

BELL TOWER FIRST FLOOR REANVED

1/4" = 1'-0" Dept. of Building Inspections City of Portland Mains (D) (TYP)

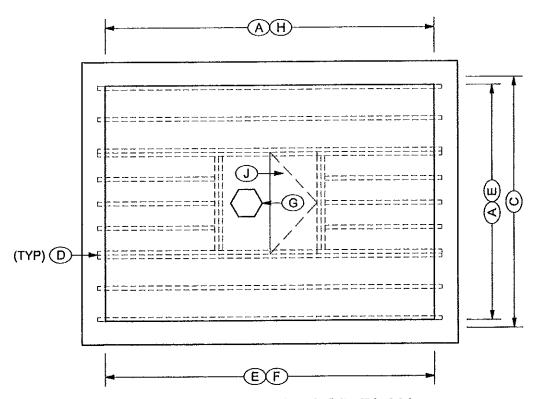
BELL TOWER SECOND FLOOR PLAN

ARCHITECTURAL KEY NOTES

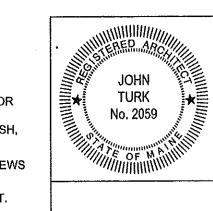
- A REMOVE AND SALVAGE EXISTING HARDWOOD FLOORING FOR REUSE.
- (B) EXISTING STAIRS AND BALUSTRADES TO REMAIN IN PLACE. SHORE AS REQUIRED.
- © REMOVE EXISTING ROTTED 2X10 FRAMING AS INDICATED. PRIOR TO REMOVAL, GENERAL CONTRACTOR SHALL MEASURE AND RECORD EXISTING DIMENSIONAL RELATIONSHIPS BETWEEN STRUCTURE AND FINISHES, POSITION NEW FRAMING IN SUCH A WAY AS TO PROVIDE FOR REASSEMBLY OF FLOOR FINISH, BALUSTRADE, BASEBOARDS, FLOOR HATCH, ETC. IN PRECISE, ORIGINAL LOCATIONS.
- (D) EXISTING MASONRY POCKETS TO REMAIN OPEN. GC TO VERIFY THAT ALL NEW TAPCON LEDGER SCREWS ARE MIN. 4" TO EITHER SIDE OF EACH POCKET EDGE.
- (E) CUT AND POINT 2' HIGH SWATH OF MASONRY AT FLOOR FRAMING. ASSUME 35% BRICK REPLACEMENT. RESTORATION MORTAR SHALL MEET REQUIREMENTS OF ASTM C 270 AND SHALL CONSIST OF 1 PART HYDRATED TYPE N LIME (CODEX HIGH-CALCIUM); 1 PART WHITE PORTLAND CEMENT; AND 6 PARTS SAND TO BE MATCH EXIST. REMOVE MORTAR FROM JOINTS TO 1 INCH OR TO SOUND MORTAR, WHICHEVER IS GREATER, DO NOT DAMAGE BRICK. USING A LONG, THIN POINTING TROWEL, TIGHTLY PACK MORTAR INTO JOINTS IN 1/4" LAYERS, ALLOW EACH LIFT TO REACH THUMBPRINT HARDNESS BEFORE APPLYING SUCCEEDING LAYER. AT THE END OF EACH WORK PERIOD, STAGGER LAYERS IN JOINTS MIN. 3" APART.
- (F) INSTALL NEW WOOD FRAMING AS PER STRUCTURAL DRAWINGS.
- (G) EXISTING BUILT-UP WOOD COLUMN TO REMAIN IN PLACE. SHORE AS REQUIRED.
- (H) REINSTALL SALVAGED HARDWOOD FLOORING AND ANY ASSOCIATED WOOD FINISHES REQUIRED TO BE REMOVED TO FACILITATE INSTALLATION OF NEW FRAMING AND RE-POINTING WORK.
- J REINSTALL SALVAGED HATCH CASING, FABRICATE NEW OPERABLE WOOD DOOR HATCH TO MATCH EXISTING, INSTALL 4 NEW 6" MARINE GRADE STAINLESS STEEL STRAP HINGES.

GENERAL NOTES

- 1. PRIOR TO CONSTRUCTION, GC GENERAL SHALL SUBMIT PRODUCT DATA TO ARCHITECT FOR REVIEW.AND COMMENT.
- ALL WORK SHALL CONFORM TO CITY OF PORTLAND, STATE, AND FEDERAL REGULATIONS.
- THIS PROPERTY IS LISTED ON THE NATIONAL REGISTER OF HISTORIC PLACES AND ALL WORK IS REQUIRED TO CONFORM TO THE SECRETARY OF THE INTERIOR'S STANDARDS FOR THE TREATMENT OF HISTORIC PROPERTIES.



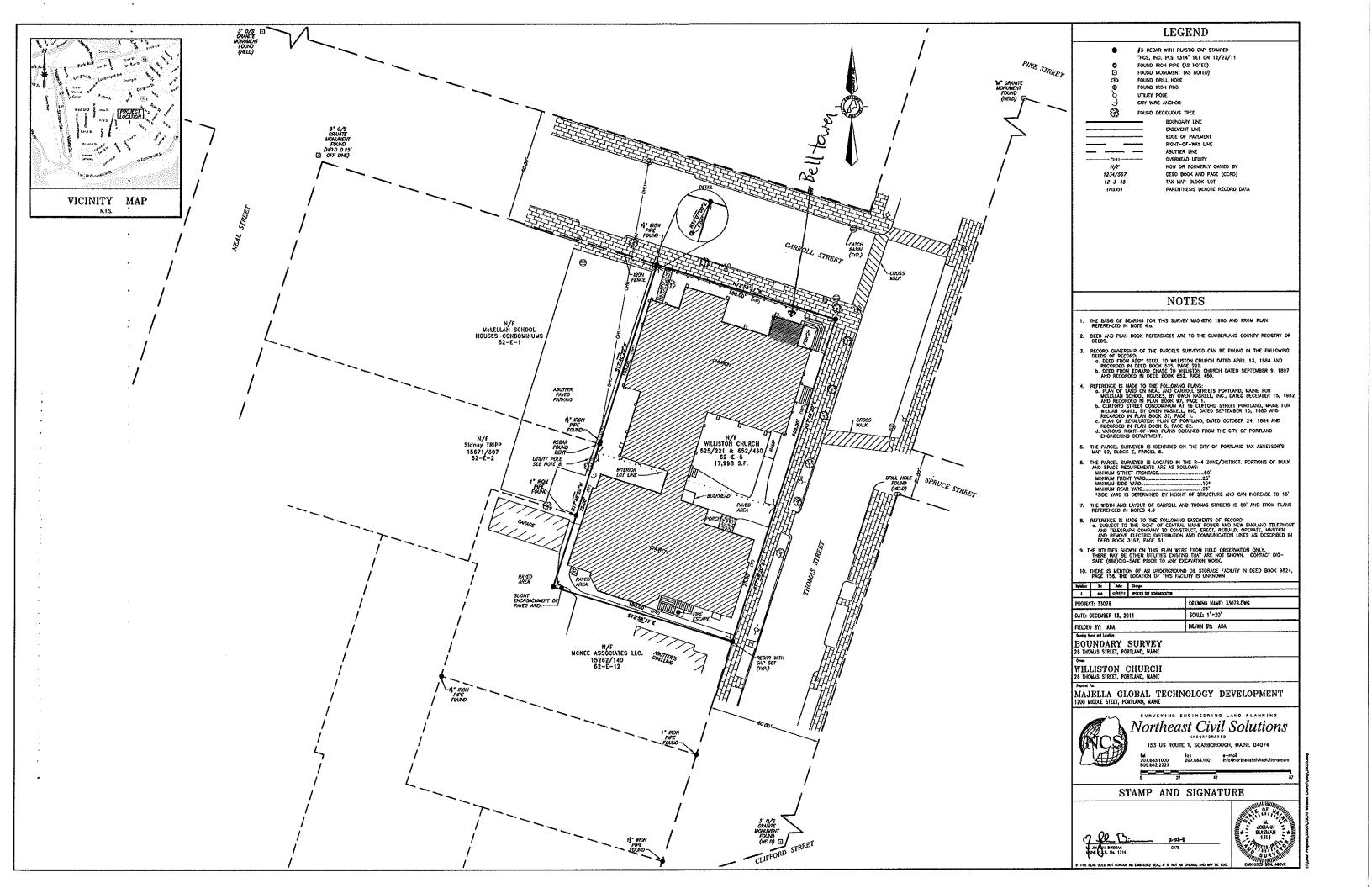
BELL TOWER THIRD FLOOR PLAN



LLC BELL WILLISTON WEST -FLOOR REPAIR PORTLAND, MAINE

STREET 32 THOMAS

1/4" = 1'-0"



12-0007 Bell Tower Repairs Wilston-West Church Portland, ME

DESIGN LIVE LOADS: Floors and Landings

2009 IBC/MUEBC, U.O.N.

100 psf

STRUCTURAL STEEL:

Angles, misc:

ASTM A36

- Expansion Anchors shall be ICC-ES approved, installed in accordance with manufacturers specifications. In concrete: Wedge Type In solid masonry: Sleeve Type
- Non-shrink grout beneath column base and beam bearing plates shall be non-metallic with minimum compressive strength 5000psi.

WOOD FRAMING:

- Dimension Lumber is designed and shall be supplied using BASE VALUES Design Criteria.
- SPF #2 and better (Maximum Moisture Content 19%) U.O.N. Plates: Sill plates: Pressure Treated SPF or Southern Pine:

"Pressure treated lumber" shall be framing material of the specified species which has been pressure treated with a decay and insect resistant solution, meeting all current standards for wood in contact with concrete or earth.

Sill plates in contact with masonry or concrete foundations, footings or slabs may be treated Timber Strand LSL (zinc borate treatment). Sodium borate treatment may also be acceptable for sill plate applications when protected from weather.

Acceptable treatment mediums for wood in contact with earth or in exterior applications include ACQ-C

and ACQ-D (Alkaline Copper Quaternary) and copper azole (CBA-A and CBA-B). DO NOT USE WOODS WHICH HAVE BEEN TREATED WITH AMMONIA BASED CARRIERS. All connectors shall meet the recommendations of the pressure treated wood manufacturer, but shall be not less than Hot Dipped Galvanized meeting requirements of ASTM A653, such as Simpson ZMAX. (G185). All screws, nails and bolts shall match hangers and other connectors, and shall meet ASTM A123 for individual connectors and ASTM A153 for fasteners.

For durability, it is our recommendation that connectors used in exposed conditions with treated lumber be stainless steel.

Do not mix galvanized and stainless products.

Do not allow aluminum to contact treated wood.

All plywood and oriented strand board (OSB) sheathing shall be engineered grades with APA grade stamp indicating appropriate maximum spacing of supports.

Floor sheathing: nominal 3/4", OSB T+G Sturd-I_Floor 24 span rating glued and nailed. Minimum nailing shall comply with IBC Table 2304.9.1 except where more or larger nailing shown on

Cross bridge all dimension lumber floor joists at midspan and provide solid blocking or rim joists at all joist supports and joist ends.

Metal connectors: Simpson Strong Tie unless otherwise noted, installed with number and type of nails to achieve maximum rated capacity. Note that heavy duty and skewed hangers may require special order.

All beams shall be braced against rotation at points of bearing.

Drypack grout all beam pockets full after beams are set

Unless otherwise indicated, install two lengths of solid blocking x joist depth x 12 inches long in floor framing under column loads. Columns must have a continuous load path to foundation.

Lead holes for lag bolts shall be 60% to 70% of lag shank diameter in compliance with AITC criteria.

STRUCTURAL ERECTION AND BRACING REQUIREMENTS

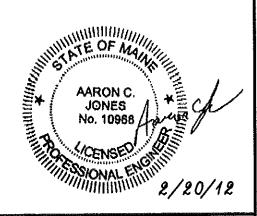
The structural drawings illustrate the completed structure with all elements in their final positions, properly supported and braced. The contractor, in the proper sequence, shall provide proper shoring and bracing as may be required to achieve the final completed structure.

These plans have been engineered for construction at one specific building site. Builder assumes ALL responsibility for use of these plans at Any Other building site. Plans shall not be used for construction at

any other building site without specific review by the engineer.

Observations of framing required by the owner, lender, insurer, building department or any other party will be accomplished by the engineer at the owner's expense. At least 24 hours advance notice is requested.

Structural Drawing Index	
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S-2	Bell Tower Second Floor Landing Framing Plan
S-3	Bell Tower Third Floor Landing Framing Plan
S-4	Sections



Drawing: General Notes Date: 2/20/12

Revision: 2/23/12

Issued:

Scale:

FOR CONSTRUCTION

Project:

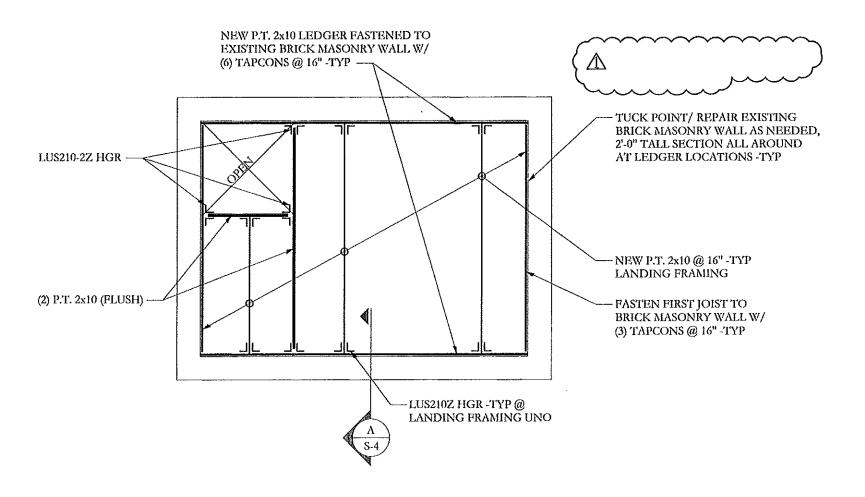
Bell Tower Framing Repairs

Portland, ME



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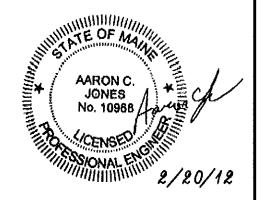


BELL TOWER FIRST FLOOR LANDING FRAMING PLAN

NOTES:

SCALE 1/4"=1'-0"

- 1. ALL FRAMING TO BE PRESSURE TREATED SOUTHERN YELLOW PINE
- 2. ALL CONNECTORS TO BE GALVANIZED -TYP
- 3. ALL BEAMS ARE FLUSH, UNO
- 4. ALL FLOOR JOIST TO BE 2x10's @ 16" -TYP
- 5. FLOOR SHEATHING TO BE 3/4" T+G, SEE GENERAL NOTES FOR ADDITIONAL INFORMATION -TYP



Drawing:

Bell Tower First Floor Landing Framing Plan Date: 2/20/12

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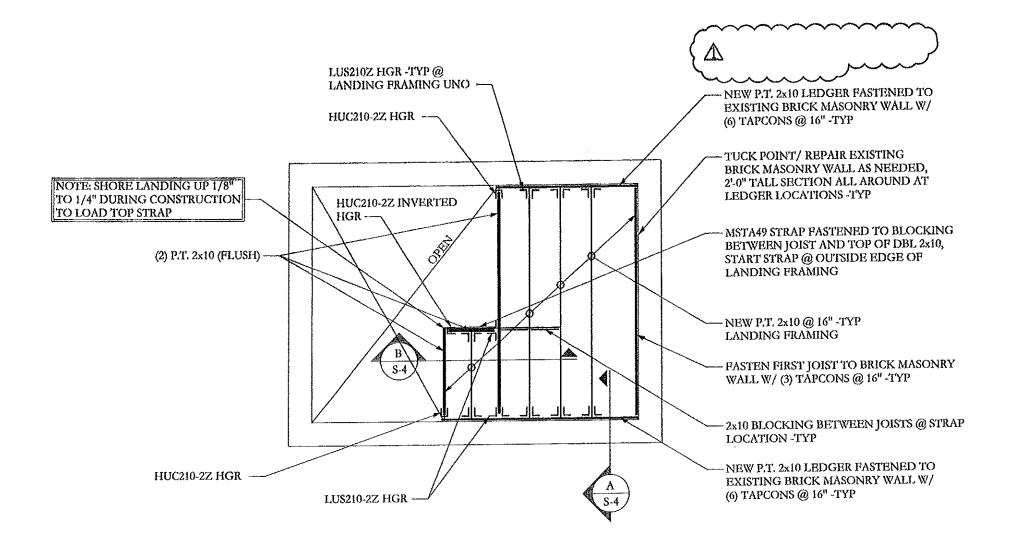
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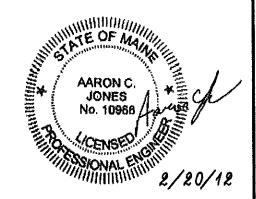
S-1



BELL TOWER SECOND FLOOR LANDING FRAMING PLAN

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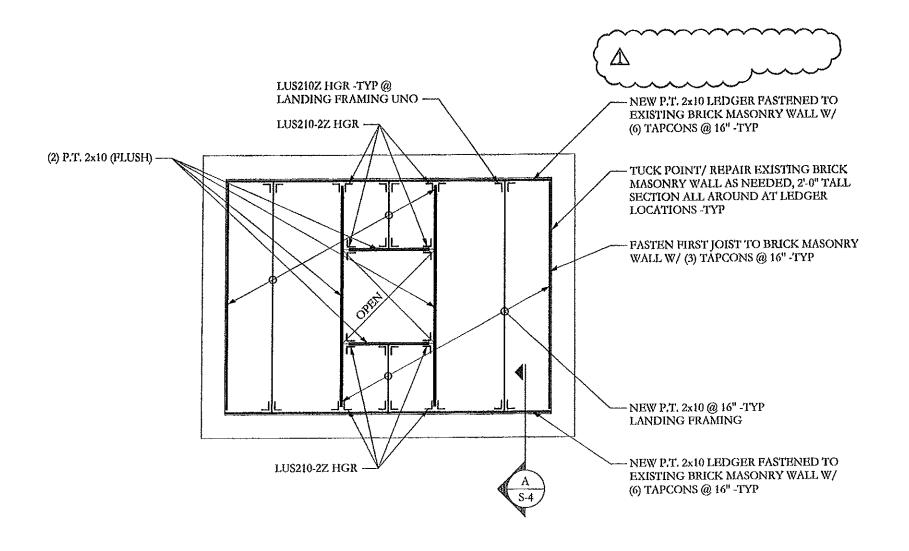
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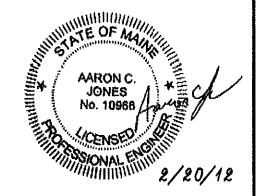


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Drawing:

Bell Tower Third Floor Landing Framing Plan

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Revision: 2/23/12

Issued:

Scale: 1/4"=1'-0"

FOR CONSTRUCTION

Project:

Bell Tower Framing Repairs

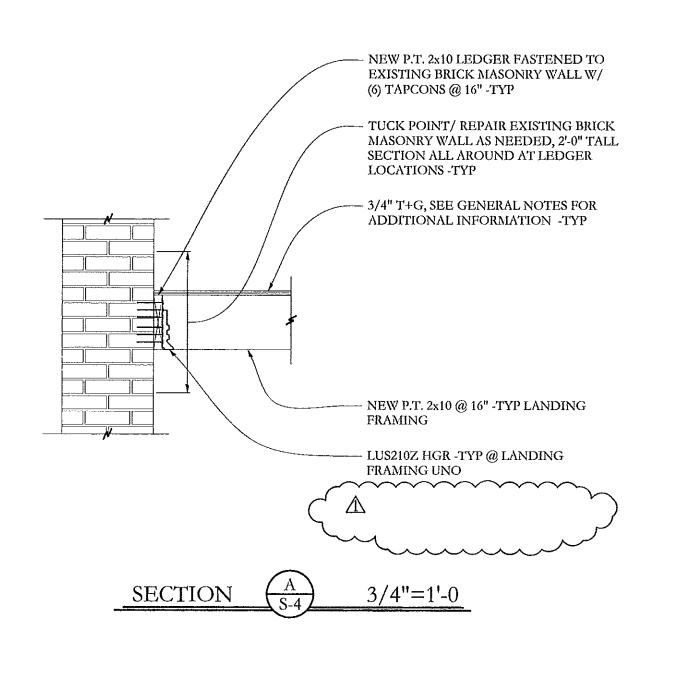
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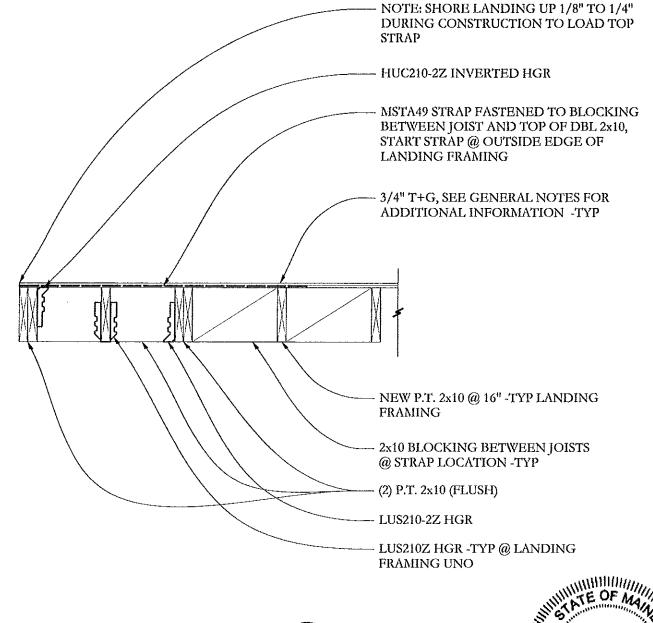


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SECTION

3/4"=1'-0



Drawing:

Sections

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Bell Tower Framing Repairs

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