M&T Bank Stadium

2019 Expansion Joints Restoration Trials Baltimore, Maryland

PREPARED BY



DRAWING INDEX

001 Title Sheet, Drawing Index and General Notes

101A Main Concourse - Quadrant A

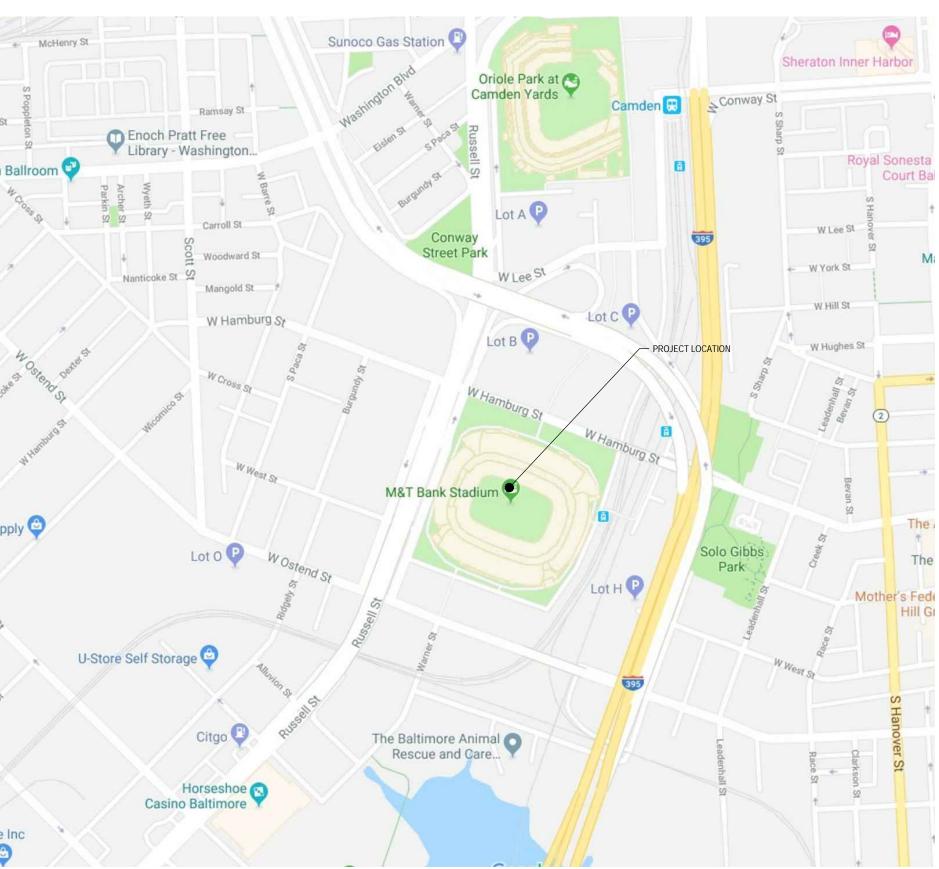
101B Main Concourse - Quadrant B

Upper & Upper Suite Levels Concourses Partial Plans

Concrete and Subsurface Membrane Repair Details

902 Sealant Details

903 Expansion Joint Repair Details





GENERAL NOTES

CODES

ALL WORK SHALL CONFORM TO THE MARYLAND BUILDING CODE, ALL LOCAL AND ALL OSHA REQUIREMENTS.
CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS.

PROJECT MAN

1. A SEPARATELY BOUND PROJECT MANUAL, DATED APRIL, 2019 EXISTS AND IS PART OF THE CONTRACT DOCUMENTS. SUBSTANTIAL BIDDING, GENERAL CONDITIONS AND TECHNICAL INFORMATION AND REQUIREMENTS ARE INCLUDED IN THE PROJECT MANUAL, CLEARLY ORGANIZED AND DESCRIBED IN SECTIONS CONSISTENT WITH NORMALLY ACCEPTED CONSTRUCTION SPECIFICATION INSTITUTE FORMATS. CONTRACTOR IS TOTALLY RESPONSIBLE FOR ALL REQUIREMENTS OF THIS PROJECT LISTED IN THE PROJECT MANUAL, BUT NOT NECESSARILY INCLUDED ON DRAWINGS.

EXISTING CONDITIONS AND COORDINATION

1. VERIFY ALL EXISTING DIMENSIONS AND BE AWARE OF ALL EXISTING CONDITIONS WHICH RELATE TO THE WORK.

WORK AREA DUST AND DEBRIS CONTROL AND REMOVAL

- FURNISH ALL SIGNAGE REQUIRED TO CLEARLY ESTABLISH THE WORK AREAS AS RESTRICTED AND OFF LIMITS.
- FURNISH ALL SIGNAGE (AND ALL OTHER NECESSARY MEASURES) TO SAFELY REROUTE STADIUM PERSONNEL AND PATRONS AROUND WORK AREAS.
- 3. PROVIDE DUST AND DEBRIS CONTROL MEASURES TO ENSURE ALL DUST AND DEBRIS ETC. GENERATED BY THE WORK REMAINS WITHIN THE WORK AREA AND DOES NOT POSE HAZARDOUS OR OBJECTIONABLE CONDITIONS FOR STADILIM PATRONS AND WORKERS
- 4. DISPOSE OF ALL DEBRIS OFF SITE IN A LAWFUL MANNER.

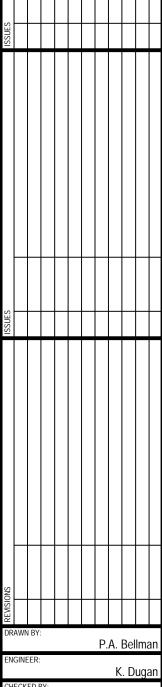
SAFE

- IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 2. THE DUTY OF THE ENGINEER TO CONDUCT CONSTRUCTION REVIEW OF CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF ADEQUACY OF CONTRACTOR'S SAFETY MEASURES IN, ON, OR NEAR THE CONSTRUCTION SITE.

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Cincinnati Cleveland

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M&T Bank Stadium
Expansion Joints
Restoration Trials

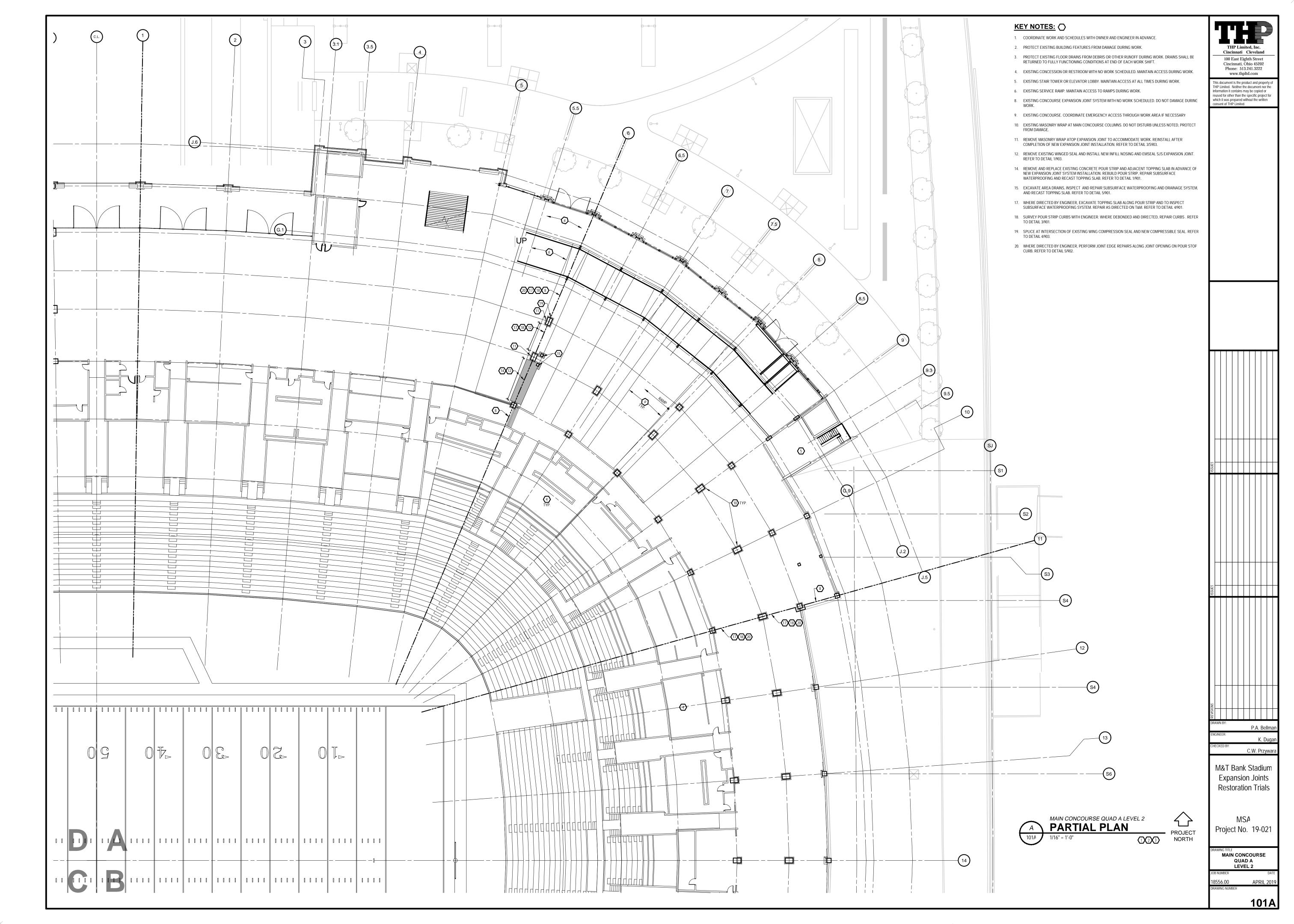
C.W. Przywara

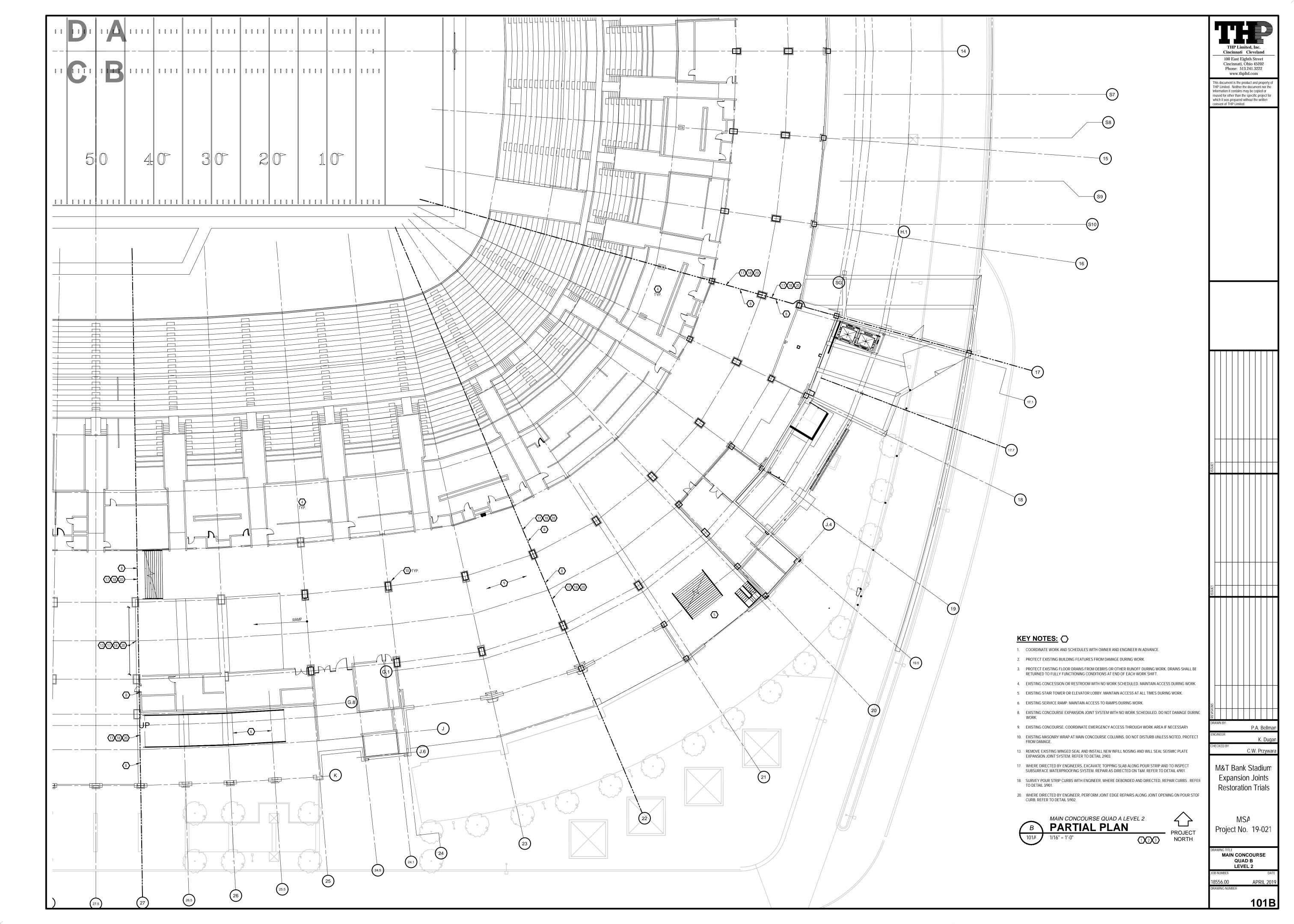
MSA Project No. 19-021

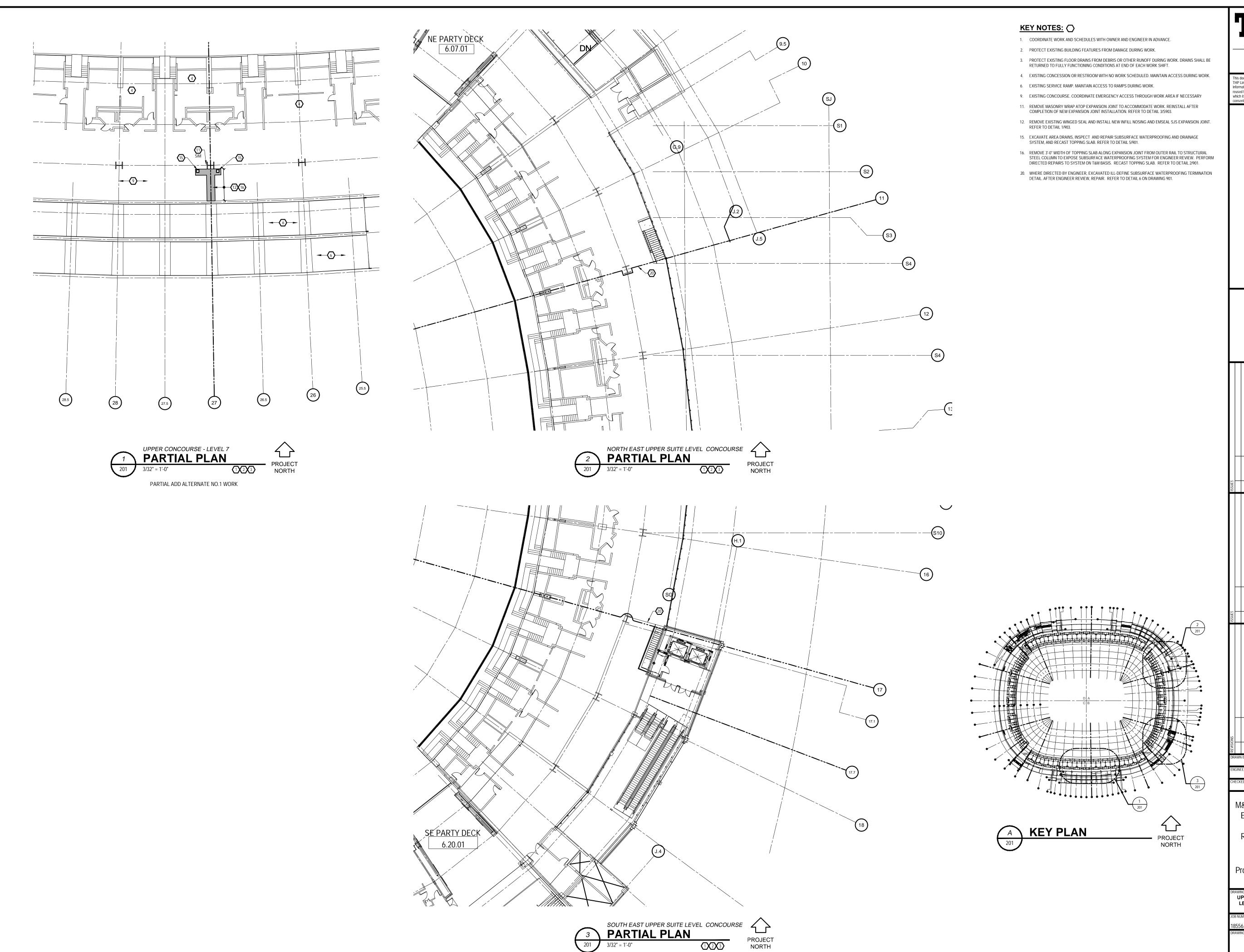
TITLE SHEET, DRAWING INDEX, AND GENERAL NOTES

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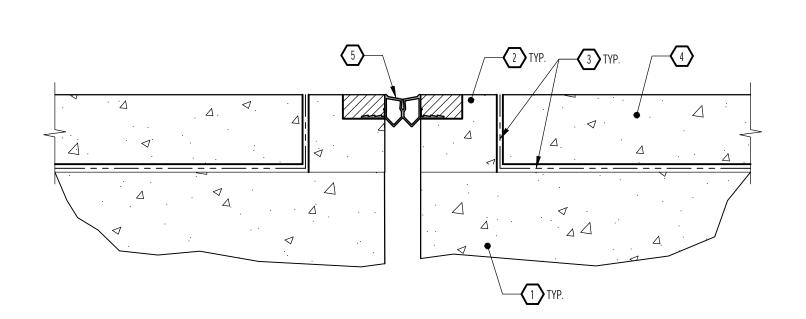
C.W. Przywara

M&T Bank Stadium **Expansion Joint** Systems Repair Package

Project No. 19-021

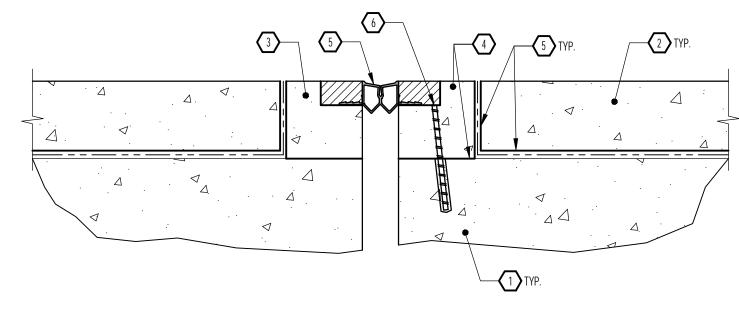
UPPER & UPPER SUITE LEVELS CONCOURSE PARTIAL PLANS

201



- 1 EXISTING STRUCTURAL SLAB.
- 2 EXISTING POUR STRIP CURB ALONG EXPANSION JOINT.
- (3) EXISTING SUBSURFACE WATERPROOFING SYSTEM.
- 4 EXISTING 3" TO 4" CONCRETE TOPPING SLAB.
- (5) EXISTING SURFACE WINGED SEAL EXPANSION JOINT SYSTEM.





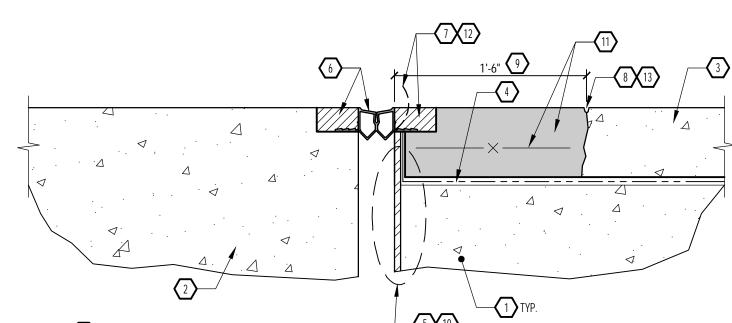
- 1 EXISTING STRUCTURAL SLAB.
- 2 EXISTING TOPPING SLAB.
- (3) EXISTING BONDED POUR STRIP CURB. NO WORK.
- 4 EXISTING DEBONDED POUR STRIP CURB. CONFIRM LOCATIONS WITH ENGINEER.
- $\langle 5 \rangle$ EXISTING WINGED SEAL EXPANSION JOINT SYSTEM. REMOVE AND DISCARD.
- 6 DRILL AND EPOXY SET 3/8" DIAMETER STAINLESS STEEL ALL THREAD RODS AT 1'-0" CENTERS 3" DEEP INTO STRUCTURAL SLAB. REFER TO SPECIFICATION 030100.



DEBONDED POOR STRIP CURB REPAIR

DETAIL

PAY UNIT PER DRILLED ANCHOR LOCATION



- 1 EXISTING CONCRETE SLAB.
- 2 EXISTING CONCRETE SLAB ON METAL DECK.
- (3) EXISTING 3" TO 4" TOPPING SLAB.
- 4 EXISTING SUBSURFACE WATERPROOFING SYSTEM.
- (5) ILL-DEFINED TERMINATION DETAIL TO BE VERIFIED.
- (6) EXISTING SURFACE WINGED SEAL EXPANSION JOINT SYSTEM. (7) CAREFULLY CHIP/REMOVE 2'-0" LENGTH OF NOSING WITHOUT DAMAGING WING OF EXISTING SLAB.
- PULL WING UP AND OUT OF WORK AREA.
- 8 1/2" DEEP SAWCUT PARALLEL TO EXPANSION JOINT 4'-0" LONG CENTERED AT THE NOSING REMOVAL
- 9 REMOVE AND DISCARD TOPPING SLAB.
- (10) EXPOSE DETAIL FOR ENGINEER REVIEW. PERFORM ANY DIRECTED SUBSURFACE WATERPROOFING SYSTEM REPAIRS ON T&M BASIS. REFER TO SPECIFICATION SECTION 071400.
- PROVIDE MESH REINFORCING AND NEW CONCRETE PATCH MATERIAL TYPE A OR C. REFER TO SPECIFICATION SECTION 030100.
- 412 AFTER ADEQUATE WIRE OF NEW CONCRETE PATCH MATERIAL, REINSTALL WING AND NOSING. REFER TO SPECIFICATION SECTION 079000.
- 413 AFTER ADEQUATE CURE OF NEW CONCRETE PATCH MATERIAL, PREPARE AND PROVIDE SEALANT.

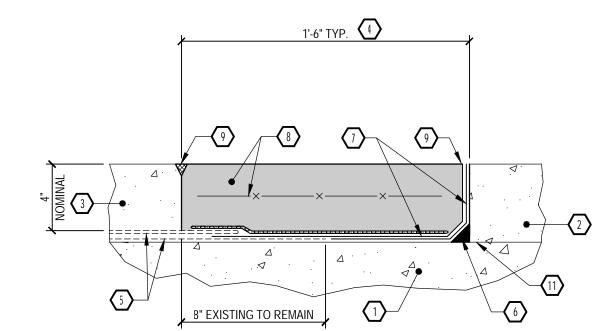
UPPER SUITE LEVEL CONCOURSE SUBSURFACE WATERPROOFING SYSTEM EXCAVATION

DETAIL

TYP. 6 13

- (6) 1/2" DEEP SAWCUT PARALLEL TO EXPANSION JOINT.
- 7 REMOVE EXISTING TOPPING SLAB, POUR STRIP CURB AND SURFACE EXPANSION JOINT SYSTEM
- 8 DRILL AND EPOXY SET 3/8" DIAMETER STAINLESS STEEL ALL THREAD RODS AT 1'-0" CENTERS 3" DEEP INTO STRUCTURAL SLAB. WIRE A CONTINUOUS #4 EPOXY COATED REBAR TO ALL THREAD WITH 1 1/2" COVER TO SURFACE. REFER TO SPECIFICATION SECTION 030100.
- 9 FORM AND CAST NEW POUR STRIP CURB. REFER TO SPECIFICATION SECTION 030100.
- (10) REPLACE EXISTING SUBSURFACE WATERPROOFING SYSTEM. INSTALL NEW WATERPROOFING SYSTEM TURN UP WITH COVE AT HORIZONTAL TO VERTICAL TRANSITION AFTER NEW POUR STRIP IS FULLY CURED. REFER TO DETAIL 4 ON DRAWING 901.
- DRILL 4" DEEP HOLES IN TOPPING SLAB AT 1'-6" CENTERS AT EACH SIDE OF EXCAVATION. CLEAN OUT HOLE AND SET 2'-0" LONG #4 REBAR IN HOLE WITH EPOXY. WIRE TWO (2) TRANSVERSE #4 REBAR TO UNDERSIDE OF DOWELS. REFER TO SPECIFICATION SECTION 030100.
- PREPARE SURFACES AND PROVIDE REPLACEMENT CONCRETE. REFER TO SPECIFICATION SECTION 030100. SLOPE CONCRETE SLIGHTLY AWAY FROM EXPANSION JOINT OPENING. TOOL TRANSVERSE JOINTS AT 4'-0" CENTERS, IN ALIGNMENT ON BOTH SIDES OF EXPANSION JOINT. PROVIDE BLOCKOUT FOR NEW SURFACE EXPANSION JOINT SYSTEM.
- (13) TOOL JOINT AT PERIMETER OF CONCRETE. AFTER ADEQUATE CURE OF NEW CONCRETE, PREPARE SURFACES AND PROVIDE NEW SEALANT. REFER TO DETAIL 6, DRAWING 902.
- 4 AFTER ADEQUATE CURE, REMOVE BLOCKOUT FORMING MATERIAL. SANDBLAST BLOCKOUT AND INSTALL NEW EMSEAL SJS EXPANSION JOINT SYSTEM. REFER TO DETAIL 1, DRAWING 903.

MAIN LEVEL CONCOURSE POUR STRIP CURB AND TOPPING SLAB REPAIR AT EXPANSION JOINT

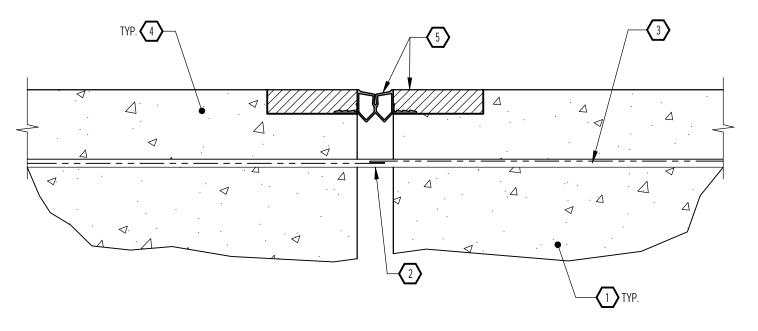


- 1 EXISTING CONCRETE SLAB.
- 2 EXISTING POUR STRIP CURB TO REMAIN.
- (3) EXISTING CONCRETE TOPPING SLAB OVER SUBSURFACE WATERPROOFING MEMBRANE TO REMAIN. DO
- (4) SAWCUT PARALLEL TO RAISED CURB AND CHIP/REMOVE 1'-6" WIDTH OF TOPPING SLAB FOR 3' LENGTH AS DIRECTED BY ENGINEER TO EXPOSE SUBSURFACE WATERPROOFING SYSTEM FOR REVIEWS.
- (5) EXISTING SUBSURFACE WATERPROOFING SYSTEM TO REMAIN. LEAVE MINIMUM 8" BONDED AND INTACT EXISTING MEMBRANE WITHIN EXCAVATION TO LAP NEW MEMBRANE. LEAVE 3" MINIMUM EXISTING
- PREPARE CONCRETE SURFACES AND PROVIDE NEW COVE AT HORIZONTAL-TO-VERTICAL TRANSITION. REFER TO SPECIFICATION SECTION 071400.
- 7 PREPARE CONCRETE SURFACES, BLOW CLEAN AND INSTALL NEW WATERPROOFING SYSTEM. LAP ONTO PREPARED EXISTING MEMBRANE AT MINIMUM 5". INSTALL NEW DRAINAGE MAT OVER EXISTING PROTECTION BOARD, MINIMUM 3". REFER TO SPECIFICATION SECTION 071400.
- 8 PROVIDE MESH REINFORCING AND NEW CONCRETE PATCH MATERIAL TYPE A OR C. REFER TO SPECIFICATIONS SECTION 030100.
- (9) AFTER ADEQUATE CURE OF NEW CONCRETE PATCH MATERIALS, PREPARE AND PROVIDE NEW SEALANT. REFER TO DETAIL 6, DRAWING 902.

CONCRETE AND SUBSURFACE MEMBRANE REPAIRS AT POUR STRIP CURB NO SCALE

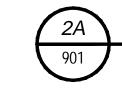
DETAIL

PAY UNIT PER LOCATION (3' LENGTH) AND SUBSURFACE WATERPROOFING SYSTEM REPAIRS

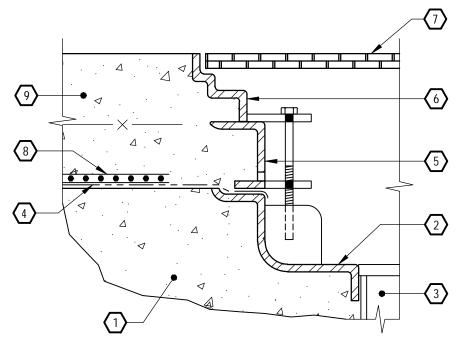


- 1 EXISTING STRUCTURAL SLAB.
- 2 ILL-DEFINED SUBSURFACE WATERPROOFING SYSTEM OVER EXPANSION JOINT.
- (3) EXISTING SUBSURFACE WATERPROOFING SYSTEM.
- EXISTING 3" TO 4" CONCRETE TOPPING SLAB.

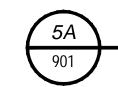
(5) EXISTING SURFACE WINGED SEAL EXPANSION JOINT SYSTEM.



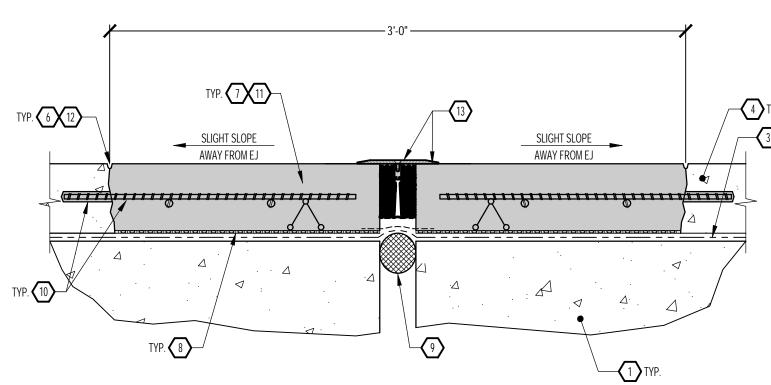
EXISTING UPPER LEVEL EXPANSION JOINT CONDINTIONS **DETAIL**



- 1 EXISTING STRUCTURAL SLAB.
- 2 EXISTING DRAIN BODY CAST INTO STRUCTURAL SLAB.
- (3) EXISTING DRAIN PIPE.
- 4 EXISTING SUBSURFACE WATERPROOFING MEMBRANE. MEMBRANE TERMINATES ON
- 5 EXISTING DRAIN CLAMPING RING.
- 6 EXISTING DRAIN GRATE CLAMPING RING.
- 7 EXISTING DRAIN GRATE.
- 8 EXISTING DRAINAGE MAT TYPICALLY TERMINATED PRIOR TO DRAIN ASSEMBLY.
- (9) CONCRETE TOPPING SLAB WITH WELDED WIRE MESH REINFORCING CAST TIGHT TO



EXISTING DRAIN CONDITION **DETAIL**

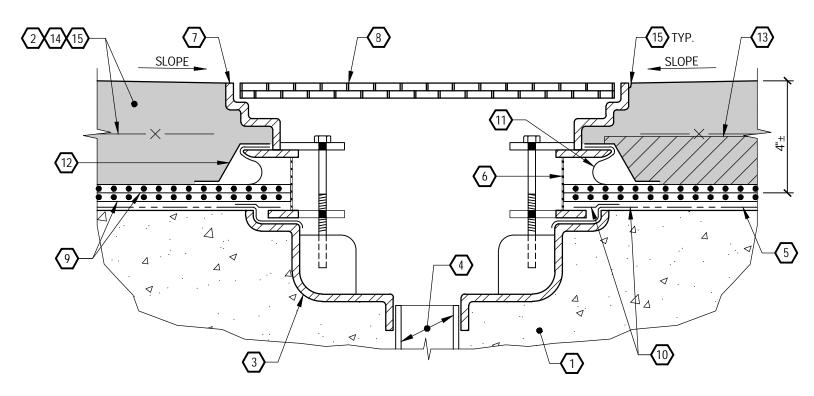


- (6) 1/2" DEEP SAWCUT PARALLEL TO EXPANSION JOINT.
- REMOVE EXISTING TOPPING SLAB CONCRETE AND SURFACE EXPANSION JOINT SYSTEM AND DISCARD.
- (8) EXPOSE EXISTING SUBSURFACE WATERPROOFING SYSTEM FOR OWNER INSPECTION. REPAIR AS DIRECTED ON T&M BASIS. LEAVE 6" BONDED AND INTACT EXISTING MEMBRANE WITHIN EXCAVATION TO LAP NEW MEMBRANE.
- (9) IF DIRECTED, INSTALL OVERSIZED BACKER ROD, THEN INSTALL UNCURED NEOPRENE SHEET FLASHING SYSTEM EMBEDDED IN NEW WATERPROOFING SYSTEM PER MANUFACTURERS RECOMMENDATIONS ON T&M BASIS. DISCONTINUE DRAINAGE BOARD AT BOTH SIDES OF EXPANSION JOINT, BUT INSTALL AND SPOT ADHERE A 12" WIDE STRIP OF FILTER FABRIC ACROSS EXPANSION JOINT. REFER TO SPECIFICATION SECTION 071400.
- DRILL 4" DEEP HOLES IN TOPPING SLAB AT 24" CENTERS AT EACH SIDE OF EXCAVATION. CLEAN OUT HOLE AND SET 2'-0" LONG #4 REBAR IN HOLE WITH EPOXY. WIRE TWO (2) TRANSVERSE #4 REBAR TO UNDERSIDE OF DOWELS. REFER TO SPECIFICATION SECTION 030100.
- PREPARE SURFACES AND PROVIDE REPLACEMENT CONCRETE. REFER TO SPECIFICATION SECTION 030100. SLOPE CONCRETE SLIGHTLY AWAY FROM EXPANSION JOINT OPENING. TOOL TRANSVERSE JOINTS AT 4'-0" CENTERS, IN ALIGNMENT ON BOTH SIDES OF EXPANSION JOINT. PROVIDE BLOCKOUT FOR NEW SURFACE EXPANSION JOINT SYSTEM.
- 12 TOOL JOINT AT PERIMETER OF CONCRETE. AFTER ADEQUATE CURE OF NEW CONCRETE, PREPARE SURFACES AND PROVIDE NEW SEALANT. REFER TO DETAIL 6, DRAWING 902.
- 43 AFTER ADEQUATE CURE, REMOVE BLOCKOUT FORMING MATERIAL. SANDBLAST BLOCKOUT AND INSTALL NEW EMSEAL SJS EXPANSION JOINT SYSTEM. REFER TO DETAIL 1, DRAWING 903.

UPPER LEVEL CONCOURSE TOPPING STRIP REPAIR AT EXPANSION JOINT DETAIL



SUBSURFACE WATERPROOFING REPAIRS T&M ADD ALTERNATE NO.1



- 1 EXISTING STRUCTURAL SLAB.
- (2) EXISTING TOPPING SLAB AND REINFORCING TO BE REMOVED IN 4'-0" x 4'-0" SQUARE CENTERED ON DRAIN. ORIENT SIDES OF SAWCUT PARALLEL TO EXISTING BUILDING FEATURES. REINFORCING SHALL BE CUT-OUT, SALVAGED, AND REINSTALLED PRIOR TO PLACING NEW CONCRETE PATCH
- (3) EXISTING DRAIN BODY CAST INTO STRUCTURAL SLAB.
- 4 EXISTING DRAIN PIPE. INSTALL PLUMBER'S PLUG DURING WORK ONLY AT OCCUPIED WORK AREAS. REMOVE PLUG EACH EVENING PRIOR TO LEAVING SITE.
- (5) EXISTING SUBSURFACE WATERPROOFING MEMBRANE. MEMBRANE TERMINATES ON DRAIN BODY. DO NOT DAMAGE.
- 6 EXISTING DRAIN RING WITH PERFORATED METAL SCREEN.
- (7) EXISITNG DRAIN GRATE CLAMPING RING. REMOVE RING ONLY IF NEEDED TO FACILITATE REPAIRS, STORE AND REINSTALL AT COMPLETION OF WORK. REPLACE BOLTS WITH LONGER GALVANIZED
- 8 EXISTING DRAIN GRATE. REMOVE GRATE, STORE AND REINSTALL AT COMPLETION OF WORK.
- (9) NEATLY CUT-BACK EXISTING DRAINAGE MAT TO ACCOMMODATE FLASHING DETAIL PER NOTE 10. PROVIDE NEW DRAINAGE MAT INSTALLED TIGHT TO PERFORATED METAL SCREEN. PROVIDE SECOND LAYER OF DRAINAGE MAT TIGHT TO PERFORATED SCREEN AND EXTEND 12" MINIMUM BEYOND EDGES OF PERFORATED SCREEN.
- (10) CAREFULLY CLEAN EXISTING MEMBRANE AND INSTALL NEW MEMBRANE SYSTEM AT INTERFACE OF LOWER BOWL AND EXISTING MEMBRANE SYSTEM. TOUCH-UP ANY OTHER AREAS WHERE EXISTING MEMBRANE WAS DAMAGED DURING DEMOLITION USING SAME MATERIAL.
- PROVIDE NEW WOVEN FILTER FABRIC FROM NEW DRAINAGE MAT EXTENDING UP AND OVER EXPOSED PORTIONS OF PERFORATED SCREEN AND FASTEN TO UPPER CASTING OF DRAIN BODY.
- PROVIDE BOND-BREAKER TAPE OR OTHER MATERIAL TO ACT AS POUR STOP OF NEW CONCRETE PLACEMENT AND TO PREVENT CONCRETE FROM CONTACTING PERFORATED METAL SCREEN WHEN CASTING NEW TOPPING SLAB.

(15) TOOL NEW JOINTS IN CONCRETE AT DRAIN CASTING PERIMETER AND PERIMETER OF EXCAVATION

REPAIR. AFTER ADEQUATE CURING, PREPARE JOINTS, PRIME, AND INSTALL NEW SEALANT SIMILAR

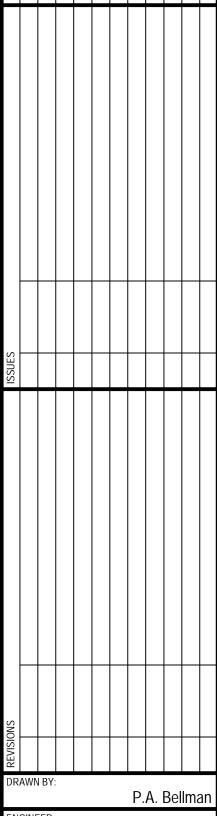
PROVIDE MESH REINFORCING AND NEW CONCRETE PATCH MATERIAL, TYPE A OR TYPE C. CAST TIGHT TO DRAIN ASSEMBLY. REFER TO SPECIFICATION SECTION 030100.

(13) WHERE APPROPRIATE, INSTALL NEW 2" THICK RIGID INSULATION TO MATCH EXISTING.

TO DETAIL 6 ON DRAWING 902. CONCOURSE DRAIN REPAIR

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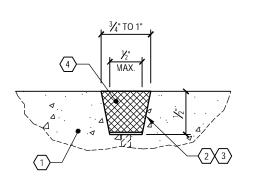
Project No. 19-021

CONCRETE AND SUBSURFACE MEMBRANE REPAIR DETAILS

AWING NUMBER

NOT FOR BIDDING PURPOSES

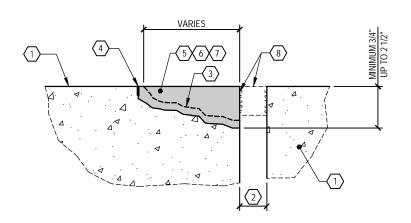
SHOWN FOR REFERENCE ONLY,



- 1 EXISTING CONCRETE TOPPING SLAB.
- 2) CUT OUT ALL EXISTING JOINT SEALANTS IF PRESENT, THEN GRIND SURFACES TO REMOVE SEALANT RESIDUE AND SLOPE SIDE SURFACES AS SHOWN. PROVIDE A MINIMUM WIDTH TO DEPTH RATIO OF 1-1/2.
- PREPARE ALL SURFACES INTENDED FOR NEW SEALANT. REFER TO SPECIFICATION SECTION 079200.
- PRIME SUBSTRATE AND PROVIDE NEW SEALANT. INSTALL SEALANT CONCAVE WITH ADJOINING SURFACE. REFER TO SPECIFICATION SECTION 079200.



TYPICAL CONSTRUCTION JOINT



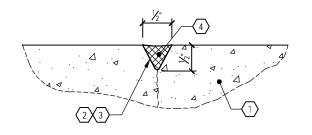
- 1) EXISTING CONCRETE TOPPING SLAB FLOOR.
- 2 POTENTIAL EXISTING JOINT OPENING OR CONSTRUCTION JOINT.
- 3 EXISTING DELAMINATION PLANE.
- 4 GRIND OR SAWCUT 3/4" VERTICAL EDGE AT PERIMETER OF DETERIORATED CONCRETE.
- (5) REMOVE ALL SOUND AND UNSOUND CONCRETE WITHIN SAWCUT AREA. REFER TO SPECIFICATION SECTION 030100.
- 6) PREPARE CAVITY SURFACES AND BLOWOUT WITH OIL AND WATER FREE COMPRESSED AIR JUST PRIOR TO REPAIR MATERIAL INSTALLATION. REFER TO SPECIFICATION SECTION 030100.
- 7 PROVIDE CONCRETE REPAIR MATERIAL. REFER TO SPECIFICATION SECTION 030100.
- (8) WHERE REPAIR EXISTS AT EXPANSION JOINT OPENING, AFTER ADEQUATE CURE OF REPAIR MATERIAL, PREPARE VERTICAL SURFACE FOR NEW JOINT SEAL INSTALLATION. REFER TC DETAILS ON DRAWING 903.



CONCRETE JOINT EDGE REPAIR

DETAIL

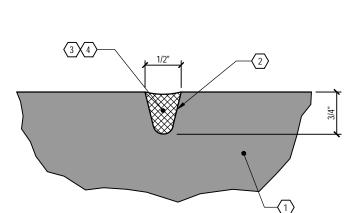
PAY UNIT PER LINEAR FOOT



- 1 EXISTING CONCRETE TOPPING SLAB.
- ROUT CRACKS PER SPECIFICATION SECTION 079200 IN A "V" CONFIGURATION, MINIMUM OF ½" WIDE x½" DEEP, OR WHEN THE ½" DIMENSION IS INSUFFICIENT, USE A MINIMUM WIDTH TO DEPTH RATIC
- PREPARE ALL SURFACES INTENDED FOR NEW SEALANT. REFER TO SPECIFICATION SECTION 079200.
- PRIME SUBSTRATE AND PROVIDE NEW SEALANT. INSTALL SEALANT CONCAVE WITH ADJOINING SURFACE. REFER TO SPECIFICATION

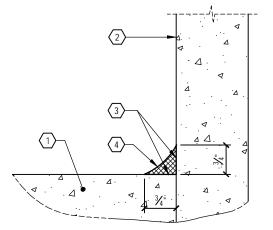


TYPICAL RANDOM CRACK



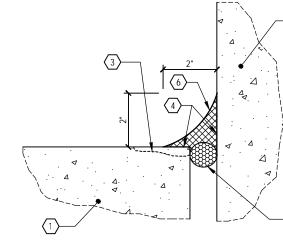
- NEW CONTROL JOINT TOOLED IN NEWLY PLACED CONCRETE. REFER TO SPECIFICATION SECTION 030100.
- TO REMOVE DUST, LIGHTLY GRIND SIDE FACES OF JOINT AND BLOW OUT GROOVE WITH COMPRESSED AIR IMMEDIATELY PRIOR TO PRIMER INSTALLATION.
- PRIME SUBSTRATE AND PROVIDE NEW SEALANT INSTALLED FLUSH WITH ADJOINING SURFACES BENEATH MEMBRANE, AND CONCAVE ELSEWHERE. REFER TO SPECIFICATION SECTION 079200.





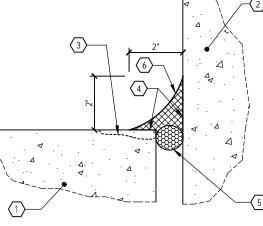
- 1 EXISTING CONCRETE SLAB.
- 2 EXISTING WALL, CURB OR ANY OTHER VERTICAL PROJECTION.
- PREPARE ALL SURFACES INTENDED FOR NEW SEALANT. INSTALL SEALANT CONCAVE WITH ADJOINING SURFACE. REFER TO SPECIFICATION SECTION 079200.
- COVE SEALANT. PROVIDE MINIMUM ½" THROAT. INSTALL PER DIMENSIONS UNLESS NOTED OTHERWISE. REFER TO SPECIFICATION SECTION 079200.





- 2 EXISTING WALL.
- 4 PREPARE ALL SURFACES INTENDED FOR NEW SEALANT. INSTALL SEALANT CONCAVE WITH ADJOINING SURFACE. REFER TO SPECIFICATION SECTION 079200.
- 5 OVERSIZED BACKER ROD.
- 6 OVERSIZED COVE SEALANT. INSTALL PER DIMENSIONS UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION SECTION 079200.





1 EXISTING CONCRETE SLAB.

3 CONCRETE REPAIRS IF NECESSARY. REFER TO DETAIL 2 ON DRAWING 3.0.

OVERSIZE PERIMETER WALL COVE

P.A. Bellma

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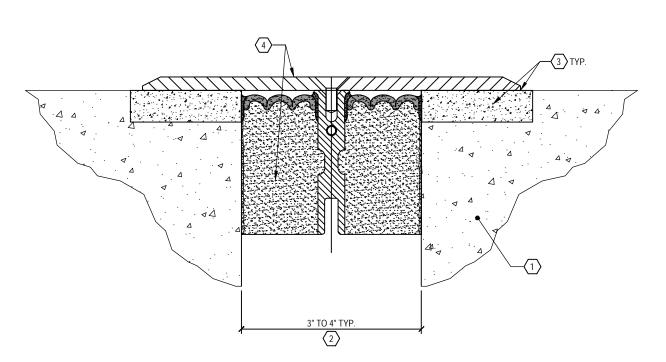
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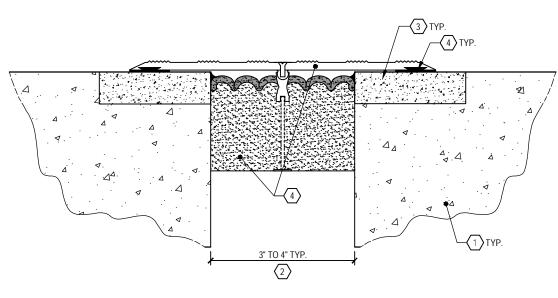
Project No. 19-021

SEALANT DETAILS



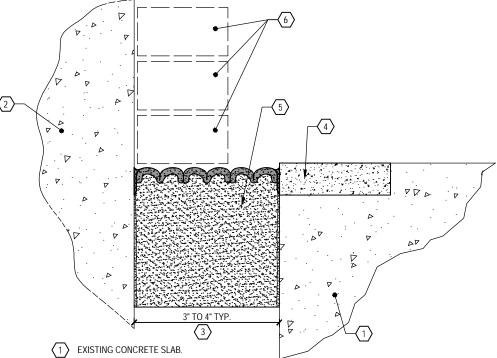
- (1) EXISTING CONCRETE SLAB OR BONDED POUR STRIP CURB.
- EXISTING JOINT THROAT WIDTH, CONTRACTOR TO FIELD VERIFY PRIOR TO BID AND CONSULT WITH MANUFACTURER TO ENSURE PROPER EXPANSION JOINT SIZE
- PREPARE BLOCK OUT AND INSTALL NEW NOSING MATERIAL TO PROVIDE EVEN BEARING OF NEW COVER PLATE SYSTEM. REFER TO SPECIFICATION SECTION 079000.
- PROVIDE NEW COMPRESSIBLE EXPANSION JOINT SYSTEM WITH INTEGRAL COVER PLATE. REFER TO SPECIFICATION SECTION 079000.



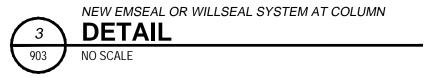


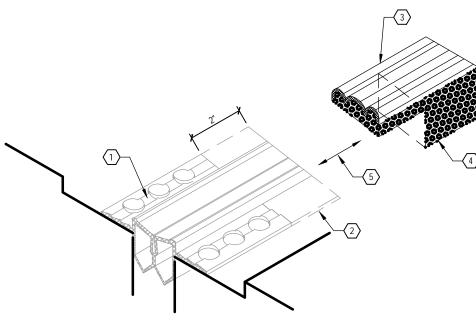
- 1 EXISTING CONCRETE SLAB.
- EXISTING JOINT THROAT WIDTH, CONTRACTOR TO FIELD VERIFY PRIOR TO BID AND CONSULT WITH MANUFACTURER TO ENSURE PROPER EXPANSION JOINT SIZE
- PREPARE BLOCKOUT AND INSTALL NEW NOSING MATERIAL. REFER TO SPECIFICATION SECTION 079000.
- PROVIDE NEW COMPRESSIBLE EXPANSION JOINT SYSTEM WITH HEAVY DUTY COVER PLATE. REFER TO SPECIFICATION SECTION 079000.
- ANTI VIBRATION DAMPENERS. ADJUST THICKNESS OF DAMPER OR GRIND NEW NOSING SURFACE TO ASSURE PLATE SITS FLUSH.

NEW WILLSEAL CONCOURSE SYSTEM

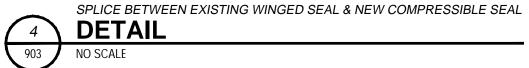


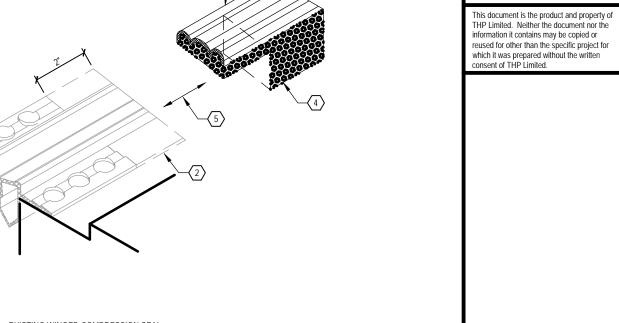
- 2 EXISTING CONCRETE COLUMN.
- 3 EXISTING JOINT THROAT WIDTH. CONTRACTOR TO FIELD VERIFY PRIOR TO BID AND CONSULT WITH MANUFACTURER TO ENSURE PROPER EXPANSION JOINT SIZE
- PREPARE BLOCKOUT AND INSTALL NEW NOSING MATERIAL. REFER TO SPECIFICATION SECTION 079000.
- PROVIDE NEW COMPRESSIBLE EXPANSION JOINT SYSTEM. REFER TO SPECIFICATION SECTION 079000.
- EXISTING BRICK WRAP AT NEW CONCOURSE COLUMNS. TEMPORARILY REMOVE LOWER COURSES OF BRICK TO ACCOMMODATE NEW EXPANSION JOINT INSTALLATION, SUPPORTING BRICK WRAP ABOVE AS NECESSARY. SALVAGE BRICK. REINSTALL TO MATCH ORIGINAL CONDITION AFTERWARDS.





- 1 EXISTING WINGED COMPRESSION SEAL.
- 2 REMOVE 2" OF WINGS OF COMPRESSION SEAL.
- NEW COMPRESSIBLE SEAL JOINT AT WALL. REFER TO DETAIL 4B,
- 4 REMOVE 2" OF END OF COMPRESSIBLE SEAL WHILE SEAL IS STILL IN FACTORY WRAP. DO NOT REMOVE TOP 1/4" OF SEAL AND FACTORY SILICONE CAP.
- PREPARE SURFACES AND INSTALL NEW COMPRESSIBLE SEAL TO OVERLAP EXISTING COMPRESSION SEAL AT CUT WINGS. SEAL TOP SURFACE INTERFACE WITH SILICONE. REFER TO SPECIFICATION SECTION 079000.





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M&T Bank Stadium **Expansion Joints Restoration Trials**

Project No. 19-021

EXPANSION JOINT REPAIR DETAILS

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