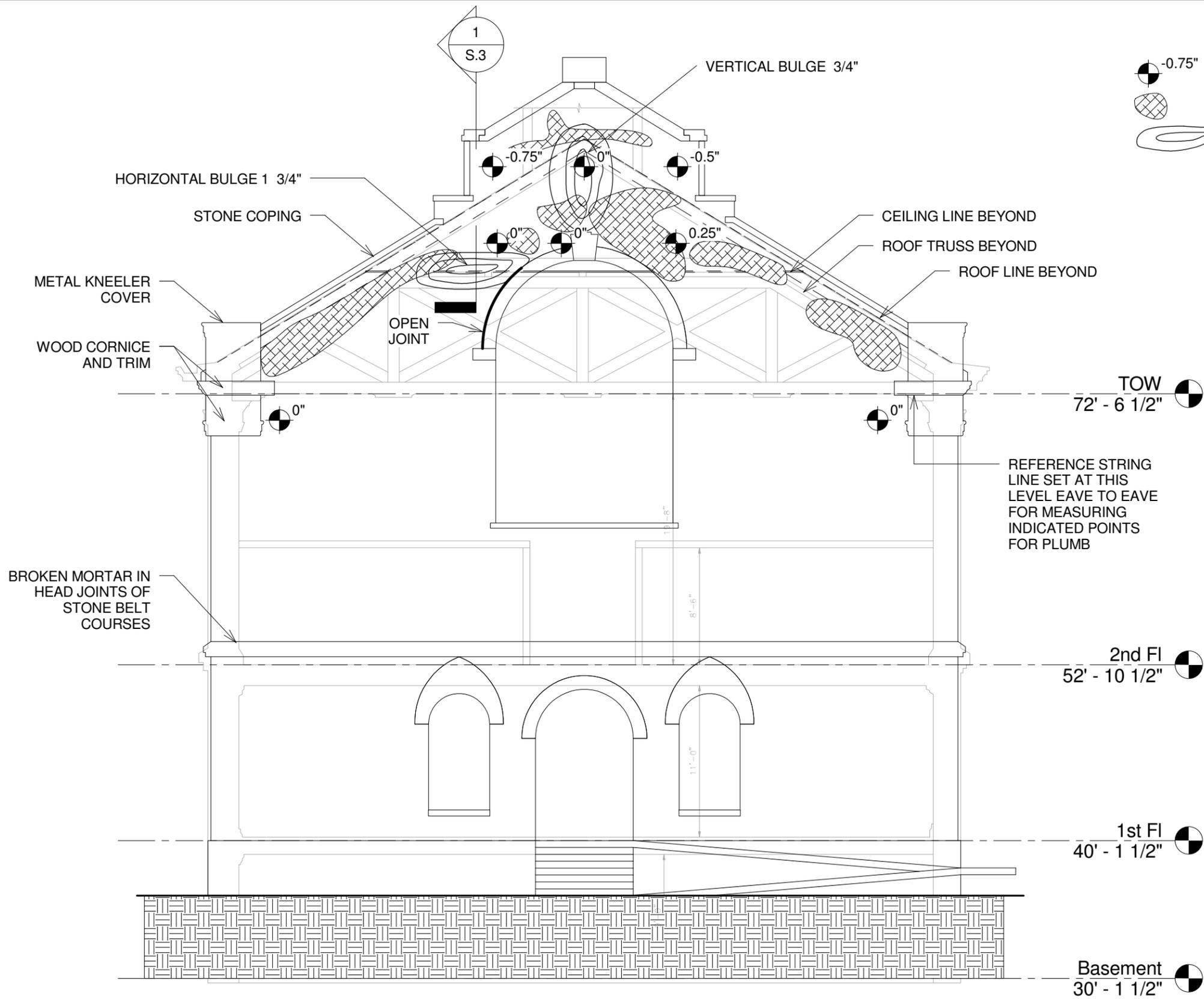


**Temporary Structural
Stabilization Drawings**



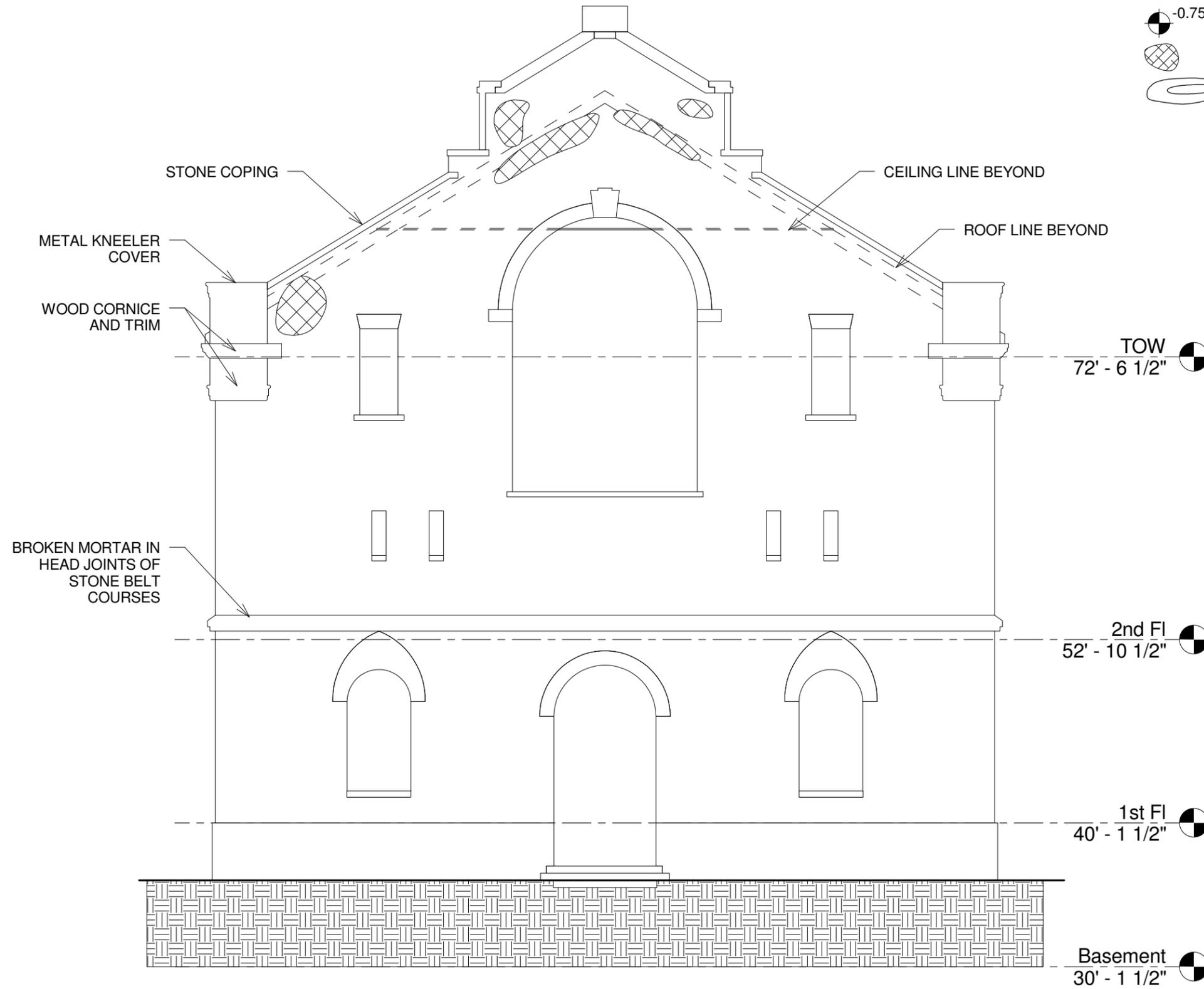
DEFECT LEGEND

- 0.75" DEVIATION FROM VERTICAL PLANE
- CRACKED MASONRY, BROKEN MORTAR
- BULGE CONTOUR

MOST DETERIORATION SEEN IN THESE END WALLS IS NEAR THE ROOF LINE WHERE BRICK CYCLES THROUGH GREATER FREQUENCIES AND RANGES OF TEMPERATURE CHANGES LEADING TO TRAPPED MOISTURE FREEZING WITHIN WALLS DURING WINTERS.

1 East Elevation
1/8" = 1'-0"

<p>MacLeod Consulting, Inc. 29 Woods Road Belmont, MA 02478 (617) 484-4733 <i>structural engineering</i></p>	<p>McGinley Kalsow & Associates, LLP 324 Broadway PO Box 45248 Somerville, MA 02145</p>	<p>East Elevation Masonry Condition</p>	<p>Needham Town Hall Wall Bulge Temporary Stabilization 1471 Highland Avenue Needham, MA 02492</p>
<p>CLIENT</p>		<p>SHEET TITLE</p>	<p>PROJECT</p>
<p>PROJECT NO: 2007.24 DATE: 4 Oct 07 FILE: DRAWN BY: Author DES'D BY: Designer</p>		<p>DRAWING S.1</p>	



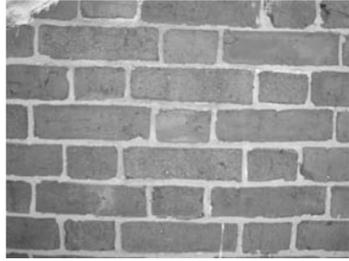
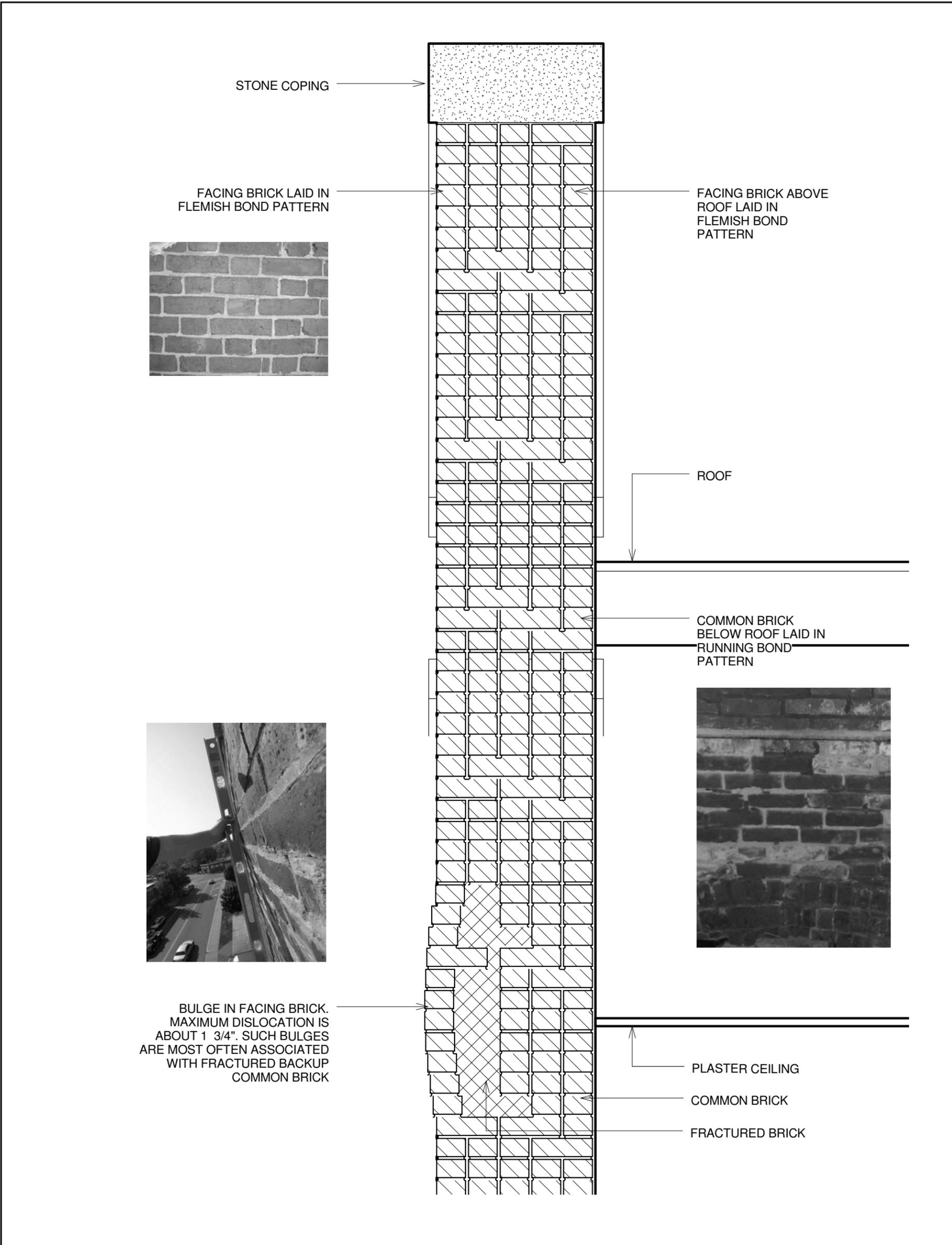
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1 West Elevation
1/8" = 1'-0"

SHEET TITLE West Elevation Masonry Condition	PROJECT Needham Town Hall Wall Bulge Temporary Stabilization 1471 Highland Avenue Needham, MA 02492	CLIENT McGinley Kalsow & Associates, LLP 324 Broadway PO Box 45248 Somerville, MA 02145	PROJECT NO: 2007.24 DATE: 4 Oct 07 FILE: DRAWN BY: Author DES'D BY: Designer



① End Wall Section
1" = 1'-0"

MacLeod Consulting, Inc.
29 Woods Road
Belmont, MA 02478

(617) 484-4733
structural engineering

CLIENT
McGinley Kalsow & Associates, LLP

324 Broadway PO Box 45248
Somerville, MA 02145

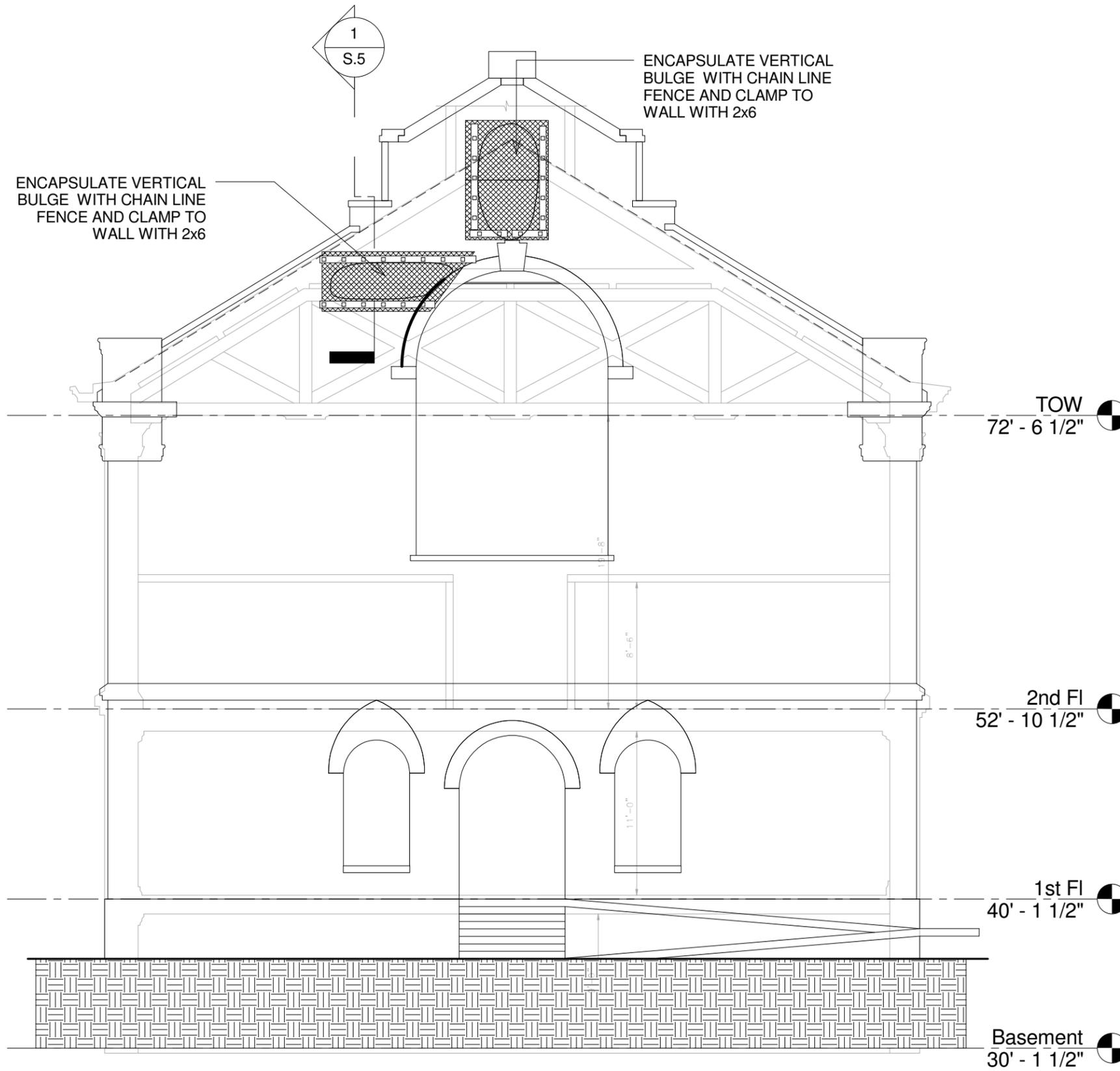
SHEET TITLE
End Wall Section

PROJECT
Needham Town Hall Wall Bulge Temporary Stabilization

1471 Highland Avenue
Needham, MA 02492

DRAWING
S.3

PROJECT NO: 2007.24
DATE: 4 Oct 07
FILE:
DRAWN BY: Author
DES'D BY: Designer



Work shown on these drawings is intended to provide information for stabilization of two bulges in the east wall. Sheets S1 and S3 illustrate existing conditions. Sheets S4 and S5 illustrate stabilization repairs.

Materials

Lumber: Spruce-Pine-Fir select structural grade pressure treated with ACQ

Bolts: Type A304 or A316 stainless steel threaded rod with stainless steel nuts.

Plate Washers: A36 steel either hot dipped galvanized or two coats of epoxy based paint

Epoxy Adhesive: Simpson EpoxyTie EFT anchoring adhesive or approved equal.

Fence mesh: Two inch diamond, 9 gauge mesh with a vinyl coating. Color as accepted by town

Execution

Restrict access to area below work area to protect public while carrying out repairs.

Notify Architect/Engineer if conditions are found to differ from that shown on these sheets.

1 East Elevation Temporary Brace
1/8" = 1'-0"

SHEET TITLE

East Wall Bulge Stabilization

PROJECT

Needham Town Hall Wall Bulge Temporary Stabilization

1471 Highland Avenue
Needham, MA 02492

DRAWING

S.4

CLIENT

McGinley Kalsow &
Associates, LLP

324 Broadway PO Box 45248
Somerville, MA 02145

MacLeod Consulting, Inc.

29 Woods Road
Belmont, MA 02478

(617) 484-4733
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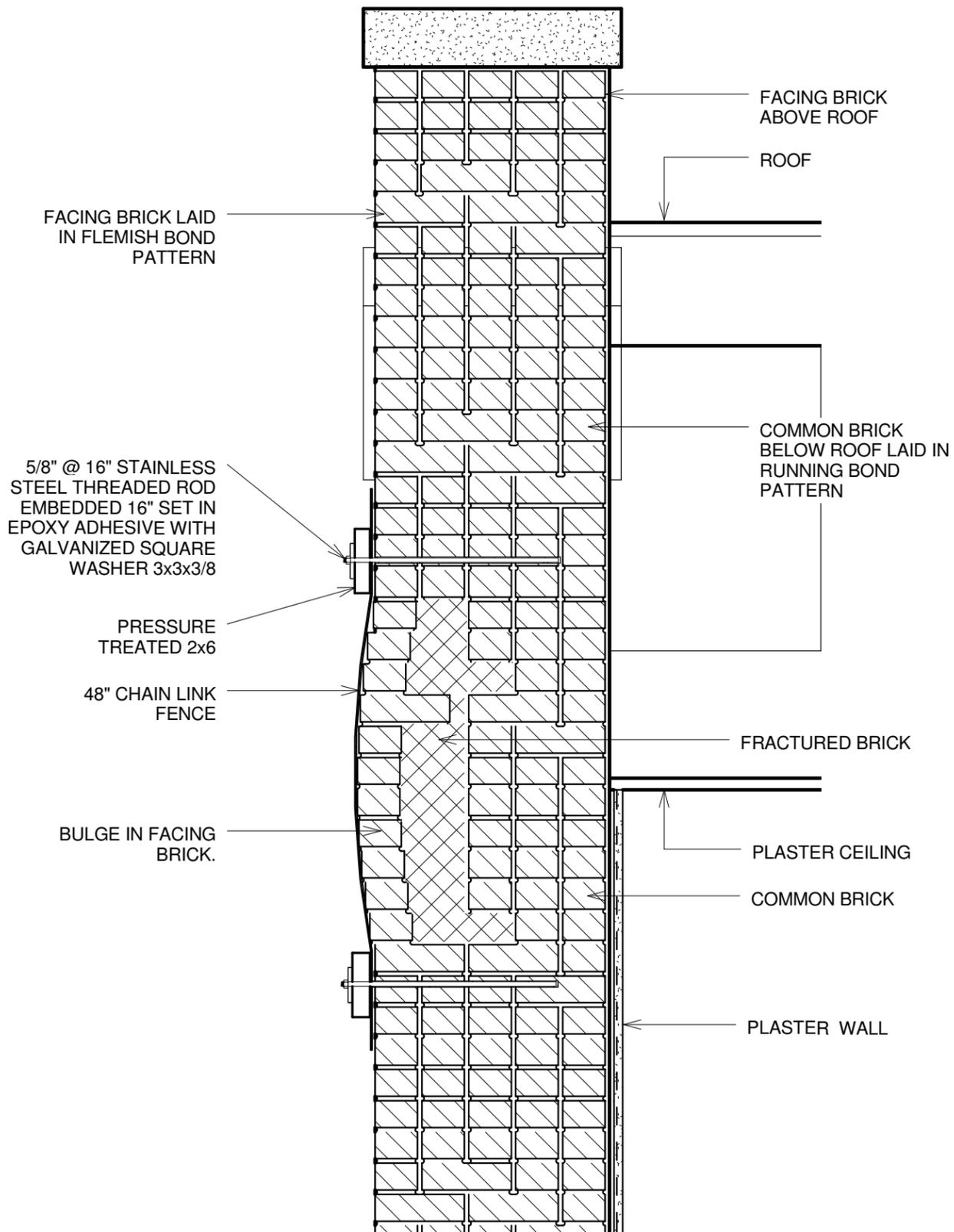
PROJECT NO: 2007.24

DATE: 4 Oct 07

FILE:

DRAWN BY: Author

DES'D BY: Designer



1 End Wall Section Temporary Brace
1" = 1'-0"

MacLeod Consulting, Inc. 29 Woods Road Belmont, MA 02478 (617) 484-4733 <i>structural engineering</i>	CLIENT McGinley Kalsow & Associates, LLP 324 Broadway PO Box 45248 Somerville, MA 02145	SHEET TITLE East Wall Bulge Stabilization Section
	PROJECT Needham Town Hall Wall Bulge Temporary Stabilization 1471 Highland Avenue Needham, MA 02492	DRAWING S.5
PROJECT NO: 2007.24 DATE: 4 Oct 07 FILE: DRAWN BY: Author DES'D BY: Designer		