



# NEW FOURTH FLOOR PENTHOUSE

SPRINGER'S JEWELERS BUILDING 580 CONGRESS STREET PORTLAND, MAINE 04101

RELEASED FOR CONSTRUCTION - JUNE 30, 2018

architect: brian e. duffy associates

#### **INDEX OF DRAWINGS**

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#### **ABBREVIATIONS**

CENTERLINE

EQ EQUAL
EXT EXTERIOR
GWB GYPSUM WALLBOARD
HMF HOLLOW METAL FRAME
IBC INTERNATIONAL BUILDING CODE
LVL LAMINATED VENEER LUMBER
MAX MAXIMUM
MDO MEDIUM DENSITY OVERLAY
MIN MINIMUM
NIC NOT IN CONTRACT
PT PRESSURE TREATED
R RISER
RO ROUGH OPENING
ROHH ROUGH OPENING HEAD HEIGHT

SQUARE FEET

VERIFY IN FIELD

UNLESS NOTED OTHERWISE

SIMILAR

### **GENERAL NOTES:**

- 1. DRAWING NOTES: Unless indicated or obvious otherwise, all drawing notes refer to new construction, to be included in contract. Existing construction is to remain unless indicated otherwise.
- 2. LAYOUT DIMENSIONS: Floor plan dimensions are to face of new framing, to finish face of existing construction, to centerlines of structural steel, and to centerlines or rough openings of doors & windows, unless indicated otherwise. Field verify existing dimensions prior to fabrication and/or construction. Hold dimensions not indicated with " +/- ".
- 3. DIMENSIONAL LUMBER SIZES: Dimensions without inch marks are nominal, and dimensions with inch marks (") are actual, as follows:

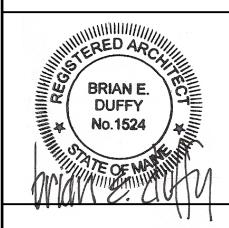
1 x 6 = Nominal Dimensions 3/4" x 5 1/2" = Actual Dimensions

- 4. CODE COMPLIANCE: All work shall conform to the latest editions of all Federal, State, and Local codes and regulations that apply to this project.
- 5. COORDINATION: It is the responsibility of the builder to coordinate all disciplines and trades so that all building systems and components are assembled without conflict
- 6. BUILDING ENVELOPE: Provide complete building envelope assemblies, including at opening & mechanical penetrations, that include properly installed flashing, joint sealants, water-resistive barriers (WRB), air infiltration barriers, attic & roof vents, ventilation baffles, thermal insulation, and vapor retarders as appropriate for each type of assembly.
- 7. BUILDING INSULATION: Provide as indicated, whether or not shown consistently in details or other drawings. For clarity, insulation may not be shown in some cases, even if it is to be provided.
- 8. CENTERING: Center building elements within applicable or between adjacent building elements when conditions or the drawings indicate or imply that such is the intent, unless dimensions show otherwise.
- 9. SYMMETRY: Where conditions or the drawings indicate or imply that symmetry is intended, information provided at one side applies equally to both sides.
- 10. FRAMING: See Structural Drawings for sizing, spacing, fastening & connection details for all framing members, including but not limited to joists, studs, beams and rafters.

  11. DRAWING SCALES: Do not scale from drawings. Build from given dimensions only, as some drawings and/or portions of drawings may not be to scale (regardless of their indicated scale)

# brian e. duffy associates

65 falmouth road falmouth, me. 04105 tel: 207-773-9500



OURTH FLOOR
PENTHOUSE

date:

JUNE 30, 2016 drawn by:

scale:

sheet title:

COVER SHEET

sheet:

188 2019

AS NOTE

#### **ABBREVIATIONS**

CENTERLINE EQ **EQUAL** EXT **EXTERIOR** 

GYPSUM WALLBOARD HOLLOW METAL FRAME

INTERNATIONAL BUILDING CODE LAMINATED VENEER LUMBER

MAX MAXIMUM MEDIUM DENSITY OVERLAY

MINIMUM NOT IN CONTRACT PRESSURE TREATED RISER

ROUGH OPENING ROUGH OPENING HEAD HEIGHT

SQUARE FEET SIMILAR

UNLESS NOTED OTHERWISE

VERIFY IN FIELD

# PROJECT CODE ANALYSIS

#### **PROJECT SYNOPSIS:**

310.1

Conversion of the fourth floor of an existing, historic building with a basement plus four stories from an S-1 Occupancy to a single-dwelling-unit R-3 Occupancy, including a small fifth floor addition generally in the middle of the existing roof's footprint. The building's lower floors are an M Occupancy. The building shares continuous masonry party walls with existing buildings on both sides. Full NFPA 13 sprinkler system entire building.

#### **2009 INTERNATIONAL BUILDING CODE (IBC)**

**DESCRIPTION** SECTION

USE and OCCUPANCY CLASSIFICATION

309.1 Existing Basement, 1st, 2nd and 3rd Floors: Mercantile Group M 311.2 • 4th Floor (previous Classification): Moderate-hazard storage,

Group S-1 4th and 5th Floors (new Classification): Residential Group R-3

CHANGE of OCCUPANCY CLASSIFICATION 3409.1 Provisions of code relating to change of occupancy not mandatory

for Historic Buildings if building official judges that there is no distinct life safety hazard

SEPARATION of OCCUPANCIES

 Armstrong Class A supsended ceiling at floor assembly between M and R-3 occupancies (at floor assembly between 3rd and 4th Table 508.4

Floors) = 1-hour required separation (with sprinkler)

CONSTRUCTION TYPE Table 601 Type III B

BUILDING HEIGHT and AREA

504.2 • Building heights listed below increased (1) story and 20 feet

(sprinkler system increase) • Type III B height: 64' +/- < 75 feet allowed Table 503

• M: 1st, 2nd & 3rd Floors = (3) stories allowed above grade plane

• M: Building area for each of Basement through 3rd Floors = 2,074 SF; 2,074 < 12,500 SF allowed

• R-3: 5th Floor = (5) stories allowed

R-3: Unlimited area allowed

 Per "Bulding Materials and Structures Report 143: Fire Tests of Brick Walls," published by the National Bureau of Standards, United Table 706.4

States Department of Commerce, 12" solid brick party walls meet & exceed 3-hour fire-resistance rating required for fire walls

Table 1004.1.1 OCCUPANT LOAD

• Dwelling unit gross floor area: 1,722 (4th Floor) + 187 (5th Floor) = 1,909 SF; 1,909 ÷ 200 10 occupants

COMMON PATH OF EGRESS TRAVEL

 75 feet maximum (see Plans) 1014.3 **EXIT ACCESS TRAVEL DISTANCE** 

 250 feet maximum with sprinkler system (see Plans) Table 1016.1

EXIT ENCLOSURE

1022.1 • Existing 2-hour Stair Tower = 2-hour requirement for (4) stories

3406.1.2 Existing fire escape allowed as means of egress

#### 2009 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

SECTION **DESCRIPTION** 

CODE APPLICABILITY

101.4.2 IECC not applicable (historic building exemption)

#### **FIRE ALARM SYSTEM**

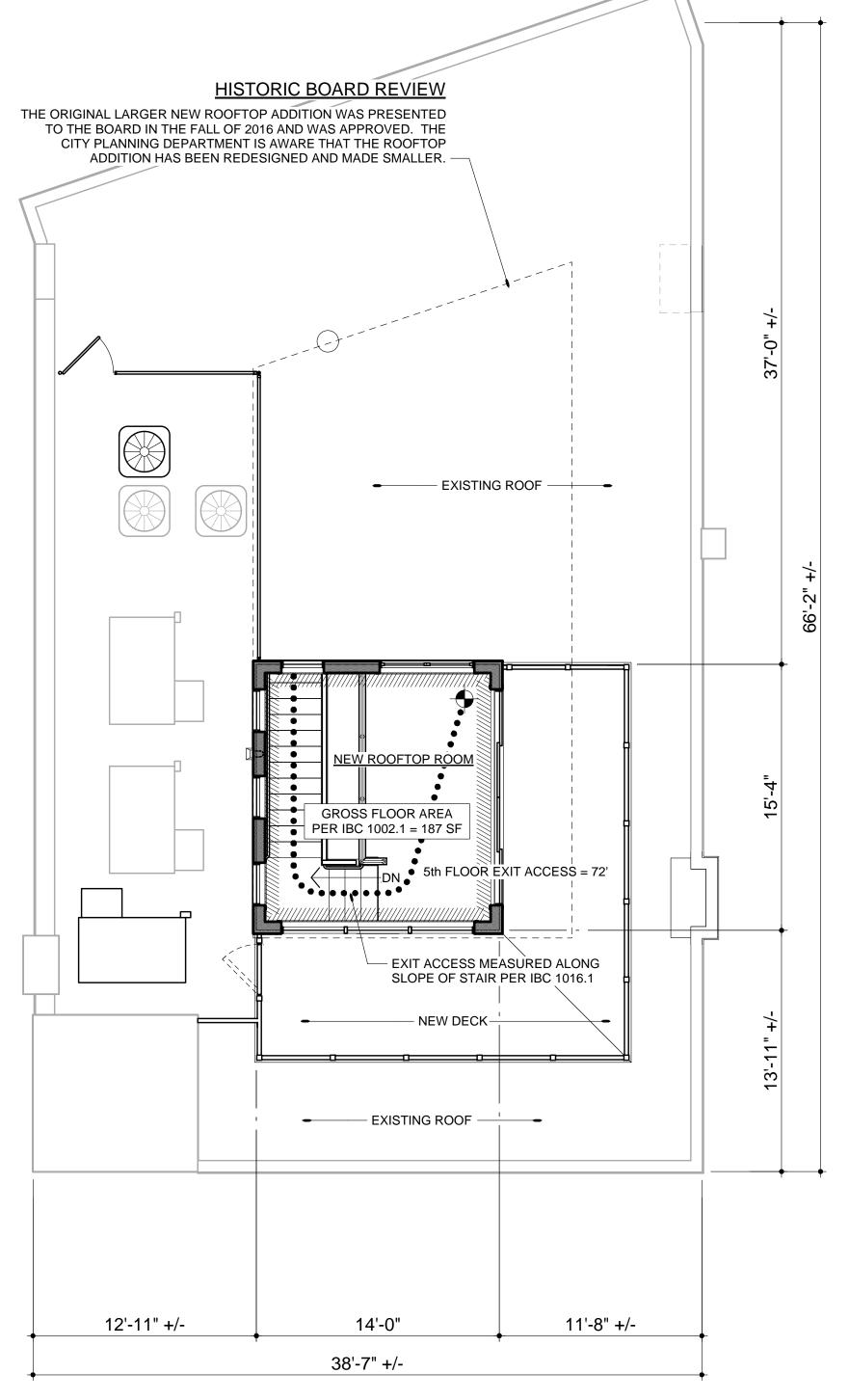
DESIGNED and PERMITTED by: R.B. Allen Company, Inc. 131 Lafayette Road North Hampton, NH 03862

KEY

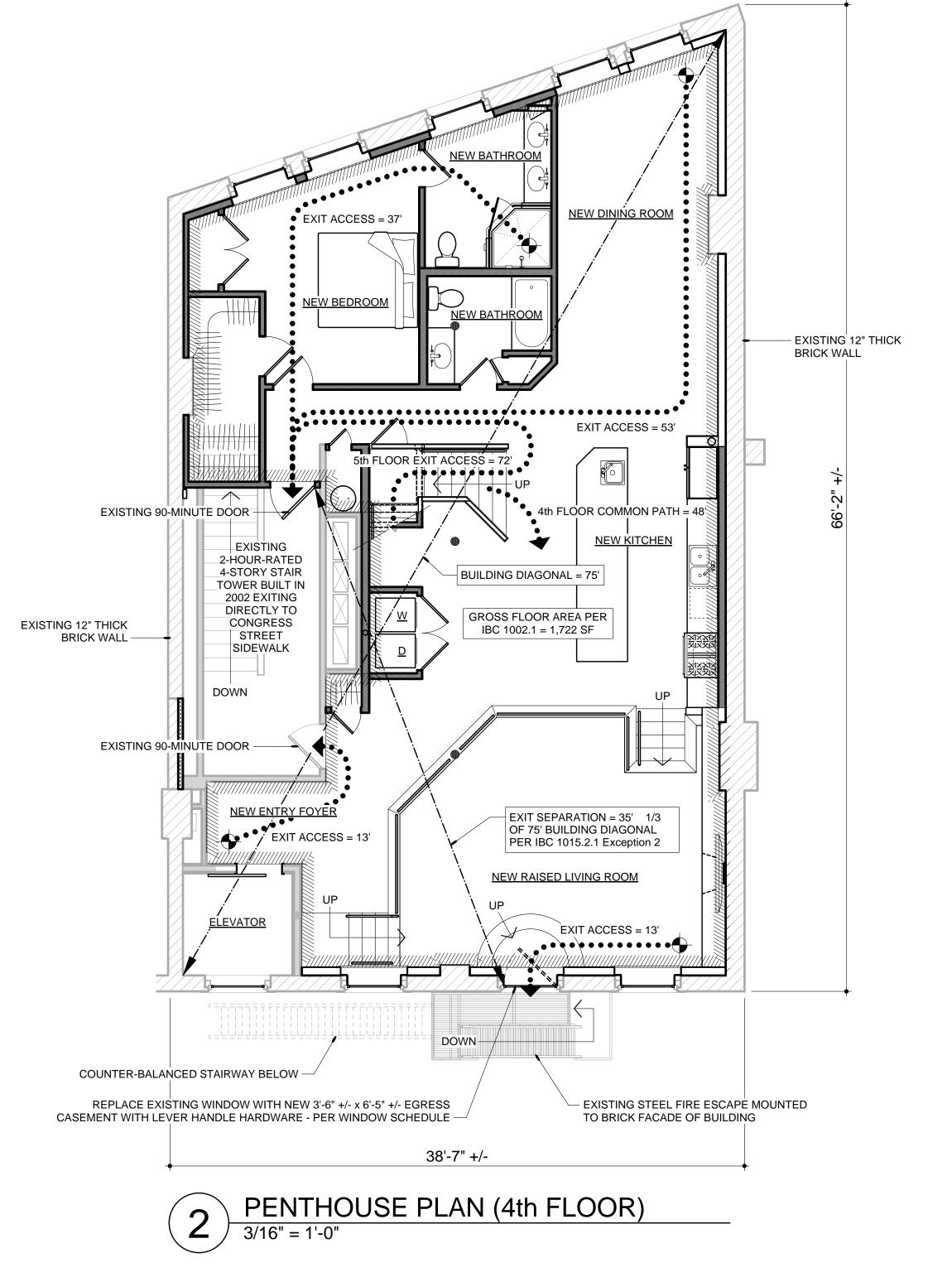
GROSS FLOOR AREA

• • • • • • • • • • • • EXIT ACCESS TRAVEL PATH

EXIT ACCESS = 25' EXIT ACCESS TRAVEL DISTANCE









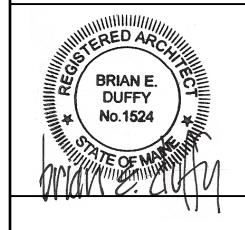
North



**Permitting and Inspections Department** Approved with Conditions

09/12/2018

65 falmouth road falmouth, me. 04105 tel: 207-773-9500



580 CONGRESS ST PORTLAND, MAINE

date:

JUNE 30, 2018 drawn by:

scale:

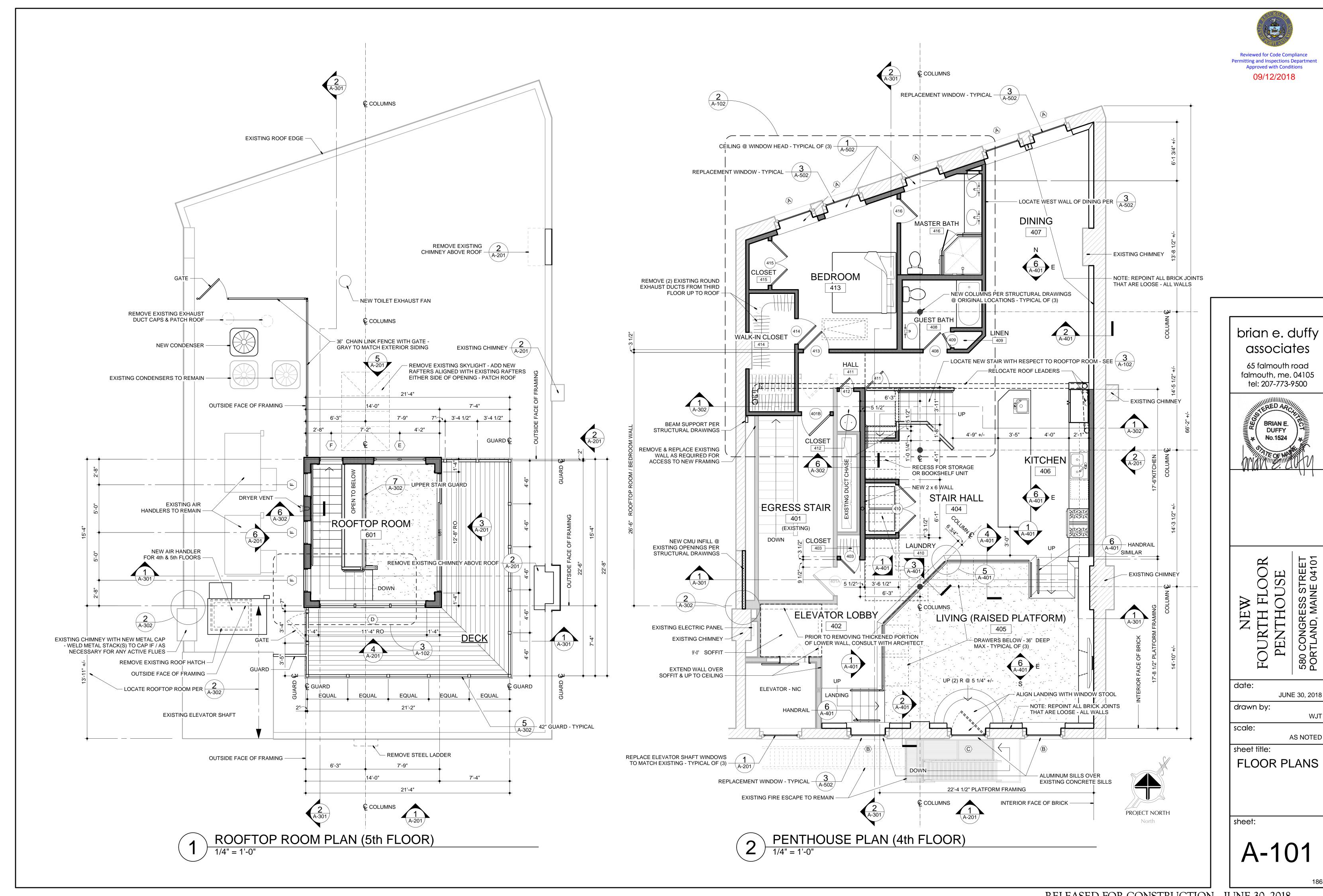
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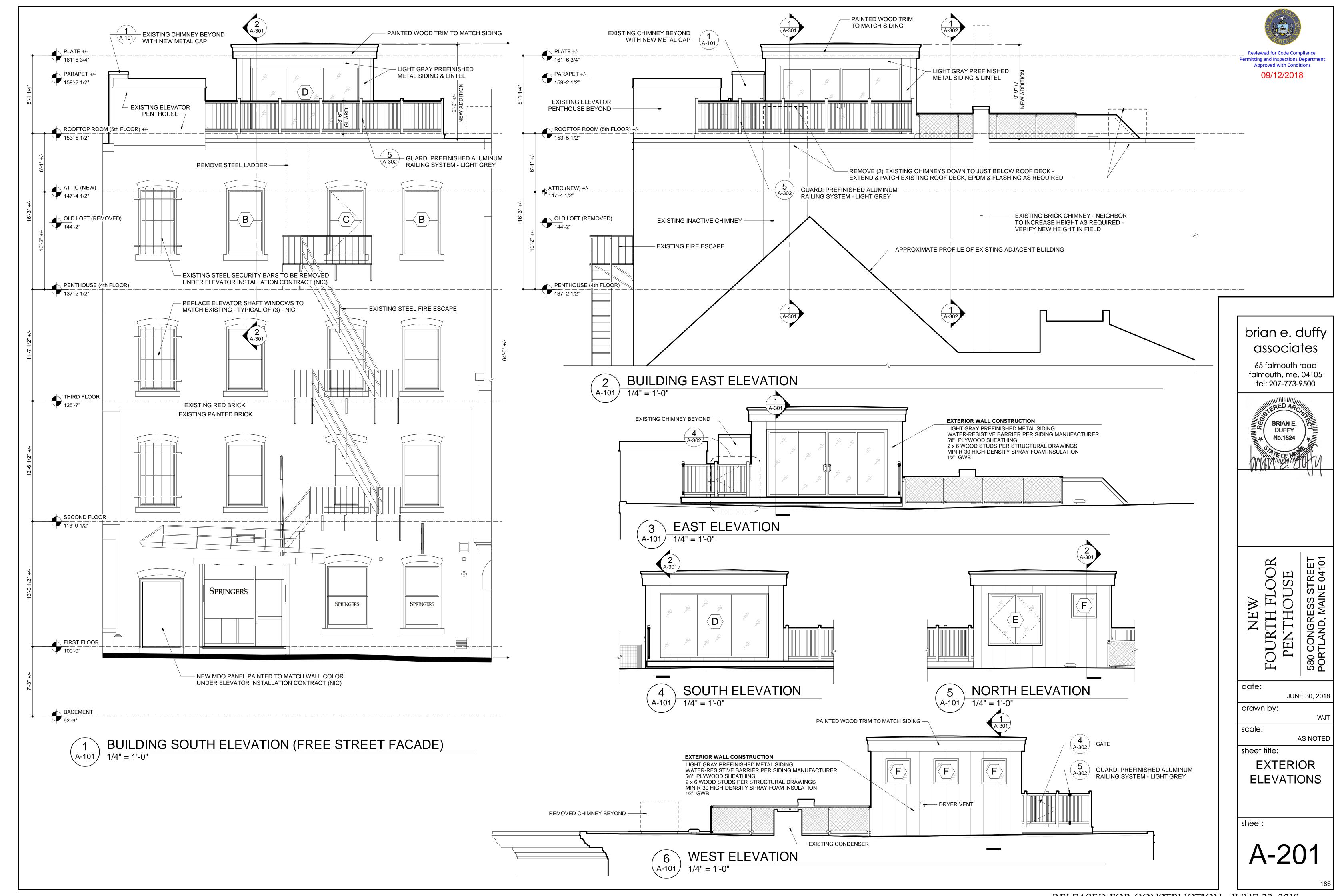
LIFE SAFETY BUILDING CODE

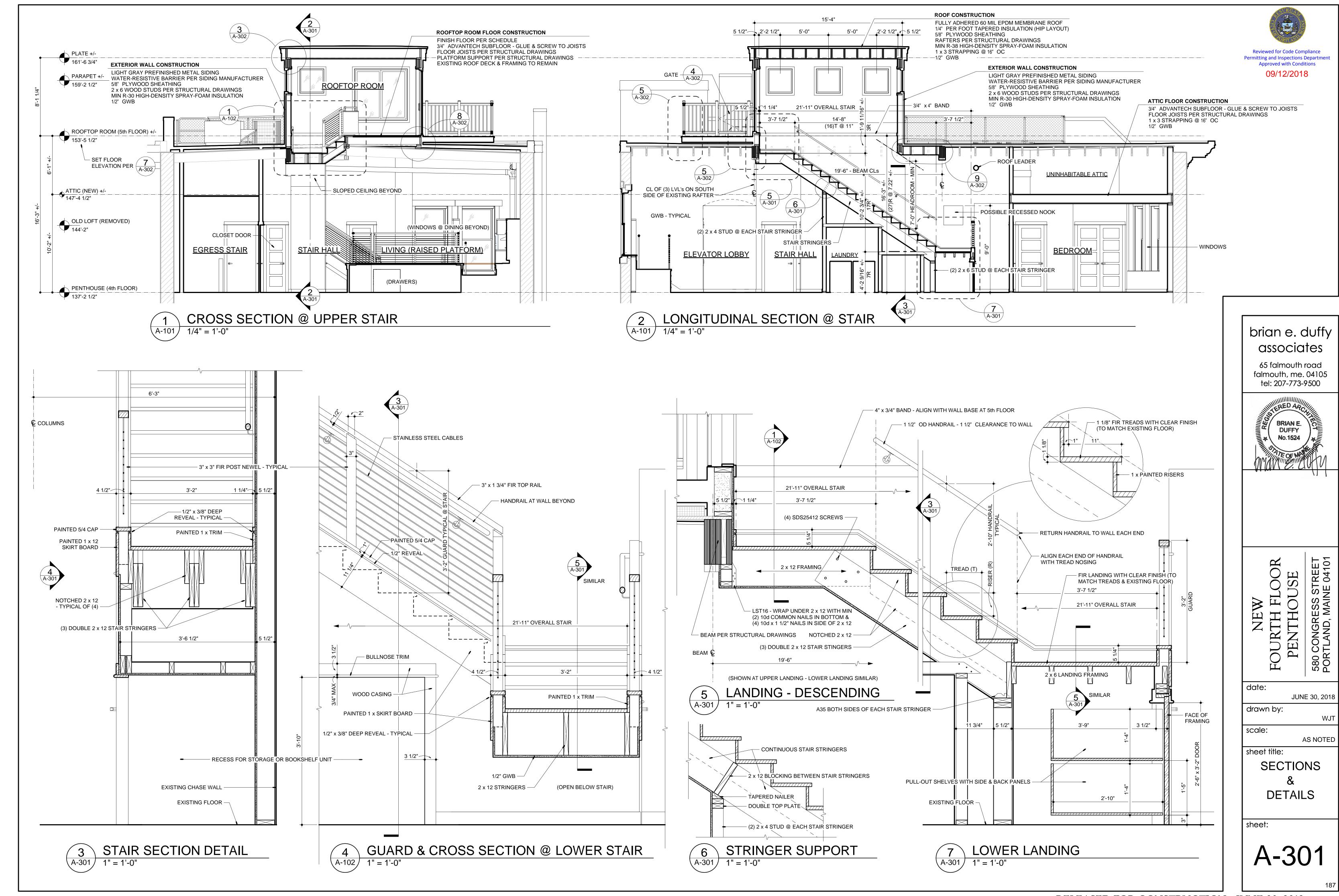
**ANALYSIS** 

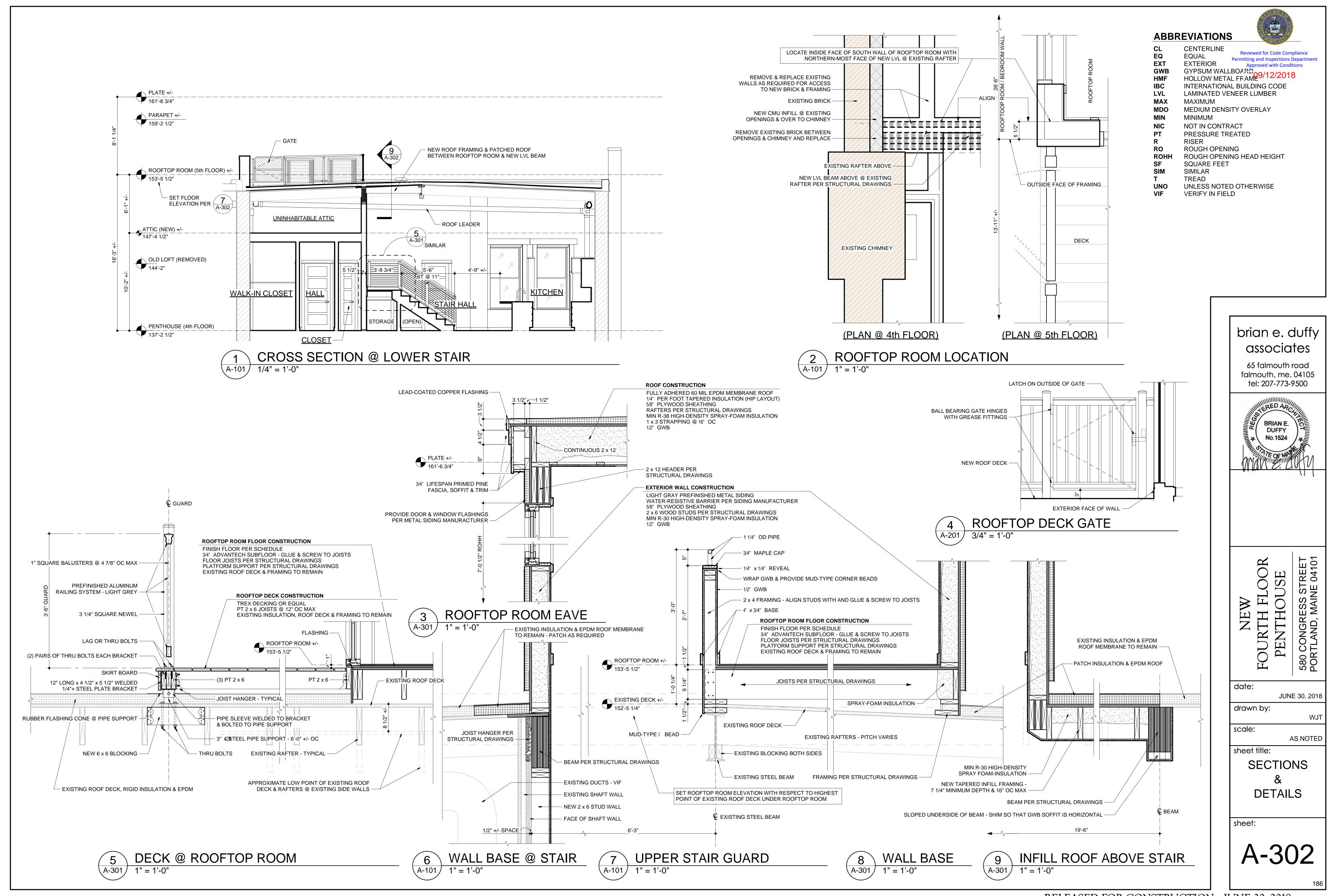
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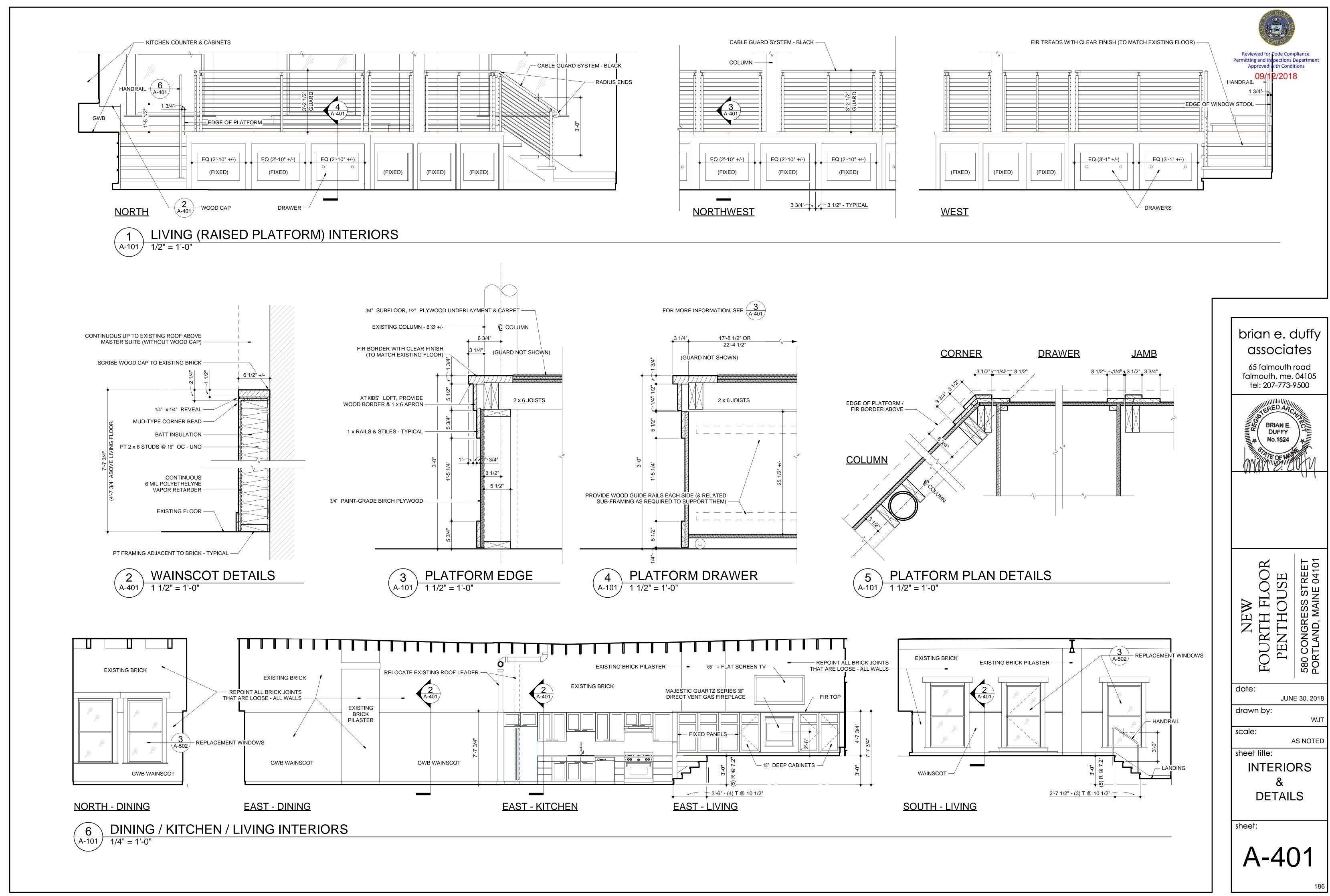
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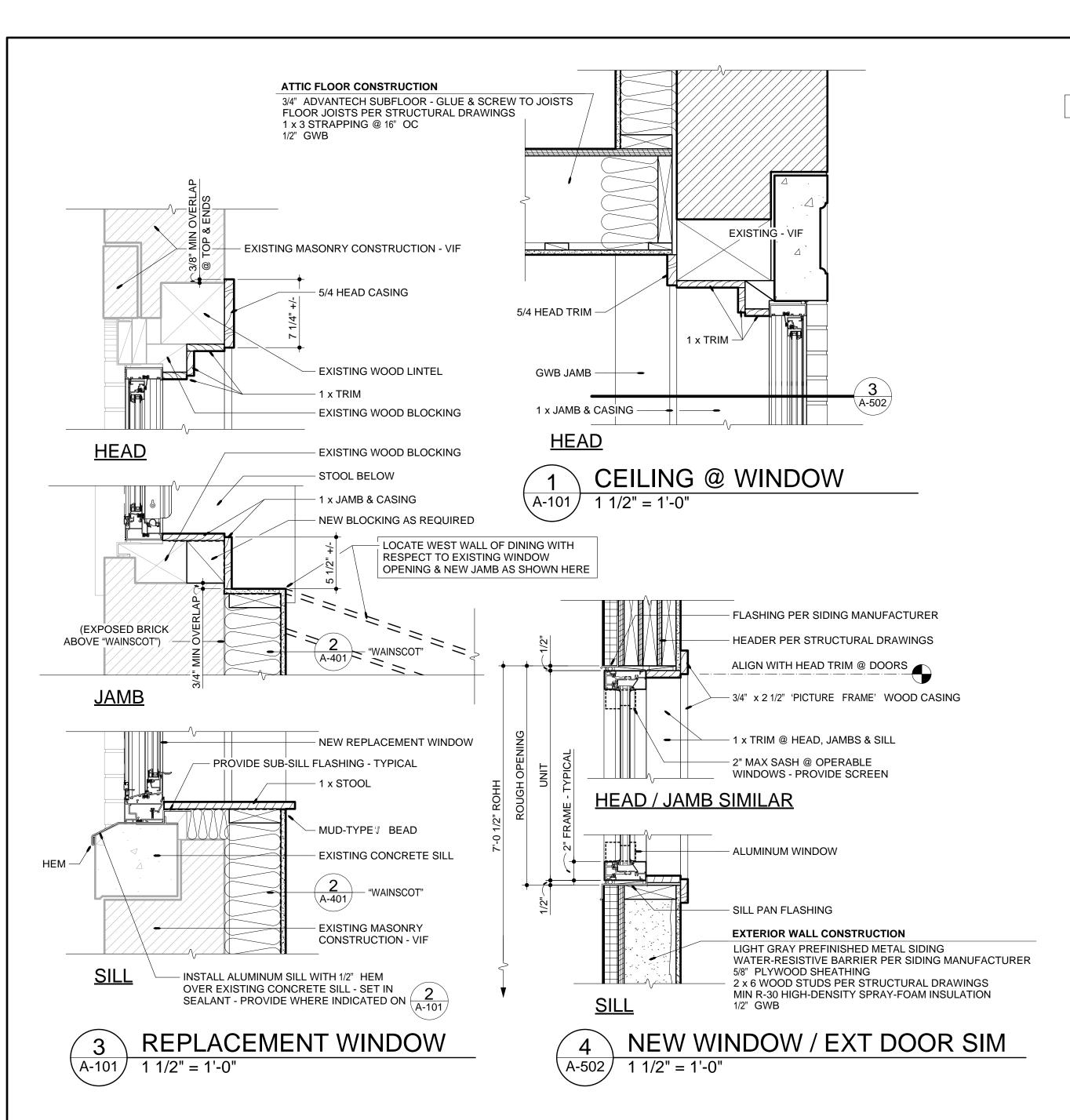












ROOM NO.	ROOM	FLOOF	₹		WA	CEILING	ROOM	REMARKS		
	NAME	MATERIAL	BASE	NORTH	EAST	SOUTH	WEST		NO.	
401	EGRESS STAIR	EXISTING		PATCH & PAINT	401					
402	ELEVATOR LOBBY	WOOD	4"	GWB	NA	GWB	GWB	EXPOSED	402	
403	CLOSET	WOOD	4"	GWB	GWB	GWB	GWB	GWB	403	
404	STAIR HALL	WOOD	4"	GWB	NA	NA	GWB	EXPOSED	404	
405	LIVING (RAISED PLA	CARPET	4"	NA	BRICK/CSWK	BRICK/GWB	NA	EXPOSED	405	
406	KITCHEN	TILE		NA	BRICK/CSWK	NA	NA	EXPOSED	406	
407	DINING	WOOD	4"	BRICK/GWB	BRICK/GWB	NA	GWB	EXPOSED	407	
408	GUEST BATH	TILE	TILE	GWB	GWB	GWB	GWB	GWB	408	
409	LINEN	TILE	TILE	GWB	GWB	GWB	GWB	GWB	409	
410	LAUNDRY	TILE	TILE	GWB	GWB	GWB	GWB	GWB	410	
411	HALL	WOOD	4"	GWB	GWB	GWB	GWB	GWB	411	
412	CLOSET	WOOD	4"	GWB	GWB	GWB	GWB	GWB	412	
413	BEDROOM	CARPET	4"	GWB	GWB	GWB	GWB	GWB	413	
414	WALK-IN CLOSET	CARPET	4"	GWB	GWB	GWB	GWB	GWB	414	
415	CLOSET	CARPET	4"	GWB	GWB	GWB	GWB	GWB	415	·
416	MASTER BATH	TILE	TILE	GWB	GWB	GWB	GWB	GWB	416	
601	ROOFTOP ROOM	CARPET	4"	GWB	GWB	GWB	GWB	GWB	601	

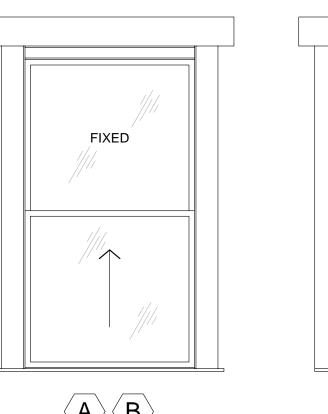
4": 1/2" x 4" WOOD BASE - EXTEND AROUND STAIR OPENING BRICK: ALL EXISTING BRICK WALLS ON FOURTH FLOOR ARE TO BE REPOINTED WITH COLOR MATCHING MORTAR. CLEAN ALL BRICK AND APPLY A COAT OF CLEAR SEALER. SEAL TEST PATCH AREA FOR OWNER'S APPROVAL BEFORE COMPLETING THE ENTIRE FOURTH FLOOR AREA.

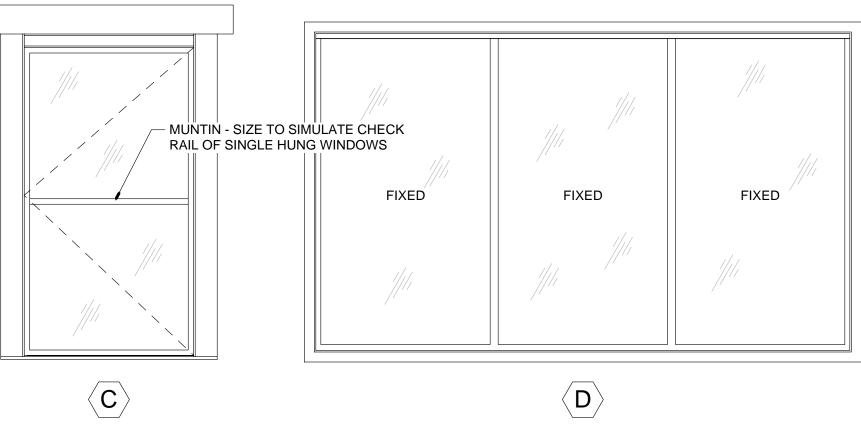
CARPET: CARPET ON 1/2" PLYWOOD SUBSTRATE; WOOD BORDER AT LIVING & KID'S LOFT

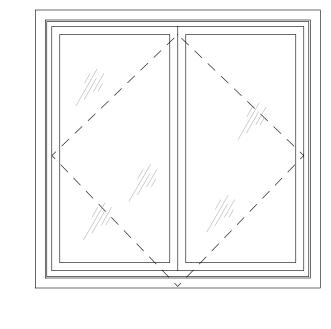
**EXPOSED:** CLEAN, PATCH, SAND & PAINT EXISTING ROOF RAFTERS, UNDERSIDE OF DECK, & RELATED BLOCKING GWB: 1/2" GYPSUM WALLBOARD; 5/8" FIRE RESISTANT AT WALLS ENCLOSING EGRESS STAIR & ELEVATOR SHAFT

PATCH & PAINT: PATCH & REPAINT EXISTING GWB WALLS; PRESERVE RATED CONSTRUCTION

PLYWOOD: CLEAR-FINISHED 3/4" T&G SUBFLOOR - GLUE & SCREW TO JOISTS WOOD: PATCH, SAND & REFINISH EXISTING WOOD FLOOR WITH CLEAR FINISH









((2) CASEMENTS OR SLIDING WINDOW)



# WINDOW TYPES

(VIEWED FROM INSIDE)

# WINDOW SCHEDULE

MARK	COUNT	WINDOW SIZE		OPERATION	MATERIAL	GLAZING	REPLACEMENT	<b>EGRESS</b>	MARK	REMARKS	
		WIDTH	HEIGHT	MEASUREMENT							
Α	6	3'6 3/8"	6'5"	OPENING	SINGLE HUNG	ALUMINUM	LOW-E	REPLACEMENT		Α	OPENING CONTROL DEVICE
В	3	3'6 3/8"	6'5"	OPENING	SINGLE HUNG	ALUMINUM	TEMPERED; LOW-E	REPLACEMENT		В	OPENING CONTROL DEVICE
С	2	3'6 3/8"	6'5"	OPENING	CASEMENT	ALUMINUM	TEMPERED; LOW-E	REPLACEMENT	EGRESS	С	PROVIDE LEVER HANDLE HARDWARE
D	1	11'4"	6'7 1/2"	RO	FIXED	ALUMINUM	TEMPERED; TINT; LOW-E			D	
E	1	5'8"	5'6"	RO	CASEMENT	ALUMINUM	TINT; LOW-E			Е	
F	4	2'8"	2'8"	RO	FIXED	ALUMINUM	TINT; LOW-E			F	

**ALUMINUM:** CLEAR ANODIZED ALUMINUM WITH THERMALLY-BROKEN FRAME & SASH COMPONENTS

**EGRESS:** EGRESS WINDOW AT FIRE ESCAPE

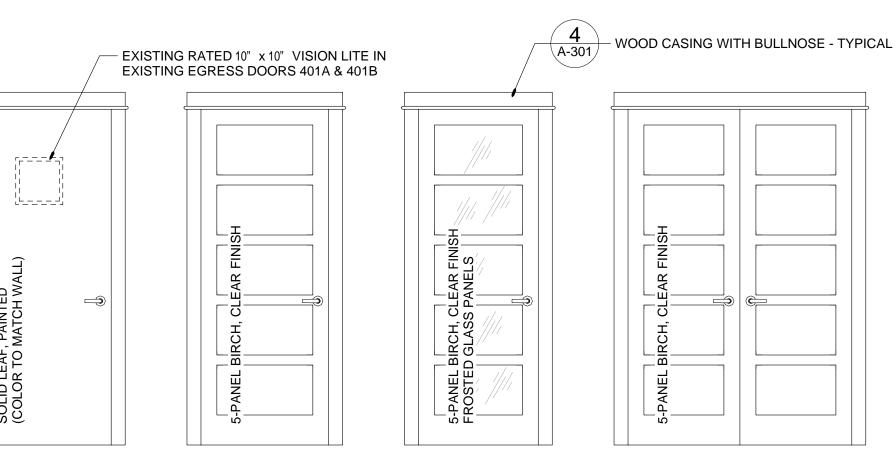
(VIEWED FROM INSIDE)

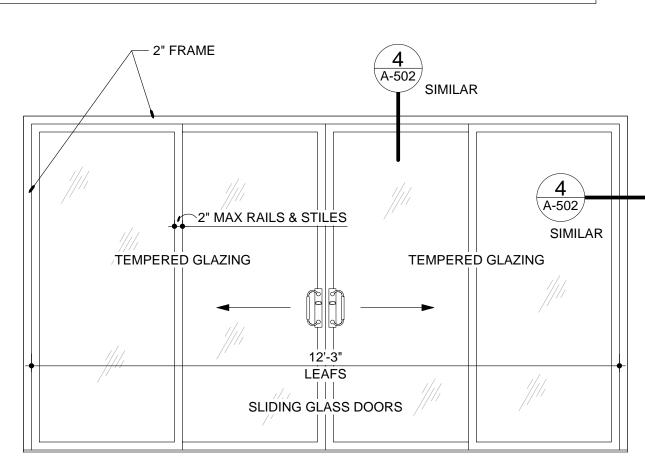
LOW-E: LOW EMISSIVITY INSULATED GLAZING

OPENING: WINDOW SIZE IS APPROXIMATE OPENING / SASH SIZE, MEASURED TO FACE OF JAMBS, TOP OF STOOL, & FINISHED HEAD OPENING CONTROL DEVICE: PROVIDE OPENING CONTROL DEVICE LIMITED TO 4" NET CLEAR OPENING WITH TWO-STEP RELEASE TO FULLY OPEN WINDOW REPLACEMENT: REPLACEMENT WINDOWS TO MATCH EXISTING SIZES, LITES, SIGHT LINES & COLORS (SIZES INDICATED ARE APPROXIMATE; VIF)

**RO: WINDOW SIZE IS ROUGH OPENING MEASUREMENTS TEMPERED:** TEMPERED GLAZING

TINT: TINTED GLAZING - COLOR PER ARCHITECT





Type A Type B Type C Type D Type E

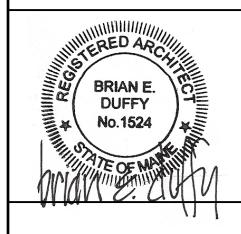
# DOOR TYPES

OOR	LOCATION	DOORS					FRAMES L		LABEL	DOOR	REMARKS	
NO.		WIDTH HEIGHT THICKNESS			TYPE MATERIAL		MATERIAL	WALL		NO.		
401A	EGRESS STAIR - SOUTH	3'0"	7'0"	1 3/4"	Α	EXISTING	HMF / WOOD	4 3/4"	90 MIN	401A	REPAINT; PRESERVE RATING	
101B	EGRESS STAIR - NORTH	3'0"	7'0"	1 3/4"	Α	EXISTING	HMF / WOOD	4 3/4"	90 MIN	401B	RELOCATE DOOR & FRAME; REPAINT; PRESERVE RATING	
403	CLOSET	2'0"	7'0"	1 3/8"	В	WOOD	WOOD CASING	4 1/2"		403		
408	TOILET	2'6"	7'0"	1 3/8"	В	WOOD	WOOD CASING	4 1/2"		408		
409	CLOSET	1'8"	7'0"	1 3/8"	В	WOOD	WOOD CASING	4 1/2"		409		
410	LAUNDRY	5'0"	6'6"	1 3/8"	В	WOOD	WOOD CASING	4"		410		
411	UNDER-STAIR STORAGE	2'6"	3'2"	1 3/8"	Α	WOOD	WOOD CASING	4 1/2"		411		
412	CLOSET	1'6"	7'0"	1 3/8"	В	WOOD	WOOD CASING	4 1/2"		412		
413	BEDROOM	2'8"	7'0"	1 3/8"	В	WOOD	WOOD CASING	4 1/2"		413		
414	WALK-IN CLOSET	2'8"	7'0"	1 3/8"	В	WOOD	WOOD CASING	4 1/2"		414		
415	CLOSET	4'8"	7'0"	1 3/8"	D	WOOD	WOOD CASING	4 1/2"		415		
416	MASTER BATH	2'6"	7'0"	1 3/8"	С	WOOD/GLASS	WOOD CASING	4 1/2"		416		
601	ROOFTOP ROOM	12'3"	6'10"	1 3/4"	E	ALUMINUM	ALUMINUM	3 1/2"		601	NOTE 1: TEMPERED, INSULATED, LOW-E GLAZING	

NOTE 1: RO = 12'-8" x 7'-0 1/2" (12'-3" DOOR LEAFS + (2)2" FRAMES + (2)1/2" SHIMS = 12'-8" RO WIDTH x 6'-10" LEAF HEIGHT + 2" FRAME + 1/2" SHIM = 7'-0 1/2" RO HEIGHT) **ALUMINUM: CLEAR ANODIZED ALUMINUM WITH THERMALLY-BROKEN FRAME & DOOR COMPONENTS** HMF / WOOD: PROVIDE NEW WOOD CASING OVER EXISTING HMF - CASING PER DETAIL 4 on A-301

WOOD CASING: WOOD FRAME WITH WOOD CASING PER DETAIL 4 on A-301 WALL: WALL THICKNESS / HOLLOW METAL FRAME THROAT DIMENSION brian e. duffy associates

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date: JUNE 30, 2018 drawn by:

AS NOTED

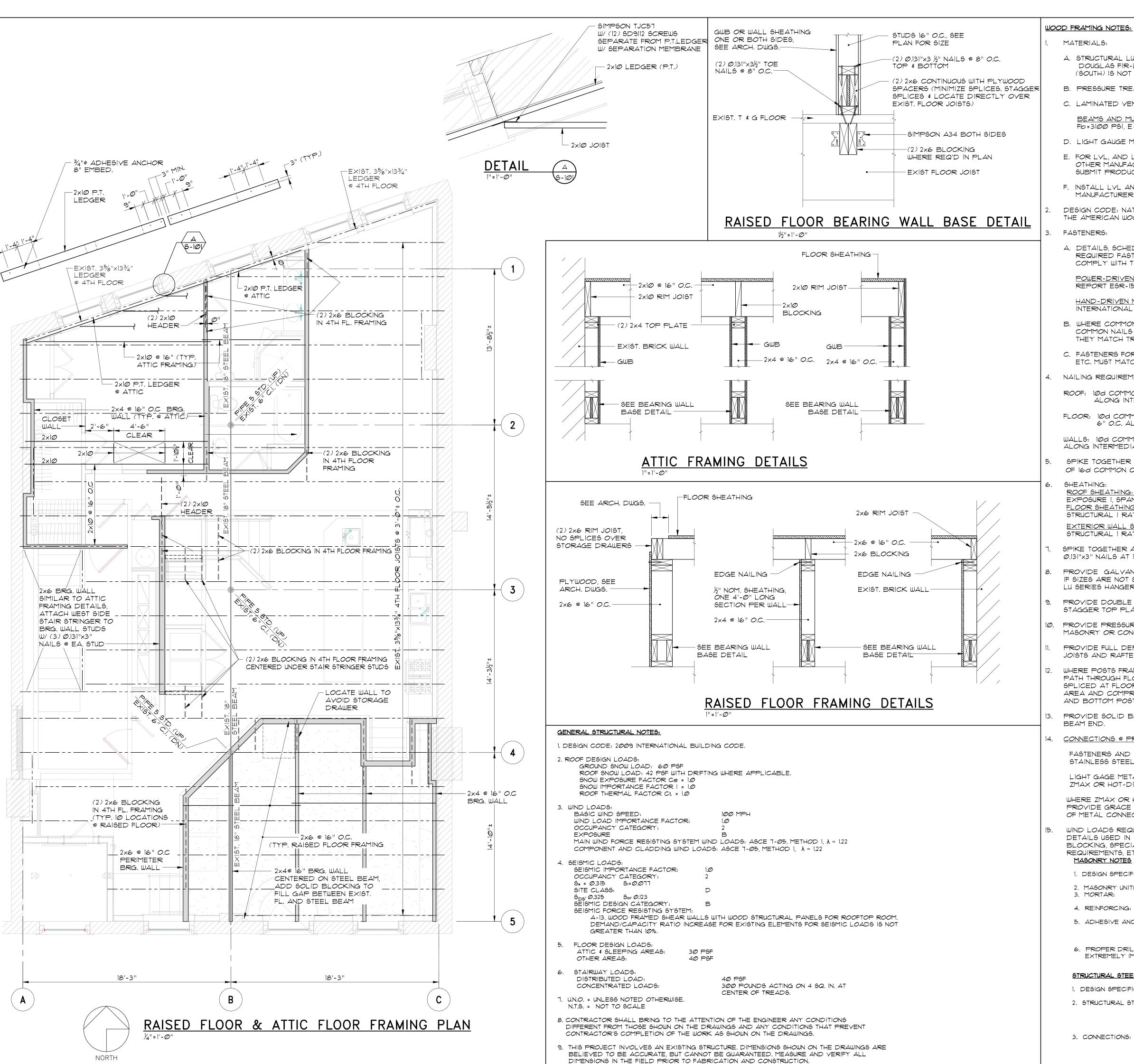
sheet title:

scale:

DOORS,

WINDOWS,

**FINISHES** sheet:



#### NOOD FRAMING NOTES:

#### MATERIALS:

- A. STRUCTURAL LUMBER: NO. 2 OR BETTER SPRUCE-PINE-FIR, DOUGLAS FIR, OR DOUGLAS FIR-LARCH, 19% MAX. MOISTURE CONTENT, U.N.O. SPRUCE-PINE-FIR (SOUTH) IS NOT ACCEPTABLE.
- B. PRESSURE TREATED LUMBER: NO. 2 OR BETTER SOUTHERN PINE
- C. LAMINATED VENEER LUMBER (LVL):

BEAMS AND MULTI-PLY POSTS: VERSA-LAM 2.0 3100 LVL BY BOISE CASCADE Fb=3100 PSI, E=2.0×106 PSI

- D. LIGHT GAUGE METAL CONNECTORS AND STRUCTURAL SCREWS: SIMPSON STRONG-TIE
- E. FOR LYL, AND LIGHT GAUGE METAL CONNECTORS, EQUIVALENT PRODUCTS FROM OTHER MANUFACTURERS MAY BE USED. IF EQUIVALENT PRODUCTS ARE USED, SUBMIT PRODUCT INFORMATION CLEARLY SHOWING EQUIVALENCY.
- F. INSTALL LYL AND LIGHT GAUGE CONNECTORS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND DETAILS.
- DESIGN CODE: NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE AMERICAN WOOD COUNCIL

#### FASTENERS:

A. DETAILS, SCHEDULES, AND NOTES ON THE DRAWINGS MAY NOT SHOW ALL REQUIRED FASTENERS. IN ADDITION TO FASTENERS SHOWN ON THE DRAWINGS, COMPLY WITH THE FOLLOWING:

POWER-DRIVEN NAILS: FASTENING SCHEDULE TABLES 10, 11, AND 12 OF ICC-ES REPORT ESR-1539 (REISSUED Ø7/2017)

HAND-DRIVEN NAILS: TABLE R602.3(1), FASTENING SCHEDULE OF THE 2015 INTERNATIONAL RESIDENTIAL CODE

- B. WHERE COMMON NAILS ARE SPECIFICALLY CALLED OUT ON THE DRAWINGS, COMMON NAILS ARE REQUIRED. POWER DRIVEN NAILS CANNOT BE USED UNLESS THEY MATCH TRUE COMMON NAIL SIZES.
- C. FASTENERS FOR LIGHT GAUGE METAL FRAMING CONNECTORS, HANGERS, STRAPS, ETC. MUST MATCH THE SIZES REQUIRED BY THE LIGHT GAUGE MANUFACTURER.
- 4. NAILING REQUIREMENTS FOR FLOOR, ROOF AND WALL SHEATHING:

ROOF: 10d COMMON OR 0.131" x 21/4" NAILS, 6" O.C. ALONG PANEL EDGES, 12" O.C. ALONG INTERMEDIATE MEMBERS.

FLOOR: 10d COMMON DEFORMED SHANK OR 0.131" x 2½" DEFORMED SHANK NAILS, 6" O.C. ALONG PANEL EDGES, 12" O.C. ALONG INTERMEDIATE MEMBERS.

WALLS: 10d COMMON OR 0.131" x 21/4" NAILS, 6" O.C. ALONG PANEL EDGES, 12" O.C. ALONG INTERMEDIATE MEMBERS.

SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING 2-ROWS OF 16d COMMON OR Ø.135" x 3½" NAILS AT 12" O.C. STAGGERED.

ROOF SHEATHING: APA RATED SHEATHING OR STRUCTURAL I RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20, MIN. THICKNESS 19/32 FLOOR SHEATHING: APA RATED SHEATHING OR APA RATED STURD-I-FLOOR STRUCTURAL | RATED, EXPOSURE |, SPAN RATING 48/24. MIN. THICKNESS 23/32". EXTERIOR WALL SHEATHING (INCLUDING SHEAR WALLS): APA RATED SHEATHING, OR STRUCTURAL 1 RATED SHEATHING, EXPOSURE 1, SPAN RATING 40/20, MIN. THICKNESS 19/32'

- SPIKE TOGETHER ALL FRAMING MEMBERS WHICH ARE BUILT-UP USING 2-ROWS OF
- PROVIDE GALVANIZED METAL JOIST HANGERS AT FLUSH FRAMED CONNECTIONS. IF SIZES ARE NOT SHOWN ON DRAWINGS, PROVIDE HANGERS EQUAL TO SIMPSON U OR LU SERIES HANGERS AS REQUIRED BY SIZE OF MEMBER.
- PROVIDE DOUBLE TOP PLATE IN ALL EXTERIOR WALLS AND BEARING WALLS. STAGGER TOP PLATE SPLICES MIN. 4'-O" AND FASTEN WITH (12) 0.131" x 3" NAILS.
- 10. PROVIDE PRESSURE TREATED LUMBER FOR ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE OR PROVIDE SUITABLE SEPARATION MEMBRANE.
- PROVIDE FULL DEPTH BLOCKING AT ENDS AND INTERIOR SUPPORTS OF ALL JOISTS AND RAFTERS WHERE JOISTS AND RAFTERS FRAME OVER SUPPORTS.
- WHERE POSTS FRAME THROUGH FLOOR LEVELS, PROVIDE A CONTINUOUS LOAD PATH THROUGH FLOORS TO BEAM OR FOUNDATION BELOW. POSTS MAY BE SPLICED AT FLOOR LEVEL. PROVIDE SOLID BLOCKING WITH CROSS SECTIONAL AREA AND COMPRESSIVE STRENGTH EQUAL TO OR GREATER THAN POSTS IF TOP AND BOTTOM POSTS ARE NOT IN CONTACT WITH EACH OTHER.
- PROVIDE SOLID BLOCKING AT ENDS OF ALL BEAMS TO PREVENT ROTATION OF
- CONNECTIONS @ PRESSURE-TREATED (P.T.) WOOD:

FASTENERS AND PLATE WASHERS: STAINLESS STEEL OR HOT-DIP GALVANIZED PER ASTM A153

LIGHT GAGE METAL CONNECTORS:

ZMAX OR HOT-DIP GALVANIZED CONNECTORS BY SIMPSON STRONG-TIE.

WHERE ZMAX OR HDG CONNECTORS ARE NOT AVAILABLE, PROVIDE GRACE VYCOR DECK PROTECTOR MEMBRANE TO PREVENT CONTACT OF METAL CONNECTOR WITH P.T. WOOD.

WIND LOADS REQUIRE CONSTRUCTION DETAILS WHICH MAY DIFFER FROM THOSE DETAILS USED IN "TYPICAL" WOOD CONSTRUCTION. THIS MAY INCLUDE ADDITIONAL BLOCKING, SPECIAL NAILING AND FASTENING REQUIREMENTS, SPECIAL MATERIAL REQUIREMENTS, ETC. PLEASE REVIEW DETAILS CAREFULLY BEFORE CONSTRUCTION. MASONRY NOTES

1. DESIGN SPECIFICATION: ACI 530-08/TMS 402-08

2. MASONRY UNITS: ASTM C-62, GRADE NW OR MW, TYPE FBS 3. MORTAR: ASTM C270, TYPE N

4. REINFORCING:

5. ADHESIVE ANCHORS: HILTI HIT-HY 70 ADHESIVE, HAS-E THREADED ROD OR THREADED ROD WITH MIN. YIELD OF 36 KSI., SCREEN TUBES AS RECOMMENDED BY MFR.

ASTM A615, GRADE 60

6. PROPER DRILLING AND PREPARING HOLES FOR ADHESIVE ANCHORS ARE EXTREMELY IMPORTANT. COMPLY WITH MANUFACTURER'S INSTRUCTIONS.

#### STRUCTURAL STEEL NOTES:

1. DESIGN SPECIFICATION: AISC 360-05 ALLOWABLE STRENGTH DESIGN

WELDING:

2. STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE SHAPES ASTM A500 GRADE B FOR TUBES

ASTM A53 TYPE E OR S, GRADE B FOR PIPES

ASTM A36 FOR ALL OTHER SHAPES AND PLATES FIELD BOLTED, ASTM A325N BOLTS, EXCEPT WHERE FIELD WELDING IS SHOWN

ETØ ELECTRODES

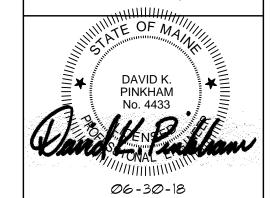
RELEASED FOR CONSTRUCTION



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Ш PE

date:

JUNE 30, 2018

drawn by:

MJB

AS NOTED sheet title:

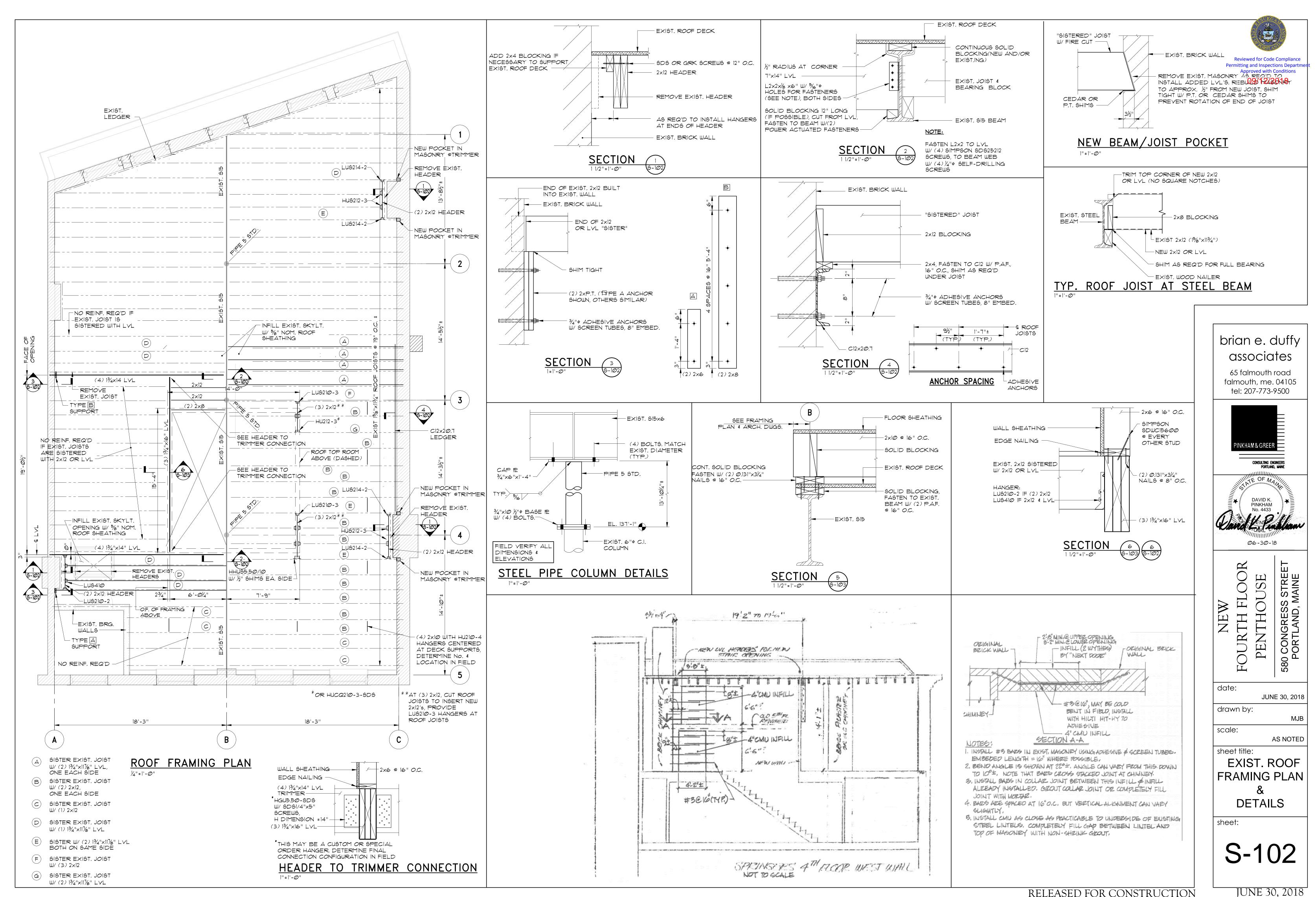
RAISED FLOOR **|& ATTIC FRAMING** 

PLANS & **DETAILS** 

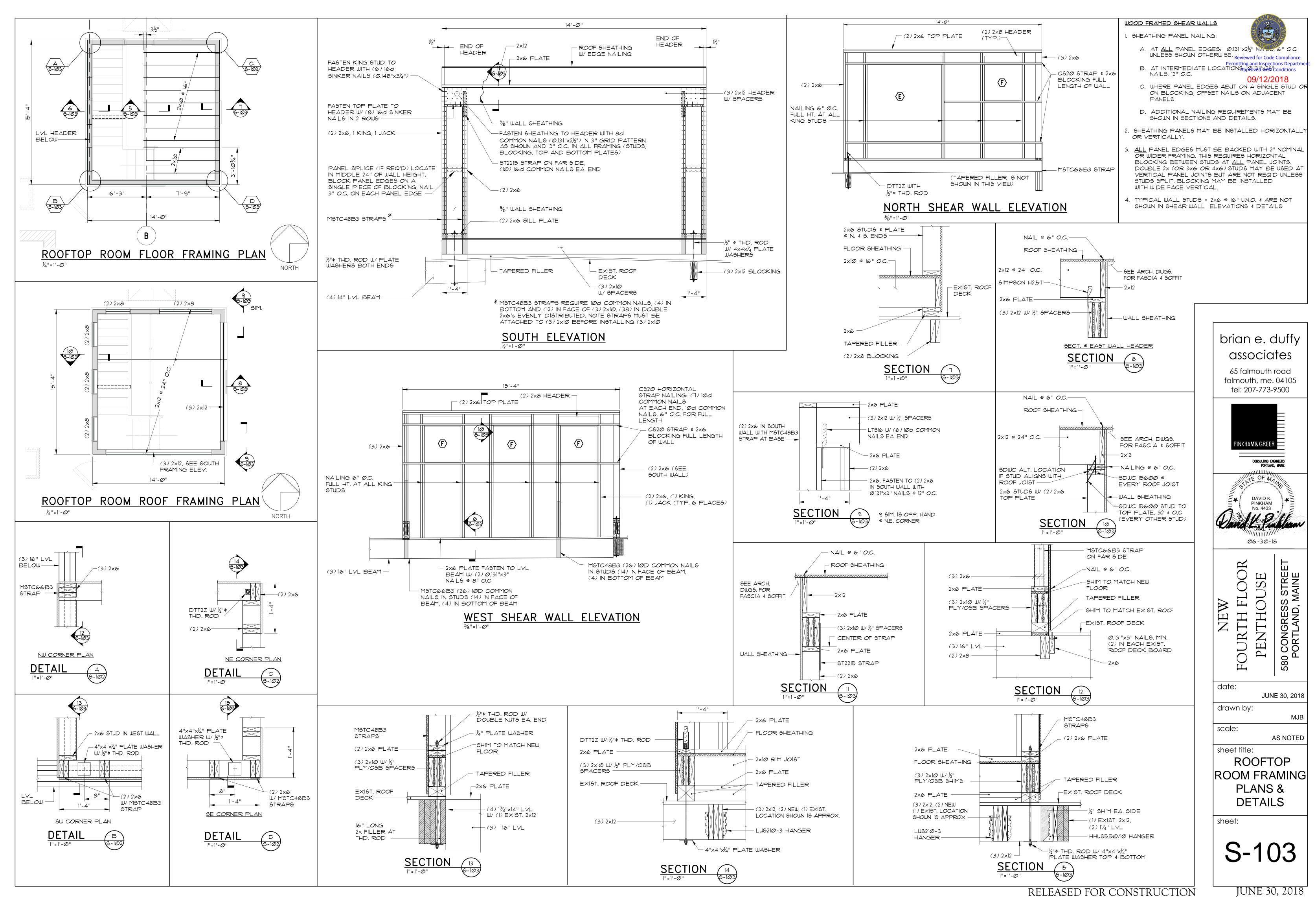
sheet:

S-101

JUNE 30, 2018



RELEASED FOR CONSTRUCTION



JUNE 30, 2018