



City of Tampa

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ADDENDUM 2

Via E-Mail

DATE: June 10, 2021

Contract 21-C-00036 Parking Garages Improvements – Ft. Brooke, Rivergate and Tampa Police Department

Bidders on the above referenced project are hereby notified that the following addendum is made to the Contract Documents. BIDS TO BE SUBMITTED SHALL CONFORM TO THIS NOTICE.

Item 1: Add the attached plans for the Centro Ybor and the Pam Iorio Parking Garages.

All other provisions of the Contract Documents and Specifications not in conflict with this Addendum shall remain in full force and effect. Questions are to be e-mailed to ContractAdministration@tampagov.net.

Jim Greiner

Jim Greiner, P.E., Contract Management Supervisor

WO 1 CENTRO YBOR PARKING GARAGE HIGH PRIORITY REPAIRS TAMPA, FLORIDA



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

**walter
p moore**

407.418.2218
Certificate of Authorization No. 3818

Project Name:

**WO 1 CENTRO YBOR
PARKING GARAGE
HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

PERMIT SET

No.	Date	Description
	04/03/20	ISSUED FOR OWNER REVIEW
	08/07/20	PERMIT SET
1	1/18/21	Revision 1

Project Number :
D07.19060.03

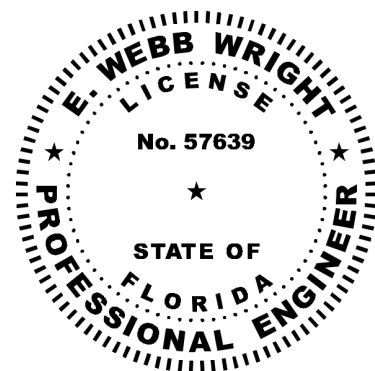
Drawn By :
MP

Approved By :
WW

Checked By :
YAM

Certification
TO THE BEST OF THE ENGINEER'S KNOWLEDGE,
THE PLANS AND SPECIFICATIONS COMPLY WITH
THE 2020 FLORIDA BUILDING CODE.

Seal and Signature :



E. WEBB WRIGHT, P.E.
Professional Engineer No. 57639

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Drawing Title :

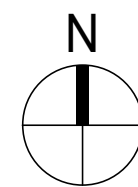
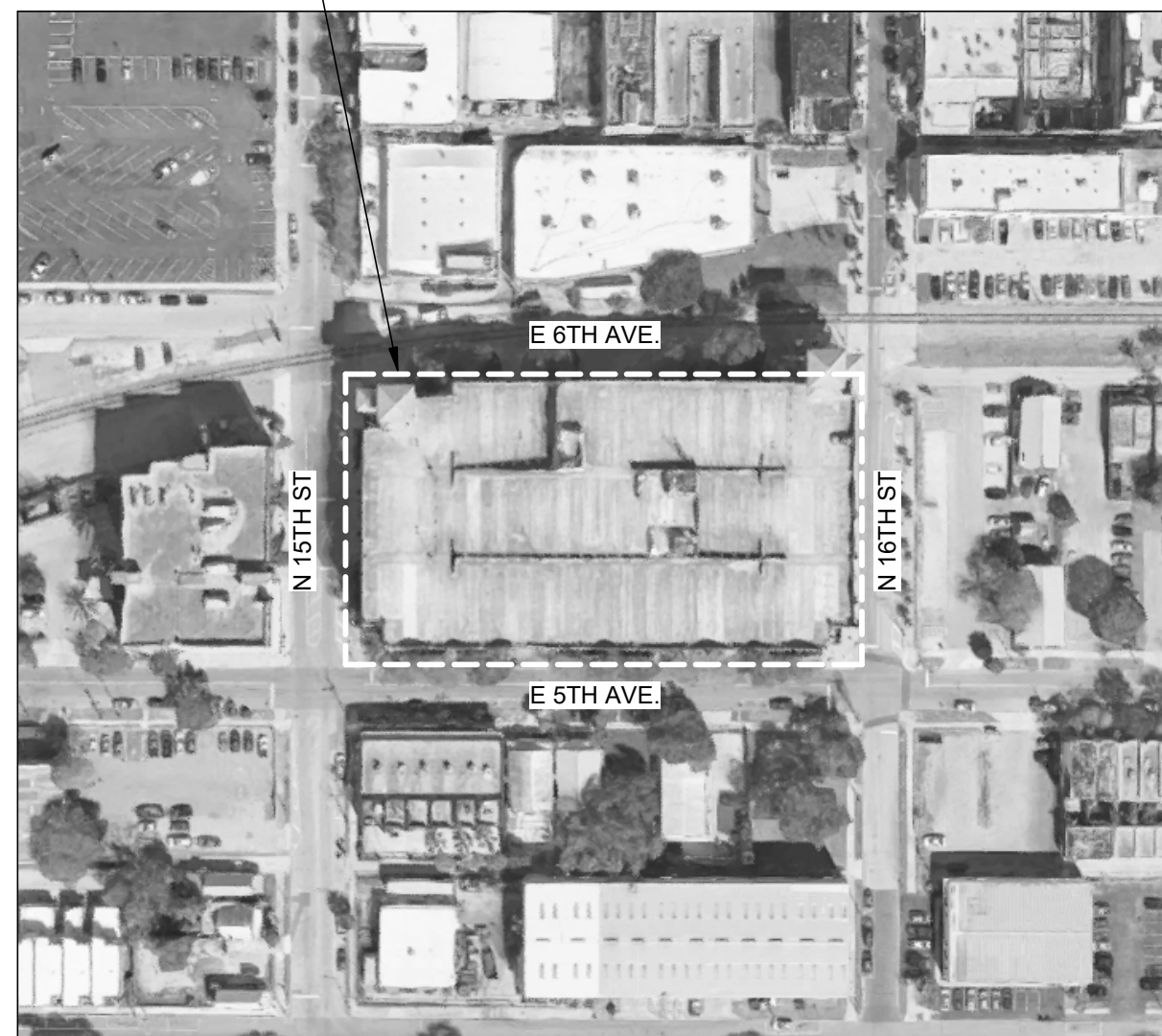
COVER SHEET

Filename :

Sheet No. :

S0.0

PROJECT LOCATION



SITE PLAN



SHEET LIST	
SHEET NUMBER	SHEET NAME
S0.0	COVER SHEET
S0.1	GENERAL NOTES
S0.2	THRESHOLD INSPECTION PLAN
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S1.6P	LEVEL 6P PLAN
S2.0	EAST ELEVATION
S2.1	SOUTH ELEVATION
S2.2	WEST ELEVATION
S3.0	DETAILS
S3.1	DETAILS
S3.2	DETAILS
S3.3	DETAILS

\\ORL-SERVER\Projects\Projects\2019\19060-03 COT Centro Ybor High Priority WO1 - Rvt17.rvt

GENERAL STRUCTURAL NOTES



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



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PART I - DESIGN CRITERIA

A. GENERAL BUILDING CODE

- THE REPAIR DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, SIXTH EDITION (2017).

PART II - NON-DESTRUCTIVE EVALUATION

A. ITEMS EMBEDDED IN CONCRETE STRUCTURES

- 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.
- 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.
- CONTRACTOR SHALL NOT START FABRICATION OF NEW MEMBERS UNTIL ITEMS EMBEDDED IN CONCRETE HAVE BEEN LOCATED. CONTACT ENGINEER IF EXISTING EMBEDDED ITEMS INTERFERE WITH LOCATION OF POST-INSTALLED ANCHORS SPECIFIED IN DRAWINGS.
- ENGINEER MAY REQUIRE A PARTICULAR NON-DESTRUCTIVE EVALUATION METHOD FOR THE LOCATION OF EMBEDDED ITEMS.

PART III - CONCRETE REPAIRS

A. CONCRETE REPAIR MATERIALS

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

B. REINFORCING STEEL

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

C. REINFORCING STEEL COVERAGE

- 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.

PART IV - SHORING

A. GENERAL

- SHORING DESIGN IN THESE DRAWINGS IS AN INTERIM, TEMPORARY MEASURE TO PROVIDE SUPPLEMENTAL GRAVITY SUPPORT TO THE AREA AFFECTED BY CORBEL REPAIRS (TASK ITEM 5.2).
- THESE DRAWINGS INDICATE SHORING PERFORMANCE REQUIREMENTS AND LOCATION OF SHORING FOR CORBEL REPAIRS (TASK ITEM 5.2). THE DETAILS SHOWN IN THE DRAWINGS ARE CONCEPTUAL IN NATURE TO INDICATE THE INTENDED MEANS OF SUPPORTING THE INDICATED MEMBERS BY THE SHORES. THE FINAL DESIGN OF THE SHORING TO MEET THESE REQUIREMENTS SHALL BE RESPONSIBILITY OF THE SHORING CONTRACTOR AND SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
- THE SHORING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS OF THE SHORING TO THE ENGINEER FOR REVIEW BEFORE EXECUTING THE INSTALLATION. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING ELEMENTS:
 - SHORING POSTS, TOWERS, BEAMS, AND/OR FRAMES.
 - DETAILS OF ATTACHMENT OF SHORING POSTS TO SUPPORTING STRUCTURAL MEMBERS.
 - DETAILS OF SHORING POST BASE PLATES.

B. DESIGN CRITERIA

- SHORING SHALL BE DESIGN FOR A TOTAL SERVICE (UNFACTORED) LOAD OF **18,600 LBS** PER LOCATION. PROVIDE A MINIMUM SAFETY FACTOR OF 2.0 FOR SHORING DESIGN. REFER TO DRAWINGS FOR REQUIRED RATED CAPACITIES OF INDIVIDUAL SHORING ELEMENTS.
- THE REQUIRED RATED CAPACITY OF THE SHORING INDICATED IN THE DRAWINGS SHALL CONSIDER THE HEIGHT OF THE SHORING UNDER THE DOUBLE TEE MEMBERS OR BEAMS BEING SHORED WHEN THE SHORES ARE EXTENDED IN PLACE.
- CONSTRUCTION LOADS (EQUIPMENT, MATERIALS, AND WORKERS) ON THE WORK AREA SHALL NOT EXCEED 20 PSF.
- THE AREA BEING SHORED SHALL NOT BE OPEN TO VEHICLES AND THE PUBLIC DURING CONSTRUCTION ACTIVITIES.

C. INSTALLATION OF SHORING

- PRIOR TO CORBEL REPAIR, TEMPORARILY CLOSE THE PARKING STALLS ON DOUBLE TEES TO SUPPORT SHORING AND OVER THE DOUBLE TEE TO BE SUPPORTED THAT BEARS ON THE CORBEL TO BE REPAIRED.
- PROVIDE TEMPORARY SHORING AT DOUBLE TEE STEM THAT BEARS ON CORBEL.
- SHORING SHALL HAVE AN ALLOWABLE (SERVICE) LOAD RATING OF 18,600 POUNDS WHEN INSTALLED AND SHALL BE VERTICALLY ALIGNED AND SUPPORTED BY THE DOUBLE TEE STEMS OF THE TWO LEVELS IMMEDIATELY BELOW THE DOUBLE TEE WHERE THE CORBEL REPAIR IS TO TAKE PLACE.
- THE SPECIFIED SHORING CAPACITY INCLUDES AN ALLOWANCE OF 20 POUNDS PER SQUARE FOOT (PSF) FOR CONSTRUCTION LIVE LOAD WHICH MAY BE USED BY THE CONTRACTOR FOR WORK BEING PERFORMED ON ONLY ONE LEVEL AT A TIME WITHIN THE TEMPORARY CLOSURE AREA.
- CONTRACTOR SHALL ASSURE THAT CONSTRUCTION LOADS WITHIN THE TEMPORARY CLOSURE AREAS DO NOT EXCEED 20 PSF WHILE SHORING IS IN PLACE.
- SHORING SHALL BE PUT IN PLACE PRIOR TO PERFORMING THE REPAIRS INDICATED IN THE DRAWINGS.
- SHORING SHALL REMAIN IN PLACE DURING REPAIRS AND SHALL NOT BE REMOVED UNTIL ALL REPAIRS HAVE BEEN COMPLETED.
- SHORES SHALL BE INSTALLED SNUG TIGHT ONLY AGAINST THE DOUBLE TEE MEMBER BEING SHORED. DO NOT RELIEVE LOAD FROM THE EXISTING STRUCTURE.

PART IV - SHORING (CONT'D)

- ALL SHORE POSTS MUST BE INSTALLED VERTICALLY PLUMB. PROVIDE BRACING BETWEEN ADJACENT SHORE POSTS AS REQUIRED FOR STABILITY. INSTALL SHORE POST BRACING PER MANUFACTURER'S SPECIFICATIONS.
- SHORE POSTS SHALL BE LOCATED UNDER THE MEMBERS SHOWN IN THE DRAWINGS AND POSITIONED SO THAT THE LOAD IS TRANSFERRED DIRECTLY TO THE SUPPORTING STRUCTURAL MEMBERS INDICATED IN THE DRAWINGS. CONTACT ENGINEER IF A SHORE POST CANNOT BE PROVIDED AT A LOCATION INDICATED IN THE DRAWINGS.
- SHORING POSTS SHALL BE PROVIDED WITH BASE PLATES SO THAT THE LOAD IS UNIFORMLY DISTRIBUTED OVER AN AREA OF 4.0 SQUARE FOOT SECTION OF THE SLAB-ON-GRADE.
- PROVIDE APPROPRIATE ANCHORAGE AT THE TOP AND BOTTOM OF SHORING ELEMENTS TO PREVENT OVERTURNING OR TIPPING OVER OF SHORE POSTS.
- SHORED AREAS SHALL BE COMPLETELY BARRICADED TO PROTECT SHORE POSTS FROM VEHICULAR TRAFFIC.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXPOSED STRUCTURAL FINISHED SURFACES (FLOOR, OVERHEAD SLAB, BEAMS, COLUMNS, WALLS, ETC.) DURING INSTALLATION OF SHORING.
- SHORING LAYOUT SHALL MEET SAFETY AND OPERATION REQUIREMENTS OF THE OWNER.
- SHORING POSTS DETAILS SHOWN IN DRAWINGS ARE CONCEPTUAL ONLY. ACTUAL SHORING MEMBERS AND CONNECTIONS MAY VARY DEPENDING ON THE SHORING MANUFACTURER'S PROPRIETARY SYSTEM AVAILABLE.
- SHORING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

PART V - SUBMITTALS

A. SUBMITTAL LIST AND SCHEDULE

- THE CONTRACTOR SHALL PREPARE A DETAILED LIST AND SCHEDULE OF ALL SUBMITTAL ITEMS TO BE SUBMITTED 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:
 - PRODUCT DATA, CERTIFICATES, REPORTS, AND OTHER LITERATURE
- SUBMITTALS TO BE PROVIDED TO ENGINEER
 - PRODUCT SUBMITTALS: IN ADDITION TO THE SUBMITTALS REQUIRED BY THE PROJECT SPECIFICATIONS, THE FOLLOWING SUBMITTALS SHALL BE PROVIDED:
 - CONCRETE REPAIR MATERIALS.
 - EPOXY RESIN FOR CRACK INJECTION.
 - STEEL COATINGS
 - SEALANTS FOR CRACK REPAIR
 - SHORING
 - SUBMITTAL REQUIREMENTS:
 - ALL SUBMITTALS 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.
 - THE OMISSION FROM THE SUBMITTALS 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 SUBMITTALS HAVE BEEN REVIEWED AND APPROVED.

C. REPRODUCTION

- 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

- 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
- CONTRACTOR SHALL FULLY AND PROPERLY IMPLEMENT THE ENGINEERING CONTROLS, WORK PRACTICES, AND RESPIRATORY PROTECTION AGAINST TOXIC AND HAZARDOUS SUBSTANCES INCLUDING RESPIRABLE CRYSTALLINE SILICA ACCORDING TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, OSHA 1926.1153. WALTER P MOORE DOES NOT HAVE CONTROL OVER, CHARGE OF, OR RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, NOR SHALL WALTER P MOORE BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- 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.

PART VI - MISCELLANEOUS (CONTINUED)

- REFER TO DRAWINGS OF EXISTING FACILITY (OTHER THAN REPAIR DRAWINGS) FOR COMPLETE INFORMATION INCLUDING: EXPANSION JOINT SYSTEMS, PREVIOUS REPAIRS PERFORMED IN THE FACILITY, PRESENCE OF POST-TENSIONING, LOCATION AND SIZE OF STRUCTURAL MEMBERS (BEAMS, COLUMNS, WALLS, ETC.), SLAB THICKNESS, AND OTHER INFORMATION RELEVANT TO THE PROJECT.
- WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMNS LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
- 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.
- CONFLICTS IN STRUCTURAL REQUIREMENTS
 - 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

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS OF THE EXISTING BUILDING FOR AT THE JOB SITE AND REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS SHOWN ON THE DRAWINGS TO <THE ARCHITECT AND> ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS. EXISTING DIMENSIONS SHOWN ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE USED FOR FINAL CONSTRUCTION OR DETAILING.
- 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.
- 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.
- THE CONTRACTOR SHALL PERFORM A SURVEY TO LOCATE ALL EXISTING UTILITIES (INCLUDING UNDERGROUND 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 SYSTEM SERVICES IN 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.
- 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.
- THE CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION CONDITION SURVEY TO DOCUMENT SITE CONDITIONS PRIOR TO START OF WORK. SUBMIT SURVEY TO OWNER AND THE ENGINEER. DOCUMENT LOCATION AND CONDITION OF ANY CONSTRUCTION DESIGNATED FOR REMOVAL AND RE-INSTALLATION.
- THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE OWNER.
- RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION
 - REPAIRS OF STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL REPAIRED STRUCTURE ONLY. THE ABILITY OF THE STRUCTURAL FRAME TO RESIST THE REQUIRED CODE FORCES DERIVES FROM THE COMPLETE INSTALLATION OF THE REPAIRS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE REPAIR WORK IS COMPLETELY INSTALLED AND ALL DESIGNATED CONCRETE ELEMENTS (IF ANY) HAVE REACHED A MINIMUM OF 75% OF THEIR DESIGN STRENGTH.

E. CONTRACTOR SUBSTITUTIONS

- 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 COST SAVINGS TO THE OWNER IS DOCUMENTED AND SUBMITTED WITH THE REQUEST.
 - THE MATERIAL OR PRODUCT HAS BEEN APPROVED BY THE INTERNATIONAL CODE COUNCIL (ICC) AND THE ICC REPORT IS SUBMITTED WITH THE REQUEST.
 - THE ICC ESR THAT IS SUBMITTED MUST REFERENCE THE BUILDING CODE UNDER WHICH THE PROJECT IS PERMITTED.
 - ICC REPORTS THAT HAVE BEEN DISCONTINUED AT THE TIME OF PRODUCT INSTALLATION WILL NOT BE ACCEPTED.
- SUBMITTALS NOT SATISFYING THE ABOVE CRITERIA WILL NOT BE CONSIDERED.

F. THE ENGINEER'S ROLE DURING CONSTRUCTION

- 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.
- 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

- ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXTEND LIFESPAN AND TO ENSURE STRUCTURAL INTEGRITY AND 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.

PART VII - DRAWING INTERPRETATION

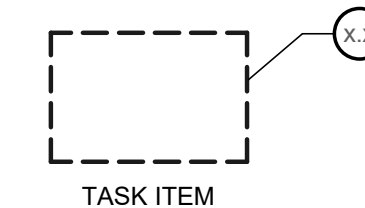
A. DRAWING VIEWS LABELED AS "TYPICAL"

- 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 KEYPED IN AT EACH LOCATION. DECISIONS REGARDING APPLICABILITY OF THESE "TYPICAL" VIEWS SHALL BE DETERMINED BY THE STRUCTURAL ENGINEER.

B. STRUCTURAL ABBREVIATIONS, SYMBOLS, AND NOTATIONS

APPROX CONC	APPROXIMATE CONCRETE
CSP	CONCRETE SURFACE PROFILE
EXIST	EXISTING
FV	FIELD VERIFY
MAX	MAXIMUM
MIN	MINIMUM
REINF	REINFORCING
T.I.	TASK ITEM
TY	TYPICAL

TASK ITEM	DESCRIPTION
2.1	CONCRETE TOPPING REPAIR
3.3	TEE FLANGE REPAIR
3.5	CONCRETE BEAM REPAIR
4.1	CONCRETE WALL REPAIR
4.2	BUMPER WALL REPAIR
4.3	GROUT POCKET REPAIR
5.1	COLUMN REPAIR
5.2	CORBEL REPAIR
7.1	CRACK REPAIR
8.2	BRICK MASONRY CRACK REPAIR
8.3	BRICK REPLACEMENT
10.5	CLEAN AND COAT CORRODED STEEL
13.1	REMOVE LOOSE OVERHEAD CONCRETE



Project Name:

WO 1 CENTRO YBOR PARKING GARAGE HIGH PRIORITY REPAIRS

Client :

CITY OF TAMPA

Issues/Revisions :

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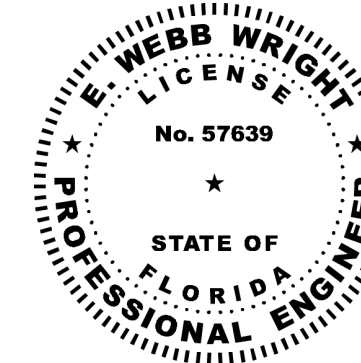
Drawn By :
MP

Approved By :
WW

Checked By :
YAM

Certification
TO THE BEST OF THE ENGINEER'S KNOWLEDGE,
THE PLANS AND SPECIFICATIONS COMPLY WITH
THE 2020 FLORIDA BUILDING CODE.

Seal and Signature :



E. WEBB WRIGHT, P.E.
Professional Engineer No. 57639

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Drawing Title :

GENERAL NOTES

Filename :

Sheet No. :

S0.1

THRESHOLD INSPECTION PLAN



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

**walter
p moore**

407.418.2218
Certificate of Authorization No. 3818

PART I - GENERAL

- A. PURPOSE
1. THE PURPOSE OF THIS THRESHOLD INSPECTION PLAN, AS REQUIRED BY FLORIDA STATUTE CHAPTER 553 AND THE FLORIDA BUILDING CODE, IS TO PROVIDE SPECIFIC INSPECTION PROCEDURES AND SCHEDULES SO THAT THE BUILDING CAN BE ADEQUATELY INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- B. QUALIFICATIONS
1. ONLY ENGINEERS CERTIFIED BY THE STATE OF FLORIDA AS SPECIAL INSPECTORS OF THRESHOLD BUILDINGS, IN ACCORDANCE WITH FLORIDA STATUTE CHAPTER 471, CAN ASSUME THE RESPONSIBILITIES OF A SPECIAL INSPECTOR.
 2. THE SPECIAL INSPECTOR SHALL BE PERMITTED TO SEND AN AUTHORIZED REPRESENTATIVE TO THE JOB SITE TO PERFORM THE NECESSARY INSPECTIONS PROVIDED ALL REQUIRED WRITTEN REPORTS ARE PREPARED BY AND BEAR THE SEAL OF THE SPECIAL INSPECTOR.
 3. THE SPECIAL INSPECTOR'S AUTHORIZED REPRESENTATIVE SHALL BE QUALIFIED BY EDUCATION OR LICENSURE TO PERFORM THE DUTIES ASSIGNED BY THE SPECIAL INSPECTOR. THE QUALIFICATIONS SHALL INCLUDE ONE OF THE FOLLOWING: LICENSURE AS A PROFESSIONAL ENGINEER OR ARCHITECT; GRADUATION FROM AN ENGINEERING EDUCATION PROGRAM IN CIVIL OR STRUCTURAL ENGINEERING; GRADUATION FROM AN ARCHITECTURAL EDUCATION PROGRAM; SUCCESSFUL COMPLETION OF THE NCEES FUNDAMENTALS EXAMINATION; LICENSURE AS A BUILDING INSPECTOR PER CHAPTER 468, F.S.; OR LICENSURE AS A GENERAL CONTRACTOR PER CHAPTER 489, F.S.
 4. THE TERM "SPECIAL INSPECTOR" IN THE BALANCE OF THIS INSPECTION PLAN REFERS TO THE SPECIAL INSPECTOR AND/OR THE SPECIAL INSPECTOR'S AUTHORIZED REPRESENTATIVE.
- C. SPECIAL INSPECTOR'S RESPONSIBILITIES
1. THE SPECIAL INSPECTOR MUST DEDICATE THEIR TIME ON-SITE TO THE INSPECTION REQUIREMENTS OF THIS INSPECTION PLAN. THEY SHALL COORDINATE WITH THE CONTRACTOR TO ALLOW ENOUGH TIME TO PERFORM THE INSPECTIONS AS OUTLINED IN THIS PLAN.
 2. THE SPECIAL INSPECTOR SHALL CONTACT THE ENGINEER AT LEAST ONCE A WEEK TO DISCUSS DETAILS ON THE PROJECT AND TO CONFIRM THEY HAVE REVIEWED ALL APPROVED RFIS, SUPPLEMENTAL SKETCHES, ETC.
 3. THE SPECIAL INSPECTOR SHALL COOPERATE WITH THE CONTRACTOR AND SHALL REFRAIN FROM DIRECTING WORK, AS THIS IS EXPRESSLY NOT PART OF THE THRESHOLD INSPECTION FUNCTION.
 4. THE SPECIAL INSPECTOR MAY NOT SERVE AS A SURROGATE IN CARRYING OUT THE RESPONSIBILITIES OF THE BUILDING OFFICIAL, ARCHITECT, OR ENGINEER OF RECORD.
 5. THE SPECIAL INSPECTOR SHALL NOT PERFORM OTHER CONSTRUCTION RELATED WORK ON THE PROJECT, INCLUDING MATERIALS TESTING SERVICES.
- D. CONTRACTOR'S RESPONSIBILITIES
1. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SCOPE OF THE INSPECTIONS THAT WILL BE PERFORMED AND ALSO THE REQUIREMENTS OF THE CONTRACTOR AS DESCRIBED HEREIN, PARTICULARLY REGARDING FORMWORK DESIGN AND INSPECTIONS.
 2. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING THEIR INSPECTION DUTIES AND SHALL PROVIDE FREE ACCESS TO THE PROJECT AT ALL TIMES.
 3. THE CONTRACTOR SHALL COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS. THEY SHALL ADVISE THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION. A MINIMUM OF TWENTY-FOUR (24) HOURS NOTICE IS REQUIRED.
 4. THESE INSPECTIONS SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES TO CARRY OUT THEIR OWN QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR'S CONTRACTUAL OR STATUTORY OBLIGATIONS ARE NOT RELIEVED BY ANY ACTION OF THE SPECIAL INSPECTOR.
- E. OWNER'S RESPONSIBILITIES
1. THE OWNER SHALL RETAIN A SPECIAL INSPECTOR TO PERFORM THE INSPECTION SERVICES AS DESCRIBED HEREIN.
 2. THE OWNER SHALL PAY ALL COSTS OF EMPLOYING A SPECIAL INSPECTOR, BUT THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE TO THE ENFORCEMENT AGENCY.
- F. FREQUENCY OF INSPECTION
1. THE SPECIAL INSPECTOR SHALL PERFORM SITE VISITS AT A FREQUENCY DETERMINED BY HIM/HER TO SATISFY HIM/HERSELF THAT THE INSPECTIONS ARE BEING PERFORMED IN ACCORDANCE WITH THIS PLAN.
- G. DISCREPANCIES AND DEVIATIONS
1. THE SPECIAL INSPECTOR SHALL IMMEDIATELY ALERT THE CONTRACTOR OF ALL DISCREPANCIES AND DEVIATIONS FROM THE CONTRACT DOCUMENTS.
 2. THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

PART II - REPORTING

- A. WRITTEN REPORTS
1. THE SPECIAL INSPECTOR SHALL SUBMIT WRITTEN REPORTS TO THE ENFORCING AGENCY HAVING JURISDICTION FOR THE PROJECT EACH WEEK DURING CONSTRUCTION. COPIES OF THE REPORT SHALL BE SUBMITTED TO THE OWNER, ARCHITECT, ENGINEER OF RECORD AND CONTRACTOR.
 2. THE REPORT SHALL BEAR THE SIGNATURE AND SEAL OF THE SPECIAL INSPECTOR.
 3. THE REPORT SHALL INCLUDE:
 - a. A DESCRIPTION OF CONSTRUCTION PROGRESS FOR THE WEEK.
 - b. WORKING CONDITIONS INCLUDING WEATHER, TEMPERATURE, TIME OF DAY, TYPE AND LOCATION OF WORK BEING PERFORMED.
 - c. CHANGES IN WORKING SEQUENCE OR MATERIALS AND ANY UNUSUAL CIRCUMSTANCES AFFECTING THE PERFORMANCE OF WORK.
 - d. ANY DISCREPANCIES OR DEVIATIONS FROM THE CONTRACT DOCUMENTS AND WHETHER ANY MEASURES WERE TAKEN BY THE CONTRACTOR TO CORRECT THESE CONDITIONS.
 - e. THE NON-CONFORMANCE AND CORRECTIONS LOG AS INDICATED BELOW.
- B. NON-CONFORMANCE AND CORRECTIONS LOG
1. THE SPECIAL INSPECTOR SHALL KEEP AN EXCEPTIONS AND CORRECTIONS LOG FOR FOLLOW-UP.
 2. THE LOG SHALL INCLUDE, FOR EACH NON-CONFORMANCE ITEM, THE DATE IT WAS NOTED, THE CORRECTIVE ACTION TAKEN, AND THE DATE IT WAS RECTIFIED.
 3. THIS LOG SHALL BE REVIEWED ON A DAILY BASIS AND UPDATED AS EXCEPTIONS ARE RECTIFIED.
- C. LETTER OF COMPLETION
1. IN ACCORDANCE WITH SECTION 553.79 (7)A OF THE FLORIDA STATUTES, THE SPECIAL INSPECTOR SHALL, UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, FILE A SIGNED AND SEALED STATEMENT WITH THE ENFORCEMENT AGENCY IN SUBSTANTIALLY THE FOLLOWING FORM: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE CONSTRUCTION OF ALL STRUCTURAL LOAD-BEARING COMPONENTS DESCRIBED IN THE THRESHOLD INSPECTION PLAN COMPLIES WITH THE CONTRACT DOCUMENTS.

PART III - REINFORCED CONCRETE

- A. GENERAL
1. THIS SECTION PERTAINS TO ALL CONCRETE PATCH REPAIRS.
- A. CONCRETE PLACEMENT
1. VERIFY SURFACE PREPARATION OF REPAIR CAVITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
 2. VERIFY THAT PRE-PACKAGED CONCRETE REPAIR MATERIAL BEING USED IS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 3. VERIFY THAT THE CURING PROCESS IS IN ACCORDANCE WITH MANUFACTURER'S PRINTED APPLICATION INSTRUCTIONS.
 4. VISUALLY REVIEW COMPLETED CONCRETE REPAIR PATCH FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- B. REINFORCING STEEL
1. VERIFY THAT EXISTING REINFORCEMENT SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY. IF OILING OF FORMS IS REQUIRED, VERIFY THAT IT IS APPLIED BEFORE REINFORCING IS PLACED.

Project Name:

**WO 1 CENTRO YBOR
PARKING GARAGE
HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

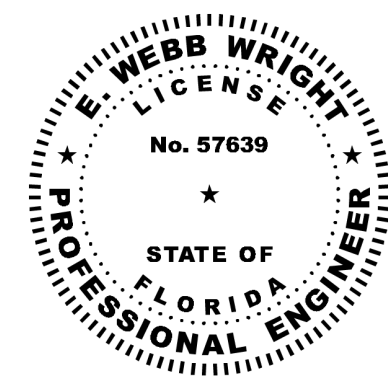
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No.	Date	Description
	04/03/20	ISSUED FOR OWNER REVIEW
	08/07/20	PERMIT SET
1	1/18/21	Revision 1

Project Number : D07.19060.03
 Drawn By : AB
 Approved By : WW
 Checked By : AB

Certification
 TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE 2020 FLORIDA BUILDING CODE.

Seal and Signature :



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 Professional Engineer No. 57639
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Drawing Title :

**THRESHOLD
INSPECTION PLAN**

Filename :

Sheet No. :

S0.2

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Client :

CITY OF TAMPA

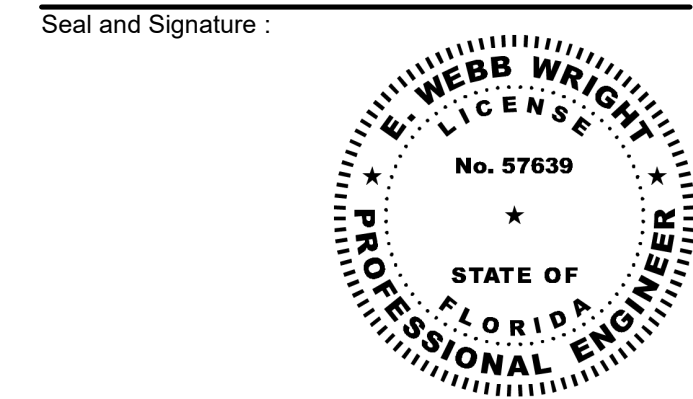
Issues/Revisions :

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No.	Date	Description
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	08/07/20	PERMIT SET

Project Number : D07.19060.03
 Drawn By : MP
 Approved By : WW
 Checked By : YAM

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 Professional Engineer No. 57639

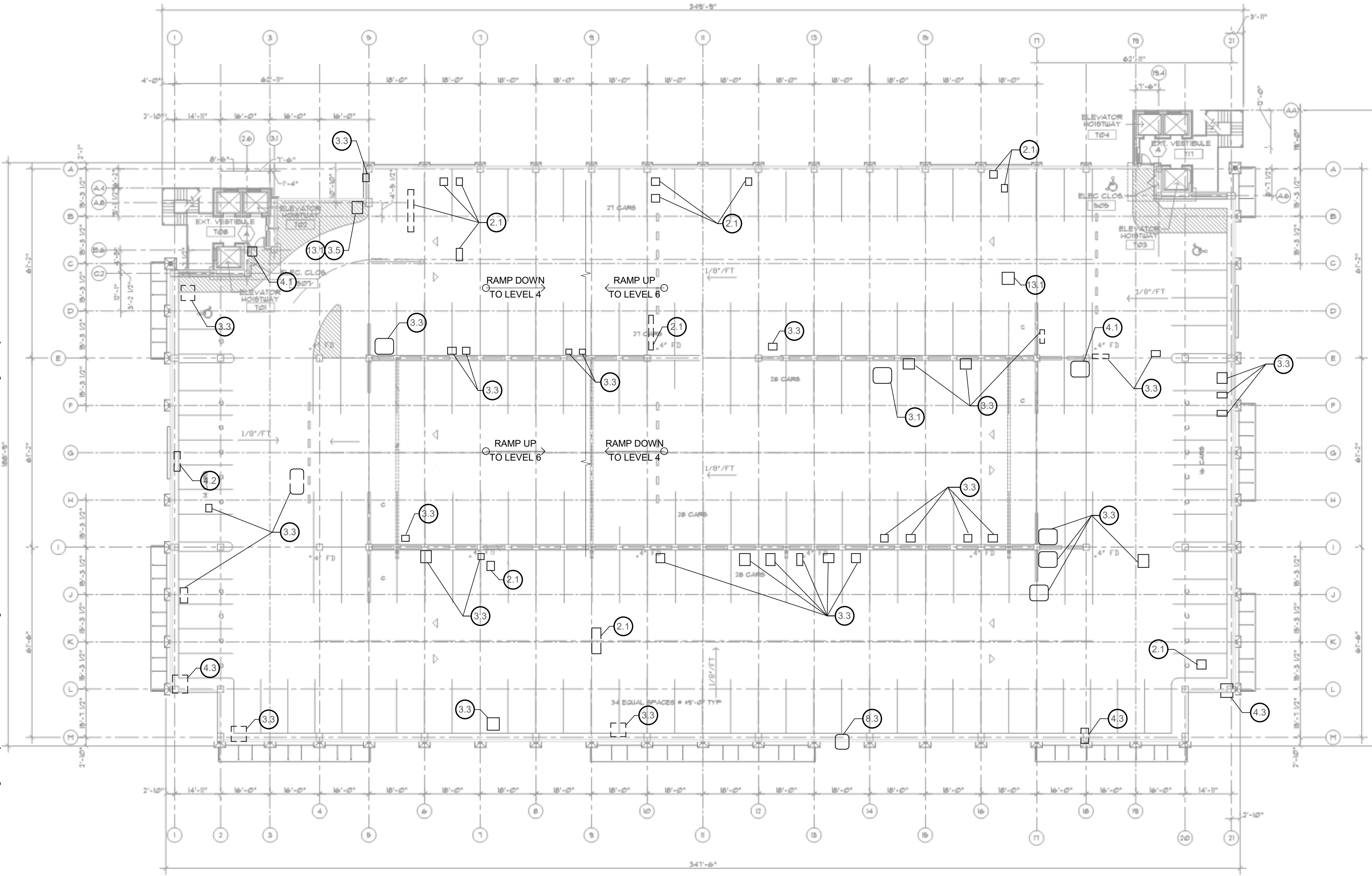
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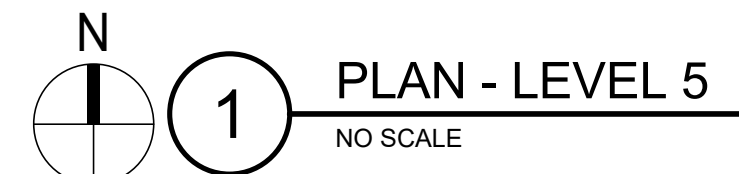
LEVEL 5 PLAN

Filename :
 Sheet No. :

S1.5



PLAN NOTES:
 1. GRAY BACKGROUND IMAGE OF GARAGE WAS TAKEN FROM EXISTING BUILDING DRAWINGS AND IS INCLUDED SOLELY FOR THE PURPOSE OF SHOWING LOCATION OF TASK ITEM REPAIR. NOTES, SECTION CUTS, ETC. ON THE GRAY BACKGROUND ARE NOT APPLICABLE TO THIS PROJECT.



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Project Name:

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Client :

CITY OF TAMPA

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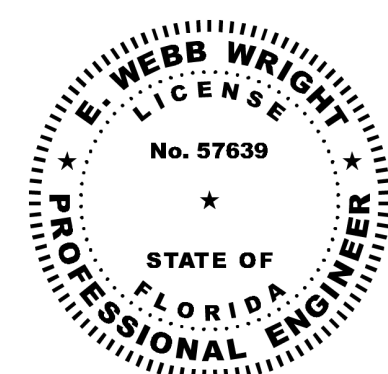
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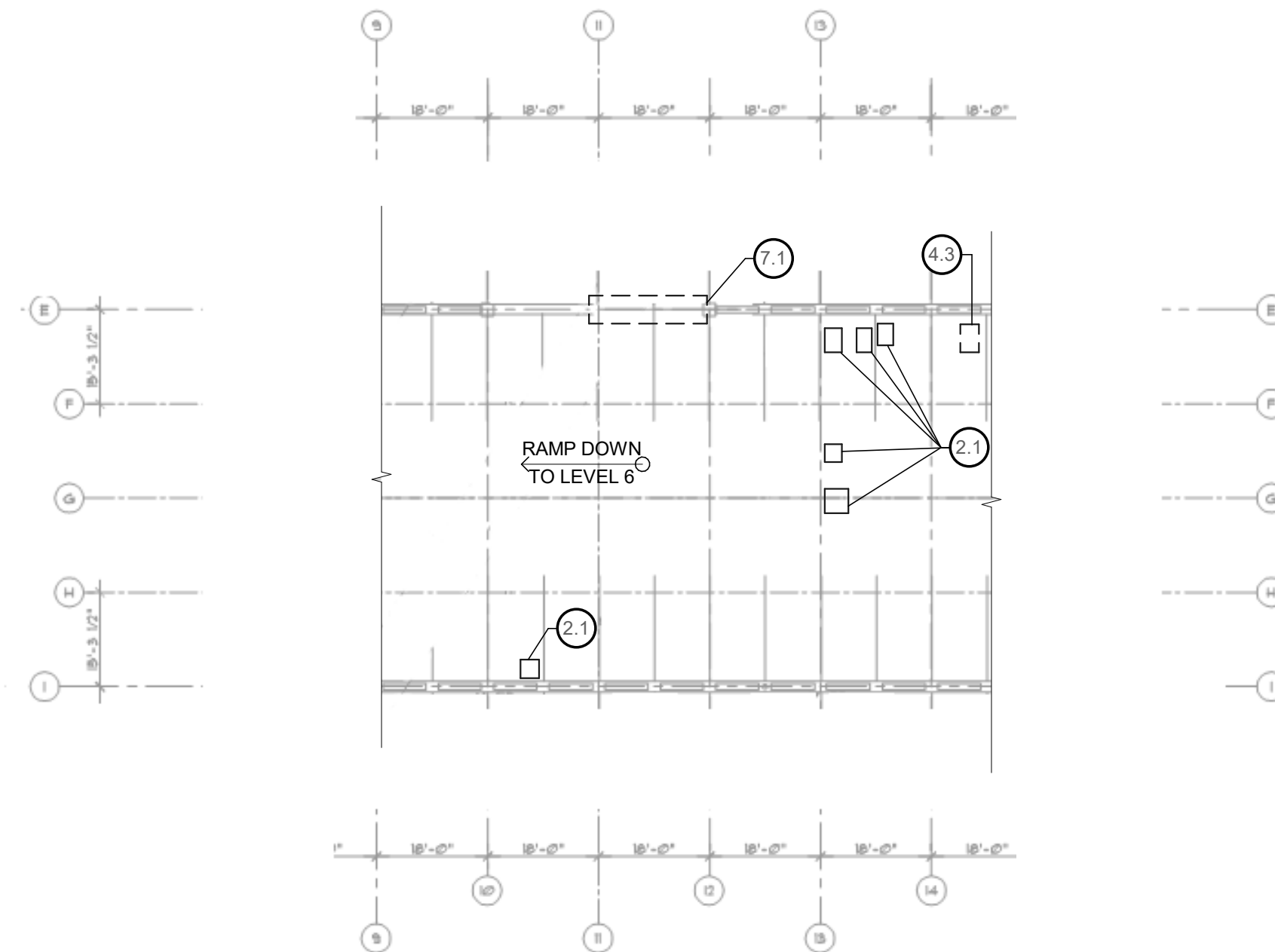
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LEVEL 6P PLAN

Filename :

Sheet No. :

S1.6P



PLAN NOTES:
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1 PLAN - LEVEL 6P
NO SCALE



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**WO 1 CENTRO YBOR
PARKING GARAGE
HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

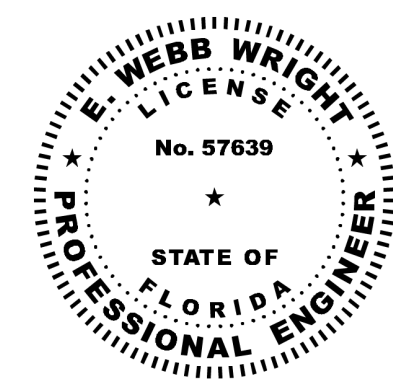
PERMIT SET

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Project Number : D07.19060.03
 Drawn By : MP
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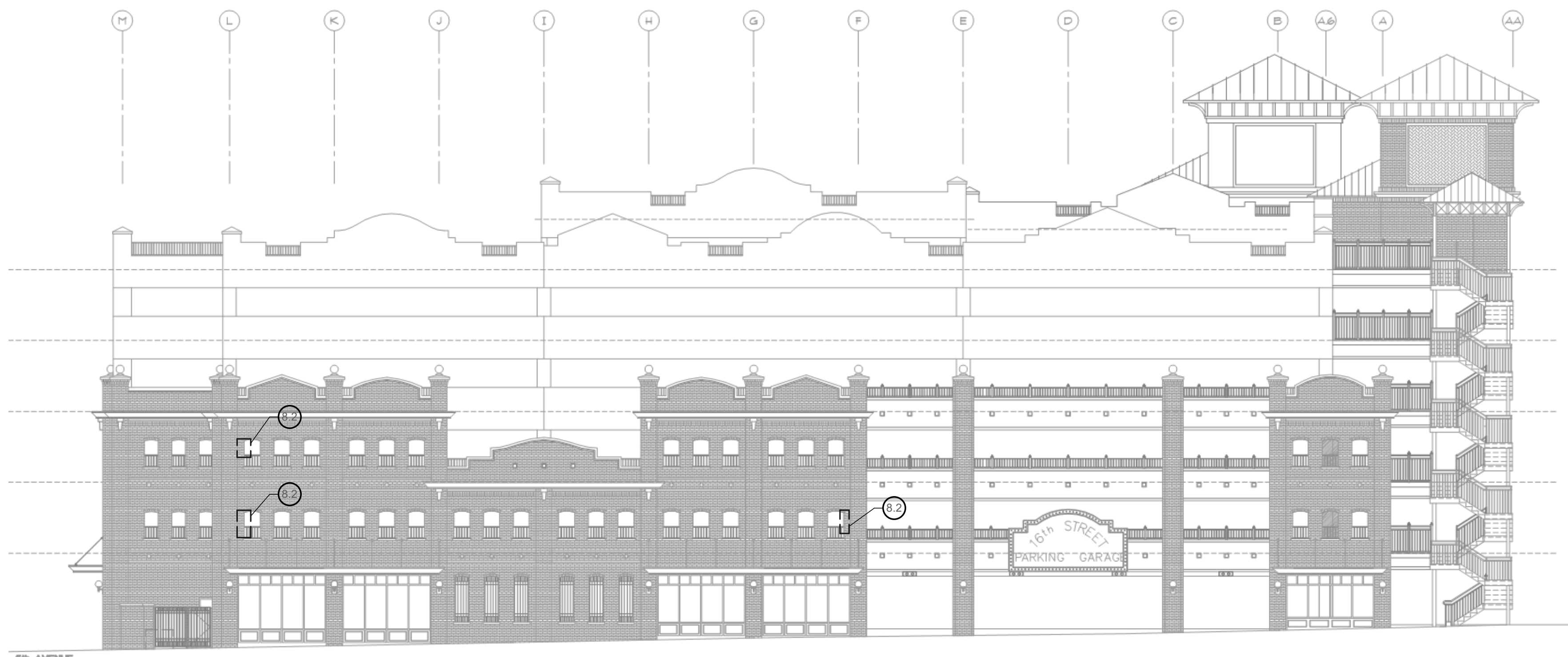
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Drawing Title :

EAST ELEVATION

Filename :
 Sheet No. :

S2.0



PLAN NOTES:
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1 EAST ELEVATION
 NO SCALE

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Project Name:

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PARKING GARAGE
HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

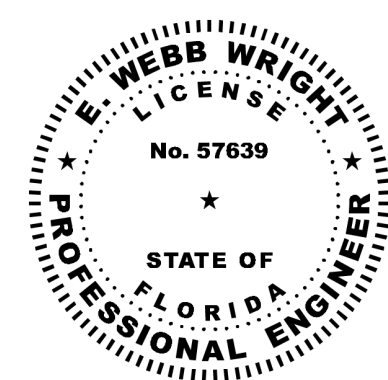
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	08/07/20	PERMIT SET

Project Number : D07.19060.03
Approved By : WW
Drawn By : MP
Checked By : YAM

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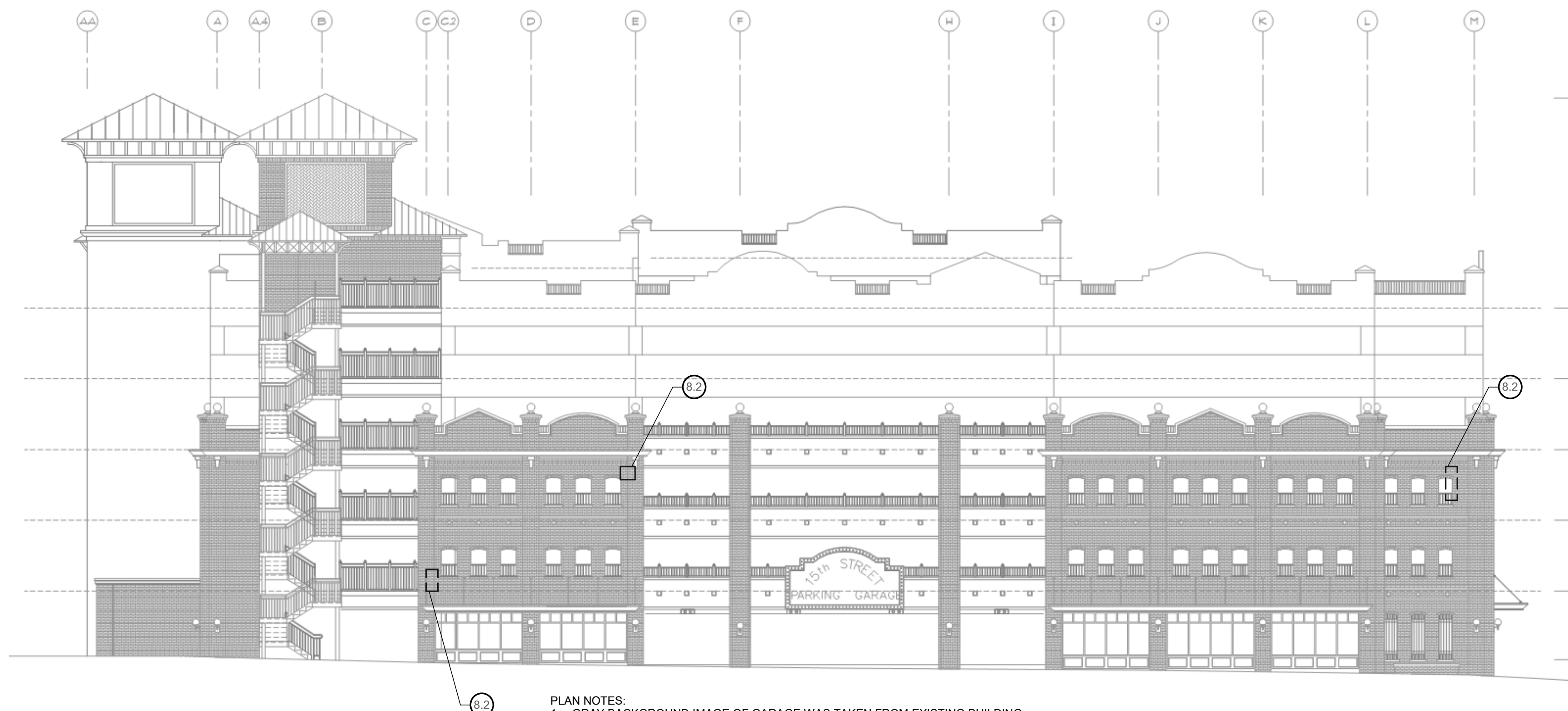
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WEST ELEVATION

Filename :

Sheet No. :

S2.2



PLAN NOTES:

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1 WEST ELEVATION
NO SCALE

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WO 6 PAM IORIO PARKING GARAGE HIGH PRIORITY REPAIRS TAMPA, FLORIDA

Project Name:

**WO 6 PAM IORIO PARKING
GARAGE HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

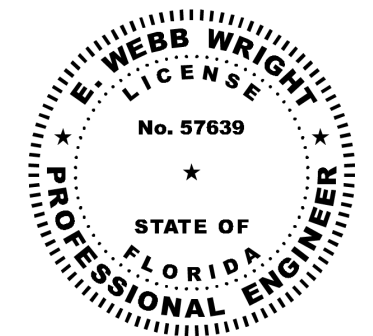
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No.	Date	Description
1	08/14/20	Issued for Owner Review
2	01/18/21	Issued for Permit

Project Number : D07.19060.04
Approved By : WW
Drawn By : MP
Checked By : YAM

Certification Statement :
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Seal and Signature :



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Professional Engineer No. 57639

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COVER SHEET

Filename :

Sheet No. :

S0.0



SHEET LIST	
SHEET NUMBER	SHEET NAME
S0.0	COVER SHEET
S0.1	GENERAL NOTES
S0.2	THRESHOLD INSPECTION PLAN
S1.0	GROUND LEVEL - PLAN
S1.1	LEVEL 1 - PLAN
S1.2	LEVEL 2 - PLAN
S1.3	LEVEL 3 - PLAN
S1.4	LEVEL 4 - PLAN
S1.5	ROOF LEVEL - PLAN
S2.0	DETAILS
S2.1	DETAILS
S2.2	DETAILS
S2.3	DETAILS
S2.4	DETAILS
S2.5	DETAILS

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GENERAL STRUCTURAL NOTES



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Project Name:

WO 6 PAM IORIO PARKING GARAGE HIGH PRIORITY REPAIRS

CITY OF TAMPA

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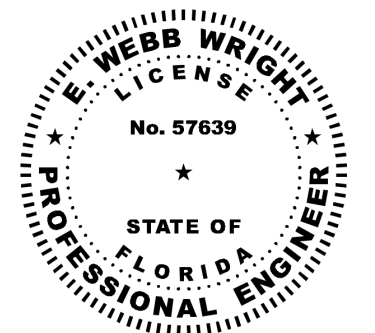
No. Date Description

1	08/14/20	Issued for Owner Review
2	01/18/21	Issued for Permit

Project Number : D07.19060.04
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GENERAL NOTES

Filename :

Sheet No. :

S0.1

PART I - DESIGN CRITERIA

- A. GENERAL BUILDING CODE
1. THE REPAIR DOCUMENTS ARE BASED ON THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, SIXTH EDITION (2017).

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. CONTRACTOR SHALL NOT START FABRICATION OF NEW MEMBERS UNTIL ITEMS EMBEDDED IN CONCRETE HAVE BEEN LOCATED. CONTACT ENGINEER IF EXISTING EMBEDDED ITEMS INTERFERE WITH LOCATION OF POST-INSTALLED ANCHORS SPECIFIED IN DRAWINGS.
 4. ENGINEER MAY REQUIRE A PARTICULAR NON-DESTRUCTIVE EVALUATION METHOD FOR THE LOCATION OF EMBEDDED ITEMS.

PART III - CONCRETE REPAIRS

- A. CONCRETE REPAIR MATERIALS
- ALL CONCRETE SHALL CONFORM TO THE REQUIREMENTS AS SPECIFIED IN SPECIFICATION SECTION "CONCRETE REPAIR MATERIALS."
- B. REINFORCING STEEL
- 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.

PART IV - SHORING

- A. GENERAL
1. SHORING DESIGN IN THESE DRAWINGS IS AN INTERIM, TEMPORARY MEASURE TO PROVIDE SUPPLEMENTAL GRAVITY SUPPORT TO THE AREA AFFECTED BY CORBEL REPAIRS (TASK ITEM 5.2).
 2. THESE DRAWINGS INDICATE SHORING PERFORMANCE REQUIREMENTS AND LOCATION OF SHORING FOR CORBEL REPAIRS (TASK ITEM 5.2). THE DETAILS SHOWN IN THE DRAWINGS ARE CONCEPTUAL IN NATURE TO INDICATE THE INTENDED MEANS OF SUPPORTING THE INDICATED MEMBERS BY THE SHORES. THE FINAL DESIGN OF THE SHORING TO MEET THESE REQUIREMENTS SHALL BE RESPONSIBILITY OF THE SHORING CONTRACTOR AND SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.
 3. THE SHORING CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS OF THE SHORING TO THE ENGINEER FOR REVIEW BEFORE EXECUTING THE INSTALLATION. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SHOP DRAWINGS SHALL INCLUDE THE FOLLOWING ELEMENTS:
 - a. SHORING POSTS, TOWERS, BEAMS, AND/OR FRAMES.
 - b. DETAILS OF ATTACHMENT OF SHORING POSTS TO SUPPORTING STRUCTURAL MEMBERS.
 - c. DETAILS OF SHORING POST BASE PLATES.
- B. DESIGN CRITERIA
1. SHORING SHALL BE DESIGN FOR A TOTAL SERVICE (UNFACTORED) LOAD OF 18,600 LBS PER LOCATION. PROVIDE A MINIMUM SAFETY FACTOR OF 2.0 FOR SHORING DESIGN. REFER TO DRAWINGS FOR REQUIRED RATED CAPACITIES OF INDIVIDUAL SHORING ELEMENTS.
 2. THE REQUIRED RATED CAPACITY OF THE SHORING INDICATED IN THE DRAWINGS SHALL CONSIDER THE HEIGHT OF THE SHORING UNDER THE DOUBLE TEE MEMBERS OR BEAMS BEING SHORED WHEN THE SHORES ARE EXTENDED IN PLACE.
 3. CONSTRUCTION LOADS (EQUIPMENT, MATERIALS, AND WORKERS) ON THE WORK AREA SHALL NOT EXCEED 20 PSF.
 4. THE AREA BEING SHORED SHALL NOT BE OPEN TO VEHICLES AND THE PUBLIC DURING CONSTRUCTION ACTIVITIES.
- C. INSTALLATION OF SHORING
1. PRIOR TO CORBEL REPAIR, TEMPORARILY CLOSE THE PARKING STALLS ON DOUBLE TEES TO SUPPORT SHORING AND OVER THE DOUBLE TEE TO BE SUPPORTED THAT BEARS ON THE CORBEL. TO BE REPAIRED.
 2. PROVIDE TEMPORARY SHORING AT DOUBLE TEE STEM THAT BEARS ON CORBEL.
 3. SHORING SHALL HAVE AN ALLOWABLE (SERVICE) LOAD RATING OF 18,600 POUNDS WHEN INSTALLED AND SHALL BE VERTICALLY ALIGNED AND SUPPORTED BY THE DOUBLE TEE STEMS OF THE TWO LEVELS IMMEDIATELY BELOW THE DOUBLE TEE WHERE THE CORBEL REPAIR IS TO TAKE PLACE.
 4. THE SPECIFIED SHORING CAPACITY INCLUDES AN ALLOWANCE OF 20 POUNDS PER SQUARE FOOT (PSF) FOR CONSTRUCTION LIVE LOAD WHICH MAY BE USED BY THE CONTRACTOR FOR WORK BEING PERFORMED ON ONLY ONE LEVEL AT A TIME WITHIN THE TEMPORARY CLOSURE AREA.
 5. CONTRACTOR SHALL ASSURE THAT CONSTRUCTION LOADS WITHIN THE TEMPORARY CLOSURE AREAS DO NOT EXCEED 20 PSF WHILE SHORING IS IN PLACE.
 6. SHORING SHALL BE PUT IN PLACE AND APPROVED BY ENGINEER PRIOR TO PERFORMING THE REPAIRS INDICATED IN THE DRAWINGS.
 7. SHORING SHALL REMAIN IN PLACE DURING REPAIRS AND SHALL NOT BE REMOVED UNTIL ALL REPAIRS HAVE BEEN COMPLETED AND APPROVED BY ENGINEER.
 8. SHORES SHALL BE INSTALLED SNUG TIGHT ONLY AGAINST THE DOUBLE TEE MEMBER BEING SHORED. DO NOT RELIEVE LOAD FROM THE EXISTING STRUCTURE.

PART IV - SHORING - (CONT.)

9. ALL SHORE POSTS MUST BE INSTALLED VERTICALLY PLUMB. PROVIDE BRACING BETWEEN ADJACENT SHORE POSTS AS REQUIRED FOR STABILITY. INSTALL SHORE POST BRACING PER MANUFACTURER'S SPECIFICATIONS.
10. SHORE POSTS SHALL BE LOCATED UNDER THE MEMBERS SHOWN IN THE DRAWINGS AND POSITIONED SO THAT THE LOAD IS TRANSFERRED DIRECTLY TO THE SUPPORTING STRUCTURAL MEMBERS INDICATED IN THE DRAWINGS. CONTACT ENGINEER IF A SHORE POST CANNOT BE PROVIDED AT A LOCATION INDICATED IN THE DRAWINGS.
11. SHORING POSTS SHALL BE PROVIDED WITH BASE PLATES SO THAT THE LOAD IS UNIFORMLY DISTRIBUTED OVER AN AREA OF 4.0 SQUARE FOOT SECTION OF THE SLAB-ON-GRADE.
12. PROVIDE APPROPRIATE ANCHORAGE AT THE TOP AND BOTTOM OF SHORING ELEMENTS TO PREVENT OVERTURNING OR TIPPING OVER OF SHORE POSTS.
13. SHORED AREAS SHALL BE COMPLETELY BARRICADED TO PROTECT SHORE POSTS FROM VEHICULAR TRAFFIC.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXPOSED STRUCTURAL FINISHED SURFACES (FLOOR, OVERHEAD SLAB, BEAMS, COLUMNS, WALLS, ETC.) DURING INSTALLATION OF SHORING.
15. SHORING LAYOUT SHALL MEET SAFETY AND OPERATION REQUIREMENTS OF THE OWNER.
16. SHORING POSTS DETAILS SHOWN IN DRAWINGS ARE CONCEPTUAL ONLY. ACTUAL SHORING MEMBERS AND CONNECTIONS MAY VARY DEPENDING ON THE SHORING MANUFACTURER'S PROPRIETARY SYSTEM AVAILABLE.
17. SHORING SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

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 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. STEEL COATINGS
 2. SUBMITTAL REQUIREMENTS:
 - a. ALL SUBMITTALS MUST BE REVIEWED AND ELECTRONICALLY STAMPED BY THE CONTRACTOR PRIOR TO SUBMITTAL.
 - b. CONTRACTOR SHALL PROVIDE THE SUBMITTAL IN ELECTRONIC PORTABLE DOCUMENT FORMAT (PDF) PER THE SPECIFICATIONS.
 - c. THE OMISSION FROM THE SUBMITTALS 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 SUBMITTALS 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 ORIGINAL 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. CONTRACTOR SHALL FULLY AND PROPERLY IMPLEMENT THE ENGINEERING CONTROLS, WORK PRACTICES, AND RESPIRATORY PROTECTION AGAINST TOXIC AND HAZARDOUS SUBSTANCES INCLUDING RESPIRABLE CRYSTALLINE SILICA ACCORDING TO OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, OSHA 1926.1153. WALTER P MOORE DOES NOT HAVE CONTROL OVER, CHARGE OF, OR RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. NOR SHALL WALTER P MOORE BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
 3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE REPAIRED STRUCTURE, AND, EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, AND SEQUENCE.
- 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, CALKED 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.

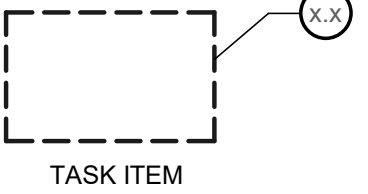
PART VI - MISCELLANEOUS (CONTINUED)

5. REFER TO DRAWINGS OF EXISTING FACILITY (OTHER THAN REPAIR DRAWINGS) FOR COMPLETE INFORMATION INCLUDING: EXPANSION JOINT SYSTEMS, PREVIOUS REPAIRS PERFORMED IN THE FACILITY, PRESENCE OF POST-TENSIONING, LOCATION AND SIZE OF STRUCTURAL MEMBERS (BEAMS, COLUMNS, WALLS, ETC.), SLAB THICKNESS, AND OTHER INFORMATION RELEVANT TO THE PROJECT.
 6. WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED, MEMBERS ARE EITHER LOCATED ON COLUMNS LINES OR ARE EQUALLY SPACED BETWEEN LOCATED MEMBERS.
 7. 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 <THE ARCHITECT AND> ENGINEER PRIOR TO THE FABRICATION AND ERECTION OF ANY MEMBERS. EXISTING DIMENSIONS SHOWN ON THE DRAWINGS ARE FOR GENERAL REFERENCE ONLY AND SHOULD NOT BE USED FOR FINAL CONSTRUCTION OR DETAILING.
 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 REFERENCE 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 PERFORM A SURVEY TO LOCATE ALL EXISTING UTILITIES (INCLUDING UNDERGROUND 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.
 5. 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.
 6. THE CONTRACTOR SHALL PERFORM A PRE-CONSTRUCTION CONDITION SURVEY TO DOCUMENT SITE CONDITIONS PRIOR TO START OF WORK. SUBMIT SURVEY TO OWNER AND THE ENGINEER. DOCUMENT LOCATION AND CONDITION OF ANY CONSTRUCTION DESIGNATED FOR REMOVAL AND RE-INSTALLATION.
 7. THE CONTRACTOR SHALL REPAIR ALL DAMAGE CAUSED DURING CONSTRUCTION WITH SIMILAR MATERIALS AND WORKMANSHIP TO RESTORE CONDITIONS TO LEVELS ACCEPTABLE TO THE OWNER.
- D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION
1. REPAIRS OF STRUCTURAL ELEMENTS OF THE PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE VERTICAL AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL REPAIRED STRUCTURE ONLY. THE ABILITY OF THE STRUCTURAL FRAME TO RESIST THE REQUIRED CODE FORCES DERIVES FROM THE COMPLETE INSTALLATION OF THE REPAIRS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL REQUIRED BRACING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE REPAIR WORK IS COMPLETELY INSTALLED AND ALL DESIGNATED CONCRETE ELEMENTS (IF ANY) HAVE REACHED A MINIMUM OF 75% OF THEIR DESIGN STRENGTH.
- 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.

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
- | | |
|-------------|--------------------------|
| APPROX CONC | APPROXIMATE CONCRETE |
| CSP | CONCRETE SURFACE PROFILE |
| EXIST | EXISTING |
| FV | FIELD VERIFY |
| MAX | MAXIMUM |
| MIN | MINIMUM |
| REINF | REINFORCING |
| T.I. | TASK ITEM |
| TYP | TYPICAL |

TASK ITEMS	DESCRIPTION
2.3	PARTIAL DEPTH CONCRETE FLOOR REPAIR
2.6	CONCRETE CURB REPAIR
3.1	OVERHEAD SLAB REPAIR
3.5	NON POST TENSIONED BEAM REPAIR
3.6	POST TENSIONED BEAM REPAIR
4.1	CONCRETE WALL REPAIR
4.2	BUMPER WALL REPAIR
4.3	GROUT POCKET REPAIR
5.1	COLUMN REPAIR
5.2	CORBEL REPAIR
8.2	CMU REPLACEMENT
8.5	PRECAST FACADE PANEL REPAIR
8.6	STUCCO FACADE REPAIR
9.7	STAIR NOSING REPAIR
10.5	CLEAN & COAT CORRODED STEEL
13.2	LIGHT POLE BASE PLATE: CLEAN & COAT CORRODED STEEL, REPLACE & TIGHTEN NUTS & WASHERS



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THRESHOLD INSPECTION PLAN



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Certificate of Authorization No. 3818

PART I - GENERAL

- A. PURPOSE**
1. THE PURPOSE OF THIS THRESHOLD INSPECTION PLAN, AS REQUIRED BY FLORIDA STATUTE CHAPTER 553 AND THE FLORIDA BUILDING CODE, IS TO PROVIDE SPECIFIC INSPECTION PROCEDURES AND SCHEDULES SO THAT THE BUILDING CAN BE ADEQUATELY INSPECTED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- B. QUALIFICATIONS**
1. ONLY ENGINEERS CERTIFIED BY THE STATE OF FLORIDA AS SPECIAL INSPECTORS OF THRESHOLD BUILDINGS, IN ACCORDANCE WITH FLORIDA STATUTE CHAPTER 471, CAN ASSUME THE RESPONSIBILITIES OF A SPECIAL INSPECTOR.
 2. THE SPECIAL INSPECTOR SHALL BE PERMITTED TO SEND AN AUTHORIZED REPRESENTATIVE TO THE JOB SITE TO PERFORM THE NECESSARY INSPECTIONS PROVIDED ALL REQUIRED WRITTEN REPORTS ARE PREPARED BY AND BEAR THE SEAL OF THE SPECIAL INSPECTOR.
 3. THE SPECIAL INSPECTOR'S AUTHORIZED REPRESENTATIVE SHALL BE QUALIFIED BY EDUCATION OR LICENSURE TO PERFORM THE DUTIES ASSIGNED BY THE SPECIAL INSPECTOR. THE QUALIFICATIONS SHALL INCLUDE ONE OF THE FOLLOWING: LICENSURE AS A PROFESSIONAL ENGINEER OR ARCHITECT; GRADUATION FROM AN ENGINEERING EDUCATION PROGRAM IN CIVIL OR STRUCTURAL ENGINEERING; GRADUATION FROM AN ARCHITECTURAL EDUCATION PROGRAM; SUCCESSFUL COMPLETION OF THE NCEES FUNDAMENTALS EXAMINATION; LICENSURE AS A BUILDING INSPECTOR PER CHAPTER 468, F.S.; OR LICENSURE AS A GENERAL CONTRACTOR PER CHAPTER 489, F.S.
 4. THE TERM "SPECIAL INSPECTOR" IN THE BALANCE OF THIS INSPECTION PLAN REFERS TO THE SPECIAL INSPECTOR AND/OR THE SPECIAL INSPECTOR'S AUTHORIZED REPRESENTATIVE.
- C. SPECIAL INSPECTOR'S RESPONSIBILITIES**
1. THE SPECIAL INSPECTOR MUST DEDICATE THEIR TIME ON-SITE TO THE INSPECTION REQUIREMENTS OF THIS INSPECTION PLAN. THEY SHALL COORDINATE WITH THE CONTRACTOR TO ALLOW ENOUGH TIME TO PERFORM THE INSPECTIONS AS OUTLINED IN THIS PLAN.
 2. THE SPECIAL INSPECTOR SHALL CONTACT THE ENGINEER AT LEAST ONCE A WEEK TO DISCUSS DETAILS ON THE PROJECT AND TO CONFIRM THEY HAVE REVIEWED ALL APPROVED RFIS, SUPPLEMENTAL SKETCHES, ETC.
 3. THE SPECIAL INSPECTOR SHALL COOPERATE WITH THE CONTRACTOR AND SHALL REFRAIN FROM DIRECTING WORK, AS THIS IS EXPRESSLY NOT PART OF THE THRESHOLD INSPECTION FUNCTION.
 4. THE SPECIAL INSPECTOR MAY NOT SERVE AS A SURROGATE IN CARRYING OUT THE RESPONSIBILITIES OF THE BUILDING OFFICIAL, ARCHITECT, OR ENGINEER OF RECORD.
 5. THE SPECIAL INSPECTOR SHALL NOT PERFORM OTHER CONSTRUCTION RELATED WORK ON THE PROJECT, INCLUDING MATERIALS TESTING SERVICES.
- D. CONTRACTOR'S RESPONSIBILITIES**
1. THE CONTRACTOR SHALL BE FAMILIAR WITH THE SCOPE OF THE INSPECTIONS THAT WILL BE PERFORMED AND ALSO THE REQUIREMENTS OF THE CONTRACTOR AS DESCRIBED HEREIN, PARTICULARLY REGARDING FORMWORK DESIGN AND INSPECTIONS.
 2. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING THEIR INSPECTION DUTIES AND SHALL PROVIDE FREE ACCESS TO THE PROJECT AT ALL TIMES.
 3. THE CONTRACTOR SHALL COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS. THEY SHALL ADVISE THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION. A MINIMUM OF TWENTY-FOUR (24) HOURS NOTICE IS REQUIRED.
 4. THESE INSPECTIONS SHALL NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITIES TO CARRY OUT THEIR OWN QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR'S CONTRACTUAL OR STATUTORY OBLIGATIONS ARE NOT RELIEVED BY ANY ACTION OF THE SPECIAL INSPECTOR.
- E. OWNER'S RESPONSIBILITIES**
1. THE OWNER SHALL RETAIN A SPECIAL INSPECTOR TO PERFORM THE INSPECTION SERVICES AS DESCRIBED HEREIN.
 2. THE OWNER SHALL PAY ALL COSTS OF EMPLOYING A SPECIAL INSPECTOR, BUT THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE TO THE ENFORCEMENT AGENCY.
- F. FREQUENCY OF INSPECTION**
1. THE SPECIAL INSPECTOR SHALL PERFORM SITE VISITS AT A FREQUENCY DETERMINED BY HIM/HER TO SATISFY HIM/HERSELF THAT THE INSPECTIONS ARE BEING PERFORMED IN ACCORDANCE WITH THIS PLAN.
- G. DISCREPANCIES AND DEVIATIONS**
1. THE SPECIAL INSPECTOR SHALL IMMEDIATELY ALERT THE CONTRACTOR OF ALL DISCREPANCIES AND DEVIATIONS FROM THE CONTRACT DOCUMENTS.
 2. THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

PART II - REPORTING

- A. WRITTEN REPORTS**
1. THE SPECIAL INSPECTOR SHALL SUBMIT WRITTEN REPORTS TO THE ENFORCING AGENCY HAVING JURISDICTION FOR THE PROJECT EACH WEEK DURING CONSTRUCTION. COPIES OF THE REPORT SHALL BE SUBMITTED TO THE OWNER, ARCHITECT, ENGINEER OF RECORD AND CONTRACTOR.
 2. THE REPORT SHALL BEAR THE SIGNATURE AND SEAL OF THE SPECIAL INSPECTOR.
 3. THE REPORT SHALL INCLUDE:
 - a. A DESCRIPTION OF CONSTRUCTION PROGRESS FOR THE WEEK.
 - b. WORKING CONDITIONS INCLUDING WEATHER, TEMPERATURE, TIME OF DAY, TYPE AND LOCATION OF WORK BEING PERFORMED.
 - c. CHANGES IN WORKING SEQUENCE OR MATERIALS AND ANY UNUSUAL CIRCUMSTANCES AFFECTING THE PERFORMANCE OF WORK.
 - d. ANY DISCREPANCIES OR DEVIATIONS FROM THE CONTRACT DOCUMENTS AND WHETHER ANY MEASURES WERE TAKEN BY THE CONTRACTOR TO CORRECT THESE CONDITIONS.
 - e. THE NON-CONFORMANCE AND CORRECTIONS LOG AS INDICATED BELOW.
- B. NON-CONFORMANCE AND CORRECTIONS LOG**
1. THE SPECIAL INSPECTOR SHALL KEEP AN EXCEPTIONS AND CORRECTIONS LOG FOR FOLLOW-UP.
 2. THE LOG SHALL INCLUDE, FOR EACH NON-CONFORMANCE ITEM, THE DATE IT WAS NOTED, THE CORRECTIVE ACTION TAKEN, AND THE DATE IT WAS RECTIFIED.
 3. THIS LOG SHALL BE REVIEWED ON A DAILY BASIS AND UPDATED AS EXCEPTIONS ARE RECTIFIED.
- C. LETTER OF COMPLETION**
1. IN ACCORDANCE WITH SECTION 553.79 (7)A OF THE FLORIDA STATUTES, THE SPECIAL INSPECTOR SHALL, UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, FILE A SIGNED AND SEALED STATEMENT WITH THE ENFORCEMENT AGENCY IN SUBSTANTIALLY THE FOLLOWING FORM: TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE CONSTRUCTION OF ALL STRUCTURAL LOAD-BEARING COMPONENTS DESCRIBED IN THE THRESHOLD INSPECTION PLAN COMPLIES WITH THE CONTRACT DOCUMENTS.

PART III - REINFORCED CONCRETE

- A. GENERAL**
1. THIS SECTION PERTAINS TO ALL CONCRETE PATCH REPAIRS.
- B. CONCRETE PLACEMENT**
1. VERIFY SURFACE PREPARATION OF REPAIR CAVITY FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
 2. VERIFY THAT PRE-PACKAGED CONCRETE REPAIR MATERIAL BEING USED IS AS SPECIFIED IN THE CONTRACT DOCUMENTS.
 3. VERIFY THAT THE CURING PROCESS IS IN ACCORDANCE WITH MANUFACTURER'S PRINTED APPLICATION INSTRUCTIONS.
 4. VISUALLY REVIEW COMPLETED CONCRETE REPAIR PATCHES FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- C. REINFORCING STEEL**
1. VERIFY THAT EXISTING REINFORCEMENT SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY.

PART IV - MASONRY

- A. GENERAL**
1. VERIFY THAT MATERIALS ARE STORED PROPERLY BEFORE PLACEMENT IN THE STRUCTURE.
 2. VERIFY REPAIR LOCATIONS.
 3. VISUALLY REVIEW COMPLETED CONCRETE REPAIR PATCH FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- B. MORTAR**
1. VERIFY THAT MORTAR MATERIALS COMPLY WITH THE CONTRACT DOCUMENTS AND APPROVED SUBMITTALS.
 2. OBSERVE THE MORTAR IS MIXED AND PLACED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

Project Name:

**WO 6 PAM IORIO PARKING
GARAGE HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

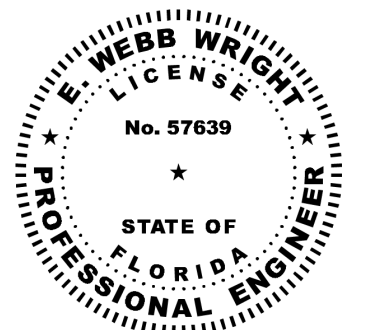
PERMIT SET

No.	Date	Description
1	08/14/20	Issued for Owner Review
2	01/18/21	Issued for Permit

Project Number : D07.19060.04
Approved By : WW
Drawn By : AB
Checked By : AB

Certification Statement :
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE 2020 FLORIDA BUILDING CODE.

Seal and Signature :



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

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

**walter
p moore**

407.418.2218
Certificate of Authorization No. 3818

Project Name:

**WO 6 PAM IORIO PARKING
GARAGE HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

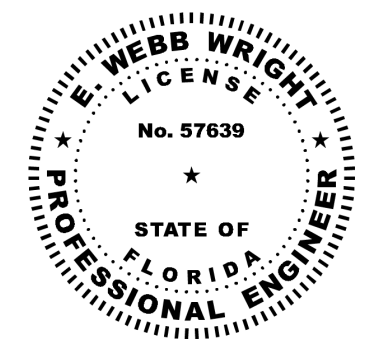
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No.	Date	Description
1	08/14/20	Issued for Owner Review
2	01/18/21	Issued for Permit

Project Number : D07.19060.04
Approved By : WW
Drawn By : MP
Checked By : YAM

Certification Statement :
TO THE BEST OF THE ENGINEER'S KNOWLEDGE,
THE PLANS AND SPECIFICATIONS COMPLY WITH
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Seal and Signature :



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

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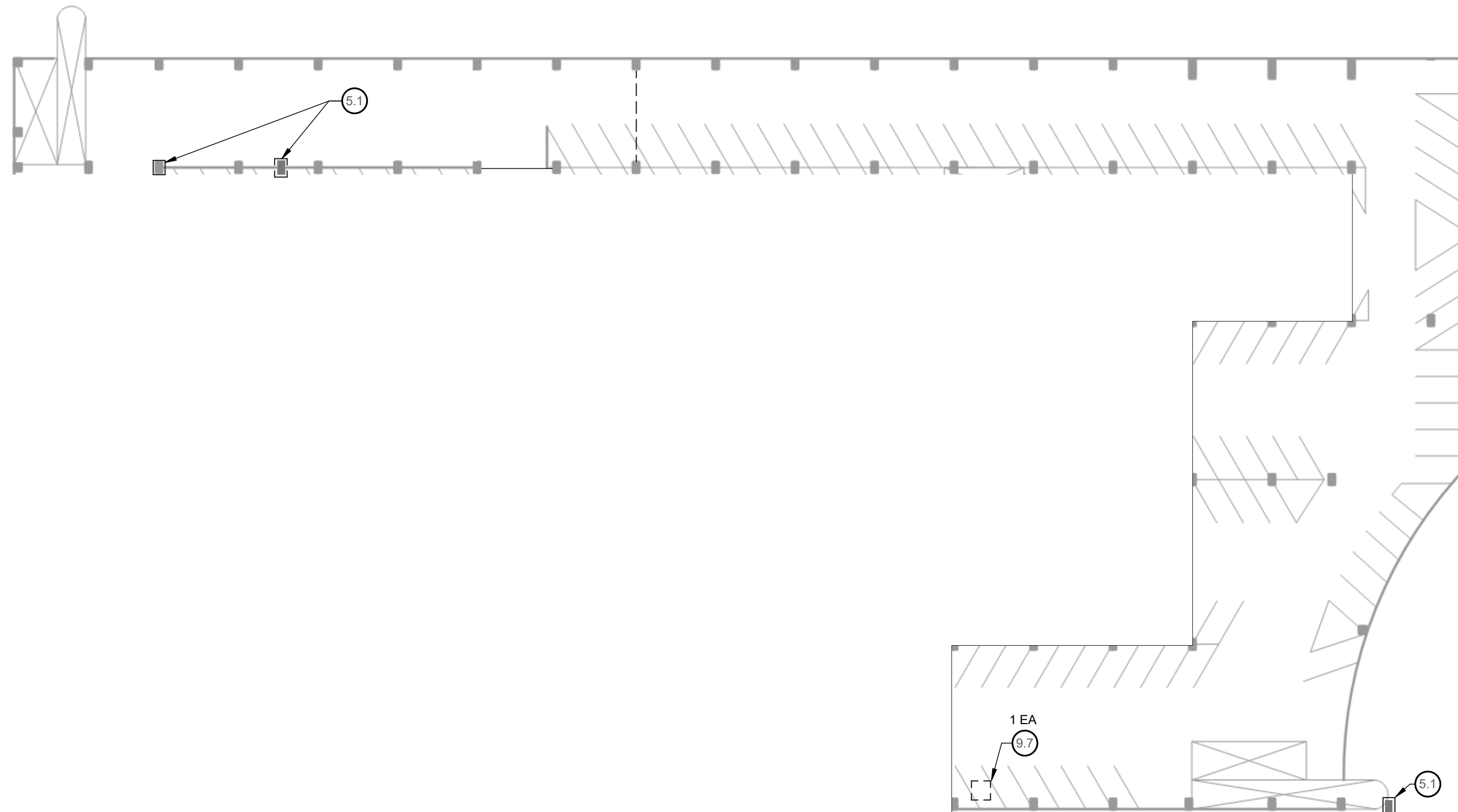
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**GROUND LEVEL -
PLAN**

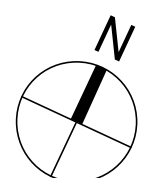
Filename :

Sheet No. :

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NOTE:
1. SEE LEVEL 1 PLAN FOR STAIRS AND RAMPS.



1

PLAN - GROUND LEVEL BELOW PLAZA

NO SCALE

\\ORL-SERVER\Projects\Projects\2019\19060-04 COT Pam Iorio PG High Priority WO6\3-Documentation\Drawings\Revit Structure\D07-19060-04 COT Pam Iorio PG High Priority WO6_Markup_rvt18.rvt



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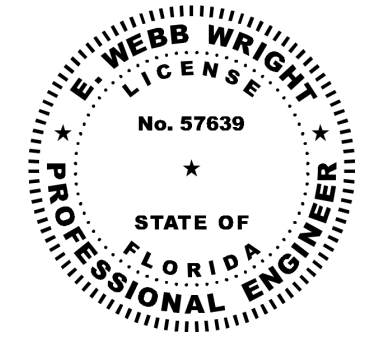
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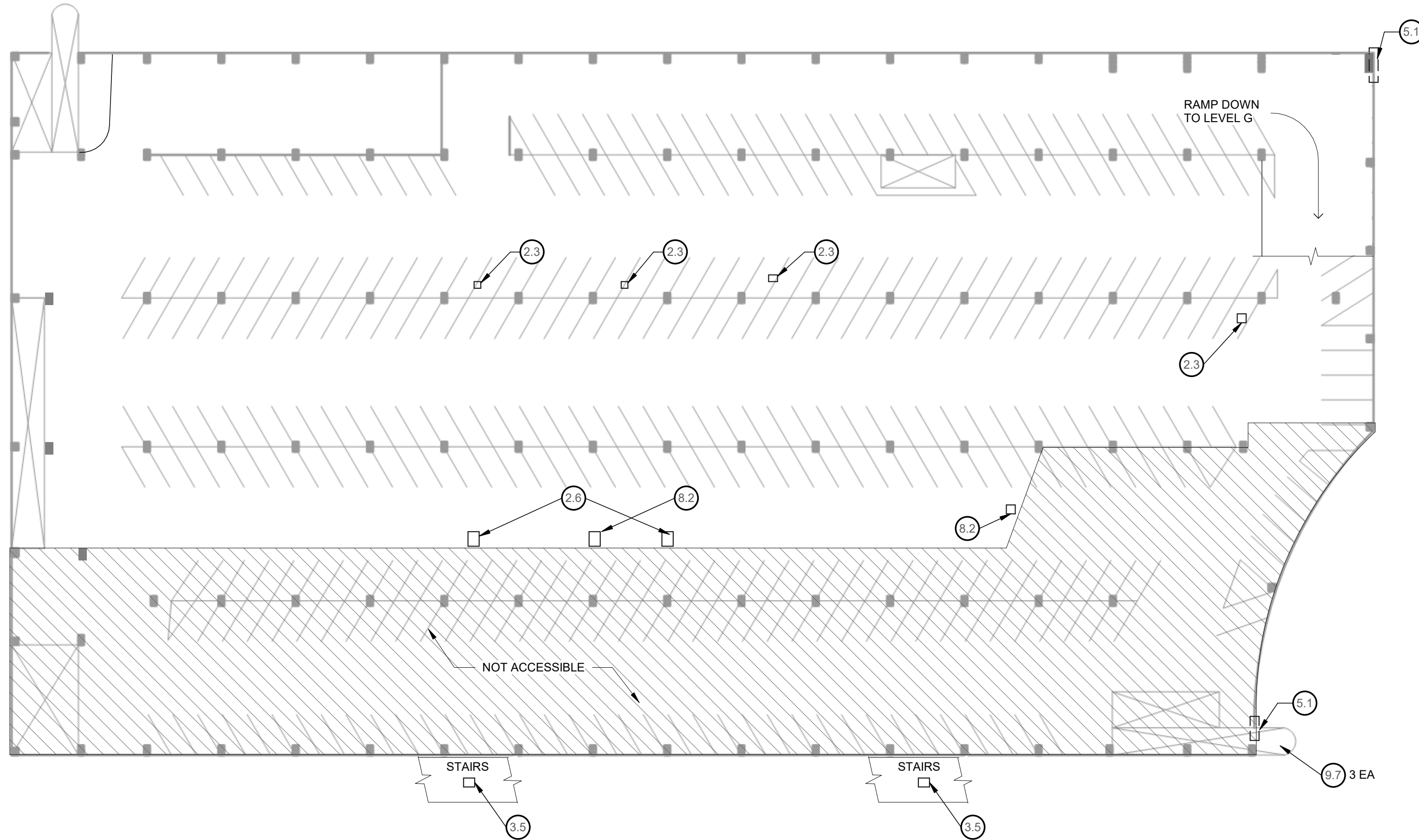
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LEVEL 1 - PLAN

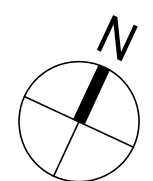
Filename :

Sheet No. :

S1.1



NOTE:
1. STAIRS AND RAMPS SHOWN ON PLAN PERTAIN TO LEVEL ABOVE.



1

PLAN - LEVEL 1
NO SCALE

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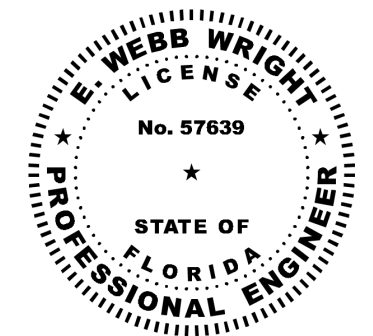
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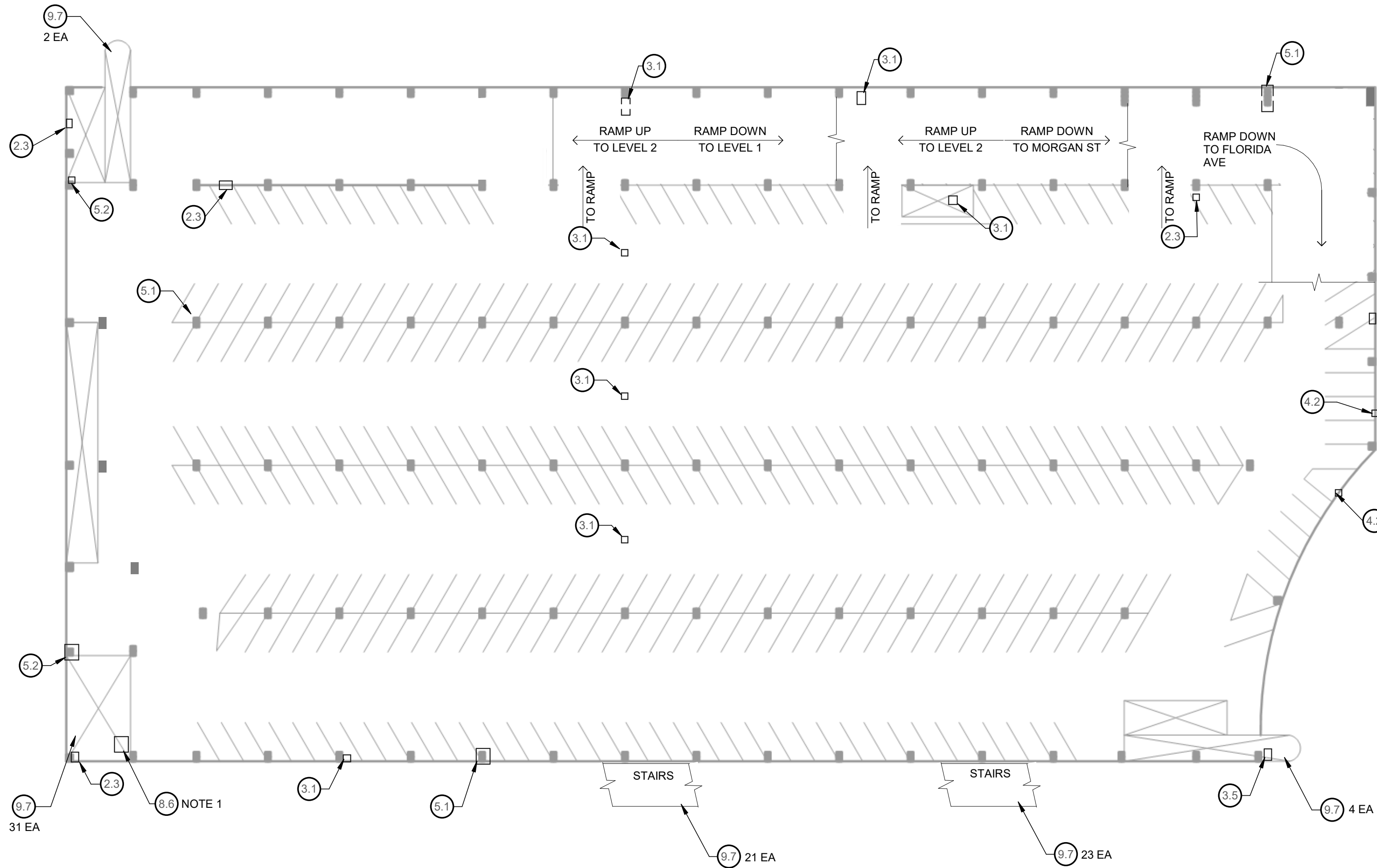
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LEVEL 2 - PLAN

Filename :

Sheet No. :

S1.2



NOTE:
1. COORDINATE WITH ENGINEER TO REVIEW CONCRETE WALL AFTER REMOVAL OF DAMAGED STUCCO.

1 PLAN - LEVEL 2
NO SCALE

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GARAGE HIGH PRIORITY
REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

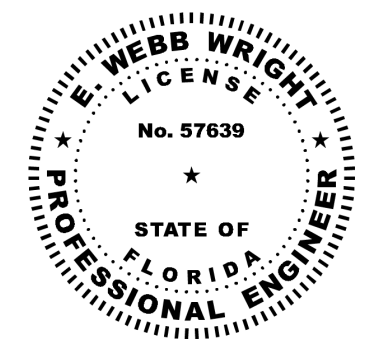
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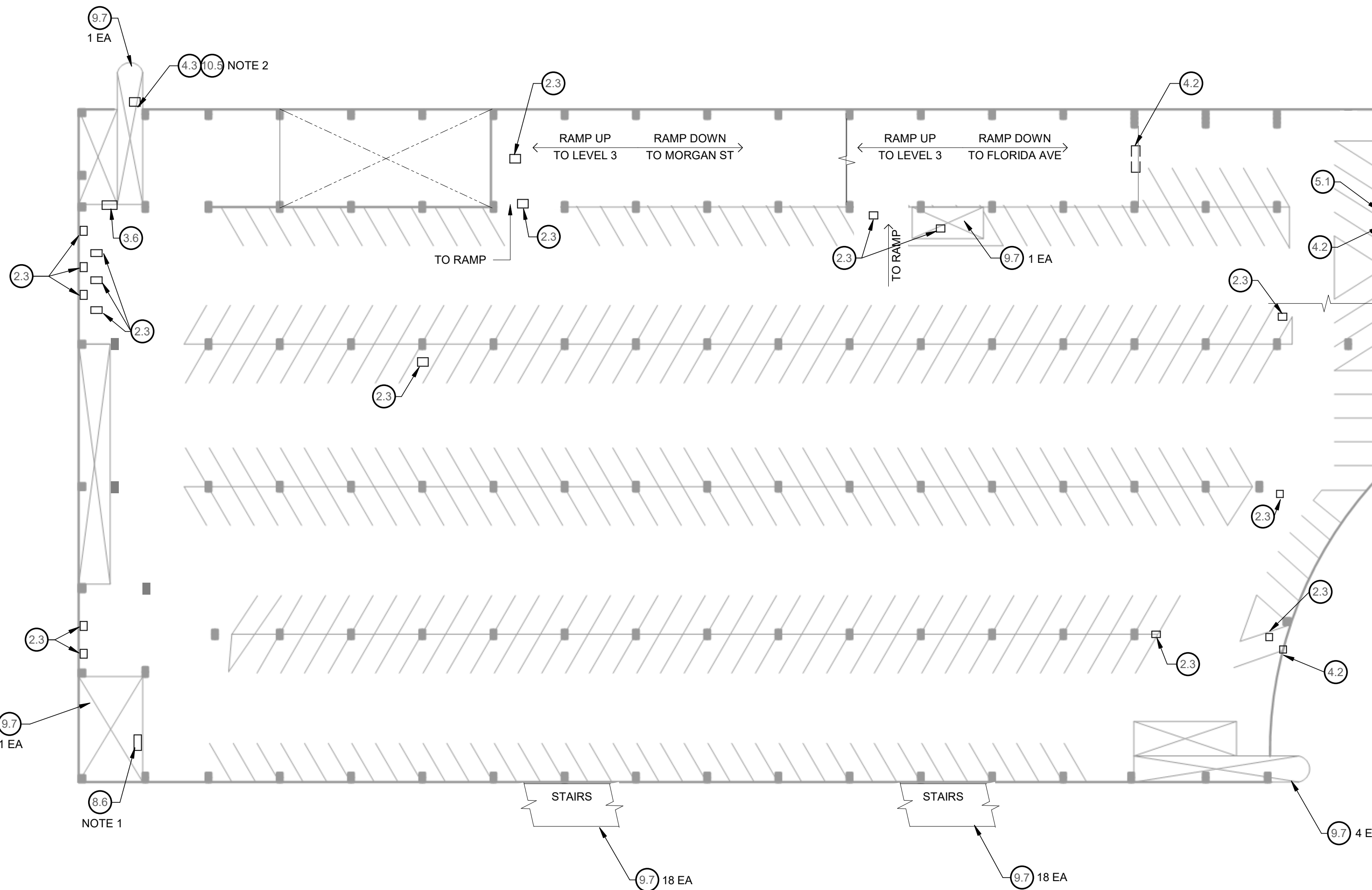
Drawing Title :

LEVEL 3 - PLAN

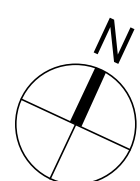
Filename :

Sheet No. :

S1.3



NOTE:
1. COORDINATE WITH ENGINEER TO REVIEW CONCRETE WALL AFTER REMOVAL OF DAMAGED STUCCO.
2. COORDINATE WITH ENGINEER TO REVIEW SECTION LOSS AFTER CLEANING OF CORRODED STEEL.



1 PLAN - LEVEL 3
NO SCALE

\\ORL-SER\PR\Projects\2019\19060-04 COT Pam Iorio PG High Priority WO6\3-Documentation\Drawings\Revit Structure\ID07-19060-04 COT Pam Iorio PG High Priority WO6_Markup_rvt18.rvt



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REPAIRS**

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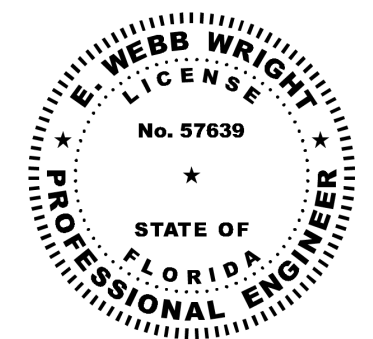
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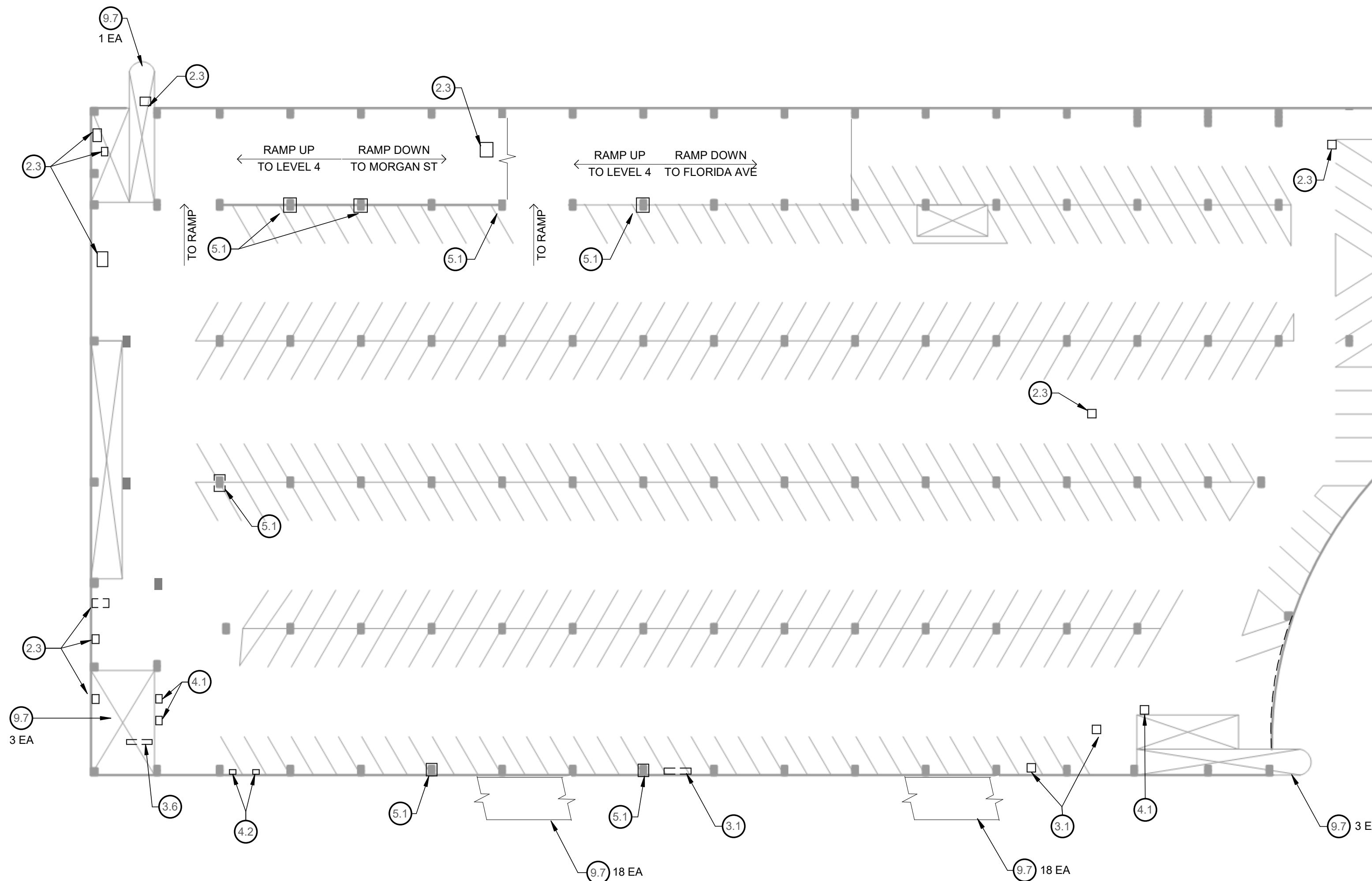
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LEVEL 4 - PLAN

Filename :

Sheet No. :

S1.4



1 PLAN - LEVEL 4
NO SCALE

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REPAIRS**

Client :

CITY OF TAMPA

Issues/Revisions :

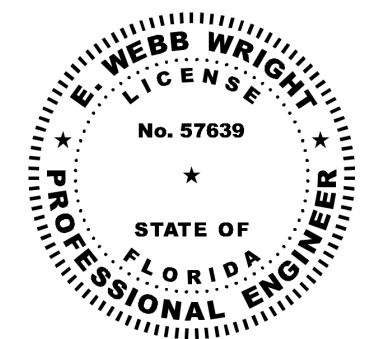
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Approved By : Approver
Checked By : Approver
Drawn By : Author
Checked By : Checker

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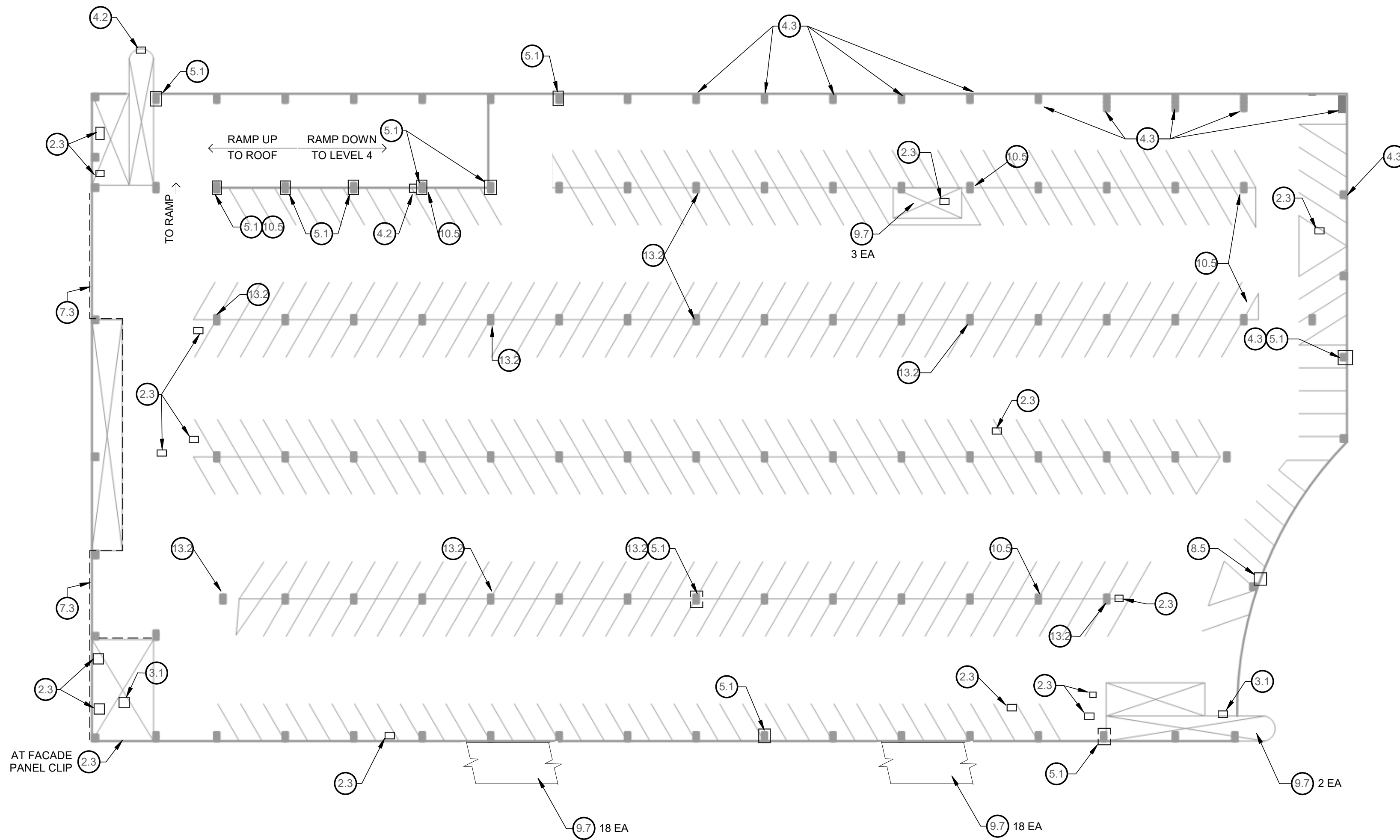
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**ROOF LEVEL -
PLAN**

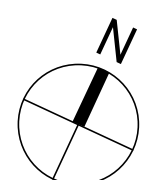
Filename :

Sheet No. :

S1.5



NOTE:
1. COORDINATE WITH ENGINEER TO REVIEW TASK ITEM 13.2 AFTER CLEANING OF CORRODED STEEL.



1

PLAN - ROOF LEVEL

NO SCALE

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Project Name:

WO 6 PAM IORIO PARKING GARAGE HIGH PRIORITY REPAIRS

Client :

CITY OF TAMPA

Issues/Revisions :

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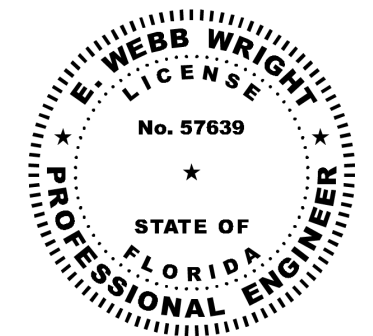
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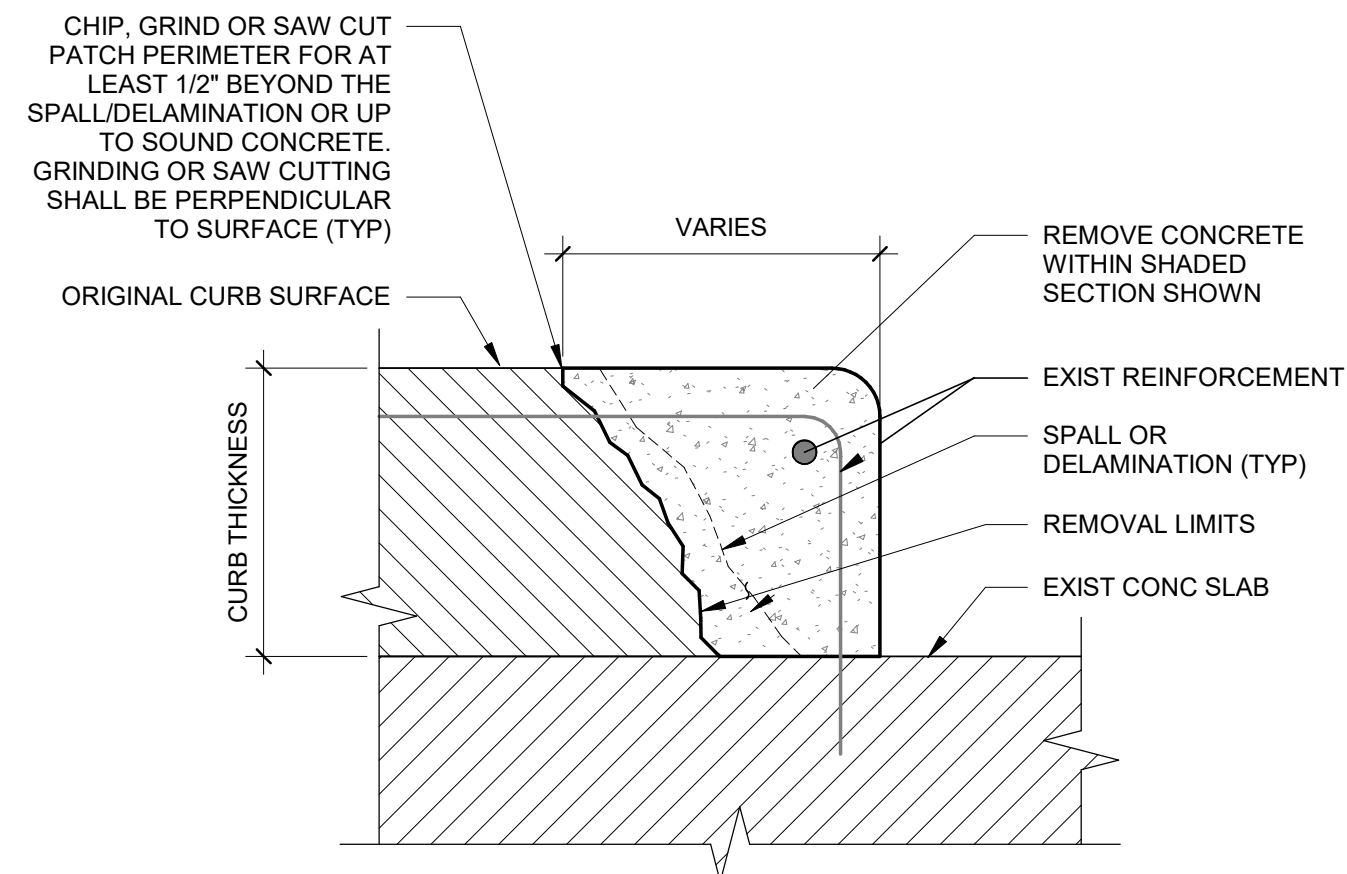
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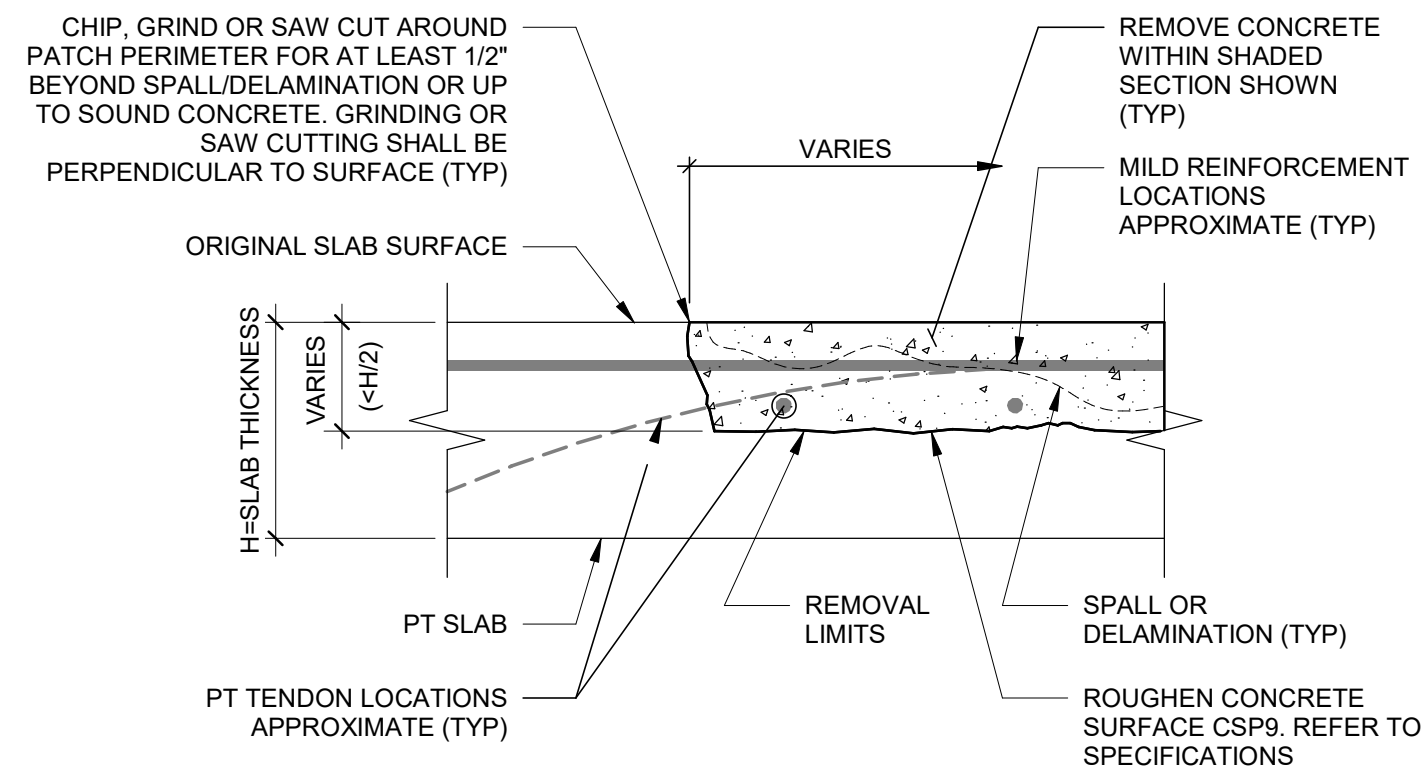
S2.0



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." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
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. NEW PATCH SHALL MATCH EXISTING FINISH. PAINT PATCH TO MATCH EXISTING COLOR.

2 TYPICAL - CONCRETE CURB REPLACEMENT
NO SCALE (TASK ITEM 2.6)



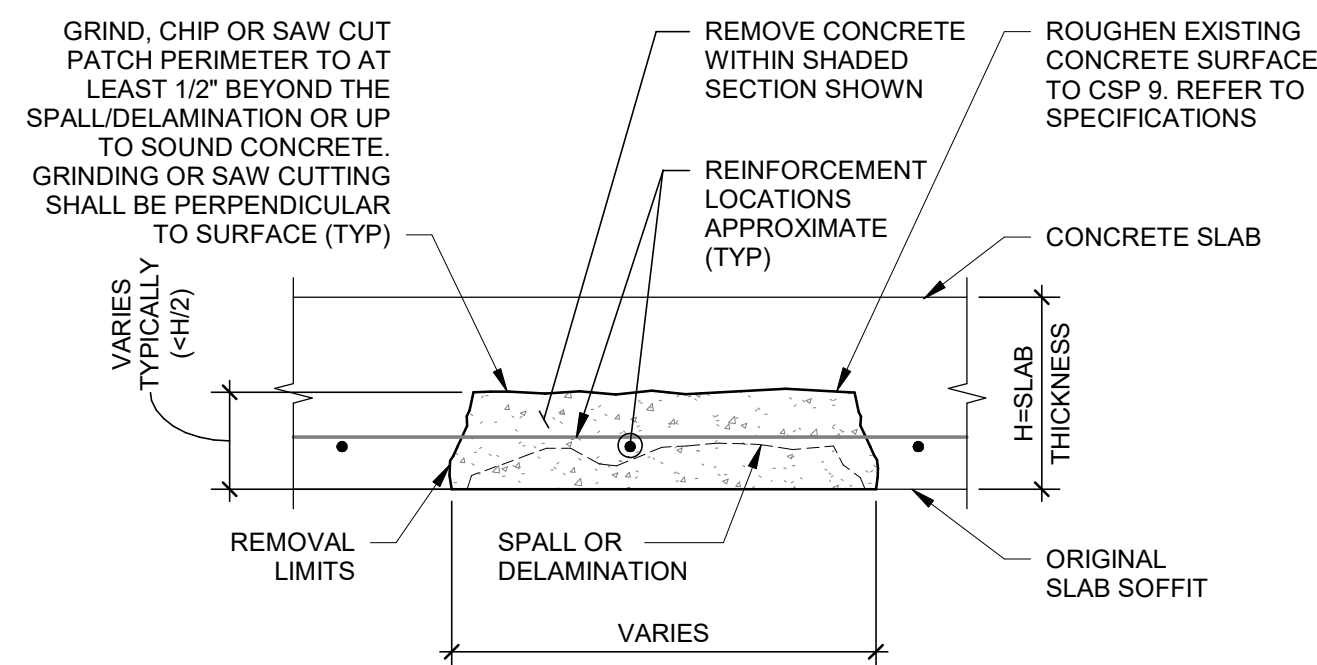
CAUTION:

1. SLAB MAY HAVE EMBEDDED ELECTRICAL CONDUITS IN ADDITION TO PT TENDONS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK (NOTE 1).

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 AND/OR ELECTRICAL CONDUIT. DO NOT CUT OR DAMAGE TENDONS AND CONDUIT.
2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED MILD REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
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. NEW PATCH SHALL MATCH EXISTING FINISH.

1 TYPICAL - CONCRETE FLOOR REPAIR - PARTIAL DEPTH POST-TENSIONED SLABS
NO SCALE (TASK ITEM 2.3)



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." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
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. NEW PATCH SHALL MATCH EXISTING FINISH.

3 TYPICAL - SLAB REPAIR OVERHEAD
NO SCALE (TASK ITEM 3.1)

Project Name:

WO 6 PAM IORIO PARKING GARAGE HIGH PRIORITY REPAIRS

Client :

CITY OF TAMPA

Issues/Revisions :

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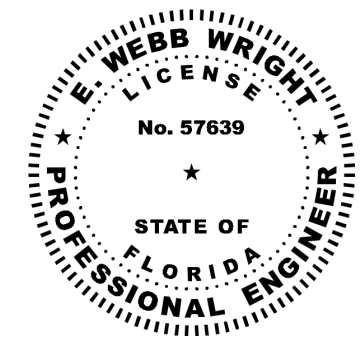
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WW

Drawn By :
MP
Checked By :
YAM

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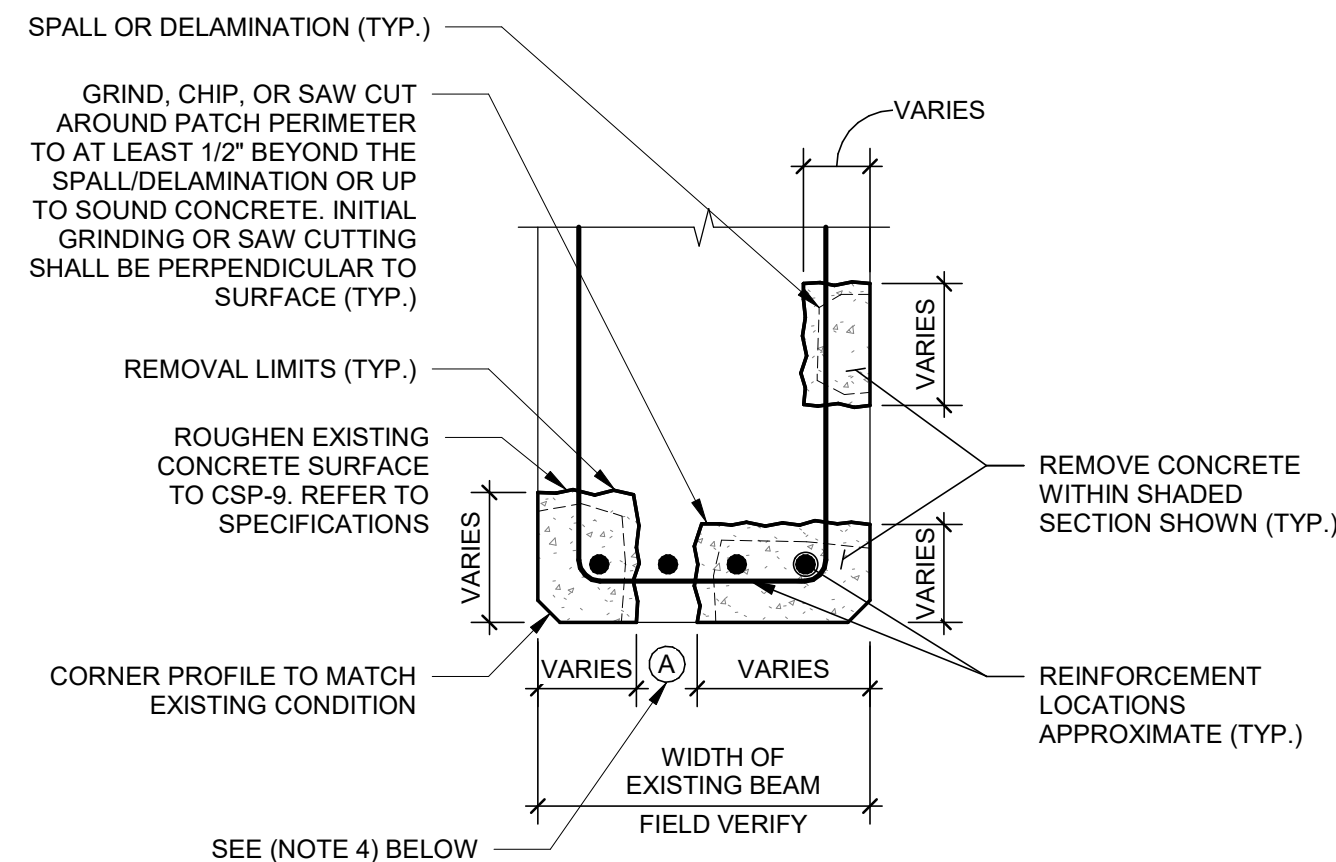
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DETAILS

Filename :

Sheet No. :

S2.1



NOTES:

- PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
- REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
- PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING." FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
- WHERE DIMENSION "A" SHOWN IN DETAIL IS 4" OR LESS, THEN REPAIR ENTIRE WIDTH OF BEAM.
- 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.



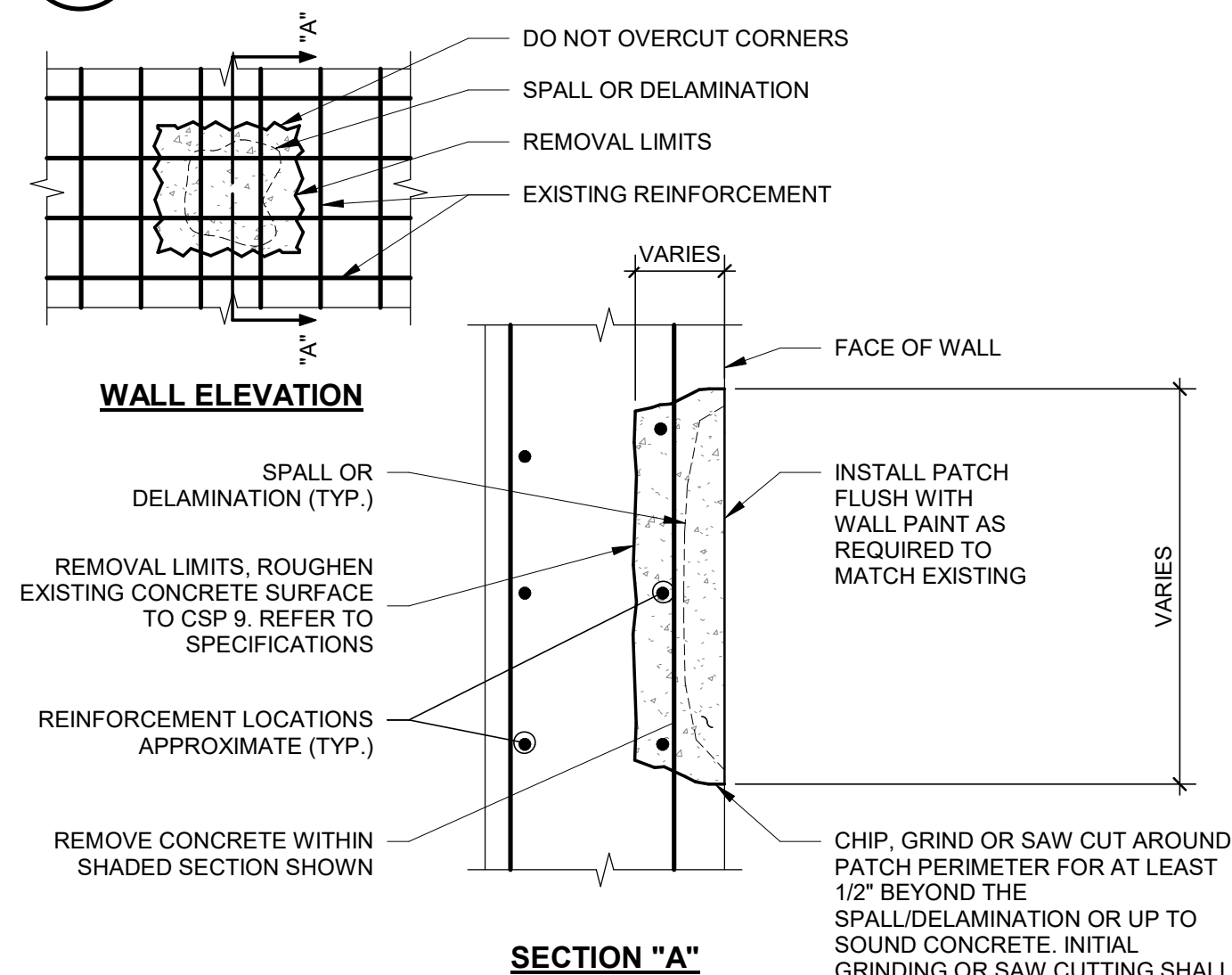
EXISTING CONDITIONS

CONCRETE SPALL & CRACKS

1 NON-POST TENSIONED BEAM REPAIR

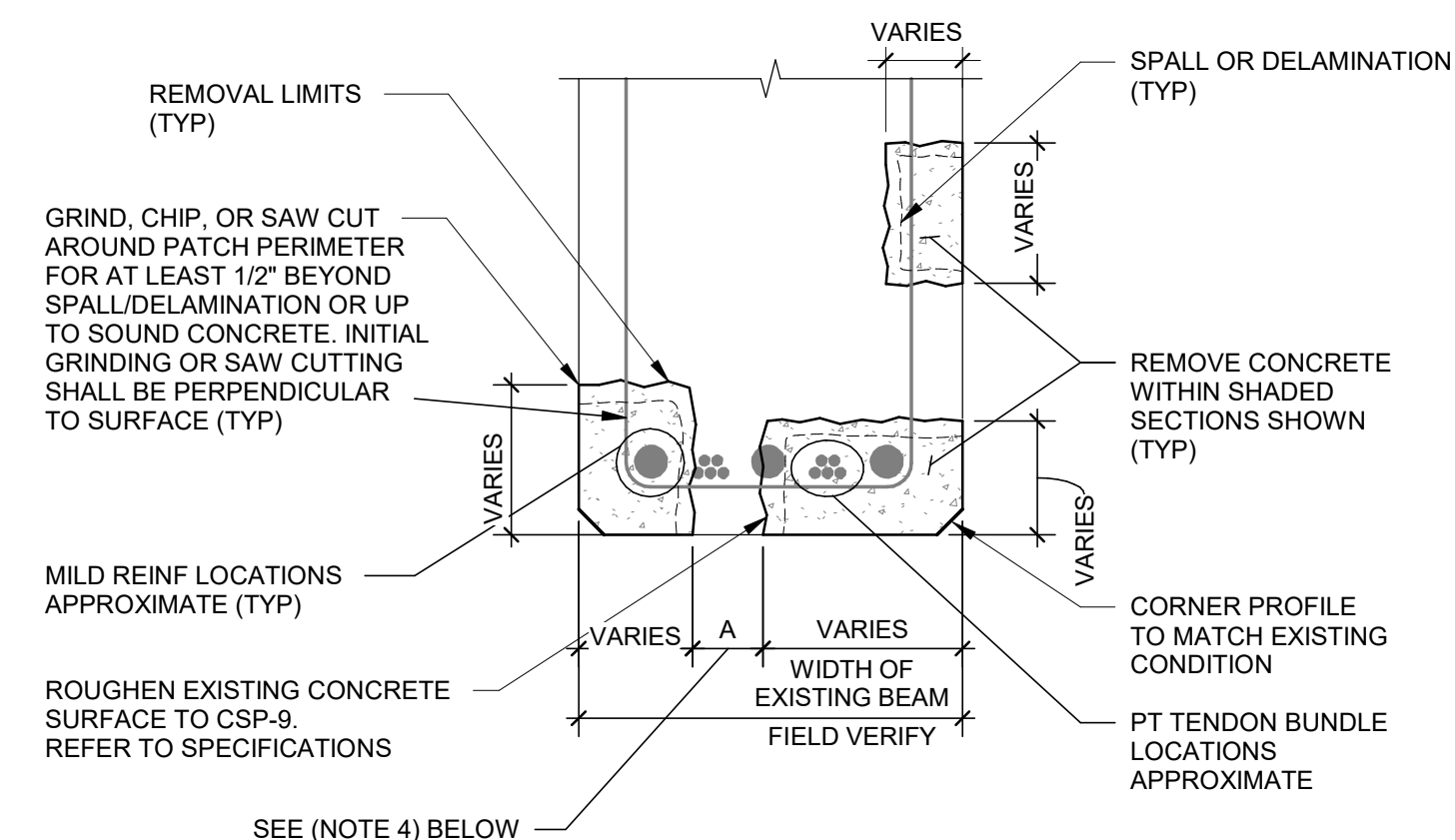
NO SCALE

(TASK ITEM 3.5)



NOTES:

- PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
- REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
- PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
- 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.
- NEW PATCH SHALL MATCH EXISTING FINISH.



NOTES:

- 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.
- REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. REPAIR DAMAGED TENDON SHEATHING. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
- PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED MILD REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING."
- 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.

3 TYPICAL - CONCRETE WALL REPAIR

NO SCALE

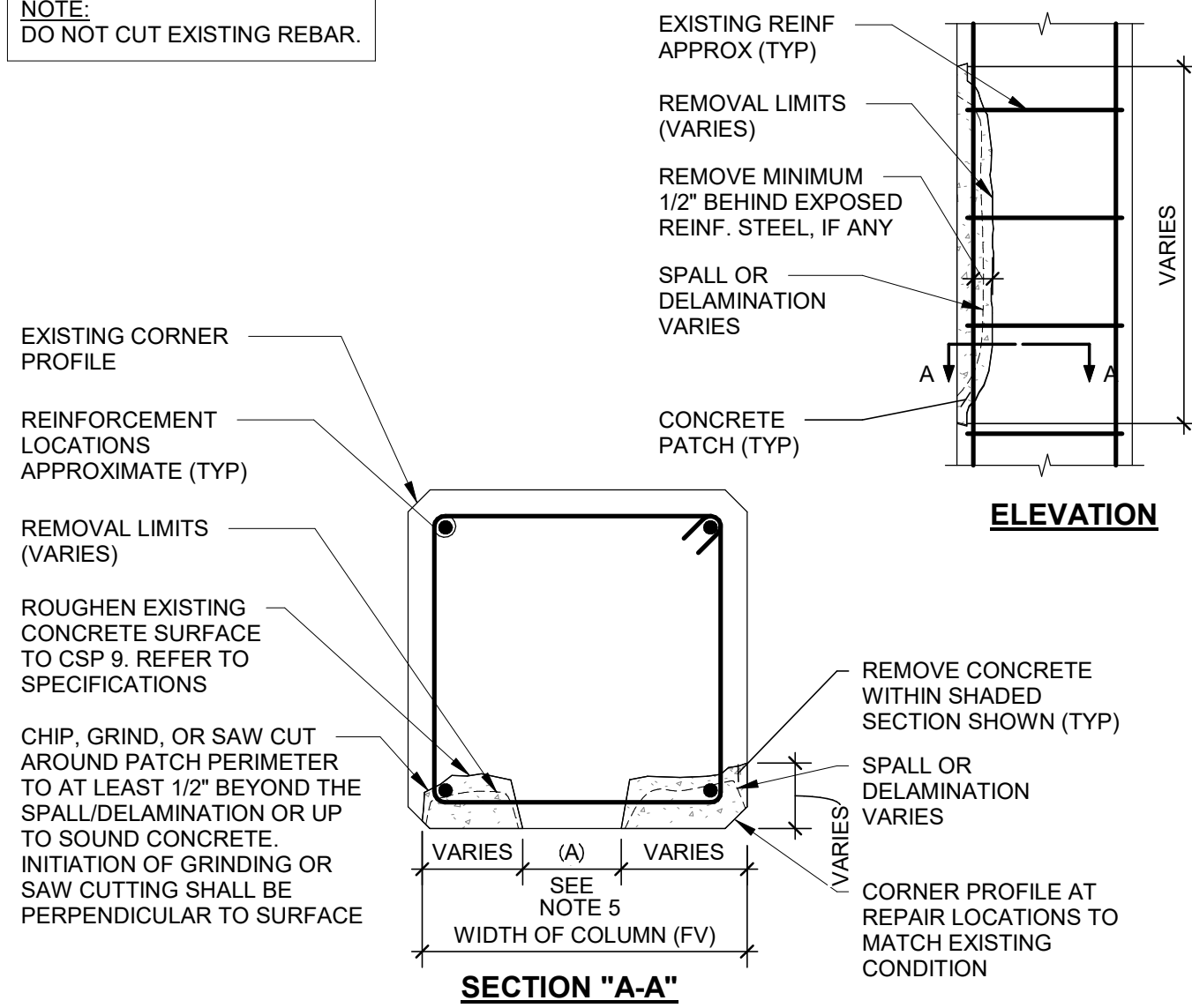
(TASK ITEMS 4.1, 4.2)

2 TYPICAL - POST-TENSIONED BEAM REPAIR

NO SCALE

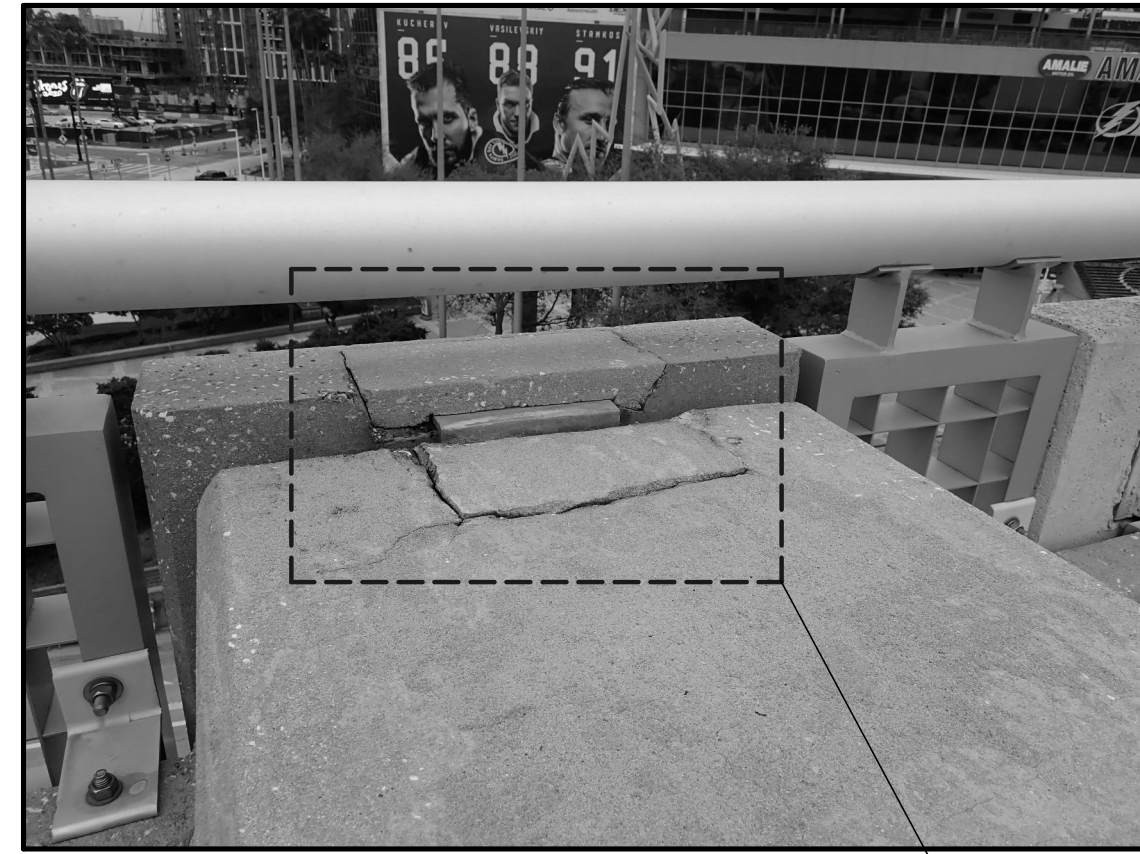
(TASK ITEM 3.6)

NOTE:
DO NOT CUT EXISTING REBAR.



- 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.

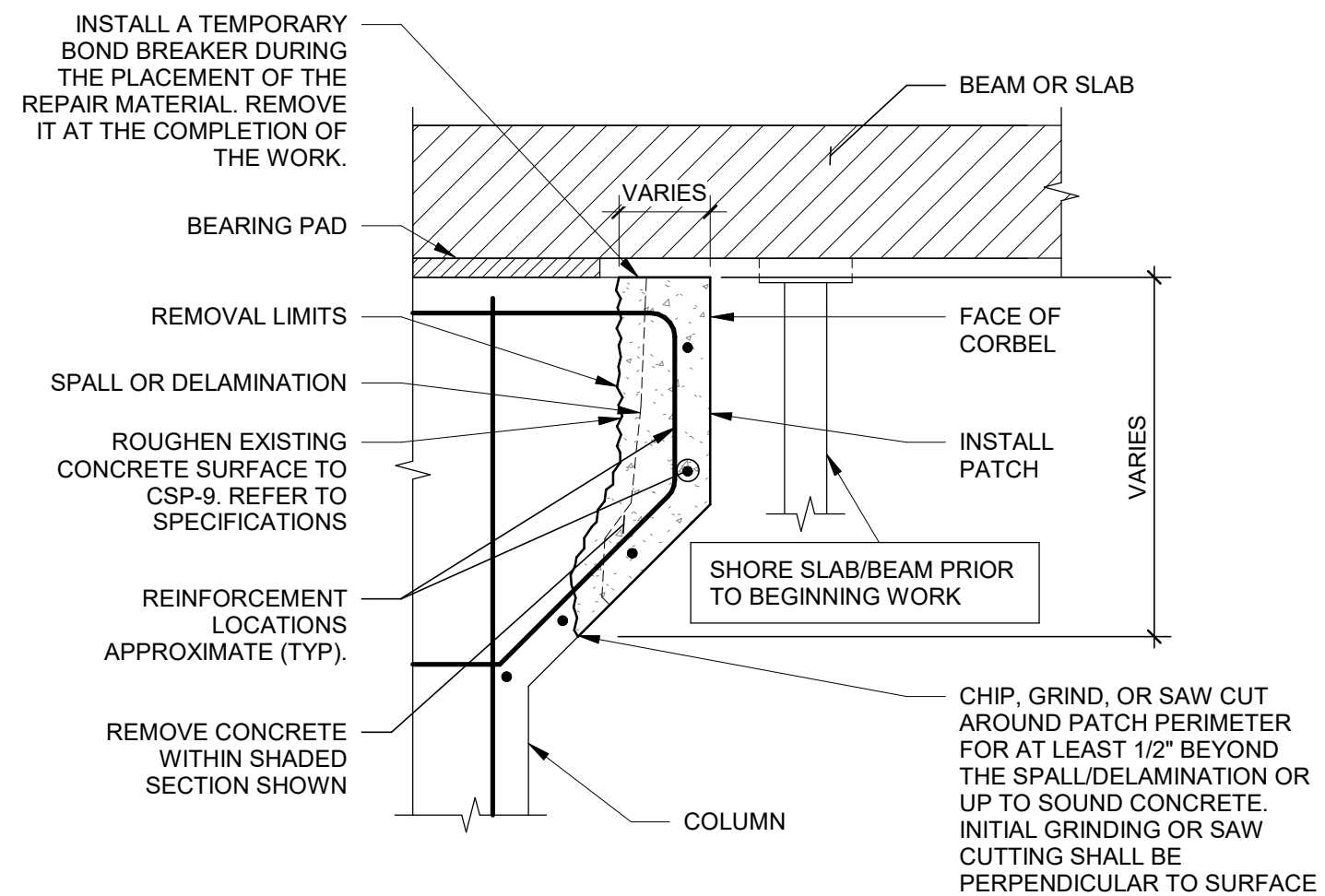
2 TYPICAL - COLUMN REPAIR
NO SCALE (TASK ITEM 5.1)



TYPICAL EXISTING CONDITION

- NOTES:
1. REMOVE CONCRETE SPALLS AND DELAMINATIONS.
 2. REFER TO SECTION "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
 3. INSTALL NEW CONCRETE PATCH.
 4. NEW PATCH SHALL MATCH EXISTING FINISH.

1 GROUT POCKET REPAIR
NO SCALE (TASK ITEM 4.3)



- 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. NEW PATCH SHALL MATCH EXISTING FINISH.
 6. SEE GENERAL NOTES FOR SHORING REQUIREMENTS.

3 TYPICAL - CORBEL REPAIR
NO SCALE (TASK ITEM 5.2)



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 6 PAM IORIO PARKING GARAGE HIGH PRIORITY REPAIRS

Client :

CITY OF TAMPA

Issues/Revisions :

PERMIT SET

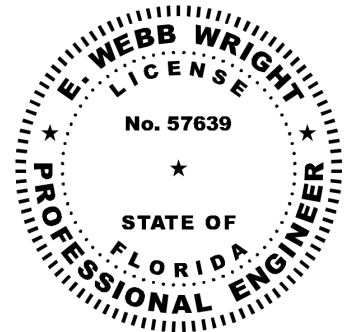
No.	Date	Description
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2	01/18/21	Issued for Permit

Project Number : D07.19060.04
Approved By : WW

Drawn By : MP
Checked By : YAM

Certification Statement :
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE 2020 FLORIDA BUILDING CODE.

Seal and Signature :



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

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S2.2



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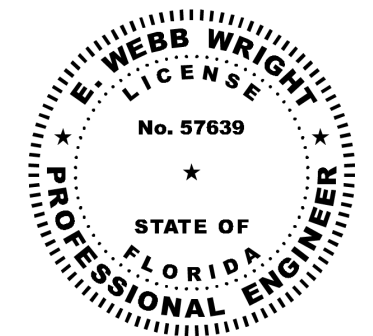
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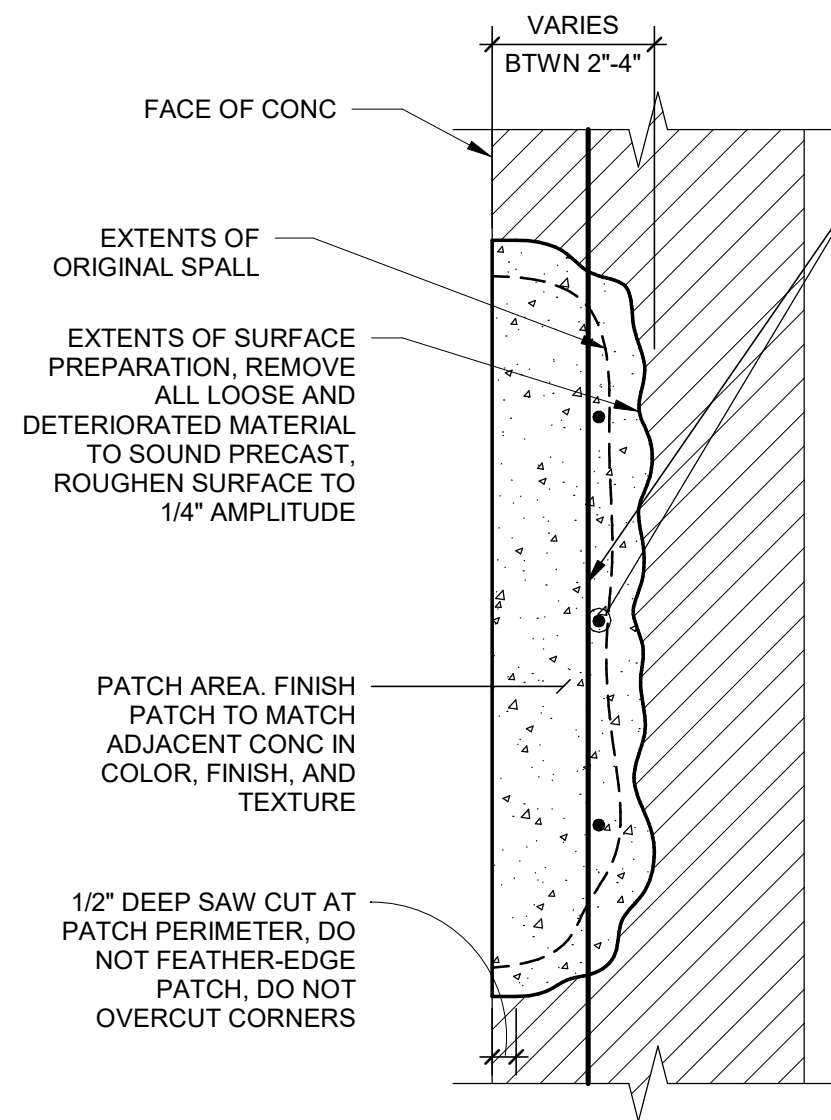
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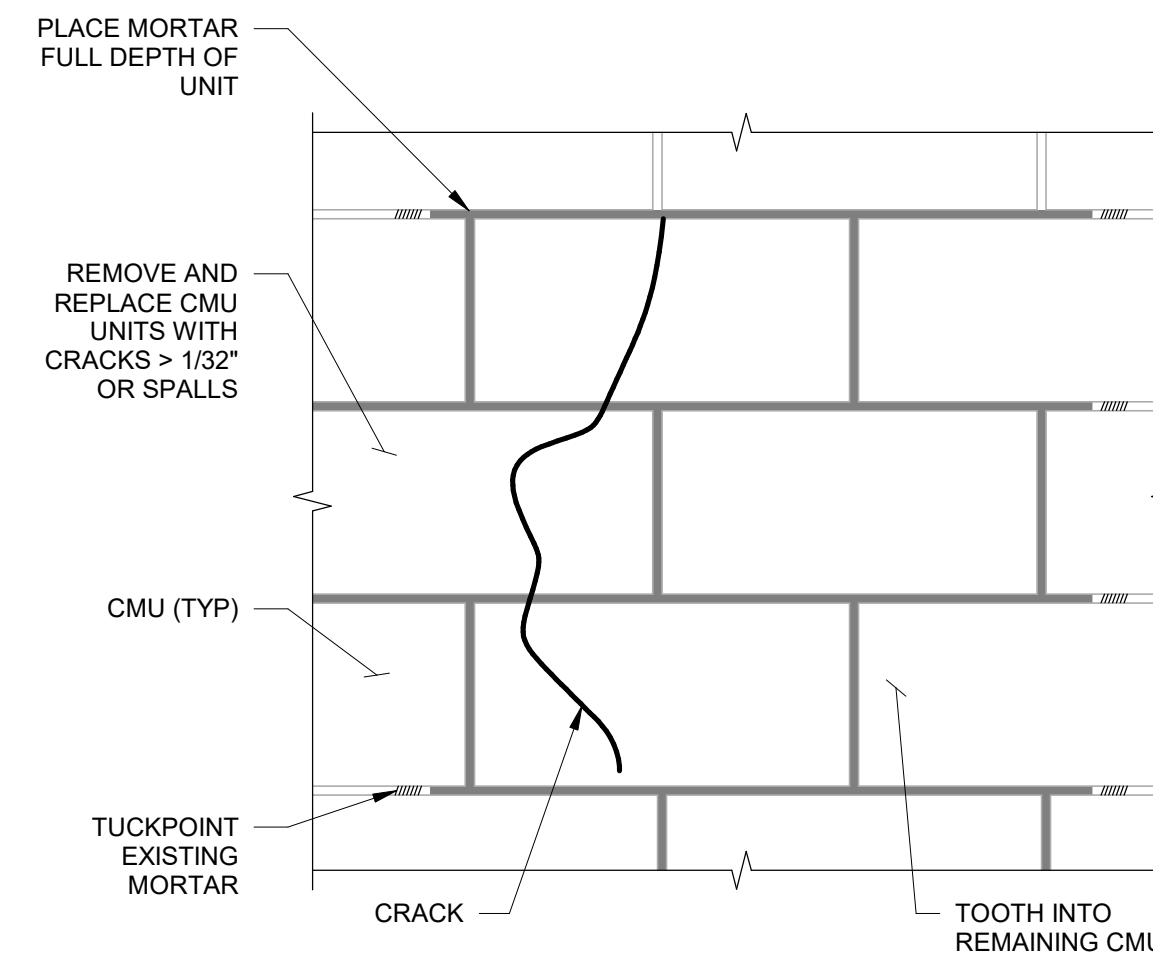
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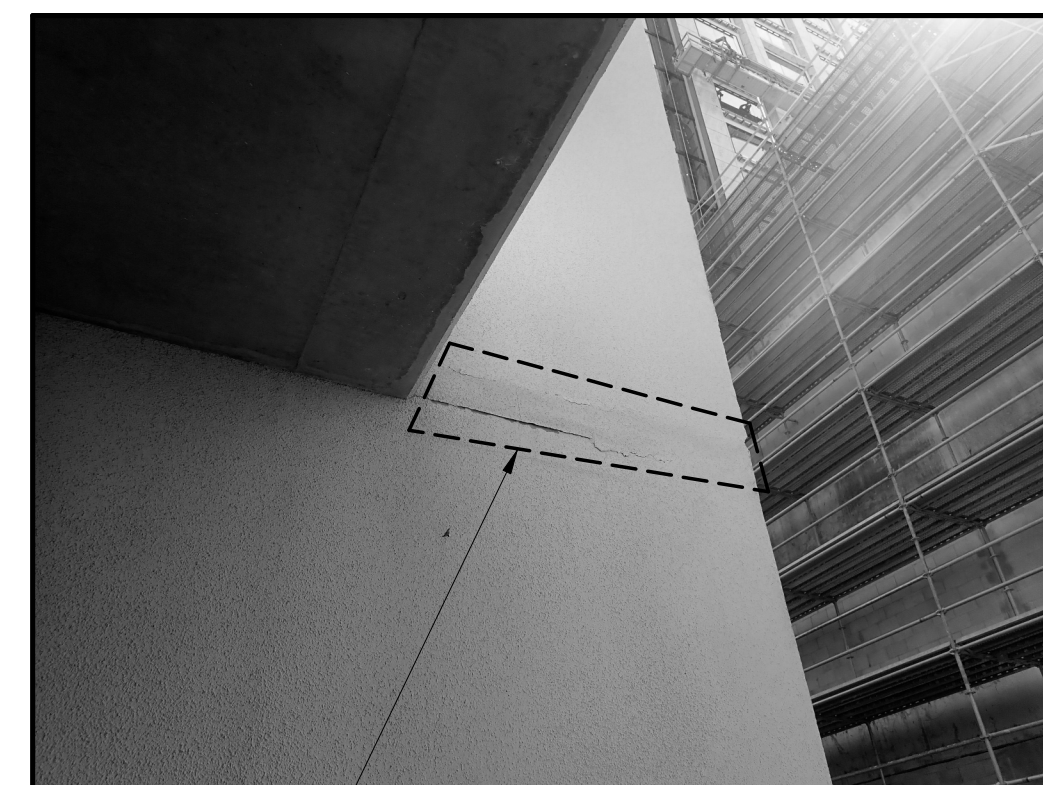
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 3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION "SURFACE PREPARATION FOR PATCHING". FINAL SURFACE PREPARATION SHALL BE ABRASIVE BLAST.
 4. WHERE REINFORCEMENT IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 10% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.

2 TYPICAL - PRECAST SPALL REPAIR
NO SCALE (TASK ITEM 8.5)



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

1 TYPICAL - CMU REPLACEMENT
NO SCALE (TASK ITEM 8.2)



REMOVE AND REPLACE CRACKED AND DELAMINATING STUCCO PER TASK ITEM 8.6

EXISTING CONDITION

- NOTES:
1. COORDINATE WITH ENGINEER TO REVIEW CONCRETE WALL AFTER REMOVAL OF DAMAGED STUCCO.
 2. PATCH SHALL MATCH TEXTURE OF SURROUNDING, EXISTING STUCCO.
 3. PAINT PATCH TO MATCH EXISTING FINISH.

3 STUCCO FACADE REPAIR
NO SCALE (TASK ITEM 8.6)



Project Name:

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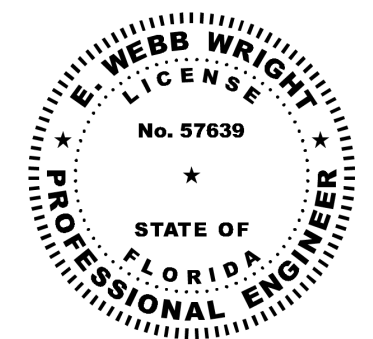
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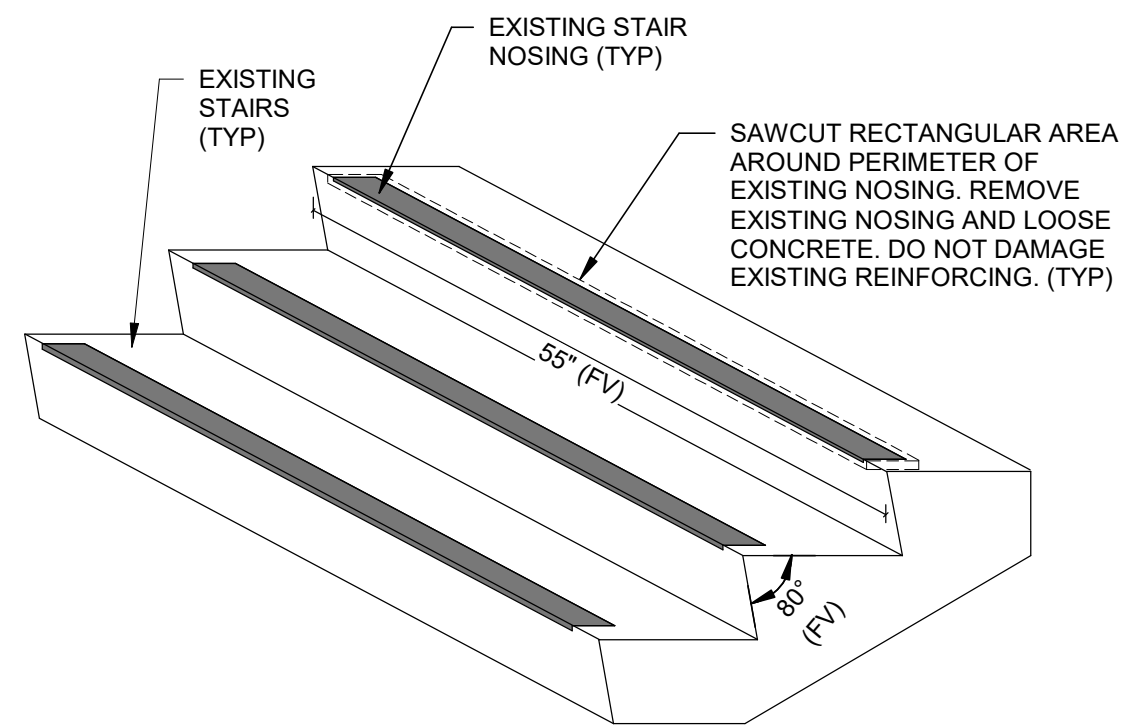
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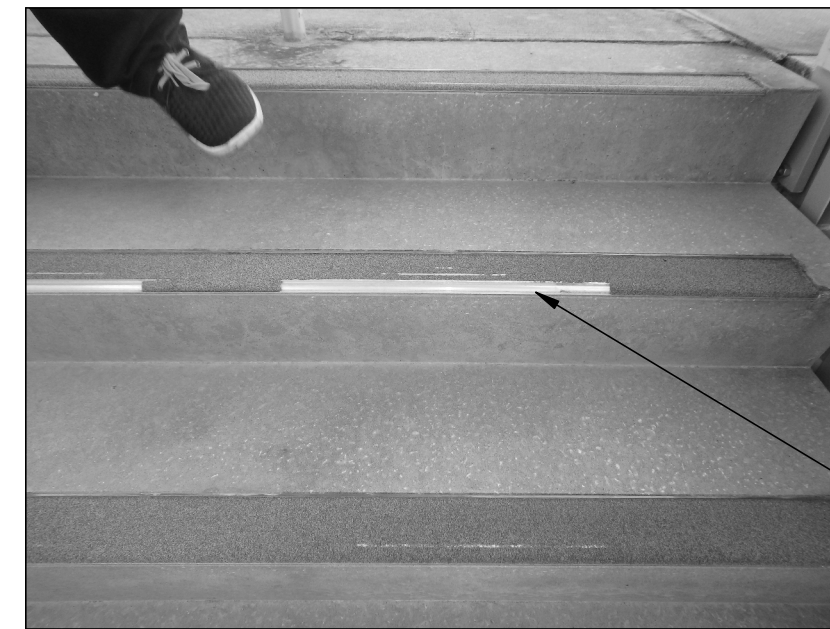
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S2.4



NOTES:

- CONTRACTOR SHALL MARK LOCATION AND AMOUNT OF DAMAGED NOSINGS TO REPLACE AND SHALL REPORT TO ENGINEER OF RECORD, PRIOR TO COMMENCEMENT OF WORK.
- REFER TO NOTES ON 1/S2.4 FOR INITIAL MOCKUP OF STAIR NOSING DEMOLITION AND INSTALLATION.
- CONTRACTOR SHALL COORDINATE MAINTENANCE OF PEDESTRIAN TRAFFIC DURING REPAIR OF STAIRWAYS WITH OWNER.



TYPICAL STAIR NOSING TO BE REPLACED

STAIR NOSING REPLACEMENT NOTES:

- CONTRACTOR SHALL LOCATE, QUANTIFY AND MARK DAMAGED NOSINGS FOR REPLACEMENT AND REPORT TO ENGINEER OF RECORD PRIOR TO COMMENCEMENT OF WORK. ENGINEER WILL REVIEW AND MAY MARK ADDITIONAL NOSINGS FOR REMOVAL AND REPLACEMENT.
- CONTRACTOR SHALL PROVIDE A PERFORMANCE MOCKUP AT START OF WORK IN ACCORDANCE WITH THE FOLLOWING REQUIREMENT:
 - ENGINEER WILL SELECT TWO REPRESENTATIVE STAIR LOCATIONS TO RECEIVE NEW STAIR NOSING.
 - AT ONE LOCATION, REMOVE EXISTING STAIR NOSING AND PREPARE EXPOSED SURFACE.
 - AT SECOND LOCATION, REMOVE EXISTING STAIR NOSING, PREPARE EXPOSED SURFACE, APPLY NEW EPOXY MORTAR, AND INSTALL NEW STAIR NOSING.
 - REMOVE AND REAPPLY MOCKUPS UNTIL THEY ARE APPROVED BY OWNER, ENGINEER AND MANUFACTURER.
 - KEEP APPROVED MOCKUPS UNDISTURBED DURING CONSTRUCTION AS A STANDARD FOR JUDGING COMPLETED STAIR NOSING REPLACEMENT. UNDAMAGED MOCKUPS MAY BE INCORPORATED INTO THE WORK.

2

STAIR NOSING DEMOLITION

NO SCALE

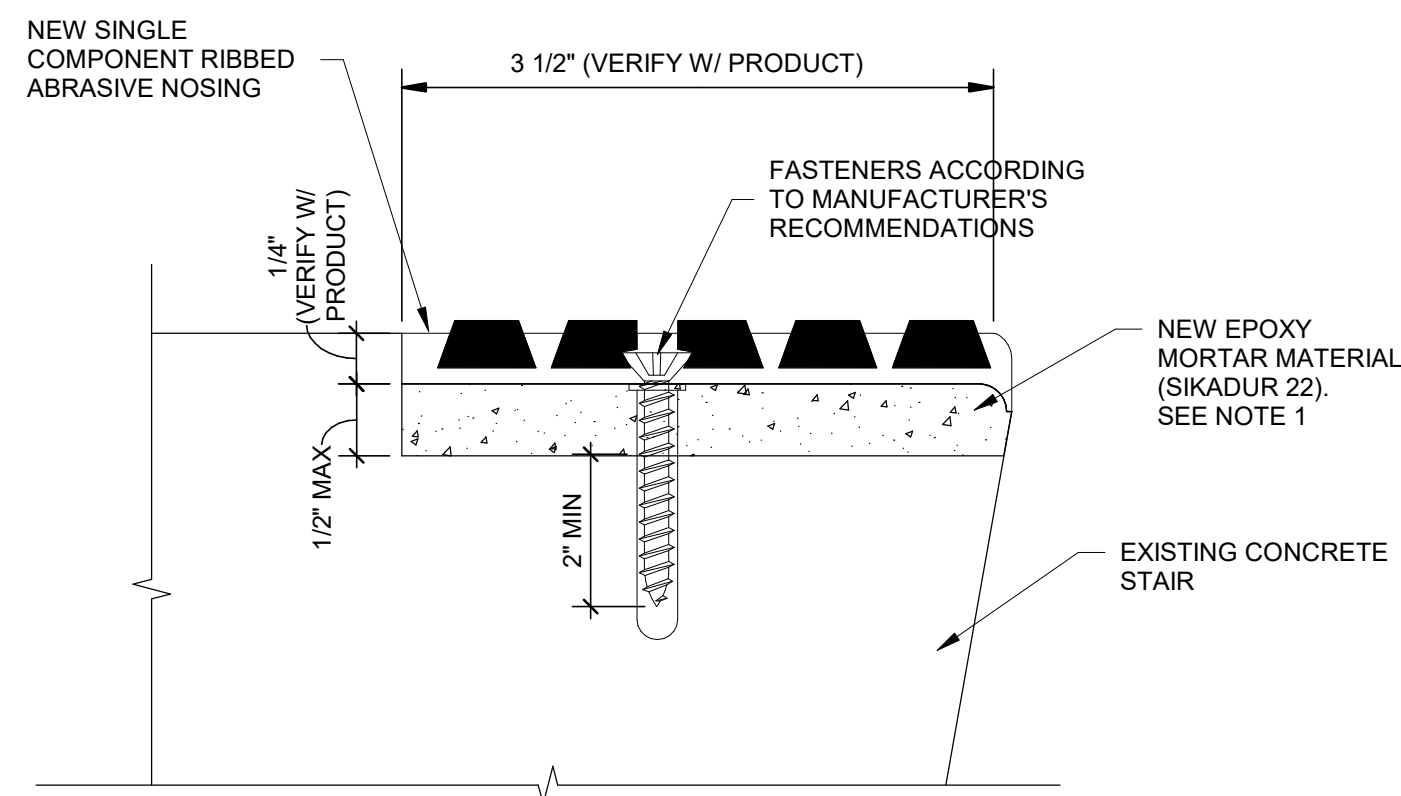
(TASK ITEM 9.7)

1

STAIR NOSING EXISTING CONDITION

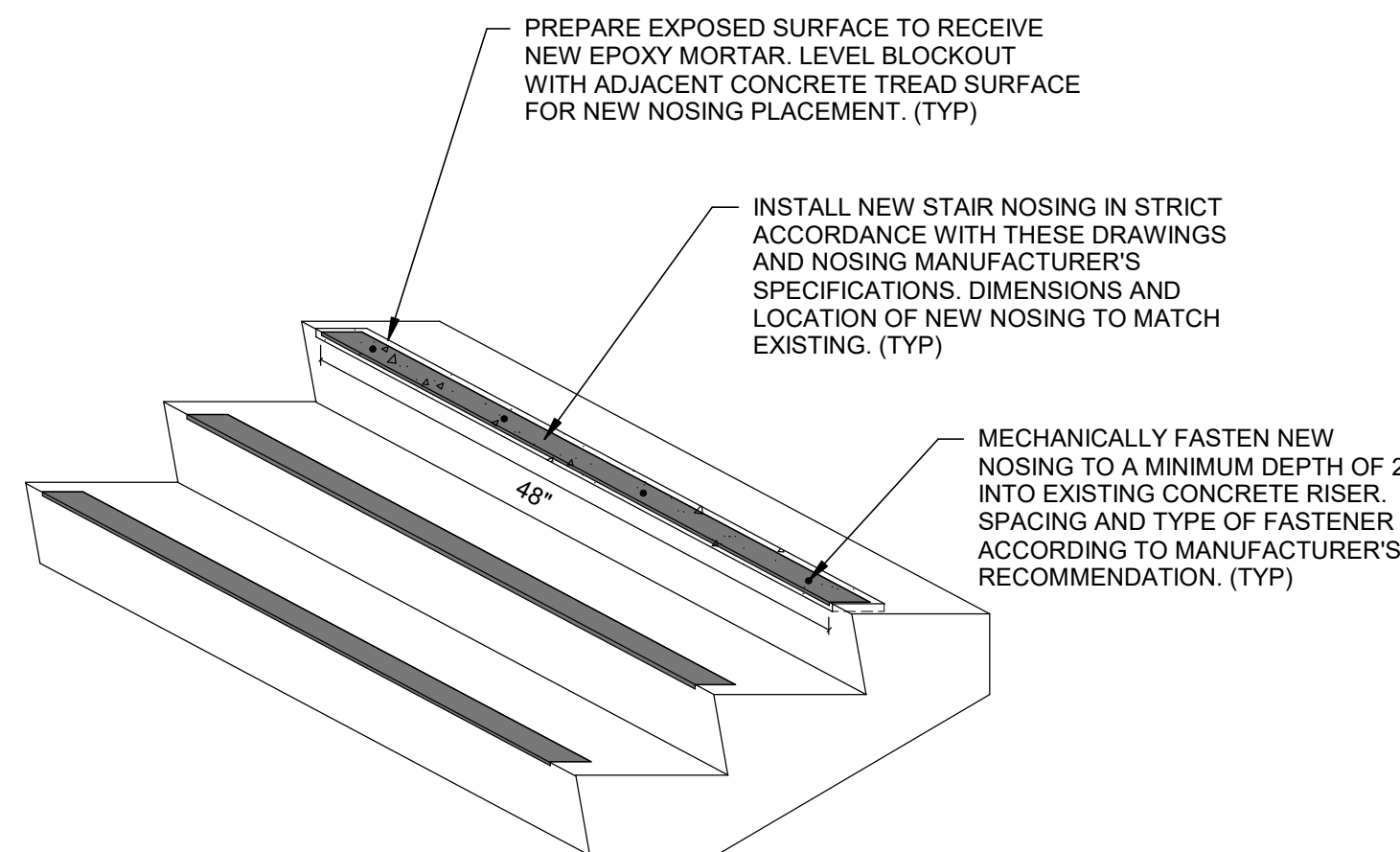
NO SCALE

(TASK ITEM 9.7)



NOTES:

- INSTALL SIKADUR 22 EPOXY, OR APPROVED EQUAL, NEAT OR AS A MORTAR UP TO A MAXIMUM DEPTH OF 1/2". INSTALL IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION FOR SURFACE PREPARATION AND APPLICATION. VERIFY THICKNESS LIMITATIONS OF APPLYING EPOXY NEAT OR AS MORTAR WITH MANUFACTURER.



NOTES:

- ABRASIVE BLAST AND PREPARE SURFACE OF CONCRETE TO RECEIVE NEW SIKADUR 22 EPOXY MORTAR IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- FILL CAVITY WITH EPOXY MORTAR TO CREATE BLOCKOUT FOR NEW NOSING SUCH THAT THE TOP OF THE NEW NOSING WILL SIT LEVEL WITH THE ADJACENT STAIR TREAD SURFACE. APPLY IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- NEW SINGLE COMPONENT STAIR NOSING BY NYSTROM (MODEL C3D) OR BALCO (MODEL R-315) SHALL BE SET IN FRESH EPOXY MORTAR AND HELD IN PLACE UNTIL INITIAL SET. THE NOSING SHALL BE MECHANICALLY FASTENED AFTER EPOXY IS FULLY CURED. INSTALL NOSING IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL DIMENSIONS AND COLORS TO MATCH EXISTING.
- CLEAN ANY SPILLAGE FOLLOWING COMPLETION OF WORK.
- SUBMIT MANUFACTURER'S TECHNICAL DATA TO ENGINEER FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION.

4

STAIR NOSING SECTION

NO SCALE

(TASK ITEM 9.7)

3

STAIR NOSING INSTALLATION

NO SCALE

(TASK ITEM 9.7)

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EXISTING CONDITION

- NOTES:
- CLEAN AND COAT CORRODED STEEL, AND REPLACE AND TIGHTEN NUTS AND WASHERS IN ACCORDANCE WITH TASK ITEM 13.2. REFER TO SECTION "TASK ITEMS" FOR SPECIFIC DETAILS.
 - COORDINATE WITH ENGINEER TO REVIEW EXISTING CONDITION AFTER CLEANING OF CORRODED STEEL.

1 LIGHT POLE BASE PLATE REPAIR
NO SCALE (TASK ITEM 13.2)



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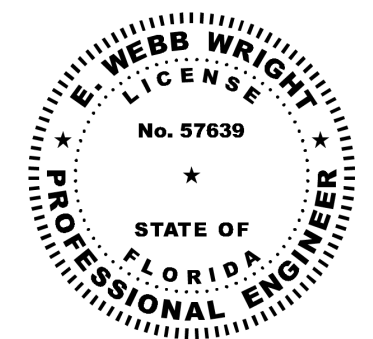
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