



APPLICATION
CERTIFICATE of APPROPRIATENESS-or-
DESIGN APPROVAL-or-EXEMPTION

Deliver or mail to:
Environment Department
Boston City Hall, Rm 709
Boston, MA 02201

For Office Use Only

APPLICATION # _____
RECEIVED _____
FEE _____
HEARING DATE _____

DO NOT RETURN THIS FORM BY FAX OR EMAIL

DO NOT STAMP THIS BOX

I. PROPERTY ADDRESS _____

NAME of BUSINESS/PROPERTY _____

The names, telephone numbers, postal and e-mail addresses requested below will be used for all subsequent communications relating to this application. Environment Department personnel cannot be responsible for illegible, incomplete or inaccurate contact information provided by applicants.

II. APPLICANT _____

CONTACT NAME _____ RELATIONSHIP TO PROPERTY _____

MAILING ADDRESS _____ ZIP _____

PHONE _____ EMAIL _____

PROPERTY OWNER _____ CONTACT NAME _____

MAILING ADDRESS _____ ZIP _____

PHONE _____ EMAIL _____

ARCHITECT _____ CONTACT NAME _____

MAILING ADDRESS _____ ZIP _____

PHONE _____ EMAIL _____

CONTRACTOR _____ CONTACT NAME _____

MAILING ADDRESS _____ ZIP _____

PHONE _____ EMAIL _____

III. DESCRIPTION OF PROPOSED WORK



A BRIEF OUTLINE OF THE PROPOSED WORK *MUST* BE GIVEN IN THE SPACE PROVIDED BELOW, OR THE APPLICATION WILL *NOT* BE ACCEPTED. This description provides the basis for the official notice and subsequent decision, and it must clearly represent the entirety of the project. Additional pages may be attached, if necessary, to provide more detailed information.

REQUIRED DOCUMENTATION: Please include all required documentation with this application; review instructions carefully for details.

ESTIMATED COST OF PROPOSED WORK: \$240,000 (EXTERIOR WORK)

IV. DULY AUTHORIZED SIGNATURES (both required)

The facts set forth above in this application and accompanying documents are a true statement made under penalty of perjury.

APPLICANT  OWNER* 
 *(If building is a condominium or cooperative, the chairman must sign.)

PRINT GUY GRASSI PRINT GUY GRASSI AGENT

Environment Department personnel cannot be responsible for verifying the authority of the above individuals to sign this application. Misrepresentation of signatory authority may result in the invalidation of the application.

UNSIGNED OR PARTIALLY SIGNED FORMS WILL BE REJECTED

THIS APPLICATION IS NOT COMPLETE WITHOUT SIGNATURES, FEES AND REQUIRED DOCUMENTATION. The checklist below is for reference only: Please refer to the detailed application instructions for deadlines, fee schedule and required documentation specific to your proposal.

- COMPLETED APPLICATION FORM
- APPLICATION FEE (Check or money order made payable to City of Boston; see fee schedule in Instructions)
- DESCRIPTION OF WORK (A brief description must be included on the front page; additional pages of detailed information may be attached. **Applications that only note "see attached" will not be accepted.**)
- PHOTOS OF EXISTING CONDITIONS
- DRAWINGS AND SPECIFICATIONS AS REQUIRED (See "documentation requirements" in instructions)

Existing Front Elevation



Existing Entry Door Elevation



Existing Front Elevation Details



Existing Front Copper Bay



Existing Front Elevation Details

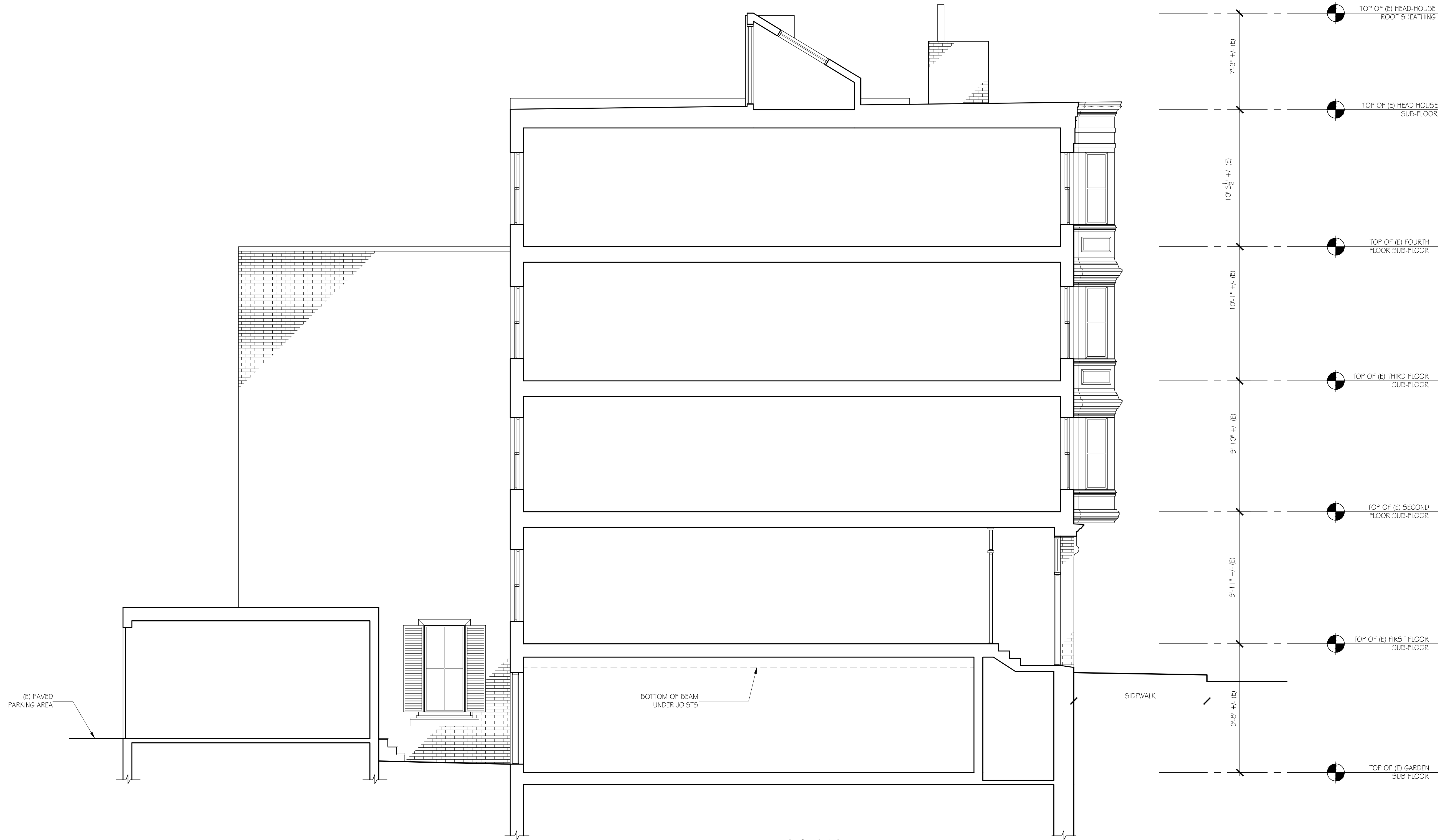




Existing Window Details

Existing Garden Level Front Windows

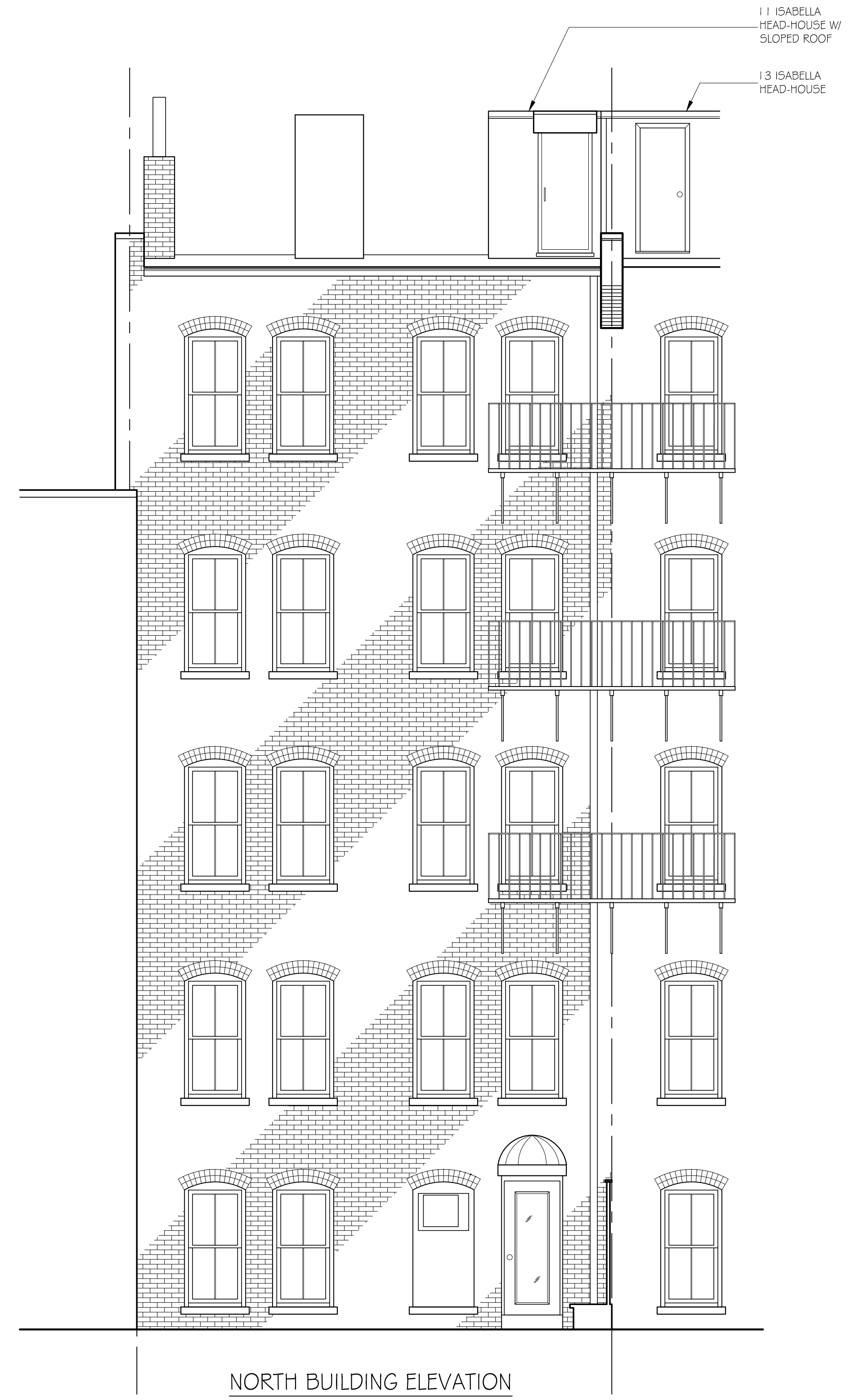




BUILDING SECTION
 1/4" = 1'-0"



SOUTH BUILDING ELEVATION
 $\frac{1}{4}'' = 1'-0''$



NORTH BUILDING ELEVATION
 $\frac{1}{4}'' = 1'-0''$

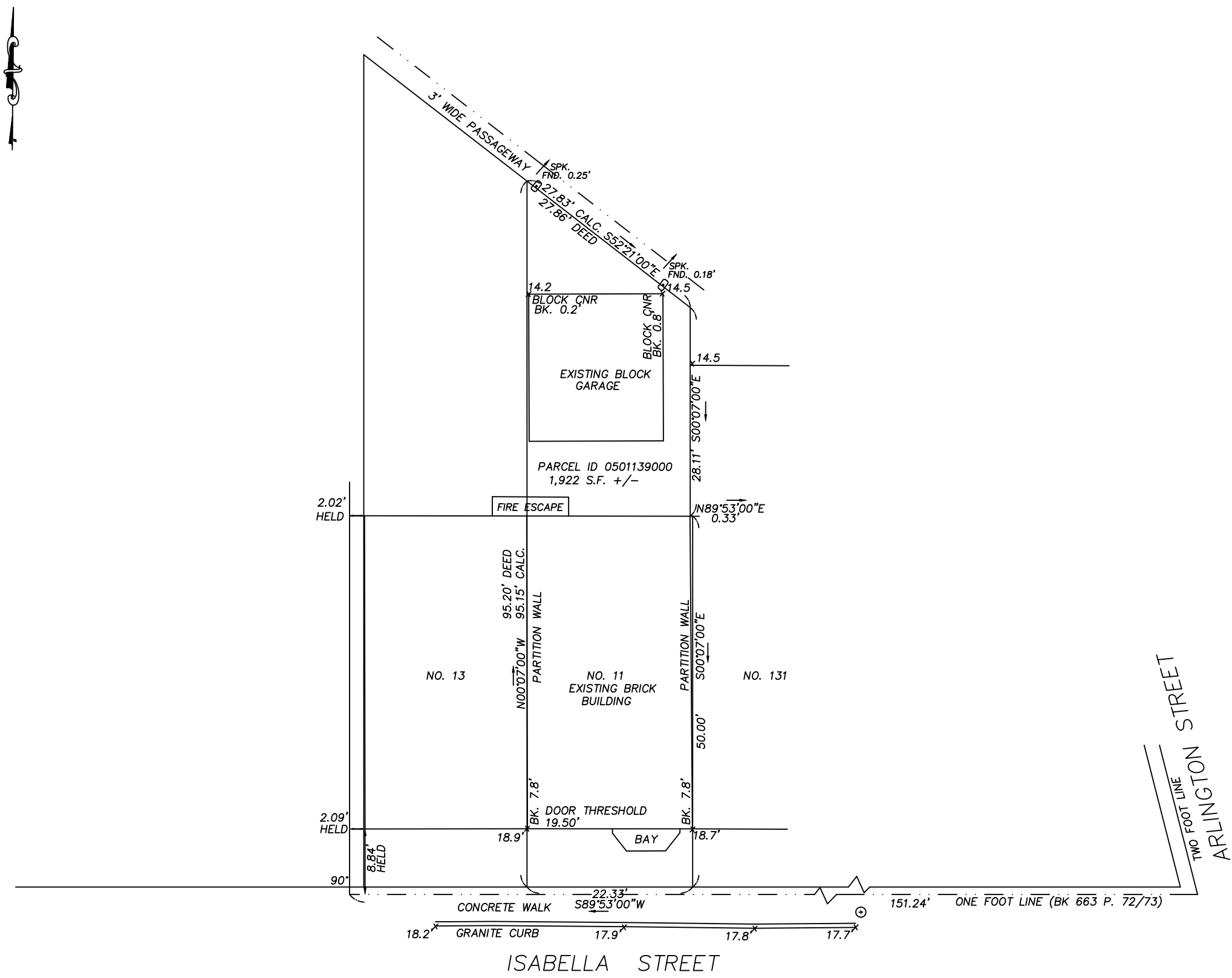
JOB NO: 1721	SCALE: 1/4" = 1'-0"
DATE: 01/29/18	REVISED

11 ISABELLA STREET
 BOSTON, MA

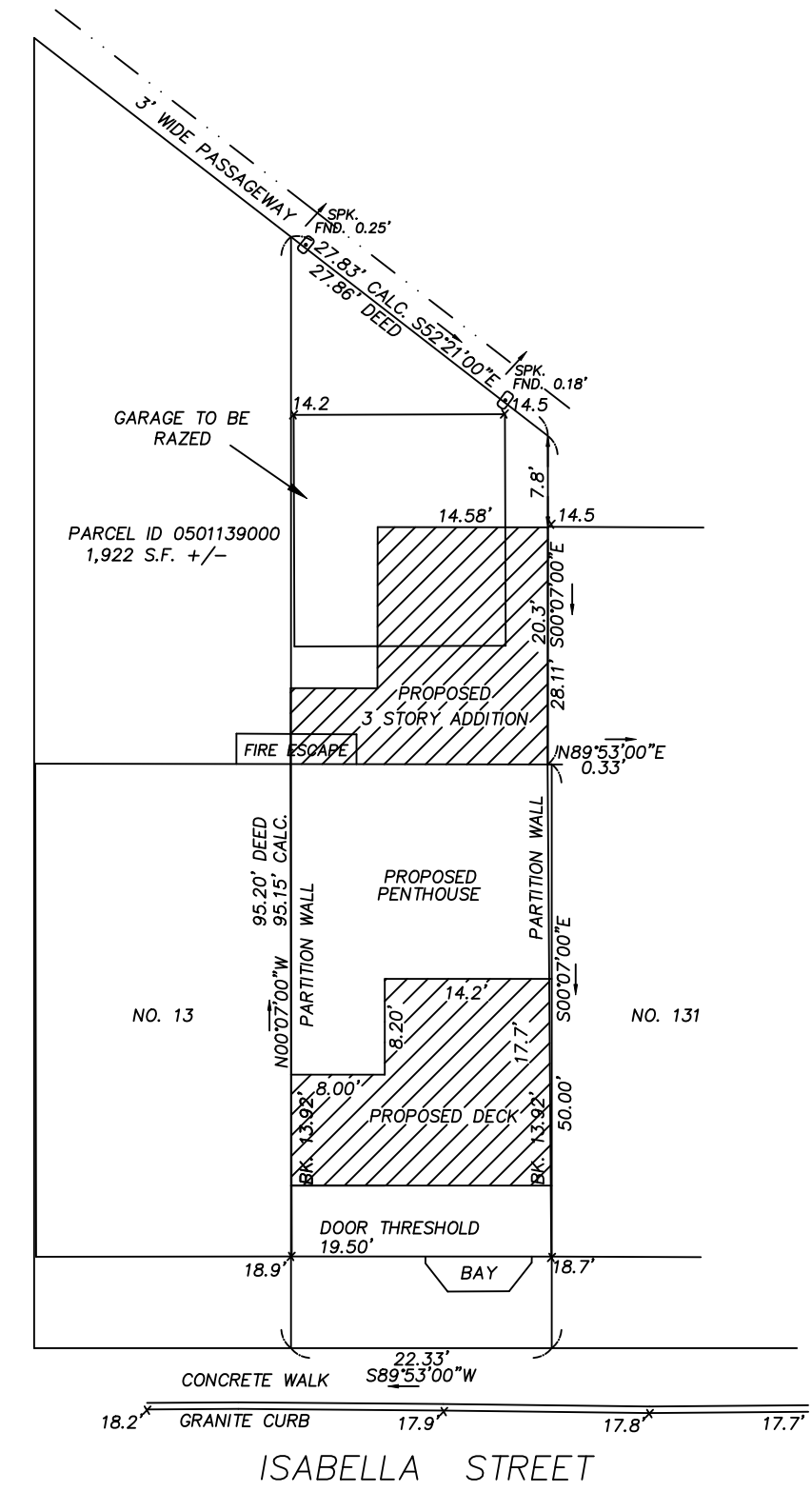
**NORTH AND SOUTH
 BUILDING ELEVATIONS**

REFERENCE:
 BOOK 13482 PAGE 123
 TIES FROM BRICK CORNERS

EXISTING



PROPOSED

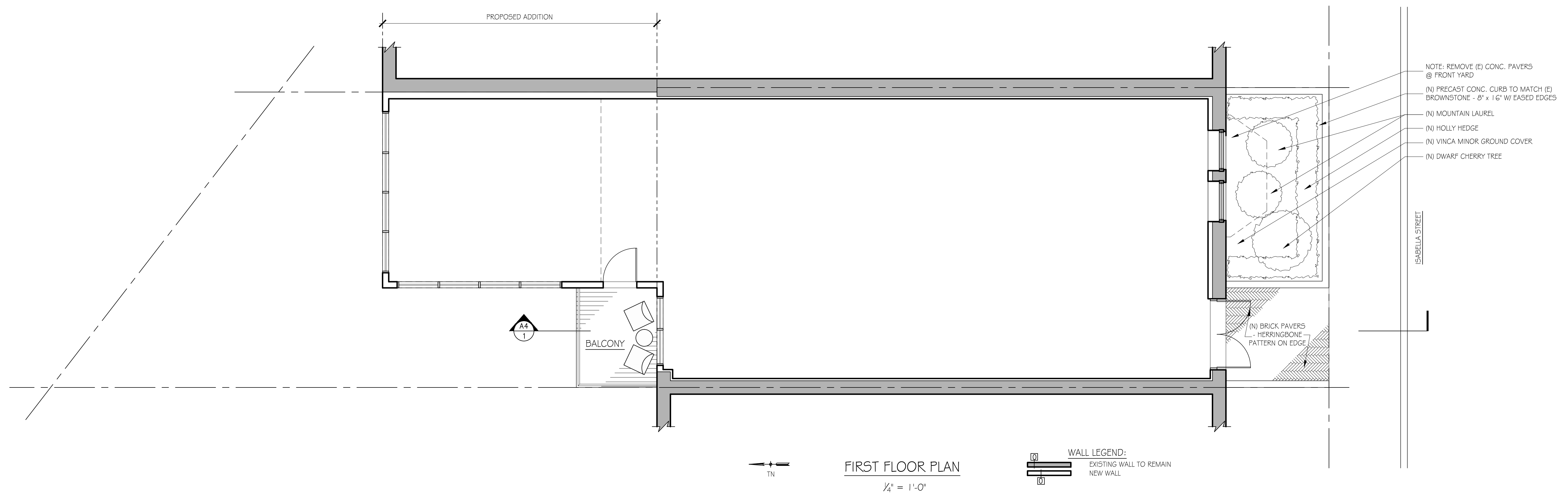
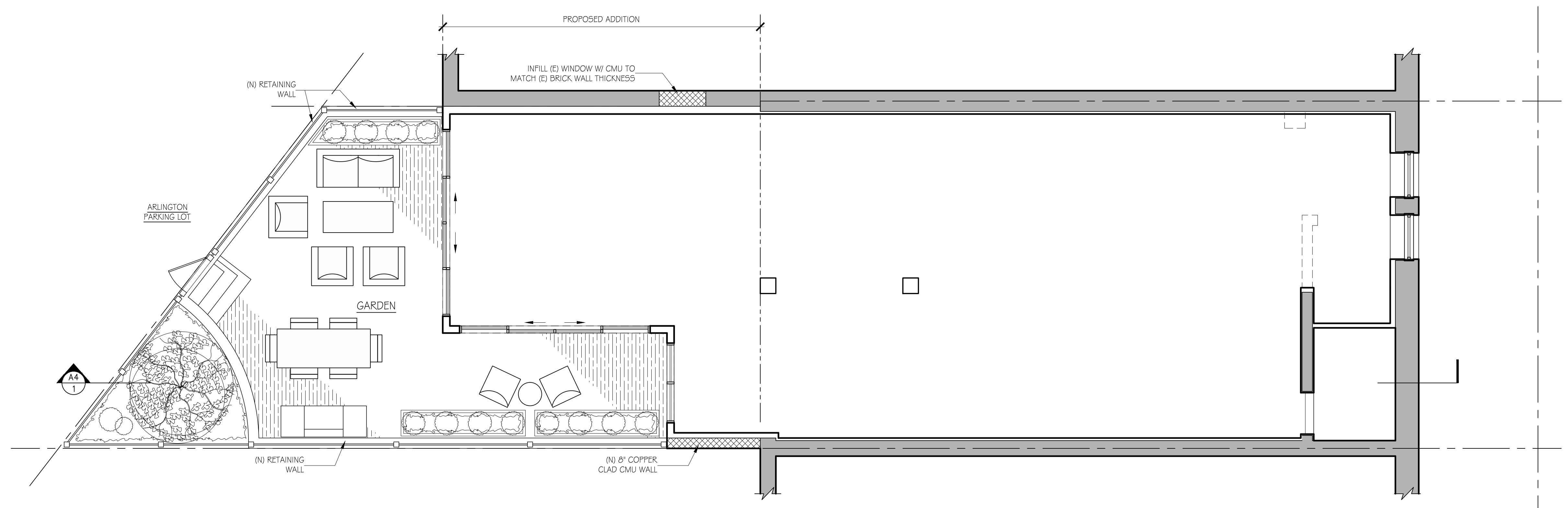


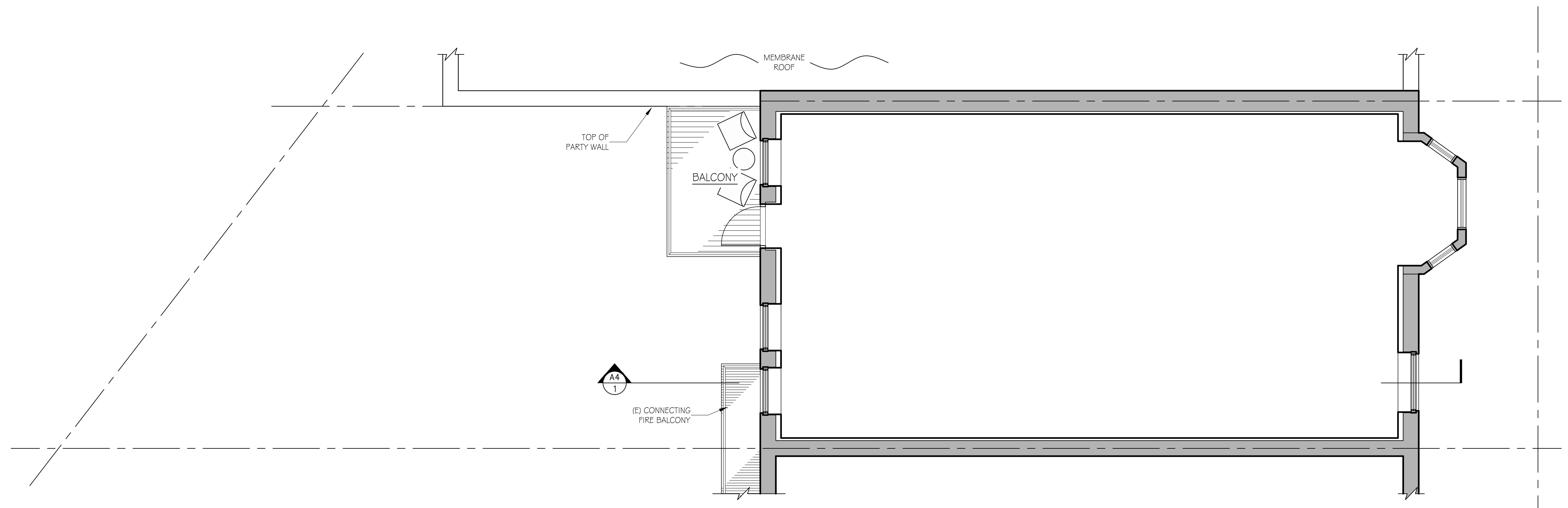
PROFESSIONAL LAND SURVEYOR

DATE: _____



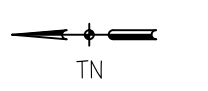
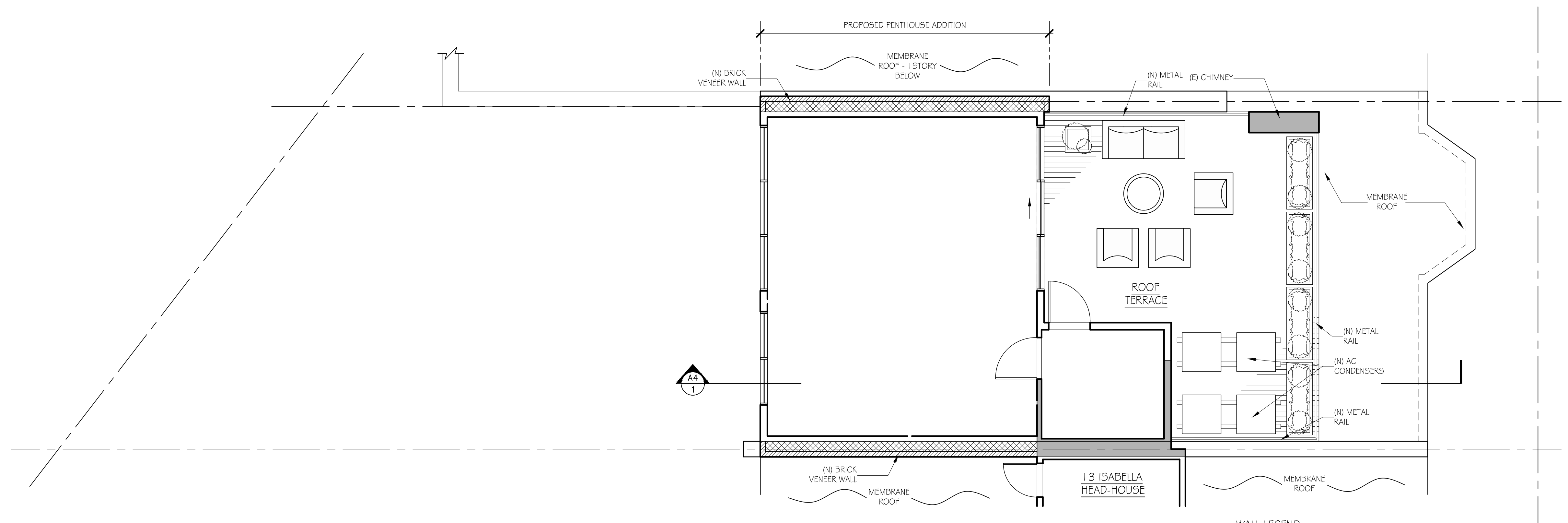
PLOT PLAN
 AT
 11 ISABELLA STREET
 IN
 BOSTON, MASS.
 NEPONSET VALLEY SURVEY ASSOC., INC.
 95 WHITE STREET
 QUINCY, MA 02269
 TEL. 617-472-4867
 DATE:
 AUGUST 20, 2018





FOURTH FLOOR PLAN
 1/4" = 1'-0"

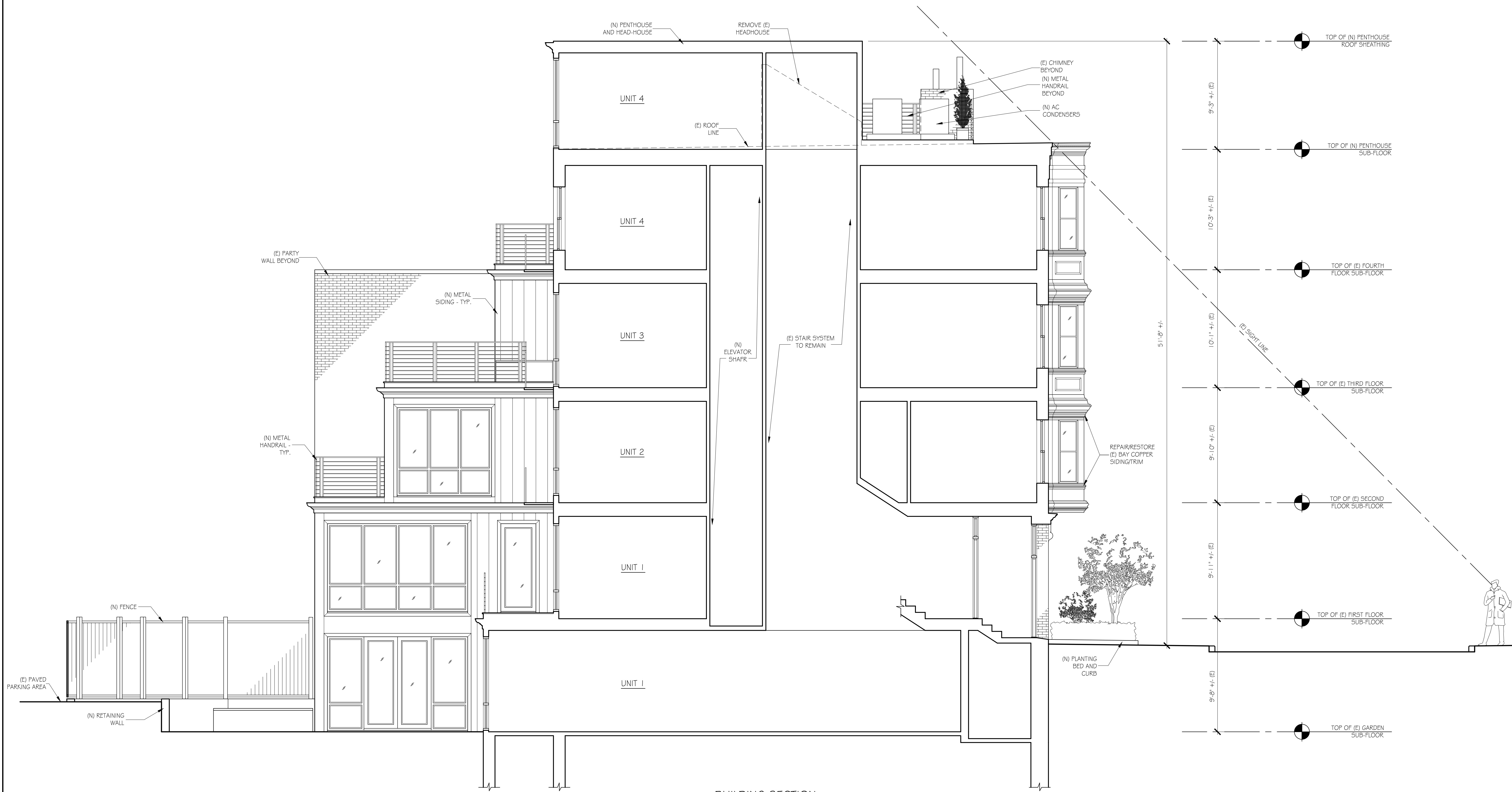
WALL LEGEND:
 [Symbol] EXISTING WALL TO REMAIN
 [Symbol] NEW WALL



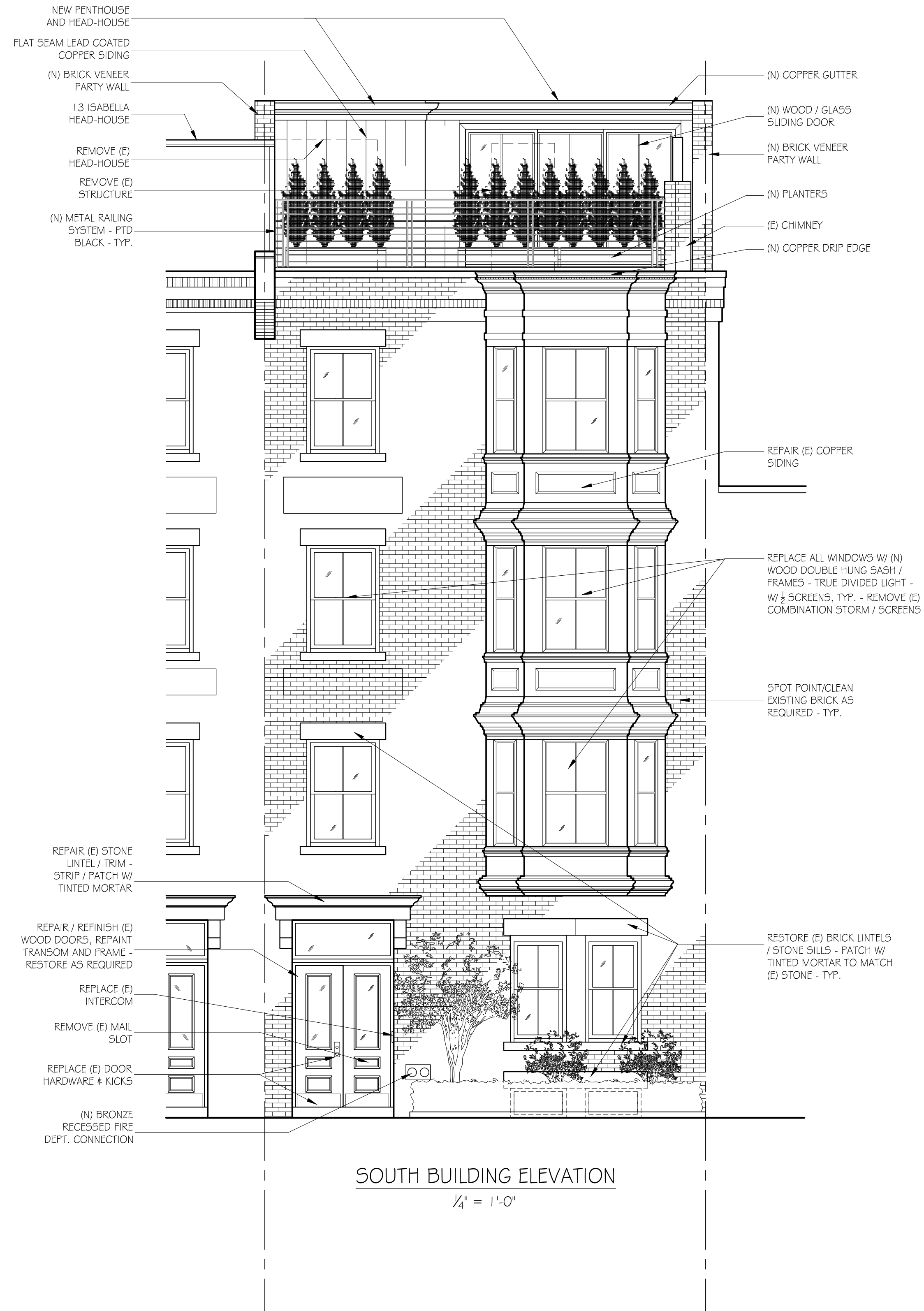
PENTHOUSE & ROOF PLAN
 1/4" = 1'-0"

WALL LEGEND:
 [Symbol] EXISTING WALL TO REMAIN
 [Symbol] NEW WALL

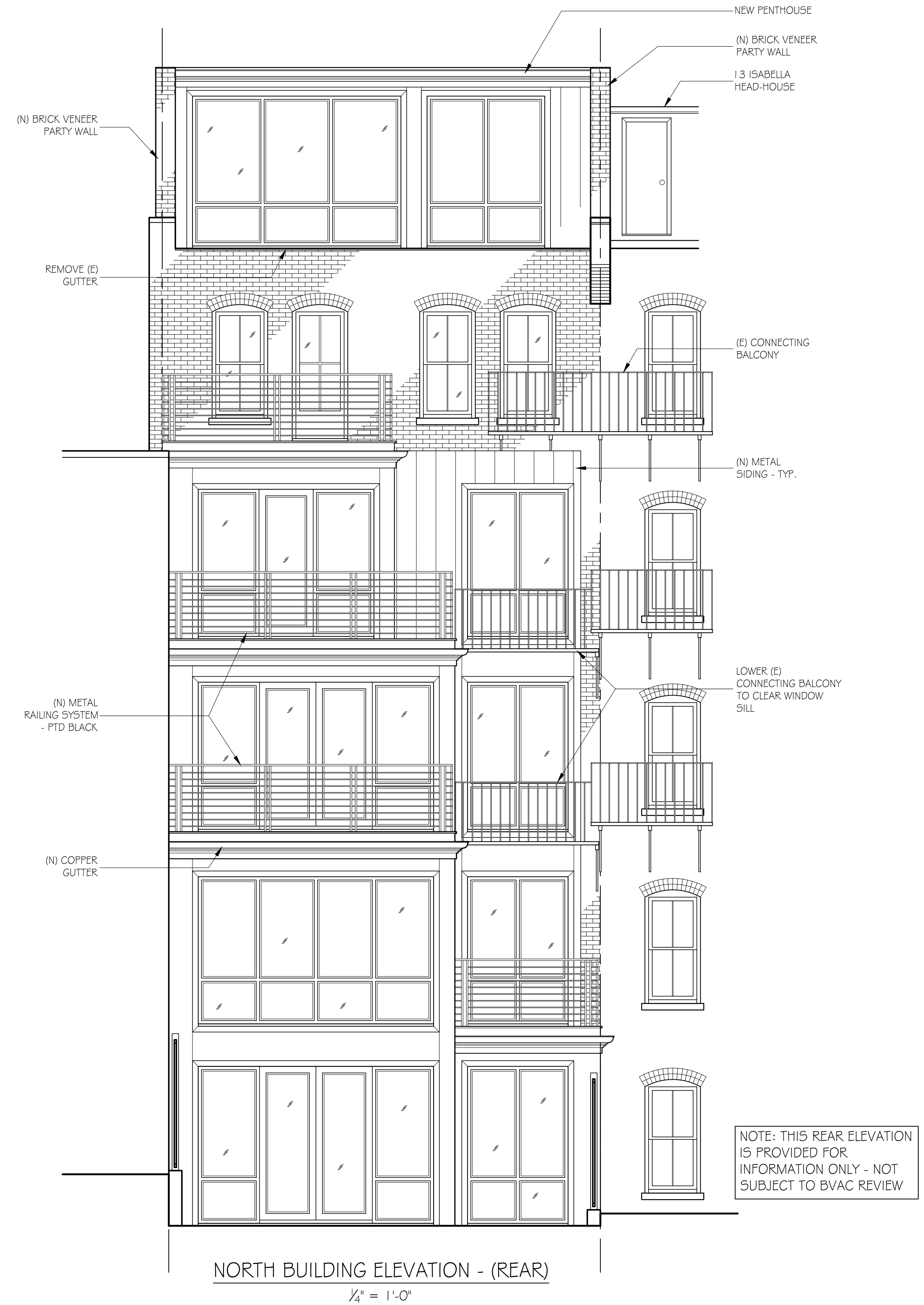
JOB NO: 1721	SCALE: 1/4" = 1'-0"
DATE: 04/04/18	REVISED



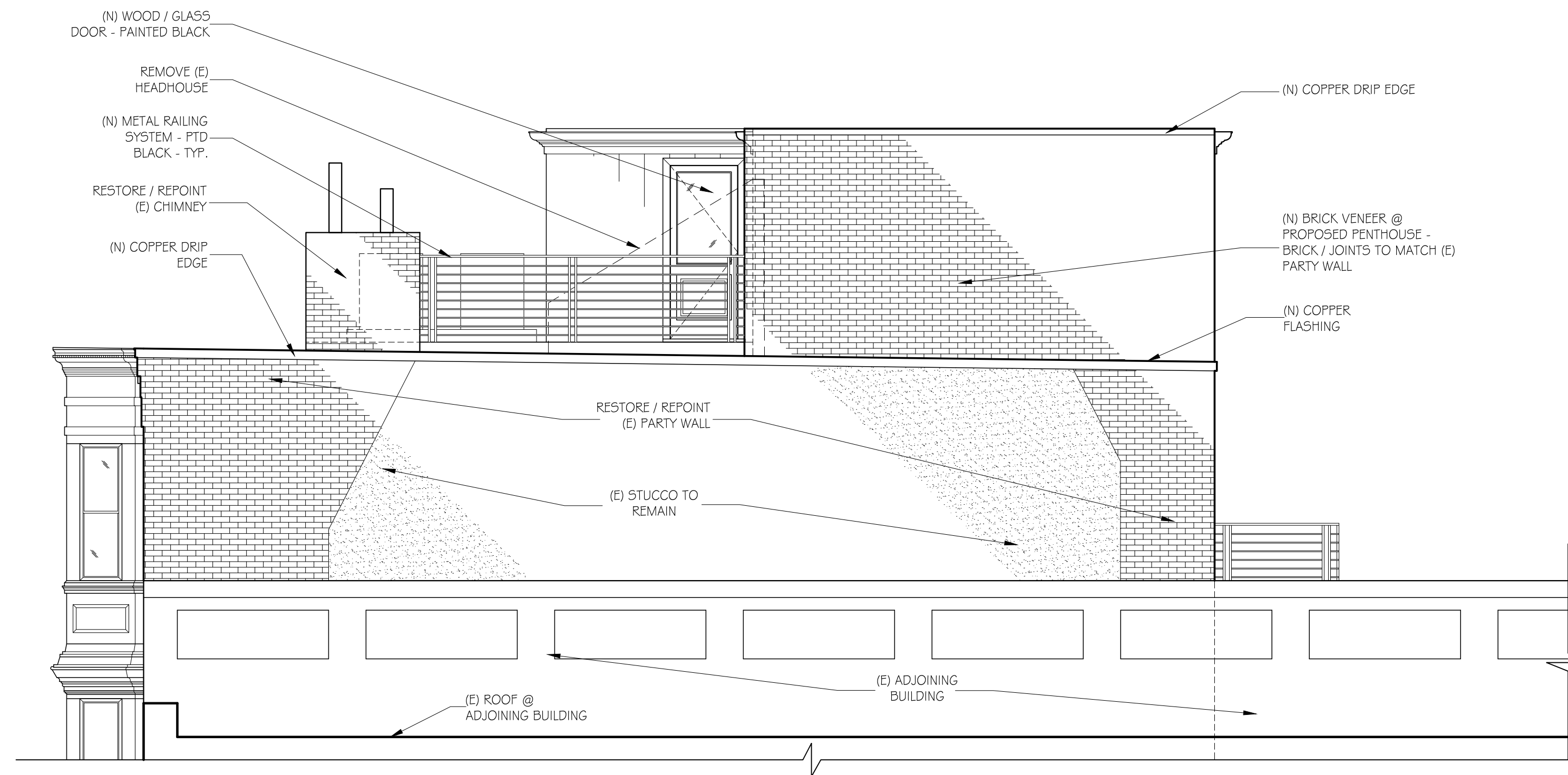
BUILDING SECTION
 $\frac{1}{4}" = 1'-0"$



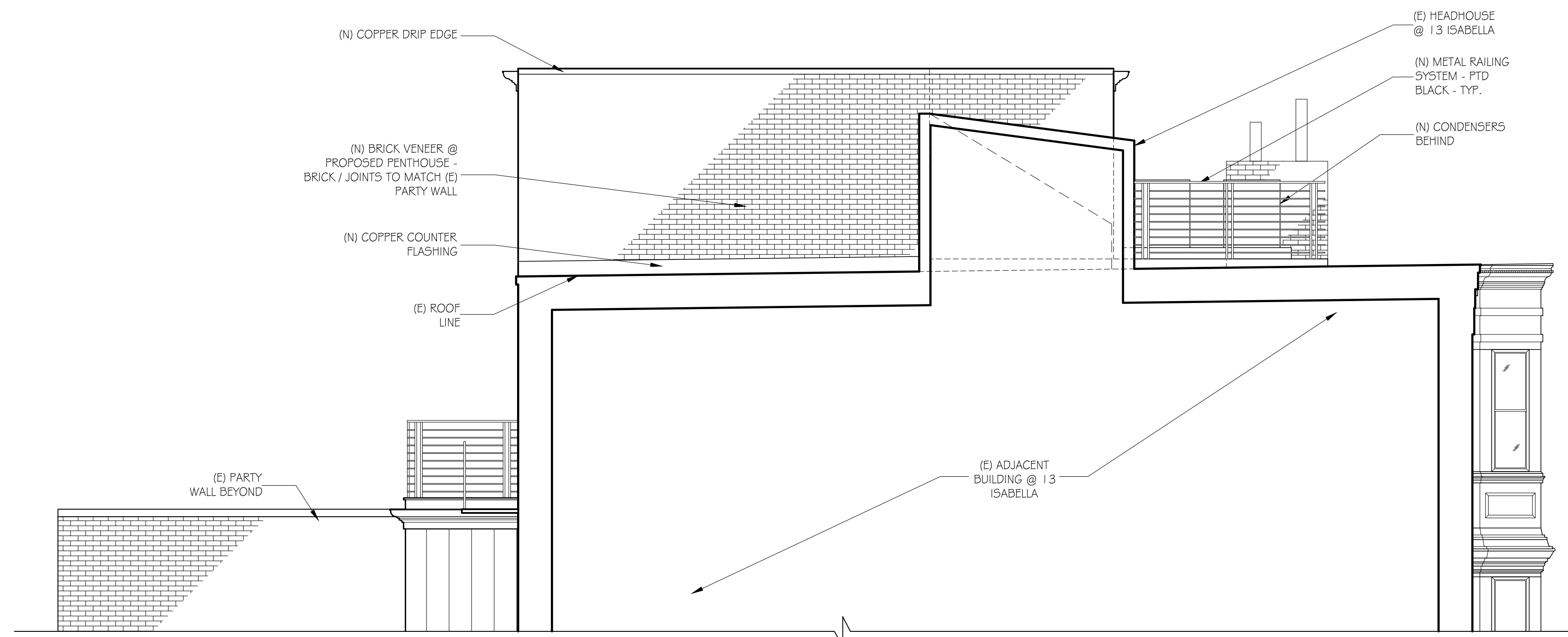
SOUTH BUILDING ELEVATION
1/4" = 1'-0"



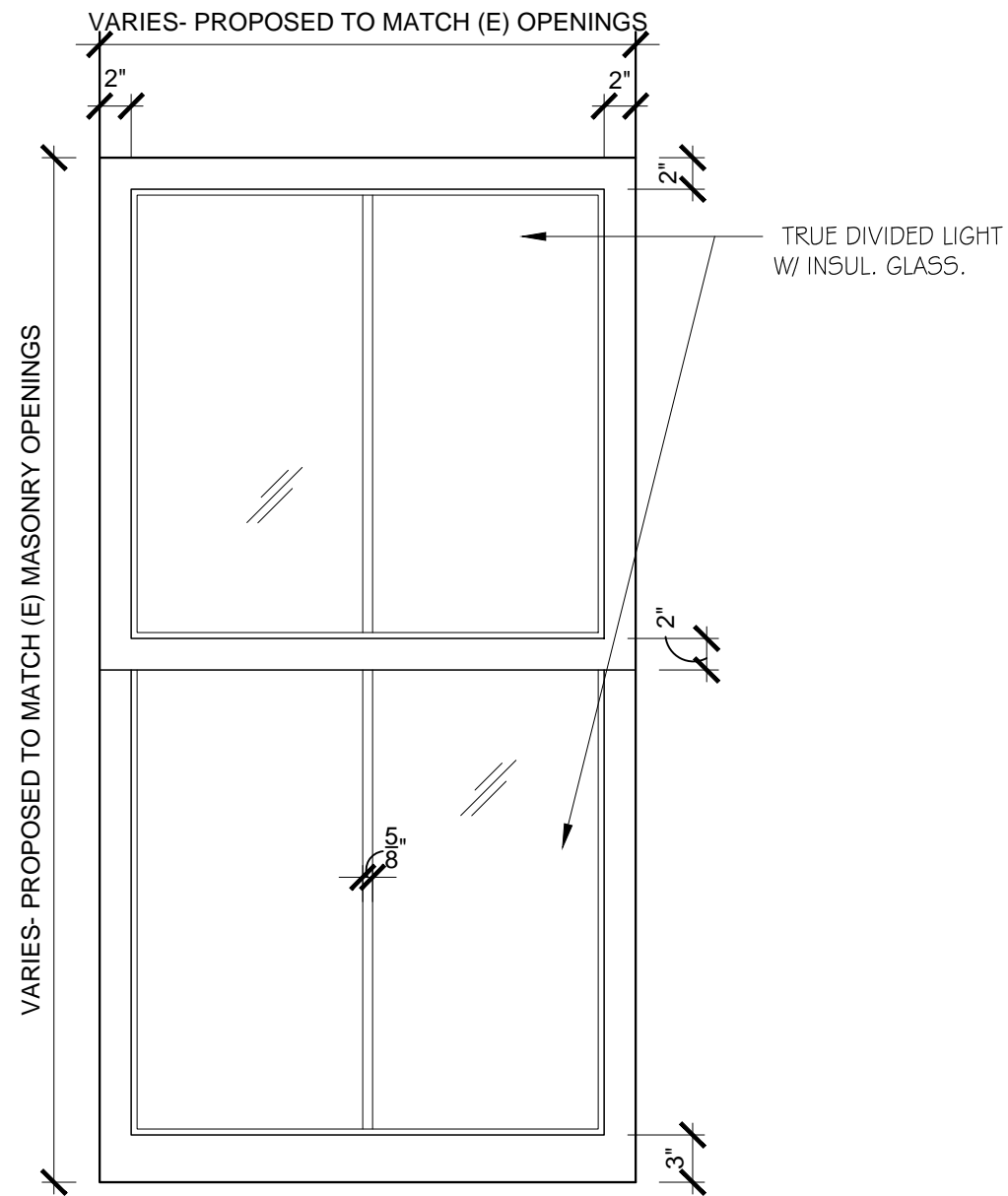
NORTH BUILDING ELEVATION - (REAR)
1/4" = 1'-0"



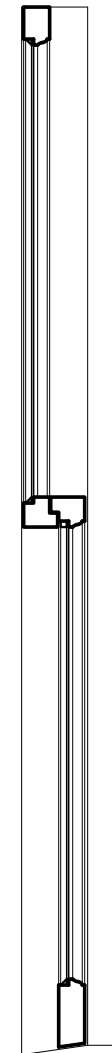
PARTIAL EAST BUILDING ELEVATION
 $\frac{1}{4}'' = 1'-0''$



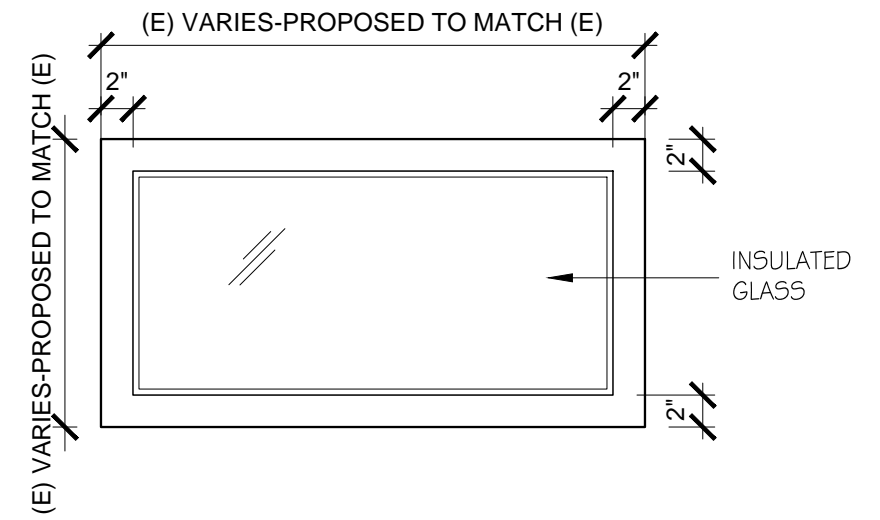
PARTIAL WEST BUILDING ELEVATION
 $\frac{1}{4}'' = 1'-0''$



TYPICAL WINDOW ELEVATION



TYPICAL WINDOW SECTION



BASEMENT WINDOW ELEVATION



BASEMENT WINDOW SECTION

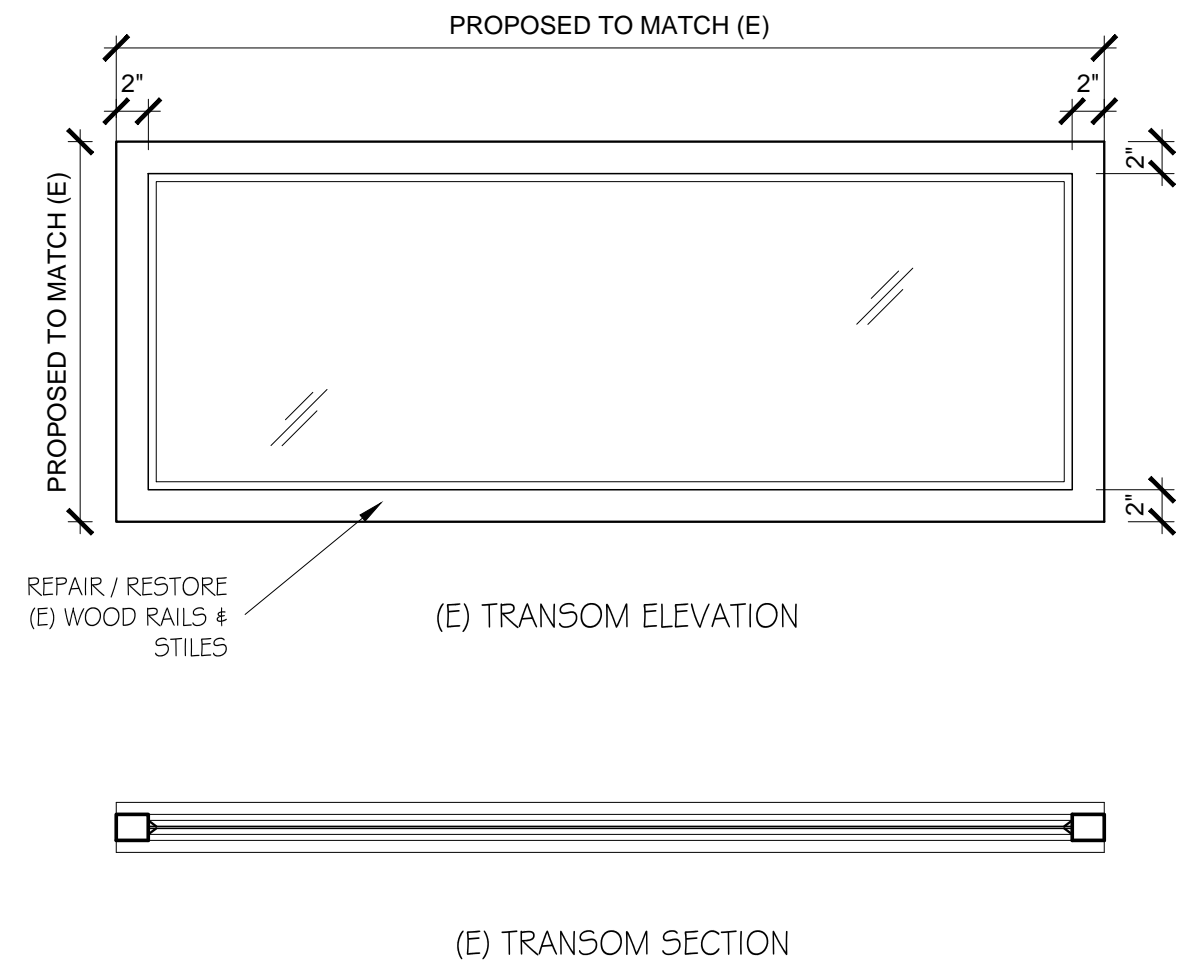
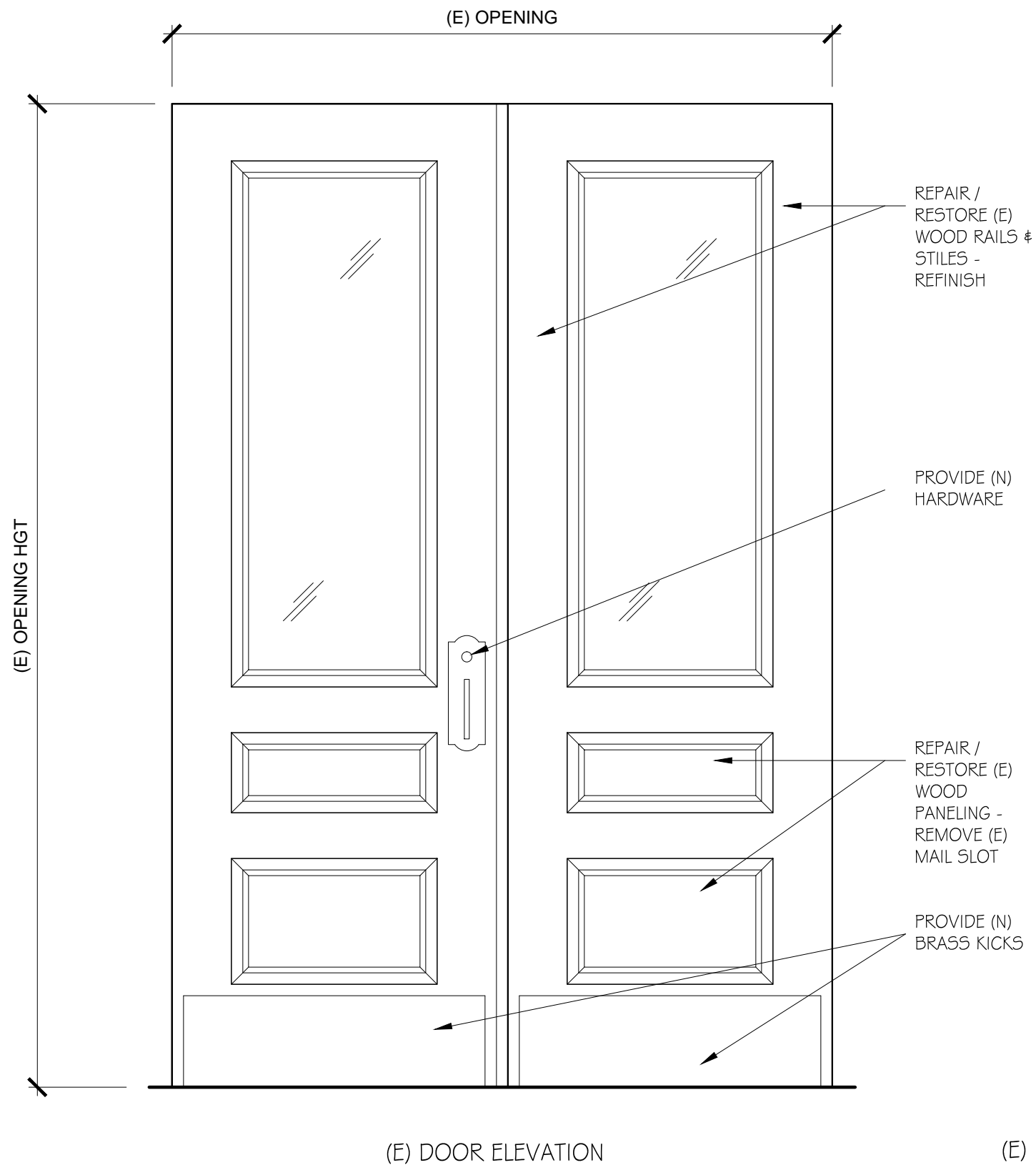
JOB NO:1721	SCALE: 1" = 1'- 0"	DATE: 11.19.18
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TYPICAL REPLACEMENT WINDOW SASH/FRAME &
BASEMENT WINDOW SASH/FRAME

GD GRASSI DESIGN GROUP
46 Waltham Street, Suite 3A
Boston, MA 02118
Phone 617-956-9992
Fax 917-956-9993

BG BEAUCHEMIN GRASSI INTERIORS

11 ISABELLA STREET
BOSTON, MA



DOOR FINISH : NATURAL

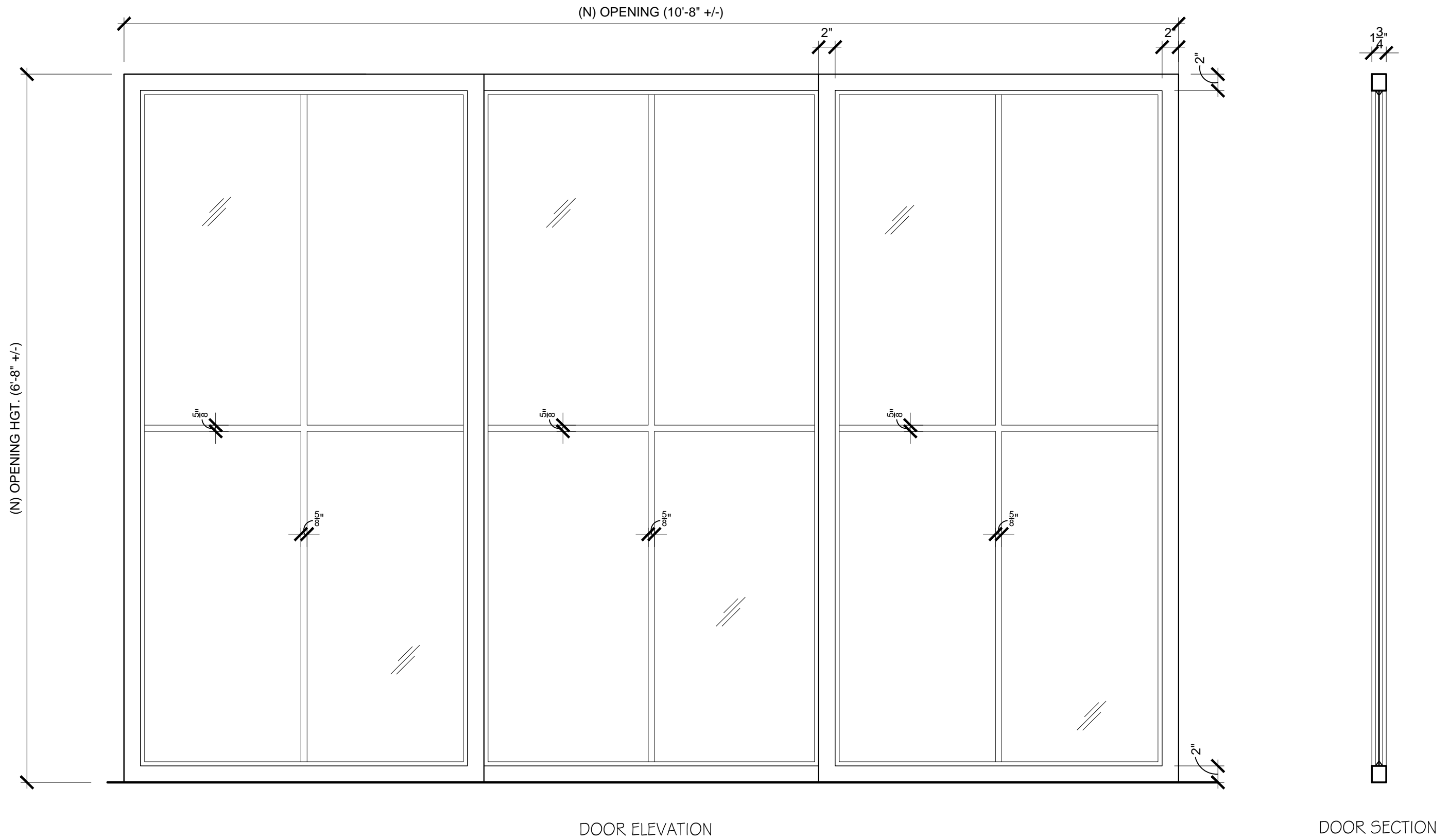
JOB NO:1721	SCALE: 1" = 1'-0"	DATE: 11.19.18
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EXISTING WOOD/GLASS DOOR AND TRANSOM
ELEVATION & SECTION

G I GRASSI DESIGN GROUP
46 Waltham Street, Suite 3A
Boston, MA 02118
Phone 617-956-9992
Fax 917-956-9993

B G BEAUCHEMIN GRASSI INTERIORS

11 ISABELLA STREET
BOSTON, MA



DOOR FINISH : PAINTED BLACK

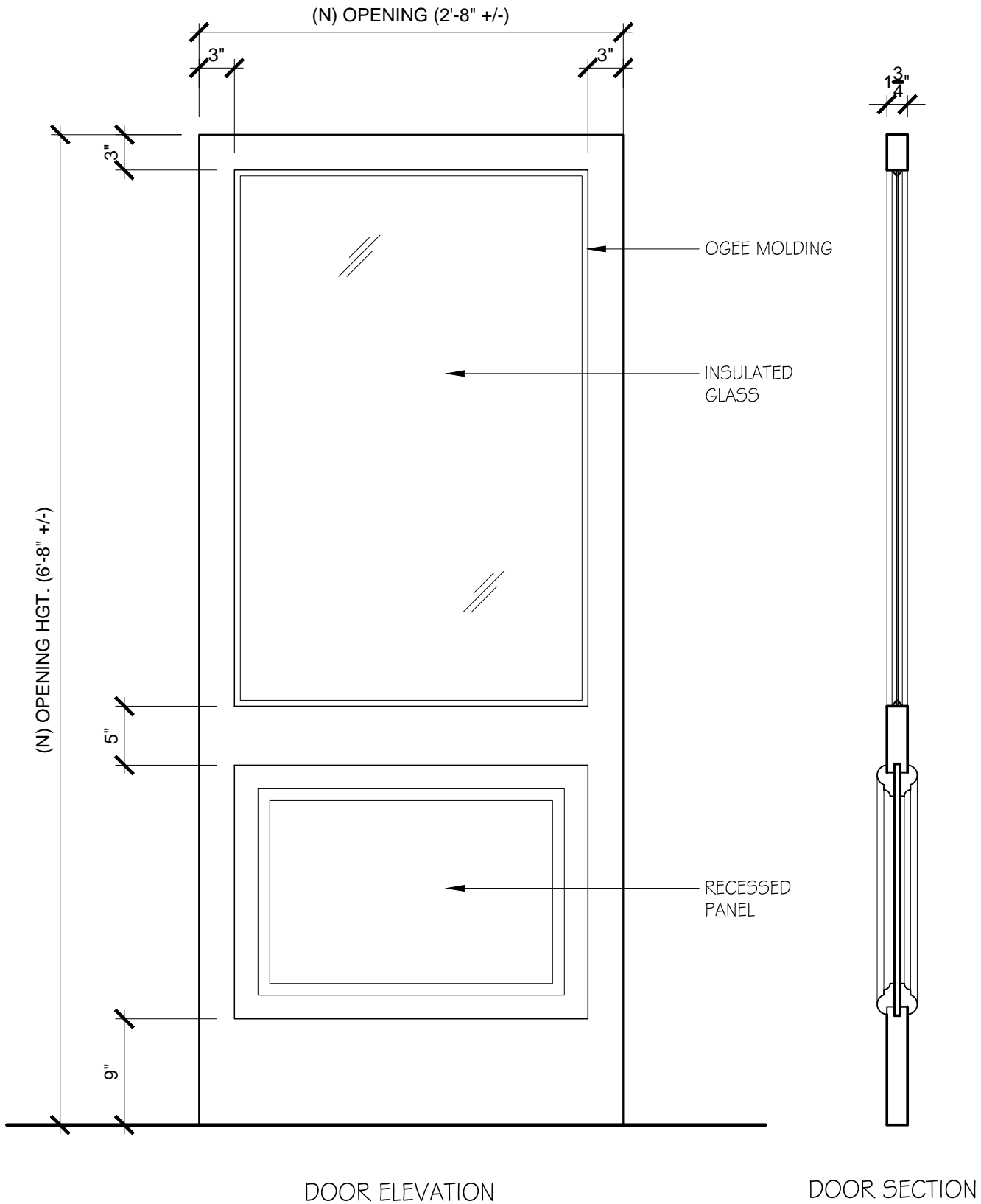
JOB NO:1721	SCALE: 1" = 1'- 0"	DATE: 11.19.18
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WOOD/GLASS SLIDING DOOR
ELEVATION & SECTION

GD GRASSI DESIGN GROUP
46 Waltham Street, Suite 3A
Boston, MA 02118
Phone 617-956-9992
Fax 917-956-9993

BG BEAUCHEMIN GRASSI INTERIORS

11 ISABELLA STREET
BOSTON, MA



DOOR FINISH : PAINTED BLACK

JOB NO:1721

SCALE:
1" = 1'- 0"

DATE: 11.19.18

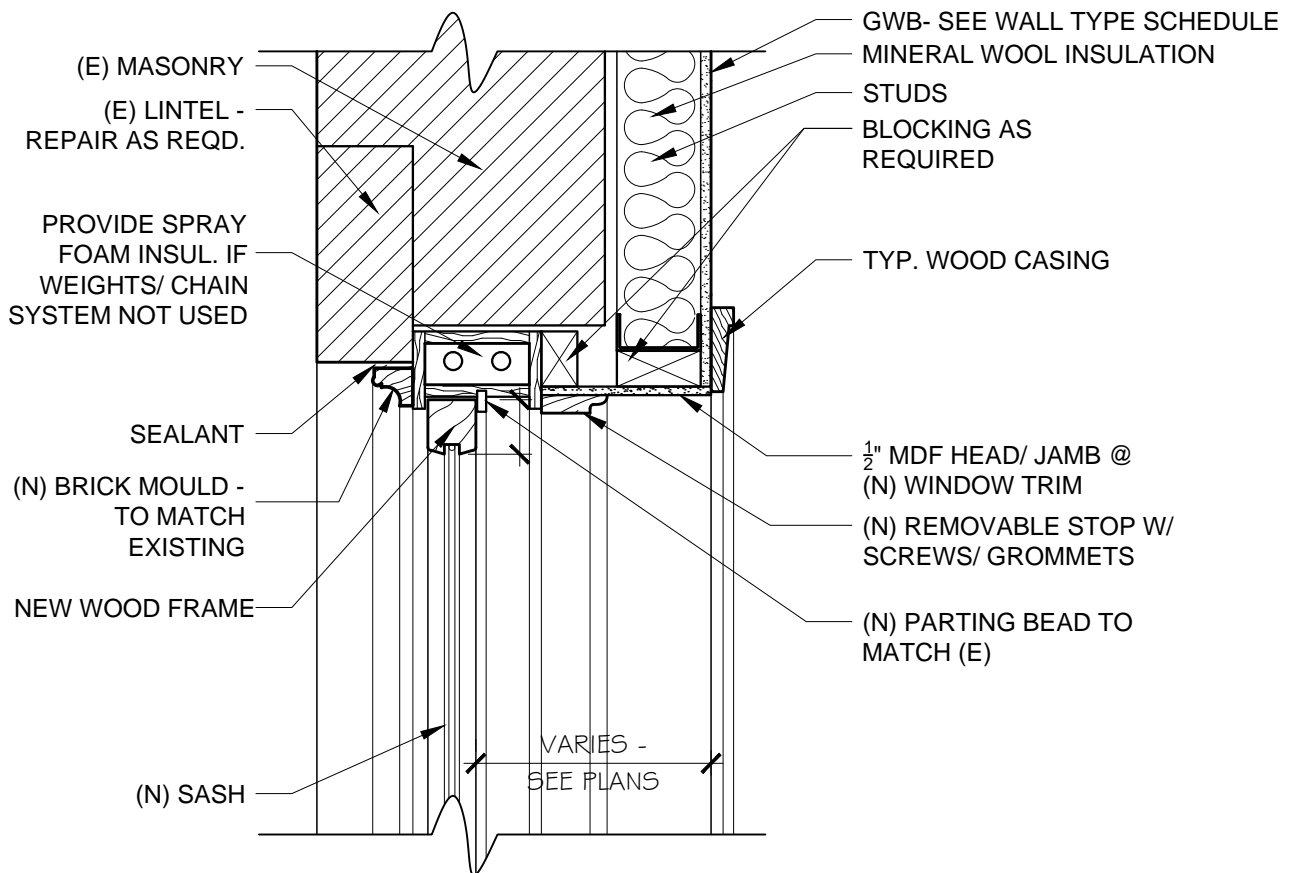
WOOD / GLASS DOOR @ PROPOSED
HEAD HOUSE ELEVATION & SECTION

4

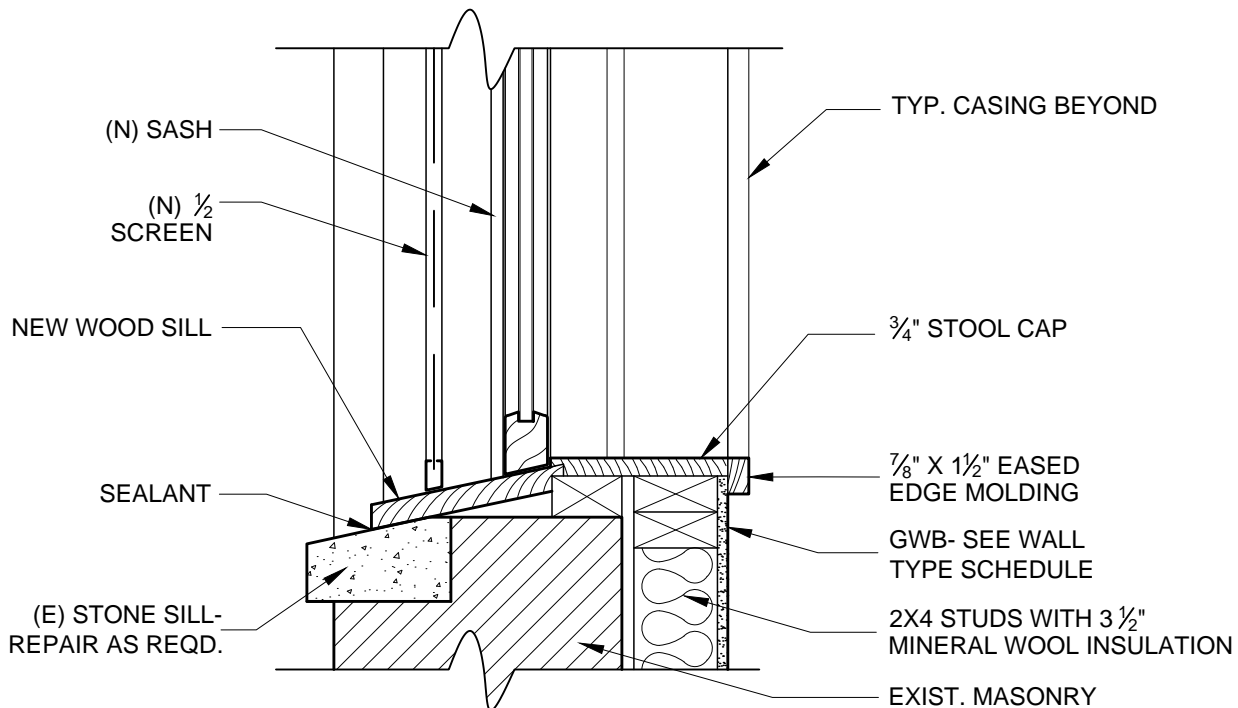
GD GRASSI DESIGN GROUP
46 Waltham Street, Suite 3A
Boston, MA 02118
Phone 617-956-9992
Fax 917-956-9993

BG BEAUCHEMIN GRASSI INTERIORS

11 ISABELLA STREET
BOSTON, MA



TYP. WINDOW HEAD DETAIL IN MASONRY OPENING 1 1/2" = 1'-0"



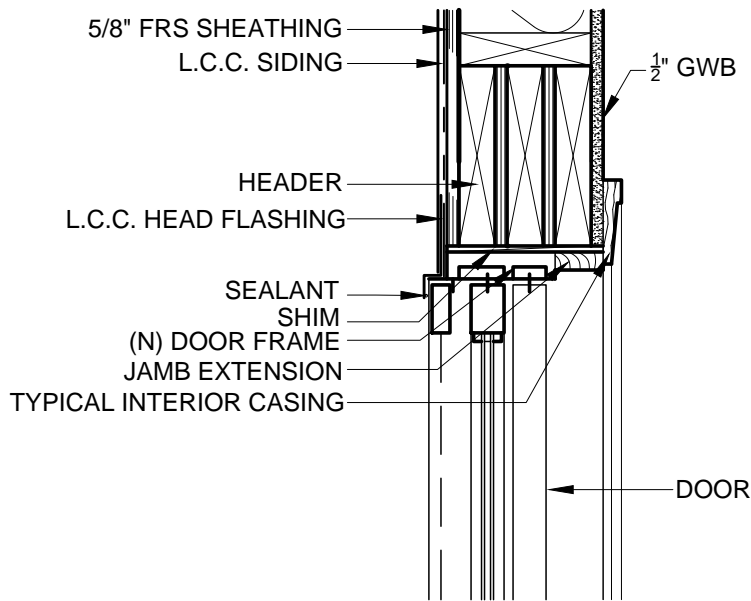
TYP. WINDOW SILL DETAIL IN MASONRY OPENING 1 1/2" = 1'-0"

JOB NO:1721	SCALE: 1 1/2" = 1'-0"	DATE: 11.19.18	WINDOW HEAD & SILL DETAILS
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GD GRASSI DESIGN GROUP
 46 Waltham Street, Suite 3A
 Boston, MA 02118
 Phone 617-956-9992
 Fax 917-956-9993

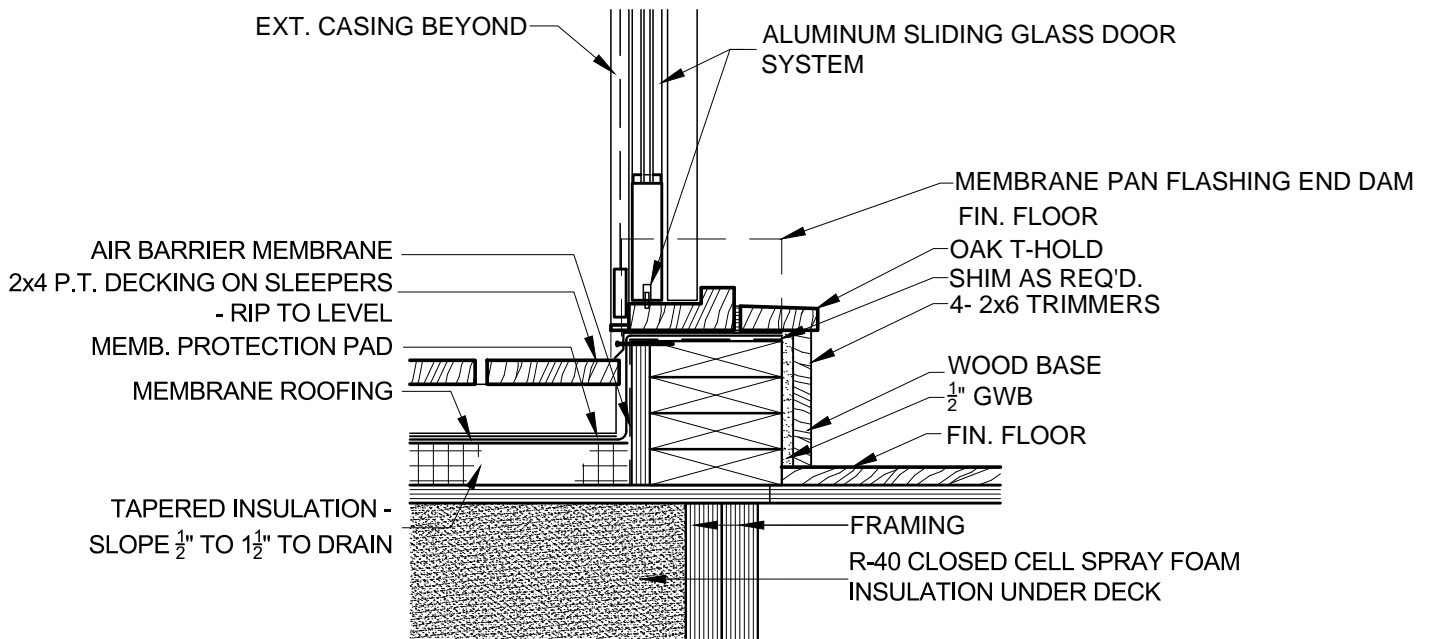
BG BEAUCHEMIN GRASSI INTERIORS

11 ISABELLA STREET
 BOSTON, MA





TYP. SLIDING DOOR HEAD DETAIL @ PENTHOUSE

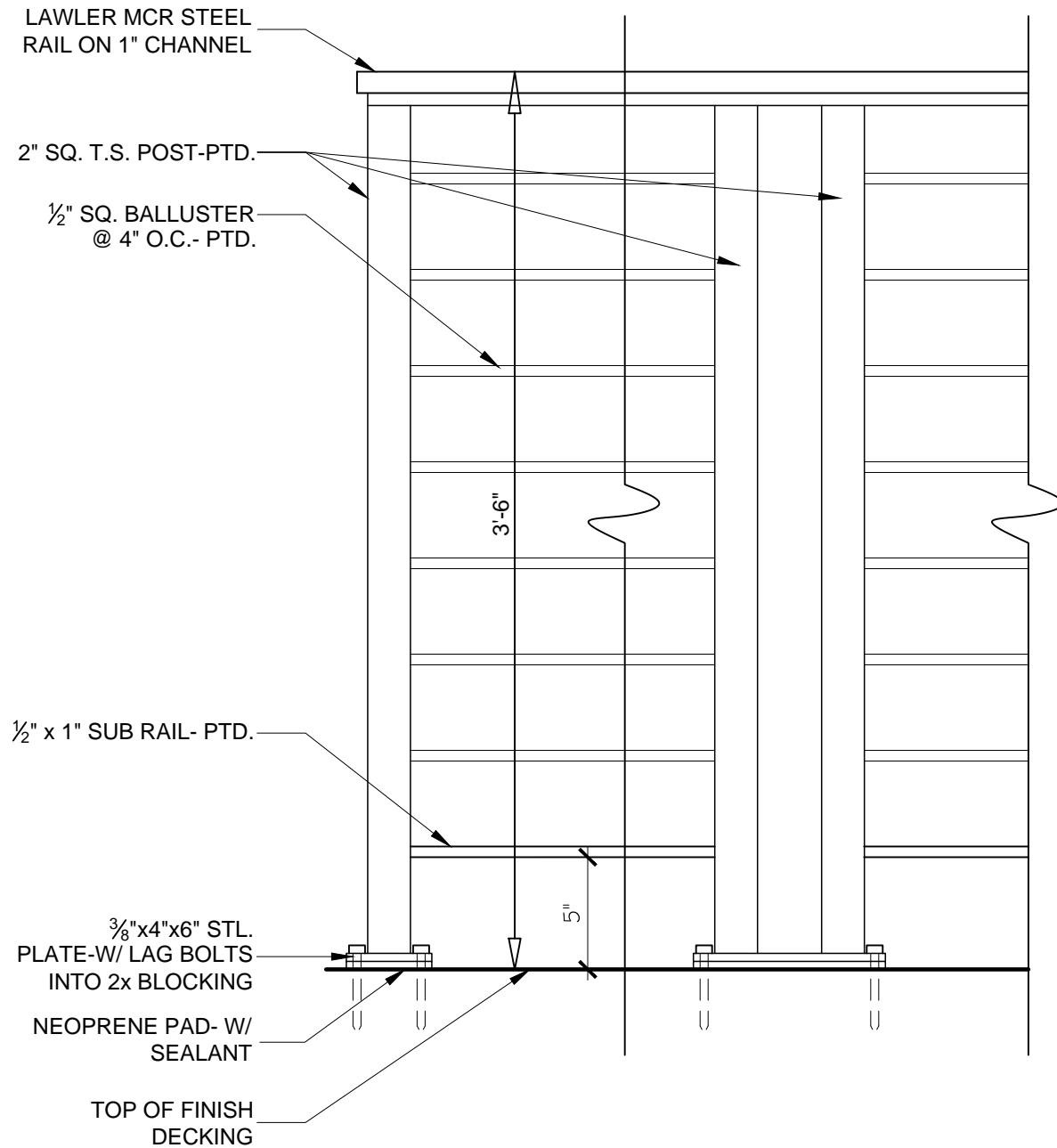
1-1/2" = 1'-0"



TYP. SLIDING DOOR SILL DETAIL @ PENTHOUSE

1-1/2" = 1'-0"

JOB NO:1721	SCALE: 1 1/2" = 1'- 0"	DATE: 11.19.18	TYP. SLIDING DOOR HEAD & SILL DETAILS	<h1>6</h1>
	GRASSI DESIGN GROUP 46 Waltham Street, Suite 3A Boston, MA 02118		<h2>11 ISABELLA STREET</h2>	
	BEAUCHEMIN GRASSI INTERIORS Phone 617-956-9992 Fax 917-956-9993			



PENTHOUSE RAILING @ FRONT ELEVATION

1-1/2" = 1'-0"

JOB NO:1721	SCALE: 1 1/2" = 1'- 0"	DATE: 11.19.18
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PROPOSED EXTERIOR RAILING SYSTEM ELEVATION

GD GRASSI DESIGN GROUP
 46 Waltham Street, Suite 3A
 Boston, MA 02118
 Phone 617-956-9992
 Fax 917-956-9993

BG BEAUCHEMIN GRASSI INTERIORS

11 ISABELLA STREET
 BOSTON, MA



V1996 Kickplates

V-PAC

8" x 34", Brass

Stock # N244-079

Finish:



Selected: Brass

Size:

6" x 30"

8" x 34"

*Not all sizes are available in all finishes.

+ ADD TO PROJECT LIST

WHERE TO BUY »

Product Overview

- Plate is easy to install
- Plastic cover protects finish during installation
- Includes fasteners
- Aluminum material
- Anodized surface for extra durability



Home Designs

A variety of knobs, pulls, cabinet catches and hinges designed to add the final detail to any kitchen or bathroom.

Package Specifications

V-PAC	
Stock #	N244-079
Catalog #	V1996
Material	Aluminum
UPC	038613244078
Quantity Per Package	1
Quantity Per Box	2 PK

Documents



Technical Drawing



IMAGE Line Art

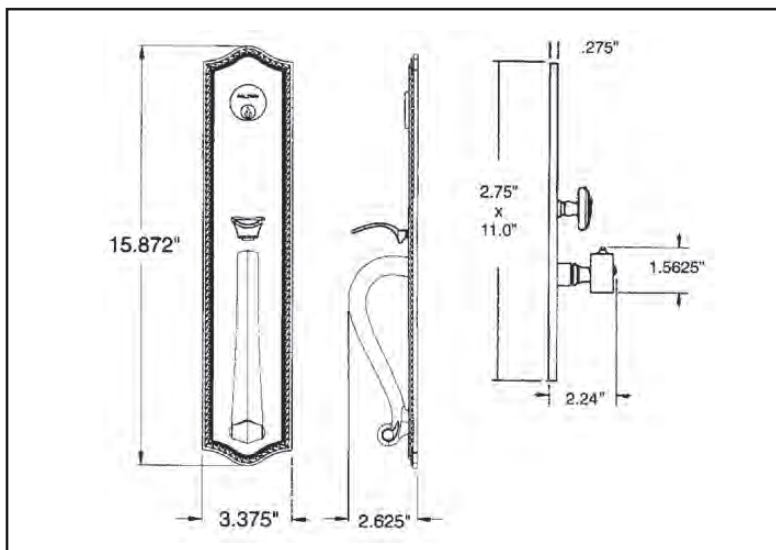
Related Products

MAINS ENTRY DOOR KICK PLATE

BALDWIN®

6963 - BRISTOL ESTATE HANDLESET

SPECIFICATIONS

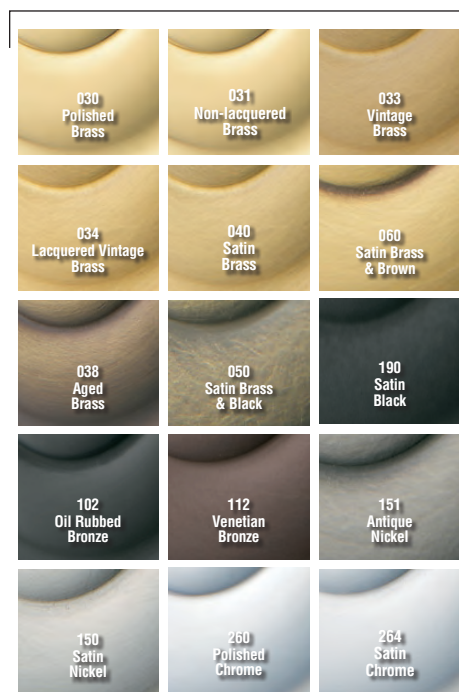


- > Accessibility Code (ADA) A117.1 for all levers.
- > Certified by Underwriters Laboratories (UL) for use on fire doors up to three-hour rating
- > U L10C / UBC 7-2 (1997) Positive Pressure Rated, UL10B Pressure Rated
- > Material: Solid Forged Brass

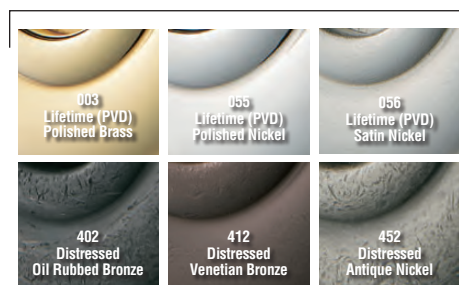
SHOWN WITH LEVER 5104



TIER 1 FINISHES



TIER 2 FINISHES



AX-DV, AX-DVF Video Door Stations for AX Series



DESCRIPTION:

The AX-DV is a surface mount color video door station for the AX Series. The AX-DVF is a flush mount color video door station. Both units wire directly to the AX Central Exchange Unit using CAT-5e wire with an RJ45 jack for connection.

The AX-DV has an aluminum die cast cover. The AX-DVF has a stainless steel faceplate. Both units include a camera, microphone, speaker, and call button. Tamper resistant screws are provided for mounting.

When the call button on the door station is pushed, the master station(s) ring and the video monitor comes on with the image from the door station's camera. The master station user then pushes the "TALK" button to initiate communication. The person at the door station speaks hands-free.

The AX door stations can be located up to 980' from the AX CEU and wired with CAT-5e cable. Additional equipment is available to interface with third party hardware for transmission over fiber optic cable or an IP network.

FEATURES:

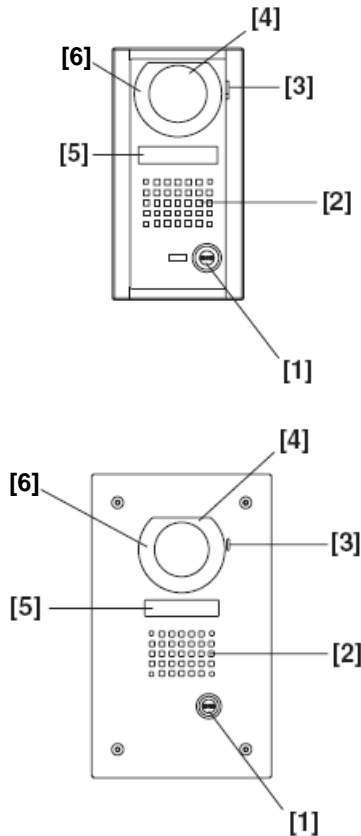
- Color video camera with audio intercom
- 2-way hands-free voice communication with AX master station
- Call button to initiate call to master(s)
- White LED illuminator for low light conditions
- RJ45 jack for easy CAT-5e connection
- Surface (AX-DV) or flush mount (AX-DVF) styles available
- 980' wiring distance from CEU on CAT-5e cable

Covered with a Brass finish housing box

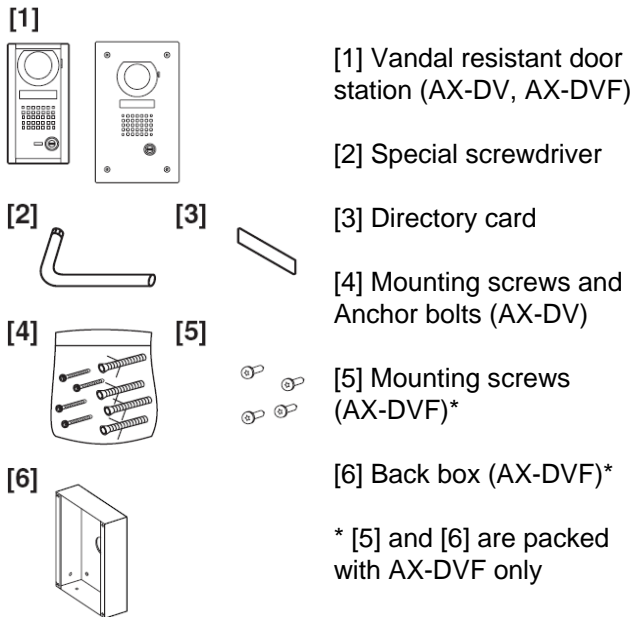
AX-DV, AX-DVF

Video Door Stations for AX Series

FEATURE CALL-OUTS:



PACKAGE CONTENTS:



FEATURE CALL-OUT DEFINITIONS:

- [1] Call Button
- [2] Speaker
- [3] Microphone
- [4] Camera
- [5] Directory Card
- [6] White LED illuminators

SPECIFICATIONS:

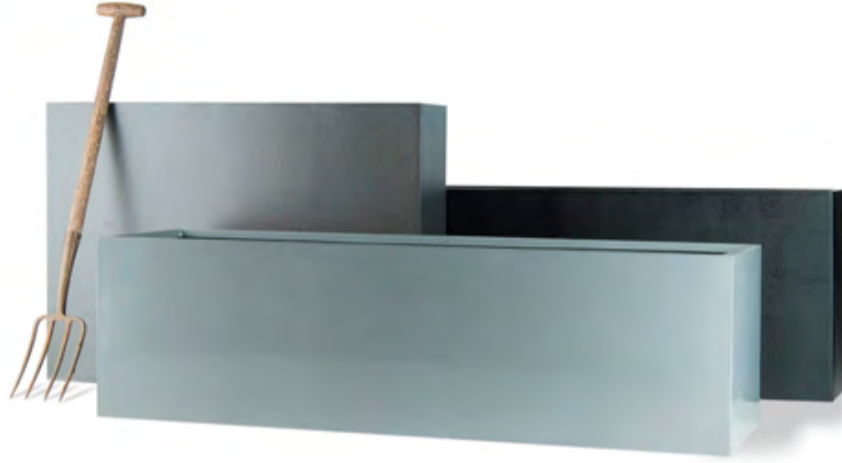
Power Source:	24V DC Supplied from CEU
Wiring connection:	RJ45 jack (CAT-5e)
Communication:	Hands-free communication (auto-voice actuated or PTT) controlled by master station
Camera:	¼" color CCD camera
Pixels:	250,000 Pixels
Minimum illumination:	5 Lux
Operating temp:	14 – 140° F (-10 ~ 60° C)
Mounting:	
AX-DV	Surface wall mount
AX-DVF	Flush mount (with provided box)
Housing:	
AX-DV	Front Panel: Aluminum die cast Main Unit: Resins
AX-DVF	Front Panel: Stainless steel Main Unit: Resins Back box: Steel plate
Color:	
AX-DV	Solid silver (metallic gray)
AX-DVF	Stainless steel, brush-finished
Dimensions:	
	AX-DV: 7-11/16" x 3-15/16" x 1" (195x100x25 mm)
(HxWxD)	AX-DVF: 9-11/16" x 5-¾" x 1-7/8" (246x146x45 mm)
Weight:	
(approx.)	AX-DV: 0.88 lbs (400g) AX-DVF: 1.45lbs (660g)

Paint Colors

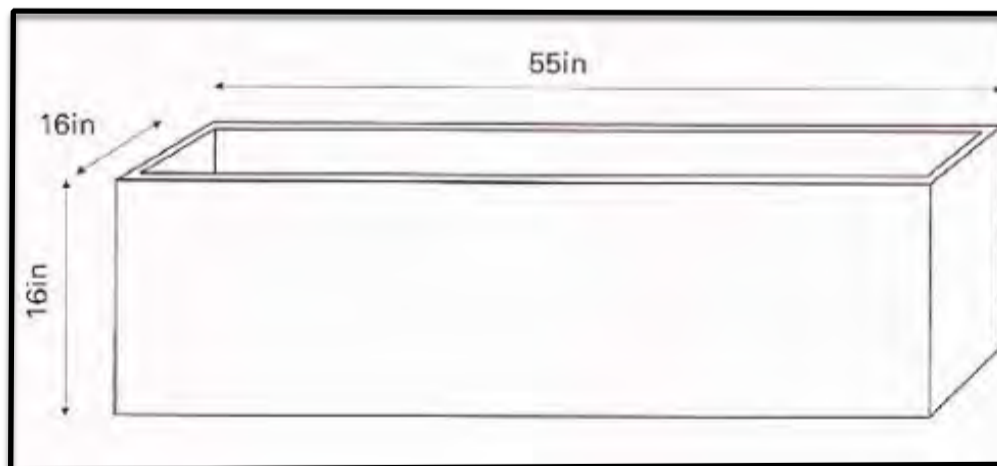
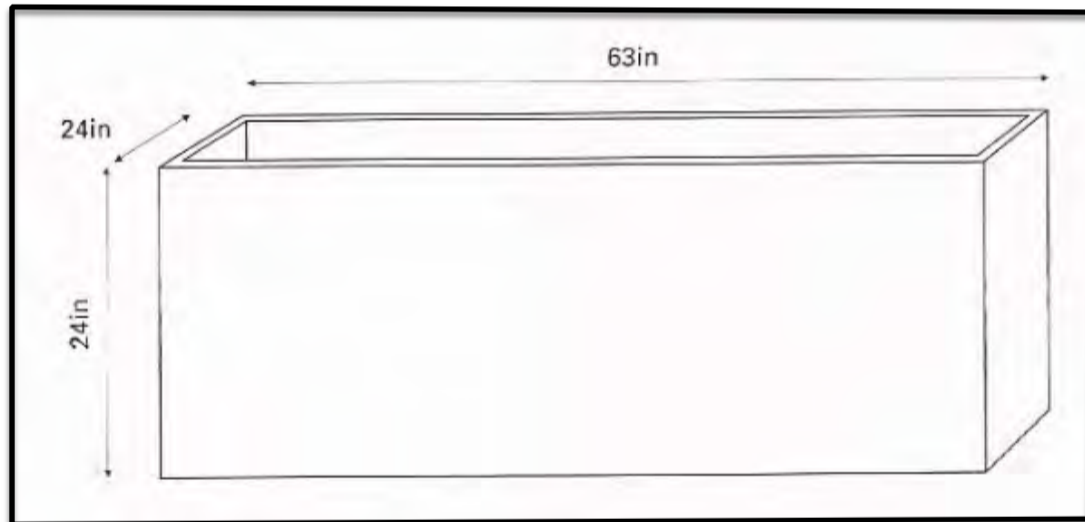


Benjamin Moore Black 2132-10:
For windows, door trim and railing systems at 11 Isabella St.

11 Isabella Street Roof Deck Planters



Lightweight, fiberglass planters with drainage
(4) 63"L x 24"D x 24"H 44.1 lbs ea
(2) 55"L x 16"W x 16"H 22 lbs ea



24ANB1
Infinity® 21 2-Stage Air Conditioner
with Puron® Refrigerant
2 to 5 Nominal Tons



Product Data



INFINITY SERIES

Carrier's Air Conditioners with Puron® refrigerant provide a collection of features unmatched by any other family of equipment. The 24ANB1 has been designed utilizing Carrier's Puron refrigerant. The environmentally sound refrigerant allows you to make a responsible decision in the protection of the earth's ozone layer.

This product has been designed and manufactured to meet Energy Star® criteria for energy efficiency when matched with appropriate coil components. Refer to the combination ratings in the Product Data for system combinations that meet Energy Star® guidelines.

NOTE: Ratings contained in this document are subject to change at any time. Always refer to the AHRI directory (www.ahridirectory.org) for the most up-to-date ratings information.

INDUSTRY LEADING FEATURES / BENEFITS

Efficiency

- 14.5 - 21 SEER / 11.7 - 15 EER
- Microtube Technology™ refrigeration system
- Indoor air quality accessories available

Sound

- Sound level as low as 65 dBA
- Quiet mount split post compressor grommets
- Electronic ECM ball bearing outdoor condenser fan motor
- Forward-swept condenser fan blade
- Compressor sound hood
- Laminated steel compressor mounting plate

Comfort

- System supports Infinity™ Control or standard 2-stage thermostat controls

Reliability

- Puron® refrigerant - environmentally sound, won't deplete the ozone layer and low lifetime service cost
- Front-seating service valves
- 2-stage scroll compressor
- Internal pressure relief valve
- Internal thermal overload
- Low pressure switch
- High pressure switch
- Filter drier
- Crankcase heater standard
- Balanced refrigeration system for maximum reliability

Controls and Diagnostics

- Infinity™ control or 2-stage thermostat
- Two control wires to outdoor unit with Infinity Control (serial numbers 1213E and newer)
- Utility Interface Connection
- Enhanced diagnostics capability with Infinity Control

Durability

WeatherArmor Ultra™ protection package:

- Solid, Durable sheet metal construction
- Steel louver coil guard
- Baked-on, complete outer coverage, powder paint

Applications

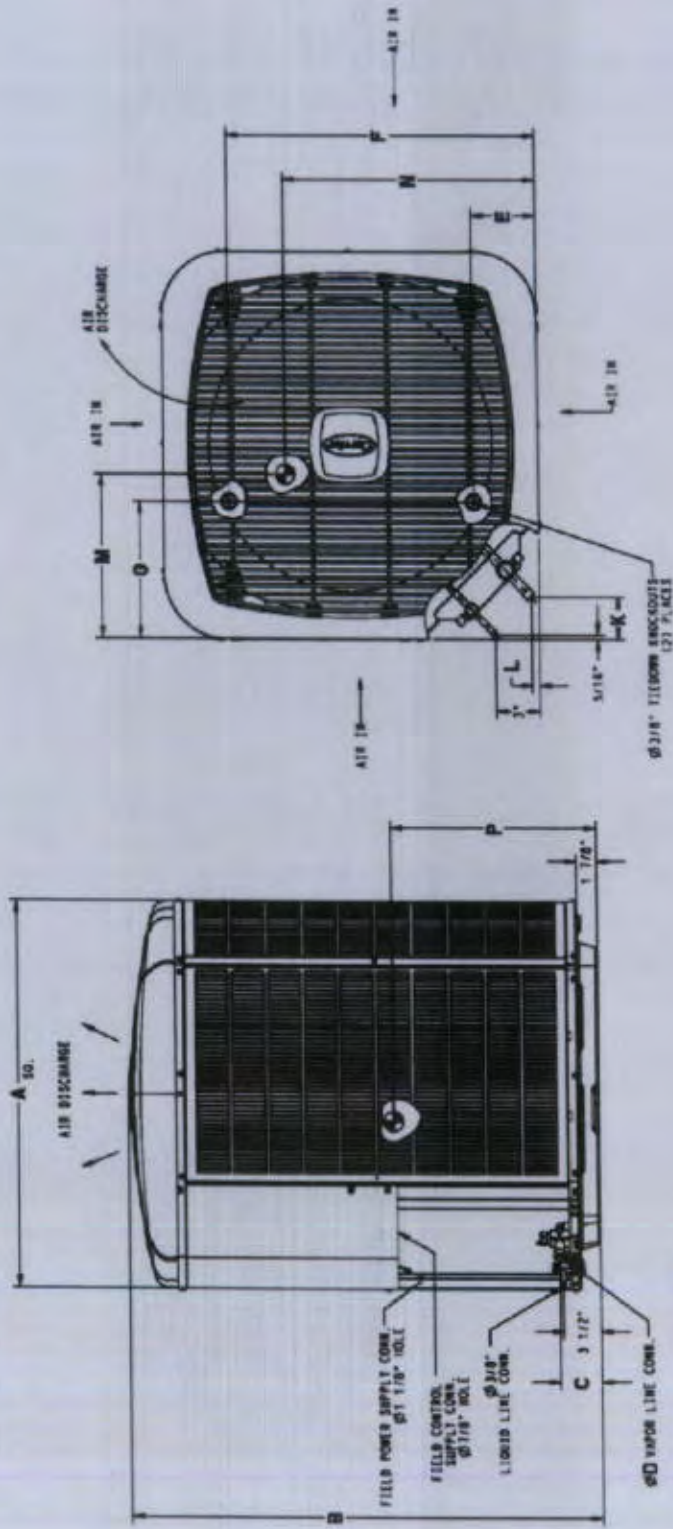
- Long-line - up to 250 feet (76.2 m) total equivalent length, up to 200 feet (60.96 m) condenser above evaporator, or up to 80 ft. (24.38 m) evaporator above condenser (See Longline Guide for more information.)
- Low ambient (down to 0°F) with complete Infinity system.

DIMENSIONS - ENGLISH

UNIT	SERIES	ELECTRICAL CHARACTERISTICS	A	B	C	D	E	F	G	K	L	M	N	P	OPERATING WEIGHT (lbs)	SHIPPING WEIGHT (lbs)	SHIPPING DIMENSIONS L x W x H
24ANB1	1	1	35"	46 5/8"	3 7/8"	7/8"	6 9/16"	26 7/16"	5 1/8"	2 15/16"	5/8"	18"	18 1/2"	18 1/2"	282	324	37 1/8" x 37 1/8" x 48 1/8"
24ANB1	1	1	35"	47 7/16"	3 7/8"	7/8"	6 9/16"	26 7/16"	5 1/8"	2 15/16"	5/8"	17"	18 1/2"	22"	312	353	37 1/8" x 37 1/8" x 51 13/16"
24ANB1	1	1	35"	47 7/16"	3 7/8"	7/8"	6 9/16"	26 7/16"	5 1/8"	2 15/16"	5/8"	18"	18 3/4"	18 3/4"	335	381	37 1/8" x 37 1/8" x 51 13/16"
24ANB1	1	1	35"	47 7/16"	3 7/8"	7/8"	6 9/16"	26 7/16"	5 1/8"	2 15/16"	5/8"	18 3/4"	17"	18 1/2"	336	381	37 1/8" x 37 1/8" x 51 13/16"

A : 1/16"
 Ø : .001

400-3-60	208/230-3-60	230-1-60	208-230-1-60
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UNIT SIZE	MINIMUM MOUNTING PAD DIMENSIONS
24, 30, 40, 60	31 1/2" x 31 1/2"
	35" x 35"

24ANB1

SECTION 04500

MASONRY RESTORATION AND CLEANING

PART 1 GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of contract, including general and supplementary conditions and Division-1 specifications sections, apply to work of this section.

1.02 DESCRIPTION OF WORK

- A. Extent of masonry restoration work is indicated on drawings and in schedules.
- B. Masonry Restoration Work Includes the Following:
 - 1. Chemical cleaning of exposed exterior masonry surfaces.
 - 2. Repairing and rebuilding damaged stonework.
 - 3. Stonework restoration.
 - 4. Re-pointing of masonry joints as required.

NOTE: The chemical cleaning of exterior surfaces should be accomplished before new windows are installed.

- C. Masonry construction is specified in other Division 4 sections.
- D. Joint sealers are specified in a Division 7 section.

1.03 QUALITY ASSURANCE

A. Restoration Specialist: Work must be performed by a firm with not less than 5 years successful experience in masonry restoration projects employing skilled personnel for execution of the work.

- B. Job Mock-Ups: Prior to start of general masonry restoration, conduct the following procedures. Obtain Architect's acceptance of visual qualities before proceeding with the work.
 - 1. Cleaning: Prepare a 4 ft. by 6 ft. sample area on the building where directed by architect, showing materials and methods to be used for cleaning exterior masonry surfaces.

2. Re-pointing: Prepare a 4 ft. by 6 ft. sample area on the building where directed by architect, showing routing and repointing including mortar, type of joint, and workmanship for masonry in project.
3. Stonework Restoration: Prepare a 2' x 2' sample area on the building, where directed by Architect for stonework restoration. Use anchorage, bonding, mortar and workmanship expected in completed work. The restoration patching mix shall match the existing brownstone in texture and color. Acceptable panel shall be used as a standard for judging completed work.

C. Source of Materials: Obtain materials for masonry restoration from a single source for each type material required (face brick, cement, sand, etc.) to ensure match quality, color, pattern, and texture.

1.04 SUBMITTALS:

- A. Product Data: Submit manufacturer's specifications and other data for each manufactured product, including certification that each product complies with specified requirements. Include instructions for handling, storage, installation and protection of each product.
- B. Samples: Sample areas shall be used to exhibit the cleaning performance of the restoration cleaner on brick work. Test areas shall be selected by Architect and shall be approximately 20 sq. ft. Multiple tests of varying concentrations shall determine composition of cleaning solution required. Provide written certification by manufacturer that restoration cleaner is compatible with brownstone.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Protect masonry materials during storage and construction from wetting by rain, snow or ground water, and from staining or intermixture with earth or other types of materials.
- B. Protect grout and mortar materials from deterioration by moisture and temperature. Store in a dry location or in waterproof containers tightly closed and away from open flames. Protect liquid components from freezing. Comply with manufacturer's recommendations for minimum and maximum temperature requirements for storage.

1.06 JOB CONDITIONS

- A. Materials Protection: Do not use metal reinforcing or ties having loose rust or other coatings, including ice, which will reduce or destroy bond.
- B. Protection of Work: During restoration cover wall with heavy waterproof sheeting at end of each day's work, if precipitation is expected.

- C. Staining: Prevent grout or mortar from staining face of masonry to be left exposed. Remove immediately grout or mortar in contact with masonry.
- D. Protect sills, ledges and projections from droppings of mortar.
- E. Cold Weather Protection:
 - 1. Remove ice or snow formed on masonry bed by carefully applying heat until top surface is dry to the touch.
 - 2. Remove masonry determined to be frozen or damaged by freezing conditions.
- F. Perform the following construction procedures while the work is in progress:
 - 1. When air temperature is from 40 deg. F (4 C) to 32 Deg. F (0 C), heat sand or mixing water to produce mortar temperatures between 40 deg. F (4 C) and 120 deg. F (49 C).
 - 2. When air temperature is below freezing, do not undertake tuckpointing or stone restoration.
- G. Perform the following protections for completed masonry and masonry not being worked on:
 - 1. Protect masonry from rain or snow for at least 24 hours by covering with water-resistive membrane.

PART 2 PRODUCTS

2.01 BRICK:

- A. Rebuild and/or repair existing masonry to be exposed, using bricks salvaged from selective demolition or new bricks to match existing.

2.02 MORTAR MATERIALS

- A. Mortar for Face Brick and Accessories: Provide mortar for face brick and accessories to match original mortar in texture, color, strength, and hardness (density and porosity).
 - 1. Determining existing mortar mix constituents and ratios by analysis. Review laboratory evaluations with Architect before proceeding with the work.
 - 2. Match color of existing mortar by use of aggregates matching original aggregate color where possible. Use inorganic coloring pigments if satisfactory color match cannot be attained with natural materials.
 - 3. Mortar mix to be in accordance with New York City Landmarks Preservation Commission Row House Manual – page 44 – 1 part Portland cement, 2 parts lime, 8 parts sand – mix, then add pigments and water- (Type O).

2.03 MASONRY CLEANING (BRICKWORK)

- A. A sample patch of cleaning must be reviewed and approved by architect before work is begun.
- B. Cleaning Agent: Blended organic and inorganic acids combined with special wetting systems and inhibitors; as manufactured by ProSoCo, Inc., Type 1 Restoration cleaner – or approved equal for the removal of atmospheric carbon and dirt, paint oxidation, and embedded clay and mud stains from brick and other masonry surfaces.

2.04 RESTORATION MATERIALS

- A. Epoxy Mortar: Conproco “mimic” trowel applied color matched, or approved equal.
- B. Primer: Conproco “mimic” bonding agent or approved equal.
- C. Stone Restoration Mix: Mix as per mortar manufacture’s recommendations.

PART 3 EXECUTION

3.01 CLEANING EXISTING MASONRY:

A. Preparation of Surfaces: Cleaners specified herein are highly concentrated products, and to the extent established by job site tests, shall be diluted with clean water before application.

1. Cleaners specified herein are harmful to glass, aluminum, painted, surfaces, foliage, and human skin and eyes.
2. Protect all surrounding areas as recommended by the literature of the manufacturer and as requested by the architect.
3. Windows shall be protected from contact with materials by masking with polyethylene, or by using Sure Klean Acid Stop, as manufactured by ProSoCo, Inc. South Plainfield, NJ or approved equal.
4. All polished stone, metal or non-masonry surfaces shall be protected from contact with the material by masking with polyethylene or approved protective material.
5. Adjacent shrubs, lawn, plants and sidewalks should be covered with polyethylene and protected from direct contact with the material.
6. Necessary routing of joints and replacement of damaged masonry units shall have been completed, with exception of final pointing, prior to beginning cleaning operation.
7. Adequate water supply shall be made available to assure thorough pre-soaking and thorough rinsing of the wall before undertaking general cleaning. All surfaces shall be thoroughly pre-soaked with clean water to prevent the absorption of the cleaning solution within the pores of the masonry.

- B. Cleaning Process: Brick, unpolished granite, sandstone, terra cotta and/or exposed aggregate shall be spray or brush coated with Type I restoration cleaner, and left on the surface two or three minutes. A second application shall follow if deemed necessary by preliminary tests. Coated area shall then be rinsed from bottom up with clear water using high pressure rinsing equipment. Equipment shall be adjusted so that rinse water, either warm or cold, is applied at a pressure not to exceed 500 P.S.I. Attempts shall be made during the testing stage to determine if effective cleaning can be achieved with rinse water applied at pressures not to exceed 500 P.S.I. Flow of water shall be 10 gallons per minute. Gun used to apply water shall be equipped with not less than a 15" spray tip. All tips shall be fan type.

3.02 REPAIRING EXISTING MASONRY

- A. Routing of Joints: Remove defective mortar joints to solid material or a depth of 1.0" whichever is greater, using hand tools. Take care to avoid damaging existing masonry or enlarging width of joints.
1. A sample of pointing must be reviewed and approved by architect before work is begun.
 2. Mechanical tools will be permitted only on specific written approval of architect and demonstrated ability by operators to use without damage to masonry.
 3. Remove and repair damage to existing masonry by cutting, spalling and chipping as caused by routing operations.
 4. Thoroughly remove loose material from joints using a hose stream under normal pressure or by low pressure compressed air.
- B. Mortar Mixing: Add only enough water to dry mix ingredients to produce a damp, workable mix. Keep mortar in dampened condition for 1 to 2 hours, and then add sufficient to bring it to proper consistency.
- C. Replacing Brick: Lay brick and accessories to match existing bond, unless otherwise indicated.
1. Match existing course height (one brick and one joint) for both face brick and back-up brick.
 2. Provide bonding between face brick and back-up brick as indicated.
 3. Provide joints to match existing, unless otherwise indicated. Delay final tooling of joints until mortar is thumb print hard. Take care to not spread mortar over the edges of face brick onto exposed surfaces.
 4. Wet brick before laying. Do not use brick which are saturated with water, or which have been unduly exposed to moisture or rain at site, or which have been in contact with ground.
 5. Lay brick with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not slush head joints. Do not furrow bed joint; strike mortar flat with trowel.

6. Lay up brickwork with full or half brick, as required. Do not fill in concealed work with spalls, small bats, or excess mortar.
7. Lay up brickwork level and plumb, or as otherwise required to match existing.

D. Re-pointing:

1. After careful routing and cleaning joints, wet joints thoroughly and then apply fresh, pre-hydrated mortar. Allow water to soak into joints, but joints should not be visibly wet with standing water during tuckpointing.
2. Fill mortar joints in layers not over 1/4" thick, with each layer applied with pressure as soon as previous layer has partially dried. Do not tool each layer smooth: Leave surface rough to help bond of subsequent layers. Compress the final packing as much as possible to completely fill joint. Compact joints solidly before final tooling.
3. Tool joints to match existing work which has not been repointed, or oldest joints found, unless otherwise indicated. Take care to not spread mortar over edges of brick onto exposed surfaces. Do not featheredge mortar. Cure mortar by maintaining in a damp condition for 5 days.

3.03 FINAL CLEANING

- A. All mortar to fully harden for approximately 30 days after completion of work, then thoroughly clean exposed masonry surfaces of excess mortar and foreign matter using stiff nylon or bristle brushes and clean water under normal pressure.
1. Use of metal scrapers or brushes will not be permitted.
 2. Use of acid or alkali cleaning agents will not be permitted.

3.04 STONE RESTORATION-PATCH METHOD

- A. Carefully remove loose and friable stone, dust, dirt, oil and other contaminants.
- B. Saw cut edges with a diamond blade at a 90 degree angle to eliminate feather edges. Repair zone must be 1/2" deep min.
- C. Saturate surface of stone to be repaired.
- D. Prime the prepared substrate in accordance with manufacturers instructions, while wet.
- E. Mix mortar patch in accordance with mortar manufacturers instructions.
- F. Apply materials in lifts, 1/2" minimum, 2: maximum, forcing materials against edges.
- G. Cross hatch scratch each lift to prepare surface for next lift.
- H. Overbuild 1/4", and shave to final form with trowel edge.
- I. Entire method to be performed in accordance with manufacturers detailed instructions.

- END OF SECTION -