DRAWINGS FOR

# PARIC

DESIGN FOR

# WEBSTER UNIVERSITY ISB

## ST. LOUIS, MO

## GENERAL NOTES

**Design Criteria**

1. Design Codes:
   a. International Building Code (IBC 2009)
   b. Minimum Design Loads for Buildings and Other Structures: ASCE 7-05

2. Wind Load

| | |
|---|---|
| Ultimate Wind Speed, $V_{ult}$ | = 90 mph |
| Risk Category | = III |
| Wind Exposure | = B |
| Internal pressure Coefficient ($GC_{pi}$) | = ±0.18 |
| Components and Cladding (psf): | =-23 (corner load used everywhere) |
| Components & Cladding Parapet (psf) | =31.2 (corner load used everywhere) |

2. Seismic Design

| | |
|---|---|
| Seismic Design Category | =C |

**GENERAL NOTES**

1. All construction shall conform to the International Building Code (IBC) 2009.
2. Contractor shall verify all dimensions and conditions at the job site before commeneing work and shall report any discrepancies to the engineer.
3. Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the engineer and resolved before proceeding with the work.
4. Do not use scaled dimensions; use written dimensions or where no dimension is provided, consult the engineer for clarification before proceeding with the work.
5. Details and keynotes shown shall be incorporated into the project at all appropriate locations whether specifically called out or not.
6. See Specifications or Notes on drawings for materials of construction.
7. Drawings are based on Architectural drawings from KWK Architects, Construction Set, Dated 7-1-16
8. Drawings are based on Structural drawings from David Mason & Associates, ASI 023, Dated 8-28-16

**COLD FORMED STRUCTURAL STUD FRAMING**

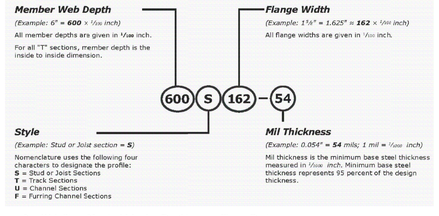
1. Any dimensional information shown is included for engineering purposes only. It is the responsibility of the contractor to verify building dimensions with the A/E and MEP drawings and to comply with all other requirements of the Contract Documents.
2. Shop Drawings must be submitted for all cold formed structural stud framing.
3. All materials shall have 33 ksi minimum yield strength, except studs and track of 16 gage or heavier shall have a minimum yield strength of 50 ksi.
4. All material properties, fabrication, and erection shall be in accordance the latest edition of the AISI "Specifications for the Design of Cold-Formed Structural Members."
5. Any proprietary connectors shown have been selected based on specifications and capacities published by the manufacturer. Weld design values have been based on the latest edition of the AISI "Specifications for the Design of Cold-Formed Structural Members." Any deviance from the brand, type, size or quantity of connectors indicated on these drawings must be approved by the engineer prior to construction.
6. Bridging is not required where studs have full height sheathing on both sides. Where there is not sheathing on both sides bridging shall be installed at a maximum spacing of 4'-0" on center, attached per the manufacturer's recommendations. Install a row of horizontal bridging within 12" of single deflection tracks, when used in lieu of slotted tracks or clips.
7. All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members shall not be permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
8. Special anchorage requirements required for wind and seismic bracing shall be as shown on the plans.
9. Members shall not be spliced other than at the locations indicated on the drawings. All splices shall conform to the details in the drawings.
10. Contractor shall verify sizes and locations of structural components where members attach.
11. Temporary bracing shall be provided & remain in place until work is completely stabilized
12. No notching or coping of studs is allowed, unless stated within this drawing package.
13. Design assumes conditions to be stabilized and in final location. Temporary bracing (by others) or other means of stabilization may be required until framing is in its stable & final condition.
14. Per AISI standard for cold-formed framing- wall design, the maximum allowable gap (measured between the web of the stud and of the track) for a stud seated in a track is 1/4" for non-axial load bearing conditions and 1/8" for axial load bearing conditions (U.N.O.) Pressure should be applied to nest the studs into the tracks until the tolerances listed above are achieved. Failure to do so could result in serviceability problems in the future.

Cold Formed Connections

1. All fasteners are to be installed per manufacturer's recommendations. Do not substitute fasteners without written permission from THHinc McClure
2. PAF point must penetrate through full base steel thickness. Notify PAF manufacturer for instructions where full penetration is not achieved.
3. If required, all welded connections are to be performed in accordance with the latest version of AWS D1.3-98 Specifications for Welding Sheet Steel in Structures. Consult AWS D19.0 Welding Zinc Coated Steel & ANSI Standard Z49.1 for information regarding safe welding procedures.
4. Minimum weld throat thickness (t) must match or exceed the base steel thickness of the thinnest connected part unless noted otherwise.
5. In welding, the zinc coating on steel framing will be burned away; therefore, a zinc rich paint must be applied to the weld area to provide corrosion resistance.
6. All screw connections are based on NASPEC Section E4, which outlines the AISI Specification provisions for screw connections.
7. For screws, a minimum of 1.5 x screw diameter clearance must be maintained from all edges of the steel members. A minimum of 3.0 x screw diameter on-center spacing must be maintained between adjacent screws.
8. Power driven fastener systems, expansion anchor systems, masonry screw systems, & adhesive anchor systems connections are based on literature for fastener requirements (e.g. Spacing, edge distance, base material thickness, etc.) Alternate manufacturer's fasteners of comparable specifications & load capacities are acceptable.
9. All Tracks shall be fastened to each stud with #10 screws at each flange.
10. All PAFs shall be Hilti 0.157"O X-U, U.N.O. For PAF's into steel, steel shall have ¼" minimum thickness. PAF's into Steel shall have ½" minimum edge distance and 1" minimum spacing. PAF's into concrete shall have 1-1/2" penetration, 3" edge distance and 4" spacing (Min).

Product Identification

1. The designations of the Steel Stud Manufacturer Association are used in this package. Any Manufacturer whose product geometry meets or exceeds SSMA standards is acceptable. See below for SSMA nomenclature.




2. Web Size. (Nominal Member Depth)

| | | | |
|---|---|---|---|
| 3-5/8" Member | = 362 | Load Bearing Stud/Joist (1-3/8" flange) | S137 |
| 6" Member | = 600 | Load Bearing Stud/Joist (1-5/8" flange) | S162 |
| 8" Member | = 800 | Load Bearing Stud/Joist (2" flange) | S200 |
| 10" Member | = 1000 | Load Bearing Stud/Joist (2-1/2" flange) | S250 |
| 12" Member | = 1200 | Running Track (1-1/4" flange) | T125 |

Flange Designations:

3. The Last Two Numbers Indicate the Steel Thickness:

| Gage | Design | Minimum | SSMA | Color Coding |
|---|---|---|---|---|
| 20 | 0.0346" | 0.0329" | 33 mils | White |
| 18 | 0.0451" | 0.0428" | 43 mils | Yellow |
| 16 | 0.0566" | 0.0538" | 54 mils | Green |
| 14 | 0.0713" | 0.0677" | 68 mils | Orange |
| 12 | 0.1017" | 0.0966" | 97 mils | Red |

1 All Studs have been updated to be 54 mil. Min. clouds have been omitted for clarity.

INDEX OF SHEETS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Z201 ELEVATION
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Z500 DETAILS
Z501 DETAILS



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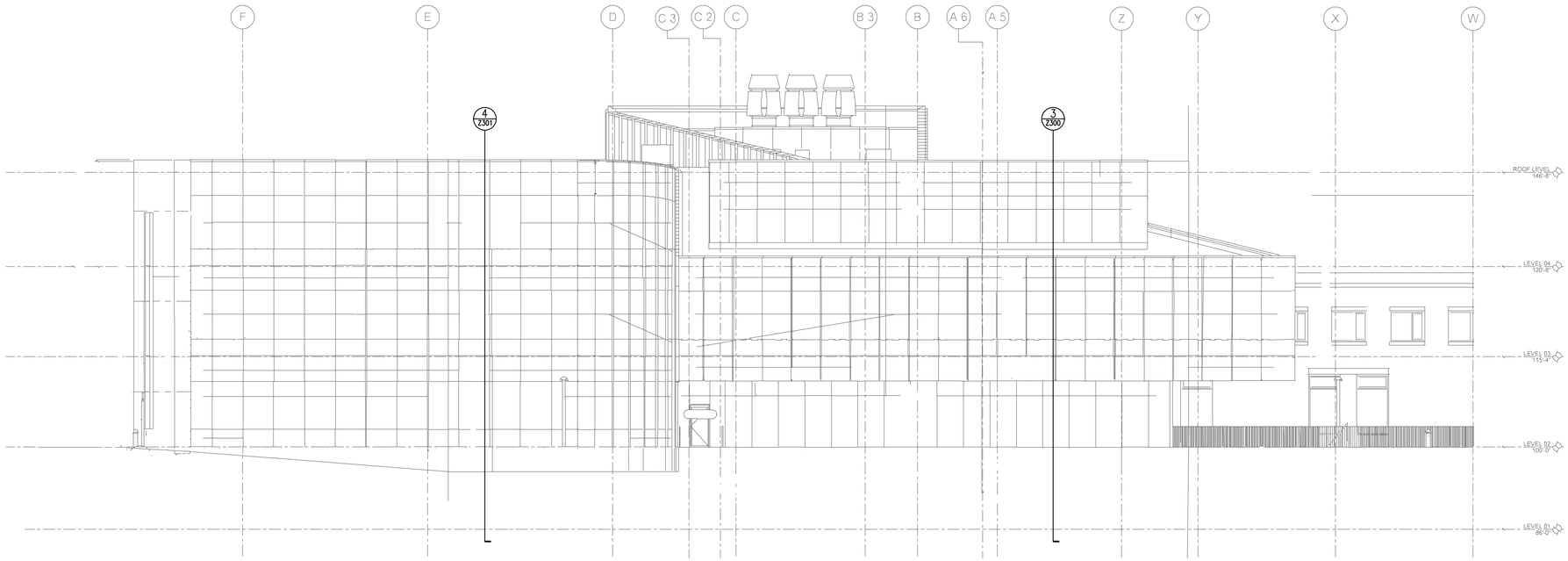
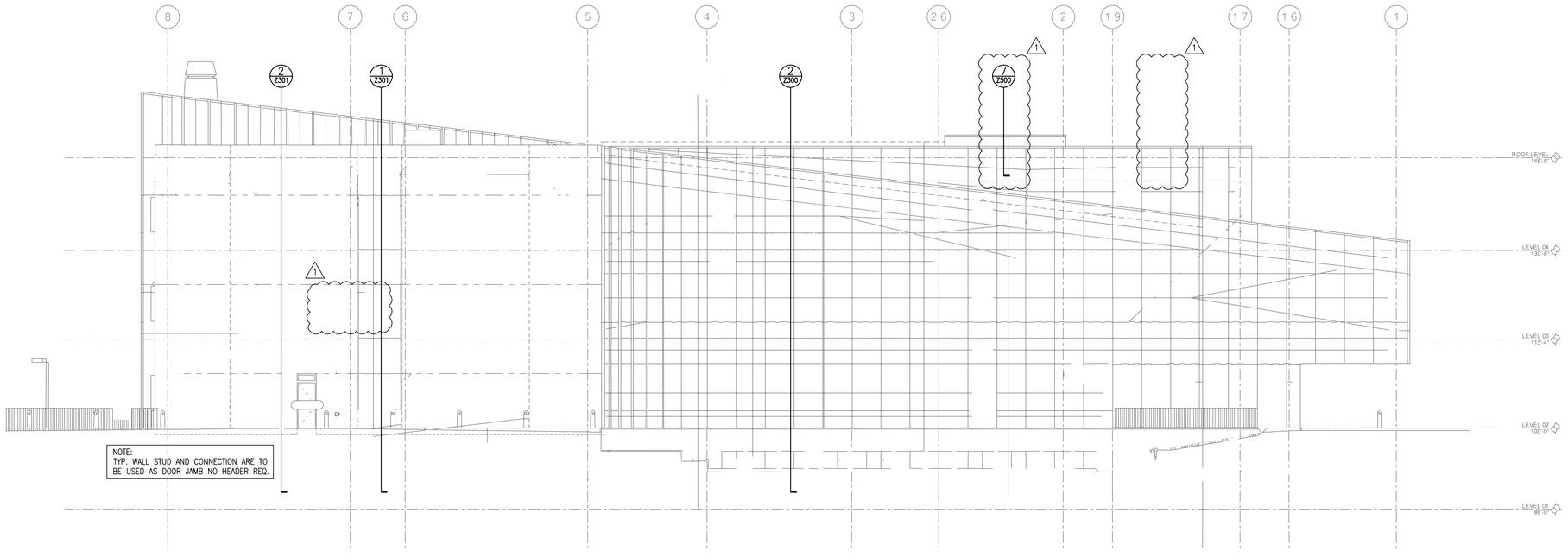
CHECKED BY: JTG
FIELD BOOK NO.:

COVER/ INDEX/ NOTES

DRAWING NO. Z001
SHEET NO. 1 OF 9




1 Z200 **WEST ELEVATION**
REF. 1/A0311 | 3/32"=1'-0"




2 Z200 **NORTH ELEVATION**
REF. 2/A0312 | 3/32"=1'-0"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ELEVATIONS

DRAWING NO. Z200
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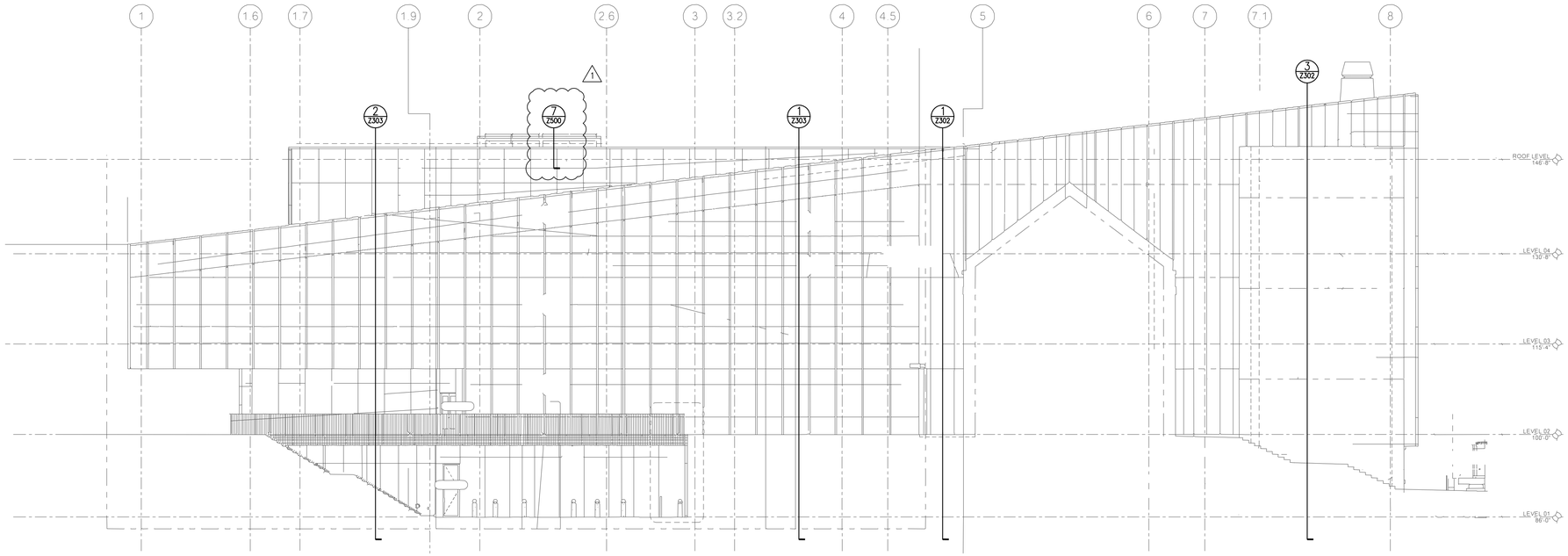


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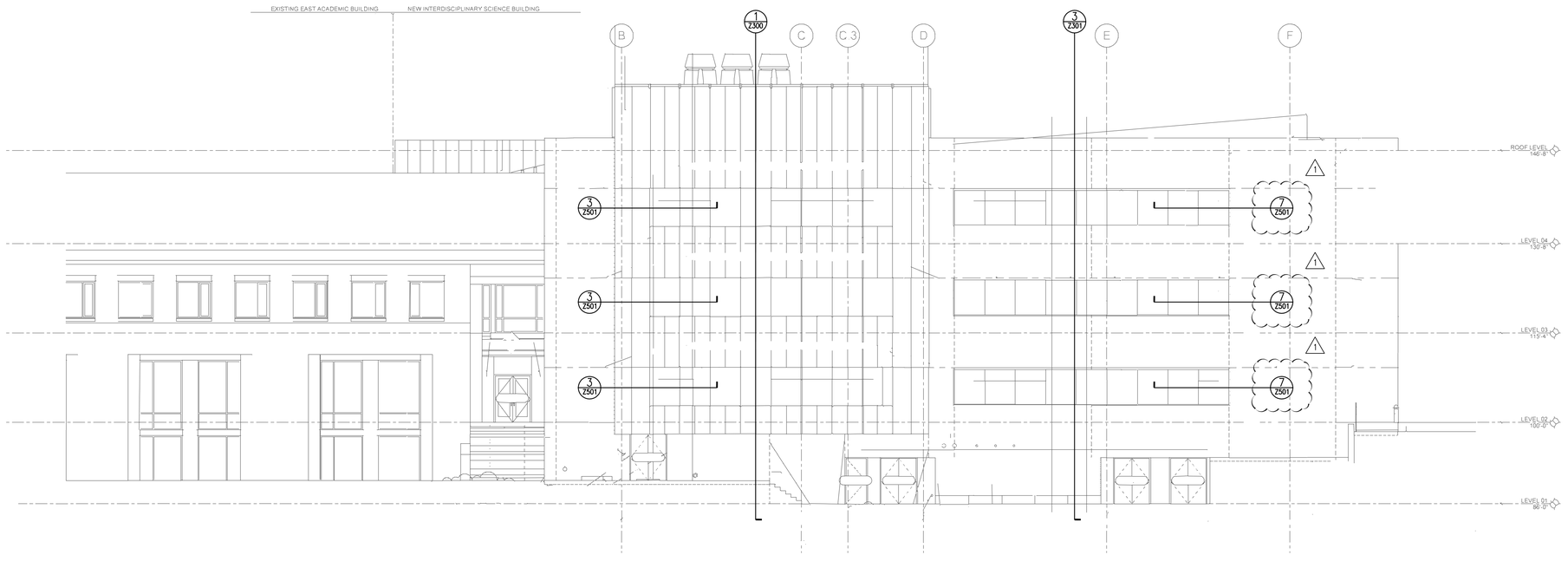


2 Z201 EAST ELEVATION
REF. 1/A0313 | 3/32"=1'-0"

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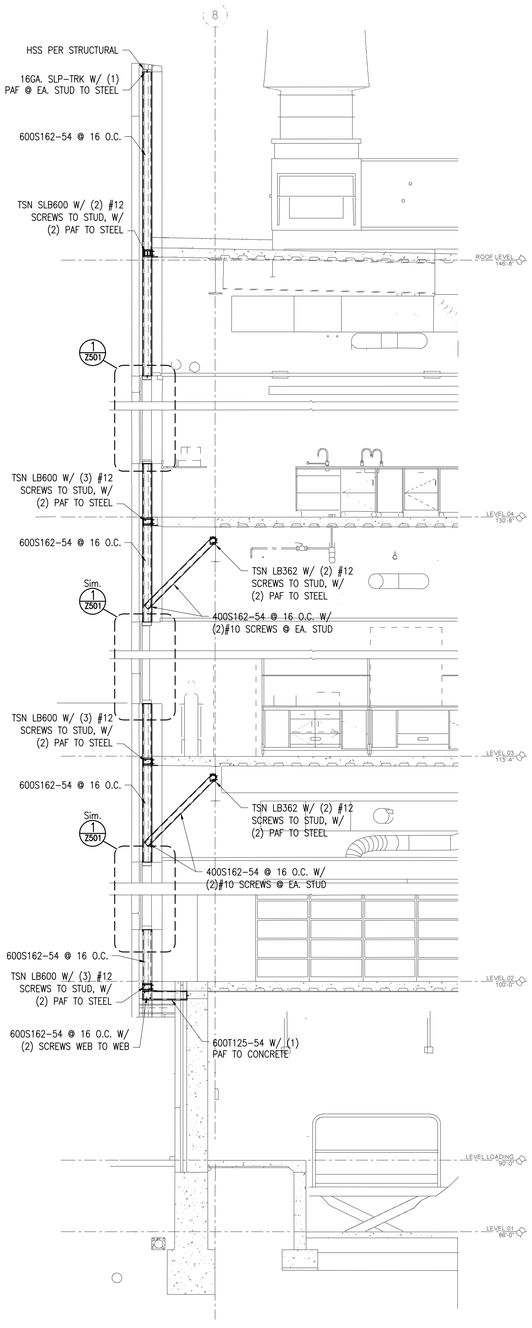
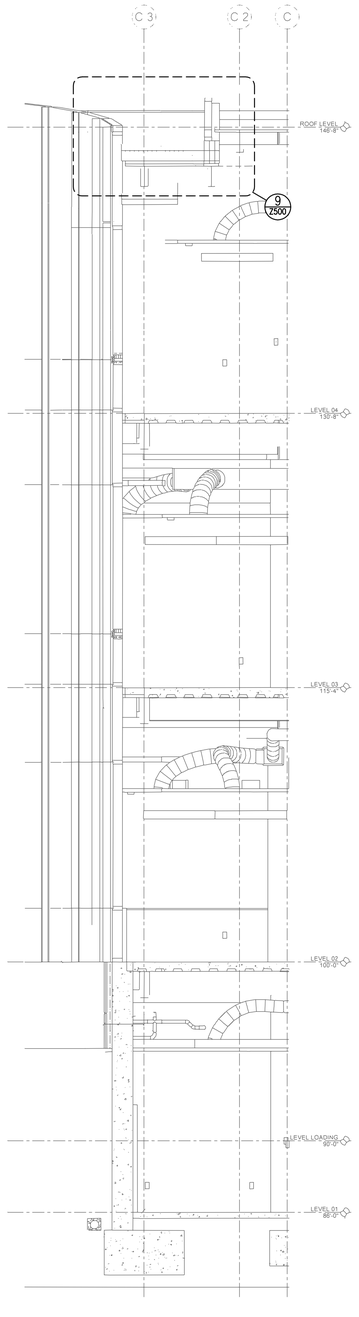



1 Z300 EAST WALL SECTION – METAL PANEL
REF. 4/A0401 | 1/4"=1'-0"




2 Z300 NORTH WALL SECTION C–SSG CURTAINWALL & WA–L2
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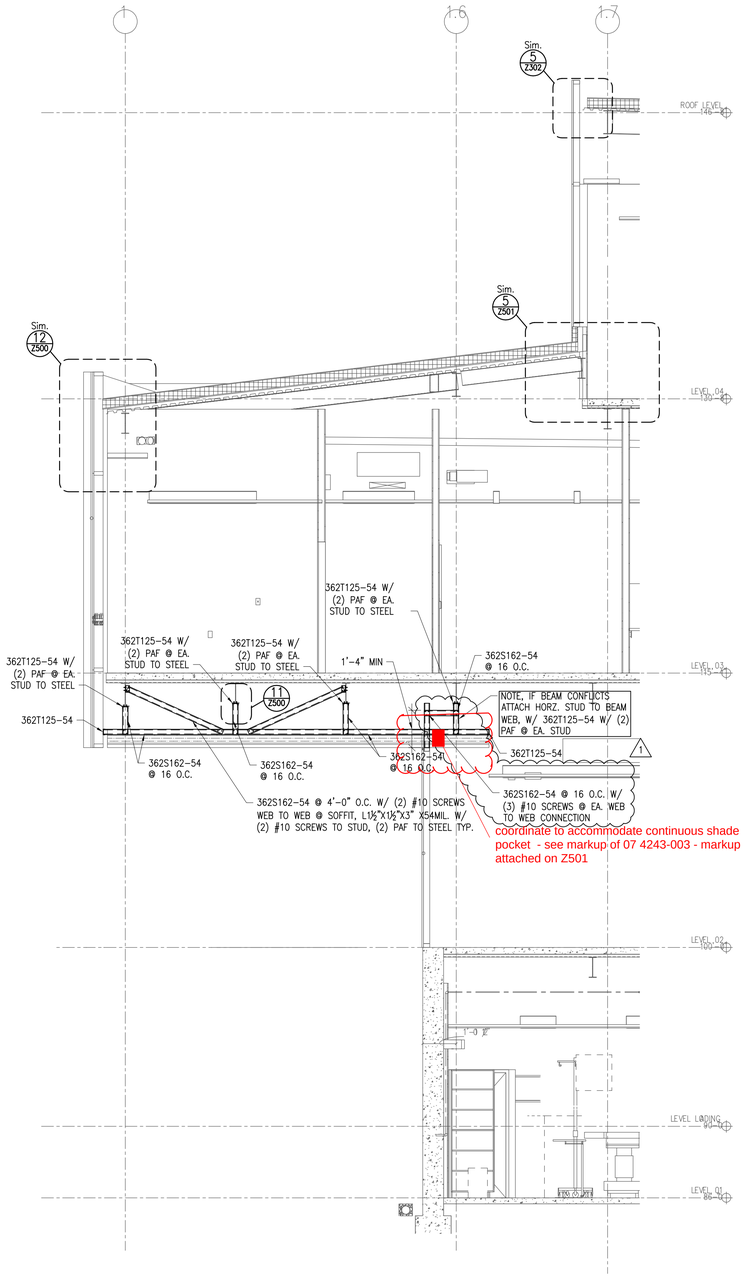


3 Z300 WEST WALL SECTION A– ISB OVERHANG
REF. 1/A0406 | 1/4"=1'-0"

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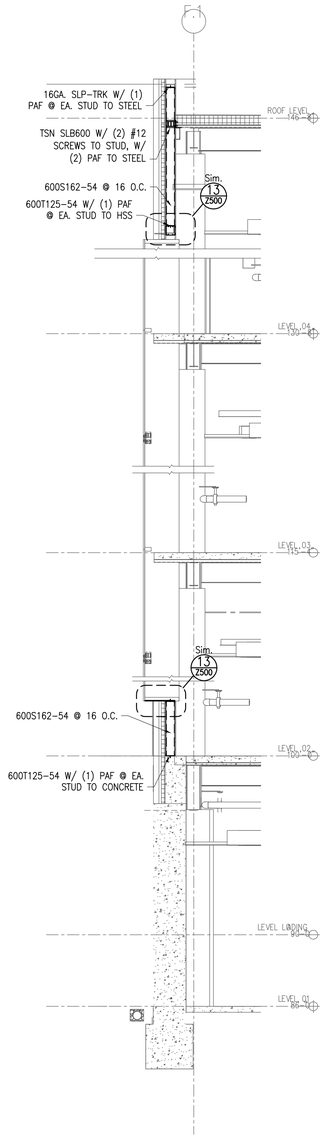
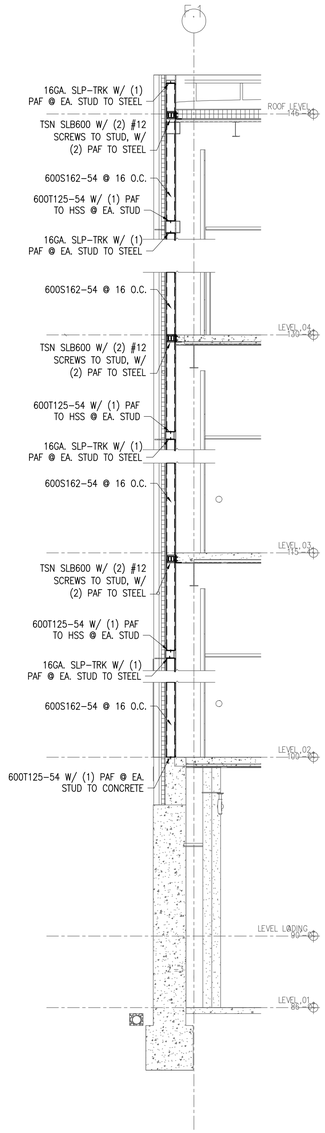



1 Z301 NORTH WALL SECTION E- WA-B1

REF. 4/A0402 | 1/4"=1'-0"

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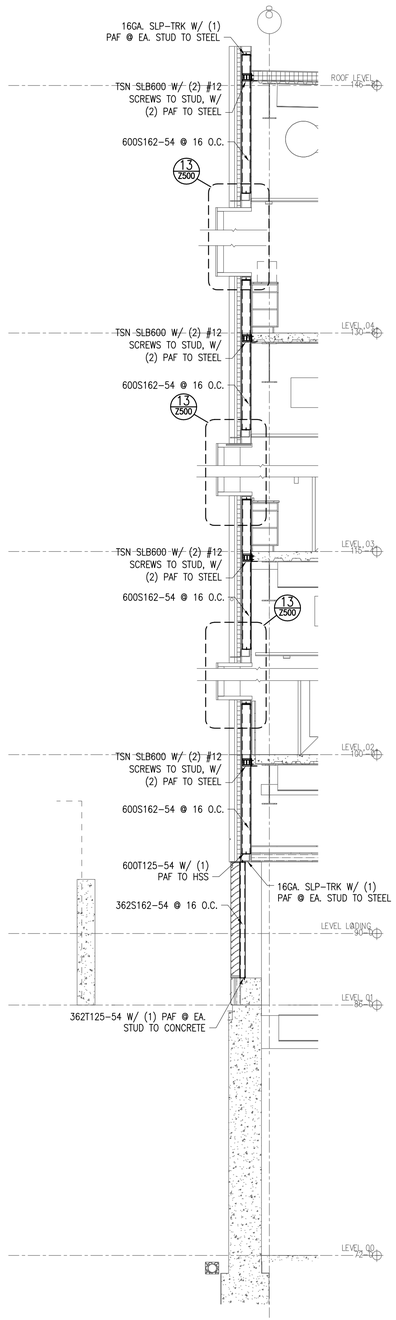
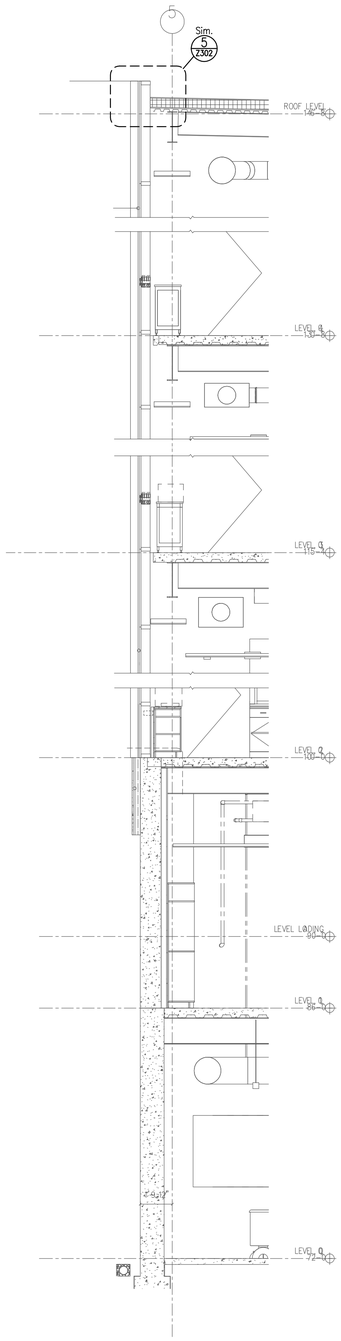



3 Z301 EAST WALL SECTION - WA-B1

REF. 2/A0402 | 1/4"=1'-0"




4 Z301 WEST WALL SECTION -SSG CURTAINWALL & WA-L2

REF. 1/A0402 | 1/4"=1'-0"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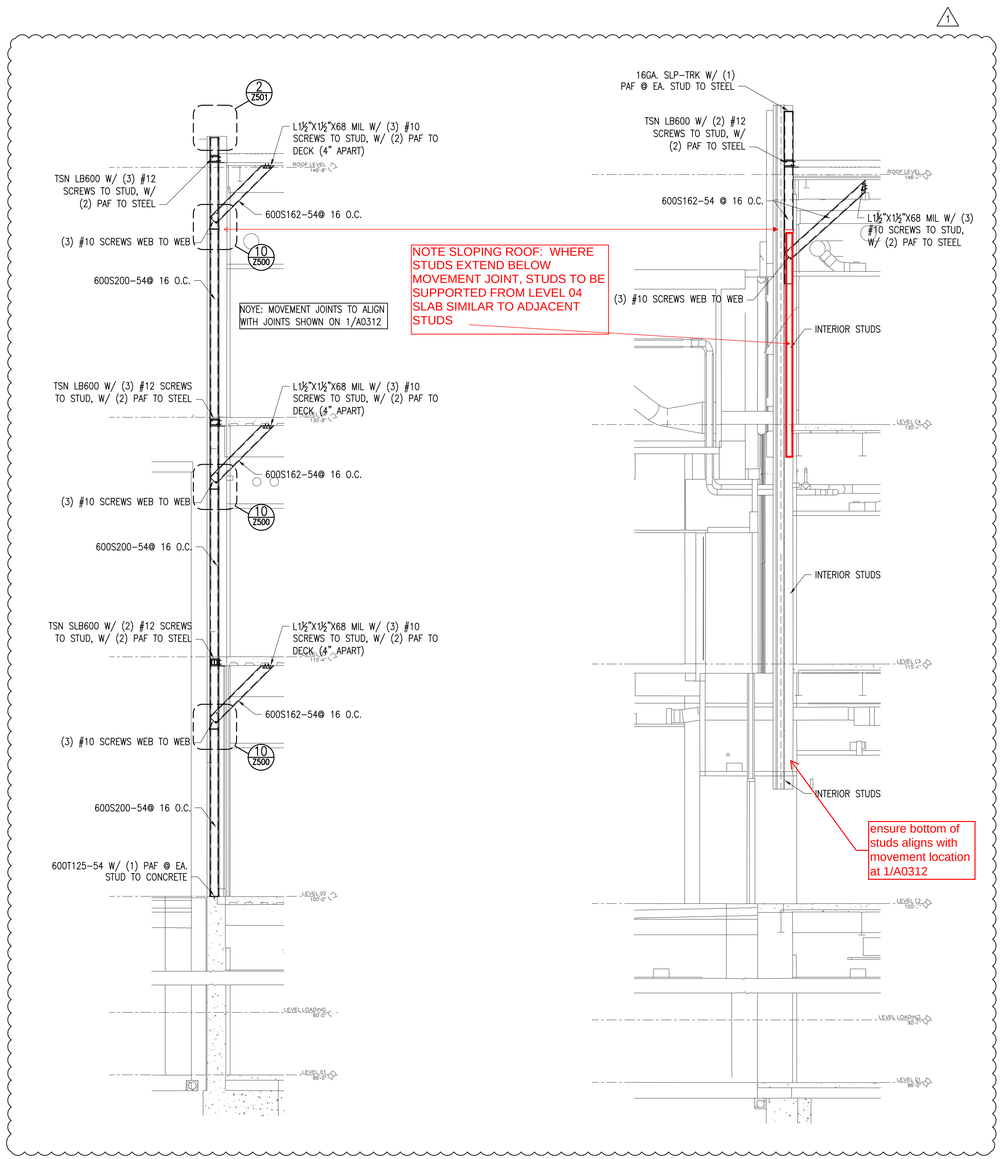
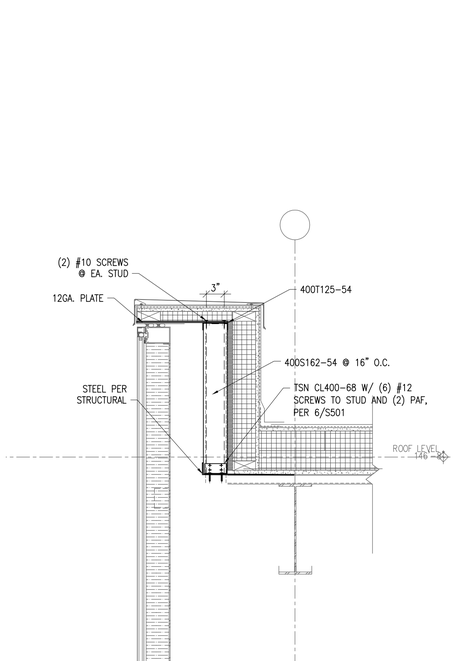
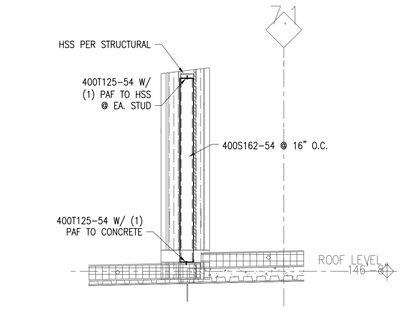



1 Z302 SOUTH WALL SECTION – WA-L1
REF. 4/A0403 | 1/4"=1'-0"




2 Z302 WEST WALL SECTION – WA-L1 & EAB CONNECTION
REF. 3/A0403 | 1/4"=1'-0"

3 Z302 SOUTH WALL SECTION –WA-B1
REF. 2/A0403 | 1/4"=1'-0"




4 Z302 SECTION– MECHANICAL SCREEN WALL
REF. 5/A0404 | 3/8"=1'-0"




5 Z302 ENLARGED DETAIL – NORTH CURTAINWALL @ ROOF ASSEMBLY
REF. 3/A0404 | 1"=1'-0"

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DRAWING NO. Z302
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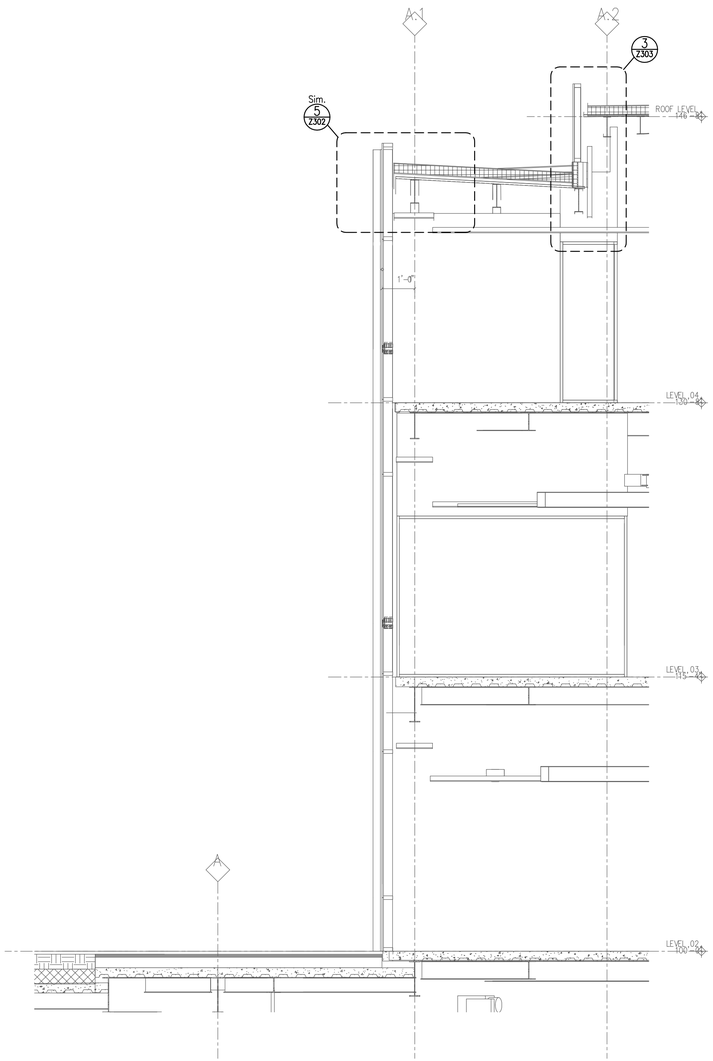


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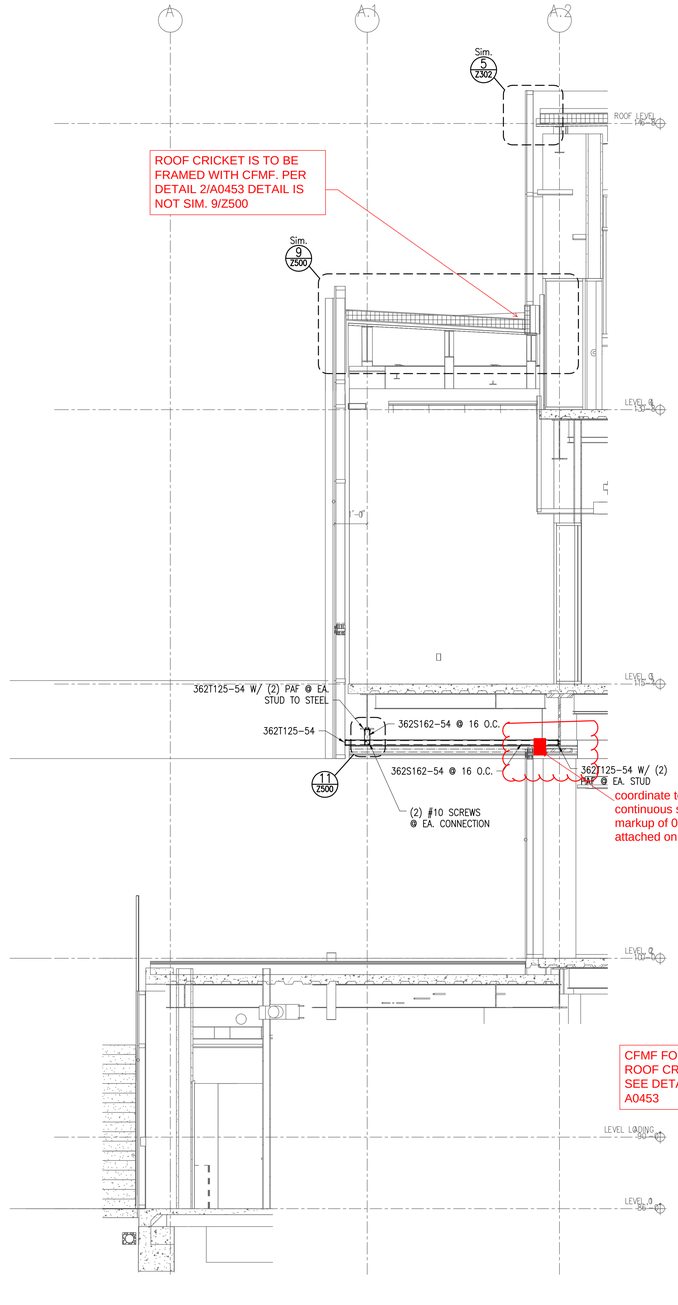


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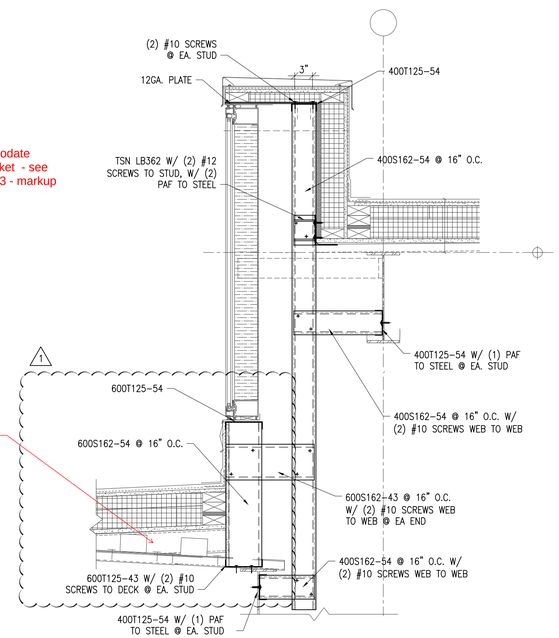


3 Z303 ENLARGED DETAIL – CURTAINWALL PARAPET
REF. 2/A453 | 1/4"=1'-0"

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STATE OF MISSOURI
CODY LANDON DAILEY
NUMBER PE 2008002145
PROFESSIONAL ENGINEER

11.16.16

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI.

DATE:

CODY L. DAILEY
PE NO. 2008002145

MY LICENSE RENEWAL DATE IS DEC. 31, 2017

**WEBSTER UNIVERSITY ISB**

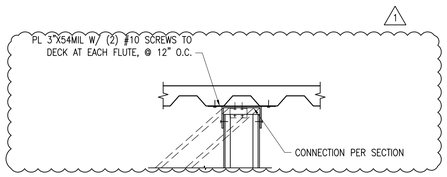
ST. LOUIS, MO
80916190
09/21/2016

REVISIONS
REV1- 10/20/2016

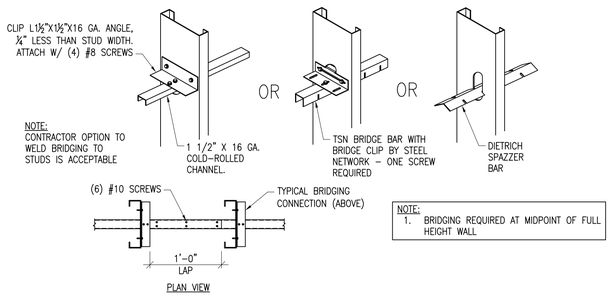
ENGINEER: CLD
DRAWN BY: ANW
CHECKED BY: JTG
FIELD BOOK NO.:

SECTION

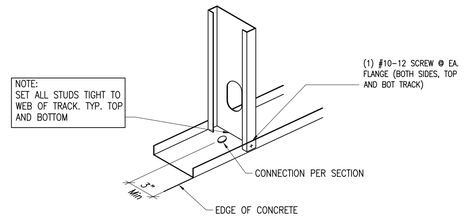
DRAWING NO.: Z303
SHEET NO.: 7 OF 9



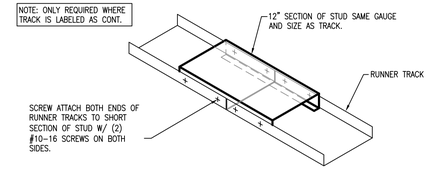

1 Z500 DECK CONNECTION IF MISALIGNED AT FLUTES
1"=1'-0"



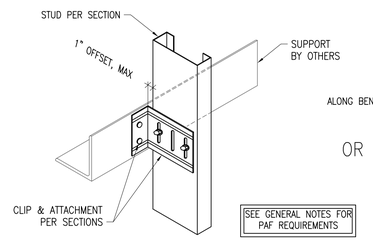

2 Z500 TYPICAL BRIDGING
1"=1'-0"

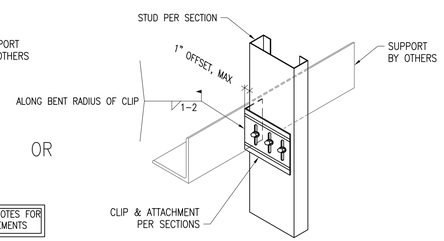



3 Z500 TYPICAL STUD BASE
1"=1'-0"

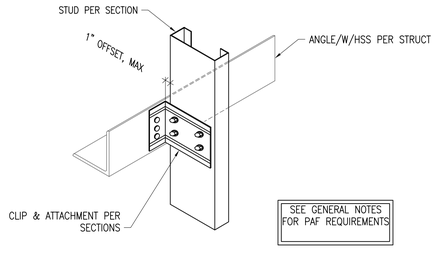



4 Z500 TRACK SPLICE DETAIL
1"=1'-0"

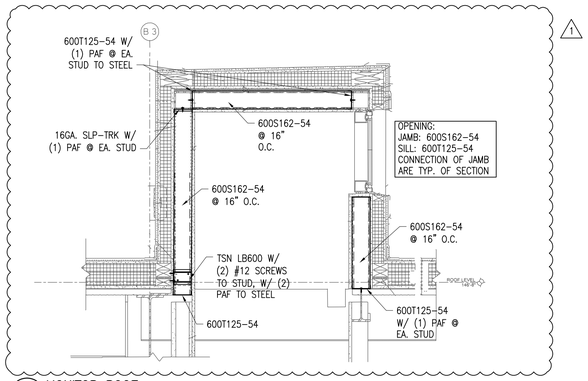


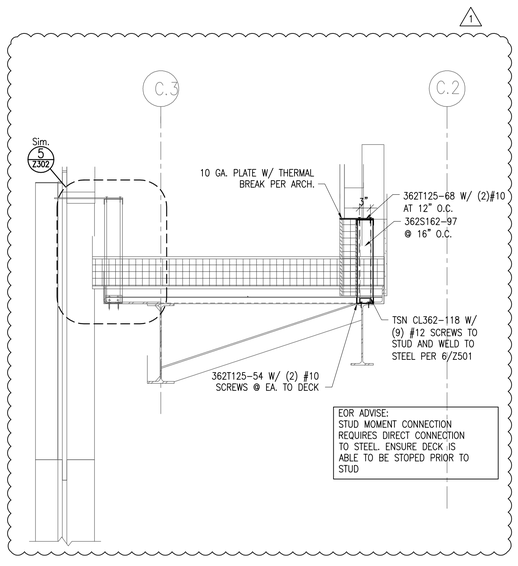

5 Z500 TSN SLIPCLIP SLB
1"=1'-0"



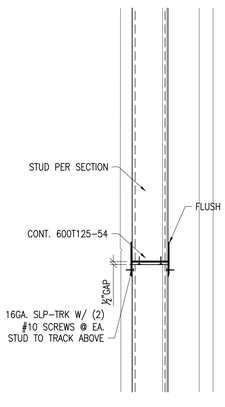

6 Z500 TSN STIFCLIP LB
1"=1'-0"



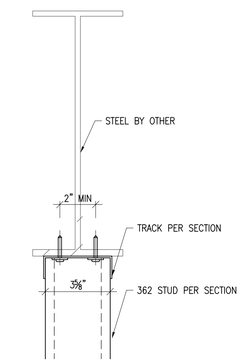

7 Z500 MONITOR ROOF
REF 6/A0458 | 1/2"=1'-0"




9 Z500 MOMENT RESISTING CILPS W/ WALL EDGES
REF. 7/S0302 | 3/4"=1'-0"

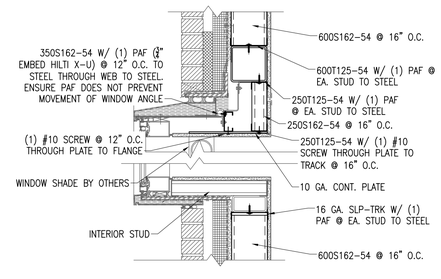



10 Z500 MOVEMENT JOINT
1"=1'-0"




11 Z500 DETAIL
3"=1'-0"

12 Z500 BUILT UP PARAPET
REF. 3/S0303 | 3/4"=1'-0"




13 Z500 ENLARGED DETAIL– WA-B1 PROJECTED GLAZING UNIT
REF. 7/A0452 | 1"=1'-0"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Columbia, MO 65202
P 573-814-1568
F 573-814-1128

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EXPIRES: DECEMBER 31, 2016



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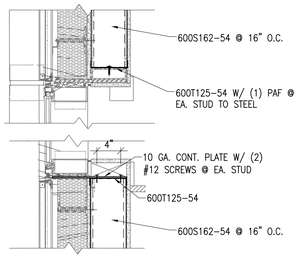
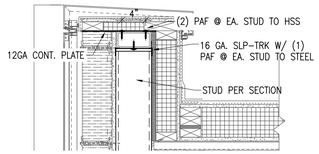
CHECKED BY: JTG
FIELD BOOK NO.:

DETAILS

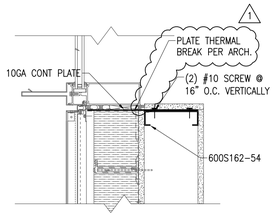
DRAWING NO.: Z500
SHEET NO.: 8 OF 9



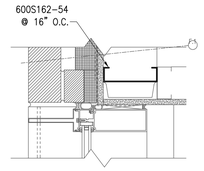

1 Z501 **WINDOW OPENING WA-B1**
REF. 8/A0452 | 1"=1'-0"



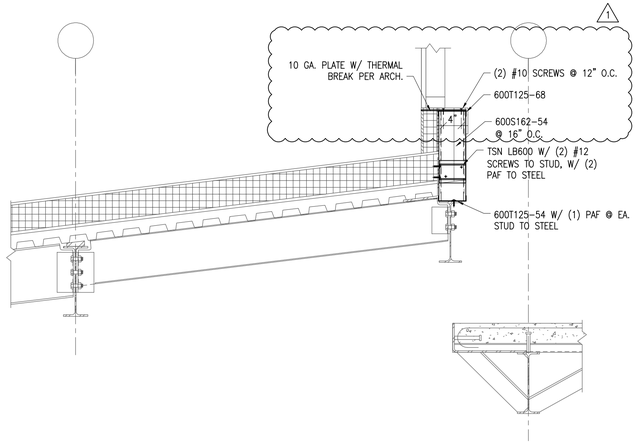

2 Z501 **TOP OF WA-B1 PARAPET**
REF. 8/A0452 | 1"=1'-0"



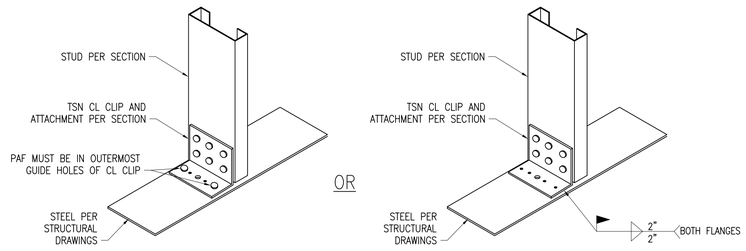

3 Z501 **PLAN @ WINDOW**
REF. 3/A0421 | 1-1/2"=1'-0"



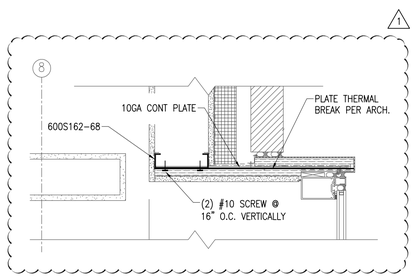

4 Z501 **PLAN @ WINDOW TRANSITION**
REF. 7/A0422 | 1-1/2"=1'-0"



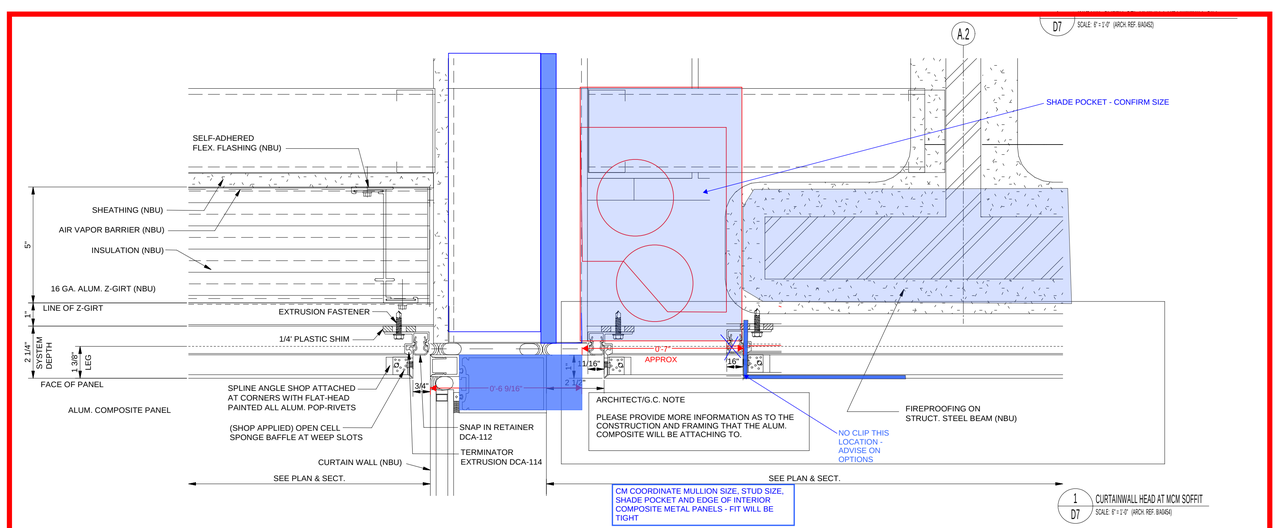

5 Z501 **FRAMING SECTION**
REF. 6/S302 | 3/4"=1'-0"




6 Z501 **TSN STIFFCLIP CL**
1"=1'-0"




7 Z501 **PLAN DETAIL- EAST PROJECT D CURTAINWALL-JAMB**
REF. 1/A0422 |1-1/2"=1'-0"




FOR COMMENTS 3/Z300 AND 2/Z303: REFERENCE FROM 074243-003 MARKUP FOR SHADE POCKET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Columbia, MO 65202
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REVISIONS
REV1- 10/20/2016

ENGINEER: CLD
DRAWN BY: ANW
CHECKED BY: JTG
FIELD BOOK NO.:

DETAILS

DRAWING NO.: Z501
SHEET NO.: 9 OF 9

CANNONDESIGN

# SUBMITTAL IDENTIFICATION SHEET

**To be completed by Contractor/CM**

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

| 054000-001 REV 1 | |
|---|---|
| CONTRACTOR / CM SUBMITTAL NO. | CANNON DESIGN SUBMITTAL NO. |
| | 054000 |
| DRAWING / DETAIL REFERENCE | SPECIFICATION SECTION / PARAGRAPH |
| MANUFACTURER / SUPPLIER | ITEM / PRODUCT ID |
| REQUIRED DATE | PRIORITY ◯ CRITICAL |

ITEM BEING SUBMITTED (check only one)

- ◉ Shop Drawings
- ◯ Samples ( _____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

| DEVIN D GATES | 11/17/16 |
|---|---|
| REVIEWED BY | DATE |

**To be completed by Reviewer**

05 4000-001 REV002
CANNON DESIGN SUBMITTAL NUMBER

11/17/16
RECEIVED DATE

- ◯ A. No Exceptions Taken
  No further review of submittal is required.
- ◉ B. Make Corrections Noted
  Incorporate corrections in work; resubmission is not required.
- ◯ C. Revise and Resubmit
  Revise as noted, and resubmit for review.
- ◯ D. Rejected
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ E. For Record / Information Only
  Submittal was reviewed for Record / Information purposes only.
- ◯ F. Not Required for Review
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

Roof crickets are framed with CFMF at Column line A.2 & A.1. See detail 2/A0453.

Coordinate and adjust framing to accommodate continuous shade pockets at glazing adjacent to cantilever soffit on west side.

Lynn Grossman 11/28/16

Lynn Grossman 11/28/16

| | 11/28/16 |
|---|---|
| REVIEWED BY | DATE |

DRAWINGS FOR

# PARIC

DESIGN FOR

# WEBSTER UNIVERSITY ISB

## ST. LOUIS, MO

## GENERAL NOTES

**Design Criteria**

1. Design Codes:
   a. International Building Code (IBC 2009)
   b. Minimum Design Loads for Buildings and Other Structures: ASCE 7-05

2. Wind Load

| | |
|---|---|
| Ultimate Wind Speed, $V_{ult}$ | = 90 mph |
| Risk Category | = III |
| Wind Exposure | = B |
| Internal pressure Coefficient ($GC_{pi}$) | = ±0.18 |
| Components and Cladding (psf): | =-23 (corner load used everywhere) |
| Components & Cladding Parapet (psf) | =31.2 (corner load used everywhere) |

2. Seismic Design

| | |
|---|---|
| Seismic Design Category | =C |

**GENERAL NOTES**

1. All construction shall conform to the International Building Code (IBC) 2009.
2. Contractor shall verify all dimensions and conditions at the job site before commencing work and shall report any discrepancies to the engineer.
3. Omissions or conflicts between various elements of the drawings, notes and details shall be brought to the attention of the engineer and resolved before proceeding with the work
4. Do not use scaled dimensions; use written dimensions or where no dimension is provided, consult the engineer for clarification before proceeding with the work.
5. Details and keynotes shown shall be incorporated into the project at all appropriate locations whether specifically called out or not.
6. See Specifications or Notes on drawings for materials of construction.
7. Drawings are based on Architectural drawings from KWK Architects, Construction Set, Dated 7-1-16
8. Drawings are based on Structural drawings from David Mason & Associates, ASI 023, Dated 8-28-16

**COLD FORMED STRUCTURAL STUD FRAMING**

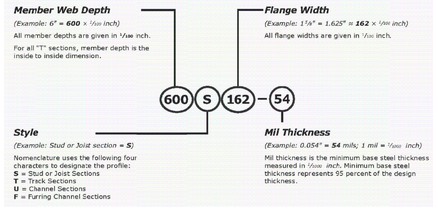
1. Any dimensional information shown is included for engineering purposes only. It is the responsibility of the contractor to verify building dimensions with the A/E and MEP drawings and to comply with all other requirements of the Contract Documents.
2. Shop Drawings must be submitted for all cold formed structural stud framing.
3. All materials shall have 33 ksi minimum yield strength, except studs and track of 16 gage or heavier shall have a minimum yield strength of 50 ksi.
4. All material properties, fabrication, and erection shall be in accordance the latest edition of the AISI "Specifications for the Design of Cold-Formed Structural Members."
5. Any proprietary connectors shown have been selected based on specifications and capacities published by the manufacturer. Weld design values have been based on the latest edition of the AISI "Specifications for the Design of Cold-Formed Structural Members." Any deviance from the brand, type, size or quantity of connectors indicated on these drawings must be approved by the engineer prior to construction.
6. Bridging is not required where studs have full height sheathing on both sides. Where there is not sheathing on both sides bridging shall be installed at a maximum spacing of 4'-0" on center, attached per the manufacturer's recommendations. Install a row of horizontal bridging within 12" of single deflection tracks, when used in lieu of slotted tracks or clips.
7. All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members shall not be permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted.
8. Special anchorage requirements required for wind and seismic bracing shall be as shown on the plans.
9. Members shall not be spliced other than at the locations indicated on the drawings. All splices shall conform to the details in the drawings.
10. Contractor shall verify sizes and locations of structural components where members attach.
11. Temporary bracing shall be provided & remain in place until work is completely stabilized
12. No notching or coping of studs is allowed, unless stated within this drawing package.
13. Design assumes conditions to be stabilized and in final location. Temporary bracing (by others) or other means of stabilization may be required until framing is in its stable & final condition.
14. Per AISI standard for cold-formed framing- wall design, the maximum allowable gap (measured between the web of the stud and of the track) for a stud seated in a track is 1/4" for non-axial load bearing conditions and 1/8" for axial load bearing conditions (U.N.O.) Pressure should be applied to nest the studs into the tracks until the tolerances listed above are achieved. Failure to do so could result in serviceability problems in the future.

Cold Formed Connections

1. All fasteners are to be installed per manufacturer's recommendations. Do not substitute fasteners without written permission from THHinc McClure
2. PAF point must penetrate through full base steel thickness. Notify PAF manufacturer for instructions where full penetration is not achieved.
3. If required, all welded connections are to be performed in accordance with the latest version of AWS D1.3-98 Specifications for Welding Sheet Steel in Structures. Consult AWS D19.0 Welding Zinc Coated Steel & ANSI Standard Z49.1 for information regarding safe welding procedures.
4. Minimum weld throat thickness (t) must match or exceed the base steel thickness of the thinnest connected part unless noted otherwise.
5. In welding, the zinc coating on steel framing will be burned away; therefore, a zinc rich paint must be applied to the weld area to provide corrosion resistance.
6. All screw connections are based on NASPEC Section E4, which outlines the AISI Specification provisions for screw connections.
7. For screws, a minimum of 1.5 x screw diameter clearance must be maintained from all edges of the steel members. A minimum of 3.0 x screw diameter on-center spacing must be maintained between adjacent screws.
8. Power driven fastener systems, expansion anchor systems, masonry screw systems, & adhesive anchor systems connections are based on literature for fastener requirements (e.g. Spacing, edge distance, base material thickness, etc.) Alternate manufacturer's fasteners of comparable specifications & load capacities are acceptable.
9. All Tracks shall be fastened to each stud with #10 screws at each flange.
10. All PAFs shall be Hilti 0.157"D X-U, U.N.O. For PAF's into steel, steel shall have ¼" minimum thickness. PAF's into Steel shall have ½" minimum edge distance and 1" minimum spacing. PAF's into concrete shall have 1-1/2" penetration, 3" edge distance and 4" spacing (Min).

Product Identification

1. The designations of the Steel Stud Manufacturer Association are used in this package. Any Manufacturer whose product geometry meets or exceeds SSMA standards is acceptable. See below for SSMA nomenclature.




2. Web Size. (Nominal Member Depth)

| | | | |
|---|---|---|---|
| 3-5/8" Member | = 362 | Load Bearing Stud/Joist (1-3/8" flange) | S137 |
| 6" Member | = 600 | Load Bearing Stud/Joist (1-5/8" flange) | S162 |
| 8" Member | = 800 | Load Bearing Stud/Joist (2" flange) | S200 |
| 10" Member | = 1000 | Load Bearing Stud/Joist (2-1/2" flange) | S250 |
| 12" Member | = 1200 | Running Track (1-1/4" flange) | T125 |

Flange Designations:

3. The Last Two Numbers Indicate the Steel Thickness:

| Gage | Design | Minimum | SSMA | Color Coding |
|---|---|---|---|---|
| 20 | 0.0346" | 0.0329" | 33 mils | White |
| 18 | 0.0451" | 0.0428" | 43 mils | Yellow |
| 16 | 0.0566" | 0.0538" | 54 mils | Green |
| 14 | 0.0713" | 0.0677" | 68 mils | Orange |
| 12 | 0.1017" | 0.0966" | 97 mils | Red |

PER THE SPECIFICATIONS SECTION 054000 ALL CFMF EXTERIOR NON-LOAD-BEARING WALL FRAMING SHALL BE AS REQUIRED BY STRUCTURAL PERFORMANCE BUT NOT LESS THAN 16 GAUGE

INDEX OF SHEETS


Z001 COVER / INDEX/ NOTES
Z200 ELEVATION
Z201 ELEVATION
Z300 SECTIONS
Z301 SECTIONS
Z302 SECTIONS
Z303 SECTIONS
Z500 DETAILS
Z501 DETAILS



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PROFESSIONAL ENGINEER

9-21-16

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DATE:

CODY L. DAILEY
PE NO. 2008002145

MY LICENSE RENEWAL DATE IS DEC. 31, 2017

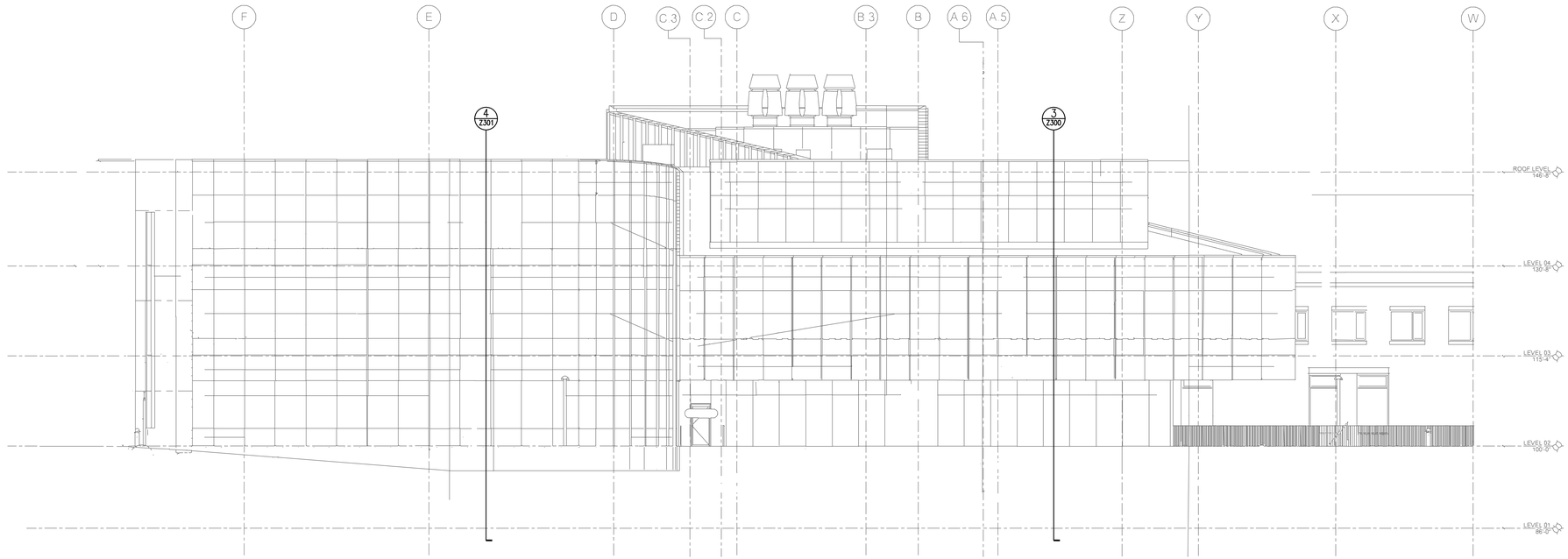
WEBSTER UNIVERSITY ISB
ST. LOUIS, MO
80916190
09/21/2016

REVISIONS

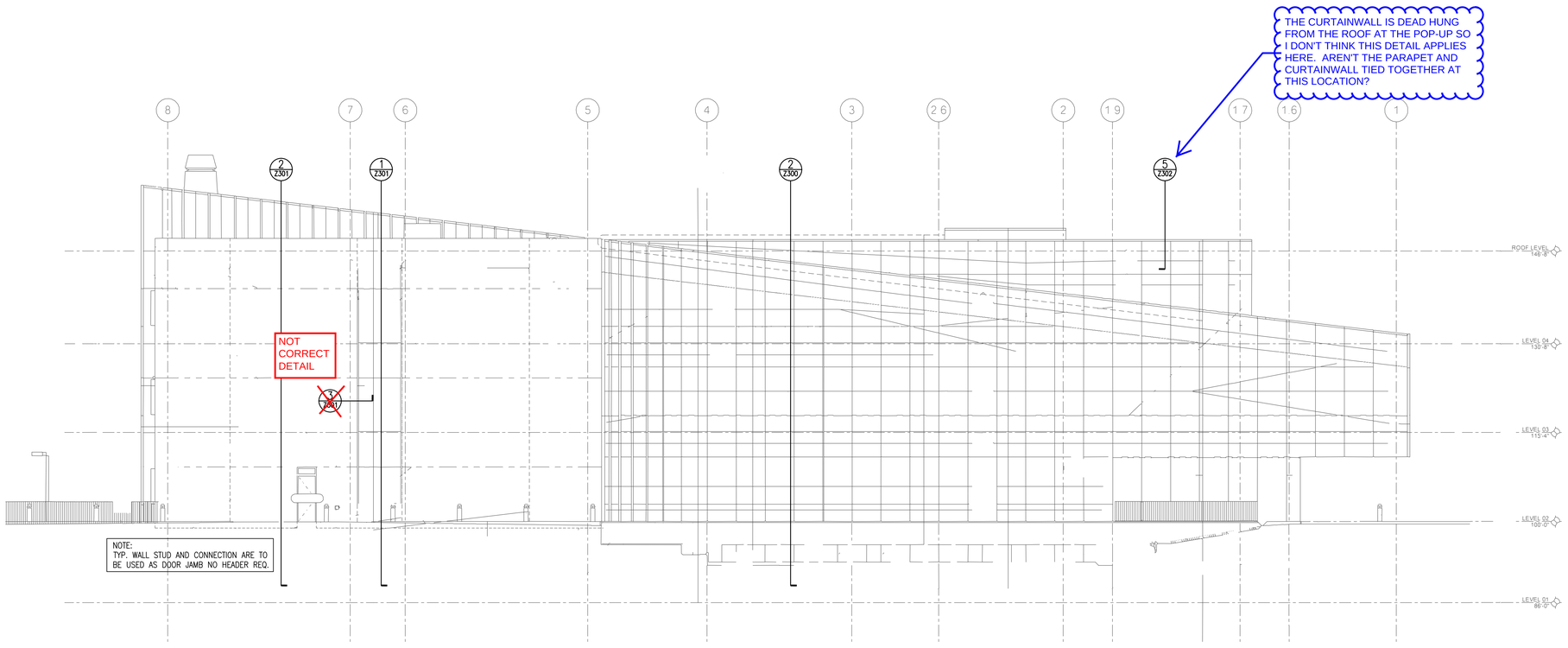
ENGINEER: CLD
DRAWN BY: ANW
CHECKED BY: JTG
FIELD BOOK NO.

COVER/ INDEX/ NOTES

DRAWING NO. Z001
SHEET NO. 1 OF 9




1 Z200 **WEST ELEVATION**
REF. 1/A0311 | 3/32"=1'-0"




2 Z200 **NORTH ELEVATION**
REF. 2/A0312 | 3/32"=1'-0"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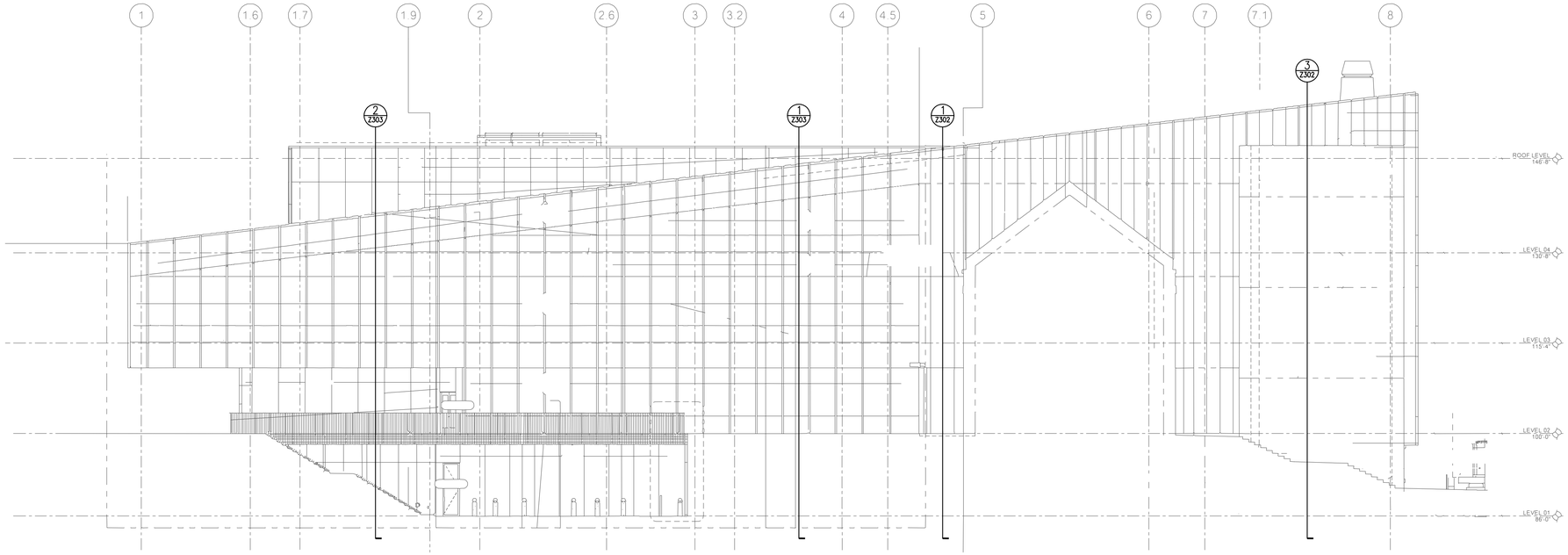
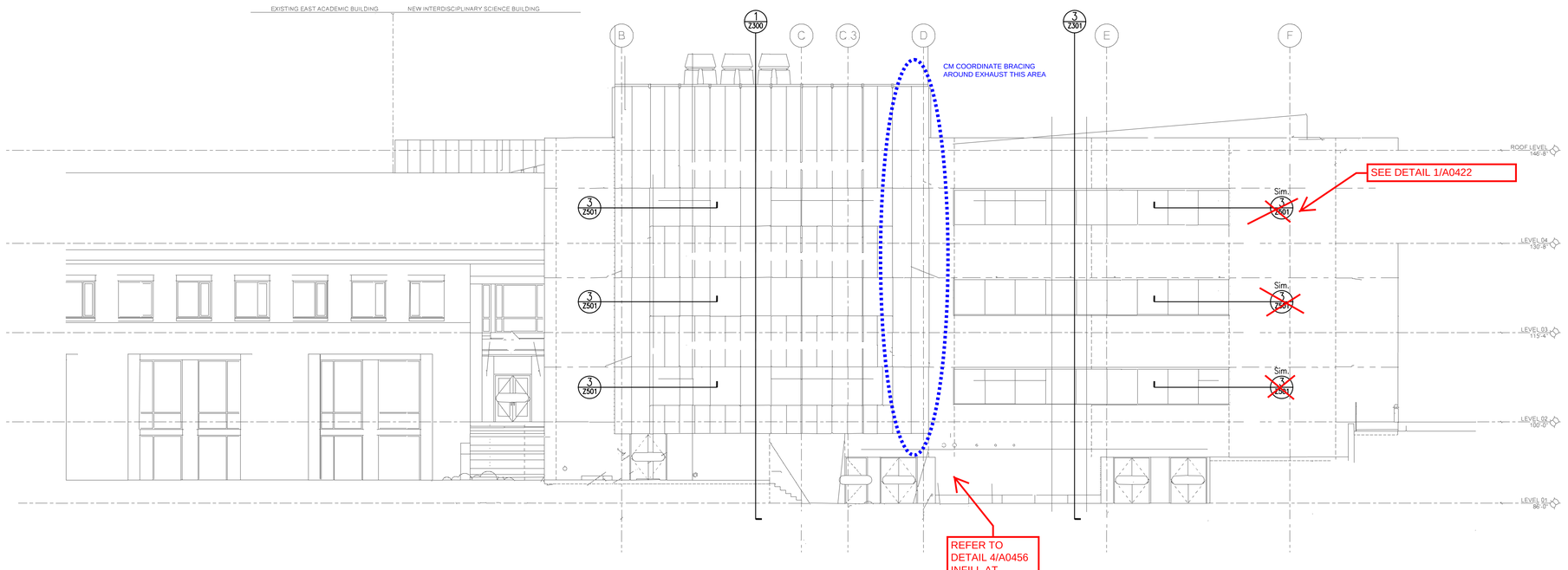
FIELD BOOK NO.:

**ELEVATIONS**

DRAWING NO.: Z200
SHEET NO.: 2 OF 9




1 Z201 SOUTH ELEVATION
REF. 1/A0312 | 3/32"=1'-0"




2 Z201 EAST ELEVATION
REF. 1/A0313 | 3/32"=1'-0"

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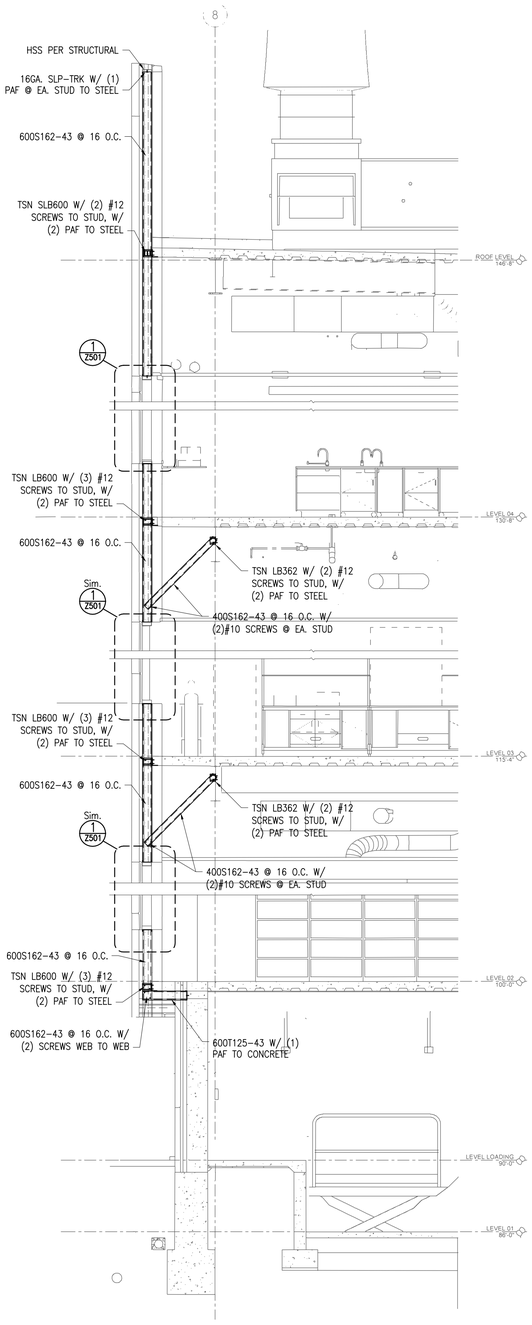
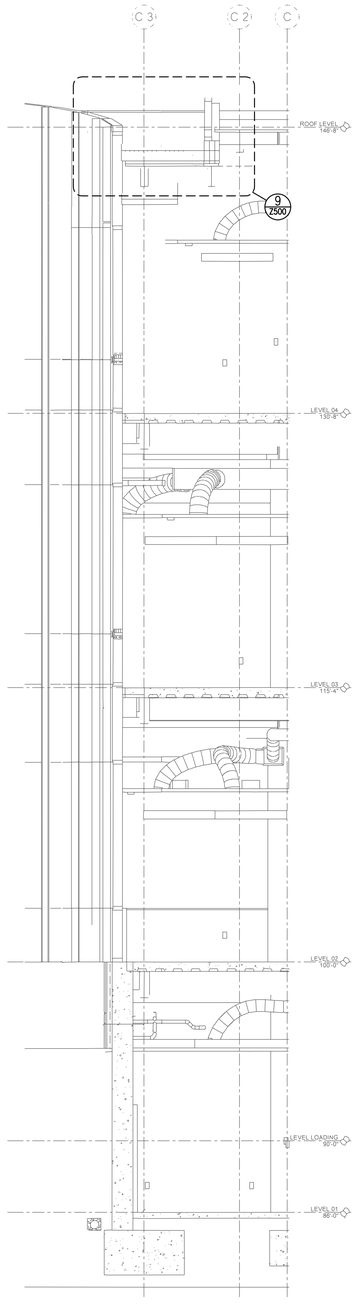
ELEVATIONS

DRAWING NO.: Z201
SHEET NO.: 3 OF 9

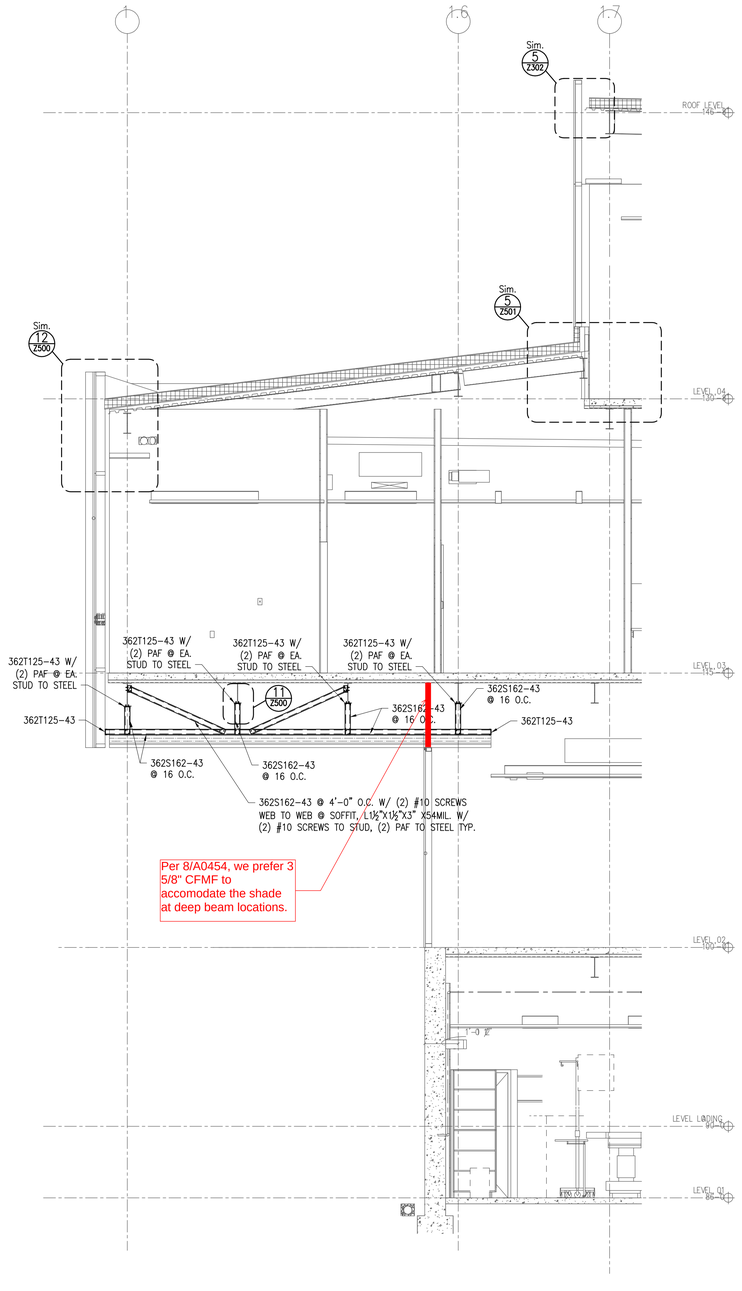
PER THE SPECIFICATIONS SECTION 054000 ALL CFMF EXTERIOR NON-LOAD-BEARING WALL FRAMING SHALL BE AS REQUIRED BY STRUCTURAL PERFORMANCE BUT NOT LESS THAN 16 GAUGE




1 Z300 EAST WALL SECTION – METAL PANEL
REF. 4/A0401 | 1/4"=1'-0"




2 Z300 NORTH WALL SECTION C–SSG CURTAINWALL & WA–L2
REF. 3/A0401 | 1/4"=1'-0"




3 Z300 WEST WALL SECTION A– ISB OVERHANG
REF. 1/A0406 | 1/4"=1'-0"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REVISIONS

ENGINEER: CLD
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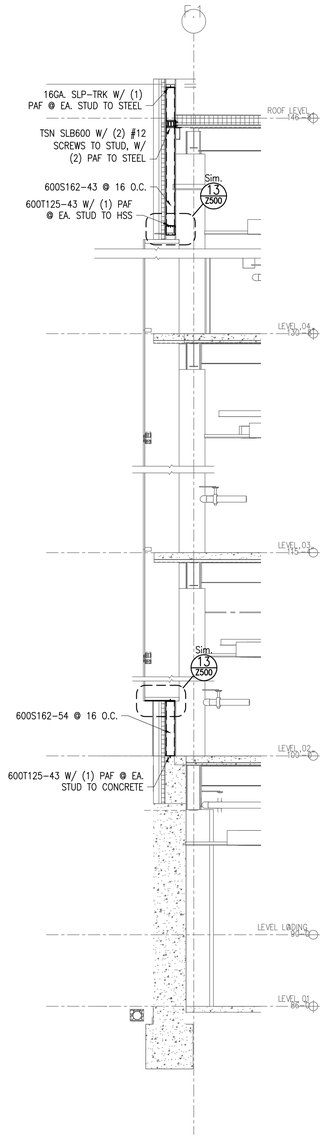
CHECKED BY: JTG
FIELD BOOK NO.:

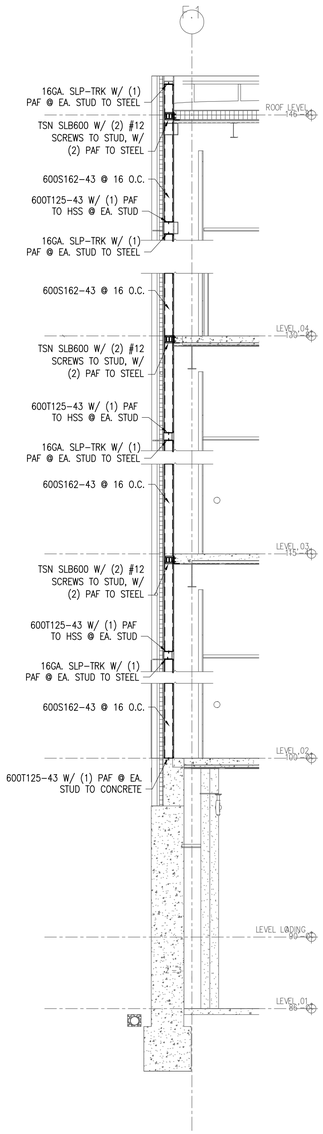
SECTION

DRAWING NO.: Z300
SHEET NO.: 4 OF 9

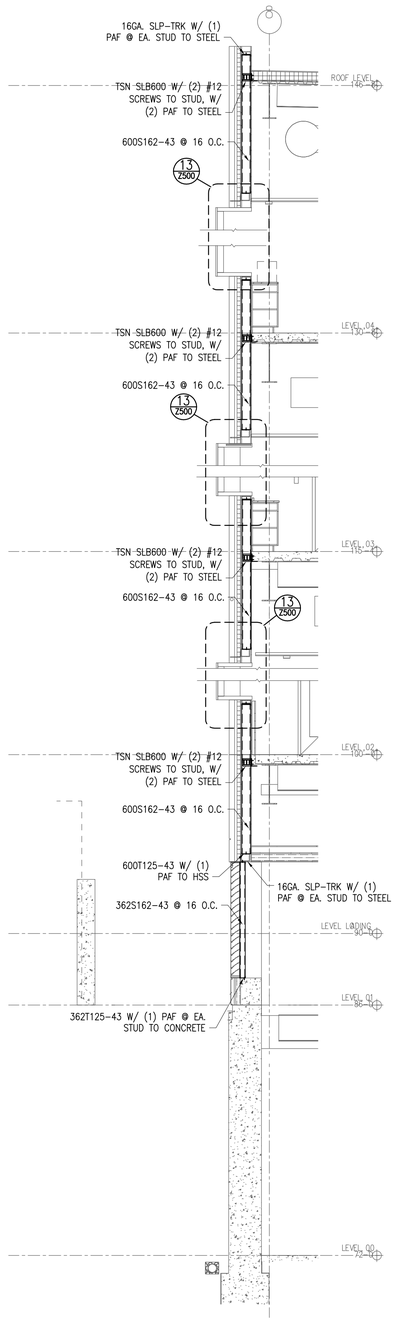
PER THE SPECIFICATIONS SECTION 054000 ALL CFMF EXTERIOR NON-LOAD-BEARING WALL FRAMING SHALL BE AS REQUIRED BY STRUCTURAL PERFORMANCE BUT NOT LESS THAN 16 GAUGE



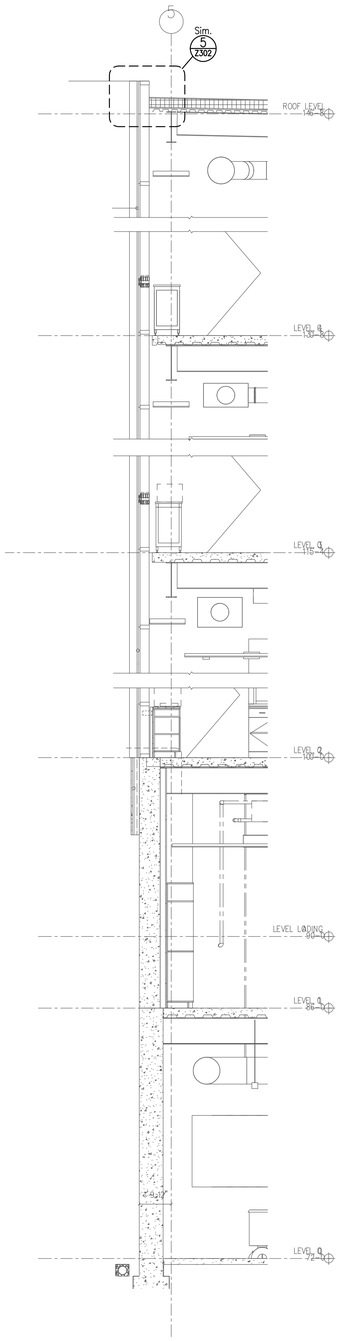

1 Z301 NORTH WALL SECTION E- WA-B1
REF. 4/A0402 | 1/4"=1'-0"




2 Z301 NORTH WALL SECTION D- WA-B1
REF. 3/A0402 | 1/4"=1'-0"




3 Z301 EAST WALL SECTION - WA-B1
REF. 2/A0402 | 1/4"=1'-0"




4 Z301 WEST WALL SECTION -SSG CURTAINWALL & WA-L2
REF. 1/A0402 | 1/4"=1'-0"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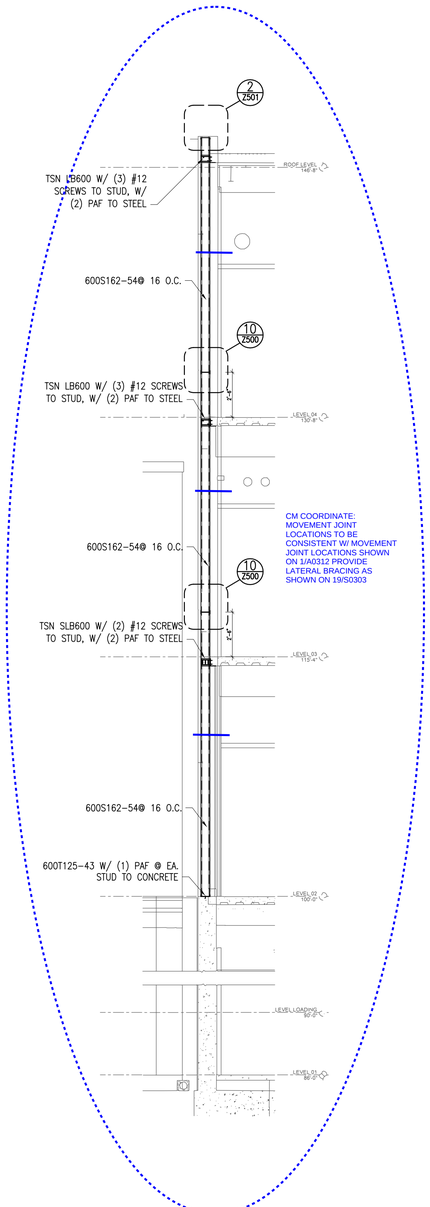
CHECKED BY: JTG
FIELD BOOK NO.:

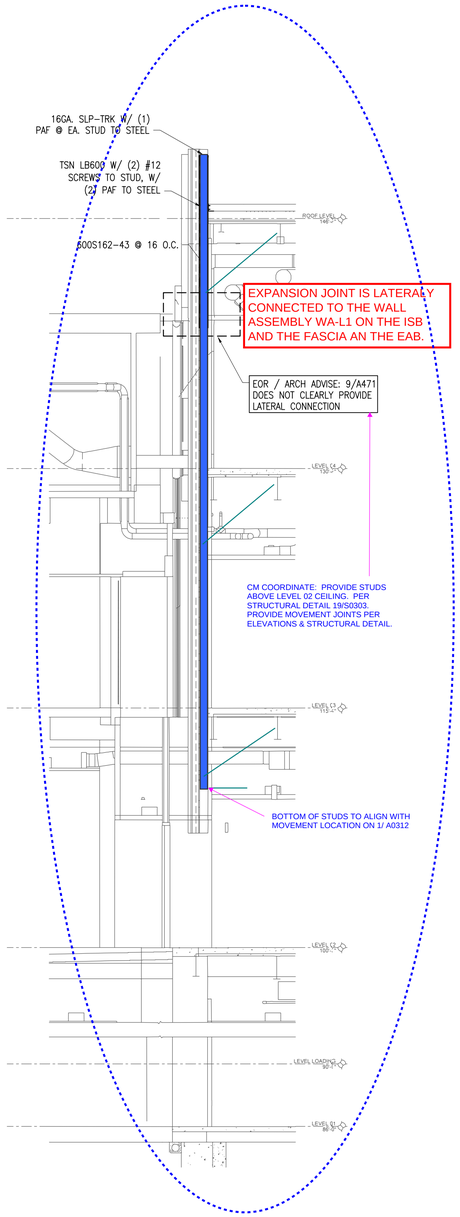
SECTION

DRAWING NO.: Z301
SHEET NO.: 5 OF 9

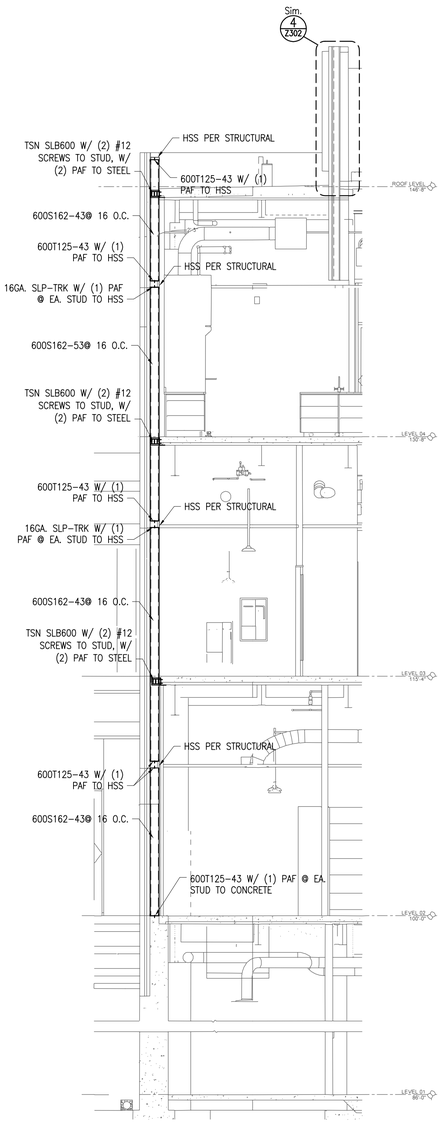
PER THE SPECIFICATIONS SECTION 054000 ALL CFMF EXTERIOR NON-LOAD-BEARING WALL FRAMING SHALL BE AS REQUIRED BY STRUCTURAL PERFORMANCE BUT NOT LESS THAN 16 GAUGE



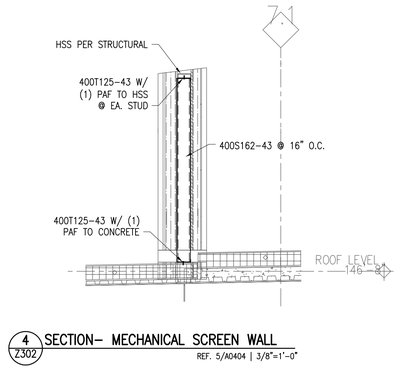

1 Z302 SOUTH WALL SECTION – WA-L1
REF. 4/A0403 | 1/4"=1'-0"



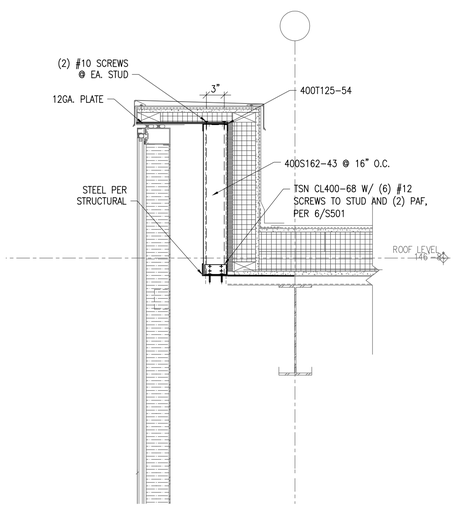

2 Z302 WEST WALL SECTION – WA-L1 & EAB CONNECTION
REF. 3/A0403 | 1/4"=1'-0"




3 Z302 SOUTH WALL SECTION –WA-B1
REF. 2/A0403 | 1/4"=1'-0"




4 Z302 SECTION– MECHANICAL SCREEN WALL
REF. 5/A0404 | 3/8"=1'-0"




5 Z302 ENLARGED DETAIL – NORTH CURTAINWALL @ ROOF ASSEMBLY
REF. 3/A0404 | 1"=1'-0"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FIELD BOOK NO.:

SECTION

DRAWING NO.: Z302
SHEET NO.: 6 OF 9

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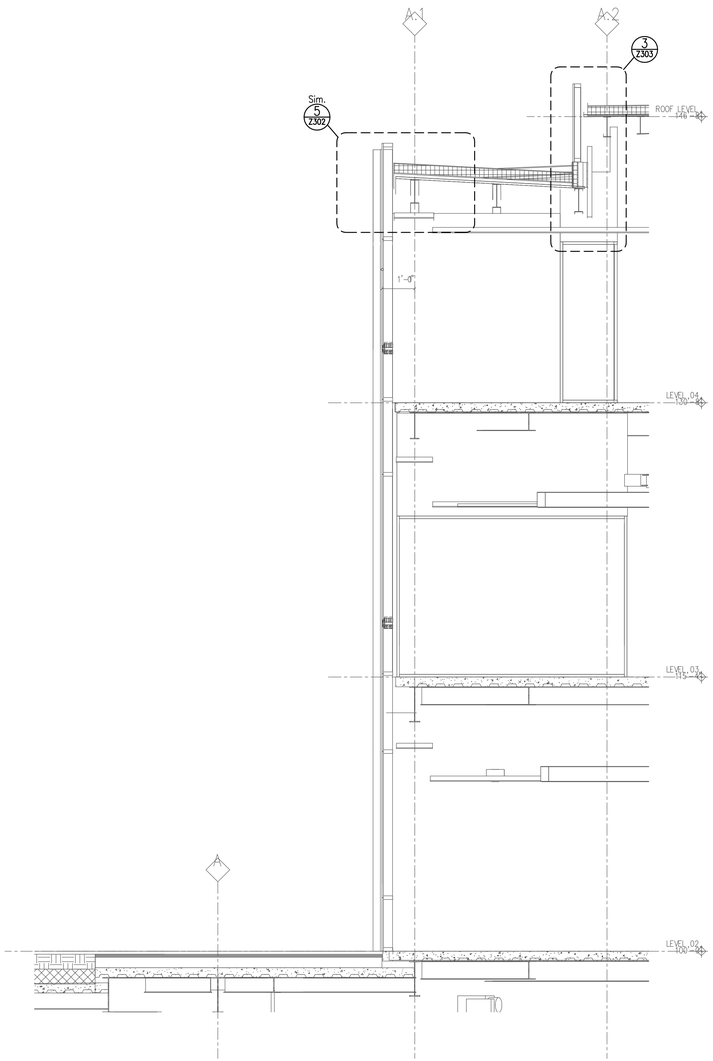
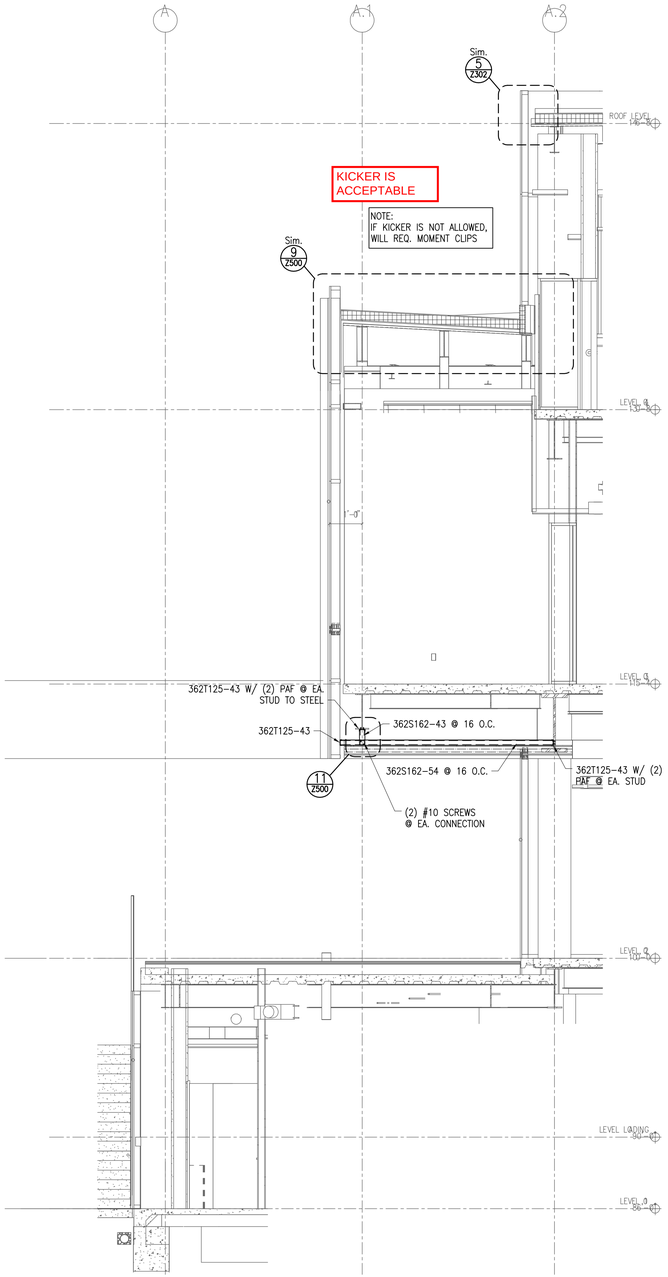
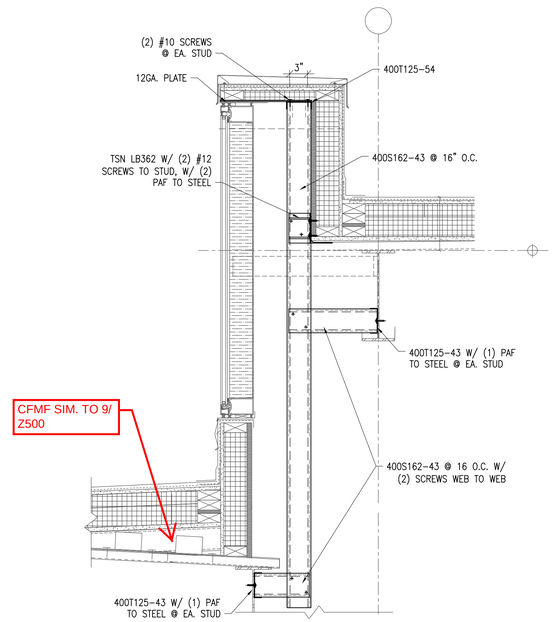



1 Z303 SOUTH WALL SECTION – SSG CURTAINWALL
REF. 1/A0404 | 1/4"=1'-0"




2 Z303 SOUTH WALL SECTION – COURTYARD @ ISB OVERHANG
REF. 1/A0405 | 1/4"=1'-0"




3 Z303 ENLARGED DETAIL – CURTAINWALL PARAPET
REF. 2/A453 | 1/4"=1'-0"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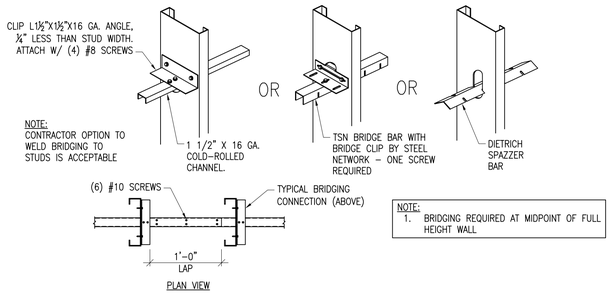
CHECKED BY: JTG
FIELD BOOK NO.:

SECTION

DRAWING NO.: Z303
SHEET NO.: 7 OF 9




2 Z500 TYPICAL BRIDGING 1"=1'-0"

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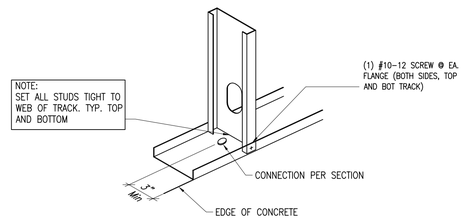
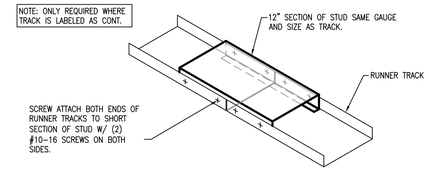
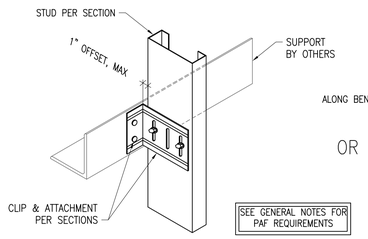
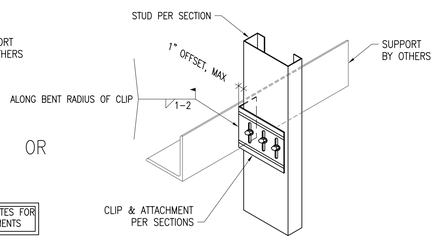



3 Z500 TYPICAL STUD BASE 1"=1'-0"

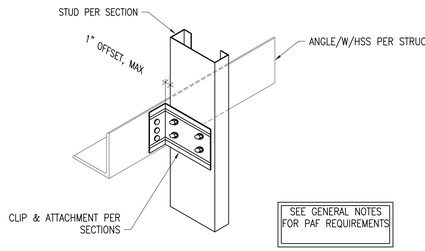



4 Z500 TRACK SPLICE DETAIL 1"=1'-0"

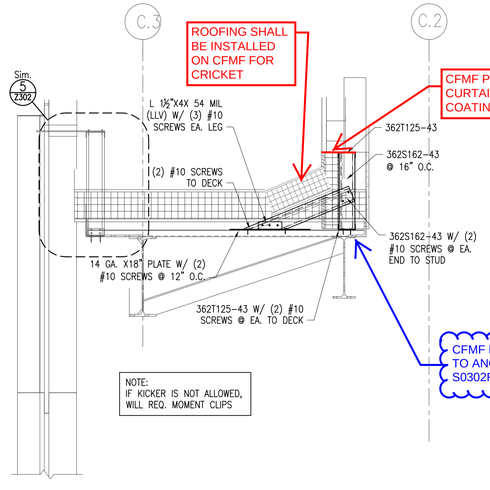


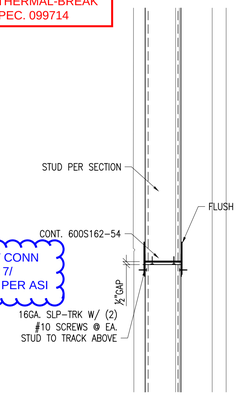

5 Z500 TSN SLIPCLIP SLB 1"=1'-0"



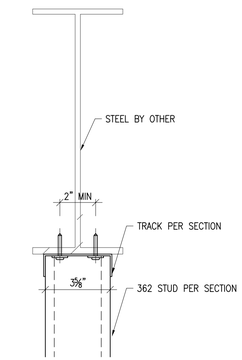

6 Z500 TSN STIFCLIP LB 1"=1'-0"



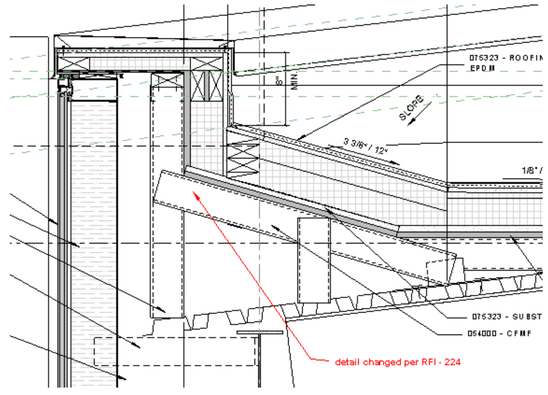

9 Z500 MOMENT RESISTING CILPS W/ WALL EDGES REF. 7/S0302 | 3/4"=1'-0"




10 Z500 MOVEMENT JOINT 1"=1'-0"

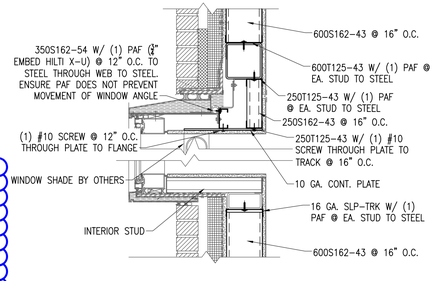



11 Z500 DETAIL 3"=1'-0"




12 Z500 BUILT UP PARAPET REF. 3/S0303 | 3/4"=1'-0"




13 Z500 ENLARGED DETAIL- WA-B1 PROJECTED GLAZING UNIT REF. 7/A0452 | 1"=1'-0"


MCCLURE ENGINEERING CO.

building strong communities.

1901 Pennsylvania Drive
Columbia, MO 65202
P 573-814-1568
F 573-814-1128

MISSOURI CERTIFICATE OF AUTHORITY NO. E-2006023253
EXPIRES: DECEMBER 31, 2016



NOTICE:
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STATE OF MISSOURI
CODY LANDON DAILEY
NUMBER PE-2008002145
PROFESSIONAL ENGINEER
9-21-16

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MISSOURI.

DATE:
CODY L. DAILEY
PE NO. 2008002145

MY LICENSE RENEWAL DATE IS DEC. 31, 2017

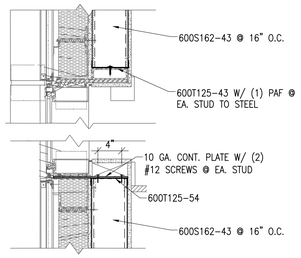
WEBSTER UNIVERSITY ISB
ST. LOUIS, MO
80916190
09/21/2016

REVISIONS

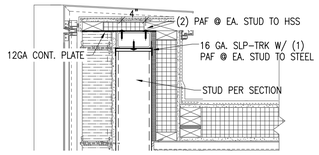
ENGINEER CLD | DRAWN BY ANW
CHECKED BY JTG | FIELD BOOK NO.

DETAILS

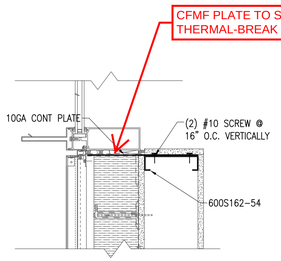
DRAWING NO. Z500 | SHEET NO. 8 OF 9




1 Z501 **WINDOW OPENING WA-B1**
REF. 8/A0452 | 1"=1'-0"

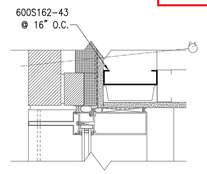



2 Z501 **TOP OF WA-B1 PARAPET**
REF. 8/A0452 | 1"=1'-0"

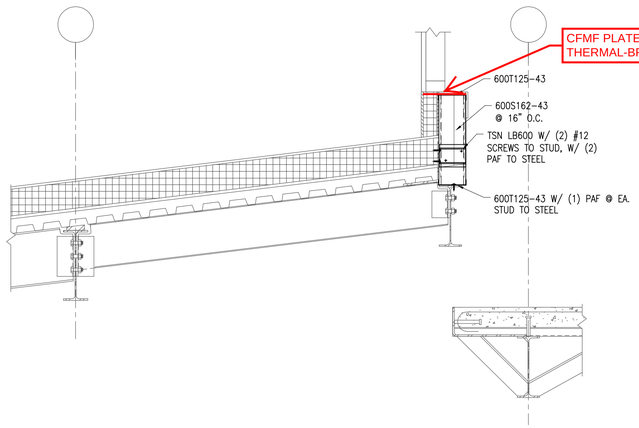



3 Z501 **PLAN @ WINDOW**
REF. 3/A0421 | 1-1/2"=1'-0"

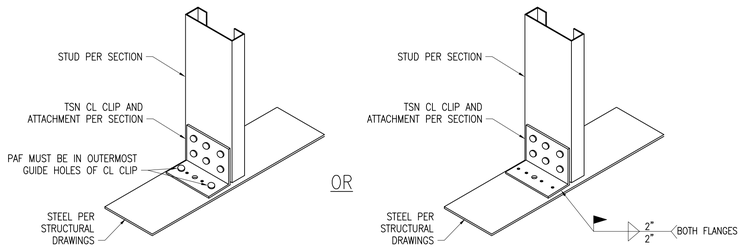
PER THE SPECIFICATIONS SECTION 054000 ALL CFMF EXTERIOR NON-LOAD-BEARING WALL FRAMING SHALL BE AS REQUIRED BY STRUCTURAL PERFORMANCE BUT NOT LESS THAN 16 GAUGE




4 Z501 **PLAN @ WINDOW TRANSITION**
REF. 7/A0422 | 1-1/2"=1'-0"




5 Z501 **FRAMING SECTION**
REF. 6/S302 | 3/4"=1'-0"




6 Z501 **TSN STIFFCLIP CL**
1"=1'-0"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CODY LANDON DAILEY
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9-21-16

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DATE:

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PE NO. 2008002145

MY LICENSE RENEWAL DATE IS DEC. 31, 2017

**WEBSTER UNIVERSITY ISB**

ST. LOUIS, MO
80916190
09/21/2016

REVISIONS

ENGINEER: CLD
DRAWN BY: ANW
CHECKED BY: JTG
FIELD BOOK NO.:

**DETAILS**

DRAWING NO.: Z501
SHEET NO.: 9 OF 9

CANNONDESIGN

# SUBMITTAL IDENTIFICATION SHEET

**To be completed by Contractor/CM**

WEBSTER UNIVERSITY ISB
PROJECT NAME

8274 BIG BEND BLVD
ADDRESS

NUMBER

WEBSTER UNIVERSITY
OWNER

CANNON DESIGN
ARCHITECT / ENGINEER

DEVIN D GATES
SUBMITTED BY

| 054000-001 REV 1 | |
|---|---|
| CONTRACTOR / CM SUBMITTAL NO. | CANNON DESIGN SUBMITTAL NO. |
| | 054000 |
| DRAWING / DETAIL REFERENCE | SPECIFICATION SECTION / PARAGRAPH |
| | |
| MANUFACTURER / SUPPLIER | ITEM / PRODUCT ID |
| | |
| REQUIRED DATE | PRIORITY |

◯ CRITICAL

ITEM BEING SUBMITTED (check only one)

- ◉ Shop Drawings
- ◯ Samples ( _____ copies)
- ◯ LEED Submittal
- ◯ Certification / Qualifications
- ◯ Record Documents
- ◯ Product Data
- ◯ Coordination Drawing
- ◯ Calculations
- ◯ Schedules
- ◯ O&M Manuals
- ◯ Other _____

ITEM BEING SUBMITTED FOR (check only one)

◉ Action ◯ Information Only ◯ Record

REMARKS OR DEVIATIONS

CONTRACTOR / CM CERTIFICATION
(SUBMITTALS NOT CERTIFIED WILL BE RETURNED WITHOUT REVIEW)

PARIC

PARIC CORPORATION
SUBMITTAL STAMP

THIS SHOP DRAWING HAS BEEN REVIEWED BY PARIC CORPORATION

Subcontractor remains responsible for dimensions, quantities, coordination with other trades and compliance with contract documents.

By:
Devin D. Gates

| DEVIN D GATES | 11/17/16 |
|---|---|
| REVIEWED BY | DATE |

**To be completed by Reviewer**

05 4000-001 REV002
CANNON DESIGN SUBMITTAL NUMBER

11/17/16
RECEIVED DATE

- ◯ **A. No Exceptions Taken**
  No further review of submittal is required.
- ◯ **B. Make Corrections Noted**
  Incorporate corrections in work; resubmission is not required.
- ◯ **C. Revise and Resubmit**
  Revise as noted, and resubmit for review.
- ◯ **D. Rejected**
  Submittal is not in compliance with Contract Documents; provide new submittal.
- ◯ **E. For Record / Information Only**
  Submittal was reviewed for Record / Information purposes only.
- ◯ **F. Not Required for Review**
  Submittal is not required by Contract Documents and has not been reviewed.

Review is for conformance with the design concept of this project and for general compliance with contract documents. Contractor is responsible for quantities, dimensions and compliance with contract documents and for information that pertains to fabrication processes, construction techniques and coordination of this work with all trades which will be affected thereby. This review is null and void if submittal deviates from contract documents and does not indicate or note deviations.

A/E COMMENTS ◯ See attached sheet(s) for additional comments

Roof crickets are framed with CFMF at Column line A.2 & A.1. See detail 2/A0453.

Coordinate and adjust framing to accommodate continuous shade pockets at glazing adjacent to cantilever soffit on west side.

| | 11/28/16 |
|---|---|
| REVIEWED BY | DATE |