

1

4

Concrete Radial Joint Repairs FY24-FY25 - June 01, 2023

Bid Documents and Corresponding Technical Specifications dated September 15, 2014, apply to Radial Joint repairs at 100 and 300 Levels. See Concrete Bed and Radial Joint Repairs FY24-FY25 Status Diagrams for Impacted Areas.

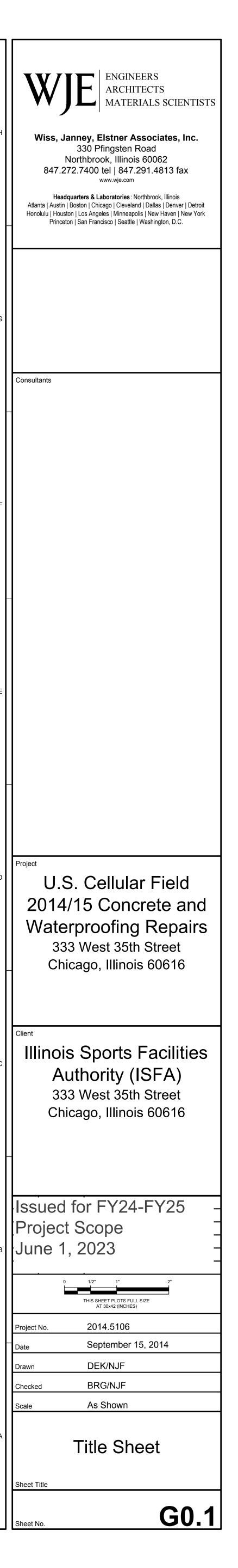
INDEX TO DRAWINGS:

G0.1	Title Sheet
G0.2	Notes
A1.1	Ground Level - Gate 4 Sidewalk Replacement Plan
A1.2	100 Level - Main Concourse Plan
A 1.3	500 Level - Upper Concourse Plan
A1.4	500 Level - Seating Bowl Plan
<u>A2.1</u>	500 Level - Enlarged Seating Bowl Plan
A2.2	Waterproofing Membrane Plan Views
A2.3	400 Level - Terrace Patio Railing Repairs
A3.1	Expansion Joint and Waterproofing Membrane Details
A3.2	500 Level - Drain and Sealant Details
A3.3	Concrete Repair and Miscellaneous Details
	-

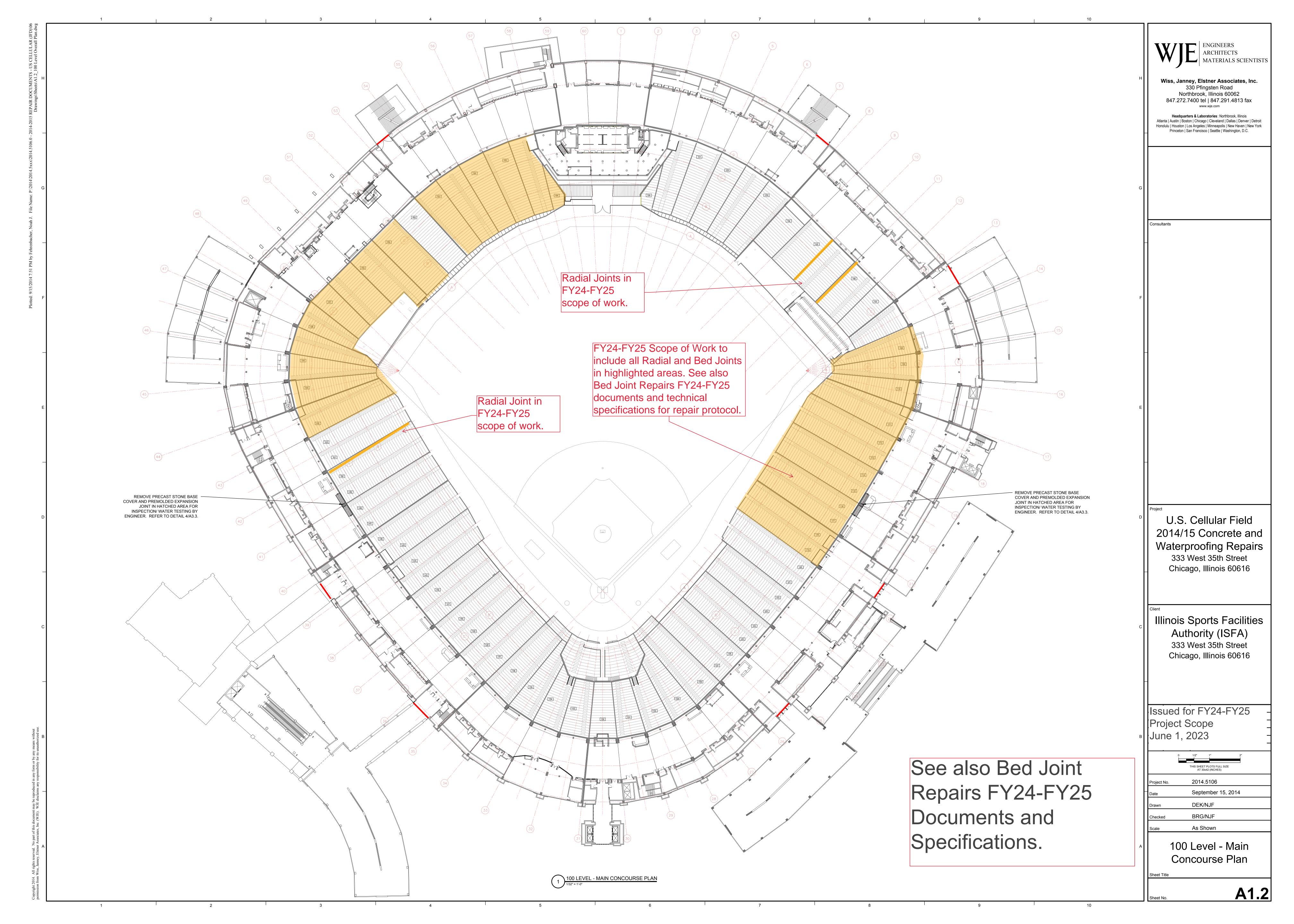
8

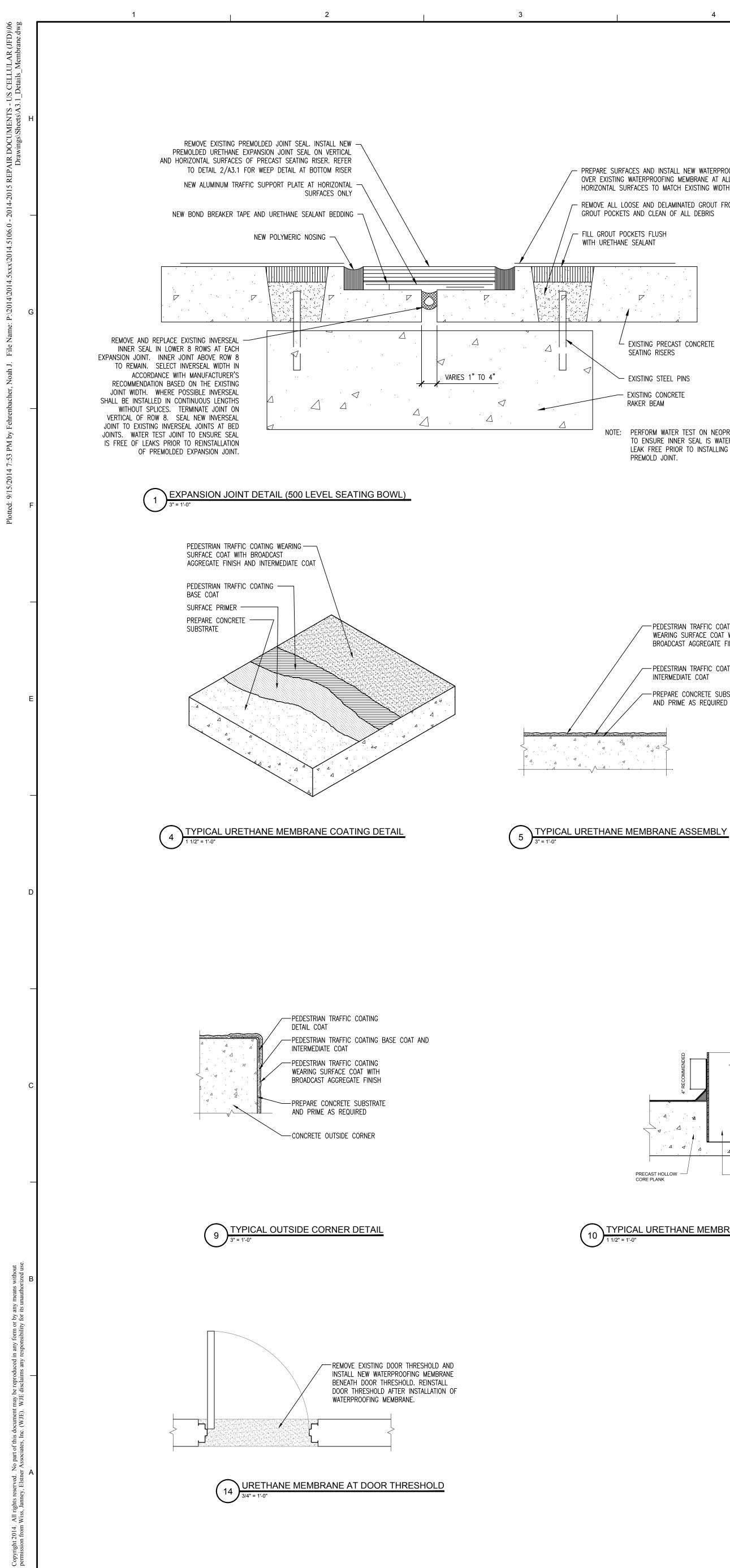
6

See also Bed and **Radial Joints Status** Plans dated June 1, 2023 for 300 Level Radial Joints included in FY24-FY25 Scope.



10





2

1

- PREPARE SURFACES AND INSTALL NEW WATERPROOFING MEMBRANE OVER EXISTING WATERPROOFING MEMBRANE AT ALL VERTICAL AND HORIZONTAL SURFACES TO MATCH EXISTING WIDTH - REMOVE ALL LOOSE AND DELAMINATED GROUT FROM GROUT POCKETS AND CLEAN OF ALL DEBRIS 1st TREAD NEW PREMOLDED URETHANE ------EXPANSION JOINT SEAL, LAP OVER BOTTOM SEAL LAP NEOPRENE FLASHING OVER -----BOTTOM URETHANE SEAL - NEW NEOPRENE MEMBRANE FLASHING SEALED TO NEOPRENE INNER SEAL L EXISTING PRECAST CONCRETE SEATING RISERS - NEW INVERSEAL INNER SEAL IN EXPANSION JOINT STEM OPENING - EXISTING STEEL PINS - EXISTING CONCRETE LEAVE OPEN AT END OF URETHANE RAKER BEAM SEAL TO ALLOW FOR WATER TO -----WEEP NEW PREMOLDED URETHANE SEAL AT -----NOTE: PERFORM WATER TEST ON NEOPRENE INNER SEAL BOTTOM OF EXPANSION JOINT TO ENSURE INNER SEAL IS WATER TIGHT AND LEAK FREE PRIOR TO INSTALLING URETHANE PREMOLD JOINT. EXPANSION JOINT WEEP DETAIL - PEDESTRIAN TRAFFIC COATING WEARING SURFACE COAT WITH BROADCAST AGGREGATE FINISH 4" MIN. WIDTH - PEDESTRIAN TRAFFIC COATING BASE DETAIL COAT COAT AND INTERMEDIATE COAT - PEDESTRIAN TRAFFIC COATING DETAIL COAT 2" MIN. EITHER SIDE OF JOINT FINISH A v.

5

1

6

- PREPARE CONCRETE SUBSTRATE

AND PRIME AS REQUIRED

- PEDESTRIAN TRAFFIC COATING WEARING SURFACE COAT WITH BROADCAST AGGREGATE FINISH

- PEDESTRIAN TRAFFIC COATING BASE COAT AND INTERMEDIATE COAT - PREPARE CONCRETE SUBSTRATE AND PRIME AS REQUIRED

4

 \sim EXISTING CRACKS > 1/16 IN. WIDE TO BE ROUTED AND SEALED. SIMILAR DETAIL FOR CRACKS < 1/16 IN. WIDE EXCEPT ROUTING AND SEALING NOT NOTES: REQUIRED. 1. ROUT ALL EXISTING CRACKS USING GRINDER OR CRACK CHASER TO PROVIDE A SQUARE OR RECTANGULAR JOINT

URETHANE SEALANT

- BOND BREAKER TAPE

- PROFILE.
- DIMENSION 'A' SHALL BE NO LESS THAN 1/4 IN. AND NO GREATER THAN 1/2 IN.
 DIMENSION 'B' SHALL BE EQUAL TO 3/8 IN.

6 <u>TYPICAL CRACK REPAIR</u>

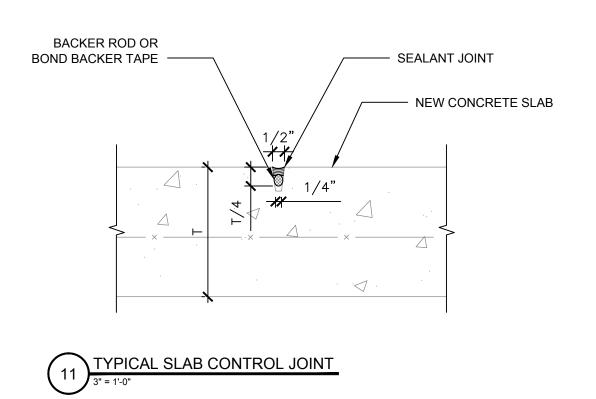
- RAIL POST - URETHANE SEALANT POST EMBEDDED IN CONCRETE OR THREAD-TYPE SLEEVE ANCHORAGE

TYPICAL URETHANE MEMBRANE COATING DETAIL

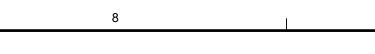
4

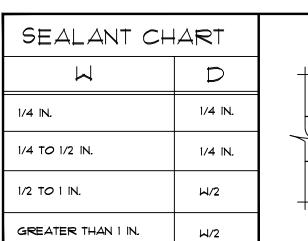
5

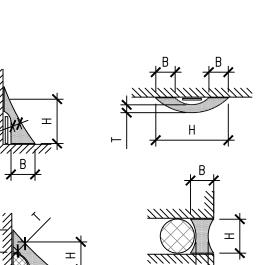
3

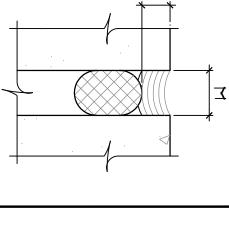


6



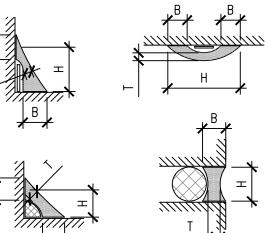


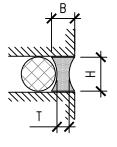




D

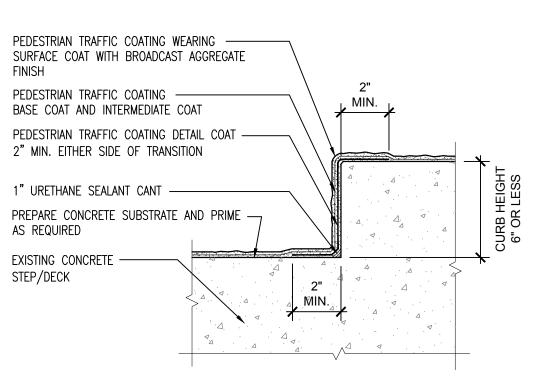
10





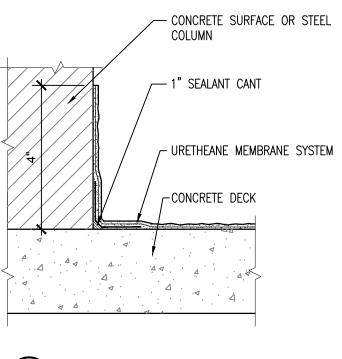
B = BOND LINE - MIN. 3/8" ON CONCRETE, STUCCO, OR MASONRY– MIN. 1/4" ON METAL OR GLASS T = SEALANT THICKNESS – MIN. 1/8" TO 3/8" FOR SILICONE SEALANTS - MIN. 1/4" TO 1/2" FOR URETHANE SEALANTS GENERAL SEALANT BEAD PROFILE – PROVIDE AN "HOURGLASS" PROFILE WHERE POSSIBLE (B>T) – PROVIDE MIN. 2:1 LENGTH TO THICKNESS RATIO (H:T)

TYPICAL SEALANT JOINT PROFILES

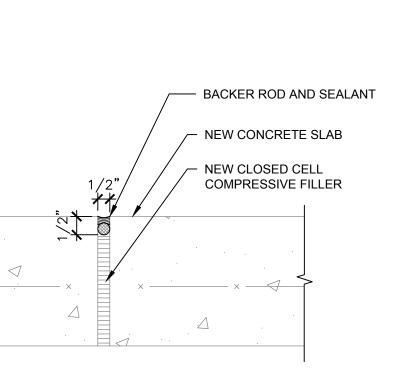


7 TYPICAL CONCRETE STEP DETAIL

STEP/DECK

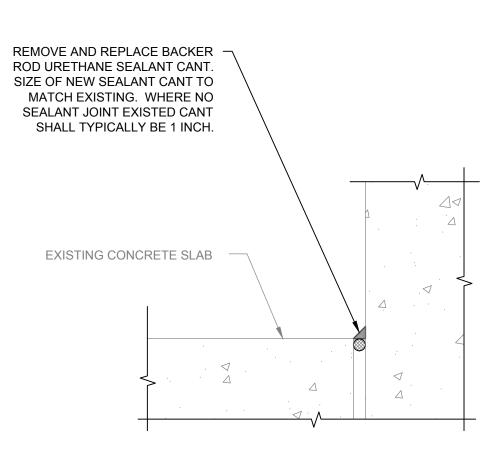






8

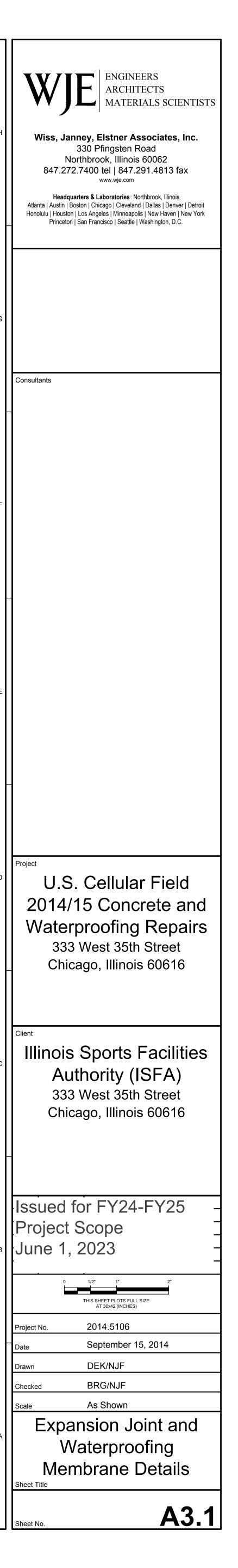
12 TYPICAL SLAB CONSTRUCTION JOINT

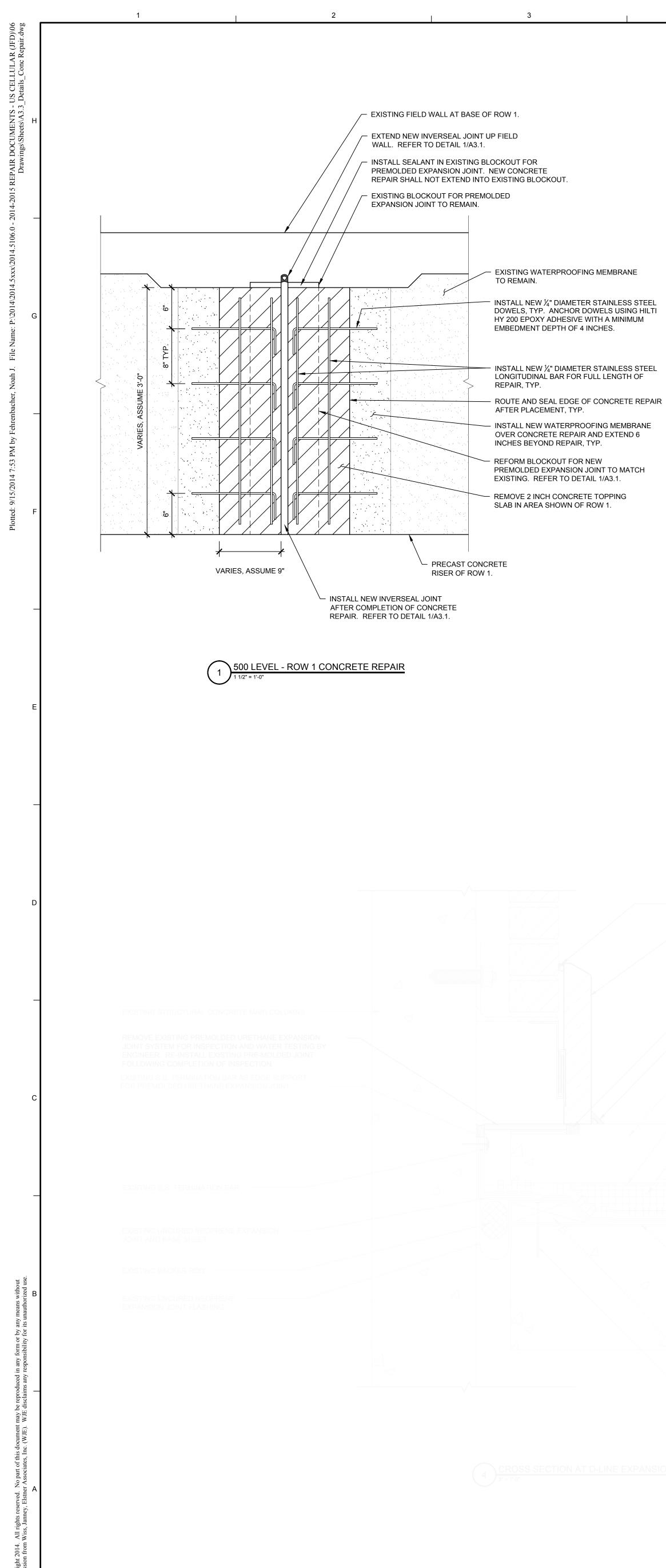


13 SEALANT COVE JOINT AT CONCOURSE OR EXTERIOR PERIMETER

9

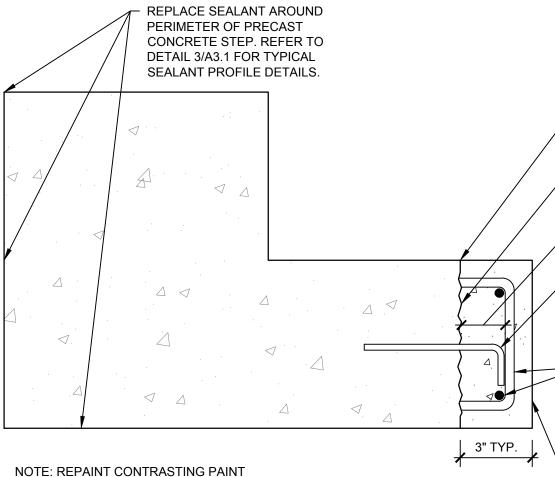
10





2

1



5

1

4

NOTE: REPAINT CONTRASTING PAINT STRIPE ALONG LEADING EDGE OF TREAD TO MATCH EXISTING WHERE REMOVED DURING CONCRETE REMOVAL.

TYPICAL VERTICAL SURFACE CONCRETE REPAIR

1

- ½" DEEP SAW CUT EDGE. AVOID CUTTING

6

REINFORCING STEEL, TYP. - ROUGHEN SURFACE OF EXISTING CONCRETE TO ¼" MIN. AMPLITUDE AND REMOVE ALL LOOSE CONCRETE.

1

PROVIDE ³/₄" MIN. CLEARANCE BEHIND EXISTING REINFORCING STEEL

 $^-$ INSTALL NEW $m ^{\prime _{4}}$ " DIAMETER STAINLESS STEEL DOWELS AT APPROXIMATELY 8 INCHES ON CENTER OR AS DIRECTED BY ENGINEER. ANCHOR DOWELS USING HILTI HY 200 EPOXY ADHESIVE WITH A MINIMUM EMBEDMENT DEPTH OF 4 INCHES.

- SANDBLAST CLEAN EXISTING REINFORCING STEEL. EPOXY COAT STEEL WITH 3 COATS OF EPOXY PAINT DUE TO SHALLOW COVER. NOTIFY ENGINEER IF SIGNIFICANT SECTION LOSS IS OBSERVED AT EXISTING REINFORCING STEEL. SUPPLEMENT OR REMOVE EXISTING REINFORCING STEEL AS DIRECTED BY ENGINEER.

– REMOVE EXISTING CONCRETE TO PROVIDE ³/₄" MINIMUM CLEARANCE BEHIND EXISTING REINFORCING STEEL

EXISTING HOLLOW CORE PLANK TO REMAIN. EXISTING PRECAST

8

SPANDREL BEAM TO





5

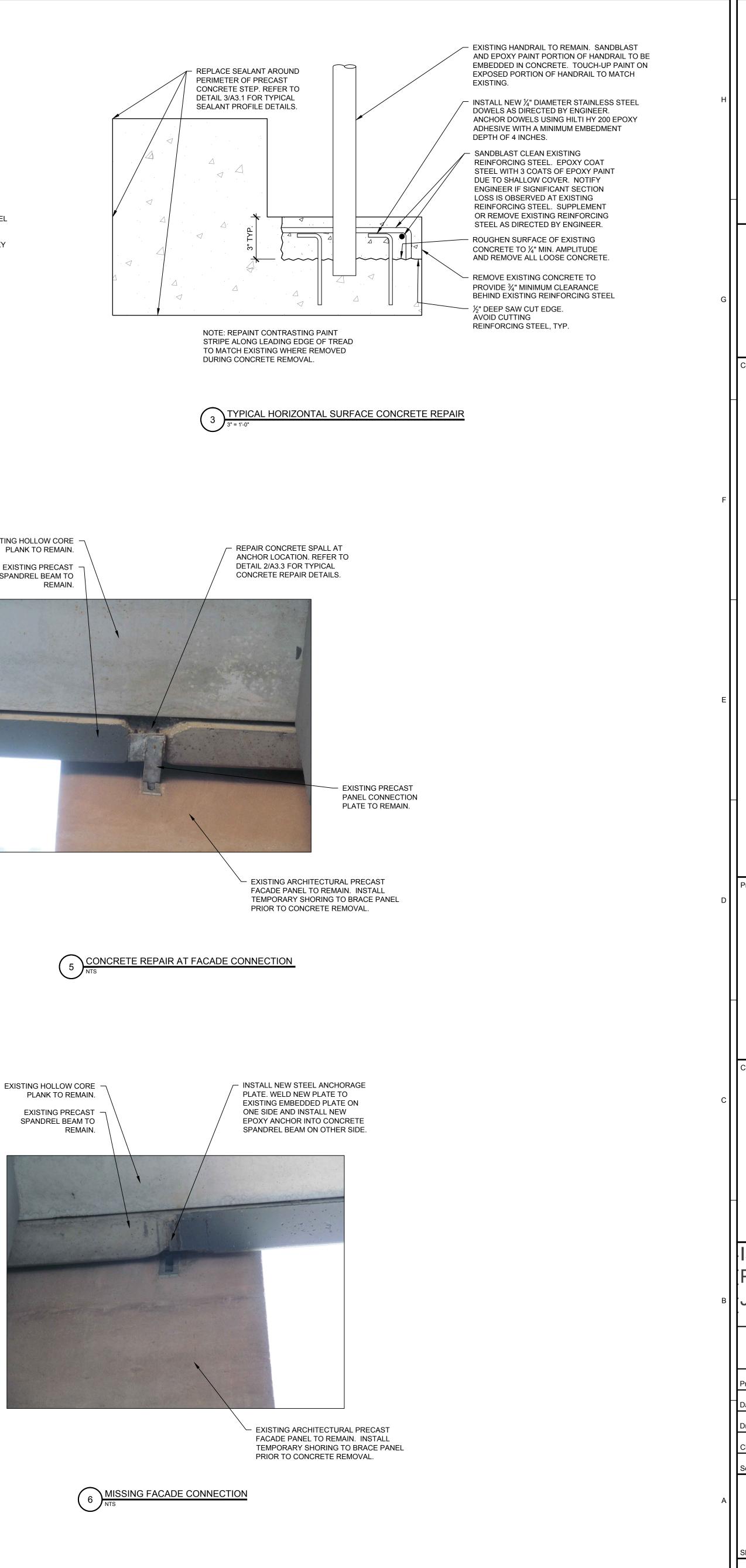
4

3



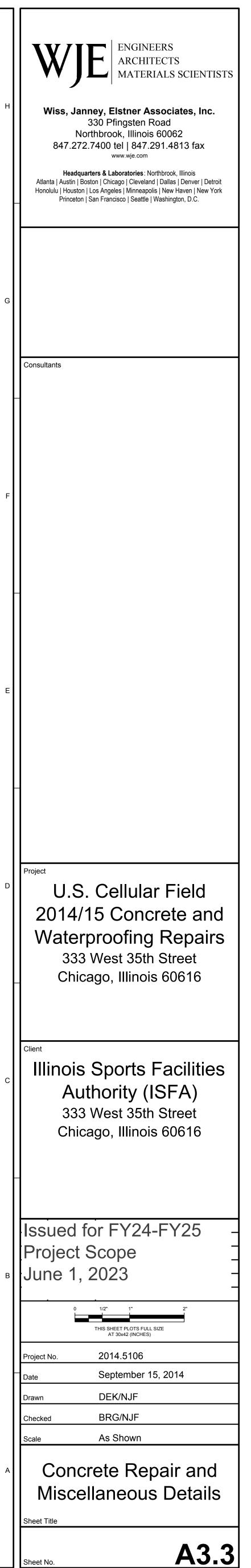
8

6



9

10



10