WO 5 RIVERGATE PARKING GARAGE HIGH PRIORITY REPAIRS
TAMPA, FLORIDA

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SITE PLAN

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407.418.2218
Certificate of Authorization No. 3818

Project Name:

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Client :

CITY OF TAMPA

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Project Number :	Drawn By :
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Approved By :	Checked By :
WW	AB

Certification

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE 2017 FLORIDA BUILDING CODE.

Seal and Signature :

E. WEBB WRIGHT LICENSE No. 57639 STATE OF FLORIDA PROFESSIONAL ENGINEER

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Date: 2020.11.19 14:55:22-05'00'

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Professional Engineer No. 57639

Drawing Title :

COVER SHEET

Filename :

Sheet No. :

S0.0

GENERAL NOTES

PART I - DESIGN CRITERIA

A. GENERAL BUILDING CODE

1. THE REPAIR DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2017 (6TH EDITION).

B. BUMPER WALL STRUCTURAL REPAIR

1. THE PURPOSE OF THE BUMPER WALL STRUCTURAL REPAIR IS TO RESTORE THE BUMPER WALL TO ITS PRE-DAMAGED STRUCTURAL CONDITION.

PART II - NON-DESTRUCTIVE EVALUATION

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 III - CONCRETE REPAIRS

A. CONCRETE REPAIR MATERIALS

1. ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS AS SPECIFIED IN SPECIFICATION SECTION "CONCRETE REPAIR MATERIALS."

B. REINFORCING STEEL

2. ALL REINFORCING STEEL SHALL BE ASTM A 615 GRADE 60 UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THESE NOTES.

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.

D. SPLICES AND HOOKS IN REINFORCING STEEL

1. REFER TO DRAWING DETAILS FOR SPLICE AND HOOK REQUIREMENTS OF REINFORCING STEEL BEING SUPPLEMENTED.

PART IV - POST-TENSIONED CONCRETE REPAIRS

A. POST-TENSIONING SYSTEM TYPE

1. POST-TENSIONING REINFORCEMENT SHALL BE **UNBONDED** UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

B. POST-TENSIONING STEEL

1. STRAND: ASTM A 416 LOW RELAXATION TYPE, **1/2-INCH DIAMETER** WITH A MINIMUM ULTIMATE STRENGTH BASED ON NOMINAL AREA OF 270 KSI.

2. PROVIDE CORROSION RESISTANT AND SELF-ENCAPSULATING TENDONS.

C. TENDON FORCES

1. REPAIRED TENDONS SHALL BE STRESSED TO A MAXIMUM JACKING FORCE OF 33 KIPS.

D. TENDON PROFILES, PLACEMENTS, AND ADJUSTMENTS

1. REFER TO ORIGINAL RECORD DRAWINGS FOR PROFILE DIMENSIONS SHOWING THE LOCATION OF CENTER OF GRAVITY OF TENSION STEEL OR TENDON GROUP (CGS), IF MADE AVAILABLE.

E. DRILLING INTO POST-TENSIONED ELEMENTS

1. POST-TENSIONING REINFORCEMENT SHALL NOT BE DAMAGED BY DRILLING INTO A POST-TENSIONED CONCRETE ELEMENT. BEFORE DRILLING INTO A POST-TENSIONED CONCRETE ELEMENT, THE LOCATION OF AND CONCRETE COVER OVER THE POST-TENSIONING REINFORCEMENT SHALL BE DETERMINED USING NON-DESTRUCTIVE TECHNIQUES.

F. PREPARATION FOR POST-TENSIONED CONCRETE REPAIRS

1. INITIAL SURVEY: LOCATE ALL EXISTING POST-TENSIONING TENDONS IN POST-TENSIONED MEMBERS IN THE AREAS TO BE REPAIRED AS INDICATED IN THE DRAWINGS OR AS DETERMINED BY THE ENGINEER. USE RELIABLE NON-DESTRUCTIVE TECHNIQUES, SUCH AS GROUND PENETRATING RADAR (GPR) SCAN SURVEY TO LOCATE THE TENDONS AND MARK THEM ON SITE. USE PERMANENT MARKERS OR SIMILAR (MARKINGS SHALL LAST THROUGHOUT THE ENTIRE CONSTRUCTION).

2. SHORING: DO NOT START DE-TENSIONING (IF REQUIRED) OF POST-TENSIONED MEMBERS UNTIL AFTER POST-TENSIONED MEMBER HAS BEEN SHORED AS DETERMINED BY THE ENGINEER. SHORING REQUIREMENTS ARE DEPENDENT ON NUMBER OF TENDONS BEING REPLACED, AREAS OF SLAB AFFECTED, SIZE AND LOCATION OF SLAB OPENINGS FOR REPAIRS, ETC., AND WILL BE DETERMINED BY ENGINEER ON A CASE BY CASE BASIS. CONTRACTOR SHALL SUBMIT SHORING DRAWINGS. SHORING DRAWINGS SHALL BE SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED.

3. CONCRETE REMOVAL: PERFORM CONCRETE OPENINGS AT IDENTIFIED AREAS WITH TENDON DAMAGE AND AT AREAS WHERE NEW PT STRAND, COUPLERS, AND ANCHORS ARE TO BE INSTALLED. CONTRACTOR SHALL NOT DAMAGE TENDONS AND MILD REINFORCEMENT DURING CONCRETE REMOVAL. CONCRETE SHALL BE REMOVED BY USING LIGHTWEIGHT PNEUMATIC OR ELECTRIC IMPACT BREAKERS, OR BY ELECTRIC HAMMERS WITH AUTO-SHUT-OFF CAPABILITY OF POWER INTERRUPTION WHEN CONTACTING GROUNDED METAL. CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN REMOVING CONCRETE NEAR PT ANCHORAGES TO PREVENT FAILURE OR BLOWOUT OF THE ANCHOR. CONCRETE BEARING AGAINST AN ANCHOR (V-SHAPED REGION IN FRONT OF AN ANCHOR) SHALL NOT BE REMOVED.

PART IV - POST-TENSIONED CONCRETE REPAIRS

4. DE-TENSIONING (IF REQUIRED): PROVIDE PROTECTION AT BOTH ENDS OF PT TENDONS BEING DE-TENSIONED TO GUARD AGAINST POPPING OUT OF END ANCHORAGES. THE RELEASE OF THE TENDON FORCE SHALL BE CONTROLLED AND SLOW AND MAY REQUIRE THE USE OF APPROPRIATE CLAMPING OR TENDON LOCKING HARDWARE. DE-TENSION TENDONS BY HEATING THE STRANDS OR ANCHORS WITH A TORCH. DO NOT DE-TENSION THE STRANDS BY SAW-CUTTING UNLESS APPROVED BY THE ENGINEER. MINIMIZE DAMAGE TO EXISTING SHEATHING AS MUCH AS POSSIBLE.

5. SAFETY: THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT WORKERS AND PUBLIC ACCESS TO AREAS WHERE POST-TENSIONED MEMBERS ARE BEING DE-TENSIONED. CONTRACTOR SHALL REQUEST OWNER TO CLOSE PUBLIC ACCESS TO THOSE AREAS LOCATED ALONG THE FULL LENGTH OF TENDONS BEING DE-TENSIONED AT THE FLOORS ABOVE AND BELOW BEFORE DE-TENSIONING ANY STRAND. THE CONTRACTOR SHALL ENSURE THAT DE-TENSIONING OPERATIONS ARE PERFORMED SAFELY.

G. STRESSING

1. METHODS: PERFORM POST-TENSIONING BY METHODS AND RELATED EQUIPMENT THAT ARE IN CONFORMANCE WITH GENERALLY ACCEPTED SYSTEMS OF POST-TENSIONING. STRESSING OF REPAIRED TENDONS IS TYPICALLY PERFORMED WITH A CENTER-PULL STRESSING COUPLER, OR AT A NEW LIVE PT ANCHOR AS SHOWN IN REPAIR DOCUMENTS. VARIATIONS OF SUCH GENERALLY ACCEPTED METHODS AND EQUIPMENT WILL BE PERMITTED WITH ENGINEER APPROVAL, PROVIDED EQUAL RESULTS CAN BE OBTAINED.

2. CONCRETE REPAIR MATERIAL STRENGTH: DO NOT BEGIN THE POST-TENSIONING OPERATIONS UNTIL TESTS OR READINGS HAVE INDICATED THAT THE CONCRETE REPAIR MATERIAL IN THE MEMBERS HAS ATTAINED A COMPRESSIVE STRENGTH THAT IS ADEQUATE FOR THE REQUIREMENTS OF THE ANCHORAGES BUT NOT LESS THAN **3750 PSI** UNLESS OTHERWISE SPECIFIED ON THE CONTRACT DRAWINGS.

3. EQUIPMENT: STRESS ALL TENDONS BY MEANS OF HYDRAULIC RAMS, EQUIPPED WITH ACCURATE READING HYDRAULIC PRESSURE GAUGES THAT HAVE BEEN INDIVIDUALLY CALIBRATED WITH A PARTICULAR RAM TO PERMIT THE STRESS IN THE PRESTRESSING STEEL TO BE COMPUTED AT ANY TIME. A CERTIFIED CALIBRATION CURVE SHALL ACCOMPANY EACH RAM AND GAUGE SET. IMMEDIATELY RECALIBRATE THE RAM AND GAUGE SET IF INCONSISTENCIES BETWEEN THE MEASURED ELONGATION AND THE GAUGE READING OCCUR.

4. FORCES: ANCHOR THE PRESTRESSING STEEL AT AN INITIAL OR ANCHOR FORCE THAT WILL RESULT IN THE ULTIMATE RETENTION OF THE WORKING OR EFFECTIVE FORCE SHOWN ON THE ORIGINAL DRAWINGS (IF AVAILABLE). JACKING FORCES SHALL BE THOSE INDICATED ON THESE GENERAL NOTES. THE POST-TENSIONING INSTALLER SHALL REPORT TO THE ENGINEER DEVIATIONS GREATER THAN 15% FROM THE VALUES ASSUMED IN THE ELONGATION CALCULATIONS. REQUIRED ADJUSTMENTS TO THE STRESSING OPERATION MAY BE RECOMMENDED BY THE ENGINEER.

5. ELONGATIONS: KEEP RECORDS OF ALL TENDON ELONGATIONS. AGREEMENT WITHIN 15% BETWEEN THE GAUGE READING AND THE MEASURED ELONGATION AND BETWEEN THE MEASURED AND THE CALCULATED ELONGATION AFTER STRESSING WILL BE CONSIDERED SATISFACTORY. DEVIATIONS GREATER THAN 15% WILL BE REPORTED TO THE ENGINEER PRIOR TO COMPLETING STRESSING OPERATION. NO TENSIONING WILL BE PERMITTED UNTIL IT IS DEMONSTRATED THAT THE PRESTRESSING STEEL IS REASONABLY FREE AND UNBONDED IN THE ENCLOSURE. EVIDENCE THAT THE STEEL IS UNBONDED WILL BE CONSIDERED SATISFACTORY IF INWARD MOVEMENT OF STEEL IS OBSERVED AT ONE END OF THE TENDON WHEN A NOMINAL PULL IS APPLIED TO THE STEEL AT THE OTHER END. THE ENGINEER MAY ORDER A FORCE/ELONGATION CHECK AT ANY TIME. DO NOT CUT OFF TENDONS UNTIL ELONGATION RECORDS HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER.

6. SAFETY: PRECAUTIONS SHALL BE TAKEN TO PREVENT WORKERS FROM STANDING DIRECTLY BEHIND, ABOVE OR IN FRONT OF THE STRESSING RAMS. CONTRACTOR SHALL BARRICADE ALL AREAS OF THE STRUCTURE IN THE VICINITY OF TENDONS BEFORE STRESSING ANY STRAND. THE CONTRACTOR SHALL ENSURE THAT STRESSING OPERATIONS ARE PERFORMED SAFELY.

H. GROUTING ANCHORAGE RECESSES

1. CUT THE TENDON TAILS WITHIN 24 HOURS AFTER THE STRESSING RECORDS HAVE BEEN APPROVED. AT SLAB ENDS OR EXPANSION JOINTS, CUT OFF THE EXCESS STRAND AT LEAST 1/2 INCH INSIDE THE FACE OF THE FINISHED CONCRETE SURFACE, AND NOT MORE THAN 3/4 INCH FROM THE FACE OF THE ANCHORAGE. FOR STRESSING ENDS LOCATED AT INTERIOR AREAS, CUT OFF THE EXCESS STRAND AS REQUIRED TO PROVIDE ADEQUATE CONCRETE COVER TO THE STRAND. CUTTING MAY BE DONE BY MEANS OF OXYACETYLENE CUTTING, ABRASIVE WHEEL, OR HYDRAULIC SHEARS. DO NOT ALLOW THE WEDGES TO BECOME HEATED.

2. COVER THE END OF TENDON WITH APPROVED COATING-FILLED ENCAPSULATION CAP, OR OTHER APPROVED METHOD NO MORE THAN 24 HOURS AFTER THE TENDON TAILS HAVE BEEN CUT TO ENSURE CORROSION PROTECTION OF THE EXPOSED TENDON.

3. COAT THE ANCHORAGE RECESSES WITH AN APPROVED BONDING AGENT AND FILL FLUSH WITH A NON-SHRINK, NON-STAIN, CHLORIDE FREE GROUT COMPATIBLE FOR USE WITH PRESTRESSING STEEL OR APPROVED EQUAL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. DO NOT ALLOW CONTAMINATION OF THE ANCHORAGE RECESS SURFACE THAT REDUCES THE BONDING CAPACITY OF THE NON-SHRINK GROUT.

PART V - SUBMITTALS

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. PRODUCT DATA, CERTIFICATES, REPORTS, AND OTHER LITERATURE

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. POST-TENSIONING TENDONS AND HARDWARE.

4. SUBMITTAL REQUIREMENTS:
   a. ALL SHOP DRAWINGS MUST BE REVIEWED AND ELECTRONICALLY STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTAL. CONTRACTOR SHALL PROVIDE THE SUBMITTAL IN ELECTRONIC PORTABLE DOCUMENT FORMAT (PDF) PER THE SPECIFICATIONS.
   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.

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.

PART VI - MISCELLANEOUS

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. 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.

3. OPENINGS THROUGH FLOORS, ROOFS, AND WALLS FOR DUCTS, PIPING, AND/OR CONDUIT SHALL BE COORDINATED BY THE CONTRACTOR. CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF HOLES AND OPENINGS WITH THE MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS AND THE RESPECTIVE SUBCONTRACTORS.

4. REFER TO DRAWINGS OF EXISTING FACILITY (OTHER THAN REPAIR DRAWINGS) FOR COMPLETE INFORMATION INCLUDING: EXPANSION JOINT SYSTEMS, PRESENCE OF POST-TENSIONING, LOCATION AND SIZE OF STRUCTURAL MEMBERS (BEAMS, COLUMNS, WALLS, ETC.), SLAB THICKNESS, AND OTHER INFORMATION RELEVANT TO THE PROJECT, IF MADE AVAILABLE.

5. 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.

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.

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 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.

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.

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.

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.

5. THE CONTRACTOR SHALL PERFORM A SURVEY TO LOCATE ALL EXISTING 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.

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.

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, CONDITION, AND QUANTITIES OF ANY CONSTRUCTION DESIGNATED FOR REMOVAL AND INSTALLATION.

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 VI - MISCELLANEOUS (CONT'D)

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 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.

E. 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.

2. SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

F. THE 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.

G. 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.

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E. Webb Wright, P.E.
Professional Engineer No. 57639

Drawing Title :

GENERAL NOTES

Filename :

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GENERAL NOTES

PART VII - DRAWING INTERPRETATION

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.

B. STRUCTURAL ABBREVIATIONS, SYMBOLS, AND NOTATIONS

CMU	CONCRETE-MASONRY UNIT
CONC	CONCRETE
CSP	CONCRETE SURFACE PROFILE
EXIST	EXISTING
FV	FIELD VERIFY
MAX	MAXIMUM
MIN	MINIMUM
PSI	POUNDS PER SQUARE INCH
PT	POST-TENSIONED
REINF	REINFORCING
T.I.	TASK ITEM
TYP	TYPICAL

TASK ITEM

TASK ITEMS TABLE

TASK ITEMS LIST	
TASK ITEM NO.	DESCRIPTION
2.3	PARTIAL DEPTH CONCRETE FLOOR REPAIR
3.1	OVERHEAD SLAB REPAIR
3.6	POST-TENSIONED BEAM REPAIR
4.1	CONCRETE WALL REPAIR
4.2	BUMPER WALL REPLACEMENT
5.1	COLUMN REPAIR
8.2	CMU REPLACEMENT
11.1	REPAIR PT TENDON SHEATHING
11.2	REPAIR BROKEN P/T TENDONS
11.3	RE-GROUT PT TENDON POCKETS

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Seal and Signature :

E. Webb Wright, P.E.
Professional Engineer No. 57639

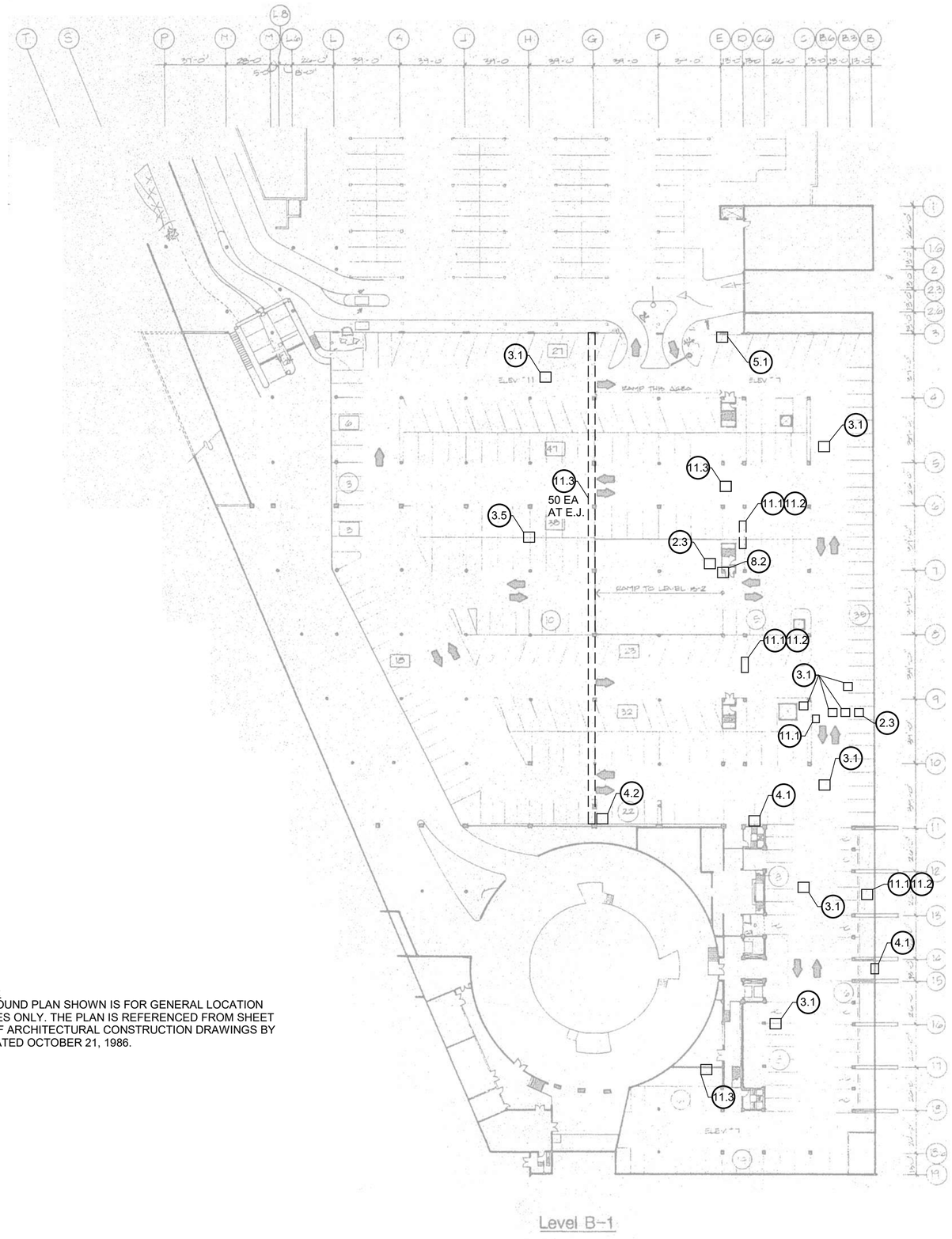
Drawing Title :

GENERAL NOTES

Filename :

Sheet No. :

S0.2



PLAN NOTES:
1. BACKGROUND PLAN SHOWN IS FOR GENERAL LOCATION PURPOSES ONLY. THE PLAN IS REFERENCED FROM SHEET A2.11A OF ARCHITECTURAL CONSTRUCTION DRAWINGS BY NCNB, DATED OCTOBER 21, 1986.

N

1 PLAN - LEVEL B1

NO SCALE

TASK ITEMS LIST	
TASK ITEM NO.	DESCRIPTION
2.3	PARTIAL DEPTH CONCRETE FLOOR REPAIR
3.1	OVERHEAD SLAB REPAIR
3.6	POST-TENSIONED BEAM REPAIR
4.1	CONCRETE WALL REPAIR
4.2	BUMPER WALL REPLACEMENT
5.1	COLUMN REPAIR
8.2	CMU REPLACEMENT
11.1	REPAIR PT TENDON SHEATHING
11.2	REPAIR BROKEN P/T TENDONS
11.3	RE-GROUT PT TENDON POCKETS

walter p moore

Walter P Moore and Associates, Inc.
300 South Orange, Suite 1200
Orlando, FL 32801

407.418.2218
Certificate of Authorization No. 3818

Project Name:

WO 5 RIVERGATE PARKING GARAGE HIGH PRIORITY REPAIRS

Client :

CITY OF TAMPA

Issues/Revisions :

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D07.19060.02	MT
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WW	AB

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PLAN - LEVEL B1

Filename :

Sheet No. :

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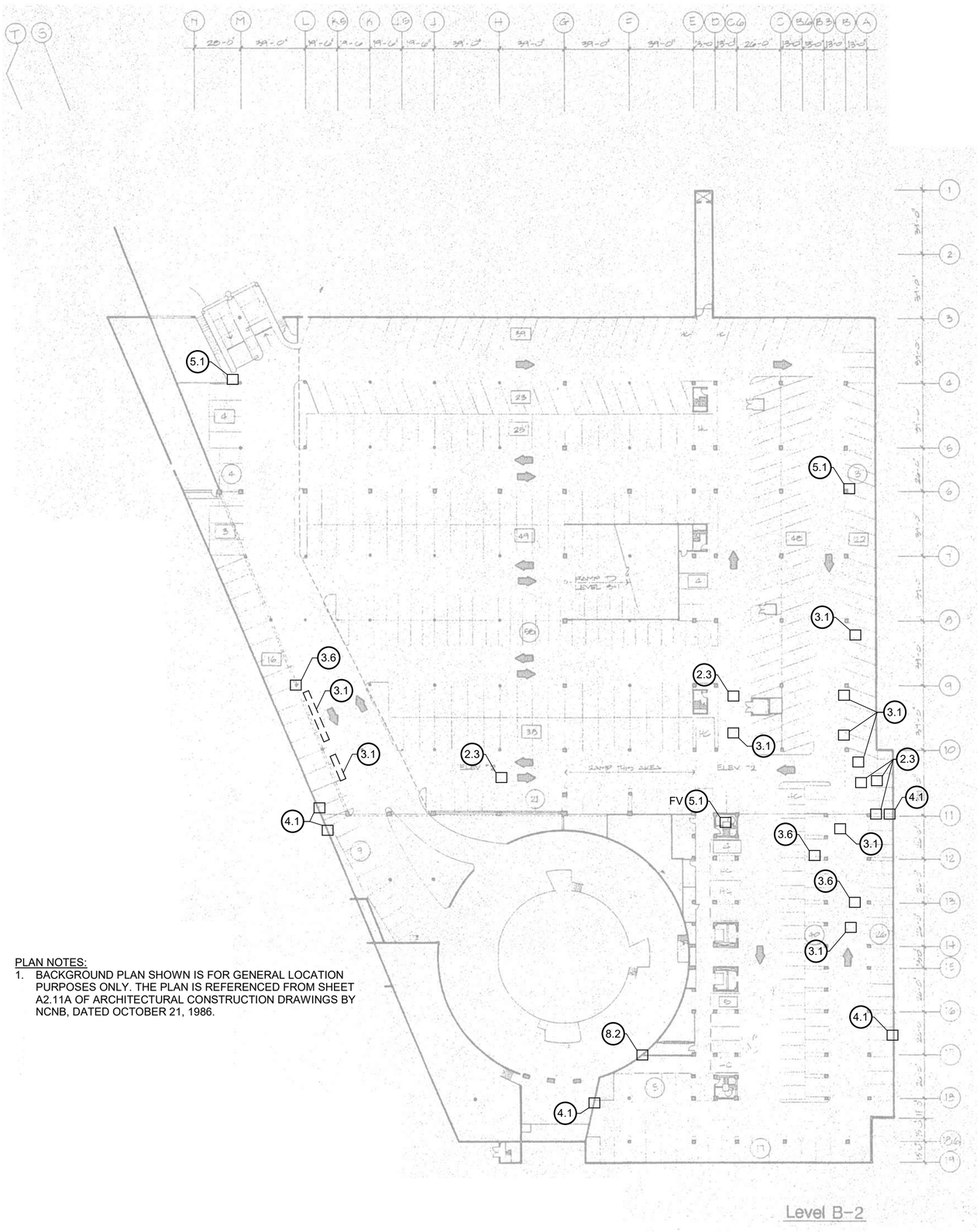

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N

1 PLAN - LEVEL B2

NO SCALE

TASK ITEMS LIST	
TASK ITEM NO.	DESCRIPTION
2.3	PARTIAL DEPTH CONCRETE FLOOR REPAIR
3.1	OVERHEAD SLAB REPAIR
3.6	POST-TENSIONED BEAM REPAIR
4.1	CONCRETE WALL REPAIR
4.2	BUMPER WALL REPLACEMENT
5.1	COLUMN REPAIR
8.2	CMU REPLACEMENT
11.1	REPAIR PT TENDON SHEATHING
11.2	REPAIR BROKEN P/T TENDONS
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Sheet No. :

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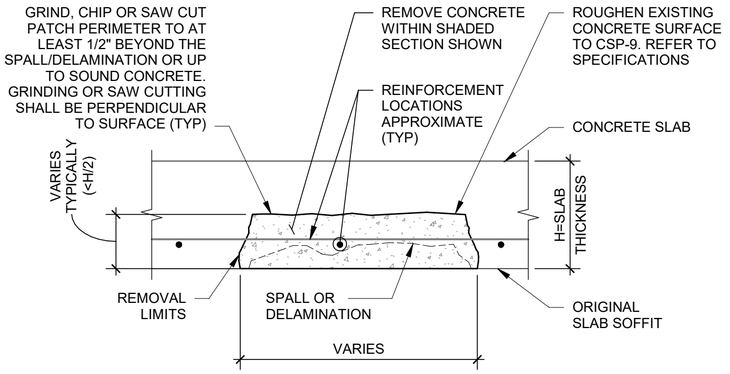


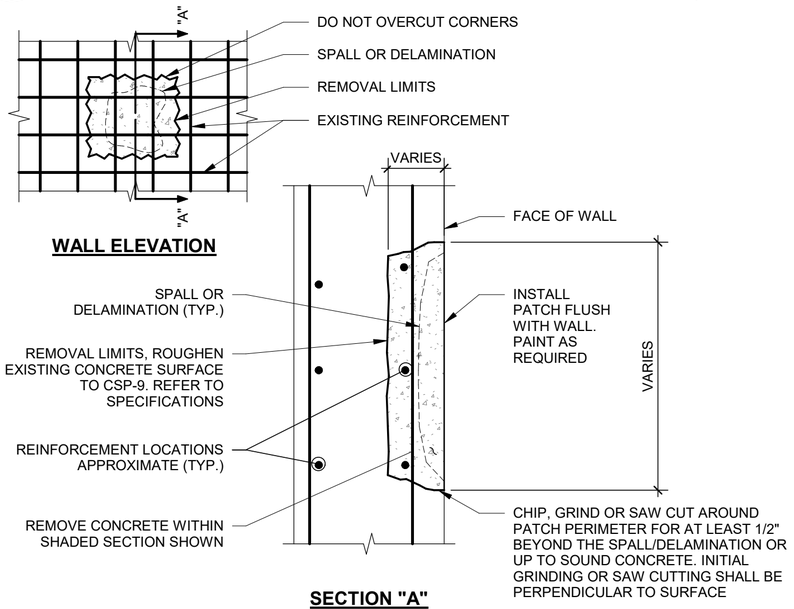
CAUTION:
1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK.

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. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
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 TYPICAL - SLAB REPAIR OVERHEAD - PARTIAL DEPTH POST-TENSIONED SLABS

NO SCALE

(TASK ITEM 3.1)



NOTES:
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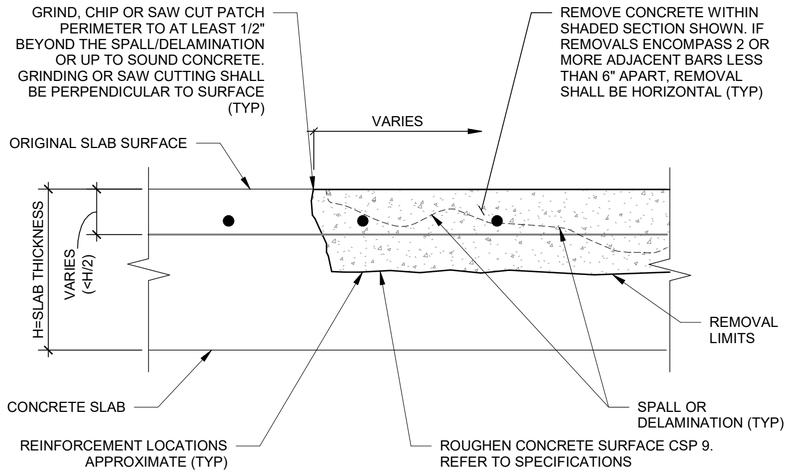
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
4. WHERE 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.

4 TYPICAL - CONCRETE WALL REPAIR

NO SCALE

(TASK ITEM 4.1)



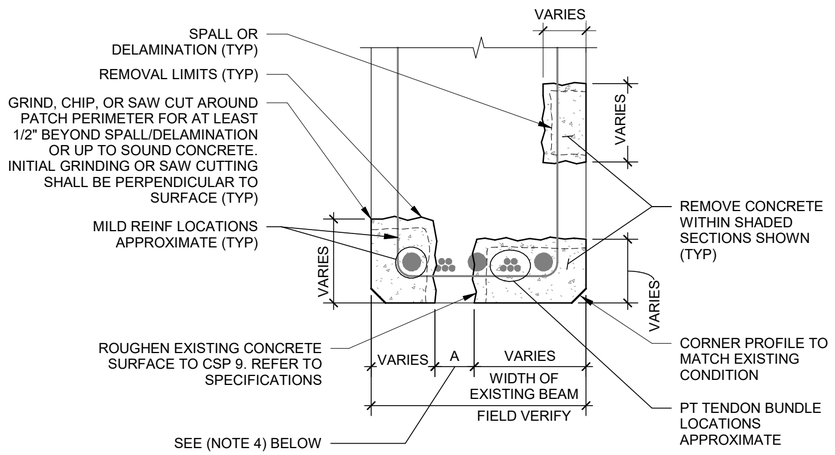
CAUTION:
1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK.

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. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
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.

1 TYPICAL - CONCRETE FLOOR REPAIR - PARTIAL DEPTH POST-TENSIONED SLABS

NO SCALE

(TASK ITEM 2.3)



NOTES:
1. PROTECT EXISTING PT TENDONS AND MILD REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR. USE NON-DESTRUCTIVE TECHNIQUES TO VERIFY LOCATION OF POST-TENSIONING TENDONS. DO NOT CUT OR DAMAGE TENDONS.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. REPAIR DAMAGED TENDON SHEATHING IN ACCORDANCE WITH TASK ITEM 11.1. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED MILD REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
4. WHERE DIMENSION "A" SHOWN IN DETAIL IS 4" OR LESS, THEN REPAIR ENTIRE WIDTH OF BEAM. WHERE MILD 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 ASSESSMENT REGARDLESS OF THE SEVERITY OF CORROSION. ENGINEER WILL PROVIDE A REPAIR PROCEDURE FOR CORRODED OR BROKEN PT TENDONS.
5. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.

3 TYPICAL - POST-TENSIONED BEAM REPAIR

NO SCALE

(TASK ITEM 3.6)

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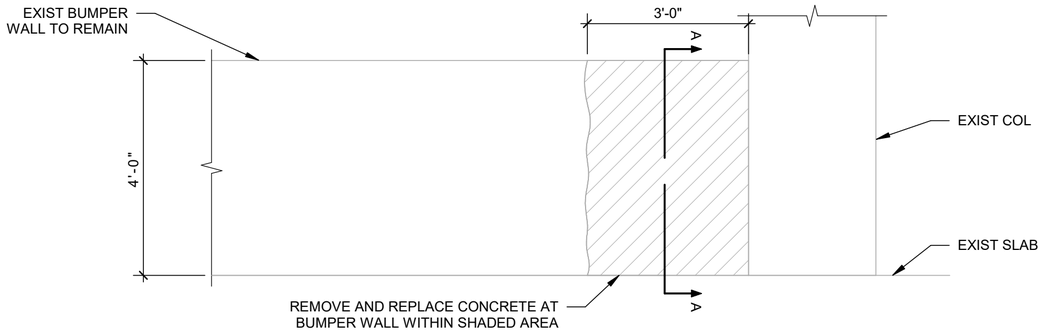


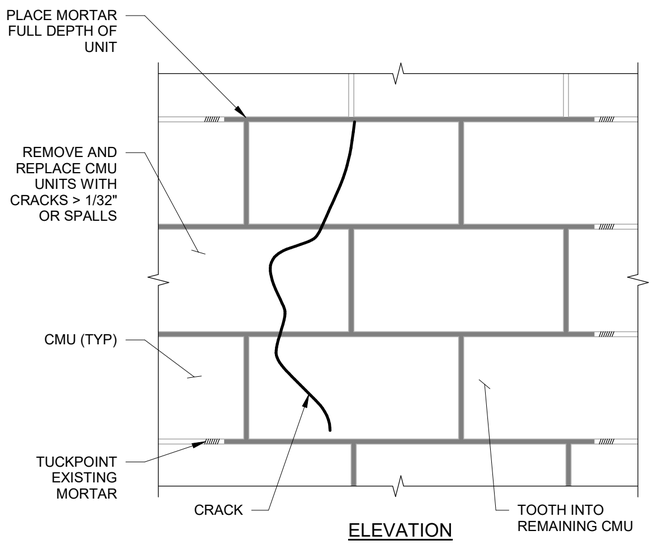
PHOTO OF EXISTING CONDITION

NOTES:
1. EXISTING REINFORCEMENT SHALL BE OBSERVED BY ENGINEER PRIOR TO REPAIR. SUPPLEMENTAL REINFORCEMENT MAY BE REQUIRED. CONTRACTOR SHALL PROVIDE ENGINEER MINIMUM 3 DAYS ADVANCE NOTICE FOR VISIT TO OBSERVE EXISTING REINFORCEMENT FOLLOWING CONCRETE REMOVAL.
2. INITIAL GRINDING OR SAWCUTTING OF EXISTING CONCRETE SHALL BE PERPENDICULAR TO SURFACE. ROUGHEN EXISTING CONCRETE SURFACE TO CSP-9.
3. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING, OR SAWCUTTING.
4. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" SPECIFICATIONS FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
5. NEW CONCRETE SURFACES SHALL MATCH EXISTING FINISH.

2 BUMPER WALL REPLACEMENT

NO SCALE

(TASK ITEM 4.2)

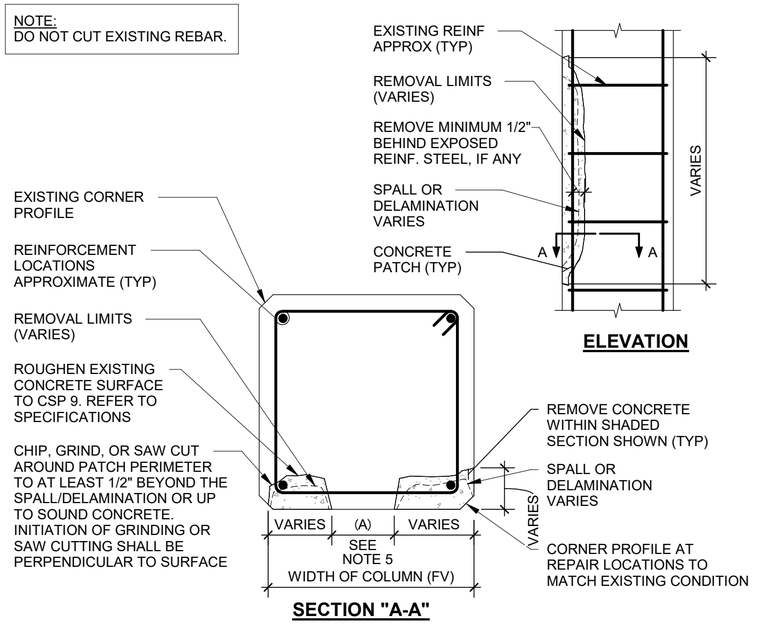


NOTES:
1. REPLACEMENT MORTAR SHALL BE TYPE "N".
2. FLUSH DEBRIS FROM CMU REMOVAL AREA WITH AIR.
3. DAMPEN JOINTS PRIOR TO PLACING PRE-HYDRATED POINTING MORTAR.
4. TOOL JOINT TO ORIGINAL PROFILE WHEN "THUMBPRINT" HARD.
5. PAINT REPLACED CMU TO MATCH WALL COLOR.

4 TYPICAL - CMU REPLACEMENT

NO SCALE

(TASK ITEM 8.2)



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. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT.
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. WHERE DIMENSION "A" SHOWN IN DETAIL IS 4" OR LESS, THEN REPAIR ENTIRE WIDTH OF COLUMN.

3 TYPICAL - COLUMN REPAIR

NO SCALE

(TASK ITEM 5.1)

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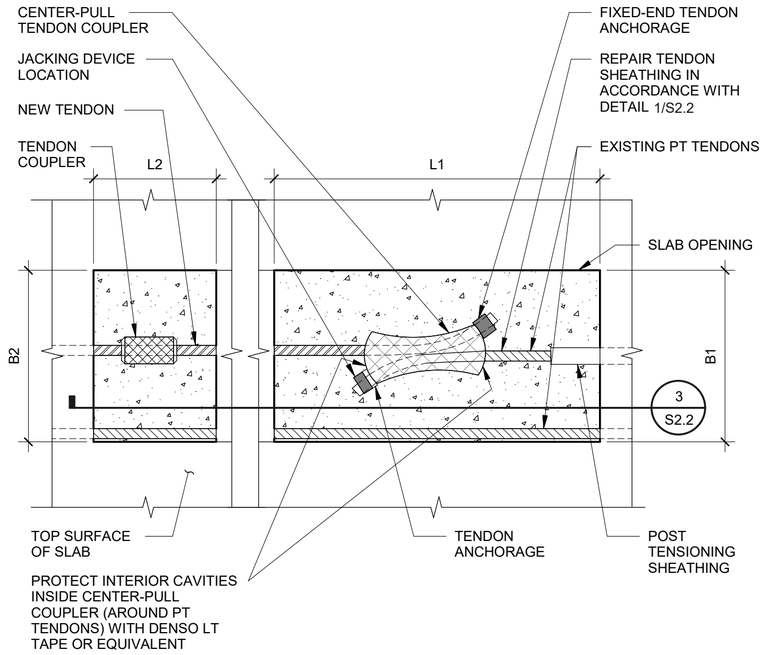
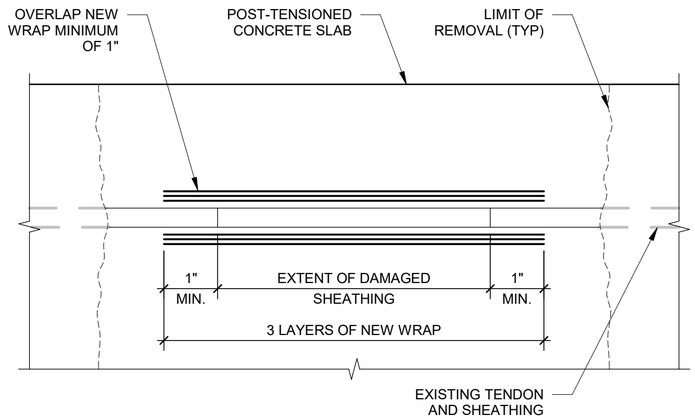


NOTES:
1. DIMENSIONS B1, L1, B2, L2 SHALL BE AS NEEDED TO ALLOW FOR INSTALLATION OF NEW COUPLERS AND STRESSING RAM, AND FOR EXPECTED MOVEMENT OF COUPLER DURING STRESSING OPERATIONS.
2. SEE DETAIL 3/S2.2 FOR ADDITIONAL INFORMATION.

2 TYPICAL - CENTER-PULL TENDON COUPLER TO SPLICE POST-TENSIONING STRANDS

NO SCALE

(TASK ITEM 11.2)



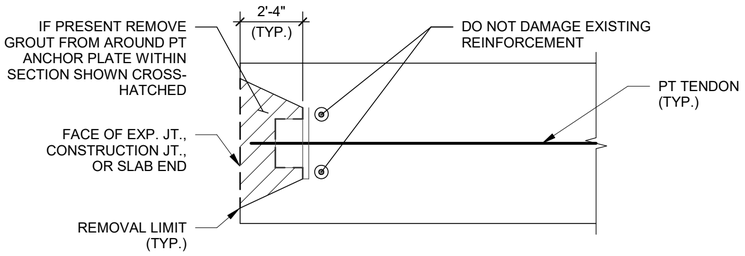
PLAN VIEW

NOTES:
1. REMOVE CONCRETE TO EXPOSE UNDAMAGED SHEATHING.
2. REMOVE DAMAGED SHEATHING AND CLEAN TENDON TO GRAY STEEL.
3. APPLY NON CORROSIVE GREASE TO EXPOSED TENDON.
4. COVER EXPOSED TENDON WITH PLASTIC SHEATHING. PROVIDE OVERLAP AS SHOWN.
5. COVER SHEATHING SPLICE WITH WATERPROOF TAPE AND SEAL ENDS TO EXISTING SHEATHING.
6. SEE SPECIFICATION FOR APPROVED MATERIALS.
7. THIS WORK IS INCLUDED IN REPAIRS OF ALL POST-TENSIONED CONCRETE MEMBERS.
8. PLACE SPECIFIED REPAIR MATERIAL OVER EXPOSED TENDON TO PROVIDE A MINIMUM COVER OF 1".

1 TYPICAL - SHEATHING REPAIR OF PT TENDONS

NO SCALE

(TASK ITEM 11.1)

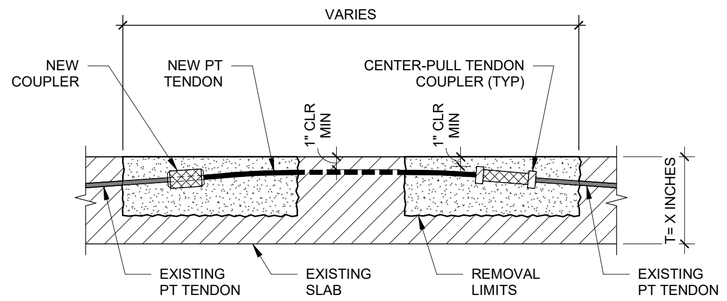


NOTES:
1. USE EXTREME CAUTION REMOVING CONCRETE AROUND TENDON ANCHOR. MAX 15LB CHIPPING HAMMERS SHALL BE USED IN REMOVING CONCRETE. MULTIPLE/BUNDLED TENDONS WILL REQUIRE LARGER CONCRETE REMOVAL.
2. CLEAN AND COAT PT ANCHOR. USE AN EPOXY-MODIFIED CEMENTITIOUS COATING. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING "OF SPECIFICATIONS FOR APPROVED COATING.
3. INSTALL A NEW GREASE FILLED PLASTIC CAP ON STRAND END.
4. CONCRETE REMOVAL AND PATCHING SHALL MEET THE REQUIREMENTS OF PROJECT SPECIFICATIONS. REFER TO SPECIFICATIONS FOR APPROVED MATERIALS.

4 TYPICAL - RE-GROUT PT TENDON POCKETS

NO SCALE

(TASK ITEM 11.3)



NOTES:
1. DETENSION ANY TENDONS DESIGNATED FOR REPAIR.
2. REMOVE CONCRETE WITHIN SECTIONS SHOWN SHADED. CONCRETE REMOVAL SHALL BE LIMITED TO CREATE ACCESS FOR INSTALLATION OF PT COUPLERS WITHOUT DISRUPTING ANY EXISTING PT TENDONS. FULL-DEPTH REMOVAL MAY BE REQUIRED.
3. REPLACE BROKEN TENDON SEGMENT WITH NEW PT TENDON AND ATTACH IT TO EXISTING PT TENDON WITH NEW COUPLERS. CLEAN EXISTING SHEATHING BEFORE INSERTING NEW STRAND IN TO EXISTING SHEATHING.
4. ACTUAL LENGTH OF SPLICE AND TYPE OF PT HARDWARE TO BE DETERMINED BY THE SPECIALTY CONTRACTOR BASED ON FIELD CONDITIONS.
5. CONCRETE REMOVAL AND PATCHING SHALL MEET REQUIREMENTS OF PROJECT SPECIFICATIONS ("SURFACE PREPARATION FOR PATCHING" AND "CONCRETE REPAIR MATERIALS"). REFER TO SPECIFICATIONS FOR APPROVED REPAIR MATERIALS. STRICTLY FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR PRODUCT INSTALLATION.
6. STRESS PT TENDONS TO THE PRESTRESS FORCE SPECIFIED IN THE GENERAL NOTES.
7. REPAIR TENDON SHEATHING IN ACCORDANCE WITH DETAIL 1/S2.2
8. REFER TO SPECIFICATIONS FOR POST-TENSION TENDON AND COUPLER REQUIREMENTS.
9. PT TENDON REPAIR OPERATIONS SHALL BE PERFORMED ONLY BY A QUALIFIED PT RESTORATION CONTRACTOR.

3 PT TENDON REPAIR-CENTER-PULL TENDON COUPLER

NO SCALE

(TASK ITEM 11.2)

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