ID CODE	DETERIORATION ITEM	UNIT	SYMBOL	DRAWING
CLN 01	MASONRY SURFACE STAIN REMOVAL	SF		SPEC. 4510
CON 01	CONCRETE COLUMN ENCASEMENT REPAIR	LI	<b>~~~</b>	A312
CON 02	CONCRETE SPALL REPAIR	SI		A312
CON 03	CONCRETE SHALLOW SPALL REPAIR	LI		A312
CON 04	CONCRETE BEAM ENCASEMENT REPAIR	LF		A312
CON 06	CONCRETE CRACK REPAIR	LF		A312
COR 01	BRICK MASONRY CORNER RECONSTRUCTION	SF		A313
CUP 01	AUDITORIUM CUPOLA REPLACEMENT	EA		A409
DOR 01	DOOR REPLACEMENT	EA		A910
FAS 01	CLASSROOM BUILDING FASCIA REPLACEMENT	LF		A406
JNT 01	TYPICAL EXPANSION JOINT	LF		A301
JNT 02	SEALANT JOINT REPLACEMENT AT WINDOW PERIMETER	LF		A301
JNT 03	SILL POINTING & SEALANT REPLACEMENT	LF		A301
JNT 04	LED CAP INSTALLATION AT SKY JOINTS	LF		A309
LTL 01	STEEL LINTEL REPLACEMENT	LF	<u> </u>	A307

±11'-0"

±36'-0"

TRC 02

(TRC 09

TRC 05

100% OF WINDOWS

PNT 02

STN 01

STN 01

RETROFIT EXISTING LIGHT— FIXTURES FRAMING ENTRANCES ON THIS

MAIN BUILDING

EAST ELEVATION - A

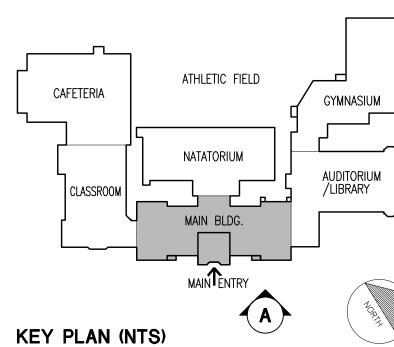
FACADE. SEE "LIGHT FIXTURE ELECTRICAL RETROFIT" NOTE ABOVE

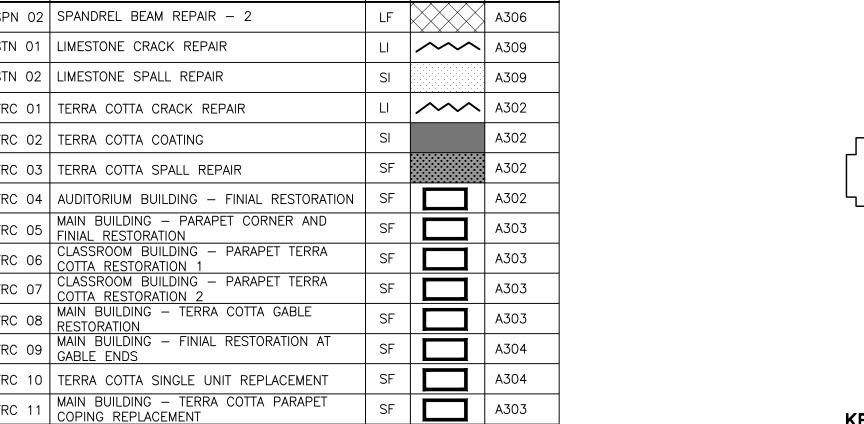
ID CODE	DETERIORATION ITEM	UNIT	SYMBOL	DRAWING
LTL 02	STEEL LINTEL REPLACEMENT	LF	·//////////	A308
LTL 03	STEEL LINTEL REPLACEMENT	LF	111111111111111111111111111111111111111	A308
LTL 04	STEEL LINTEL REPLACEMENT	LF	1//////////////////////////////////////	A313
MAS 01	BRICK MASONRY CRACK REPAIR	LF	~~~	A309
MAS 02	LIMESTONE WINDOW MULLION REPLACEMENT	SF		A310
MAS 03	BRICK MASONRY REPLACEMENT	SF		A309
MAS 04	SINGLE UNIT LIMESTONE REPLACEMENT	LF		A310
MAS 05	MULTI-UNIT LIMESTONE REPLACEMENT	SF		A310
MAS 06	LIMESTONE/ BRICK PIER RECONSTRUCTION	VLF		A311
PNT 01	BRICK POINTING: TYPICAL	SF		A301
PNT 02	LIMESTONE POINTING: TYPICAL	LF		A301
PNT 03	TERRA COTTA POINTING: TYPICAL	LF		A301
RAI 01	ROOF MOUNTED RAILING INSTALLATION	LF	-	A410
SIL 01	TERRA COTTA SILL REPLACEMENT	LF		A304
SPN 01	SPANDREL BEAM REPAIR - 1	LF		A305

±23'-6"

ALL COPING UNITS WITHIN BOX (EITHER SIDE OF TOWER)

ID CODE	DETERIORATION ITEM	UNIT	SYMBOL	DRAWING
SPN 02	SPANDREL BEAM REPAIR - 2	LF		A306
STN 01	LIMESTONE CRACK REPAIR	LI	<b>~~~</b>	A309
STN 02	LIMESTONE SPALL REPAIR	SI		A309
TRC 01	TERRA COTTA CRACK REPAIR	LI	<b>~~~</b>	A302
TRC 02	TERRA COTTA COATING	SI		A302
TRC 03	TERRA COTTA SPALL REPAIR	SF		A302
TRC 04	AUDITORIUM BUILDING - FINIAL RESTORATION	SF		A302
TRC 05	MAIN BUILDING — PARAPET CORNER AND FINIAL RESTORATION	SF		A303
TRC 06	CLASSROOM BUILDING — PARAPET TERRA COTTA RESTORATION 1	SF		A303
TRC 07	CLASSROOM BUILDING — PARAPET TERRA COTTA RESTORATION 2	SF		A303
TRC 08	MAIN BUILDING — TERRA COTTA GABLE RESTORATION	SF		A303
TRC 09	MAIN BUILDING — FINIAL RESTORATION AT GABLE ENDS	SF		A304
TRC 10	TERRA COTTA SINGLE UNIT REPLACEMENT	SF		A304
TRC 11	MAIN BUILDING — TERRA COTTA PARAPET COPING REPLACEMENT	SF		A303





±30'-6"

TRC 09

BEHIND.

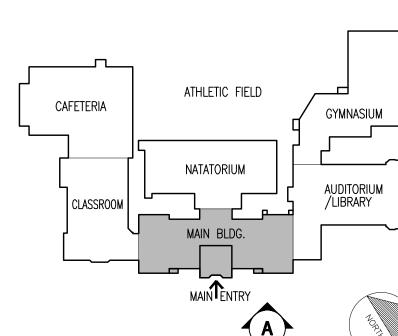
TRC 08

TRC 05

STN 01

SOLDER DISPLACED LOUVER FIN AND -

REPLACE EXISTING BIRD MESH



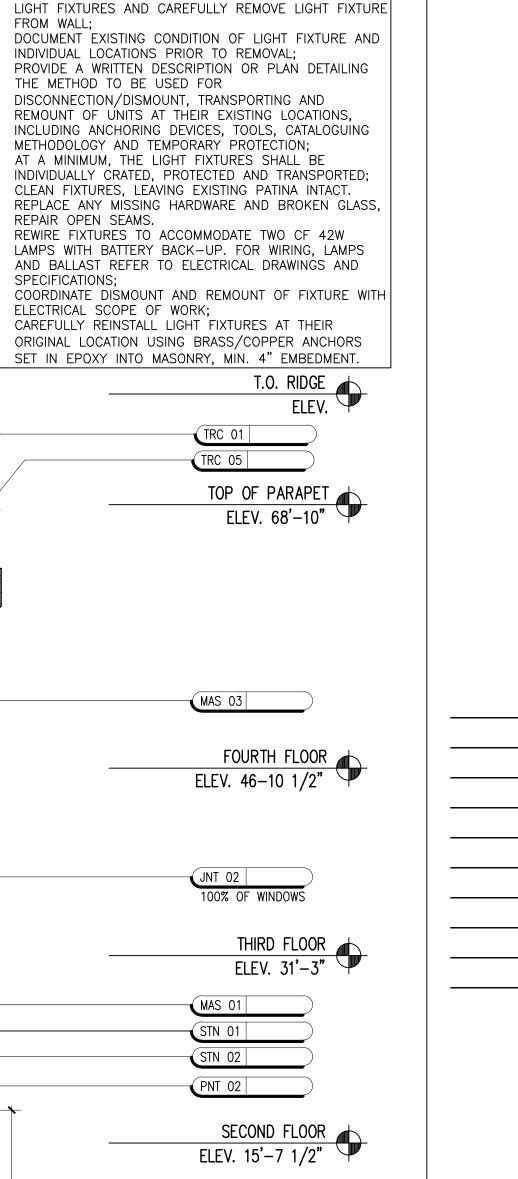
SCALE: 1/8" = 1'-0"

**. . . . . . . . . . . . .** 

±11'-0"

±36'-0"

\* | **\*** 



<u>LIGHT FIXTURE RETROFIT NOTES:</u>
1. DISCONNECT ELECTRICAL CONNECTION TO EXISTING

THE METHOD TO BE USED FOR

SPECIFICATIONS;

ELECTRICAL SCOPE OF WORK;

TRC 05

MAS 03

JNT 02

STN 01

STN 02

RETROFIT EXISTING LIGHT FIXTURES FRAMING ENTRANCES ON THIS FACADE.

SEE "LIGHT FIXTURE ELECTRICAL RETROFIT" NOTE ABOVE

FIRST FLOOR

ELEV. 0'-0"

GRADE

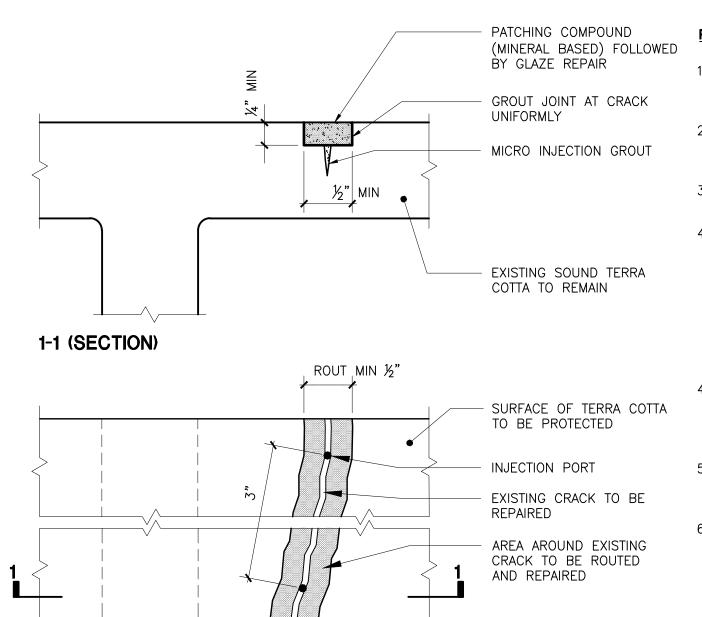
ELEV.

Drawing Title:

MAIN BUILDING EAST ELEVATION

Sheets in Contract Set: 23 **of 132** 

Sheets in DOB Set: 23 **of 92** 

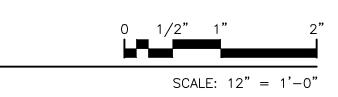


#### RESTORATION INSTRUCTIONS

- 1. OBTAIN SAMPLE OF THE EXISTING TERRA COTTA AND SEND TO PRODUCT MANUFACTURER TO OBTAIN MATCHING AND COMPATIBLE REPAIR MATERIAL.
- 2. SAW CUT AND ROUT ALONG EXISTING CRACK TO A MINIMUM DEPTH OF 1/4" TO REMOVE ALL DETERIORATED TERRA COTTA.
- 3. CLEAN ROUTED AREA BY USING A STIFF BRUSH AND POTABLE WATER.
- 4A. VERTICAL SURFACE:

SEAL CRACK.

- a. DRILL, INSERT AND SECURE INJECTION PORT. b. APPLY TERRA COTTA PATCHING MORTAR TO
- c. INJECT MICRO INJECTION ADHESIVE GROUT AS PER CONTRACTOR'S RECOMMENDATIONS. ALLOW TIME FOR CURING.
- d. CUT AND REMOVE PORTS.
- 4B. HORIZONTAL SURFACE:
- a. GRAVITY FEED MICRO INJECTION ADHESIVE GROUT AS PER CONTRACTOR'S RECOMMENDATION ALLOW TIME FOR CURING.
- 5. WET ROUTED SURFACE AND APPLY RESTORATION MORTAR AS PER MANUFACTURER RECOMMENDATIONS. AVOID FEATHERING.
- 6. REPAIR EXISTING TERRA COTTA GLAZE WITH GLAZE REPAIR SYSTEM AS PER TRC 02.



## TERRA COTTA CRACK REPAIR

**ELEVATION** 

**TRC 01** 

APPLICATION OF GLAZE REPAIR TO AREAS OF FAILED GLAZING OR REPAIRED TERRA COTTA PER TRC 01 OR TRC 03

COATING SAMPLES: PREPARE A SAMPLE OF EACH TYPE OF REPAIR. PREPARE, INSTALL AND FINISH EACH SAMPLE ACCORDING TO THE SPECIFICATIONS. ALL SAMPLES MUST BE APPLIED TO MASONRY. ALLOW SAMPLES TO CURE AT LEAST THREE DAYS BEFORE CONTACTING AUTHORITY FOR APPROVAL OF THE COLOR MATCH. A CUSTOM COLOR MATCH WILL BE NECESSARY. EXISTING TERRA COTTA HAS SMALL SPECKLES THAT HAVE TO BE MATCHED.

PERFORM MOCK-UPS TO DETERMINE COMPATIBILITY OF MATERIALS.

REMOVE DUST AND ANY LOOSE PARTICULES FROM THE SURFACES TO RECEIVE COATINGS IMMEDIATELY PRIOR TO COATING APPLICATION. ANY MILDEW, ALGAE, FUNGUS, BIRD GUANO SHOULD ALSO BE REMOVED IF PRESENT.

DO NOT WORK WHEN PRECIPITATION IS EXPECTED WITHIN 48 HRS OF INSTALLATION.

PROTECT ALL SURFACES THAT WILL NOT BE COATED.

WHEN COATING RECENTLY REPAIRED TERRA COTTA, ALLOW IT TO HAVE CURED FOR 14 TO 28 DAYS PRIOR TO APPLYING GLAZE REPAIR. FREE WATER AND SOLUBLE ALKALINE SALTS REMAINING IN THE MORTAR MAY CONTAMINATE COATINGS AND EVENTUALLY CAUSE FAILURE OF THE REPAIR AREA. CHECK FOR THE PRESENCE OF SURFACE MOISTURE PER MANUFACTURER'S RECOMMENDATION PRIOR TO APPLYING GLAZE REPAIR.

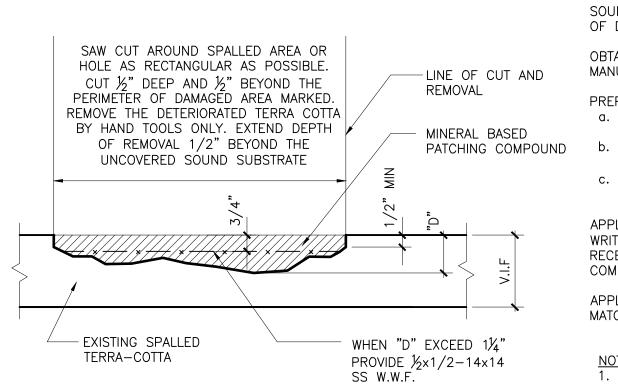
APPLY THE RECOMMENDED PRIMER TO THE SURFACE OF TERRA COTTA TO RECEIVE THE GLAZING REPAIR. IF USING A PRIMER, THE GLAZING PRODUCT SHOULD BE APPLIED OVER IT WITHIN 7 DAYS OR AS RECOMMENDED BY MANUFACTURER.

APPLY THE TERRA COTTA GLAZE REPAIR SYSTEM DIRECTLY TO THE TERRA COTTA OR REPAIRED AREA USING BRUSH, ROLLER OR SPRAYER, ALLOW MANUFACTURER'S SPECIFIED DRYING TIME AND ENSURE PROPER COATING ADHESION OF EACH COAT BEFORE APPLYING NEXT COAT. WHERE COATING APPLICATION ABUTS OTHER MATERIALS OR OTHER GLAZED SURFACE, TERMINATE COATING, MAKING A SHARP TERMINATION LINE WITHOUT COATING OVERLAP.

DO NOT COAT MORTAR JOINTS WITH TERRA COTTA GLAZE REPAIR SYSTEM. THIS WILL AFFECT VAPOR PERMEABILITY OF THE MORTAR JOINT.

# **TRC 02**

### TERRA COTTA GLAZE REPAIR



**TRC 03** 

TERRA COTTA SPALL REPAIR

#### VISUALLY SURVEY TERRA COTTA AREA.

SOUND AREA AROUND EXISTING TERRA COTTA SPALLING AND MARK EXTENT OF DAMAGE. ONLY USE WOODEN MALLET FOR SOUNDING.

OBTAIN SAMPLE OF THE EXISTING TERRA COTTA AND SEND TO PRODUCT MANUFACTURER TO OBTAIN MATCHING AND COMPATIBLE PATCHING MORTAR.

- PREPARE AREA TO RECEIVE PATCH IN THE FOLLOWING WAY: a. REMOVE ALL LOOSE AND DETERIORATED MATERIAL FROM THE REPAIR
- AREA USING MANUAL TOOLS. AREAS TO BE REPAIRED SHOULD BE CUT TO PROVIDE A MINIMUM OF
- $lak{1}{5}$ " DEPTH. DO NOT INSTALL REPAIRS ON FEATHERED EDGE. c. WASH THE PREPARED SURFACE WITH CLEAN WATER AND BRISTLE BRUSH TO REMOVE DUST FROM PORES.

APPLY PATCHING COMPOUND (MINERAL BASED) AS PER MANUFACTURER'S WRITTEN INSTRUCTIONS. MOISTEN THE SURFACE TO RECEIVE PATCH WITH CLEAN WATER PRIOR TO APPLYING PATCHING

APPLY GLAZE REPAIR COAT AS PER TRC 02 TO PATCHED SURFACE TO MATCH EXISTING ADJACENT TERRA COTTA GLAZE.

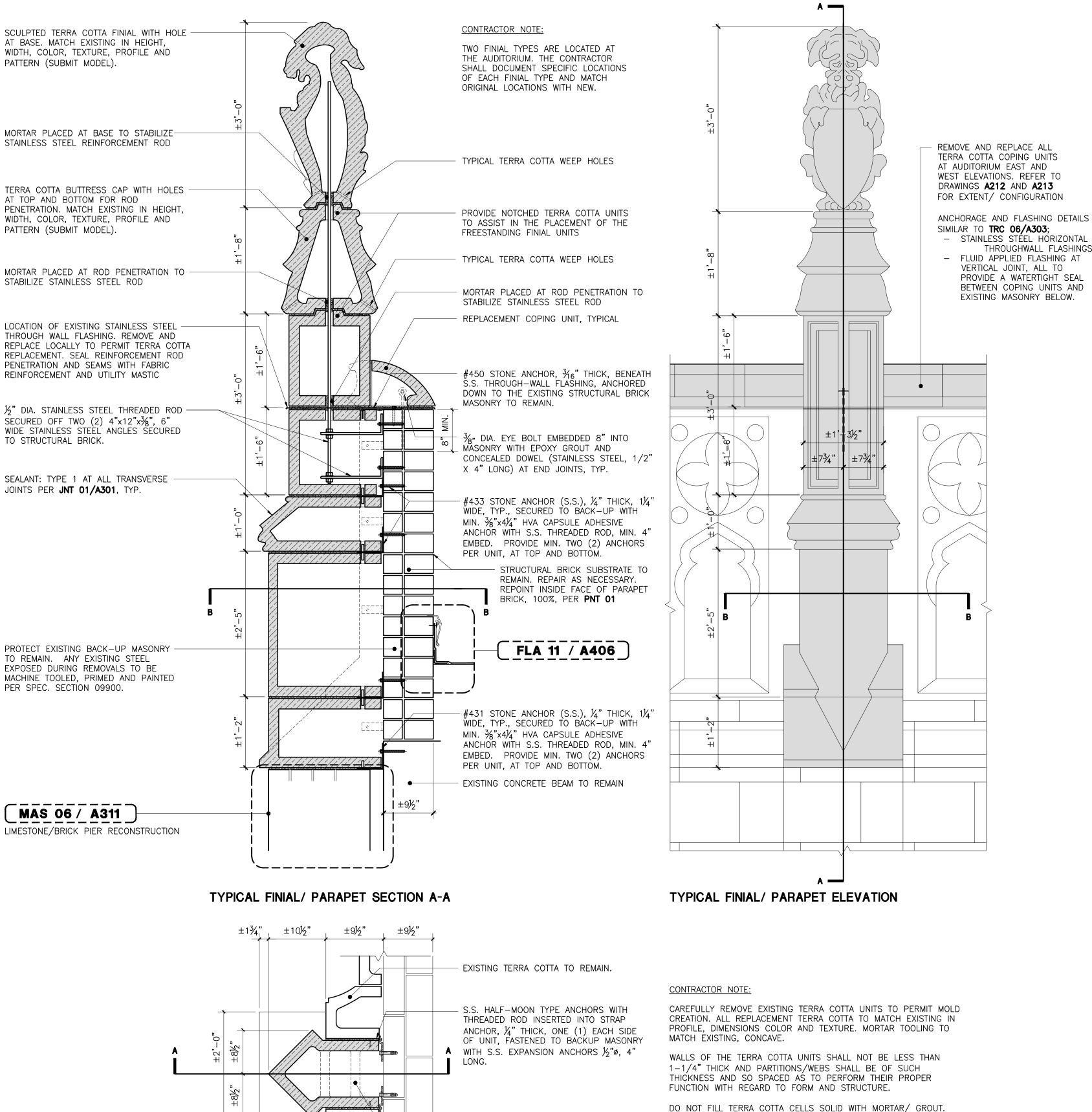
COMPOUND.

1. REPAIRS TO MATCH EXISTING TERRA-COTTA IN COLOR, SHAPE AND

- 2. APPLY THE MORTAR MIX USING A TROWELL TO A MAXIMUM THICKNESS
- OF 3". 3. BUILD UP PATCHING MATERIAL SLIGHTLY ABOVE ADJACENT MASONRY
- 4. FOLLOW MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.

# TRC 04 **AUDITORIUM BUILDING - FINIAL RESTORATION**

TYPICAL PLAN B-B



TERRA COTTA PARTITIONS/WEB LOCATIONS

PER MANUFACTURER'S RECOMMENDATIONS

DO NOT FILL TERRA COTTA CELLS SOLID WITH MORTAR/ GROUT.

ALL DIMENSIONS ARE APPROXIMATE AND ARE TO BE FIELD VERIFIED

BY THE CONTRACTOR.

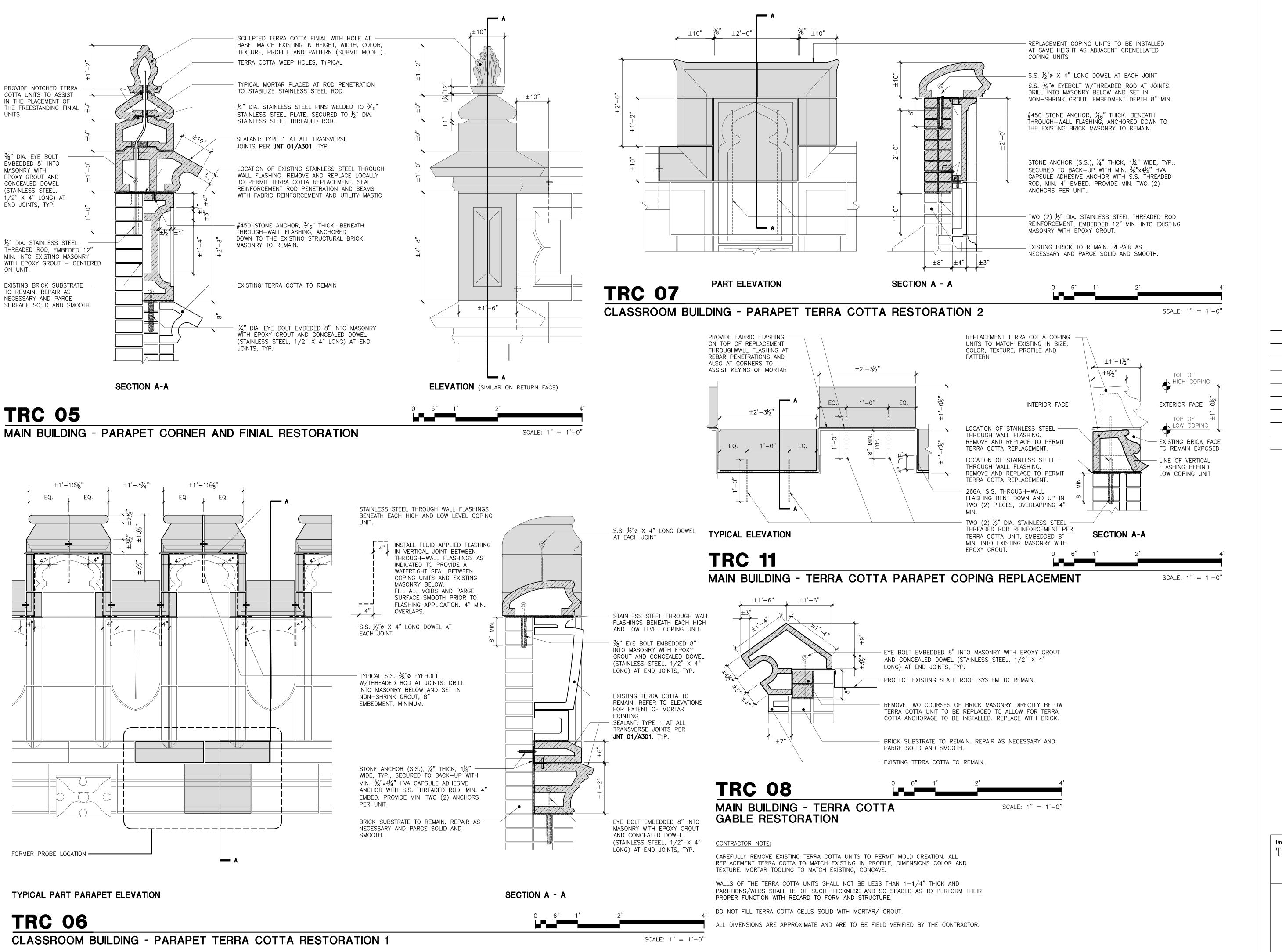
SCALE: 1" = 1'-0"

Sheets in Contract Set:

TERRA COTTA REPAIR DETAILS - 1

38 **of 132** 

Sheets in DOB Set: 38 **of 92** 



SUPER STRUCTURES

+ ENGINEERS
ARCHITECTS

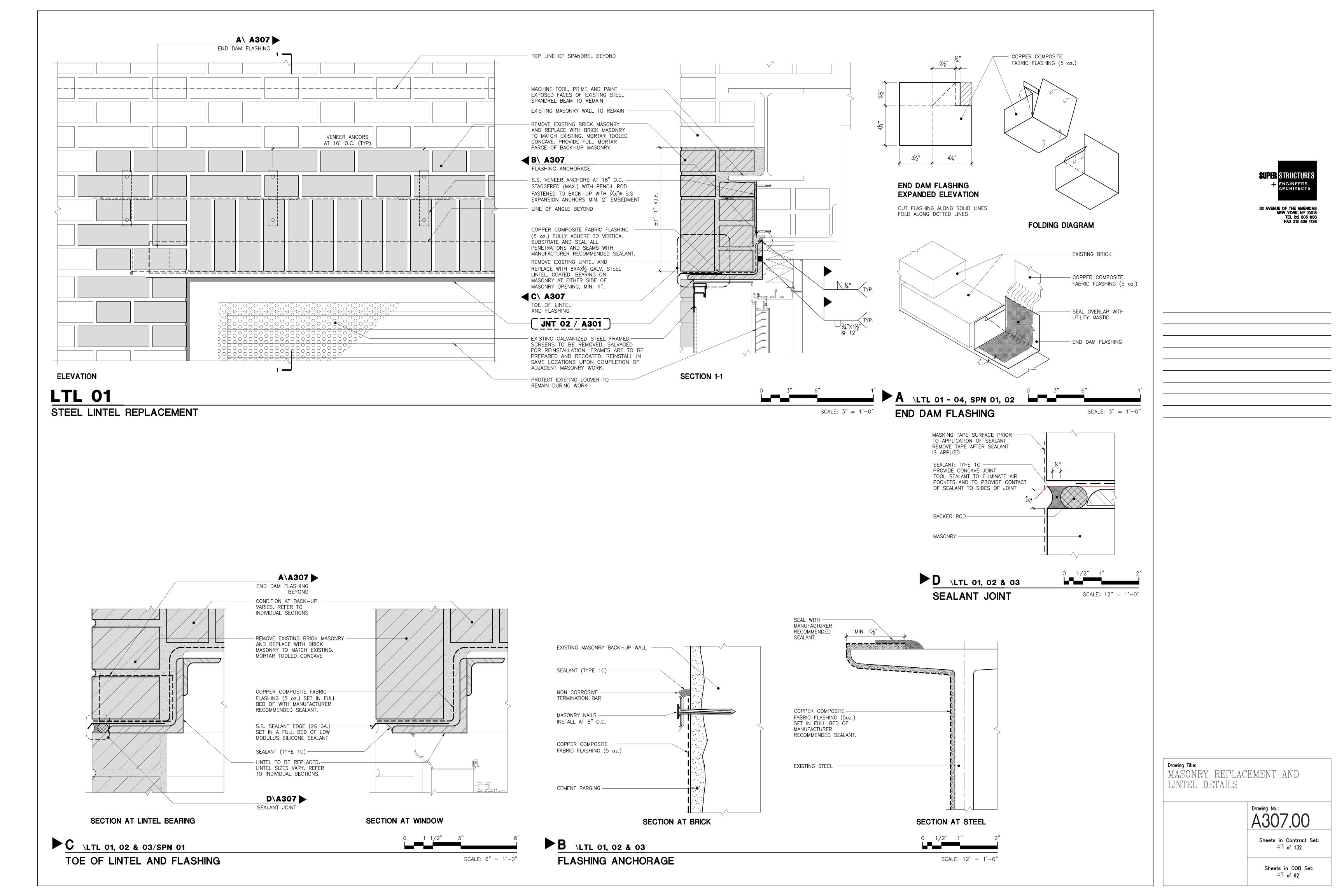
32 AVENUE OF THE AMERICAS
NEW YORK, NY 10013
TEL 242 505 1932

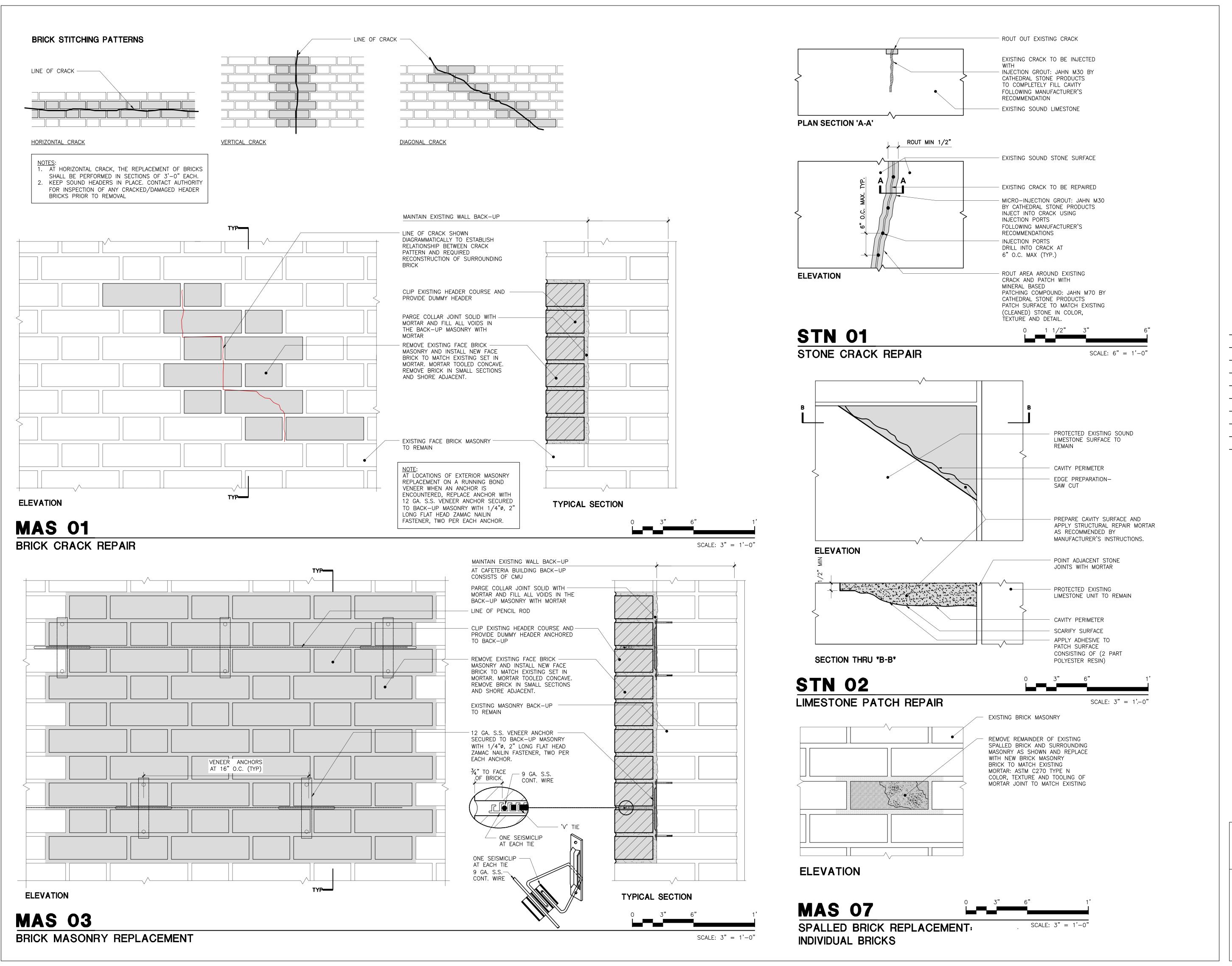
Drawing Title:
TERRA COTTA REPAIR DETAILS — 2

A303.00

Sheets in Contract Set: 39 of 132

Sheets in DOB Set: 39 of 92





SUPER STRUCTURES

+ ENGINEERS
ARCHITECTS

32 AVENUE OF THE AMERICAS
NEW YORK, NO 1003

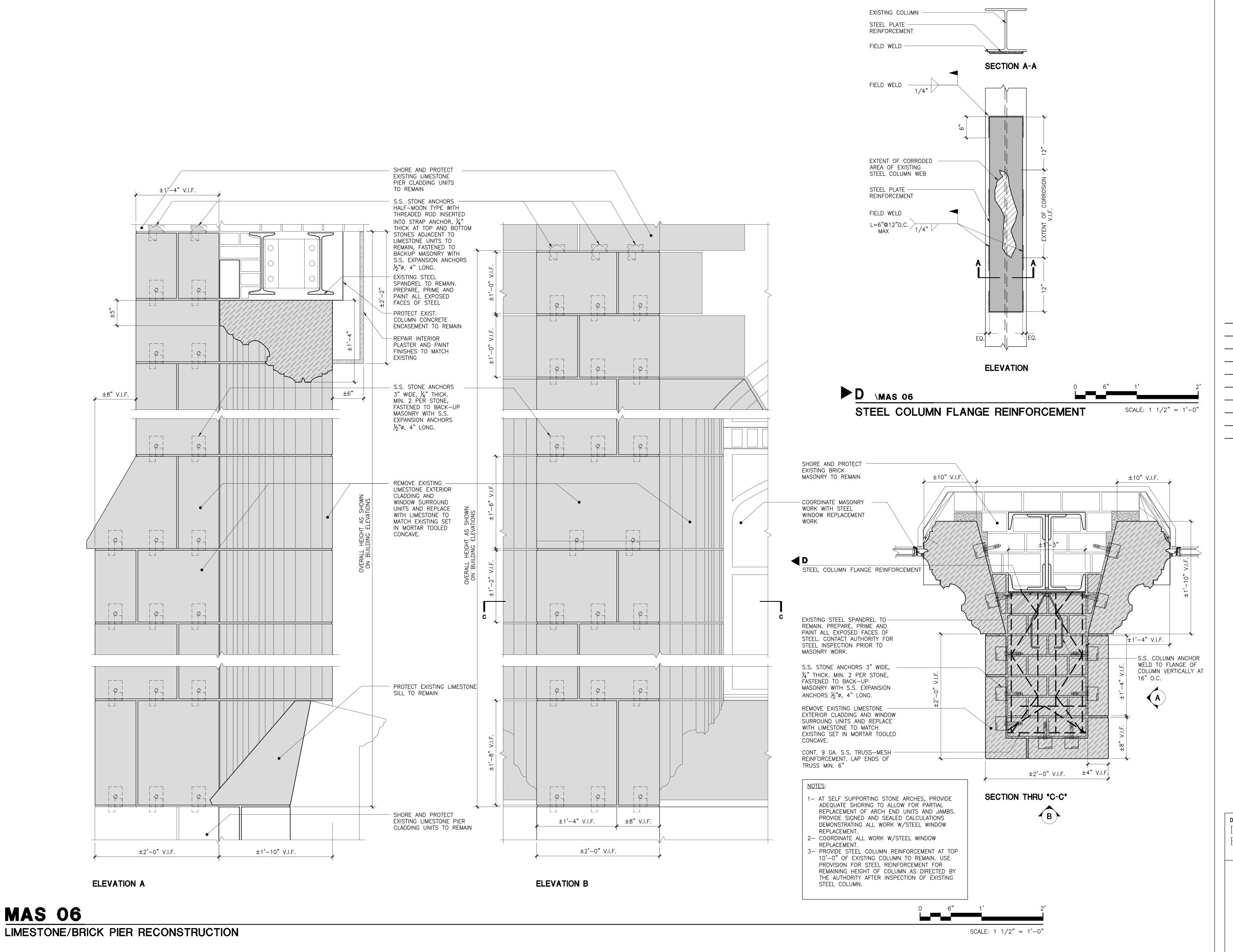
Drawing Title:

MASONRY REPLACEMENT AND STONE REPAIR DETAILS

Drawing No.:
A309.00

Sheets in Contract Set: 45 of 132

Sheets in DOB Set: 45 of 92



**MAS 06** 

LIMESTONE/BRICK PIER RECONSTRÚCTION DETAILS

Drawing No.:

Sheets in Contract Set: 47 **of 132** 

Sheets in DOB Set: 47 of **92**