#### **ADDENDUM NO. 1**

#### 2018 - Bell Tower Repair Project

**Essex County, NY** 

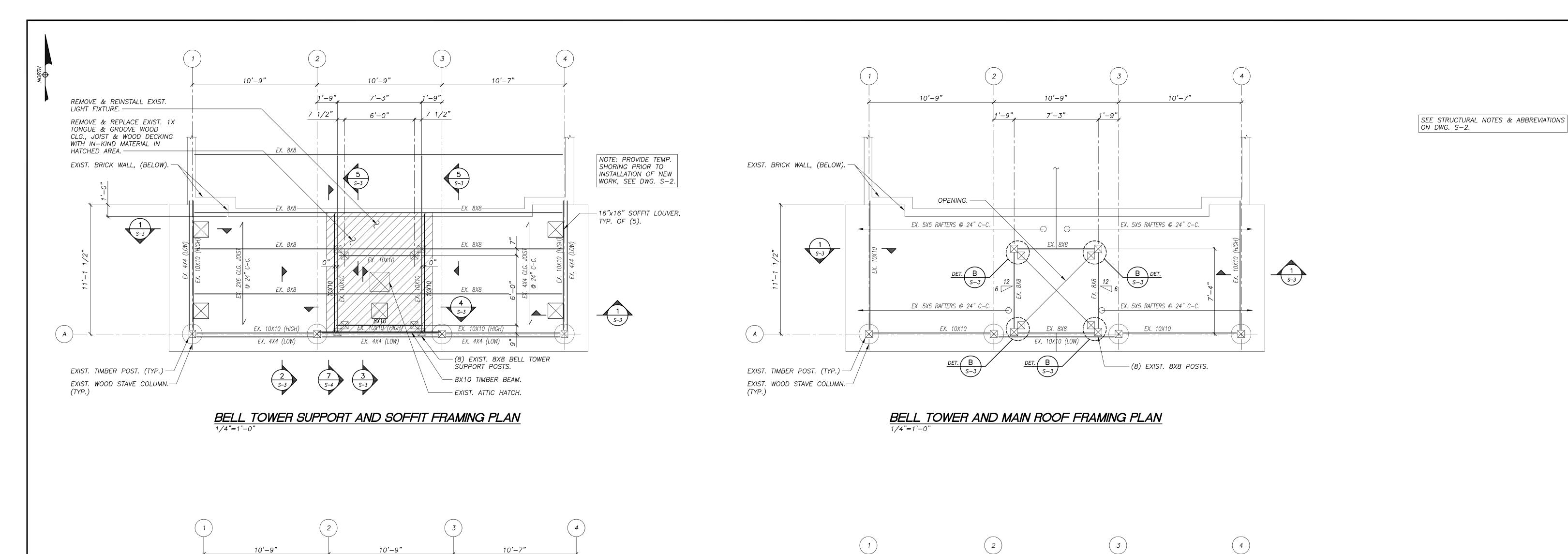
May 24, 2018

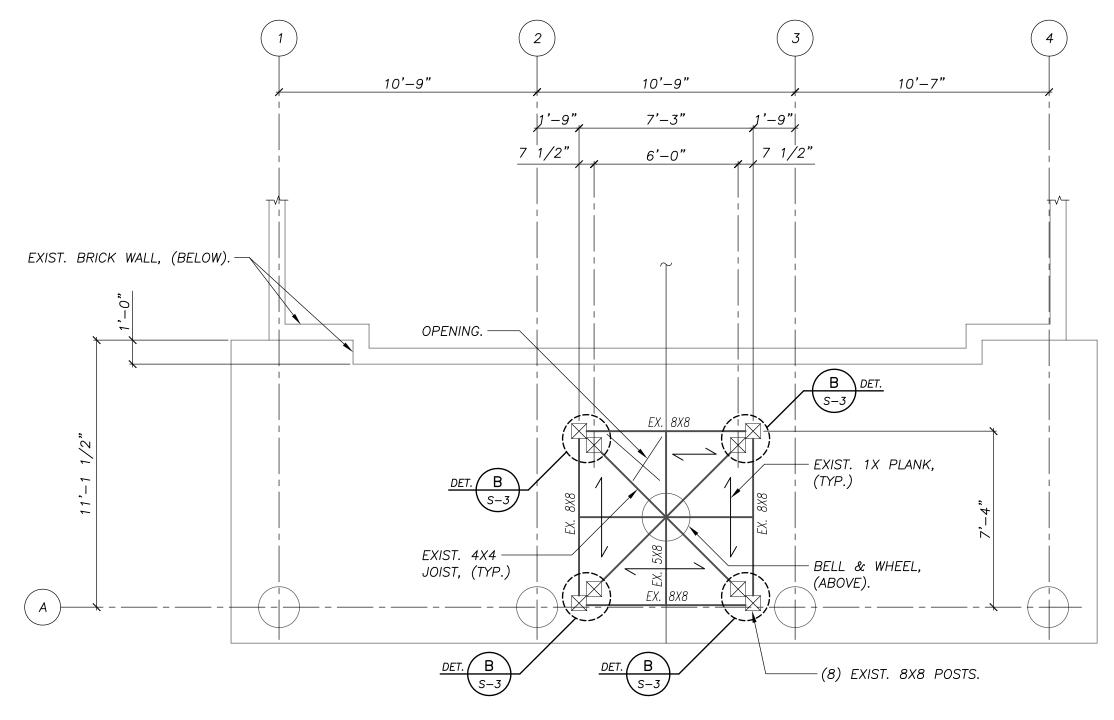
#### TO ALL HOLDERS OF BIDDING DOCUMENTS:

This Addendum, issued to bid document holders of record, indicates clarifications to the bid documents for the 2018 - Bell Tower Repair Project project. All clarifications described herein shall be incorporated into the Contractor's bid proposal. This Addendum is part of the Contract Documents. Adjustments required by each item shall be understood to apply to all document references affected by the clarifications described.

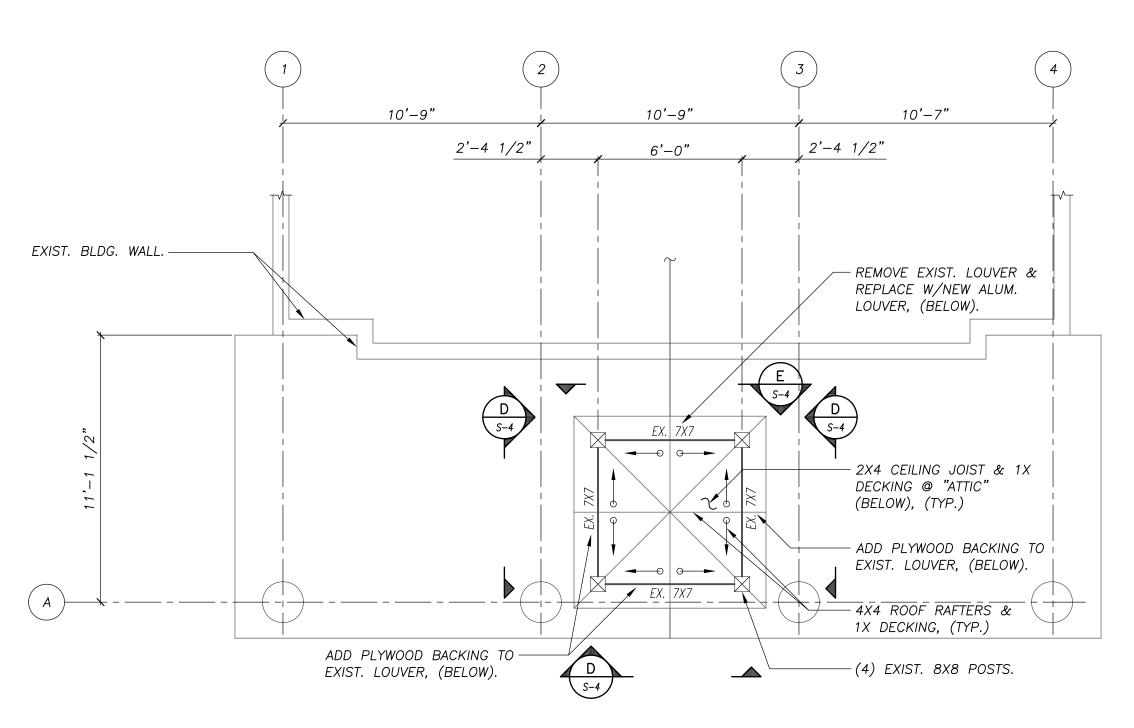
1. **DRAWINGS:** The attached Drawings S-1, S-2, S-3 and S-4 with Revision 1, dated 5/24/18, **Issued for Bid & Construction** shall **replace** all previously issued Drawings.

END OF ADDENDUM NO. 1 (attachments)

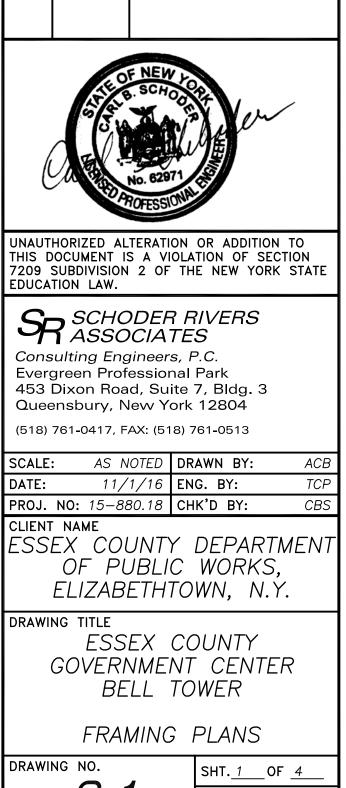




BELL TOWER FLOOR FRAMING PLAN







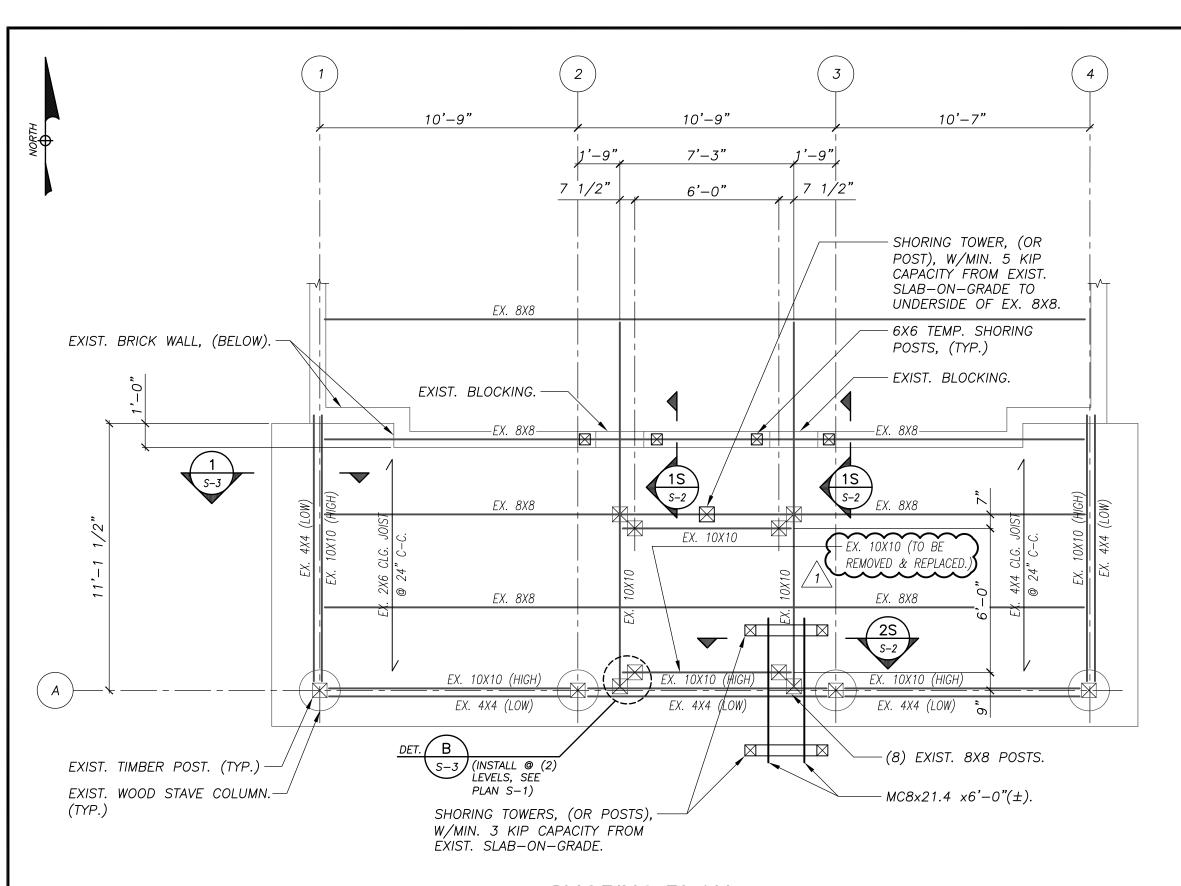
REVISIONS

CONSTRUCTION

0 | 11/30/16 | ISSUED FOR REVIEW

1 5/24/18 ISSUED FOR BID AND

REV. DATE DESCRIPTION



# SHORING PLAN 1/4"=1'-0"

### **GENERAL NOTES**

- 1. ALL STRUCTURAL WORK SHALL CONFORM TO THE PROJECT SPECIFICATIONS & THE BUILDING CODE OF NEW YORK STATE, (2015 IBC), INCLUDING THE INTERNATIONAL EXISTING BUILDING CODE.
- 2. DESIGN LOADS:

SNOW - 59 psf Sloped Roof
70 psf Ground Snow

SNOW EXPOSURE FACTOR Ce = 1.0

SNOW IMPORTANCE FACTOR I = 1.0

THERMAL FACTOR Ct = 1.2

DEAD - 10 psf PLUS BELL TOWER MATERIAL WEIGHTS

LIVE: ATTIC/SOFFIT - 20 psf

- 3. DIMENSIONS AND ELEVATIONS OF THE EXISTING CONSTRUCTION GIVEN IN THE STRUCTURAL DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS AND MEASUREMENTS. THE CONTRACTOR SHALL FIELD VERIFY ALL INFORMATION PERTAINING TO EXISTING CONDITIONS BY ACTUAL MEASUREMENTS AND OBSERVATIONS AT THE SITE. DIMENSIONS SHOWN OF FINAL WORK ARE INTENDED TO MATCH EXISTING DIMENSIONS. ANY SIGNIFICANT DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN IN THE CONTACT DOCUMENTS SHALL BE REPORTED TO THE ENGINEER FOR EVALUATION BEFORE THE EFFECTED CONSTRUCTION IS PUT IN PLACE.
- 4. SUBMITTALS: THE CONTRACTOR SHALL PROVIDE SUBMITTALS IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS AND SUBMITTALS FOR THE LIST BELOW. NO FABRICATION OF THESE ITEMS SHALL BE PERMITTED UNTIL THE SUBMITTALS HAVE BEEN REVIEWED AND ACCEPTED.
- EPOXY ADHESIVE.– HEAVY TIMBER MATERIAL & GRADE CERTIFICATION.
- PAINT & CAULK PRODUCT DATA.
  LOUVER PRODUCT DATA & SHOP DRAWINGS.

OTHER EQUIPMENT TO ACCESS THE WORK AREA.

- LOUVER PRODUCT DATA & SHOP DRAWINGS.MORTAR PRODUCT DATA.
- SHORING SYSTEM DETAILS & CALCULATIONS.

  5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING,
  MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND
  PROGRAMS, INCLUDING COMPLIANCE WITH ALL OHSA AND DEPARTMENT
  OF LABOR AND ALL OTHER APPLICABLE RULES AND REGULATIONS IN
  CONNECTION WITH THE PERFORMANCE OF THE WORK, INCLUDING BUT

NOT LIMITED TO, THE USE OF SCAFFOLDING AND MAN-LIFTS AND

6. THE CONTRACTOR SHALL NOT PERMIT ANY PART OF THE CONSTRUCTION OR SITE TO BE LOADED SO AS TO CAUSE DAMAGE OR CREATE AN UNSAFE CONDITION DURING THE PERFORMANCE OF THE WORK, INCLUDING BUT NOT LIMITED TO, THE USE OF SCAFFOLDING, MAN—LIFTS AND OTHER EQUIPMENT AND THE STORAGE AND INSTALLATION OF MATERIALS.

### PAINT & FINISH NOTES

- 1. ALL NEW WOOD AND WOOD REPAIRS SHALL MATCH ADJACENT EXIST.
  WOOD PROFILES. ALL FASTENERS SHALL BE SET AND CONCEALED WITH
  WOOD FILLER, (APPROVED FOR EXTERIOR USE), OR WOOD PLUGS.
  SAND WORK SMOOTH.
- 2. PREPARE SIDING, SOFFITS & TRIM FOR PAINT, INCLUDING SCRAPING (REMOVING) ALL LOOSE PAINT, CLEANING AS NECESSARY, FILLING ALL OPEN JOINTS AND SANDING TO BE SMOOTH.
- 3. PAINT EXTERIOR SIDING, SOFFITS AND TRIM WITH ONE COAT PRIMER (TWO COATS PRIMER AT BARE WOOD), AND TWO COATS OF FINISH PAINT, "EMERALD EXTERIOR ACRYLIC LATEX" AND "FAST DRYING PRIMER" BY SHERWIN—WILLIAMS CO. OR EQUIVALENT.
- 4. PAINT COLOR SHALL BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS, SUBMIT COLOR CHARTS.
- 5. CAULK SHALL BE EXTERIOR GRADE ELASTOMERIC: "SONOLASTIC 150" BY SONNEBORN, OR EQUIVALENT. CAULK ALL JOINTS AS NOTED.

#### SHORING NOTES

- 1. THE CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING TO MAKE SAFE AND PROTECT ALL FLOORS, ROOF, WALLS AND OTHER BUILDING ELEMENTS FROM DAMAGE DURING THE WORK AND TO ALLOW THE SAFE REMOVAL OF DAMAGED STRUCTURAL ELEMENTS UNTIL REPLACEMENT IS COMPLETED.
- 2. TEMPORARY SHORING SHOWN IS THE BASIS OF DESIGN AND IS THE MINIMUM REQUIRED. ALTERNATE SHORING METHODS AT THE LOCATIONS SHOWN MAY BE ACCEPTABLE UPON REVIEW BY THE ENGINEER. TEMPORARY SHORING POSTS, TOWERS, BRACING AND JACKING SHALL BE DESIGNED BY A NEW YORK STATE LICENSED ENGINEER, RETAINED BY THE CONTRACTOR. SHORING SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED BY THE CONTRACTOR'S ENGINEER AND SUBMITTED FOR REVIEW. SHORING MUST BE DESIGNED TO SUPPORT THE TEMPORARY SHORING LOADS SHOWN ON THE DRAWINGS.
- 3. ALL TEMPORARY SHORING SHALL BE REMOVED WHEN NO LONGER NECESSARY AND ALL FRAMING, TRIM AND FINISH WORK EFFECTED BY THE SHORING SHALL BE RESTORED TO MATCH THE ORIGINAL CONSTRUCTION, INCLUDING FINAL PAINT FINISH.

#### STEEL & CONNECTION NOTES

MISC. PLATES & ANGLES - ASTM A36.

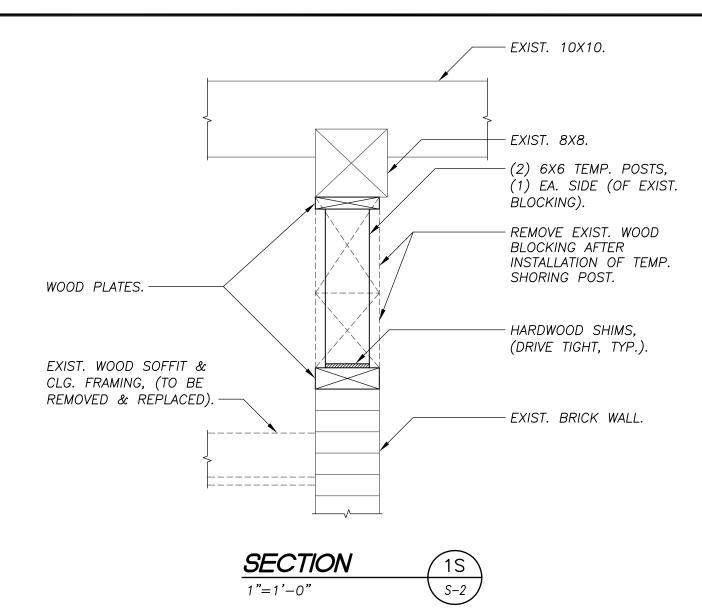
- 1. MATERIAL REQUIREMENTS FOR VARIOUS STEEL SHAPES AS FOLLOWS:

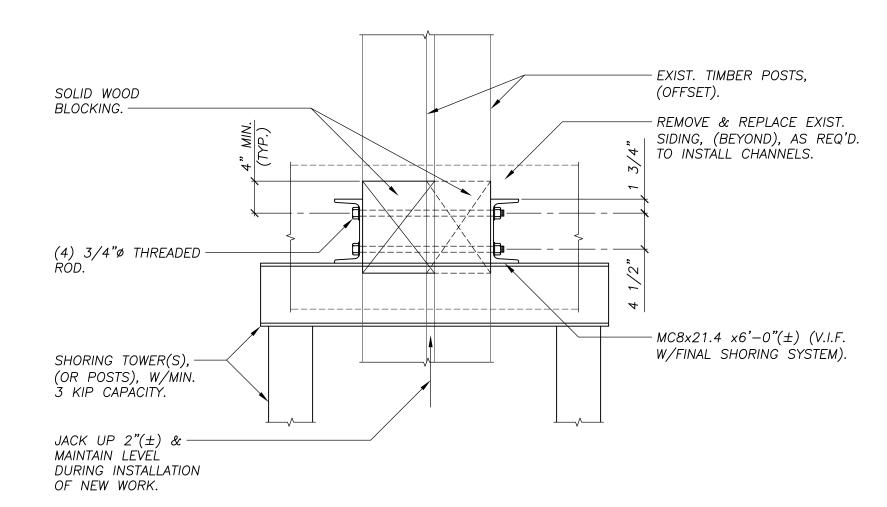
  ALL WIDE FLANGE SHAPES ASTM A992, GR. 50.
- CHANNELS ASTM A36.

  2. PRIME ALL INTERIOR STEEL USING FABRICATOR'S STANDARD LEAD AND CHROMATE FREE, RUST—INHIBITING PRIMER, COVERAGE: 2—3

MILS D.F.T. SURFACE PREP TO SSPC-SP3, "POWER TOOL CLEANING".

3. LUMBER CONNECTORS SUCH AS JOIST HANGERS, METAL ANCHORS, PLATES ETC. SHALL BE GALVANIZED STEEL AS MANUFACTURED BY USP CONNECTORS, SIMPSON STRONG TIE CO. INC. OR EQUIVALENT. NAIL TO LUMBER WITH SIZE AND NO. OF NAILS AS RECOMMENDED BY MANUFACTURER. (CONNECTORS SHOWN ARE BY SIMPSON).





**SECTION** 2S 1"=1'-0" S-2

#### LOUVER NOTES

- 1. LOUVERS SHALL BE FABRICATED OF EXTRUDED—ALUMINUM, FIXED WITH 4 INCH DEEP, 45 DEGREE WIND DRIVEN RAIN AND "DRAINABLE" BLADES AND WITH INSECT SCREENS. SIZES SHALL BE CUSTOM, BASED ON MATCHING EXISTING OPENING DIMENSIONS AT THE BELL TOWER AND BASED ON THE DIMENSIONS SHOWN FOR THE SOFFIT LOUVERS. LOUVERS BY "ARCHITECTURAL LOUVERS CO. (HARRAY, LLC)", (PHONE 888—568—8371), MODEL E4WH IS THE BASIS OF DESIGN. PROVIDE SPECIFIED PRODUCT OR EQUIVALENT. SUBMIT PRODUCT DATA AND SHOP DRAWINGS FOR REVIEW. LOUVERS SHALL BEAR AMCA, (AIR MOVEMENT AND CONTROL ASSOCIATION) SEAL. MINIMUM WIND LOAD CAPACITY = 30 PSF.
- 2. INSTALL LOUVERS WITH "J" FLANGES, ALUMINUM SCREWS AND CAULK PER THE FABRICATOR'S REQUIREMENTS FOR INSTALLATION INTO WOOD FRAMING AND WITH WOOD SIDING/TRIM AS THE EXTERIOR FINISH.
- 3. EXTERIOR FINISH SHALL BE 3-COAT FLUOROPOLYMER FINISH COMPLYING WITH AAMA 2605: "KYNAR 500". COLOR: WHITE.

### BRICK MASONRY REPAIR NOTES

- . MORTAR SHALL COMPLY WITH ASTM C270, TYPE N, & SHALL MATCH EXISTING MORTAR COLOR.
- 2. JOINTS INDICATED TO BE REPOINTED FOR A PORTION OF THE WALL SHALL BE RAKED AND REPOINTED UNDER ANY OF THE FOLLOWING CONDITIONS:
- A. JOINTS WHERE MORTAR IS MISSING OR WHERE THEY CONTAIN HOLES.
- B. CRACKED JOINTS WHERE CRACKS CAN BE PENETRATED AT LEAST 1/4" BY A KNIFE BLADE 0.027" THICK.
- C. CRACKED JOINTS WHERE CRACKS ARE 1/8" OR MORE IN WIDTH AND OF ANY DEPTH.
- D. JOINTS WHICH SOUND HOLLOW WHEN TAPPED WITH A METAL OBJECT.
- E. JOINTS WORN BACK MORE THAN 1/4" FROM THE SURFACE.
- F. JOINTS DETERIORATED TO THE POINT WHERE MORTAR CAN BE EASILY REMOVED BY HAND.
- 3. JOINTS TO BE RE—POINTED SHALL BE RAKED OUT TO A MINIMUM DEPTH OF 1/2" WITH THE USE OF HAND—HELD CHISEL OR RAKING TOOL. IF MORTAR IS STILL UNSOUND, REMOVE ADDITIONAL MORTAR UNTIL SOUND MORTAR IS REACHED. CLEAN JOINT WITH PRESSURIZED AIR AND FILL WITH MORTAR. THE MORTAR SHALL BE FILLED IN LAYERS WITH THE MAXIMUM LAYER APPROXIMATELY 1/4" THICK. THE LAYER SHALL SET "THUMB—PRINT" HARD PRIOR TO ADDING THE NEXT LAYER. TOOL THE OUTERMOST LAYER SLIGHTLY CONCAVE, USING A JOINTER SLIGHTLY LARGER THAN THE JOINT THICKNESS.

# GENERAL SHORING PROCEDURE

- 1. THE CONTRACTOR SHALL SURVEY ALL EXISTING BELL TOWER BASE ELEVATIONS AND WALLS FOR PLUMBNESS FOR REFERENCE PRIOR TO SHORING AND JACKING. JACKING INDICATED ON THE DRAWINGS IS NECESSARY TO TRANSFER LOAD INTO NEW FRAMING MEMBERS AND TO ATTEMPT TO LEVEL AND PLUMB THE EXISTING BELL TOWER. THE ENGINEER SHALL BE NOTIFIED AS TO WHEN THE JACKING WILL OCCUR AND SHALL BE PRESENT DURING THE PROCESS. THE CONTRACTOR SHALL MEASURE AND REPORT CONDITIONS AFTER JACKING AND AFTER NEW WORK IS INSTALLED.
- 2. REMOVE EXISTING SOFFIT AND SOFFIT FRAMING AND EXISTING SIDING AND WALL FRAMING MATERIAL AS NECESSARY TO INSTALL SHORING AND NEW WORK.
- 3. INSTALL ALL TEMPORARY SHORING AS INDICATED ON THIS DRAWING, INCLUDING PERMANENT POST BRACING AT 2 LEVELS NEAR COLUMN LINE A-2, (USED AS SHORING).
- 4. INSTALL NEW 10X10 TIMBER BEAMS AND "LOWER" 8X10 TIMBER BEAM PER PLAN S—1 AND SECTIONS / DETAILS AS SHOWN. THE EXISTING NORTHERN POSTS AND NEW 10X10 TIMBER SUPPORT BEAMS SHALL BE JACKED UP APPROXIMATELY 1" ABOVE CURRENT ELEVATION AND INSTALLED AT THAT ELEVATION, (SEE SECTION 5/S—4).
- 5. JACK UP EXISTING POSTS APPROXIMATELY 2" ABOVE CURRENT ELEVATIONS AND INSTALL NEW 8X10 BEAMS AND REPAIR POSTS AND BEAMS ADJACENT TO COLUMN A-3 PER PLAN S-1 AND SECTIONS/DETAILS.
- 6. ADJUST BEARING OF ALL NEW BEAMS TO BE TIGHT WITH HARDWOOD SHIMS AS NECESSARY.
- 7. FINALIZE CONNECTION DETAILS.
- 8. REMOVE ALL TEMPORARY SHORING.

# **ABBREVIATIONS**

A.B.	Anchor Bolt	I.F.	Incida Face
			Inside Face
ADD.	Additional	INFO.	Information
A.F.F.	Above Finished Floor	INV.	Invert
ARCH.	Architectural	LG.	Long, Length
BM.	Beam	LLBB	Long Legs Back to Back
B/STL.	Bottom of Steel	LLV	Long Leg Vertical
BOT.	Bottom	M.O.	Masonry Opening
C.J.	Control Joint	MAX.	Maximum
C-C.	Center to Center	MECH.	Mechanical
CL.		MIN.	
	Clear		Minimum
C.M.U.	Concrete Masonry Unit	N.S.	Near Side
COL.	Column	O.F.	Outside Face
CONC.	Concrete	P.A.F.	Powder Actuated Fastener
CONT.	Continuous	P.E.M.B.	Pre-engineered Metal Building
D	Deep	P.E.N.	Plywood Edge Nailing
DEG.	Degrees	P.J.F.	Pre-formed Joint Filler
DET.	Detail	PL.	Plate
DIA.	Diameter	PPT	Pressure Preservative Treated
d.o.	Ditto	REF.	Reference, Refer
DWG.		REINF.	
	Drawing		Reinforcement
E.W.	Each Way	REQ'D.	Required
EA.	Each	S.C.	Slip Critical
E.C.	Epoxy Coated	S.S.	Stainless Steel
EL.	Elevation	S.I.F.	Step in Footing
EMBED.	Embedment	S.O.G.	Slab On Grade
EQ.	Equivalent	SCJ	Saw Cut Control Joint
EQ. SPA.	Equal Spacing	SECT.	Section
EQUIP.	Equipment	SHT.	Sheet
EXIST.	Existing	SLBB	Short Legs Back to Back
EXP. BOLT	Expansion Bolt	SLV	Short Leg Vertical
EXP. JT.	Expansion Joint	STD.	Standard
F.S.			
	Far Side	SOUTH. PINE	Southern Pine
FDN.	Foundation	S.P.F.	Spruce Pine Fir
FIN.	Finish	T & B	Top and Bottom
FLG.	Flange	T/FTG.	Top of Footing
FLR.	Floor	T/WALL	Top of Wall
FTG.	Footing	Ť/STL.	Top of Steel
GA.	Gage	ŤHK.	Thick
GALV.	Galvanized	TS	Tube Steel
GR.	Grade	TYP.	Typical
G.W.B.	Gypsum Wall Board	U.N.O.	Unless Noted Otherwise
. W.D. Н.S.	High Strength	VERT.	Vertical
H.D.G.	Hot Dip Galvanized	V.I.F.	Verify In Field
HGR.	Hanger	WCJ	Wall Control Joint

#### ROUGH CARPENTRY

Horizontal

Hollow Structural Section

HORIZ.

HSS

1. ALL FRAMING LUMBER SHALL BE A MINIMUM OF NO. 1/NO.2 SPRUCE—
PINE—FIR AS GRADED BY THE NATIONAL LUMBER GRADES AUTHORITY
(NLGA) OR GRADED LUMBER WITH EQUIVALENT STRUTURAL DESIGN
VALUES. LUMBER GRADES FOR SPECIFIC STRUCTURAL MEMBERS SHALL
SHALL BE A MINIMUM OF THE GRADES LISTED BELOW:

W.W.F.

Welded Wire Fabric

SILL PLATES NO. 2 P.P.T. SOUTH. PINE NO. 3 OR STUD GRADE STUDS/JOIST/RAFTERS NO. 1/NO. 2 S.P.F.

- 1A. HEAVY TIMBER BEAMS & POSTS SHALL BE NO. 1 GRADE DOUG FIR-LARCH (N), WITH  $F_{\rm b}=1300$  psi, AS GRADED BY NLGA, OR BETTER.
- 2. ALL WOOD BEARING ON CONCRETE OR MASONRY SHALL BE PRESSURE PRESERVATIVE TREATED SOUTHERN PINE, No.2 GRADE, MINIMUM.
- 3. ALL WOOD FASTENERS SHALL COMPLY WITH TABLE 2304.9.1
  FASTENEING SCHEDULE OF THE BUILDING CODE OF NEW YORK
  STATE OR AS SHOWN ON THE DRAWINGS. ALL NAILS CONNECTED
  TO PRESSURE PRESERVATIVE TREATED LUMBER SHALL BE HOT—DIP
  GALVANIZED PER ASTM A153. ALL SCREW FASTENERS SHOWN SHALL
  BE "TIMBERLOK" BY FASTENMASTER WITH PROPRIETARY COATING
  PROCESS RATED FOR EXPOSURE TO ACQ PRESSURE TREATED
  LUMBER, OR EQUIVALENT.
- 4. EPOXY SHALL BE BY WEST SYSTEM, INC. 105 RESIN, 206
  HARDENER AND FILLERS APPROPRIATE TO THE APPLICATION, OR
  EQUIVALENT. "FLEX—TEC HV" BY ADVANCED REPAIR TECHNOLOGY IS
  ALSO ACCEPTABLE. FOLLOW ALL MANUFACTURER'S RECOMMENDED
  PROCEDURES INCLUDING PRIMING, "WETTING OUT", SURFACES.

		REVISIONS
REV.	DATE	DESCRIPTION
0	11/30/16	ISSUED FOR REVIEW
1	5/24/18	ISSUED FOR BID AND
		CONSTRUCTION



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SCHODER RIVERS ASSOCIATES

Consulting Engineers, P.C.

Evergreen Professional Park
453 Dixon Road, Suite 7, Bldg. 3

Queensbury, New York 12804

(518) 761	(518) 761-0417, FAX: (518) 761-0513					
SCALE:	AS NOTED	DRAWN BY:				
DATE:	11/1/16	ENG. BY:				
PROJ. NO:	: 15-880.18	CHK'D BY:				

CLIENT NAME
ESSEX COUNTY DEPARTMENT
OF PUBLIC WORKS,
ELIZABETHTOWN, N.Y.

DRAWING TITLE

ESSEX COUNTY

GOVERNMENT CENTE

GOVERNMENT CENTER

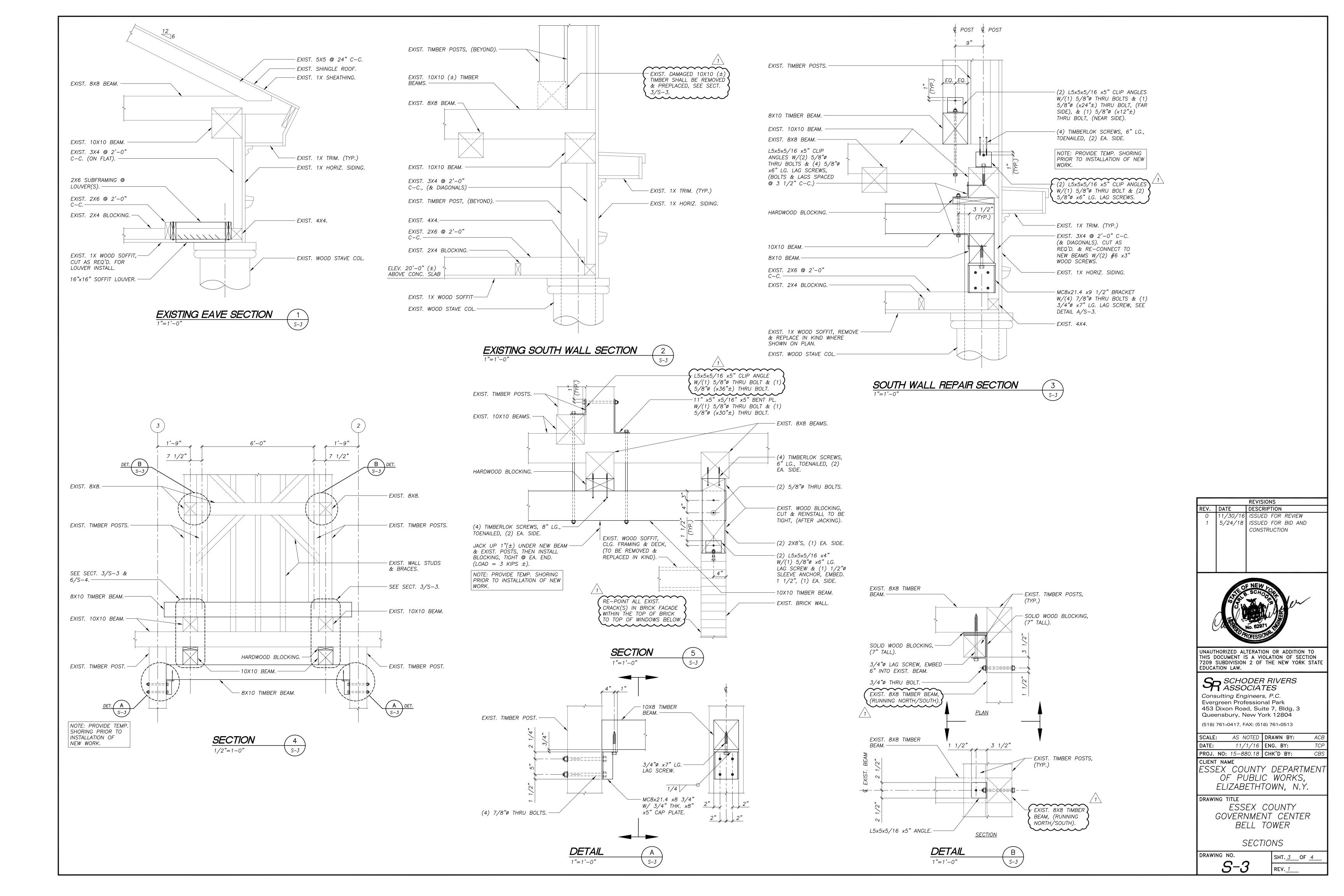
BELL TOWER

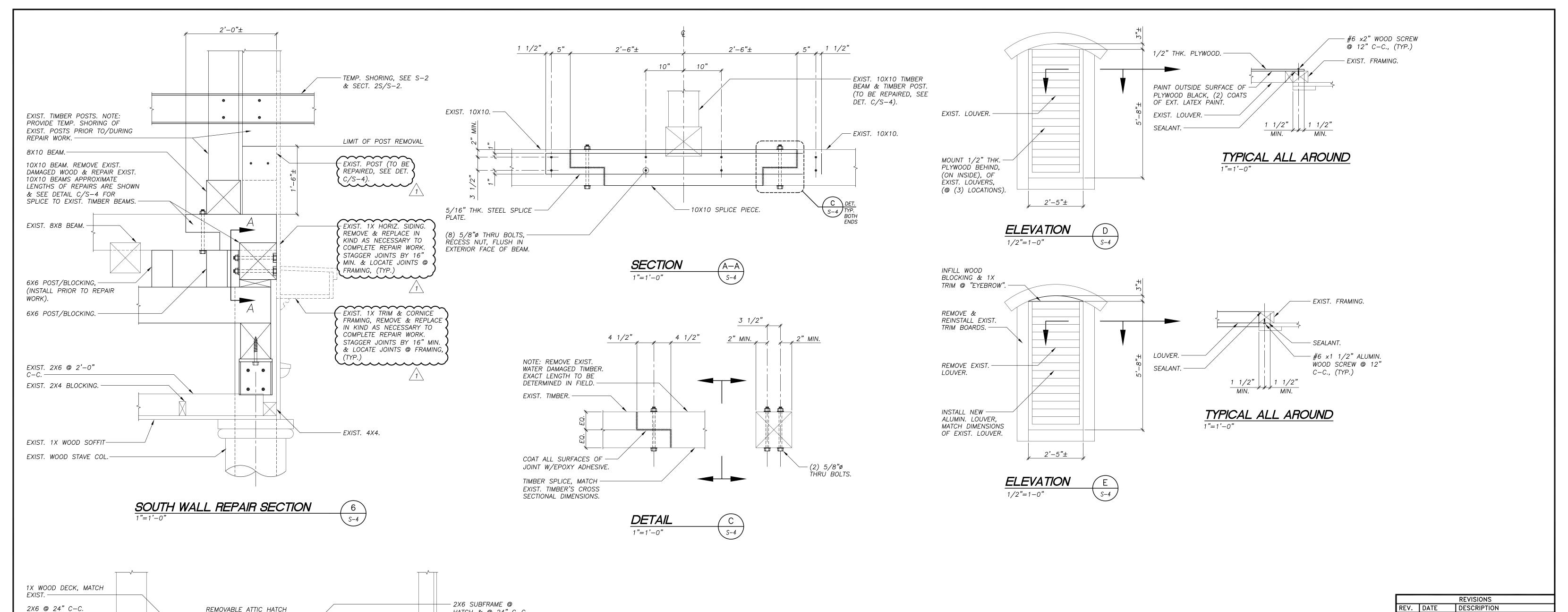
SHORING PLAN

AND SECTIONS

brawing no. S-2

SHT. <u>2</u> OF <u>4</u>





REMOVABLE ATTIC HATCH

— 1X TRIM, MATCH EXIST.

-(4) 12d TOE NAILS,

-1X SOFFIT BOARD,

MATCH EXIST.

TO MATCH EXIST. -

SECTION

1"=1'-0"

CEILING JOIST. -

EXIST. LEDGER. -

EXIST. BRICK WALL. -

REINFORCE EXIST. -

LEDGER W/ 1/2"ø

SLEEVE ANCHOR @ 24" C-C., EMBED. 1 1/2".

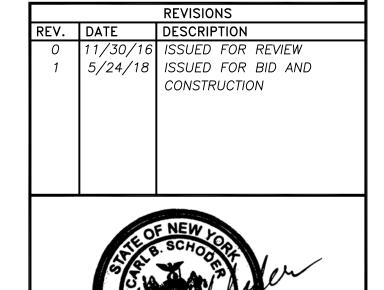
HATCH & @ 24" C−C.

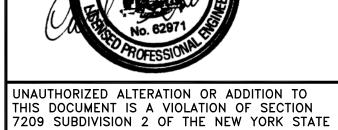
- LUS26 FACE MOUNTED

- 2X6 WOOD BLOCKING ● 24" C-C., (TYP.)

HANGERS, (TYP.)

— EXIST. 4X4.





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SR SCHODER RIVERS ASSOCIATES Consulting Engineers, P.C. Evergreen Professional Park 453 Dixon Road, Suite 7, Bldg. 3 Queensbury, New York 12804 (518) 761-0417, FAX: (518) 761-0513

SCALE:	AS NOTED	DRAWN BY:	ACB			
DATE:	11/1/16	ENG. BY:	TCP			
PROJ. NO:	15-880.18	CHK'D BY:	CBS			
CLIENT NAME ESSEX COUNTY DEPARTMENT OF PUBLIC WORKS.						

ELIZABETHTOWN, N.Y. DRAWING TITLE

ESSEX COUNTY GOVERNMENT CENTER BELL TOWER

SECTIONS

DRAWING NO.

SHT.<u>4</u> OF <u>4</u>