

\\ORL-SERVER\Projects\007\2017\17015-01 Knoxville Coliseum Garage C Repairs\Drawings\Revit Structure\007-17015-01 Knoxville Coliseum Garage C Repairs.rvt

# KNOXVILLE COLISEUM GARAGE C IMMEDIATE REPAIRS

## KNOXVILLE, TENNESSEE



SHEET LIST	
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S2.3	REPAIR DETAILS

WALTER P MOORE

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300 SOUTH ORANGE AVENUE, SUITE 1200  
ORLANDO, FLORIDA 32801.3332  
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Project Name:

KNOXVILLE  
COLISEUM  
GARAGE C  
IMMEDIATE  
REPAIRS

Client:

CITY OF  
KNOXVILLE

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CONSTRUCTION

No.	Date	REVISION

Designed by:	JB
Approved by:	RB
Drawn by:	AZ
Project Number:	D07-17015-01
Date	04/02/2018
Sheet Title:	

COVER SHEET

Sheet Title:

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SITE PLAN AND  
TASK ITEM LIST

Sheet Title:

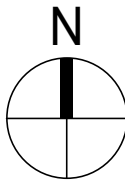
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GARAGE C

TASK ITEM LIST	
2.3	PARTIAL DEPTH CONCRETE SLAB REPAIR
2.4	FULL DEPTH CONCRETE SLAB REPAIR
2.8	CONCRETE WASH
3.1	OVERHEAD SLAB REPAIR
3.4	JOIST REPAIR
7.1	CRACK REPAIR
7.6	EPOXY INJECTION

REFER TO SPECIFICATION SECTION 01 10 00 FOR TASK ITEM DESCRIPTIONS



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SITE PLAN

NO SCALE

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GENERAL STRUCTURAL NOTES				WALTER P MOORE
				WALTER P. MOORE AND ASSOCIATES, INC. 300 SOUTH ORANGE AVENUE, SUITE 1200 ORLANDO, FLORIDA 32801.3332 PHONE: 407.418.2218 FAX: 407.418.2257
PART I - DESIGN CRITERIA	PART IV - SUBMITTALS (CONTINUED)	PART V - MISCELLANEOUS (CONTINUED)	PART V - MISCELLANEOUS (CONTINUED)	Project Name:
A. GENERAL BUILDING CODE  1. The Repair Documents are based on the requirements of the International Building Code 2009.	c. The omission from the shop drawings of any materials required by the Contract Documents to be furnished shall not relieve the Contractor of the responsibility of furnishing and installing such materials, regardless of whether the shop drawings have been reviewed and approved.	2. Existing construction shown on the drawings was obtained from existing construction documents and limited site observation. These drawings of existing construction are available for contractor use and shall be referenced for familiarization with existing conditions. However, the available drawings of existing construction are not necessarily complete. The contractor is responsible for being knowledgeable on information presented in available drawings and shall field verify all pertinent information.	F. CONTRACTOR SUBSTITUTIONS  1. Any materials or products submitted for approval that are different from the material or products specified in the structural contract documents will be considered for approval only if the following criteria are satisfied: a. A cost savings to the Owner is documented and submitted with the request. b. The material or product has been approved by the International Code Council (ICC) and the ICC report is submitted with the request. 1) The ICC ESR that is submitted must reference the building code under which the project is permitted. 2) ICC reports that have been discontinued at the time of product installation will not be accepted.	KNOXVILLE COLISEUM GARAGE C IMMEDIATE REPAIRS
PART II - NON-DESTRUCTIVE EVALUATION	C. REPRODUCTION  1. The use of electronic files or reproductions of these contract documents by any contractor, subcontractor, erector, fabricator, or material supplier in lieu of preparation of shop drawings signifies their acceptance of all information shown hereon as correct, and obligates themselves to any job expense, real or implied, arising due to any errors that may occur hereon.	3. Demolition, cutting, drilling, etc. of existing work shall be performed with great care so as not to jeopardize the structural integrity of the existing building. If any architectural, structural, or MEP members not designated for removal interfere with the new work, the Owner shall be notified immediately and approval obtained prior to removal of those members.	2. Submittals not satisfying the above criteria will not be considered.	
A. ITEMS EMBEDDED IN CONCRETE STRUCTURES  1. Items embedded in concrete structures shall not be damaged during repair work or installation of new members requiring post-installed anchors. Embedded items may include mild reinforcement, prestressing reinforcement, dowels, embedded connections, electrical conduits, plumbing, etc.  2. Items embedded in concrete shall be located by non-destructive evaluation prior to performing any work. Contractor shall mark on the structure the location of embedded items and provide a report to the Engineer.  3. Engineer may require a particular non-destructive evaluation method for the location of embedded items.	PART V - MISCELLANEOUS	4. The contractor shall safely shore existing construction wherever existing supports are removed to allow the installation of new work. All shoring methods and sequencing of demolition shall be the responsibility of the contractor and his engineer.	G. THE STRUCTURAL ENGINEER'S ROLE DURING CONSTRUCTION  1. The Engineer shall not have control nor charge of, and shall not be responsible for, construction means, methods, techniques, sequences, or procedures, for safety precautions and programs in connection with the work, for the acts or omission of the Contractor, Subcontractor, or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents.  2. Periodic site observation by field representatives of Walter P. Moore and Associates is solely for the purpose of becoming generally familiar with the progress and quality of the Work completed and determining, in general, if the Work observed is being performed in a manner indicating that the Work, when fully completed, will be in accordance with the repair contract documents. This limited site observation should not be construed as exhaustive or continuous to check the quality or quantity of the work, but rather periodic in an effort to guard the Owner against defects or deficiencies in the work of the Contractor.	
PART III - CONCRETE REPAIRS	A. CONTRACT DOCUMENTS  1. It is the responsibility of the Contractor to obtain all Contract Documents and latest addenda and to submit such documents to all subcontractors and material suppliers prior to the submittal of shop drawings, fabrication of any structural members, and erection in the field.  2. Contractor shall fully and properly implement the engineering controls, work practices, and respiratory protection against toxic and hazardous substances including respirable crystalline silica according to Occupational Safety and Health Administration, OSHA 1926.1153. Walter P Moore does not have control over, charge of, or responsibility for the construction means, methods, techniques, sequences or procedures, or for safety precautions and programs in connection with the Work, nor shall Walter P Moore be responsible for the Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents.  3. The contract structural drawings and specifications represent the repaired structure, and, except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.  4. Refer to drawings of existing facility (other than Repair drawings) for complete information including: Expansion joint systems, previous repairs performed in the facility, presence of post-tensioning, location and size of structural members (beams, columns, walls, etc.), slab thickness, and other information relevant to the project.  5. Where member locations are not specifically dimensioned, members are either located on columns lines or are equally spaced between located members.  6. If certain features are not fully shown or specified on the drawings or in the specifications, their construction shall be of the same character as shown or specified in similar conditions.	5. The contractor shall perform a survey to locate all existing utilities (including embedded utilities) prior to the start of construction and take care to protect utilities that are to remain in service. Existing civil, mechanical, electrical, plumbing, and emergency protection system servicing any areas outside the work area are to be maintained in operable condition throughout the duration of repairs. Contractor shall make necessary temporary connections to maintain existing utilities in service during the work. Temporary, localized interruption of these systems shall require approval by the Owner.	H. MAINTENANCE STATEMENT  1. All structures require periodic maintenance to extend lifespan and to ensure structural integrity from exposure to the environment. A planned program of maintenance shall be established by the building owner. This program shall include such items such as but not limited to painting of structural steel, protective coating for concrete, sealants, caulked joints, expansion joints, control joints, spalls and cracks in concrete, and pressure washing of exposed structural elements exposed to a salt environment or other harsh chemicals.	FOR BID ONLY  NOT FOR CONSTRUCTION
A. CONCRETE REPAIR MATERIALS  1. All concrete shall conform to the requirements as specified in Specification Section "Concrete Repair Materials."	3. The contract structural drawings and specifications represent the repaired structure, and, except where specifically shown, do not indicate the method or means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, and sequence.	6. The contractor shall provide dust, odor, and noise protection, and safety measures as necessary for the duration of repairs. Provide all measures necessary to protect the existing structure, building interior, vehicles, facility patrons, and other persons during construction. Such measures shall include, but not limited to temporary bracing, shoring, formwork, protective enclosures, and traffic controls.		
B. REINFORCING STEEL  1. All Reinforcing Steel shall be ASTM A 615 Grade 60 unless noted otherwise on the drawings or in these notes.	4. Refer to drawings of existing facility (other than Repair drawings) for complete information including: Expansion joint systems, previous repairs performed in the facility, presence of post-tensioning, location and size of structural members (beams, columns, walls, etc.), slab thickness, and other information relevant to the project.	7. The contractor shall perform a pre-construction condition survey to document site conditions prior to start of work. Submit survey to Owner and the Engineer. Document location and condition of any construction designated for removal and re-installation.		
C. REINFORCING STEEL COVERAGE  1. Reinforcing steel coverage should conform to the requirements specified on the drawings. Cover specified shall be considered minimum, however existing reinforcement may have a smaller cover than specified in drawing details. Concrete patches can be built up to provide the required cover as long as the patch appearance is acceptable to Owner and it does not represent a tripping hazard to pedestrians or a bump to vehicles. Cover in structural members not specified in the details shall conform to the requirements of ACI 318 unless specified otherwise on the drawings.	5. Where member locations are not specifically dimensioned, members are either located on columns lines or are equally spaced between located members.	8. The contractor shall repair all damage caused during construction with similar materials and workmanship to restore conditions to levels acceptable to the Owner.		
PART IV - SUBMITTALS	B. CONFLICTS IN STRUCTURAL REQUIREMENTS  1. Where conflict exists among the various parts of the repair contract documents, repair drawings, general notes, and specifications, the strictest requirements, as indicated by the Engineer, shall govern.	D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION  1. Repairs of structural elements of the project have been designed by the Structural Engineer to resist the required code vertical and lateral forces that could occur in the final repaired structure only. The ability of the structural frame to resist the required code forces derives from the complete installation of the repairs. It is the responsibility of the Contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the repair work is completely installed and all designated concrete elements (if any) have reached a minimum of 75% of their design strength.		
A. SUBMITTAL LIST AND SCHEDULE  1. The Contractor shall prepare a detailed list and schedule of all submittal items to be sent to the Structural Engineer prior to the start of construction. This list shall be updated and revised and kept current as the job progresses. The submittal list shall be organized as shown below: a. Shop Drawings b. Design Calculations c. Product Data, Certificates, Reports, and Other Literature	C. EXISTING CONDITIONS  1. The Contractor shall verify all dimensions and conditions of the existing building at the job site and report any discrepancies from assumed conditions shown on the drawings to <the Architect and> Engineer prior to the fabrication and erection of any members. Existing dimensions shown on the drawings are for general reference only and should not be used for final construction or detailing.	E. RESPONSIBILITY OF THE CONTRACTOR FOR CONSTRUCTION LOADS  1. The repairs have been designed for the loads identified within these repair drawings that are anticipated to be applied to the structure once repair work is completed. The Contractor shall not overload the structure during construction. The Contractor shall be responsible for checking the adequacy of the structure to support any applied construction loads, including those due to construction vehicles or equipment, material handling or storage, shoring or reshoring, or any other construction activity. The Contractor shall submit calculations signed and sealed by an engineer licensed in the state where the project is located verifying the adequacy of the structure for any proposed construction loads that are in excess of the stated design loads. The Structural Engineer is not responsible to design or check the structure for loads applied to the structure for any construction activity.	PART VI - DRAWING INTERPRETATION	
B. SUBMITTALS TO BE PROVIDED TO STRUCTURAL ENGINEER  1. Product Submittals: In addition to the submittals required by the project specifications, the following submittals shall be provided: a. Concrete Repair Materials. b. Epoxy Resin for Crack Injection.			A. DRAWING VIEWS LABELED AS "TYPICAL"  1. Partial plans, elevations, sections, details, or schedules labeled with "Typical" at the beginning of their title shall apply to all situations occurring on the project that are the same or similar to those specifically shown. The applicability of the content of these views to locations on the plan can be determined from the title of the views. Such views shall apply whether or not they are keyed in at each location. Decisions regarding applicability of these "Typical" views shall be determined by the Structural Engineer.	
				Designed by: JB
				Approved by: RB
				Drawn by: AZ
				Project Number: D07-17015-01
				Date 04/02/2018
				Sheet Title:
				GENERAL NOTES
				Sheet Title:
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KNOXVILLE  
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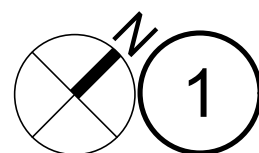
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## PLAN - LEVEL 5

NO SCALE

PLAN NOTES:

1. CONTRACTOR SHALL REMOVE AND REPLACE EXISTING GUTTER UNDERNEATH SLAB WHILE PERFORMING SLAB REPAIRS.

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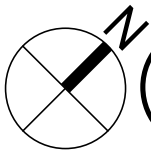
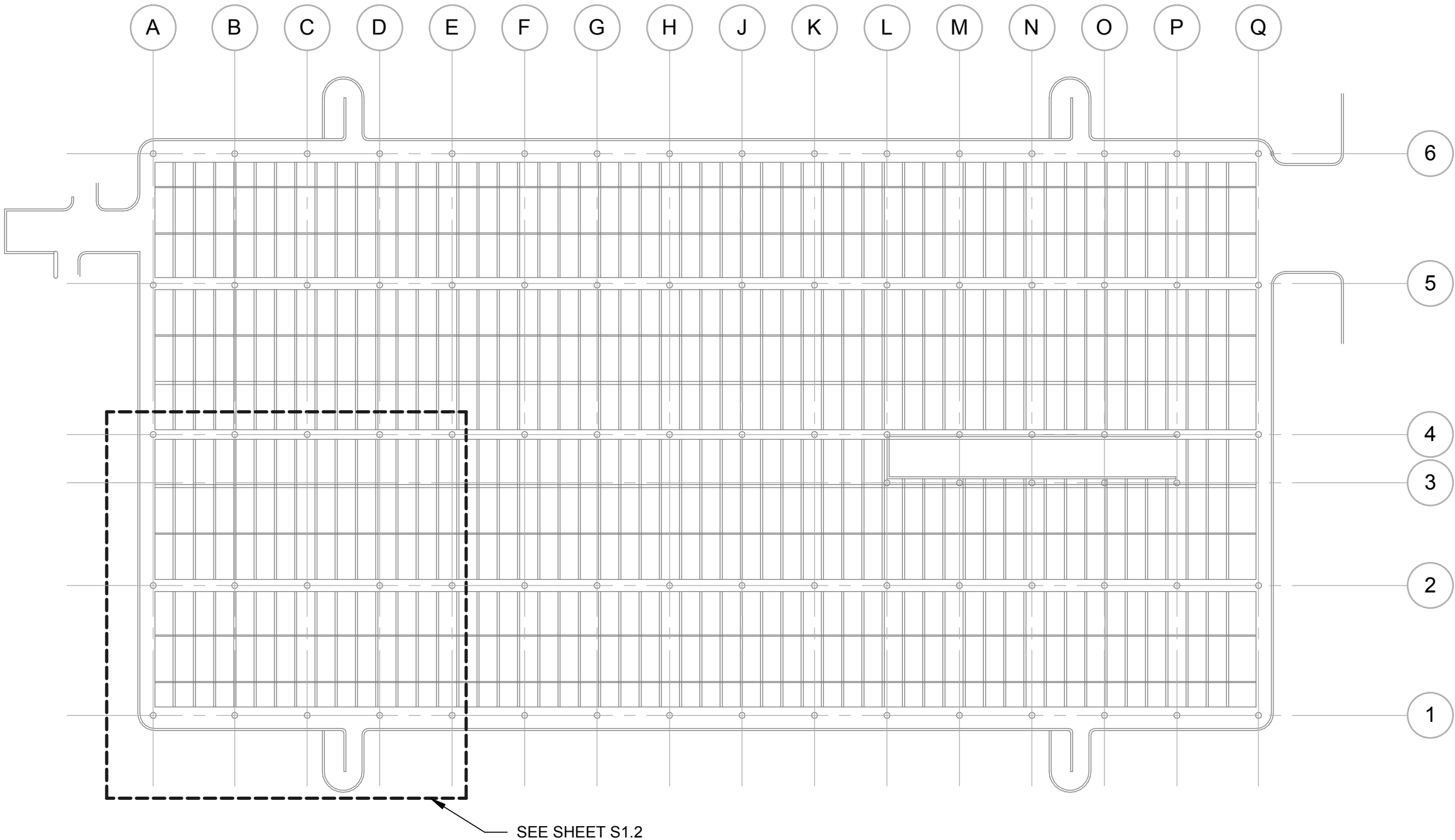
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REFLECTED  
CEILING PLAN -  
LEVEL 4

Sheet Title:

S1.1



1

REFLECTED CEILING PLAN - LEVEL 4

NO SCALE

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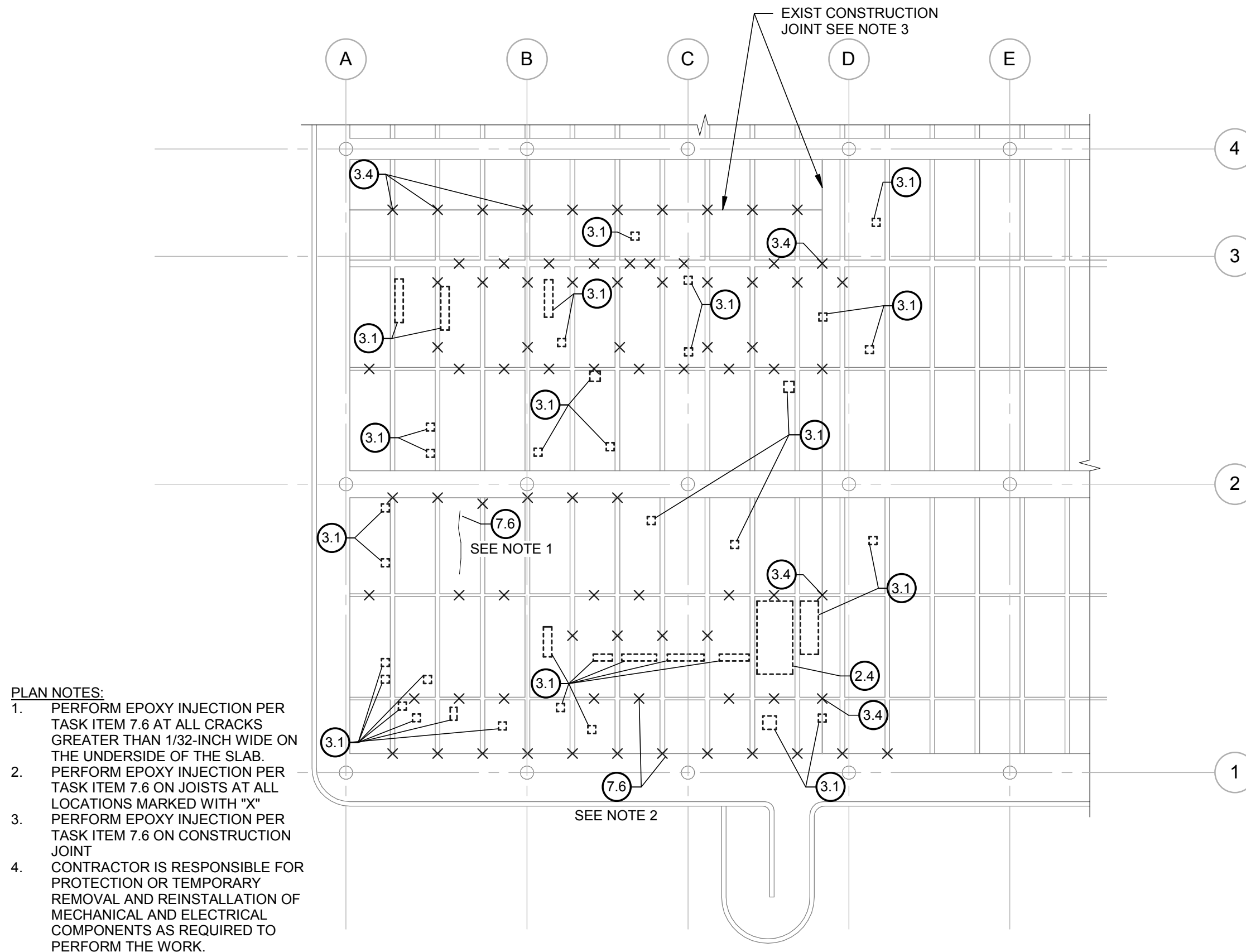
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ENLARGED  
REFLECTED  
CEILING PLAN -  
LEVEL 4

Sheet Title:

## S1.2

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## ENLARGED REFLECTED CEILING PLAN - LEVEL 4

NO SCALE

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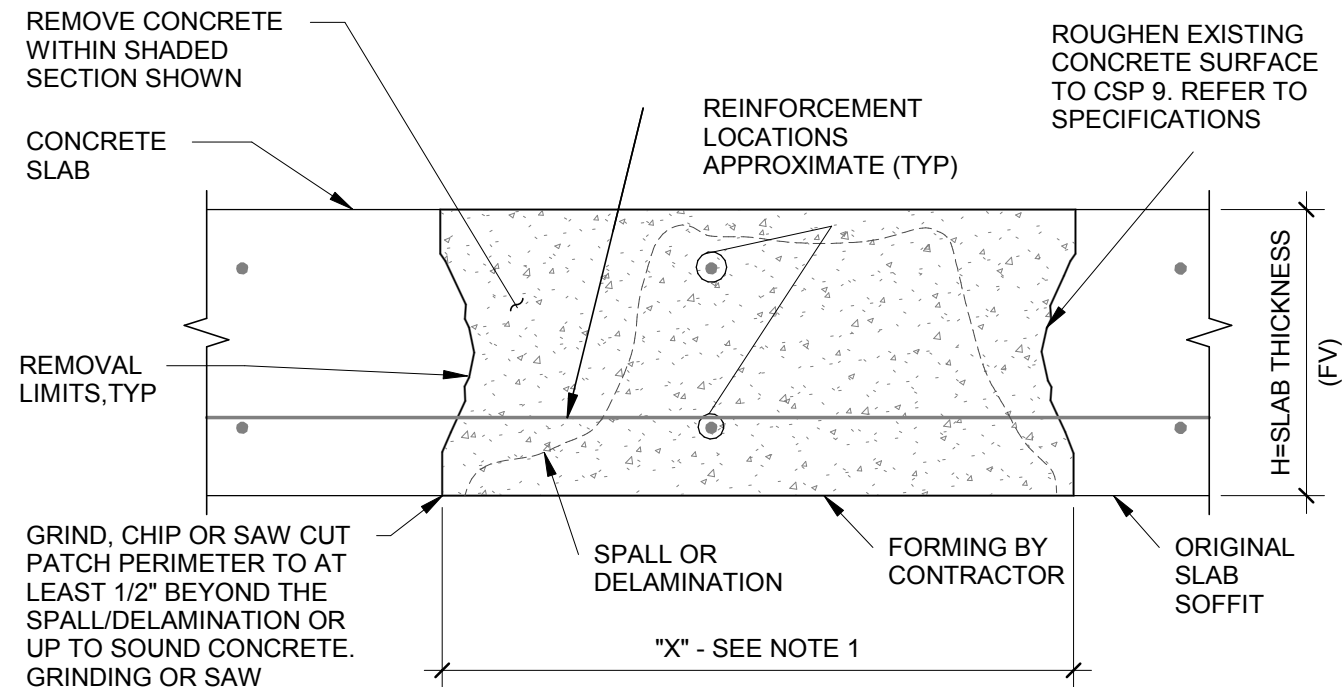
Sheet Title:

## REPAIR DETAILS

Sheet Title:

## S2.0

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CAUTION:

1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK.

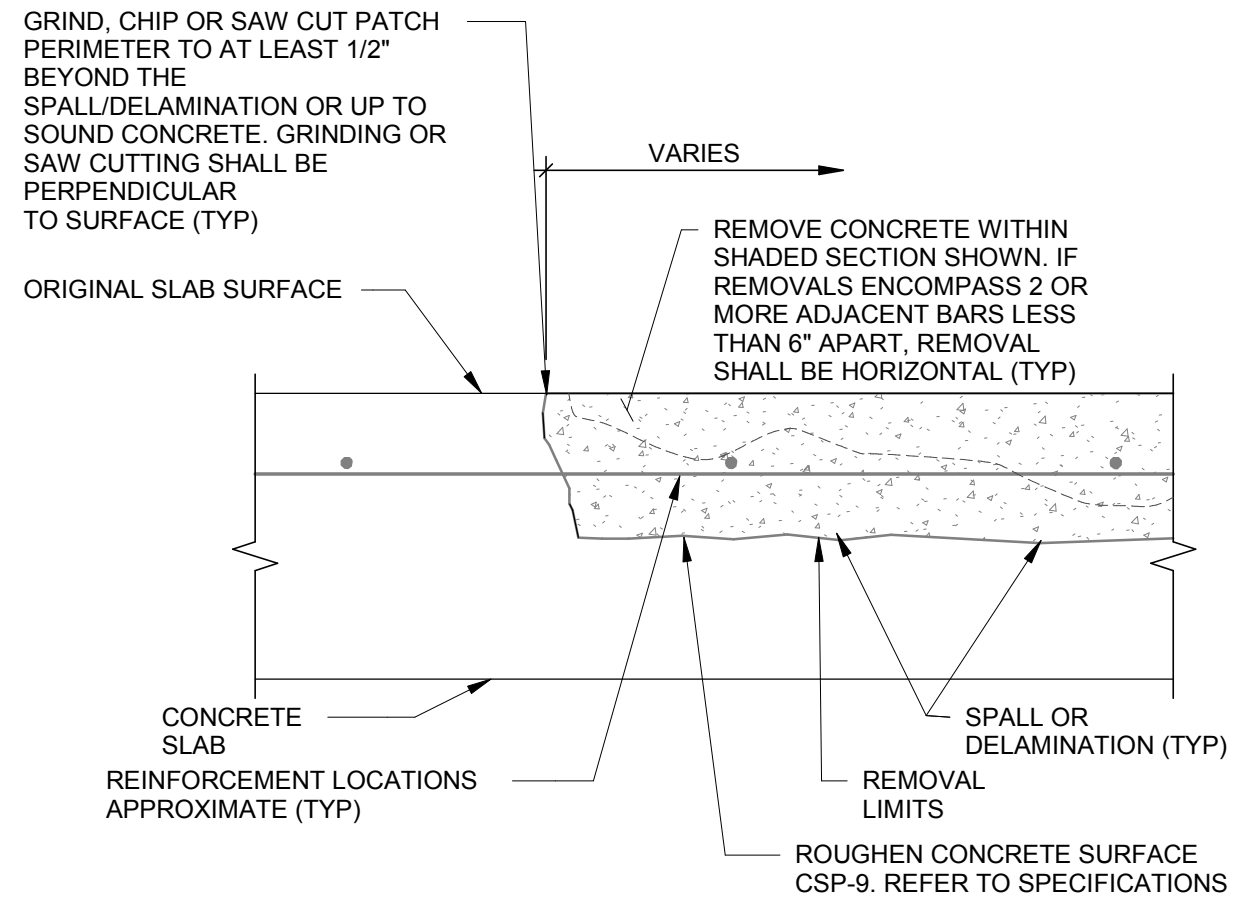
NOTES:

1. CONSULT ENGINEER PRIOR TO STARTING WORK IF DIMENSION "X" IS GREATER THAN 1 FT.
2. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR. USE NON-DESTRUCTIVE TECHNIQUES TO VERIFY LOCATION OF ELECTRICAL CONDUIT. DO NOT CUT OR DAMAGE ELECTRICAL CONDUIT.
3. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" SPECIFICATIONS FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
4. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
5. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
6. PROVIDE SHORING AS NEEDED PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.

2.4

## TYPICAL - FULL DEPTH CONCRETE FLOOR REPAIR

NO SCALE



CAUTION:

1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK.

NOTES:

1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
5. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.
6. NEW PATCH SHALL MATCH EXISTING FINISH.

2.3

## TYPICAL - PARTIAL DEPTH CONCRETE FLOOR REPAIR

NO SCALE

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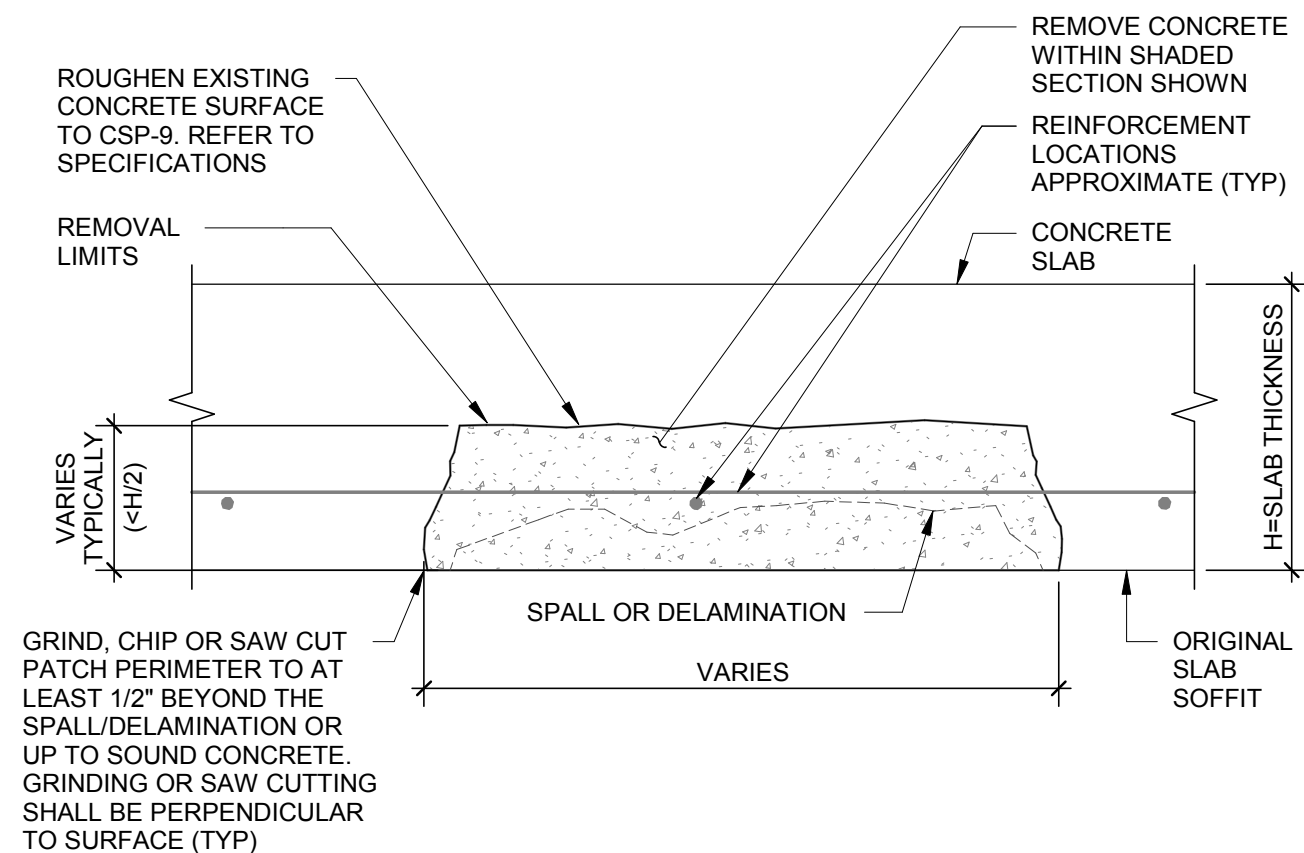
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## REPAIR DETAILS

Sheet Title:

## S2.1

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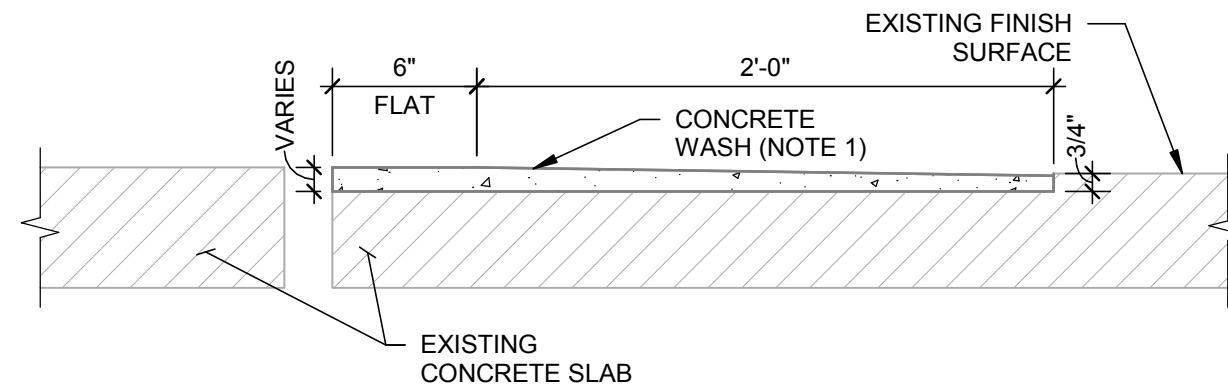


CAUTION:

1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK.

NOTES:

1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR. USE NON-DESTRUCTIVE TECHNIQUES TO VERIFY LOCATION OF ELECTRICAL CONDUIT. DO NOT CUT OR DAMAGE ELECTRICAL CONDUIT.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" SPECIFICATIONS FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
5. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.
6. NEW PATCH SHALL MATCH EXISTING FINISH.



NOTES:

1. CONCRETE WASH SHALL CONSIST OF RAPID SET MORTAR (SEE SPECIFICATIONS).
2. EXISTING SURFACE SHALL BE ROUGHENED TO CSP-9 PRIOR TO INSTALLING NEW MATERIAL. THICKNESS OF WASH SHALL NOT BE LESS THAN 3/4 - INCH.
3. INSTALL KEY AT EDGE OF WASH AS SHOWN TO MEET THICKNESS REQUIREMENTS AND PROVIDE A SMOOTH TRANSITION TO FINISH SURFACE.
4. PROVIDE CONTROL JOINTS ALONG CONCRETE WASH AT 5'-0" ON CENTER. JOINTS SHALL BE 1/2" WIDE AND CAN BE SAWCUT OR FORMED. FILL JOINTS WITH APPROVED SEALANT.

3.1

## TYPICAL - OVERHEAD SLAB REPAIR - PARTIAL DEPTH NON POST-TENSIONED SLABS

NO SCALE

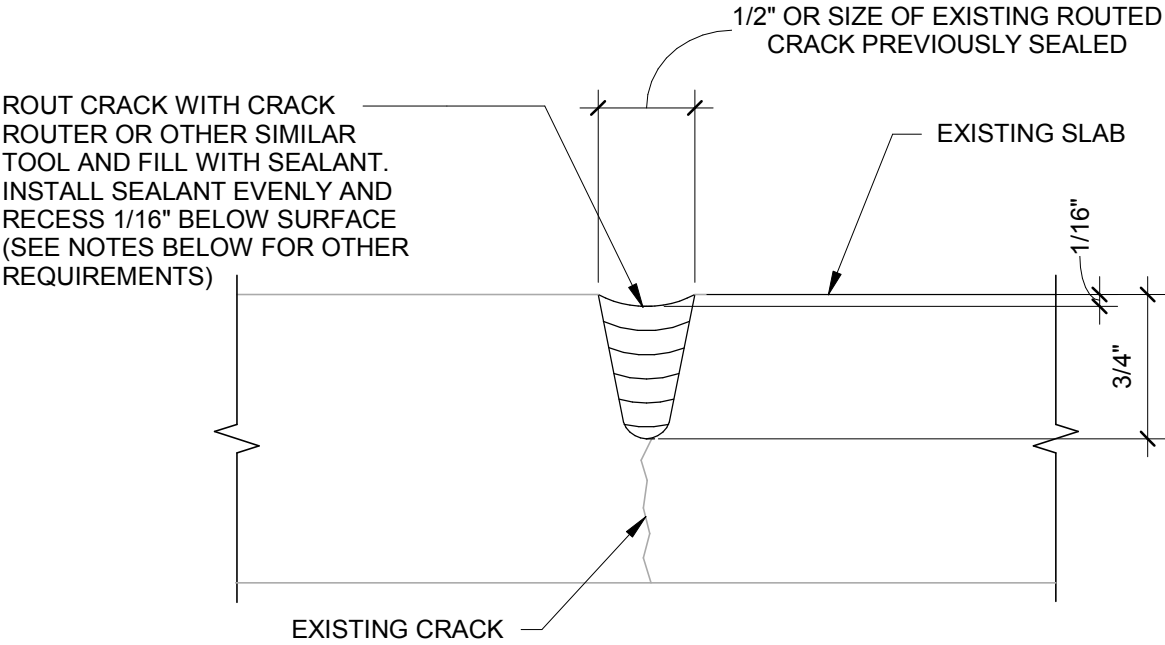
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## TYPICAL - CONCRETE WASH

NO SCALE



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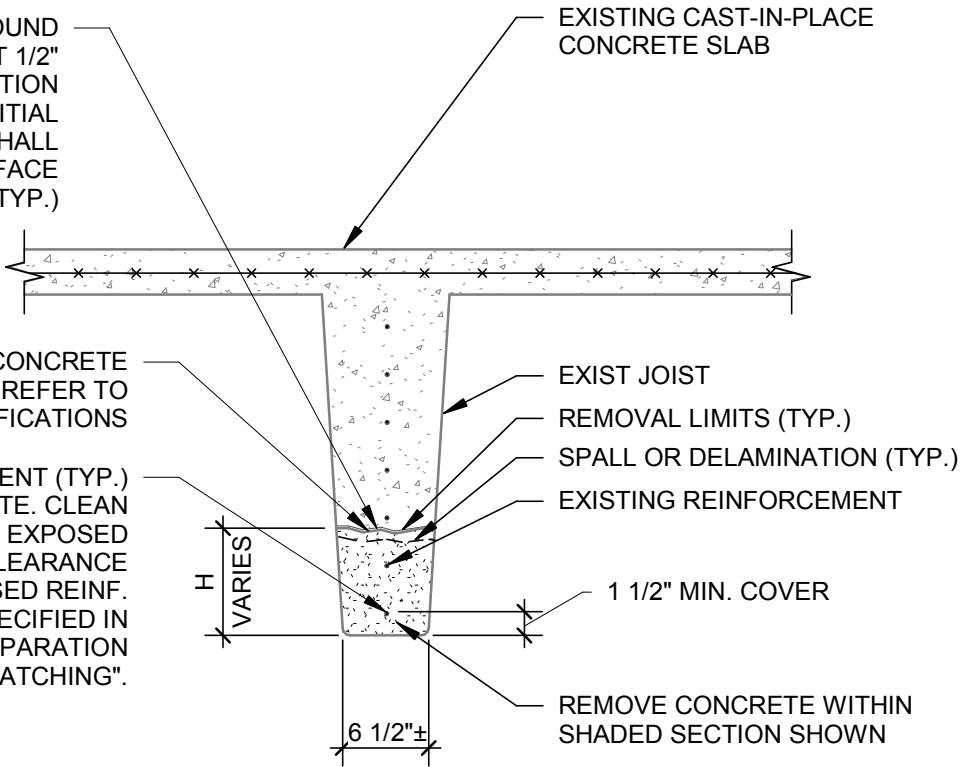
NOTES:

1. REMOVE EXISTING JOINT SEALANT MATERIAL IF PRESENT.
2. CLEAN ROUTED CRACK BEFORE FILLING WITH SEALANT SUCH THAT THERE ARE NO OLD RESIDUAL MATERIALS, DUST AND CONTAMINANTS.
3. DO NOT OVERFILL THE ROUTED CAVITY.
4. SPECIAL CASE: IF TRAFFIC COATING WILL BE APPLIED, INSTALL SEALANT FLUSH WITH CONCRETE SURFACE.
5. USE MAGNETIC REBAR LOCATOR OR OTHER NON-DESTRUCTIVE METHOD TO DETERMINE LOCATION OF REINFORCEMENT. NOTIFY ENGINEER IF DEPTH OF ROUTED JOINT INTERFERES WITH REINFORCEMENT PRIOR TO ROUTING THE CRACK. DO NOT NICK OR CUT EXISTING REINFORCEMENT.
6. REFER TO SPECIFICATIONS FOR SEALANT TYPE AND OTHER REQUIREMENTS.

GRIND, CHIP, OR SAW CUT AROUND PATCH PERIMETER TO AT LEAST 1/2" BEYOND THE SPALL/DELAMINATION OR UP TO SOUND CONCRETE. INITIAL GRINDING OR SAW CUTTING SHALL BE PERPENDICULAR TO SURFACE (TYP.)

ROUGHEN EXISTING CONCRETE SURFACE TO CSP-9. REFER TO SPECIFICATIONS

REINFORCEMENT (TYP.) LOCATIONS APPROXIMATE. CLEAN AND EPOXY COAT ALL EXPOSED REINF. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINF. WHERE REQ'D AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING".



NOTES:

1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR. LOCATE MILD AND PRESTRESS REINFORCEMENT BY NON-DESTRUCTIVE TECHNIQUES PRIOR TO BEAM REPAIRS. NOTIFY ENGINEER IMMEDIATELY IF PRESTRESSED TENDONS ARE CORRODED.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 15% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
5. NEW PATCH SHALL MATCH EXISTING FINISH.
6. PAY UNIT (SF) LENGTH IN THE DIRECTION OF STEM x H.

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REPAIR DETAILS

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7.1 TYPICAL - CRACK REPAIR  
NO SCALE

3.4 TYPICAL - CONCRETE JOIST REPAIR  
NO SCALE

\\ORL-SERVER\Projects\Projects\07\2017\17015-01 Knoxville Coliseum Garage C Repairs\Drawings\Revit Structure\07-17015-01 Knoxville Coliseum Garage C Repairs.rvt

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Project Name:

KNOXVILLE  
COLISEUM  
GARAGE C  
IMMEDIATE  
REPAIRS

Client:

CITY OF  
KNOXVILLE

FOR BID ONLY

NOT FOR  
CONSTRUCTION

No.	Date	REVISION

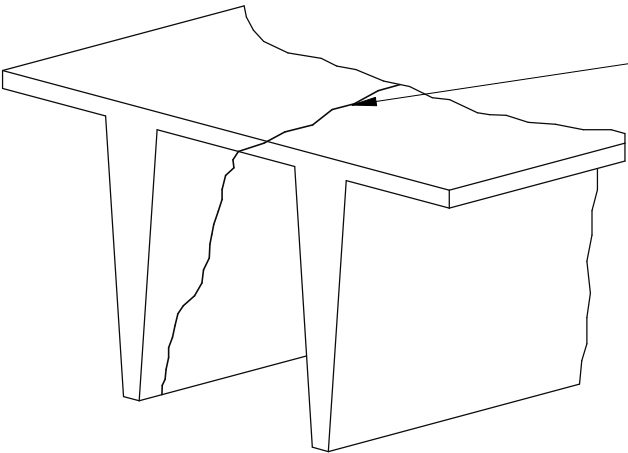
Designed by:	JB
Approved by:	RB
Drawn by:	AZ
Project Number:	D07-17015-01
Date	04/02/2018
Sheet Title:	

REPAIR DETAILS

Sheet Title:

S2.3

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EPOXY INJECT DOUBLE TEE STEM  
CRACKS EXCEEDING 1/32" WHERE  
TASK ITEM 7.6 IS REFERENCED ON  
PLAN SHEETS. REFER TO  
SPECIFICATIONS FOR PRODUCTS AND  
PROCEDURES.

NOTES:

1. SOUND AREA AROUND CRACKS. IF THE CRACKED AREA IS SPALLED, PERFORM CONCRETE REPAIR PER APPROPRIATE TASK ITEM. CONTACT ENGINEER FOR GUIDANCE.
2. EPOXY INJECT OVERHEAD CRACKS EXCEEDING 1/32" WHERE REFERENCED ON PLAN SHEETS. REFER TO SPECIFICATIONS FOR PRODUCTS AND PROCEDURES.
3. DO NOT REMOVE ANY CONCRETE MATERIAL WITHOUT PRIOR APPROVAL OF ENGINEER.
4. ILLUSTRATION AND REQUIREMENTS SHOWN ARE FOR PRECAST CONCRETE MEMBERS - TASK ITEM 7.6 REPAIR REQUIREMENTS AND PROCEDURES FOR OTHER CONCRETE MEMBERS ARE SIMILAR.

7.6

EPOXY INJECTION

NO SCALE