

A 3D perspective rendering of a large industrial building, likely a warehouse or factory. The building features a flat roof supported by a series of vertical columns, creating multiple bays. The exterior walls are dark grey, and the roof structure is light grey. A small, elevated structure with a staircase is visible on the right side of the building. The overall design is functional and industrial.

Diagram illustrating the components of a drawing title block:

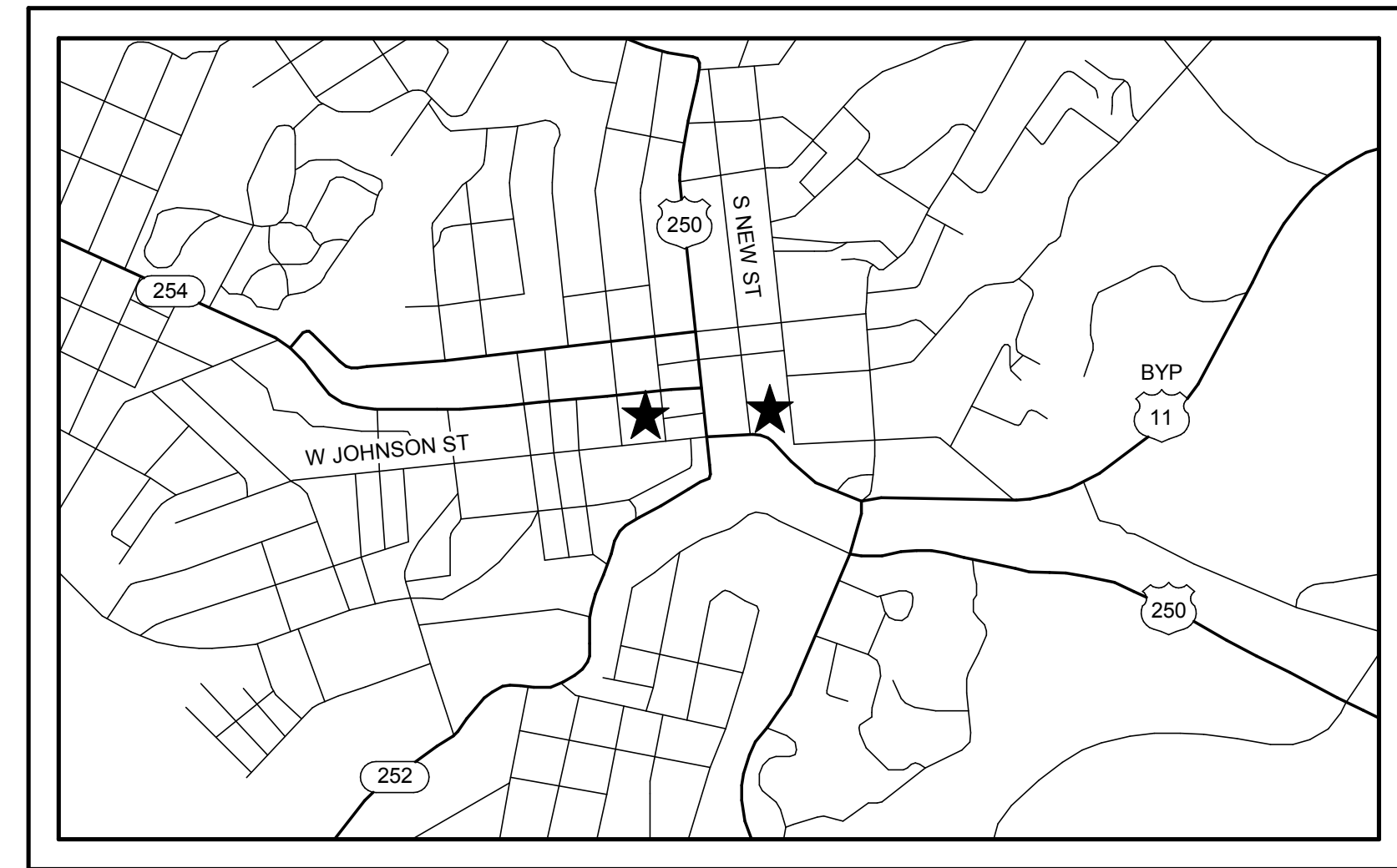
- STRUCTURE DESIGNATOR
- SUBSYSTEM, SEE SHEET TITLE
- SHEET TYPE DESIGNATOR
- SHEET NUMBERS
- DISCIPLINE DESIGNATOR

The title block format shown is: XXXX # # #

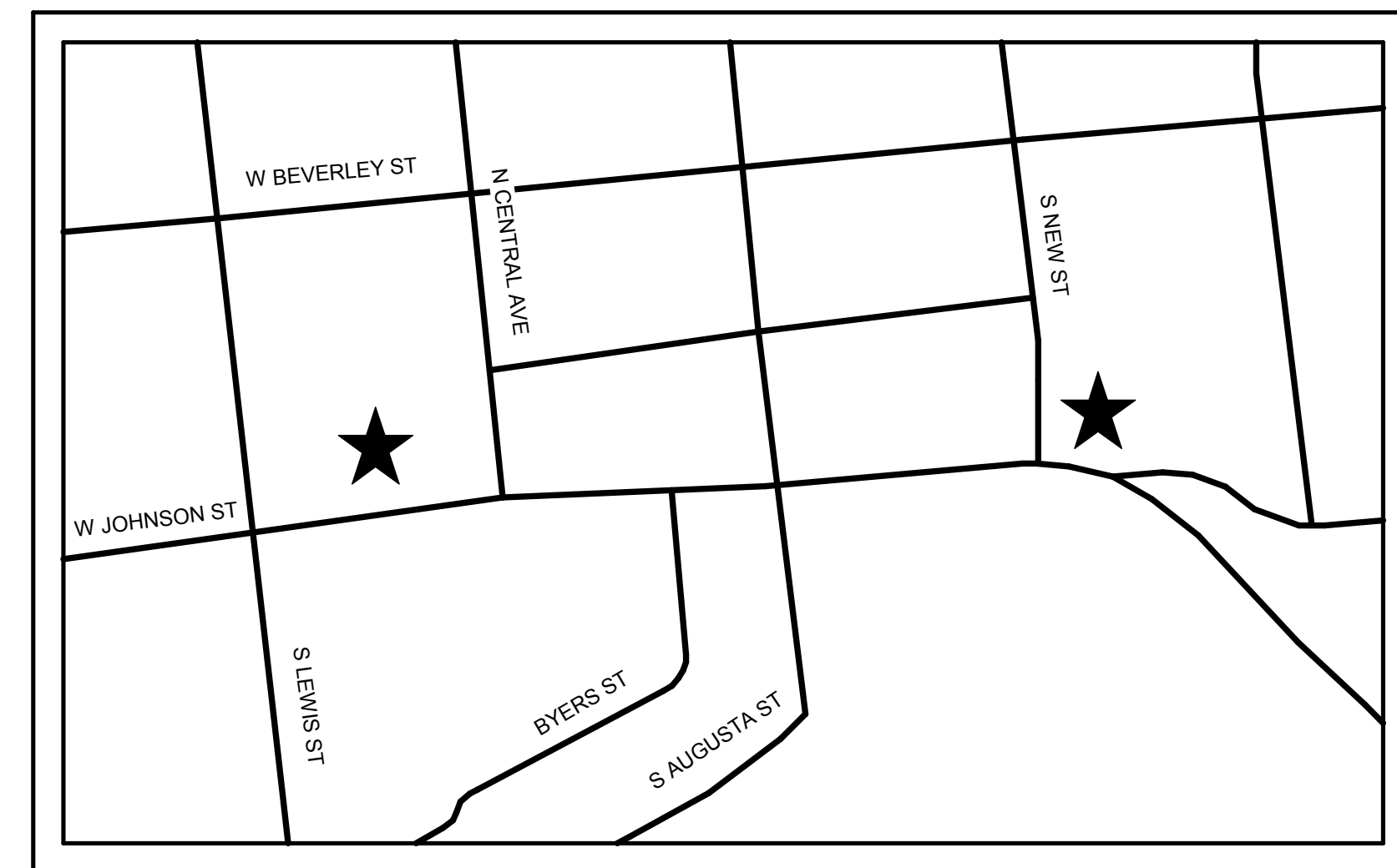
J JOHNSON STREET GARAGE
N NEW STREET GARAGE
- BOTH

G GENERAL
S STRUCTURAL
P PLUMBING
M MECHANICAL
E ELECTRICAL

- 0 GENERAL
- 1 PLANS
- 2 ELEVATIONS
- 3 SECTIONS
- 4 LARGE-SCALE PLANS, ELEVATIONS, ETC.
- 5 DETAILS
- 6 SCHEDULES AND DIAGRAMS
- 7 MISCELLANEOUS
- 8 MISCELLANEOUS
- 9 3D REPRESENTATIONS



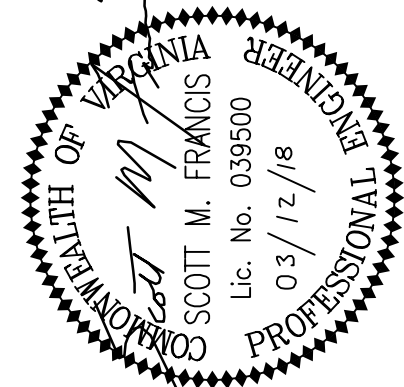
VICINITY MAP



LOCATION MAP



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CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

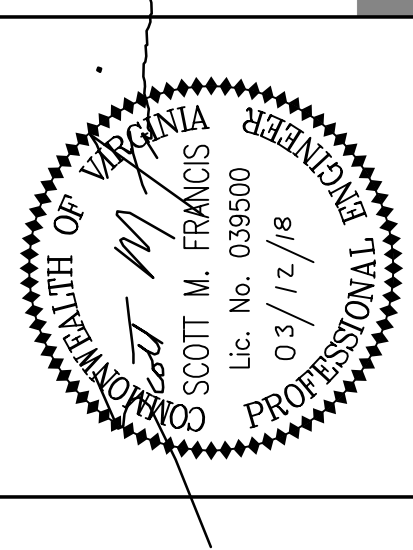
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ADD'L	ADDITIONAL
APPROX	APPROXIMATE
BOTT	BOTTOM
	CIP
CFRP	CARBON FIBER REINFORCED POLYMER
COL	COLUMN
CONC	CONCRETE
CONT	CONTINUOUS
DIA	DIAMETER
DEMO	DEMOLISH
ELEV	ELEVATOR
EX	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
GALV	GALVANIZED
MIN	MINIMUM
NACMM	NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS
OC	ON CENTER
REINF	REINFORCED, REINFORCEMENT, REINFORCING
STD	STANDARD
T/	TOP OF
TEMP	TEMPORARY
TYP	TYPICAL
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH



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STAUNTON, VA

[illegible]

COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	DSB
CHECK:		SMF	

SHEET

DRAWING SYMBOLS &
ABBREVIATIONS

SHT. NO. G-002	REV. NO.
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A. GENERAL

1. STRUCTURAL GENERAL NOTES ARE INTENDED TO HIGHLIGHT OR IN SOME CASES SUPPLEMENT PROJECT SPECIFICATIONS. REFER TO THE PROJECT SPECIFICATIONS FOR COMPLETE WORK COVERAGE.
2. THE DESIGN OF THE STRUCTURE COMPLIES WITH THE INTERNATIONAL EXISTING BUILDING CODE 2012 AND THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE "USBC" (2012 EDITION).
3. GRAVITY DESIGN LOADS ARE AS FOLLOWS:
- a. SUPERIMPOSED DEAD LOADS
- | | |
|----------------------------|--------|
| (1) 2 ½" TOPPING SLAB | 32 PSF |
| (2) HORIZONTAL DRAIN PIPES | 35 PLF |
| (3) LIGHTING | 1 PSF |
- b. LIVE LOADS
- | | |
|----------------------------|--|
| (1) ELEVATOR MACHINE ROOM | 300 LBS |
| (2) GUARDS | 200 LBS POINT LOAD IN ANY DIRECTION AT ANY POINT
ALONG THE TOP RAILING |
| (3) HANDRAILS | 50 PLF IN ANY DIRECTION AND 200 LBS POINT LOAD IN ANY
DIRECTION NOT ACTING CONCURRENTLY |
| (4) GARAGE - PASSENGER CAR | 50 PSF |
| (5) ROOF | |
| MINIMUM | 20 PSF |
| SNOW LOADING | 30 PSF |
| (6) STAIRS AND EXITS | 100 PSF |
4. IMPOSED CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN LIVE LOADS STATED ABOVE.
5. THE GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL DETERMINE THE SCOPE OF THE STRUCTURAL WORK FROM THE CONTRACT DOCUMENTS TAKEN AS A WHOLE. THE STRUCTURAL DRAWINGS SHALL NOT BE CONSIDERED SEPARATELY FOR PURPOSES OF BIDDING THE STRUCTURAL WORK. DUE CONSIDERATION SHALL BE GIVEN TO OTHER STRUCTURAL WORK OR WORK RELATED TO THE STRUCTURE, INCLUDING NECESSARY COORDINATION DESCRIBED OR IMPLIED BY THE MECHANICAL OR ELECTRICAL DRAWINGS.
6. REPRODUCTION OF THE STRUCTURAL CONTRACT DOCUMENTS IN ANY FASHION AS STRUCTURAL SHOP DRAWING DOCUMENTS IS PROHIBITED.
7. SCALES NOTED ON THE DRAWINGS ARE FOR GENERAL INFORMATION ONLY. NO DIMENSIONAL INFORMATION SHALL BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.
8. DETAILS, SECTIONS AND NOTES SHOWN ON THESE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL APPLY TO SIMILAR CONDITIONS ELSEWHERE UNLESS OTHERWISE SHOWN OR NOTED.
9. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL RESULTING REVISIONS TO THE STRUCTURAL SYSTEM AS A RESULT OF ACCEPTANCE OF CONTRACTOR PROPOSED ALTERNATIVES OR SUBSTITUTIONS.
10. THE GENERAL CONTRACTOR (OR CONSTRUCTION MANAGER) SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURAL ELEMENTS SHOWN ON THE CONTRACT DOCUMENTS FOR APPROVAL. THE STRUCTURAL ENGINEER WILL NOT BE RESPONSIBLE FOR THE STRUCTURAL CERTIFICATION AND DESIGN OF THE PROJECT IF THE GENERAL CONTRACTOR FAILS TO OBTAIN APPROVAL OF THE SHOP DRAWINGS. SHOP DRAWINGS ARE REVIEWED AS A CONVENIENCE TO THE GENERAL CONTRACTOR AND ARE NOT A CONTRACT DOCUMENT. THE GENERAL CONTRACTOR SHALL STATE ON THE SHOP DRAWINGS THAT CONTRACT DOCUMENT REQUIREMENTS HAVE BEEN MET AND THAT ALL DIMENSIONS, CONDITIONS AND QUANTITIES HAVE BEEN REVIEWED AND VERIFIED AS SHOWN AND/OR CORRECTED ON THE SHOP DRAWINGS.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY BRACING AND SHORING, AS REQUIRED, TO ENSURE VERTICAL AND LATERAL STABILITY OF THE ENTIRE STRUCTURE OR PORTION THEREOF DURING CONSTRUCTION.
12. INFORMATION SHOWN REGARDING EXISTING CONDITIONS HAS BEEN OBTAINED BY LIMITED OBSERVATIONS. AREAS NOT VISIBLE HAVE BEEN ASSUMED TYPICAL WITH OBSERVED EXISTING CONDITIONS.
13. THE CONTRACTOR SHALL MEASURE AND PROVIDE ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOB SITE PRIOR TO CONSTRUCTION AND THE SUBMISSION OF SHOP DRAWINGS AND SHALL NOTIFY THE ARCHITECT AND/OR STRUCTURAL ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
14. INFORMATION ON THE EXISTING BUILDING IS TAKEN FROM ARCHITECTURAL DRAWINGS SHEETS SP, 1-11, AND 10A BY NEAL S. GOODLOE ARCHITECT DATED JULY 1974. ADDITIONAL INFORMATION WAS TAKEN FROM THE PRECAST CONCRETE SHOP DRAWINGS SHEETS S-1 THROUGH S-41, T1, AND F-1 THROUGH F-3 PREPARED BY SHOKEY BROTHERS, INC. DATED NOVEMBER 15, 1974.
15. PRODUCTS LISTED IN DRAWINGS ARE THE BASIS OF DESIGN. AT CONTRACTOR OPTION, ALTERNATIVE PRODUCTS MAY BE SUBMITTED FOR REVIEW AND APPROVAL AS AN AS EQUAL SUBSTITUTE.

B. CONCRETE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 301 AND ACI 302.
2. PROVIDE CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH (f_c) OF 5,000 PSI AT 28 DAYS. USE NORMAL WEIGHT AGGREGATE CONFORMING TO ASTM C33 AND TYPE II PORTLAND CEMENT CONFORMING TO ASTM C150. FOR CONCRETE INFILL AREAS THAT ARE LESS THAN 1" IN DEPTH, USE MAXIMUM 3/8" DIAMETER AGGREGATE.
3. FLY ASH CONFORMING TO ASTM C618, TYPE C OR F MAY BE USED AS TO REPLACE A PORTION OF THE PORTLAND CEMENT IN A CONCRETE MIX. THE AMOUNT OF PORTLAND CEMENT CONTENT SHALL NOT BE LESS THAN 75 PERCENT OF THE TOTAL AMOUNT OF CEMENTITIOUS MATERIAL IN THE MIX.
4. GROUND GRANULATED BLAST-FURNACE SLAG CONFORMING TO ASTM C989, MAY BE USED AS TO REPLACE A PORTION OF THE PORTLAND CEMENT IN A CONCRETE MIX. THE AMOUNT OF PORTLAND CEMENT CONTENT SHALL NOT BE LESS THAN 60 PERCENT OF THE TOTAL AMOUNT OF CEMENTITIOUS MATERIAL IN THE MIX.
5. CONCRETE REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60. REINFORCEMENT BARS SHALL NOT BE TACK WELDED, WELDED, HOT BED OR CUT UNLESS INDICATED ON THE CONTRACT DOCUMENTS OR APPROVED BY THE STRUCTURAL ENGINEER.
6. PROVIDE WELDED WIRE FABRIC CONFORMING TO ASTM A1064 IN FLAT SHEETS. LAP FABRIC TWO MESHES AT SPLICES.
7. DETAILING OF CONCRETE REINFORCEMENT BARS AND ACCESSORIES SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" AND ACI SP-66 "DETAILING MANUAL". PLACING OF REINFORCING BARS SHALL CONFORM TO THE RECOMMENDATIONS OF ACI 315R "MANUAL OF ENGINEERING AND PLACING DRAWINGS FOR REINFORCED CONCRETE STRUCTURES" AND CRSI "MANUAL OF STANDARD PRACTICE".
8. MIX, TRANSPORT AND PLACE CONCRETE PER THE RECOMMENDATIONS OF ACI 301.
9. PROTECT AND CURE ALL CONCRETE SURFACES. BEGIN CURING WALLS IMMEDIATELY AFTER STRIPPING FORMS AND FLATWORK IMMEDIATELY AFTER FINISHING.

C. CONCRETE MASONRY

1. MASONRY CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH ACI 530 "BUILDING CODE REQUIREMENTS FOR CONCRETE MASONRY STRUCTURES" AND ACI 530.1, "SPECIFICATIONS FOR MASONRY STRUCTURES."
2. CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N-1 UNLESS OTHERWISE NOTED. COMPRESSIVE STRENGTH ON NET CROSS SECTIONAL AREA OF INDIVIDUAL MASONRY UNITS SHALL BE 1,900 PSI. NET AREA COMPRESSIVE STRENGTH OF MASONRY (fm) SHALL BE 1,500 PSI.
3. MASONRY SHALL BE LAID IN ASTM C270, TYPE "S" MORTAR, UNLESS NOTED OTHERWISE AND SHALL HAVE FULL MORTAR COVERAGE OF THE FACE SHELLS IN BOTH HORIZONTAL AND VERTICAL JOINTS.
4. GROUT FOR REINFORCED MASONRY SHALL HAVE A COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS AND SHALL CONFORM TO ASTM C476.
5. FLOOR AND ROOF DECK WELLS - PERIODIC.
- f. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS - PERIODIC.
4. REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION:
- a. INSPECTION OF REINFORCING STEEL AND PLACEMENT - PERIODIC.
- b. VERIFYING USE OF REQUIRED DESIGN MIX - PERIODIC.
- c. AT THE TIME FRESH CONCRETE IS PLACED, FABRICATE SPECIMENS FOR STRENGTH TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE - CONTINUOUS.
- d. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES - CONTINUOUS.
- e. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES - PERIODIC.
- f. INSPECTION OF PRESTRESSED CONCRETE:
- (1) APPLICATION OF PRESTRESSING FORCES - CONTINUOUS.
- (2) GROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM - CONTINUOUS.
- g. ERECTION OF PRECAST CONCRETE MEMBERS - PERIODIC.
- h. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS - PERIODIC.
- i. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED - PERIODIC.

D. STRUCTURAL STEEL

3. UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
- | | |
|-------------|----------|
| a. ANGLES | ASTM A36 |
| b. CHANNELS | ASTM A36 |
| c. PLATES | ASTM A36 |
2. BOLTS FOR STRUCTURAL STEEL CONNECTIONS SHALL BE HIGH STRENGTH BOLTS PER THE REQUIREMENTS OF ASTM A325, TYPE N OR X. UNLESS NOTED OTHERWISE, PROVIDE BOLTS DESIGNED AS BEARING TYPE BOLTS AND INSTALL PER THE "SNUG TIGHT" CONDITION. INSTALL A HARDENED WASHER UNDER THE ELEMENT TO BE TIGHTENED.
3. DETAIL, FABRICATE AND ERECT STRUCTURAL STEEL PER THE AISC "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS," THE AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES" AND THE SAFETY REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION AND THE LOCAL JURISDICTION. PROVIDE TEMPORARY SEATS TO FACILITATE SAFE ERECTION.
4. THE FABRICATOR SHALL PREPARE THE SHOP DRAWINGS BASED ON DESIGN LOADS PROVIDED OR CONNECTION DESIGN INFORMATION SHOWN IN THE TYPICAL DETAILS. THE FABRICATOR IS RESPONSIBLE FOR CHOOSING, DESIGNING AND DETAILING ALL CONNECTIONS PARTIALLY DETAILED IN THE CONTRACT DRAWINGS IN ACCORDANCE WITH PART 10 OF THE AISC "MANUAL OF STEEL CONSTRUCTION" THIRTEENTH EDITION.
5. PERFORM WELDING IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY STANDARD D11.1. PROVIDE ELECTRODES FOR SHOP AND FIELD WELDS IN ACCORDANCE WITH AWS A5.1 OR AWS A5.5, CLASS E70XX, LOW HYDROGEN. ALL WELDS SHALL USE FILLER METAL WITH A MINIMUM CVN VALUE OF 20 FT-LBS AT -20 DEGREES FAHRENHEIT.
6. ALL SHOP AND FIELD WELDING SHALL BE EXECUTED BY WELDERS AND WELDING OPERATORS WHO HAVE BEEN PREVIOUSLY QUALIFIED BY TEST AS PRESCRIBED IN AWS D1.1 OF THE AMERICAN WELDING SOCIETY TO PERFORM THE TYPES OF WELDS REQUIRED ON THE PROJECT.
7. SHOP OR FIELD WELDS AT NON-BOLTED CONNECTIONS THAT ARE NOT SPECIFICALLY DETAILED SHALL BE 3/16" CONTINUOUS FILLETS AT EACH CONTACT EDGE OR SURFACE.
8. RETURN ALL WELDS AT CORNERS TWICE THE NOMINAL SIZE OF THE WELD MINIMUM, UNLESS OTHERWISE NOTED.
9. ALL COPES, BLOCKS, CUT-OUTS, AND OTHER CUTTING OF STRUCTURAL MEMBERS SHALL HAVE ALL RE-ENTRANT CORNERS SHAPED, NOTCHED FREE TO A RADIUS OF AT LEAST 1/2".
10. NO FABRICATION SHALL PROCEED PRIOR TO SHOP DRAWING APPROVAL.
11. SPLICING OF STRUCTURAL STEEL MEMBERS WHERE NOT DETAILED ON THE CONTRACT DOCUMENTS IS PROHIBITED.
12. THE CONTRACTOR SHALL NOTIFY WILEY WILSON, INC. OF ANY MISFABRICATION STRUCTURAL STEEL PRIOR TO ERECTION OF SAME.
13. STRUCTURAL STEEL CAST INTO OR IN CONTACT WITH CONCRETE SHALL NOT BE PAINTED.
14. STEEL SHALL BE HOT DIPPED GALVANIZED WHERE INDICATED. STEEL SHAPES, PLATES AND BARS SHALL BE GALVANIZED PER ASTM A123. STEEL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED PER ASTM A153, CLASS C.

E. DEMOLITION

1. ALL WORK SHALL BE IN GENERAL COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE 2012.
2. FURNISH ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE DEMOLITION WORK IN A COMPLETED MANNER SUCH THAT NEW WORK CAN BE INSTALLED WITH MINIMUM PREPARATION.
3. CONTRACTOR SHALL INCLUDE IN THE SCOPE OF WORK ALL ASPECTS OF REQUIRED DEMOLITION, SHORING OF EXISTING STRUCTURE, STAGING THE REPAIR TASKS AND SCHEDULING THE WORK IN A MANNER APPROVED BY THE OWNER, CLEAN UP AFTER PORTIONS OF WORK ARE PERFORMED AND CLEAN UP AFTER THE ENTIRE REPAIR IS COMPLETED.
4. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL TEMPORARY SHORING AND BRACING REQUIRED FOR DEMOLITION OPERATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF AND PROCEDURES FOR THE REQUIRED TEMPORARY SHORING. CONTRACTOR SHORING SHALL BE IN CONFORMANCE WITH OSHA REGULATIONS.
5. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT DAMAGE OF THE EXISTING STRUCTURE. IN THE EVENT OF DAMAGE, CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND CONTACT THE STRUCTURAL ENGINEER FOR ASSESSMENT OF THE DAMAGE.
6. SCHEDULE ALL WORK IN A CAREFUL MANNER WITH ALL NECESSARY CONSIDERATION FOR FACILITY OPERATIONS, AND FACILITY PERSONNEL. ANY DAMAGE TO PERSON OR PROPERTY AS A RESULT OF DEMOLITION AND RELATED WORK SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. DEMOLITION EQUIPMENT FOR CONCRETE SHALL BE LIMITED TO POWER SAWS, CORE DRILLS, AND SMALL CHIPPING HAMMERS (#5).
8. ERECT BARRIERS FENCES, GUARDRAILS, WARNING DEVICES AND SHORING TO PROTECT PERSONNEL WORKING IN THE AREA.
9. SUBMIT PROCEDURES AND SCHEDULE PROPOSED FOR THE ACCOMPLISHMENT OF THE DEMOLITION WORK TO THE OWNER FOR APPROVAL. INCLUDE SAFE CONDUCT OF THE WORK, DISPOSITION OF MATERIALS, PROTECTION OF REMAINING PROPERTY AND COORDINATION WITH OTHER WORK.

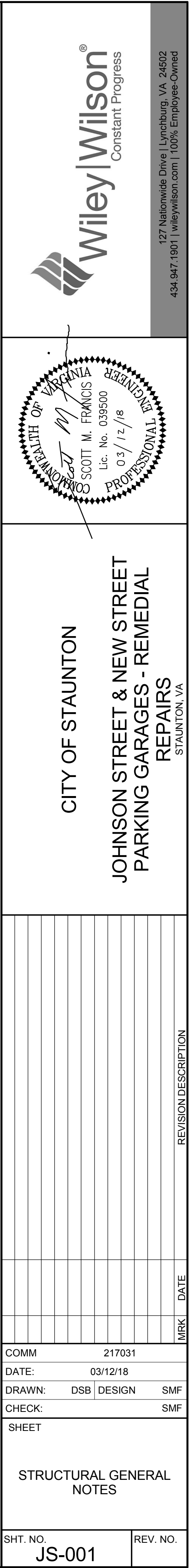
F. SPECIAL INSPECTIONS

- AN INDEPENDENT AGENCY SHALL PERFORM SPECIAL INSPECTIONS PER THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE "USBC" (2012 EDITION) SECTION 111.2 AND THE INTERNATIONAL BUILDING CODE 2012. IN ACCORDANCE WITH INTERNATIONAL BUILDING CODE SECTION 1704.0, THE RESPONSIBLE INSPECTOR SHALL BE A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE COMMONWEALTH OF VIRGINIA. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN SECTION 110.
2. WRITTEN REPORTS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL AND REGISTERED DESIGN PROFESSIONAL STATING COMPLIANCE OR NON-COMPLIANCE WITH DESIGN DOCUMENTS AND SPECIFICATIONS. ALL REPORTS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE COMMONWEALTH OF VIRGINIA.
3. REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL STEEL CONSTRUCTION:
- a. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS AND WASHERS:
 - (1) IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS - PERIODIC.
 - (2) MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED - PERIODIC.
 - b. INSPECTION OF HIGH-STRENGTH BOLTING:
 - (1) BEARING-TYPE CONNECTIONS - PERIODIC.
 - c. MATERIAL VERIFICATION OF STRUCTURAL STEEL:
 - (1) IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.
 - (2) MANUFACTURERS' CERTIFIED MILL TEST REPORTS.
 - d. MATERIAL VERIFICATION OF WELD FILLER MATERIALS:
 - (1) IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS.
 - (2) MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED.
 - e. INSPECTION OF STRUCTURAL STEEL WELDING:
 - (1) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS - CONTINUOUS.
 - (2) MULTIPASS FILLET WELDS - CONTINUOUS.
 - (3) SINGLE-PASS FILLET WELDS GREATER THAN 5/16 INCH - CONTINUOUS.
 - (4) SINGLE-PASS FILLET WELDS LESS THAN OR EQUAL TO 5/16 INCH - PERIODIC.
 - (5) FLOOR AND ROOF DECK WELDS - PERIODIC.
 - f. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS - PERIODIC.
4. REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION:
- a. INSPECTION OF REINFORCING STEEL AND PLACEMENT - PERIODIC.
 - b. VERIFYING USE OF REQUIRED DESIGN MIX - PERIODIC.
 - c. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE - CONTINUOUS.
 - d. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES - CONTINUOUS.
 - e. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES - PERIODIC.
 - f. INSPECTION OF PRESTRESSED CONCRETE:
 - (1) APPLICATION OF PRESTRESSING FORCES - CONTINUOUS.
 - (2) CROUTING OF BONDED PRESTRESSING TENDONS IN THE SEISMIC-FORCE-RESISTING SYSTEM - CONTINUOUS.
 - g. ERECTION OF PRECAST CONCRETE MEMBERS - PERIODIC.
 - h. VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POSTTENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS - PERIODIC.
 - i. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED - PERIODIC.

- REQUIRED LEVEL B VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION:
- a. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:
 - (1) PROPERTIES OF SITE PREPARED MORTAR – PERIODIC.
 - (2) CONSTRUCTION OF MORTAR JOINTS – PERIODIC.
 - (3) LOCATION OF REINFORCEMENT AND CONNECTORS – PERIODIC.
 - b. THE INSPECTION PROGRAM SHALL VERIFY:
 - (1) SIZE AND LOCATION OF STRUCTURAL ELEMENTS – PERIODIC.
 - (2) TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION – PERIODIC.
 - (3) SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT – PERIODIC.
 - (4) WELDING OF REINFORCING BARS – CONTINUOUS.
 - (5) PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40 DEGREES F) OR HOT WEATHER (TEMPERATURE ABOVE 90 DEGREES F) – PERIODIC.
 - c. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:
 - (1) GROUT SPACE IS CLEAN – PERIODIC.
 - (2) PLACEMENT OF REINFORCEMENT AND CONNECTORS – PERIODIC.
 - (3) PROPORTIONS OF SITE PREPARED GROUT – PERIODIC.
 - (4) CONSTRUCTION OF MORTAR JOINTS – PERIODIC.
 - d. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENTS PROVISIONS – CONTINUOUS
 - e. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED – CONTINUOUS.
 - f. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS WILL BE VERIFIED – PERIODIC.
6. CONTINUOUS: THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.
7. PERIODIC: THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK.
8. FAILURE TO RETAIN AN INDEPENDENT TESTING AGENCY TO PERFORM THE REQUIRED SERVICES SPECIFIED ABOVE, OR FAILURE TO SUBMIT SIGNED AND SEALED REPORTS, INDICATES NON-COMPLIANCE WITH THE CONTRACT DOCUMENTS.

G. CONSTRUCTION PHASING

1. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION ACTIVITY AND SHALL COOPERATE FULLY WITH OWNER FOR ALL CONSTRUCTION PHASING.
2. CONTRACTOR SHALL MAINTAIN TRAFFIC FLOW TO ALL LEVELS OF THE NEW STREET PARKING GARAGE DURING REMEDIAL REPAIRS.
3. THE JOHNSON STREET PARKING GARAGE MAY BE REMOVED FROM SERVICE DURING REMEDIAL REPAIRS AS NECESSARY.
4. CONTRACTOR SHALL COORDINATE ALL PARKING CLOSURES WITH OWNER 7 DAYS IN ADVANCE OF WORK.
5. AREAS OF PARKING ABOVE AND AROUND SHORING SHALL BE CLOSED TO PARKING, PRIOR TO REPAIRS AND SHORING.
6. PROTECT PEDESTRIAN TRAFFIC THROUGHOUT STRUCTURE AND ON SIDEWALKS AROUND PERIMETER OF PARKING STRUCTURE.
7. AT LEAST ONE STAIR TOWER MUST REMAIN OPEN AT ALL TIMES WHEN PARKING GARAGE IS OPEN TO THE PUBLIC.
8. ACCESS TO THE ELEVATOR TO BE MAINTAINED AT ALL TIMES WHEN PARKING GARAGE IS OPEN TO THE PUBLIC.



JOINT SEALANT NOTES:

- RE-STRIPING NOTES:

- TOPPING SLAB/SLAB ON GRADE SEALANT NOTES:**

- CARBON FIBER-REINFORCED POLYMER NOTES:**

- CONCRETE CRACK REPAIR NOTES:**

HORIZONTAL SURFACES

- ### SLOPED OR VERTICAL SURFACES

- MASONRY REPAIR NOTES**

- MORTAR JOINT REPAIR NOTES**

- ## CONCRETE CAPSTONE CRACK REPAIR NOTES

1. SEE CONCRETE REPAIR NOTES, THIS SHEET.

PAINTING STRUCTURAL STEEL NOTES

- TOP VIEW

SECTION VIEW

UNDERSIDE VIEW

DETAIL - CIP CONC CURB LEGEND & SYMBOLS

SCALE: 1 1/2" = 1'-0"

NOTES:
1. INSTALL PASSIVE GALVANIC PROTECTION SYSTEM IN CONCRETE CURBS AS SHOWN IN DETAIL 3 ON SHEET JS-506, TYPICAL.

0' 6" 1' 18"

OWN IN DETAIL 3 ON

CITY OF STAUNTON

**JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS**
STAUNTON VA

REVISION DESCRIPTION

MRK	DATE
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COMM 217031

DATE: 03/12/18

DRAWN:	DSB	DESIGN	SMF
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CHECK: _____ SMP _____

SHEET 1

REPAIR NOTES

SHT. NO.	
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JS-002

REV. NO.



Constant Progress



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COMM		217031	
DATE:		03/12/18	
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CHECK:		SMF	
SHEET			
FOUNDATION/GROUND FLOOR PLAN			
SHT. NO.		REV. NO.	
JS-101			

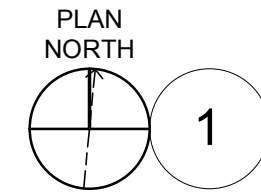


SCALE: 3/32" = 1'-0"

- PLAN NOTES:**
1. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS. FIELD VERIFY.
 2. SEAL HORIZONTAL AND SLOPED SURFACES OF SLAB ON GRADE AS WELL AS ALL ACCESSIBLE SURFACES OF CAST-IN-PLACE CURBS WITH SEALANT. SEE SHEET JS-002 FOR TOPPING SLAB/SLAB ON GRADE SEALANT NOTES.



COMM		217031	
DATE: 03/12/18			
DRAWN: DSB		DESIGN DSB	
CHECK: SMF			
SHEET			
FIRST FLOOR FRAMING PLAN			
SHT. NO. JS-102			REV. NO.



SCALE: 3/32" = 1'-0"

- PLAN NOTES:**
1. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS. FIELD VERIFY.
2.  DENOTES PRECAST CONCRETE SINGLE TEE W/ 2 1/2" TOPPING SLAB.
3. SEAL HORIZONTAL AND SLOPED SURFACES OF TOPPING SLAB AS WELL AS ALL ACCESSIBLE SURFACES OF CAST-IN-PLACE CURBS WITH SEALANT. SEE SHEET JS-002 FOR TOPPING SLAB/SLAB ON GRADE SEALANT NOTES.
4.  DENOTES PRECAST CONCRETE SINGLE TEE NUMBER. SEE ENLARGED PLANS ON SHEETS
- JS-401 - JS-420 FOR CONDITION.
5. CLEAN AND PAINT EXISTING GUARDRAILS. SEE GUARDRAIL PAINT NOTES ON SHEET JS-002.
6. RE-STRIP PARKING GARAGE. SEE RE-STRIPING NOTES ON SHEET JS-002.
7. REMOVE AND REPLACE SEALANT JOINTS BETWEEN EXISTING PRECAST CONCRETE SINGLE TEES. SEE NOTES ON SHEET JS-002.
8. CLEAN AND INSPECT EACH PRECAST CONCRETE SINGLE TEE TO TEE CONNECTIONS. REPAIR OR REPLACE CONNECTIONS PER DETAIL ON SHEET JS-503.
9. CLEAN, REPAIR AND SEAL ALL GUARDRAILS. SEE DETAIL 3 ON SHEET JS-508.
10. INSTALL PASSIVE GALVANIC PROTECTION SYSTEM IN CONCRETE CURBS AS SHOWN IN DETAIL 3 ON SHEET JS-506, TYPICAL.

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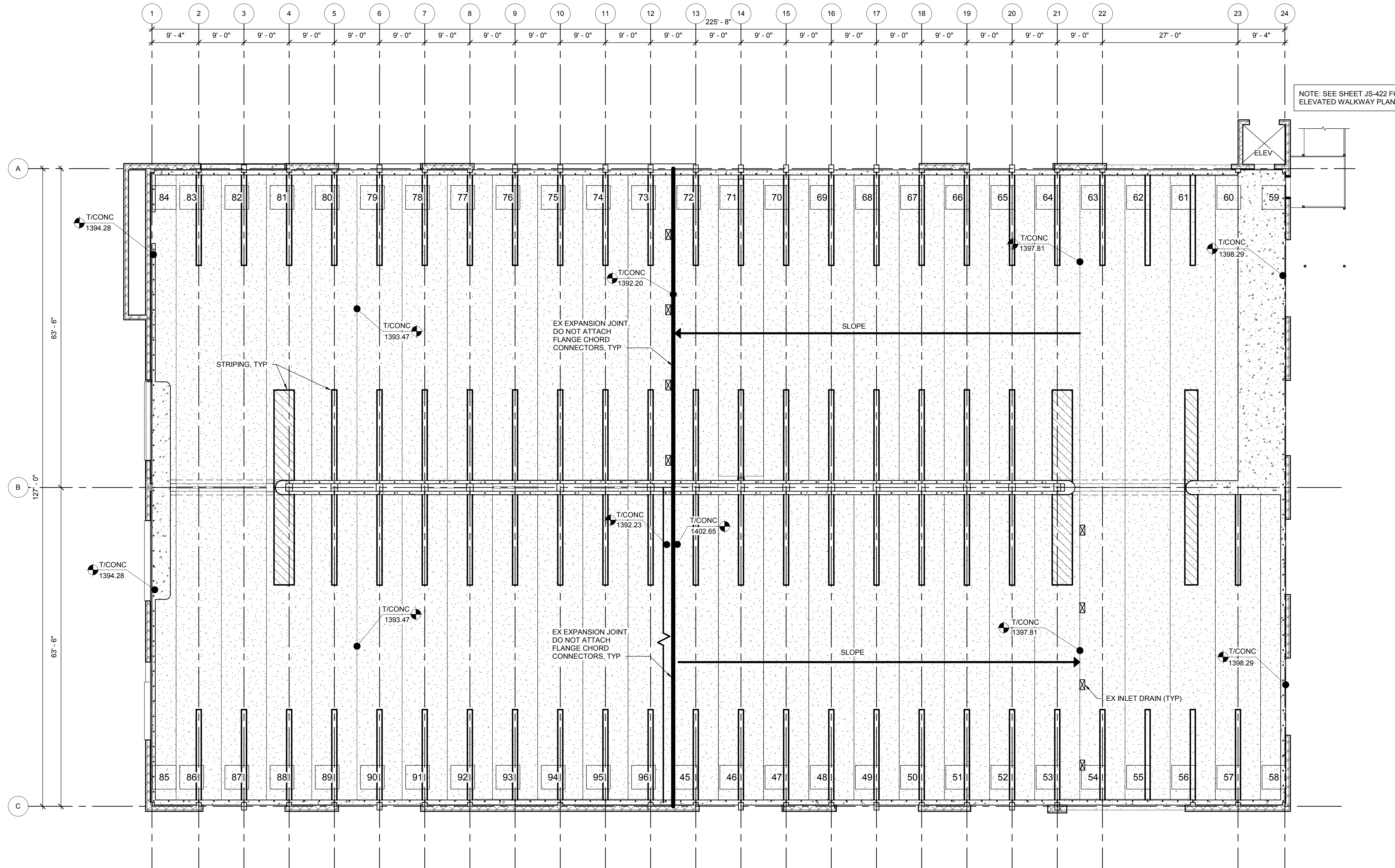
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SECOND FLOOR FRAMING PLAN

SCALE: 3/32" = 1'-0"

PLAN NOTES:

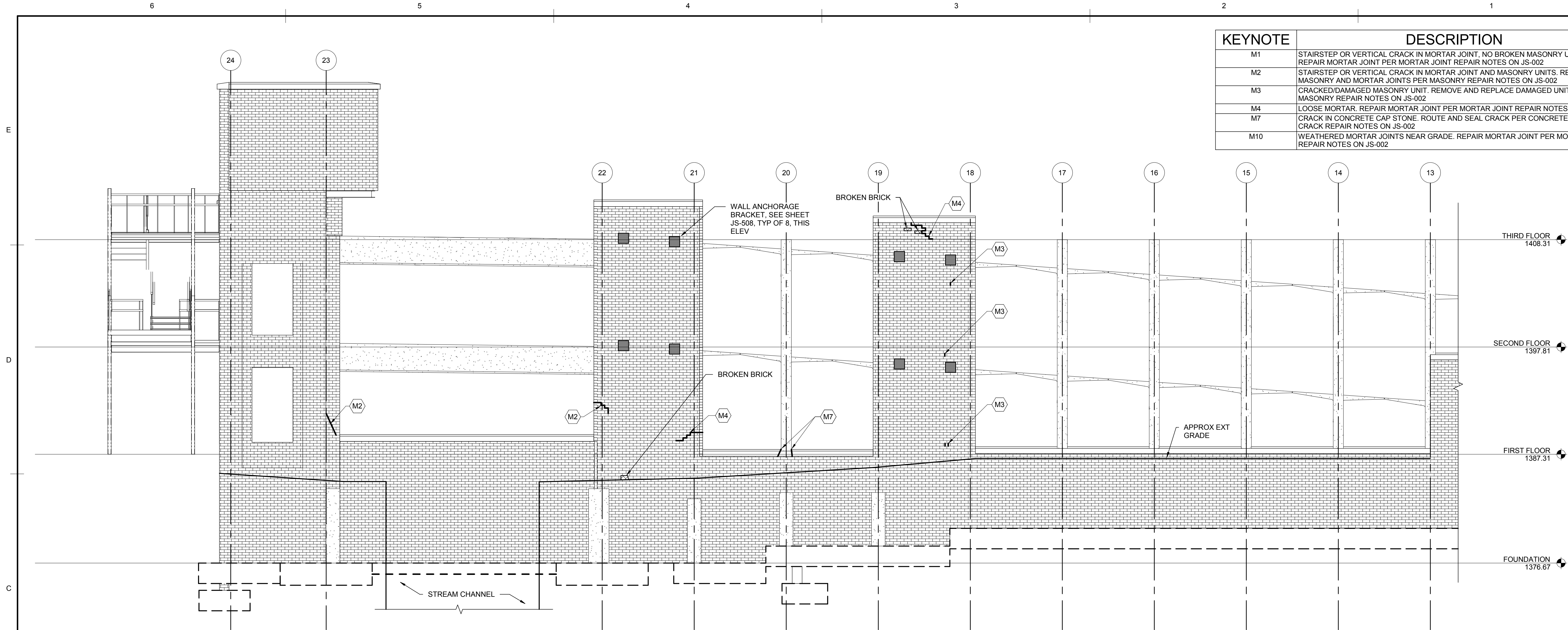
1. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS. FIELD VERIFY.
2. [Symbol] DENOTES PRECAST CONCRETE SINGLE TEE W/ 2 1/2" TOPPING SLAB.
3. SEAL HORIZONTAL AND SLOPED SURFACES OF TOPPING SLAB AS WELL AS ALL ACCESSIBLE SURFACES OF CAST-IN-PLACE CURBS WITH SEALANT, SEE SHEET JS-002 FOR TOPPING SLAB SEALANT NOTES.
4. [XX] DENOTES PRECAST CONCRETE SINGLE TEE NUMBER. SEE ENLARGED PLANS ON SHEETS JS-401 - JS-420 FOR CONDITION.
5. CLEAN AND PAINT EXISTING GUARDRAILS.
6. RE-STRIPE PARKING GARAGE. SEE RE-STRIPING NOTES ON JS-002.
7. REMOVE AND REPLACE SEALANT JOINTS BETWEEN EXISTING PRECAST CONCRETE SINGLE TEES. SEE NOTES ON SHEET JS-002.
8. CLEAN AND INSPECT EACH PRECAST CONCRETE SINGLE TEE TO TEE CONNECTIONS. REPAIR OR REPLACE CONNECTIONS PER DETAIL ON SHEET JS-503.
9. CLEAN, REPAINT AND SEAL ALL GUARDRAILS, SEE DETAIL 3 ON SHEET JS-508.9. CLEAN, REPAINT AND SEAL ALL GUARDRAILS, SEE DETAIL 3 ON SHEET JS-508.
10. INSTALL PASSIVE GALVANIC PROTECTION SYSTEM IN CONCRETE CURBS AS SHOWN IN DETAIL 3 ON SHEET JS-506, TYPICAL.



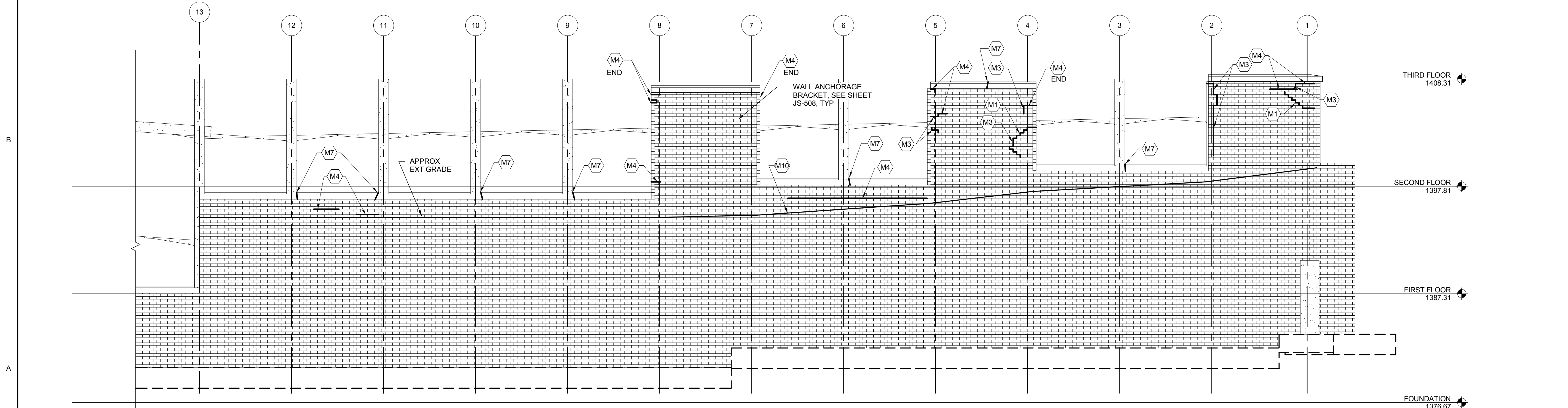
NOTE: SEE SHEET JS-422 FOR
ELEVATED WALKWAY PLAN

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A REAR ELEVATION - EXTERIOR
SCALE: 3/16" = 1'-0"



B REAR ELEVATION - EXTERIOR
SCALE: 3/16" = 1'-0"



KEYNOTE	DESCRIPTION
M1	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT. NO BROKEN MASONRY UNITS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M2	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT AND MASONRY UNITS. REPAIR MASONRY AND MORTAR JOINTS PER MASONRY REPAIR NOTES ON JS-002
M3	CRACKED/DAMAGED MASONRY UNIT. REMOVE AND REPLACE DAMAGED UNIT PER MASONRY REPAIR NOTES ON JS-002
M4	LOOSE MORTAR. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M7	CRACK IN CONCRETE CAP STONE. ROUTE AND SEAL CRACK PER CONCRETE CAPSTONE CRACK REPAIR NOTES ON JS-002
M10	WEATHERED MORTAR JOINTS NEAR GRADE. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002

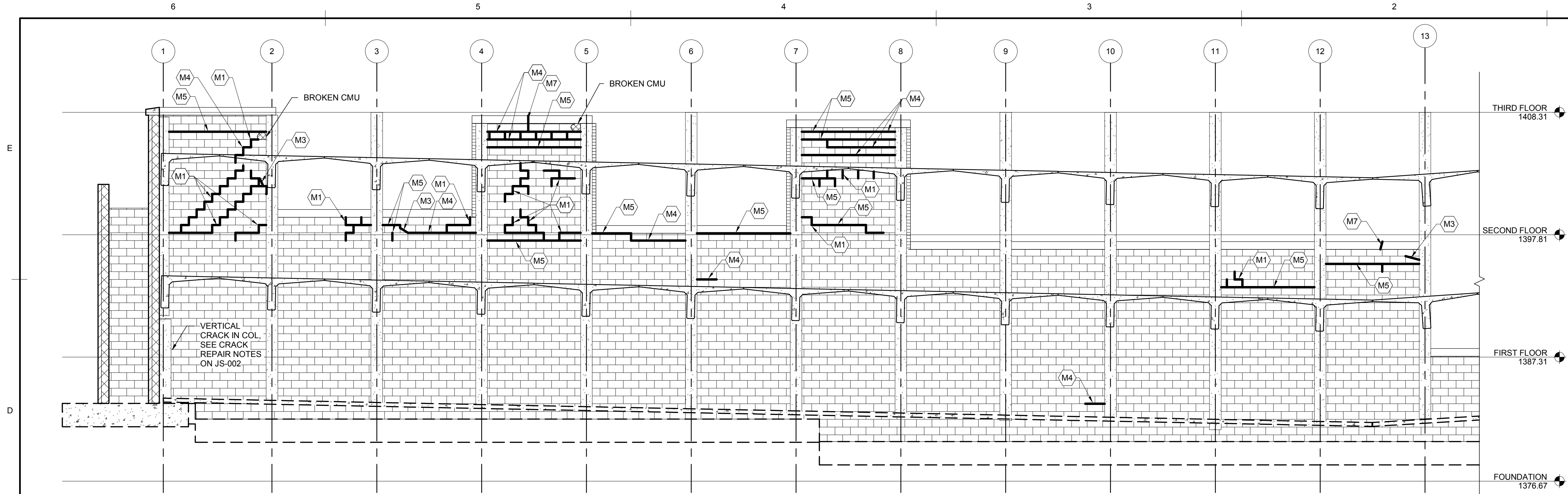


CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

REVISION DESCRIPTION		MRK	DATE
COMM	217031		
DATE:	03/12/18		
DRAWN:	DSB DESIGN	DSB	
CHECK:	SMF		
SHEET			
REAR ELEVATION - EXTERIOR			
SHT. NO.	JS-201	REV. NO.	

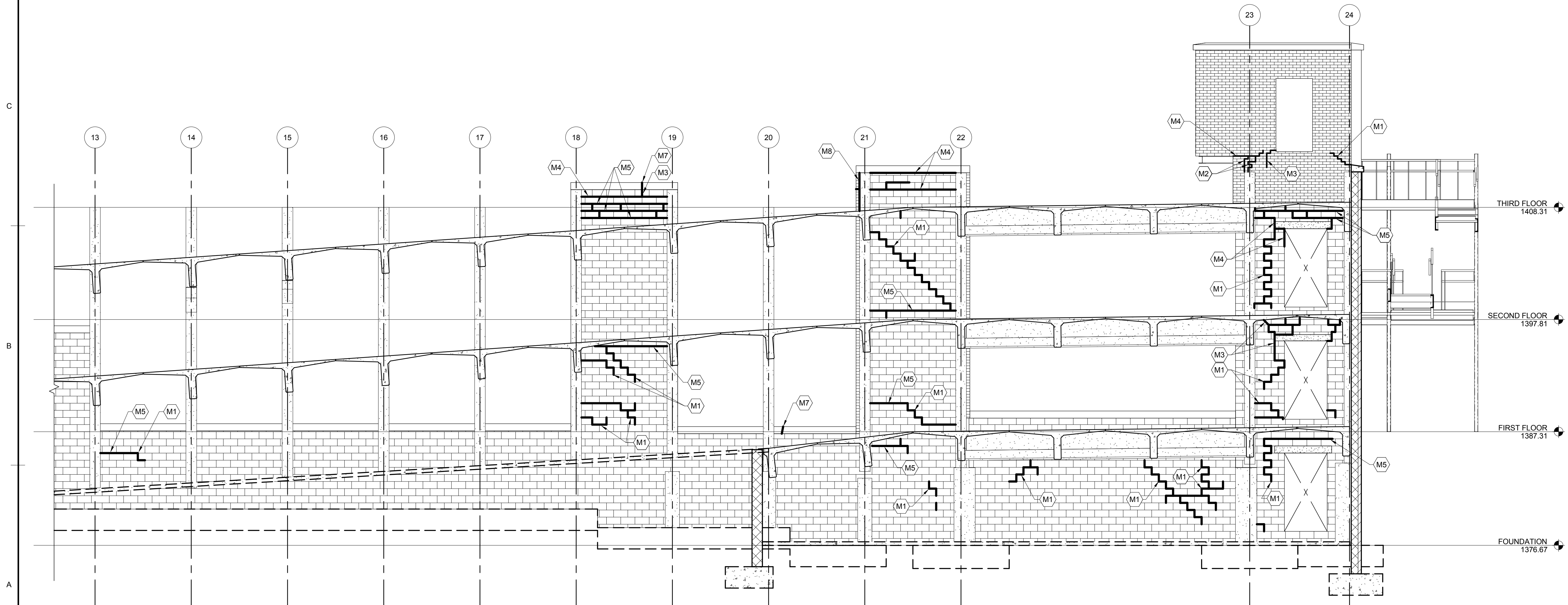
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A REAR ELEVATION - INTERIOR

SCALE: 3/16" = 1'-0"



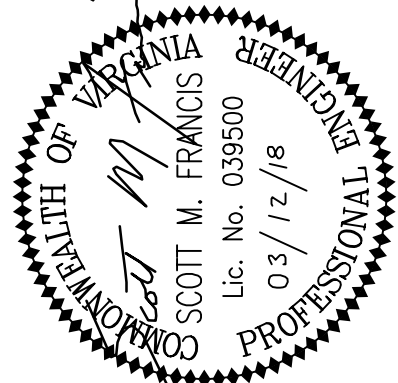
B REAR ELEVATION - INTERIOR

SCALE: 3/16" = 1'-0"



CITY OF STAUNTON

JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA



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DATE

COMM 217031

DATE: 03/12/18

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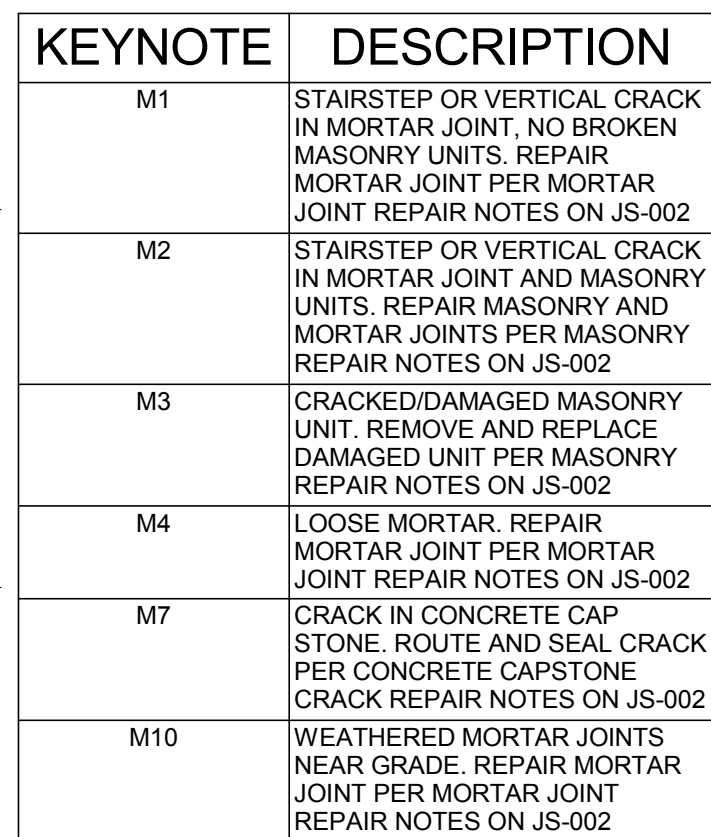
SHEET

REAR ELEVATION -
INTERIOR

SHT. NO.

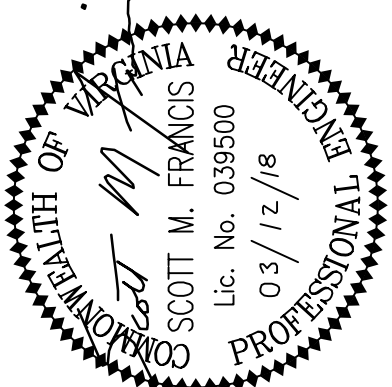
JS-202

REV. NO.



SCALE: 3/16" = 1'-0"

SCALE: 3/16" = 1'-0"



CITY OF STAUNTON

JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS

STAUNTON, VA

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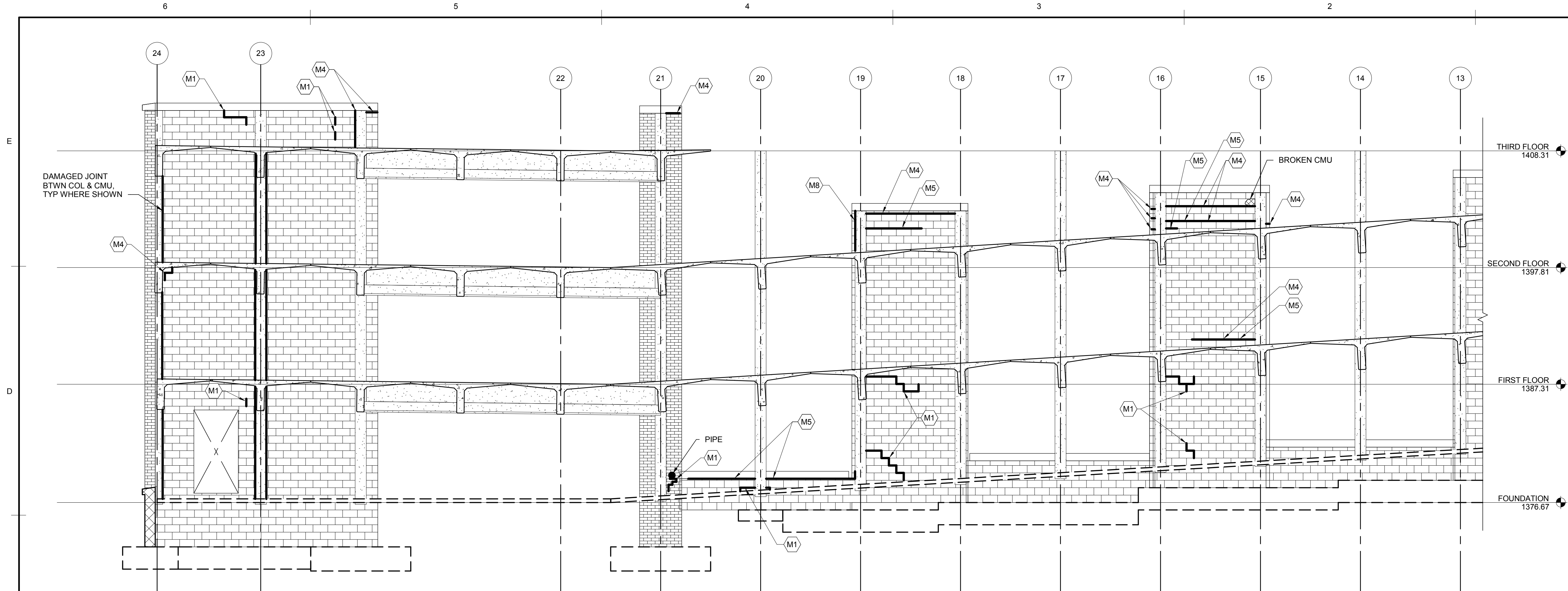
COMM	217031		
DATE:	03/12/18		
DRAWN:	DSB	DESIGN	DSB
CHECK:	SMF		
SHEET			

FRONT ELEVATION -
EXTERIOR

SHT. NO. JS-203	REV. NO.
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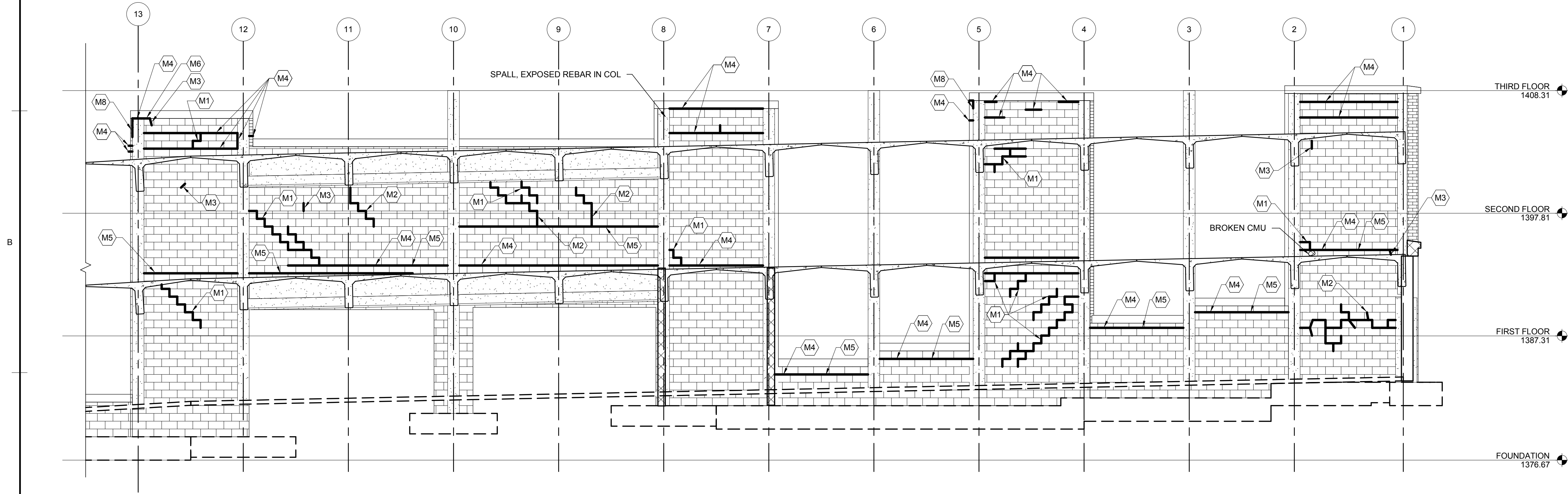
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A FRONT ELEVATION - INTERIOR (WEST JOHNSON ST)

SCALE: 3/16" = 1'-0"



B FRONT ELEVATION - INTERIOR (WEST JOHNSON ST)

SCALE: 3/16" = 1'-0"



KEYNOTE	DESCRIPTION
M1	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT. NO BROKEN MASONRY UNITS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M2	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT AND MASONRY UNITS. REPAIR MASONRY AND MORTAR JOINTS PER MASONRY REPAIR NOTES ON JS-002
M3	CRACKED/DAMAGED MASONRY UNIT. REMOVE AND REPLACE DAMAGED UNIT PER MASONRY REPAIR NOTES ON JS-002
M4	LOOSE MORTAR. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M5	HORIZONTAL CRACK IN MORTAR JOINT. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M6	SHIFTED/DISPLACED BRICK. REMOVE AND REPLACE AREA SHOWN
M8	VERTICAL CRACK IN MORTAR JOINT BETWEEN BRICK VENEER AND CMU AT RETURNS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002

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SCOTT M. FRANCIS
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03/12/18
PROFESSIONAL ENGINEER

CITY OF STAUNTON

JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

REVISION DESCRIPTION

DATE

MRK

COMM 217031

DATE: 03/12/18

DRAWN: DSB DESIGN DSB

CHECK: SMF

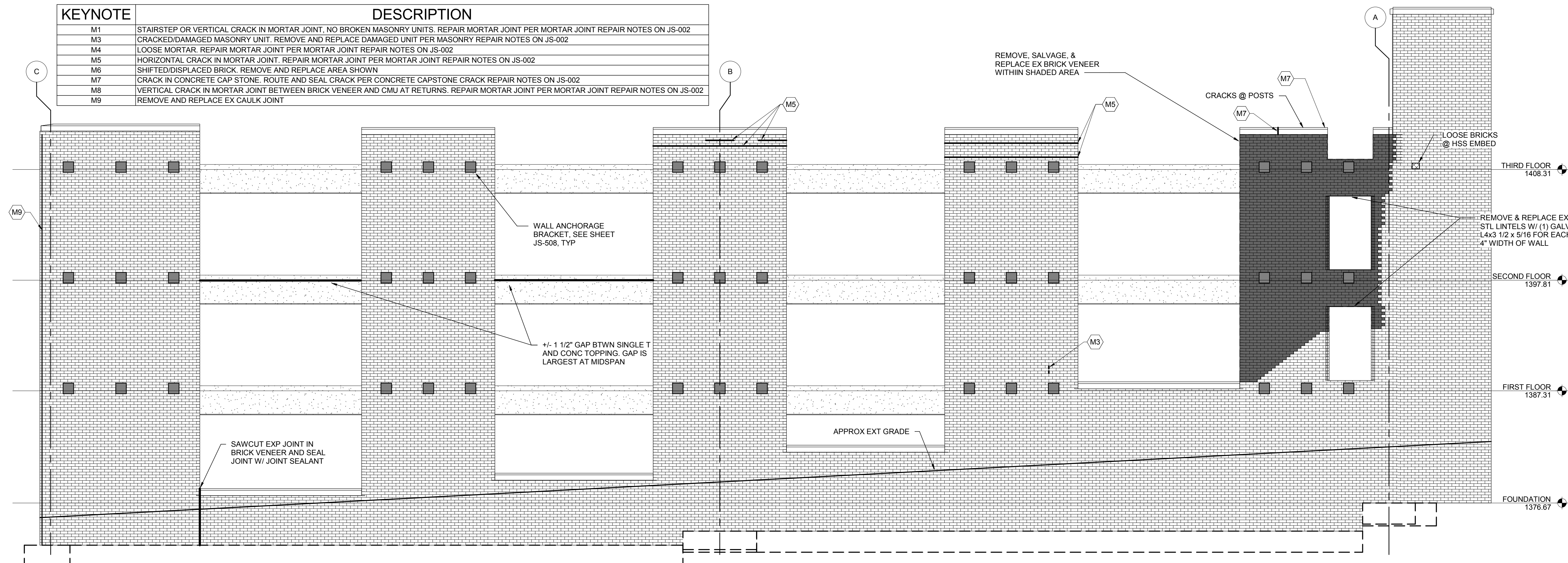
SHEET

FRONT ELEVATION -
INTERIOR

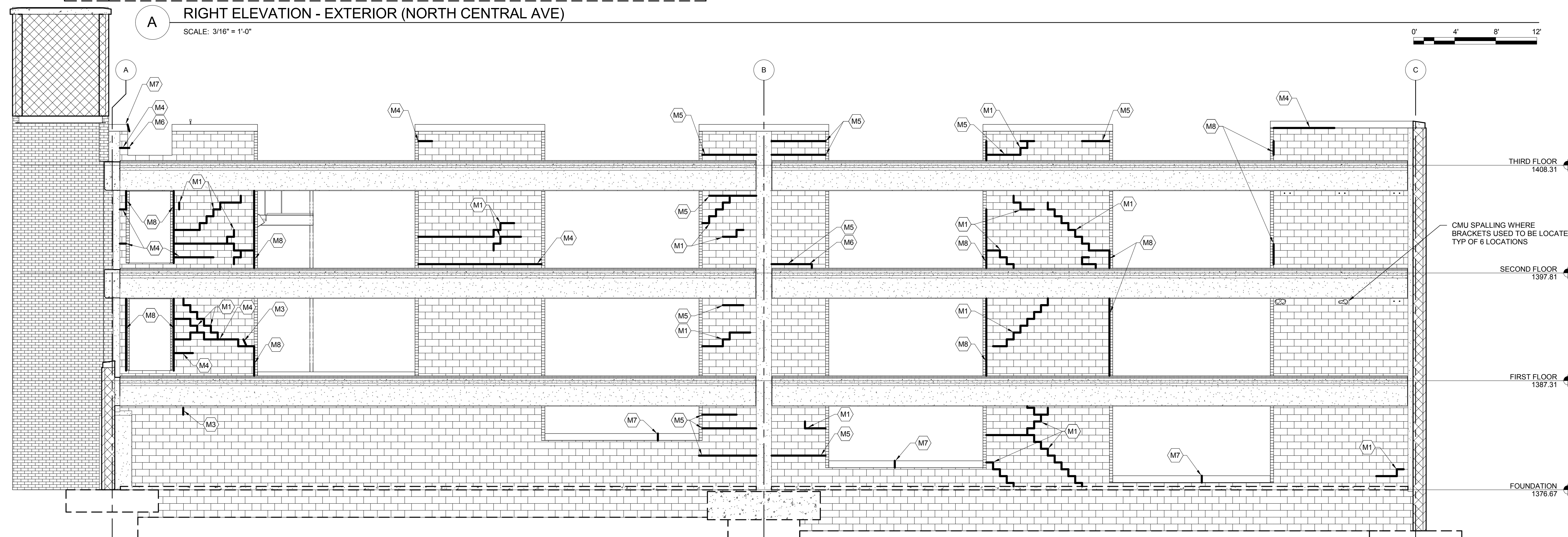
SHT. NO.
JS-204

REV. NO.

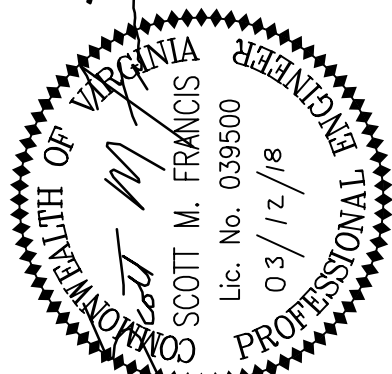
KEYNOTE	DESCRIPTION
M1	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT, NO BROKEN MASONRY UNITS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M3	CRACKED/DAMAGED MASONRY UNIT. REMOVE AND REPLACE DAMAGED UNIT PER MASONRY REPAIR NOTES ON JS-002
M4	LOOSE MORTAR. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M5	HORIZONTAL CRACK IN MORTAR JOINT. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M6	SHIFTED/DISPLACED BRICK. REMOVE AND REPLACE AREA SHOWN
M7	CRACK IN CONCRETE CAP STONE. ROUTE AND SEAL CRACK PER CONCRETE CAPSTONE CRACK REPAIR NOTES ON JS-002
M8	VERTICAL CRACK IN MORTAR JOINT BETWEEN BRICK VENEER AND CMU AT RETURNS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON JS-002
M9	REMOVE AND REPLACE EX CAULK JOINT



A RIGHT ELEVATION - EXTERIOR (NORTH CENTRAL AVE)
SCALE: 3/16" = 1'-0"

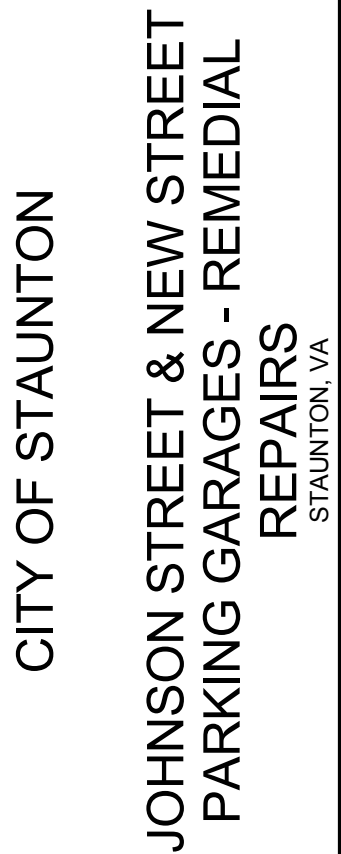


B RIGHT ELEVATION -INTERIOR (NORTH CENTRAL AVE)
SCALE: 3/16" = 1'-0"



CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

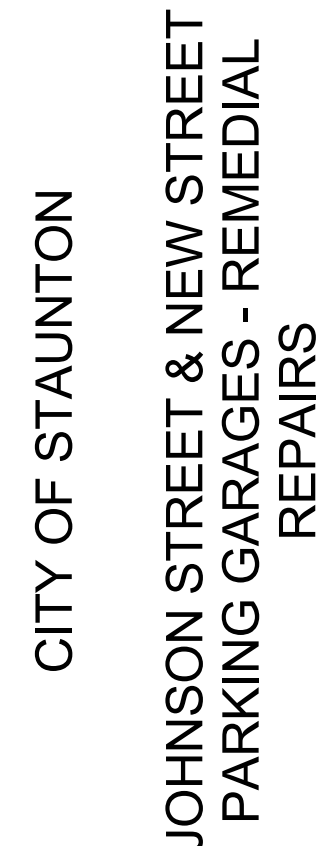
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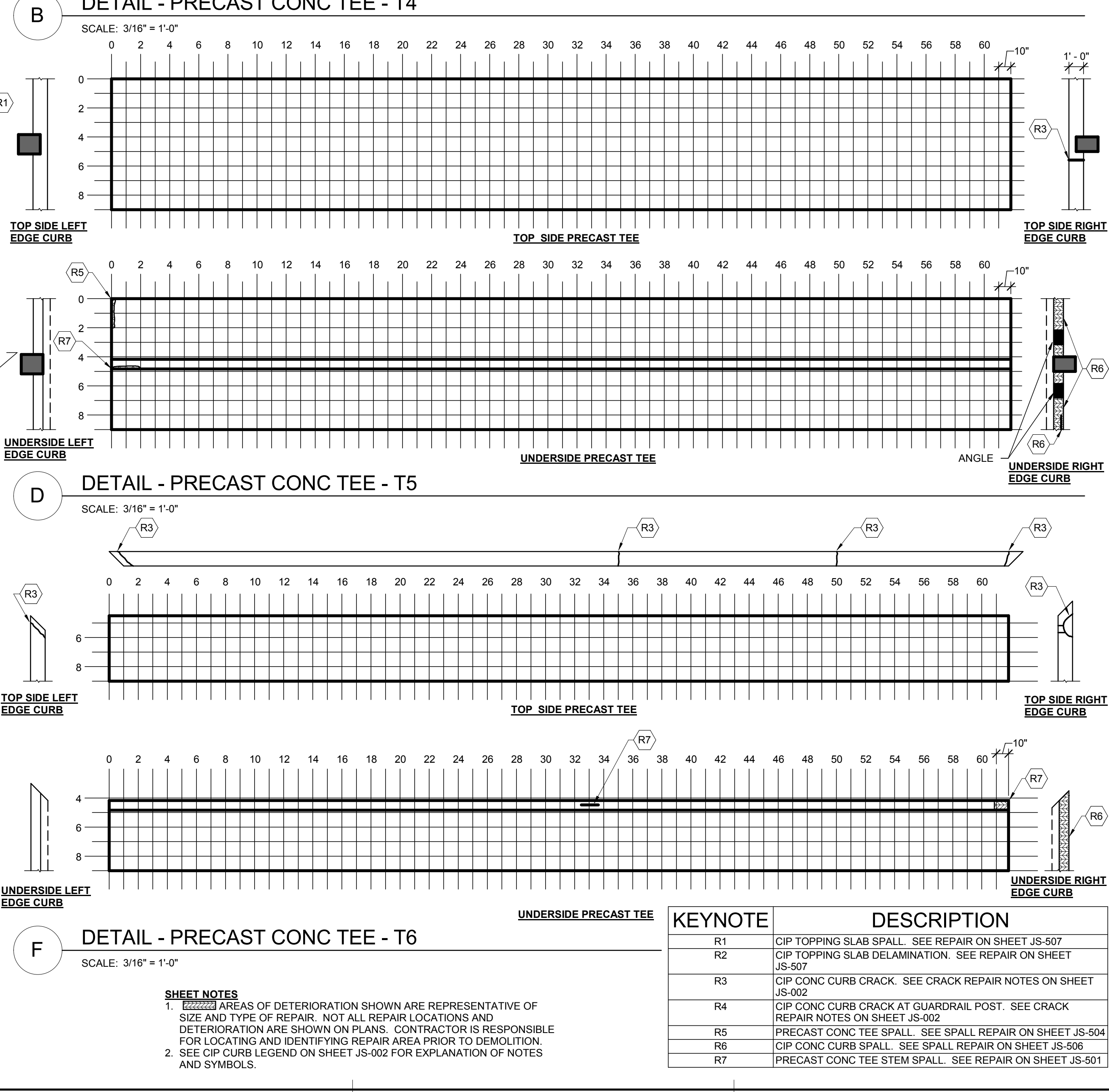
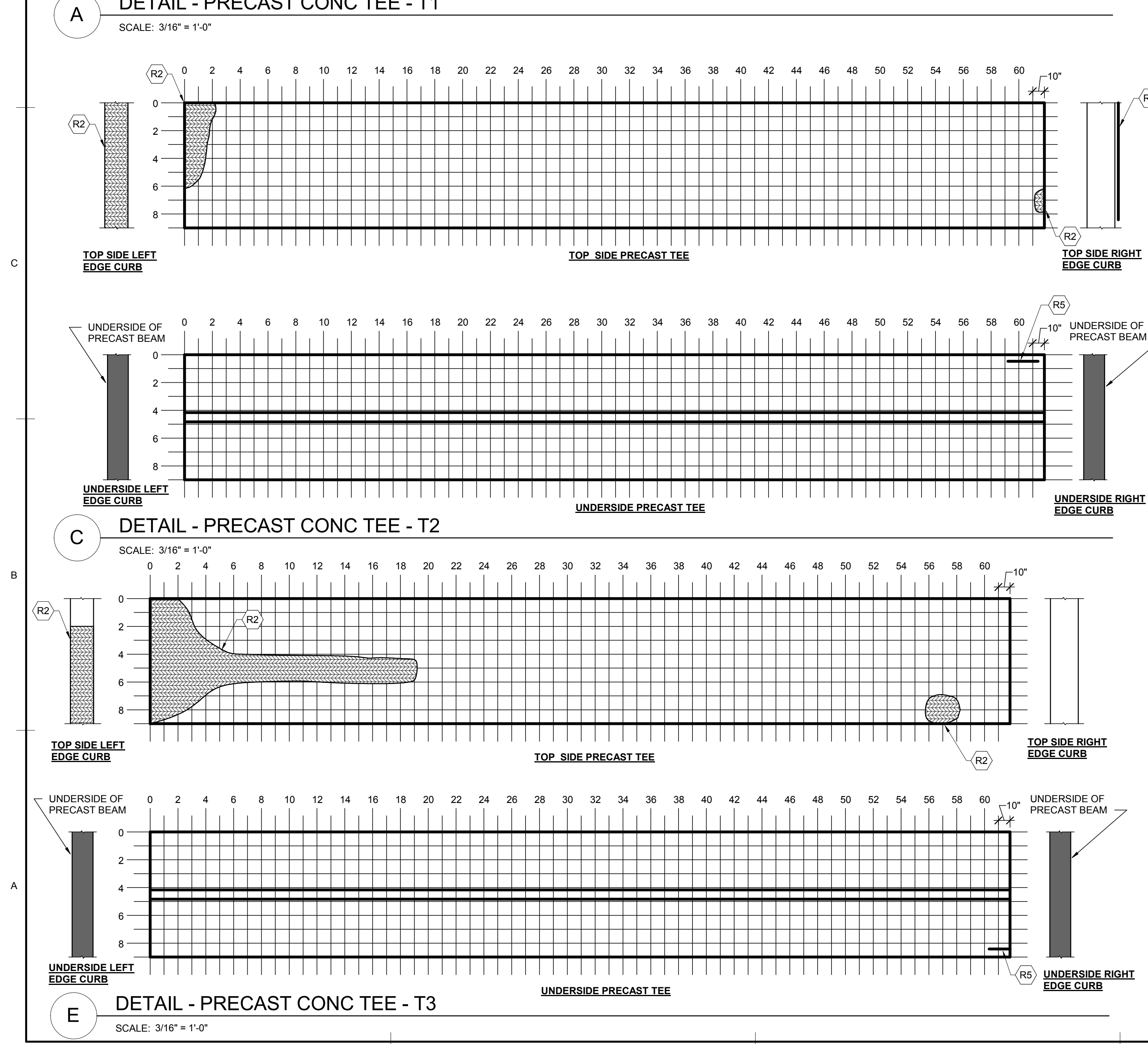
COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	DSB
CHECK:		SMF	
SHEET			
ELEVATOR MACHINE ROOM ELEVATION - INTERIOR			
SHT. NO.		REV. NO.	
JS-207			

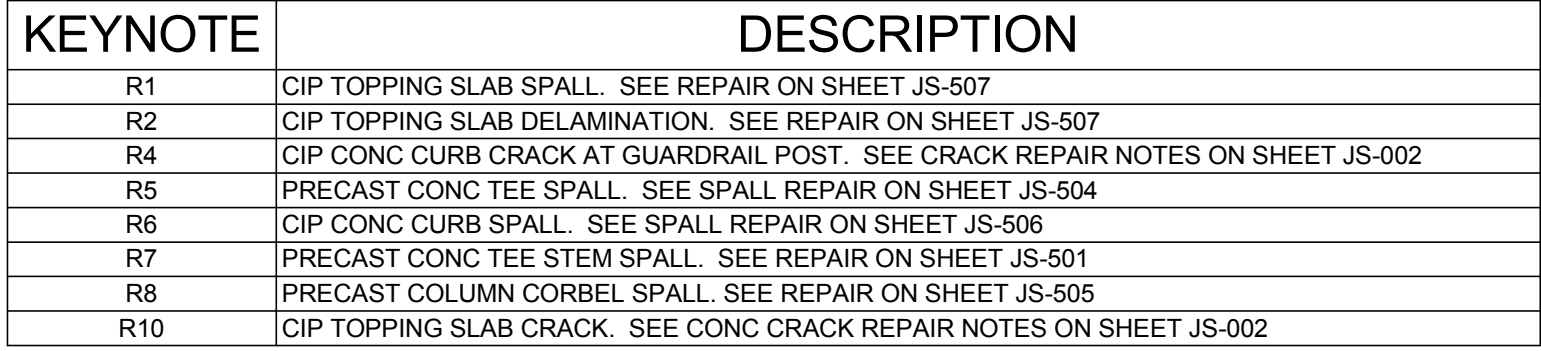
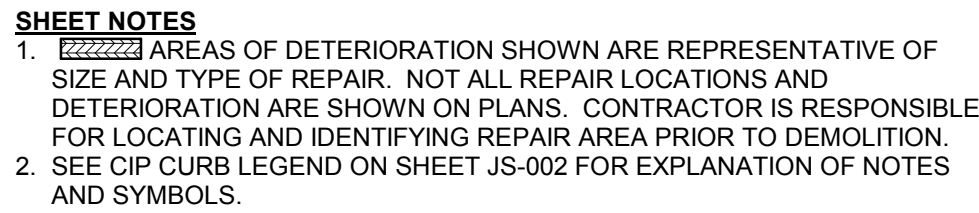


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COMM		217031	
DATE:		03/12/18	
DRAWN:		DSB	DESIGN
CHECK:		SM	
SHEET			
PRECAST CONCRETE PLANKS #1-6			
SHT. NO.		REV. NO.	
JS-401			

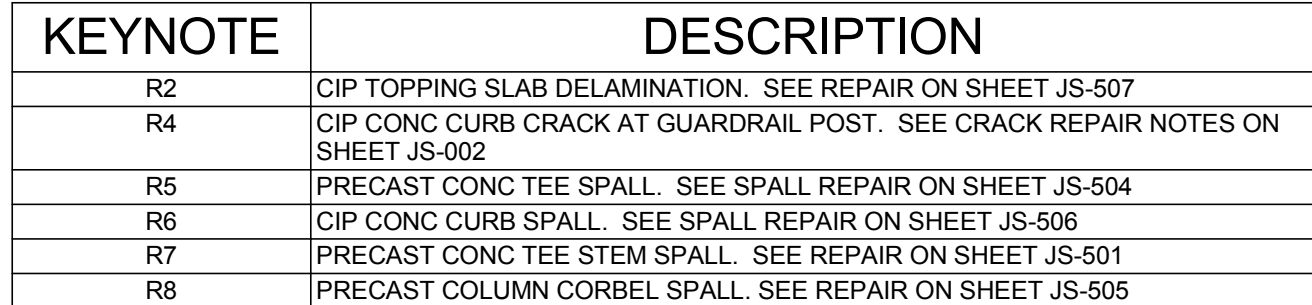
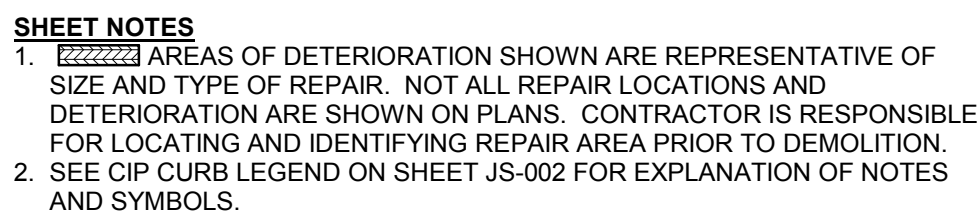


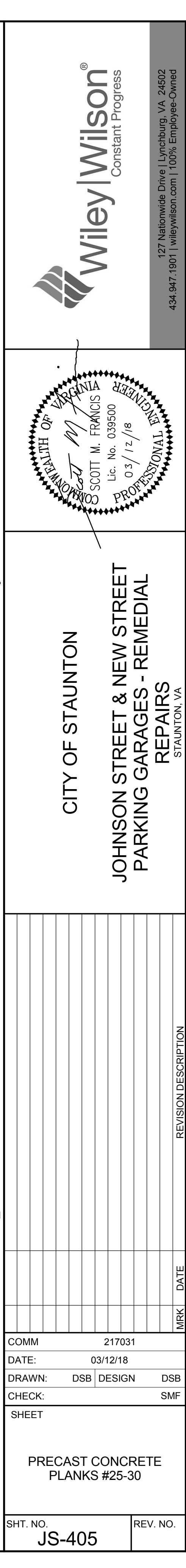
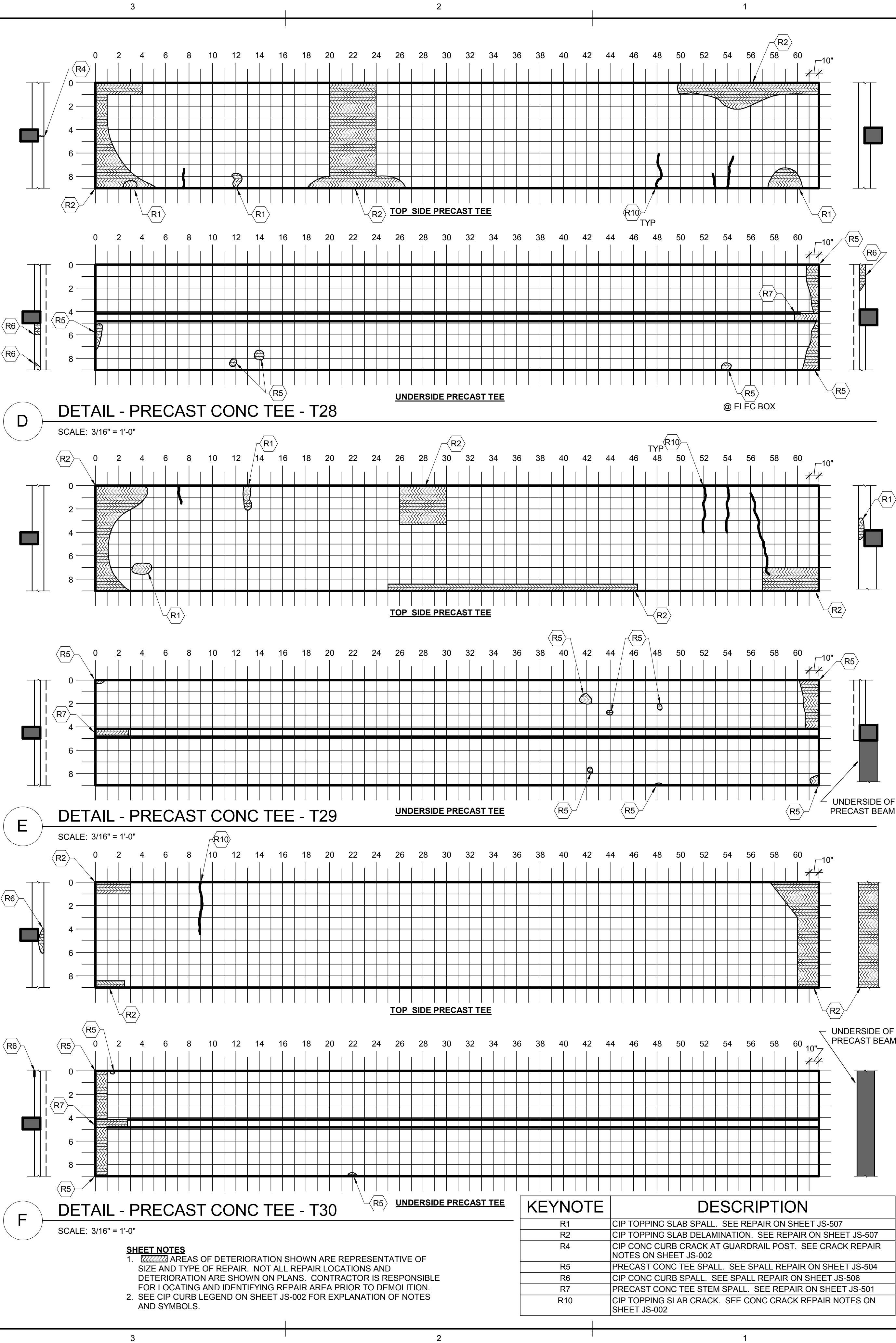


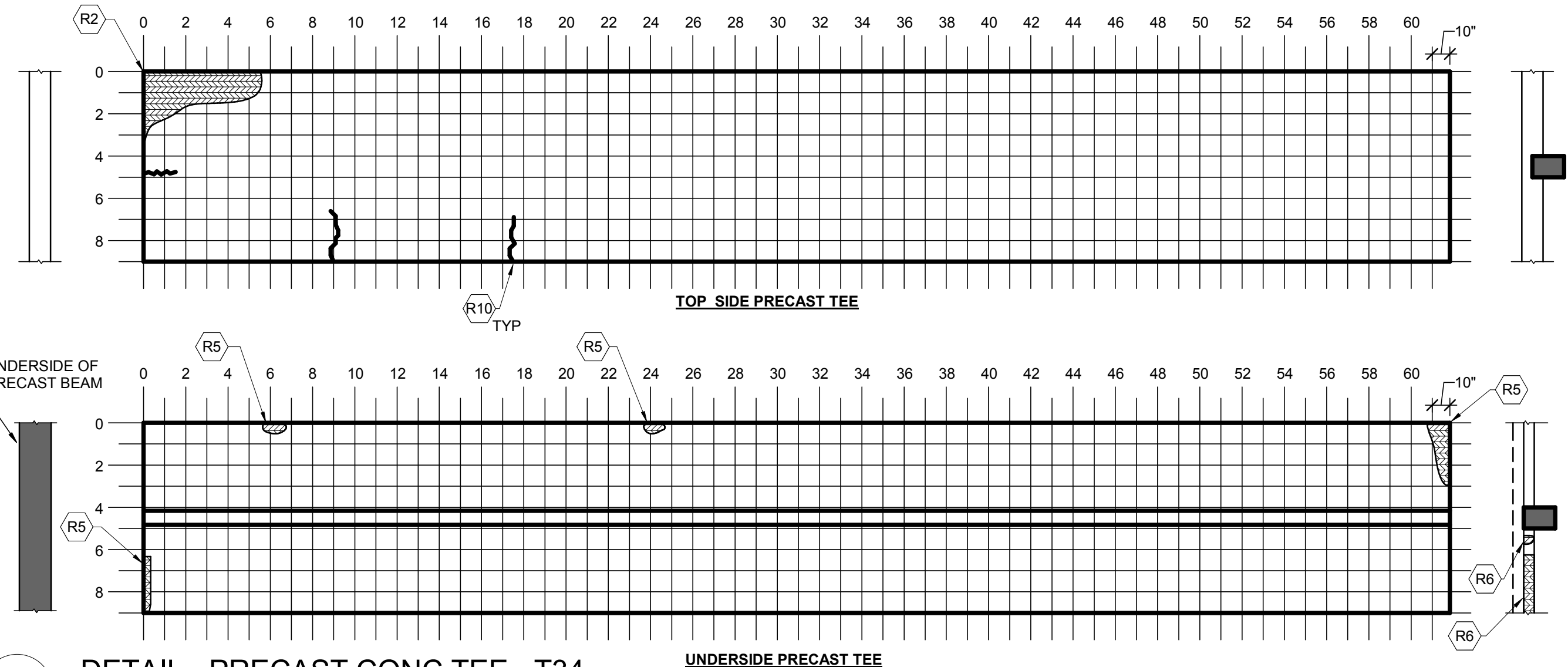


COMM		217031	
DATE:		03/12/18	
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SHEET			

SHT. NO. JS-404	REV. NO.
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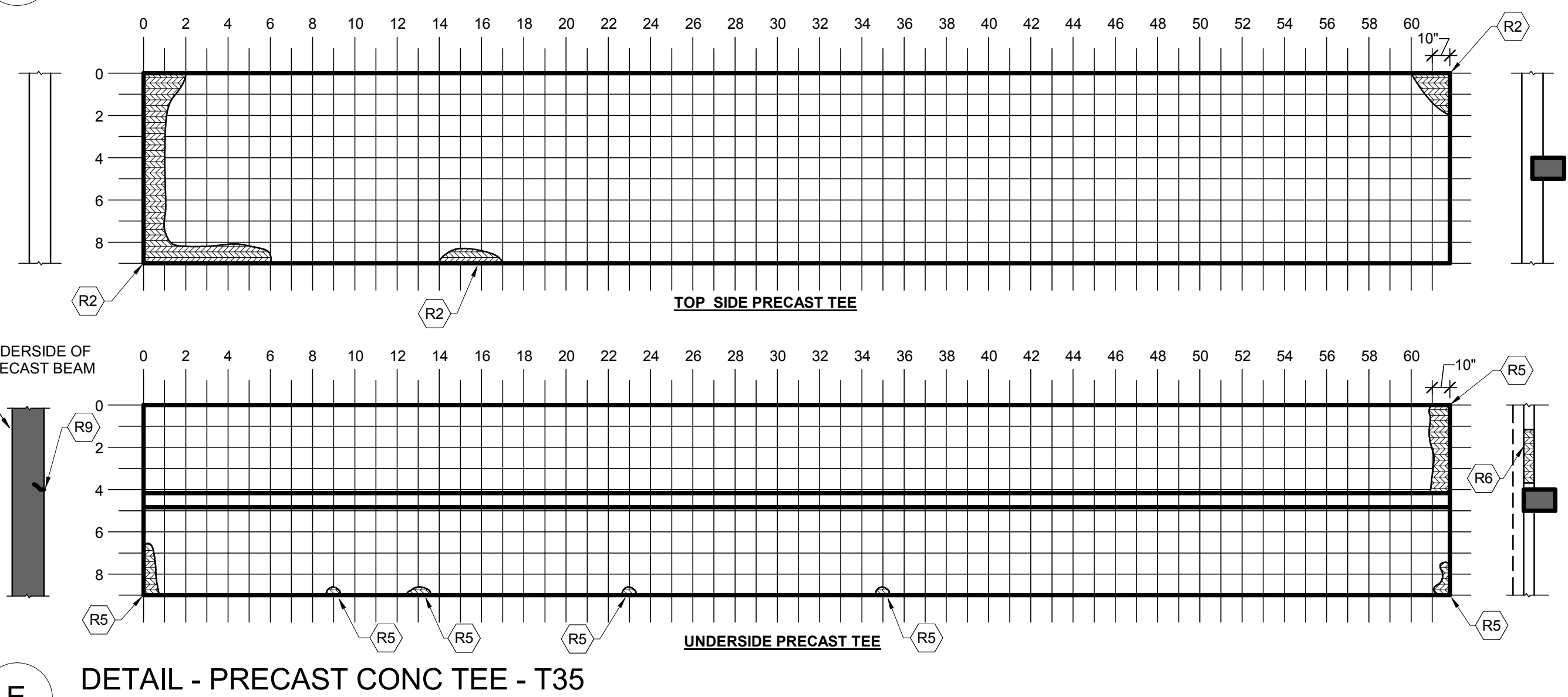






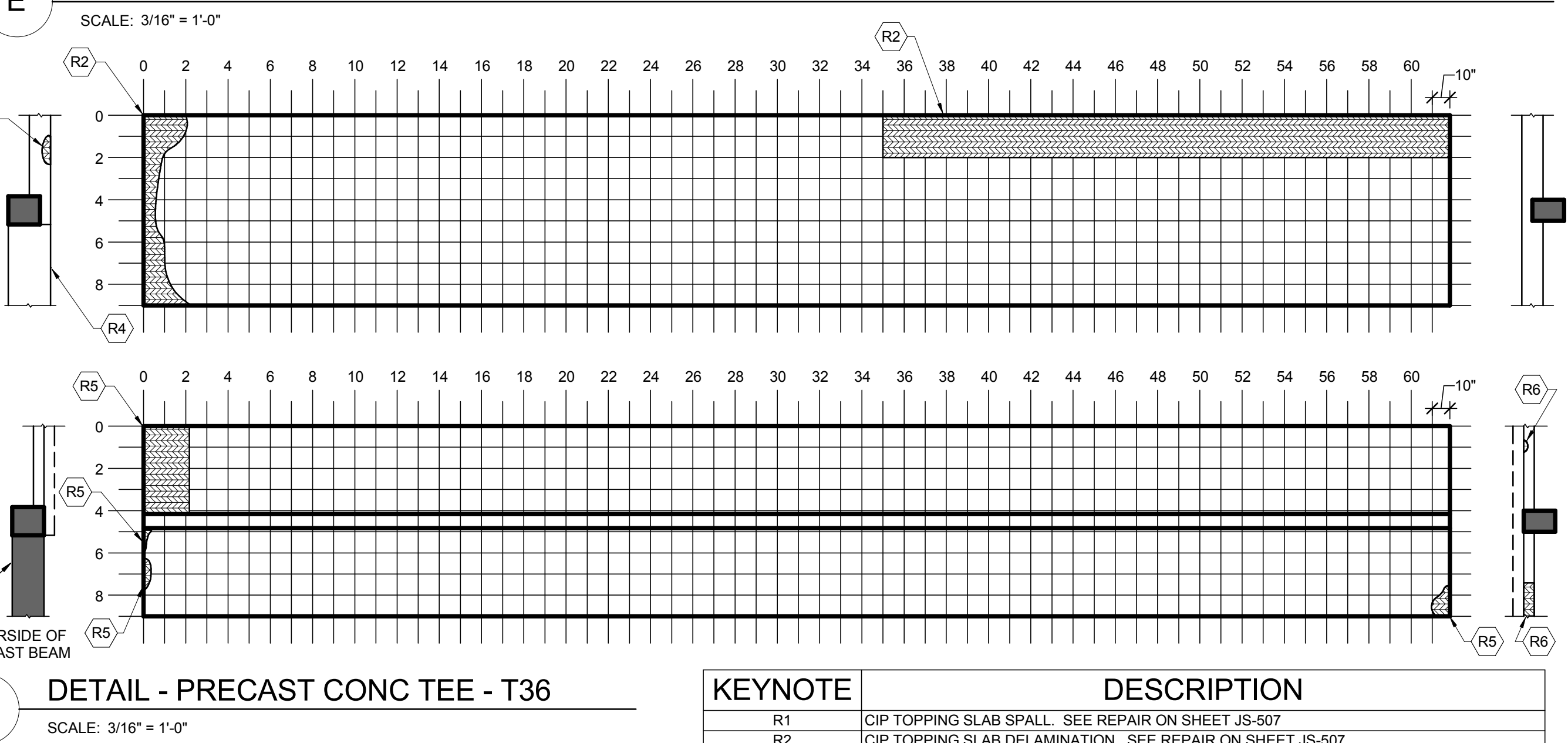
DETAIL - PRECAST CONC TEE - T34

SCALE: 3/16" = 1'-0"



DETAIL - PRECAST CONC TEE - T35

SCALE: 3/16" = 1'-0"



DETAIL - PRECAST CONC TEE - T36

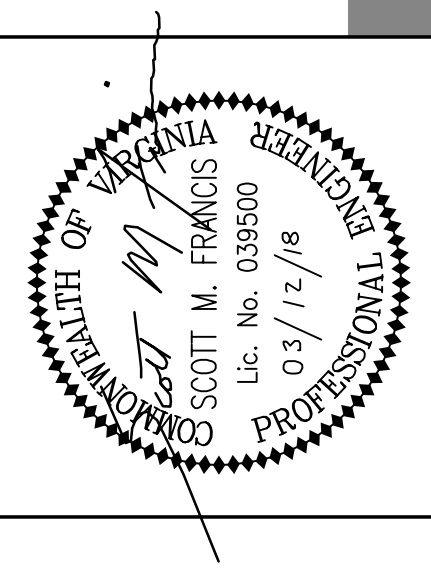
SCALE: 3/16" = 1'-0"

KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R9	PRECAST CONC BEAM SPALL. SEE NON-BEARING END REPAIR ON SHEET JS-501, SIMILAR
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

COMM	217031		
DATE:	03/12/18		
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SHEET			

PRECAST CONCRETE
PLANKS #31-36

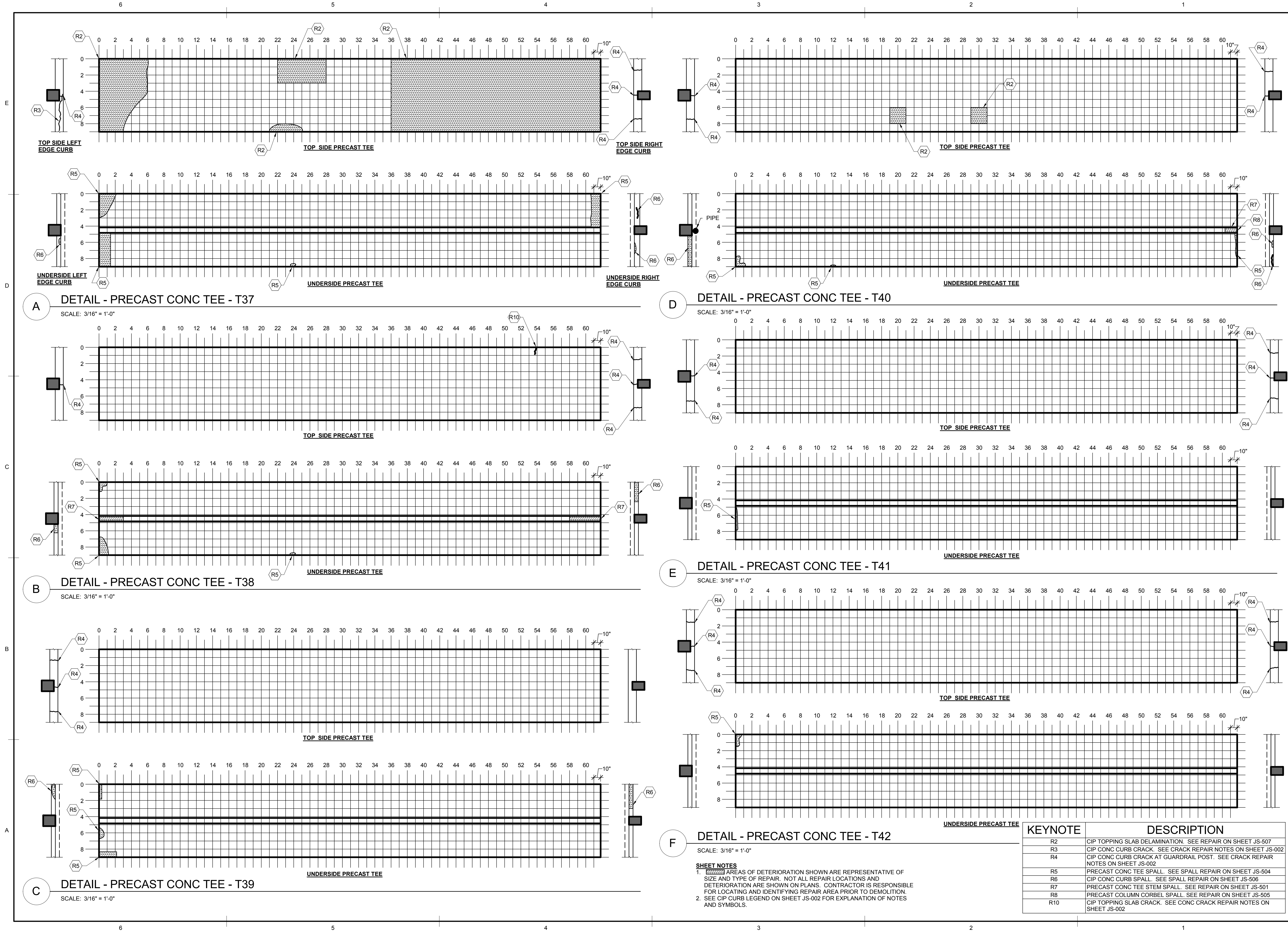
SHT. NO. JS-406	REV. NO.
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CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

REVISION DESCRIPTION

DATE	AMOUNT
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SHEET NOTES
1. AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

KEYNOTE	DESCRIPTION
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R3	CIP CONC CURB CRACK. SEE CRACK REPAIR NOTES ON SHEET JS-002
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

COMM	217031
DATE:	03/12/18
DRAWN:	DSB DESIGN DSB
CHECK:	SMF
SHEET	
PRECAST CONCRETE PLANKS #37-42	
SHT. NO. JS-407	REV. NO.

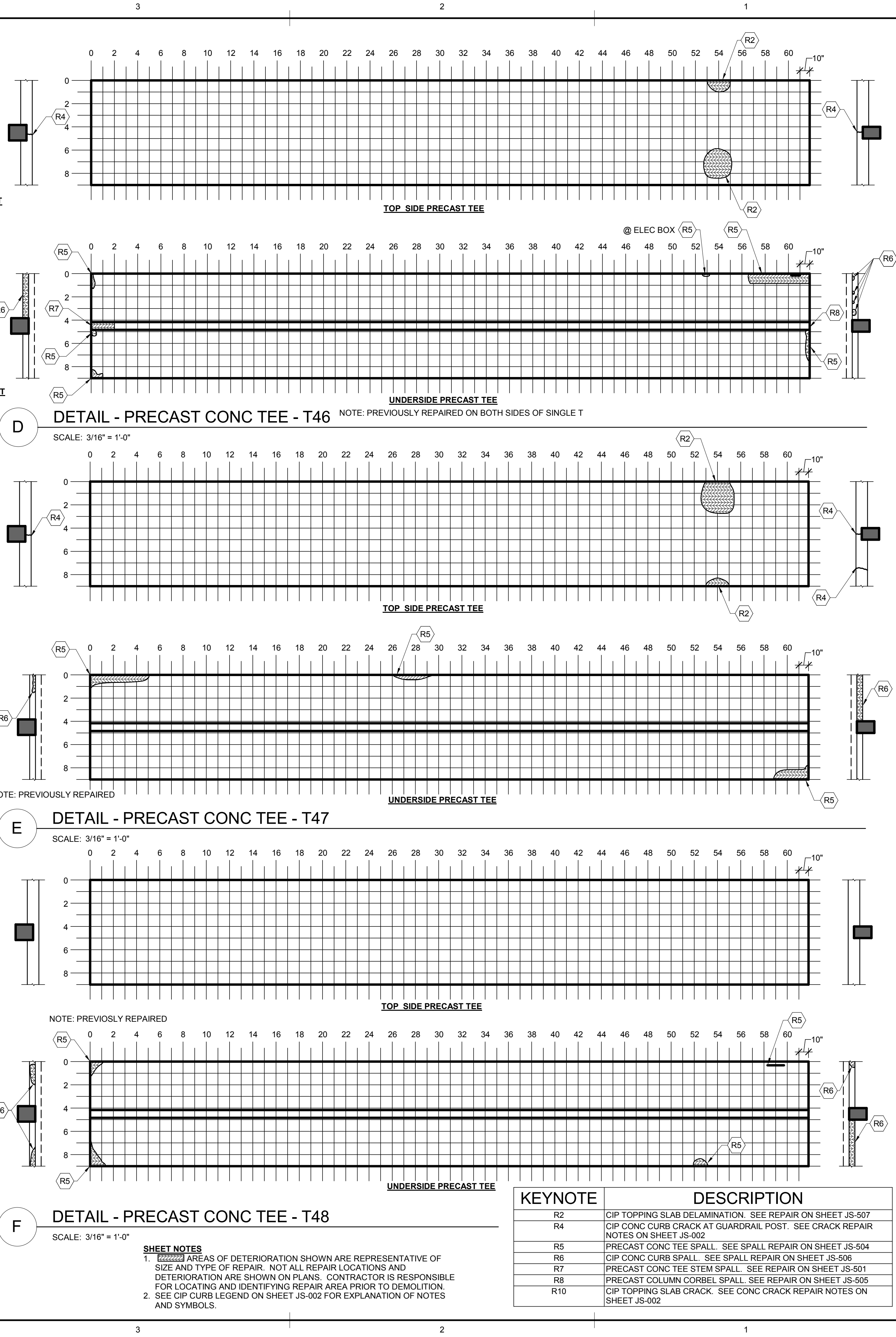
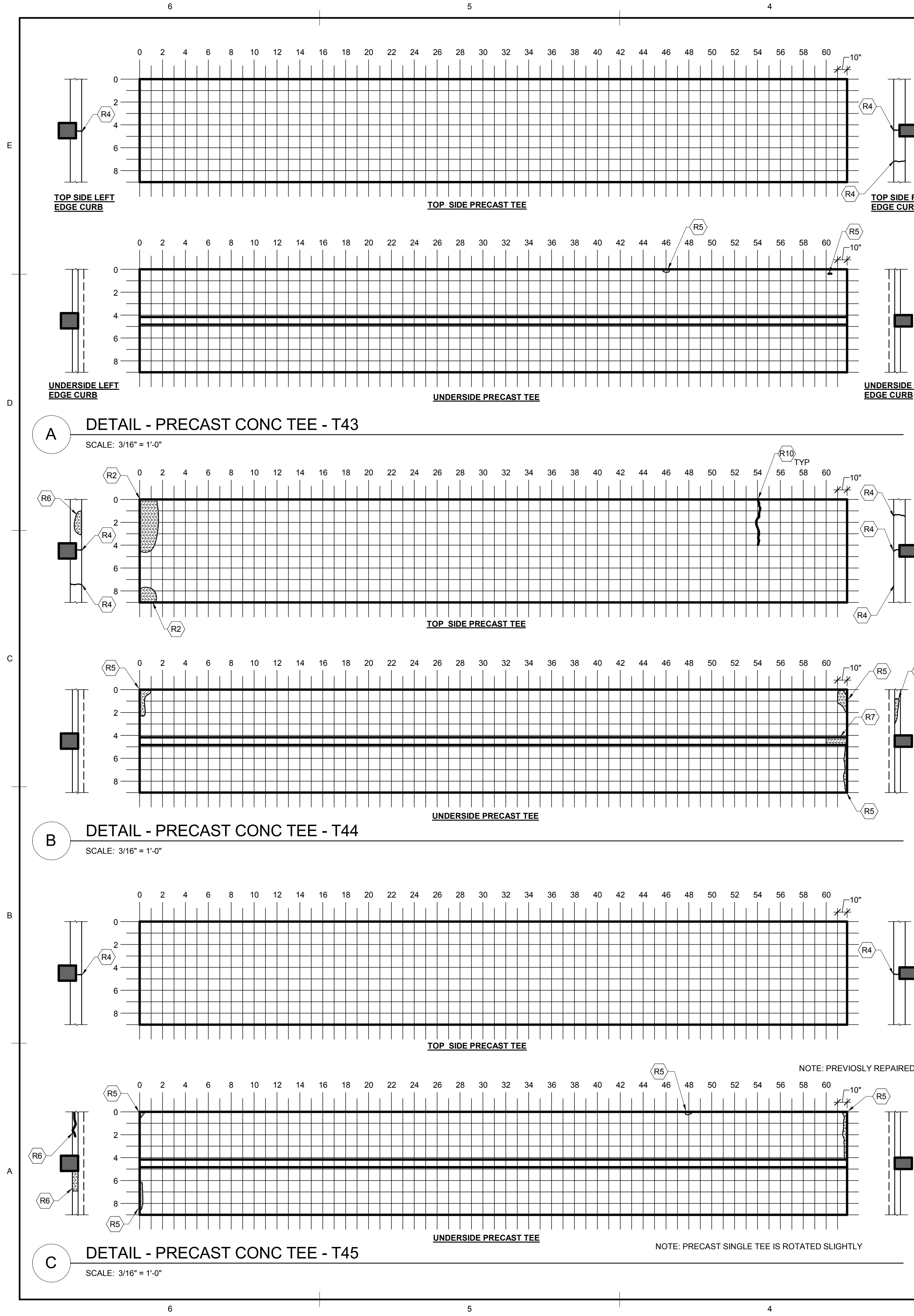
CITY OF STAUNTON

JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

SCOTT M. FRANCIS
Lic. No. 039500
03/12/18
PROFESSIONAL ENGINEER
STATE OF VIRGINIA

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CITY OF STAUNTON

JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

REV.	DATE	DESCRIPTION
1	03/12/18	217031
2	03/12/18	217031
3	03/12/18	217031
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57	03/12/18	217031
58	03/12/18	217031
59	03/12/18	217031
60	03/12/18	217031

COMM 217031

DATE: 03/12/18

DRAWN: DSB DESIGN DSB

CHECK: SMF

SHEET

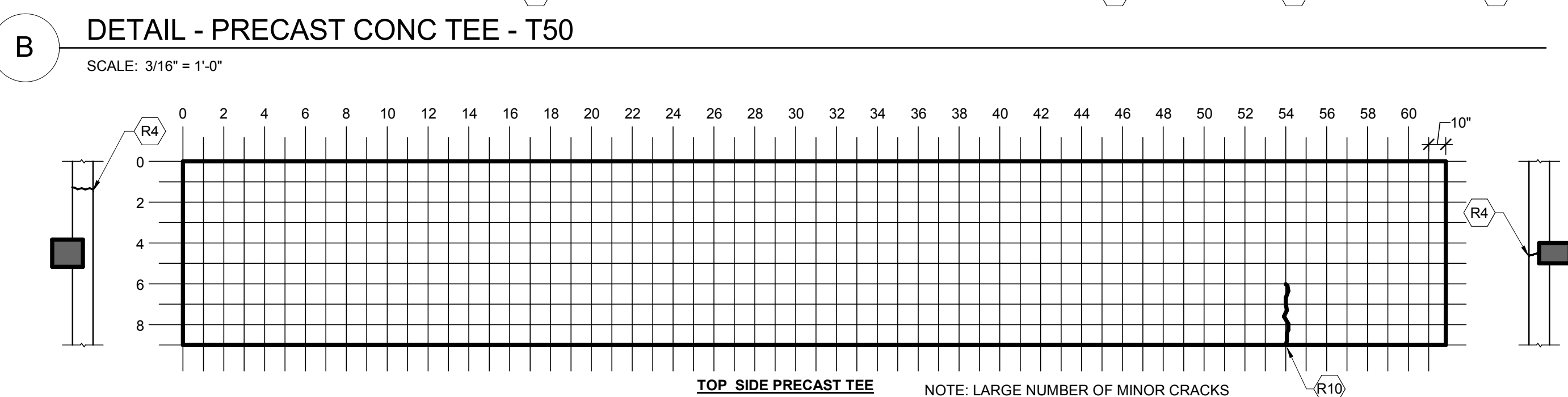
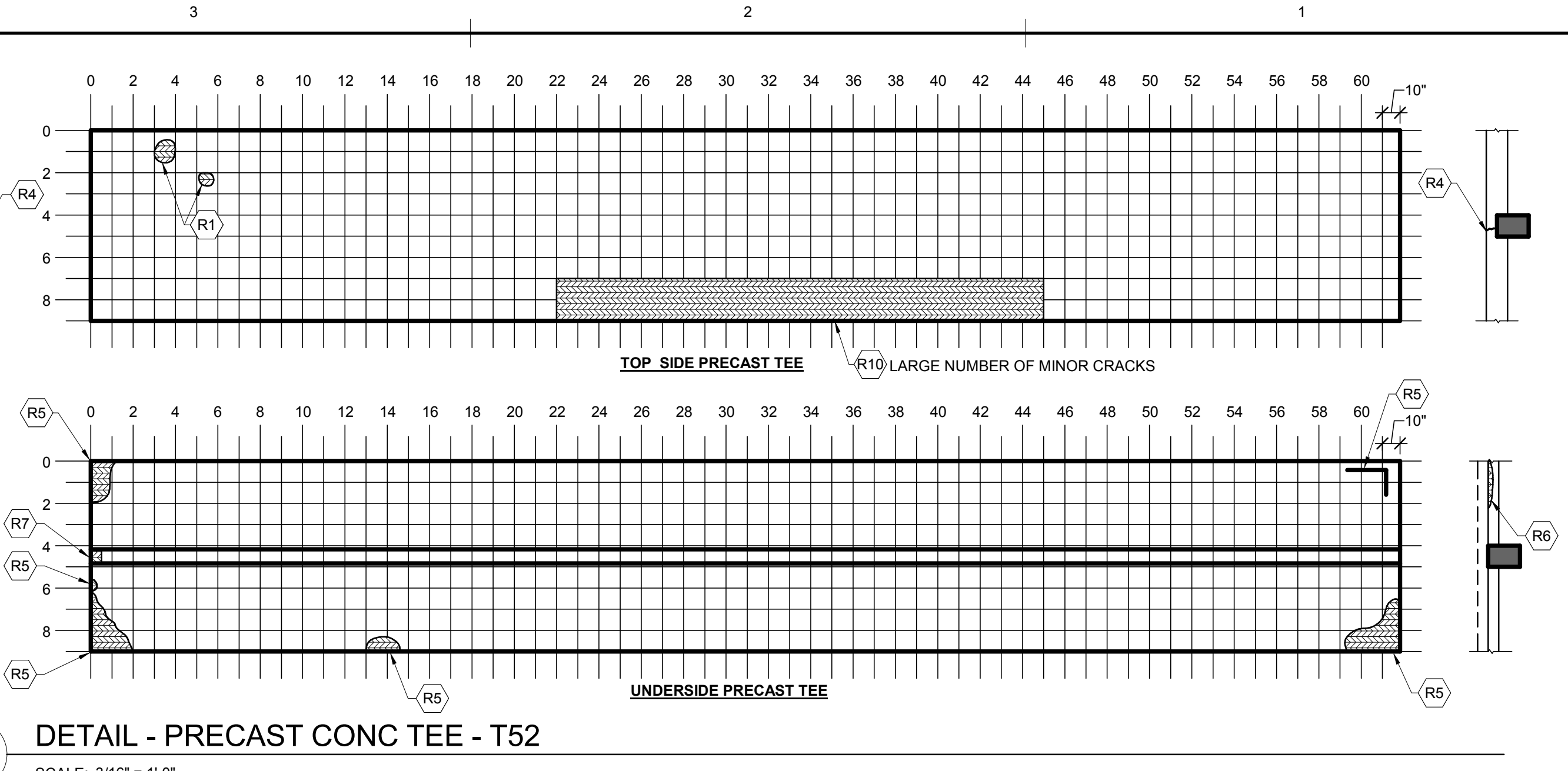
PRECAST CONCRETE
PLANKS #43-48

SHT. NO. JS-408

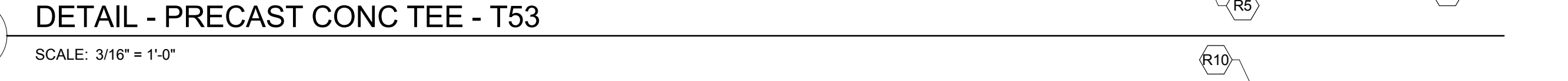
REV. NO.

SHEET NOTES
1. AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

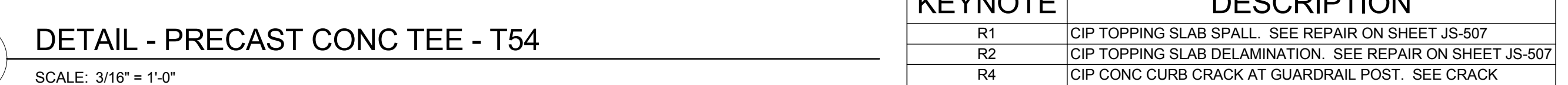
KEYNOTE	DESCRIPTION
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002



C DETAIL - PRECAST CONC TEE - T51
SCALE: 3/16" = 1'-0"



The diagram shows a cross-section of a bridge deck. The top side features a precast tee with a hatched pattern, labeled R2. The bottom side features a precast beam with a hatched pattern, labeled R6. A vertical section of the deck is labeled R4. A horizontal section of the deck is labeled R5. A 10° angle is indicated at the bottom right corner. The diagram is labeled "TOP SIDE PRECAST TEE" and "UNDERSIDE OF PRECAST BEAM".



FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.	R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS	R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-505

KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

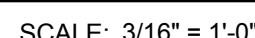
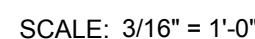
SHEET NOTES

1.  AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	DSB
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SHEET			
PRECAST CONCRETE PLANKS #55-60			
SHT. NO.		REV. NO.	
JS-410			

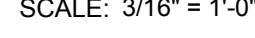


SCALE: 3/16" = 1'-0"



SHEET NOTES

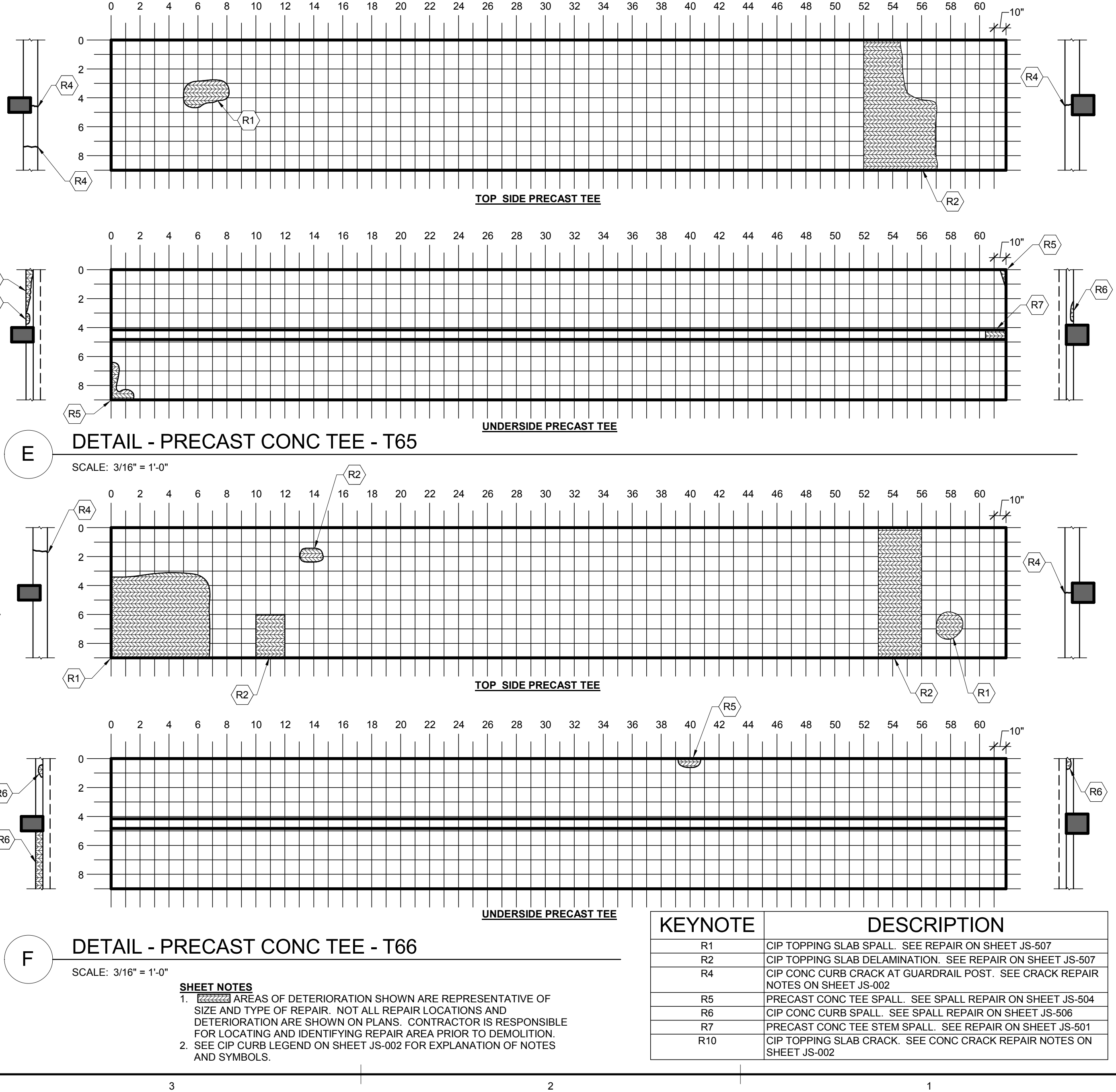
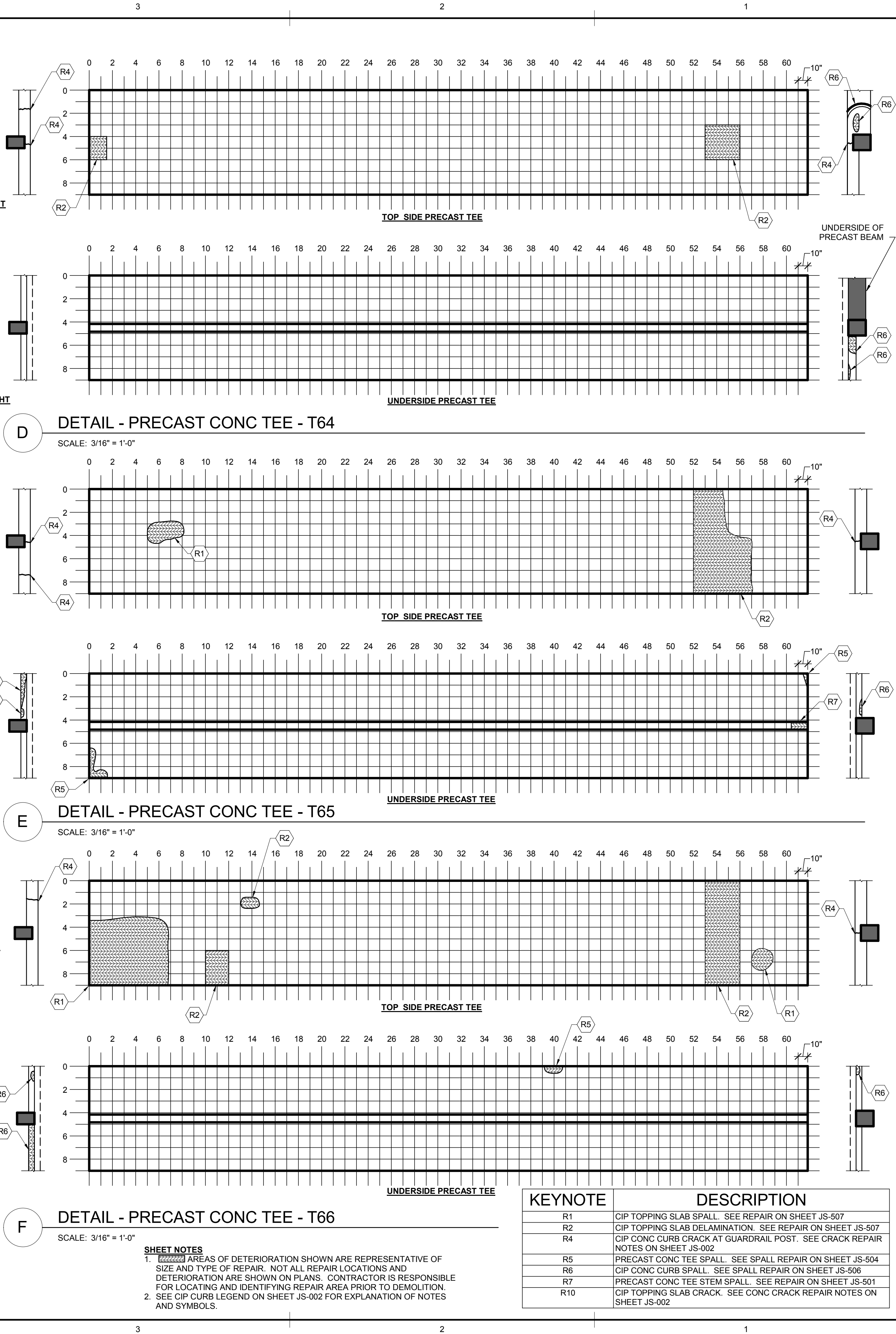
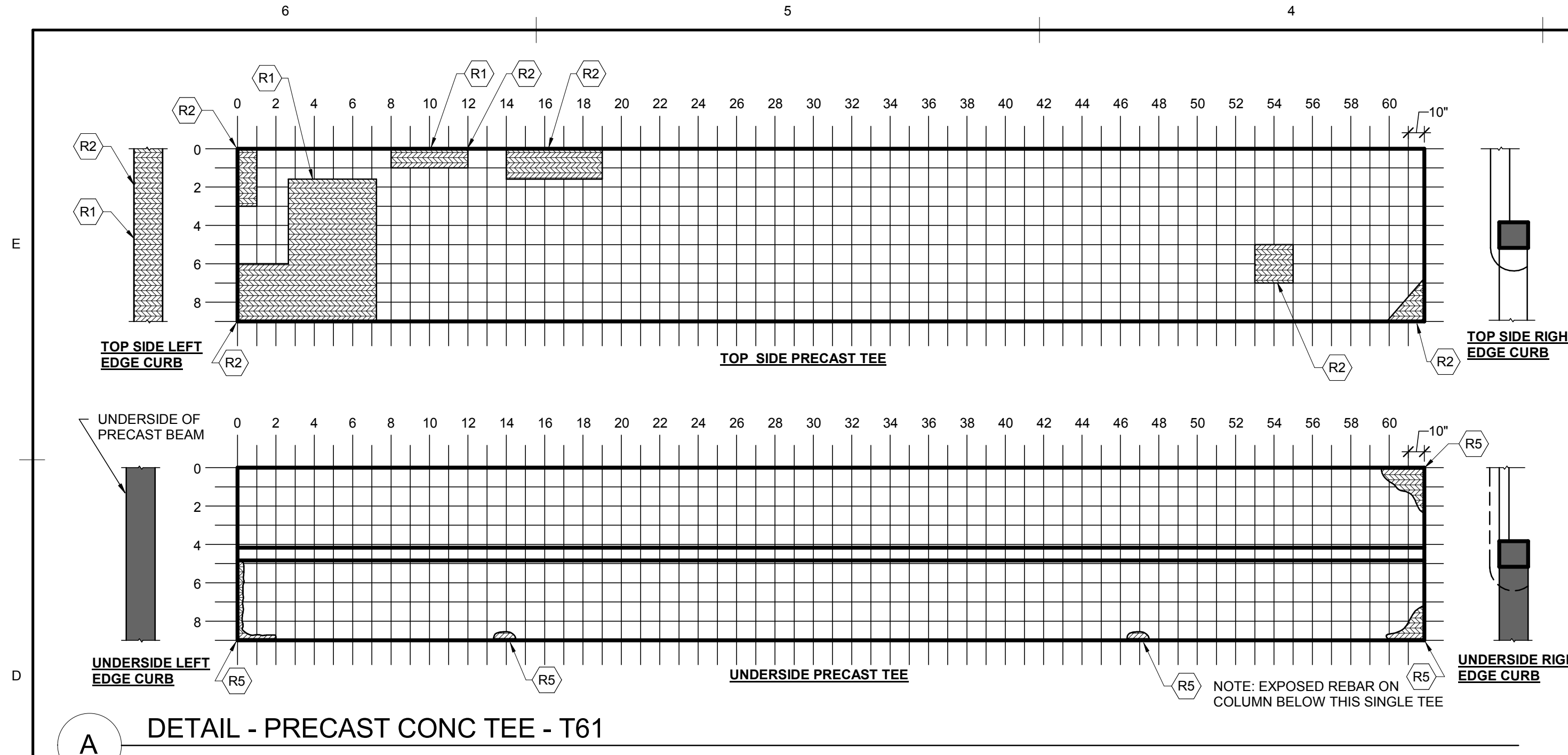
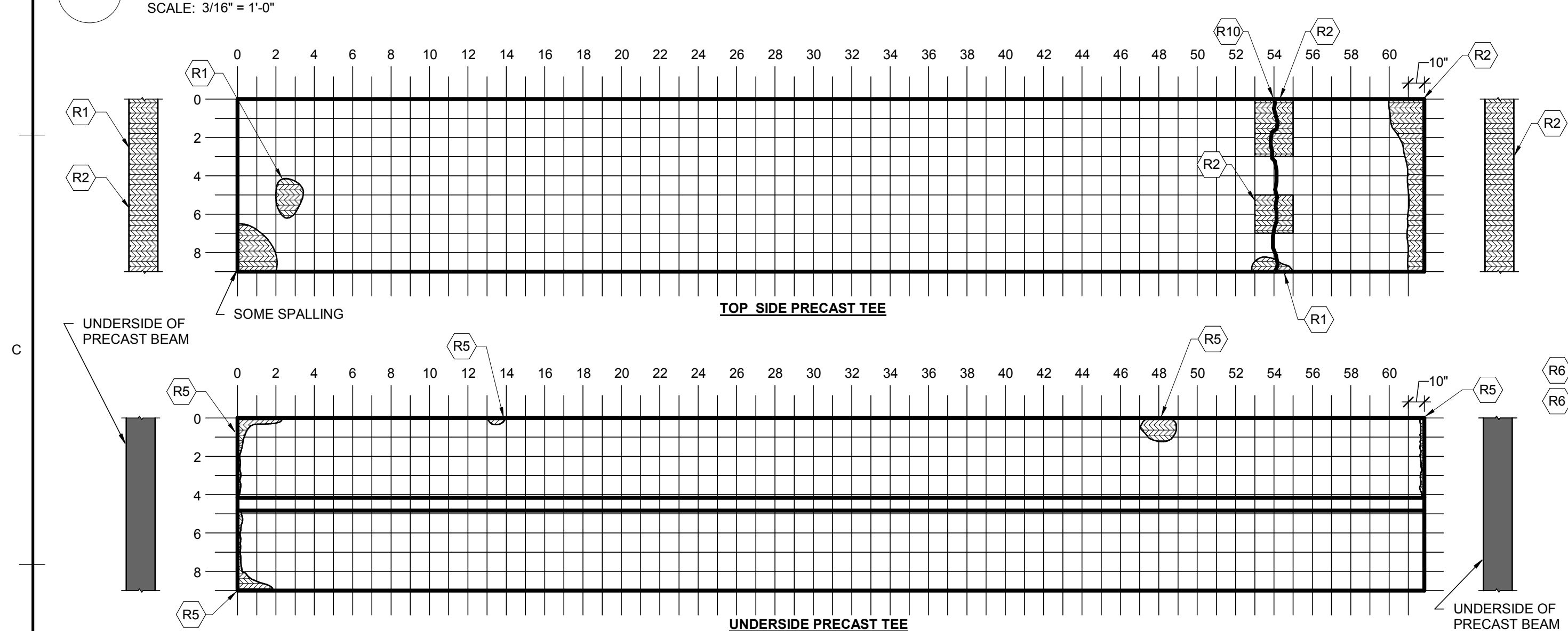
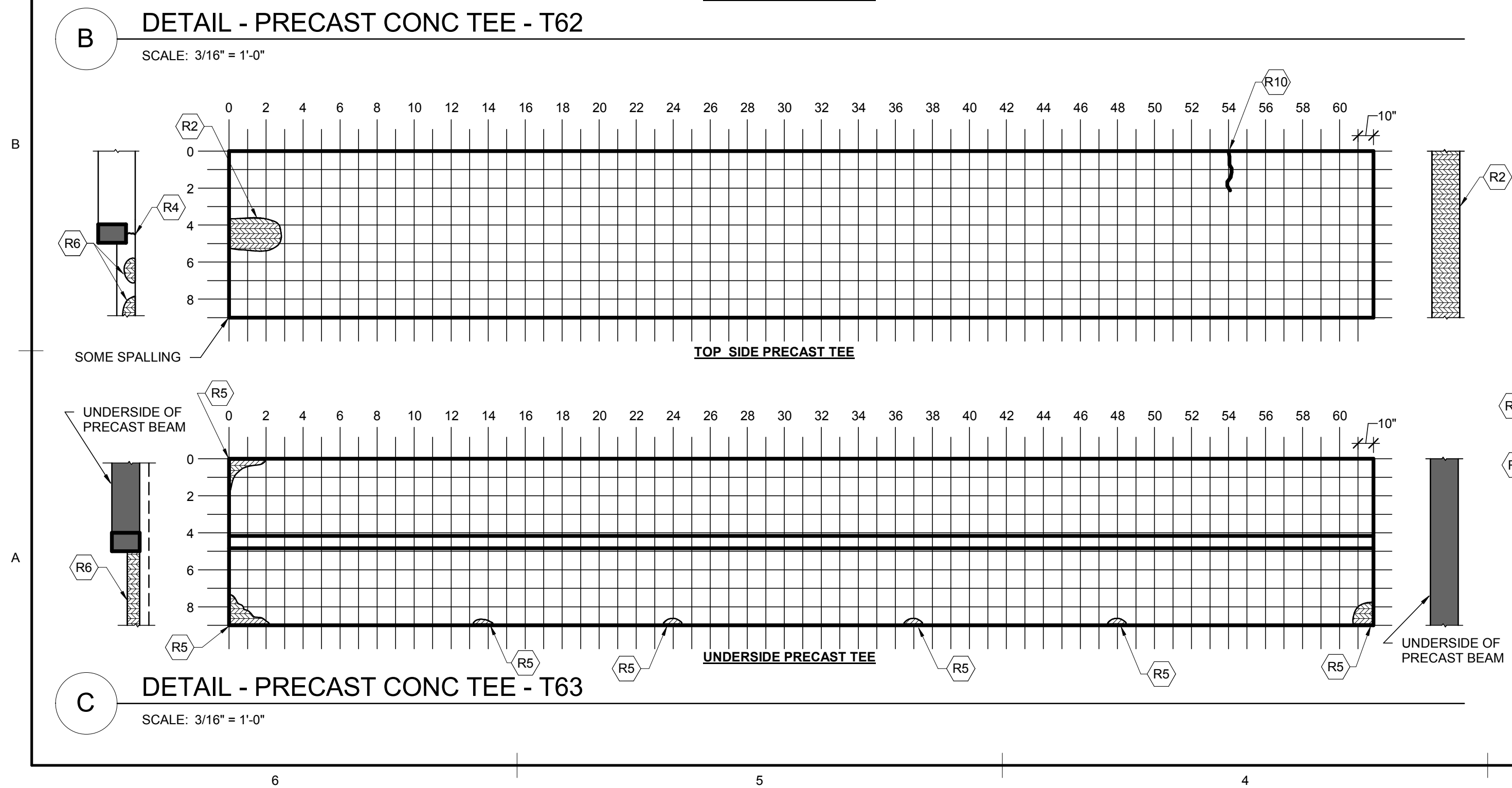
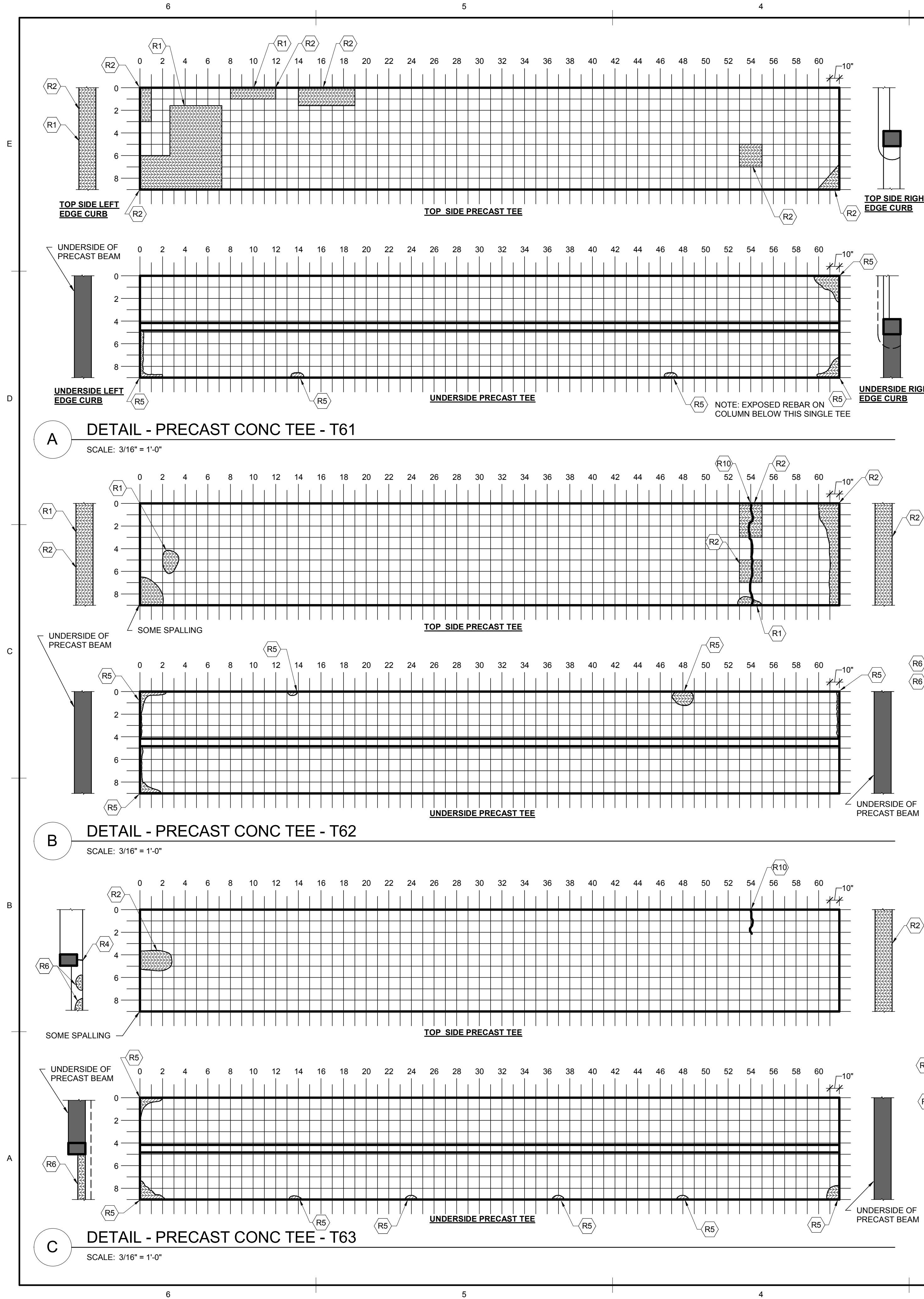
1.  AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.



SCALE: 3/16" = 1'-0"



SCALE: 3/16" = 1'-0"



SHEET NOTES

1. Hatched areas of deterioration shown are representative of size and type of repair. Not all repair locations and deterioration are shown on plans. Contractor is responsible for locating and identifying repair area prior to demolition.
2. See CIP curb legend on sheet JS-002 for explanation of notes and symbols.

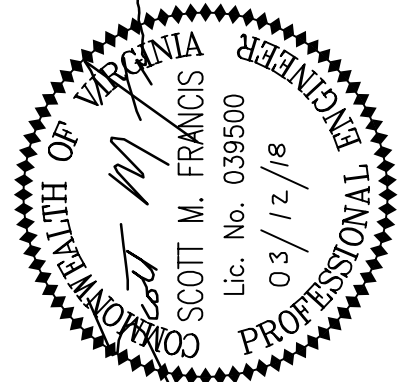
KEYNOTE

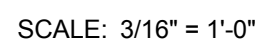
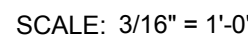
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

DESCRIPTION

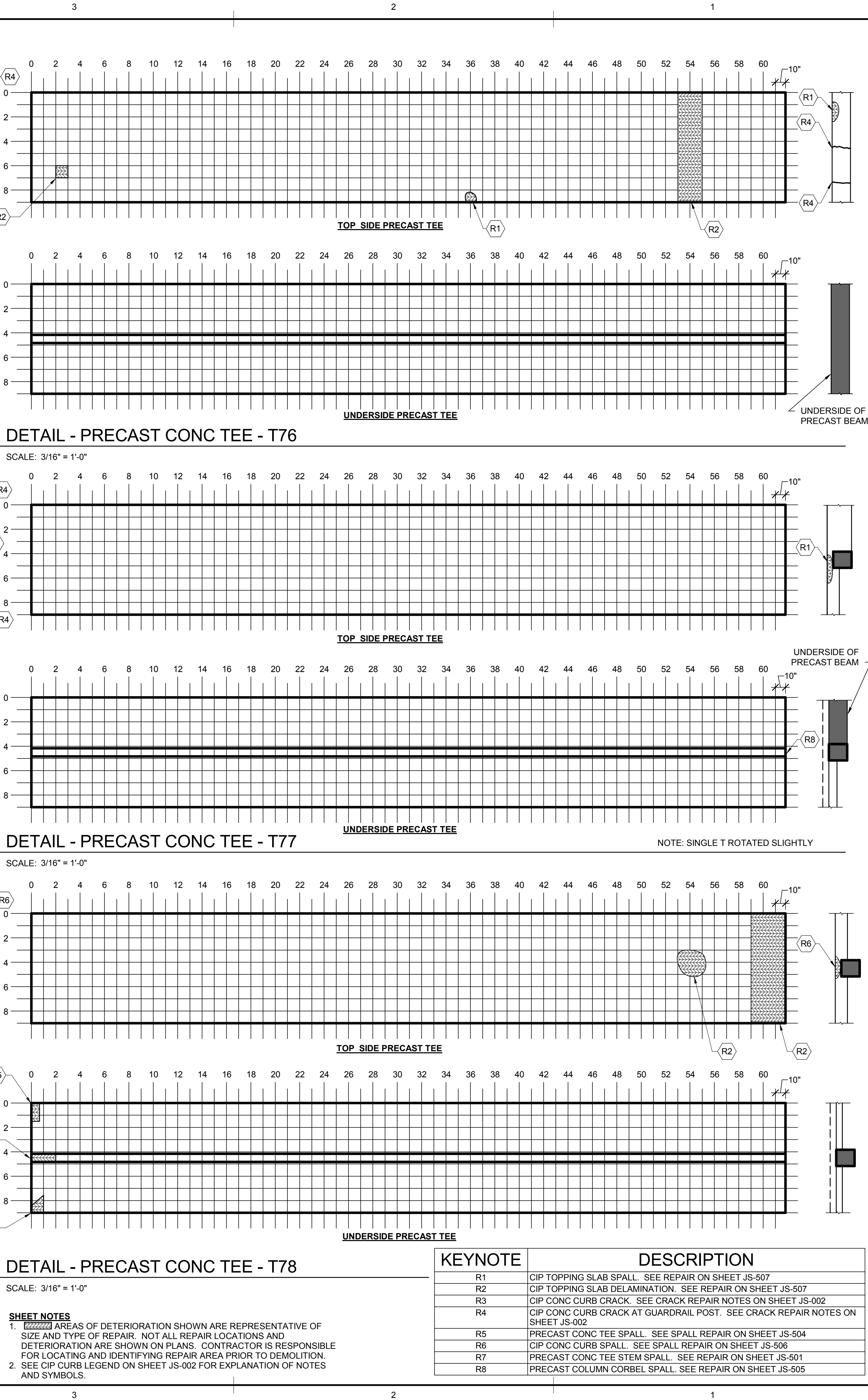
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DRAWN:	DSB DESIGN DSB
CHECK:	SMF
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PRECAST CONCRETE PLANKS #61-66	
SHT. NO.	JS-411
REV. NO.	

CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

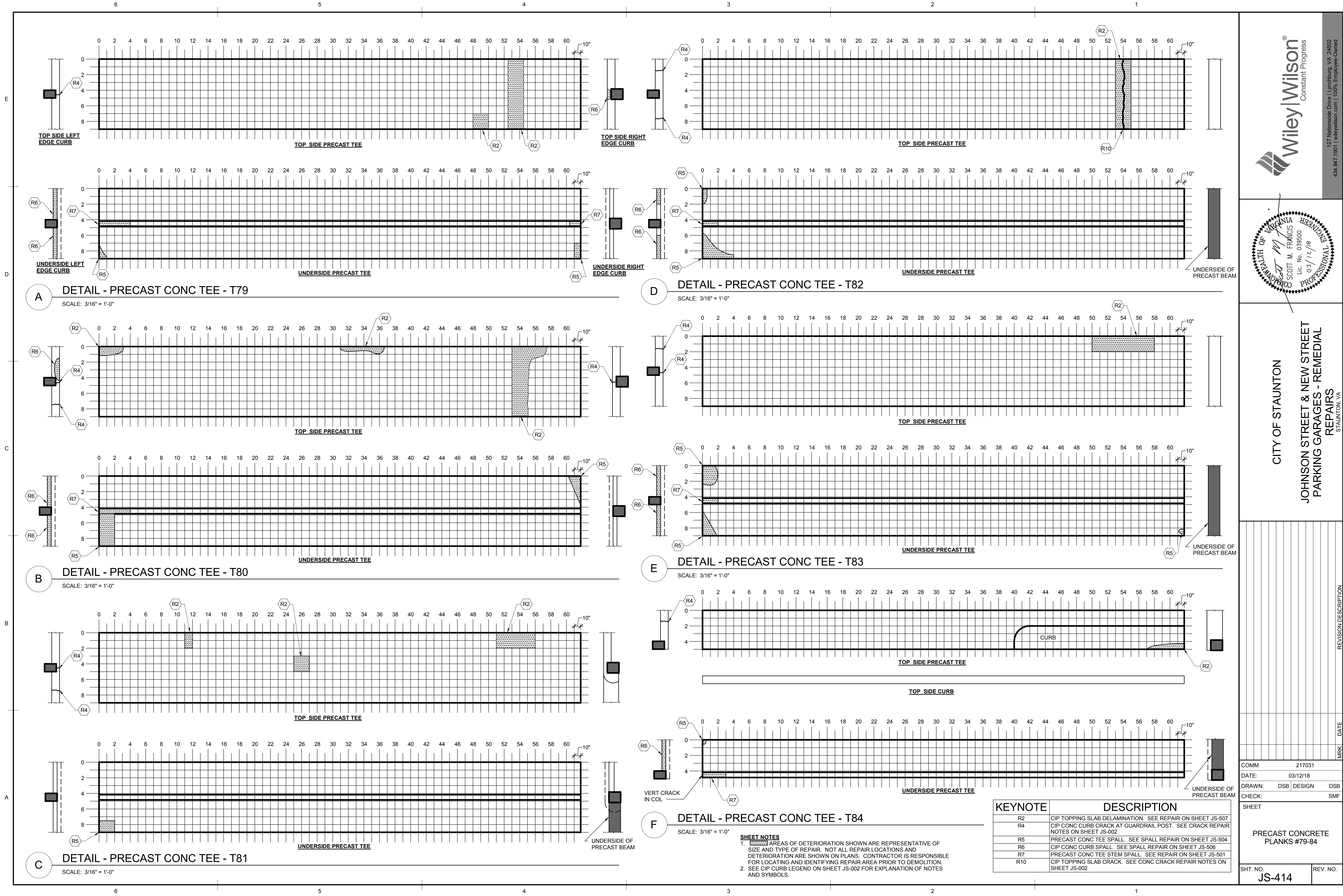


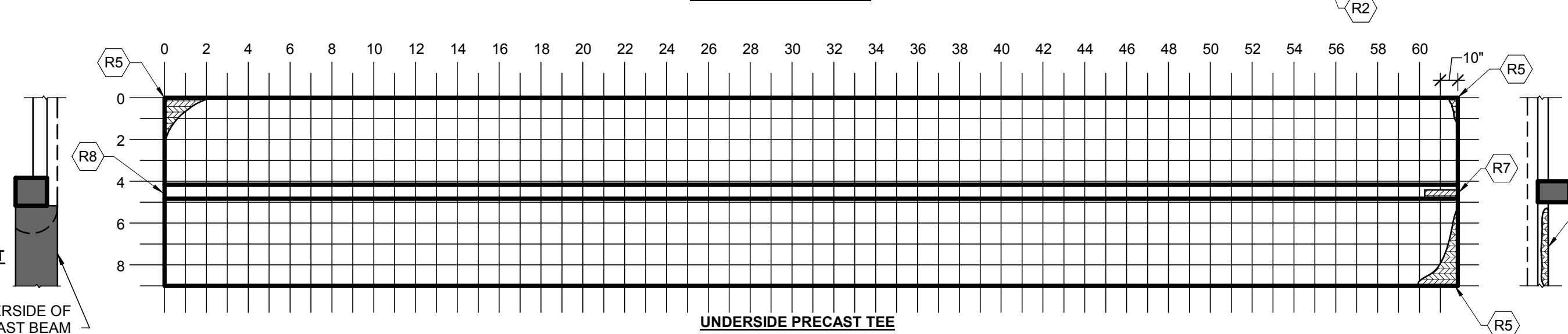
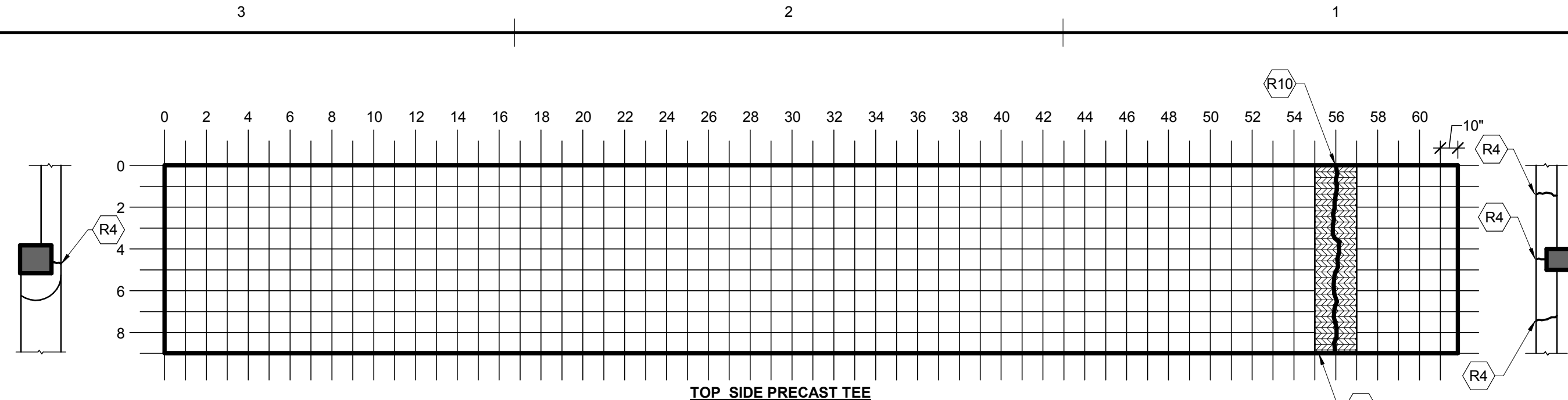


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PRECAST CONCRETE PLANKS #67-72			
SHT. NO.		REV. NO.	



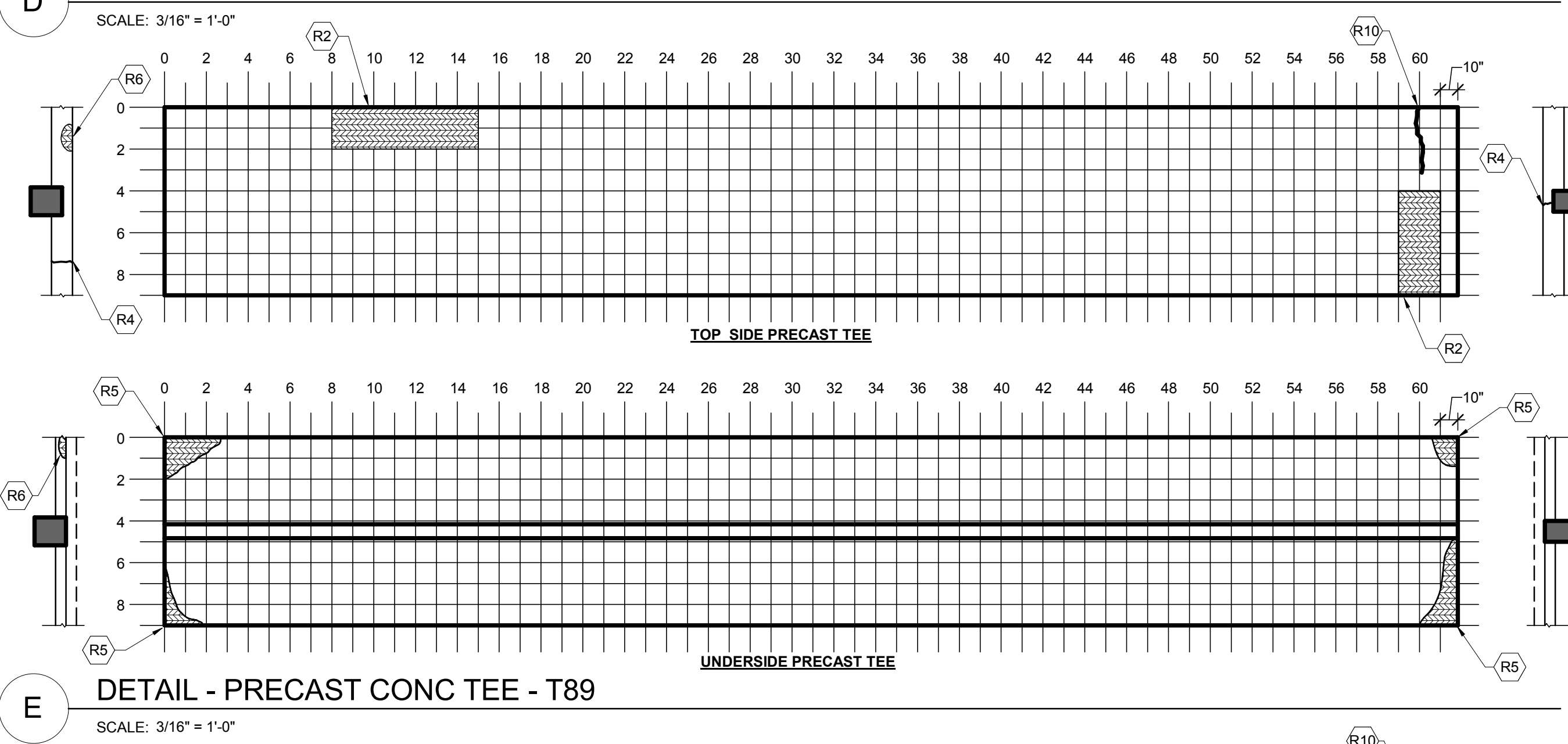
KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R3	CIP CONC CURB CRACK. SEE CRACK REPAIR NOTES ON SHEET JS-002
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505





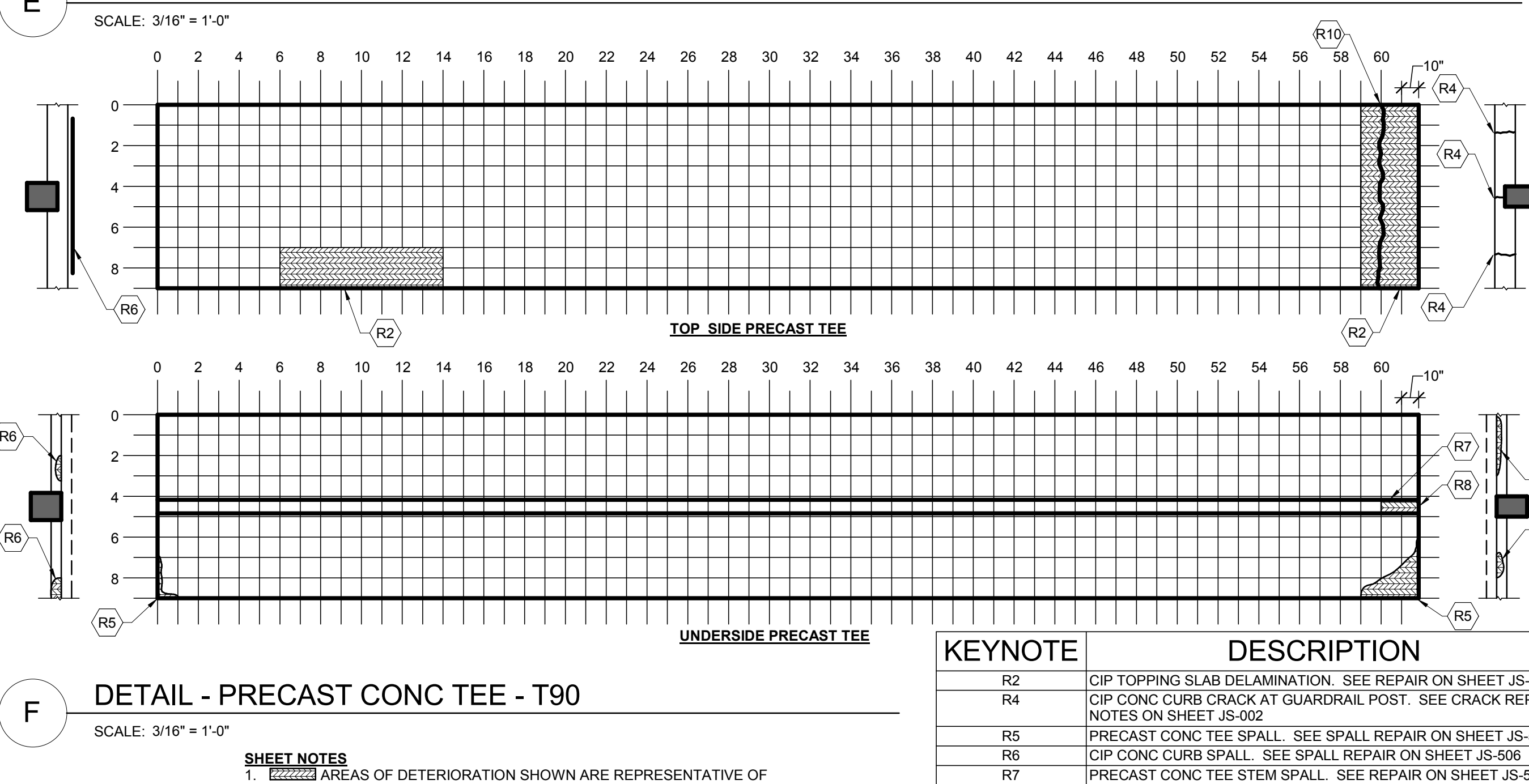
DETAIL - PRECAST CONC TEE - T88

SCALE: 3/16" = 1'-0"



DETAIL - PRECAST CONC TEE - T89

SCALE: 3/16" = 1'-0"

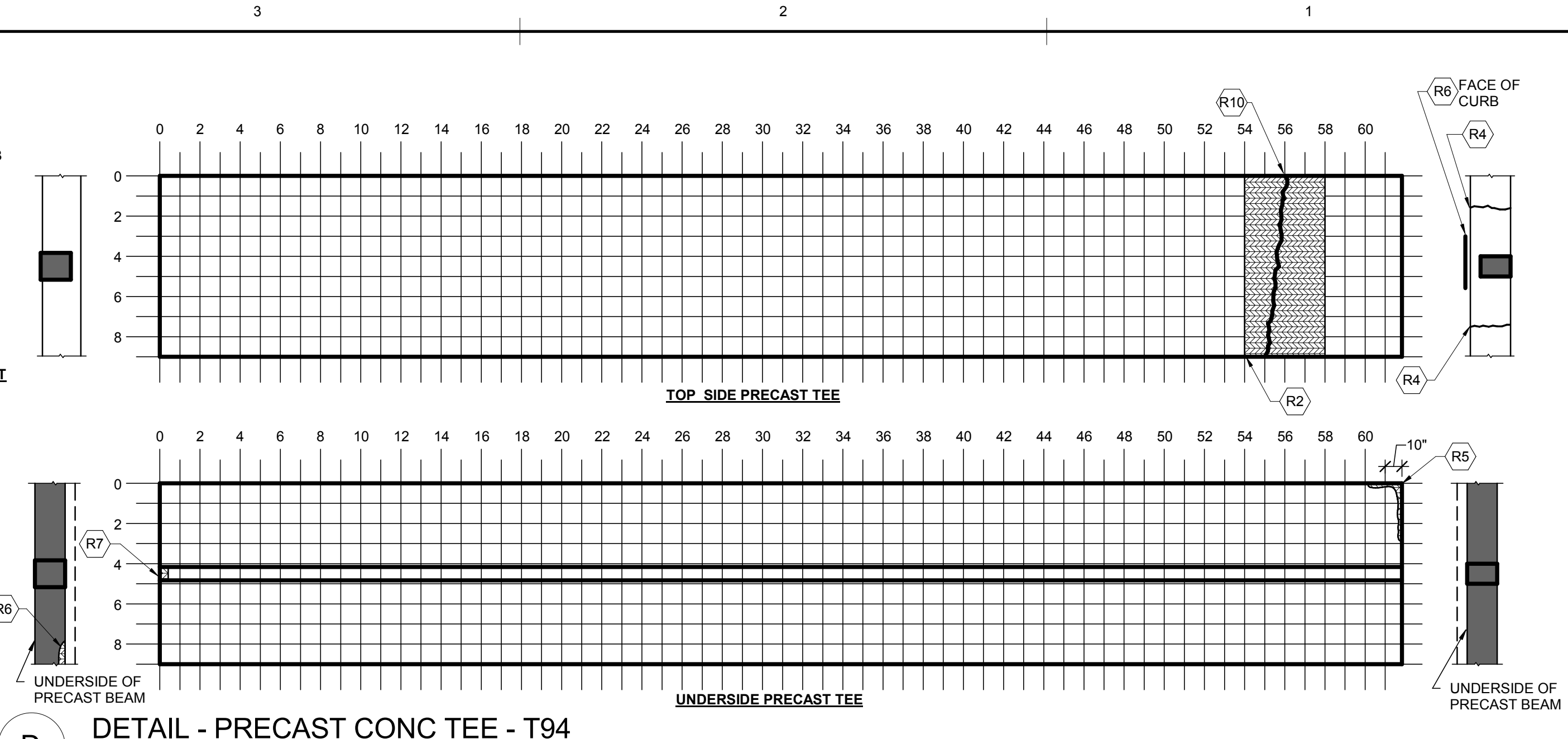


DETAIL - PRECAST CONC TEE - T90

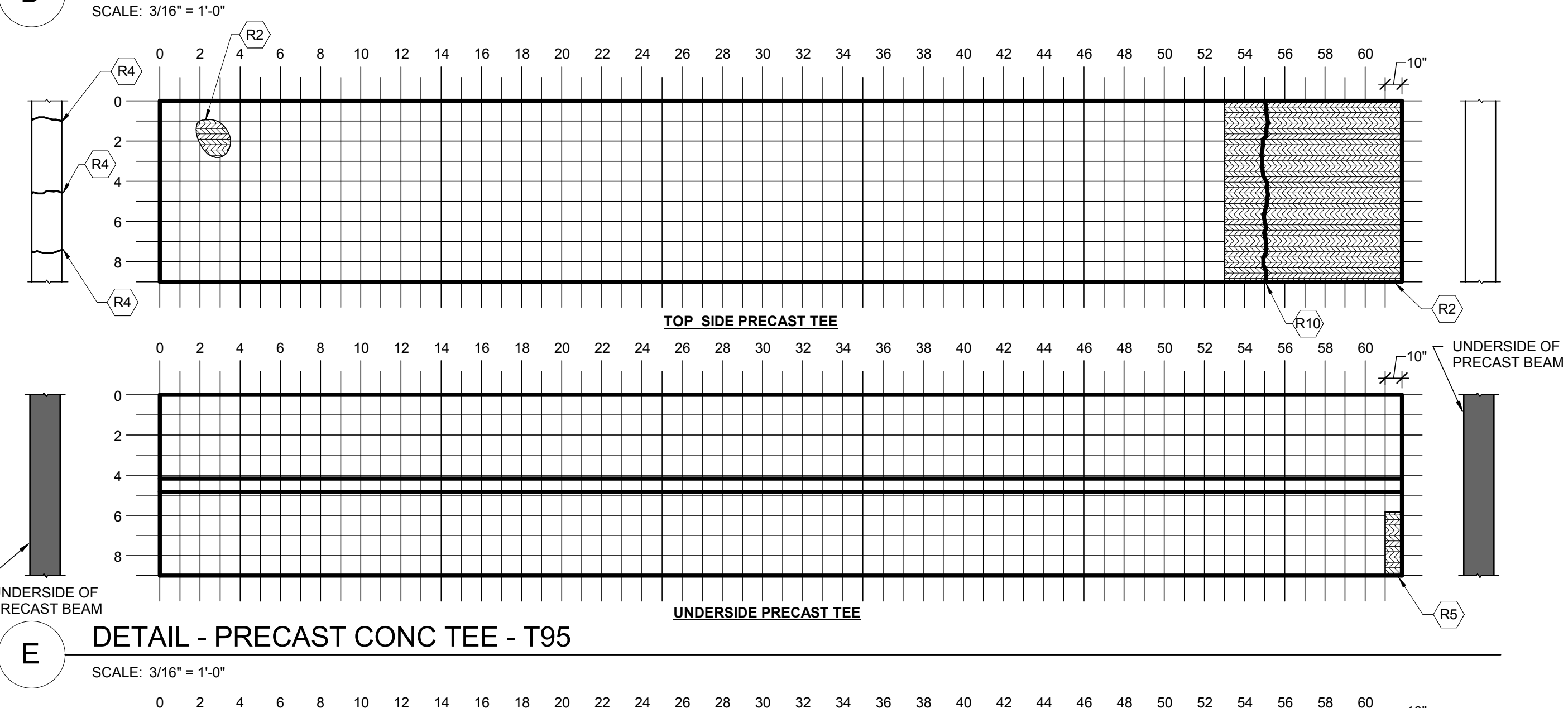
SCALE: 3/16" = 1'-0"

1.  AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

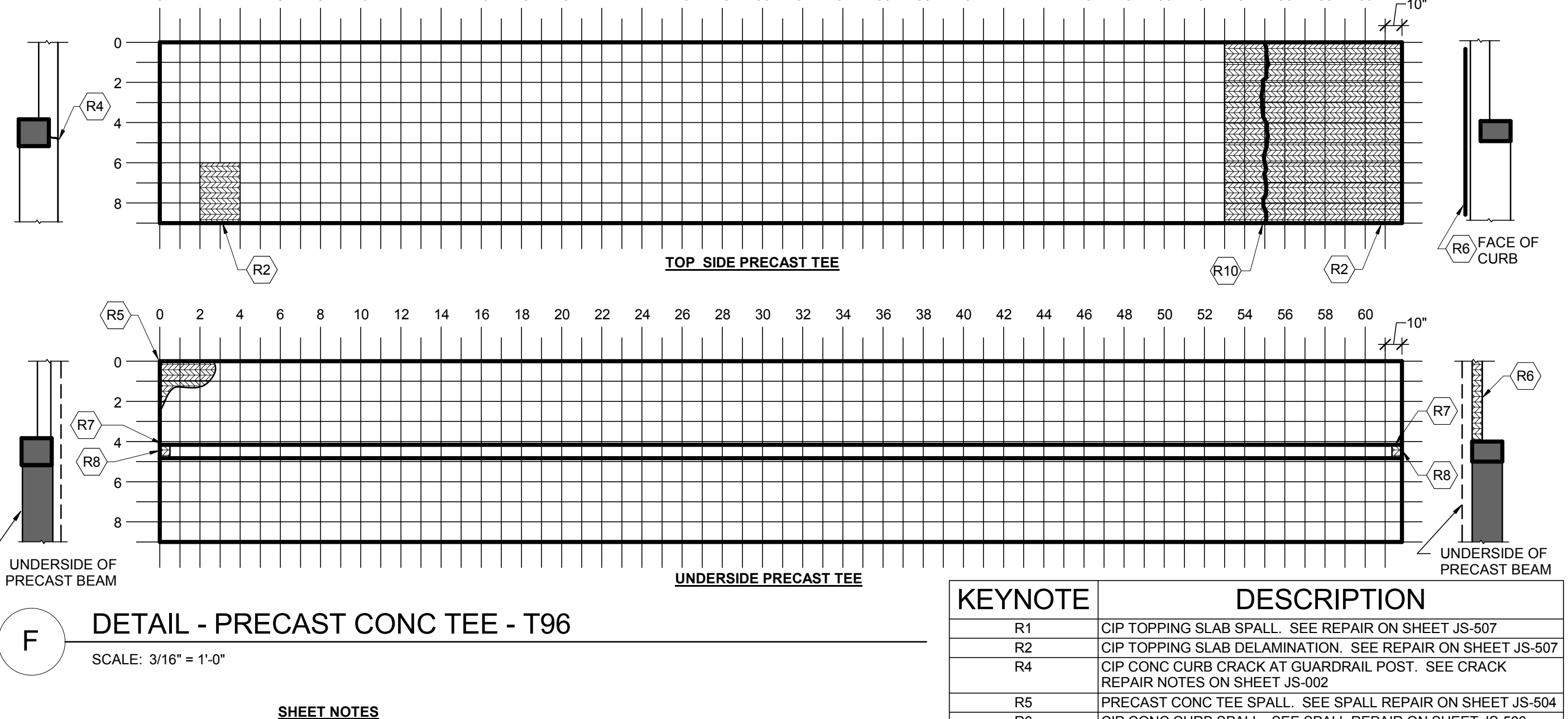
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PAIR	DATE:	03/12/18
504	DRAWN:	DSB DESIGN DS
501	CHECK:	SM
505	SHEET	
ON	PRECAST CONCRETE PLANKS #85-90	
	SHT. NO.	REV. NO.
	JS-415	



SCALE: 3/16" = 1'-0"



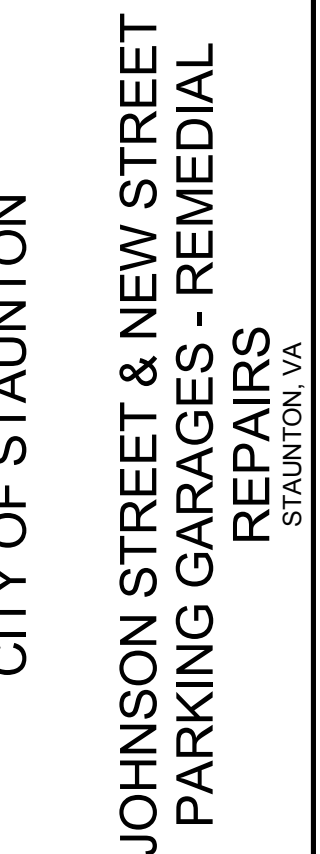
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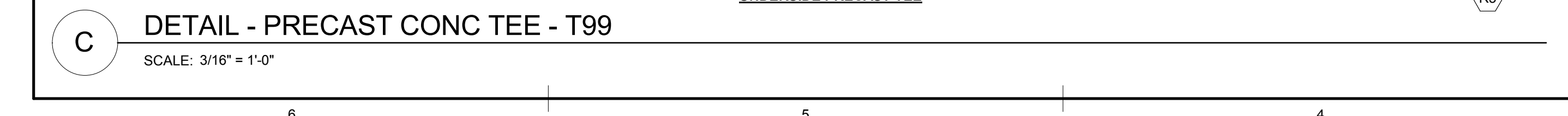
SCALE: 3/16" = 1'-0"

1. AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

COMM		217031	
DATE:		03/12/18	
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CHECK:	SMF		
SHEET			
PRECAST CONCRETE PLANKS #91-96			
SHT. NO.		REV. NO.	
IS 416			

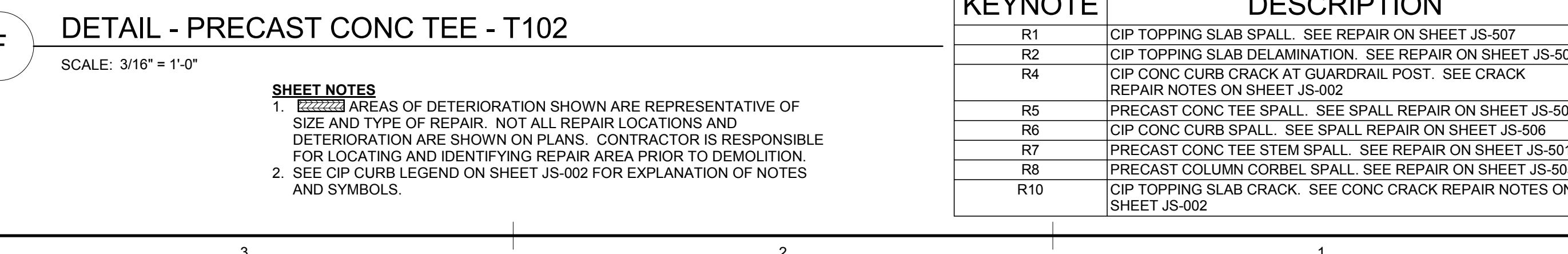


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DATE:		03/12/18	
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CHECK:		SMF	
SHEET			
PRECAST CONCRETE PLANKS #97-102			
SHT. NO.		REV. NO.	
JS-417			



DETAIL - PRECAST CONC TEE - T99

SCALE: 3/16" = 1'-0"



DETAIL - PRECAST CONC TEE - T102

SCALE: 3/16" = 1'-0"

1. AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

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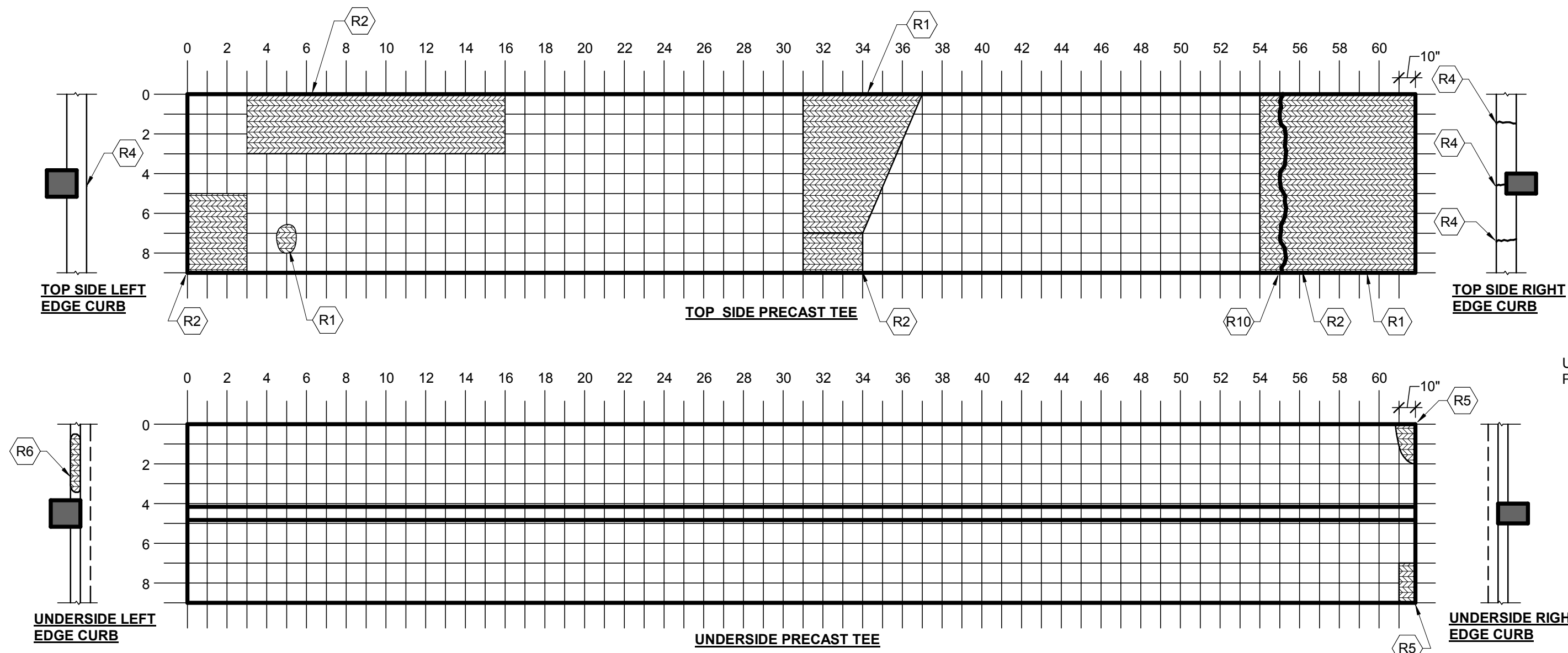
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D

C

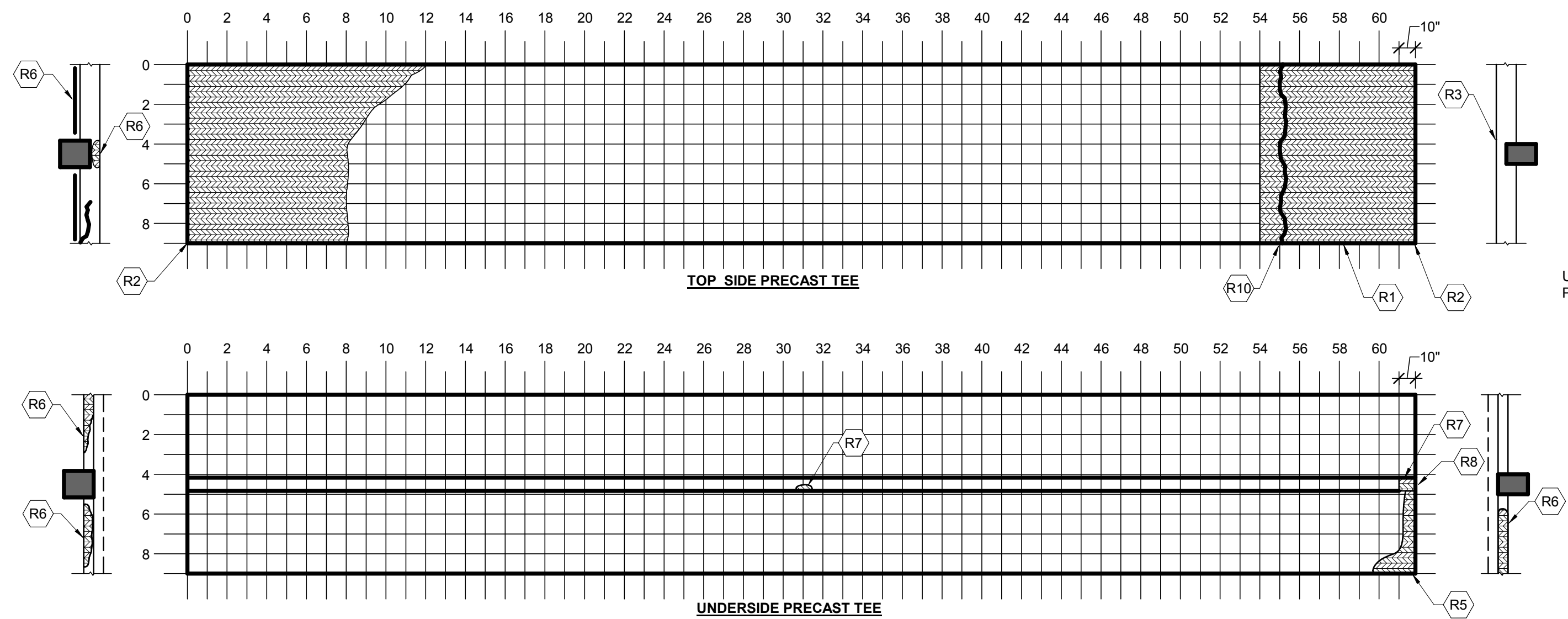
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A



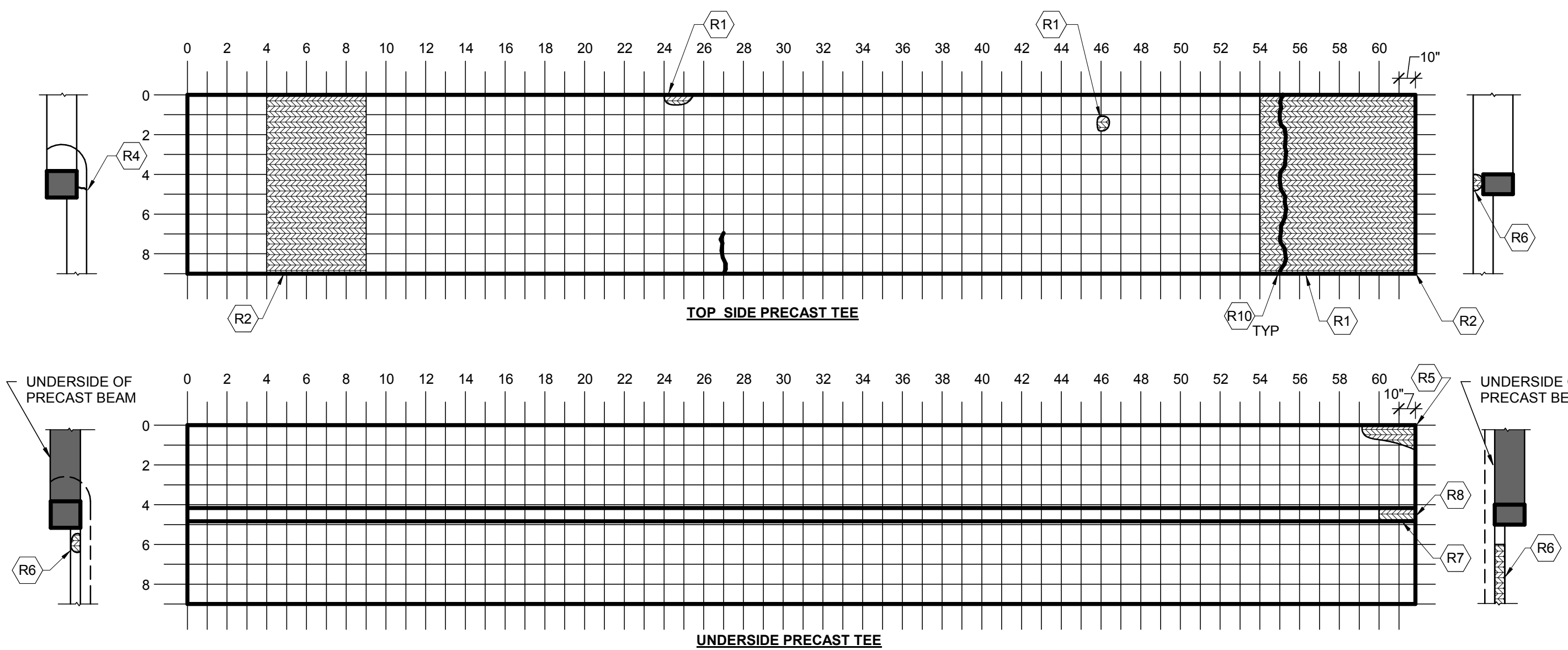
A DETAIL - PRECAST CONC TEE - T103

SCALE: 3/16" = 1'-0"



B DETAIL - PRECAST CONC TEE - T104

SCALE: 3/16" = 1'-0"



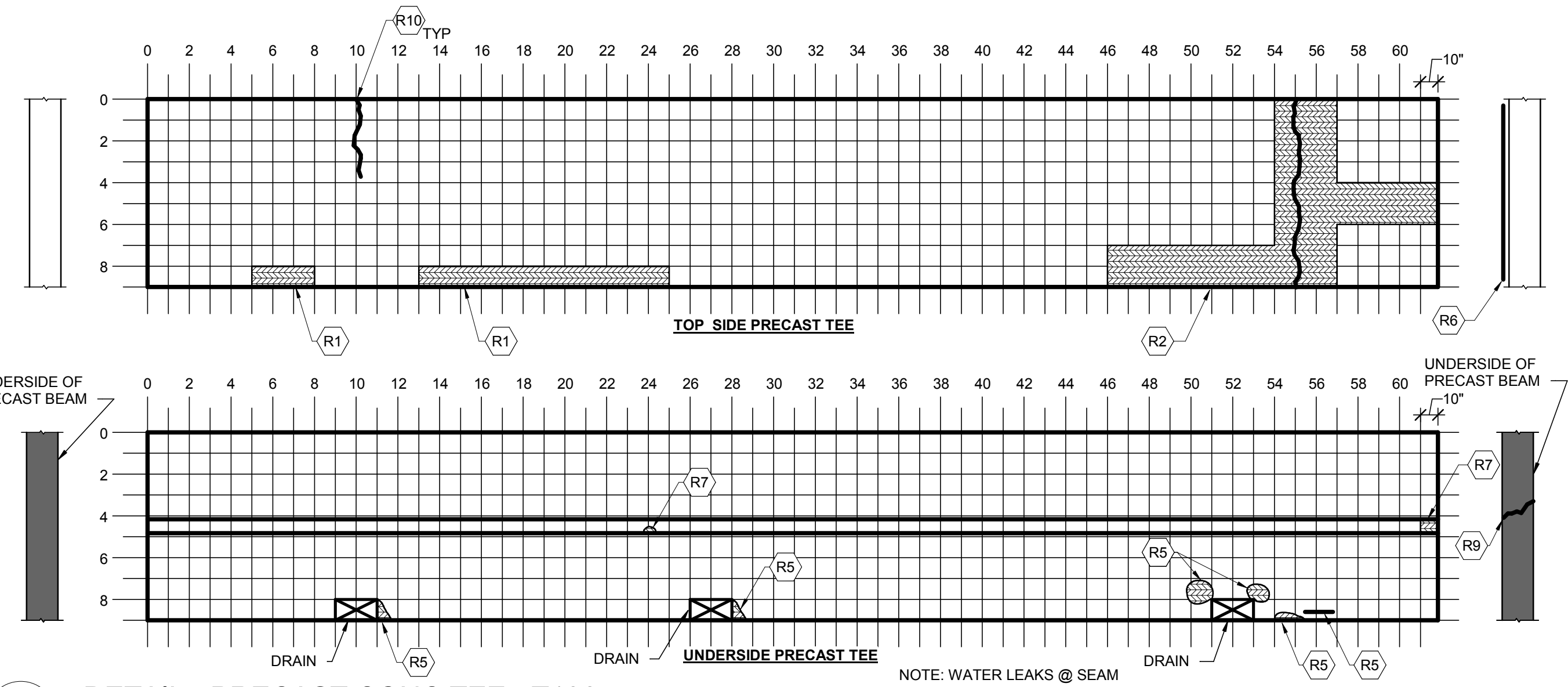
C DETAIL - PRECAST CONC TEE - T105

SCALE: 3/16" = 1'-0"

D

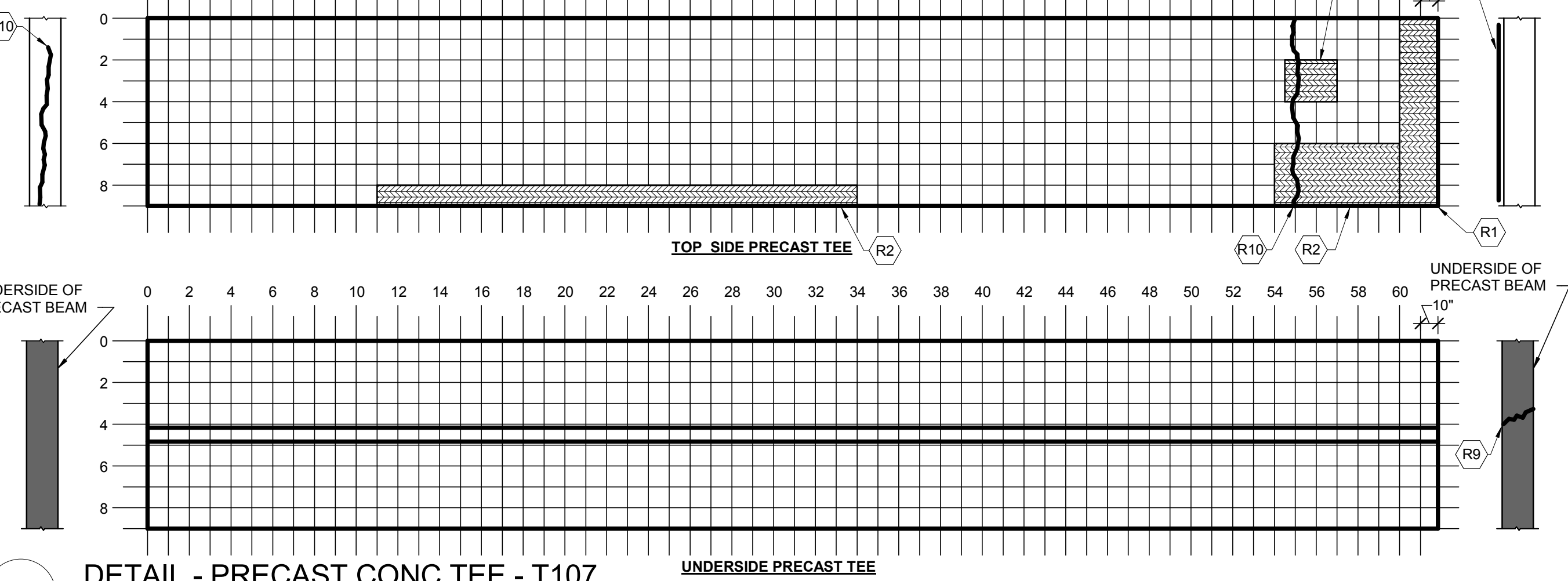
E

F



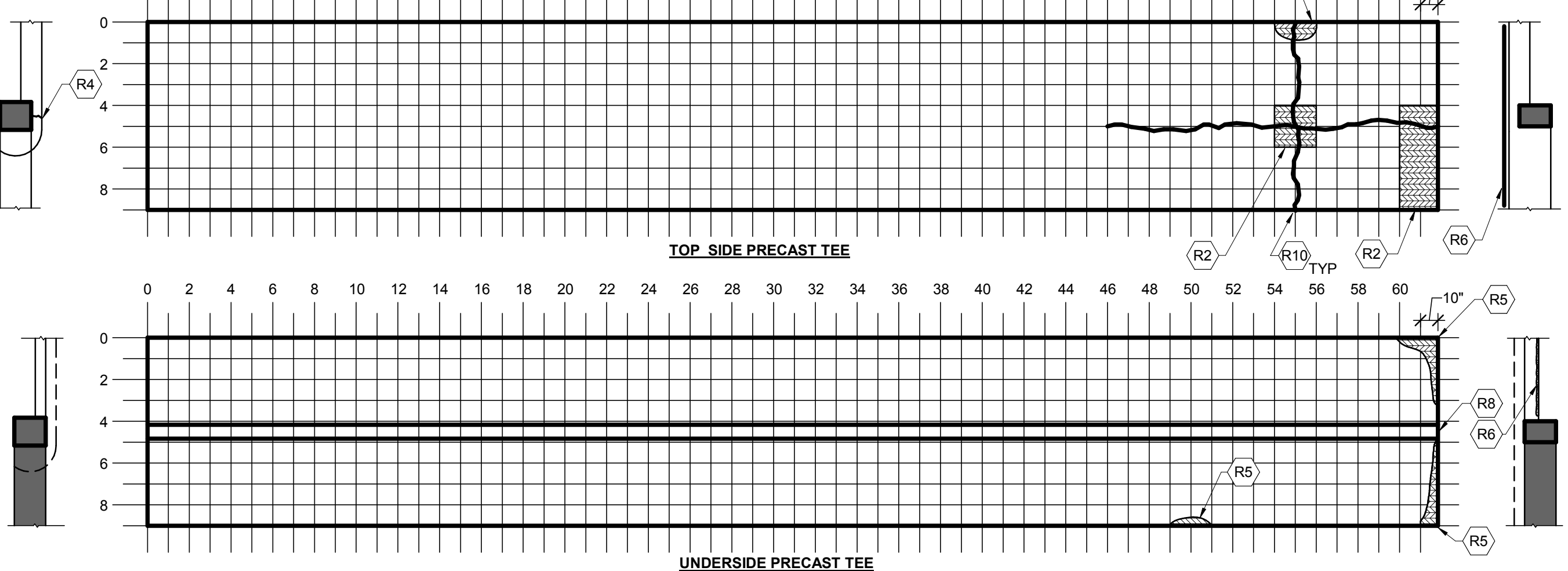
D DETAIL - PRECAST CONC TEE - T106

SCALE: 3/16" = 1'-0"



E DETAIL - PRECAST CONC TEE - T107

SCALE: 3/16" = 1'-0"



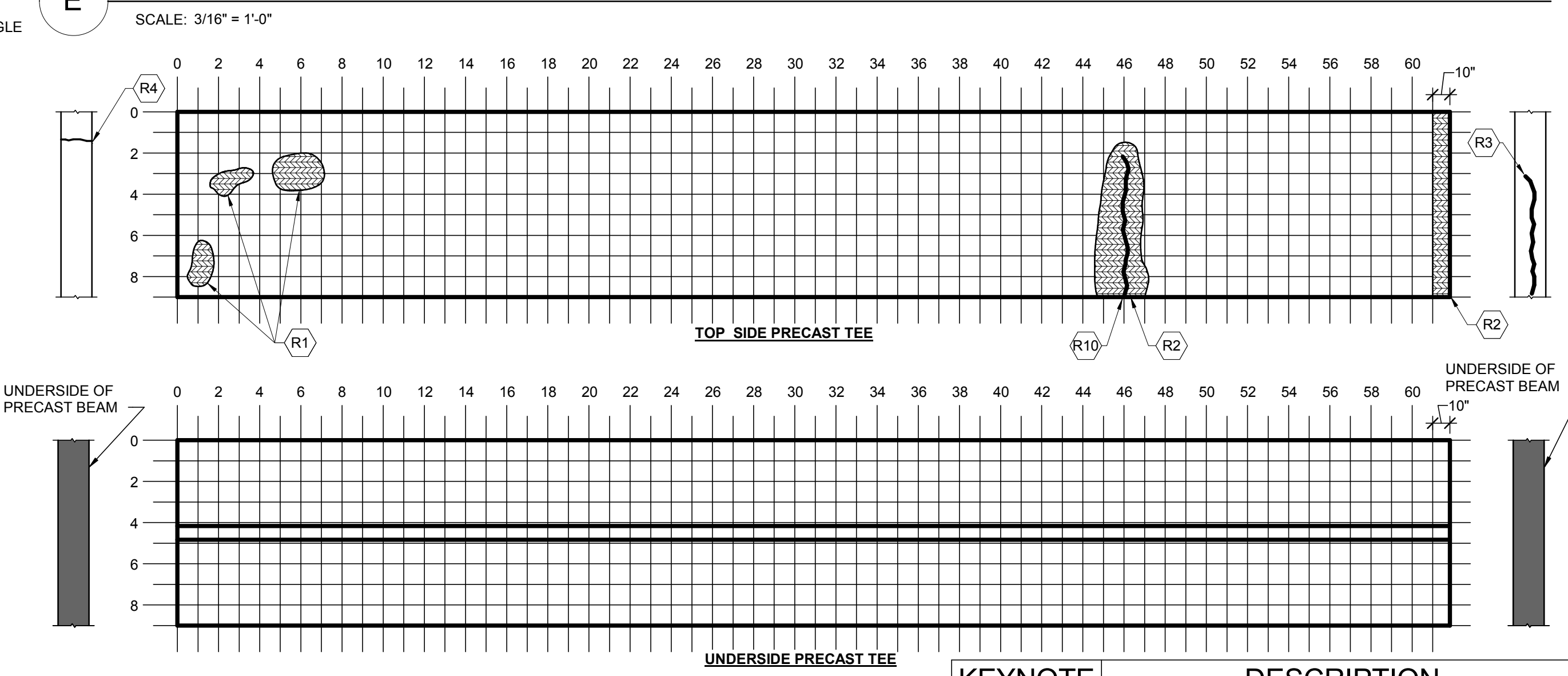
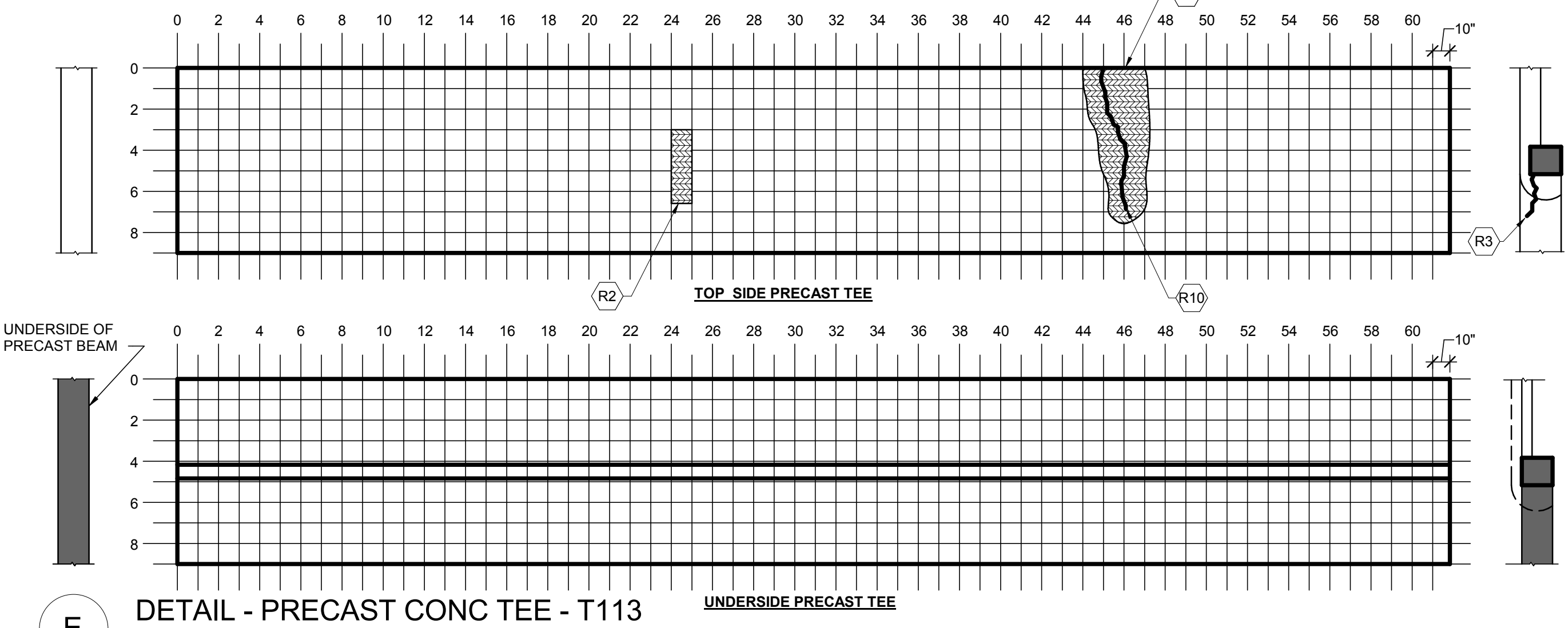
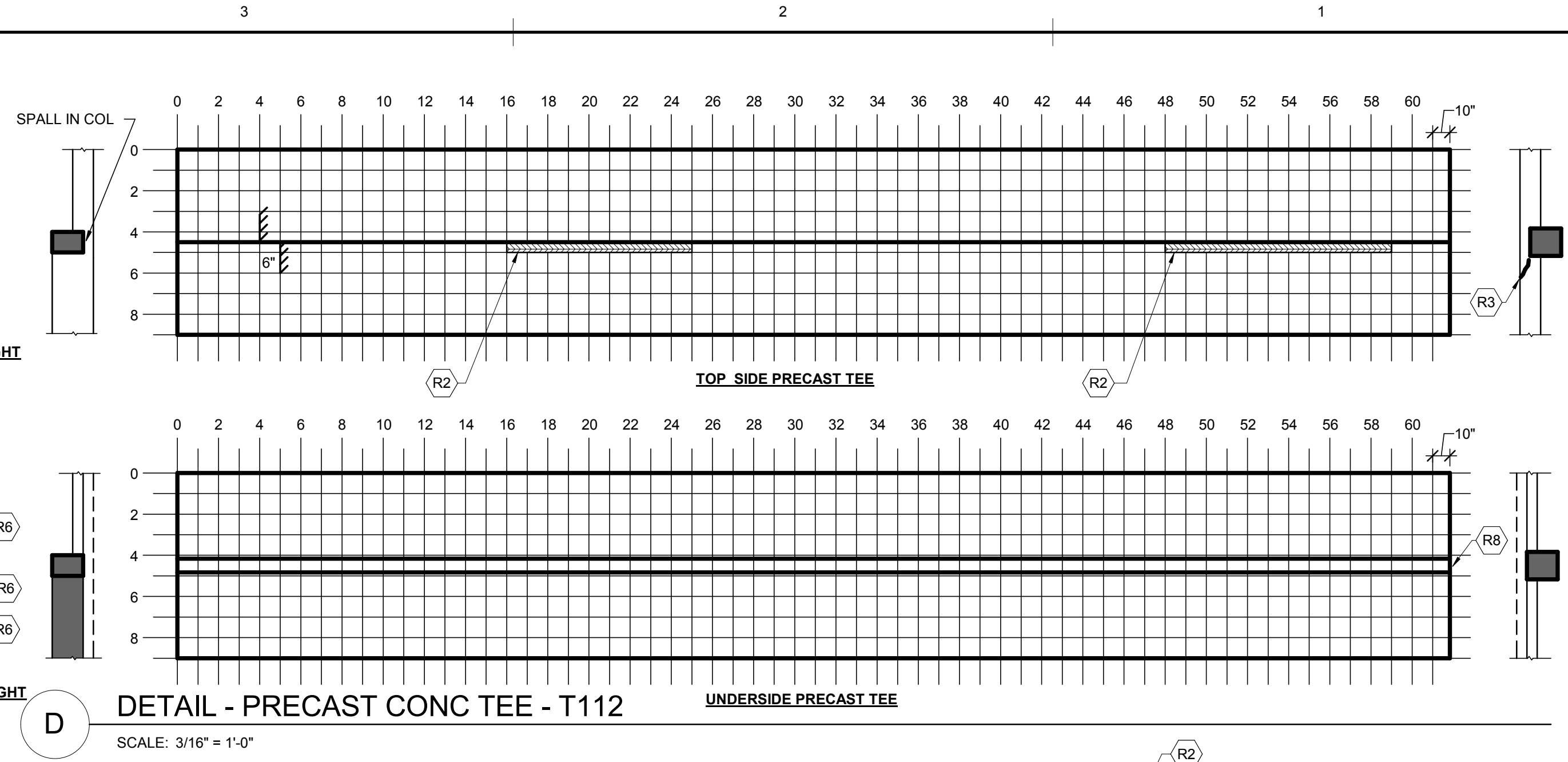
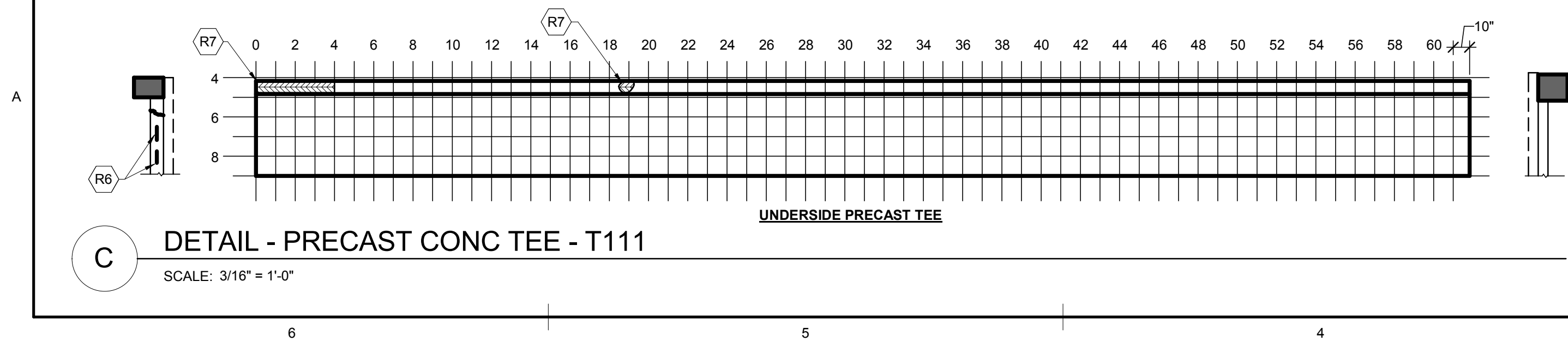
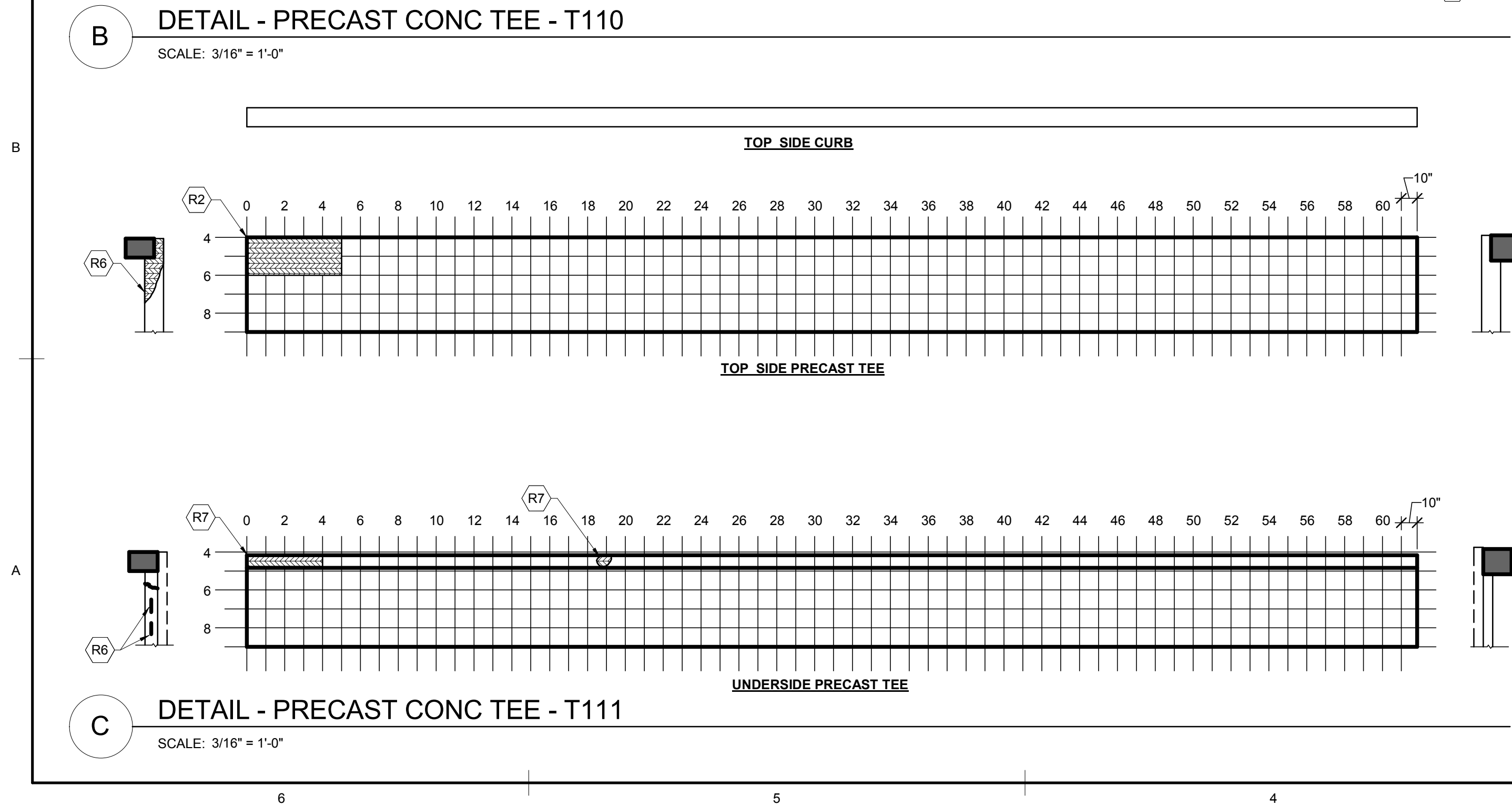
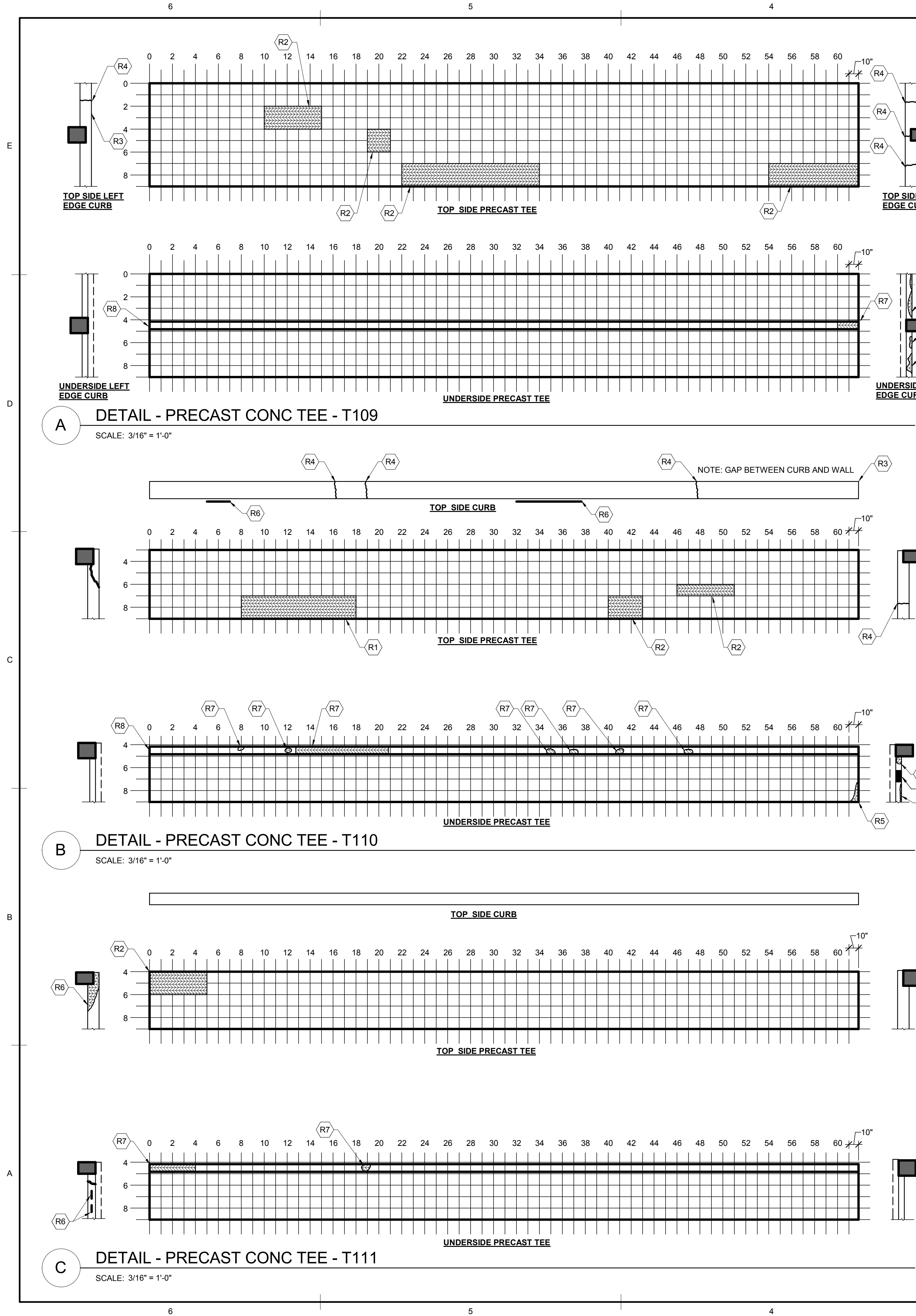
F DETAIL - PRECAST CONC TEE - T108

SCALE: 3/16" = 1'-0"

SHEET NOTES
1. AREAS OF DETEIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETEIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R3	CIP CONC CURB CRACK. SEE CRACK REPAIR NOTES ON SHEET JS-002
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
R9	PRECAST CONC BEAM SPALL. SEE NON-BEARING END REPAIR ON SHEET JS-501, SIMILAR
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

REVISION DESCRIPTION	DATE	MRK
COMM	217031	
DATE:	03/12/18	
DRAWN:	DSB	DESIGN
CHECK:	SMF	
SHEET		
PRECAST CONCRETE PLANKS #103-108		
SHT. NO.	JS-418	REV. NO.



SHEET NOTES
1. AREAS OF DETEIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETEIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R3	CIP CONC CURB CRACK. SEE CRACK REPAIR NOTES ON SHEET JS-002
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R8	PRECAST COLUMN CORBEL SPALL. SEE REPAIR ON SHEET JS-505
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

COMM	217031		
DATE:	03/12/18		
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CHECK:	SMF		
SHEET			
PRECAST CONCRETE PLANKS #109-114			
SHT. NO.		REV. NO.	
JS-419			



CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA



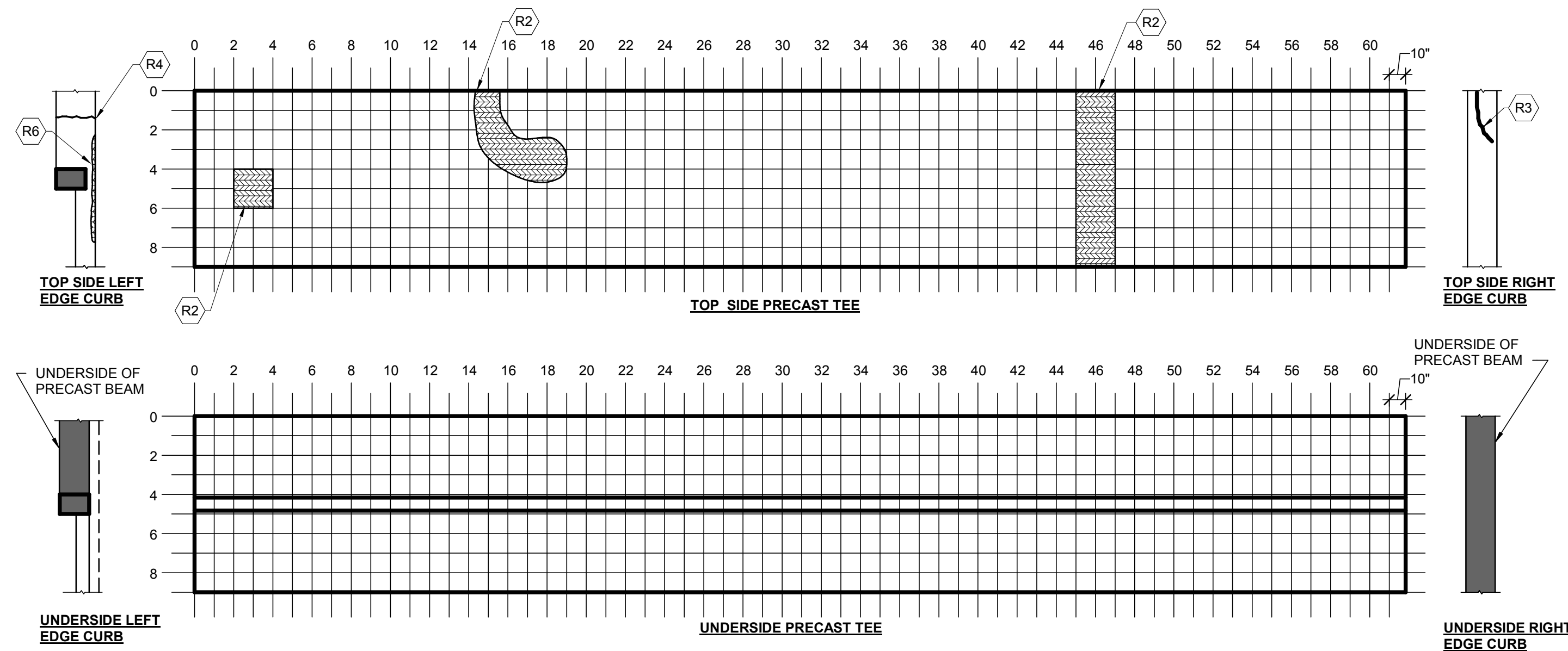
CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
STAUNTON, VA

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DATE:	03/12/18		
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CHECK:			SMF

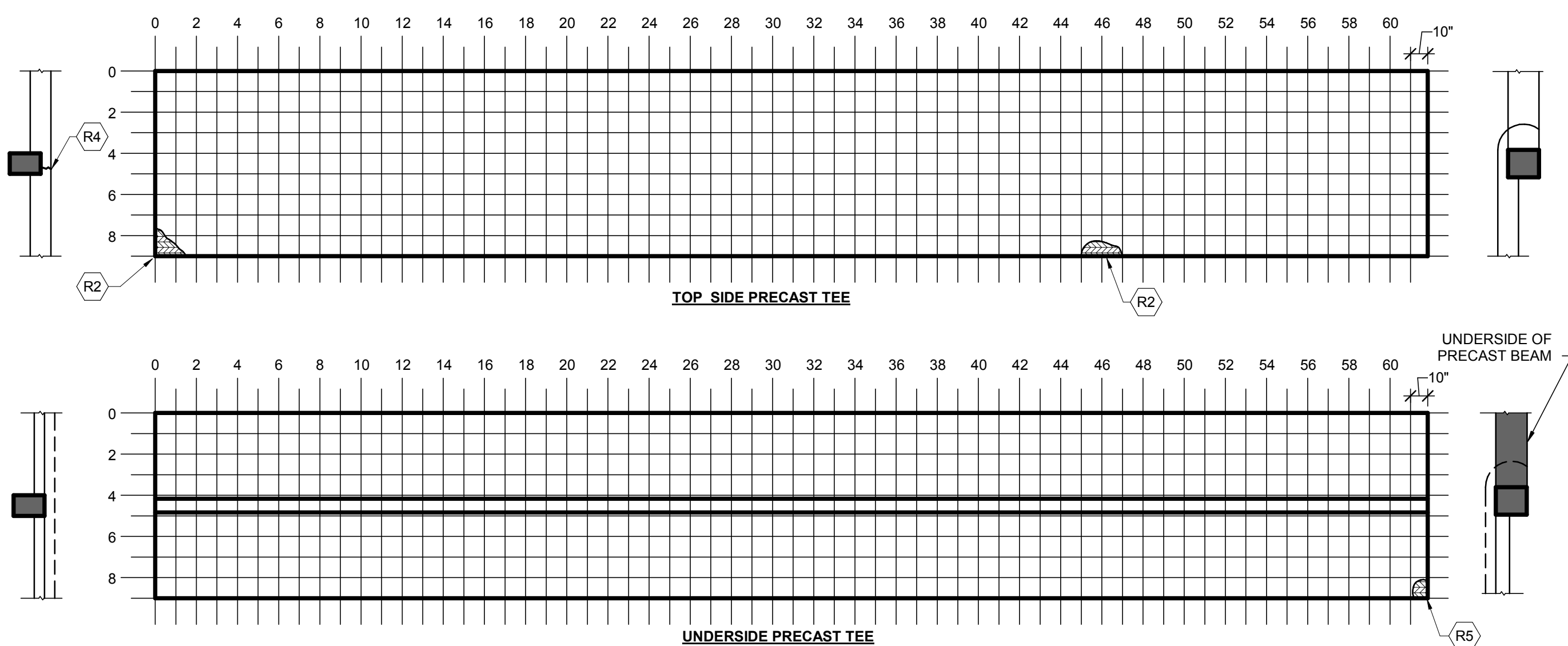
PRECAST CONCRETE
PLANKS #115-117

SHT. NO. JS-420	REV. NO.
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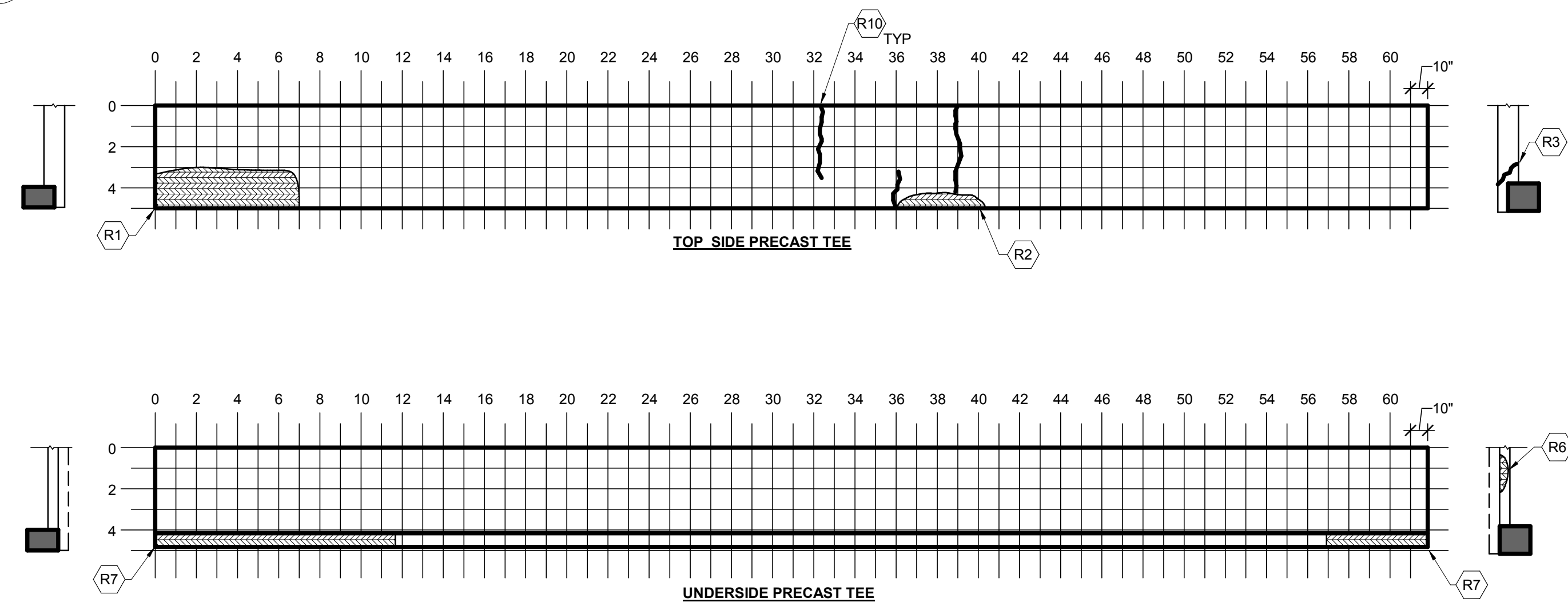
DETAIL - PRECAST CONC TEE - T115

SCALE: 3/16" = 1'-0"



DETAIL - PRECAST CONC TEE - T116

SCALE: 3/16" = 1'-0"



DETAIL - PRECAST CONC TEE - T117

SCALE: 3/16" = 1'-0"

SHEET NOTES

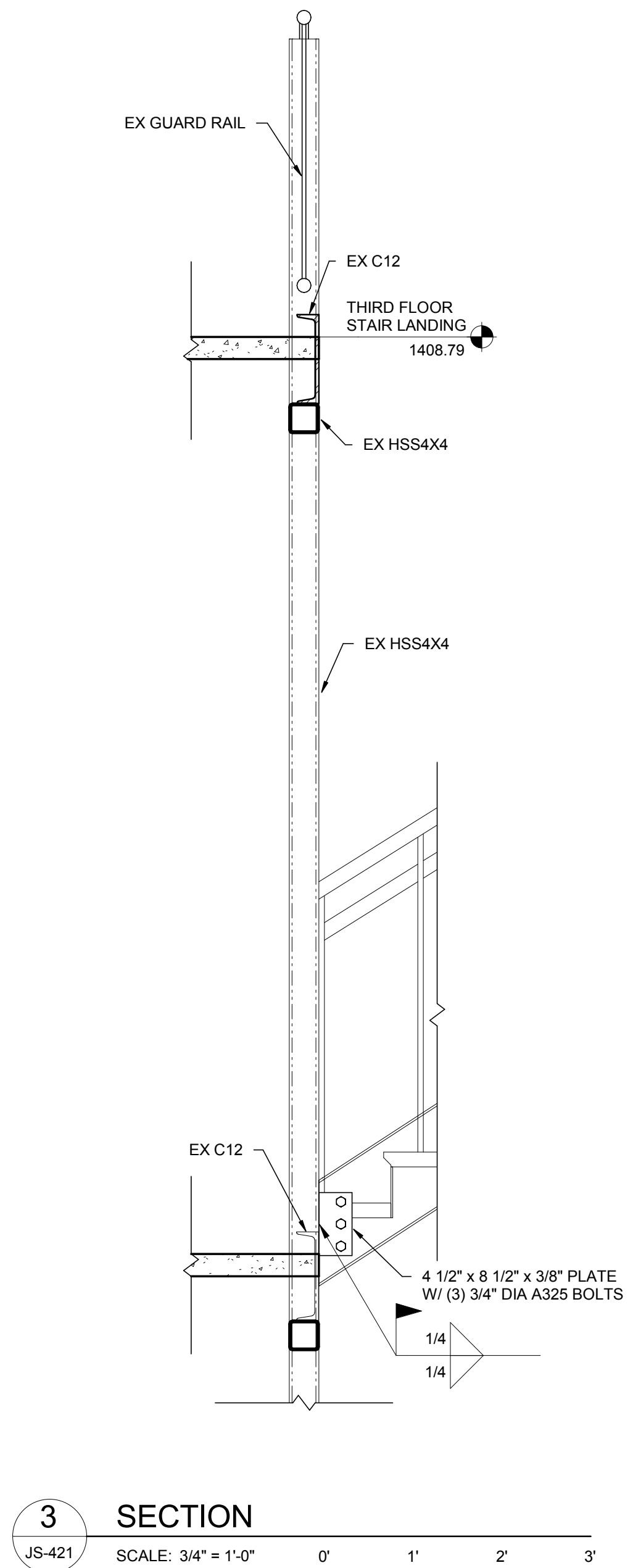
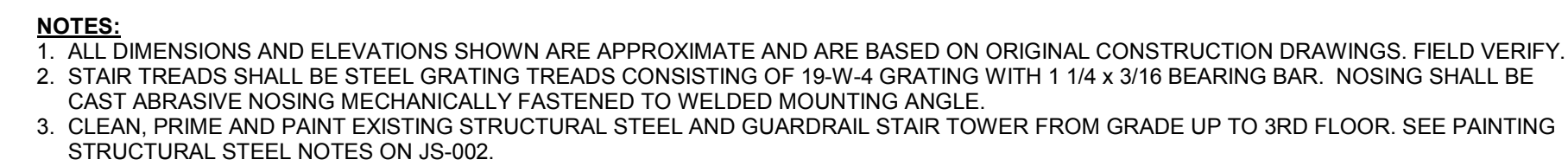
1.  AREAS OF DETERIORATION SHOWN ARE REPRESENTATIVE OF SIZE AND TYPE OF REPAIR. NOT ALL REPAIR LOCATIONS AND DETERIORATION ARE SHOWN ON PLANS. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND IDENTIFYING REPAIR AREA PRIOR TO DEMOLITION.
2. SEE CIP CURB LEGEND ON SHEET JS-002 FOR EXPLANATION OF NOTES AND SYMBOLS.

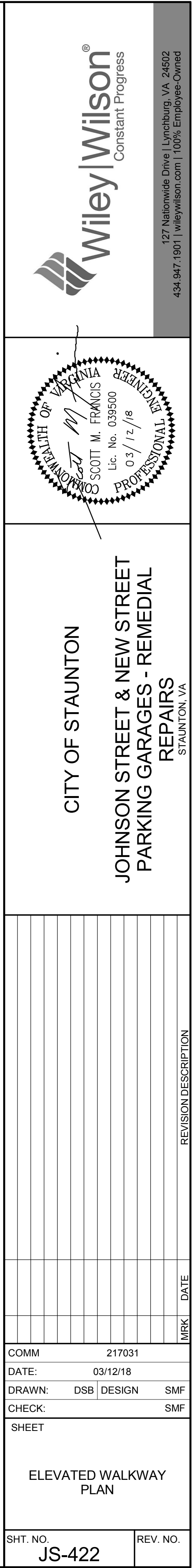
KEYNOTE	DESCRIPTION
R1	CIP TOPPING SLAB SPALL. SEE REPAIR ON SHEET JS-507
R2	CIP TOPPING SLAB DELAMINATION. SEE REPAIR ON SHEET JS-507
R3	CIP CONC CURB CRACK. SEE CRACK REPAIR NOTES ON SHEET JS-002
R4	CIP CONC CURB CRACK AT GUARDRAIL POST. SEE CRACK REPAIR NOTES ON SHEET JS-002
R5	PRECAST CONC TEE SPALL. SEE SPALL REPAIR ON SHEET JS-504
R6	CIP CONC CURB SPALL. SEE SPALL REPAIR ON SHEET JS-506
R7	PRECAST CONC TEE STEM SPALL. SEE REPAIR ON SHEET JS-501
R10	CIP TOPPING SLAB CRACK. SEE CONC CRACK REPAIR NOTES ON SHEET JS-002

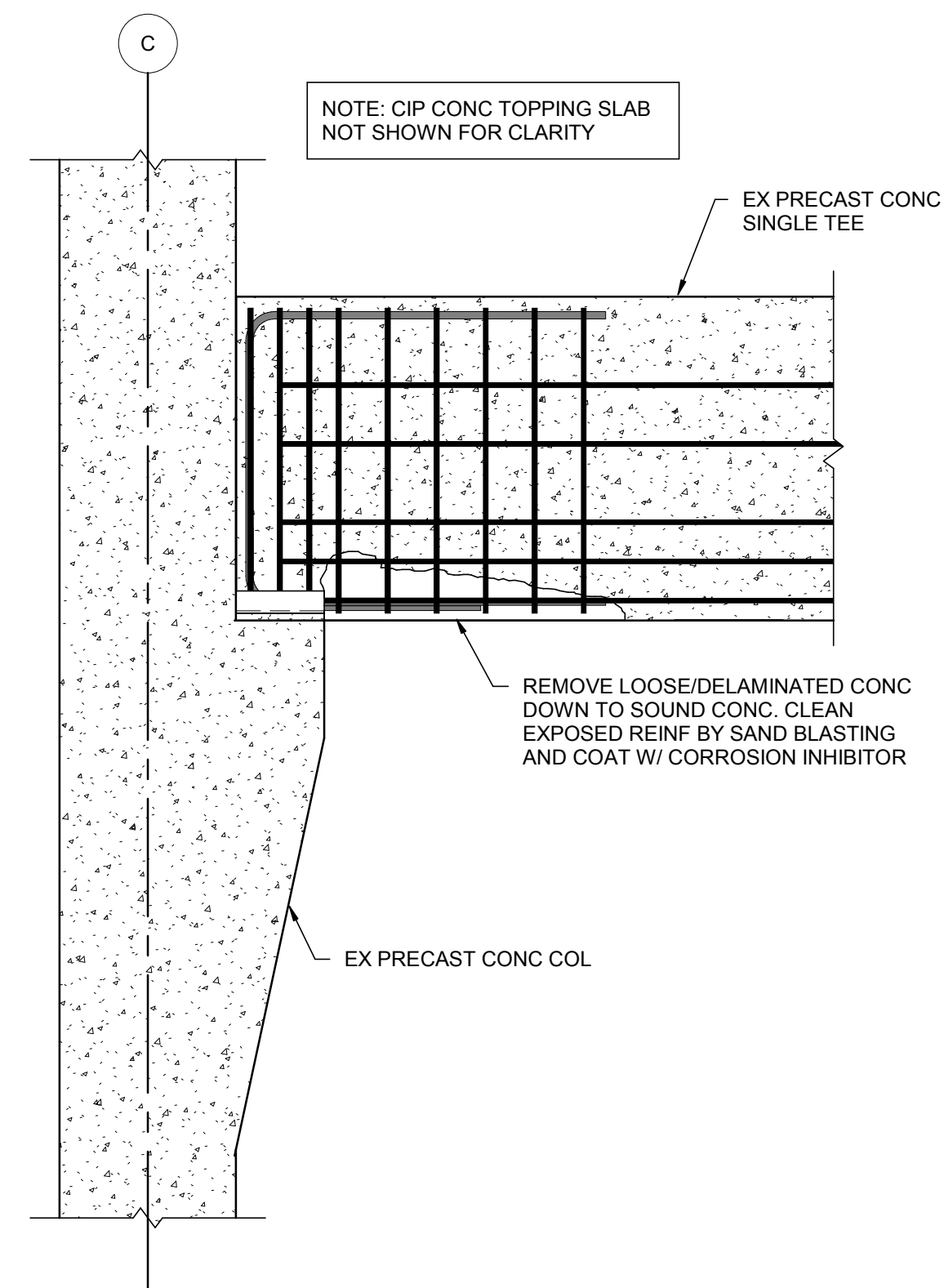


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DATE:		03/12/18	
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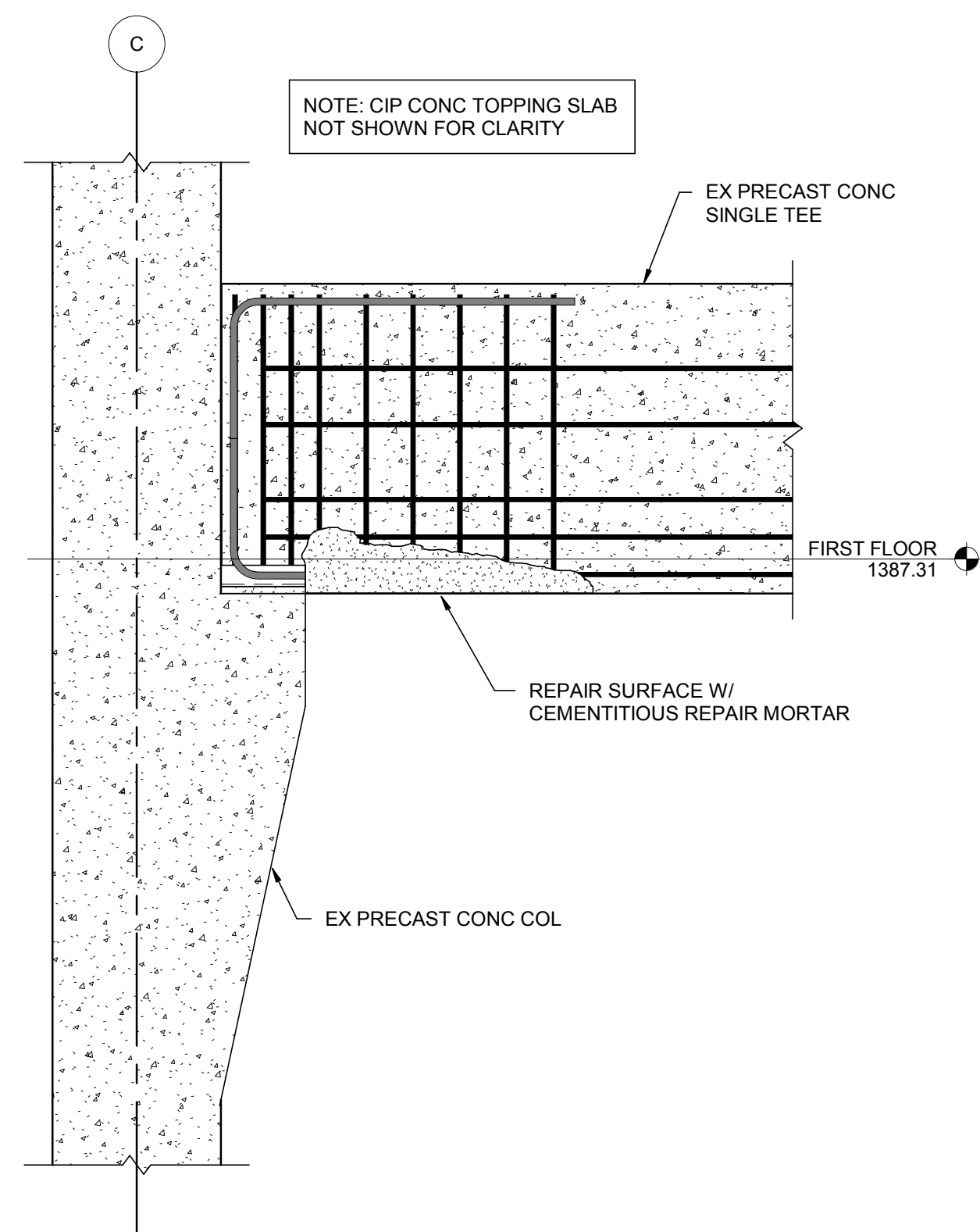
SHT. NO. JS-421	REV. NO.
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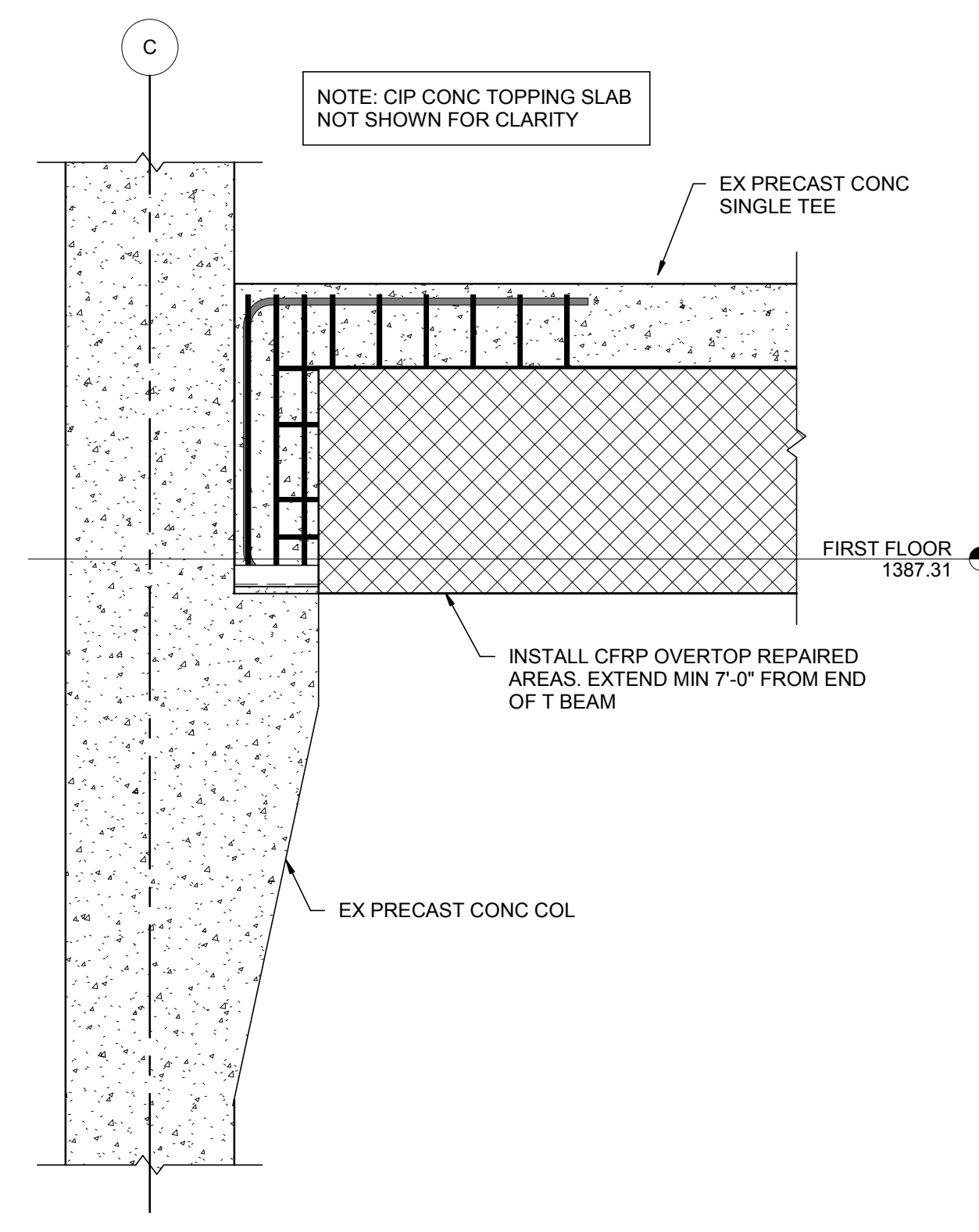




1 **DETAIL -PRECAST TEE STEM BEARING REPAIR**
SCALE: 3/4" = 1'-0"



2 DETAIL -PRECAST TEE STEM BEARING REPAIR

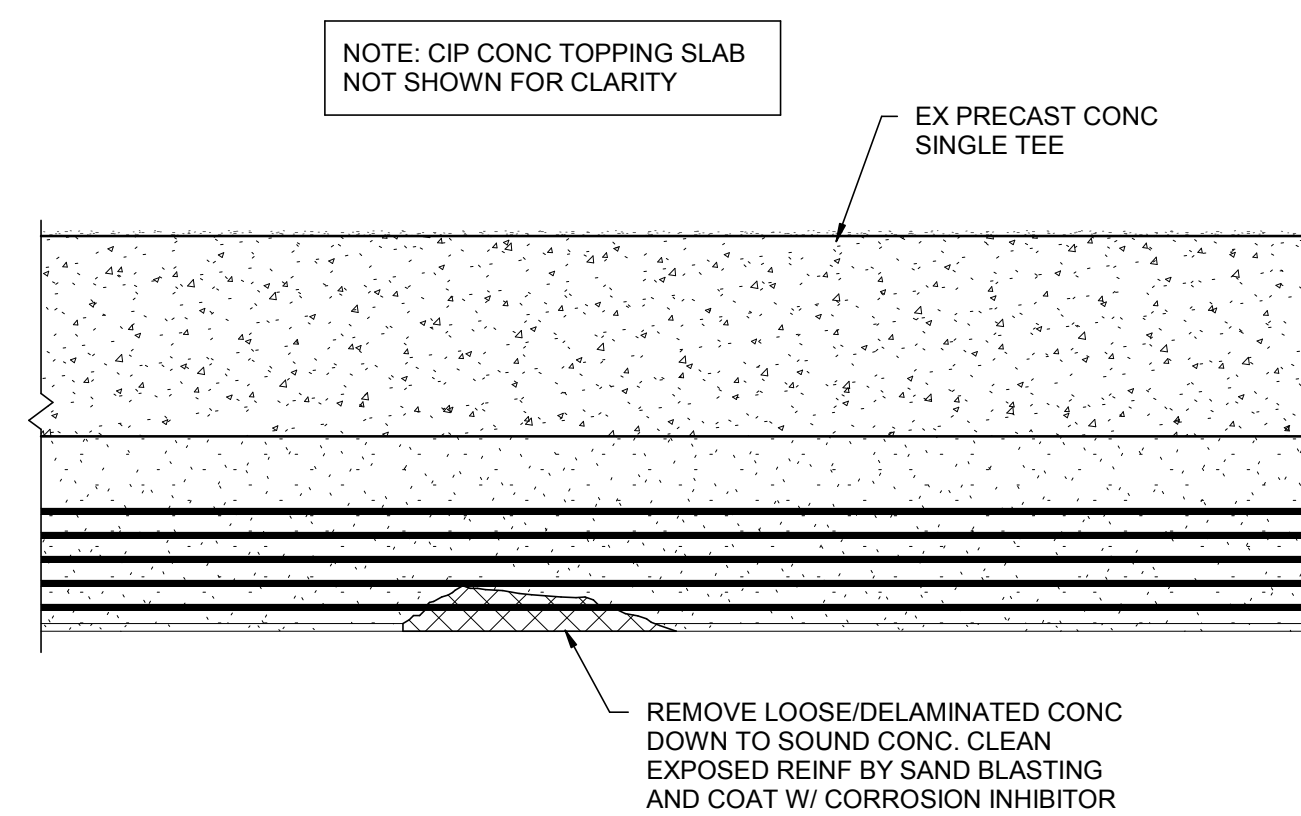


3 DETAIL -PRECAST TEE STEM BEARING REPAIR

SEQUENCE NOTES:
1. REMOVE GRILLE

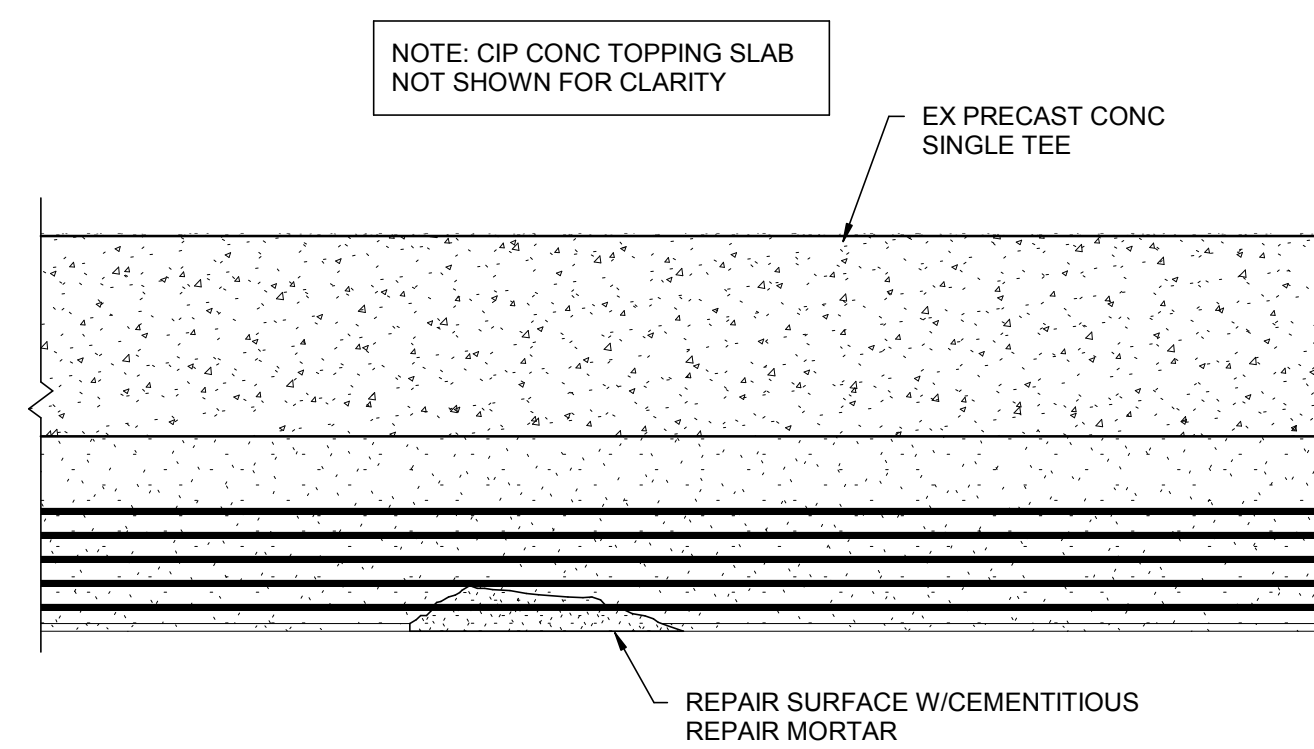
1. REMOVE EXPOSED/DELAMINATED CONCRETE DOWN TO SOUND CONCRETE (SEE DETAILS 1 & 4).
2. CLEAN SPALLS NORMAL REINFORCEMENT BY SANDBLASTING DOWN TO BARE METAL.
3. ADD CORROSION INHIBITOR OR EPOXY AGENT SUCH AS SIKK ARMATEC 110 EPOCURE TO REINFORCEMENT AND SURFACE OF CONCRETE TO BE PATCHED.
4. PATCH CONCRETE WITH CEMENTITIOUS REPAIR MORTAR (SEE DETAIL 2 & 5).
5. CURE REPAIR MORTAR 7 DAYS MINIMUM FOLLOWING MANUFACTURER'S INSTRUCTIONS.
6. AT BEARING ENDS ONLY: PREPARE SURFACE OF PRECAST CONCRETE SINGLE TEE TO RECEIVE CURE-BY-BLAST CLEAN, SHOTBLASTING OR OTHER APPROVED MECHANICAL METHOD TO PRODUCE A MINIMUM CSP 3.
7. AT BEARING ENDS ONLY: INSTALL SINGLE LAYER OF CFRP FABRIC OVER AREA INDICATED FOLLOWING ALL MANUFACTURER INSTRUCTIONS. (SEE DETAILS 3 & 6, THIS SHEET). ORIENT FABRIC SO THAT BIDIRECTIONAL FIBER ORIENTATION IS PARALLEL/PERPENDICULAR TO BEAM SPAN.

CONTRACTOR NOTE PRECAST CONCRETE TEES HAVE BEEN CONSTRUCTED WITH PRETENSIONED HIGH STRENGTH STEEL STRAND REINFORCEMENT INSIDE OF THE #4 STIRRUPS WITHIN THE STEMS OF THE MEMBERS. CARE SHALL BE TAKEN TO AVOID REMOVING EXCESS CONCRETE AND DAMAGING THE PRETENSIONED STRANDS OR RELEASING THEIR PRETENSION FORCES. SHORE MEMBERS AS NECESSARY TO PREVENT THE RELEASE OF PRETENSIONED REINFORCEMENT FORCES FROM CAUSING THE COLLAPSE OF THE MEMBER.

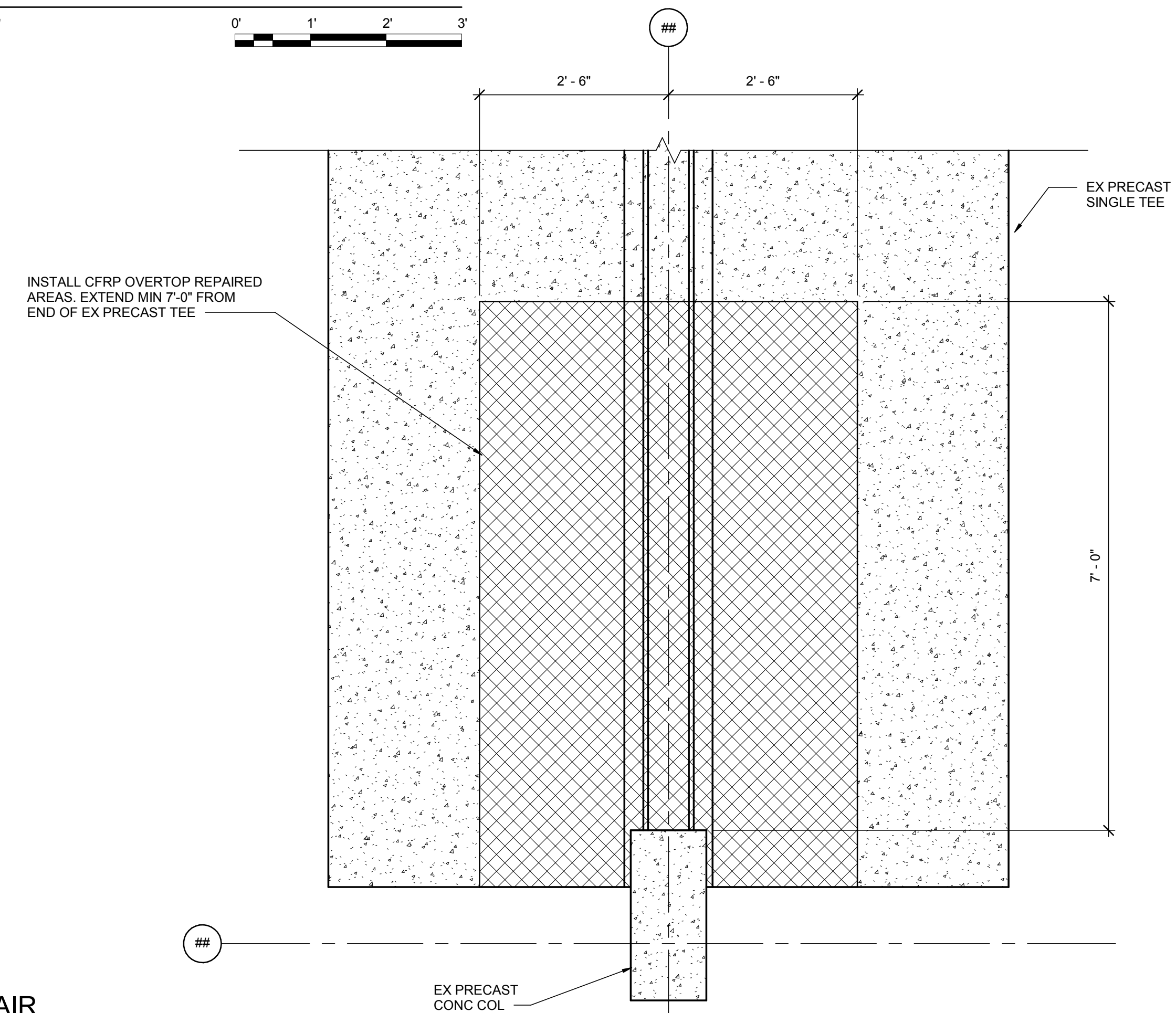


4 DETAIL -PRECAST TEE STEM NON-BEARING END REPAIR

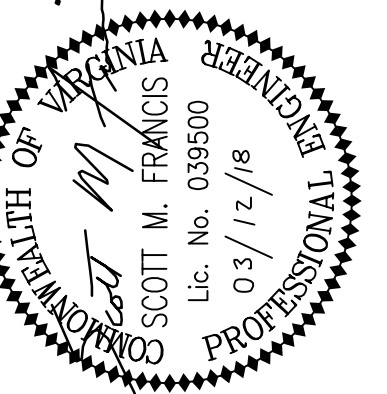
SCALE: 3/4" = 1'-0"



5 DETAIL -PRECAST TEE STEM NON-BEARING END REPAIR



6 DETAIL - PRECAST TEE UNDERSIDE @ BEARING
SCALE: 3/4" = 1'-0"



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PARKING GARAGES - REMEDIAL
REPAIRS
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SHEET			

RECAST SINGLE TEE BEARING REPAIRS

SHT. NO. JS-501	REV. NO.
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1 ISOMER
NOT TO SCALE



SCALE: 3/4" = 1'-0"



SIDE VIEW

NOTES:

1. BEARING PAD SHALL BE HOMOGENEOUS BLEND OF RUBBER ELASTOMER AND HIGH STRENGTH RANDOM ORIENTED SYNTHETIC FIBER WITH THE FOLLOWING PHYSICAL PROPERTIES:

- a. MIN SHORE A HARDNESS 75
- b. MIN COMPRESSION ULTIMATE 8000 PSI
- c. SHEAR MODULUS (G) 170 PSI @ 70 DEGREES F AND 1000 PSI COMPRESSION
- d. MIN TENSILE STRENGTH 1000 PSI
- e. TEAR STRENGTH 400 LB/IN MIN

SIDE VIEW

DETAIL - BEARING PAD

NOT TO SCALE

SEQUENCE OF BEARING PAD REPLACEMENT AT ALL BEARING LOCATIONS

1. PROVIDE TEMPORARY SHORING AT EACH END OF PRECAST SINGLE TEE.
2. GRIND WELDS CONNECTING REBAR WITHIN THE FOUR (4) OUTERMOST FLANGE CHORD CONNECTIONS CONNECTING THE SINGLE PRECAST TEE TO ADJACENT PRECAST SINGLE TEE.
3. JACK BOTH ENDS OF PRECAST SINGLE TEE SIMULTANEOUSLY THE MINIMUM AMOUNT NECESSARY TO REMOVE THE EXISTING BEARING PAD AND REPLACE IT WITH THE NEW BEARING PAD.
4. INSTALL NEW BEARING PAD ADHERING IT TO PRECAST CONCRETE CORBEL WITH ADHESIVE.
5. SIMULTANEOUSLY LOWER BOTH ENDS OF PRECAST SINGLE TEE.
6. SEE SHEET JS-503 FOR REPAIR OF FLANGE CHORD CONNECTIONS.



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SHEET			

BEARING PAD REPLACEMENT SEQUENCE & SECTIONS

SHT. NO. JS-502	REV. NO.
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1. SANDBLAST EXISTING FLANGE CHORD CONNECTION AND INSPECT EXPOSED REINFORCEMENT FOR SECTION LOSS OR DAMAGED/BROKEN WELDS.
2. IF EXISTING FLANGE CHORD CONNECTION IS INTACT AND THERE IS NO SECTION LOSS IN THE REINFORCEMENT, COAT EXPOSED STEEL WITH SIKA ARMATEC 110 EPOCEM. NO FURTHER REPAIRS ARE NEEDED.
3. IF EXISTING WELDS ARE DAMAGED/BROKEN BUT REINFORCEMENT DOES NOT SHOW SIGNS OF SECTION LOSS, RE-ATTACH REBAR BY WELDING, COAT THE EXPOSED REINFORCEMENT WITH SIKA ARMATEC 110 EPOCEM. NO FURTHER REPAIRS ARE NECESSARY.
4. IF THE REINFORCEMENT FOR THE FLANGE CHORD CONNECTION IS DAMAGED OR SHOWS SIGNS OF SECTION LOSS, APPLY SIKA ARMATEC 110 EPOCEM TO COAT REINFORCEMENT AND INSTALL CFRP V2 COMPOSITES T-BISCUIT AS INDICATED IN DETAILS 3 & 4 ON THIS SHEET.

COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
SCOTT M. FRANCIS
Lic. No. 039500
03/12/18

CITY OF STAUNTON
JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS
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DATE:		03/12/18	
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SHEET			
PRECAST SINGLE TEE FLANGE CHORD CONNECTION REPAIRS			
HT. NO. JS-503		REV. NO.	



SEQUENCE OF SPALL REPAIR

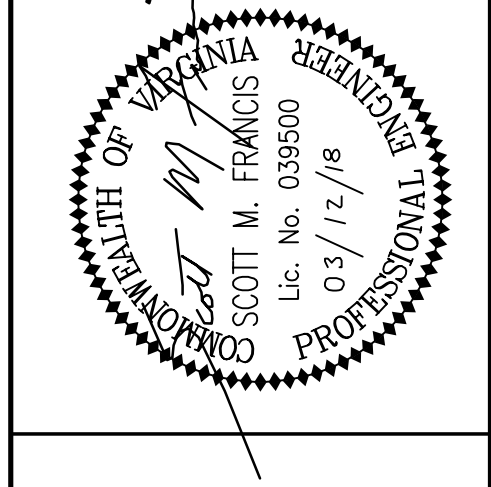
1. CHIP OUT OR CUT OUT EXISTING SPALLED CONCRETE TO SOUND CONCRETE.
2. CLEAN SURFACE AS REQUIRED PER MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
3. APPLY SIKKA ARMATEC 110 EPOCUM WITH STIFF BRISTLE BRUSH 20 MILS THICK, COVERING ALL EXPOSED STEEL. CURE TO TACK-FREE 2-3 HOURS. APPLY A SECOND COAT AT 20 MILS. PLACE REPAIR MATERIAL WHILE SIKKA ARMATEC 110 EPOCUM IS STILL WET.
4. PRE-WET CONCRETE SURFACE TO SATURATED SURFACE DRY (SSD) WITH NO STANDING WATER DURING APPLICATION. APPLY SCRUB COAT TO SUBSTRATE, FILLING ALL PORES AND VOIDS.
5. WHILE SCRUB COAT IS STILL WET APPLY SIKAREPAIR 223.

COMM		217031	
DATE:		03/12/18	
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SHEET			
SPALL REPAIR TO SINGLE TEE FLANGES			
SHT. NO.		REV. NO.	
JS-504			

CITY OF STAUNTON

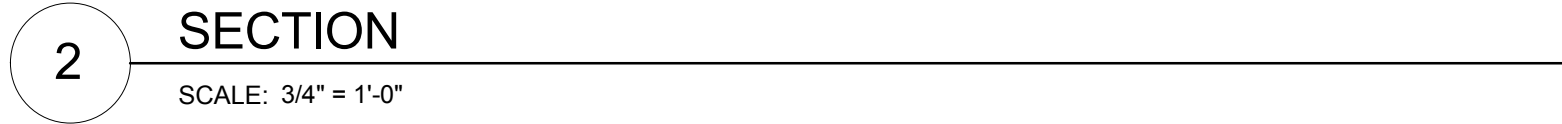
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STAUNTON, VA



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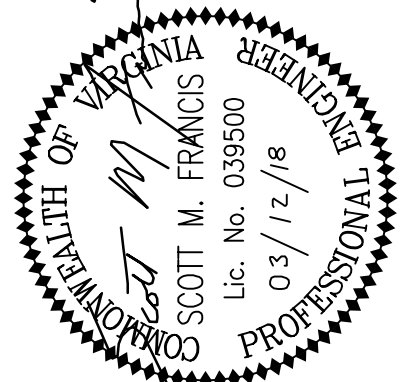
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1. CHIP OUT OR CUT OUT EXISTING SPALLED CONCRETE TO SOUND CONCRETE.
2. CLEAN SURFACE AS REQUIRED PER MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
3. APPLY SIKKA ARMATEC 110 EPOCHEM WITH STIFF BRISTLE BRUSH 20 MILS THICK, COVERING ALL EXPOSED STEEL. CURE TO TACK-FREE 2-3 HOURS. APPLY A SECOND COAT AT 20 MILS. PLACE REPAIR MATERIAL WHILE SIKKA ARMATEC 110 EPOCHEM IS STILL WET.
4. PRE-WET CONCRETE SURFACE TO SATURATED SURFACE DRY (SSD) WITH NO STANDING WATER DURING APPLICATION. APPLY SCRUB COAT TO SUBSTRATE, FILLING ALL PORES AND VOIDS.
5. WHILE SCRUB COAT IS STILL WET APPLY SIKKAREPAIR 223.

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SHT. NO. JS-505	REV. NO.
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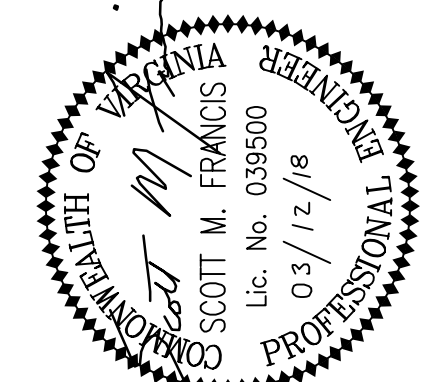
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PARKING GARAGES - REMEDIAL
REPAIRS

STAUNTON, VA



1. CHIP OUT OR CUT OUT EXISTING SPALLED CONCRETE TO SOUND CONCRETE.
2. CLEAN SURFACE AS REQUIRED PER MANUFACTURER'S SPECIFICATIONS AND PROCEDURES.
3. APPLY SIKKA ARMATEC 110 EPOCEM WITH STIFF BRISTLE BRUSH 20 MILS THICK, COVERING ALL EXPOSED STEEL. CURE TO TACK-FREE 2-3 HOURS. APPLY A SECOND COAT AT 20 MILS. PLACE REPAIR MATERIAL WHILE SIKKA ARMATEC 110 EPOCEM IS STILL WET.
4. PRE-WET CONCRETE SURFACE TO SATURATED SURFACE DRY (SSD) WITH NO STANDING WATER DURING APPLICATION. APPLY SCRUB COAT TO SUBSTRATE, FILLING ALL PORES AND VOIDS.
5. WHILE SCRUB COAT IS STILL WET APPLY SIKAREPAIR 223.

SHT. NO. JS-506	REV. NO.
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REPAIRS
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16

9'-0"

EX JOINT

EXTENT OF REPAIR

REPRESENTATIVE
EXTENT OF SPALLED
AND/OR DELAMINATED
TOPPING SLAB

4" MIN

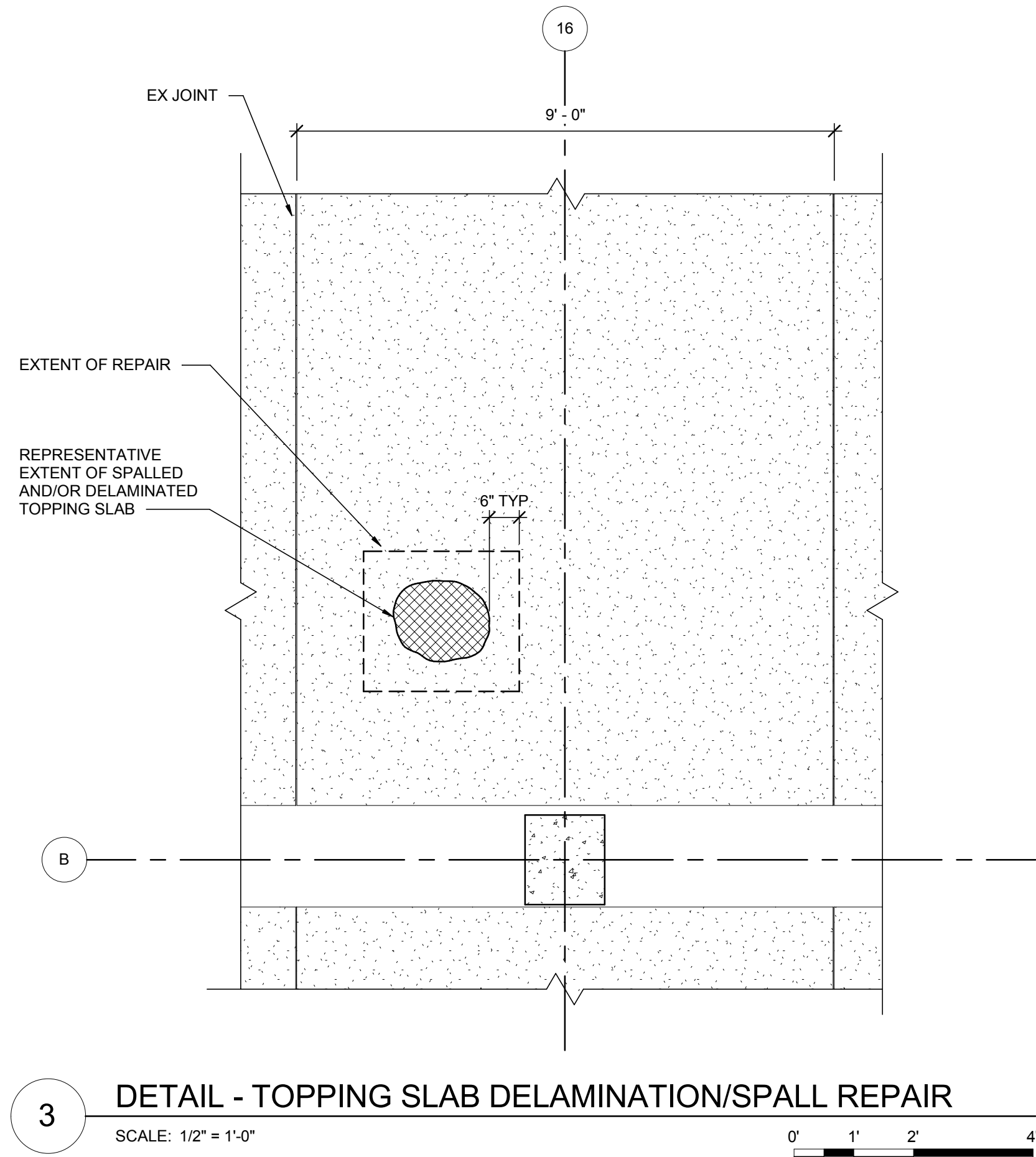
B

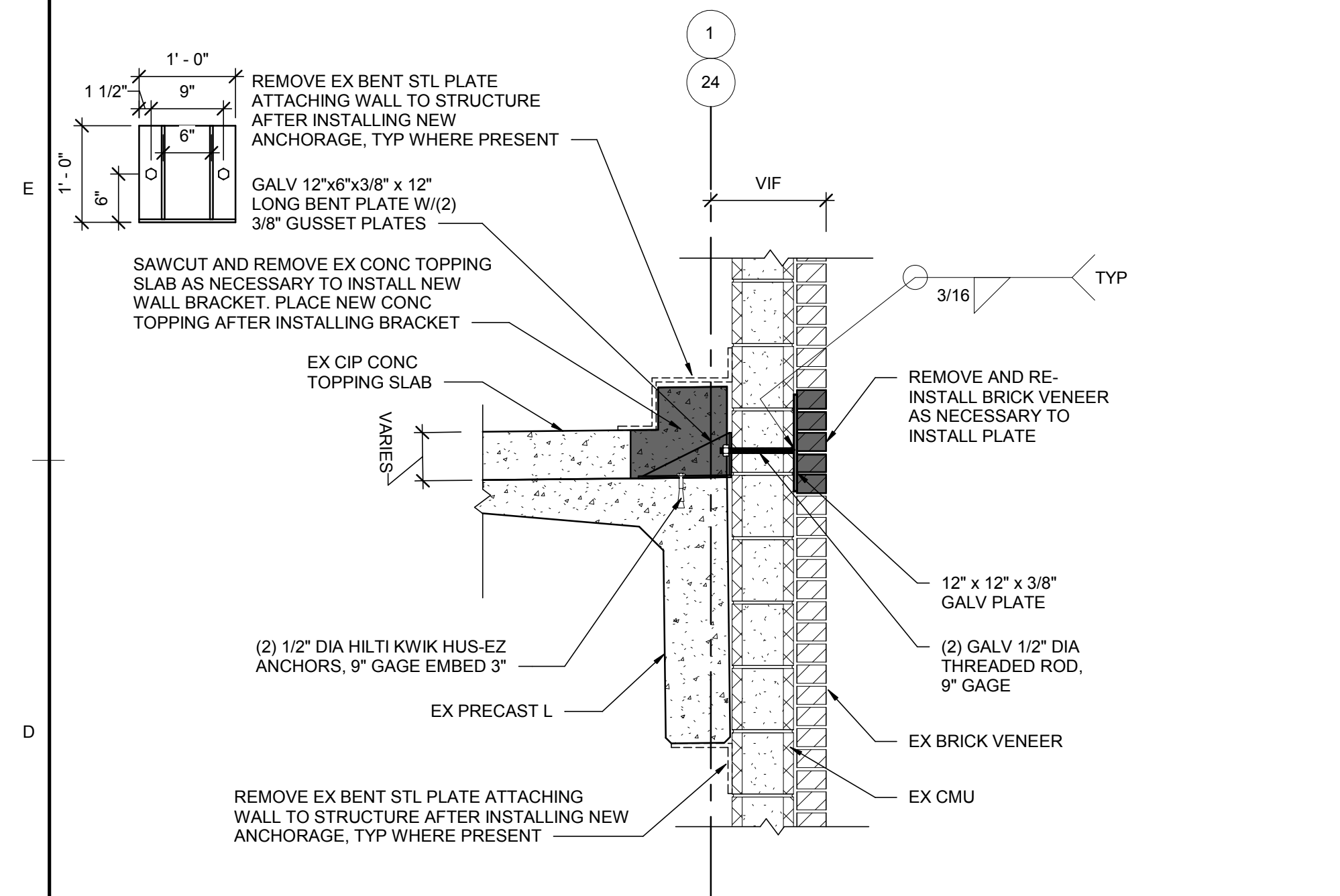
0' 1' 2' 4'

2

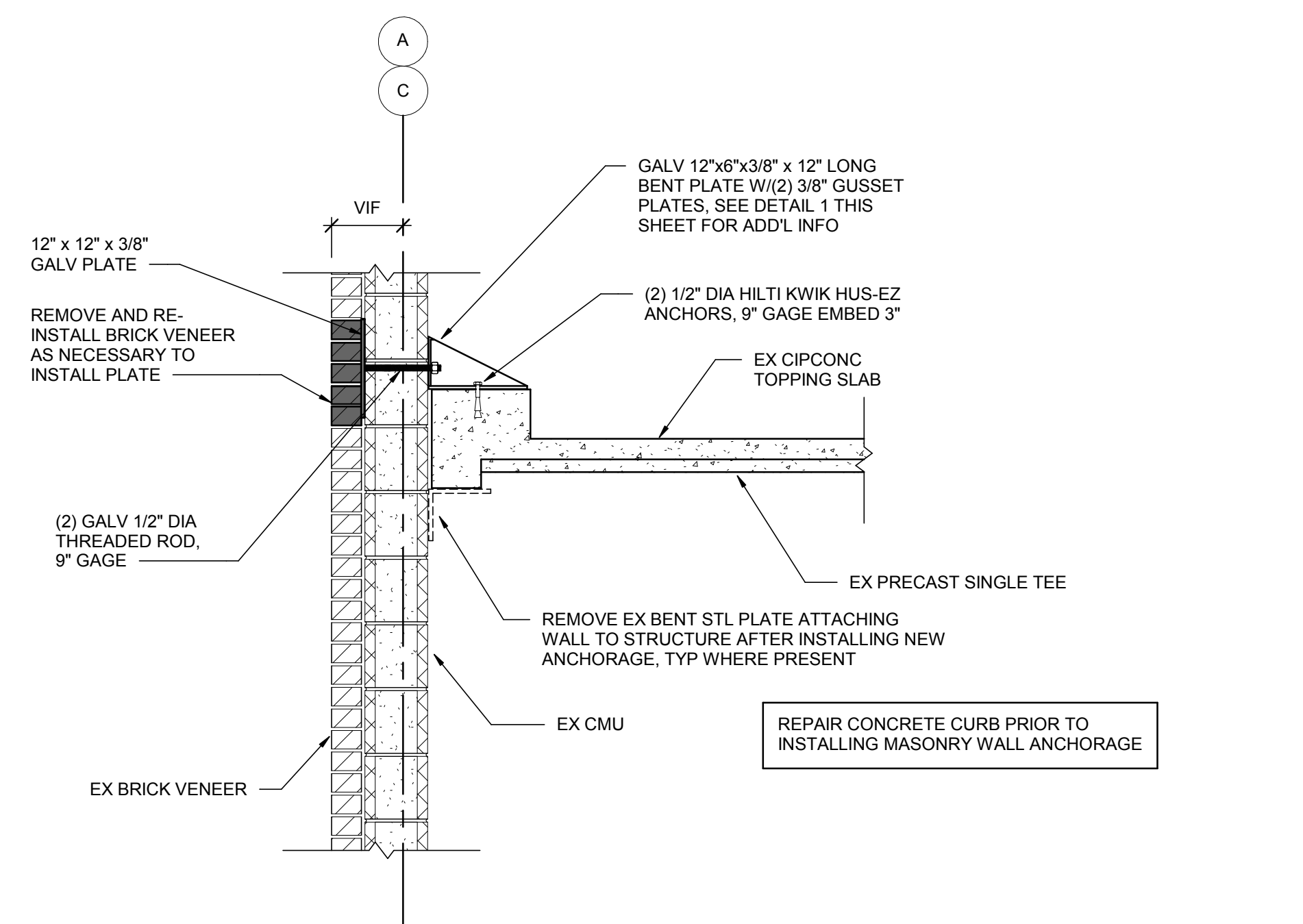
DETAIL - TOPPING SLAB DELAMINATION/SPALL REPAIR

SCALE: 1/2" = 1'-0"

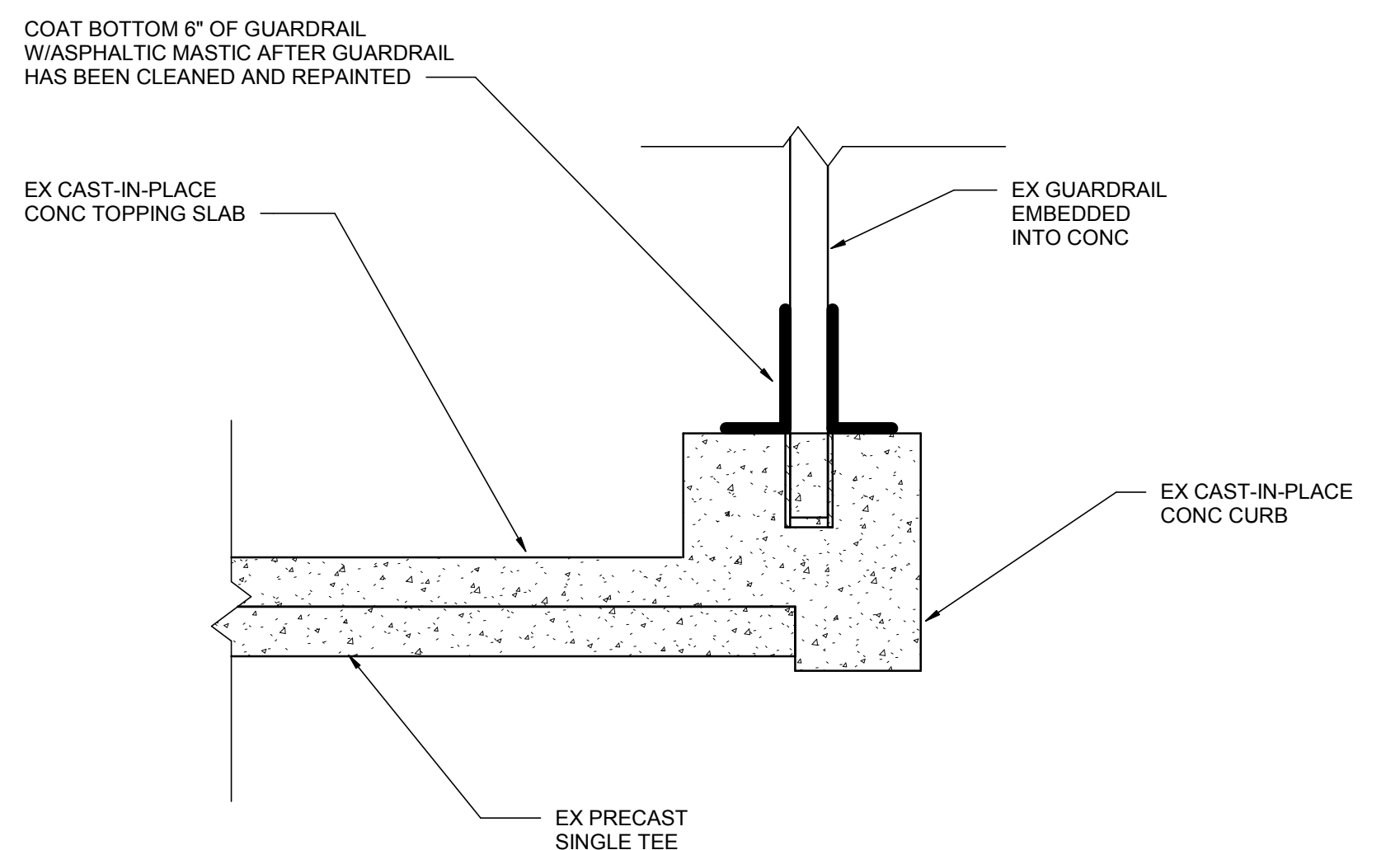




1 DETAIL - MASONRY WALL ANCHORAGE - LEFT & RIGHT ELEVATIONS



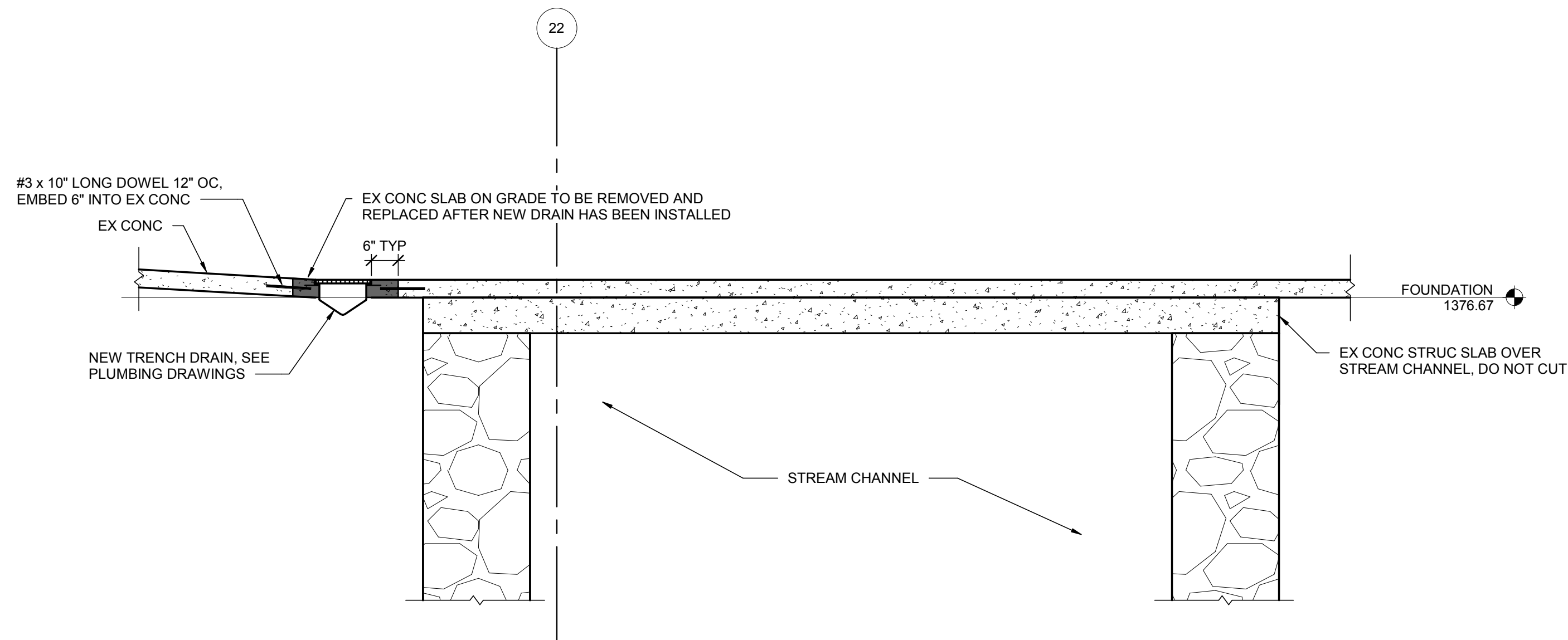
2 DETAIL - MASONRY WALL ANCHORAGE - FRONT & REAR ELEVATIONS



3 DETAIL - GUARDRAIL BASES

SCALE: 1 1/2" = 1'-0"

0' 6" 1' 18"



4 SECTION
JS-101 NOT TO SCALE



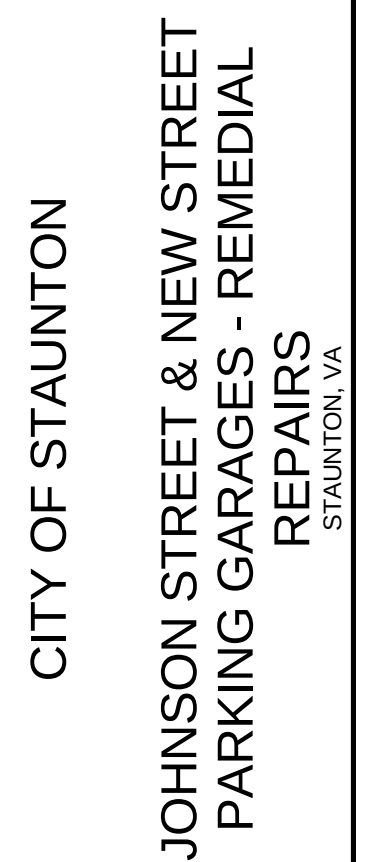
CITY OF STAUNTON
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[illegible]

COMM	217031		
DATE:	03/12/18		
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CHECK:	SMF		

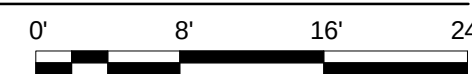
MASONRY WALL ANCHORAGE & GUARDRAIL BASE DETAILS

SHT. NO. JS-508	REV. NO.
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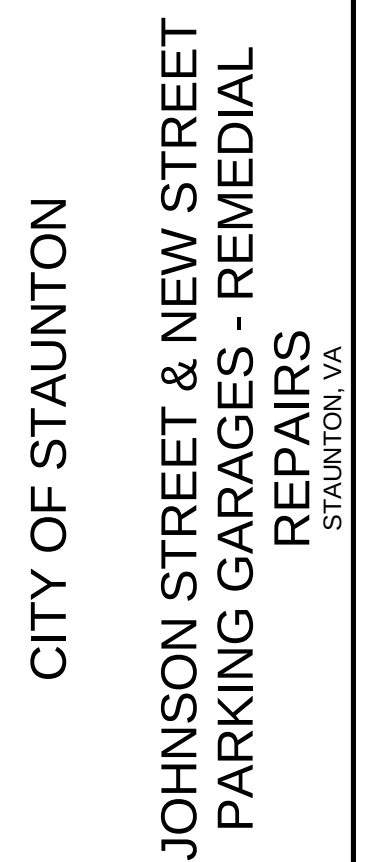


COMM NO:		217031	
DATE:		03/12/18	
DRAWN:	LAB	DESIGN:	LAB
CHECK:		KEL	

SHT. NO. JPD-101	REV. NO.
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1. DEMOLISH DRAIN GRATE AND DRAIN BOX AND PIPING CONNECTION TO EXTENT REQUIRED FOR NEW DRAIN CONNECTION, COORDINATE WITH STRUCTURAL AND NEW WORK PLAN.



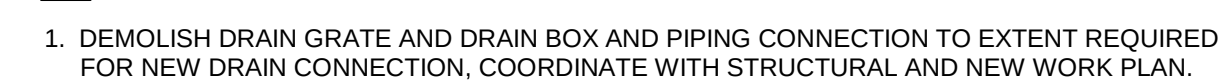
COMM NO:		217031	
DATE:		03/12/18	
DRAWN:	LAB	DESIGN:	LAB
CHECK:		KEL	

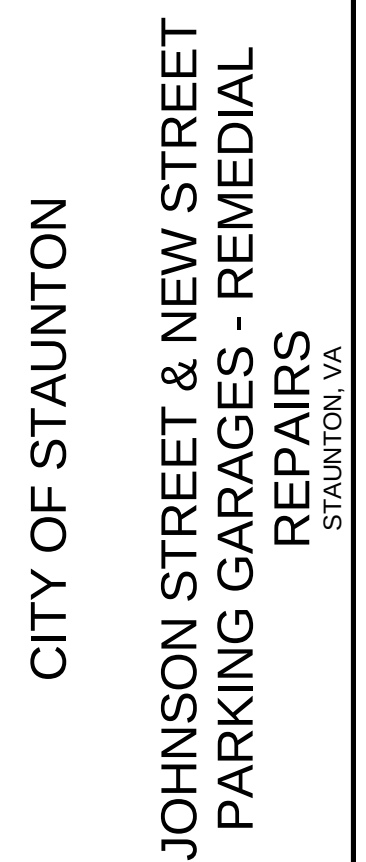
FIRST FLOOR
DEMOLITION PLAN

SHT. NO. JPD-102	REV. NO.
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SCALE: 3/32" = 1'-0"



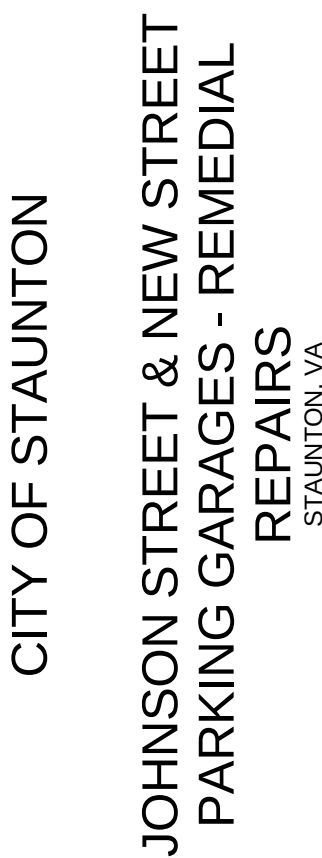


COMM NO: 217031	
DATE: 03/12/18	
DRAWN: LAB	DESIGN: LAB
CHECK:	KEL
SHEET TITLE	
SECOND FLOOR DEMOLITION PLAN	
SHT. NO. JPD-103	REV. NO.



SECOND FLOOR DEMOLITION PLAN

1. DEMOLISH DRAIN GRATE AND DRAIN BOX AND PIPING CONNECTION TO EXTENT REQUIRED FOR NEW DRAIN CONNECTION, COORDINATE WITH STRUCTURAL AND NEW WORK PLAN.



COMM NO: 217031	
DATE: 03/12/18	
DRAWN: LAB	DESIGN: LAB
CHECK: _____	KEL
SHEET TITLE	
THIRD FLOOR DEMOLITION PLAN	
SHT. NO. JPD-104	REV. NO.



SCALE: $3/32" = 1'-0"$

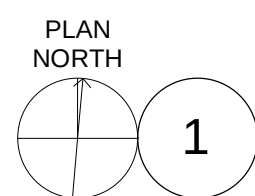
1. FOR LEGEND, ABBREVIATIONS, GENERAL NOTES, AND SPECIFICATIONS SEE DRAWING JP-001.
2. COORDINATE STORM DRAIN REMOVAL WITH STRUCTURAL.

1. DEMOLISH DRAIN GRATE AND DRAIN BOX AND PIPING CONNECTION TO EXTENT REQUIRED FOR NEW DRAIN CONNECTION, COORDINATE WITH STRUCTURAL AND NEW WORK PLAN.

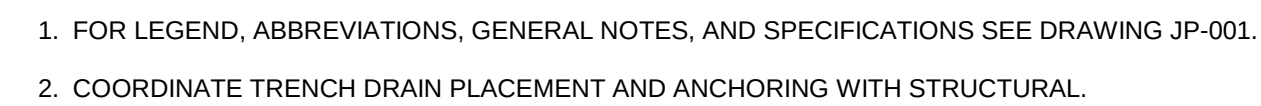


COMM NO:		217031	
DATE:		03/12/18	
DRAWN:	LAB	DESIGN:	LAB
CHECK:			REL

SHT. NO. JP-101	REV. NO.
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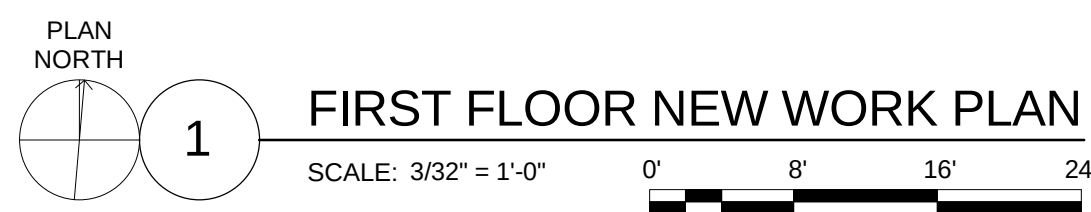
SCALE: 3/32" = 1'-0"



1. INSTALL NEW TRENCH DRAIN IN EXISTING SLAB. CONNECT NEW TRENCH DRAIN TO EXISTING PIPING. COORDINATE TRENCH DRAIN INSTALLATION WITH STRUCTURAL.



COMM NO: 217031	
DATE: 03/12/18	
DRAWN: LAB	DESIGN: LAB
CHECK:	KEL
SHEET TITLE	
FIRST FLOOR NEW WORK PLAN	
SHT. NO. JP-102	REV. NO.

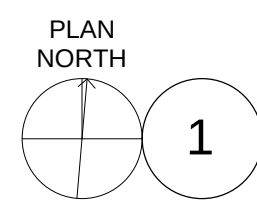


1. INSTALL NEW TRENCH DRAIN, SEE TRENCH DRAIN DETAIL ON SHEET JP -001.



COMM NO:		217031	
DATE:		03/12/18	
DRAWN:	LAB	DESIGN:	LAB
CHECK:		KEL	

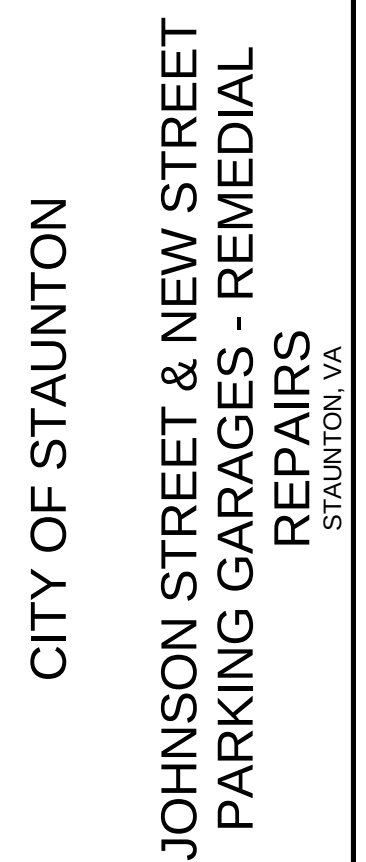
SHT. NO. JP-103	REV. NO.
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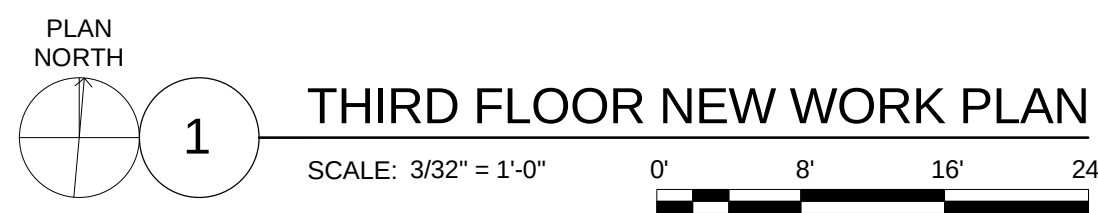
0' 8' 16' 24'

 KEY NOTES:

1. INSTALL NEW TRENCH DRAIN, SEE TRENCH DRAIN DETAIL ON SHEET JP -001.



COMM NO: 217031	
DATE: 03/12/18	
DRAWN: LAB	DESIGN: LAB
CHECK:	KEL
SHEET TITLE	
THIRD FLOOR NEW WORK PLAN	
SHT. NO. JP-104	REV. NO.



SCALE: 3/32" = 1'-0" 0' 8' 16' 24'

1. FOR LEGEND, ABBREVIATIONS, GENERAL NOTES, AND SPECIFICATIONS SEE DRAWING JP-001.
2. COORDINATE TRENCH DRAIN PLACEMENT AND ANCHORING WITH STRUCTURAL.

1. INSTALL NEW TRENCH DRAIN, SEE TRENCH DRAIN DETAIL ON SHEET JP-001.

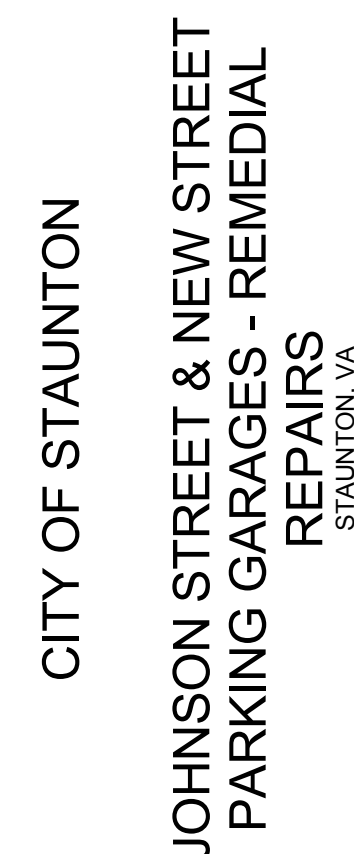


COMM NO:		217031.00	
DATE:		01/12/18	
DRAWN:	NAL	DESIGN:	NAL
CHECK:		RWS	

SHT. NO. JELD-001	REV. NO.
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1. REMOVE EXISTING LIGHT FIXTURE. DISCONNECT CONDUCTORS AND REMOVE BACK TO 20A SINGLE POLE BREAKER IN PANEL A.
2. REMOVE WALL MOUNTED LIGHT FIXTURE. DISCONNECT CONDUCTORS AND REMOVE BACK TO 20A SINGLE POLE BREAKER IN PANEL A.

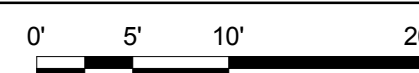




COMM NO:		217031.00	
DATE:		01/12/18	
DRAWN:	NAL	DESIGN:	NAL
CHECK:		RWS	
SHEET TITLE			
FIRST FLOOR LIGHTING DEMOLITION PLAN			
SHT. NO.		REV. NO.	
JELD-002			

1. REMOVE ALL RUSTED/BROKEN CONDUIT AND JUNCTION BOXES THAT ROUTE CONDUCTORS TO LIGHT FIXTURES. REMOVE ANY FREE-HANGING CONDUIT AND REROUTE CONDUIT ALONG CONCRETE SURFACE.

1. REMOVE EXISTING LIGHT FIXTURE. DISCONNECT CONDUCTORS AND REMOVE BACK TO 20A SINGLE POLE BREAKER IN PANEL A.



[illegible]

COMM NO:	217031.00		
DATE:	01/12/18		
DRAWN:	NAL	DESIGN:	NAL
CHECK:	RWS		

SHEET TITLE

SECOND FLOOR
LIGHTING DEMOLITION
PLAN

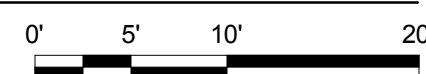
SHT. NO. JELD-003	REV. NO.
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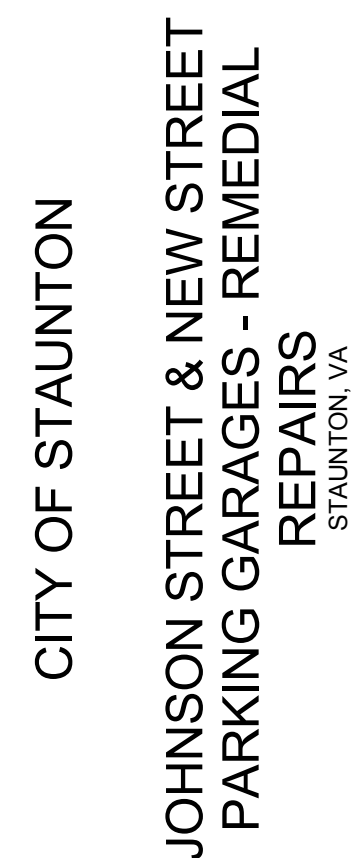
1. REMOVE ALL RUSTED/BROKEN CONDUIT AND JUNCTION BOXES THAT ROUTE CONDUCTORS TO LIGHT FIXTURES. REMOVE ANY FREE-HANGING CONDUIT AND REROUTE CONDUIT ALONG CONCRETE SURFACE.

1. REMOVE EXISTING LIGHT FIXTURE. DISCONNECT CONDUCTORS AND REMOVE BACK TO 20A SINGLE POLE BREAKER IN PANEL A.



SCALE: 1" = 10'-0"

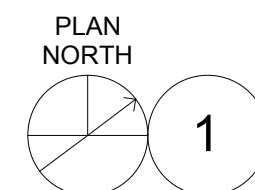




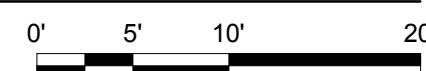
COMM NO: 217031.00	
DATE: 01/12/18	
DRAWN: NAL	DESIGN: NAL
CHECK: RWS	
SHEET TITLE	
GROUND FLOOR LIGHTING NEW WORK PLAN	
SHT. NO. JEL-001	REV. NO.

1. PROVIDE NEW JUNCTION BOX, CONDUCTORS, AND CONDUIT TO REPLACE RUSTED/BROKEN JUNCTION BOXES AND CONDUIT USED FOR LIGHT FIXTURES.
2. SURFACE MOUNT ALL LIGHT FIXTURES TO CEILING ALONG THE STRUCTURAL DIVIDE IN ACCORDANCE WITH SPECIFICATIONS AND APPLICABLE CODES.
3. ALL NEW LIGHT FIXTURES FROM FOUNDATION TO SECOND FLOOR SHALL BE CIRCUITED FROM 120/208V PANEL A IN ELECTRICAL ROOM.

1. PROVIDE 120V LED CEILING MOUNTED LIGHT FIXTURE IN PLACE OF EXISTING LIGHT FIXTURE. PROVIDE 12 AWG SOLID COPPER CONDUCTORS TO CIRCUIT LIGHT FIXTURE.
2. PROVIDE 120V LED CEILING MOUNTED LIGHT FIXTURE. PROVIDE 12 AWG SOLID COPPER CONDUCTORS TO CIRCUIT LIGHT FIXTURE.
3. EXISTING TO REMAIN MASTER SWITCH. RECONNECT TO NEW LIGHTING CIRCUIT FOR REUSE.



SCALE: 1" = 10'-0"





COMM NO:		217031.00	
DATE:		01/12/18	
DRAWN:	NAL	DESIGN:	NAL
CHECK:			RWS

SHT. NO. JEL-002	REV. NO.
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1. PROVIDE NEW JUNCTION BOX, CONDUCTORS, OR CONDUIT TO REPLACE RUSTED/BROKEN JUNCTION BOXES AND CONDUIT USED FOR LIGHT FIXTURES. MATCH EXISTING SIZE AND TYPE.
2. SURFACE MOUNT ALL LIGHT FIXTURES TO CEILING ALONG THE STRUCTURAL DIVIDE SIMILAR TO EXISTING CONDITIONS.
3. ALL NEW LIGHT FIXTURES FROM FOUNDATION TO SECOND FLOOR SHALL BE CIRCUITED FROM 208V PANEL A IN ELECTRICAL ROOM.

1. PROVIDE 120V LED CEILING MOUNTED LIGHT FIXTURE IN PLACE OF EXISTING LIGHT FIXTURE. PROVIDE 12 AWG SOLID COPPER CONDUCTORS TO CIRCUIT LIGHT FIXTURE.
2. PROVIDE 120V LED CEILING MOUNTED LIGHT FIXTURE. PROVIDE 12 AWG SOLID COPPER CONDUCTORS TO CIRCUIT LIGHT FIXTURE.



SCALE: 1" = 10'-0"

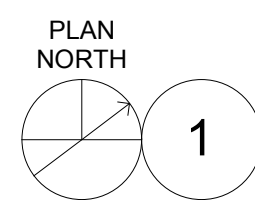


COMM NO:		217031.00	
DATE:		01/12/18	
DRAWN:	NAL	DESIGN:	NAL
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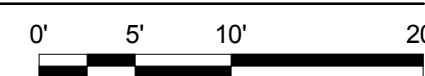
SHT. NO. JEL-003	REV. NO.
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1. PROVIDE NEW JUNCTION BOX, CONDUCTORS, OR CONDUIT TO REPLACE RUSTED/BROKEN JUNCTION BOXES AND CONDUIT USED FOR LIGHT FIXTURES. MATCH EXISTING SIZE AND TYPE.
2. SURFACE MOUNT ALL LIGHT FIXTURES TO CEILING ALONG THE STRUCTURAL DIVIDE SIMILAR TO EXISTING CONDITIONS.
3. ALL NEW LIGHT FIXTURES FROM FOUNDATION TO SECOND FLOOR SHALL BE CIRCUITED FROM 208V PANEL A IN ELECTRICAL ROOM.

1. PROVIDE 120V LED CEILING MOUNTED LIGHT FIXTURE IN PLACE OF EXISTING LIGHT FIXTURE. PROVIDE 12 AWG SOLID COPPER CONDUCTOR TO CIRCUIT LIGHT FIXTURE.
2. PROVIDE 120V LED CEILING MOUNTED LIGHT FIXTURE. PROVIDE 12 AWG SOLID COPPER CONDUCTORS TO CIRCUIT LIGHT FIXTURE.



SCALE: 1" = 10'-0"

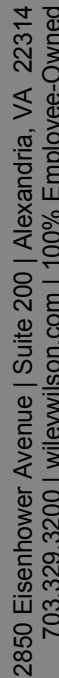




(E) FEEDER SCHEDULE			
FEEDER IDENTIFICATION	CONDUCTOR SETS	CONDUCTOR (QTY) SIZE	CONDUIT SIZE
A	1	(3) 3/0 AWG & (1) 6 EGC, 600V	4"
B	1	(4) 4/0 AWG & (1) 4 EGC, 600V	2-1/2"
C	1	(3) 4/0 AWG & (1) 4 EGC, 600V	4"

1. 120/240V DELTA HIGH LEG ELECTRICAL DISTRIBUTION SYSTEM AT THE DOMINION ENERGY POLE MOUNTED TRANSFORMER.
2. ALL ELECTRICAL EQUIPMENT AND FEEDERS SHOWN ARE EXISTING TO REMAIN AND ARE FOR REFERENCE ONLY.

1. EXISTING TAP AT DOMINION ENERGY METER
2. EXISTING DOMINION ENERGY POLE MOUNTED TRANSFORMER LOCATED OUTSIDE PARKING GARAGE.
3. REUSE 20A SINGLE POLE BREAKERS FOR GENERAL LIGHTING LOCATED IN PANEL A.
4. SINGLE POLE BREAKERS FOR POLE LIGHTS LOCATED IN PANEL B.

[illegible]

COMM NO:		217031.00	
DATE:		01/12/18	
DRAWN:	NAL	DESIGN:	NAL
CHECK:		RWS	

SHEET TITLE

EXISTING SINGLE LINE
DIAGRAM

SHT. NO. JE-601	REV. NO.
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REV. NO.

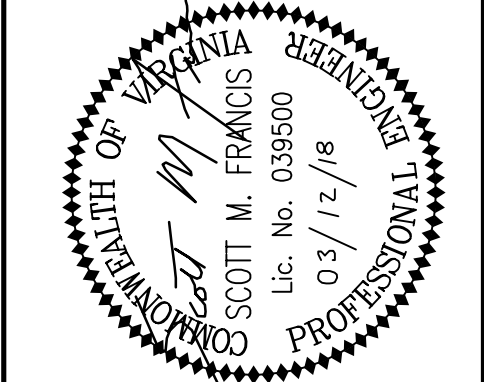
A. GENERAL

- ## B. CONCRETE MASONRY

- ### C. DEMOLITION

- #### D. PRESSURE WASHING

-  **Wiley | Wilson®**
Constant Progress
- 127 Nationwide Drive | Lynchburg, VA 24502
(34) 947.1901 | wileywilson.com | 100% Employee-Owned



CITY OF STAUNTON

JOHNSON STREET & NEW STREET
PARKING GARAGES - REMEDIAL
REPAIRS

STAUNTON, VA

[illegible]

COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	SMF
CHECK:		SMF	

SHEET

STRUCTURAL GENERAL
NOTES

SHT. NO. NS-001	REV. NO.
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A

JOINT SEALANT NOTES:

- RE-STRIPING NOTES:**

- SEQUENCE OF TRAFFIC COATING REPLACEMENT NOTES:**

- CONCRETE CRACK REPAIR NOTES:**

HORIZONTAL SURFACES

- ### SLOPED OR VERTICAL SURFACES

- GROUT POCKET REPAIR NOTES:**

- DECORATIVE METAL PAINT NOTES:**

- ### MASONRY REPAIR NOTES

- ### MORTAR JOINT REPAIR NOTES

1. REMOVE ANY LOOSE PIECES OF MORTAR FROM MORTAR JOINT.
2. RAKE CRACKED OR DETERIORATED MORTAR JOINTS TO A DEPTH OF 3/4".
3. TUCKPOINT PREPARED JOINT WITH MATCHING MORTAR.



COMM		217031	
DATE:		03/12/18	
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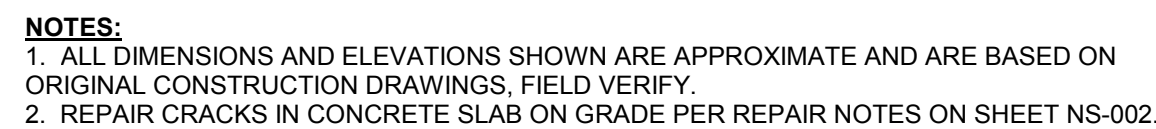
REPAIR NOTES

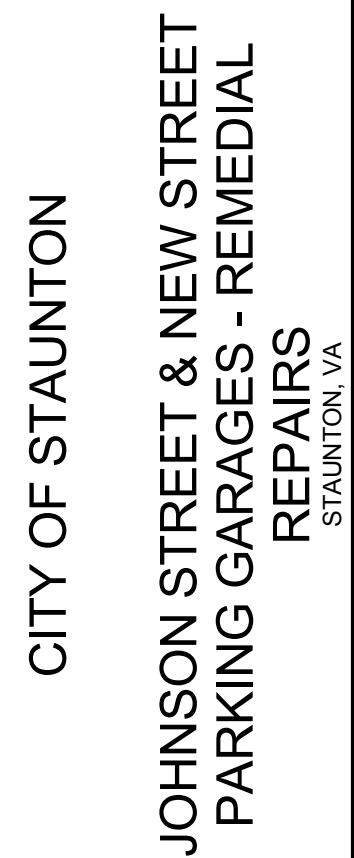
SHT. NO. NS-002	REV. NO.
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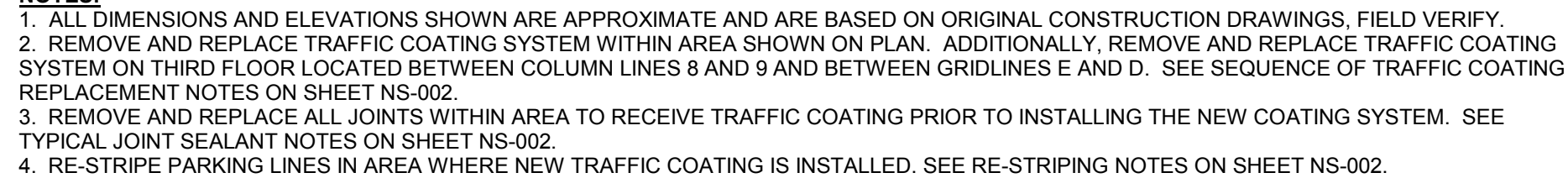
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DATE:		03/12/18	
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CHECK:			SMF

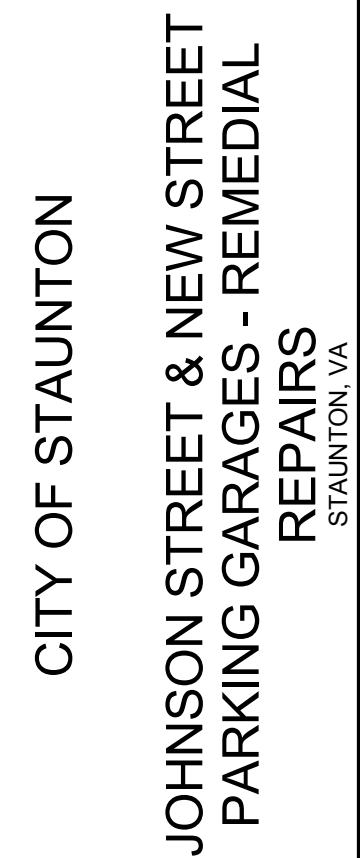
SHT. NO. NS-101	REV. NO.
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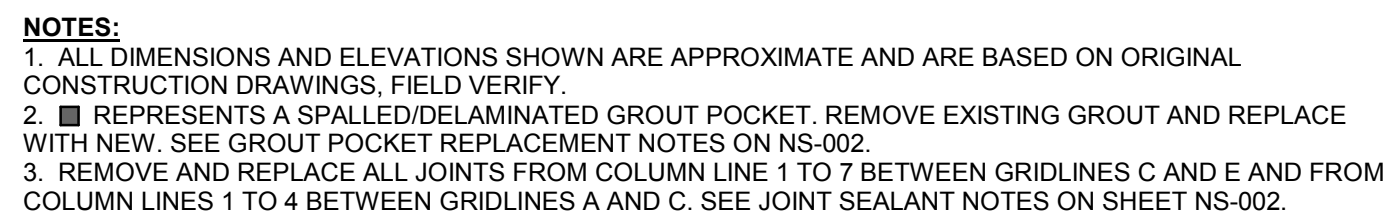
COMM		217031	
DATE:		03/12/18	
DRAWN: DSB		DESIGN	SMF
CHECK:		SMF	
SHEET			
SECOND FLOOR PLAN			
SHT. NO.		REV. NO.	
NS-102			

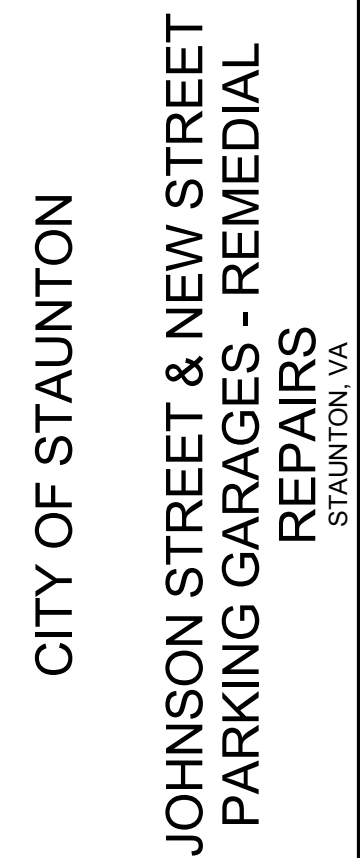




COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	SMF
CHECK:		SMF	
SHEET			

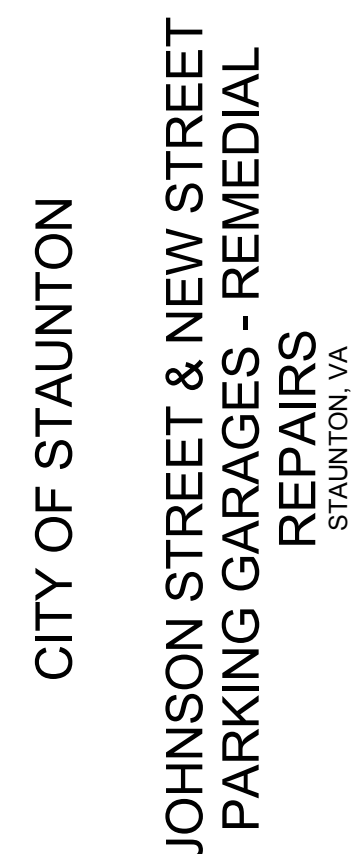
SHT. NO. NS-103	REV. NO.
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COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	SMF
CHECK:			SMF
SHEET			
FIFTH FLOOR PLAN			
SHT. NO.		REV. NO.	
NS-104			



[illegible]

COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	SMF
CHECK:		SMF	

SOUTH ELEVATION

SHT. NO. NS-201	REV. NO.
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LIGHT FIXTURES-
SEE ELEC
DRWGS TYPE

A

SOUTH ELEVATION (NEW ST)

NOT TO SCALE

NOTES:

- NOTES:
1. BACKGROUND IMAGE PROVIDED BY FRAZIER ASSOCIATES, SHEET A2.1, 05/26/2000.
 2. ——— INDICATES CRACK ON OUTSIDE FACE OF MASONRY WALL.
 3. - - - INDICATES CRACK ON INSIDE FACE OF MASONRY WALL.
 4. SEE DECORATIVE METAL PAINT NOTES ON SHEET NS-002 FOR ADDITIONAL DETAILS

ELEVATION BACKGROUND FROM
FRAZIER ASSOCIATES SHEET A2.1
DATED 05/26/2000

KEYNOTE	DESCRIPTION
M-1	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT, NO BROKEN MASONRY UNITS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON NS-002
M-2	VERTICAL CRACK BETWEEN CMU AND CONCRETE. REMOVE MORTAR JOINT AND REPLACE WITH POLYURETHANE CAULK SUCH AS SIKAFLEX -15 LM.
M-3	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT, CRACKED/DAMAGED MASONRY UNITS. REMOVE AND REPLACE DAMAGED UNITS PER MASONRY REPAIR NOTES AND REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON NS-002
M-4	LOOSE MORTAR, REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON NS-002



COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	SMF
CHECK:			SMF

WEST ELEVATION

SHT. NO. NS-202	REV. NO.
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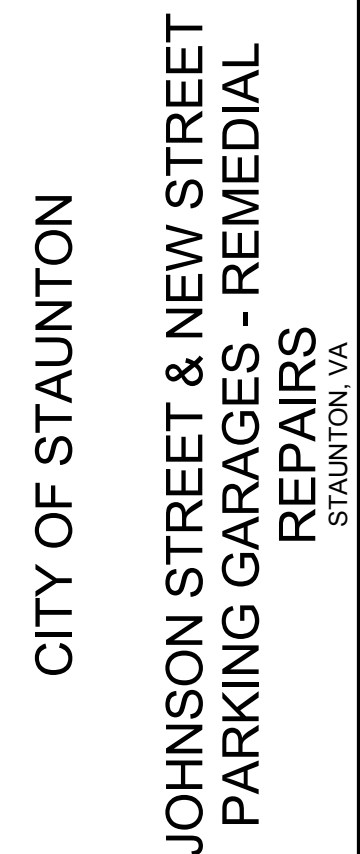


NOTES:

1. BACKGROUND IMAGE PROVIDED BY FRAZIER ASSOCIATES, SHEET A2.1, 05/26/2000.
2. ---- INDICATES CRACK ON INSIDE FACE OF MASONRY WALL.
3. SEE DECORATIVE METAL PAINT NOTES ON SHEET NS-002 FOR ADDITIONAL DETAILS.

ELEVATION BACKGROUND FROM
FRAZIER ASSOCIATES SHEET A2.1
DATED 05/26/2000

KEYNOTE	DESCRIPTION
M-1	STAIRSTEP OR VERTICAL CRACK IN MORTAR JOINT. NO BROKEN MASONRY UNITS. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON NS-002
M-4	LOOSE MORTAR. REPAIR MORTAR JOINT PER MORTAR JOINT REPAIR NOTES ON NS-002

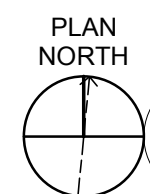
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COMM		217031	
DATE:		03/12/18	
DRAWN:	DSB	DESIGN	DSB
CHECK:		SMF	

SHEET

ENLARGED PARTIAL PLAN
AND SECTION FOR NEW
DRAINS @ 4TH & 5TH
FLOORS

SHT. NO. NS-301	REV. NO.
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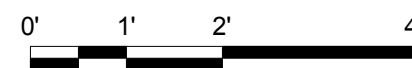


SCALE: 1/2" = 1'-0"



1. USE PACOMETER TO VERIFY THAT PROPOSED LOCATION OF NEW DRAIN DOES NOT INTERFERE WITH PRECAST CONCRETE DOUBLE TEE REINFORCEMENT. ADJUST LOCATION OF DRAIN AS NECESSARY.

- SCALE: 1/2" = 1'-0'



SCALE: 1/2" = 1'-0'