

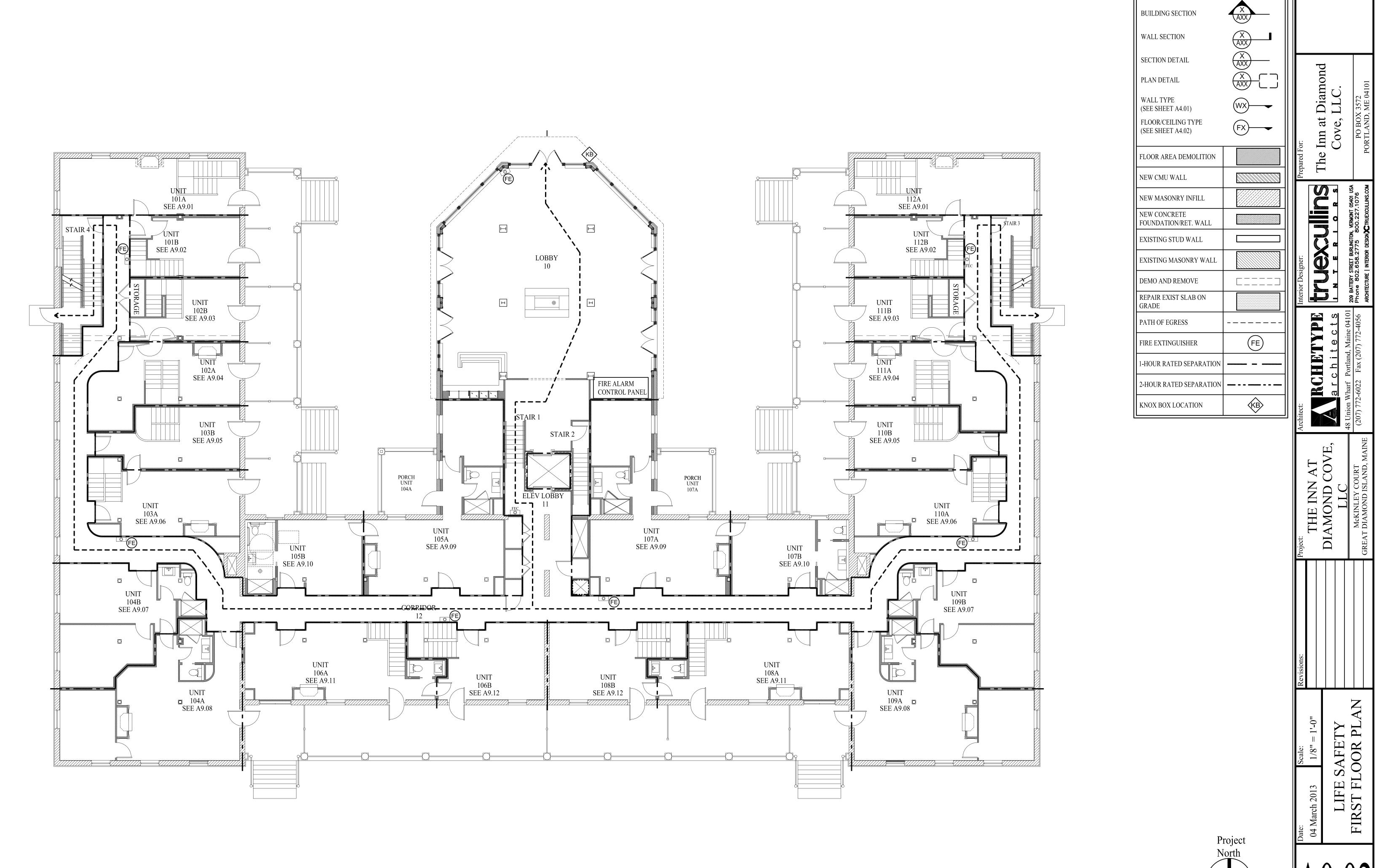
LEGEND: BUILDING SECTION X AXX WALL SECTION AXX SECTION DETAIL PLAN DETAIL WALL TYPE (SEE SHEET A4.01) FLOOR/CEILING TYPE FX (SEE SHEET A4.02) FLOOR AREA DEMOLITION NEW CMU WALL NEW MASONRY INFILL NEW CONCRETE FOUNDATION/RET. WALL EXISTING STUD WALL EXISTING MASONRY WALL DEMO AND REMOVE REPAIR EXIST SLAB ON GRADE PATH OF EGRESS _____ FIRE EXTINGUISHER 1-HOUR RATED SEPARATION 2-HOUR RATED SEPARATION — - - — - - — KB KNOX BOX LOCATION

LIFE SAFETY BASEMENT PLA

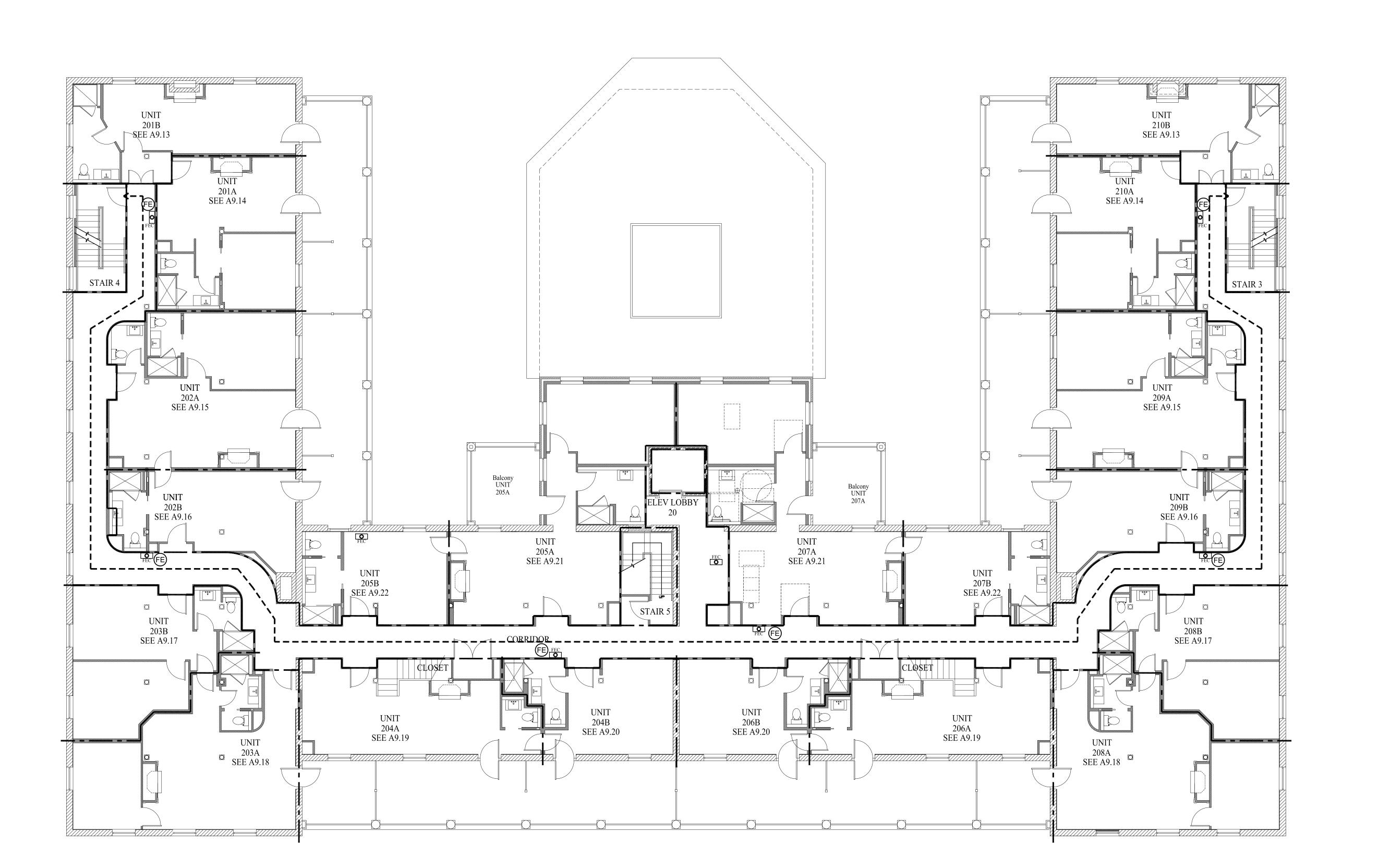
Inn at Diamond Cove, LLC.

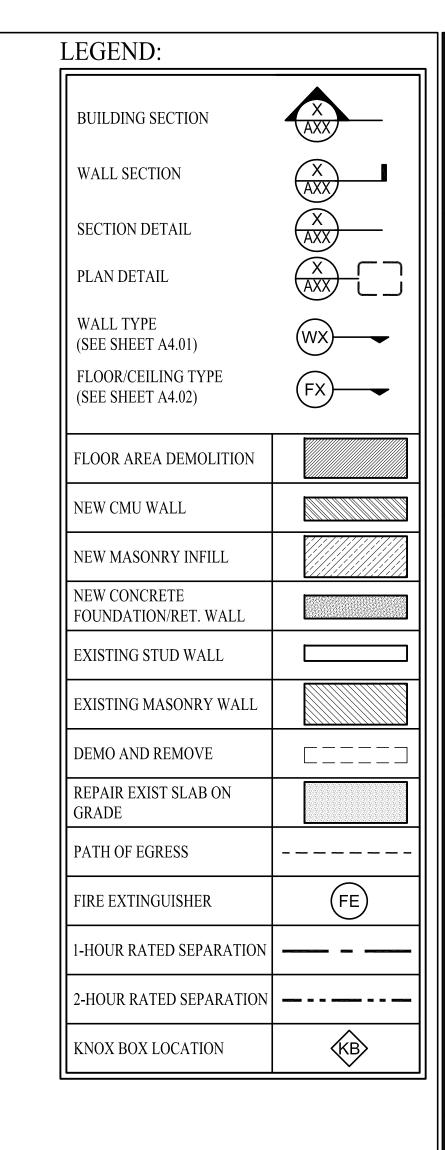
Project North

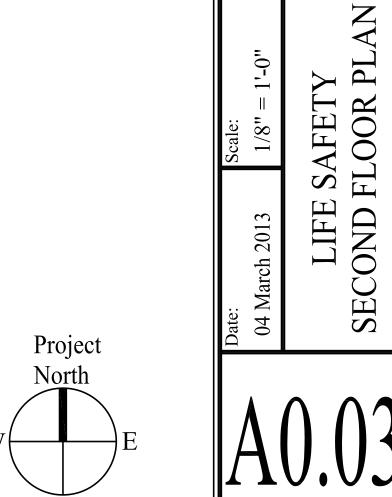
BASEMENT PLAN SCALE: 1/8"=1'-0"

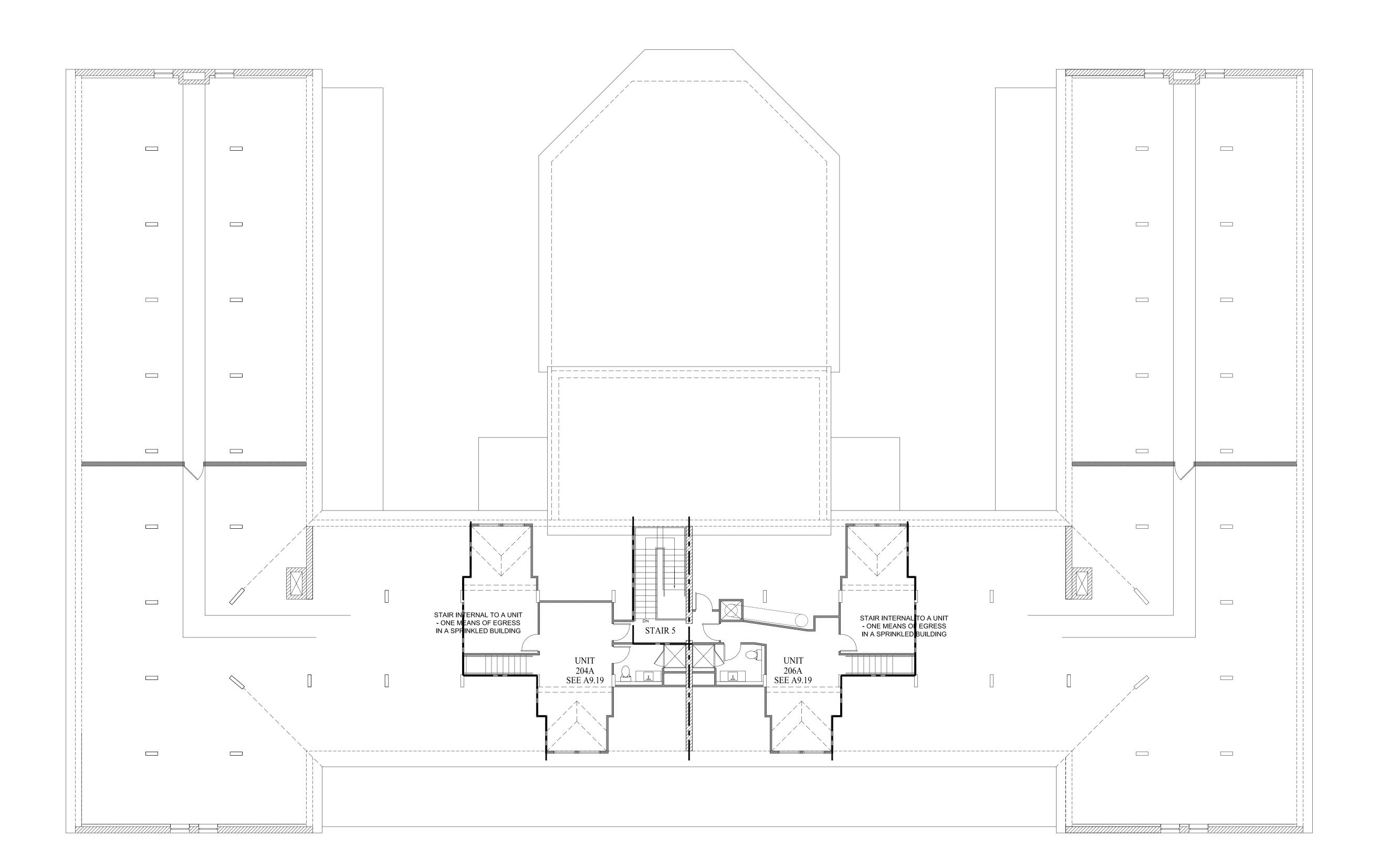


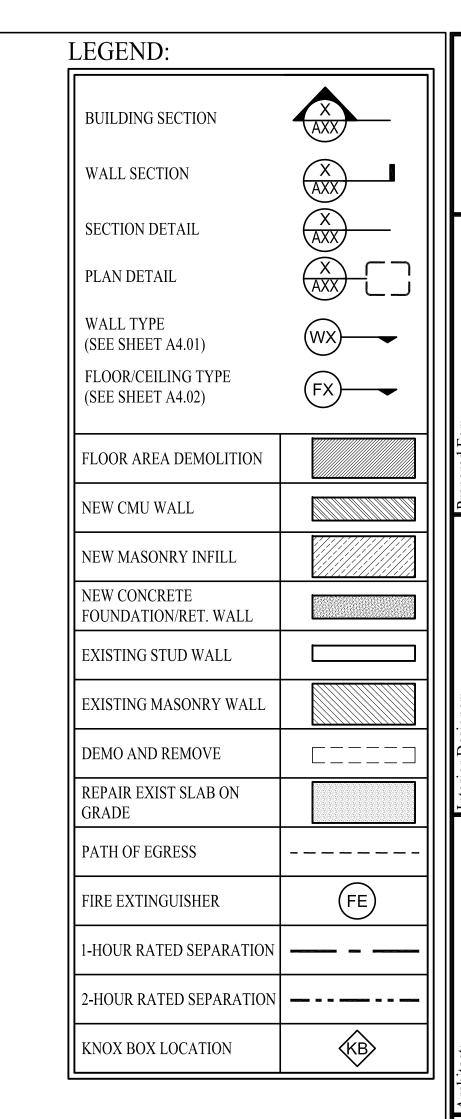
LEGEND:

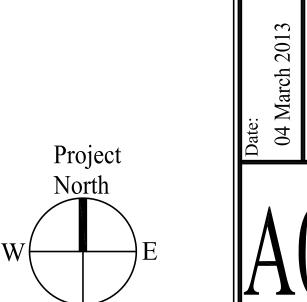




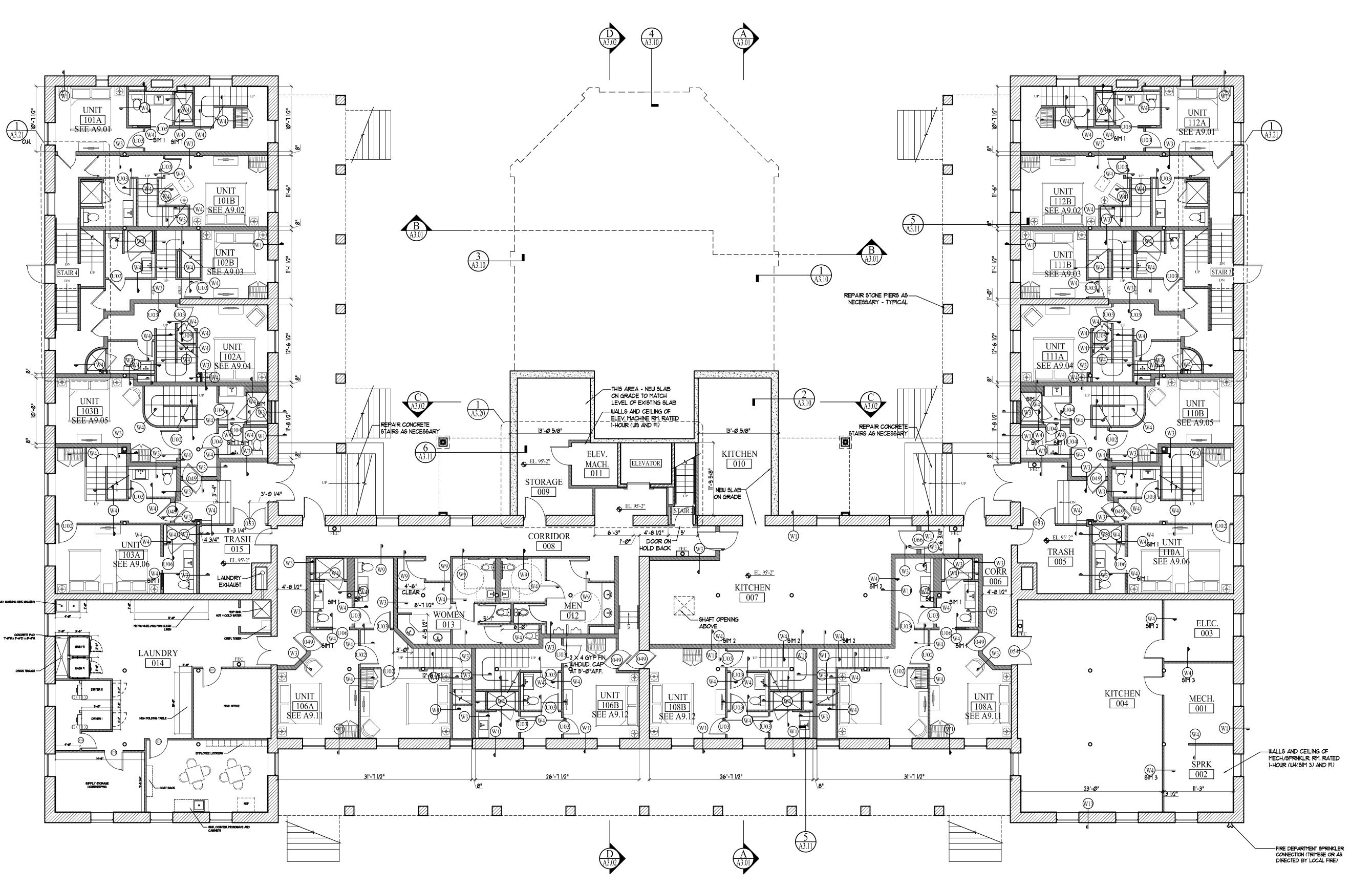








LIFE SAFETY THIRD FLOOR PLA



LEGEND: **BUILDING SECTION** $\begin{pmatrix} X \\ AXX \end{pmatrix}$ WALL SECTION SECTION DETAIL PLAN DETAIL WALL TYPE (SEE SHEET A4.01) FLOOR/CEILING TYPE (SEE SHEET A4.02) FIRE EXTINGUISHER CABINET - SURFACE MTD. FLOOR AREA DEMOLITION NEW CMU WALL NEW MASONRY INFILL NEW CONCRETE FOUNDATION/RET. WALL EXISTING STUD WALL EXISTING MASONRY WALL DEMO AND REMOVE L _ _ _ _ _ REPAIR EXIST SLAB ON

GENERAL NOTES:

GRADE / NEW SLAB

ALL INTERIOR PARTITIONS, RATED AND UNRATED, SHALL EXTEND FROM FLOOR DECK TO UNDERSIDE OF DECK ABOVE

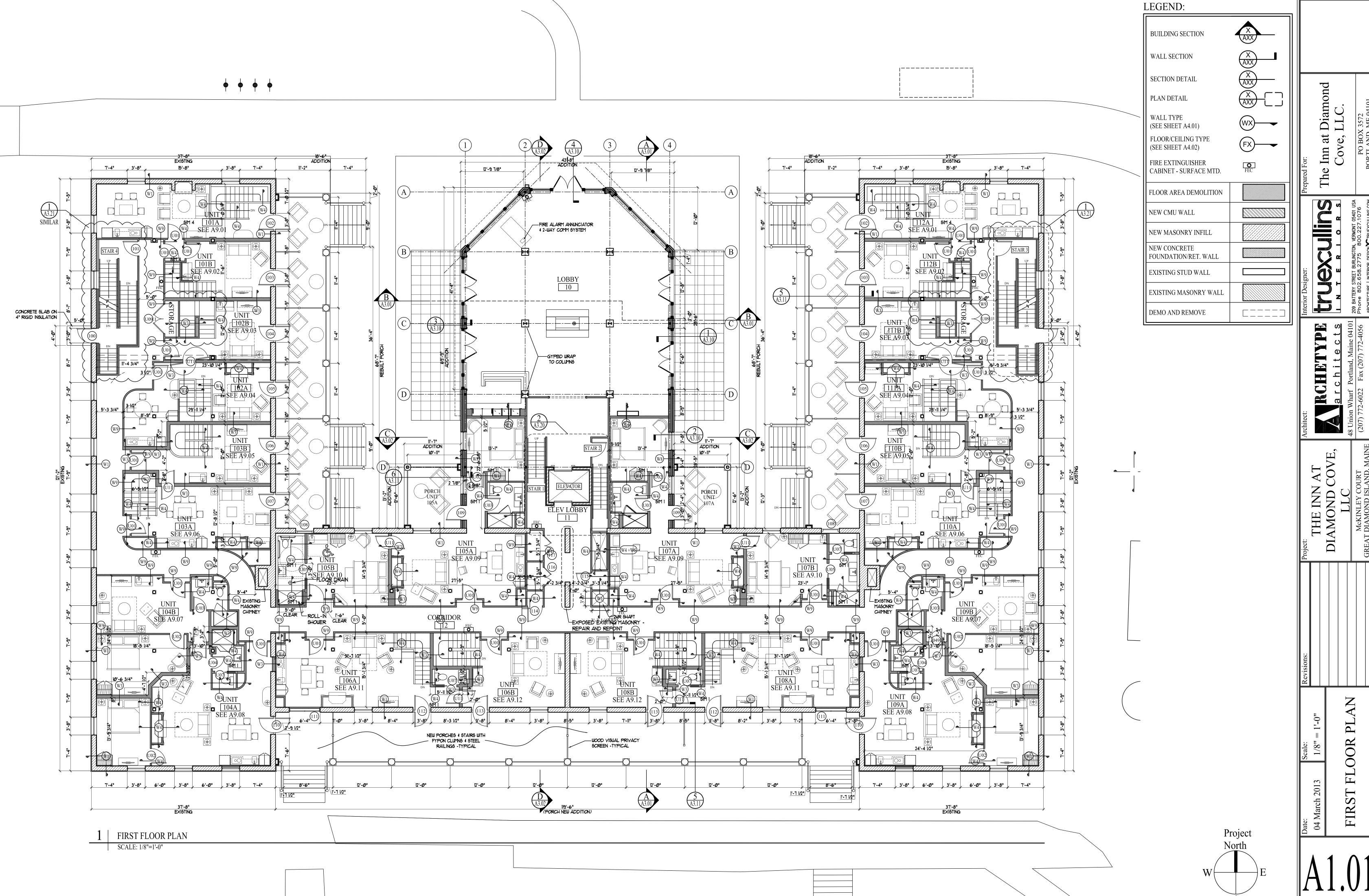
WALLS TO EXTEND TO UNDERSIDE OF DECK ABOVE, OR PROVIDE SOLID WOOD FIRE BLOCKING CONTINUOUS ALONG TOP PLATE AT ALL NEW MASONRY OPENINGS, AT NEW

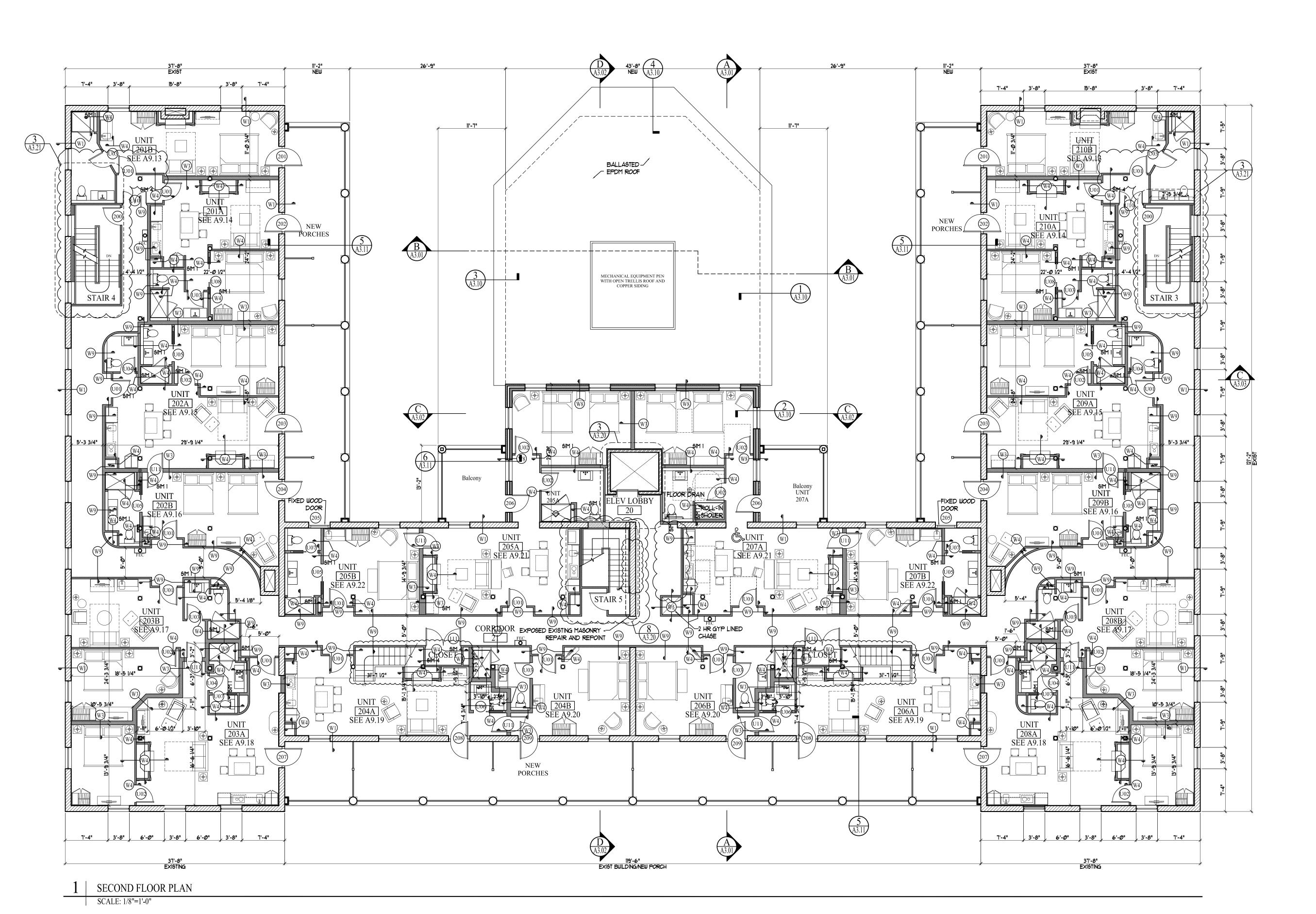
- DOORS, ETC., MASONRY SHALL RETURN INTO OPENING AND BE TOOTHED-IN WITH LIKE MATERIAL AND FINISH TO PROVIDE CLEAN MASONRY OPENING FOR NEW WORK. OFFSET STUDS WHERE REQUIRED TO
- ACCOMMODATE STRAIGHT RUNS OF WALLS WITH 1 AND 2 LAYERS OF GYP BOARD. FINISHED GYP BOARD SHALL BE A CONTINUOUS PLANE. ALL DIMENSIONS ARE TO FACE OF ROUGH
- FRAMING, COLUMN CENTERLINES AND FACI OF MASONRY. ALL DIMENSIONS MUST BE FIELD VERIFIED AND ANY ADJUSTMENTS MADE FOR ACTUAL FOUND CONDITIONS. CLEAR FINISHED DIMENSIONS ARE NOTED. INFILL, REPAIR AND REPOINT EXISTING MASONRY. TYPICAL ALL EXISTING MASONRY.
- PATCH AND REPAIR WOOD FLOOR STRUCTURE AS INDICATED ON STRUCTURAL DRAWINGS AND AS NECESSARY
- PORCHES REBUILT AND DETAILED AS SHOWN ON DRAWING A3.02

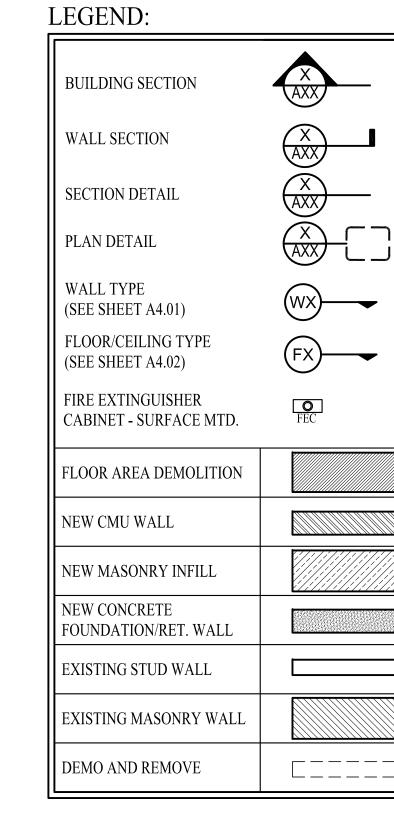
ASEMENT

Project North

BASEMENT PLAN SCALE: 1/8"=1'-0"

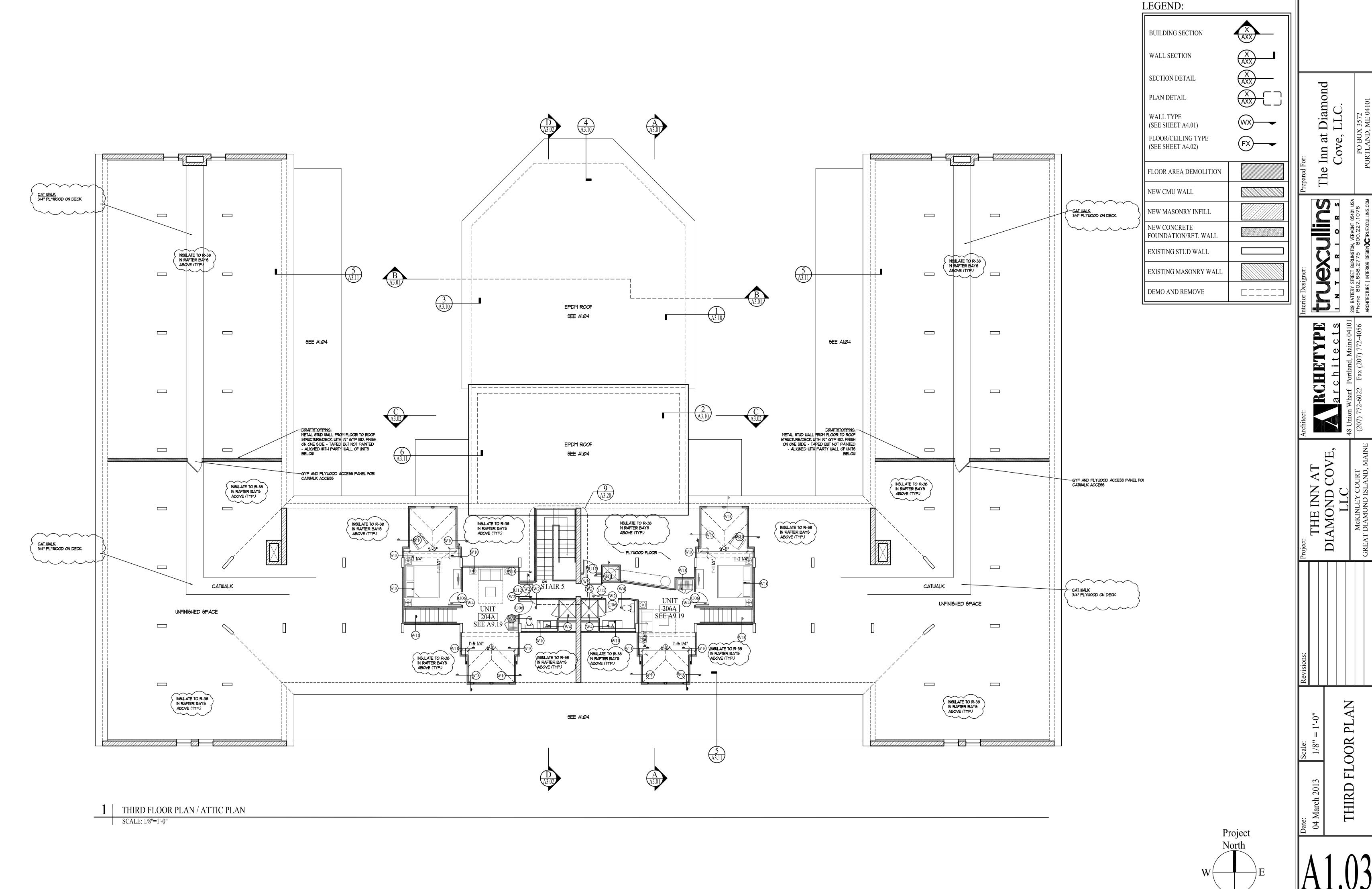


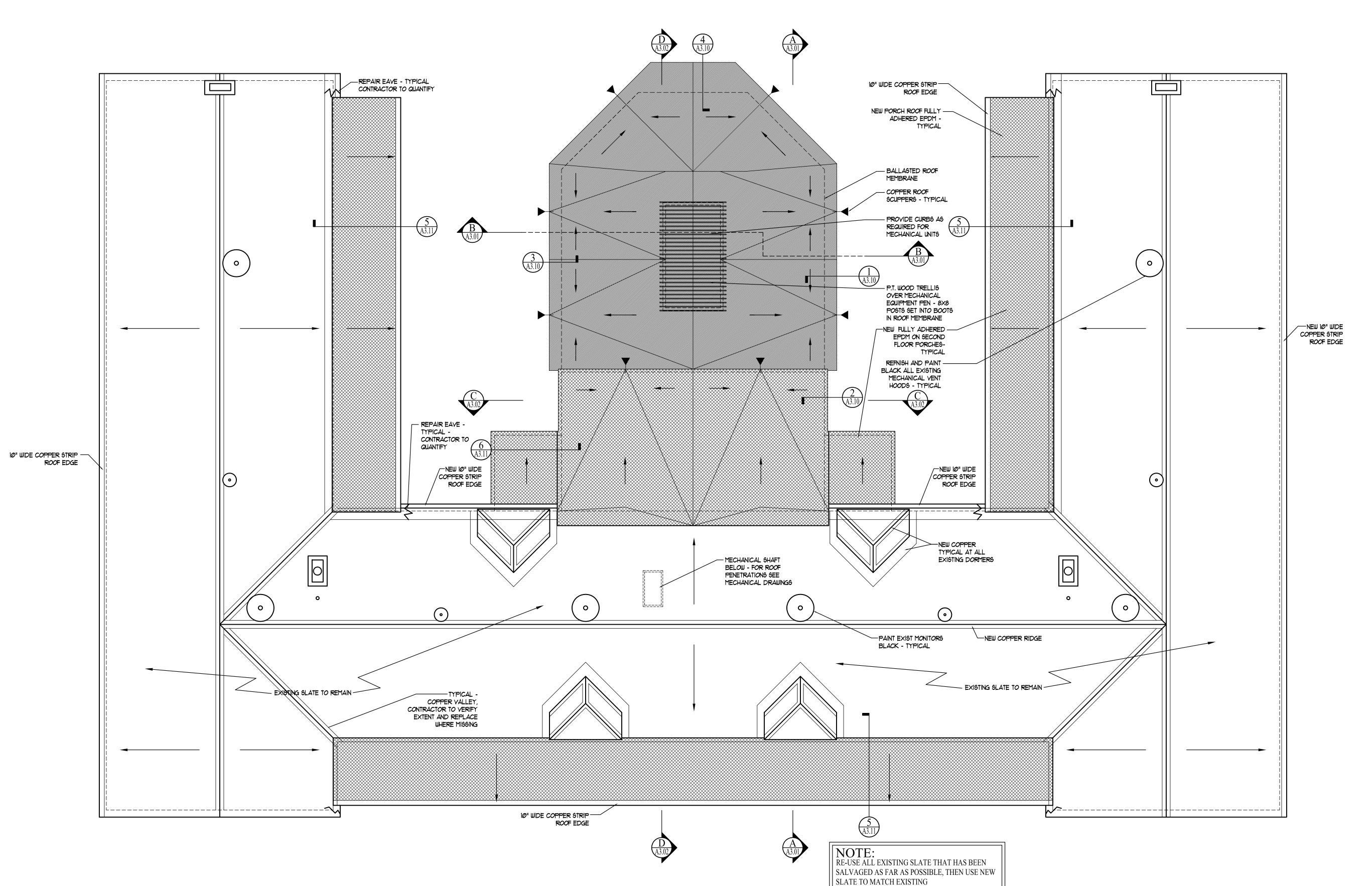


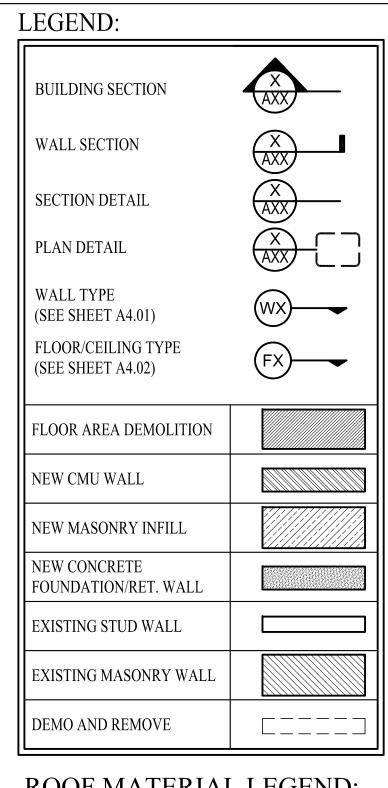


Project North W S

A1.02







ROOF MATERIAL LEGEND	
BALLASTED/FILLLY	

BALLASTED/FULLY ADHERED EPDM	
FULLY ADHERED EPDM	

THE INN AT

DIAMOND COVE,

LLC

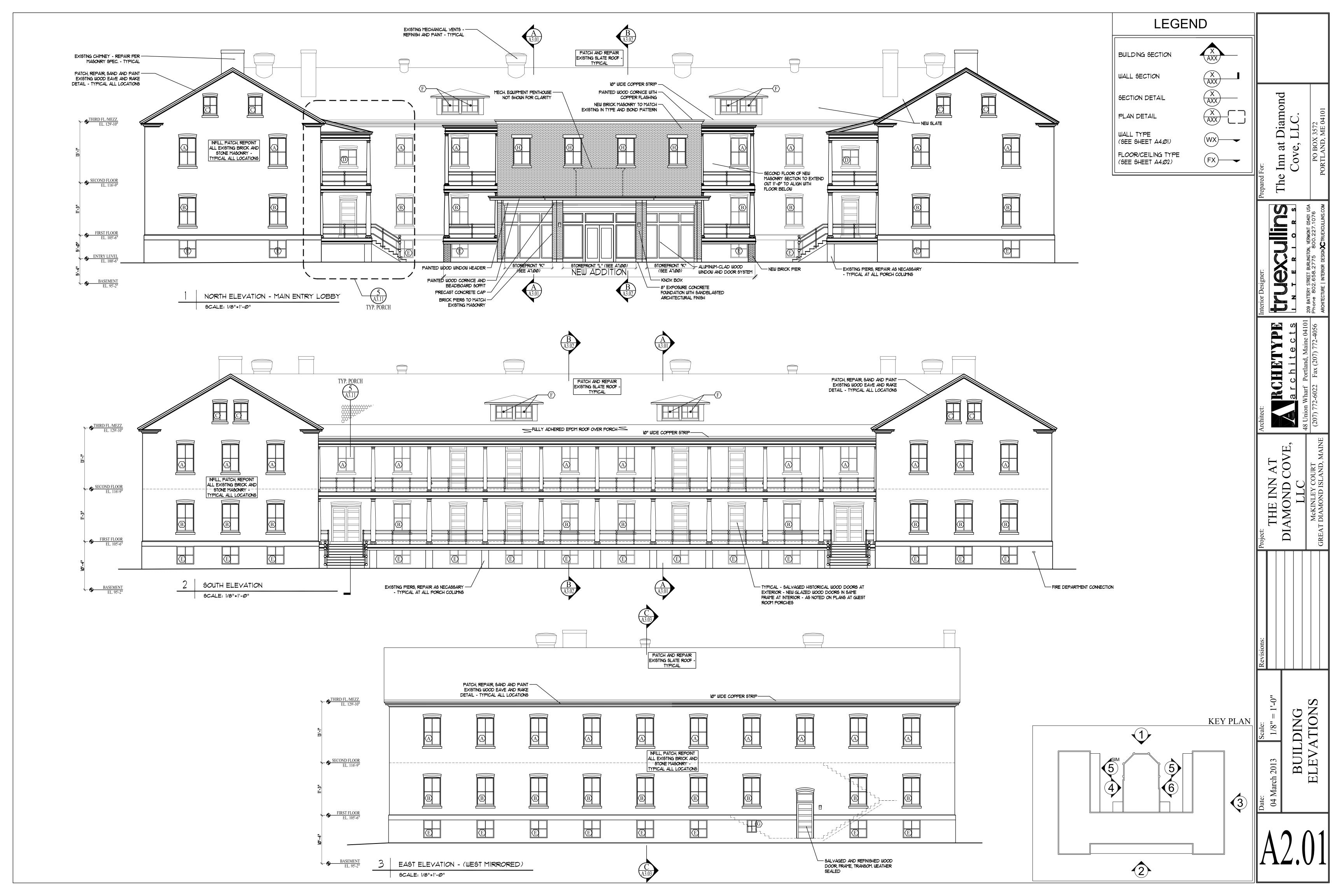
McKINLEY COURT

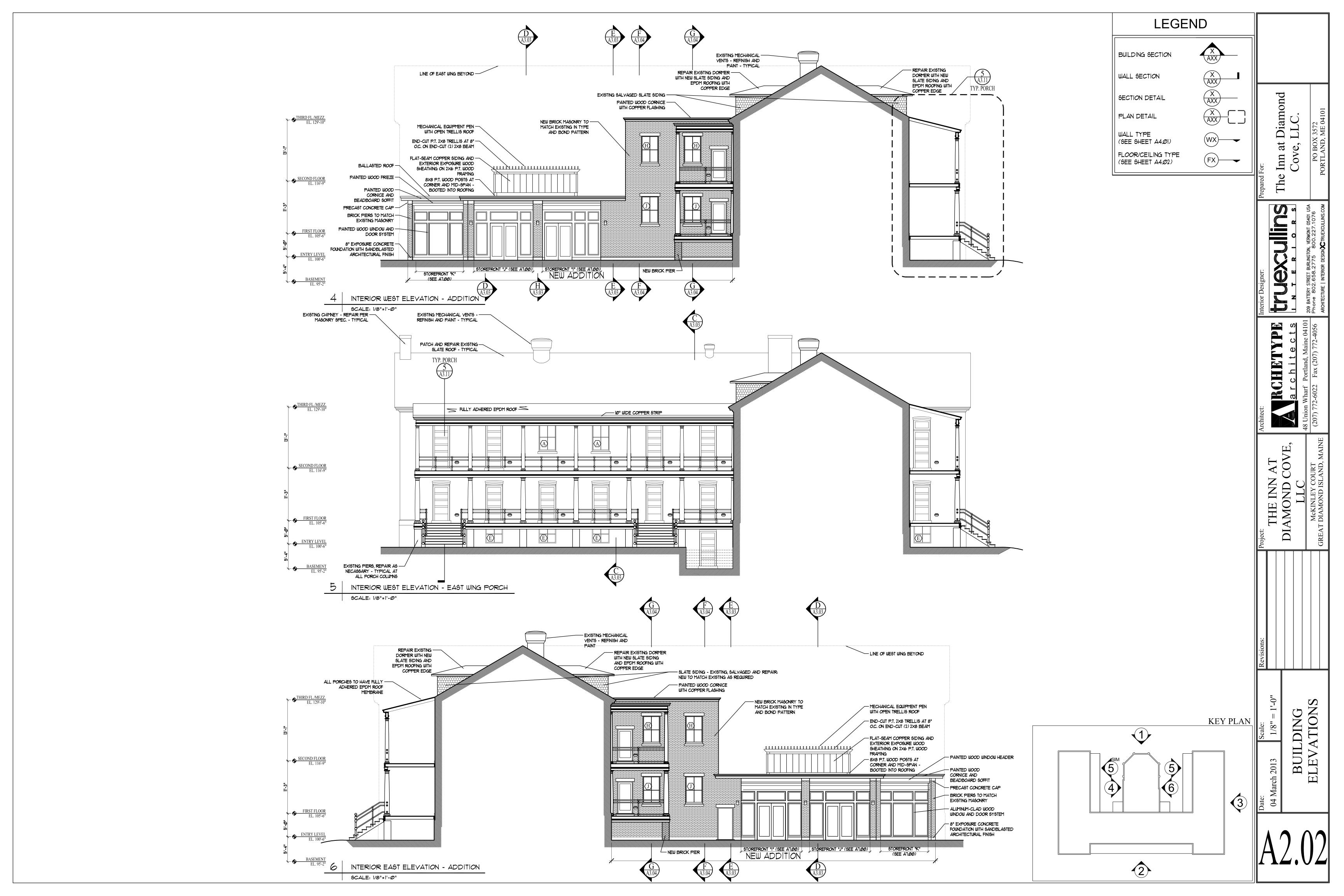
GREAT DIAMOND ISLAND, MAINE

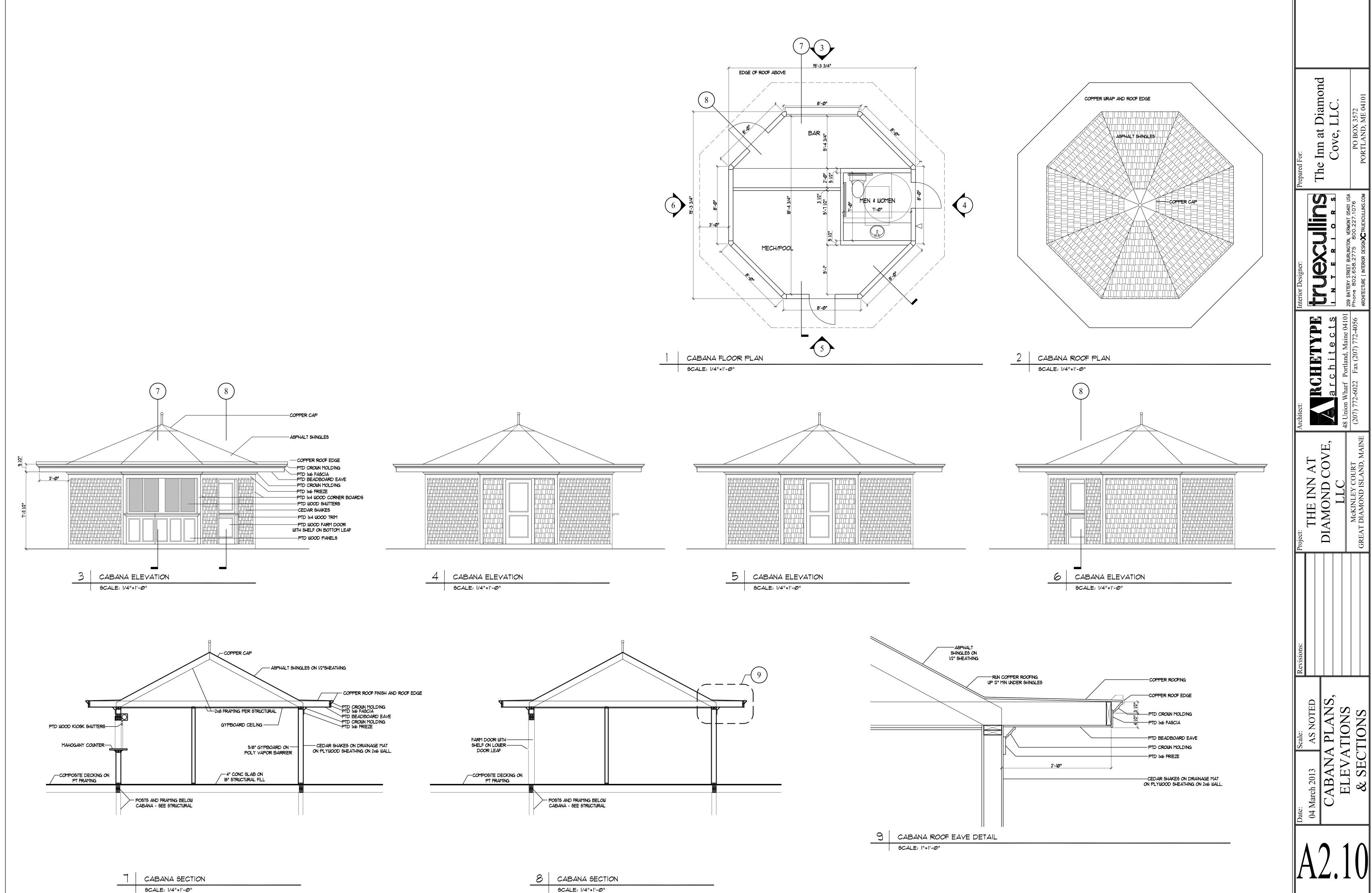
(207) 772-6022 Fax (

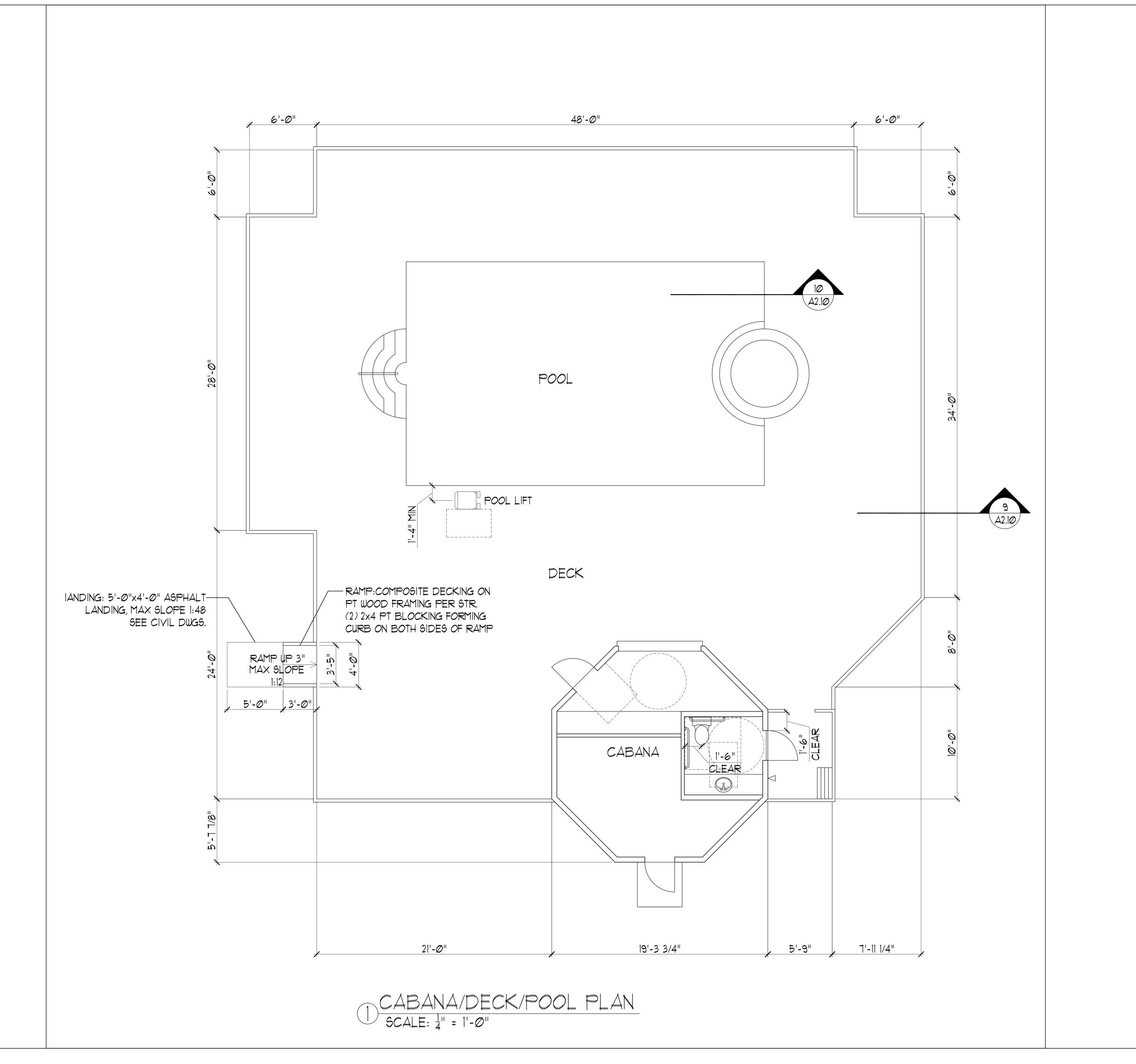
NOOF INVALOUE SOLD

A1.04



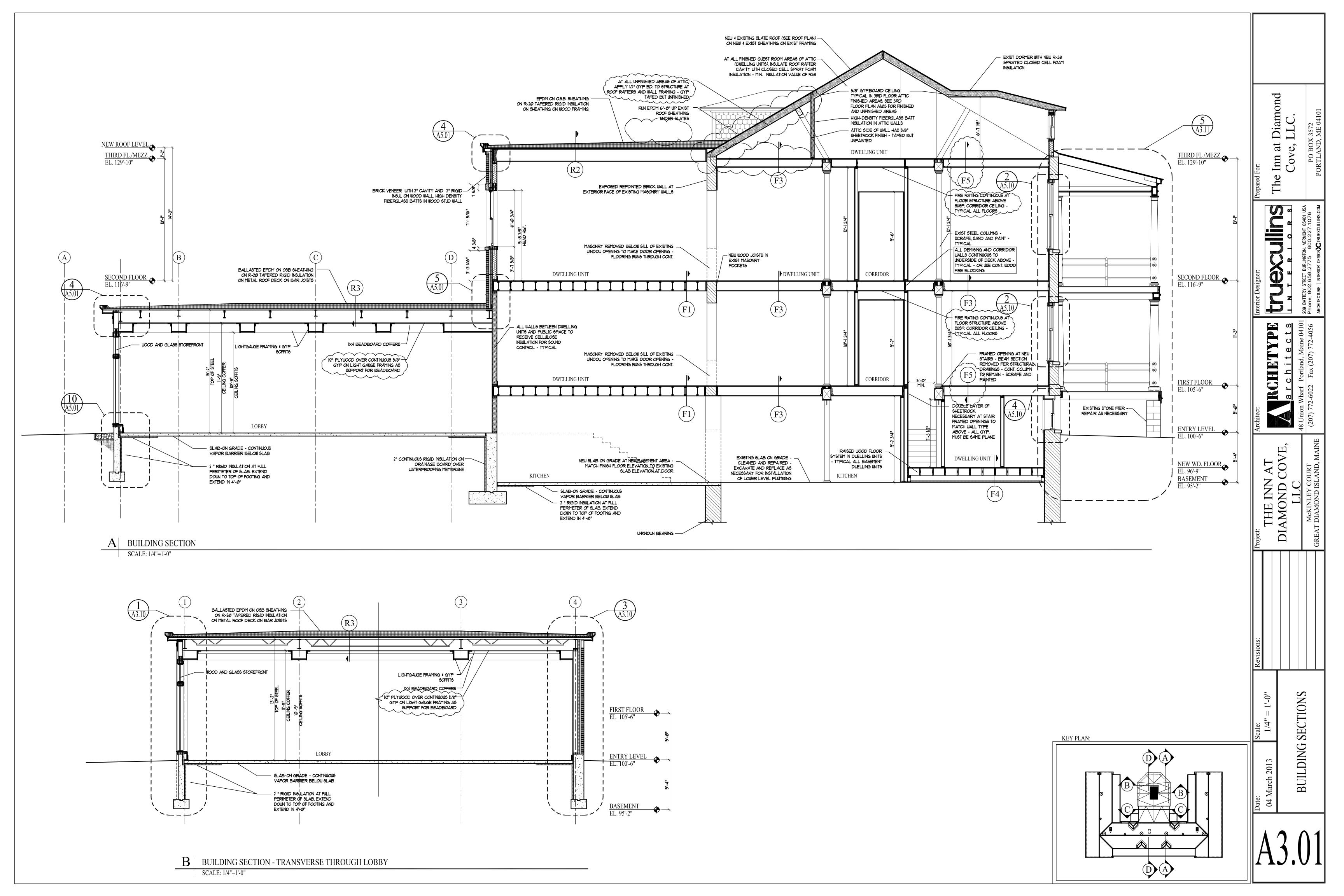


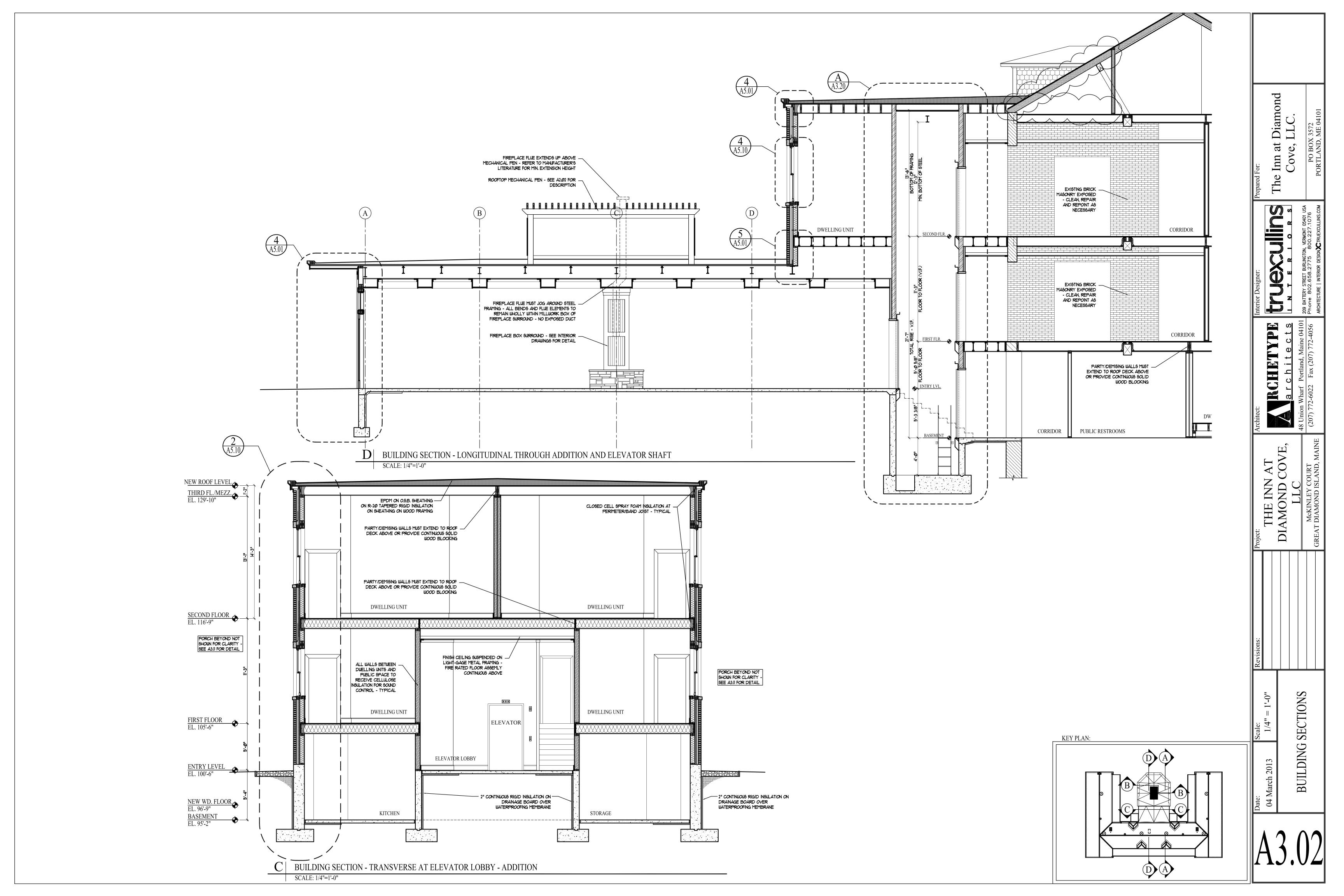


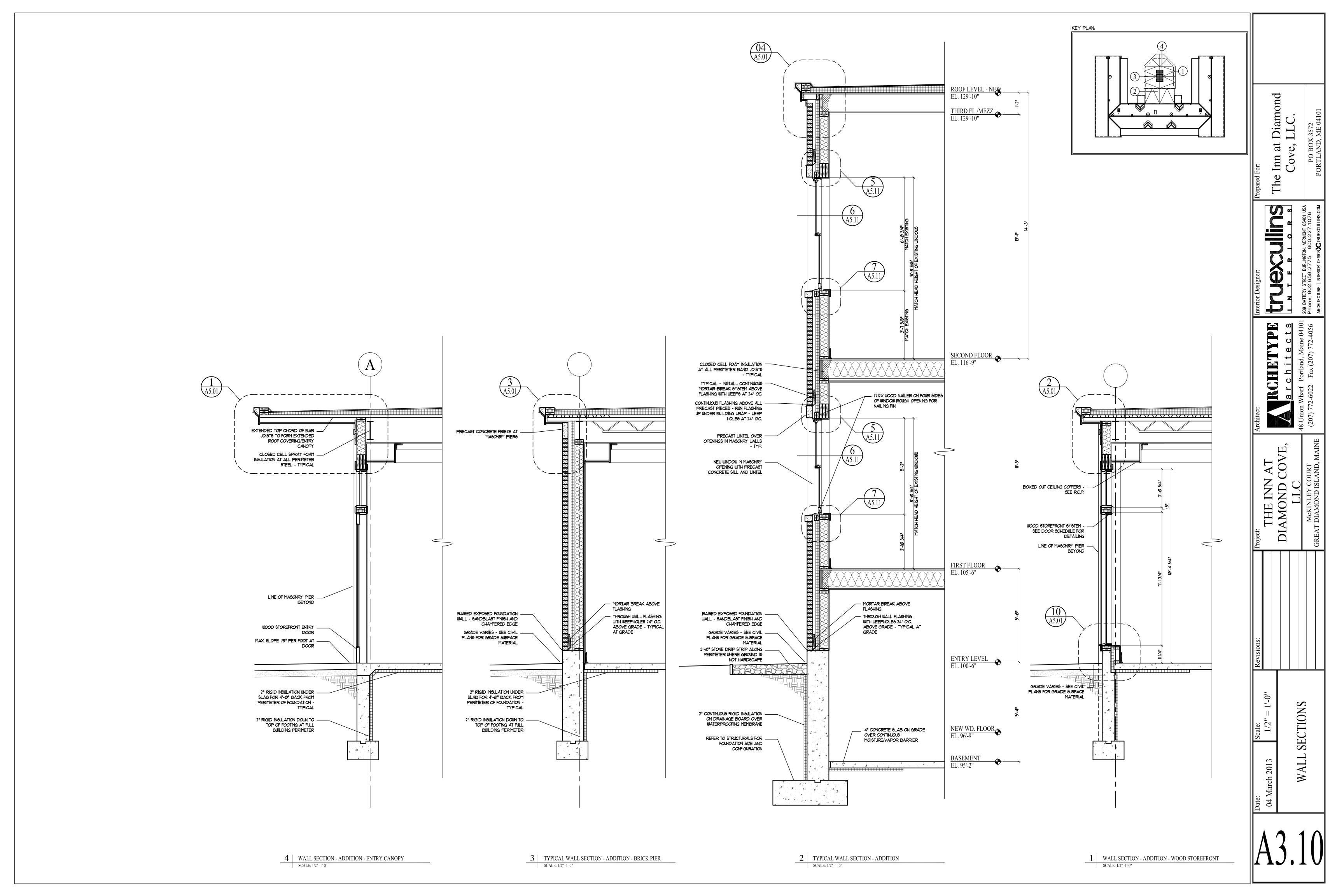


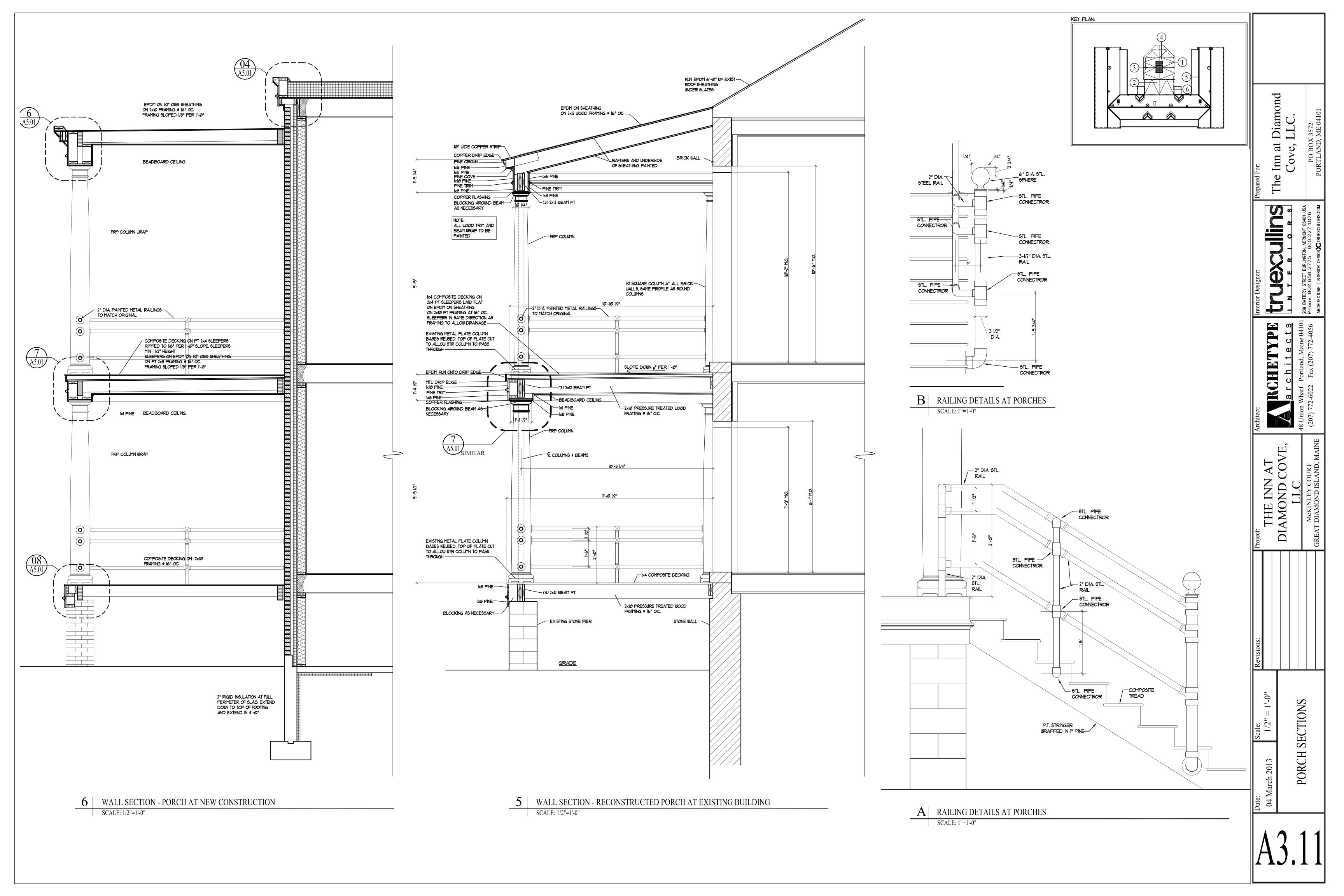
architects
Wharf Portland, Maine 04101
2-6022 Fax (207) 772-4056

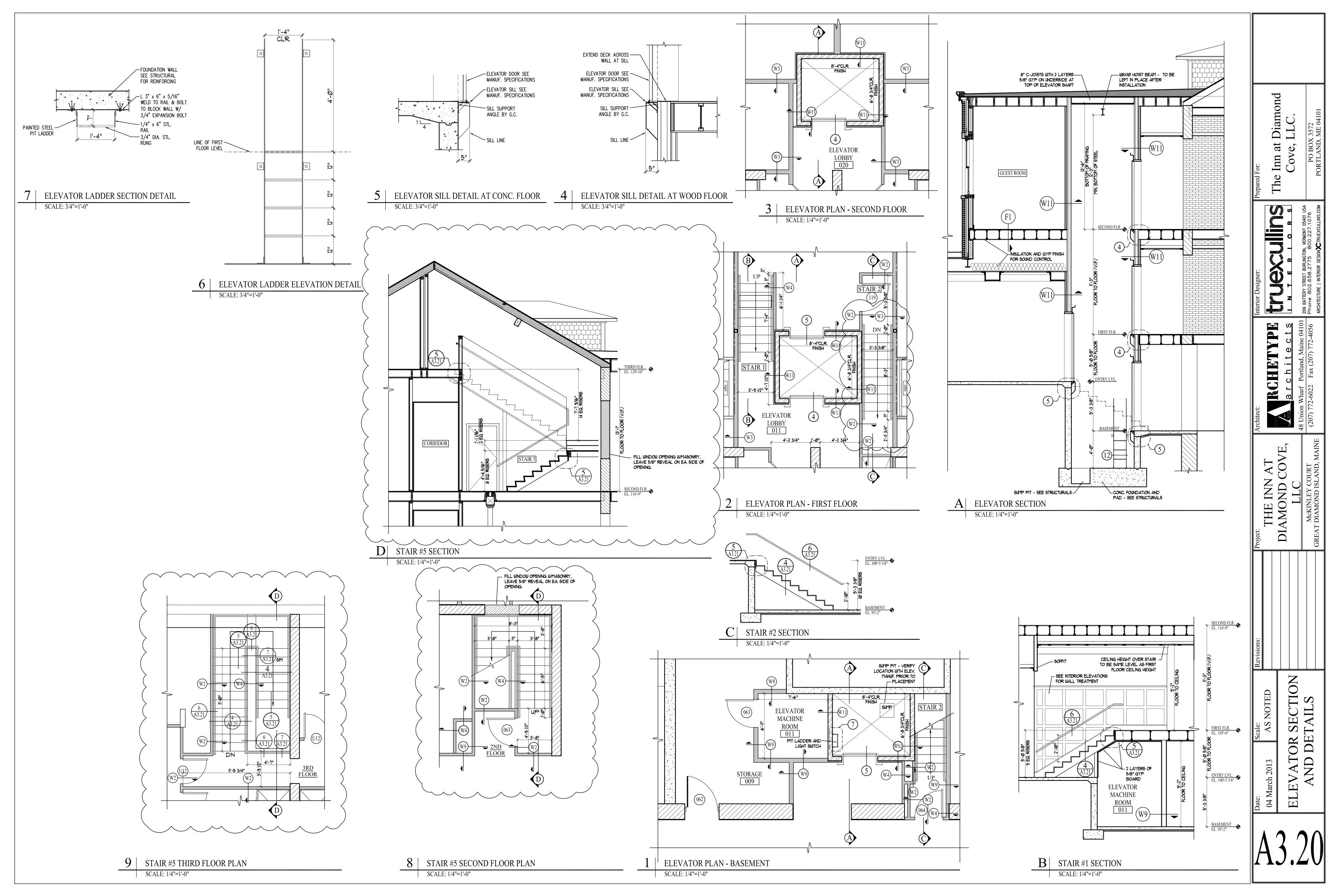
A2.11

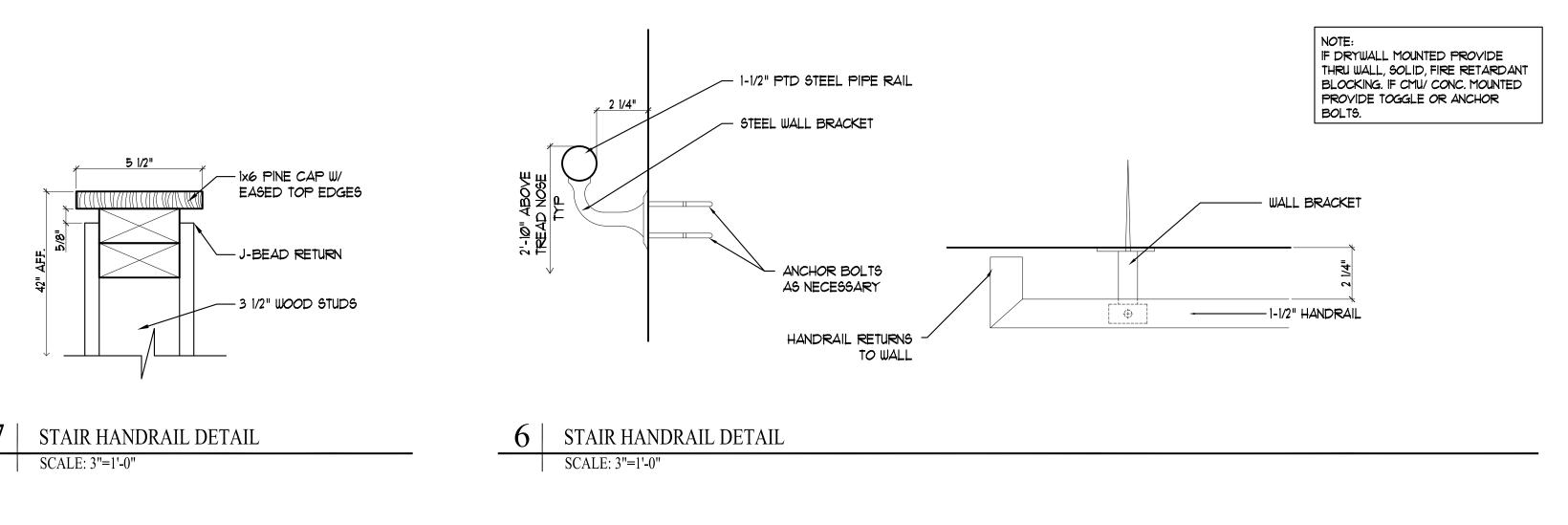


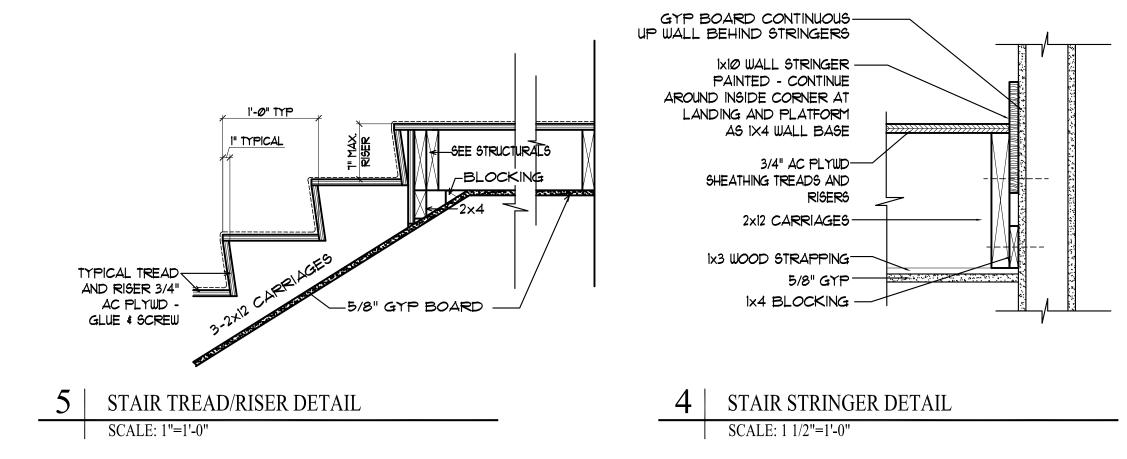


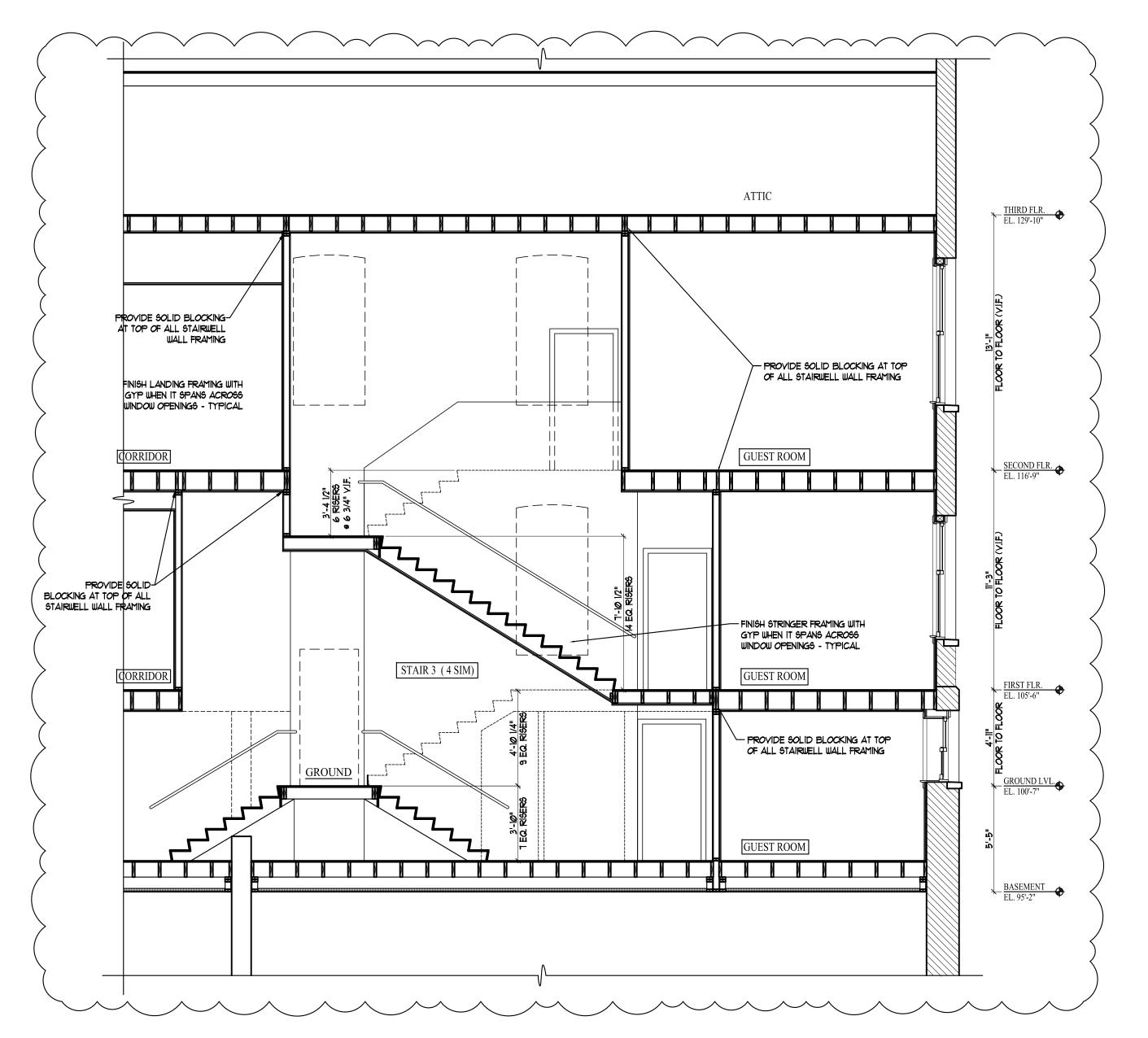


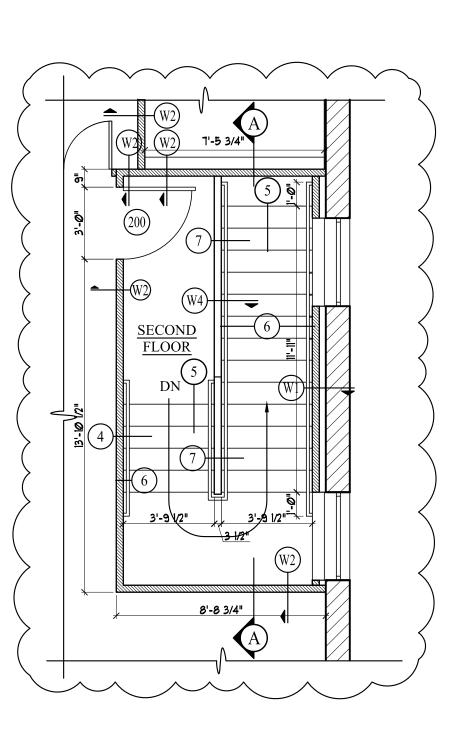


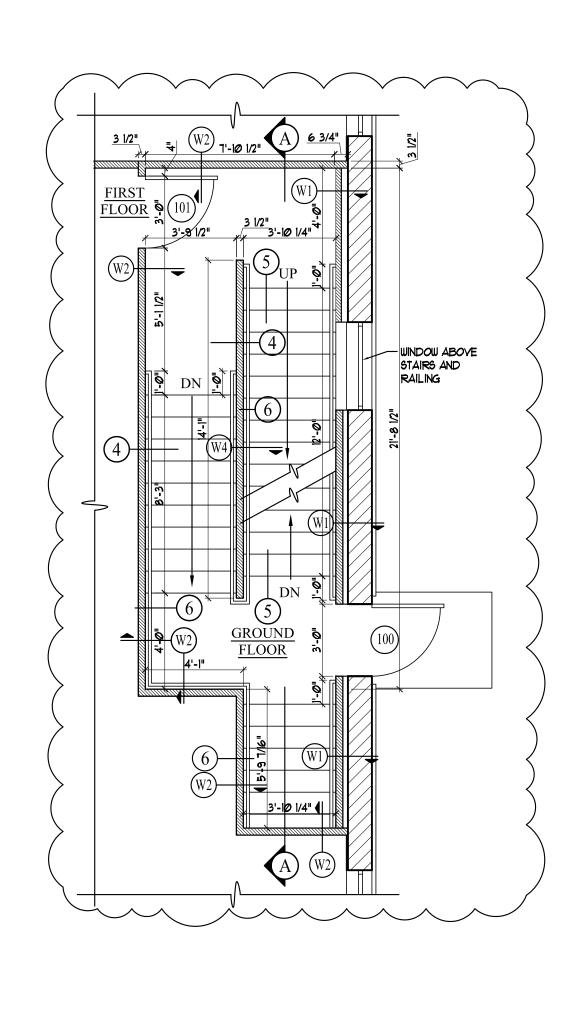


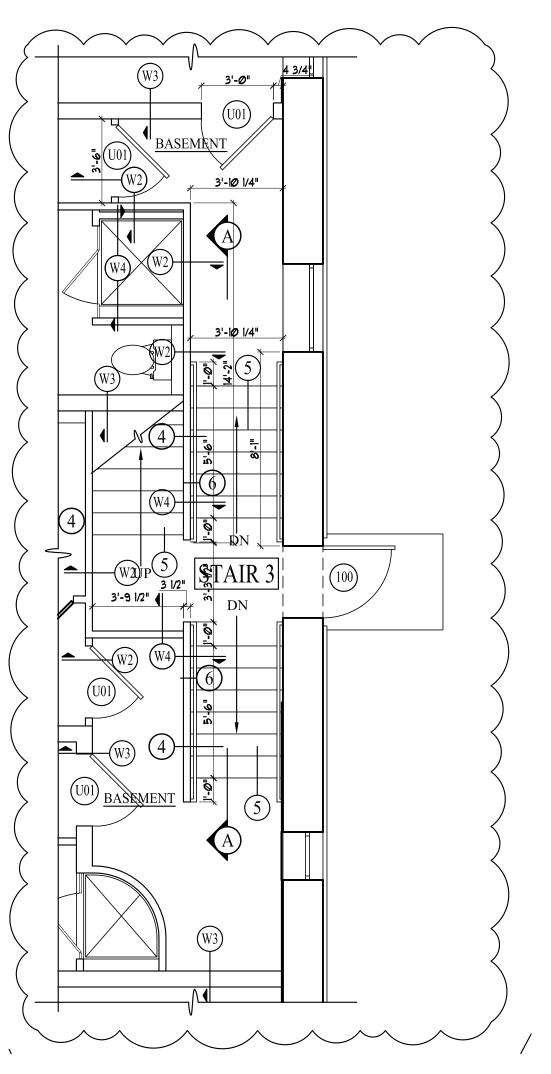












A STAIR 3 SECTION (STAIR 4 MIRRORED) SCALE: 1/4"=1'-0"

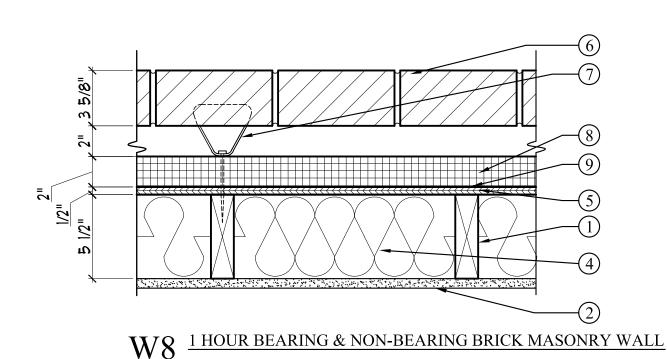
SCALE: 1/4"=1'-0"

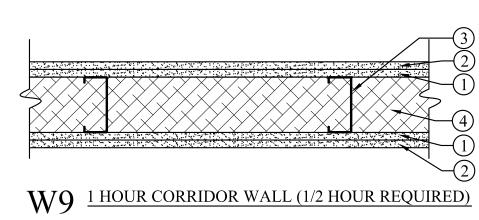
STAIR 3 SECOND FLOOR PLAN (STAIR 4 MIRRORED) 2 | STAIR 3 GROUND/FIRST FLOOR PLAN (STAIR 4 MIRRORED)

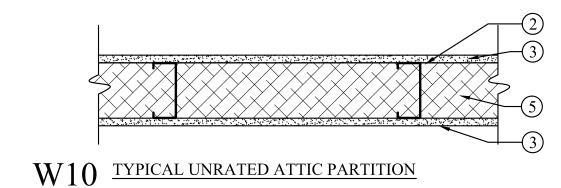
1 STAIR 3 BASEMENT/GROUND PLAN (STAIR 4 MIRRORED)

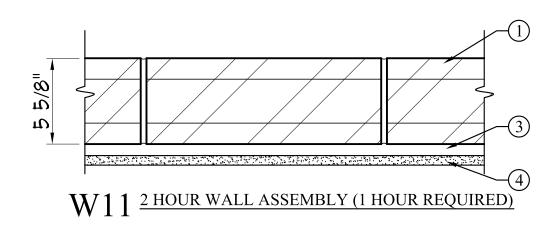
Inn at Diamond Cove, LLC.

WALL TYPES









W8 EXTERIOR BRICK VENEER WALL NO FIRE RATING REQUIRED

R-VALUE = 32

- 1. Wood Studs Nom 2 by 6 in. (SEE STRUCTURALS FOR SPACING) with two 2 by 6 in. top and one 2 by 6 in. bottom plates. Studs laterally-braced by wood structural panel sheathing (Item 5) and effectively fire stopped at top
- 2. Wallboard, Gypsum -- Any UL Classified 5/8 in. thick, 4 ft wide, applied vertically and nailed to studs and bearing plates 7 in. OC with 6d cement-coated nails, 1-7/8 in. long with 1/4 in. diam head.
- 3. Joints and Nailheads (Not Shown) -- Wallboard joints covered with tape and joint compound. Nail heads covered
- 4. **Insulation** -- $5\frac{1}{4}$ "High density Fiberglass Batts
- 5. Wood Structural Panel Sheathing -- Min 7/16 in. thick, 4 ft wide wood structural panels, min grade "C-D" or "Sheathing" . Installed with long dimension of sheet (strength axis) or face grain of plywood parallel with or perpendicular to studs. Vertical joints centered on studs. Horizontal joints backed with nom 2 by 6 in. wood blocking.
- Attached to studs on exterior side of wall with 6d cement coated box nails spaced 6 in. OC at perimeter of panels and 6. Brick Veneer – Any type of nom 4 in. wide brick veneer. When brick veneer is used, the rating is applicable with exposure on either face. Two in. air space provided between brick veneer and sheathing. (Stone Veneer used where
- 7. Stainless Steel Brick Ties Hohmann & Barnard, Inc. 2-Seal Concrete ties attached through insulation to studs.
- Ties spaced not more than each sixth course of brick and max 32 in. OC horizontally.
- 8. Insulation -- 2" Foil faced Polyisocyanurate rigid insulation. All joints between boards to be taped 9. Vapor/Air Barrier - Building wrap vapor/air barrier applied over wall sheathing. All seams taped in accordance

W9 1 HOUR CORRIDOR WALL ASSEMBLY

GA FILE NO. WP 1521 GENERIC 2 HOUR FIRE

55 to 59 STC SOUND Thickness: 55/8"

with manufacturer's instruction.

Approx. Weight: 9 psf Fire Test: See WP 1545

(UC, 9-7-64; ULC 80T499, 3-26-81, ULC Design W414)

Sound Test: NRCC 815-NV, 2-3-81

- GYPSUM WALLBOARD, STEEL STUDS 1. Base layer 1/2" type X gypsum wallboard or gypsum veneer base applied parallel to each
- side of steel studs. with 1" Type S drywall screws 24" o.c.
- type X gypsum wallboard or gypsum veneer base applied parallel to each side with 15/8" Type S drywall screws 12" o.c.
- Joints staggered 24" each layer and side.
- 3. **Studs -** 3 5/8" steel studs 24" o.c.*
- 4. **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.

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

* Sim 1 - 5 1/2" Studs

UNRATED PARTITION WALL ASSEMBLY

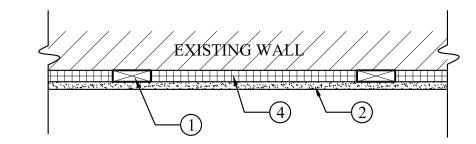
- 1. Floor and Ceiling Runners Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 25 MSG galv steel, 1-1/4 in. deep and 6 in. wide.
- 2. Steel Studs Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 25 MSG galv steel, min 3 5/8 in. wide by 1-5/8 in. deep with 3/8 in. folded back return flange legs.
- 3. Gypsum Board -- 5/8 in. thick, 4 ft wide, attached to wood studs with Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly 48 in. OC.
- 4. Joint Tape and Compound -- Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.
- 5. **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.

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

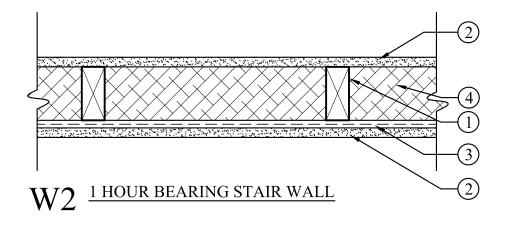
W11 BEARING/NON-BEARING CMU WALL 2-HOUR

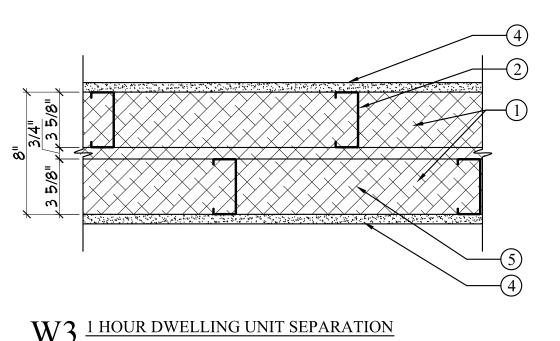
- 1. Concrete Blocks Nominal 6x8x16 inch, hollow, Classification D-2 (2 hr).
- 2. Mortar Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 2-1/4 and not more than 3-1/2 parts of clean sharp sand to 1 part Portland cement (proportioned by volume) and not more than 50 percent hydrated lime (by cement volume). Vertical joints staggered.
- 4. **Gypsum Board** 5/8 in. thick, 4 ft wide, attached to resilient channel with Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly 48 in. OC.

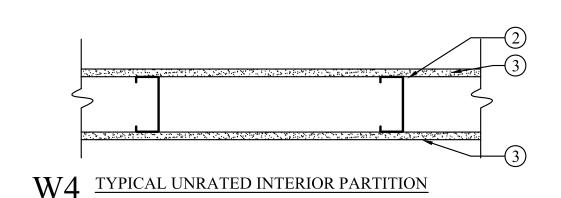
WALL TYPES

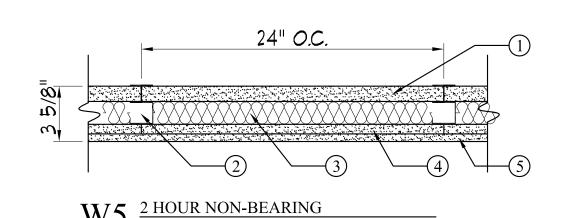


NRATED INSULATING WALL AT EXISTING EXTERIOR WALL









W1 INSULATING WALL AT EXISTING EXTERIOR BRICK WALL

NO FIRE RATING REQUIRED

1. Wood Strapping —Nom 1x3 Pressure Treated Wood Strapping.

2. Wallboard, Gypsum - Any UL Classified 5/8 in. thick, 4 ft wide. 3. Joints and Nailheads -- (Not Shown) -- Wallboard joints covered with tape and joint compound.

Nail heads covered with joint compound 4. **Insulation** -- 3/4" Thermax Insulation - Foil Faced

W2 1-HOUR BEARING WALL ASSEMBLY

G.A. FILE NO. WP3240 Fire Test: UL R1319-93, 94, 129; UL Des. U311

- 1. Wood Studs Nom 2 by 4 in. (SEE STRUCTURALS FOR SPACING) with two 2 by 4 in. top and one 2 by 4 in. bottom
- 2. Wallboard, Gypsum -- 5/8" proprietary type X gypsum wallboard applied parallel to channels with 1 1/4" Type W drywall screws 12" o.c. End joints backblocked with resilient channels. Vertical joints staggered 48" on opposite sides.
- 3. Resilient channels 24" o.c. attached at right angles to ONE SIDE of 2X6's with 1-1/4" Type S drywall screws.
 4. 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.

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

* SIM 1 - 5 1/2" Studs

W3 1 HOUR WALL ASSEMBLY - 60-64 STC DESIGN NUMBER U.L. U493 (G.A. File WP5006 PROPRIETARY 1 HOUR FIRE) STC RATING - 60-64 Sound Test: USG STC-050817, 8-11-05 Fire Test: UL R1319, 96NK31548, 10-21-96 UL Design U493

- 1. Floor and Ceiling Runners Channel shaped, attached to floor and ceiling in two rows, a min 3/4 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 25
- MSG galv steel, 1-1/4 in. deep and 3-5/8 in. wide. 2. Steel Studs — Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 25 MSG galv steel, min 3-5/8 in. wide by 1-5/8 in. deep with 3/8 in. folded back return flange
- 3. Lateral Bracing (Not shown) Right angle- shaped, supplied with notches spaced 12, 16, or 24 in. OC., friction-fitted to the cutouts in steel studs, supplied in 7/8 in. by 7/8 in. by 50 in. lengths. Lateral bracing bars fabricated from min. 20 MSG galvanized steel. The bracing shall meet the 1996 Edition of the American Iron and Steel Institute (AISI) 'Specification for the Design of Cold-Formed Steel Structural Members.
- 4. Gypsum Board Nom 5/8 in. thick, 4 ft. wide, gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Single layer installed on each side of the steel studs. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Horizontal edge joints and horizontal butt joints need not be backed by framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Panels attached to steel studs and floor runner with 1 in. long Type S steel screws spaced 8 in. OC when applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when applied vertically. When used in widths other than 48 in., gypsum panels to be installed horizontally. United States Gypsum Company - 5/8" SHEETROCK® Brand FIRECODE® Core Gypsum Panels
- Fiber, Sprayed (ADDED) 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.
- **6. Joint Tape and Compound** (Not Shown) Outer layer joints covered with joint compound and paper or mesh tape. Screw heads covered with joint compound. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.
- **Mesh Netting** (Not shown) Any thin, woven or non-woven fibrous netting material attached with staples to the outer face of one row of studs to facilitate the installation of the sprayed fiber from the opposite row.

NOTE:

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

W4 UNRATED PARTITION WALL ASSEMBLY

- 1. Floor and Ceiling Runners Channel shaped, attached to floor and ceiling in two rows, a min 1 in. apart, with steel fasteners spaced 24 in. OC. Runners fabricated from min No. 25 MSG galv steel, 1-1/4 in. deep and 6 in. wide.
- 2. Steel Studs Channel shaped, supplied with cutouts, friction -fitted into floor and ceiling runners and spaced a max 24 in. OC. Studs cut 1/2 in. less than assembly height and evenly staggered between the two rows of floor and ceiling runners. Studs fabricated from min No. 25 MSG galv steel, min 3 5/8 in. wide by 1-5/8 in. deep with 3/8 in. folded back return flange legs.*
- **3. Gypsum Board --** 5/8 in. thick, 4 ft wide, attached to wood studs with Type S steel screws spaced 8 in. OC. along edges of board and 12 in. OC in the field of the board. Joints oriented vertically and staggered on opposite sides of the assembly 48 in. OC.*
- 4. Joint Tape and Compound -- Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, 2 in. wide, embedded in first layer of compound over all joints. As an alternate, nominal 3/32 in. thick gypsum veneer plaster may be applied to the entire surface of Classified veneer baseboard. Joints reinforced. Paper tape and joint compound may be omitted when gypsum boards are supplied with square edges.

* SIM 1 - 5 1/2" Studs.

SIM 2 - Fiber Reinforced Panel - Tag side only. No Gypsum either side.

SIM 3 - 1 Hour Rated - UL DES U465 - Fiber Reinf. Panel - Tag side only. 5/8" Gypsum both sides. SIM 4 - 3 1/2" FG sound attenuating batt insulation.

W5 2 HR NON-BEARING SHAFT WALL ASSEMBLY 45 to 49 STC G.A. FILE NO. WP7083

Fire Test: WHI 495-0569, 11-4-83; 495-0570, 11-7-83 Sound Test: WEAL 84-108, 3-16-84

1. One layer 1" x 24" proprietary type X gypsum panels

2. Gypsum inserted between 2-1/2" floor and ceiling J runners with H section of 2-1/2" 20 gage proprietary vented C-H steel studs between panels.

3. 1-1/2" mineral fiber insulation in stud space.

4. Base layer 5/8" proprietary type X gypsum wallboard applied parallel to studs with 1" long Type S-12 drywall screws 24" o.c.

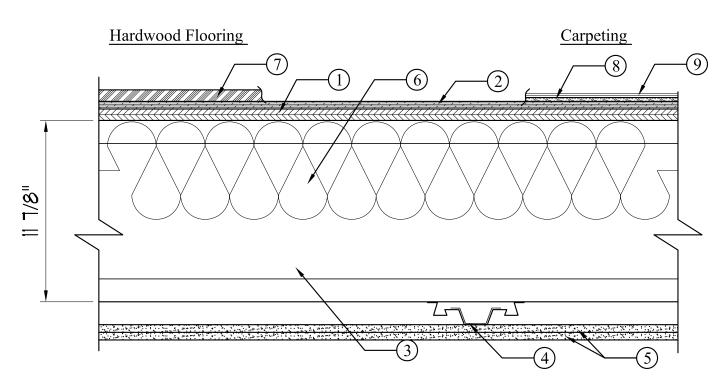
5. Face layer 1/2" proprietary cementitious backer units applied parallel or at right angles to studs with 1-5/8" long Type S-12 wafer head screws spaced 8" o.c. and 4" wide strips of ANSI A136.1 Type 'i' organic adhesive midway between studs applied using a 1/4" notched trowel. Joints offset from base layer joints.

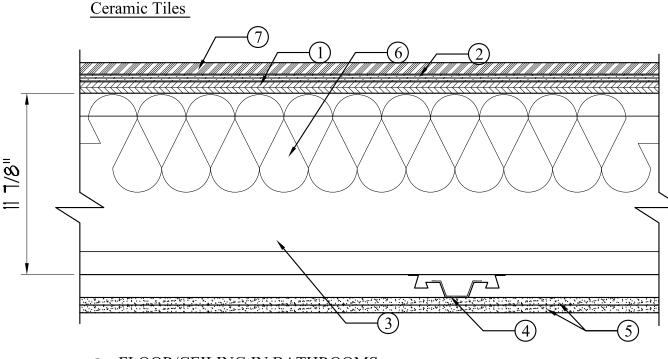
PROPRIETARY GYPSUM BOARD

- United States Gypsum Company - 5/8" 'SHEETROCK' Brand Gypsum Panels, 'FIRECODE' Core

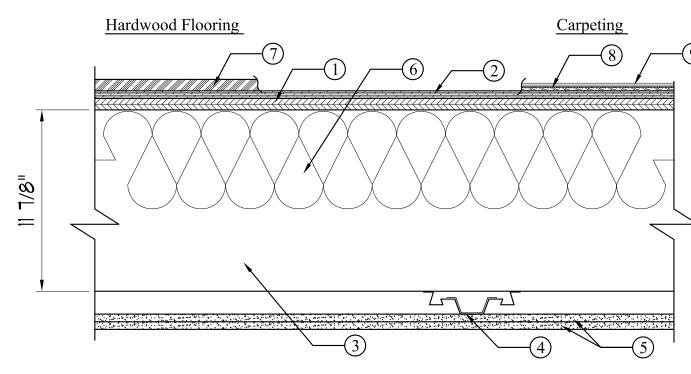
- 1" 'SHEETROCK' Brand Gypsum Liner Panels

FLOOR/CEILING

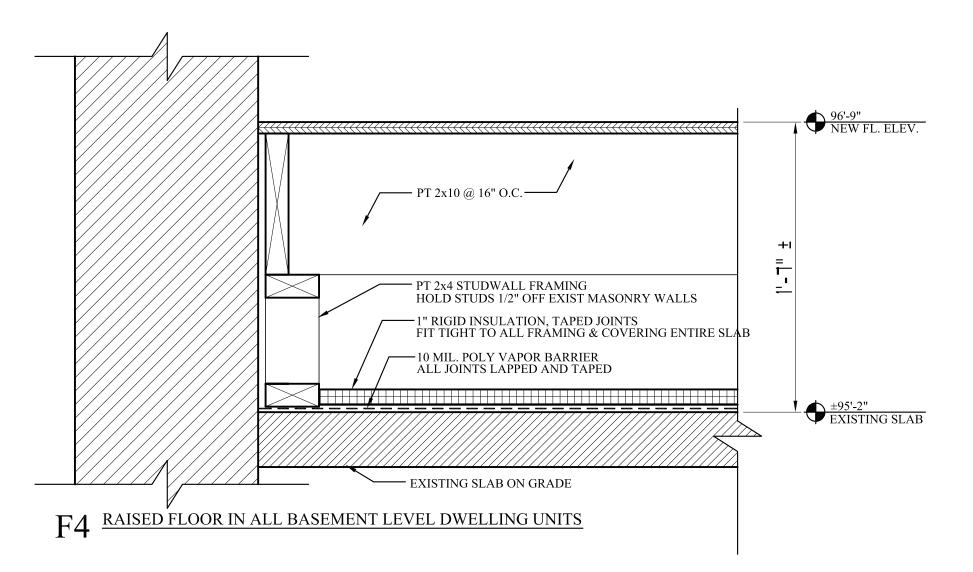




 $F2^{\frac{FLOOR/CEILING\ IN\ BATHROOMS}{}}$



F3 FLOOR/CEILING IN EXISTING BUILDING



F1 FLOOR / CEILING ASSEMBLY DESIGN NUMBER U.L. L521

(STC 60 - IIC 57 at hardwood floors) Riverbank Acoustical

Laboratory RAL-TL09-350 and RAL-IN09-053

1. **Subflooring** –Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

2. Sound Isolating Mat— Bonded recycled rubber mat KINETICS NOISE CONTROL - Kinetics 3mm Isolayment BR

3. Wood Joists – 11 7/8" I-joists, 24" o.c. with 1-1/4" Type W drywall screws. 4. Ceiling Hangers – 20 gauge roll-formed hat channel 0.875 in deep by 2.5 in wide mounted to Kinetics WAVE Acoustical Leaf Spring Ceiling Hangers spaced at 24 in. by 48 in. center to center and fastened to joists with (2) $10x1\frac{1}{2}$ in. Round Washer Recex Lo Root screws measuring 1.5 in. long. Wave hangers installed parallel to joists to accommodate hat channels perpendicular to

5. **Gypsum Board** – 2 Layers Nom 5/8 in. thick, 48 in. wide gypsum panels attached to the hat channels. Base layer gypsum panels secured with 1 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Face layer gypsum panels secured with 1 5/8 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Joints treated with

paper tape embedded in all-purpose joint compound and screw heads covered with compound. 6. Insulation (ADDED)-- 6.25 in. Fiberglass batt insulation stapled into upper section of cavity.

AT HARDWOOD FLOORS:

7. 3/4" Tongue and Groove Hardwood flooring.

AT CARPETED AREAS: 8. Carpet Pad

Carpet

FLOOR / CEILING ASSEMBLY DESIGN NUMBER U.L. L521

1 HR RATED

(STC 60 - IIC 57 at hardwood floors) Riverbank Acoustical Laboratory RAL-TL09-350 and RAL-IN09-053

1. **Subflooring** –Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails. 2. Sound Isolating Mat— Bonded recycled rubber mat

KINETICS NOISE CONTROL - Kinetics 3mm Isolayment HB

3. Wood Joists – 11 7/8" I-joists, 24" o.c. with 1-1/4" Type W drywall screws. 4. Ceiling Hangers – 20 gauge roll-formed hat channel 0.875 in deep by 2.5 in wide mounted to Kinetics WAVE Acoustical Leaf Spring Ceiling Hangers spaced at 24 in. by 48 in. center to center and fastened to joists with (2) $10x1\frac{1}{2}$ in. Round Washer Recex Lo Root screws measuring 1.5 in. long. Wave hangers installed parallel to joists to accommodate hat channels perpendicular to

5. **Gypsum Board** – 2 Layers Nom 5/8 in. thick, 48 in. wide gypsum panels attached to the hat channels. Base layer gypsum panels secured with 1 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Face layer gypsum panels secured with 1 5/8 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Joints treated with paper tape embedded in all-purpose joint compound and screw heads covered with compound.

6. Însulation (ADDED)-- 6.25 in. Fiberglass batt insulation stapled into upper section of cavity. 7. Ceramic Tiles at bathrooms.

F3 FLOOR / CEILING ASSEMBLY

1 HR RATED

(STC 60 - IIC 57 at hardwood floors) Riverbank Acoustical Laboratory RAL-TL09-350 and RAL-IN09-053

1. Subflooring –Existing 3/4" Wood subflooring or New Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails, spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

2. **Sound Isolating Mat**— Bonded recycled rubber mat KINETICS NOISE CONTROL - Kinetics 3mm Isolayment BR

3. Wood Joists – Exist 11 7/8"x 2" wood joists or New 2x12 wood joists @ 16" o.c.

4. Ceiling Hangers – 20 gauge roll-formed hat channel 0.875 in deep by 2.5 in wide mounted to Kinetics WAVE Acoustical Leaf Spring Ceiling Hangers spaced at 24 in. by 48 in. center to center and fastened to joists with (2) $10x1\frac{1}{2}$ in. Round Washer Recex Lo Root screws measuring 1.5 in. long. Wave hangers installed parallel to joists to accommodate hat channels perpendicular to

5. **Gypsum Board** – 2 Layers Nom 5/8 in. thick, 48 in. wide gypsum panels attached to the hat channels. Base layer gypsum panels secured with 1 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Face layer gypsum panels secured with 1 5/8 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Joints treated with

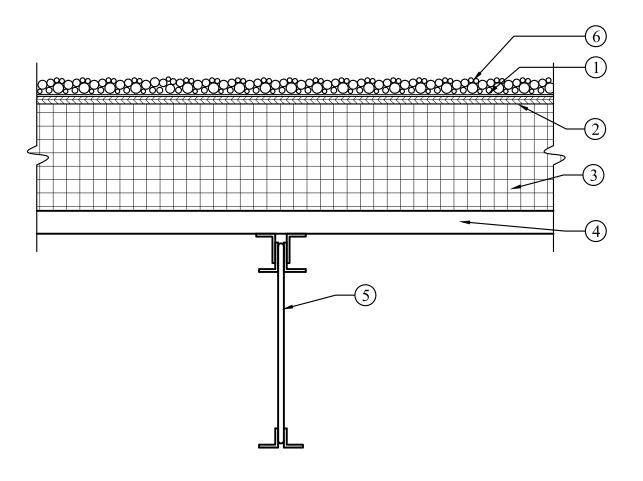
paper tape embedded in all-purpose joint compound and screw heads covered with compound. 6. Insulation (ADDED)-- 6.25 in. Fiberglass batt insulation stapled into upper section of cavity.

AT HARDWOOD FLOORS:

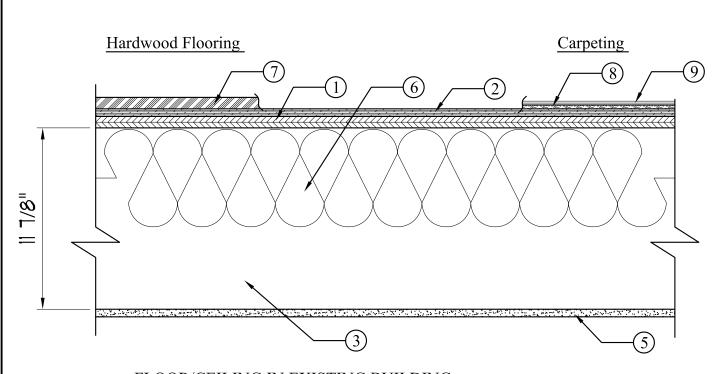
7. 3/4" Tongue and Groove Hardwood flooring.

AT CARPETED AREAS: Carpet Pad

ROOF



R3 UNRATED ROOF ASSEMBLY



F5 FLOOR/CEILING IN EXISTING BUILDING

—2 LAYERS 5/8" GYPBOARD

1 HOUR RATED STAIRSHAFT CAP AND TRASHROOM & ELEV MECH RM CEILING

EXIST 1 7/8" x 9 5/8" JOISTS

R1 ROOF/CEILING ASSEMBLY RATING

No fire rating required

1. 1/2" type X gypsum wallboard applied at right angles to resilient channels 2. Resilient channels 16" o.c. with 1-1/4" Type S drywall screws 12" o.c. Resilient

channels applied at right angles to minimum wood I-joists 3. 11-7/8" I-joists, with minimum 1-1/4" deep x 1-1/2" wide flanges and minimum 3/8" webs, 24" o.c. with 1-1/4" Type W drywall screws.

base layer with 1-1/2" Type G screws 12" o.c. Edge joints offset 24" from base layer

5. 3/4" OSB, T&G, applied at right angles to I joists with 8d common nails 12", o.c.

6. Tapered ISO 7. 1/2" O.S.B.

8. .060" EPDM fully adhered roof membrane

R2 ROOF/CEILING ASSEMBLY RATING

3. **2X12's**

R3 UNRATED ROOF ASSEMBLY

1. **Roof Covering** – .045" EPDM fully adhered roof membrane.

2. Roof Protection Board -- 1/2" O.S.B..

3. **Insulation --** Six inches isocyanurate rigid insulation to accomplish R-Value of 38. 4. **Roof Deck --** 20 guage by 1 1/2" Type B steel deck. 5. Bar Joists – Steel bar joists. SEE STRUCTURALS FOR DEPTH AND LAYOUT.

6. **Ballast** – Nominal 1-1/2" rounded water worn gravel. SEE SPECIFICATIONS FOR GRAVEL GRADATION.

F5 FLOOR / CEILING ASSEMBLY WITHIN GUEST ROOMS DESIGN NUMBER U.L. L583

1. Subflooring -Existing 3/4" Wood subflooring or New Nom 23/32 in. thick wood structural panels installed perpendicular to trusses with end joints staggered. Plywood or panels secured to trusses with construction adhesive and No. 6d ringed shank nails spaced 12 in. OC along each truss. Staples having equal or greater withdrawal and lateral resistance strength may be substituted for the 6d nails.

2. **Sound Isolating Mat**— Bonded recycled rubber mat

KINETICS NOISE CONTROL - Kinetics 3mm Isolayment BR

3. Wood Joists -- Exist 11 7/8"x 2" wood joists or New 2x12 wood joists @ 16" o.c. 4. OMIT GENIE CLIPS WITHIN SAME UNIT - Ceiling Hangers -- 20 gauge roll-formed hat channel 0.875 in deep by 2.5 in wide mounted to Kinetics WAVE Acoustical Leaf Spring Ceiling Hangers spaced at 24 in. by 48 in. center to center and fastened to joists with (2) 10x1½ in. Round Washer Recex Lo Root screws measuring 1.5 in. long. Wave hangers installed

5. **Gypsum Board** — Single Layer 5/8 in. thick, 48 in. wide gypsum panels attached directly to structure. Gypsum panels secured with 1 in. long Type S screws spaced 12 in.in the field and at 8 in. OC at the butt joints. Joints treated with paper tape embedde in all-purpose joint compound and screw heads covered with compound.

6. Insulation (ADDED)-- 6.25 in. Fiberglass batt insulation stapled into upper section of cavity.

AT HARDWOOD FLOORS: 7. 3/4" Tongue and Groove Hardwood flooring.

AT CARPETED AREAS:

Carpet Pad

Carpet

35 to 39 STC SOUND Approx. Ceiling Weight: 5 psf

Fire Test: FM FC 172, 2-25-72; Sound Test: Estimated WOOD JOISTS, GYPSUM WALLBOARD

Base layer 5/8" type X gypsum wallboard applied at right angles to 2×10 wood joists 24" o.c. with 11/4" Type W or S drywall screws 24" o.c. Face layer 5/8" type X gypsum wallboard or gypsum veneer base applied at right angles to joists with 1 7/8" Type W or S drywall screws 12" o.c. at joints and intermediate joists and 1 1/2" Type G drywall screws 12" o.e. placed 2" back on either side of end joints. Joints offset 24" from base

layer joints. Wood joists supporting 1/2" plywood with exterior glue applied at right angles

to joists with 8d nails. Ceiling provides one hour fire resistance protection for

C1 ROOF/CEILING ASSEMBLY 1 HOUR RATING GA FILE NO. FC 5406 GENERIC 1 HOUR FIRE