

**UNC Charlotte Union Parking Deck Expansion**  
**SKA Project No. 160367.1**  
**SCO ID No. 16-15657-02A**  
**March 16, 2017**

**Subject: Addendum #02**

Bidder is hereby notified that this Addendum#02 shall hereby become a part of the Contract Documents, and shall be attached to the Project Manual for the Project.

The following items are intended to revise and clarify the Drawings and the Project Manual.

The bidder shall see that his Sub-Bidders are in full receipt of the information contained herein.

Note that the Pre-Bid Meeting Minutes constitute Addendum #01.

---

Refer to Sheet S0.1

1. Refer to Structural Design Data: Foundation Notes. Delete reference to subsurface report indicated and refer to ECS Reports of Subsurface Exploration for UNC Charlotte Union Deck Expansion (ECS Projects 08-11812 and 08-11812-C dated Sept 28, 2016 and Jan 13, 2017 respectively). These reports are provided in the Project Manual.
2. Delete reference to Composite Beam Notes.

Refer to Sheet S1.1

3. Refer to Grade Beam Schedule. GB11 is required for both the Base Bid and Alternate #6
4. Refer to section 5/S1.1. Grade beam width and depth are indicated in schedule as 'H' and 'B' respectively.
5. Refer to section 4/S1.1. Continue caisson/drilled pier spiral or tie reinforcement through the grade beam cap to the underside of the horizontal grade beam reinforcement. Delete "Overlapping 'U' ties indicated.

Refer to Sheet S2.1

6. Refer to Foundation Plan. Grade Beam GB7 extends continuously on line F from x1 to x4.
7. Grade beam reinforcement and dimensional properties shall extend to the far side of intersected grade beam or grade beam cap. Terminate all top bars with 90 degree standard hook around intersected grade beam top horizontal reinforcement.
8. Refer to Foundation Plan. Caissons depicted on plan are NOT TO SCALE. Refer to Drilled Pier Schedule for size.
9. Refer to section 3/S2.1. CMU wall from grade beam through level 2 shall be 12" thick nominal. Delete 4" NOM dimension reference. Reinforcement size and spacing is unchanged. Where wall is below exterior grade, grout all cells and cavity solid. Provide dowels to match vertical reinforcement with 90 degree standard hook; lap 48 bar diameters with vertical reinforcement.



10. 'S' mark on Foundation Plan indicates a Grade Beam or Continuous Footing Step. Refer to 5/S8.1. Provide stepped reinforcement to match all continuous reinforcement.
11. Provide turned down slab edge of interior slab onto grade beam at all transitions from interior slab to exterior pavement (typical). Provide #4 x 6'-0" with 90 degree hook at 8" center-to-center and (2) additional #4 bars continuous in turned down portion.

Refer to Sheet S2.1.1

12. Refer to Foundation Plan for Alternate #6. All walls for the addition shall be 12" thick cast-in-place concrete reinforced with #4 at 8" center-to-center each way each face. Vertical reinforcement at corners and mullions of openings shall be as indicated for column types indicated (5 and 6).
13. Architectural Drawing AD1.2 is to be added to the Contract (see attached).
14. Architectural Drawings A1.1, A2.1, A2.2, A2.3, A3.5 and A5.2 are revised (see attached).
15. Structural Drawings S2.2, S2.3, S2.4, S2.5, S3.2 and S7.2 are revised (see attached).
16. Refer to Pre-Bid Meeting Minutes (Addendum # 01), Note D.1.iv. UNC Charlotte to provide locations of tops for water and electrical services. Contractor shall provide services to trailers.
17. Refer to Pre-Bid Meeting Minutes (Addendum # 01), Note D.1.vi. Time of day restrictions will not be placed on deliveries to the site.
18. Refer to Pre-Bid Meeting Minutes (Addendum #01), Note D.1.vii. Regarding noise restrictions; Noise generating equipment and vibrations shall start after 8:00 am and end at dusk. Coordinate hours of work with Owner when school is not in session. Work hour restrictions may be waived or changed during these times.
19. Refer to Sheet E2.1 and Partial Plan 2/E2.1. Change reference to outlets from 'L620A' to 'Provide (2) L620R outlets.'
20. Refer to General Demolition Note B on Sheet E1.2. A mandatory pre-bid walkthrough is not required.

Submitted by:

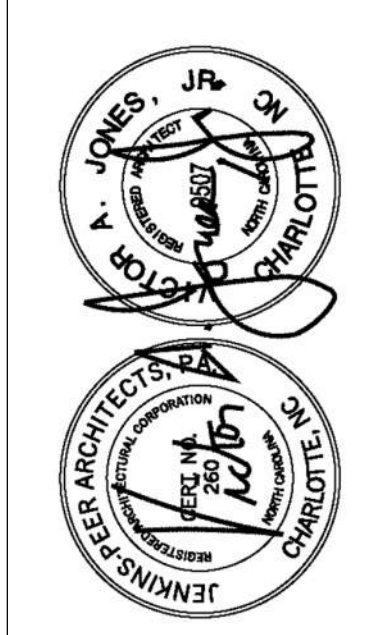
**SKA Consulting Engineers, Inc.**

Timothy E. Cook, PE

Senior Project Manager, Structural Engineering Group - Charlotte

Attachments: New Architectural Drawing AD1.2  
Revised Architectural Drawings A1.1, A2.1, A2.2, A2.3, A3.5 and A5.2  
Revised Structural Drawings S2.2, S2.3, S2.4, S2.5, S3.2 and S7.2

**--END OF ADDENDUM #02--**



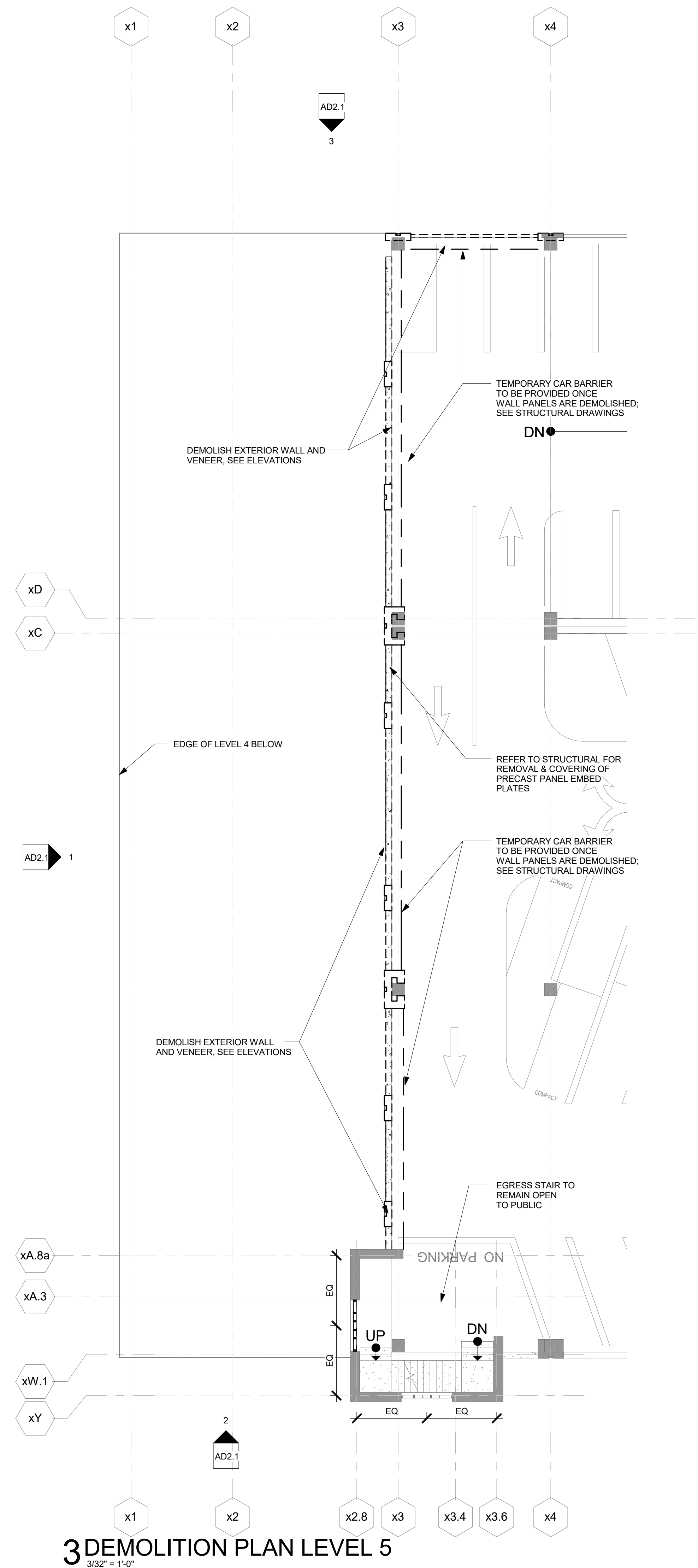
**Jenkins + Peer Architects**  
1129 South Tryon Street, Suite 1300  
Charlotte, North Carolina 28284  
(704) 372-6665  
JPA Project No. 16SKA100

Mark	Date	Revision
1	3/16/17	ADDENDUM 2

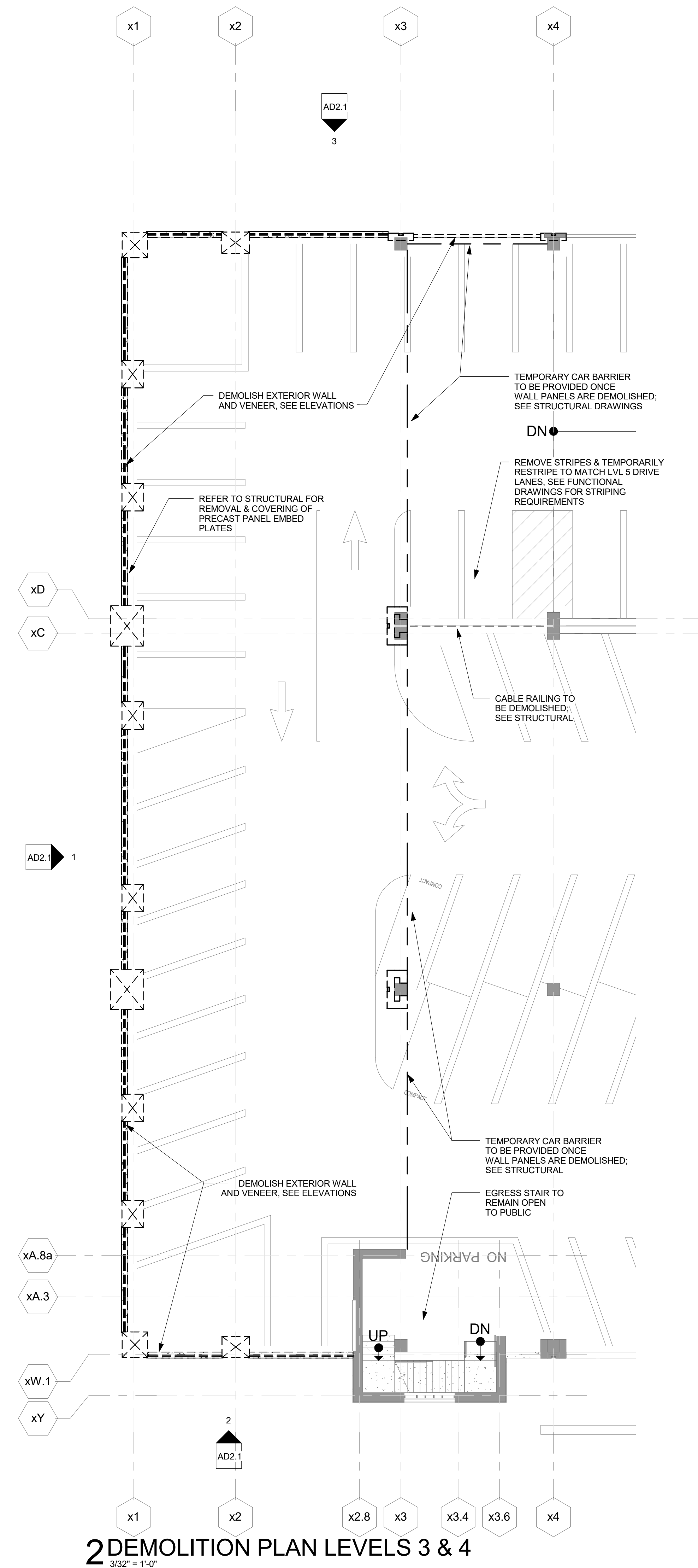
**UNION DECK EXPANSION**  
SCO ID #16-15667-02A



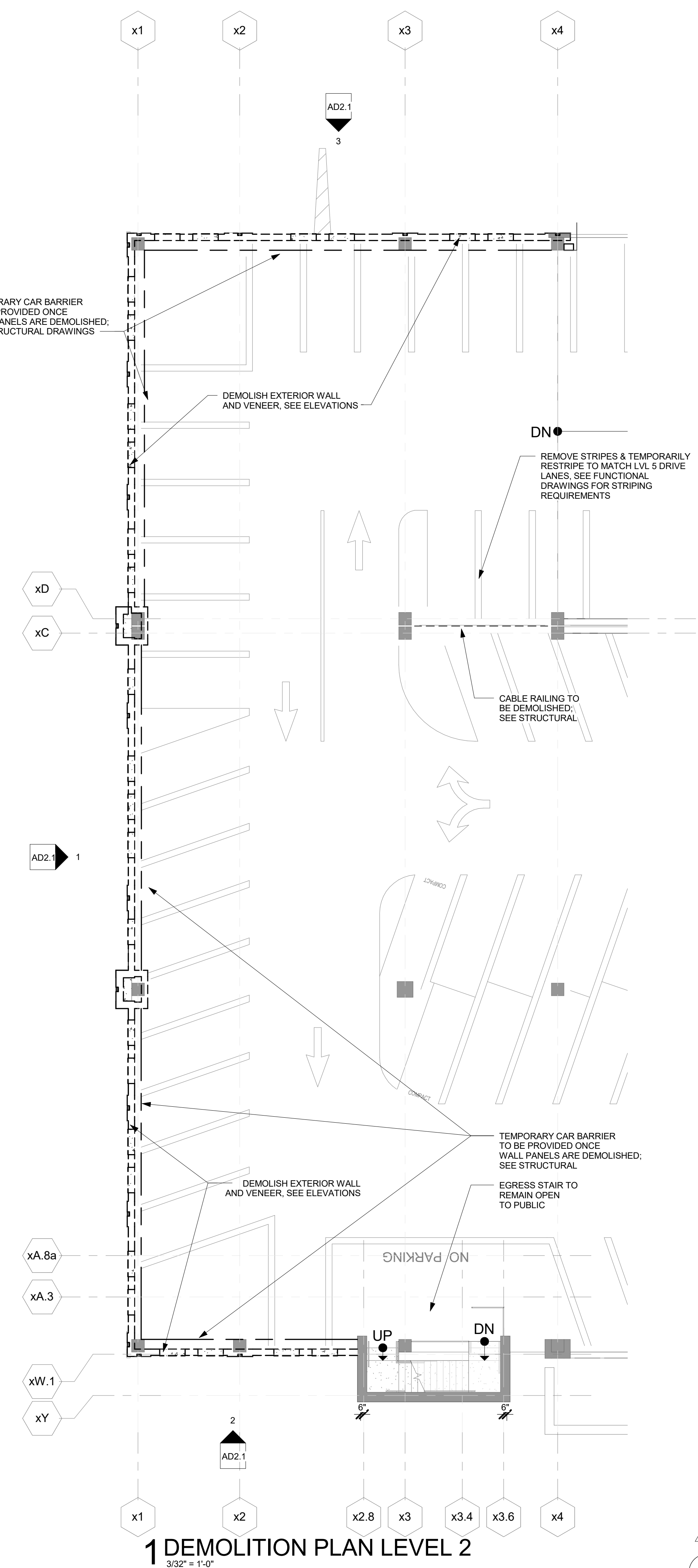
Designed By: VAJ  
Drawn By: JSP  
Checked By: VAJ  
Date: 03/13/17



**3 DEMOLITION PLAN LEVEL 5**  
3/32" = 1'-0"



**2 DEMOLITION PLAN LEVELS 3 & 4**  
3/32" = 1'-0"



**1 DEMOLITION PLAN LEVEL 2**  
3/32" = 1'-0"

MARK	DOOR			DOOR MATERIAL	DOOR TYPE	FRAME		FIRE RATING	HARDWARE SET	REMARKS
	SIZE	WD	HGT			FRAME MATERIAL	FRAME TYPE			
103	3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	HM	NR	1	
104	3' - 0"	7' - 0"	1 3/4"	HM	HM	HM	HM	NR	1	
105	3' - 6"	7' - 0"	1 3/4"	HM	HM	HM	HM	NR	1	

- DOOR SCHEDULE GENERAL NOTES**
- FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION.
  - PRIME AND PAINT ALL HM FRAMES & DOORS; COLOR TO MATCH GREEN ON DOORS AND FRAMES.
  - ALL FRAMES 2" HM FRAME WITH 4" HEAD-FULLY GROUTED
  - ALL DOORS SOLID FLUSH HM

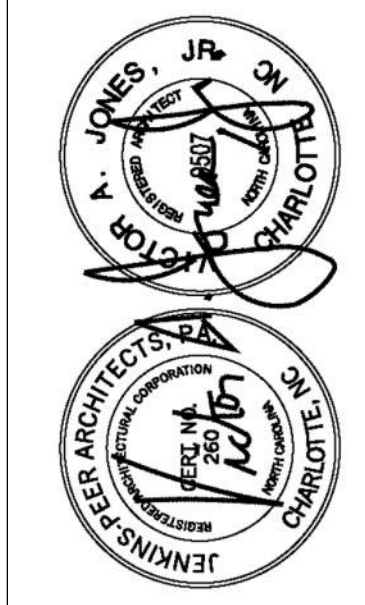
- FLOOR PLAN GENERAL NOTES**
- EXISTING WALLS TO REMAIN ARE INDICATED IN HALFTONE. ALL OTHER WALLS SHOWN ARE NEW.
  - REFER TO LIFE SAFETY PLANS FOR FIRE EXTINGUISHERS AND FIRE EXTINGUISHER CABINET LOCATIONS.
  - DIMENSIONS ARE TAKEN TO FINISH FACE OF WALLS AND PARTITIONS UNLESS NOTED OTHERWISE.
  - ALL MASONRY DIMENSIONS ARE NOMINAL U.N.O.
  - ALTERNATE: AT UNDERSIDE OF NEW STRUCTURE ABOVE, INCLUDING DECK AND BEAMS, COAT WITH PERMEABLE WHITE FINISH

- FLOOR PLAN LEGEND**
- WALL / PARTITION - COORDINATE WITH PARTITION SCHEDULE
  - NEW DOOR - SHOWN WITH DOOR TAG
  - FEC FIRE EXTINGUISHER CABINET

**SKA CONSULTING ENGINEERS**  
GREENSBORO, NC  
Corporate Office  
ASHEVILLE, NC  
BIRMINGHAM, AL  
CHARLOTTE, NC  
WILMINGTON, NC

Quality. Integrity. Innovation.  
SKA Consulting Engineers, Inc.  
4615 Charlotte Park Dr., Suite 150  
Charlotte, NC 28217-1191  
704.434.8663 Fax 704.434.9665  
www.ska.com

Project Number: 1/16/2017 3:31:29 PM  
Revised:



**Jenkins + Peers Architects**  
119 South Tryon Street, Suite 1300  
Charlotte, North Carolina 28284  
(704) 372-6665  
JPA Project No. 16SKA100

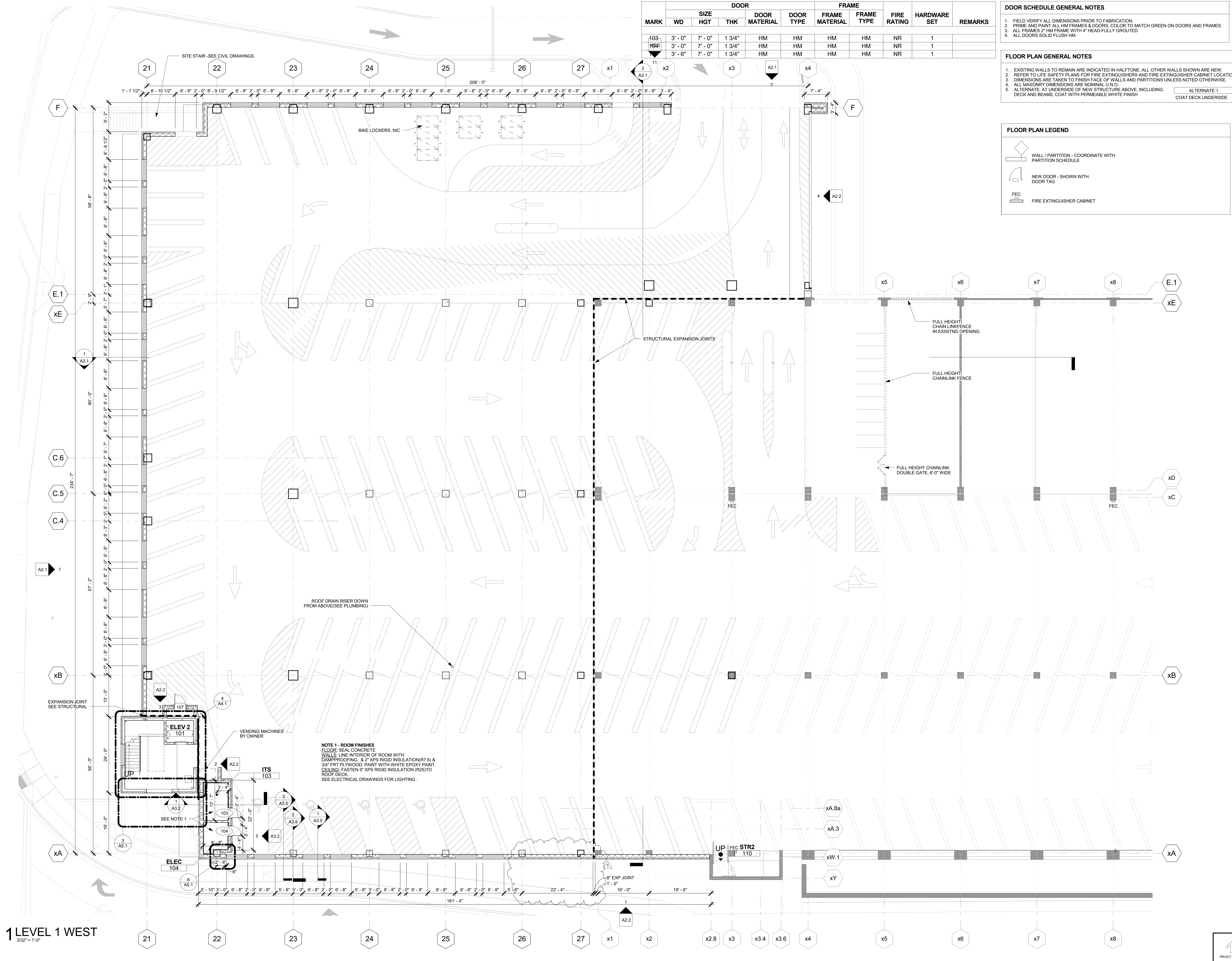
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

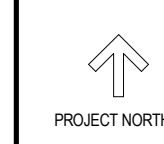
**UNC CHARLOTTE**  
FLOOR PLAN LEVEL 1 & DOOR SCHEDULE

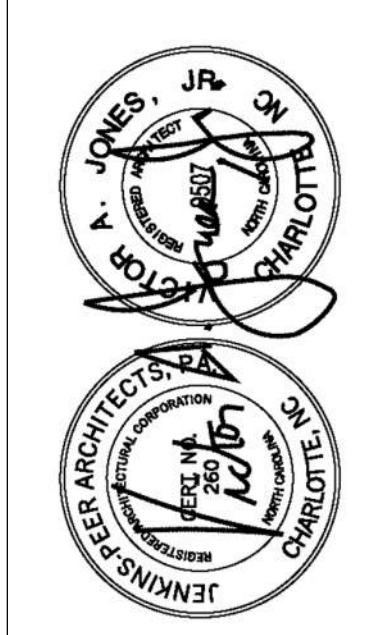
Designed By: VAJ  
Drawn By: JMK  
Checked By: PSP  
Date: 03/13/17

**A1.1**



**1 LEVEL 1 WEST**  
3/32" = 1'-0"

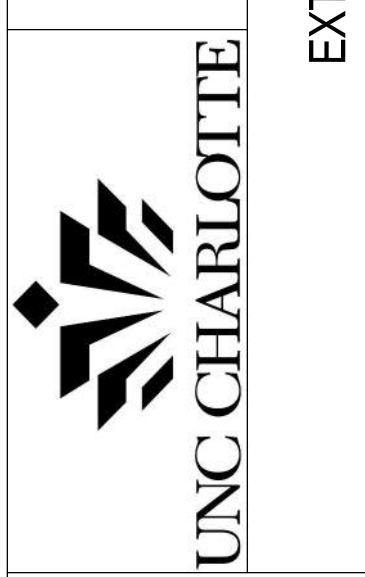




**Jenkins • Peers Architects**  
112 South Tryon Street, Suite 1300  
Charlotte, North Carolina 28284  
(704) 372-6665  
JPA Project No. 16SKA100

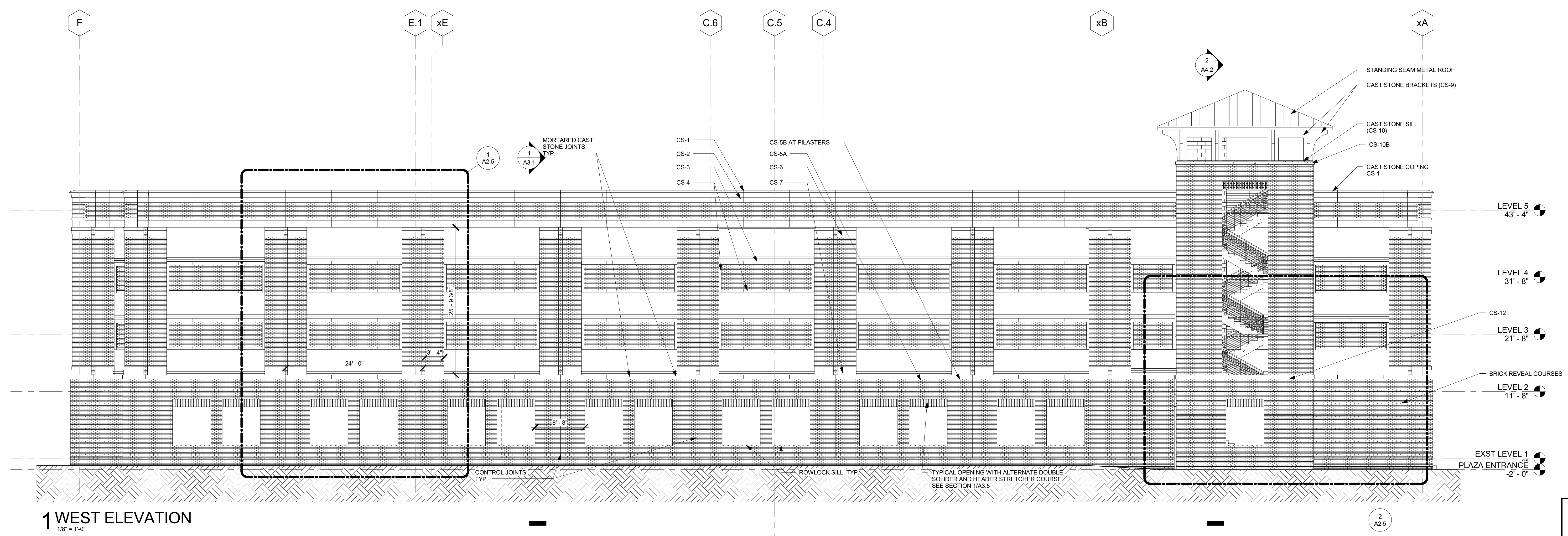
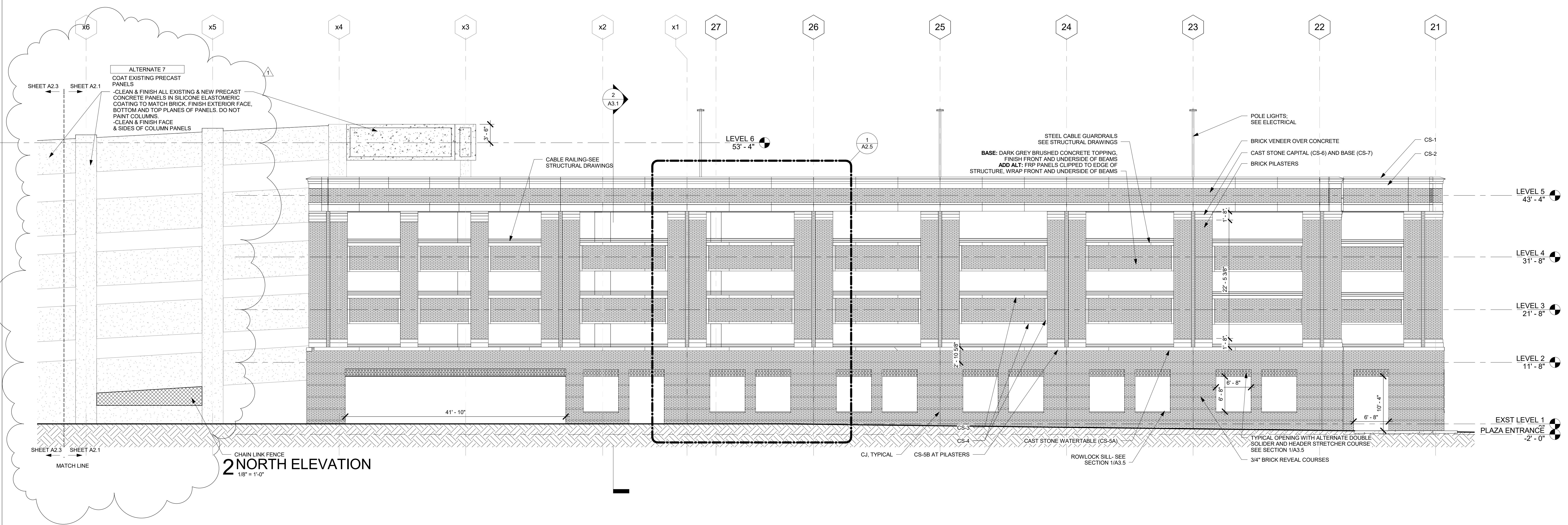
Mark	Date	Description
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

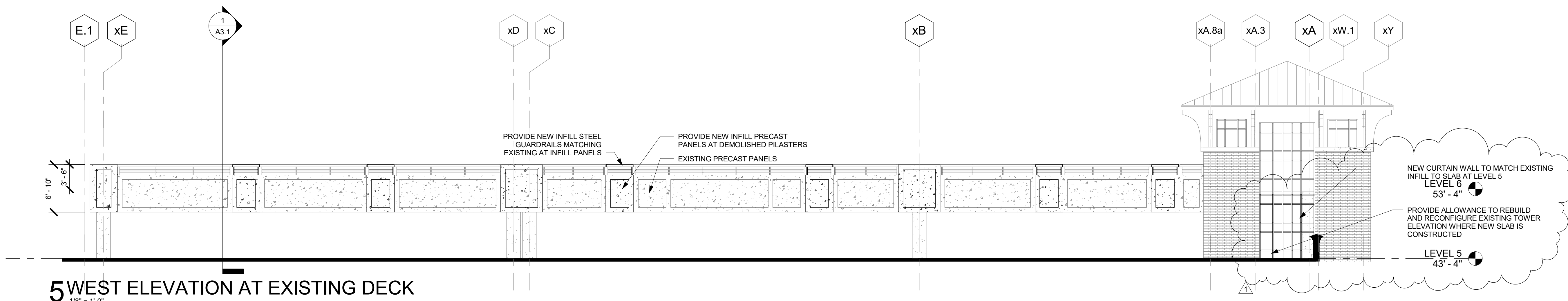
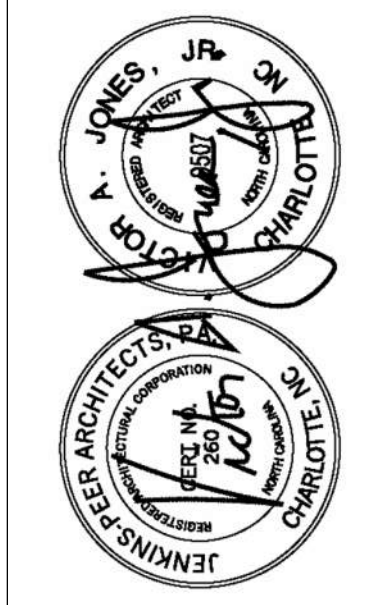


Designed By: VAJ  
Drawn By: JMK  
Checked By: PSP  
Date: 03/13/17

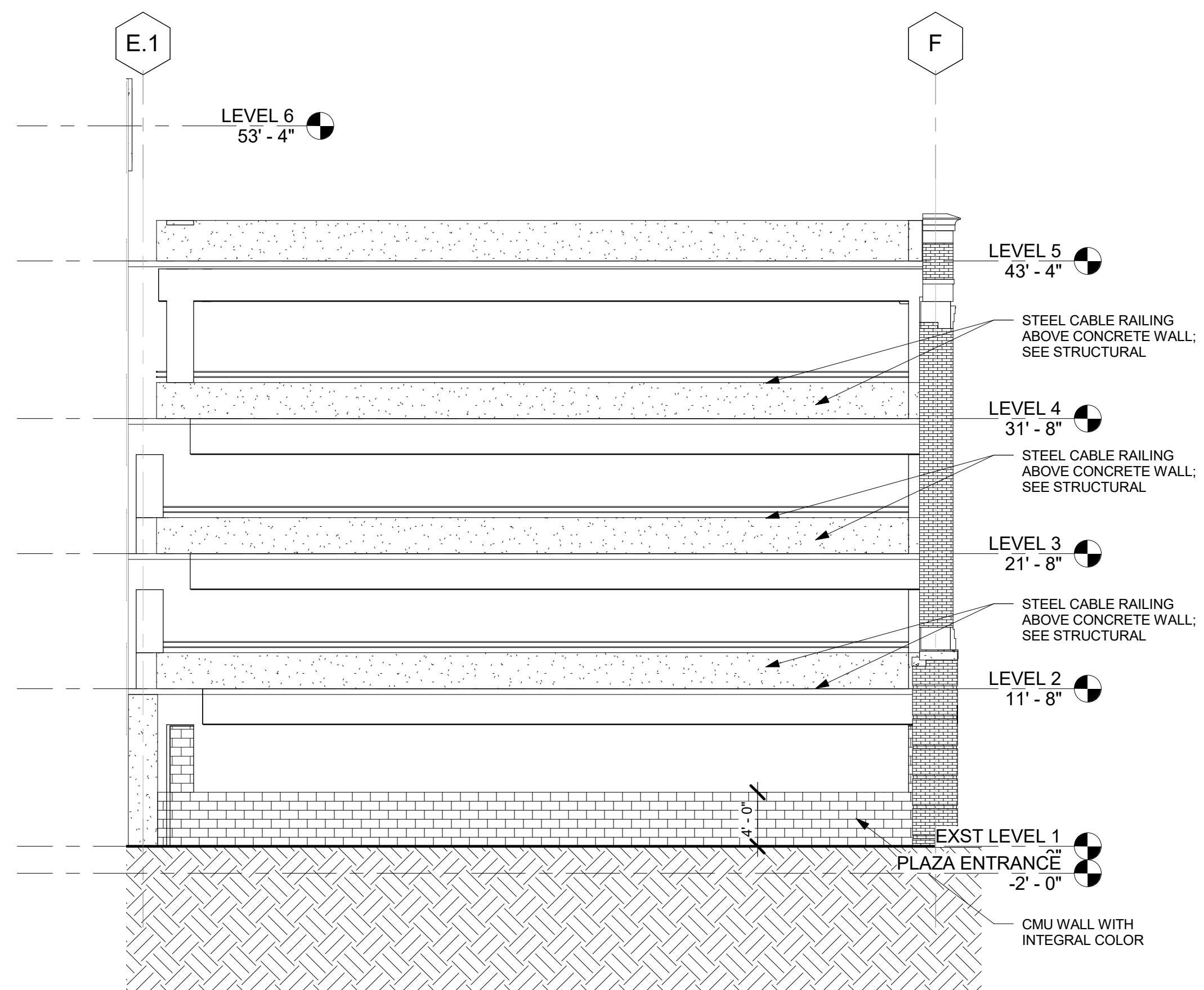
PROJECT NORTH  
**A2.1**



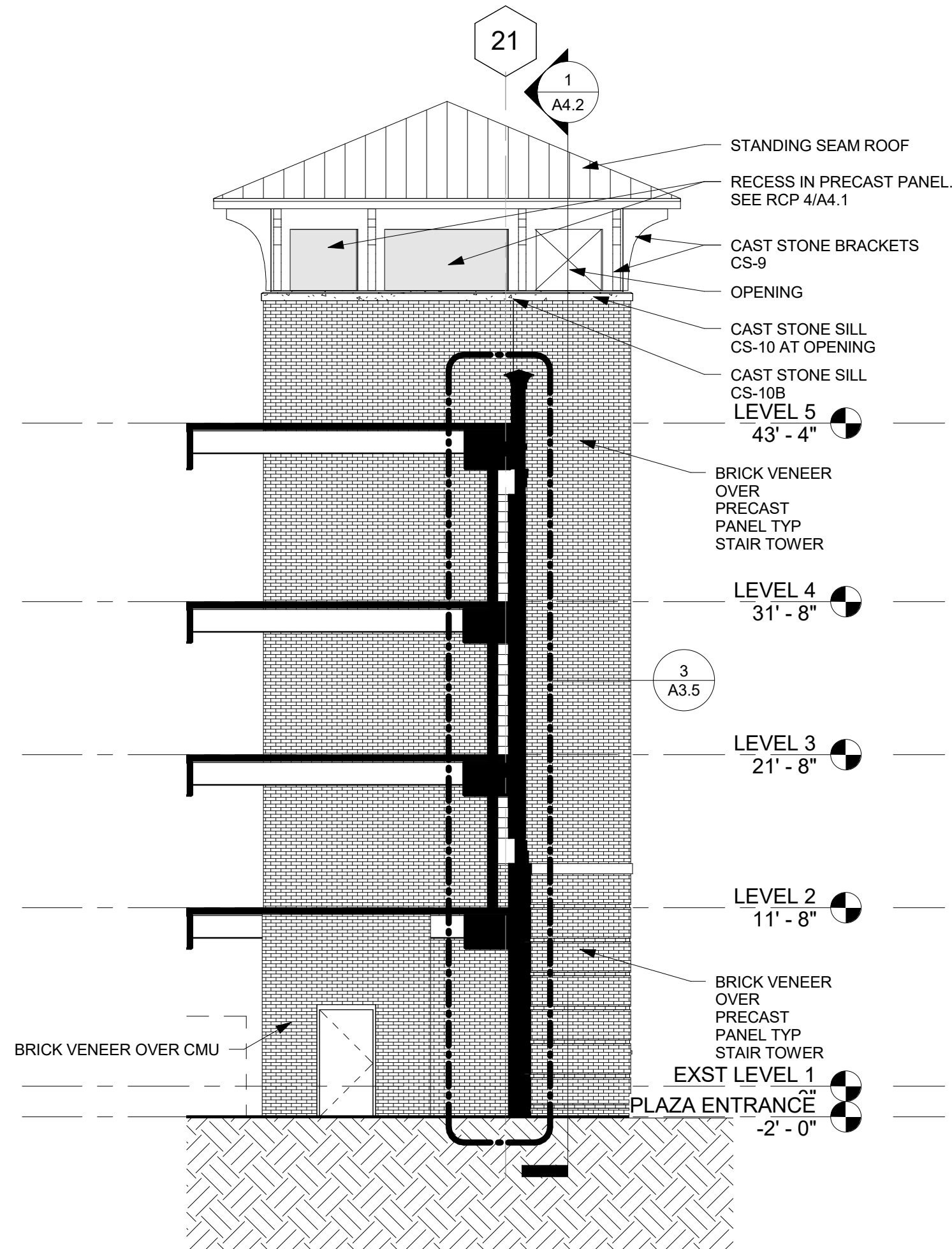
EXTERIOR ELEVATIONS



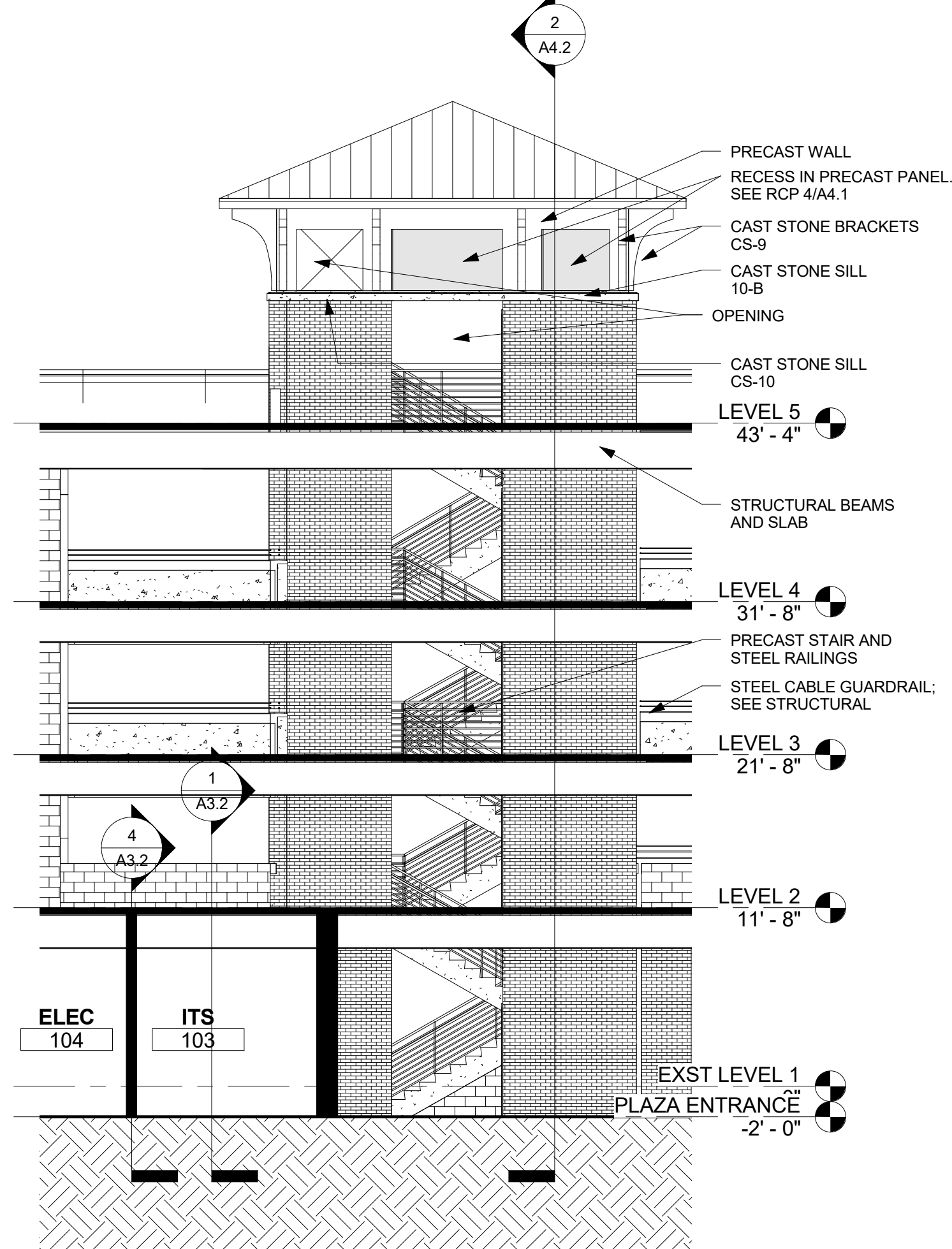
**5 WEST ELEVATION AT EXISTING DECK**  
1/8" = 1'-0"



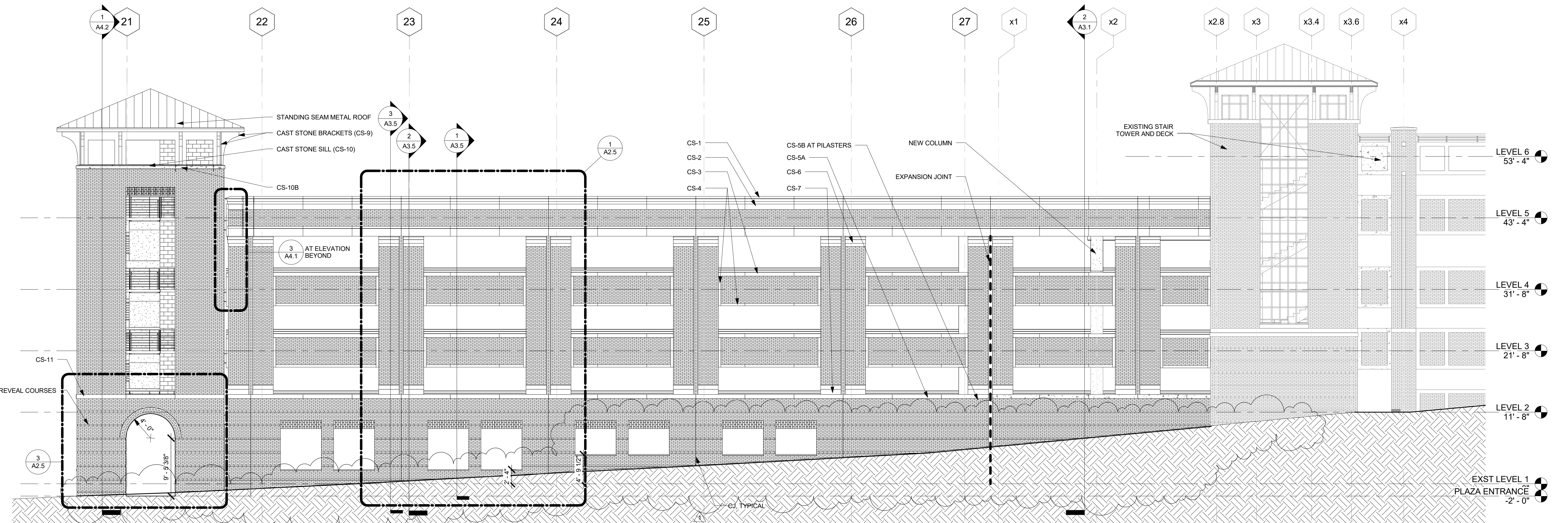
**4 EAST ELEVATION**  
1/8" = 1'-0"



**3 STAIR TOWER - NORTH ELEVATION**  
1/8" = 1'-0"



**2 STAIR TOWER - EAST ELEVATION**  
1/8" = 1'-0"



**1 SOUTH ELEVATION**  
1/8" = 1'-0"

Revision	Date	Mark
ADDENDUM 2	3/16/17	1

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A  
EXTERIOR ELEVATIONS



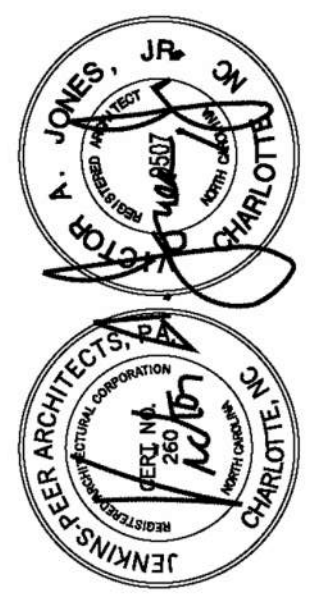
Designed By: VAJ  
Drawn By: JMK  
Checked By: PSP  
Date: 03/13/17

GLAZING SCHEDULE	
GL-1	1/4" CLEAR GLASS
GL-1T	1/4" CLEAR TEMPERED

Quality. Integrity. Innovation.  
SKA Consulting Engineers, Inc.  
4651 Charlotte Park Dr., Suite 150  
Charlotte, NC 28217-1191  
704.434.9651 Fax 704.434.9665  
www.ska.com

These drawings are instruments of service and shall remain the property of SKA Consulting Engineers, Inc. (SKA) whether they are prepared by or on behalf of or which the owner or any other person or agency or its agent has caused to be prepared. No part of these drawings may be reproduced or transmitted in any form or by any means electronic, mechanical, photocopying, recording, or by any information storage and retrieval system without the prior written consent of SKA. © Copyright 2016 by SKA Consulting Engineers, Inc. All rights reserved and shall be protected under the United States Copyright Act of 1976. No part of this document may be reproduced or distributed in any form or by any means without the written permission of SKA Consulting Engineers, Inc.

Sheet Number: 3/16/2017 3:31:40 PM  
Printed:



**Jenkins + Peer Architects**  
1119 South Tryon Street, Suite 1300  
Charlotte, North Carolina 28284  
(704) 372-6665  
JPA Project No. 16SKA100

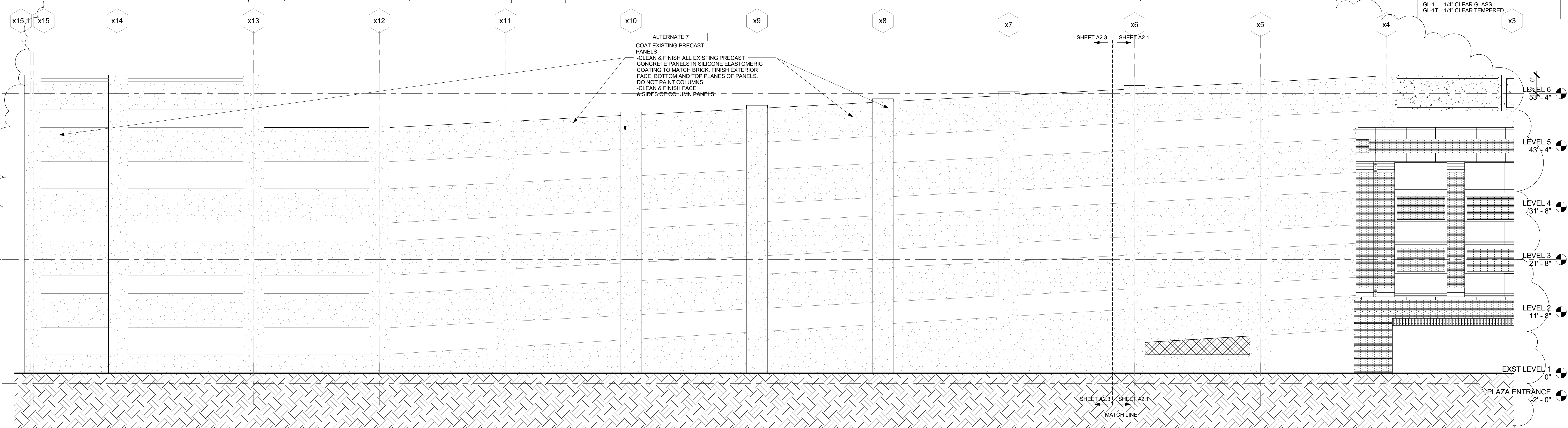
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

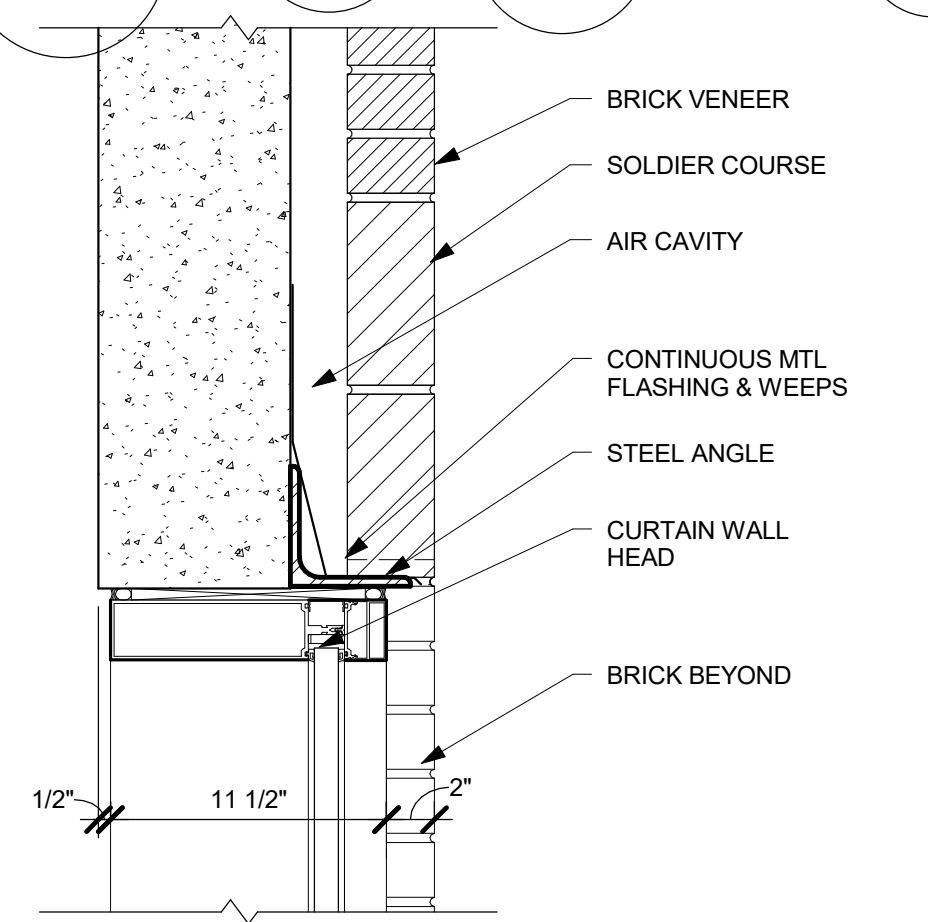


Designed By: VAJ  
Drawn By: JMK  
Checked By: PSP  
Date: 03/13/17

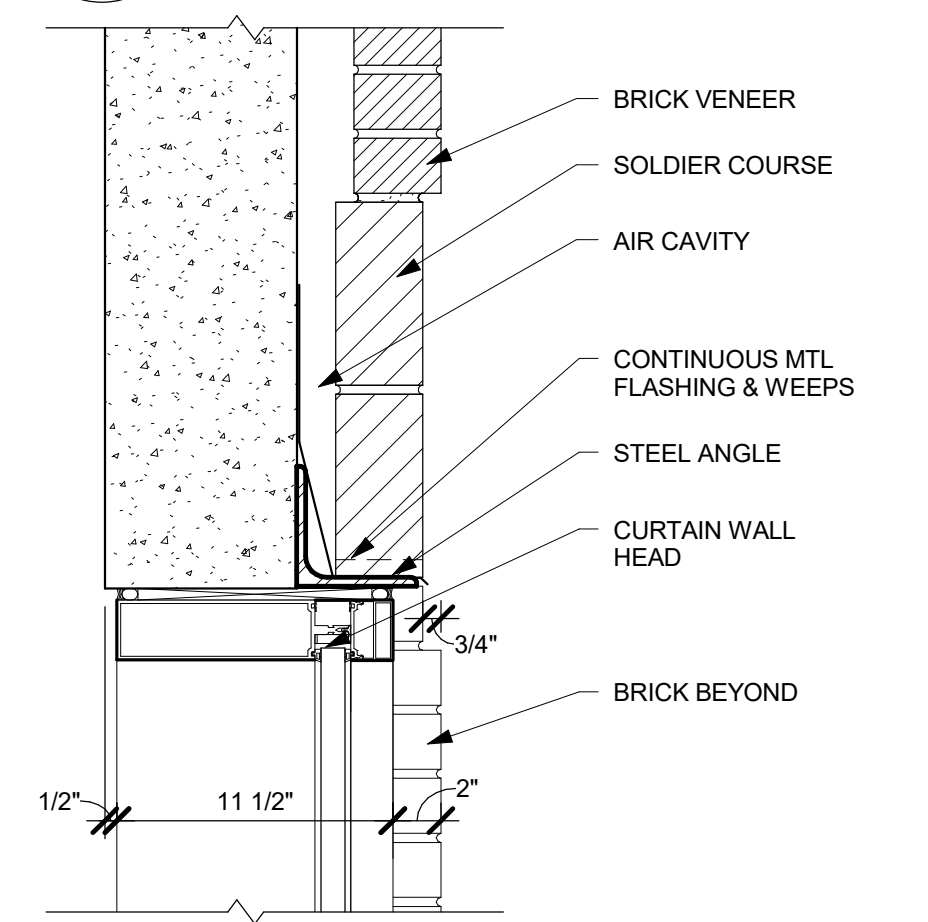
**A2.3**



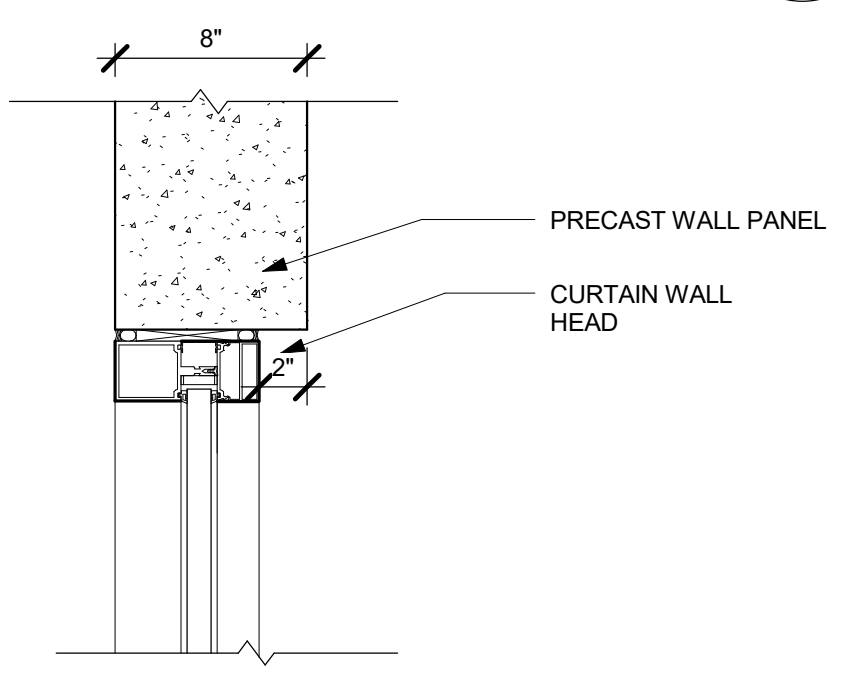
**11 EXISTING NORTH ELEVATION**  
1/8" = 1'-0"



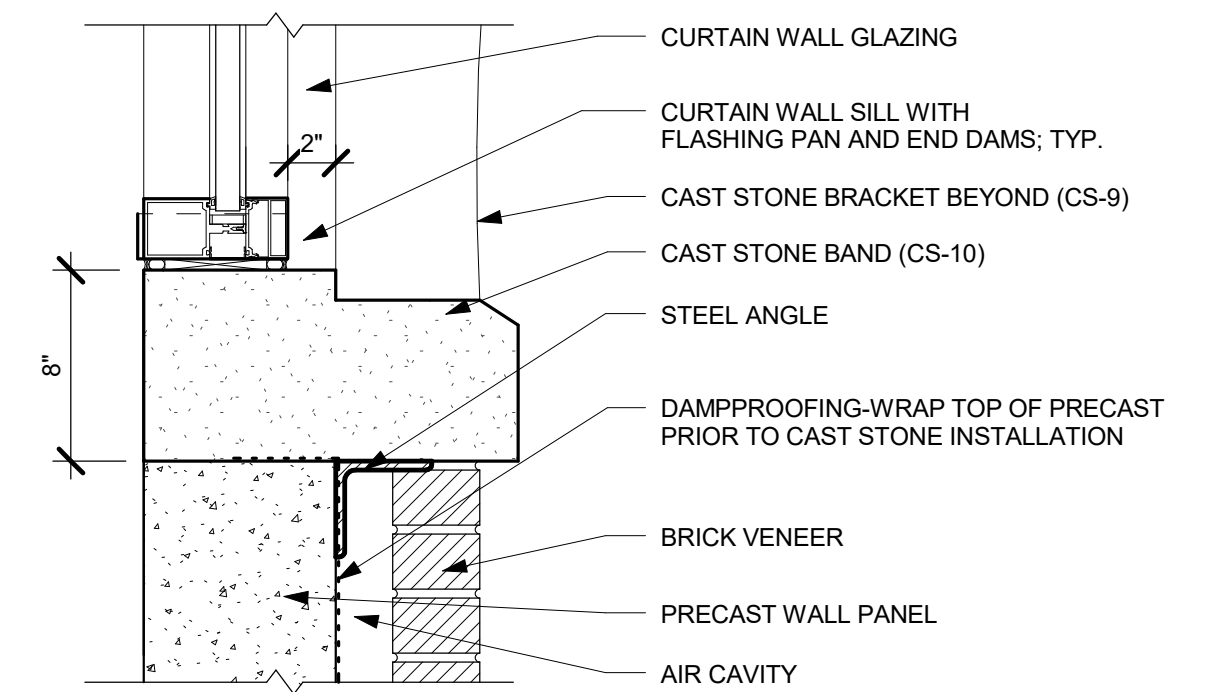
**8 CURTAIN WALL HEAD - LEVEL 5**  
1 1/2" = 1'-0"



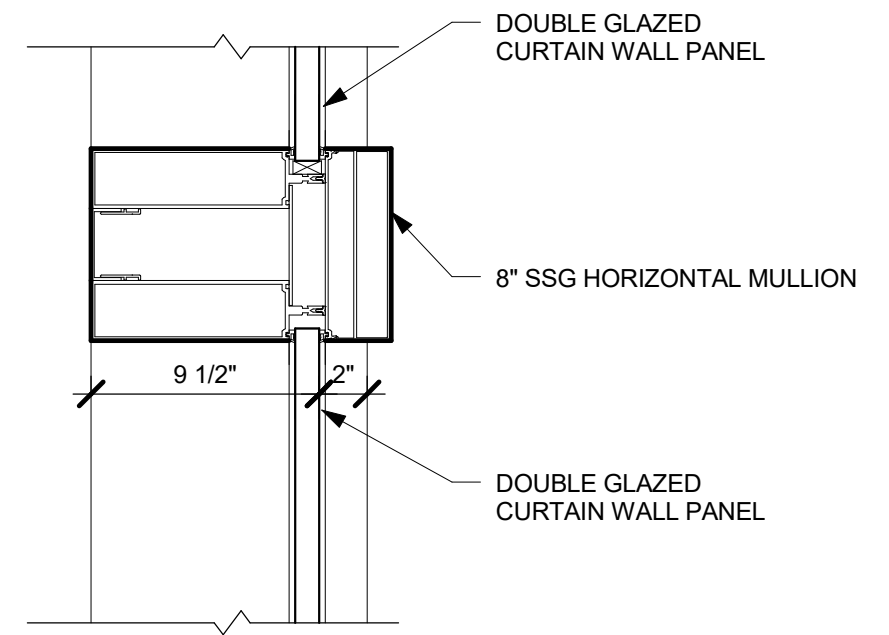
**7 CURTAIN WALL HEAD - LEVEL 1**  
1 1/2" = 1'-0"



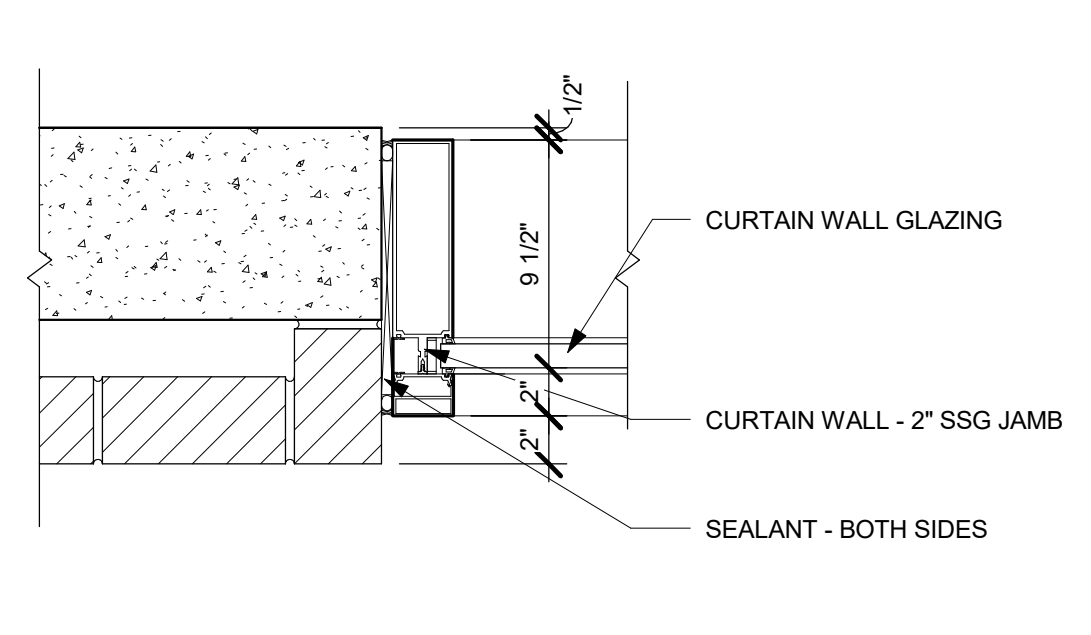
**10 CURTAIN WALL HEAD/JAMB - TOWER**  
1 1/2" = 1'-0"



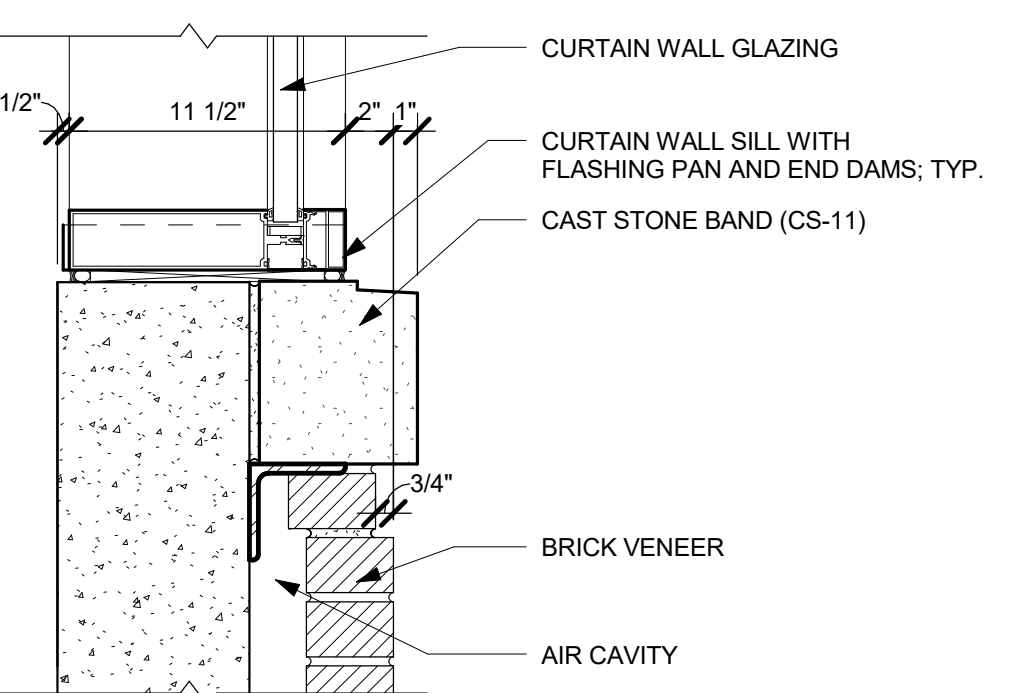
**9 CURTAIN WALL SILL - TOWER**  
1 1/2" = 1'-0"



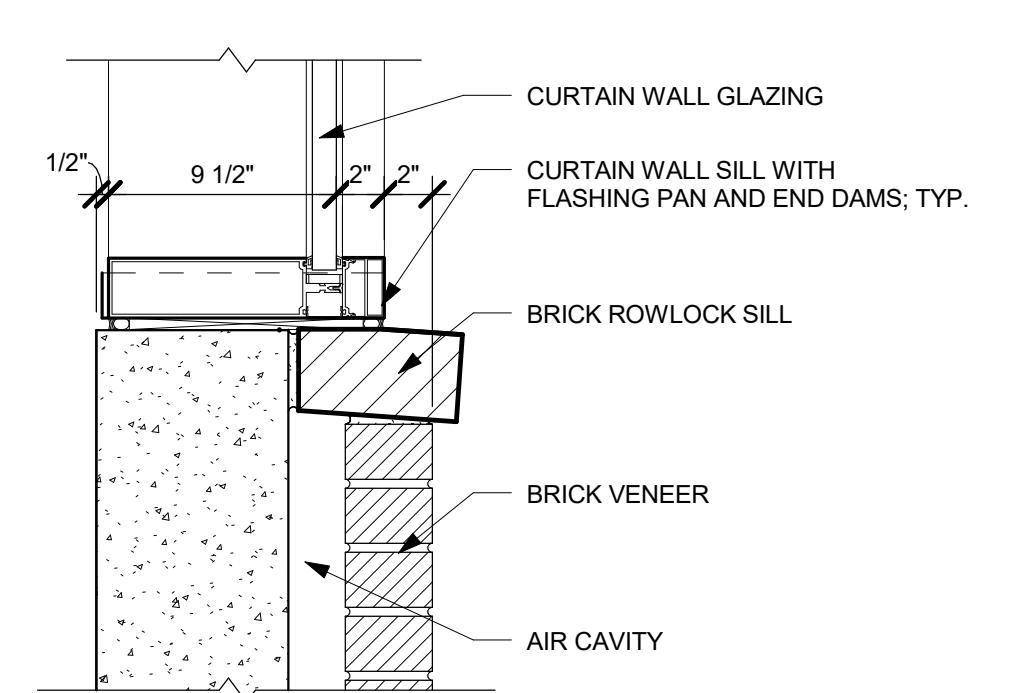
**6 CURTAIN WALL MULLION DETAIL**  
1 1/2" = 1'-0"



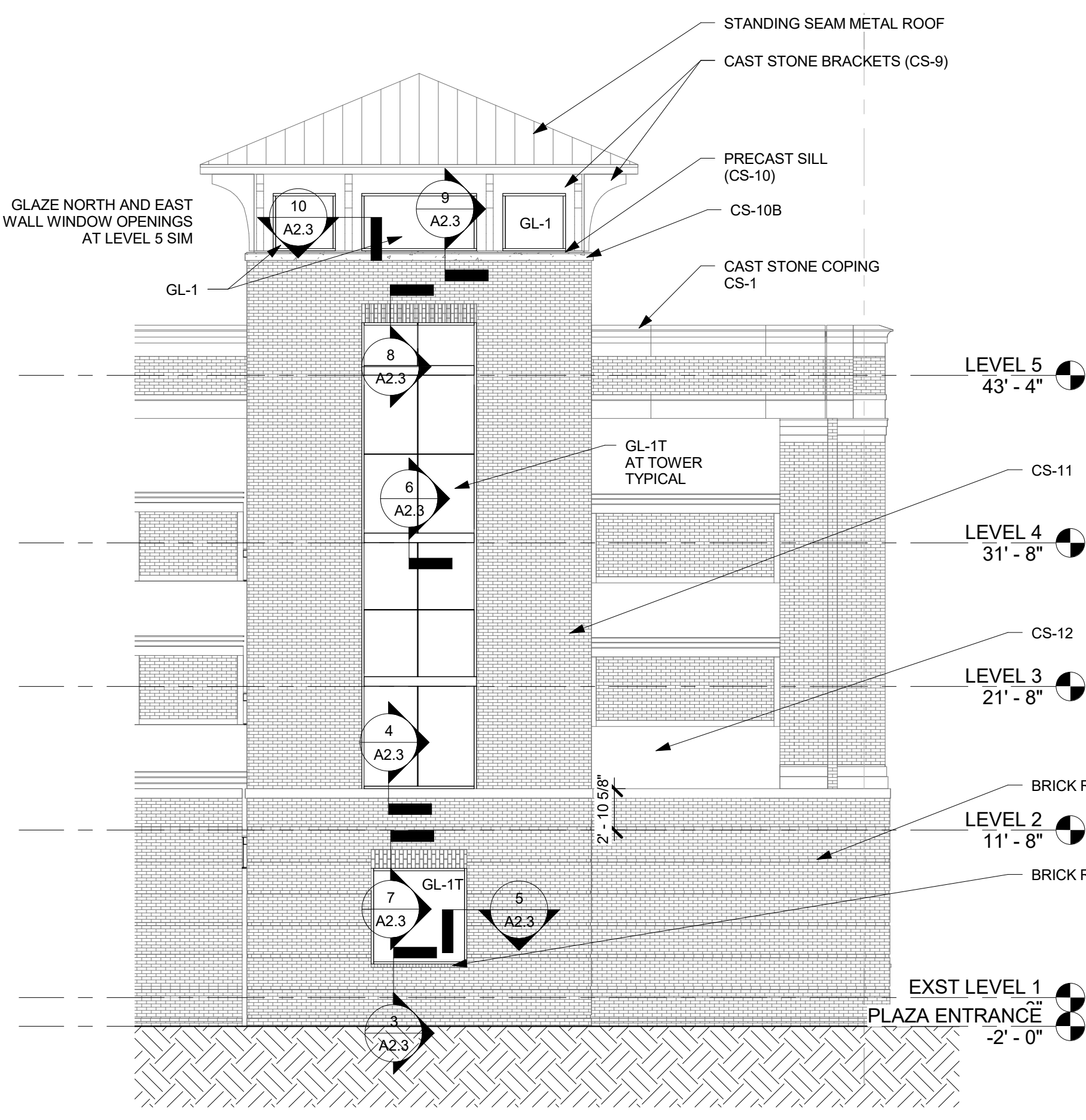
**5 CURTAIN WALL JAMB**  
1 1/2" = 1'-0"



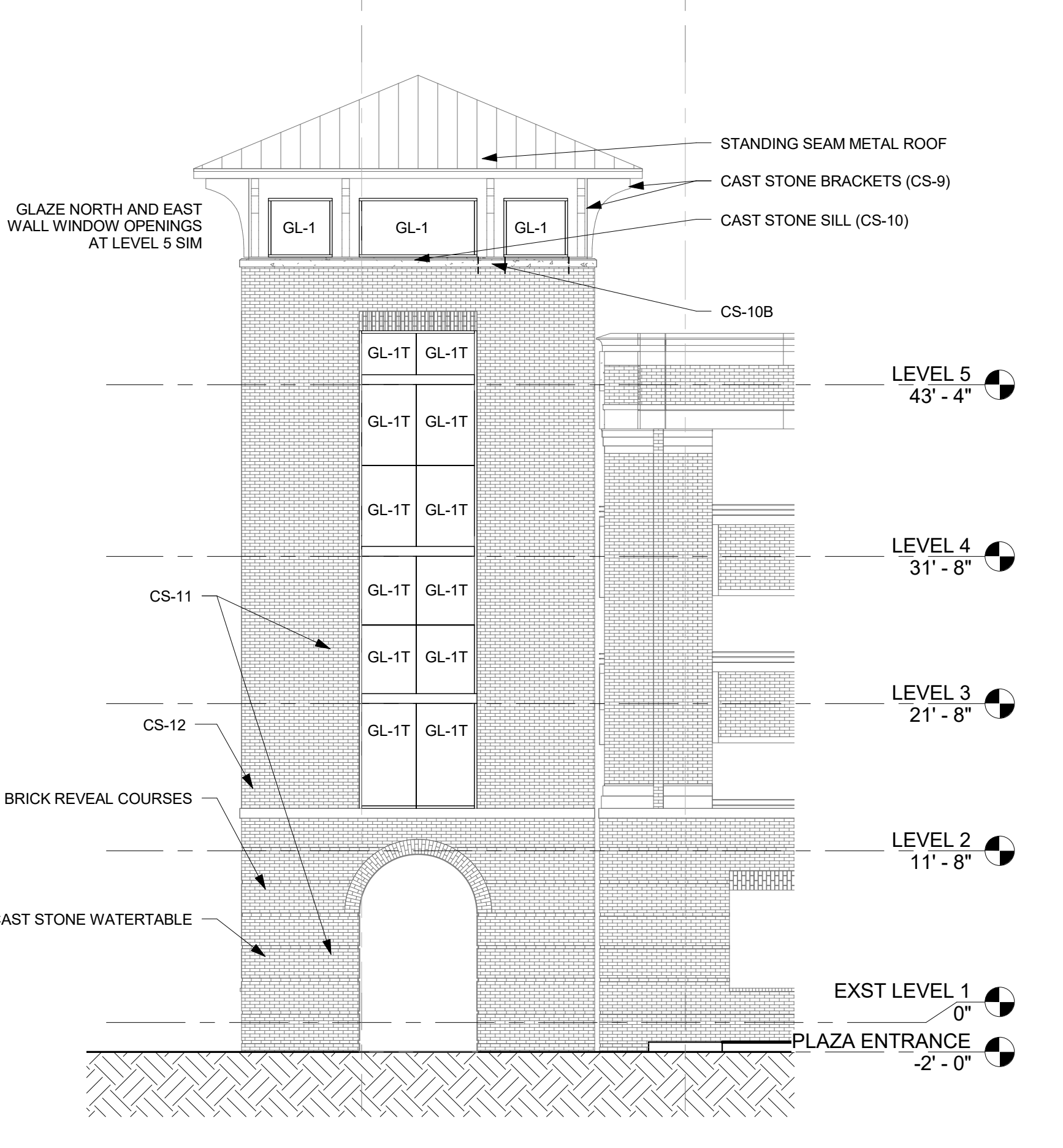
**4 CURTAIN WALL SILL - LEVEL 2**  
1 1/2" = 1'-0"



**3 CURTAIN WALL SILL - LEVEL 1**  
1 1/2" = 1'-0"

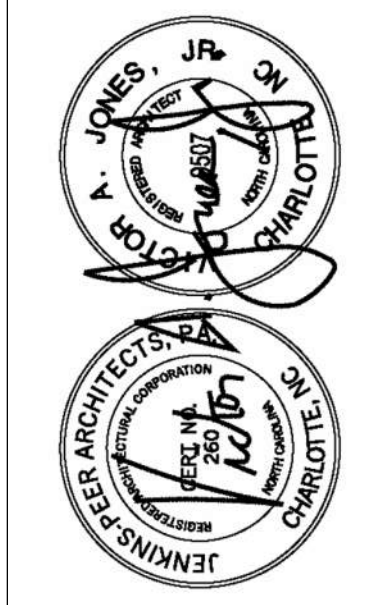


**2 WEST ELEVATION**  
1/8" = 1'-0" ALTERNATE 4  
STAIR TOWER GLAZING

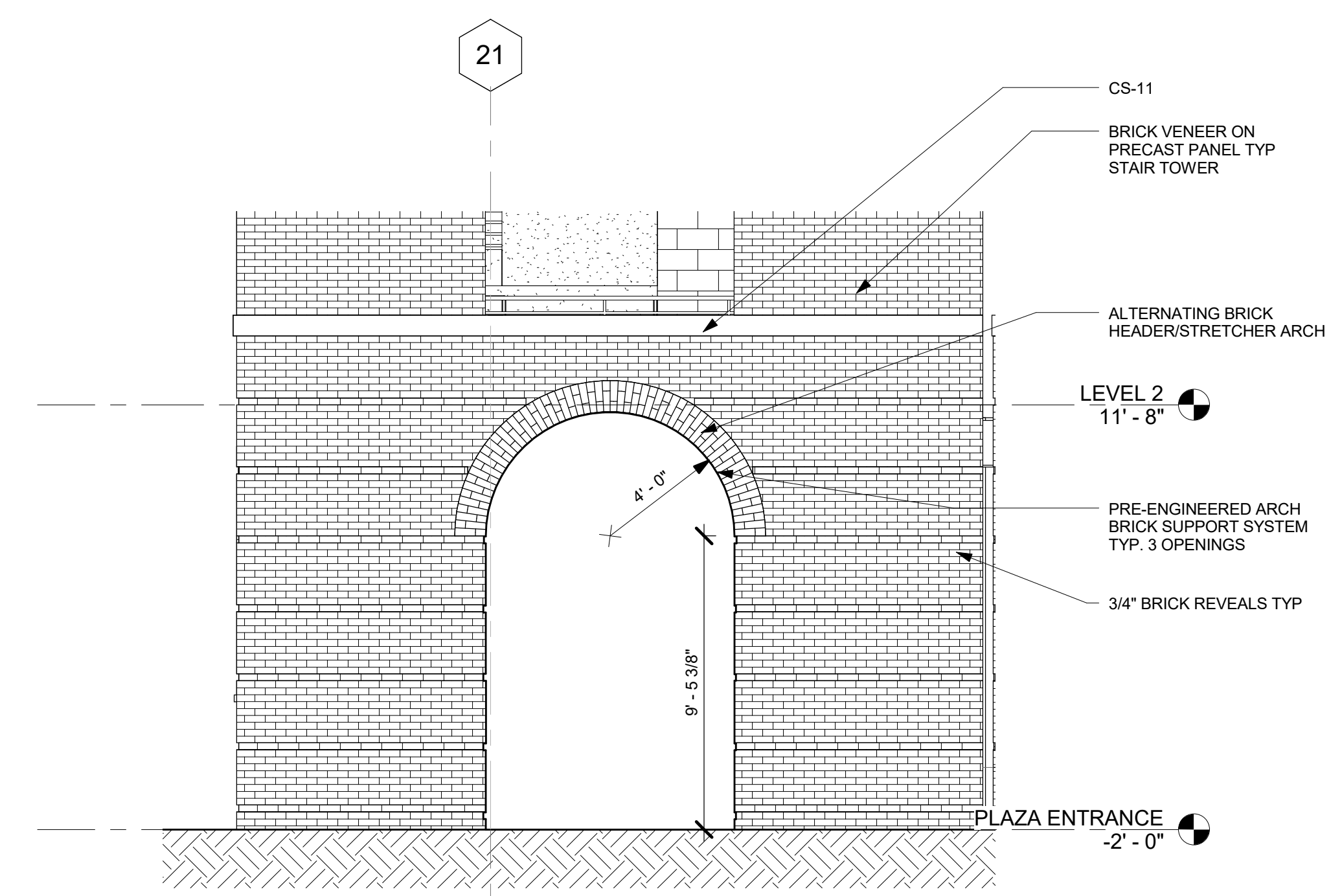


**1 SOUTH ELEVATION**  
1/8" = 1'-0" ALTERNATE 4  
STAIR TOWER GLAZING

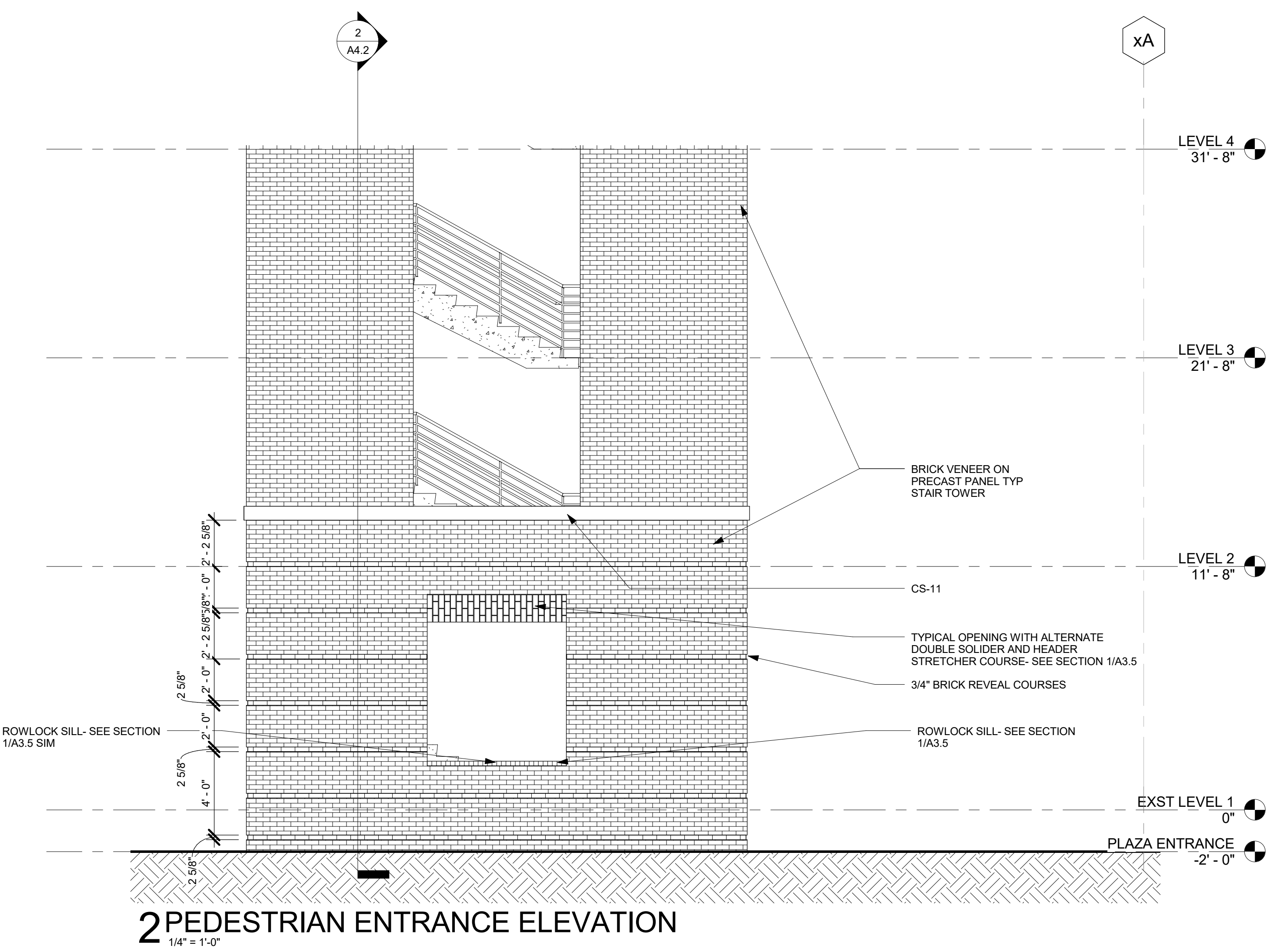




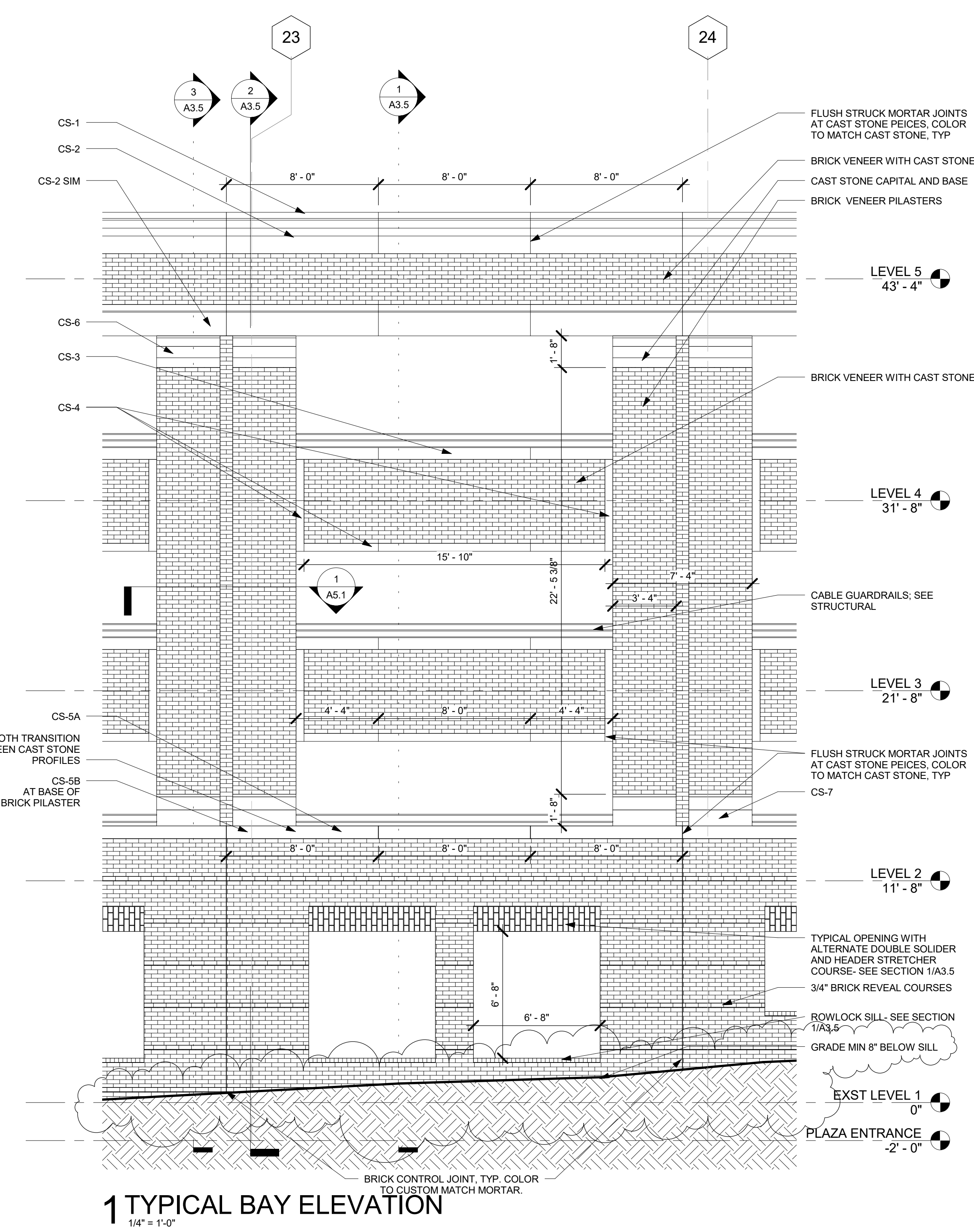
**Jenkins • Peer Architects**  
1129 South Tryon Street, Suite 1300  
Charlotte, North Carolina 28284  
(704) 372-6665  
JPA Project No. 16SKA100



**3 ENTRY ELEVATION**  
1/4" = 1'-0"



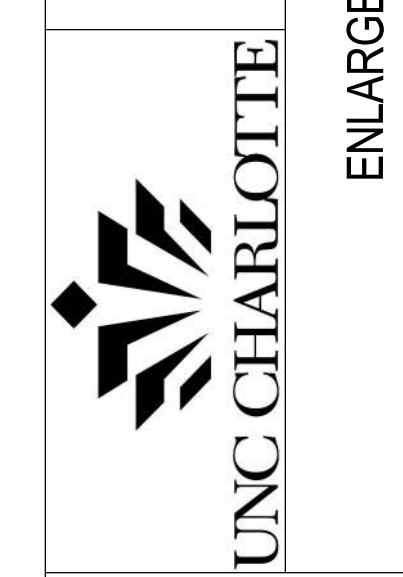
**2 PEDESTRIAN ENTRANCE ELEVATION**  
1/4" = 1'-0"



**1 TYPICAL BAY ELEVATION**  
1/4" = 1'-0"

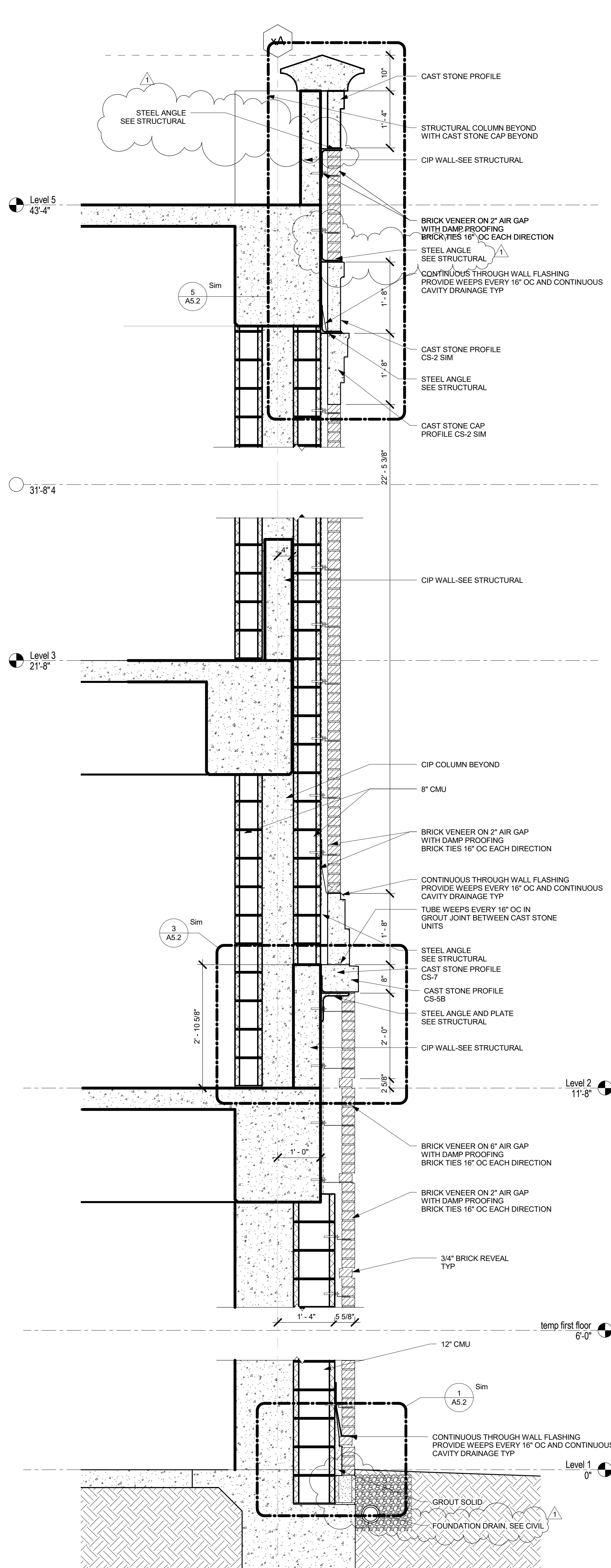
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

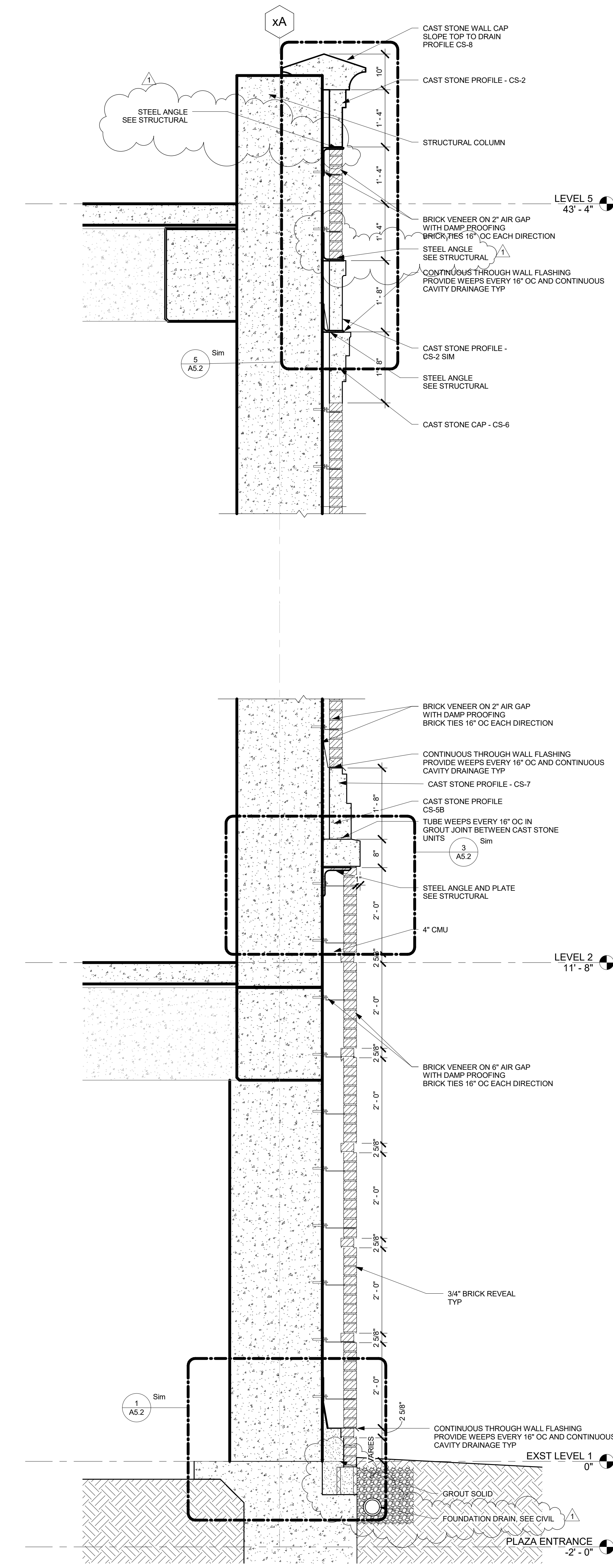


Designed By: VAJ  
Drawn By: JMK  
Checked By: PSP  
Date: 03/13/17

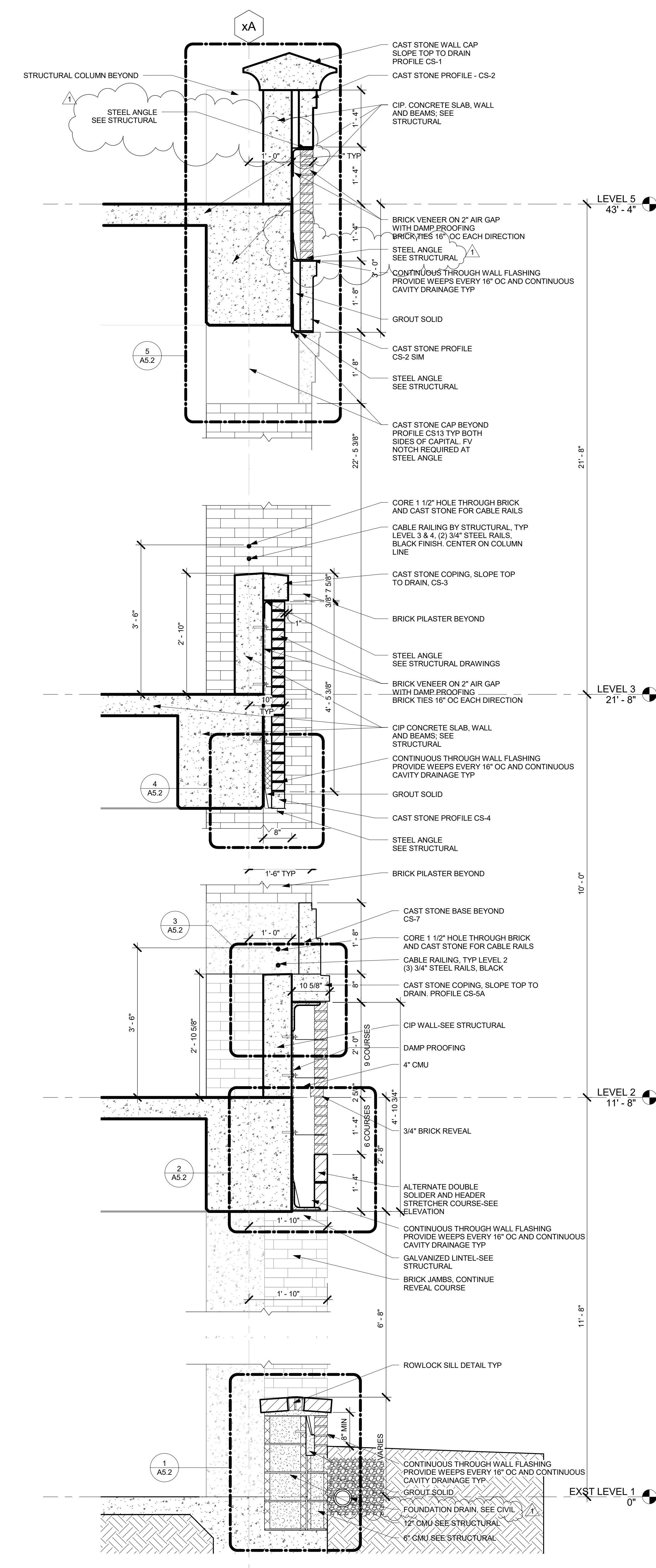




3 WALL SECTION THROUGH PILASTER  
3/4" = 1'-0"



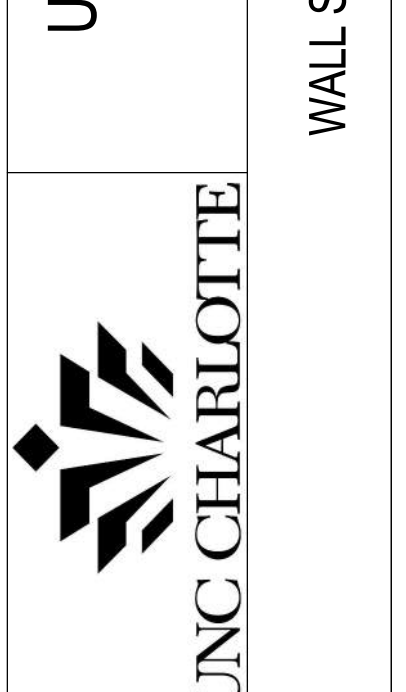
2 WALL SECTION AT STRUCTURAL COLUMN TYP  
3/4" = 1'-0"

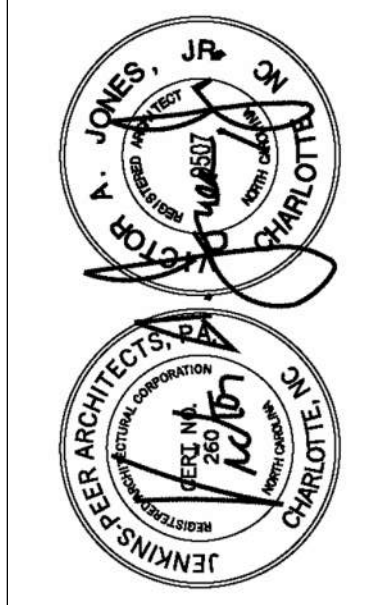


1 WALL SECTION BETWEEN PILASTERS  
3/4" = 1'-0"



Mark	Date	Revision
1	3/16/17	ADDENDUM 2

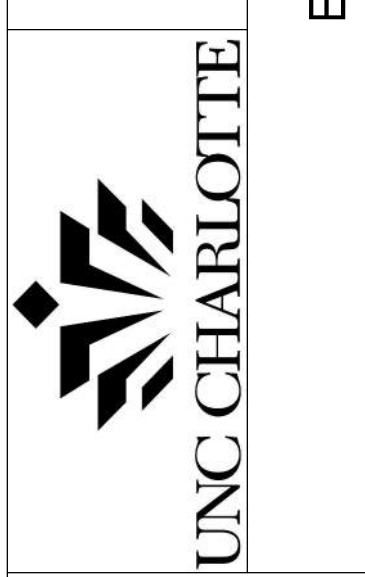




**Jenkins • Peer Architects**  
119 South Tryon Street, Suite 1300  
Charlotte, North Carolina 28284  
(704) 372-6665  
JPA Project No. 16SKA100

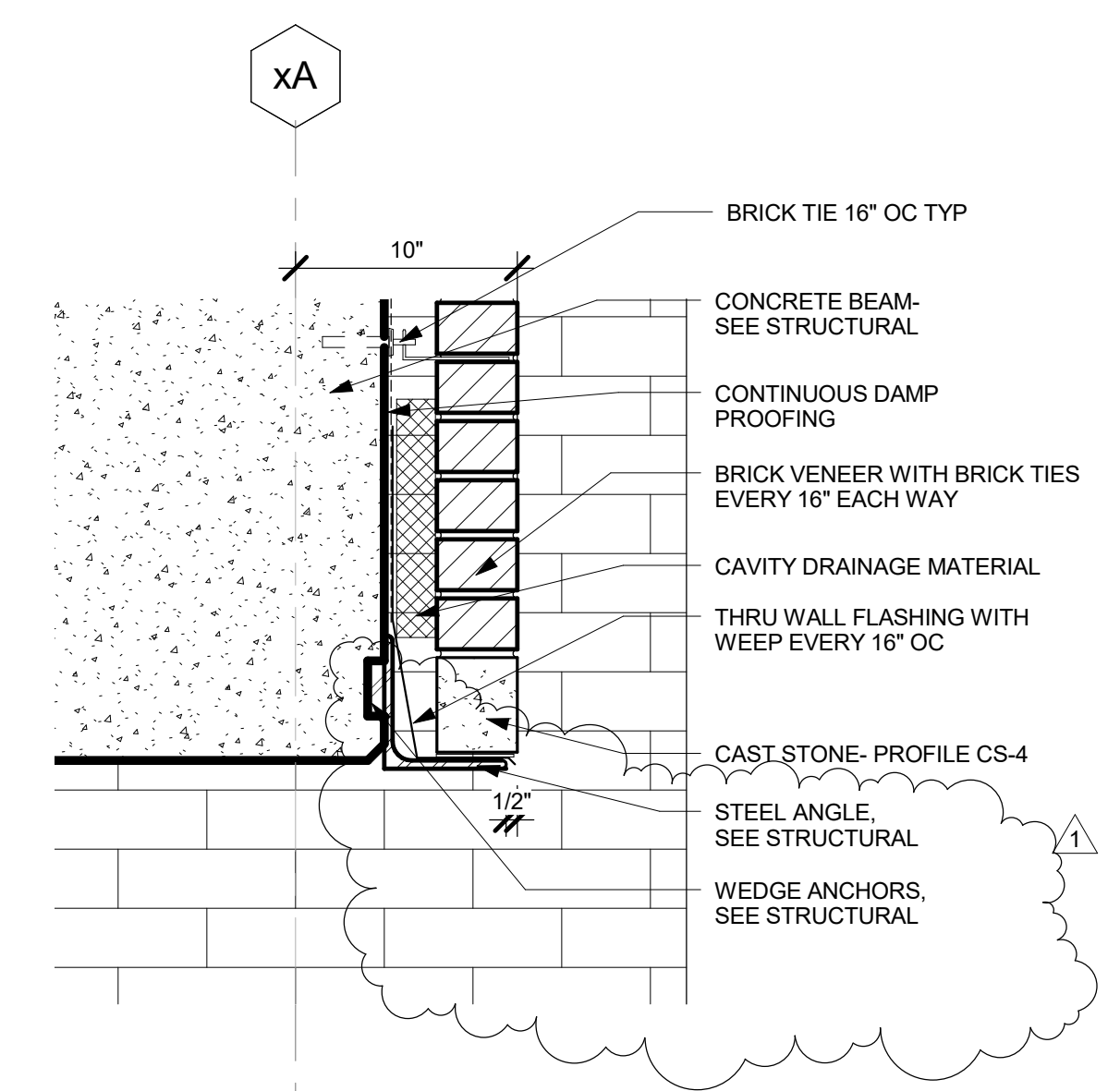
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

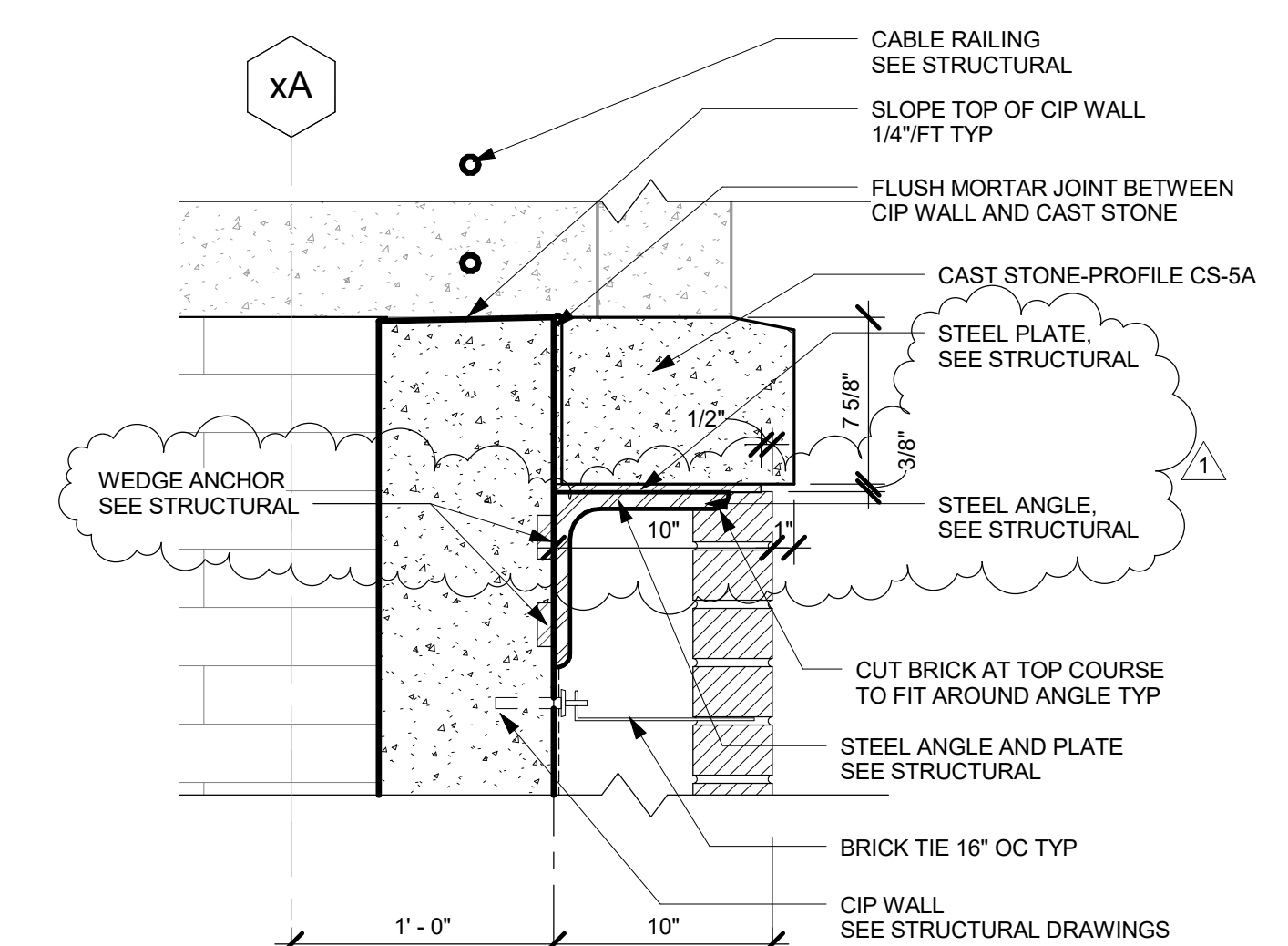


Designed By: VAJ  
Drawn By: JMK  
Checked By: PSP  
Date: 03/13/17

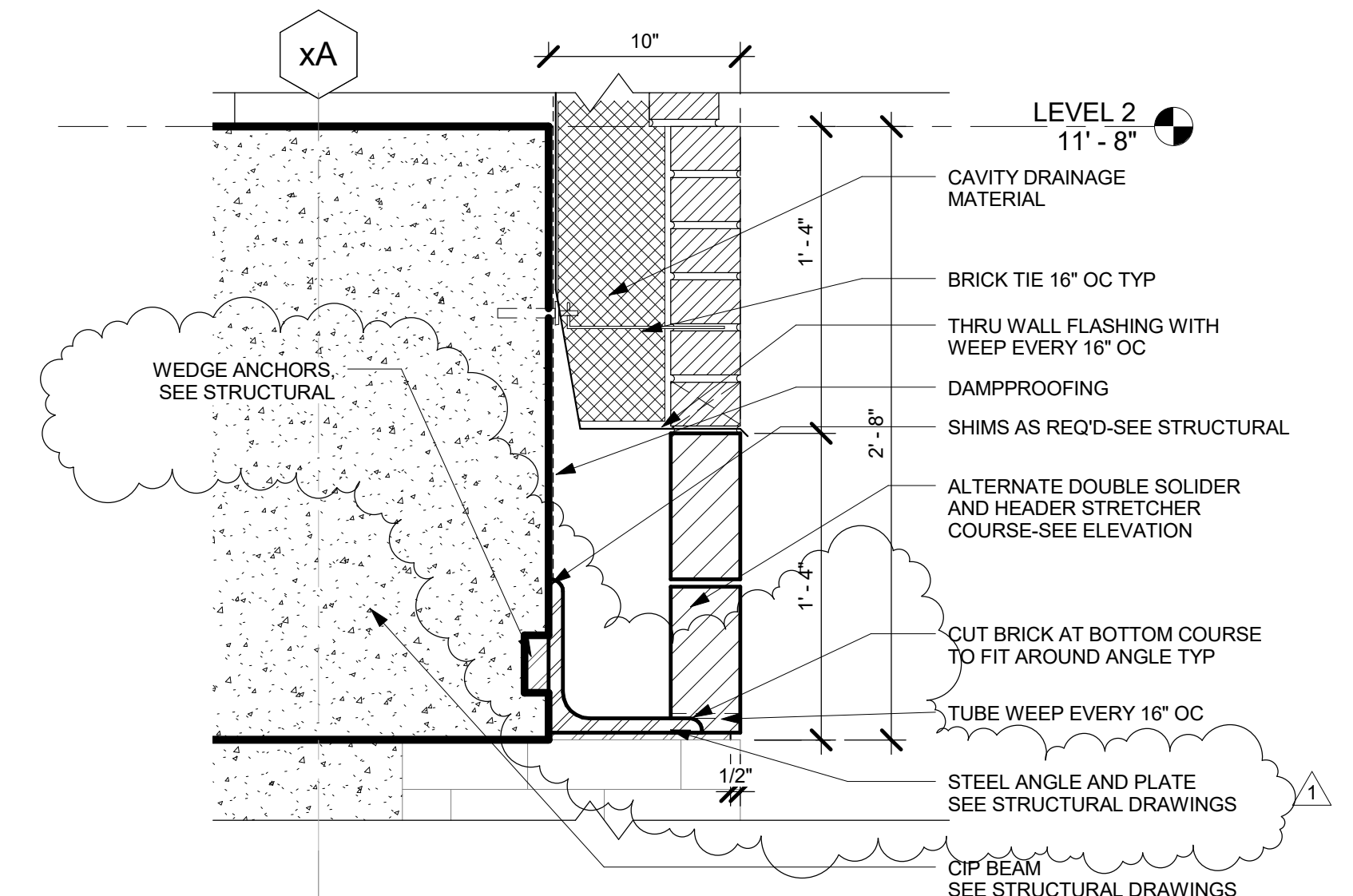
**A5.2**



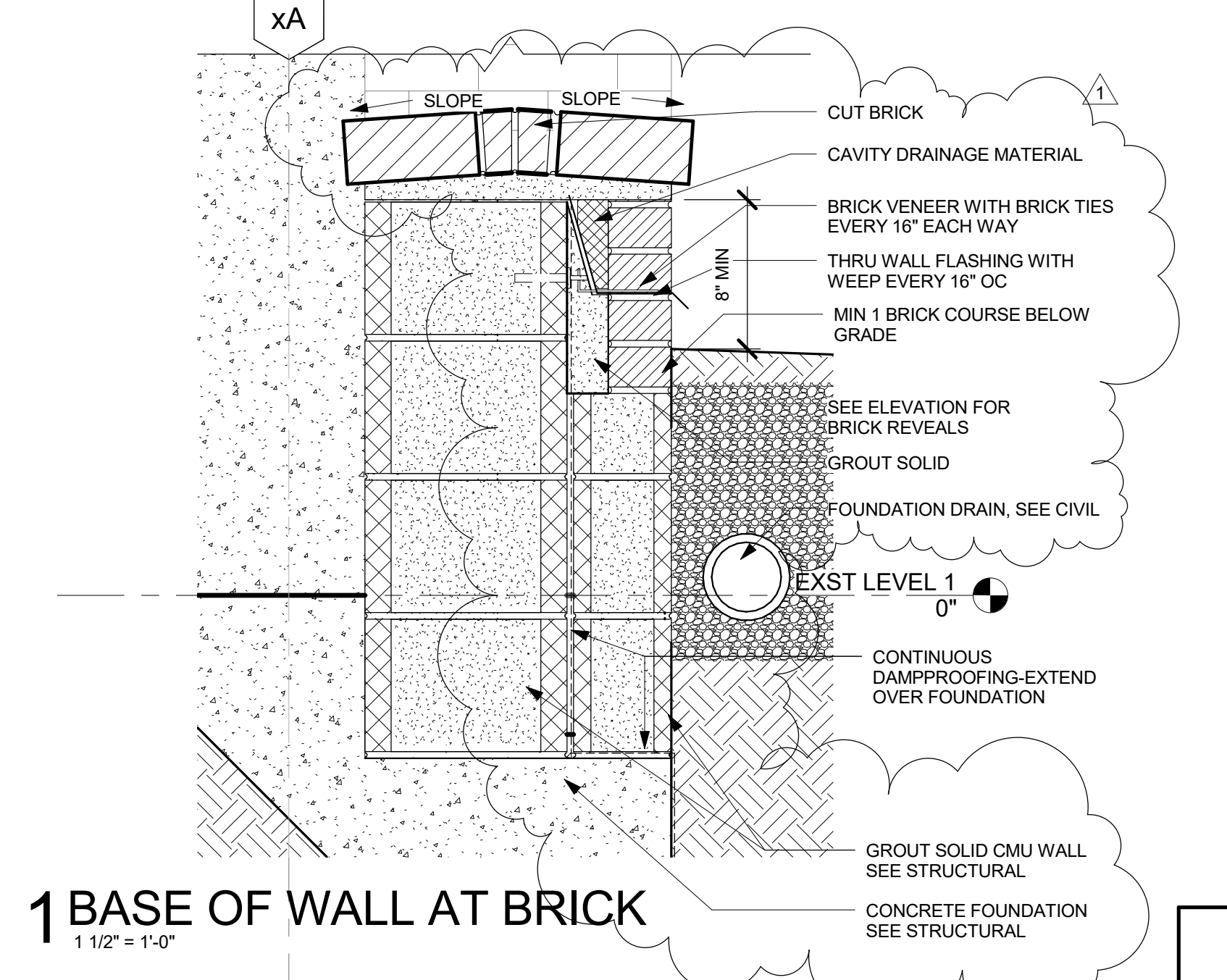
**4 LEVEL 5 WALL PANEL DETAIL**  
1 1/2" = 1'-0"



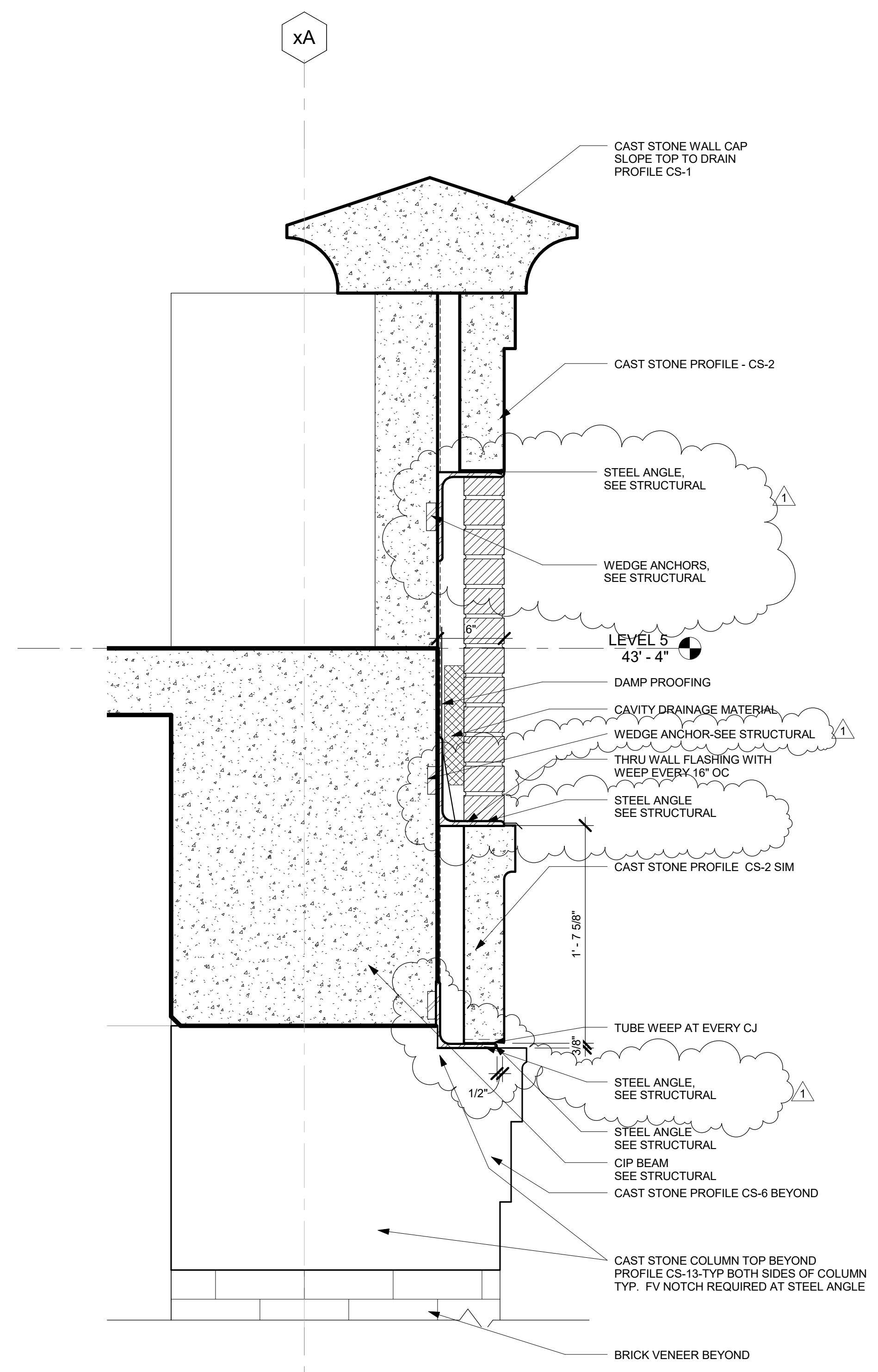
**3 WALL DETAIL BETWEEN PIERS**  
1 1/2" = 1'-0"



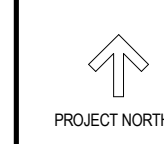
**2 HEADER DETAIL LEVEL 1 OPENINGS**  
1 1/2" = 1'-0"

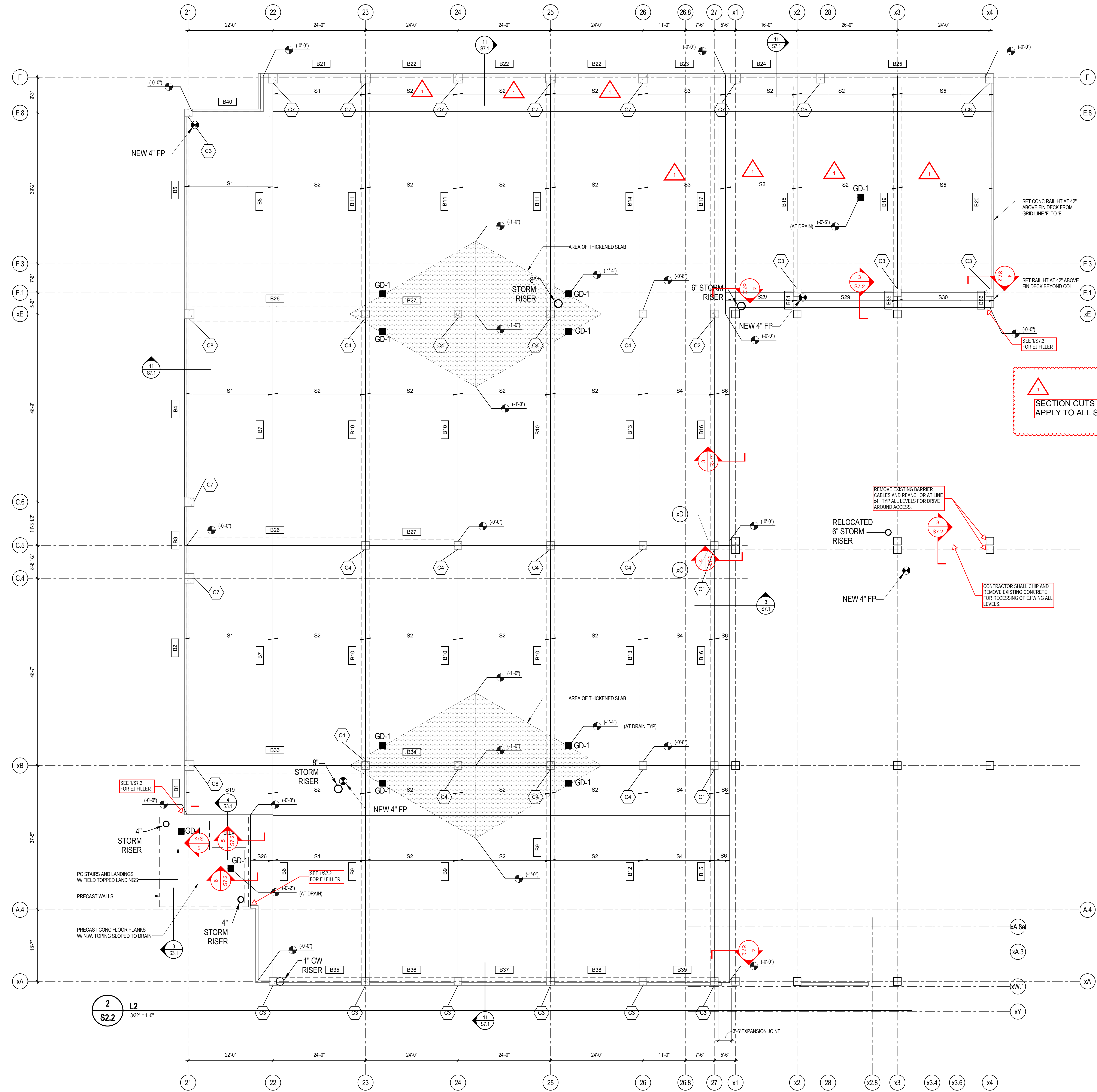


**1 BASE OF WALL AT BRICK**  
1 1/2" = 1'-0"



**5 PIER CAPITAL DETAIL**  
1 1/2" = 1'-0"





SECTION CUTS FOR EXPANSION JOINTS APPLY TO ALL SUSPENDED FLOORS

REMOVE EXISTING BARRIER CABLES AND REANCHOR AT LINE X1. TYP ALL LEVELS FOR DRIVE AROUND ACCESS.

CONTRACTOR SHALL CHIP AND REMOVE EXISTING CONCRETE FOR RECESSING OF EJ W/ING ALL LEVELS.

- CONCRETE FLOOR SLAB NOTES**
- SEE ALL TYPICAL DETAILS SHOWING CONSTRUCTION RELATED TO ELEVATED CONCRETE FLOOR SLABS.
  - SEE BEAM AND SLAB SCHEDULES ON SHEETS 4.21, 4.22 AND 4.3.
  - SLAB SLOPES: SEE PLUMBING DRAWINGS FOR LOCATIONS OF FLOOR DRAINS AND SLOPED SLAB AREAS. SLOPE SURFACE UNIFORMLY TO DRAIN. SLOPED SLABS WHICH POND WATER SHALL BE REPLACED.
  - SLAB OPENINGS:
    - THE FRAMING PLANS DO NOT SHOW ALL FLOOR OPENINGS. COORDINATE THE REQUIREMENTS FOR SLAB OPENINGS WITH DRAWINGS OF OTHER TRADES. LOCATE ALL OPENINGS BETWEEN FRAMING MEMBERS. DO NOT CUT FRAMING MEMBERS TO INSTALL OPENINGS.
    - FLOOR PENETRATIONS SHALL BE LOCATED AND SLEEVED USING TYPICAL DETAILS OF CONSTRUCTION PRIOR TO PLACEMENT OF CONCRETE.
    - SLAB PENETRATIONS SHALL BE SPACED NO CLOSER THAN 3 X LARGER OPENING DIMENSION ON CENTER.
    - FLOOR PENETRATIONS LARGER THAN 6" SHALL BE FORMED. FLOOR PENETRATIONS LARGER THAN 12" SHALL BE RECEIVE STEEL FRAME PER TYPICAL DETAIL.

**1**  
**S2.2** LEVEL 2 FRAMING PLAN  
3/2" = 1'-0"

Mark	Date	Revision
1	3/16/17	ADDENDUM 2

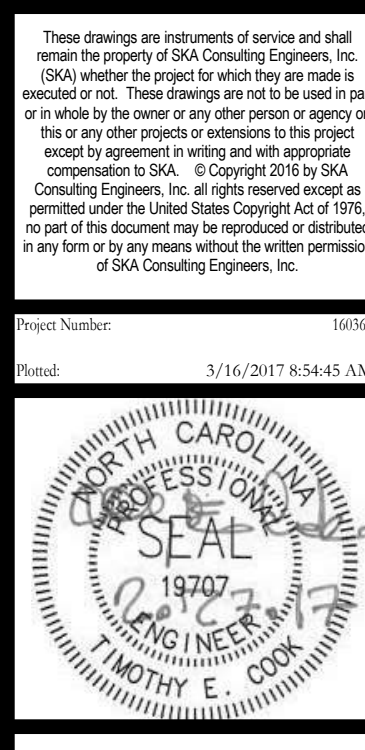
**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

**UNC CHARLOTTE**

LEVEL 2 FRAMING PLAN

Designed By: TEC  
Drawn By: R/W  
Checked By: TEC  
Date: 02/27/2017





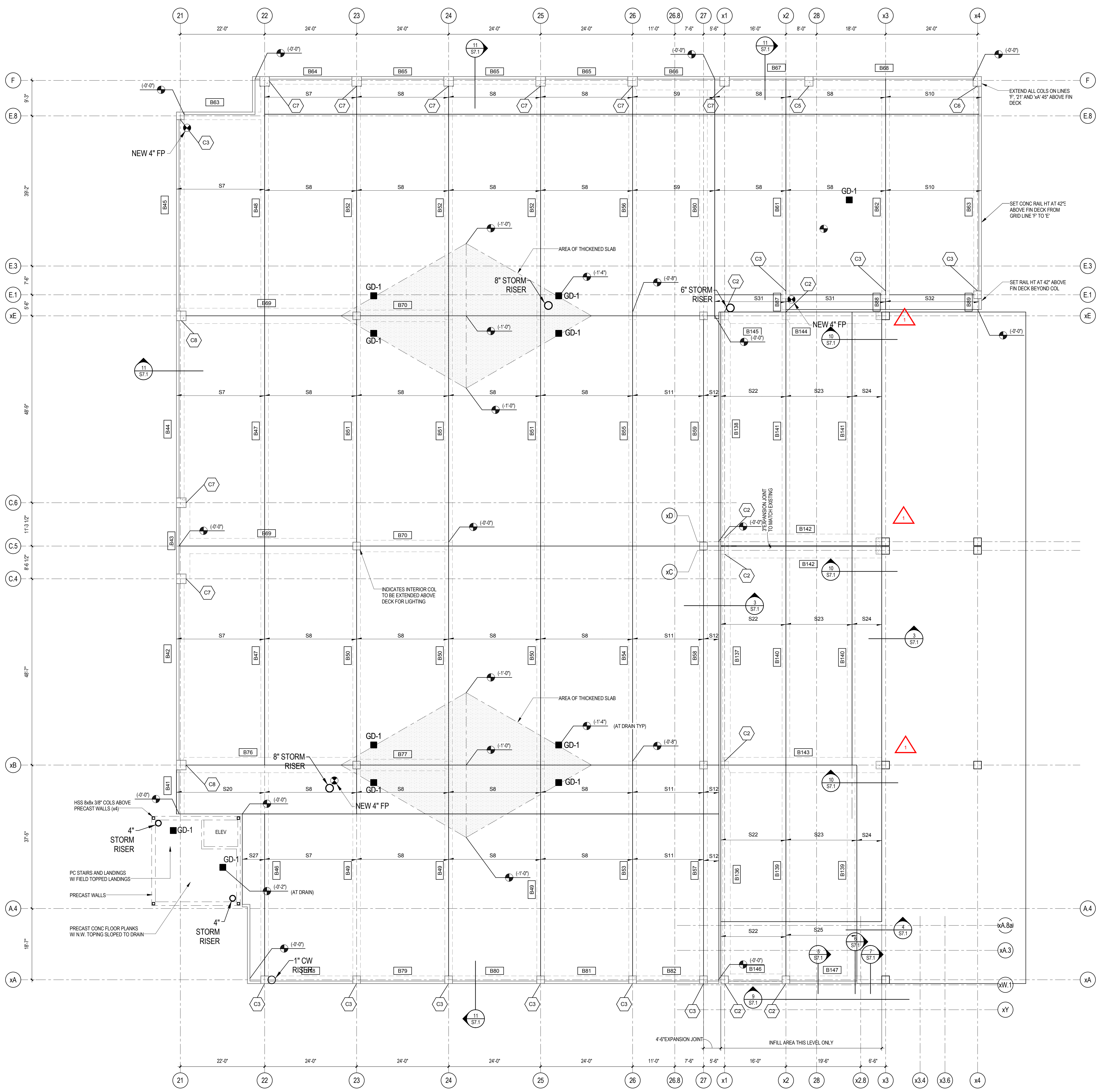
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

Mark	Date	Revision
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A  
**UNC CHARLOTTE**  
LEVEL 5 FRAMING PLAN - BASE BID

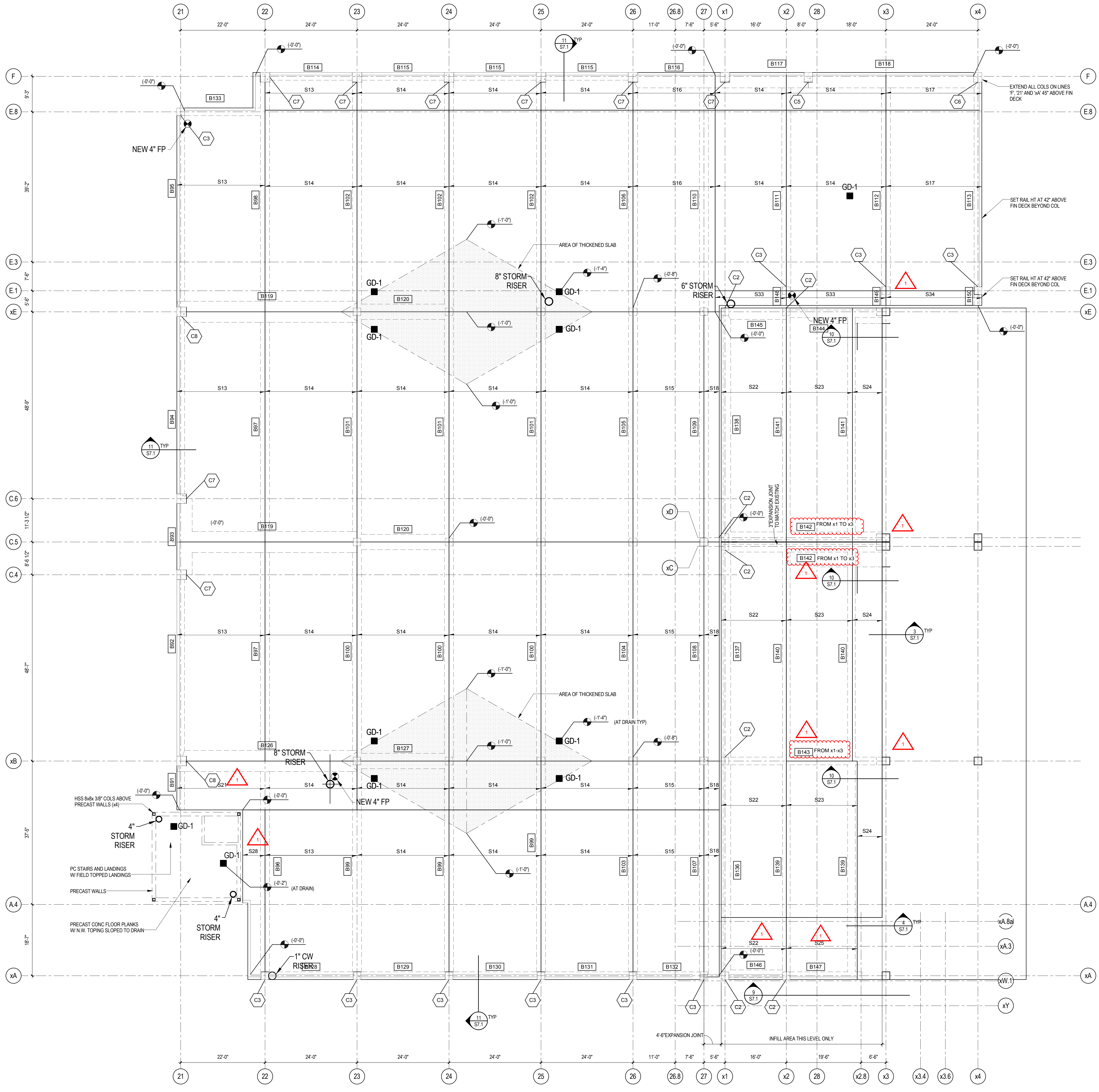
Designed By: TEC  
Drawn By: R/W  
Checked By: TEC  
Date: 02/27/2017

**S2.4**

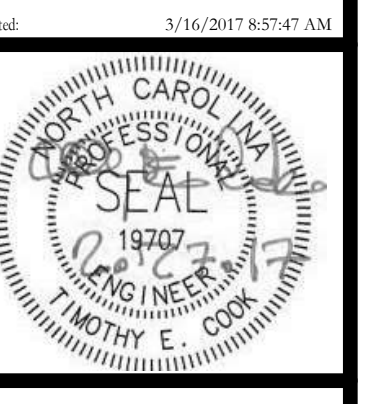


- CONCRETE FLOOR SLAB NOTES**
- SEE ALL TYPICAL DETAILS SHOWING CONSTRUCTION RELATED TO ELEVATED CONCRETE FLOOR SLABS.
  - SEE BEAM AND SLAB SCHEDULES ON SHEETS 4.21, 4.22 AND 4.3.
  - SLAB SLOPES: SEE PLUMBING DRAWINGS FOR LOCATIONS OF FLOOR DRAINS AND SLOPED SLAB AREAS. SLOPE SURFACE UNIFORMLY TO DRAIN. SLOPED SLABS WHICH POND WATER SHALL BE REPLACED.
  - SLAB OPENINGS:
    - THE FRAMING PLANS DO NOT SHOW ALL FLOOR OPENINGS. COORDINATE THE REQUIREMENTS FOR SLAB OPENINGS WITH DRAWINGS OF OTHER TRADES. LOCATE ALL OPENINGS BETWEEN FRAMING MEMBERS. DO NOT CUT FRAMING MEMBERS TO INSTALL OPENINGS.
    - FLOOR PENETRATIONS SHALL BE LOCATED AND SLEEVED USING TYPICAL DETAILS OF CONSTRUCTION PRIOR TO PLACEMENT OF CONCRETE.
    - SLAB PENETRATIONS SHALL BE SPACED NO CLOSER THAN 3 X LARGER OPENING DIMENSION ON CENTER.
    - FLOOR PENETRATIONS LARGER THAN 6" SHALL BE FORMED. FLOOR PENETRATIONS LARGER THAN 12" SHALL BE RECEIVE STEEL FRAME PER TYPICAL DETAIL.

**1**  
**S2.4** LEVEL 5 FRAMING PLAN  
3/32" = 1'-0"



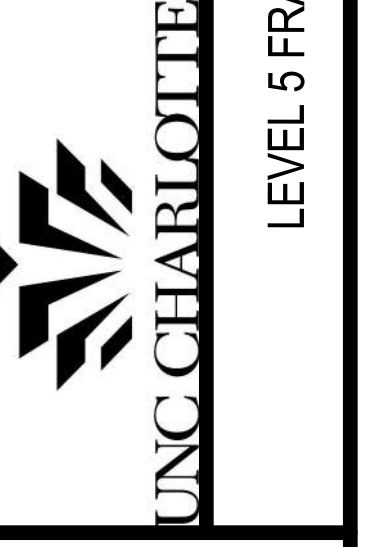
1  
S2.5 LEVEL 5 FRAMING PLAN - ALTERNATE BID #5  
3/22 = 1'-0"



Mark	Date	Revision
1	3/16/17	ADDENDUM 2

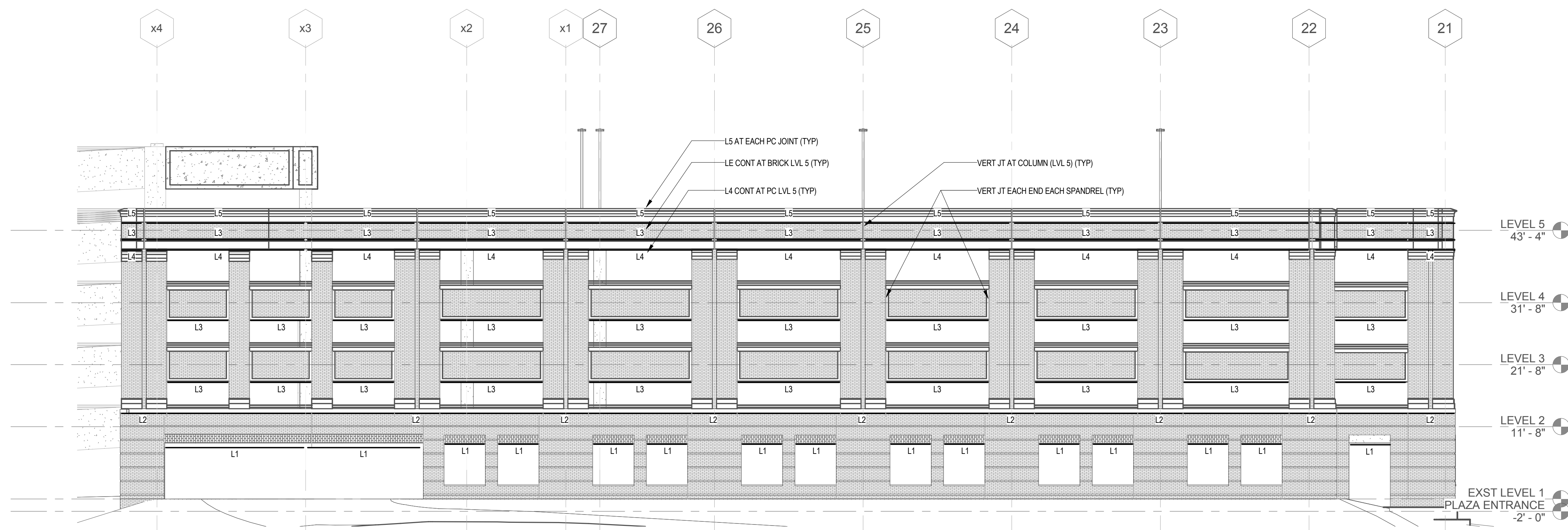
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

**UNION DECK EXPANSION**  
SCO ID #16-15657-02A

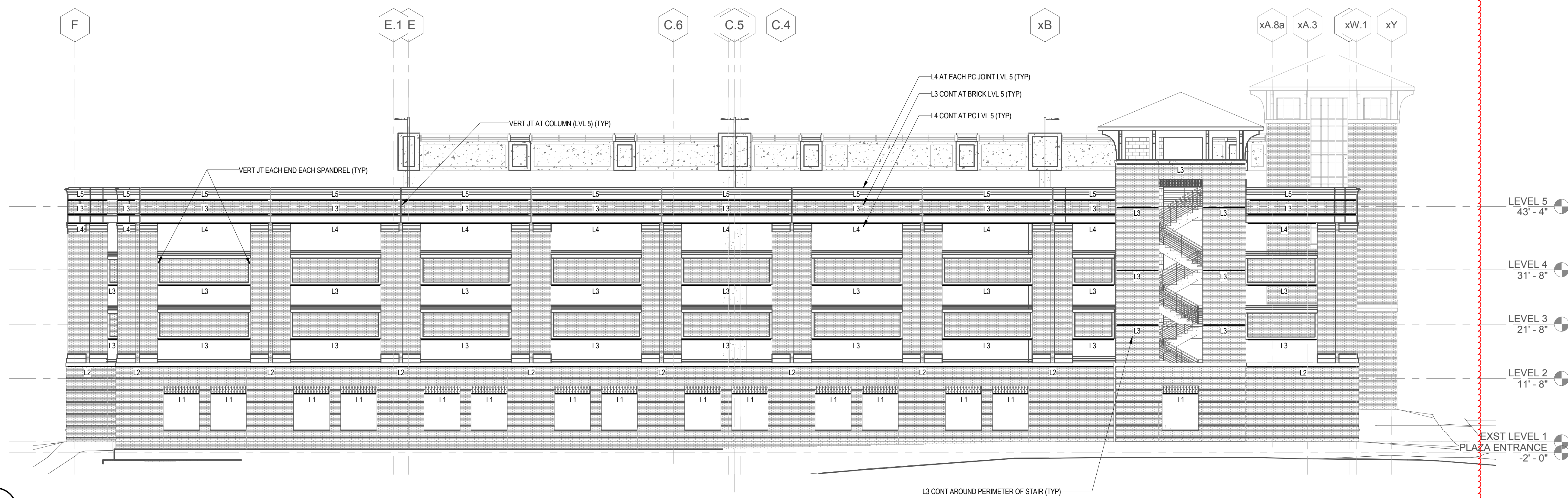


LEVEL 5 FRAMING PLAN - ALTERNATE BID #5

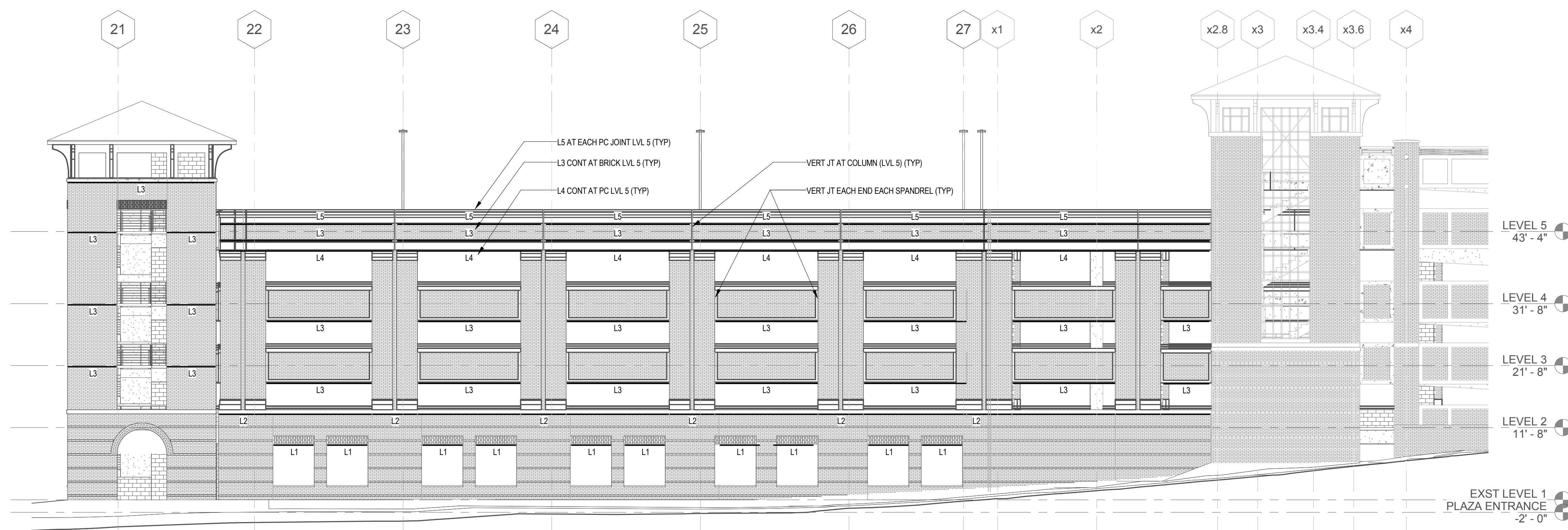
Designed By: \_\_\_\_\_  
Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: 02/27/2017



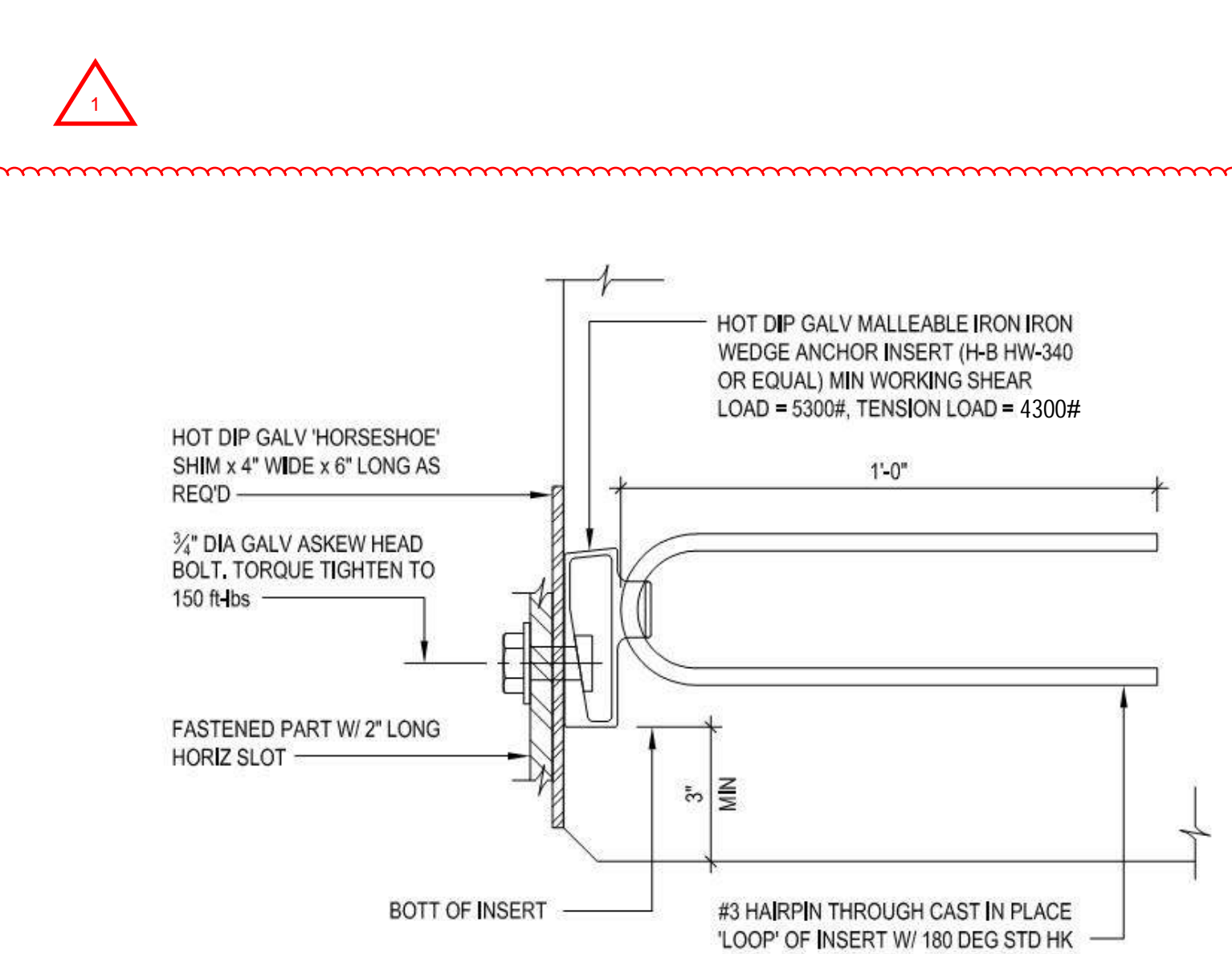
1 North - Lintels  
3/32" = 1'-0"



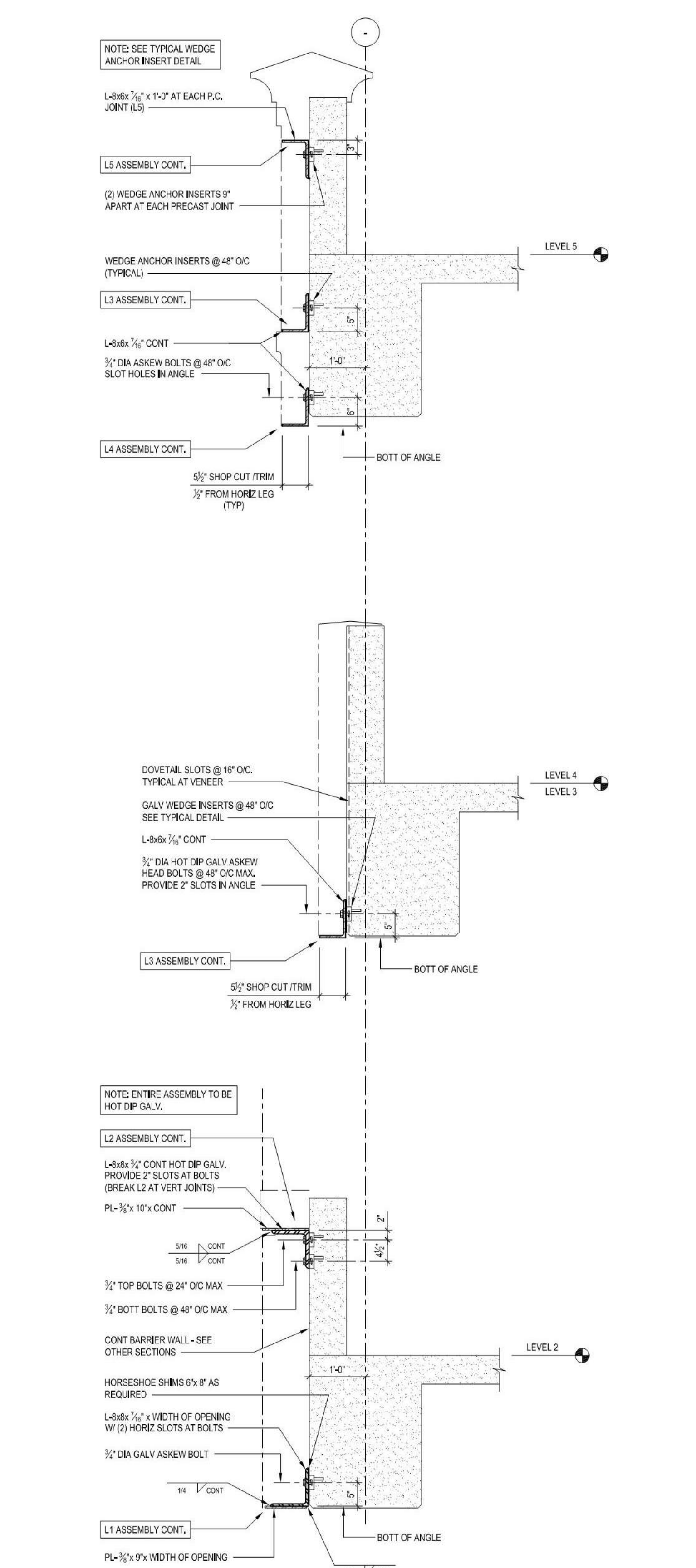
2 West - Lintels  
3/32" = 1'-0"



3 South - Lintels  
3/32" = 1'-0"



5 TYPICAL CAST IN PLACE INSERT W/ ASKEW HEAD BOLT  
3/4" = 1'-0"



4 160367-S7701  
3/4" = 1'-0"

**SKA**  
CONSULTING ENGINEERS  
GREENSBORO, NC  
Corporate Office  
ASHEVILLE, NC  
BIRMINGHAM, AL  
CHARLOTTE, NC  
WILMINGTON, NC

Quality. Integrity. Innovation.  
SKA Consulting Engineers, Inc.  
4651 Charlotte Park Dr., Suite 150  
Charlotte, NC 28217-1191  
704.424.9655 | 704.424.9665  
www.ska.com  
© Copyright 2017 by SKA Consulting Engineers, Inc. All rights reserved. No part of this document may be reproduced or distributed in any form or by any means without the written permission of SKA Consulting Engineers, Inc.

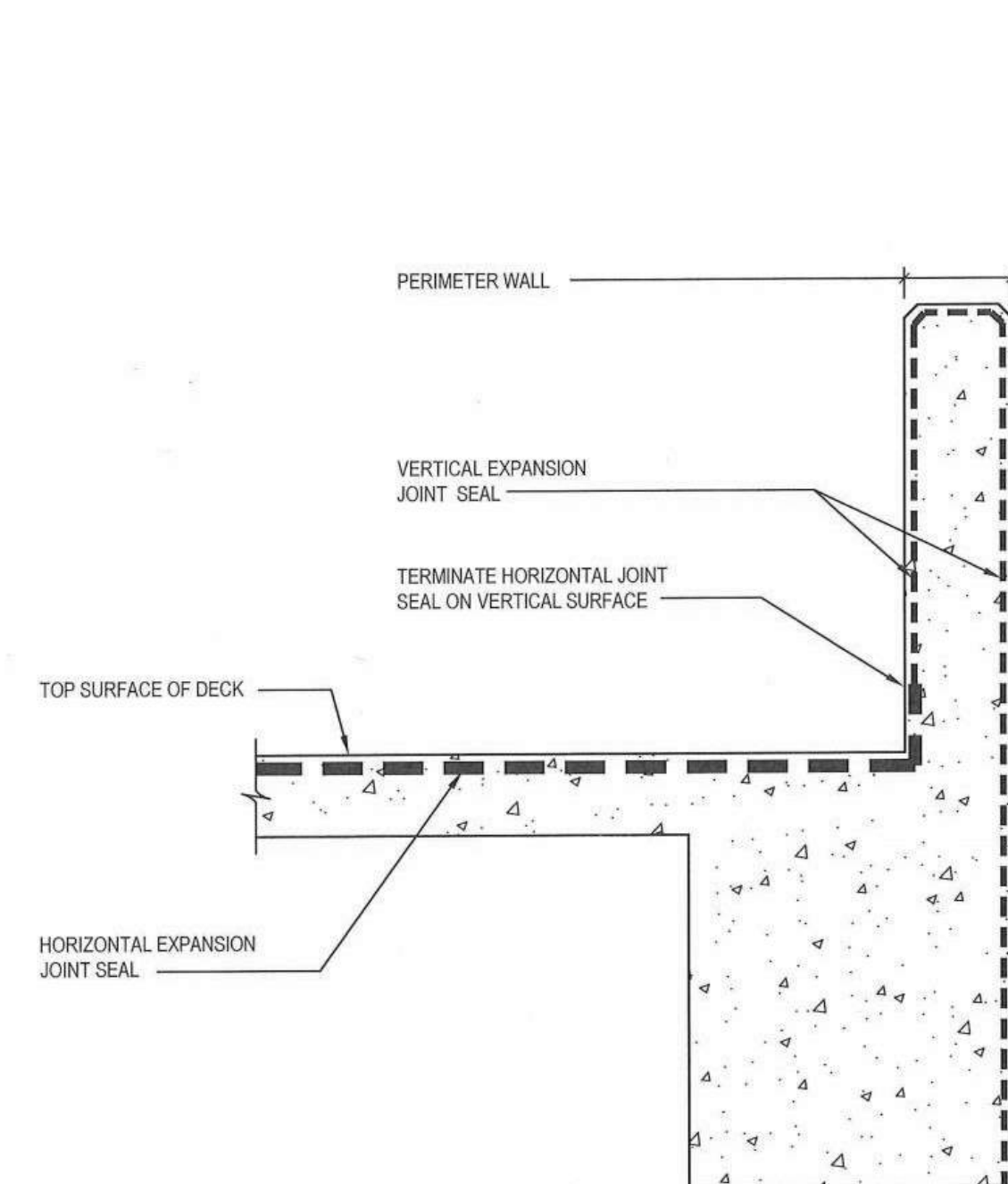
Project Number: 160367  
Date: 02/27/2017

UNION DECK EXPANSION  
SCO ID #16-15657-02A  
LINTELS - ELEVATIONS

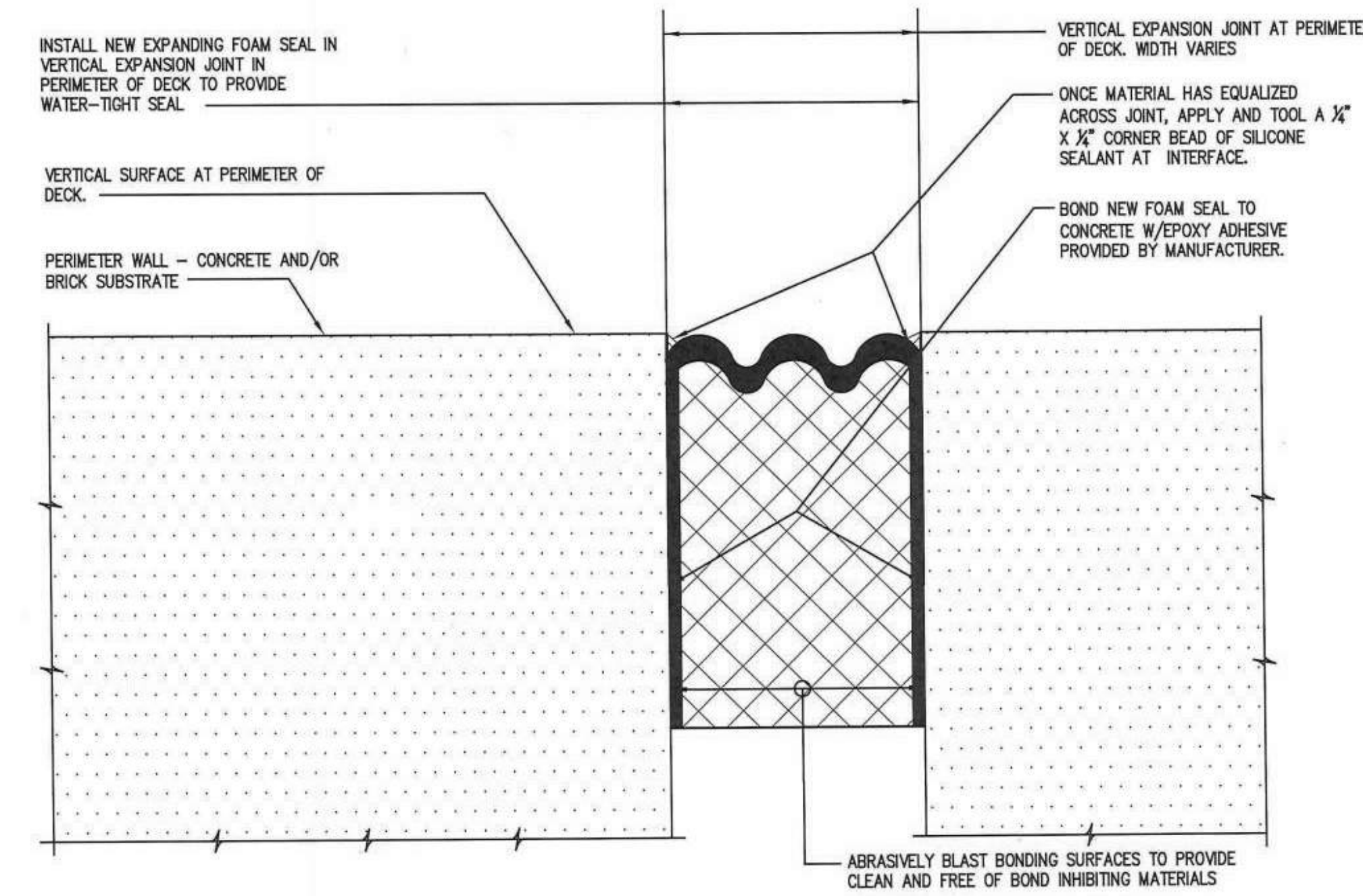
Mark	Date	Revision
1	3/16/17	ADDENDUM 2

Designed By: \_\_\_\_\_  
Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: 02/27/2017

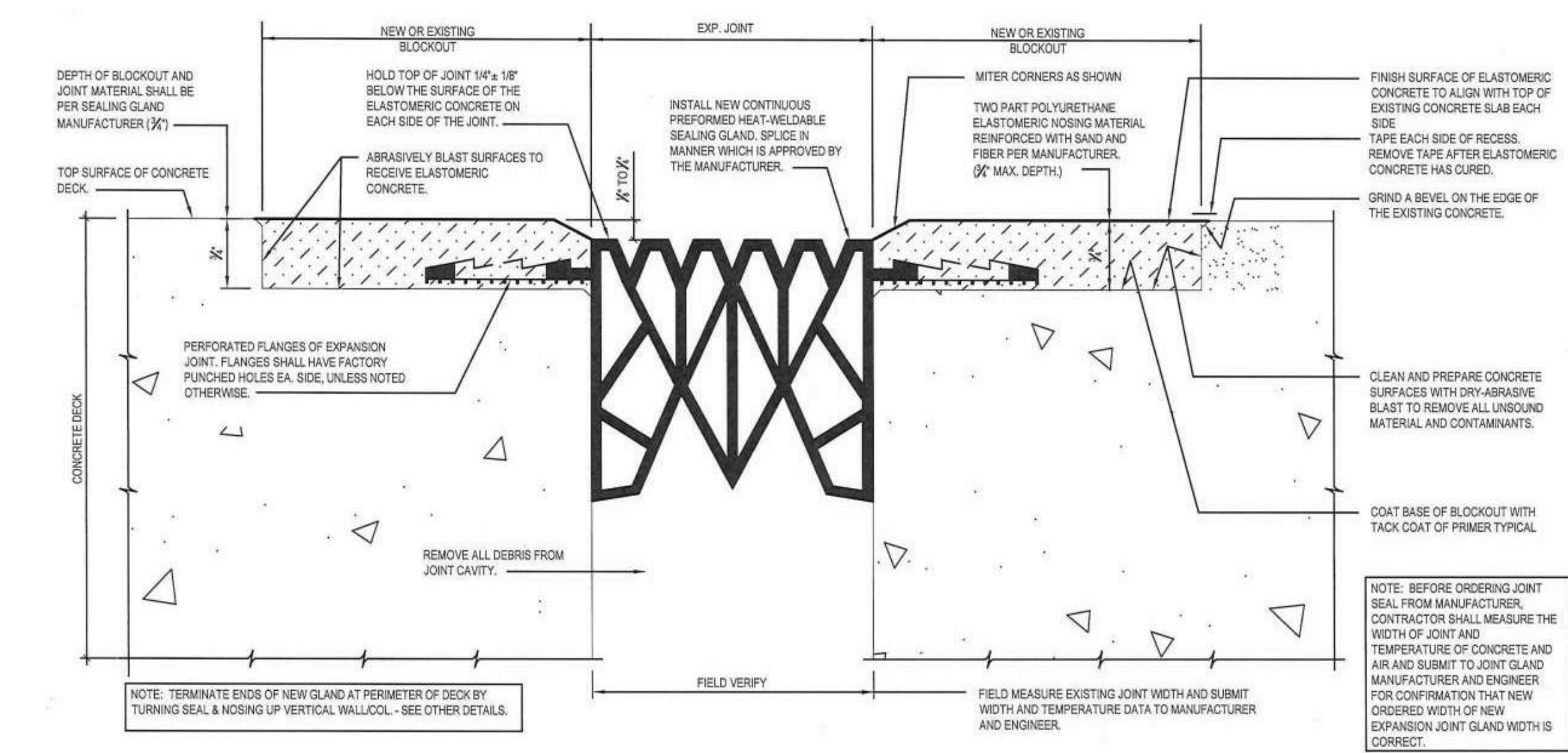
**S3.2**



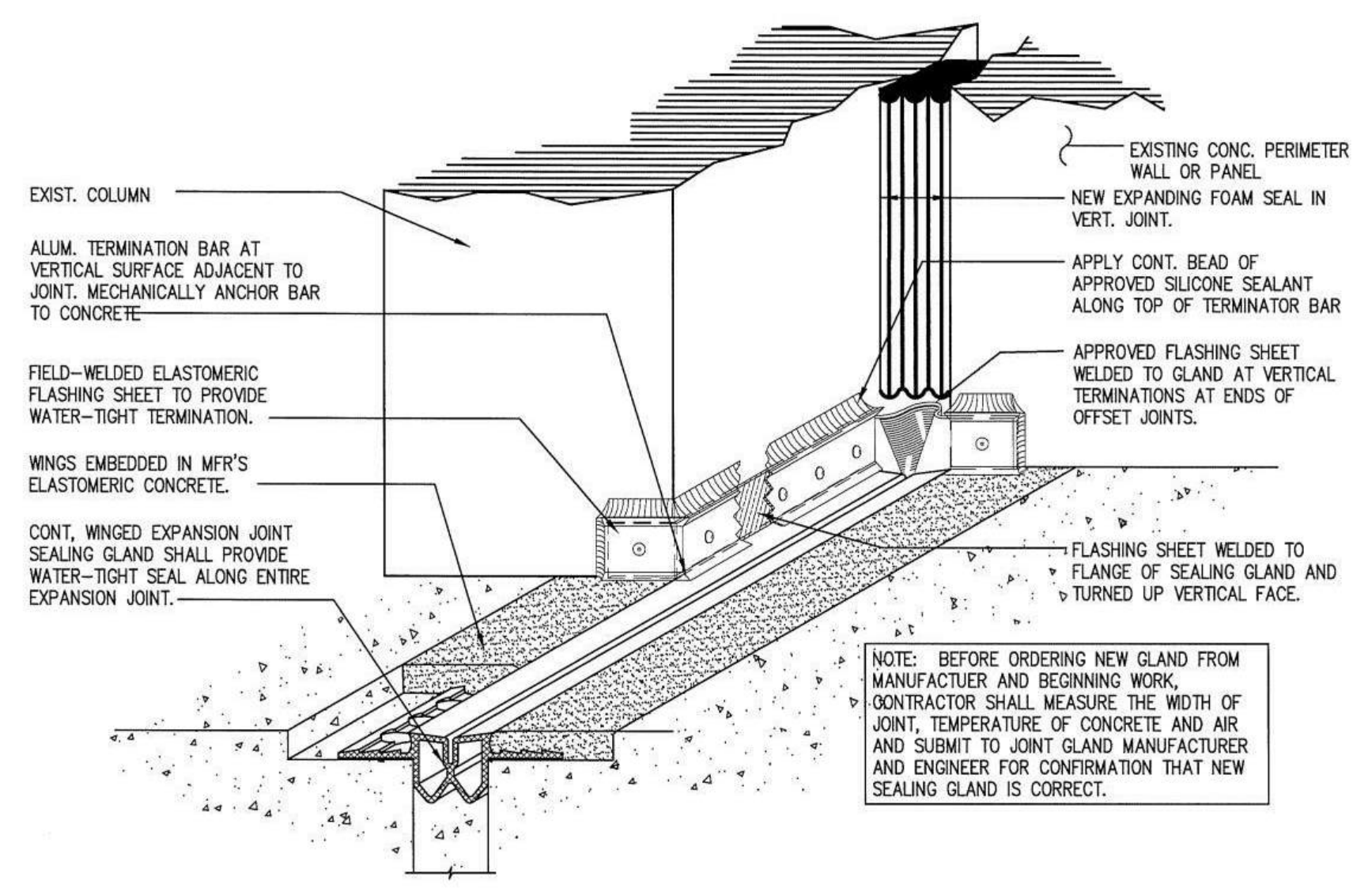
**1** EXP JT TERMINATION @ DECK PERIMETER  
S7.2 1" = 1'-0"



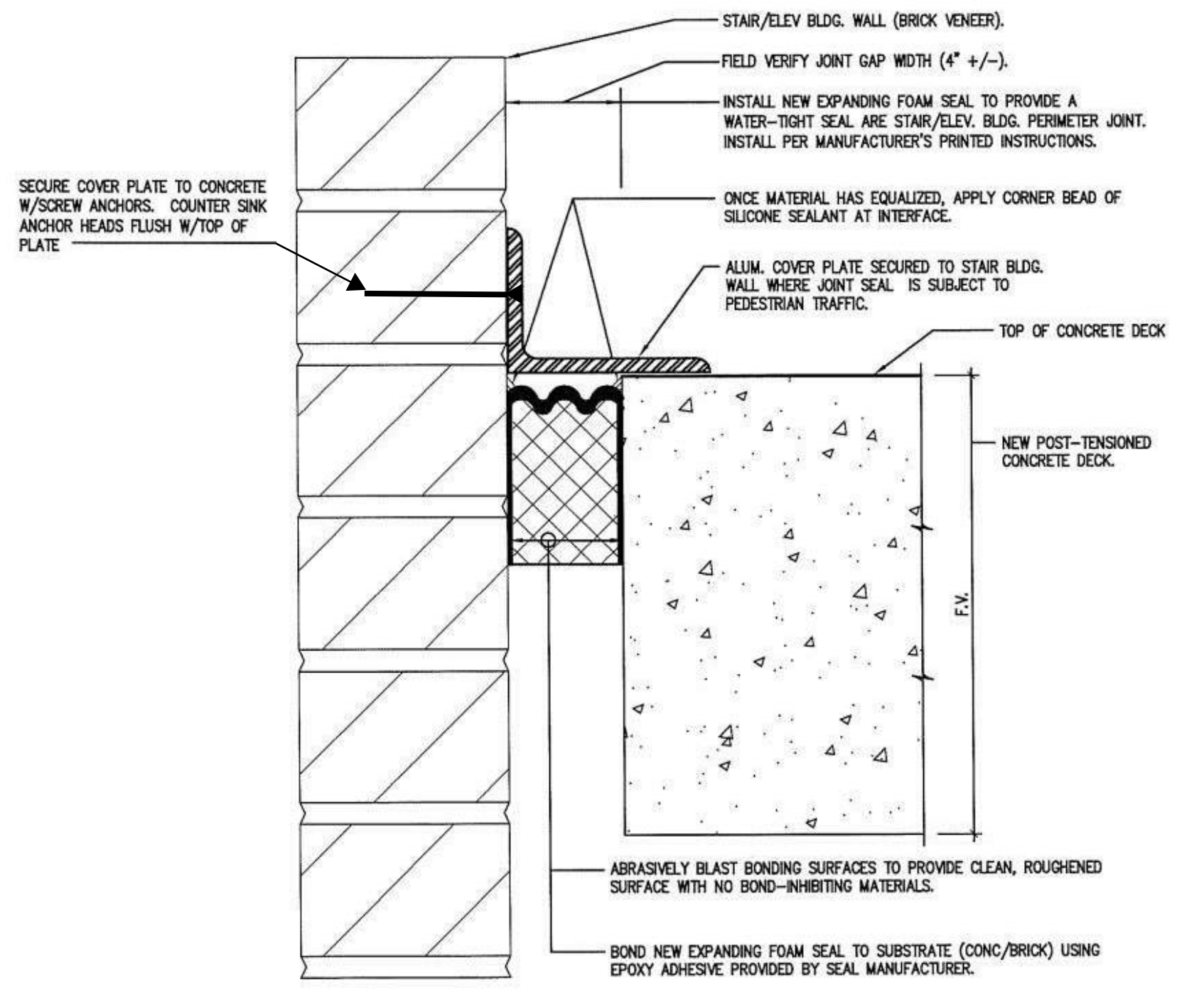
**2** EXP JT VERTICAL JT SEAL @ DECK PERIMETER  
S7.2 6" = 1'-0"



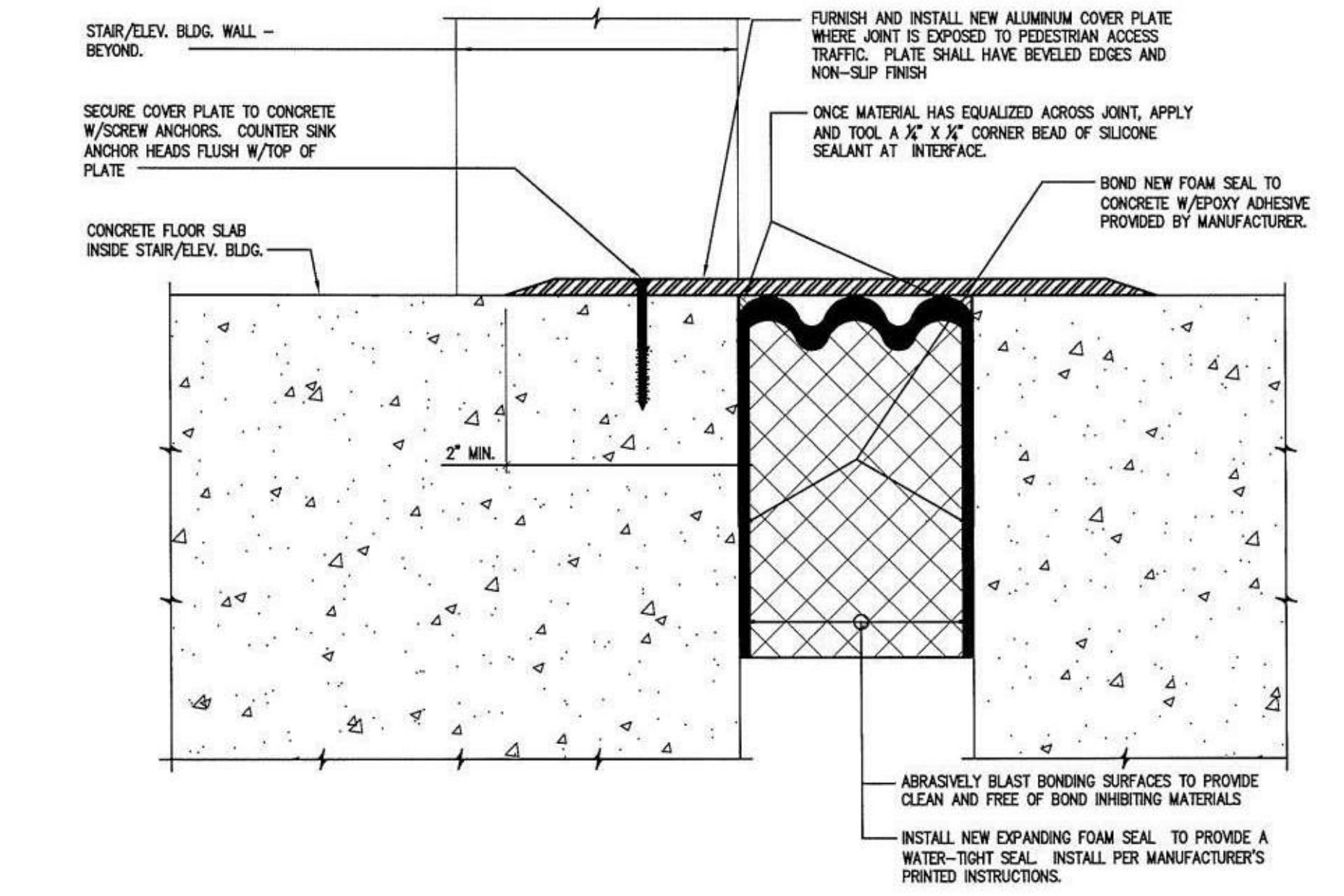
**3** EXP JT WINGED SEALING GLAND - SECTION  
S7.2 12" = 1'-0"



**4** EXP JT TERMINATION @ OFFSET COL / WALL  
S7.2 3" = 1'-0"



**5** EXP JT STAIR / ELEVATOR BLDG  
S7.2 6" = 1'-0"



**6** EXP JT STAIR / ELEVATOR BLDG  
S7.2 6" = 1'-0"

ADDED SHEET

Mark	Date	Revision
1	3/16/17	ADDENDUM 2

UNION DECK EXPANSION  
SCO ID #16-15657-02A



Designed By: \_\_\_\_\_  
Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: 02/27/2017

S7.2

SECTION AND DETAILS