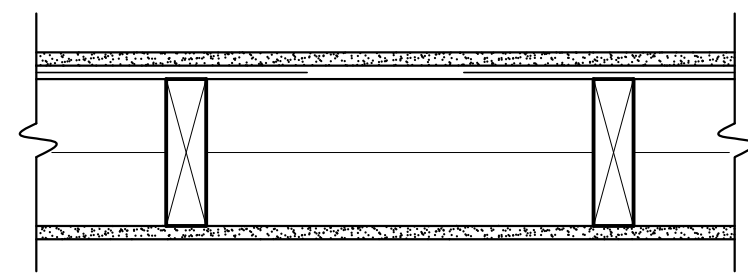


WALLTYPES

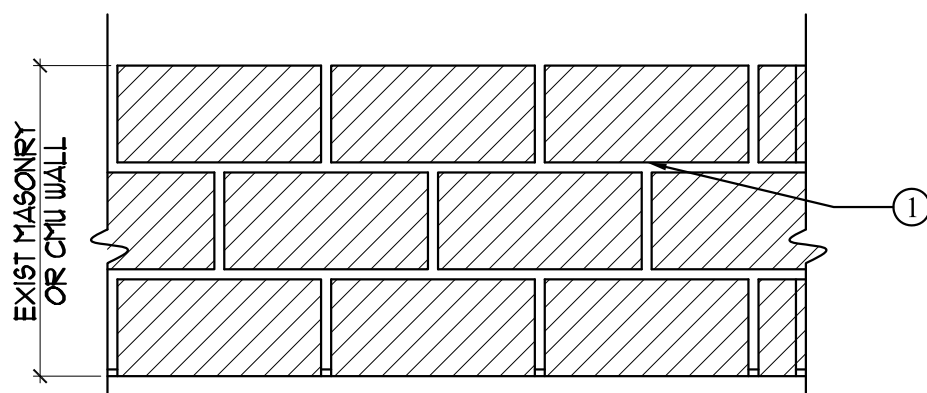
W1 CORRIDOR & PARTY WALL ASSEMBLY - 1 HOUR

GA FILE NO. WP 3240 PROPRIETARY □ 1 HOUR FIRE
50 to 54 FSTC SOUND
Thickness: 5 3/8"
Approx. Weight: 7 psf
Fire Test: UL R1319-93, 94, 129;
8-10-66;
UL Design U311;
ULC Design U311
Field Sound Test: BBN 760903, 9-17-76
GYPSUM WALLBOARD, RESILIENT CHANNELS,
MINERAL FIBER INSULATION, WOOD STUDS
Resilient channels 24" o.c. attached at right angles to ONE SIDE of
2 x 4 wood studs 16"
or 24" o.c. with 1 1/4" Type S drywall screws. One layer 5/8"
proprietary type X gypsum
wallboard or gypsum veneer base applied parallel to channels with 1"
Type S drywall
screws 12" o.c. End joints backblocked with resilient channels. 3"
mineral fiber
insulation, 2.0 or 2.3 pcf, in stud space.
OPPOSITE SIDE: One layer 5/8" proprietary type X gypsum wallboard
or gypsum veneer
base applied at right angles to studs with 1 1/4" Type W drywall
screws 12" o.c.
Vertical joints staggered 48" on opposite sides. Sound tested with
studs 16" o.c. and open
face of mineral fiber insulation blankets toward resilient channel--side
of stud space.
(LOAD-BEARING)
PROPRIETARY GYPSUM BOARD
United States Gypsum Company - 5/8" SHEETROCK Brand Gypsum
Panels, FIRECODE C Core



W1 1 HOUR CORRIDOR WALL
& DWELLING UNIT PARTY WALL

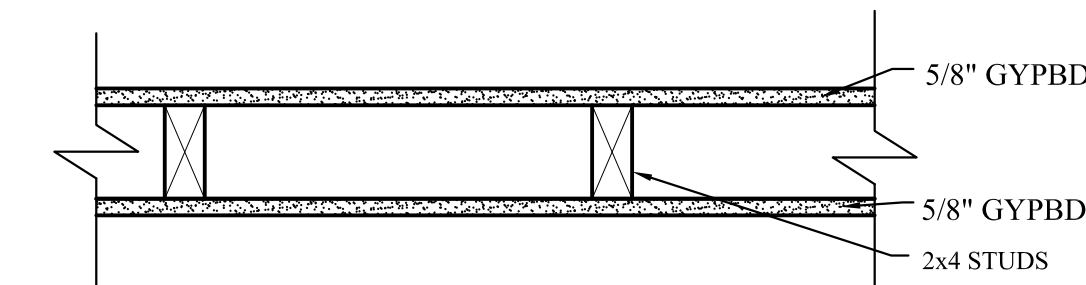
NOTE: ALL RATED WALLS TO BE TAKEN THROUGH CEILING TO UNDERSIDE OF FLOOR SHEATHING AND TO BE CAULKED AT SHEATHING AND AROUND FRAMING WITH 1 HR RATED CAULK



W2 EXISTING INTERIOR BRICK OR CMU WALL
UL Design U906 (EXIST CMU WALL) - 2 HOUR FIRE (1/2 HR REQUIRED)
IBC Table 720.1 Item 1-1.1 (EXIST MASONRY WALL) - 4 HOUR FIRE (1/2 HR REQD.)
12 inch Masonry wall - STC 59 (Riverbank Acoustic Labs TL70-6 1969 16f)

- Existing Masonry or CMU wall - 12 inch Masonry wall or 6 inch CMU wall

W2 EXISTING MASONRY OR CMU WALL



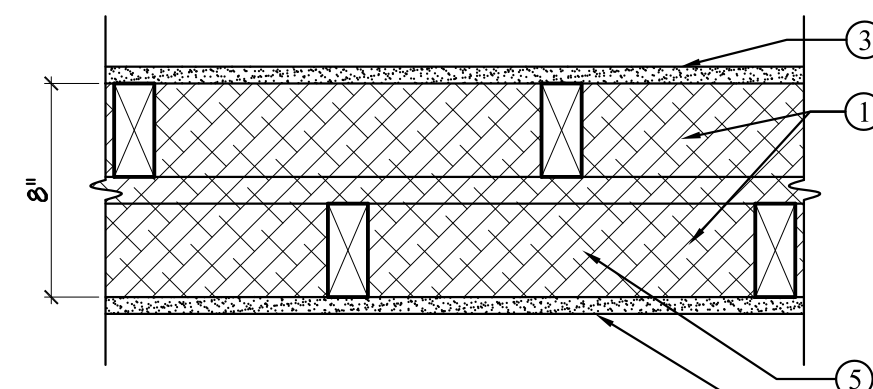
W3 1 HOUR STAIR ENCLOSURE WALL

GA FILE NO. WP 3510 GENERIC 1 HOUR FIRE

Thickness: 4 7/8"
Approx. Weight: 7 psf
Fire Test: UL R3501-47, -48, 9-17-65,
Design U309; UL R1319-129, 7-22-70,
UL Design U314
Sound Test: NGC 2404, 10-14-70
GYPSUM WALLBOARD, WOOD STUDS
One layer 5/8" type X gypsum wallboard or gypsum veneer base applied
parallel or at right
angles to each side of 2x4 wood studs @ 24" o.c. with 6d coated nails,
17/8" long, 0.0915"
shank, 1/4" heads, 7" o.c. Joints staggered 24" on opposite sides.
(LOAD-BEARING)

NOTE: ALL RATED WALLS TO BE TAKEN THROUGH CEILING TO UNDERSIDE OF FLOOR SHEATHING AND TO BE CAULKED AT SHEATHING AND AROUND FRAMING WITH 1 HR RATED CAULK

W3 EXISTING STAIR ENCLOSURE WALL

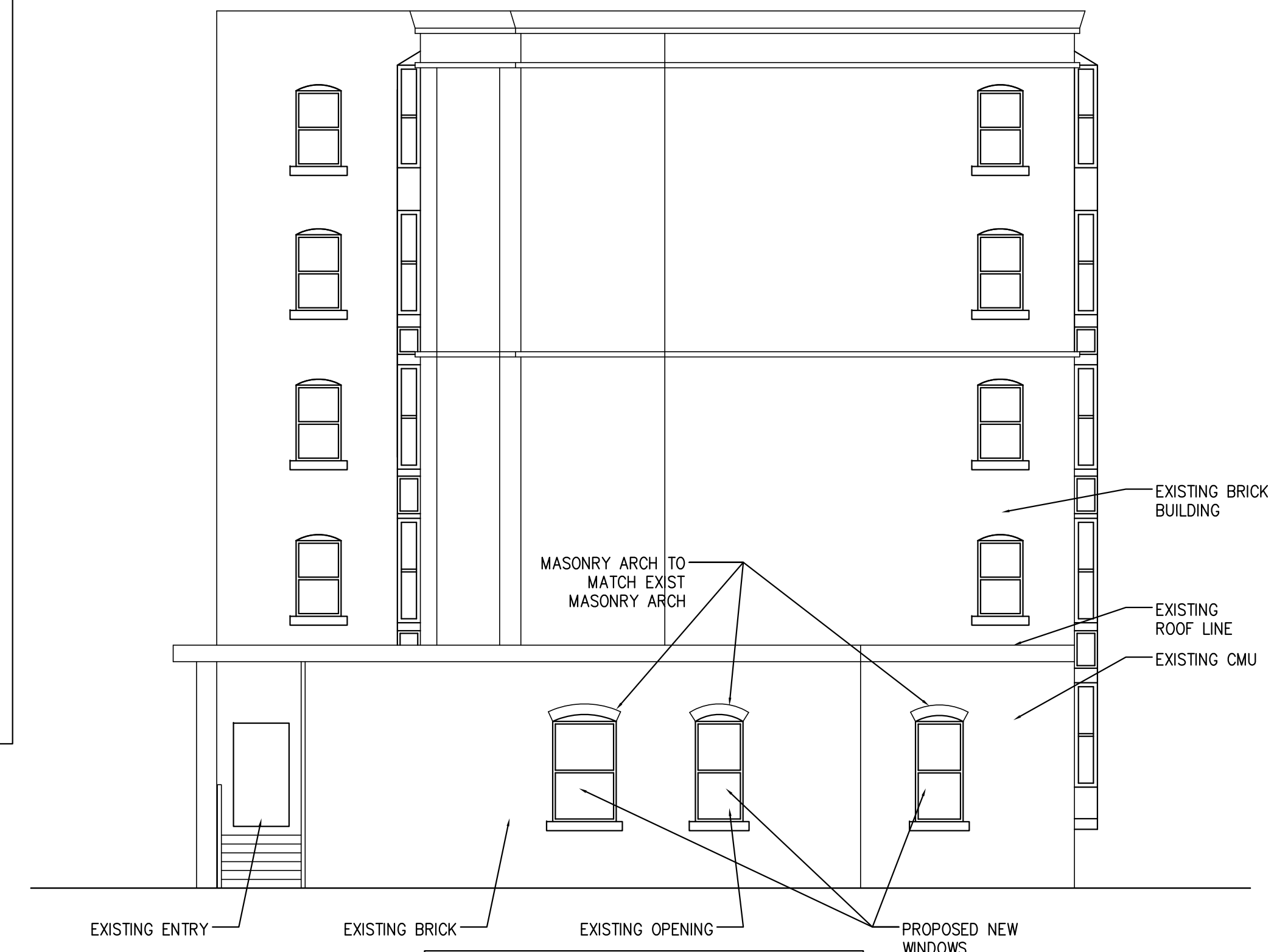


W1A 1 HOUR DWELLING UNIT SEPARATION
ALTERNATE PARTY WALL ASSEMBLY

W1A 1 HOUR WALL ASSEMBLY - 61 STC
DESIGN NUMBER U.L. U370
STC RATING - 61 Sound Test: Riverbank Acoustical Laboratories, NU-Wool Company

- Wood Studs - Double row of nominal 2 x 4 in. studs, spaced 16 in. OC and cross-braced at mid-height. Opposite rows spaced 1 in. apart, staggered 8 in. OC and joined at the top and bottom with bearing plates.
- Bearing Plates - (not shown) Nominal 2 x 4 in. Two layers on top and one layer on bottom for each row of studs.
- Wallboard, Gypsum - (For 1-1/2 and 2 Hr. Ratings) 5/8 inch thick, 4 ft wide gypsum wallboard applied horizontally (backed by 2 x 4 in. wood framing) or vertically and attached to studs and bearing plates Type S steel screws spaced 8 in. OC, along edges of board and 12 in. OC in the field of the board. When gypsum board is applied horizontally, vertical butt joints to be centered over studs. When gypsum board is applied vertically, vertical butt joints to be centered over the studs and horizontal joints to be backed by 2 x 4 in. wood framing.
- Joints and Screwheads - (Not shown) - Wallboard joints taped and both joints and nailheads covered with joint compound.
- Fiber, Sprayed - Spray applied cellulose material. The fiber is applied with water to completely fill the enclosed cavity in accordance with the application instructions supplied with the product. Nominal dry density of 3.0 lb/ft³.

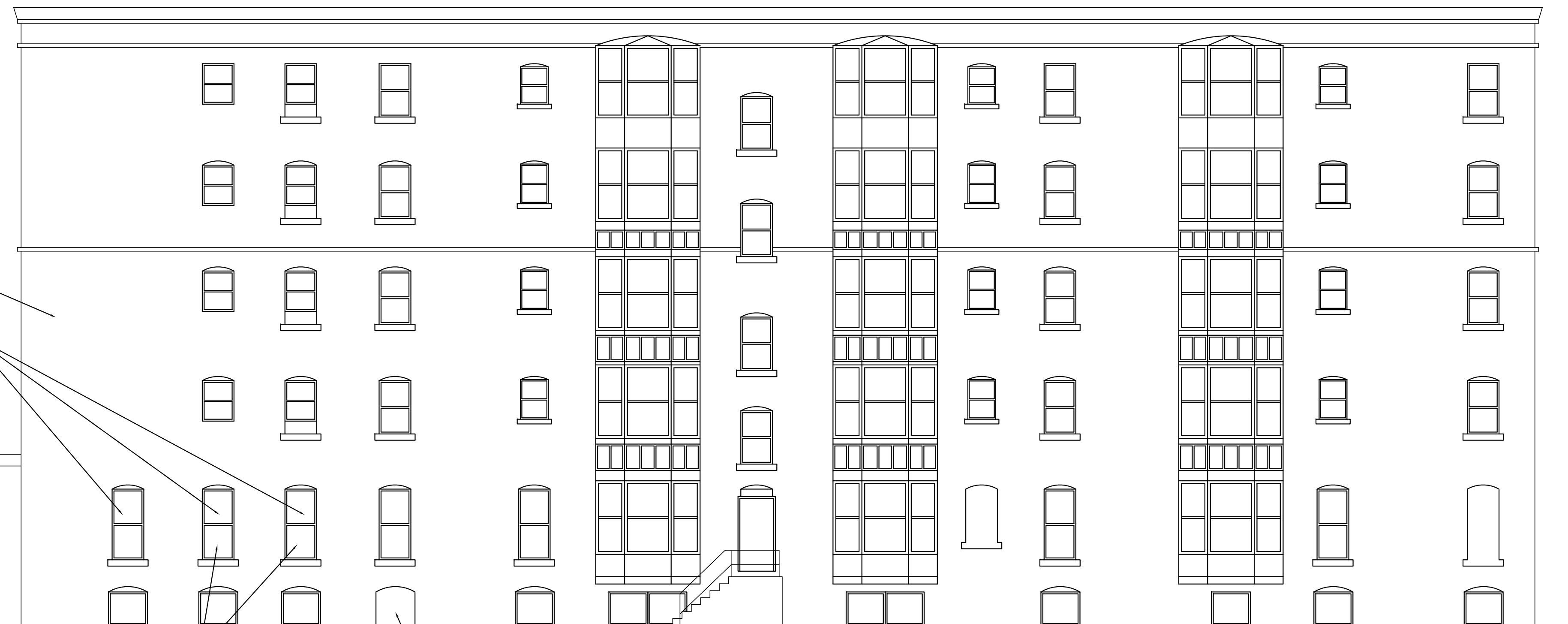
NOTE:
All walls that have cellulose insulation are to have horizontal blocking the full width of the studs at 5'-0" intervals.



A - SOUTH ELEVATION

SCALE: 1/16"=1'-0"

NEW WINDOWS ARE TO BE LINCOLN 'DISTINCTION' ALUMINUM CLAD DOUBLE HUNG WINDOWS, ALUMINUM CLADDING TO MATCH EXISTING BRONZE ANODISED WINDOWS.
WINDOW AND GLAZING TO PROVIDE MAX U-FACTOR OF 0.35



EXISTING BRICK BUILDING

REMOVE EXIST BRICK INFILL IN ORIGINAL WINDOW OPENINGS AND INSTALL NEW WINDOWS

EXISTING CMU

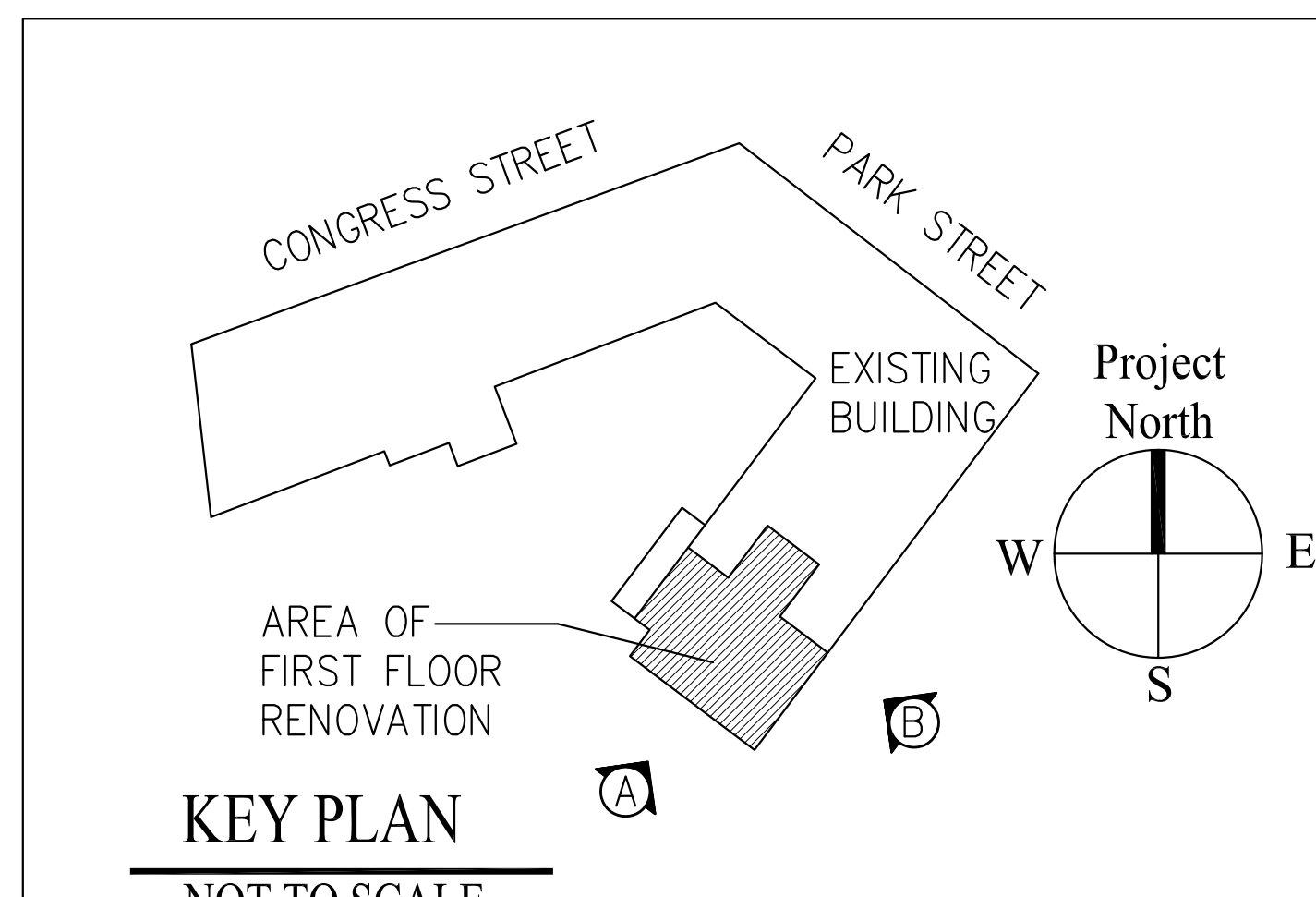
EXISTING OPENING LOWER SILL TO MATCH

EXISTING WINDOW WITH BRICK INFILL

NEW WINDOWS ARE TO BE LINCOLN 'DISTINCTION' ALUMINUM CLAD DOUBLE HUNG WINDOWS, ALUMINUM CLADDING TO MATCH EXISTING BRONZE ANODISED WINDOWS.
WINDOW AND GLAZING TO PROVIDE MAX U-FACTOR OF 0.35

B - EAST ELEVATION

SCALE: 1/16"=1'-0"



KEY PLAN

NOT TO SCALE

ARCHETYPE Architects
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project: 638 CONGRESS ST
LAFAYETTE BUILDING
PORTLAND, MAINE

Date: 2 November 2012
Scale: 1/16" = 1'-0"
PROPOSED ELEVATIONS AND WALLTYPES

A2