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Please Email ALL Questions:
[MailTo:ContractAdministration@TampaGov.net](mailto:ContractAdministration@TampaGov.net)

Please Let Us Know If You Plan To Bid

City of Tampa
Contract Administration Department
306 E. Jackson St. #280A4N
Tampa, FL 33602
(813)274-8456

D.L. TIPPIN WATER TREATMENT FACILITY REPAIRS TO HISTORIC FILTER BUILDING

7125 N. 30th Street
Tampa, FL 33610

WALTER P MOORE

WALTER P. MOORE AND ASSOCIATES, INC.
300 SOUTH ORANGE AVENUE, SUITE 875
ORLANDO, FLORIDA 32801.3332
PHONE: 407.418.2218 FAX: 407.418.2257

City of Tampa
CONSTRUCTION SERVICES DIVISION

PLAN APPROVAL
Sep 29, 2016

THIS SET OF PLANS MUST BE KEPT ON
THE JOB AT ALL TIMES
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alterations without written approval
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Services Division.
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of any City or State Codes
REVIEWED FOR CODE COMPLIANCE

PROJECT NAME
D.L. TIPPIN WATER
TREATMENT FACILITY
REPAIRS TO HISTORIC
FILTER BUILDING

CLIENT
CITY OF TAMPA
WATER DEPARTMENT

CERTIFICATE OF AUTHORIZATION No. 3818

JAVIER BALMA, PH.D., P.E.
FL PE LICENSE No. 69683

NO.	DATE	DESCRIPTION
.	01/05/2015	75% PROGRESS SET
	05/12/2015	90% PROGRESS SET
	05/16/2016	95% PROGRESS SET
	08/15/2016	100% SET

DESIGNED BY JB

REVIEWED BY RMB

DRAWN BY EP

PROJECT NUMBER D07.14008.01

DATE 08/15/2015

SHEET TITLE

COVER AND
SHEET INDEX

SHEET NUMBER

COVER

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SHEET INDEX

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1 MAIN ENTRY
NTS

APPROVED
By Ricardo J Colon at 2:42 pm, Sep 28, 2016

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SHEET TITLE

SITE PLAN AND TASK ITEM LIST

SHEET NUMBER

S0.1

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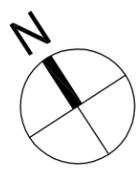
MAIN ENTRY



ANY CHANGES TO THESE DRAWINGS MUST BE APPROVED BY THE A.R.C.

TASK ITEMS (T.I.)	
T.I. #	DESCRIPTION
1.1	MOBILIZATION/GENERAL CONDITIONS/PERMITS
1.2	CONCRETE FORMWORK
1.3	LEAD ABATEMENT
2.3	PARTIAL DEPTH CONCRETE FLOOR REPAIR
3.1	OVERHEAD CONCRETE SLAB REPAIR
3.5	CONCRETE FLOOR BEAM REPAIR
3.6	EXTERIOR CONCRETE BEAM REPAIR
4.1	CONCRETE WALL REPAIR
7.5	COVE SEALANT INSTALLATION
7.6	EPOXY INJECTION
7.8	EXTERIOR BEAM COATING
7.9	WALL COATING REPLACEMENT
8.6	PLASTER REPAIR
10.1	CAST STONE RESTORATION

REFER TO SPECIFICATION SECTION 011000 FOR DESCRIPTION OF TASK ITEMS



1

SITE PLAN

NTS

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD_Sheets\S01.dwg

GENERAL NOTES

I. DESIGN CRITERIA

A. GENERAL BUILDING CODE

- The Repair Documents are based on the requirements of the Florida Building Code 2014, 5th Edition.

243. 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.
- Engineer may require a particular non-destructive evaluation method for the location of embedded items.

III. CONCRETE REPAIRS

A. CONCRETE REPAIR MATERIALS

- All concrete shall conform to the requirements as specified in Specification Section 030105 "Concrete Repair Materials."
- 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.

IV. 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 and start of product installation.
- The contract repair 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.
- Refer to drawings of existing facility (other than Repair drawings) for complete information including: size of structural members (beams, columns, walls, etc.), slab thickness, and other information relevant to the project.
- 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

- 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 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.

- 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 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.

- The Contractor shall perform a survey to locate all existing utilities (including underground utilities, if required) 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.

- 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, facility patrons, and other persons during construction. Such measures shall include, but not limited to temporary bracing, shoring, formwork, and protective enclosures.

- 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.

D. RESPONSIBILITY OF THE CONTRACTOR FOR STABILITY OF THE STRUCTURE DURING CONSTRUCTION

- 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. RESPONSIBILITY OF THE CONTRACTOR FOR CONSTRUCTION LOADS

- The repairs have been designed for the loads identified within these repair drawings that are anticipated to be applied to the structure once repair work is completed. The Contractor shall not overload the structure during construction. The Contractor shall be responsible for checking the adequacy of the structure to support any applied construction loads, including those due to construction vehicles or equipment, material handling or storage, shoring or reshoring, or any other construction activity. The Contractor shall submit calculations signed and sealed by an engineer licensed in the state where the project is located verifying the adequacy of the structure for any proposed construction loads that are in excess of the stated design loads. The Engineer is not responsible to design or check the structure for loads applied to the structure for any construction activity.

F. MAINTENANCE STATEMENT

- 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.

V. DRAWING INTERPRETATION

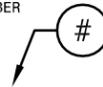
A. DRAWING VIEWS LABELED AS "TYPICAL"

- 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 keyed in at each location. Decisions regarding applicability of these "Typical" views shall be determined by the Engineer.

B. STRUCTURAL ABBREVIATIONS, SYMBOLS, AND NOTATIONS

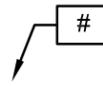
#	NUMBER
CSP	CONCRETE SURFACE PROFILE
EA	EACH
FV	FIELD VERIFY
LF	LINEAR FEET
LS	LUMP SUM
MANU	MANUFACTURER
MAX	MAXIMUM
MIN	MINIMUM
NTS	NOT TO SCALE
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATIONS/SPECIFIED
TI	TASK ITEM
TYP	TYPICAL

TASK ITEM NUMBER



REFER TO SPECIFICATION SECTION 011000 FOR TASK ITEM DESCRIPTIONS

PHOTO NUMBER



REFER TO SHEETS S4.1 TO S4.6 FOR PHOTOS

LEAD ABATEMENT

100% lead abatement will be required when performing work for Task Items 3.1, 3.5, 4.1, and 7.8.

All lead abatement work shall be performed in accordance with all OSHA, EPA, and FDEP standards and regulations.

All lead abatement work is incidental to Task Items listed above.

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CLIENT

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08/15/2016	100% SET	

DESIGNED BY JB

REVIEWED BY RMB

DRAWN BY EP

PROJECT NUMBER D07.14008.01

DATE 08/15/2015

SHEET TITLE

GENERAL NOTES

SHEET NUMBER

S0.2

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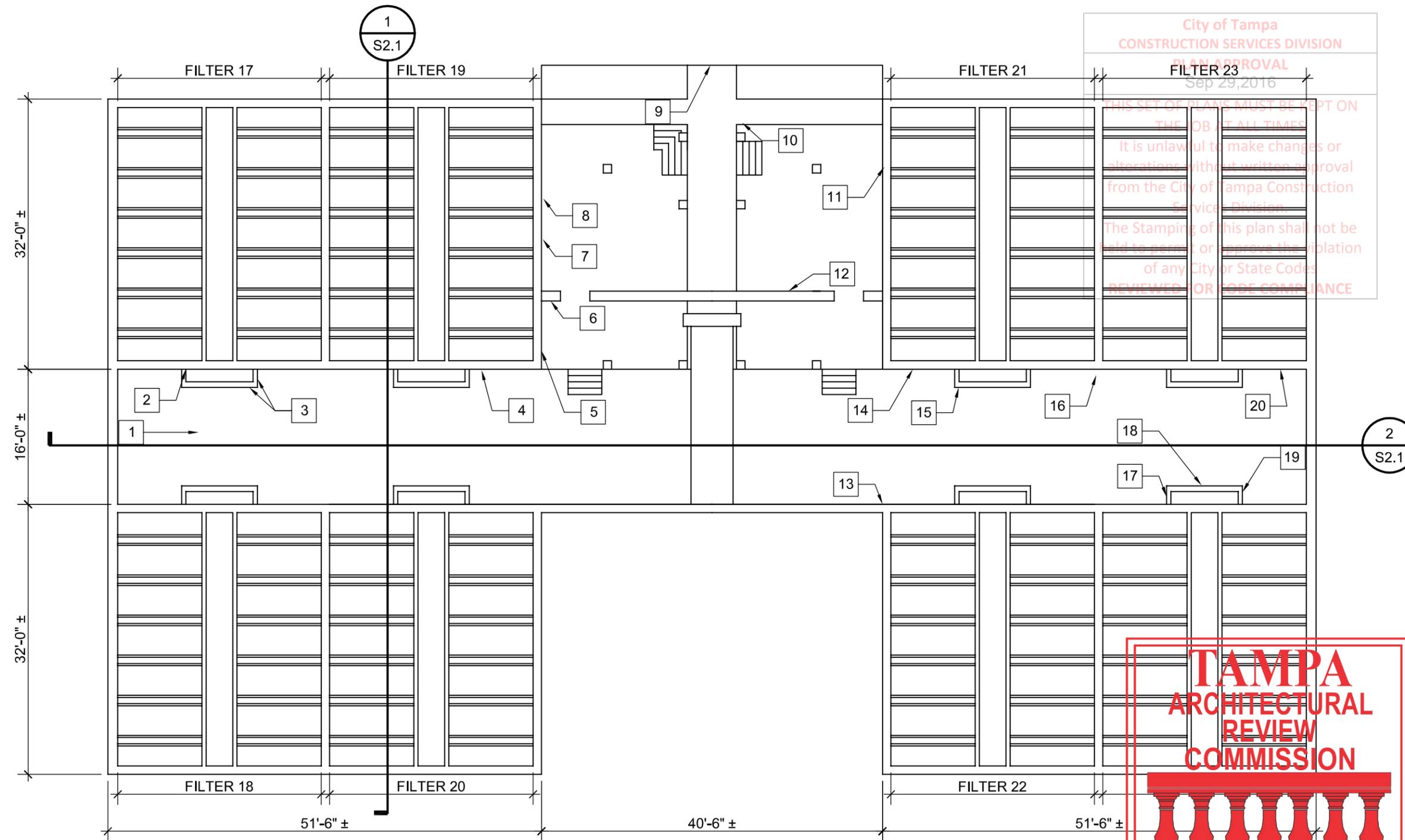
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DESIGNED BY	JB
REVIEWED BY	RMB
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PROJECT NUMBER	D07.14008.01
DATE	08/15/2015
SHEET TITLE	

BASEMENT LEVEL FLOOR PLAN

SHEET NUMBER

S1.1



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CONSTRUCTION SERVICES DIVISION
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- NOTES:
1. BACKGROUND PLAN IS BASED ON CONSTRUCTION DOCUMENTS ISSUED BY NICHOLAS S. HILL, JR. - CONSULTING ENGINEER, DATED FEBRUARY 2015.
 2. REFER TO SHEETS S4.1 TO S4.6 FOR PHOTOS OF EXISTING CONDITIONS
 3. CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY RELOCATION AND/OR PROTECTION OF EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT AS REQUIRED TO PERFORM THE WORK.
 4. REFER TO TASK ITEM 1.3 FOR LEAD ABATEMENT REQUIREMENTS.

1 PLAN - BASEMENT LEVEL
NO SCALE

PHOTO NUMBER: # SEE SHEETS S4.1 TO S4.6 FOR PHOTOS

TASK ITEM NUMBER: # SEE SECTION 011000 FOR TASK ITEM DESCRIPTIONS

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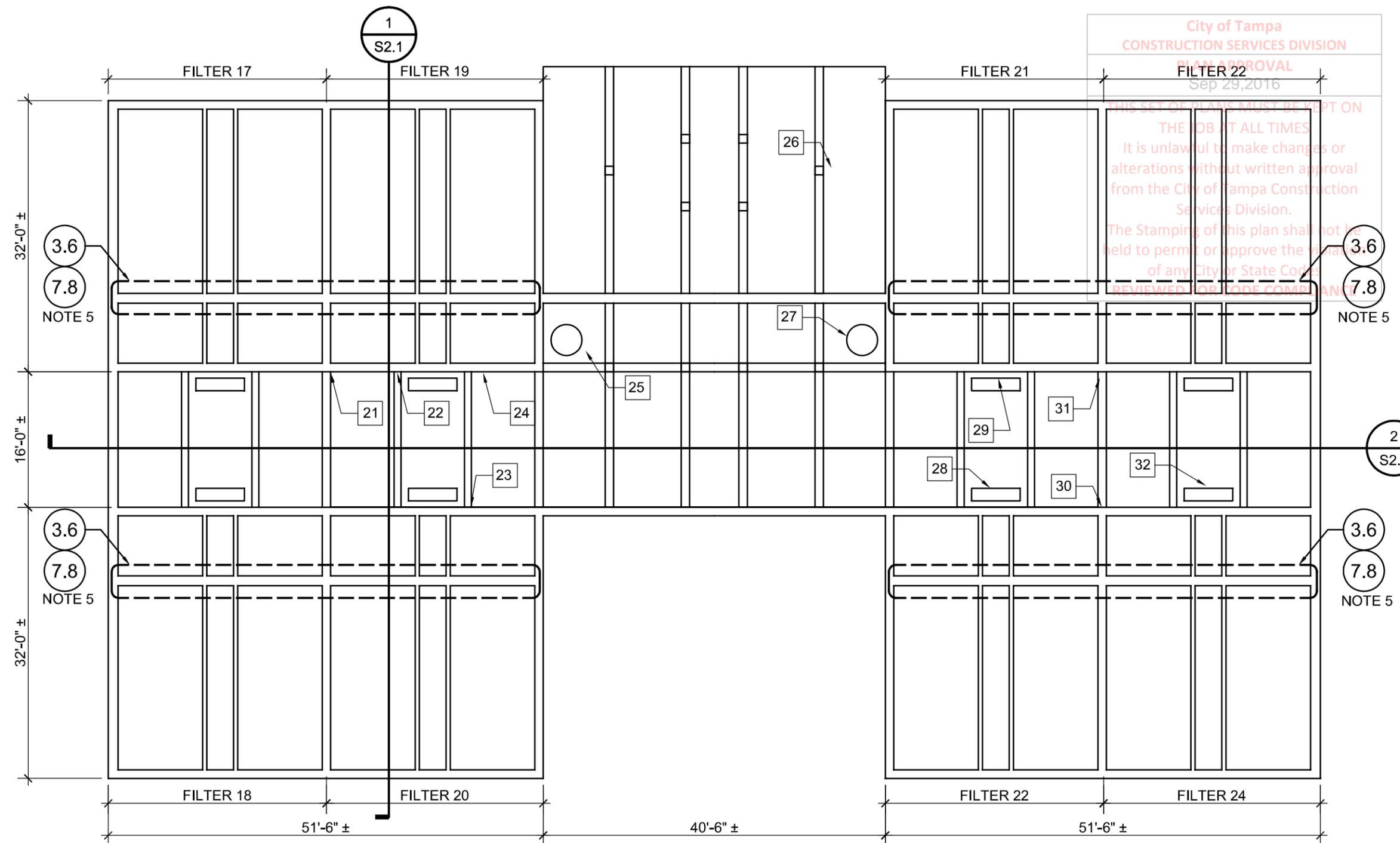
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DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
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SHEET TITLE	

BASEMENT LEVEL REFLECTED CEILING PLAN

SHEET NUMBER

S1.1A



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4. REFER TO TASK ITEM 1.3 FOR LEAD ABATEMENT REQUIREMENTS.
5. PERFORM EXTERIOR CONCRETE BEAM REPAIRS PER TASK ITEM 3.6 (REFER TO DETAIL 1/S3.2).

1 REFLECTED CEILING PLAN - BASEMENT LEVEL
NO SCALE

PHOTO NUMBER: # SEE SHEETS S4.1 TO S4.6 FOR PHOTOS

TASK ITEM NUMBER: # SEE SECTION 011000 FOR TASK ITEM DESCRIPTIONS

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SHEET TITLE

GROUND LEVEL FLOOR PLAN

SHEET NUMBER

S1.2

City of Tampa
CONSTRUCTION SERVICES DIVISION

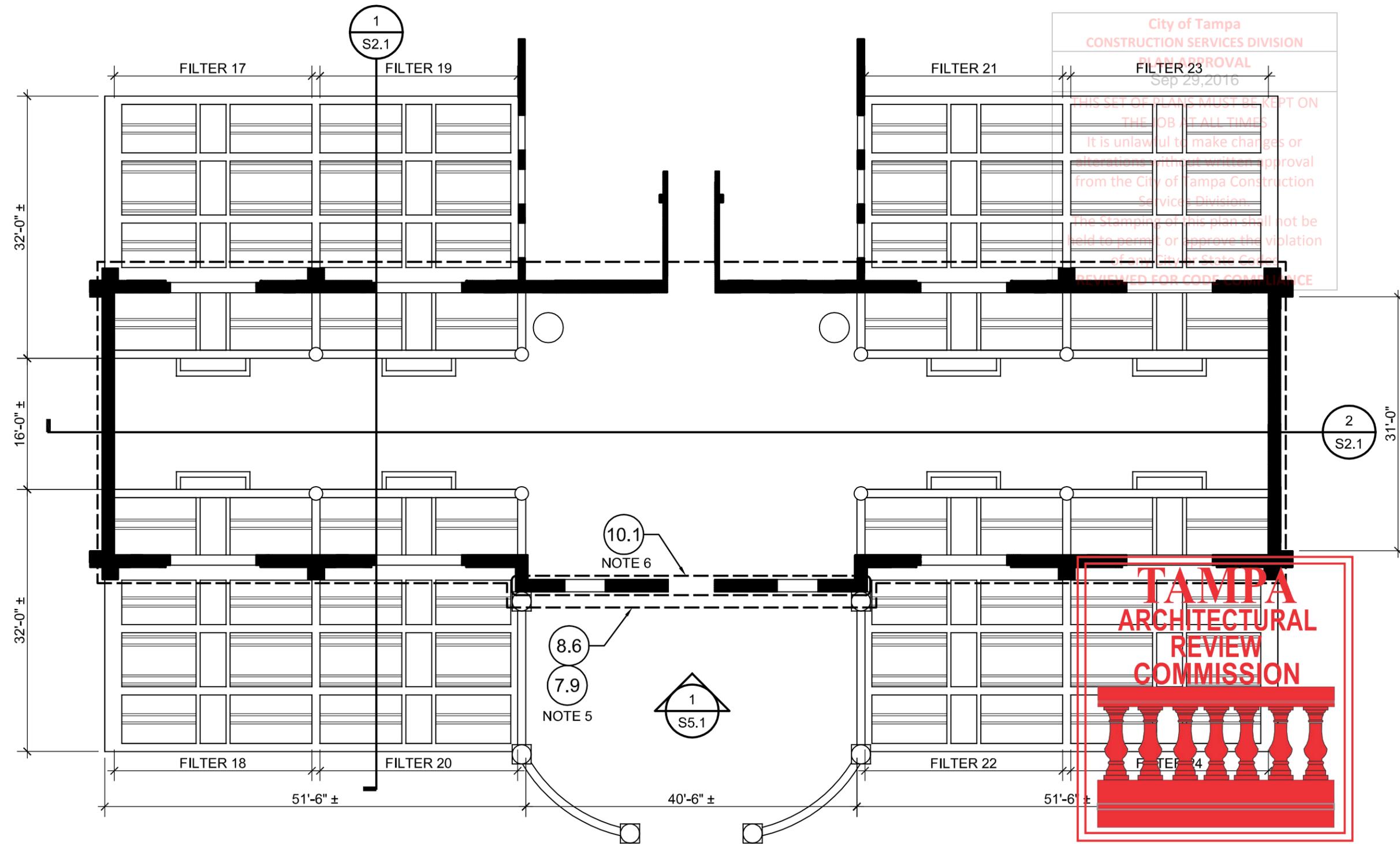
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TAMPA ARCHITECTURAL REVIEW COMMISSION

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- REFER TO TASK ITEM 1.3 FOR LEAD ABATEMENT REQUIREMENTS.
- REPLACE DETERIORATED PLASTER ON INTERIOR FACE OF WALLS AND CEILING PER TASK ITEM 8.6 AND REPLACE ENTIRE COATING ON INTERIOR FACE OF WALLS AND CEILING PER TASK ITEM 7.9.
- PERFORM CAST STONE RESTORATION PER TASK ITEM 10.1. REFER TO SHEETS S5.1 TO S5.7 FOR DETAILS.

1 PLAN - GROUND LEVEL

NO SCALE

PHOTO NUMBER: # SEE SHEETS S4.1 TO S4.6 FOR PHOTOS

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3. REPLACE DETERIORATED PLASTER ON INTERIOR FACE OF WALLS AND CEILING PER TASK ITEM 8.6 AND REPLACE ENTIRE COATING ON INTERIOR FACE OF WALLS AND CEILING PER TASK ITEM 7.9.



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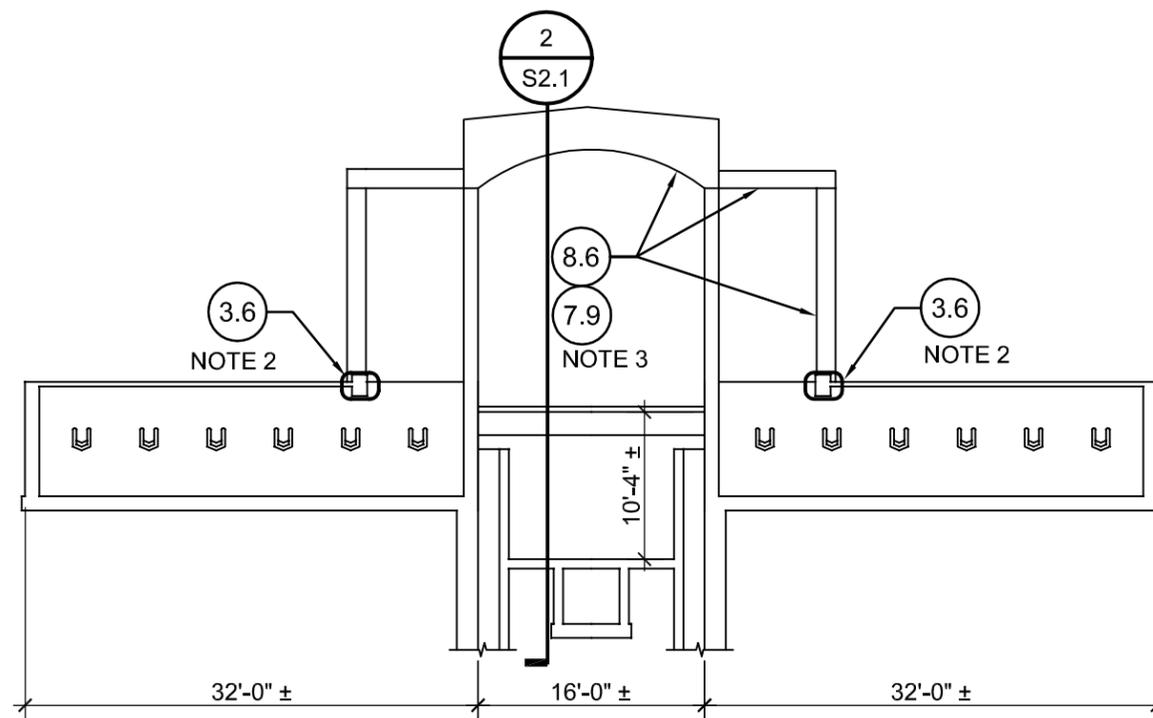
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BUILDING SECTIONS

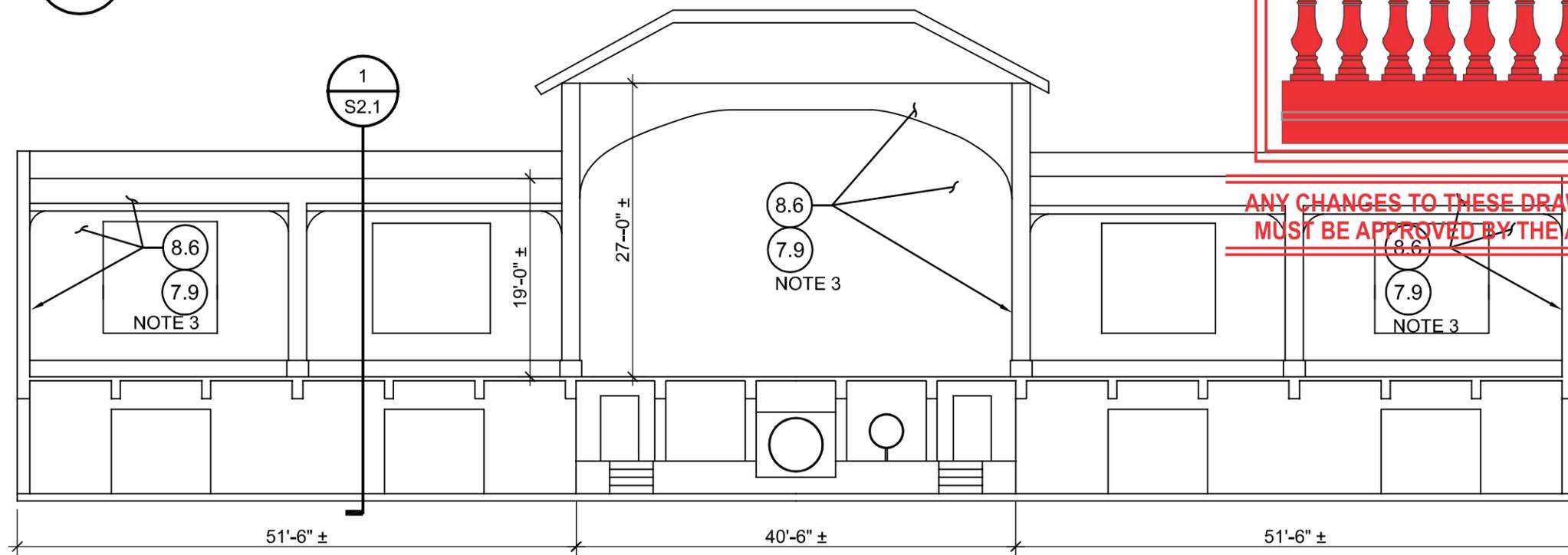
SHEET NUMBER

S2.1

TASK ITEM NUMBER: # SEE SECTION 011000 FOR TASK ITEM DESCRIPTIONS

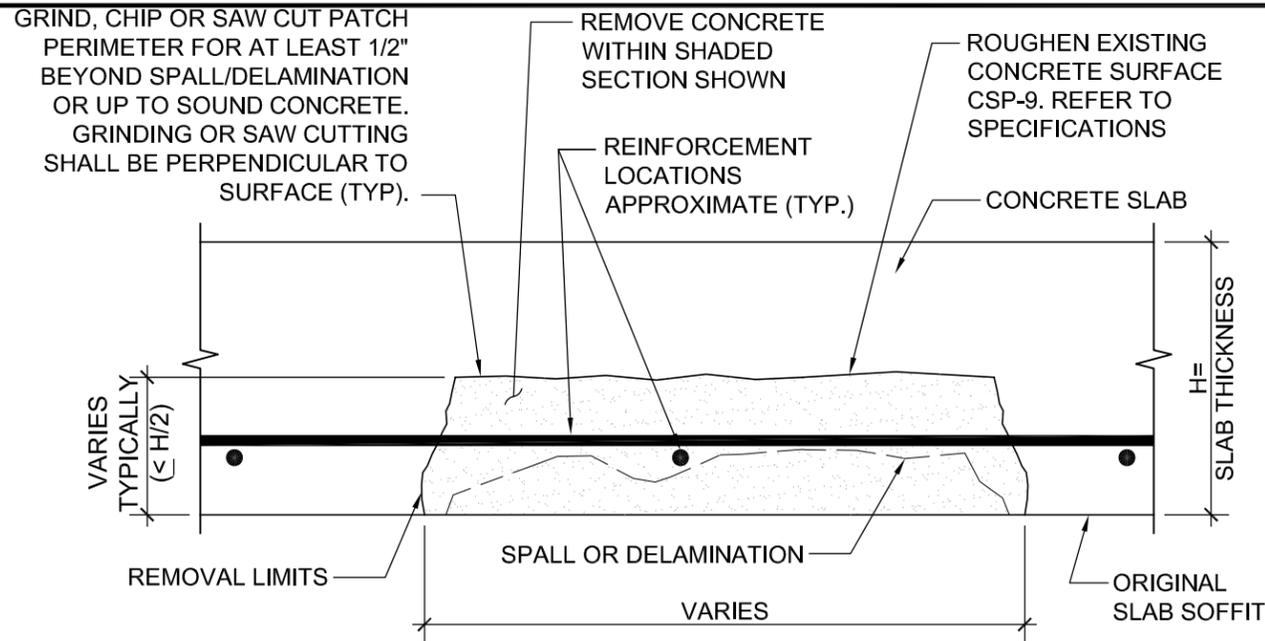


1 BUILDING SECTION
NO SCALE



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2 BUILDING SECTION
NO SCALE



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

NOTES:

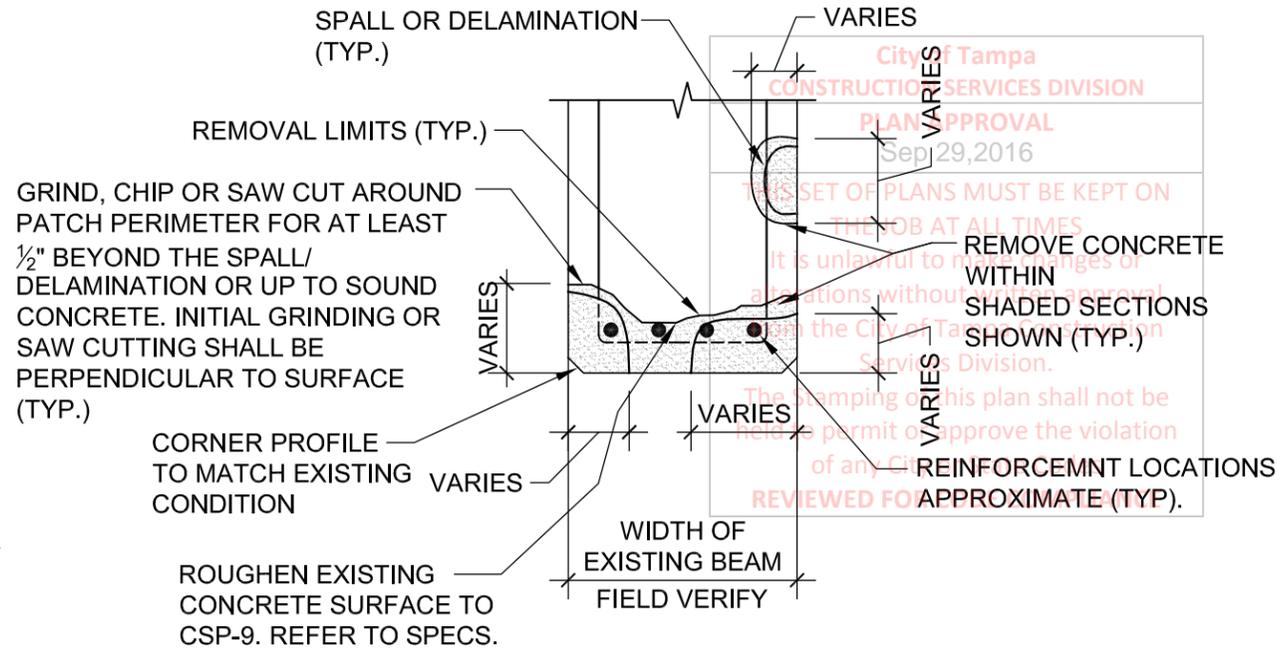
1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
2. REFER TO SECTION 030101 "SURFACE PREPARATION FOR PATCHING" SPECIFICATIONS FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION 030101 "SURFACE PREPARATION FOR PATCHING."
4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 15% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
5. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.
6. NEW PATCH SHALL MATCH EXISTING FINISH AND COLOR.

1

**TYPICAL DETAIL
OVERHEAD CONCRETE SLAB REPAIR**

NO SCALE

(TASK ITEM 3.1)



NOTES:

1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
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6. NEW PATCH SHALL MATCH EXISTING FINISH AND COLOR.

2

**TYPICAL DETAIL
CONCRETE FLOOR BEAM REPAIR**

NO SCALE

(TASK ITEM 3.5)



**ANY CHANGES TO THESE DRAWINGS
MUST BE APPROVED BY THE A.R.C.**

WALTER P MOORE

WALTER P. MOORE AND ASSOCIATES, INC.
300 SOUTH ORANGE AVENUE, SUITE 875
ORLANDO, FLORIDA 32801.3332
PHONE: 407.418.2218 FAX: 407.418.2257

PROJECT NAME

**D.L. TIPPIN WATER
TREATMENT FACILITY
REPAIRS TO HISTORIC
FILTER BUILDING**

CLIENT

**CITY OF TAMPA
WATER DEPARTMENT**

CERTIFICATE OF AUTHORIZATION No. 3818

JAVIER BALMA, PH.D., P.E.
FL PE LICENSE No. 69683

NO.	DATE	DESCRIPTION
1	01/05/2015	75% PROGRESS SET
2	05/12/2015	90% PROGRESS SET
3	05/16/2016	95% PROGRESS SET
4	08/15/2016	100% SET

DESIGNED BY JB

REVIEWED BY RMB

DRAWN BY EP

PROJECT NUMBER D07.14008.01

DATE 08/15/2015

SHEET TITLE

TYPICAL DETAILS

SHEET NUMBER

S3.1

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PROJECT NAME
D.L. TIPPIN WATER TREATMENT FACILITY REPAIRS TO HISTORIC FILTER BUILDING

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DESIGNED BY: JB

REVIEWED BY: RMB

DRAWN BY: EP

PROJECT NUMBER: D07.14008.01

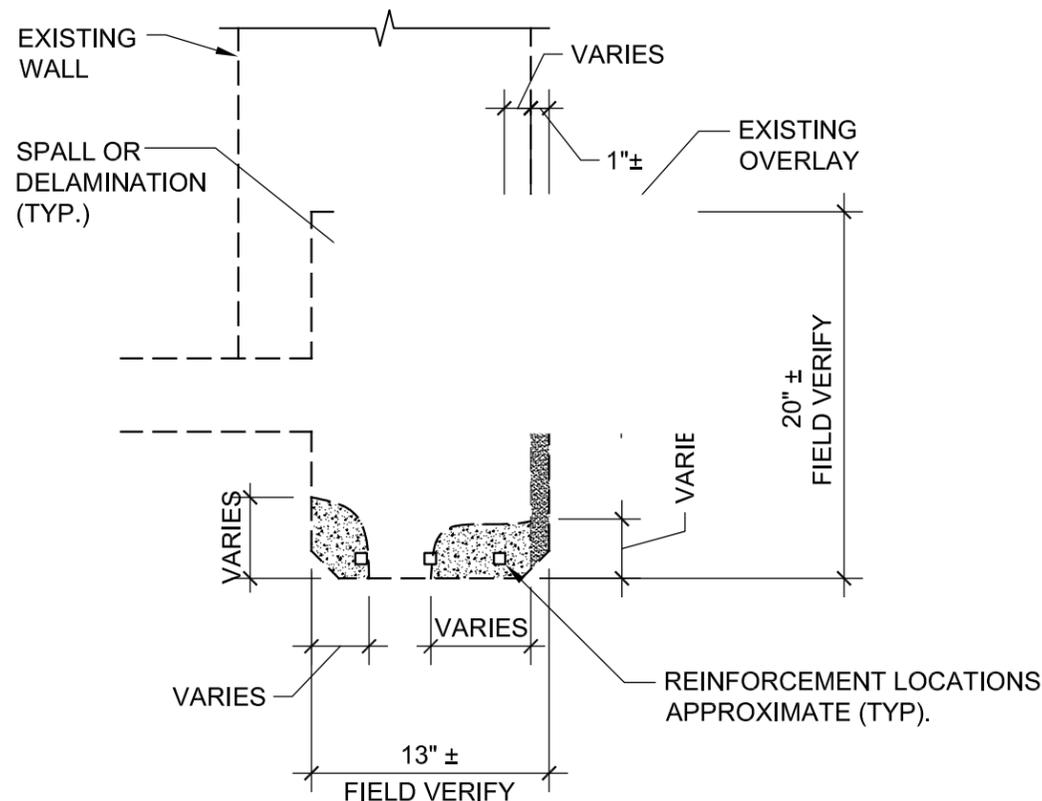
DATE: 08/15/2015

SHEET TITLE

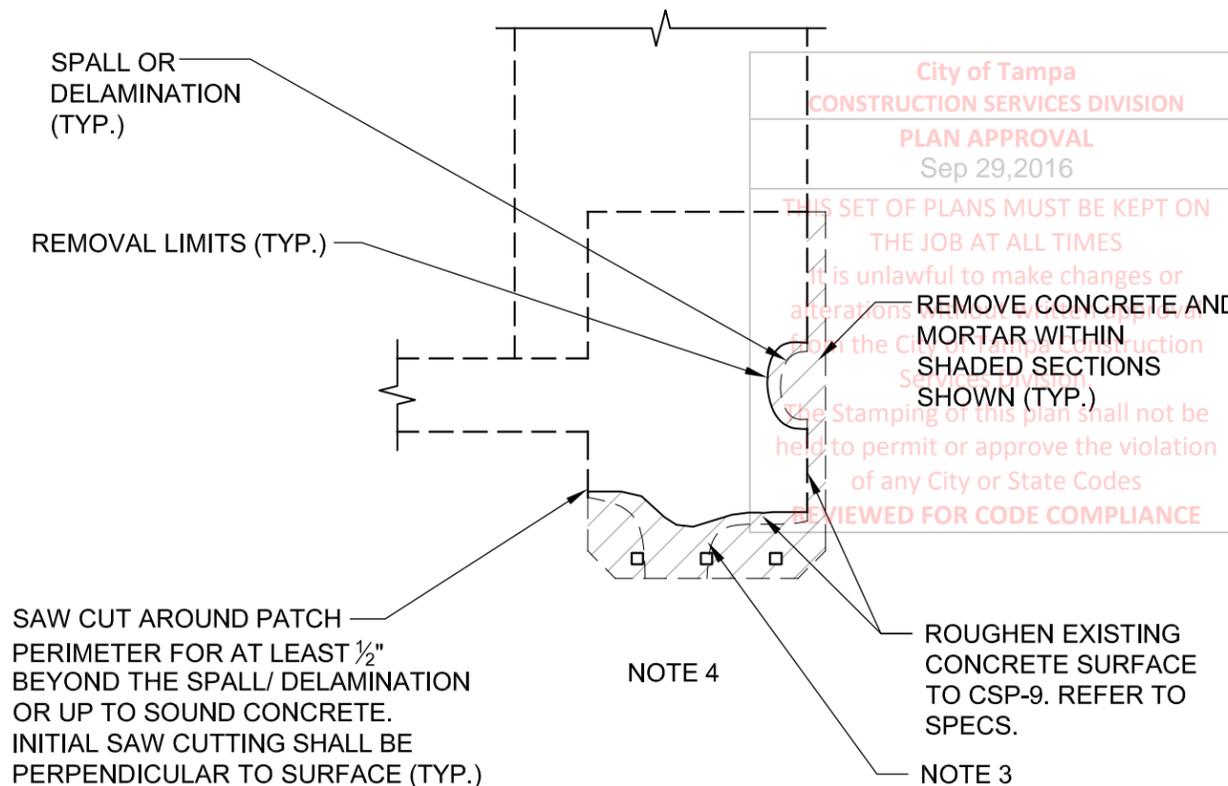
TYPICAL DETAILS

SHEET NUMBER

S3.2



1 - EXISTING CONDITIONS



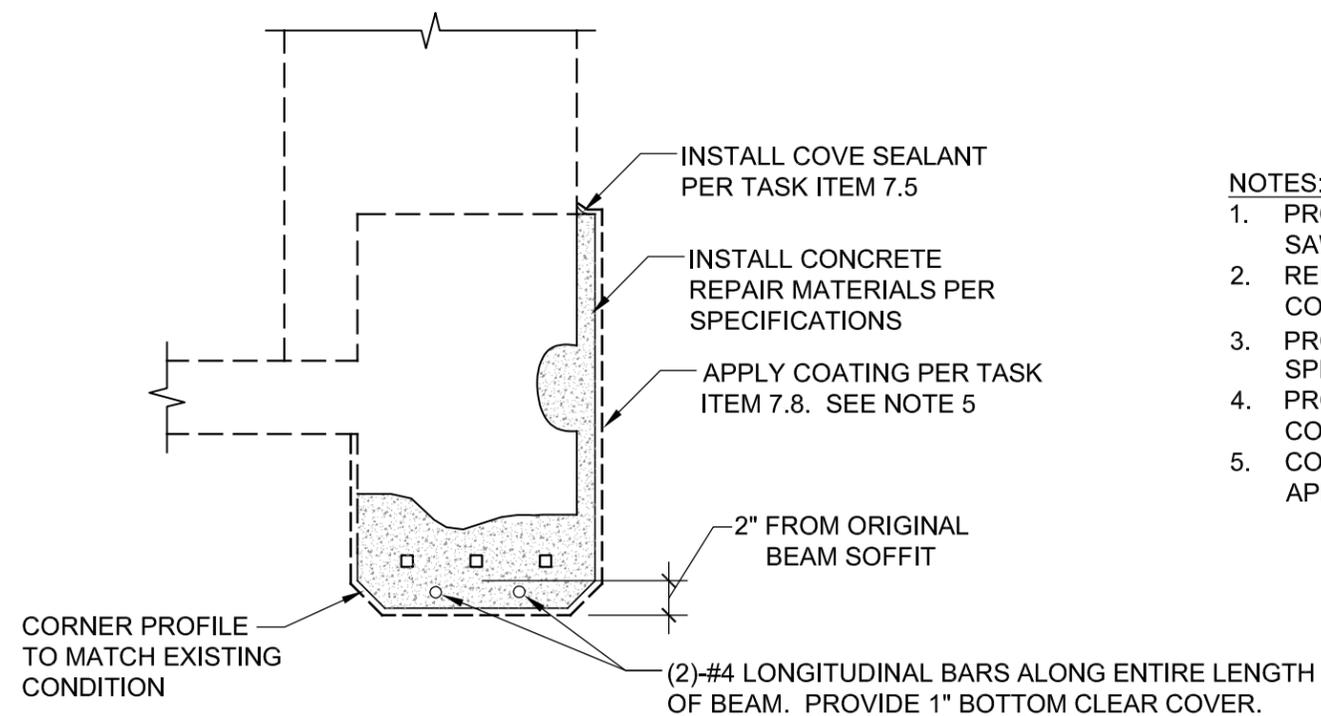
2 - SURFACE PREPARATION

NOTES:

1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
2. REFER TO SECTION 030101 "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION 030101 "SURFACE PREPARATION FOR PATCHING".
4. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO CONCRETE REMOVAL WORK.
5. CONCRETE REPAIR MATERIALS SHALL CURE FOR AT LEAST 28 DAYS PRIOR TO APPLICATION OF COATING.



ANY CHANGES TO THESE DRAWINGS MUST BE APPROVED BY THE A.R.C.



3 - CONCRETE REPAIRS

1 TYPICAL DETAIL - EXTERIOR CONCRETE BEAM REPAIR

1 NTS

(TASK ITEM 3.6)

PROJECT NAME
**D.L. TIPPIN WATER
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FILTER BUILDING**

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**CITY OF TAMPA
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4	08/15/2016	100% SET

DESIGNED BY JB

REVIEWED BY RMB

DRAWN BY EP

PROJECT NUMBER D07.14008.01

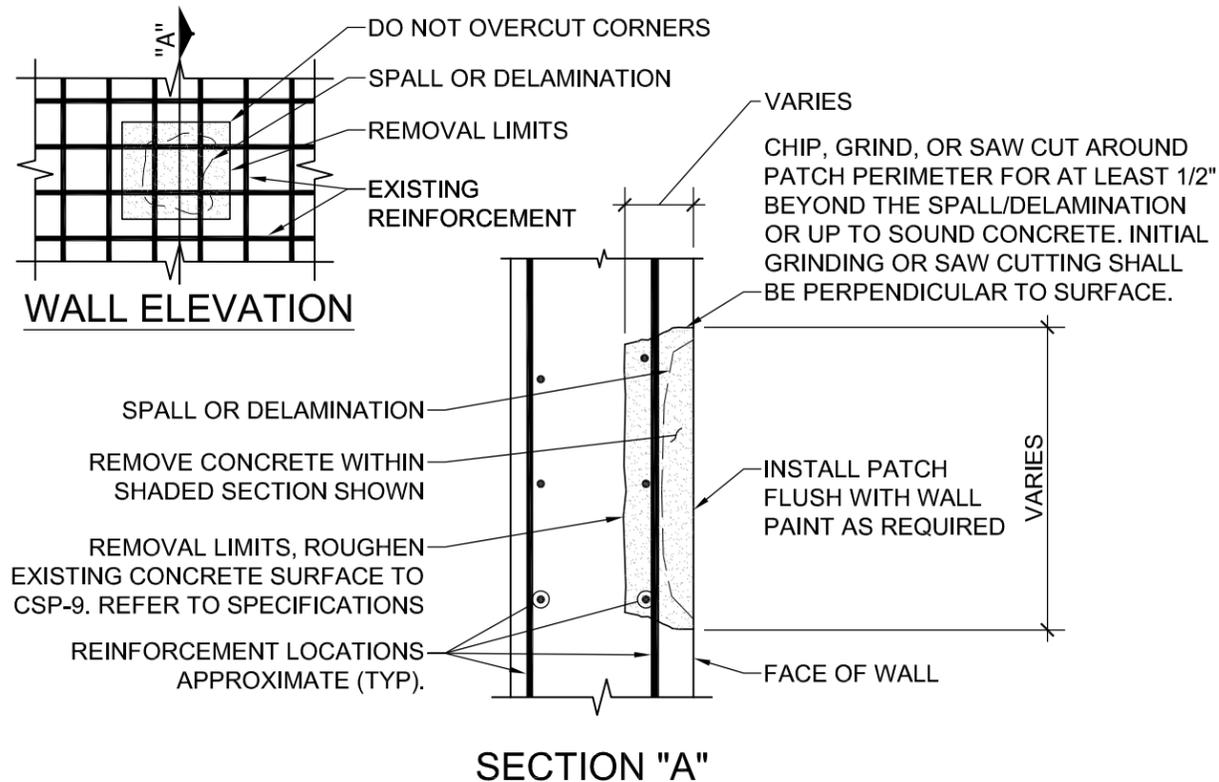
DATE 08/15/2015

SHEET TITLE

TYPICAL DETAILS

SHEET NUMBER

S3.3



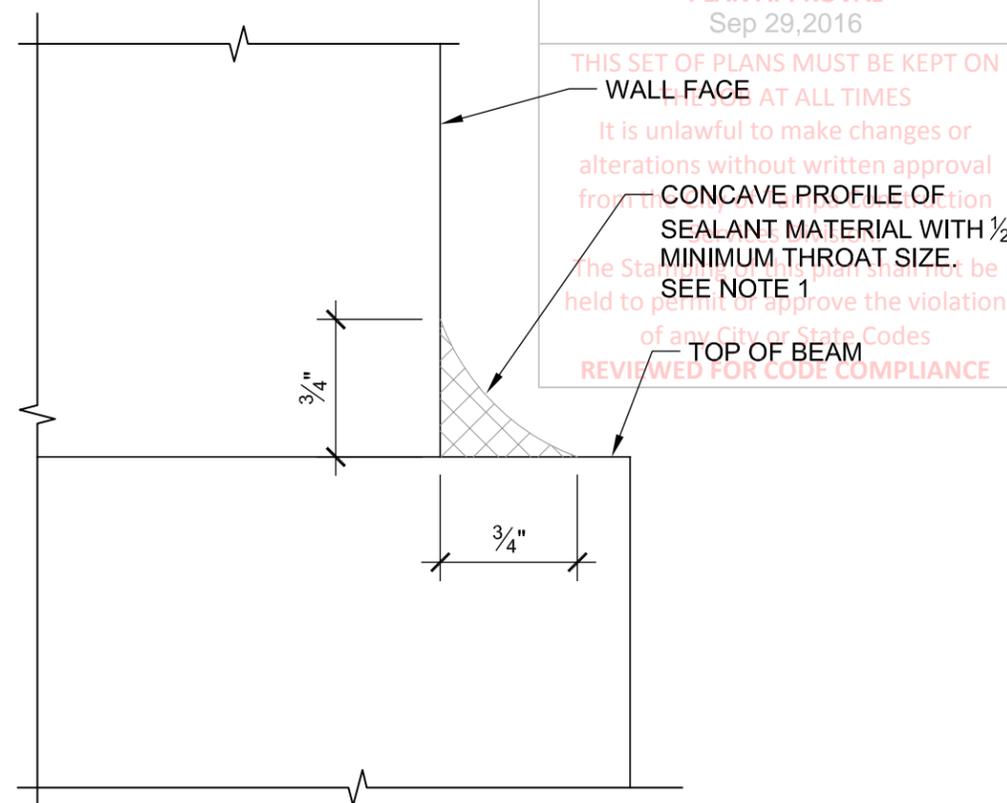
- NOTES:**
1. PROTECT EXISTING REINFORCEMENT FROM DAMAGE DURING CHIPPING, GRINDING OR SAW CUTTING FOR SPALL/DELAMINATION REPAIR.
 2. REFER TO SECTION 030101 "SURFACE PREPARATION FOR PATCHING" FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT.
 3. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN SECTION 030101 "SURFACE PREPARATION FOR PATCHING."
 4. WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE SEVERELY CORRODED OR HAS LOST 15% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.
 5. NEW PATCH SHALL MATCH EXISTING FINISH AND COLOR.

**TYPICAL DETAIL
CONCRETE WALL REPAIR**

1

NTS

(TASK ITEM 4.1)



- NOTES:**
1. REMOVE EXISTING COVE SEALANT MATERIAL IF PRESENT. PREPARE SURFACE PER SPECIFICATIONS.
 2. SEE SPECIFICATION SECTION 07920 "JOINT SEALANTS" FOR TYPE OF SEALANT MATERIAL.

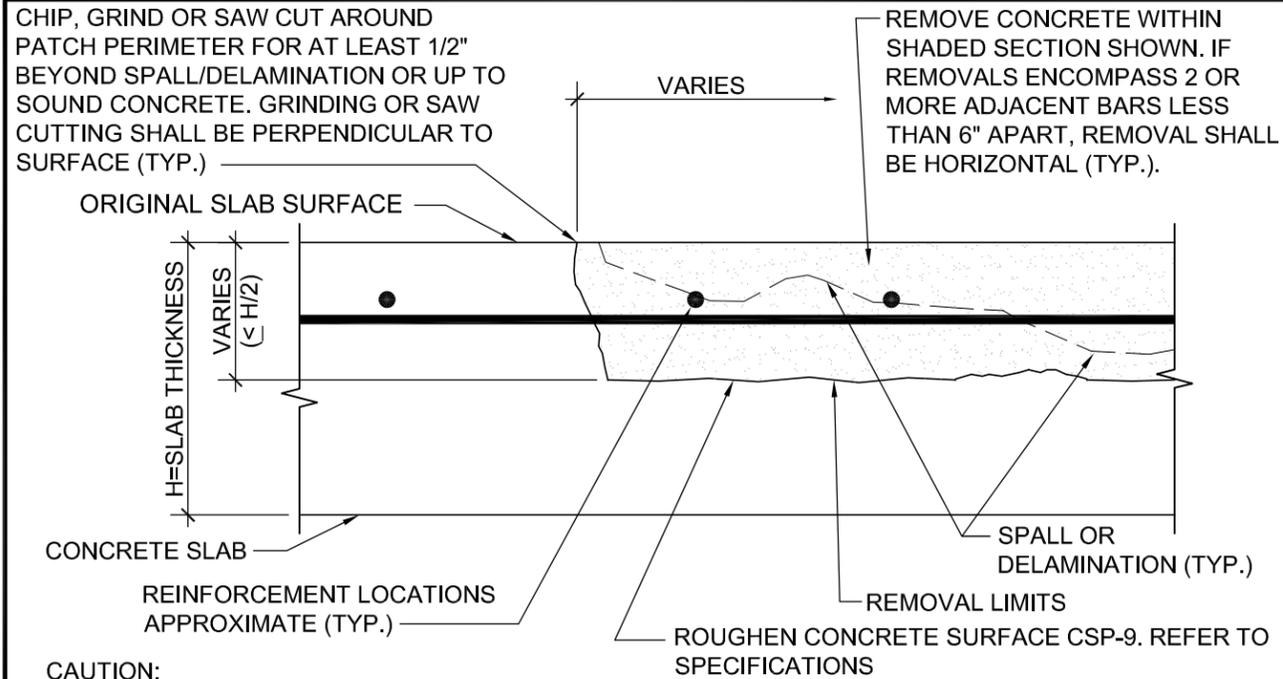
TYPICAL DETAIL - COVE SEALANT

2

NO SCALE



**ANY CHANGES TO THESE DRAWINGS
MUST BE APPROVED BY THE A.R.C.**



CAUTION:
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.
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 5. PROVIDE SHORING AS SPECIFIED BY ENGINEER PRIOR TO COMMENCEMENT OF ANY CONCRETE REMOVAL WORK.
 6. NEW PATCH SHALL MATCH EXISTING FINISH AND COLOR.

TYPICAL DETAIL - PARTIAL DEPTH CONCRETE FLOOR REPAIR

1

NTS

(TASK ITEM 2.3)

City of Tampa
CONSTRUCTION SERVICES DIVISION

PLAN APPROVAL
Sep 29, 2016

THIS SET OF PLANS MUST BE KEPT ON THE JOB AT ALL TIMES
It is unlawful to make changes or alterations without written approval from the City of Tampa Construction Services Division.

The stamping of this plan shall not be held to permit or approve the violation of any City or State Codes or Rules for CODE COMPLIANCE



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ORLANDO, FLORIDA 32801.3332
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PROJECT NAME
D.L. TIPPIN WATER TREATMENT FACILITY REPAIRS TO HISTORIC FILTER BUILDING

CLIENT
CITY OF TAMPA WATER DEPARTMENT

CERTIFICATE OF AUTHORIZATION No. 3818

JAVIER BALMA, PH.D., P.E.
FL PE LICENSE No. 69683

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DESIGNED BY JB

REVIEWED BY RMB

DRAWN BY EP

PROJECT NUMBER D07.14008.01

DATE 08/15/2015

SHEET TITLE

TYPICAL DETAILS

SHEET NUMBER

S3.4

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PROJECT NAME
**D.L. TIPPIN WATER
TREATMENT FACILITY
REPAIRS TO HISTORIC
FILTER BUILDING**

CLIENT
**CITY OF TAMPA
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DESIGNED BY	JB
REVIEWED BY	RMB
DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
DATE	08/15/2015

SHEET TITLE

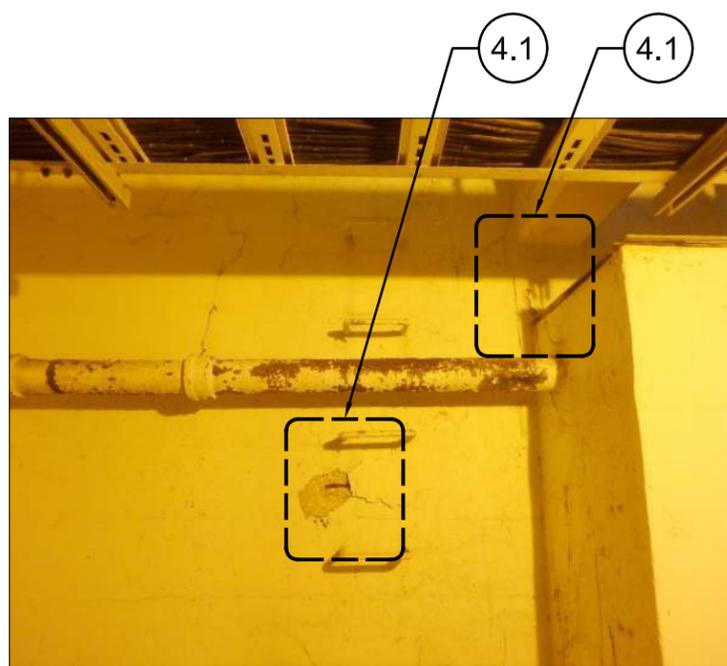
**PHOTOS -
CONCRETE REPAIRS**

SHEET NUMBER

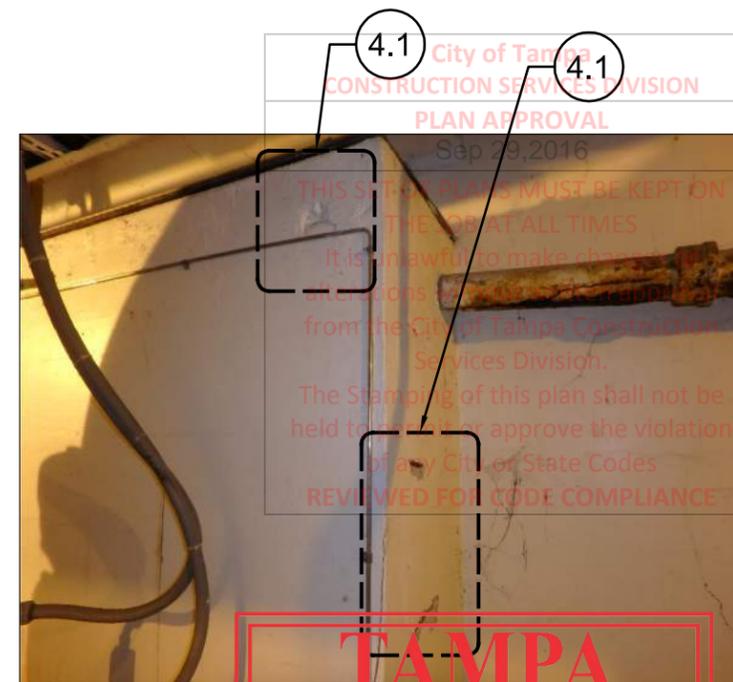
S4.1



1 PHOTO
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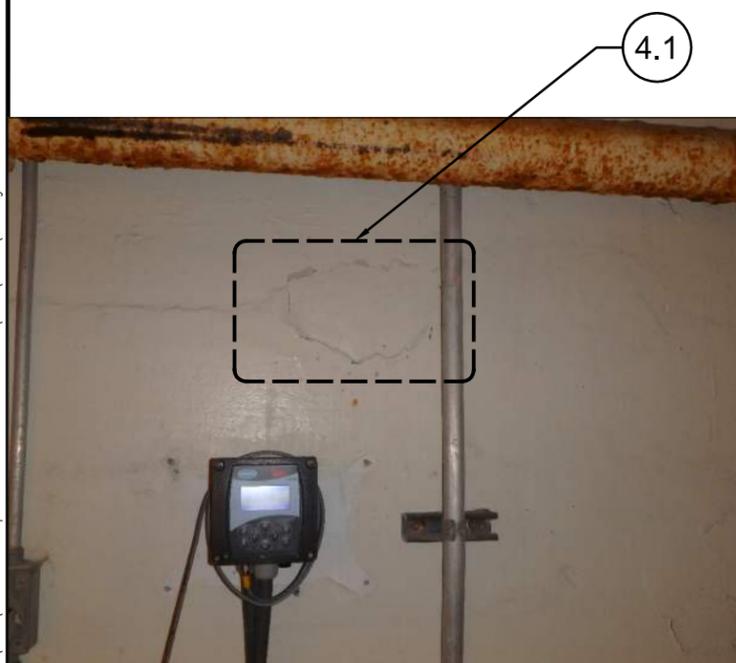
2 PHOTO
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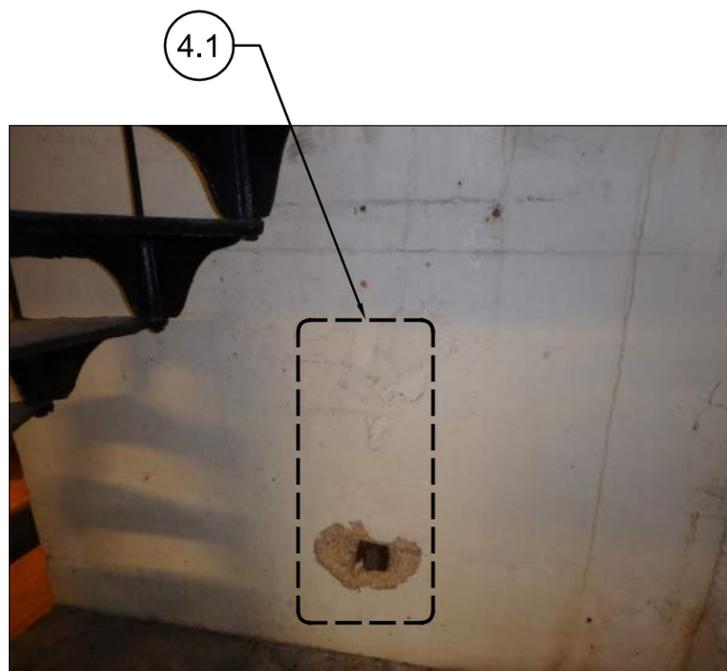
3 PHOTO
NO SCALE



6 PHOTO
NO SCALE



4 PHOTO
NO SCALE



5 PHOTO
NO SCALE

PROJECT NAME
**D.L. TIPPIN WATER
TREATMENT FACILITY
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FILTER BUILDING**

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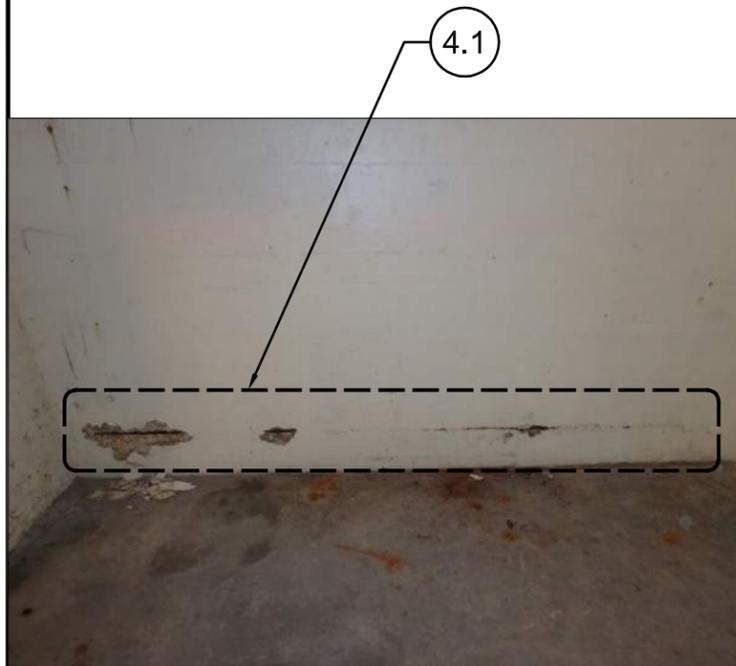
DESIGNED BY	JB
REVIEWED BY	RMB
DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
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SHEET TITLE

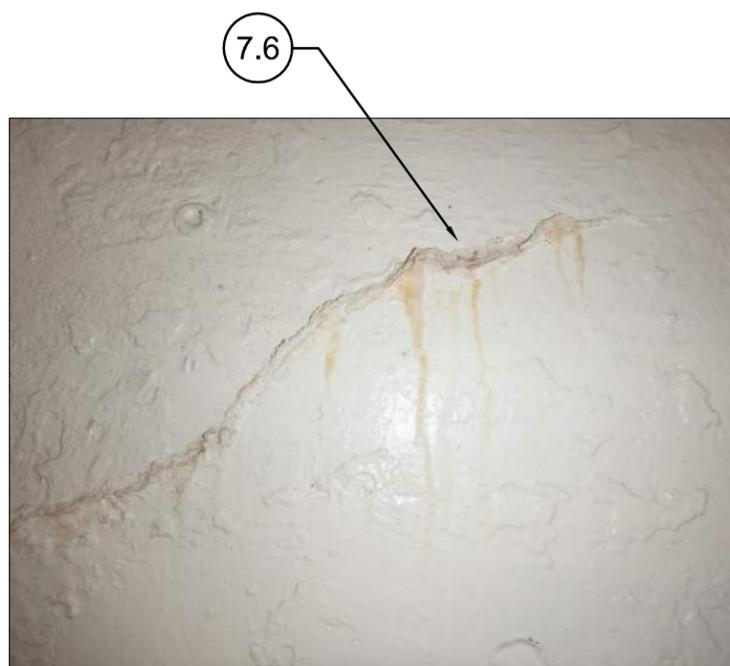
**PHOTOS -
CONCRETE REPAIRS**

SHEET NUMBER

S4.2



7 PHOTO
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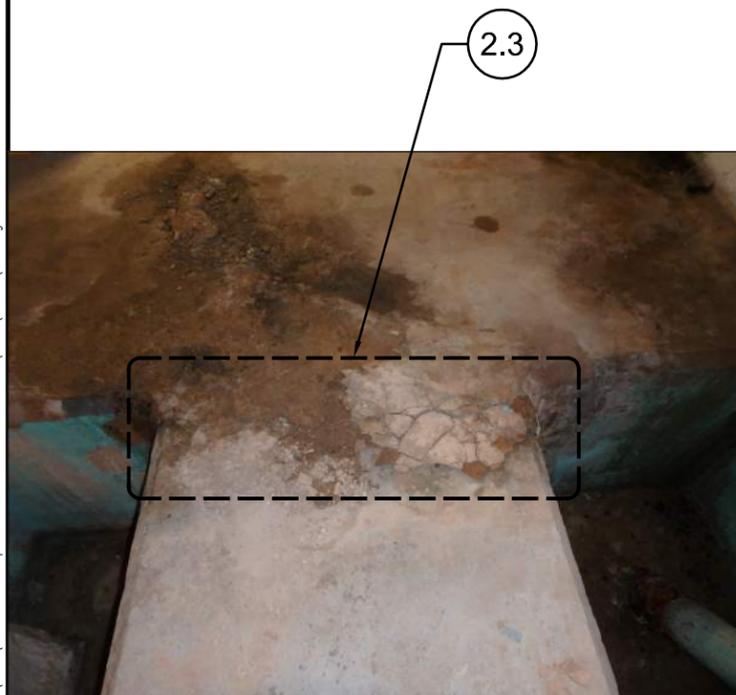


8 PHOTO
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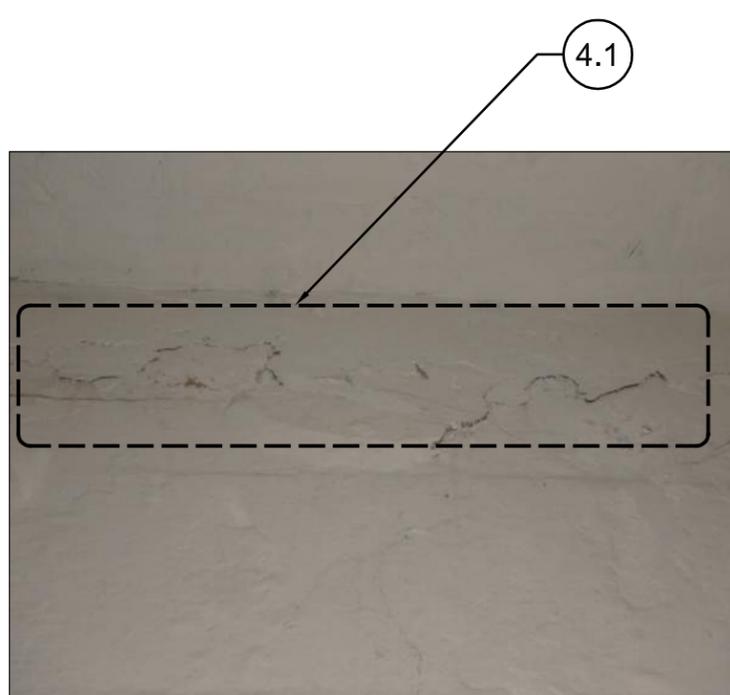


9 PHOTO
NO SCALE

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10 PHOTO
NO SCALE



11 PHOTO
NO SCALE



12 PHOTO
NO SCALE

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD_Sheets\S42.dwg

PROJECT NAME
**D.L. TIPPIN WATER
TREATMENT FACILITY
REPAIRS TO HISTORIC
FILTER BUILDING**

CLIENT
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DESIGNED BY	JB
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DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
DATE	08/15/2015
SHEET TITLE	

**PHOTOS -
CONCRETE REPAIRS**
SHEET NUMBER

S4.3

4.1



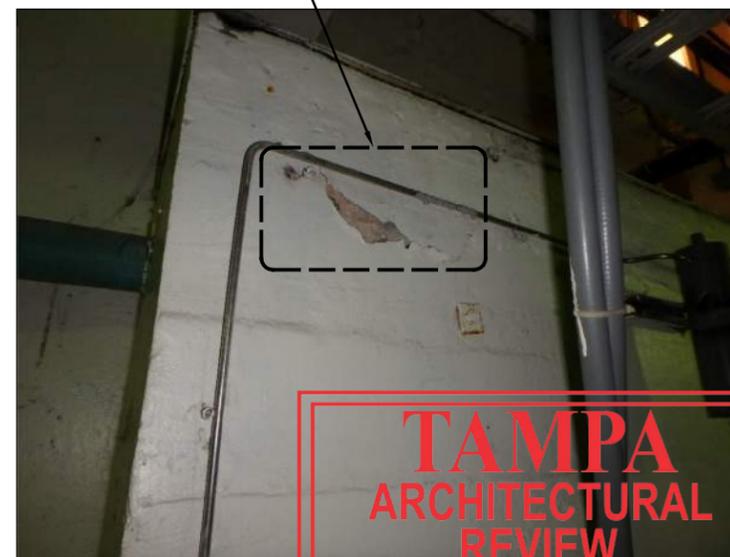
13 PHOTO
NO SCALE

4.1



14 PHOTO
NO SCALE

4.1



15 PHOTO
NO SCALE

**TAMPA
ARCHITECTURAL
REVIEW
COMMISSION**

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4.1



16 PHOTO
NO SCALE

4.1



17 PHOTO
NO SCALE

7.6



18 PHOTO
NO SCALE

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD_Sheets\S4.3.dwg

PROJECT NAME
D.L. TIPPIN WATER TREATMENT FACILITY REPAIRS TO HISTORIC FILTER BUILDING

CLIENT
CITY OF TAMPA WATER DEPARTMENT
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DESIGNED BY: JB
REVIEWED BY: RMB
DRAWN BY: EP
PROJECT NUMBER: D07.14008.01
DATE: 08/15/2015

SHEET TITLE

PHOTOS - CONCRETE REPAIRS

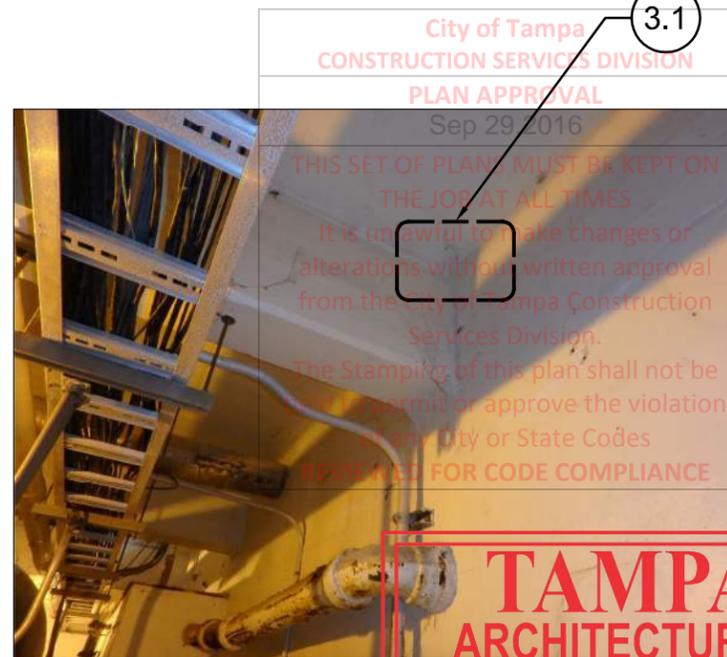
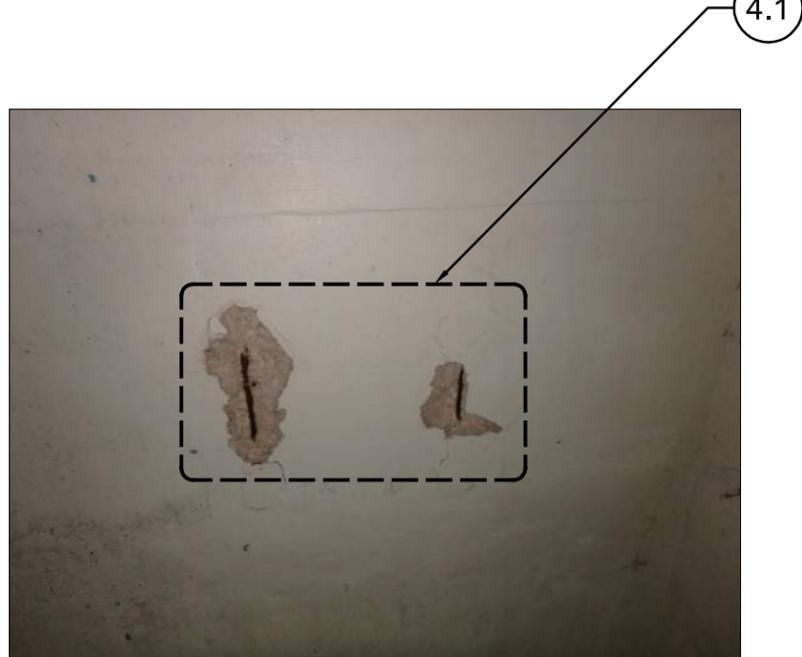
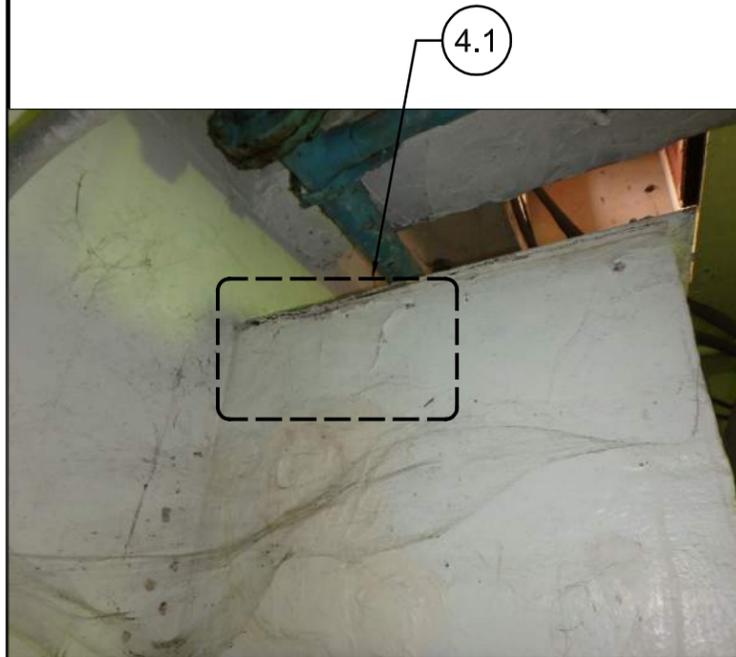
SHEET NUMBER

S4.4

City of Tampa
CONSTRUCTION SERVICES DIVISION
PLAN APPROVAL
Sep 29 2016
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REVIEWED FOR CODE COMPLIANCE



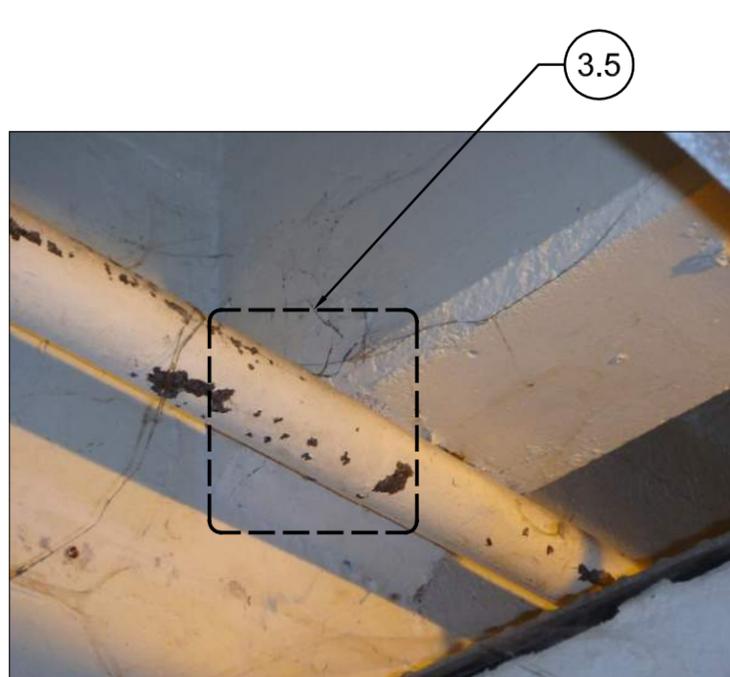
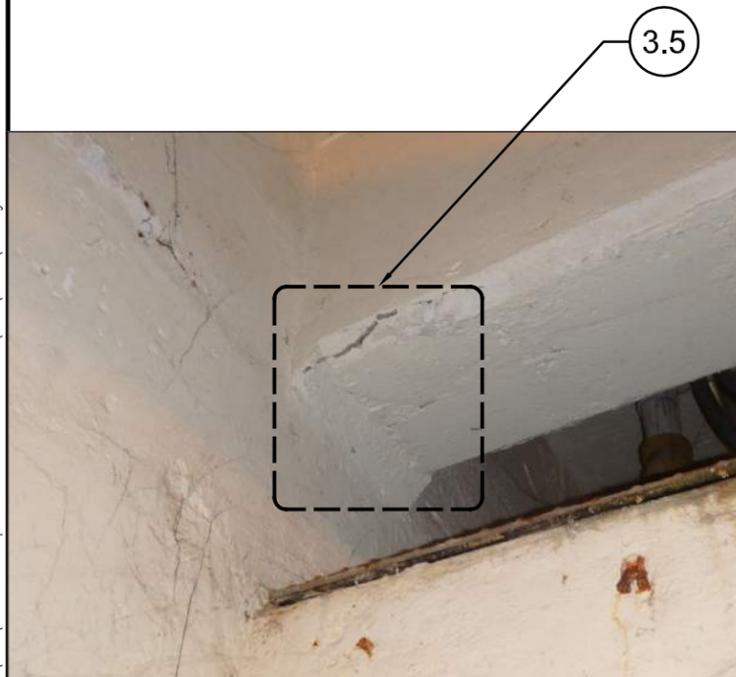
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19 PHOTO
NO SCALE

20 PHOTO
NO SCALE

21 PHOTO
NO SCALE



22 PHOTO
NO SCALE

23 PHOTO
NO SCALE

24 PHOTO
NO SCALE

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD_Sheets\S44.dwg

PROJECT NAME
**D.L. TIPPIN WATER
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CLIENT
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DESIGNED BY	JB
REVIEWED BY	RMB
DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
DATE	08/15/2015
SHEET TITLE	

**PHOTOS -
CONCRETE REPAIRS**
SHEET NUMBER

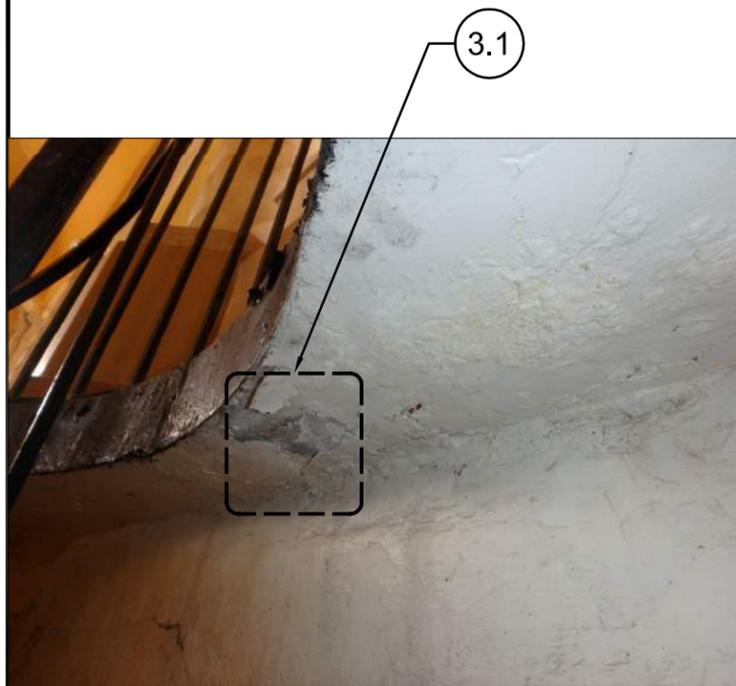
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City of Tampa
CONSTRUCTION SERVICES DIVISION
PLAN APPROVAL

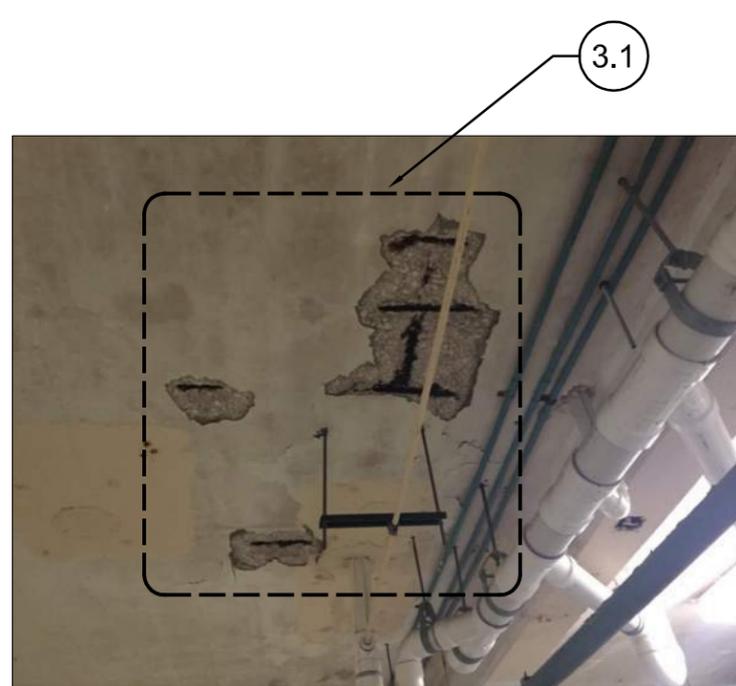
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**TAMPA
ARCHITECTURAL
REVIEW
COMMISSION**

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25 PHOTO
NO SCALE



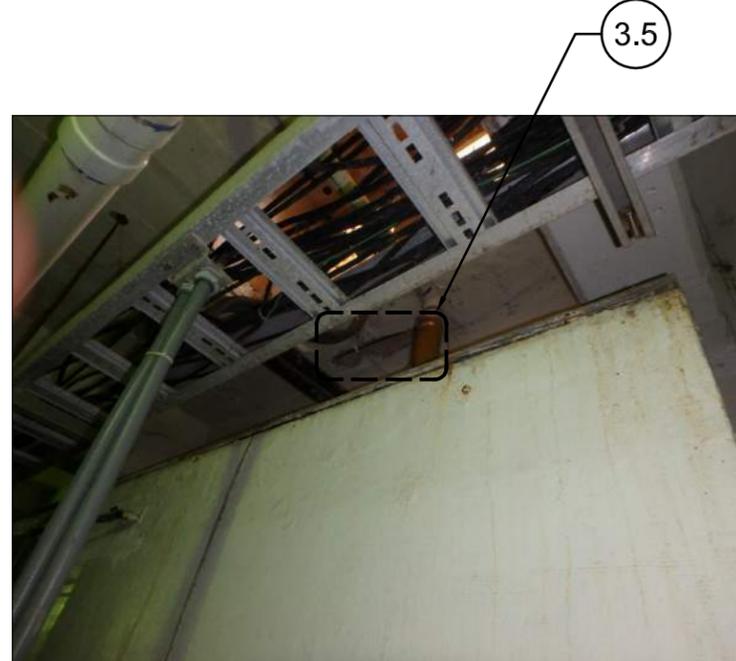
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27 PHOTO
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28 PHOTO
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29 PHOTO
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30 PHOTO
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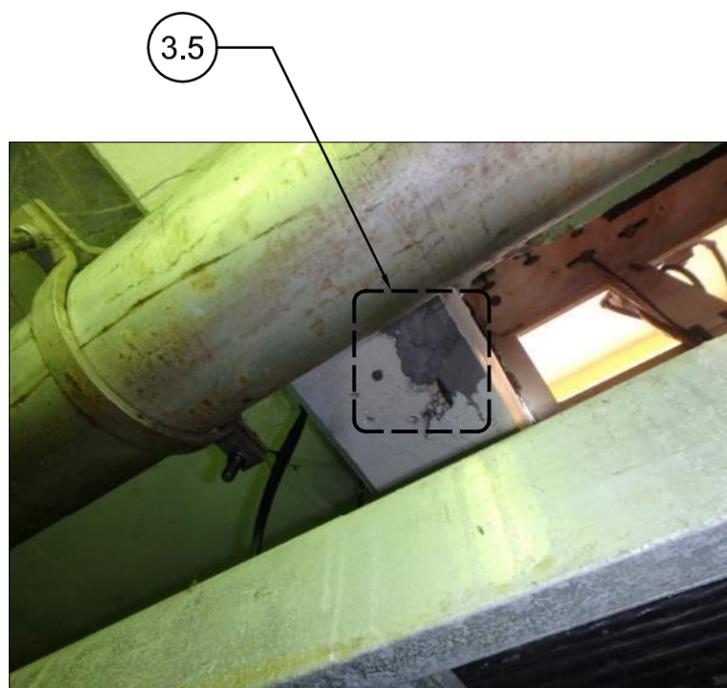
PROJECT NAME
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**CITY OF TAMPA
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City of Tampa
CONSTRUCTION SERVICES DIVISION
PLAN APPROVAL
Sep 29, 2016
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Services Division.
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OR COMPLIANCE



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31 PHOTO
NO SCALE

32 PHOTO
NO SCALE

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DESIGNED BY	JB
REVIEWED BY	RMB
DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
DATE	08/15/2015
SHEET TITLE	

**PHOTOS -
CONCRETE REPAIRS**
SHEET NUMBER

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD_Sheets\S46.dwg

NO.	DATE	DESCRIPTION
01/05/2015	75% PROGRESS SET	
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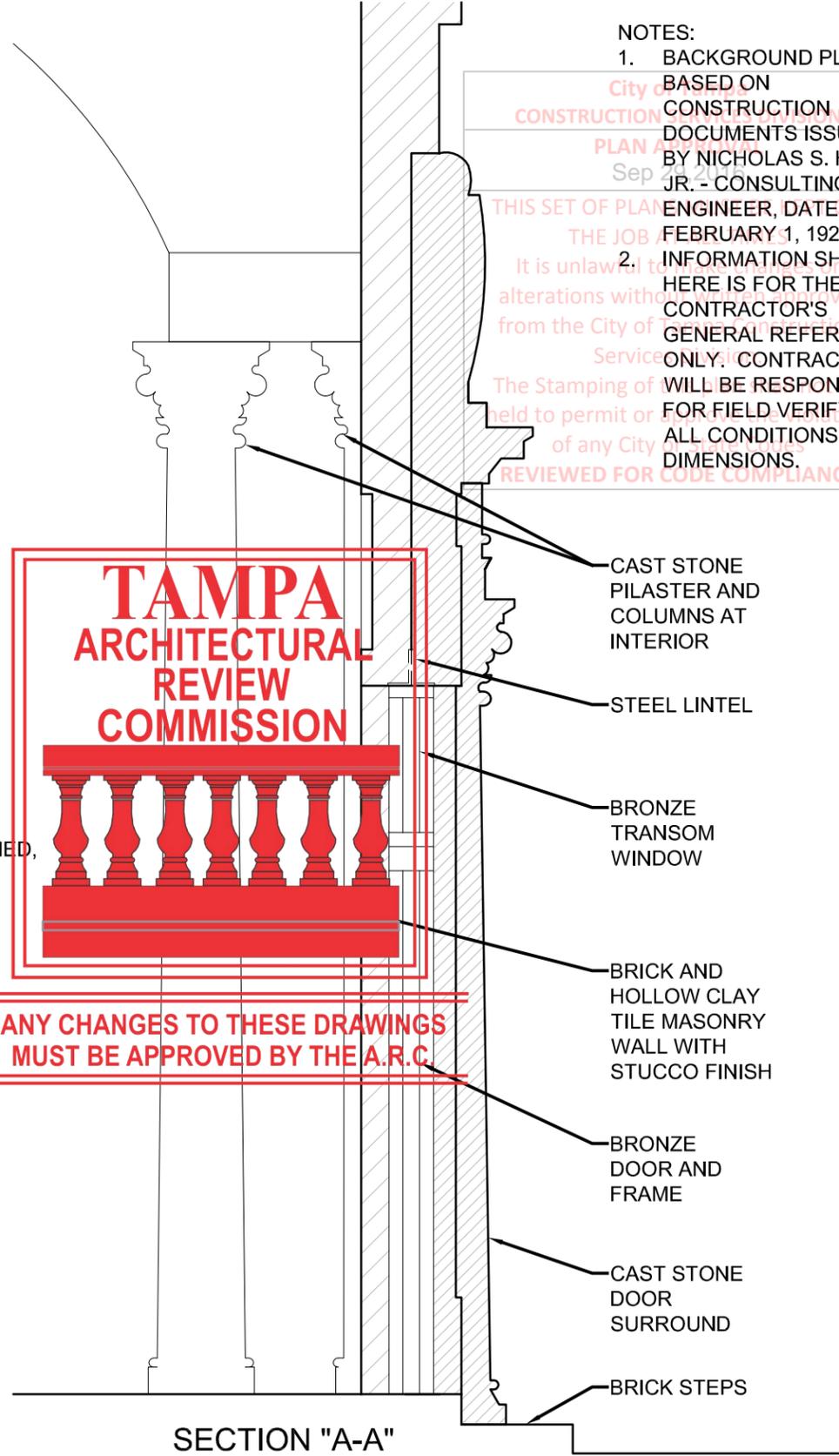
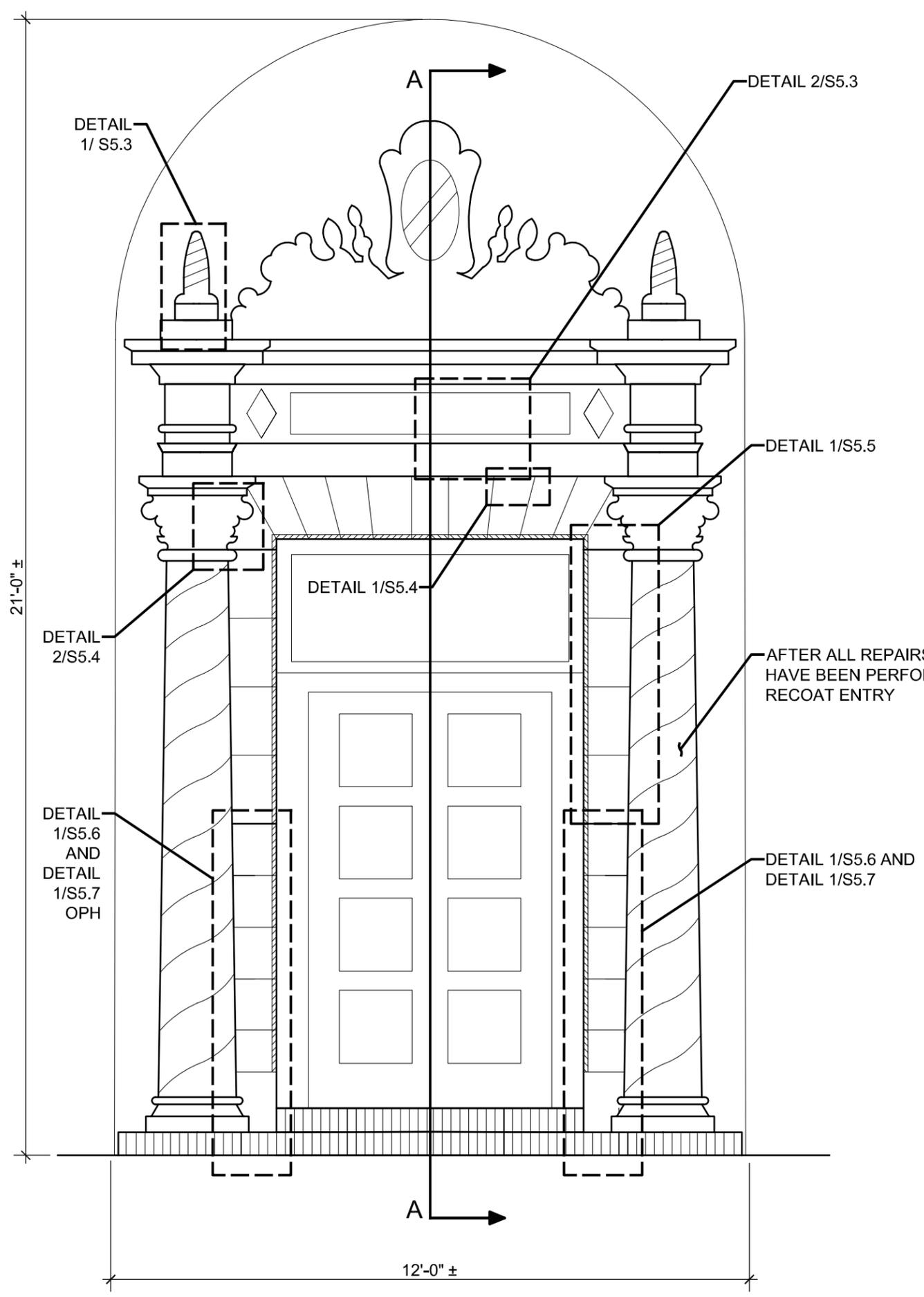
SHEET NUMBER

NOTES:
1. BACKGROUND PLAN IS BASED ON CONSTRUCTION DOCUMENTS ISSUED BY NICHOLAS S. HILL, JR. - CONSULTING ENGINEER, DATED FEBRUARY 1, 1924.
2. INFORMATION SHOWN HERE IS FOR THE CONTRACTOR'S GENERAL REFERENCE ONLY. CONTRACTOR WILL BE RESPONSIBLE FOR FIELD VERIFYING ALL CONDITIONS AND DIMENSIONS.

City of Tampa
CONSTRUCTION
PLAN A
Sep 4 2015
THIS SET OF PLANS IS THE JOB OF THE CITY OF TAMPA. It is unlawful to alter or make alterations with the City of Tampa Service. The Stamping of this set is held to permit or approval of any City of Tampa. REVIEWED FOR CODE COMPLIANCE



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SECTION "A-A"

1 MAIN ENTRY
NTS

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD_Sheets\S5.1.dwg

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DRAWN BY: EP

PROJECT NUMBER: D07.14008.01
DATE: 08/15/2015

SHEET TITLE

DETAILS - CAST
STONE RESTORATION

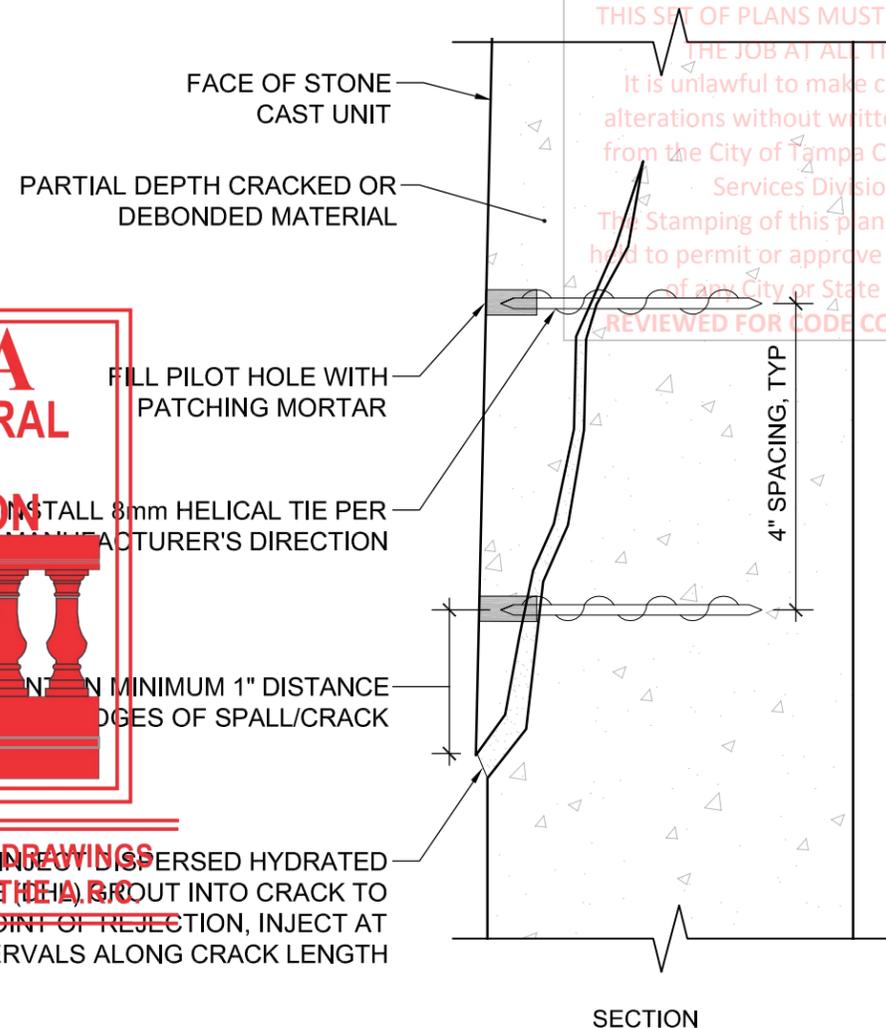
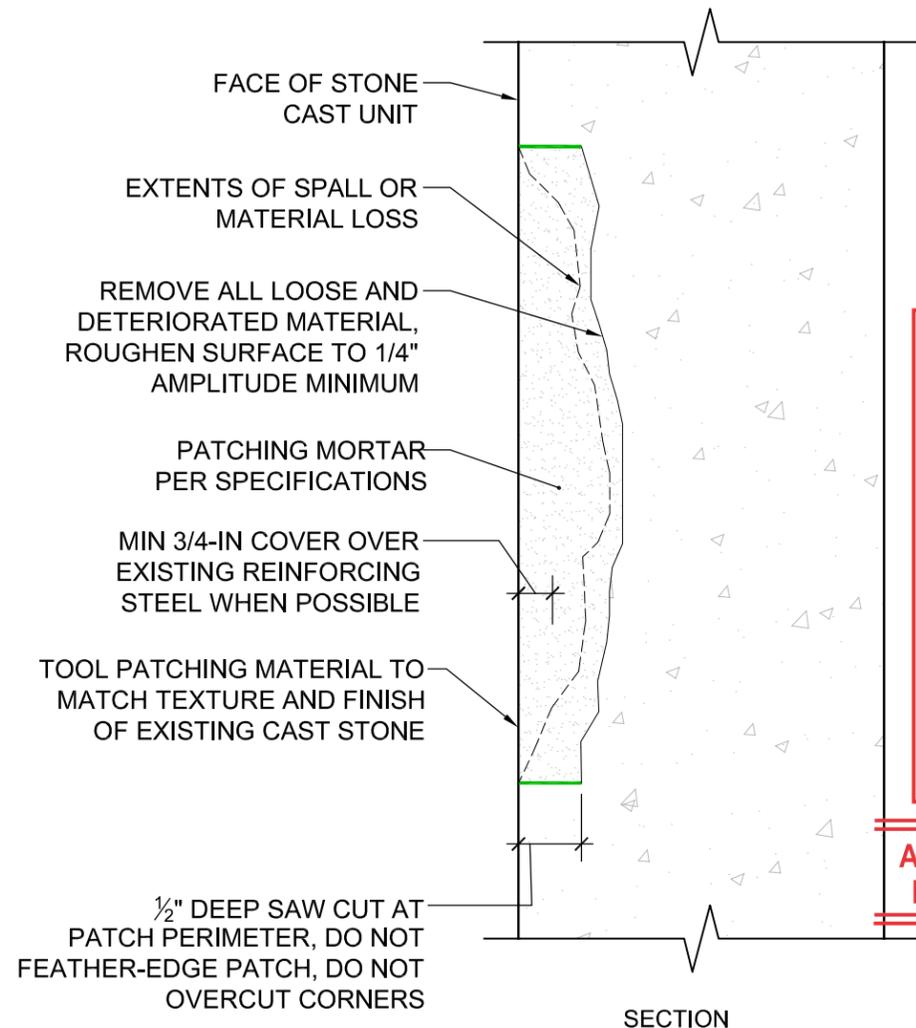
SHEET NUMBER

S5.2

**City of Tampa
CONSTRUCTION SERVICES DIVISION**
PLAN APPROVAL
Sep 29, 2016
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The Stamping of this plan shall not be
held to permit or approve the violation
of any City or State Codes
REVIEWED FOR CODE COMPLIANCE



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NOTE: WHERE MINIMUM 1/2" DEPTH OF PATCHING MATERIAL CANNOT BE ACHIEVED, USE THIN-SET PATCHING MATERIAL AS SPECIFIED

**TYPICAL DETAIL -
PATCHING CAST STONE**

1
NTS

**TYPICAL DETAIL -
INSTALLING HELICAL TIES**

2
NTS

FILE: \\ORL-SERVER\Projects\007\2014\14008-01_Tampa_WTP_Construction_Documents\CADD\Sheets\S52.dwg

PROJECT NAME
D.L. TIPPIN WATER TREATMENT FACILITY REPAIRS TO HISTORIC FILTER BUILDING

CLIENT
CITY OF TAMPA WATER DEPARTMENT
CERTIFICATE OF AUTHORIZATION No. 3818

JAVIER BALMA, PH.D., P.E.
FL PE LICENSE No. 69683

NO.	DATE	DESCRIPTION
1	01/05/2015	75% PROGRESS SET
2	05/12/2015	90% PROGRESS SET
3	05/16/2016	95% PROGRESS SET
4	08/15/2016	100% SET

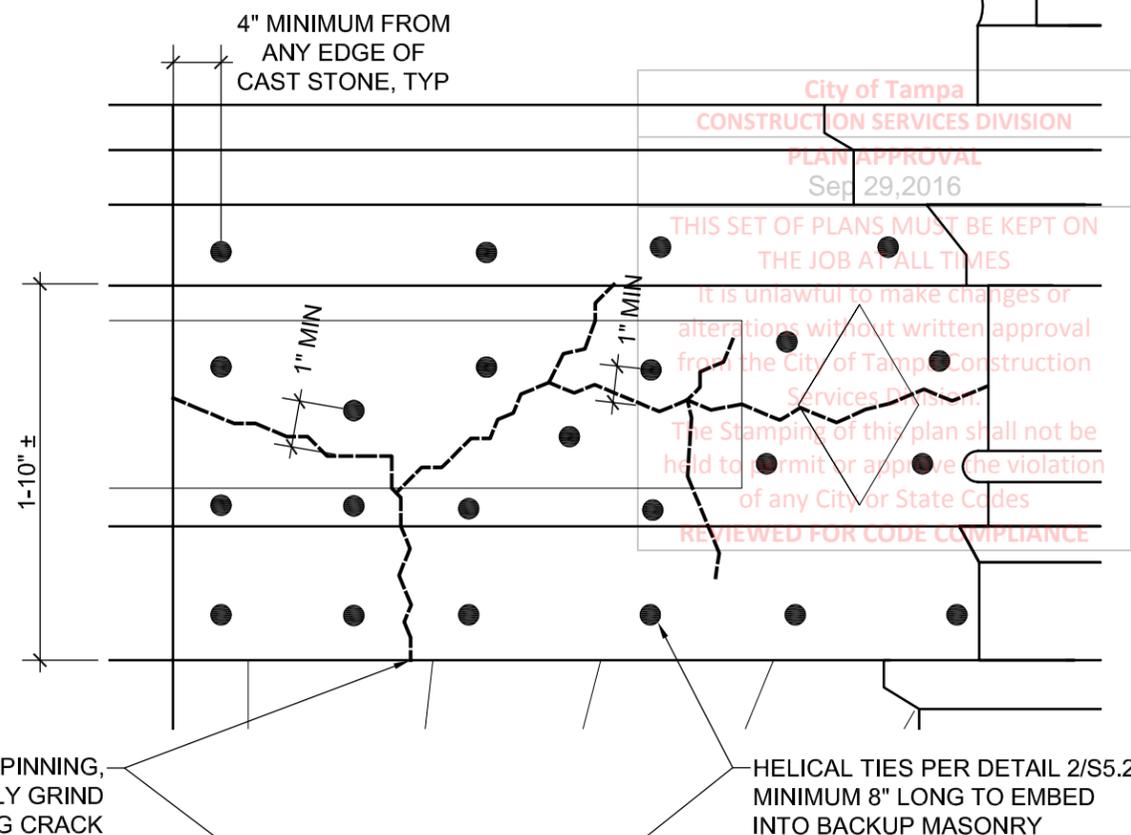
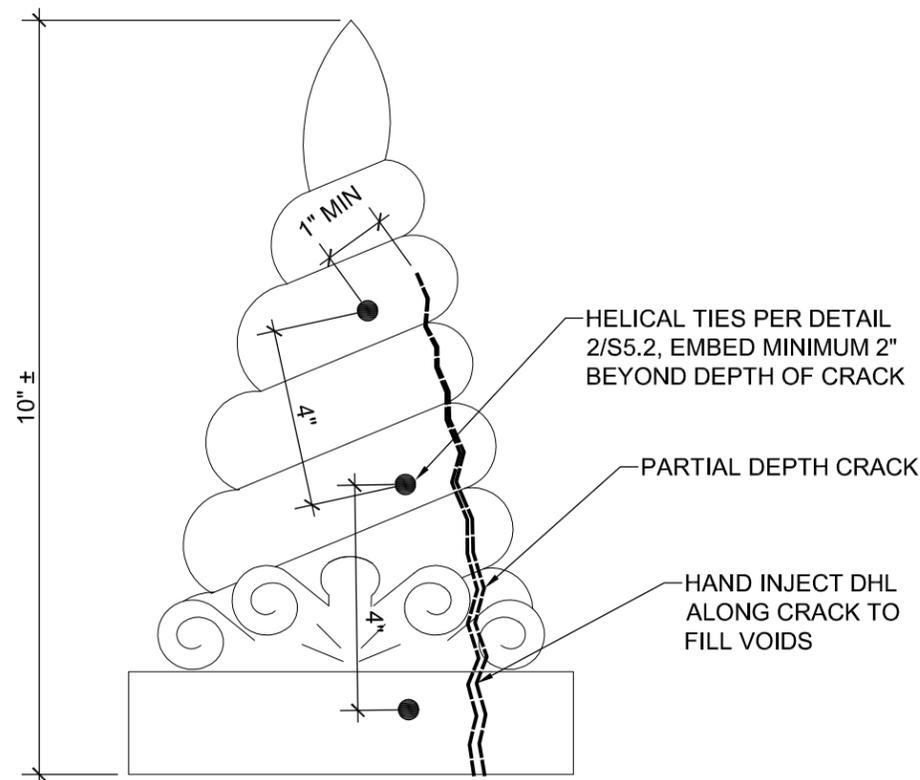
DESIGNED BY	JB
REVIEWED BY	RMB
DRAWN BY	EP
PROJECT NUMBER	D07.14008.01
DATE	08/15/2015

SHEET TITLE

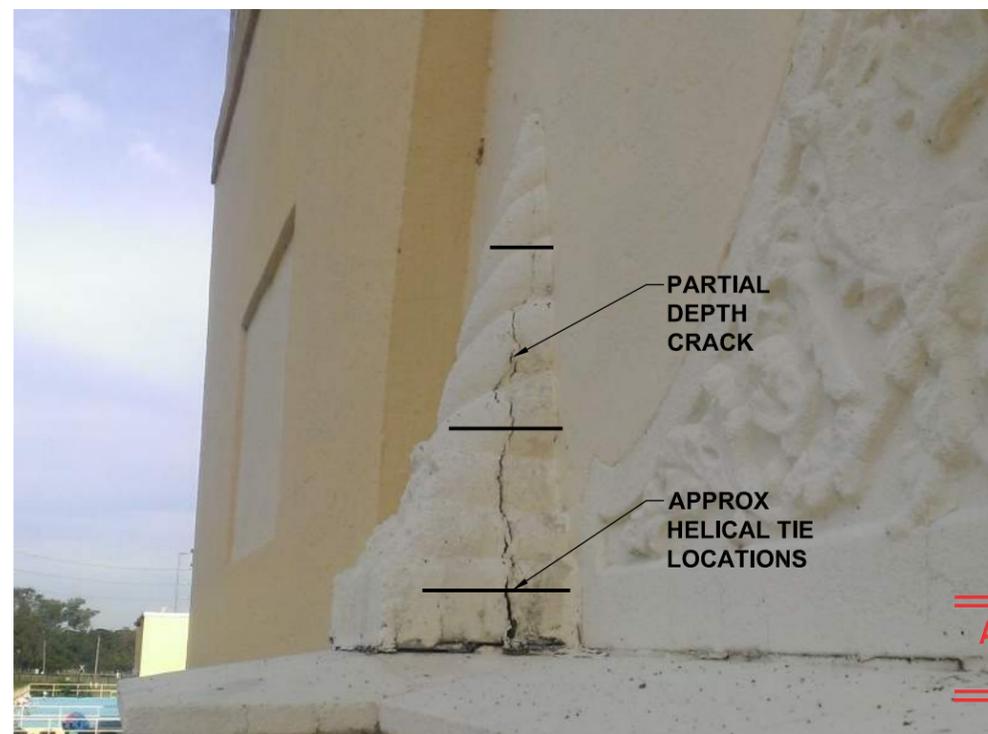
DETAILS - CAST STONE RESTORATION

SHEET NUMBER

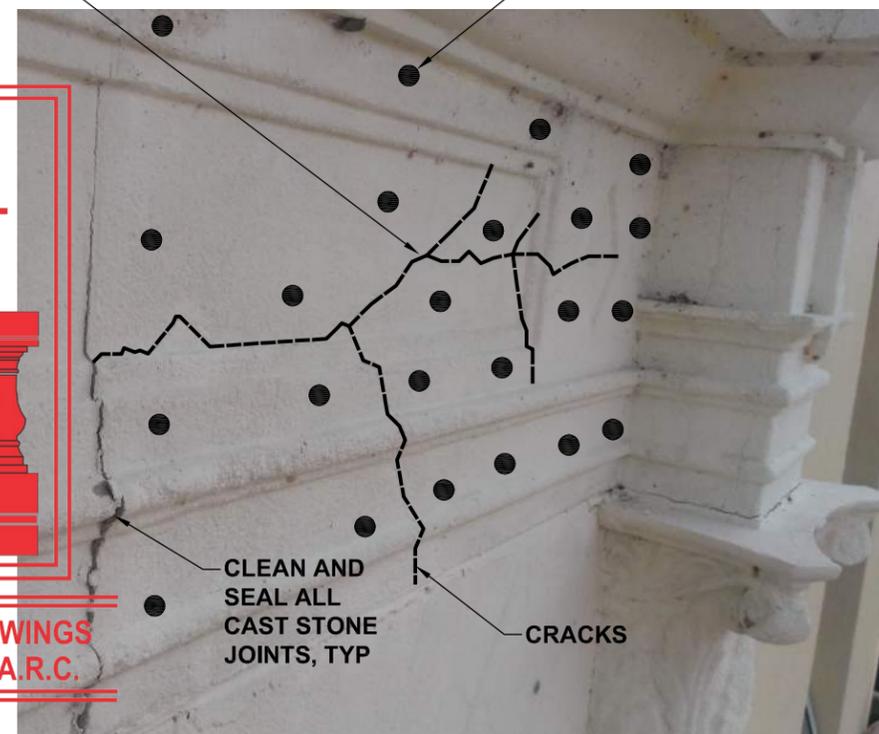
S5.3



City of Tampa
CONSTRUCTION SERVICES DIVISION
PLAN APPROVAL
Set 29, 2016
THIS SET OF PLANS MUST BE KEPT ON THE JOB AT ALL TIMES
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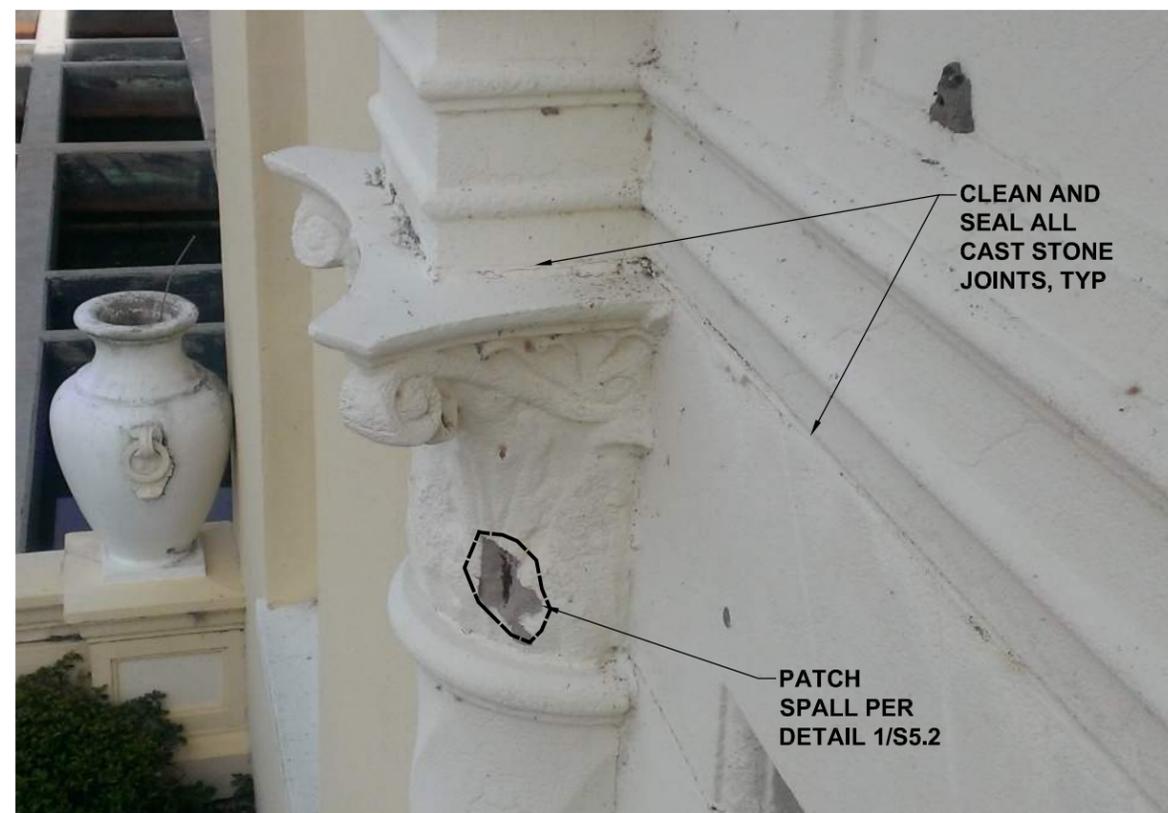
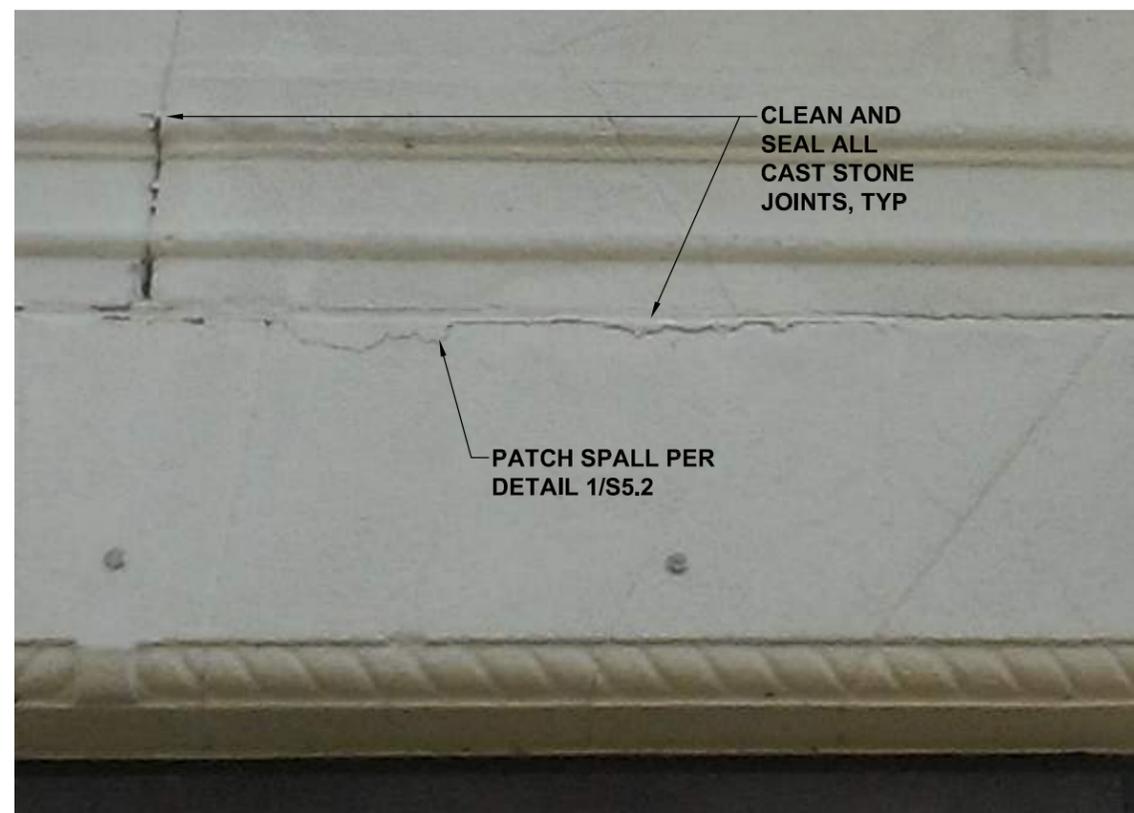
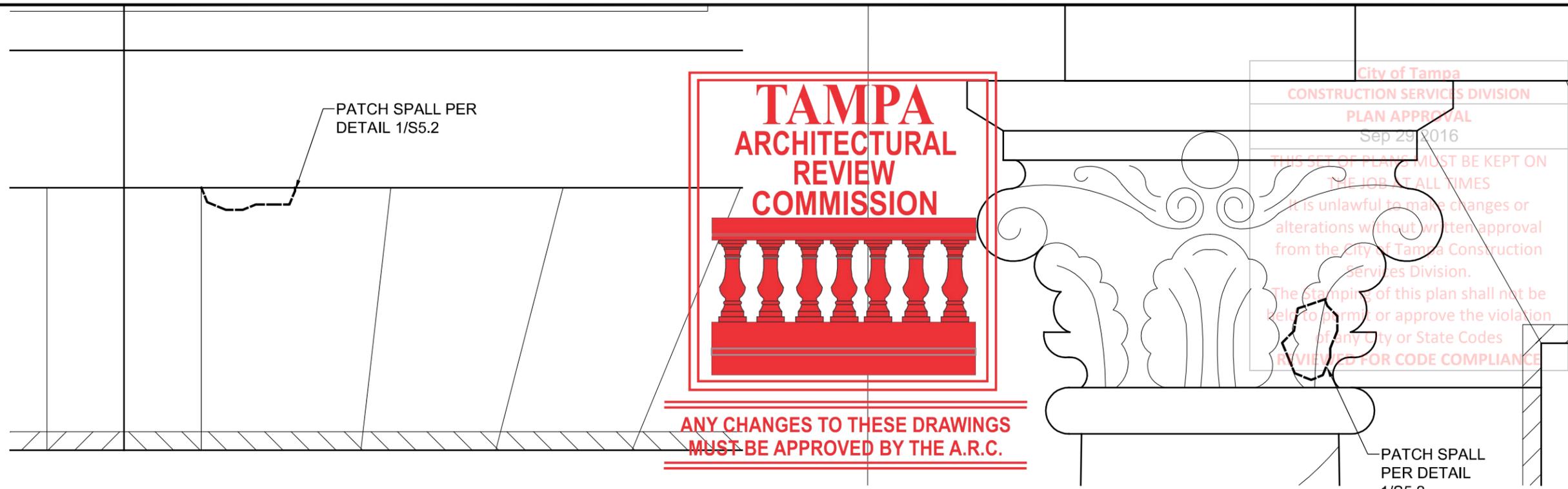


1 NTS REPAIR AT FINIAL

2 NTS REPAIR AT CENTRAL PANEL

PROJECT NAME
**D.L. TIPPIN WATER
TREATMENT FACILITY
REPAIRS TO HISTORIC
FILTER BUILDING**

CLIENT
**CITY OF TAMPA
WATER DEPARTMENT**
CERTIFICATE OF AUTHORIZATION No. 3818



JAVIER BALMA, PH.D., P.E.
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PROJECT NUMBER	D07.14008.01
DATE	08/15/2015
SHEET TITLE	

1 CAST STONE PATCH
NTS

2 PATCH CAST STONE
NTS

DETAILS - CAST
STONE RESTORATION
SHEET NUMBER

PROJECT NAME
**D.L. TIPPIN WATER
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DRAWN BY	EP
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SHEET TITLE	

**DETAILS - CAST
STONE RESTORATION**

SHEET NUMBER

S5.6

PROTECT
ADJACENT
DOOR FRAME

PROTECT
ADJACENT
CAST STONE



LOSS AT FACE OF JAMB UNIT



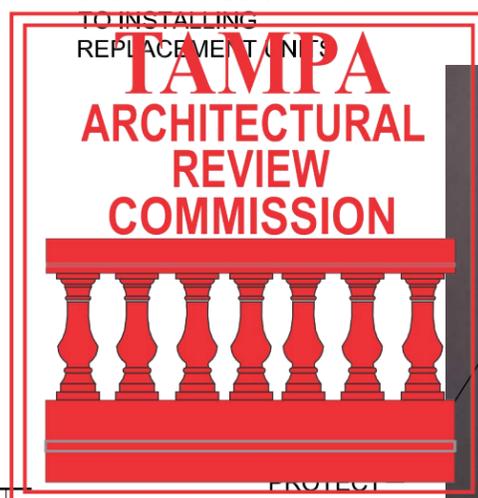
DAMAGE AT SIDE OF JAMB UNIT



DAMAGE AT SIDE OF JAMB UNIT

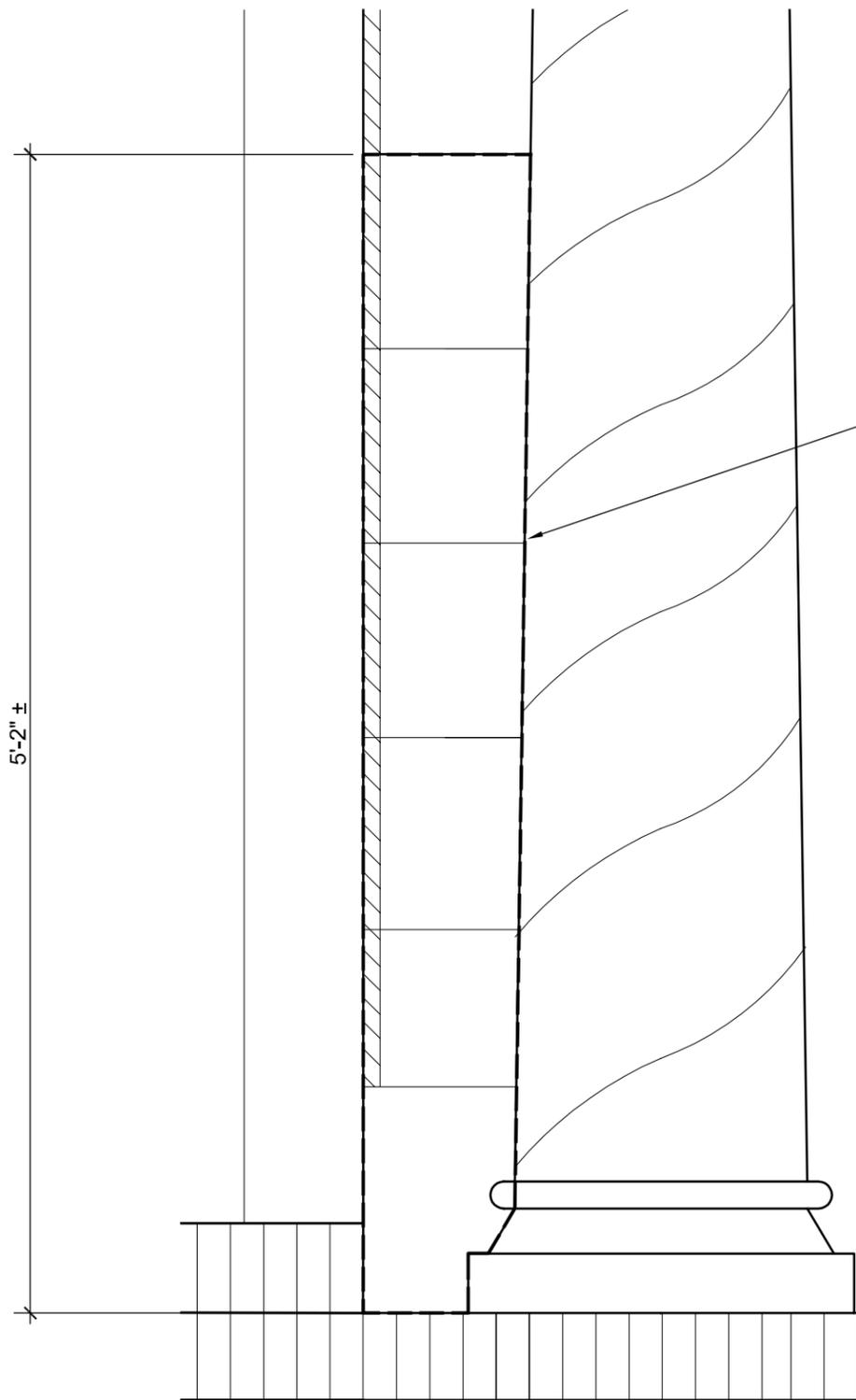
REMOVE EXISTING
DAMAGED JAMB UNIT TO
EXTENTS SHOWN:

- EXISTING UNIT IS ASSUMED TO BE 4" DEEP
- SALVAGE DECORATIVE FACE FOR CAST STONE REPLACEMENT UNIT MANUF'S USE
- SHORE UNITS ABOVE DURING WORK
- PROTECT DOOR FRAME FROM DAMAGE DURING DEMOLITION
- REPAIR ANY DAMAGED BACKUP MASONRY PRIOR TO INSTALLING REPLACEMENT UNITS



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PROTECT
ADJACENT
DOOR FRAME



1 DAMAGED JAMB PANELS
NTS

PROJECT NAME
**D.L. TIPPIN WATER
TREATMENT FACILITY
REPAIRS TO HISTORIC
FILTER BUILDING**

CLIENT
**CITY OF TAMPA
WATER DEPARTMENT**
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**City of Tampa
CONSTRUCTION SERVICES DIVISION**

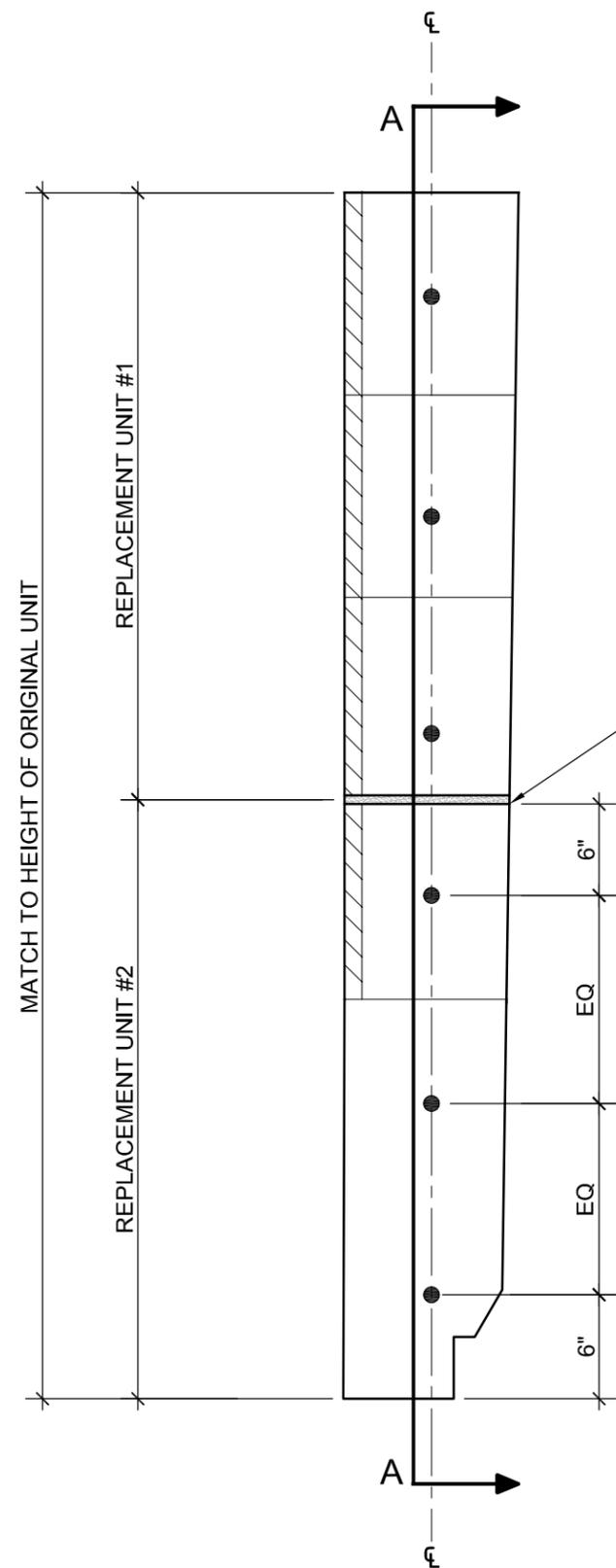
PLAN APPROVAL
Sep 29, 2016

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NO ALTERATION OF THIS PLAN SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE CITY OF TAMPA CONSTRUCTION SERVICES DIVISION OR ANY CITY OR STATE CODES
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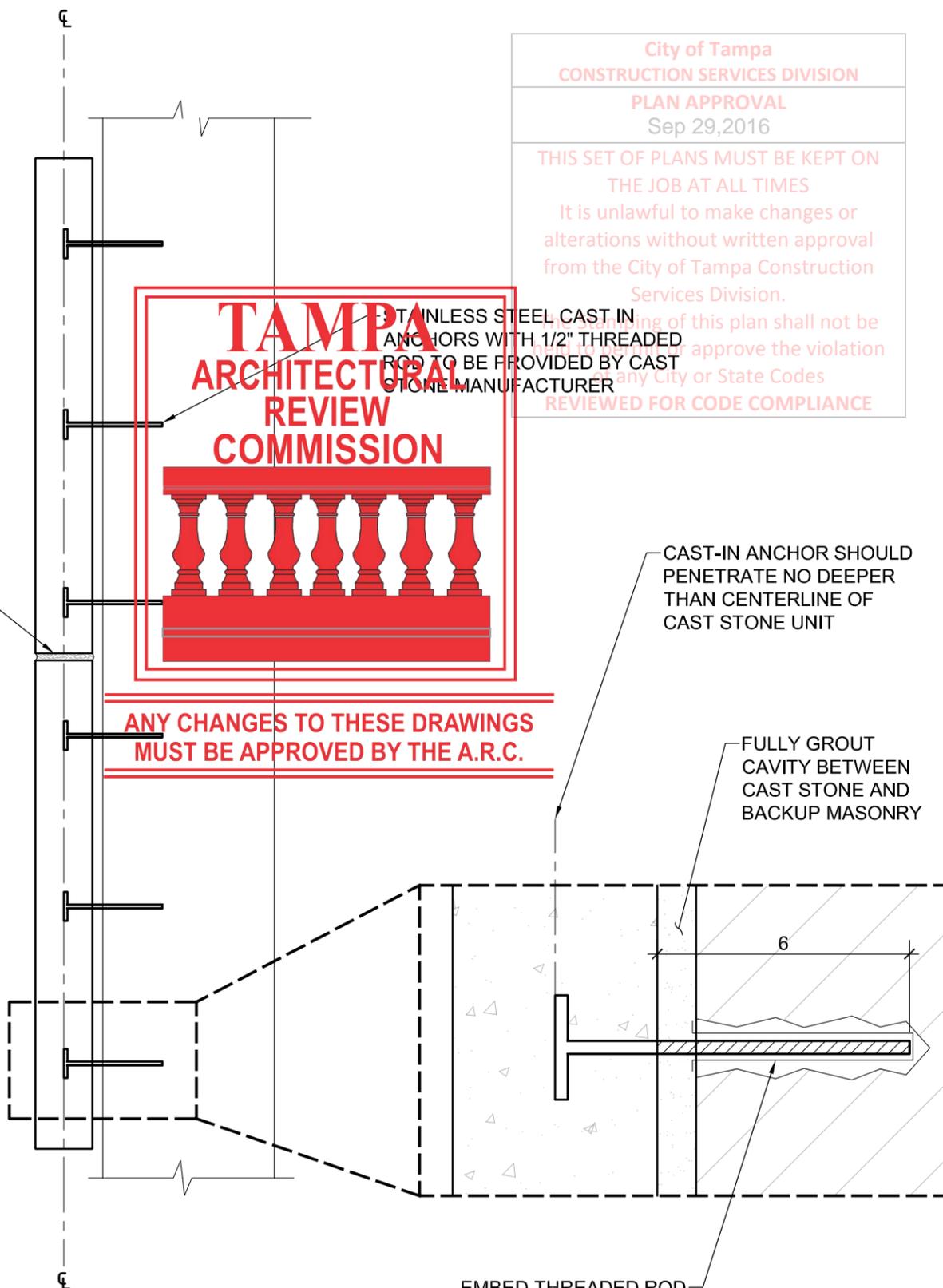
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3/8"
MORTAR
JOINT

CAST-IN ANCHOR SHOULD
PENETRATE NO DEEPER
THAN CENTERLINE OF
CAST STONE UNIT

FULLY GROUT
CAVITY BETWEEN
CAST STONE AND
BACKUP MASONRY



EMBED THREADED ROD
INTO EXISTING MASONRY
USING HILTI HY 20 EPOXY
AND STAINLESS STEEL
SCREEN TUBES

JAVIER BALMA, PH.D., P.E.
FL PE LICENSE No. 69683

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**DETAILS - CAST
STONE RESTORATION**
SHEET NUMBER

1 **REPLACEMENT JAMB PANELS**
NTS

SECTION "A-A"