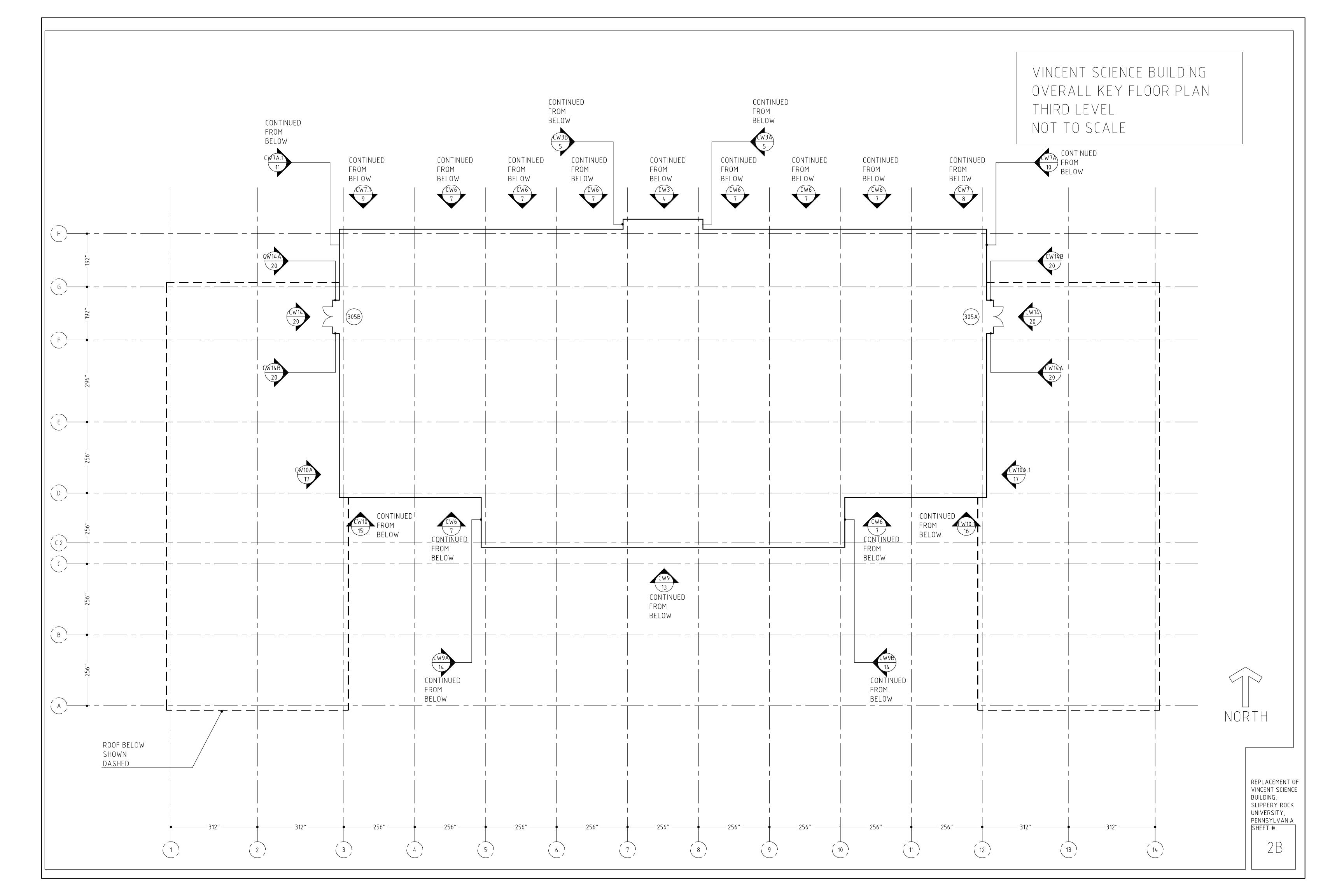
SEE QUANTITY AND LOCATIONS AT THE



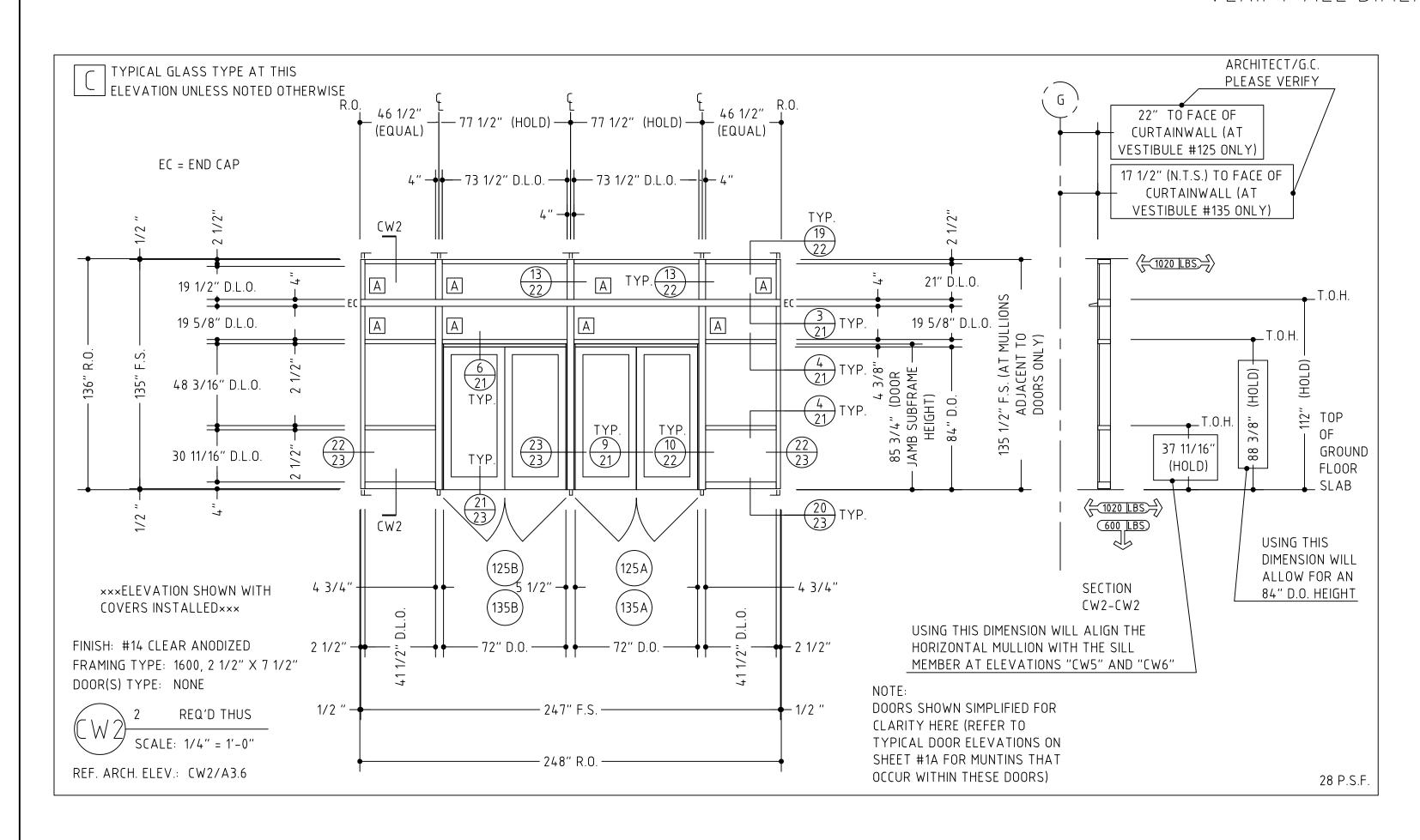


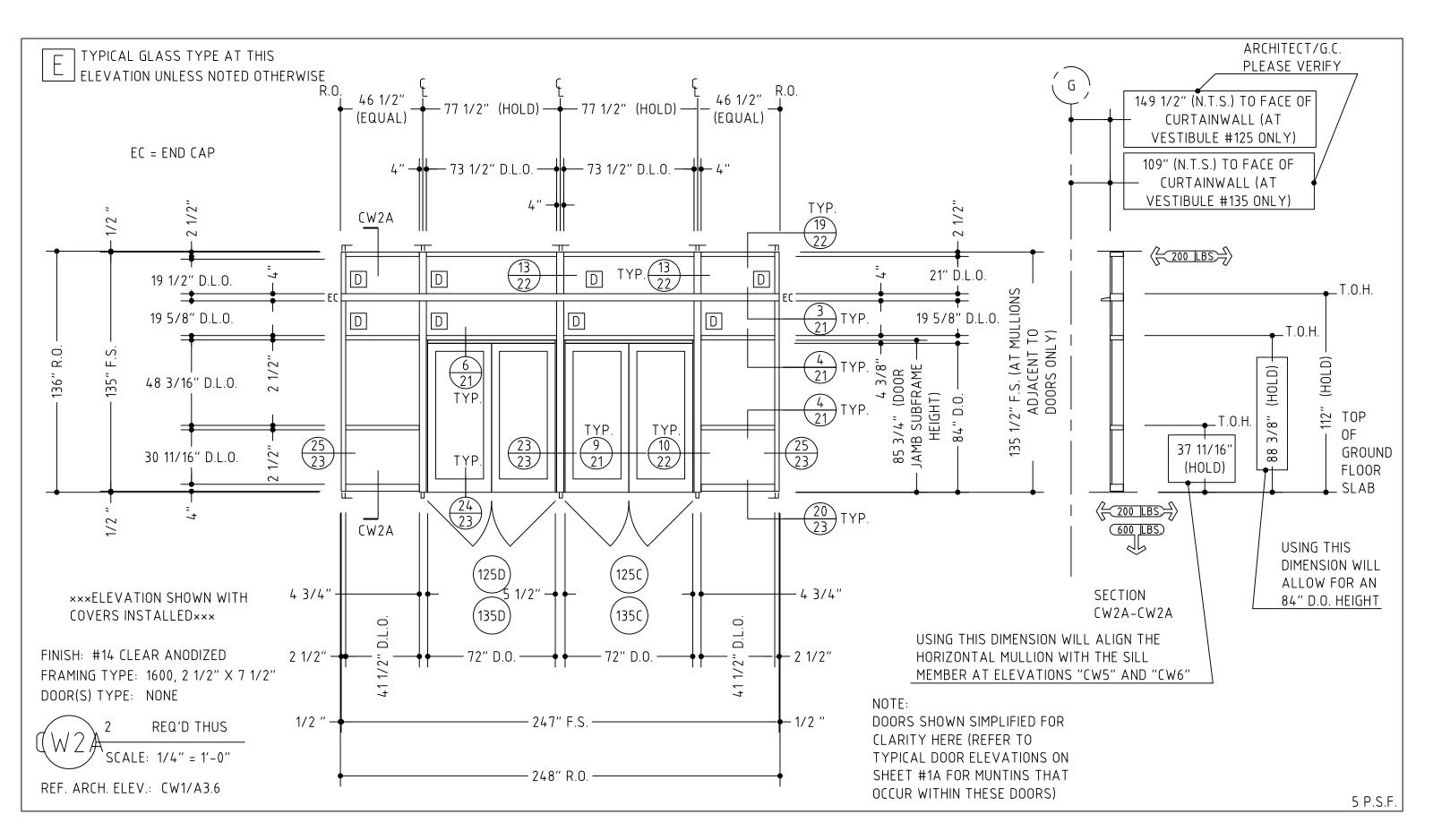


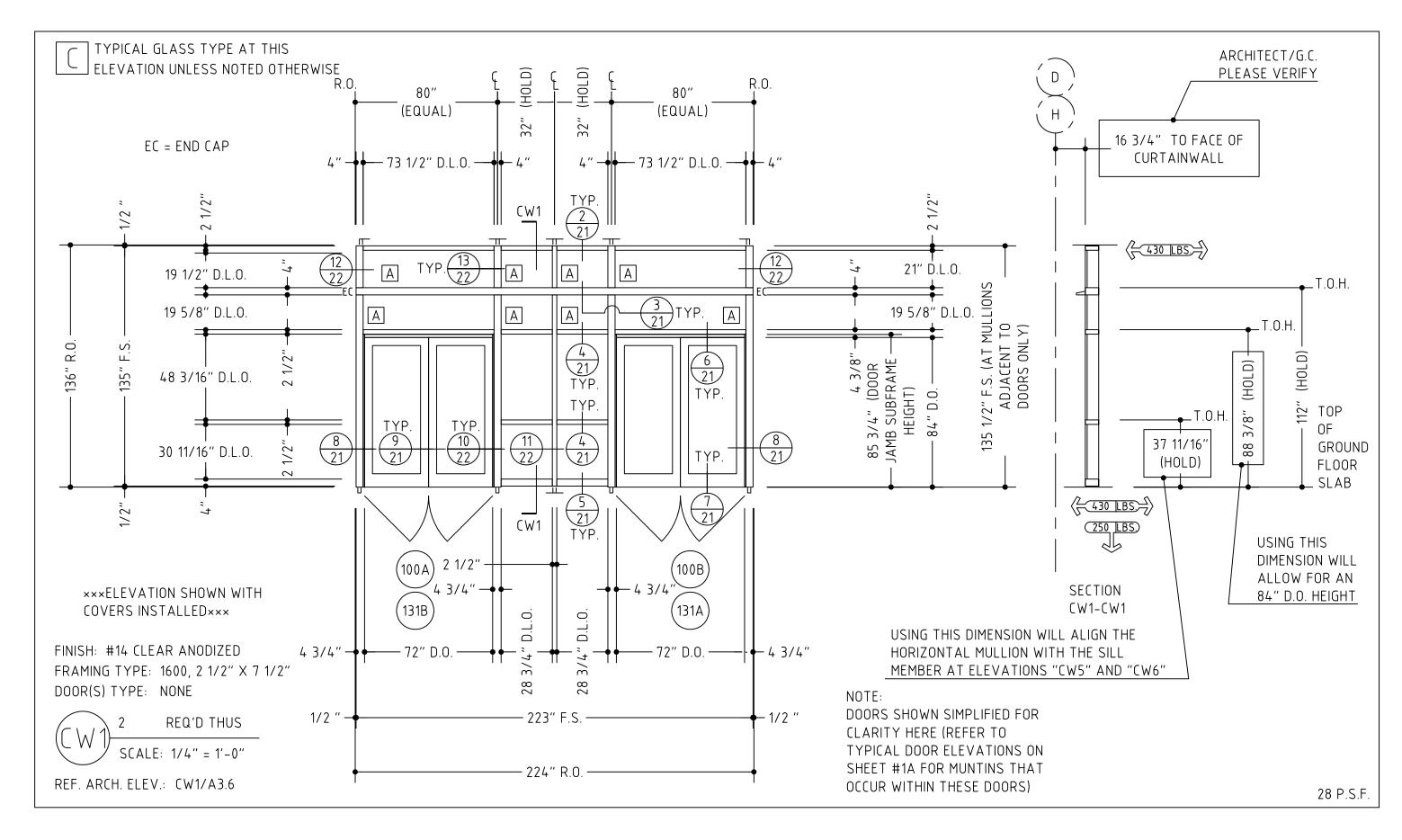


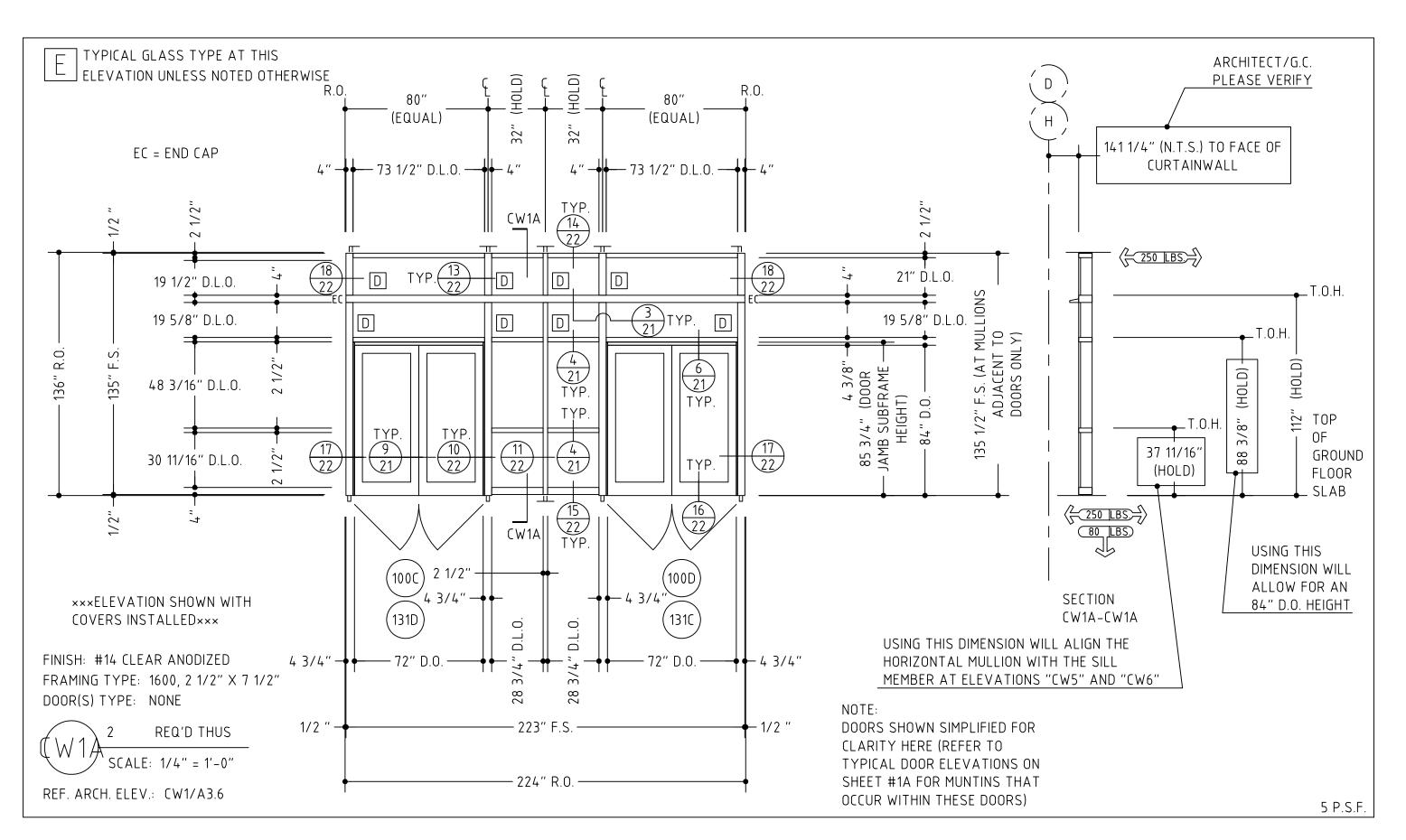


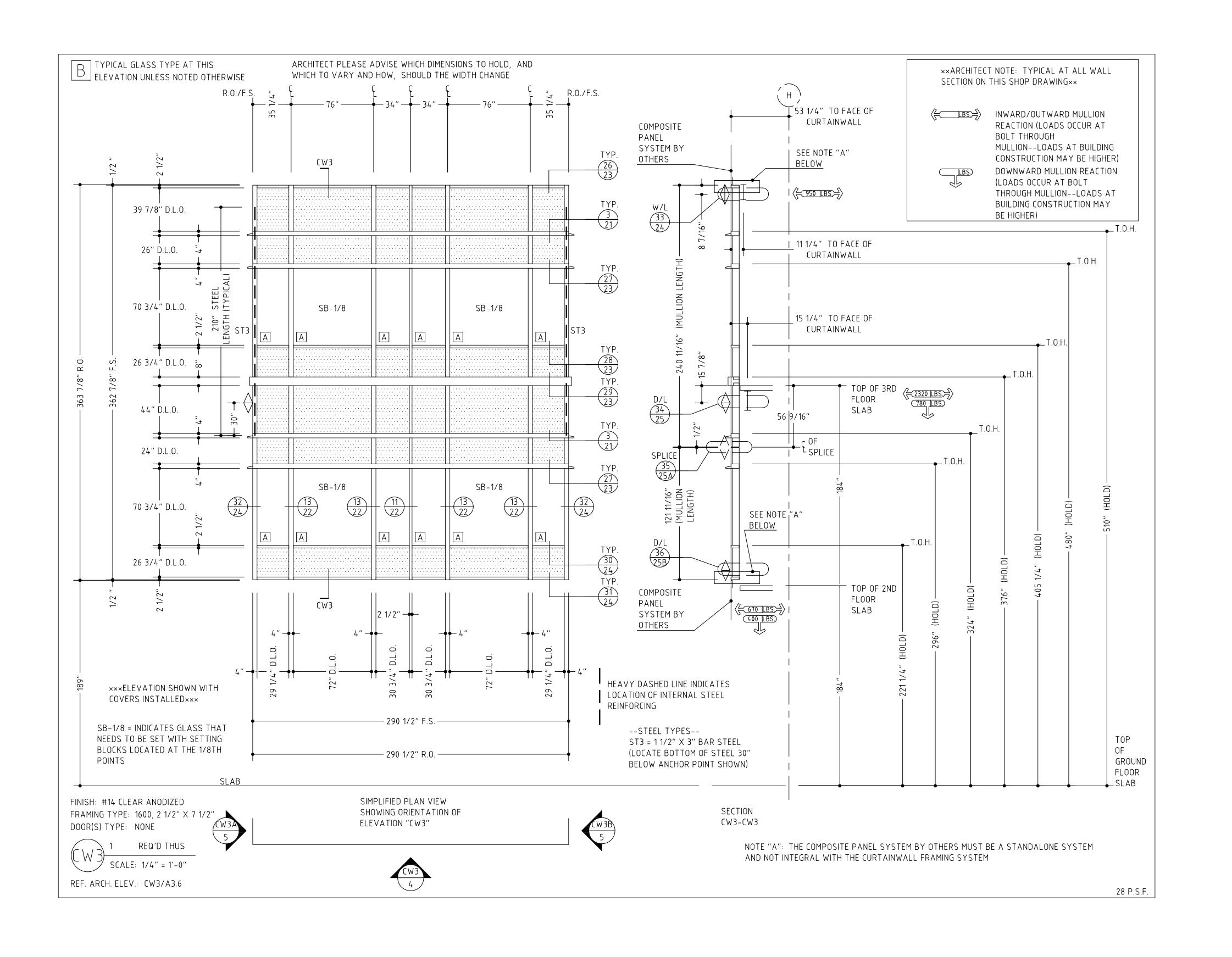
VERIFY ALL DIMENSIONS

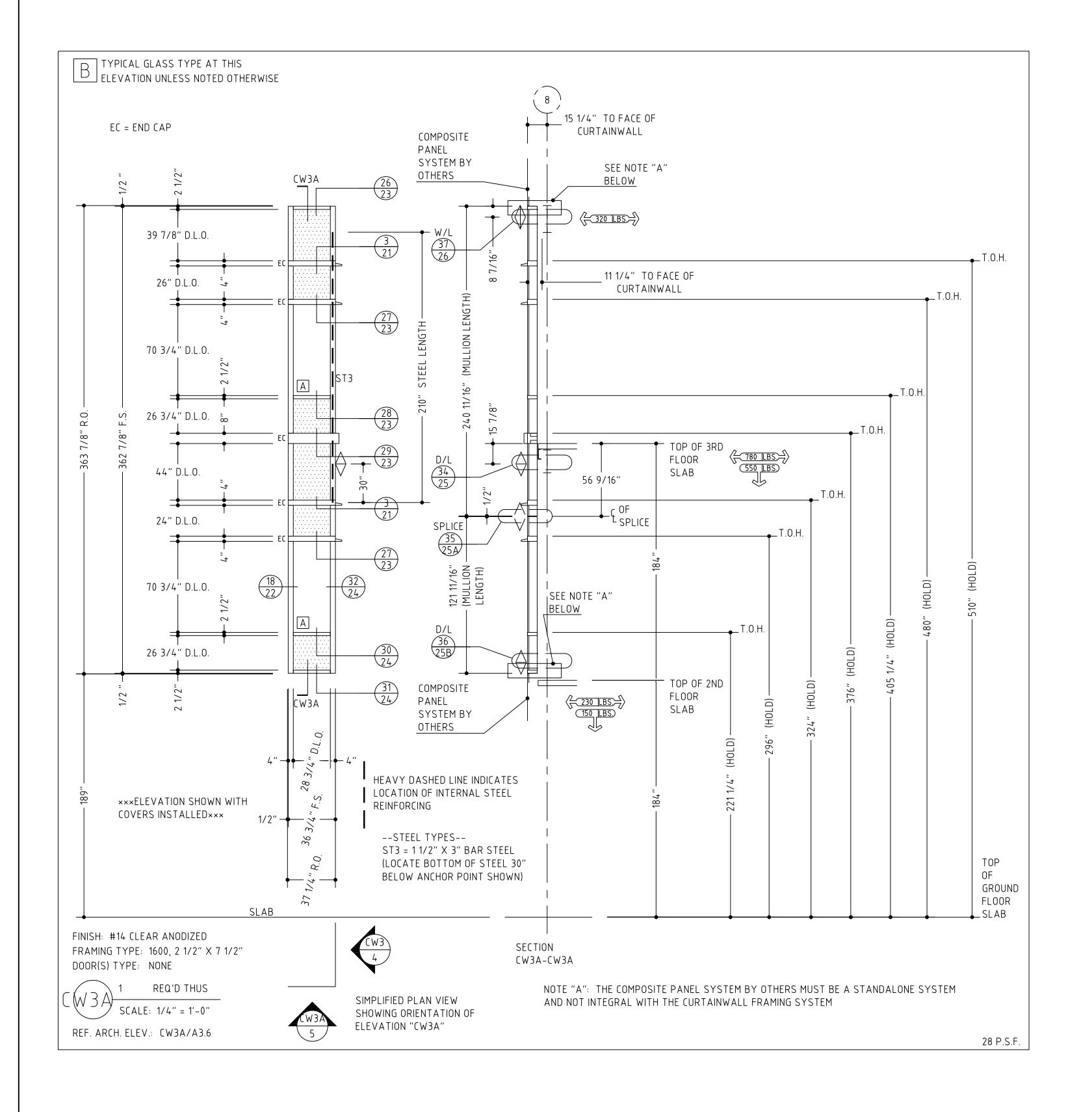


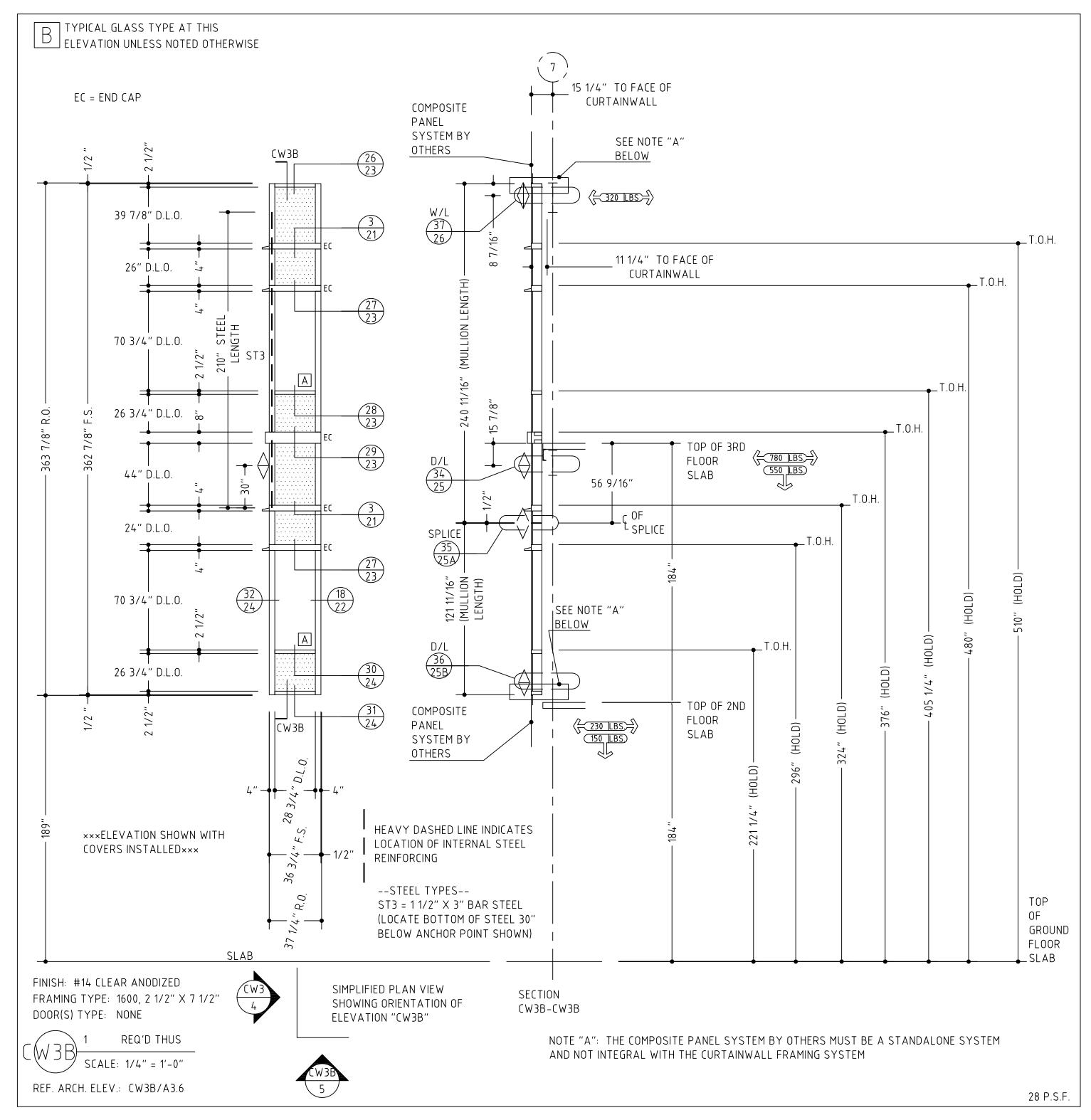


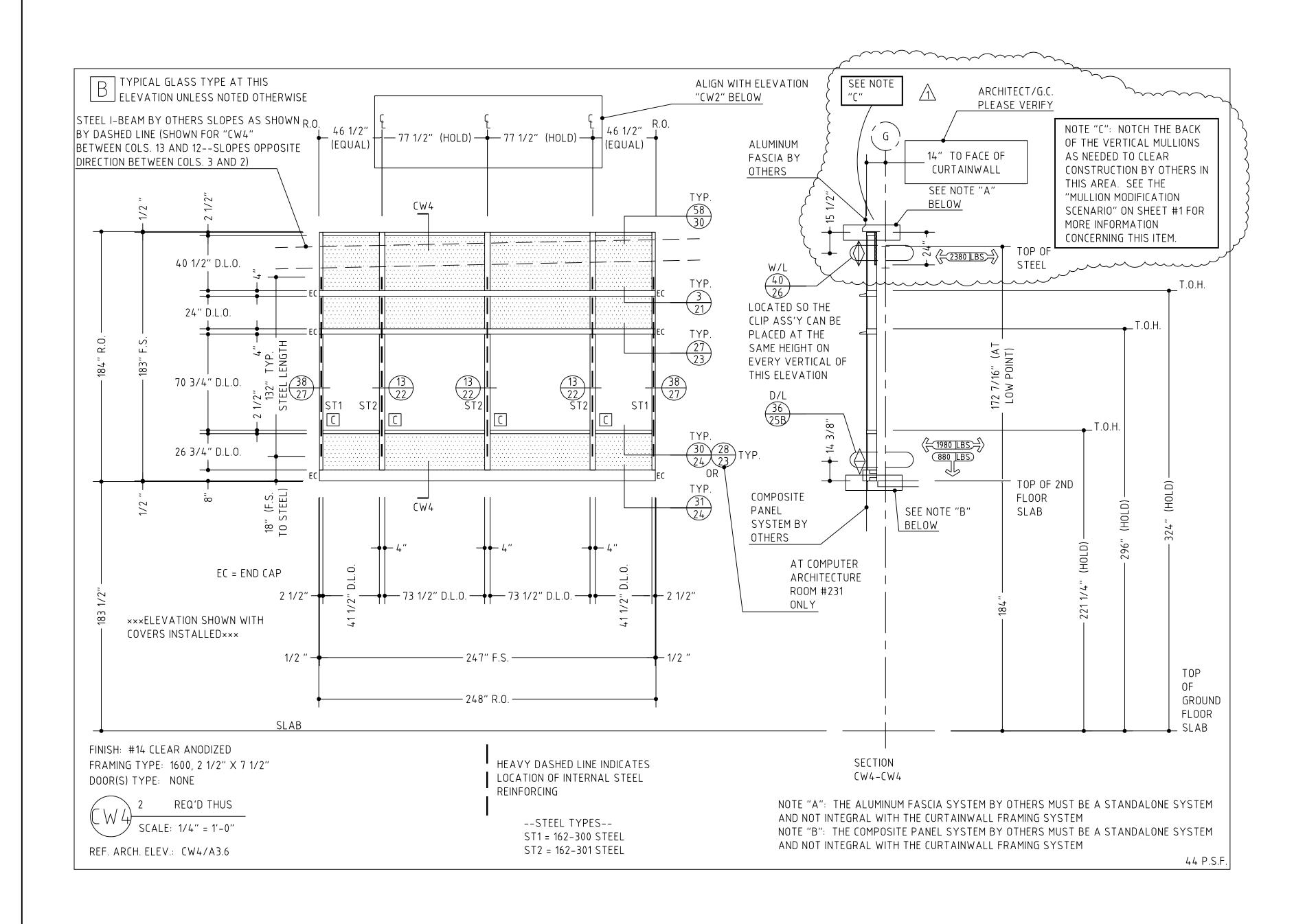


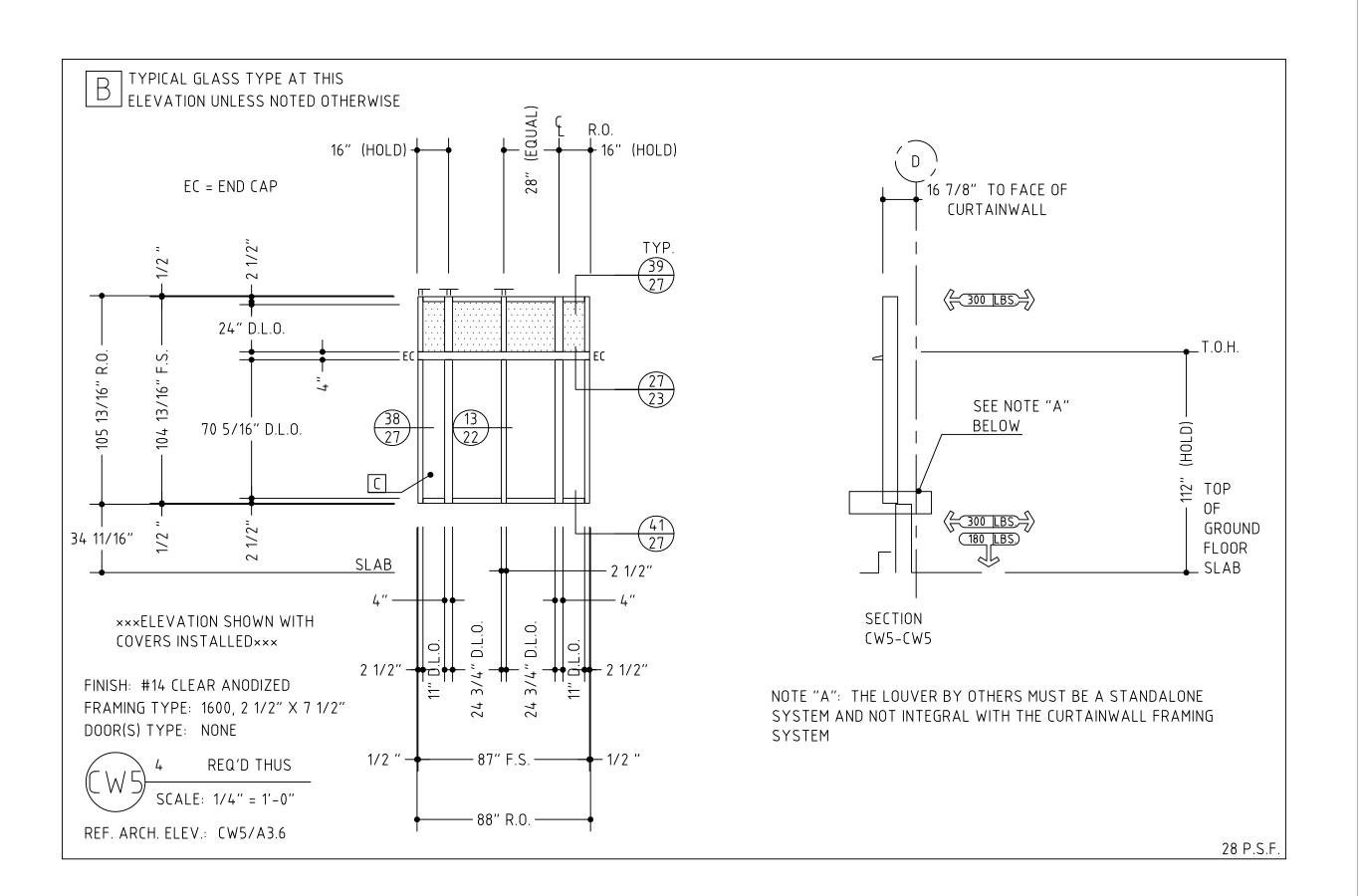


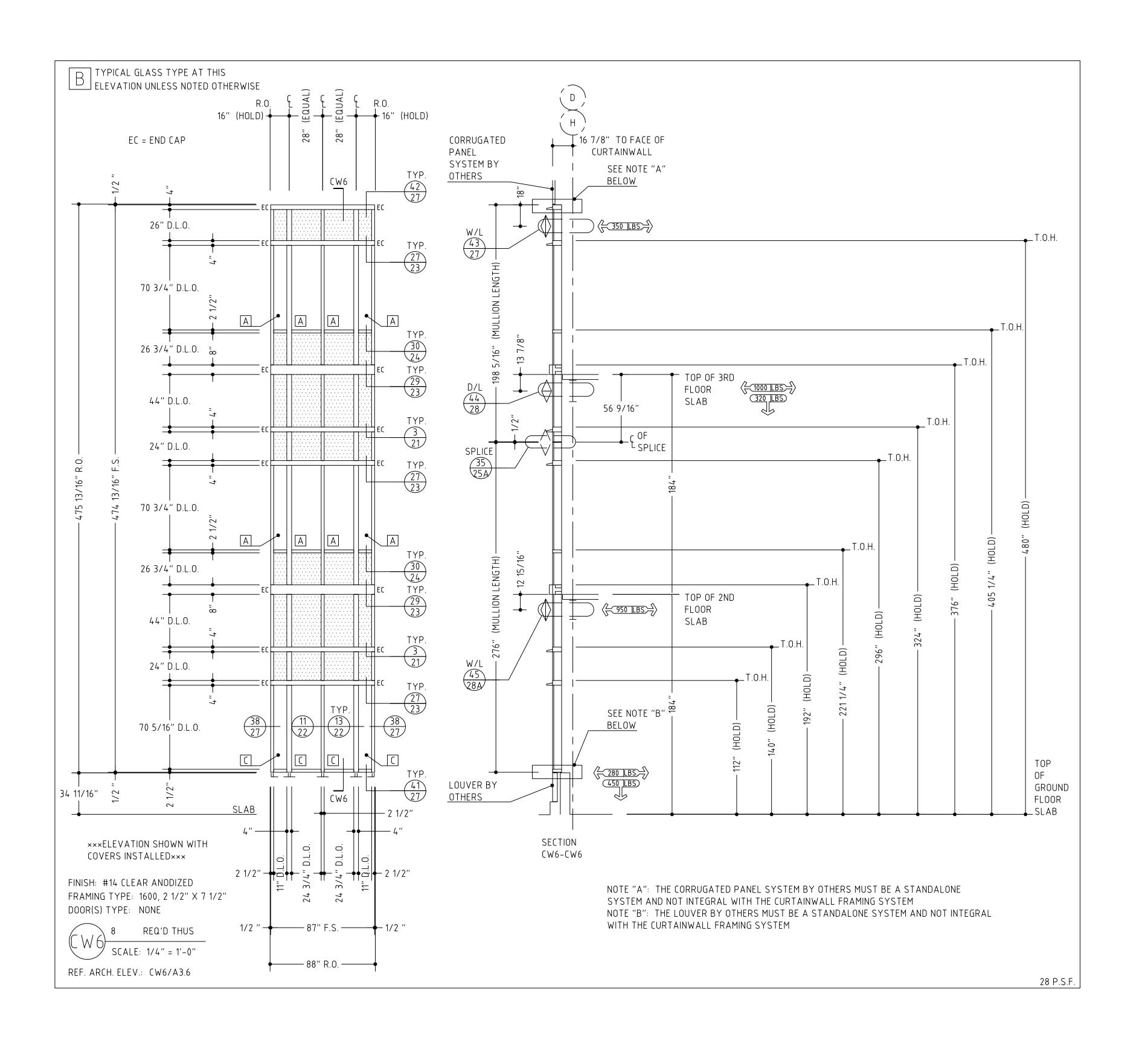


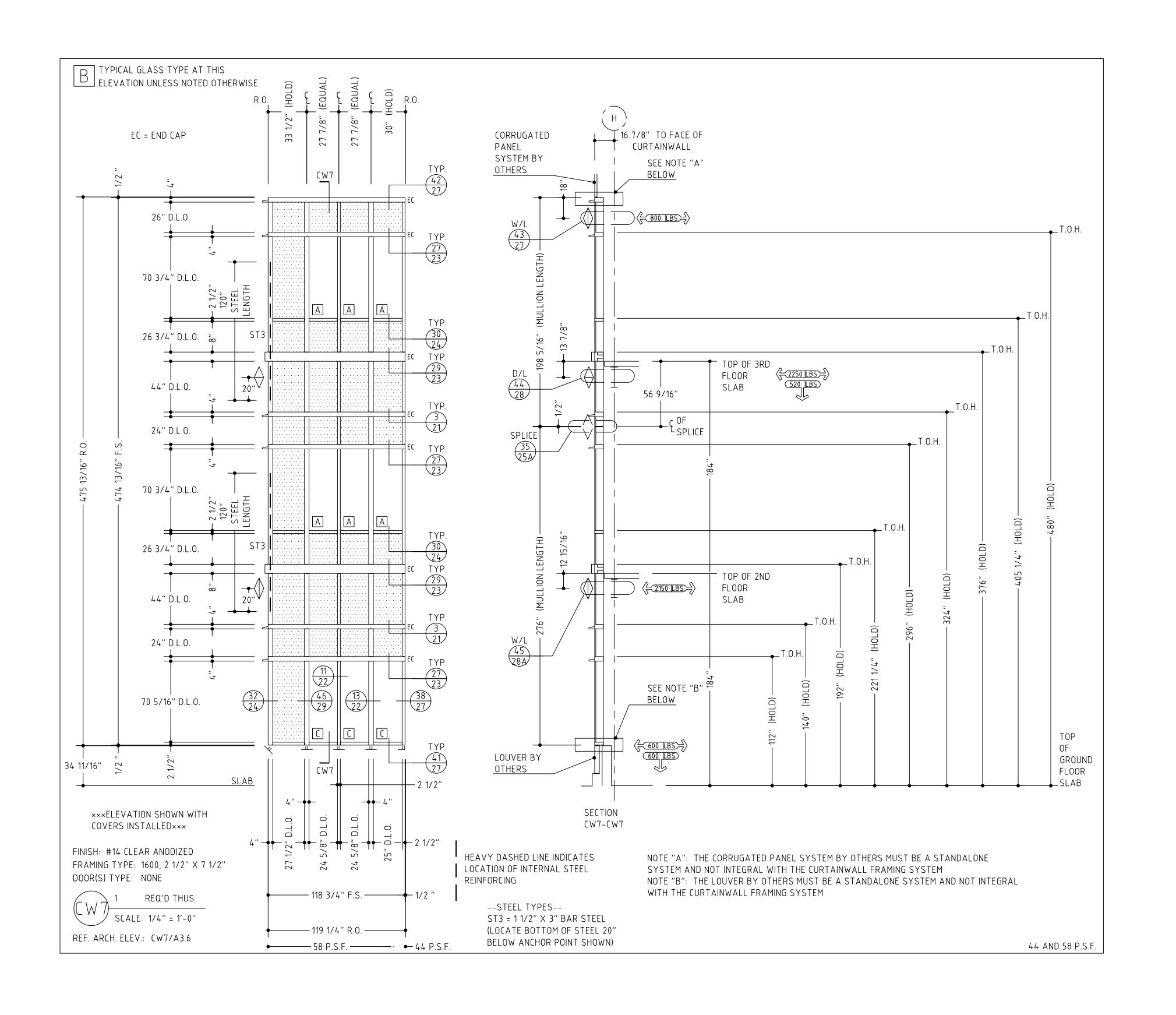


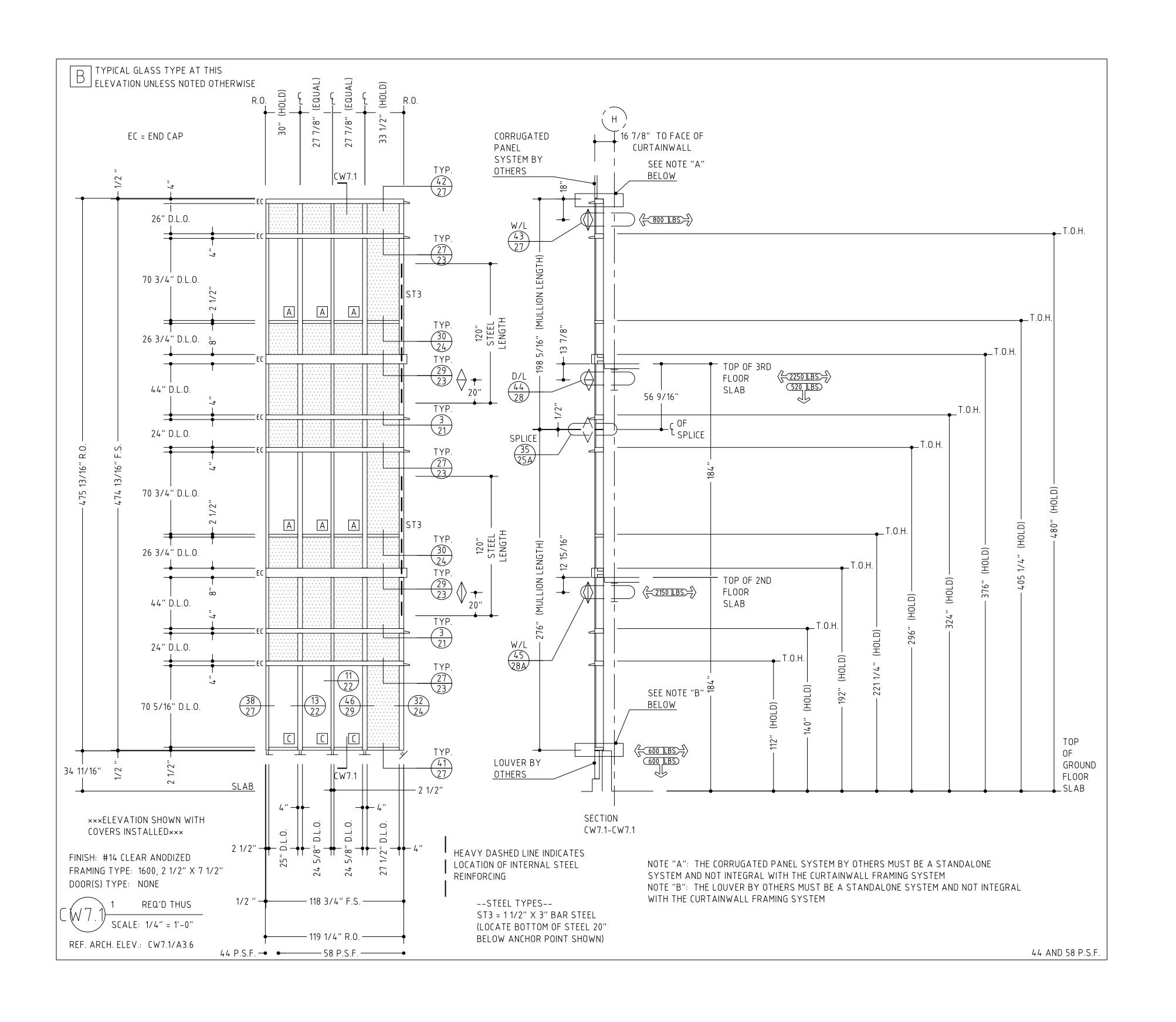


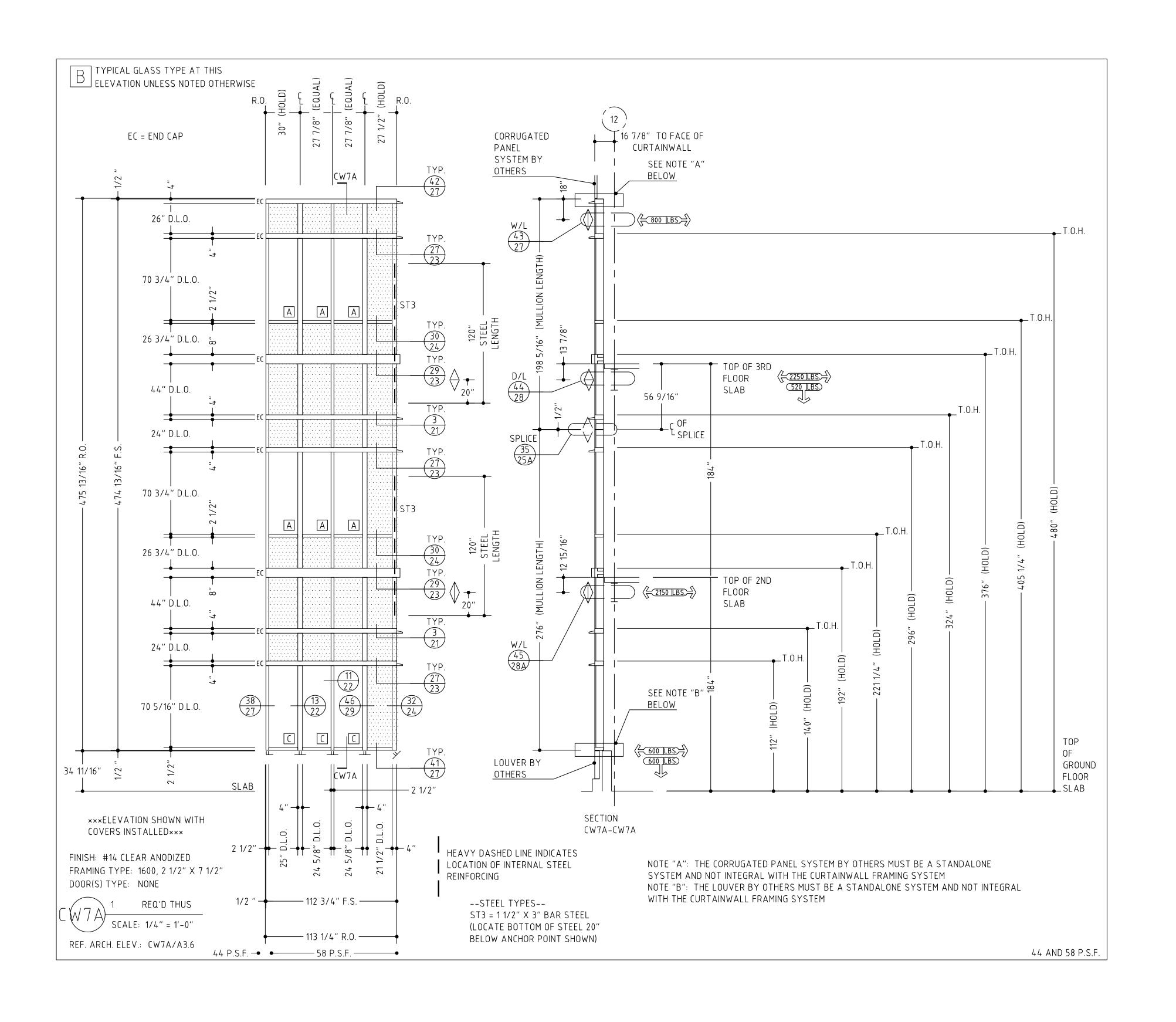


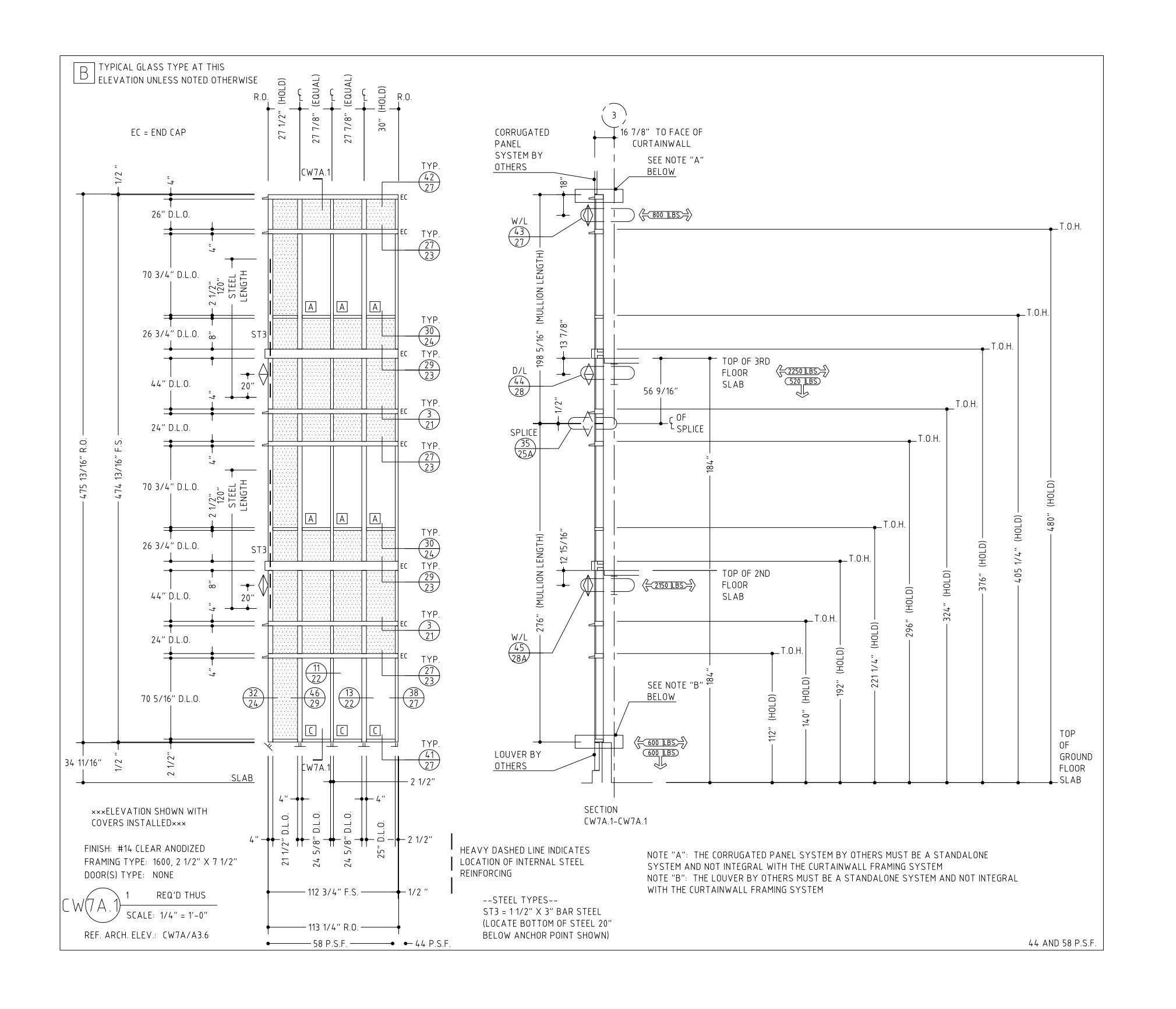


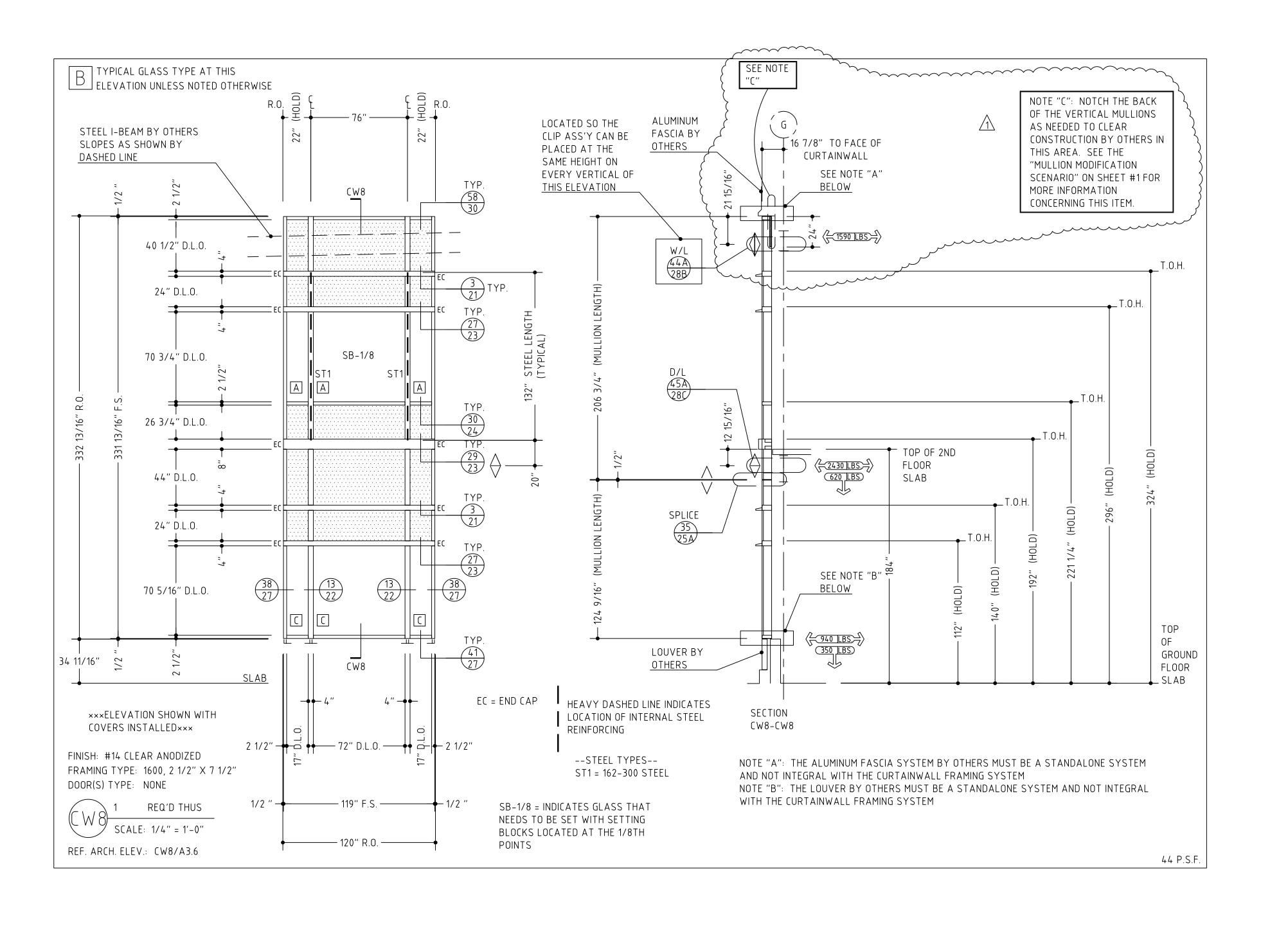




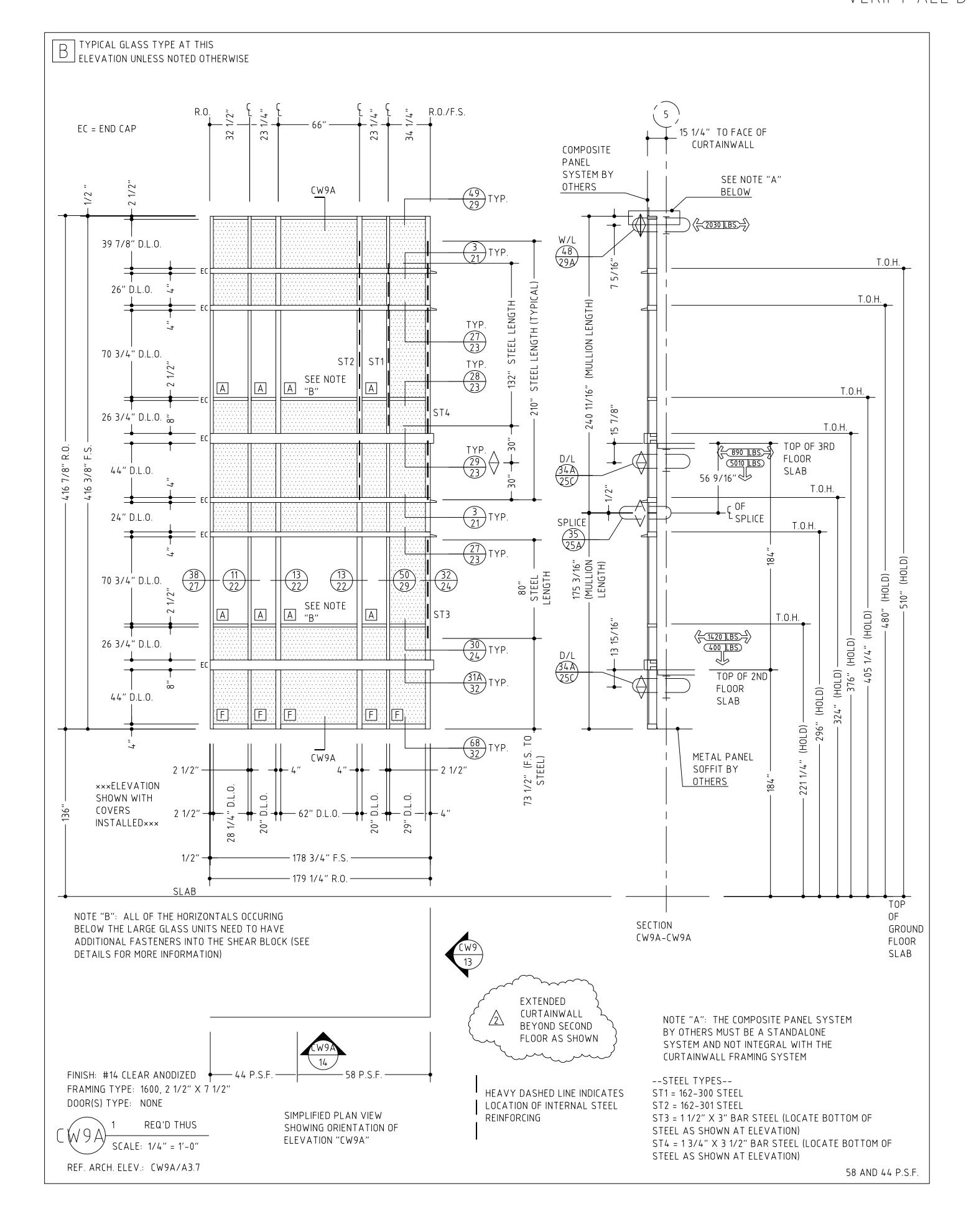


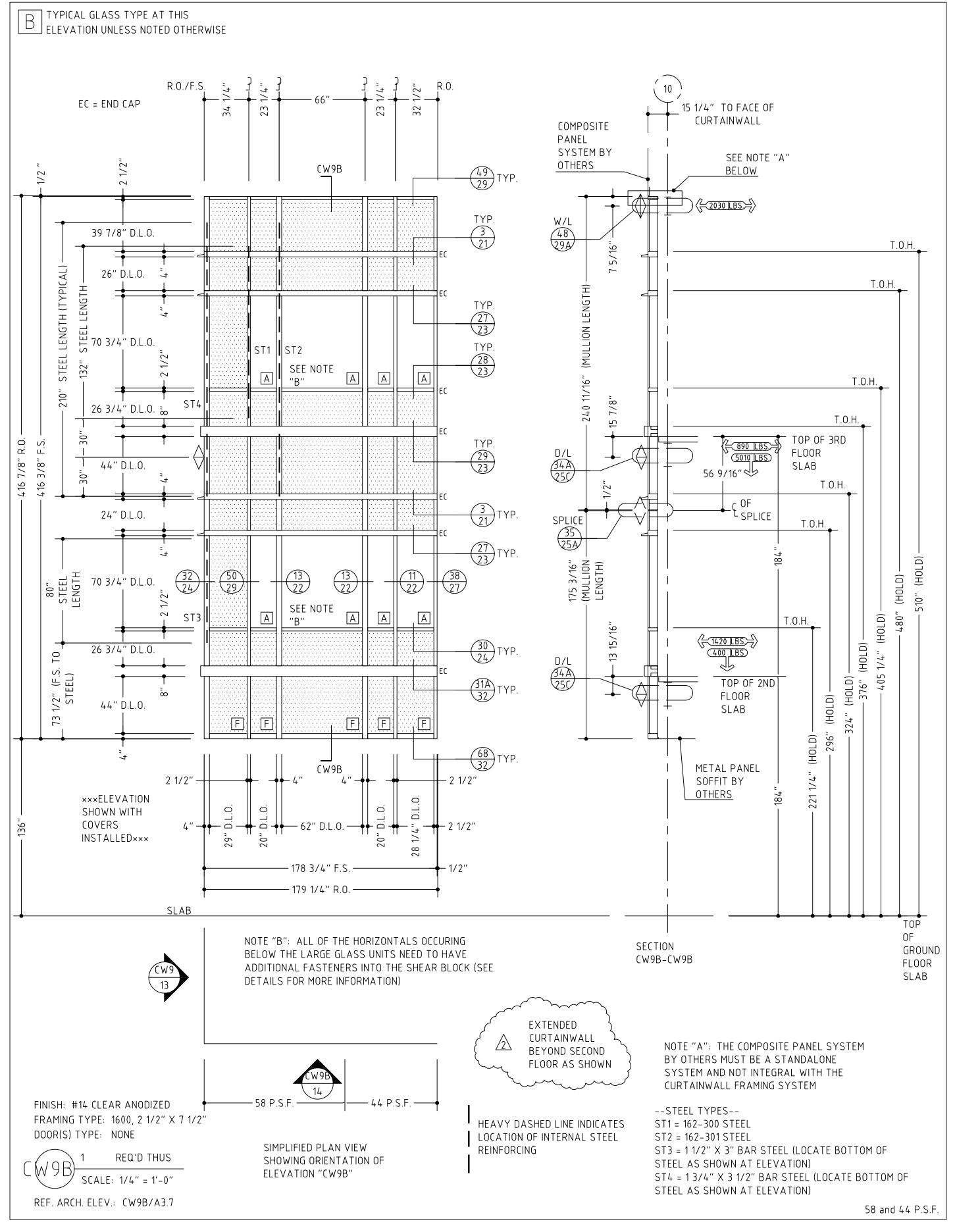


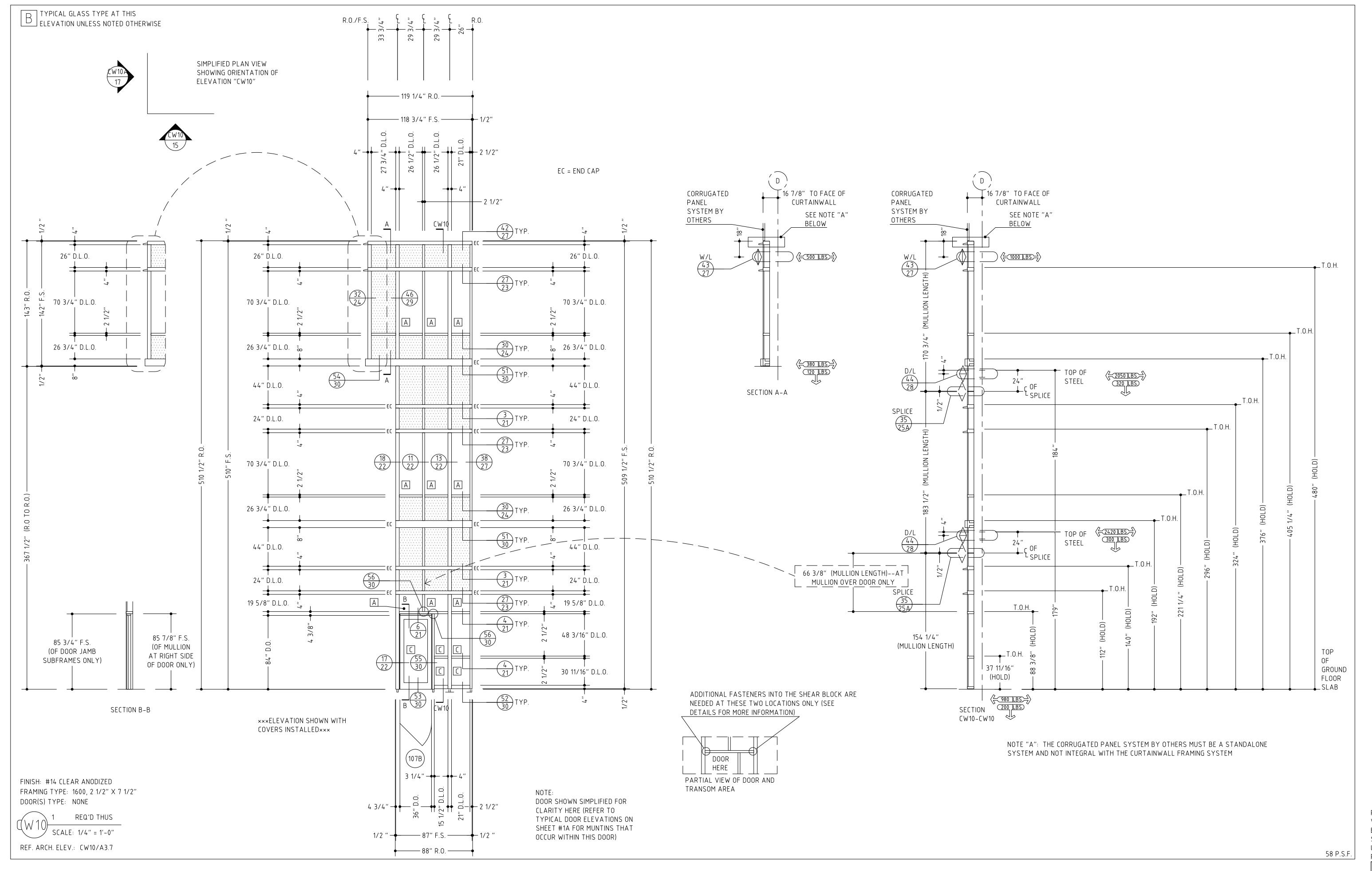


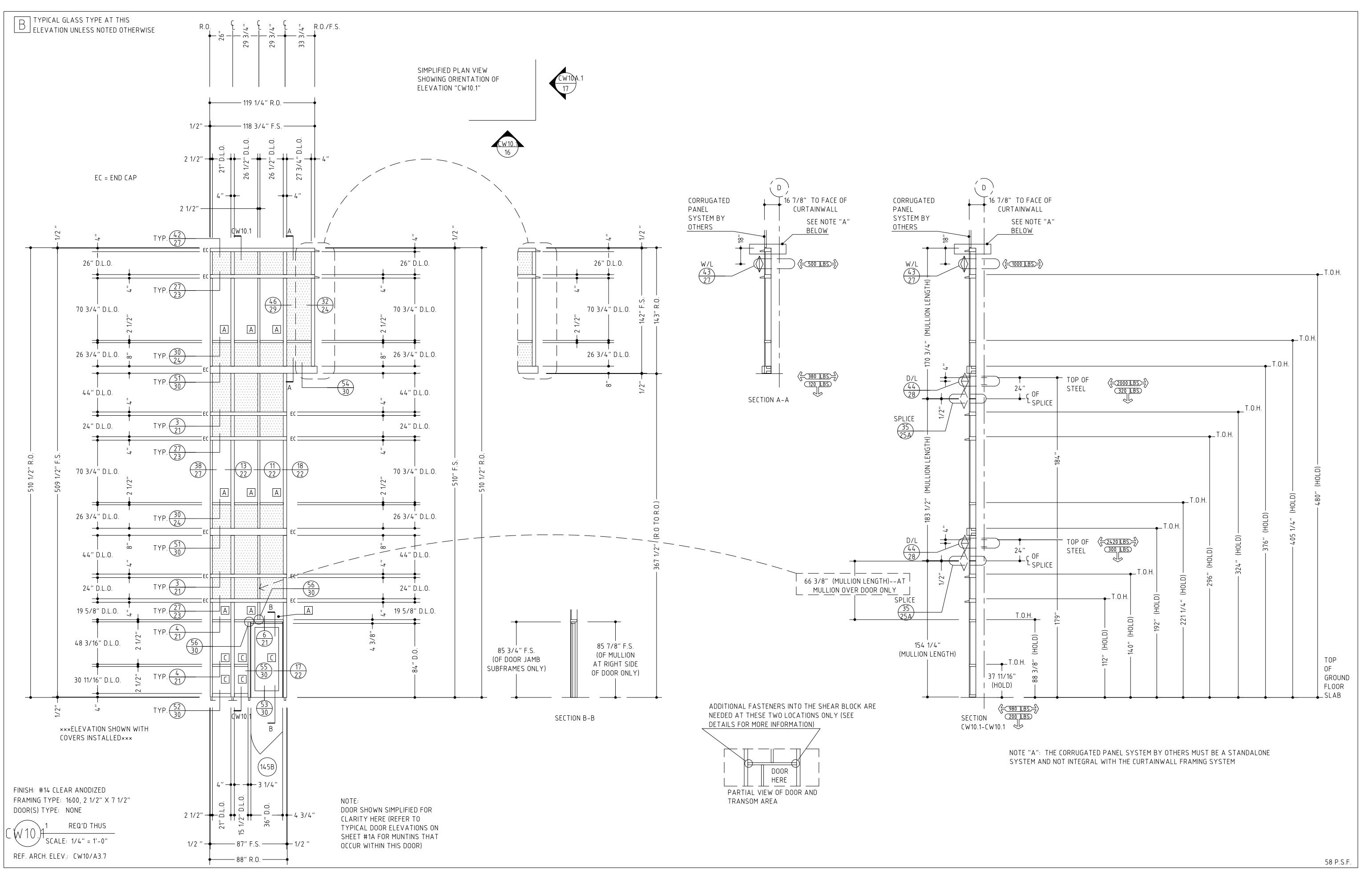


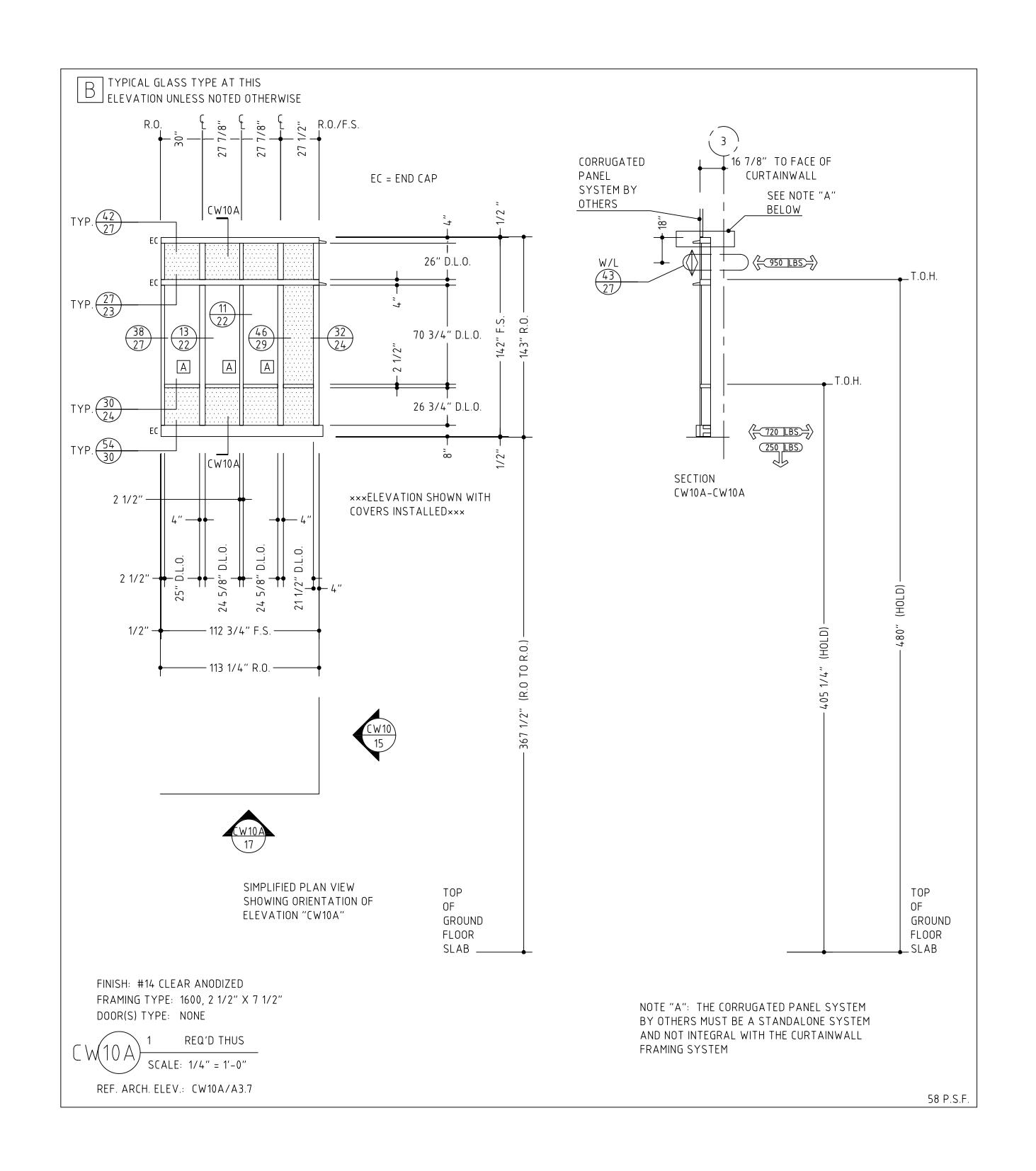


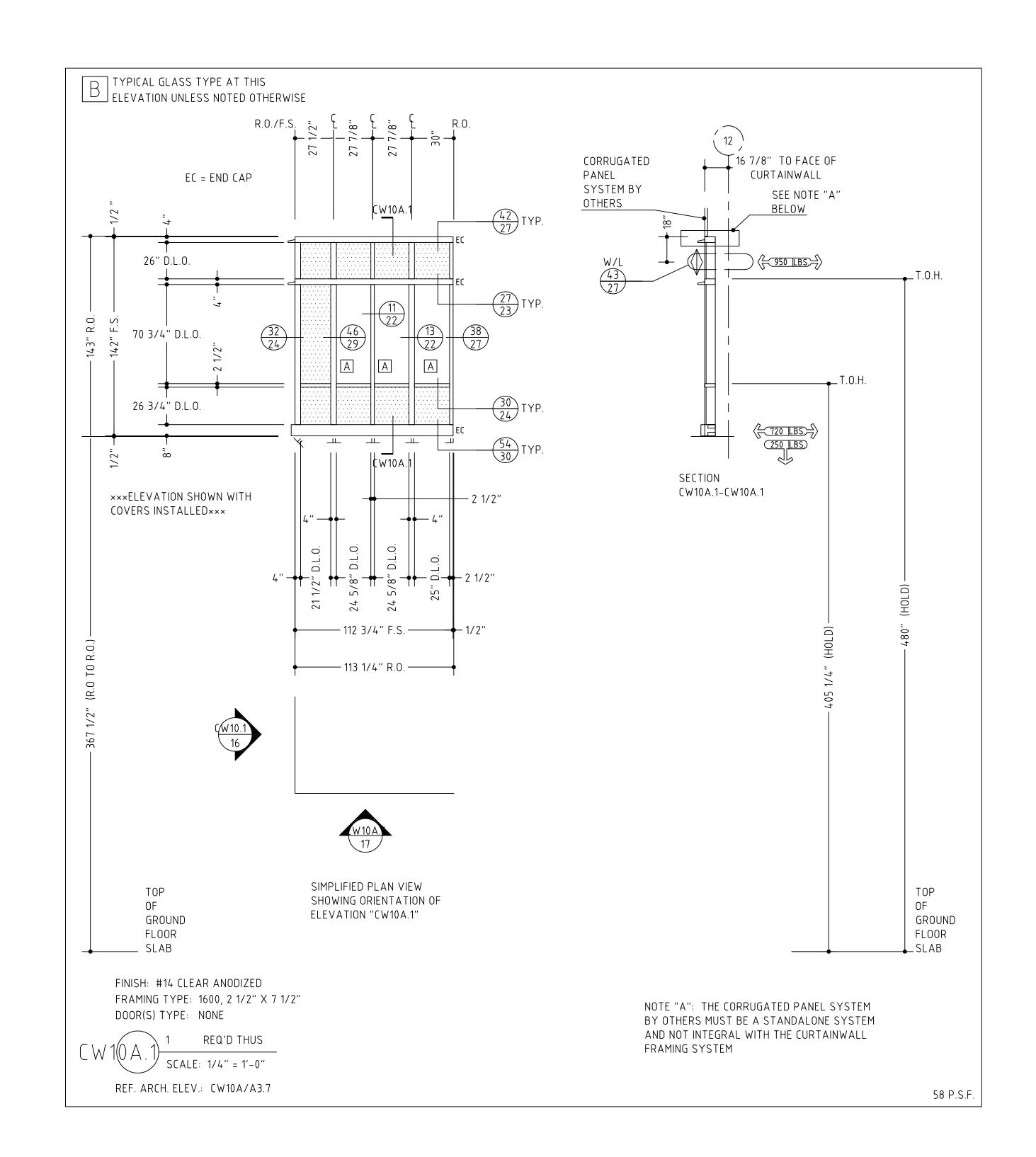


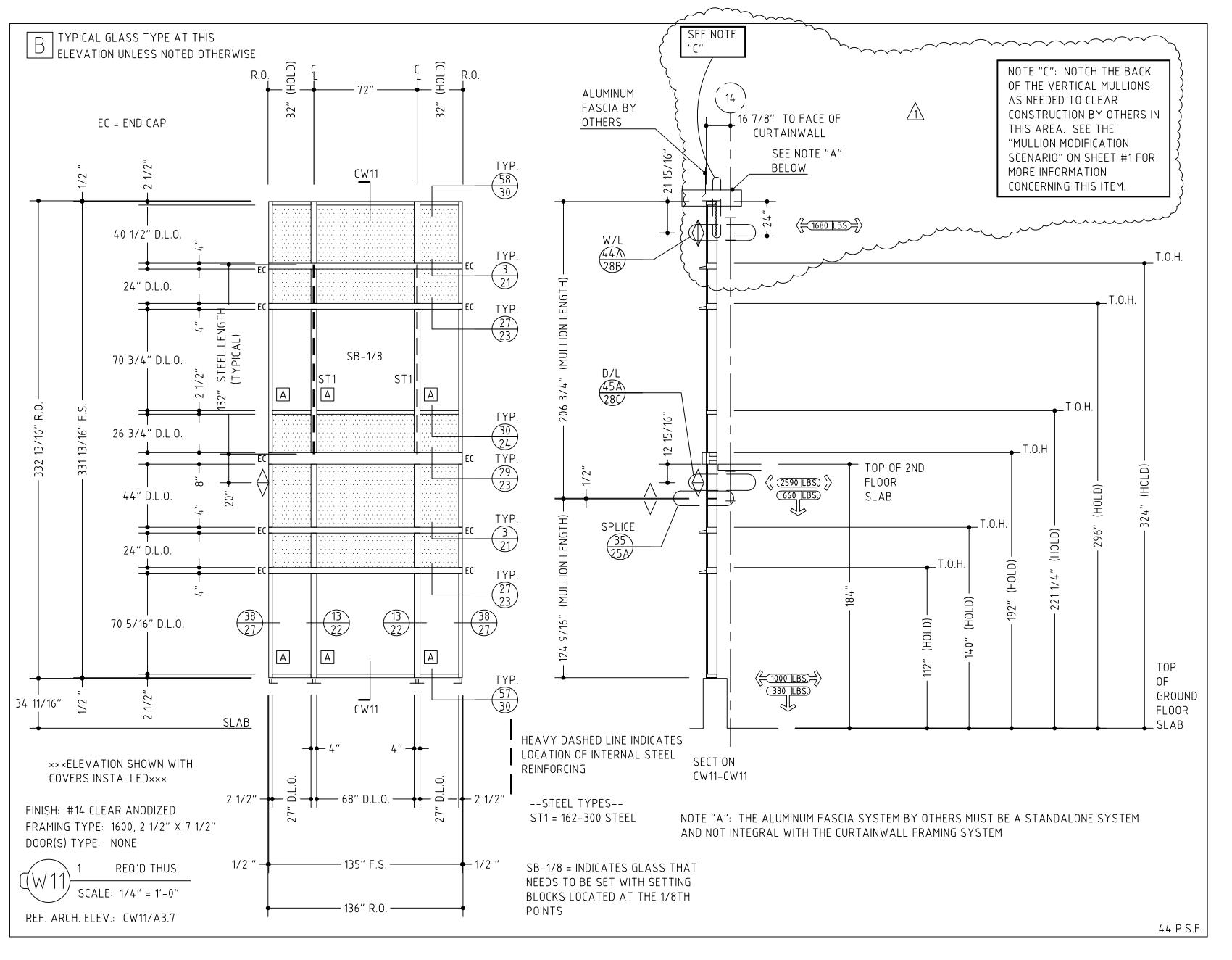


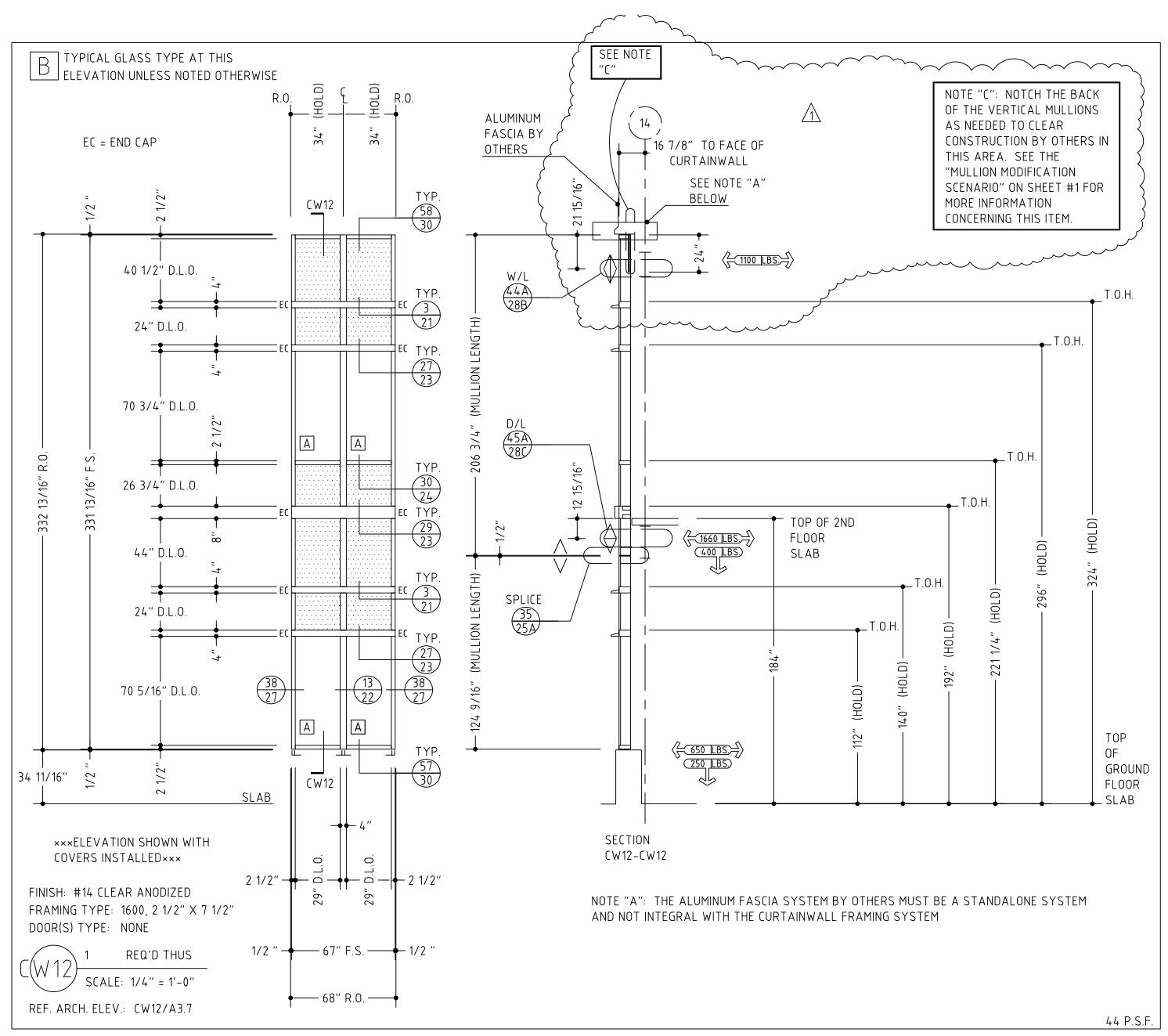


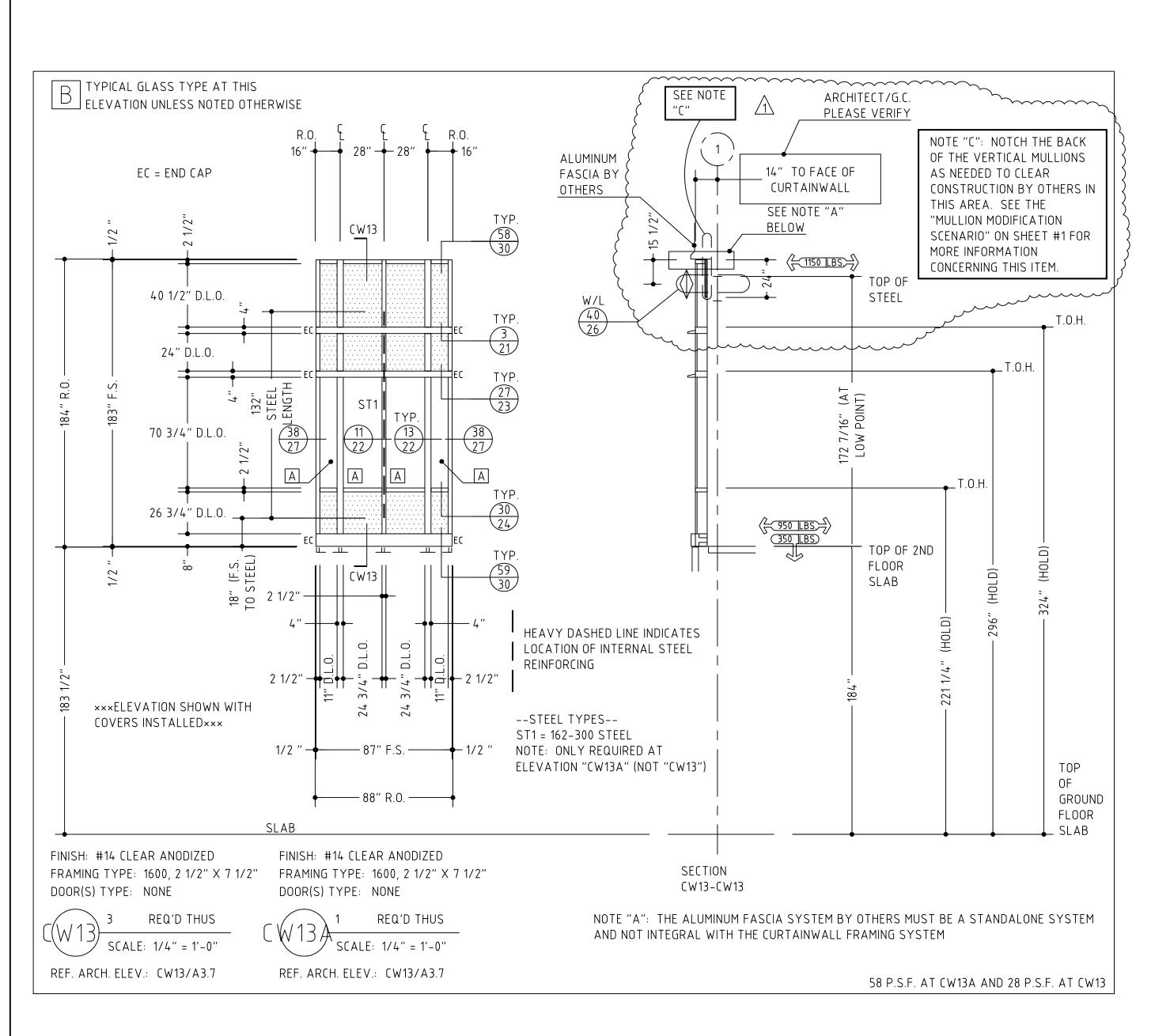


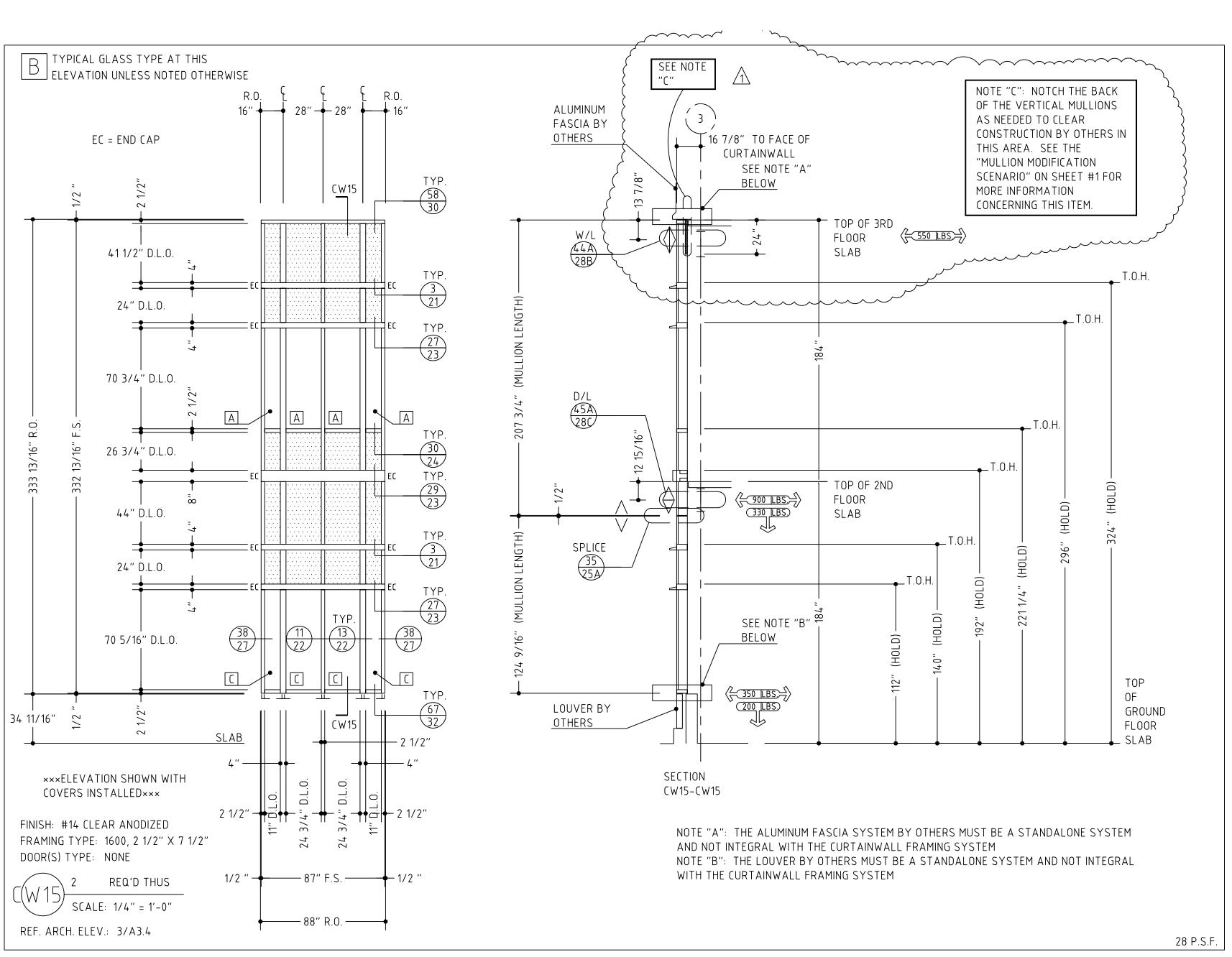


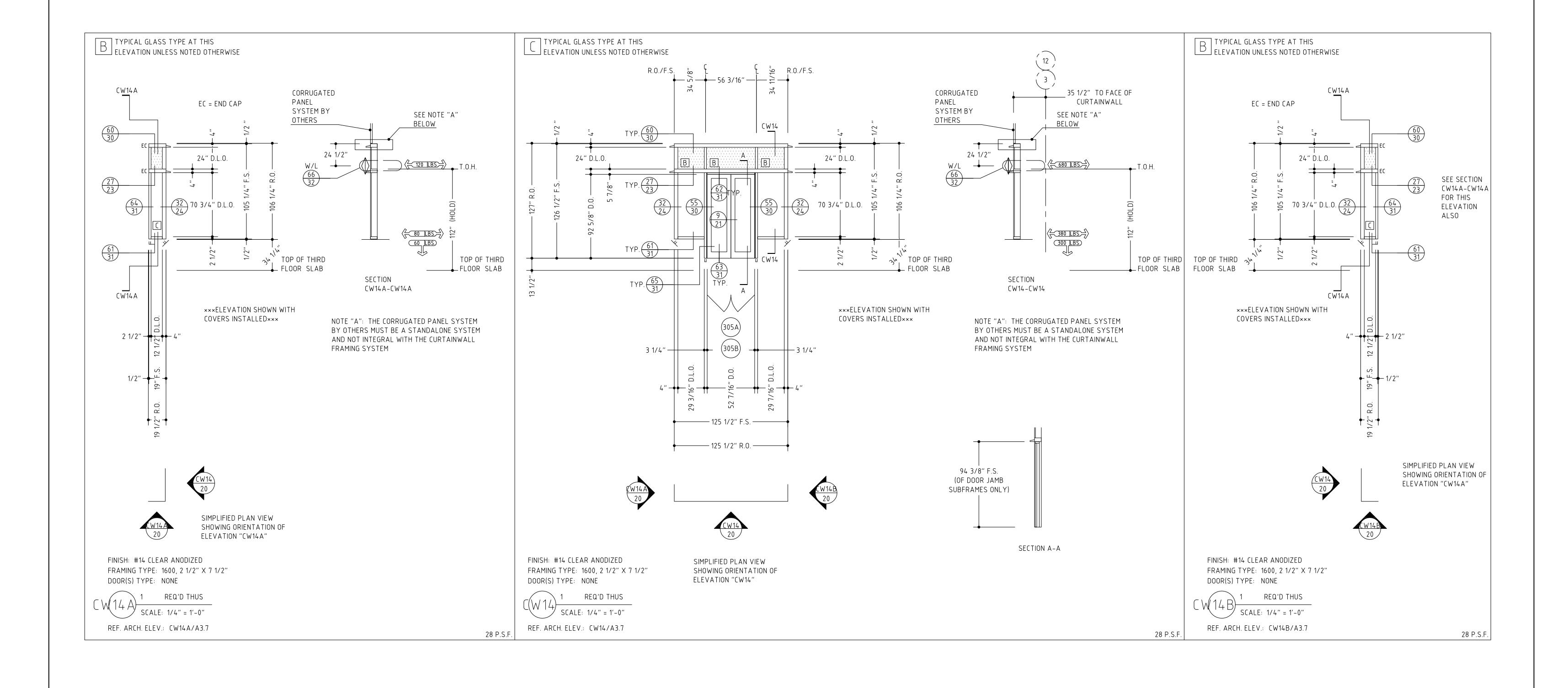


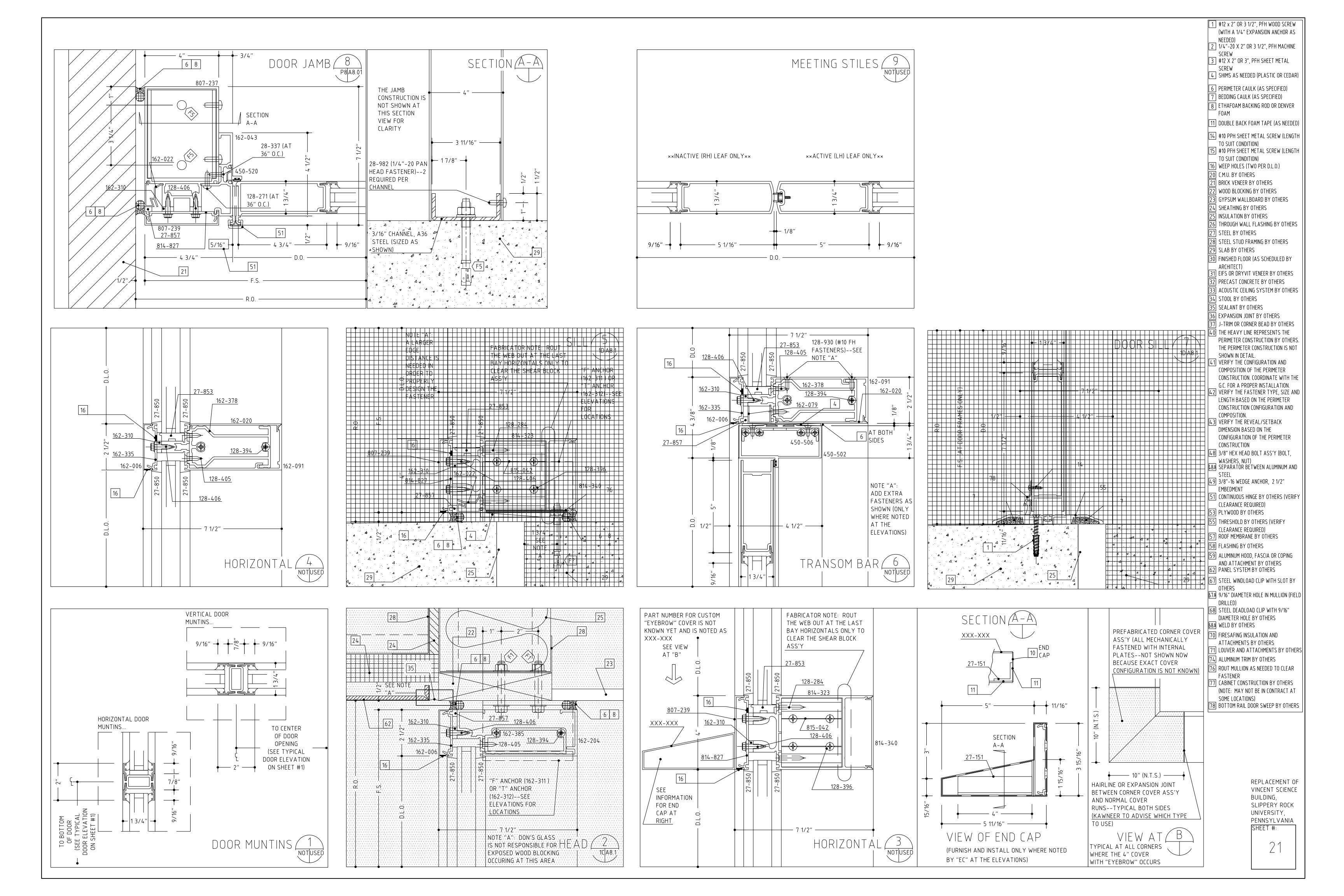


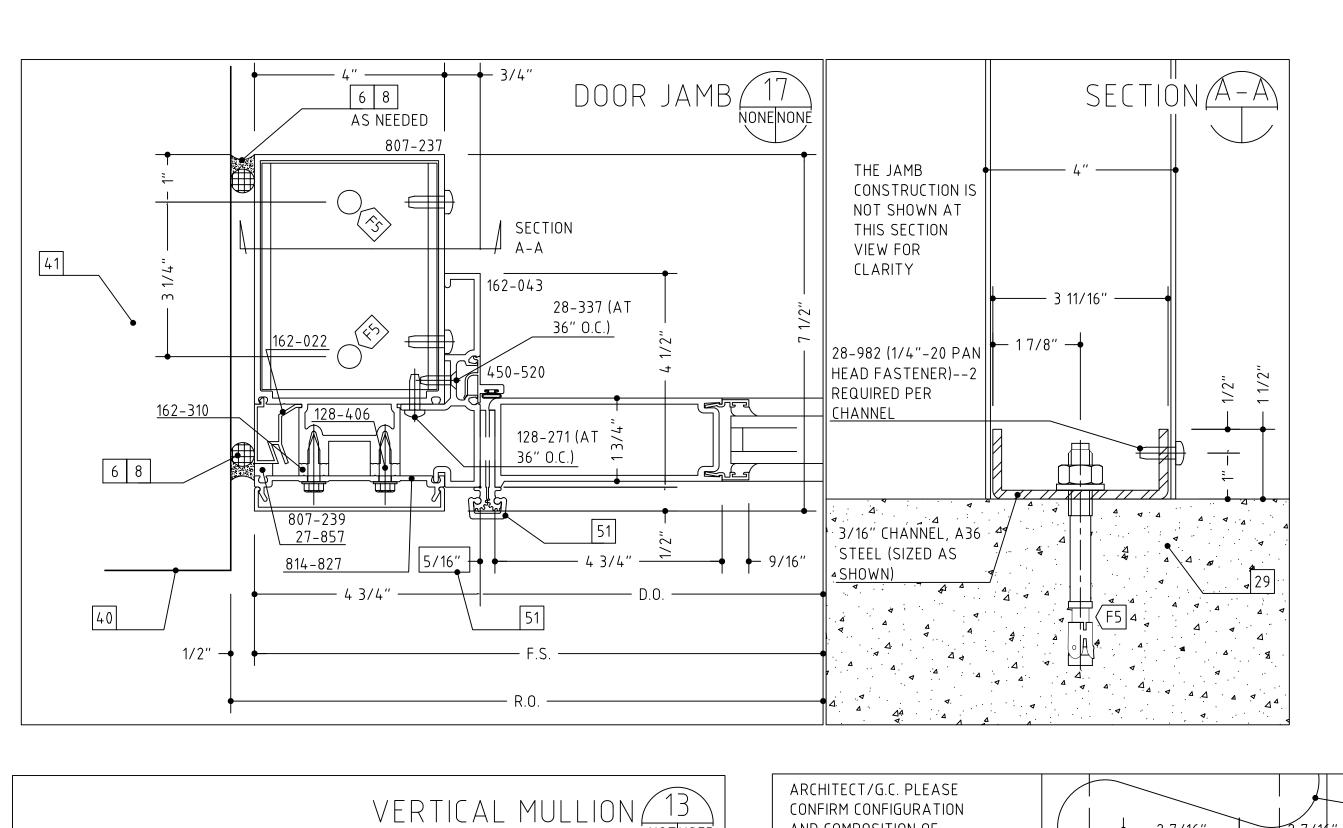


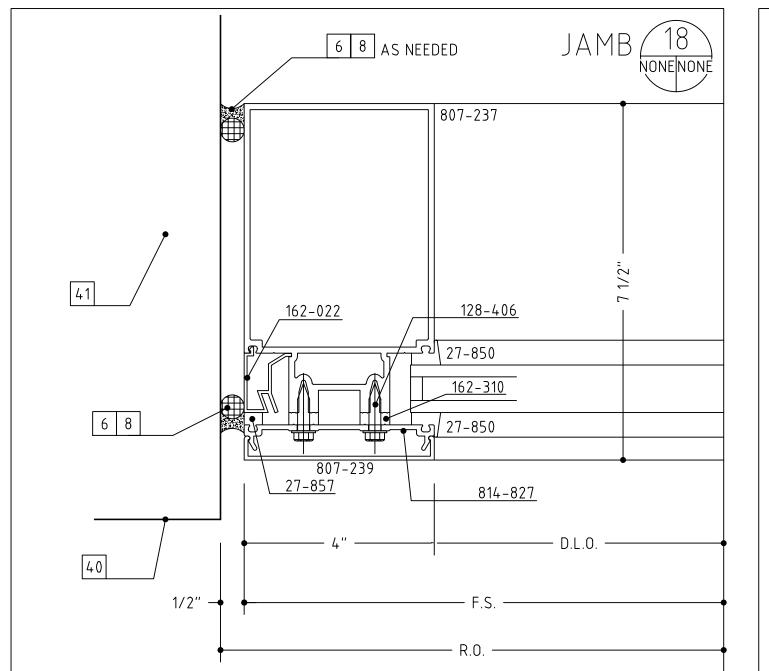


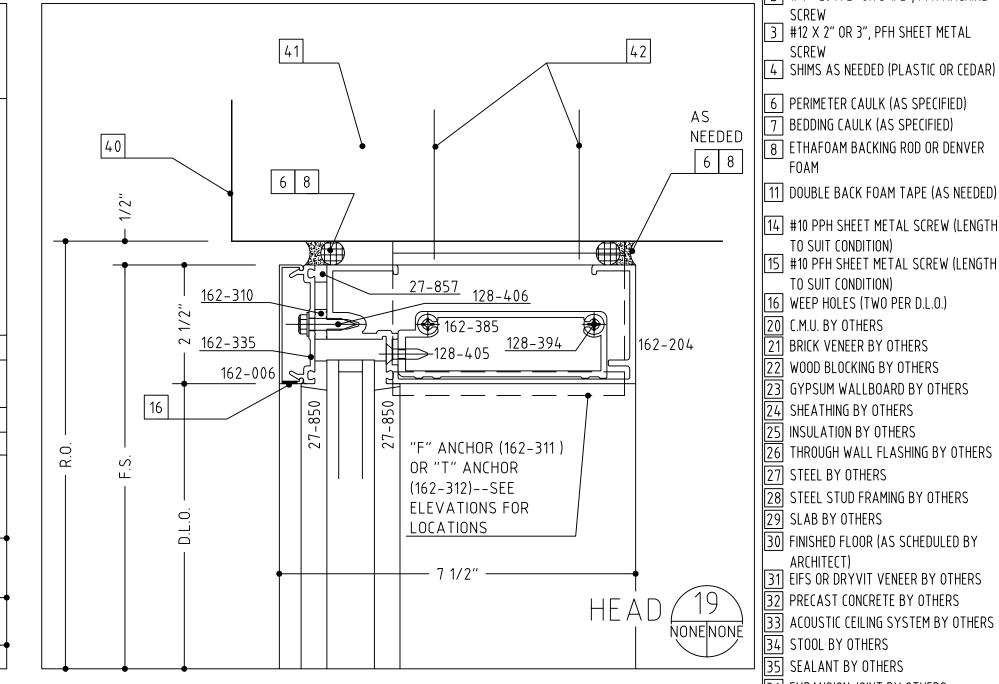












1 #12 x 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS

2 1/4"-20 X 2" OR 3 1/2", PFH MACHINE

5 | PERIMETER CAULK (AS SPECIFIED)

BEDDING CAULK (AS SPECIFIED)

ETHAFOAM BACKING ROD OR DENVER

11 DOUBLE BACK FOAM TAPE (AS NEEDED)

TO SUIT CONDITION)

TO SUIT CONDITION)

0 C.M.U. BY OTHERS

16 WEEP HOLES (TWO PER D.L.O.)

BRICK VENEER BY OTHERS

WOOD BLOCKING BY OTHERS

4 SHEATHING BY OTHERS

5 INSULATION BY OTHERS

7 STEEL BY OTHERS

9 SLAB BY OTHERS

STOOL BY OTHERS SEALANT BY OTHERS

SHOWN IN DETAIL.

COMPOSITION.

CONSTRUCTION

WASHERS, NUT)

EMBEDMENT

CLEARANCE REQUIRED)

CLEARANCE REQUIRED)

THRESHOLD BY OTHERS (VERIFY

ALUMINUM HOOD, FASCIA OR COPING

67A 9/16" DIAMETER HOLE IN MULLION (FIELD

REPLACEMENT OF VINCENT SCIENCE

SLIPPERY ROCK

PENNSYLVANIA

UNIVERSITY,

SHEET #:

BUILDING,

AND ATTACHMENT BY OTHERS

2 PANEL SYSTEM BY OTHERS

GYPSUM WALLBOARD BY OTHERS

6 THROUGH WALL FLASHING BY OTHERS

8 STEEL STUD FRAMING BY OTHERS

0 FINISHED FLOOR (AS SCHEDULED BY

1 EIFS OR DRYVIT VENEER BY OTHERS PRECAST CONCRETE BY OTHERS

EXPANSION JOINT BY OTHERS

ACOUSTIC CEILING SYSTEM BY OTHERS

J-TRIM OR CORNER BEAD BY OTHERS THE HEAVY LINE REPRESENTS THE

PERIMETER CONSTRUCTION BY OTHERS.

THE PERIMETER CONSTRUCTION IS NOT

CONSTRUCTION. COORDINATE WITH THE

1 VERIFY THE CONFIGURATION AND

COMPOSITION OF THE PERIMETER

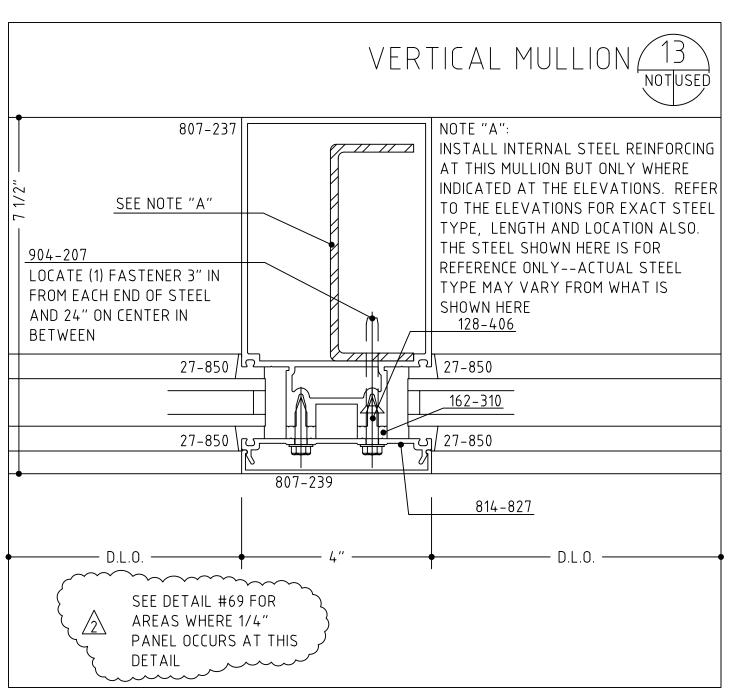
G.C. FOR A PROPER INSTALLATION.

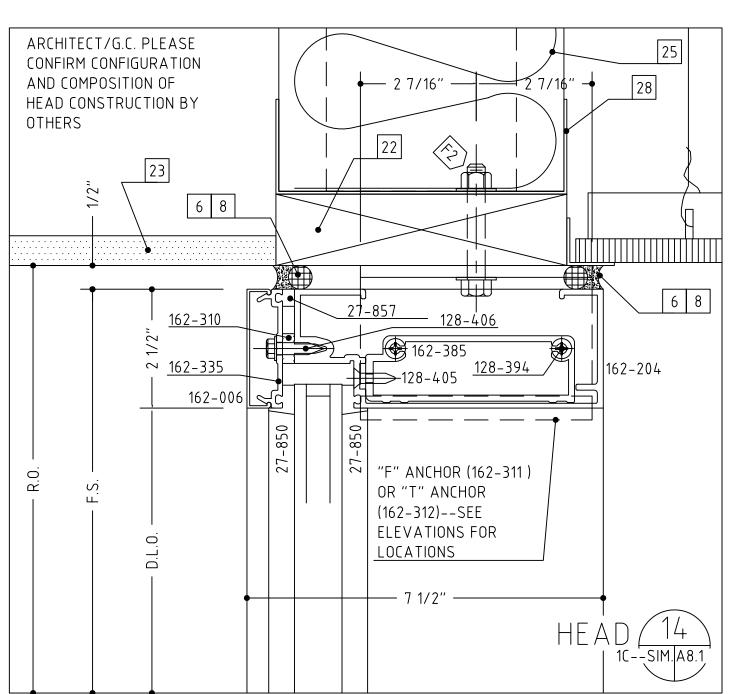
LENGTH BASED ON THE PERIMETER

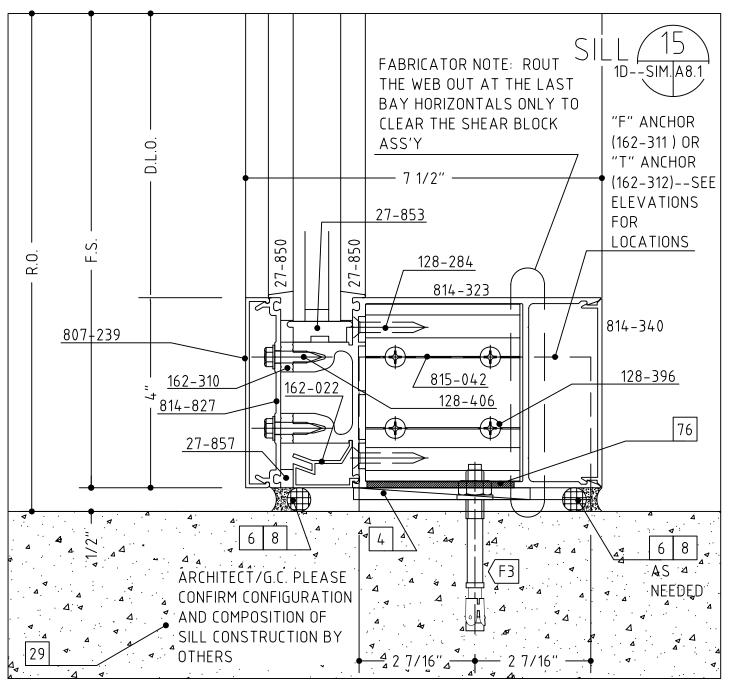
CONSTRUCTION CONFIGURATION AND

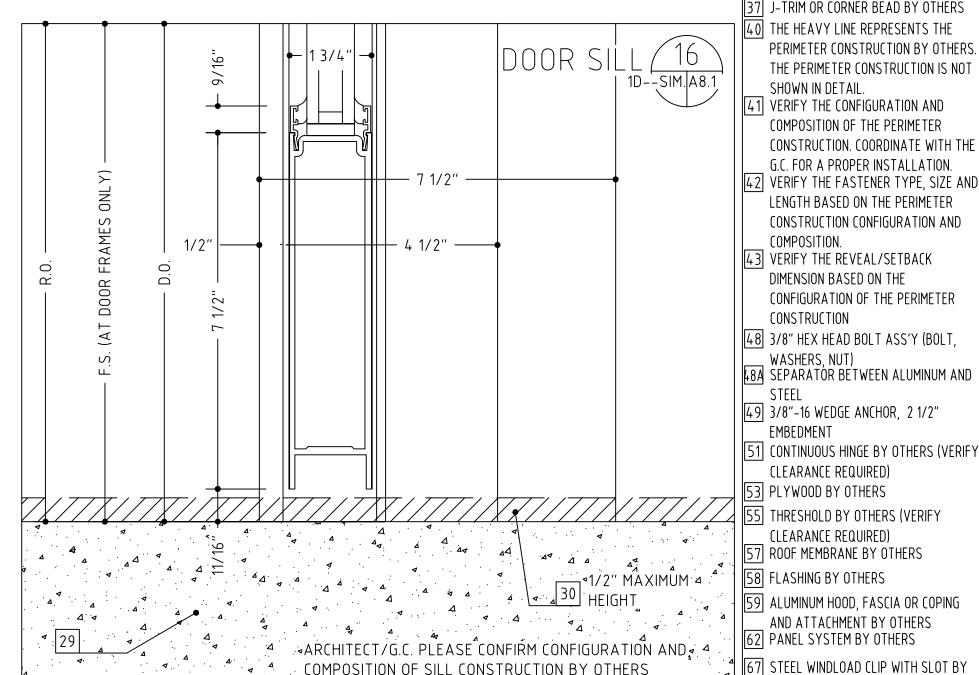
CONFIGURATION OF THE PERIMETER

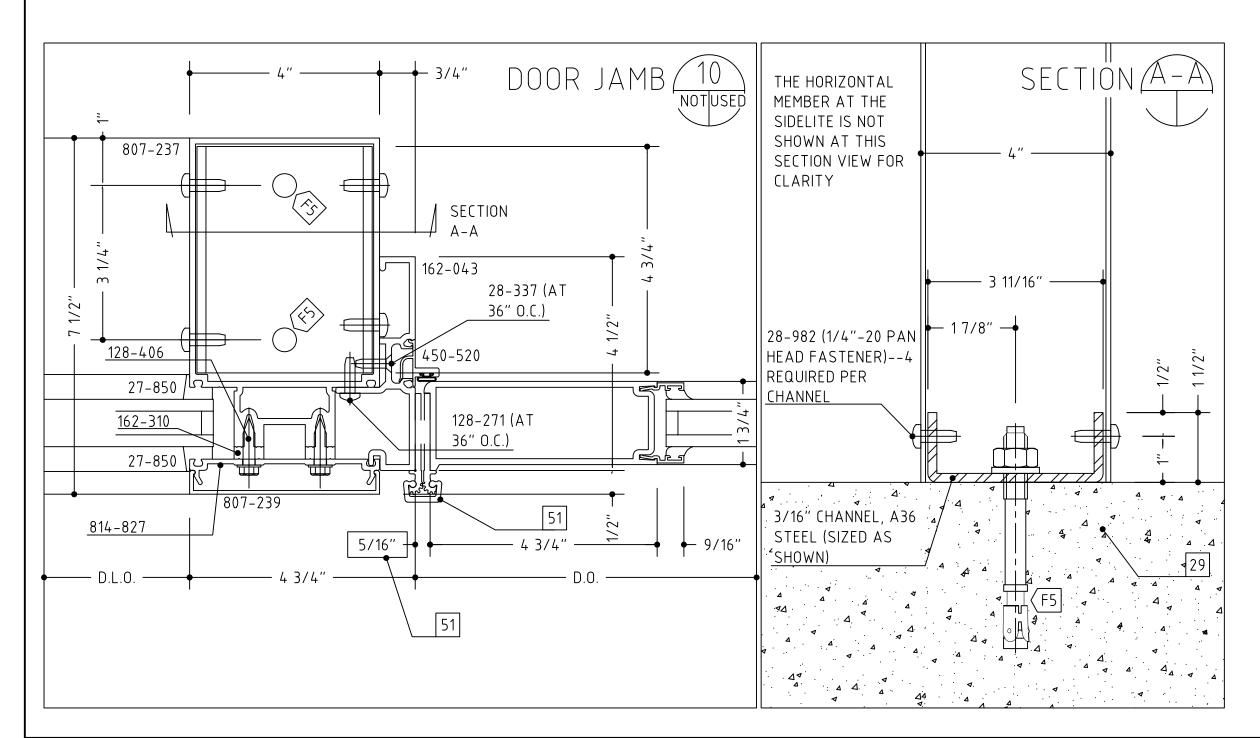
DIMENSION BASED ON THE

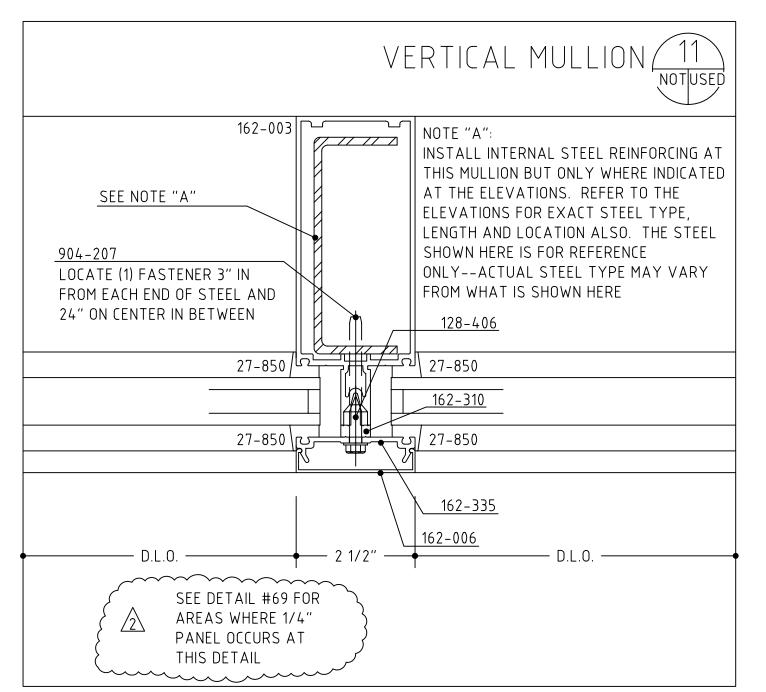


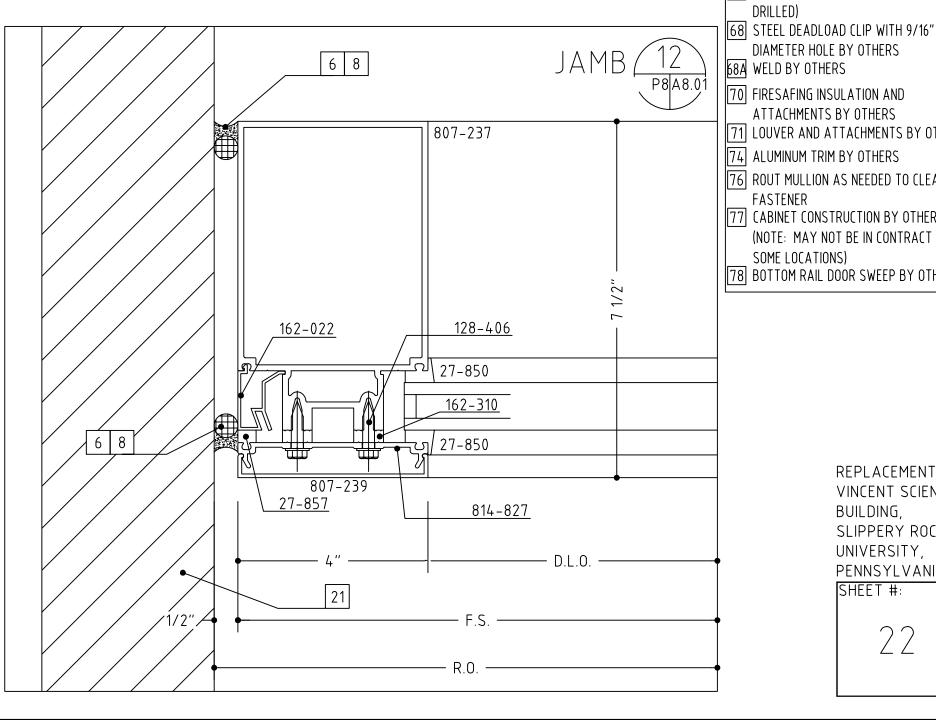




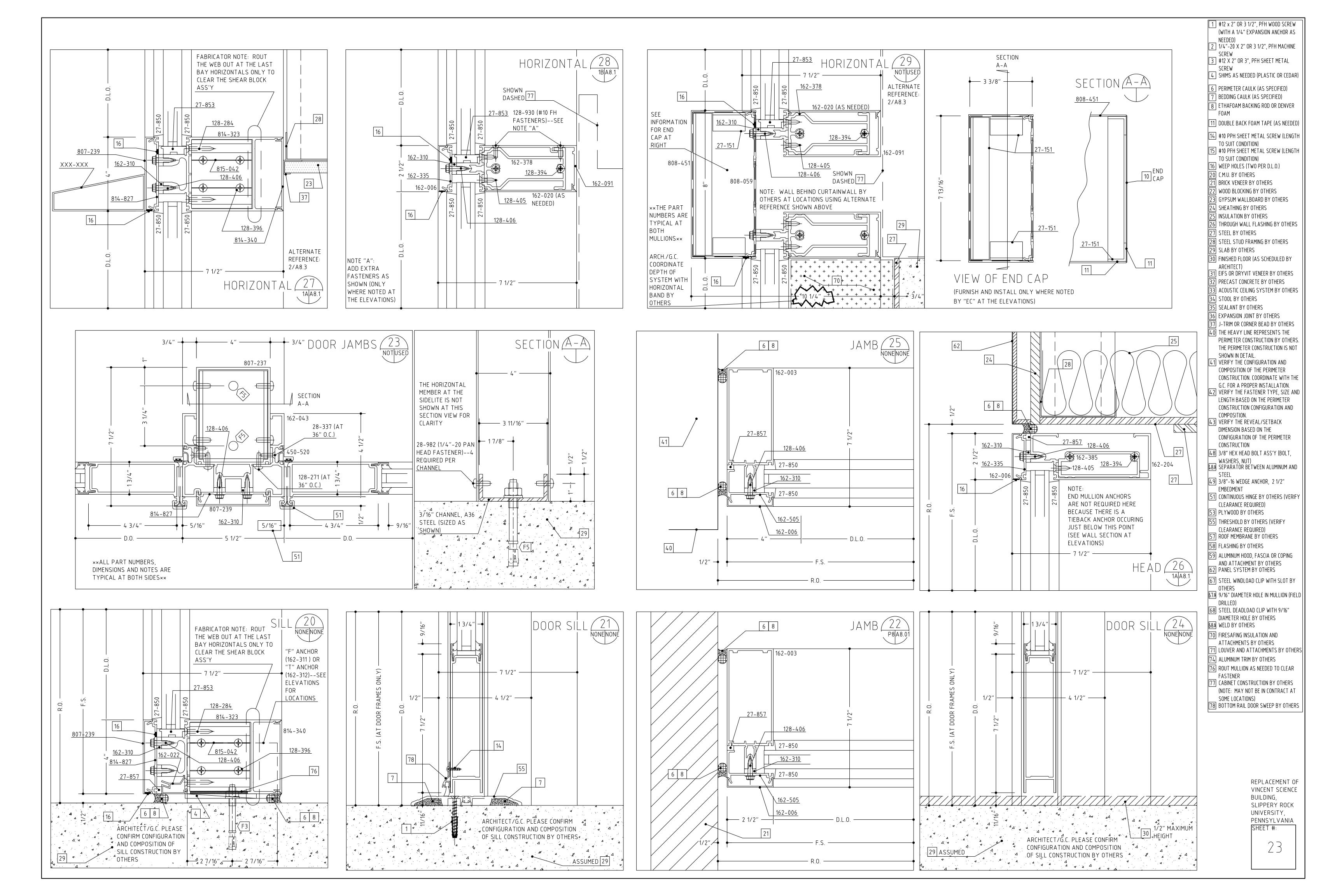


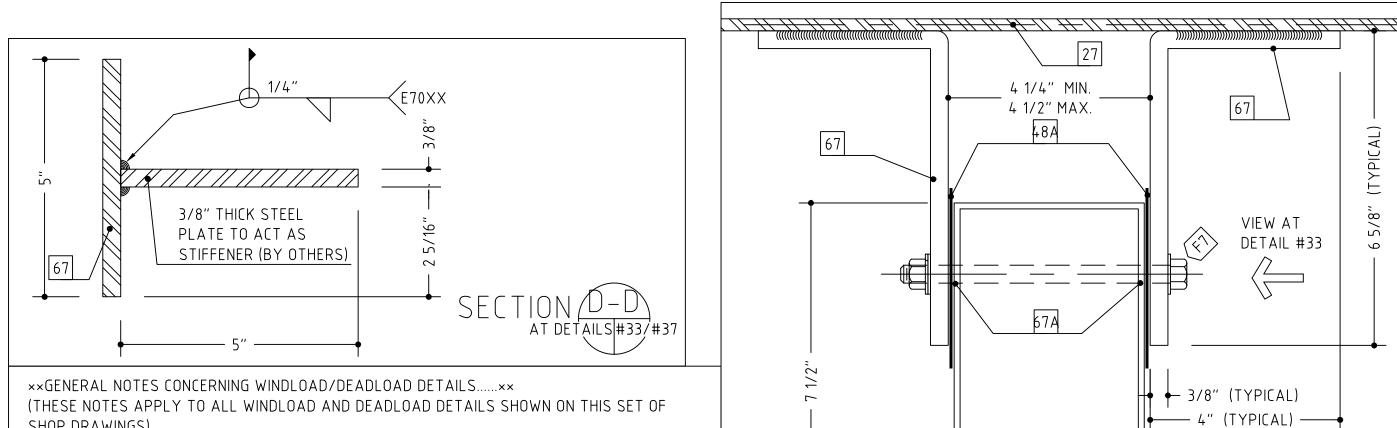






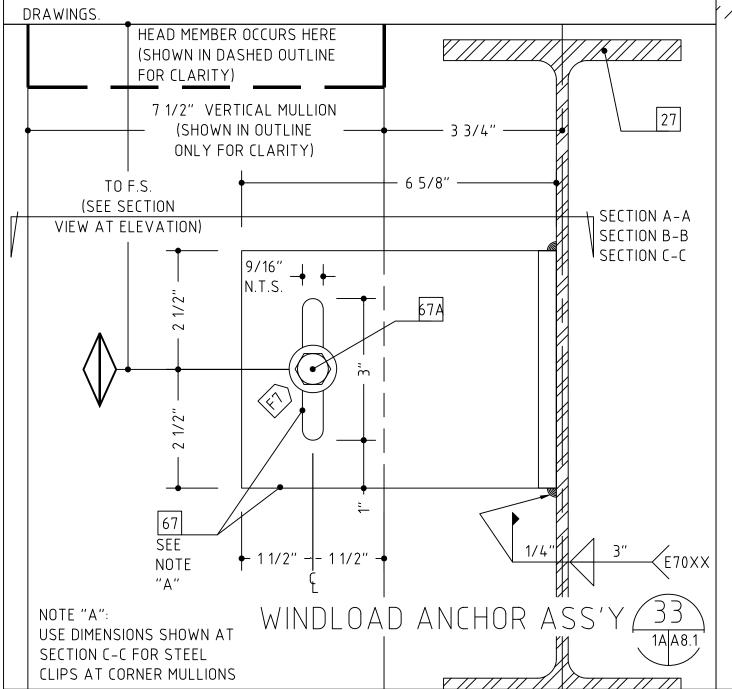
DIAMETER HOLE BY OTHERS 68A WELD BY OTHERS 70 FIRESAFING INSULATION AND ATTACHMENTS BY OTHERS 1 LOUVER AND ATTACHMENTS BY OTHERS 74 ALUMINUM TRIM BY OTHERS 76 ROUT MULLION AS NEEDED TO CLEAR FASTENER 77 CABINET CONSTRUCTION BY OTHERS (NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS) 78 BOTTOM RAIL DOOR SWEEP BY OTHERS

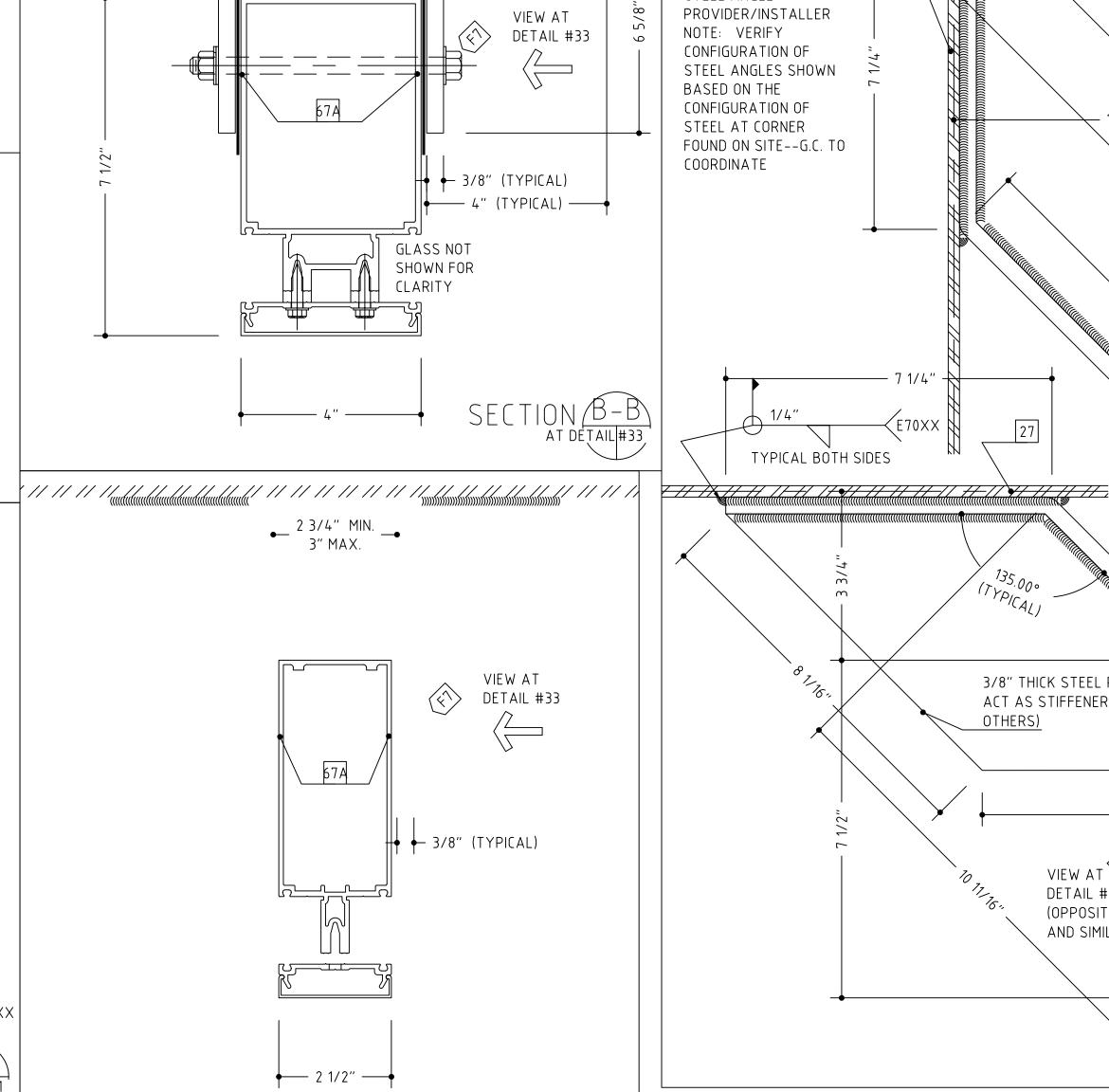




SHOP DRAWINGS)

- 1. ALL STEEL ANGLES (INCLUDING HOLES AND SLOTS) ARE FURNISHED AND INSTALLED BY OTHERS. THEY NEED TO BE A36 STEEL.
- 2. ALL WELDED CONNECTIONS OF STEEL ANGLES ARE BY OTHERS.
- 3. ALL HOLES WITHIN THE ALUMINUM MULLIONS ARE FIELD DRILLED BY DON'S GLASS & MIRROR.
- 4. ALL FASTENERS AND SEPARATOR SHIMS ARE FURNISHED AND INSTALLED BY DON'S GLASS & MIRROR.
- 5. G.C. TO COORDINATE THE PROPER PLACEMENT AND INSTALLATION OF STEEL ANGLES BY OTHERS WITH DON'S GLASS & MIRROR TO INSURE THEY ARE INSTALLED WHERE NECESSARY. THE LOCATIONS MAY VARY FROM WHAT IS SHOWN ON THIS SET OF DRAWINGS AND MUST BE VERIFIED ONCE THE FINAL FRAME CONFIGURATIONS ARE DETERMINED.
- 6. BUILDING CONSTRUCTION (BY OTHERS) MUST BE ABLE TO WITHSTAND LOADS IMPOSED UPON IT BY THE WINDLOAD AND DEADLOAD ANCHOR ASSY'S SHOWN ON THIS SET OF SHOP

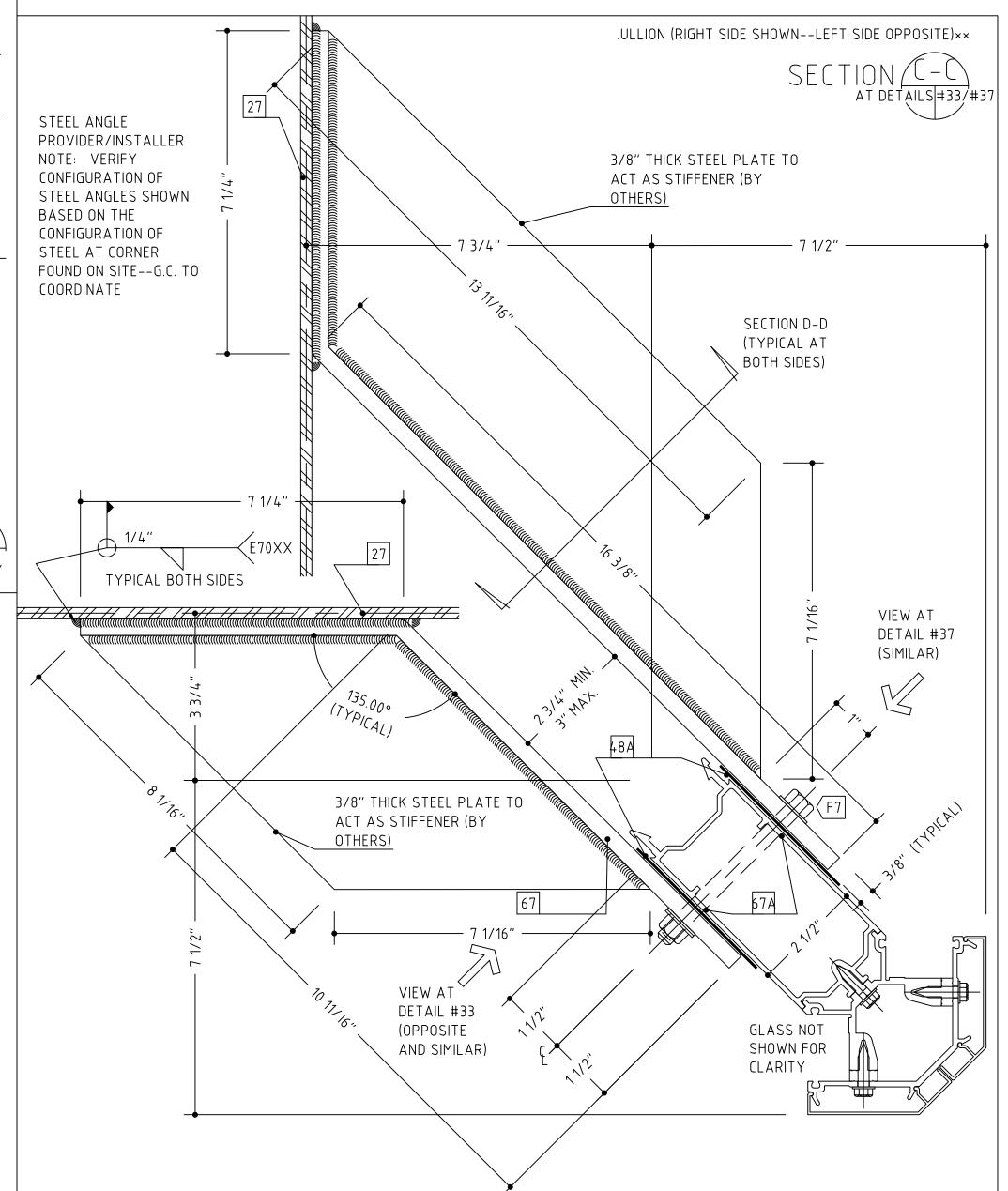


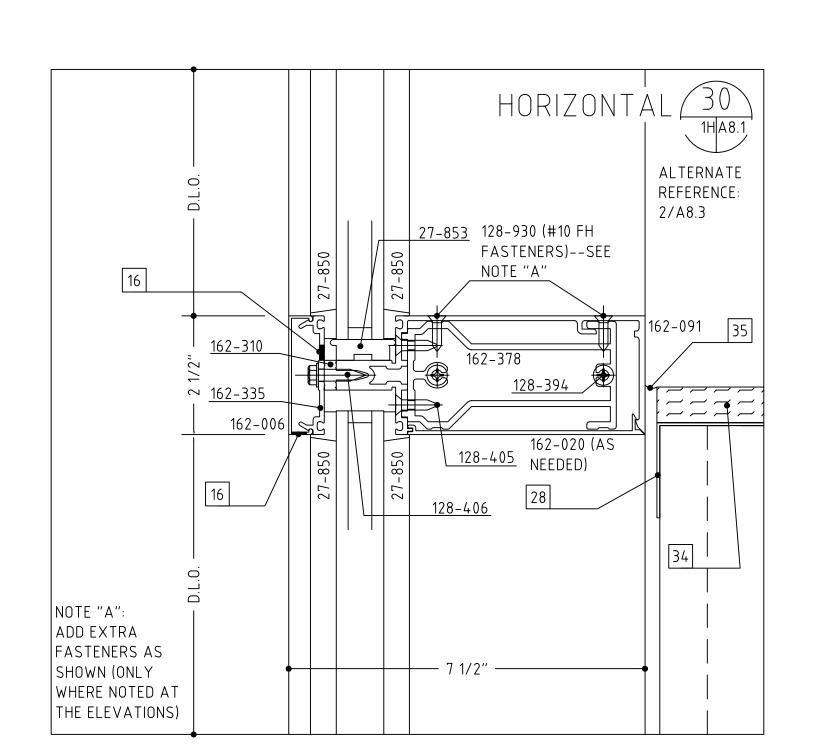


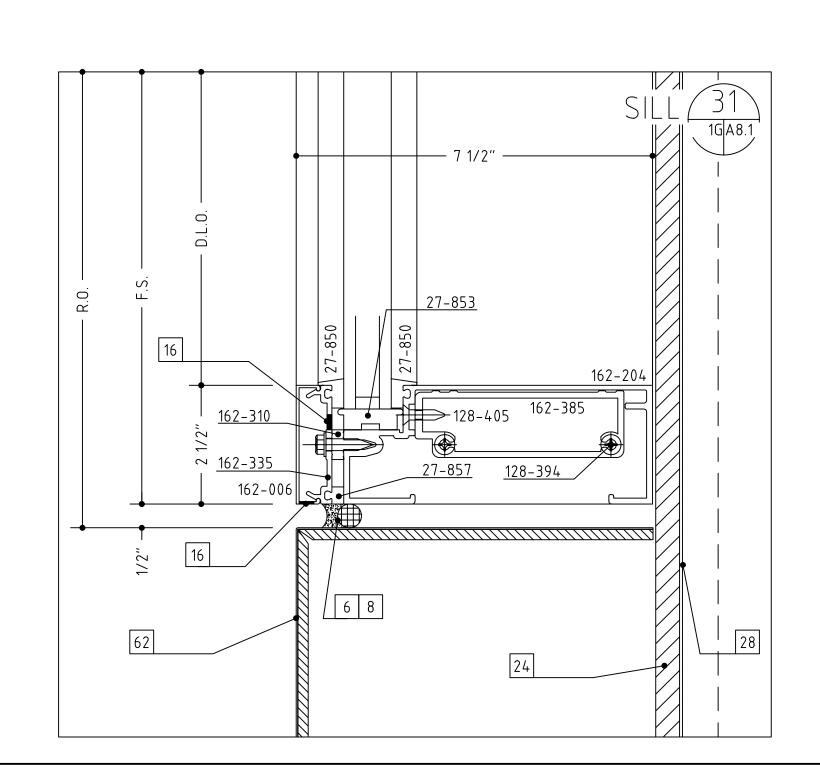
4 1/4" MIN.

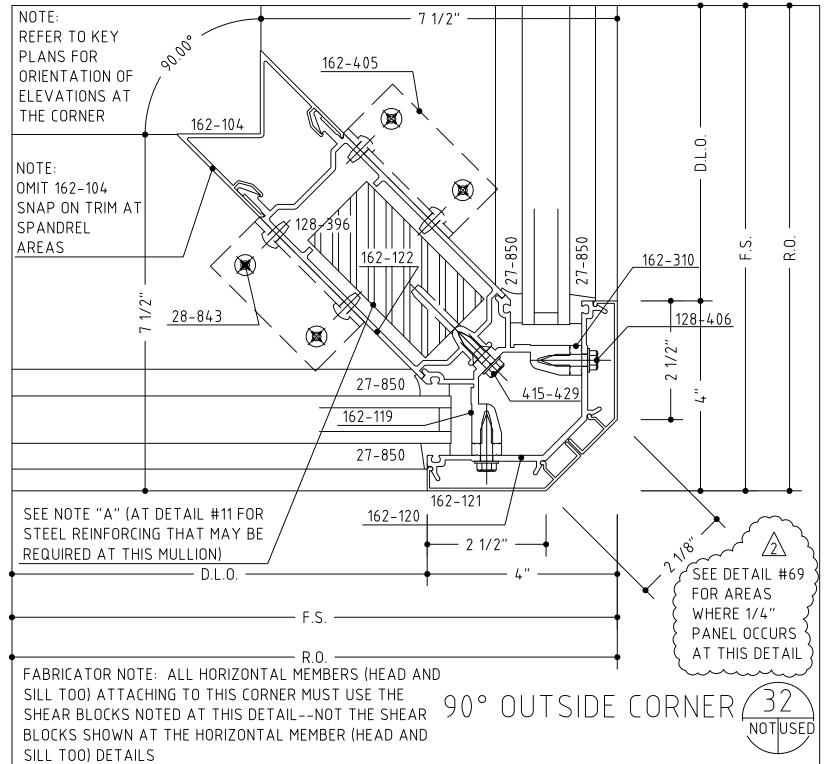
4 1/2" MAX.

48A



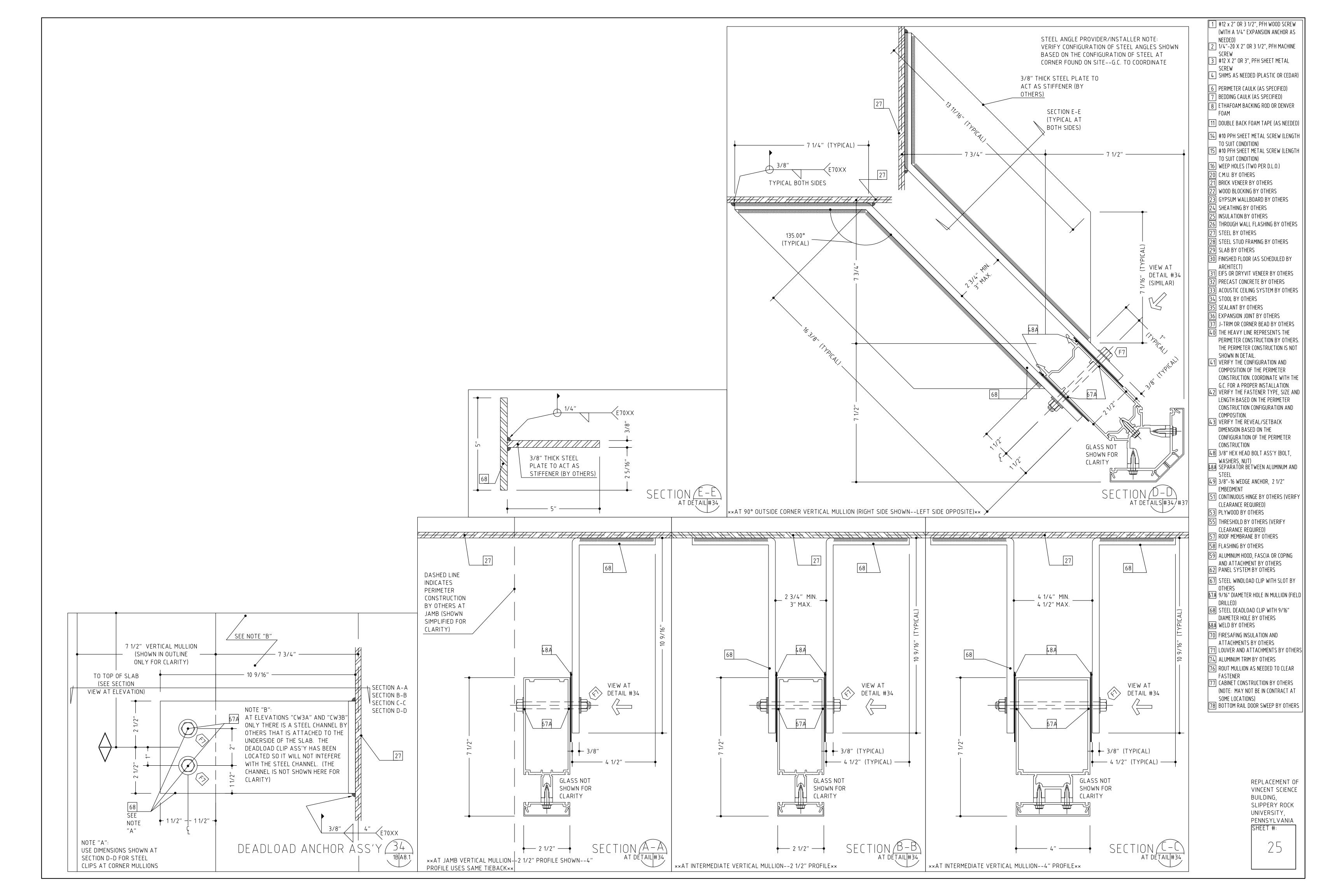


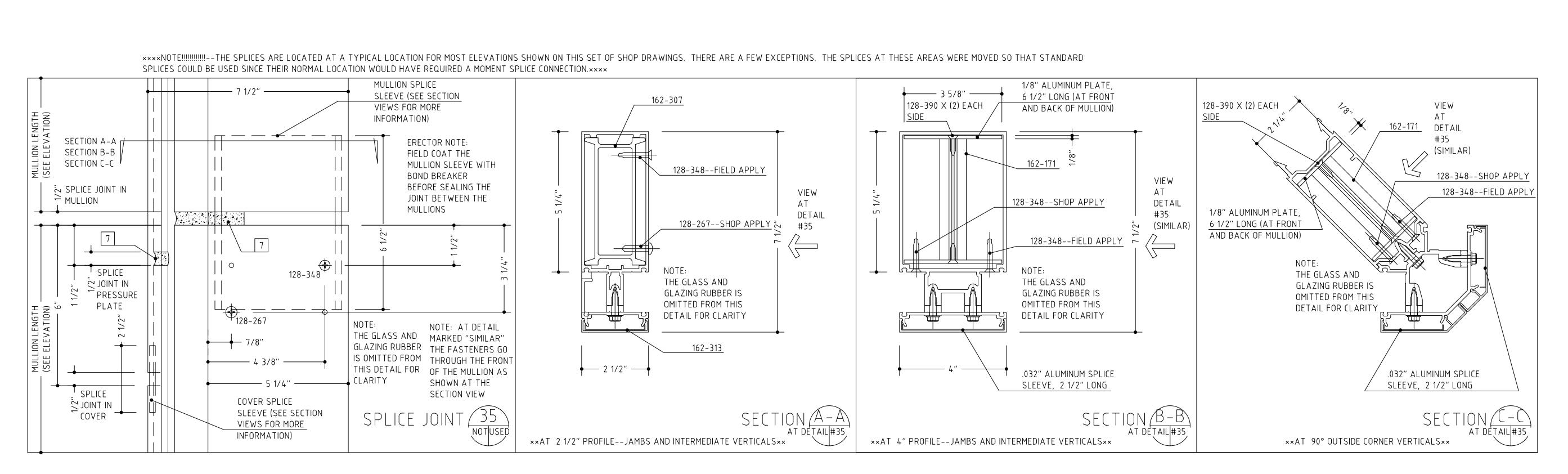




1 #12 x 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS 2 1/4"-20 X 2" OR 3 1/2", PFH MACHINE 3 | #12 X 2" OR 3", PFH SHEET METAL 4 SHIMS AS NEEDED (PLASTIC OR CEDAR) 6 PERIMETER CAULK (AS SPECIFIED) BEDDING CAULK (AS SPECIFIED) 8 ETHAFOAM BACKING ROD OR DENVER 111 DOUBLE BACK FOAM TAPE (AS NEEDED) ||14| #10 PPH 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.) 0 C.M.U. BY OTHERS 1 BRICK VENEER BY OTHERS 2 WOOD BLOCKING BY OTHERS 3 GYPSUM WALLBOARD BY OTHERS 4 SHEATHING BY OTHERS 5 INSULATION BY OTHERS THROUGH WALL FLASHING BY OTHERS 27 STEEL BY OTHERS 28 STEEL STUD FRAMING BY OTHERS 9 SLAB BY OTHERS BO FINISHED FLOOR (AS SCHEDULED BY ARCHITECT) 31 EIFS OR DRYVIT VENEER BY OTHERS 2 PRECAST CONCRETE BY OTHERS 3 ACOUSTIC CEILING SYSTEM BY OTHERS 4 STOOL BY OTHERS 5 SEALANT BY OTHERS B6 EXPANSION JOINT BY OTHERS 7 J-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 SEPARATÓR BETWEEN ALUMINUM AND 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 WINDLOAD CLIP WITH SLOT BY 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 REPLACEMENT OF

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

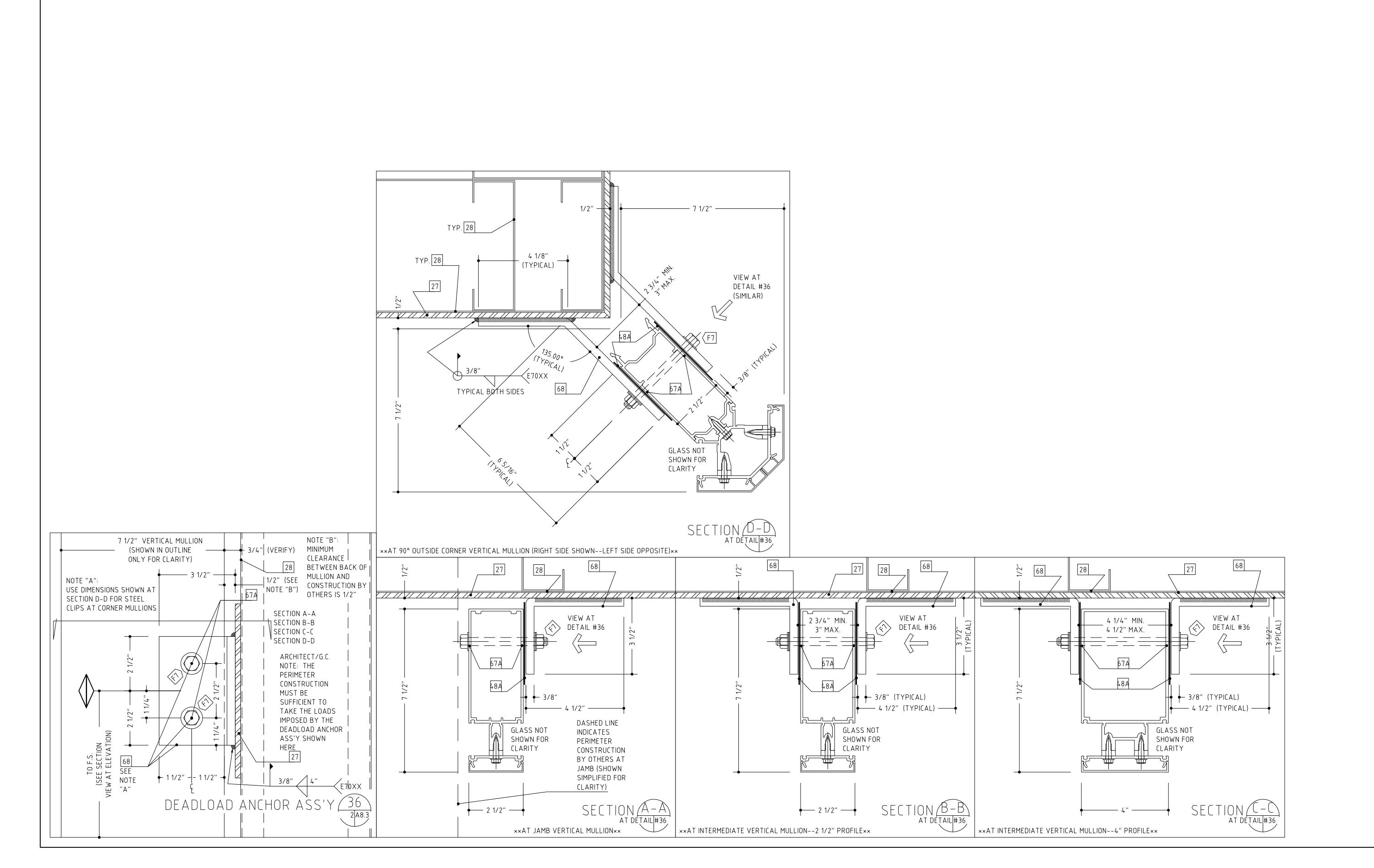




(WITH A 1/4" EXPANSION ANCHOR AS 2 1/4"-20 X 2" OR 3 1/2", PFH MACHINE 3 #12 X 2" OR 3", PFH SHEET METAL 4 SHIMS AS NEEDED (PLASTIC OR CEDAR) 6 PERIMETER CAULK (AS SPECIFIED) 7 BEDDING CAULK (AS SPECIFIED) 8 ETHAFOAM BACKING ROD OR DENVER 11 DOUBLE BACK FOAM TAPE (AS NEEDED) 14 #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION) 15 #10 PFH SHEET METAL SCREW (LENGTH TO SUIT CONDITION) 16 WEEP HOLES (TWO PER D.L.O.) 0 C.M.U. BY OTHERS 21 BRICK VENEER BY OTHERS 2 WOOD BLOCKING BY OTHERS 3 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 PRECAST CONCRETE BY OTHERS B3 ACOUSTIC CEILING SYSTEM BY OTHERS S4 STOOL BY OTHERS SEALANT BY OTHERS 36 EXPANSION JOINT BY OTHERS 37 J-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 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 WINDLOAD CLIP WITH SLOT BY 67A 9/16" DIAMETER HOLE IN MULLION (FIELD 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 REPLACEMENT OF VINCENT SCIENCE BUILDING, SLIPPERY ROCK UNIVERSITY, PENNSYLVANIA

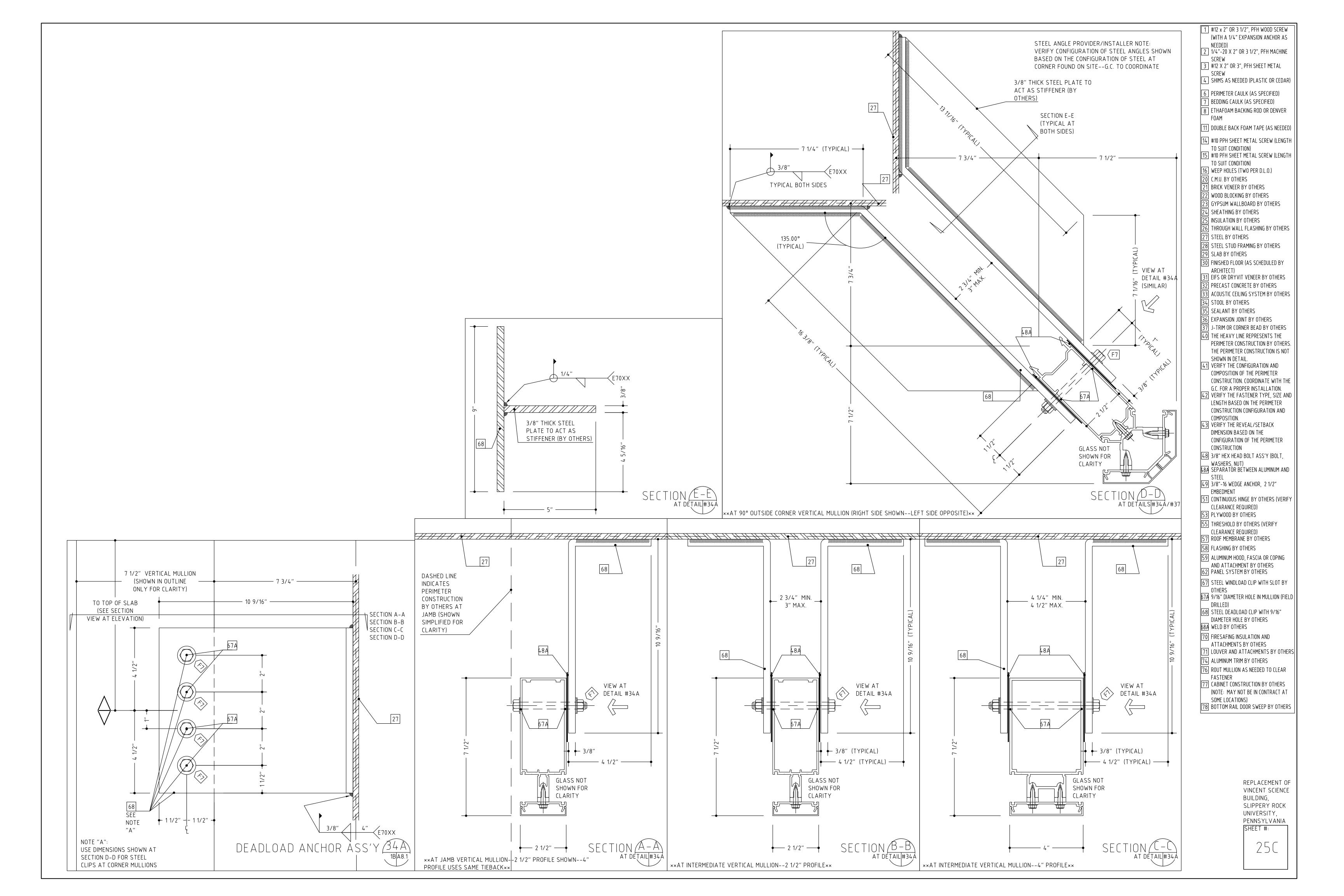
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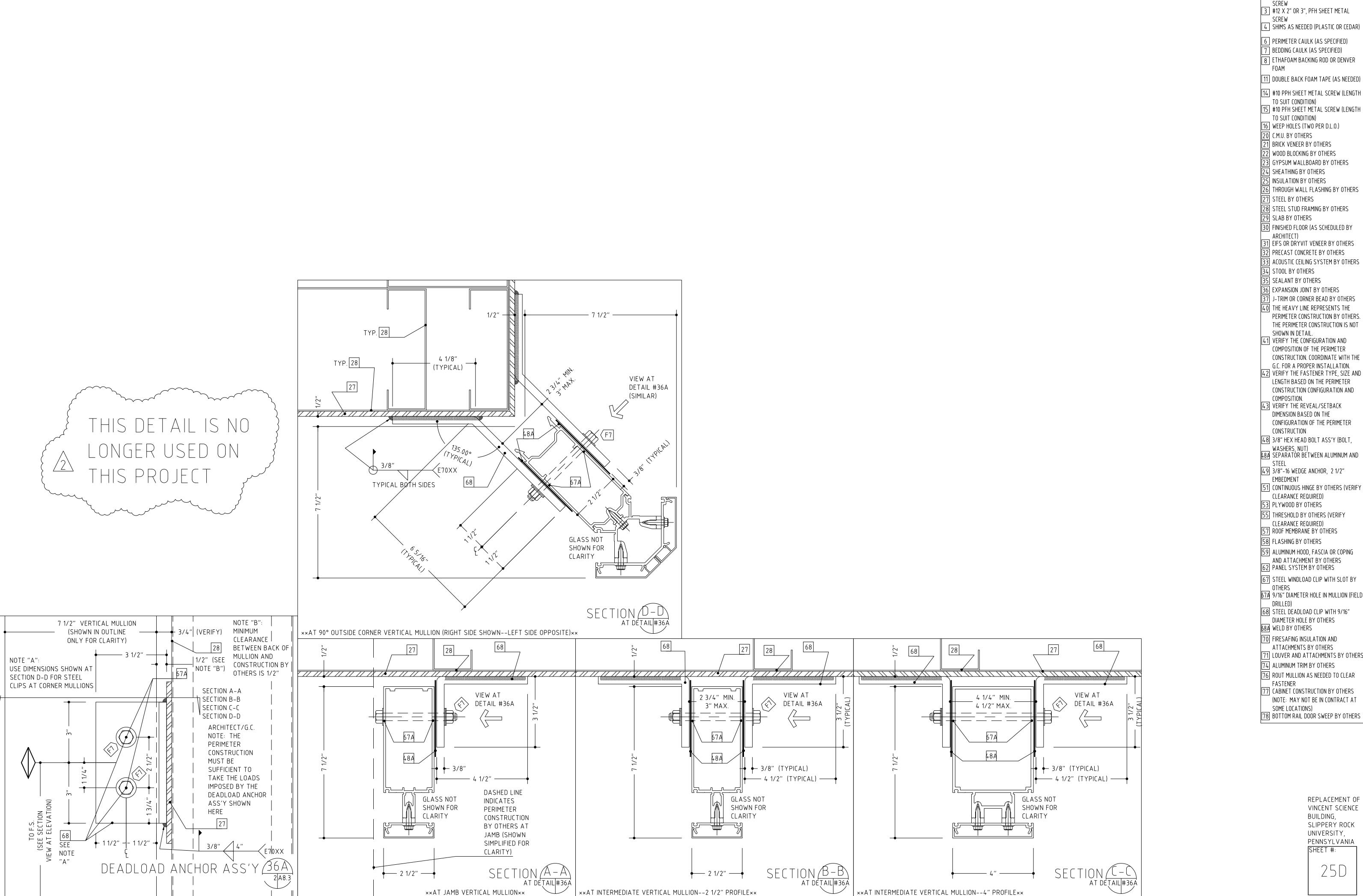
SHEET #:



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(WITH A 1/4" EXPANSION ANCHOR AS





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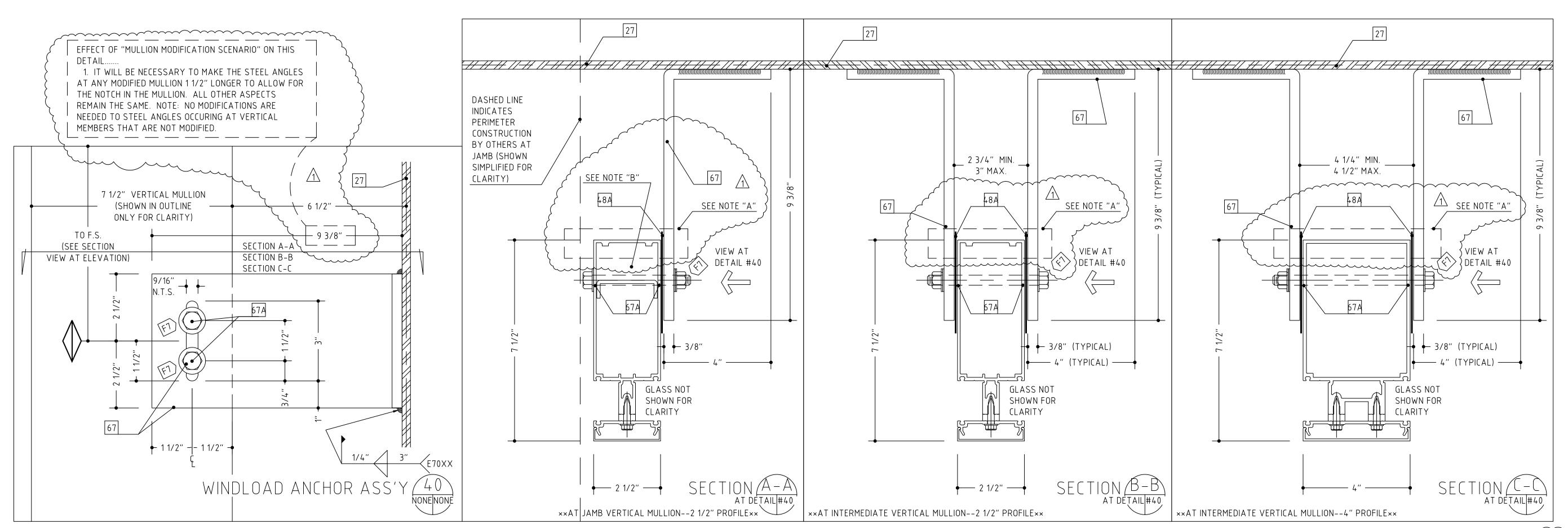
62 PANEL SYSTEM BY OTHERS 67 STEEL WINDLOAD CLIP WITH SLOT BY

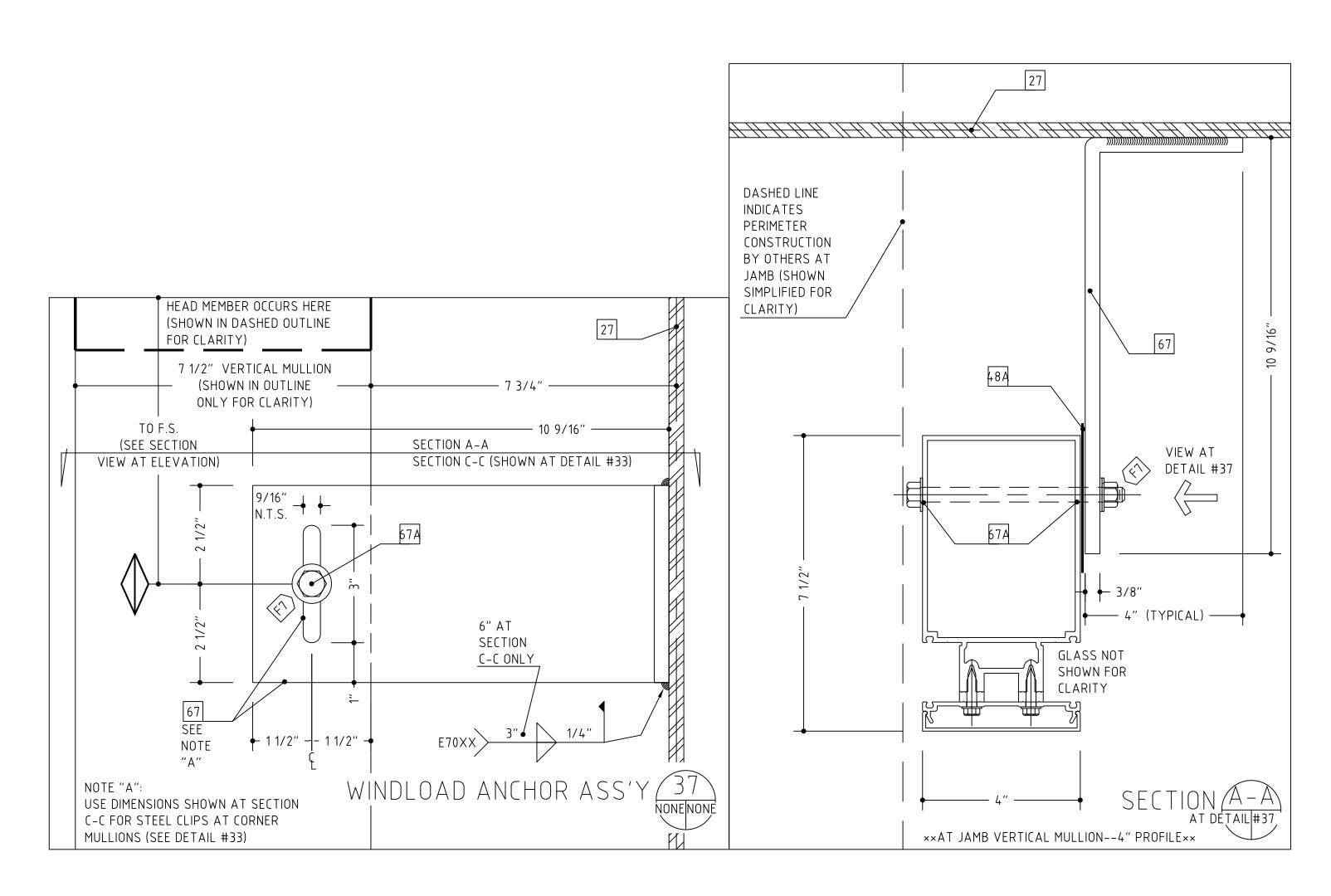
68 STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS 68A WELD BY OTHERS 70 FIRESAFING INSULATION AND

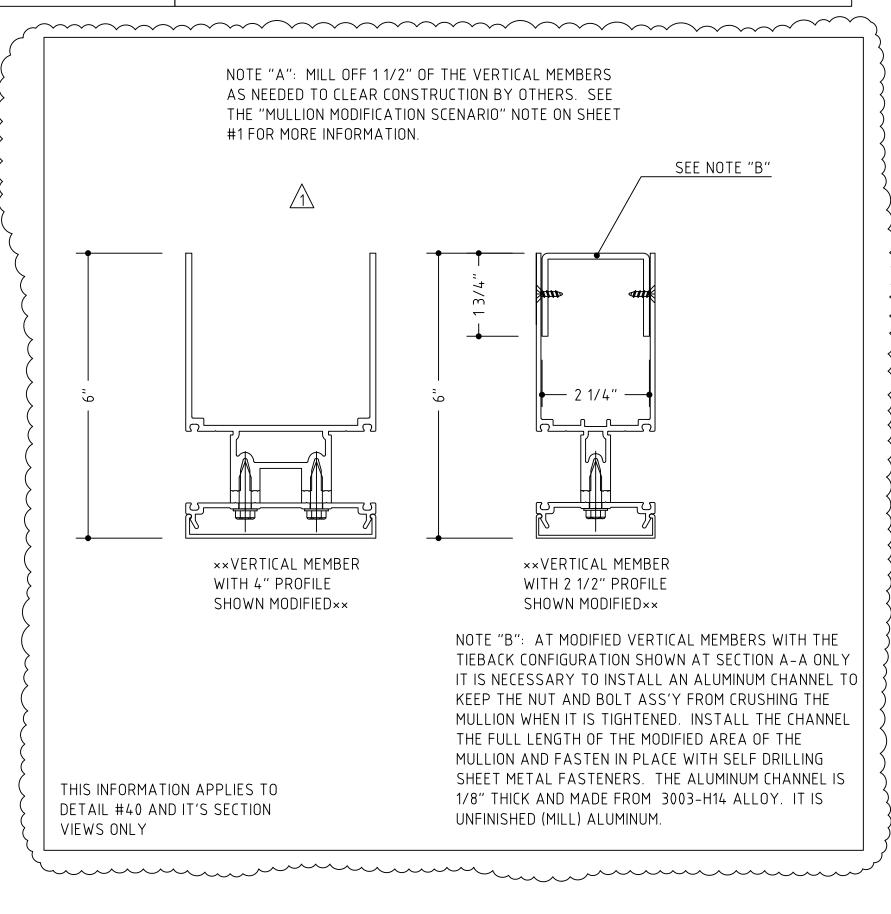
ATTACHMENTS BY OTHERS 71 LOUVER AND ATTACHMENTS BY OTHERS 74 ALUMINUM TRIM BY OTHERS 76 ROUT MULLION AS NEEDED TO CLEAR

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 2 1/4"-20 X 2" OR 3 1/2", PFH MACHINE

3 | #12 X 2" OR 3", PFH SHEET METAL 4 SHIMS AS NEEDED (PLASTIC OR CEDAR)

6 | PERIMETER CAULK (AS SPECIFIED) BEDDING CAULK (AS SPECIFIED) 8 ETHAFOAM BACKING ROD OR DENVER

[11] DOUBLE BACK FOAM TAPE (AS NEEDED) 14 #10 PPH 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.)

O C.M.U. BY OTHERS 1) BRICK VENEER BY OTHERS

2 WOOD BLOCKING BY OTHERS 3 GYPSUM WALLBOARD BY OTHERS 4 SHEATHING BY OTHERS 5 INSULATION BY OTHERS

6 THROUGH WALL FLASHING BY OTHERS 7 STEEL BY OTHERS 28 STEEL STUD FRAMING BY OTHERS

9 SLAB BY OTHERS 0 FINISHED FLOOR (AS SCHEDULED BY

ARCHITECT) 31 EIFS OR DRYVIT VENEER BY OTHERS

PRECAST CONCRETE BY OTHERS 3 ACOUSTIC CEILING SYSTEM BY OTHERS 4 STOOL BY OTHERS

5 SEALANT BY OTHERS 6 EXPANSION JOINT BY OTHERS 7 J-TRIM OR CORNER BEAD BY OTHERS

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

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 WINDLOAD CLIP WITH SLOT BY

OTHERS 67A 9/16" DIAMETER HOLE IN MULLION (FIELD DRILLED)

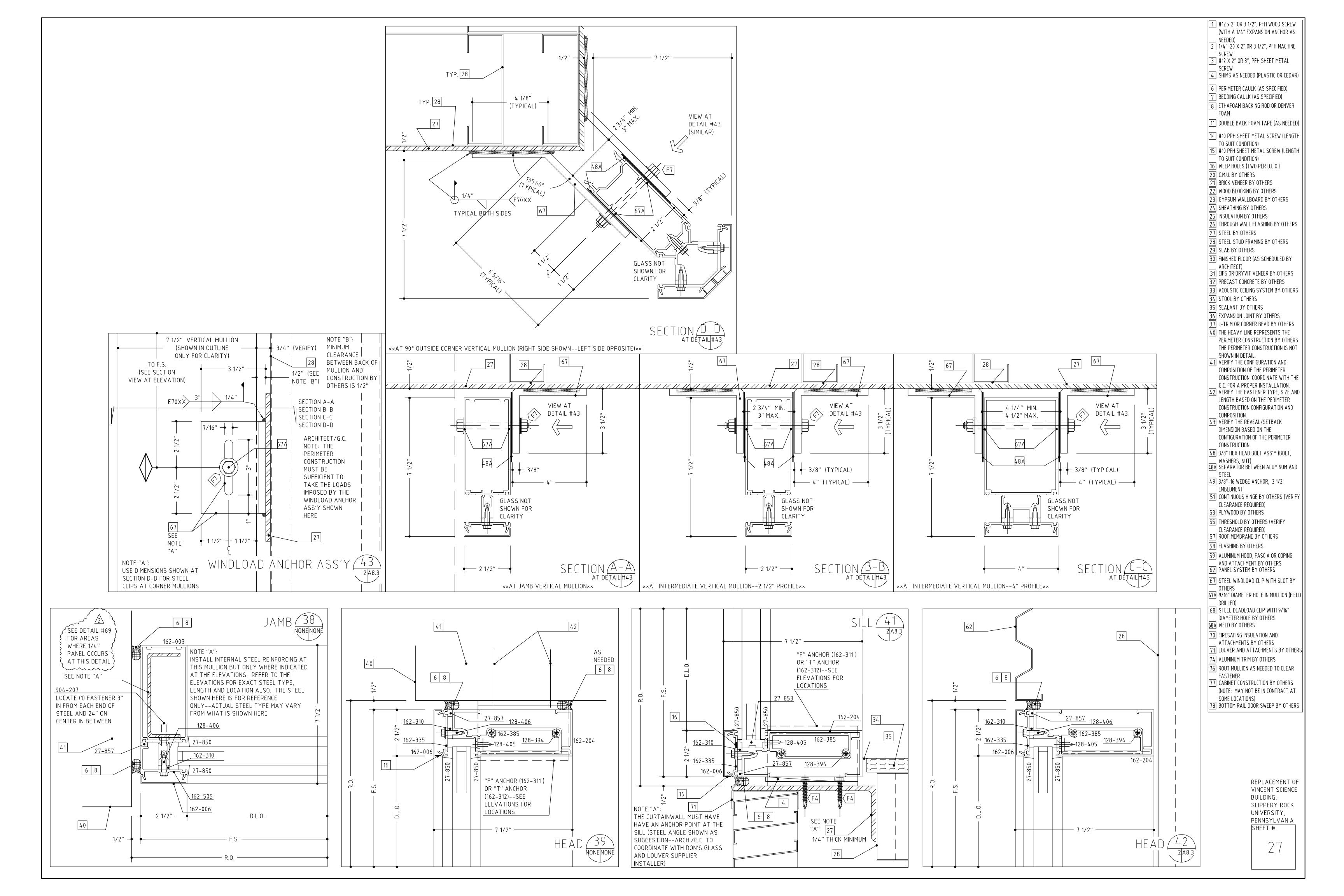
68 STEEL DEADLOAD CLIP WITH 9/16" DIAMETER HOLE BY OTHERS 88 WELD BY OTHERS

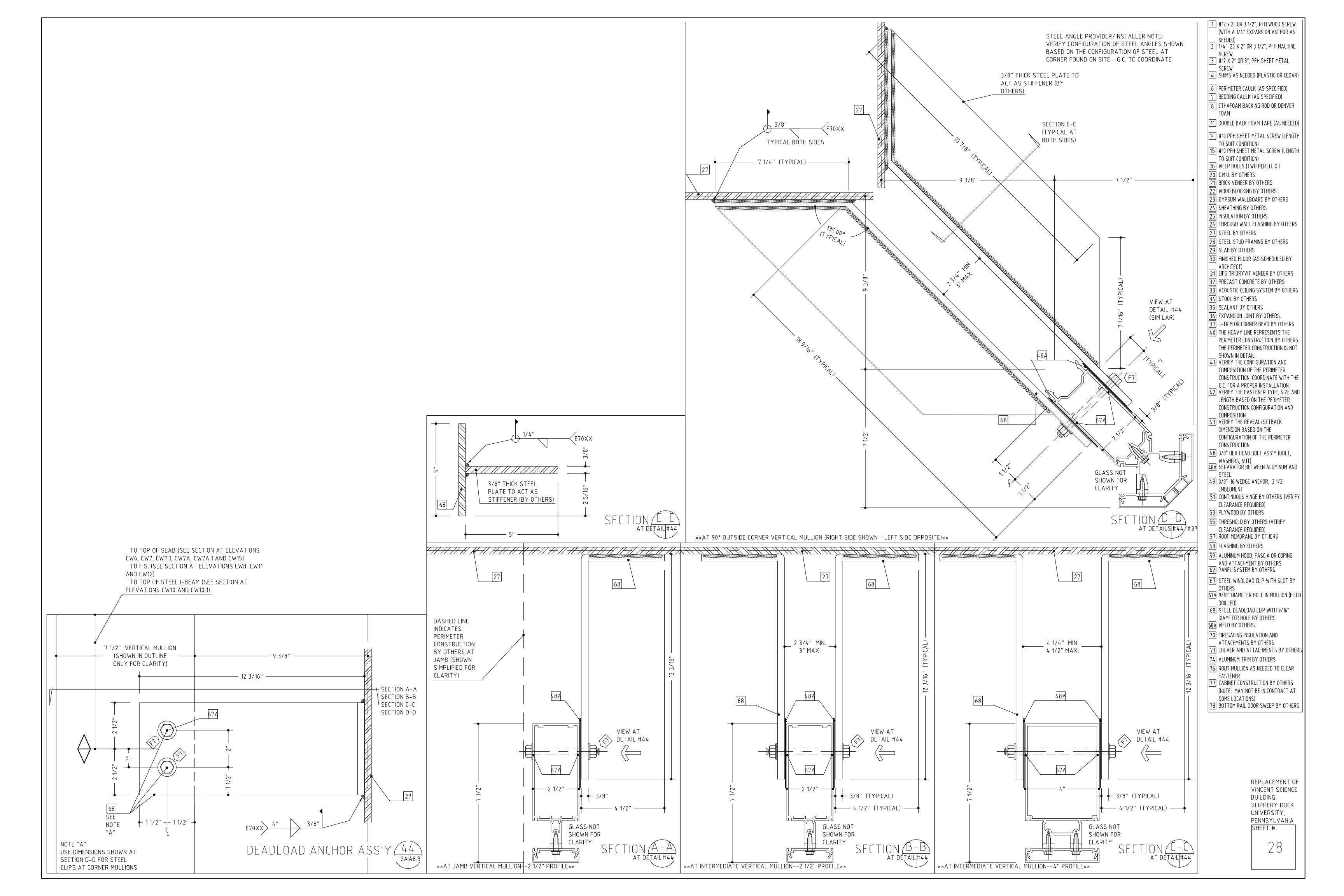
70 FIRESAFING INSULATION AND ATTACHMENTS BY OTHERS

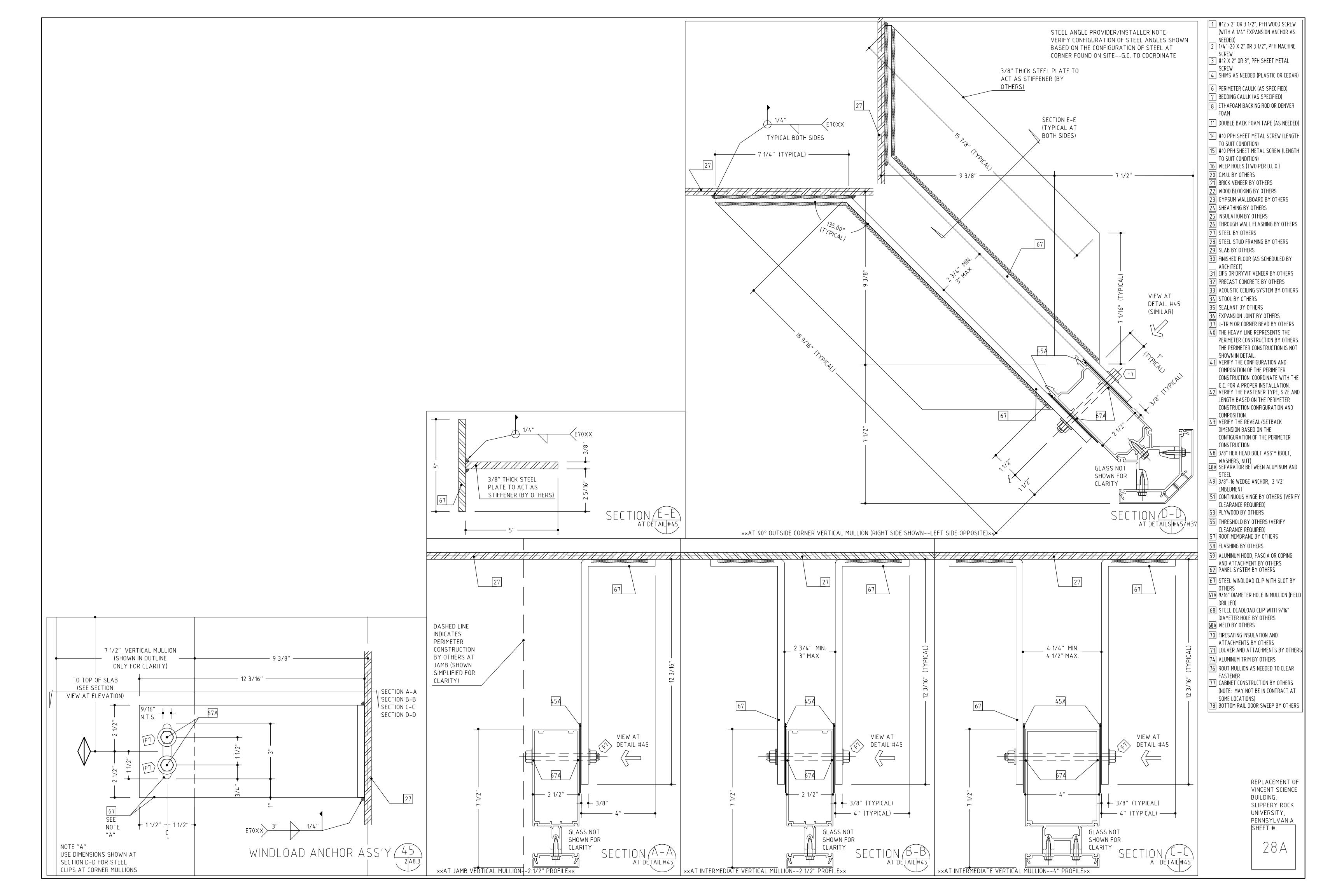
1 LOUVER AND ATTACHMENTS BY OTHERS 74 ALUMINUM TRIM BY OTHERS 76 ROUT MULLION AS NEEDED TO CLEAR

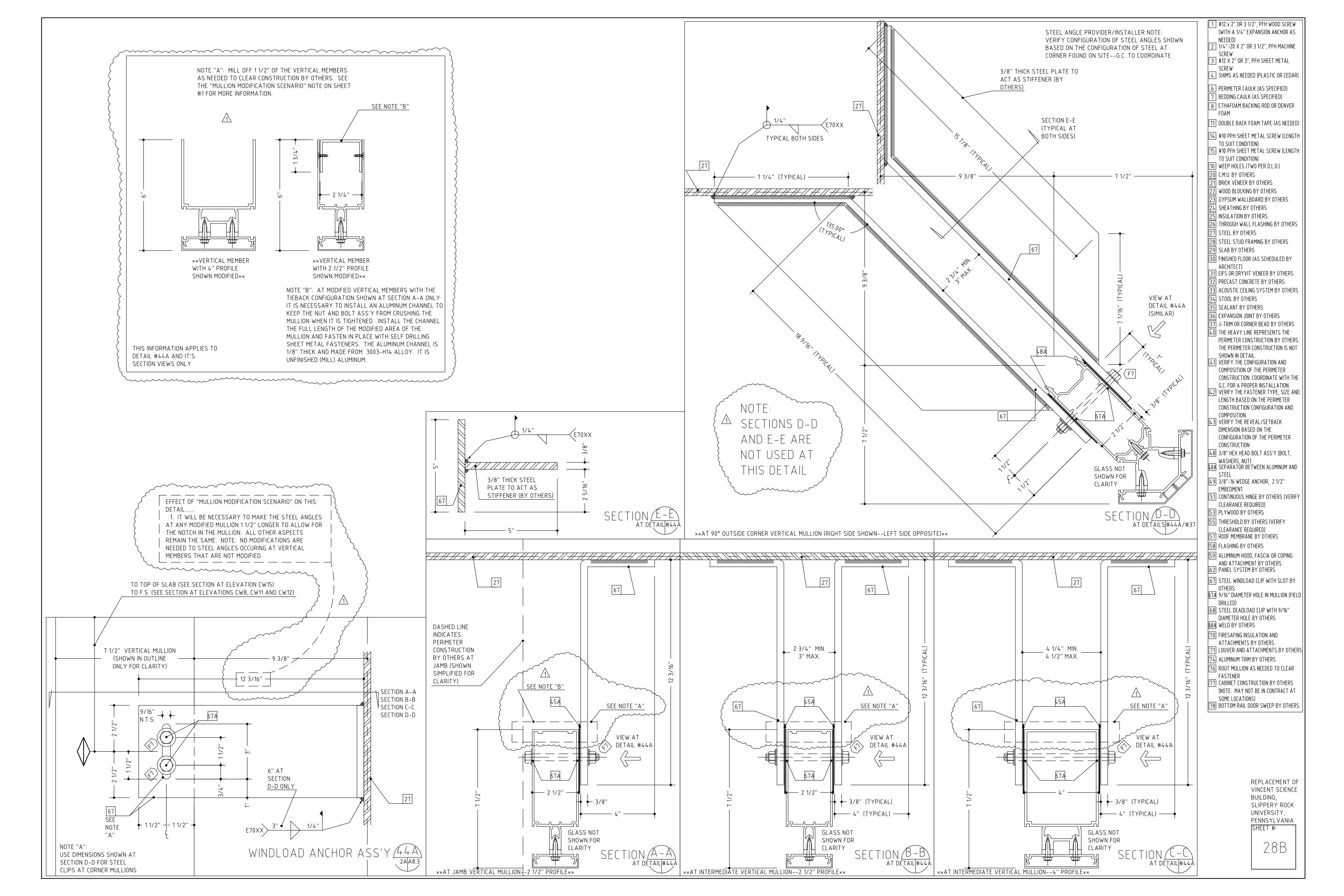
FASTENER 77 CABINET CONSTRUCTION BY OTHERS

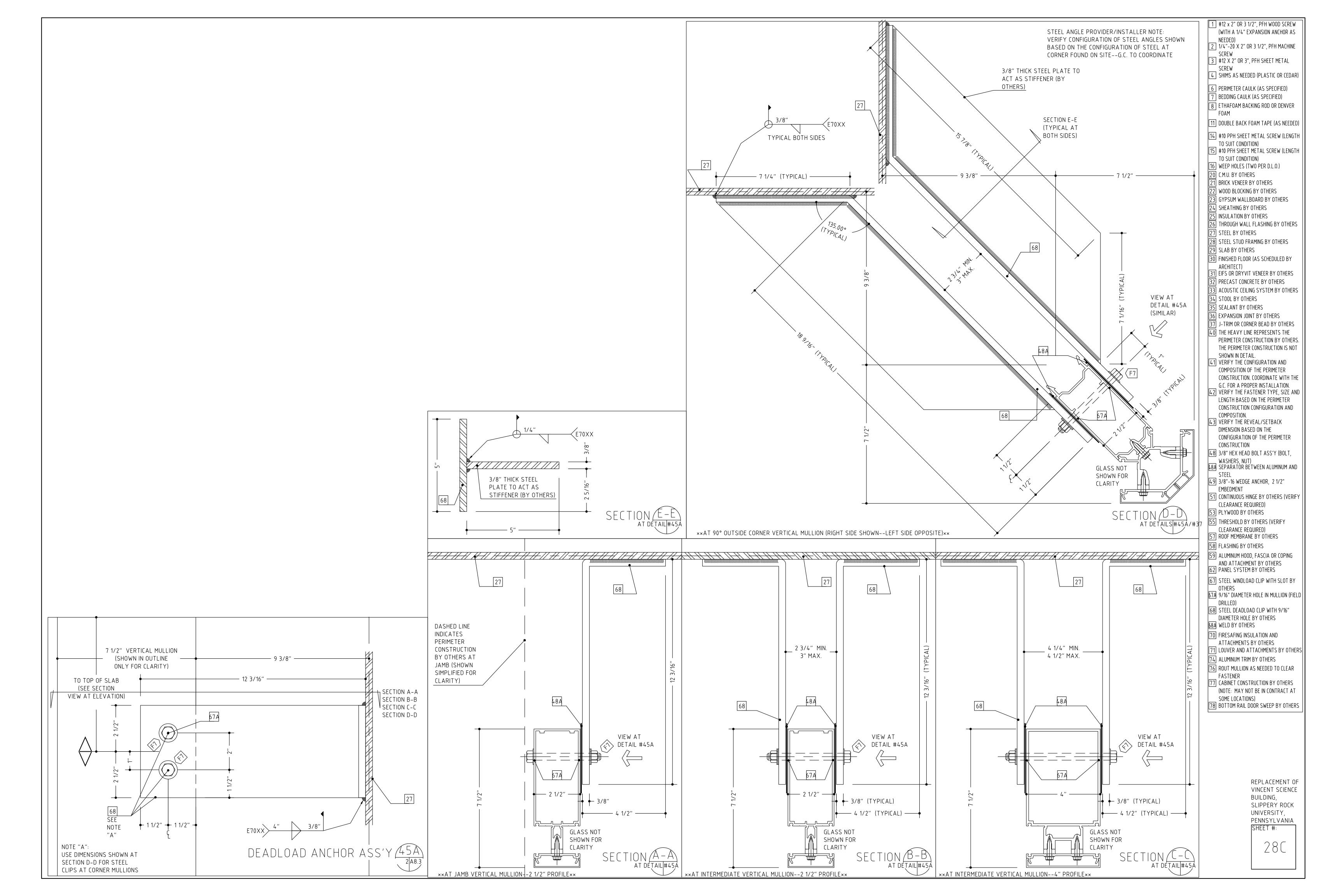
(NOTE: MAY NOT BE IN CONTRACT AT SOME LOCATIONS) 78 BOTTOM RAIL DOOR SWEEP BY OTHERS

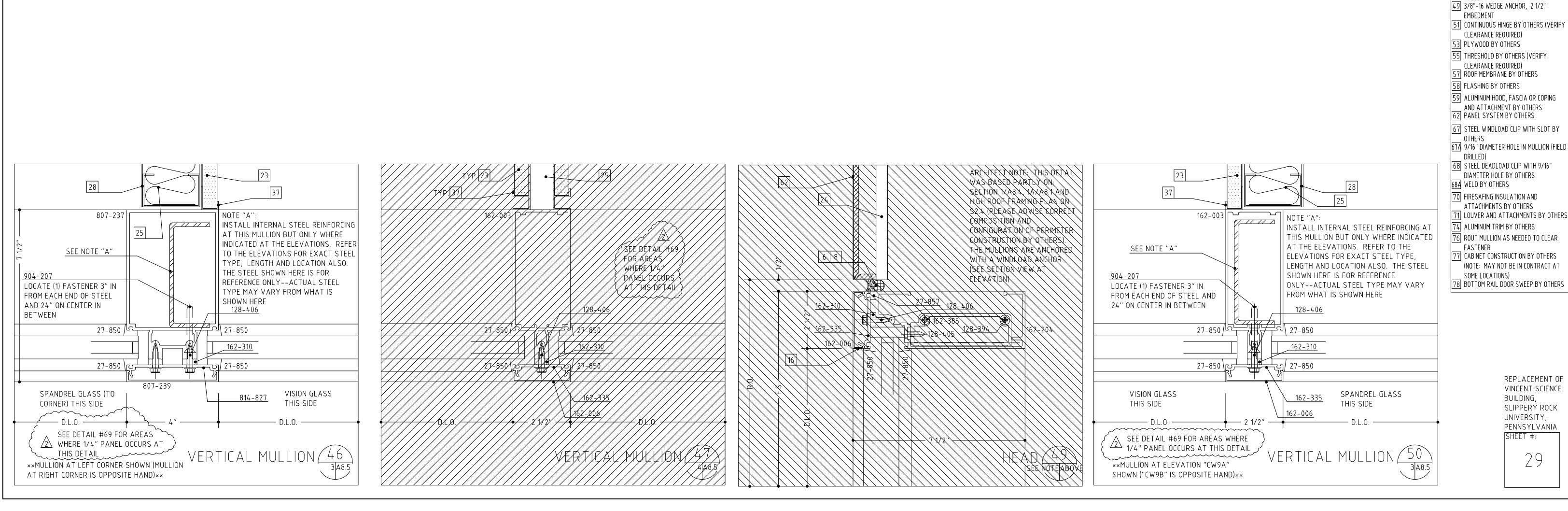












14 #10 PPH SHEET METAL SCREW (LENGTH TO SUIT CONDITION) 15 #10 PFH SHEET METAL SCREW (LENGTH TO SUIT CONDITION) 16 WEEP HOLES (TWO PER D.L.O.) 20 C.M.U. BY OTHERS 21 BRICK VENEER BY OTHERS 2 WOOD BLOCKING BY OTHERS 3 GYPSUM WALLBOARD BY OTHERS SHEATHING BY OTHERS 25 INSULATION BY OTHERS 26 THROUGH WALL 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 PRECAST CONCRETE BY OTHERS ACOUSTIC CEILING SYSTEM BY OTHERS S4 STOOL BY OTHERS SEALANT BY OTHERS 36 EXPANSION JOINT BY OTHERS 37 J-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

1 #12 x 2" OR 3 1/2", PFH WOOD SCREW
(WITH A 1/4" EXPANSION ANCHOR AS

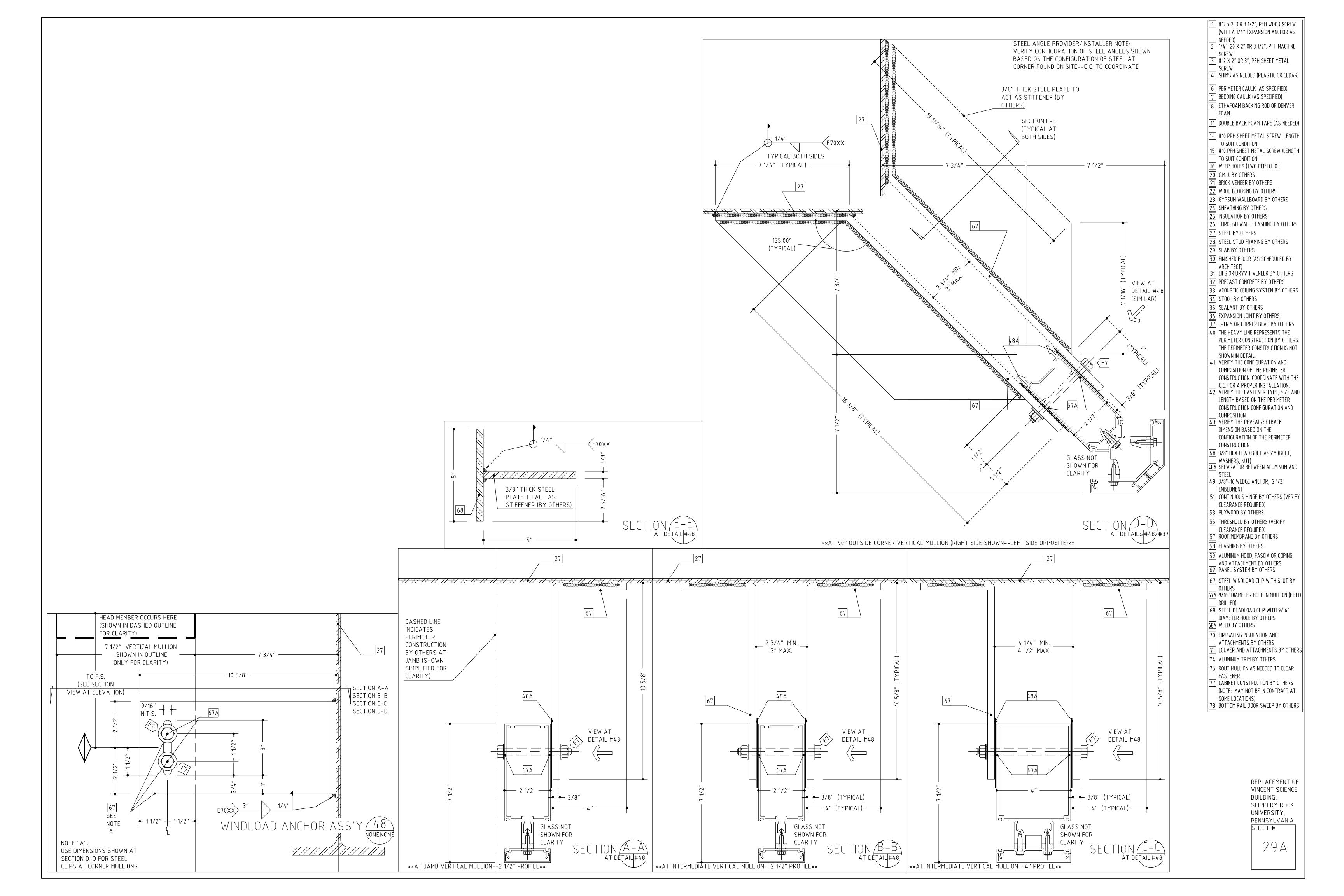
2 1/4"-20 X 2" OR 3 1/2", PFH MACHINE

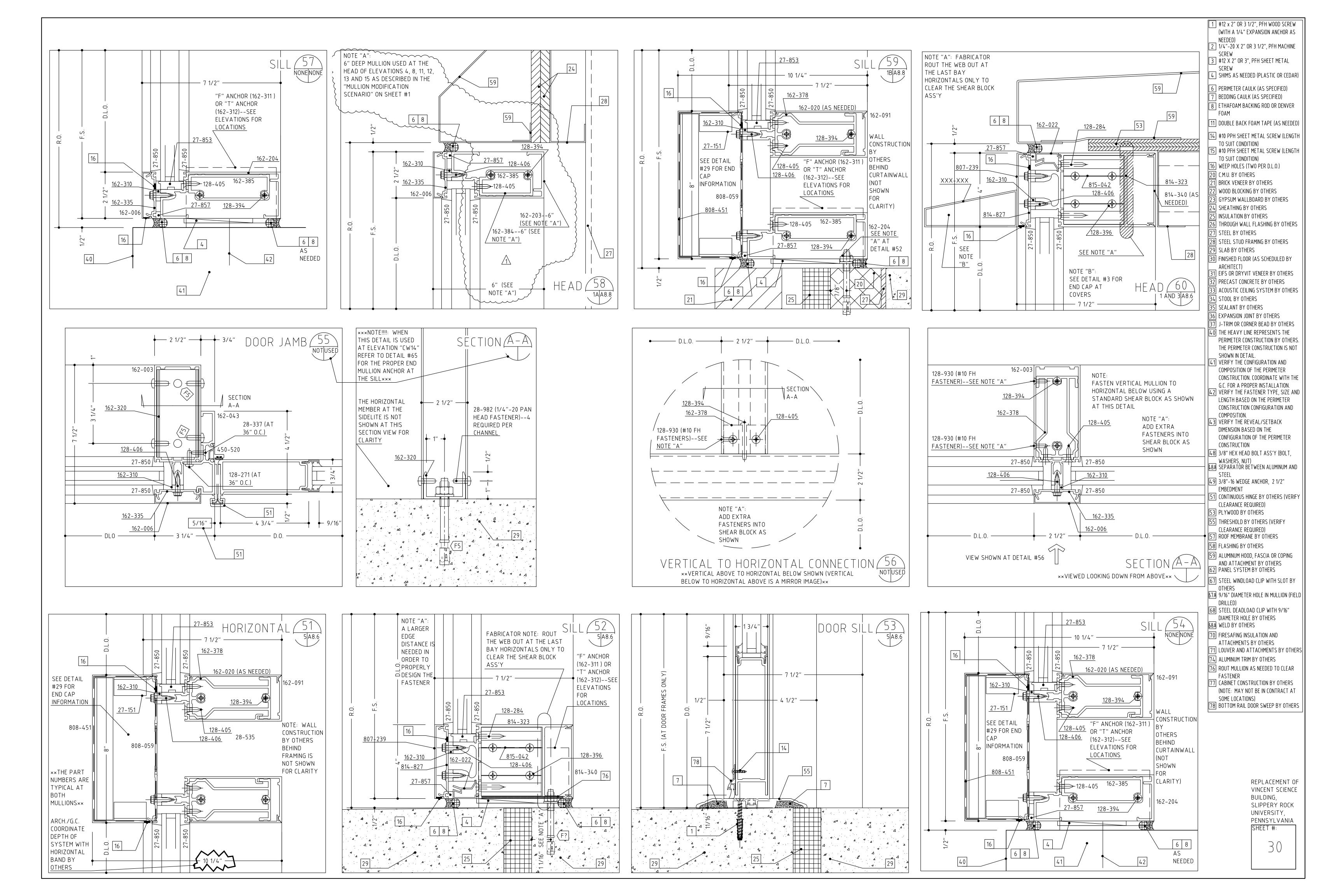
4 SHIMS AS NEEDED (PLASTIC OR CEDAR)

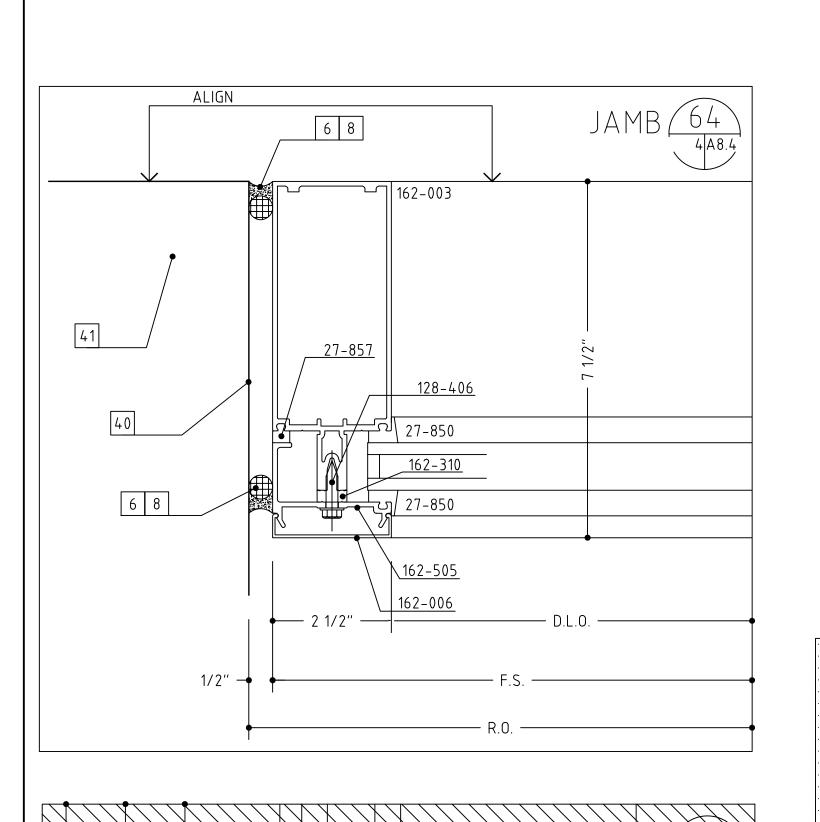
11 DOUBLE BACK FOAM TAPE (AS NEEDED)

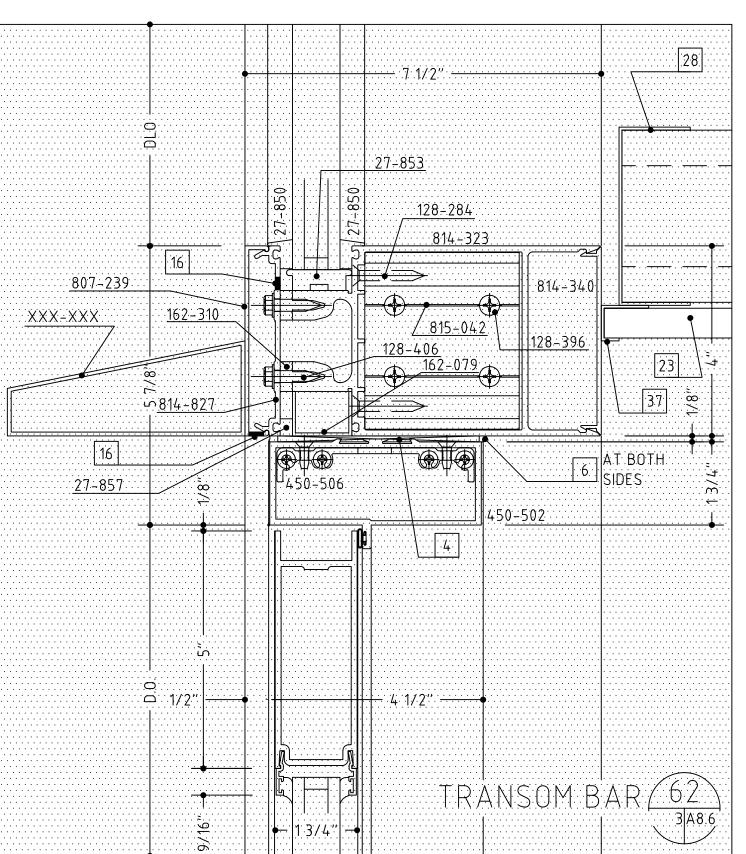
3 #12 X 2" OR 3", PFH SHEET METAL

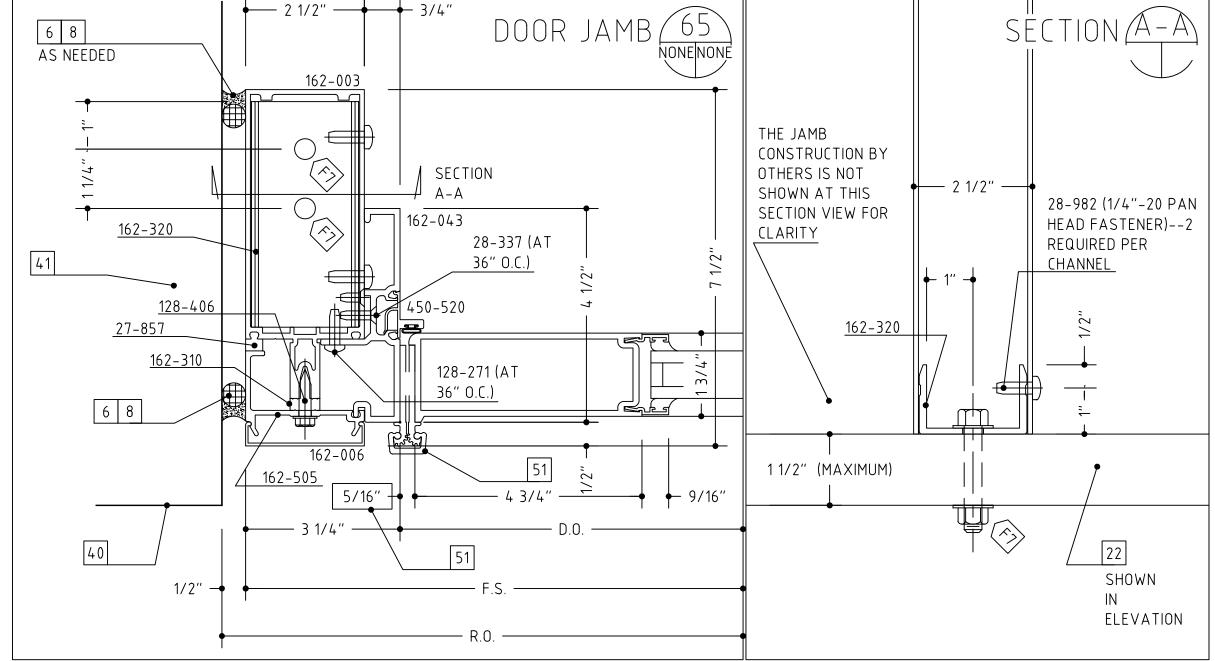
6 PERIMETER CAULK (AS SPECIFIED)
7 BEDDING CAULK (AS SPECIFIED)
8 ETHAFOAM BACKING ROD OR DENVER

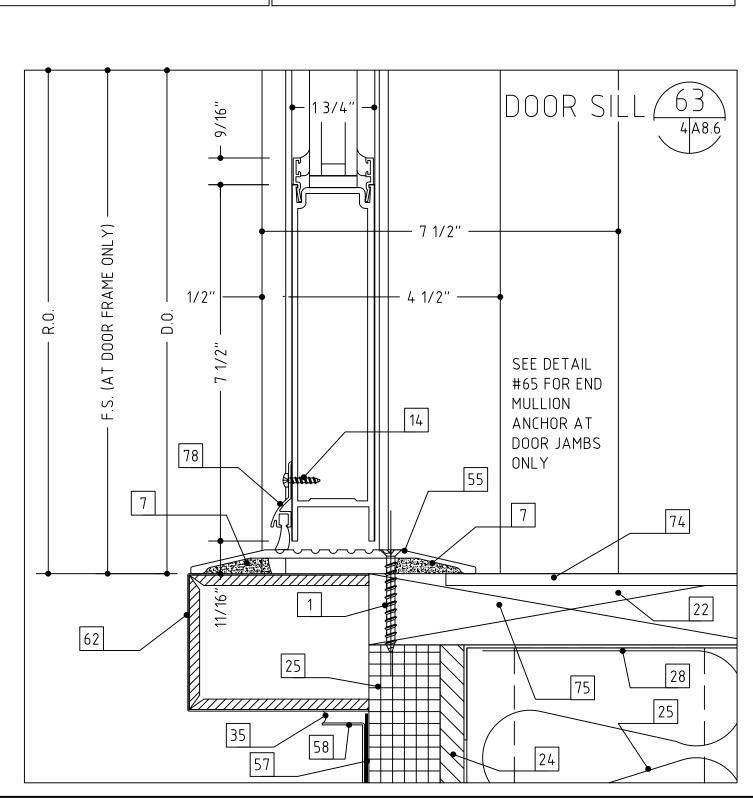












1 #12 x 2" OR 3 1/2", PFH WOOD SCREW (WITH A 1/4" EXPANSION ANCHOR AS 2 1/4"-20 X 2" OR 3 1/2", PFH MACHINE 3 #12 X 2" OR 3", PFH SHEET METAL 4 SHIMS AS NEEDED (PLASTIC OR CEDAR) 6 PERIMETER CAULK (AS SPECIFIED) 7 BEDDING CAULK (AS SPECIFIED) 8 ETHAFOAM BACKING ROD OR DENVER 11 DOUBLE BACK FOAM TAPE (AS NEEDED) 14 #10 PPH 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.) C.M.U. BY OTHERS 21 BRICK VENEER BY OTHERS 2 WOOD BLOCKING BY OTHERS 3 GYPSUM WALLBOARD BY OTHERS 24 SHEATHING BY OTHERS 25 INSULATION BY OTHERS 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 PRECAST CONCRETE BY OTHERS 3 ACOUSTIC CEILING SYSTEM BY OTHERS STOOL BY OTHERS 5 SEALANT BY OTHERS 6 EXPANSION JOINT BY OTHERS 7 J-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 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 WINDLOAD CLIP WITH SLOT BY 67A 9/16" DIAMETER HOLE IN MULLION (FIELD 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 REPLACEMENT OF

VINCENT SCIENCE

SLIPPERY ROCK UNIVERSITY, PENNSYLVANIA

BUILDING,

SHEET #:

