The Amin Residence

Lot 18 Channel View Terrace Meadowville Landing Chesterfield, Virginia

GENERAL NUIES:

- 1. EXTERIOR DIMENSION IS EQUIVALENT TO STUD DIMENSION (I.E. 2X4= 3½") PLUS ½"SHEATHING.
- 2. INTERIOR WALL DIMENSIONS EQUAL $3\frac{1}{2}$ UNLESS NOTED OTHERWISE.
- 3. ALL CHASE AND FLOOR OPENINGS TO BE FIRESTOPPED.
- 4. PROVIDE SOUND INSULATION AT ALL BATH WALLS AND AS INDICATED ON PLANS.
- 5. GARAGE WALLS AND CEILINGS REQUIRE $\frac{5}{8}$ " TYPE "X" GPDW WHEN ABUTTING A LIVING SPACE.
- 6. PROVIDE TEMPERED GLASS AT ALL WINDOW UNITS ABOVE TUBS AND WITHIN 24" OF DOOR OPENINGS.

FOUNDATION NOTES:

FOUNDATION SIZES ARE BASED ON SOIL BEARING CAPACITY OF 2000 PSF UNLESS NOTED OTHERWISE. CONTRACTOR IS TO VERIFY THAT SOIL IS CAPABLE OF SUSTAINING THIS LOAD.

- 2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY WITH ARCHITECT/ ENGINEER OF RECORD THAT THE FOUNDATION DESIGN, AS SHOWN AND DETAILED, CONFORMS TO THE ACTUAL SITE TOPOGRAPHICAL CONDITIONS. ANY DISCREPENCIES SHALL BE REPORTED TO THE ARCHITECT/ ENGINEER FOR REDESIGN
- 3. PROVIDE CRAWL SPACE DRAINAGE WHERE STANDING WATER IS PRESENT.
- 4. PROVIDE 4" PERFORATED DRAIN TILE ON UPHILL SIDE OF LOT AND RUN TO NATURAL OUTFALL.
- 5. PROVIDE DAMP PROOFING AND RIGID PROTECTION BOARD AT ALL BASEMENT WALLS. PROVIDE 12" MINIMUM THICKNESS OF CLEAN, POROUS FILL ADJACENT TO WALL SURFACE.
- 6. BACKFILL SHALL BE FREE OF CONTAMINATES. WALL MUST BE PROPERLY BRACED BEFORE BACKFILLING.

DESIGN LOADS:

LIVE- 20 PSF DEAD- 10 PSF

LIVE- 30 PSF (STORAGE)

20 PSF (LIMITED STORAGE)

10 PSF (NO STORAGE)

LIVE- 30 PSF (SLEEPING AREAS)

40 PSF (ALL OTHERS) DEAD- 10 PSF

BALCONIES: LIVE- 60 PSF (UNDER 100 S.F., OR 100 PSF OVER 100 S.F.)

LIVE- 60 PSF (UNDER 100 S.F., OR 100 PSF OVER 100 S.F.)

DEAD- 10 PSF

90 MPH (24 PSI)

TWO STORY WALL DESIGN:

FOR ALL TWO STORY WALL CONDITIONS, FRAMING SHALL CONSIST OF:

- 2X6 WALL FRAMING @ 16" O.C. MAX. - (3) 2X6 FULL HEIGHT STUDS AT INTERMEDIATE FRAMING AND EACH END OF OPENINGS - 2X10 BOXED HEADER OR (3) 2X10 SOLID, UNLESS NOTED OTHERWISE - BLOCKING @ 24" O.C. HORIZONTALLY - OSB/ PLYWOOD EXTERIOR WALL SHEATHING

STRUCTURAL/ FRAMING NOTES:

- THE GENERAL CONTRACTOR/BUILDER SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL NATIONAL, STATE, AND LOCAL BUILDING CODES/ REGULATIONS.
- 2. UNLESS NOTED OTHERWISE, STRUCTURAL MEMBERS ARE BASED ON THE FOLLOWING CHARACTERISTICS:
 - A. WOOD- Fb= 1200 PSI; Errod= 1.6 X 10-6 PSI B. MICROLAM MEMBERS- ENGINEERED LUMBER W/ Fb= 2800 PSI; Errod= 1.9X 10-6 PSI
- 3. PROVIDE DOUBLE JOISTS UNDER ALL NON-LOAD BEARING PARTITIONS PARALLEL TO THE SPAN OF THE FLOOR JOISTS.
- 4. DO NOT CUT FRAMING MEMBERS FOR PLUMBING, ELECTRICAL, OR MECHANICAL WITHOUT REINFORCING THE MEMBER TO ITS ORIGINAL CAPACITY OR AS ALLOWED BY APPLICABLE BUILDING CODES.

5. LUMBER FOR 2X4 AND 2X6 STUDS SHALL BE STUD GRADE SPRUCE-PINE-FIR, OR EQUAL, UNLESS NOTED OTHERWISE.

- 6. STUD WALLS SUPPORTING TWO FLOORS, CEILING, AND ROOF LOADS SHALL BE 2X6 AT 16" ON CENTER; ALL OTHER WALLS TO BE 2X4 WALLS AT 16" ON CENTER, UNLESS NOTED OTHERWISE. STUD WALLS UP TO 10'-0" TALL TO BE BLOCKED SOLID AT MID-HEIGHT.
- 7. ALL HEADERS AND BEAMS TO BE SUPPORTED BY BUILT UP STUDS OR COLUMNS AS SHOWN ON THE PLANS. SUPPORT TO BE CONTINUOUS TO THE FOUNDATION OR OTHER SUPPORT BELOW.

8. BEARING-TYPE CONNECTIONS MAY BE TOE-NAILED. ALL OTHER CONNECTIONS TO STRUCTURAL MEMBERS TO BE MADE USING METAL JOIST HANGERS.

- 9. ALL KNEE WALL CONSTRUCTION TO BE DIAGONALLY BRACED AT 4'-0" ON CENTER, MAXIMUM.
- 10. ALL LUMBER IN CONTACT WITH MASONRY OR CONCRETE TO BE PRESSURE TREATED. PROVIDE PRESSURE TREATED LUMBER AT ALL OTHER LOCATIONS INDICATED ON THE PLANS.

11. JAMB FRAMING REQUIRES (3) 2X STUDS AT ALL JAMB OPENINGS FOR PROPER TRIMMING.

ENGINEER FOR PROPER SIZE.

- 12. SUPPORT OF MASONRY ABOVE OPENINGS SHALL BE IN COMPLIANCE WITH SECTION R703.7.2.1 OF THE IRC 2006. STEEL ANGLES SHALL BE SIX INCHES (VERTICAL) BY FOUR INCHES BY FIVE SIXTEENTHS (6"X4"X2") ANCHORED TO BEAMS/HEADERS OR DOUBLE 2 INCH BY 4 INCH WOOD STUDS WITH HALF INCH DIAMETER BY FOUR INCH LONG LAG SCREWS (MIN.). THE HEADERS IN BEARING WALLS SHALL BE SIZED TO SUPPORT ALL DEAD LOADS, LIVE LOADS, AND WEIGHT OF VENEER ABOVE OPENING WITH A DEFLECTION LIMIT OF L/600. BEAMS/HEADERS SUPPORTING MASONRY VENEER NOT SHOWN ON PLANS SHALL BE VERIFIED BY THE
- 13. COORDINATE ENGINEERED JOIST/ TRUSS DRAWINGS WITH ARCHITECTURAL DRAWINGS. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW.

CODE REVIEW:

INTERNATIONAL RESIDENTIAL CODE (IRC) 2009

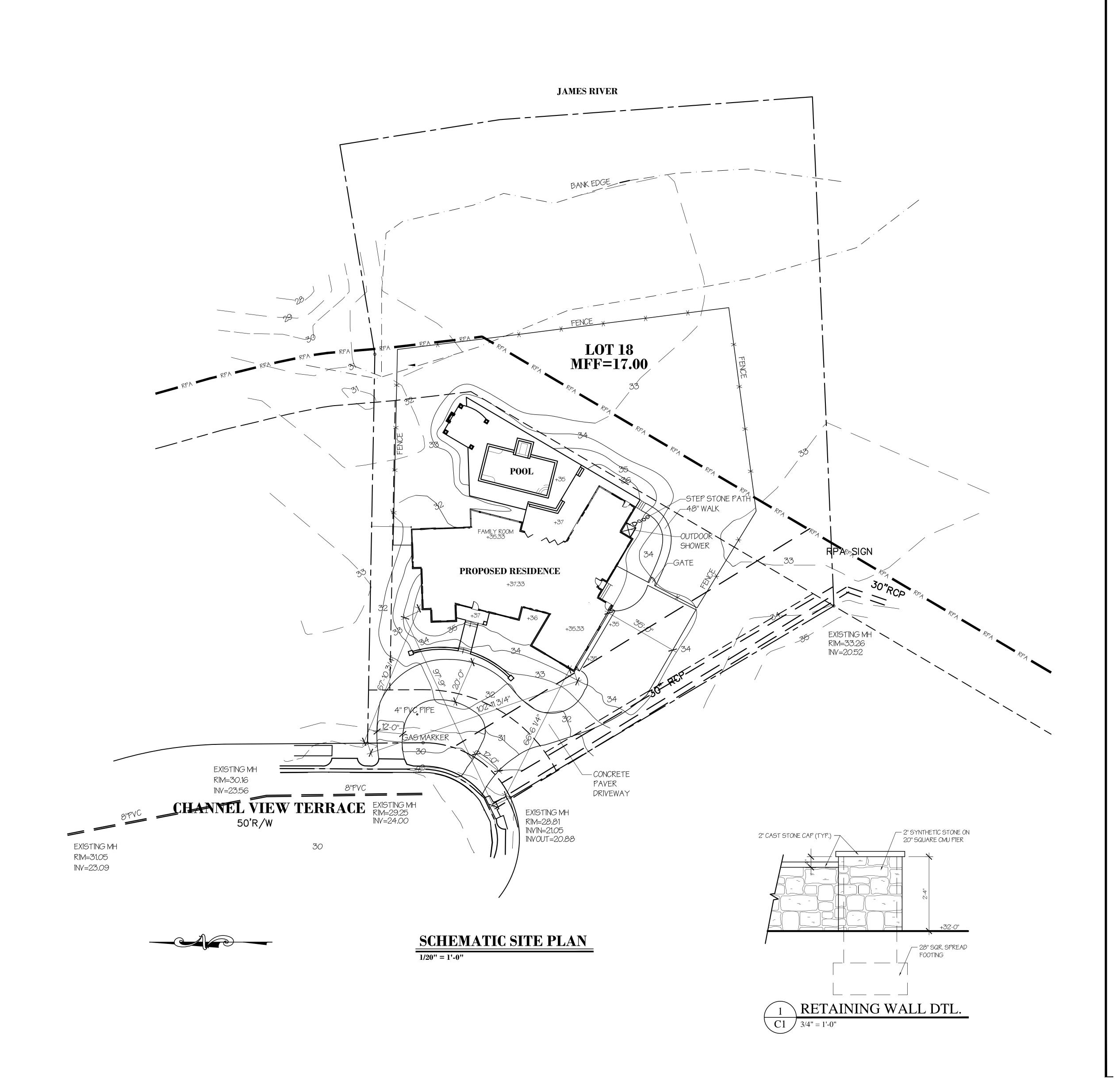
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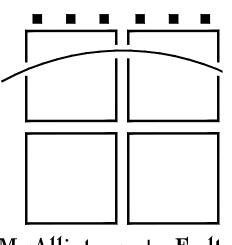
- C1 SCHEMATIC SITE PLAN
- A1 FOUNDATION PLAN & NOTES
- A2 FIRST FLOOR PLAN & NOTES
- A3 SECOND FLOOR PLAN & NOTES
- A4 ROOF FRAMING PLAN & NOTES
- A5 ELEVATIONS A6 ELEVATIONS
- A7 BUILDING SECTIONS
- A8 WALL SECTIONS
- A9 DETAILS
- A10 TERRACE/PERGOLA PLANS
- B1 BRACED WALL PANEL
- E2 2ND FLOOR SCHEMATIC ELECTRICAL PLAN

E1 1ST FLOOR SCHEMATIC ELECTRICAL PLAN



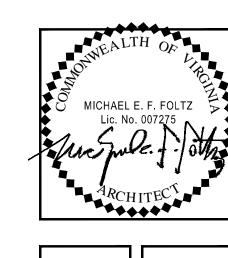
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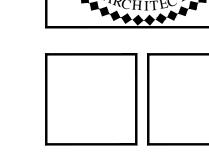




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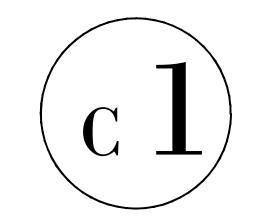


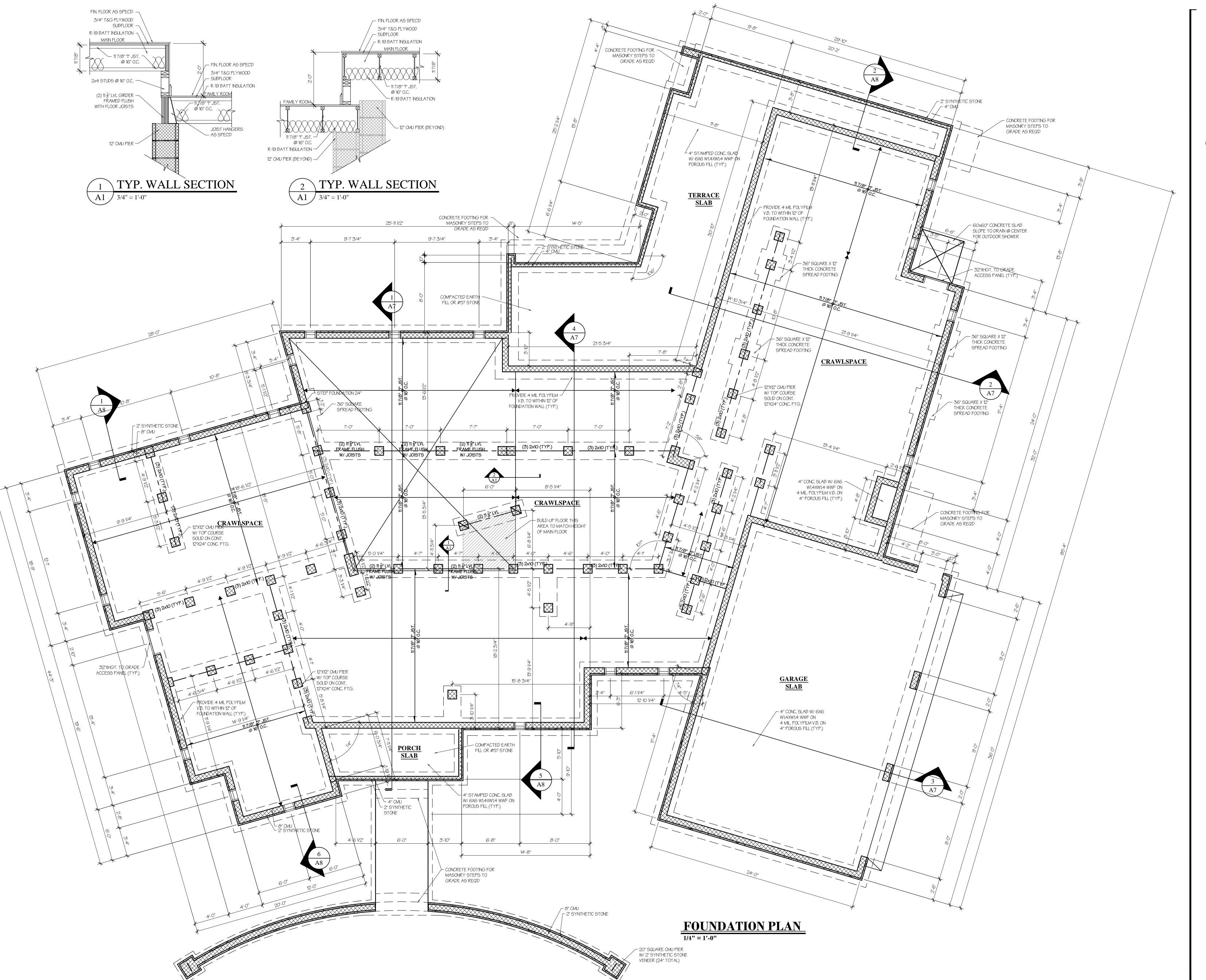
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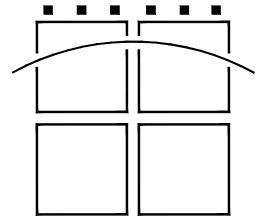
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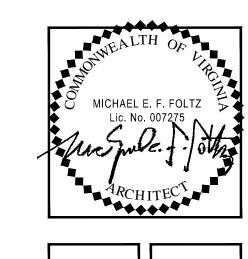


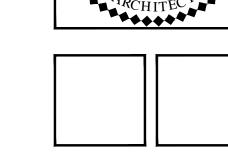




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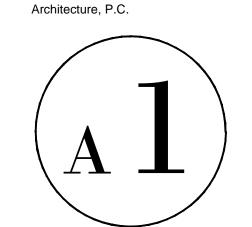
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ľ 18. CHANNEL VIEW TERRAC Meadowville Landing

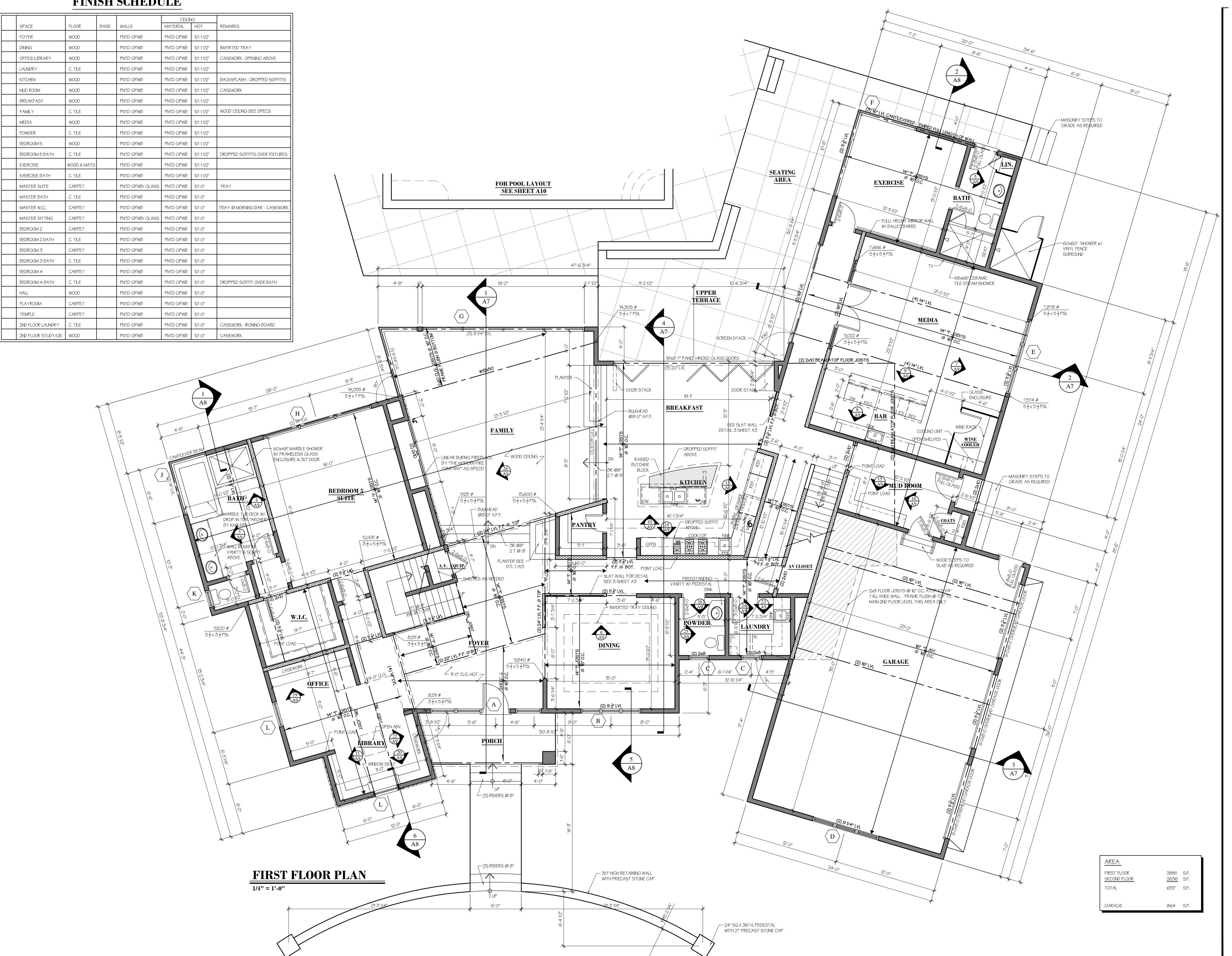
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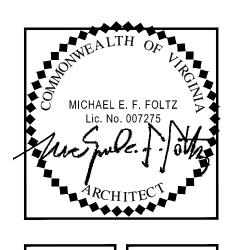


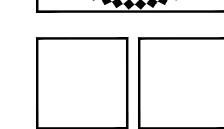
FINISH SCHEDULE



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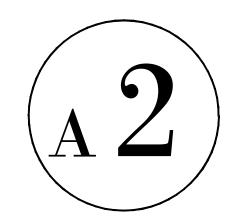


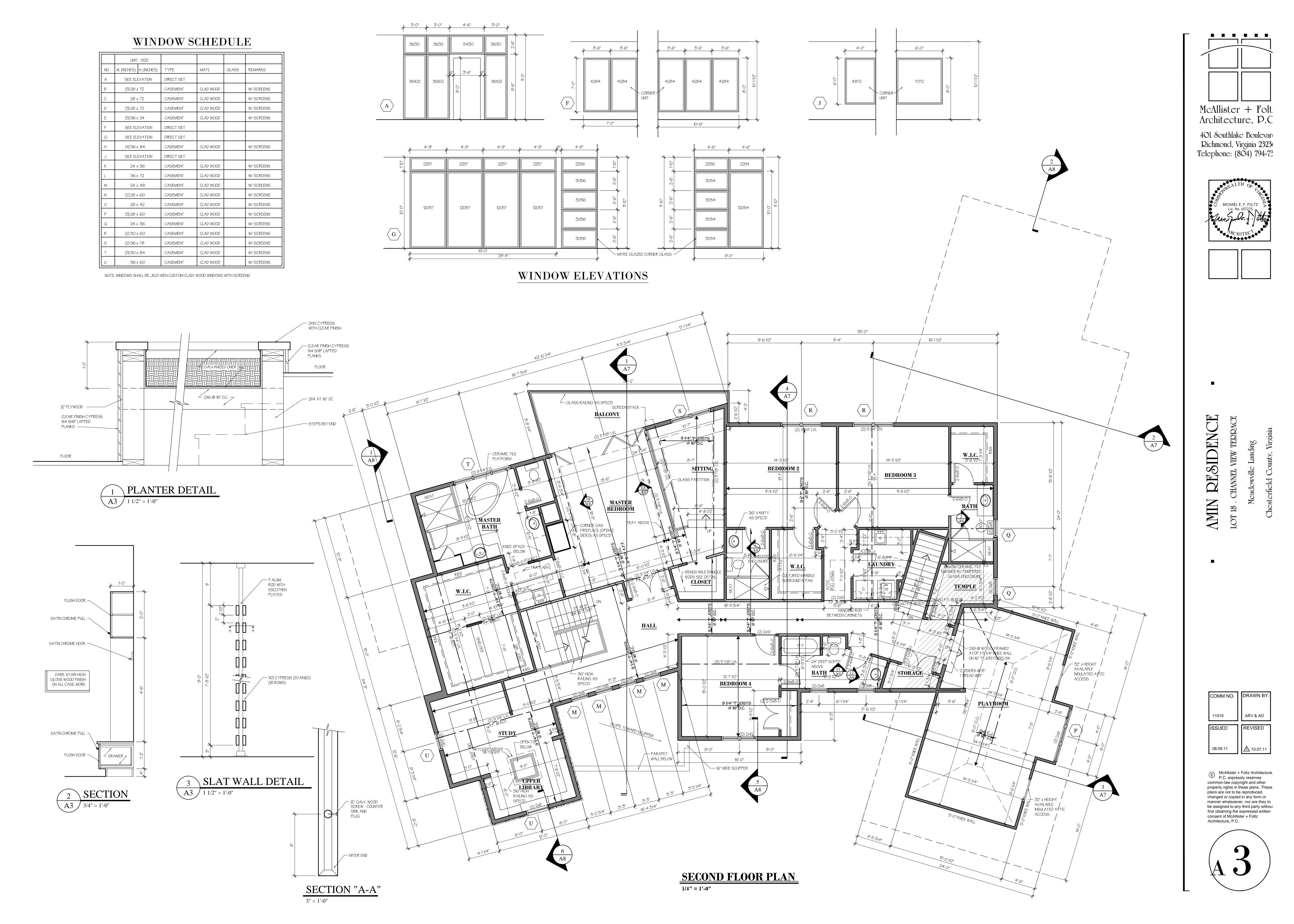
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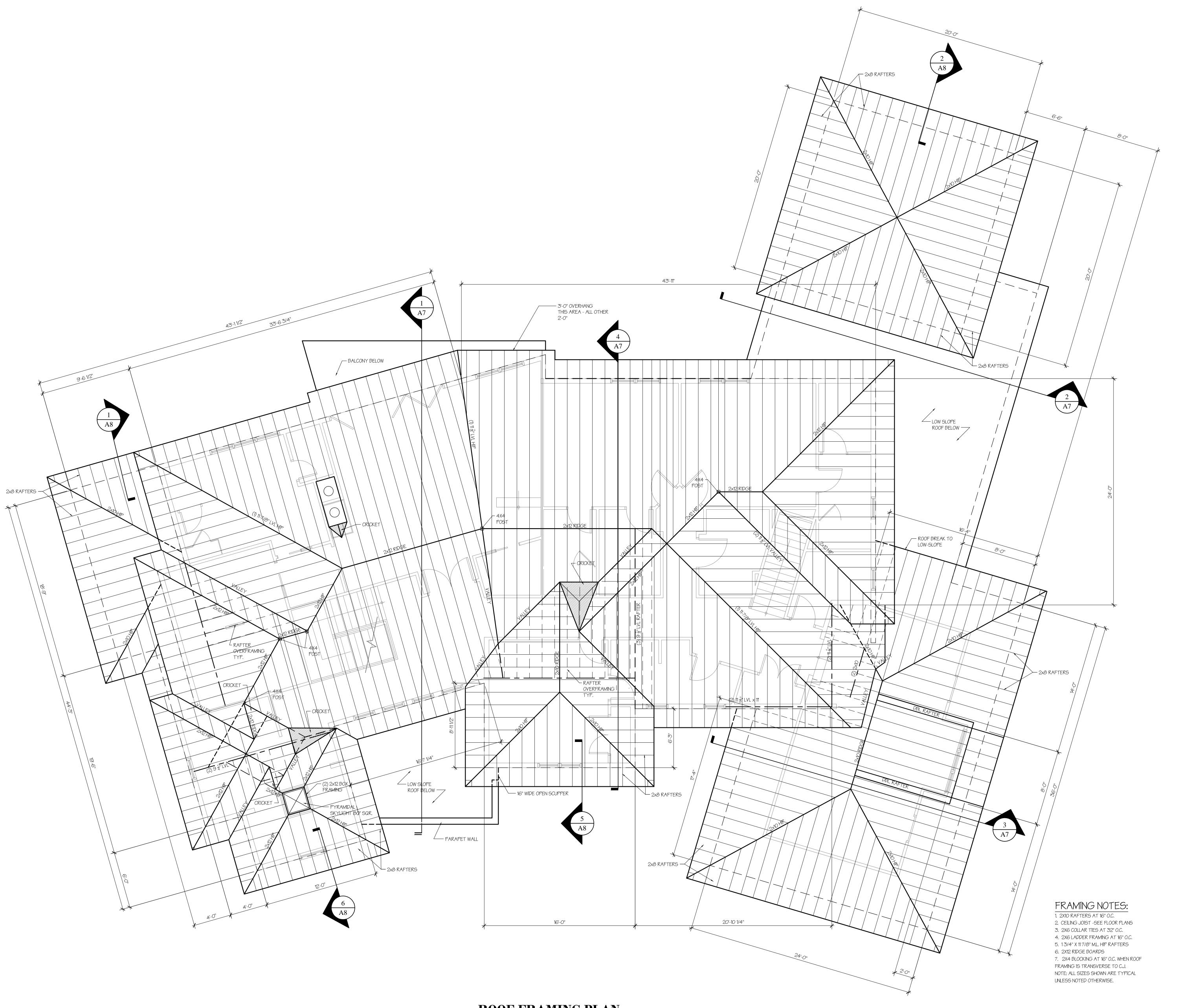
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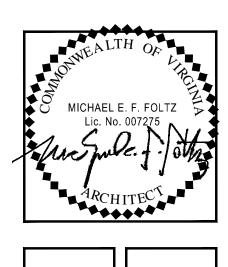


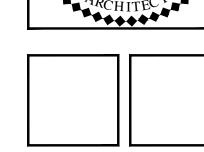


ROOF FRAMING PLAN 1/4" = 1'-0"

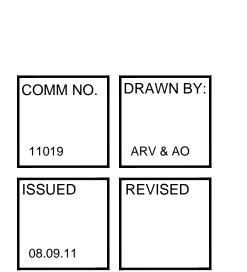
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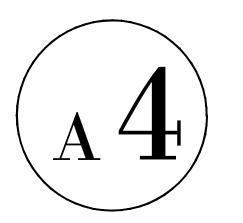




AMIN PESIDENCE LOT 18. CHANNEL VIEW TERRACE



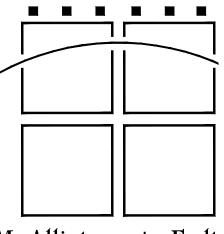
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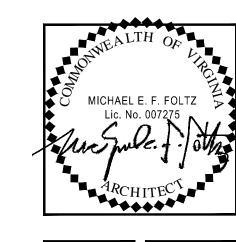
1/4" = 1'-0"

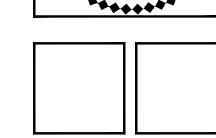


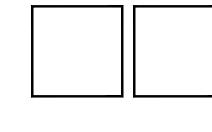


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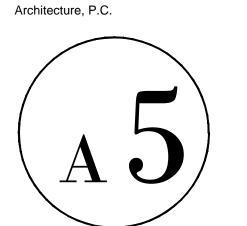
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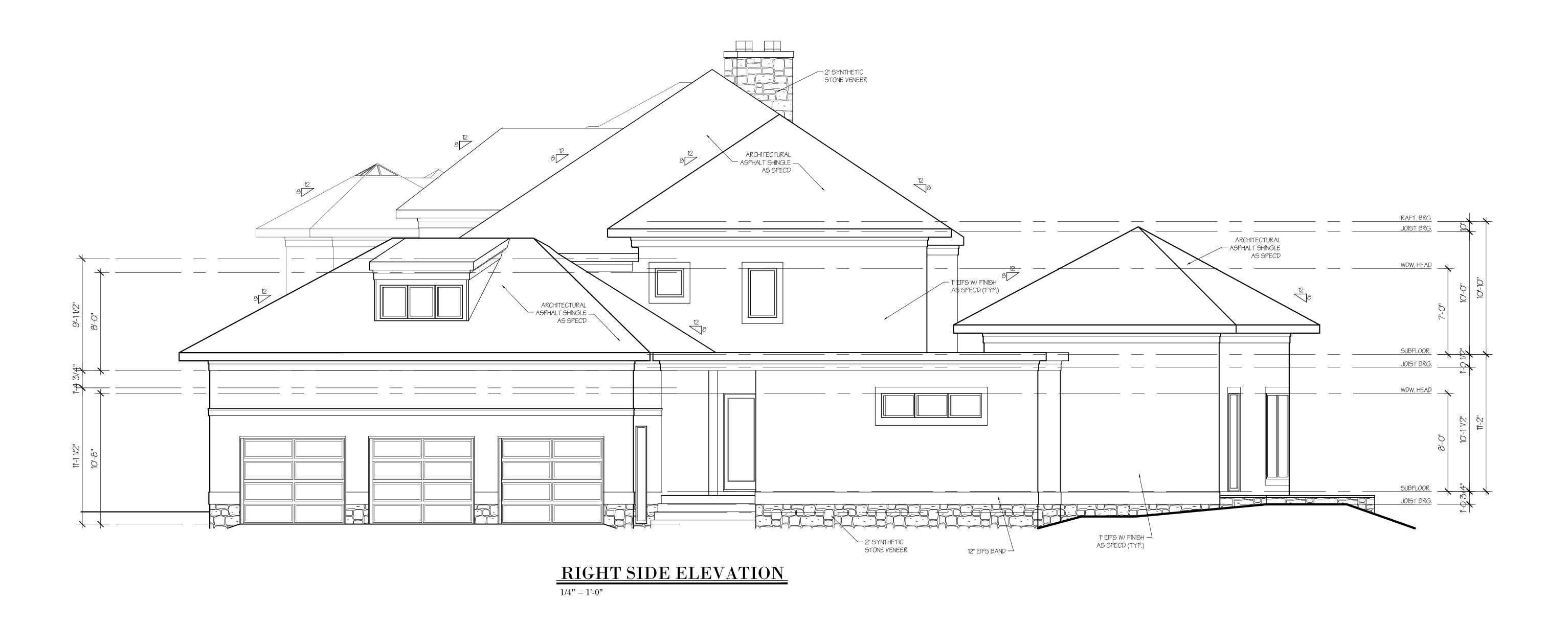
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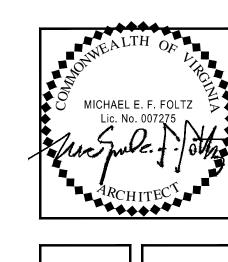


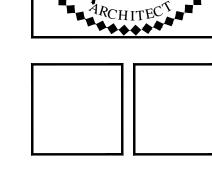


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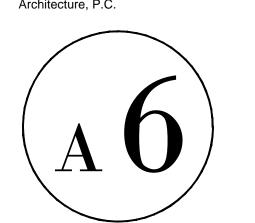


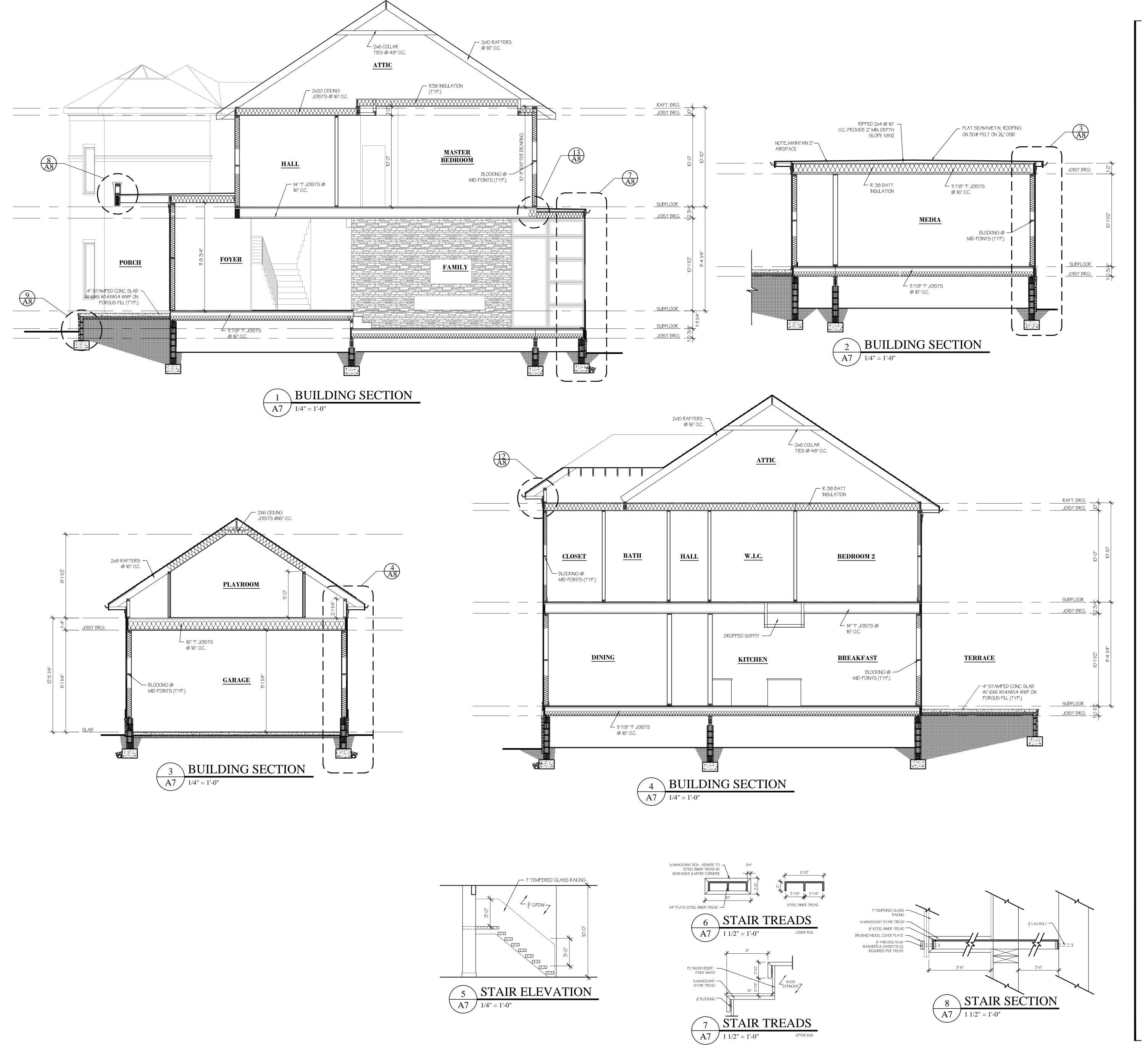
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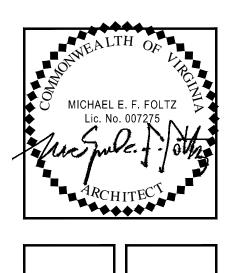


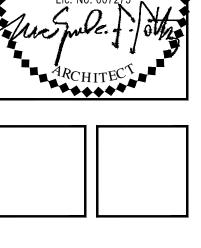


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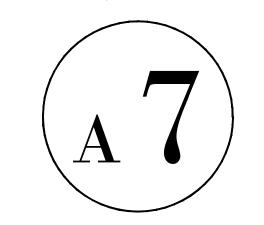


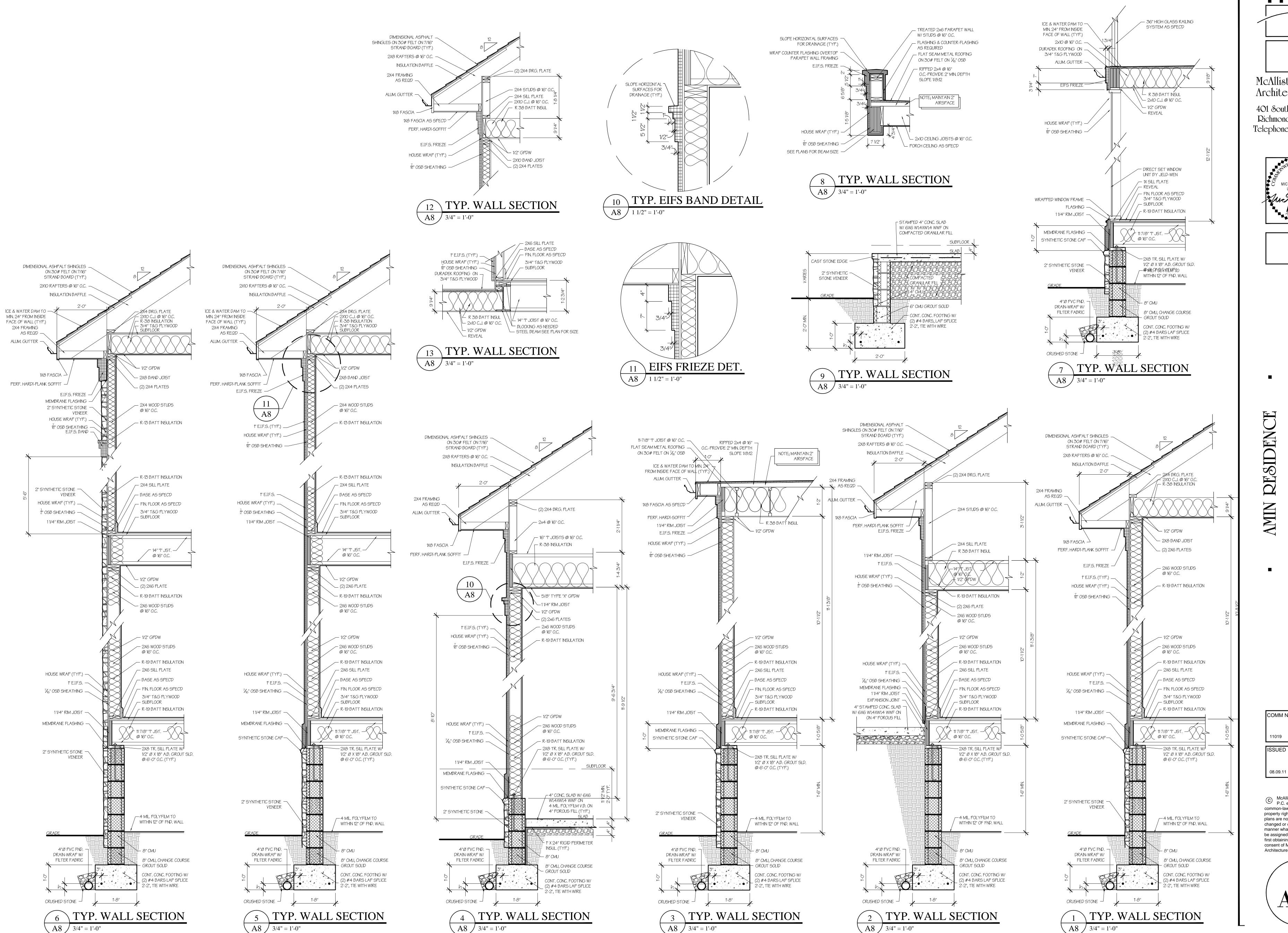


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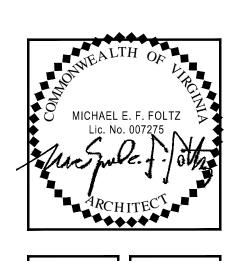
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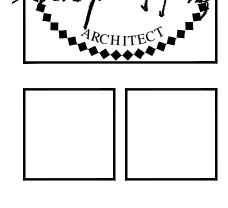


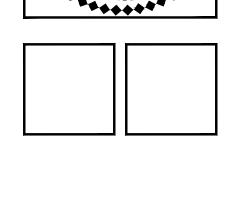


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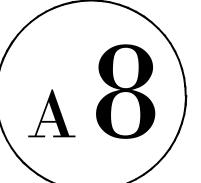


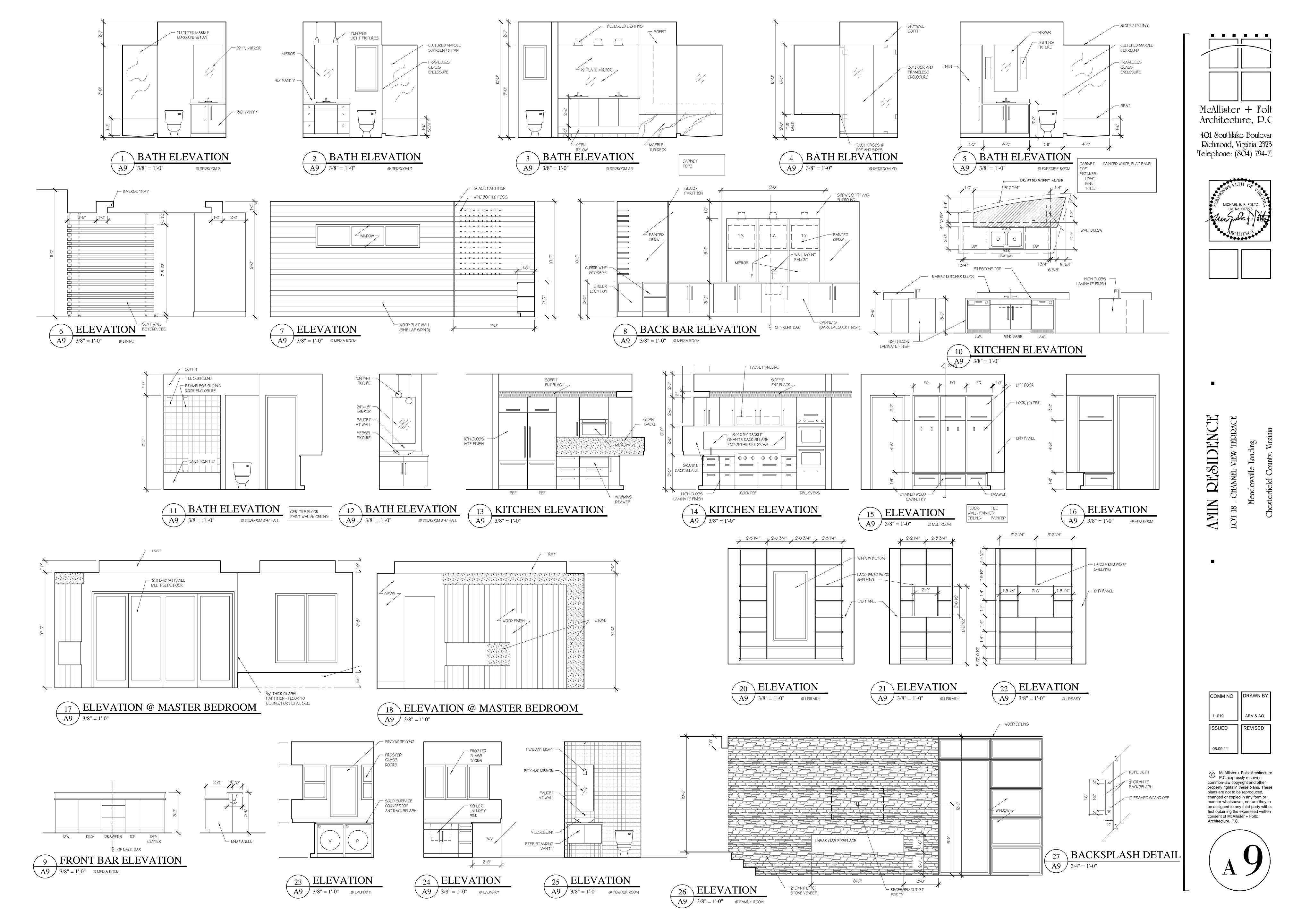


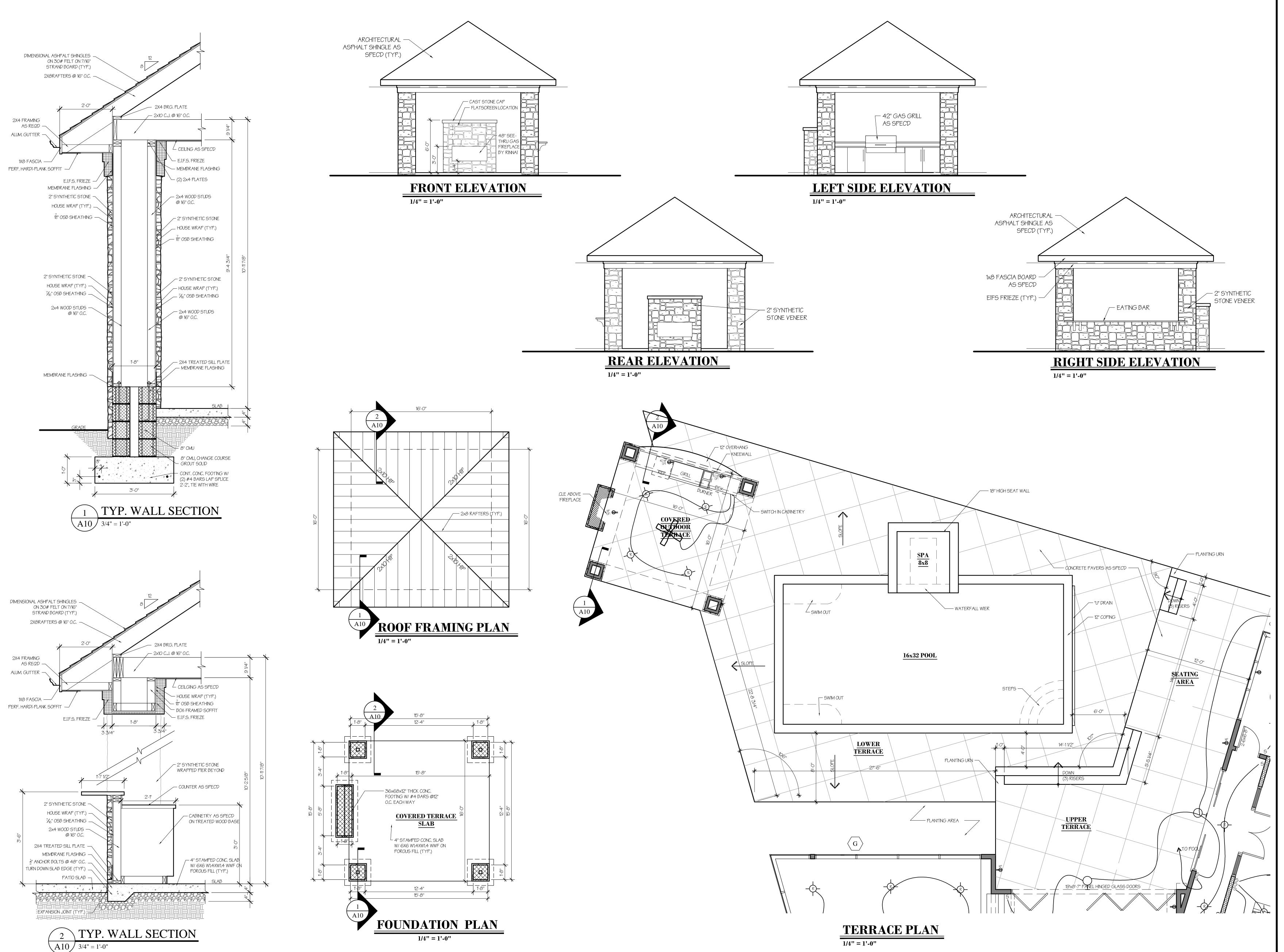


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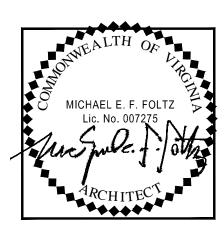


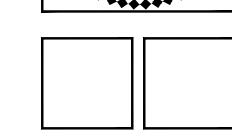


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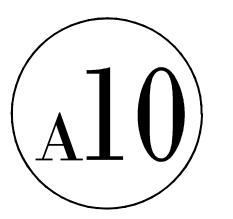
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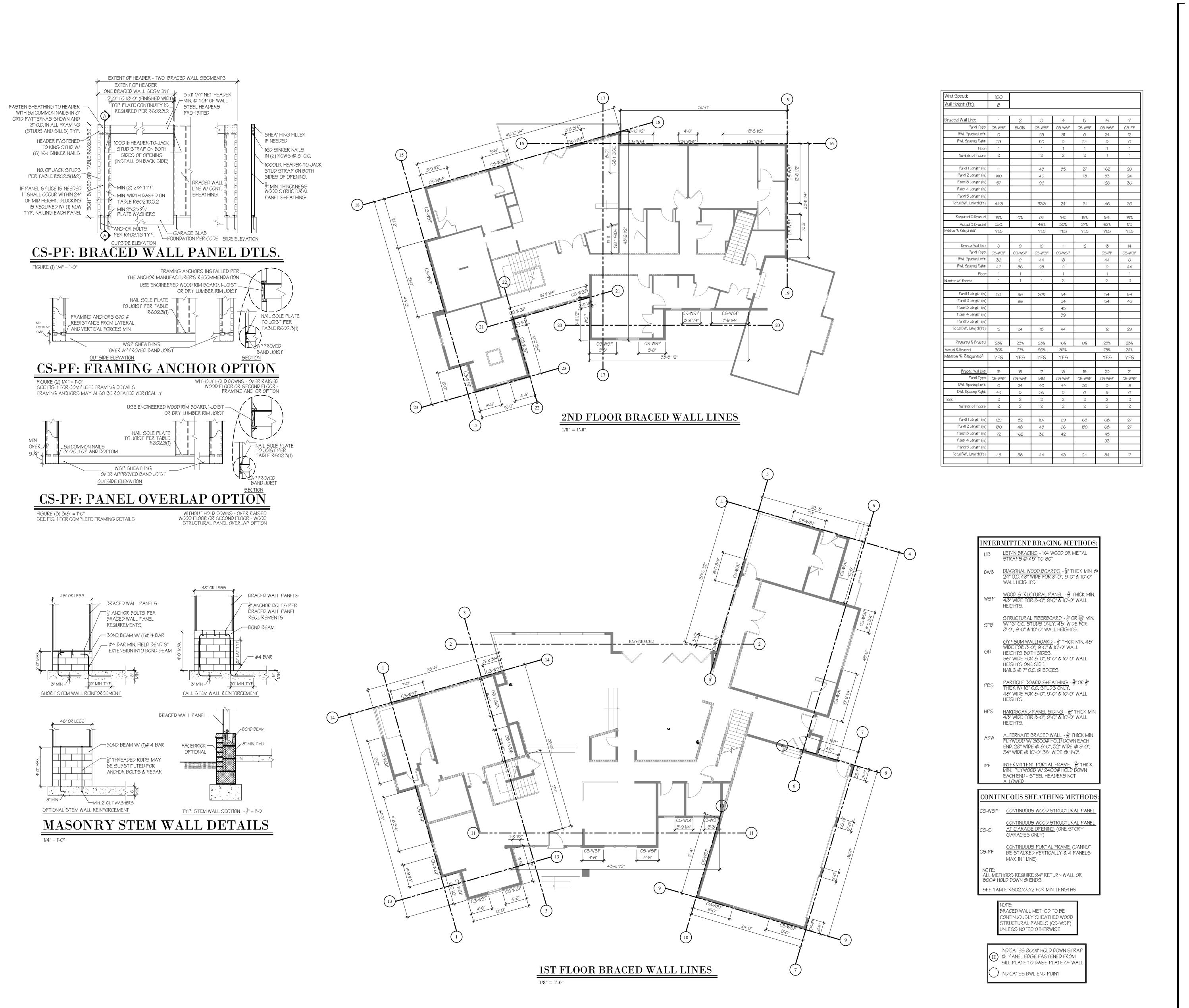
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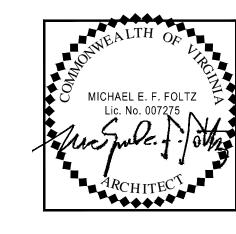


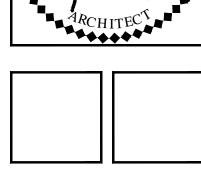


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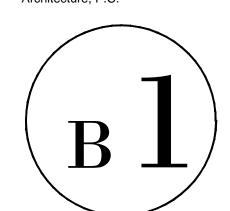


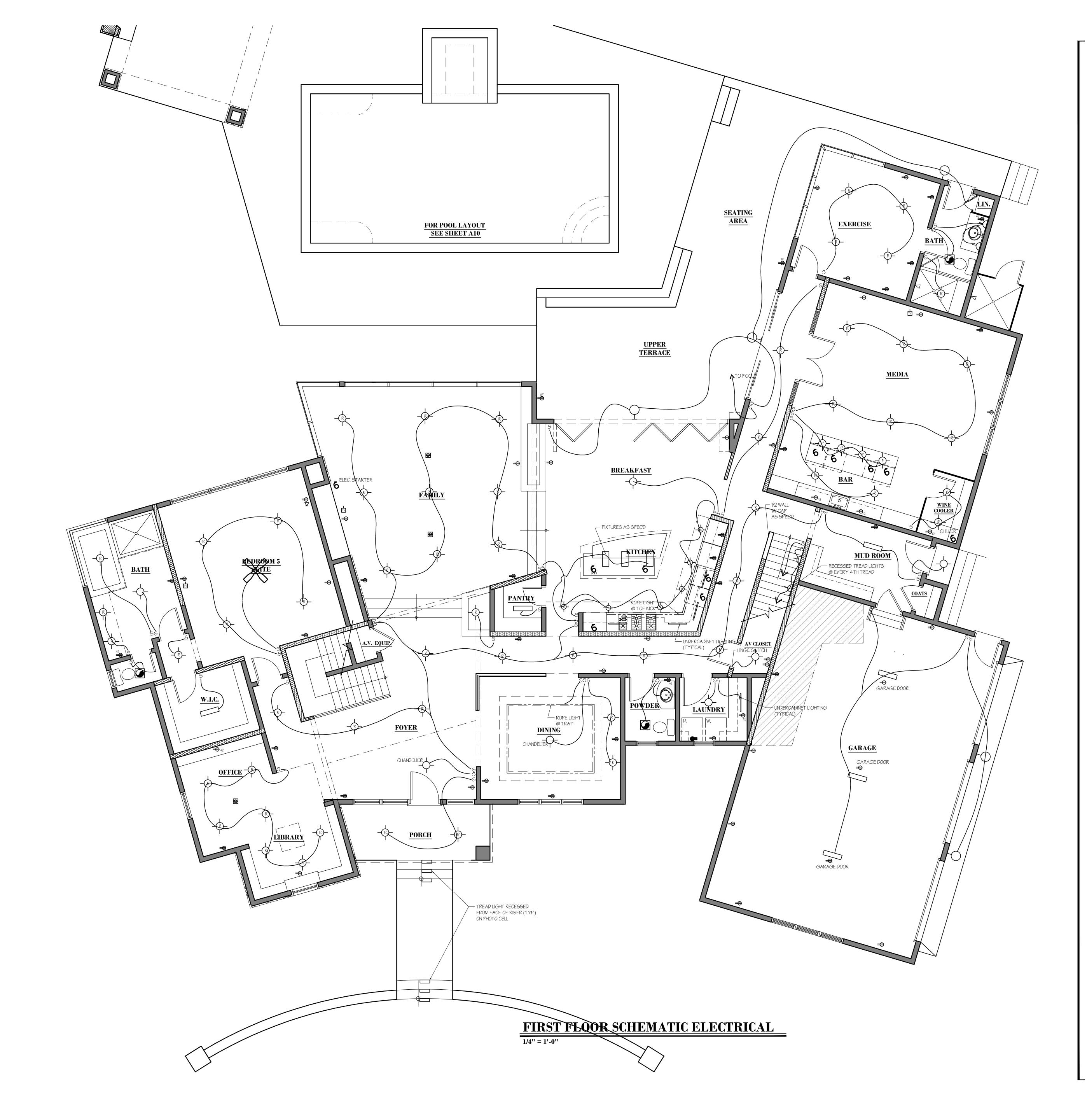
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LEGEND

WATERPROOF CONV. RECEPT. W/ GROUND FAULT INTERUPT

CONVENIENCE RECEPT.-1/2 SWITCH (110 VOLT)

GFI CONV. RECEPT. W/ GROUND FAULT INTERUPT INSTALLED AT 42" ABV. FIN. FLR.

— SURFACE MOUNTED CEILING FIXTURE

SURFACE MOUNTED FLUORSCENT STRIP FIXTURE (SINGLE OR DBL. TUBE AS SPECD.

WIRE FOR MOTOR DEVICE AS REQUIRED

CONVENIENCE RECEPTACLE (110 VOLT)

FLOOR RECEPTACLE (110 VOLT)

220 VOLT RECEPTACLE

— WALL SCONCE

₩ WALL MOUNTED FIXTURE

RECESSED CEILING FIXTURE

P PENDANT CEILING FIXTURE

FAN/ LIGHT COMBINATION

 $S_{\scriptscriptstyle F}$ WALL SWITCH FOR FAN

 S_D — WALL SWITCH W/ DIMMER

S — WALL SWITCH (POLE AS REQUIRED)

JUNCTION BOX FOR HARD WIRED DEVICE

SURFACE MOUNTED SMOKE DETECTOR

THE SCHEMATIC ELECTRICAL LIGHTING PLAN IS PROVIDED FOR DESIGN/BIDDING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESIGN ENGINEERING AND COMPLIANCE WITH THE VIRGINIA STATEWIDE UNIFORM

BUILDING CODE. CONTRACTOR SHALL SUBMIT DESIGN DRAWINGS AND EQUIPMENT SUBMITTALS FOR OWNER AND ARCHITECT'S APPROVAL.

FLOOD LIGHTS AS SPECIFIED

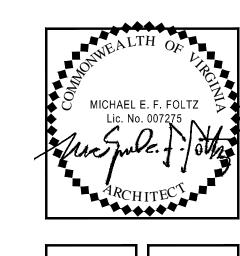
EPB — ELECTRIC PANEL BOX

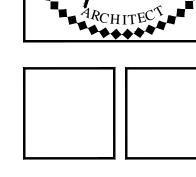
TELEVISION LOCATION

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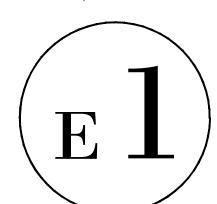
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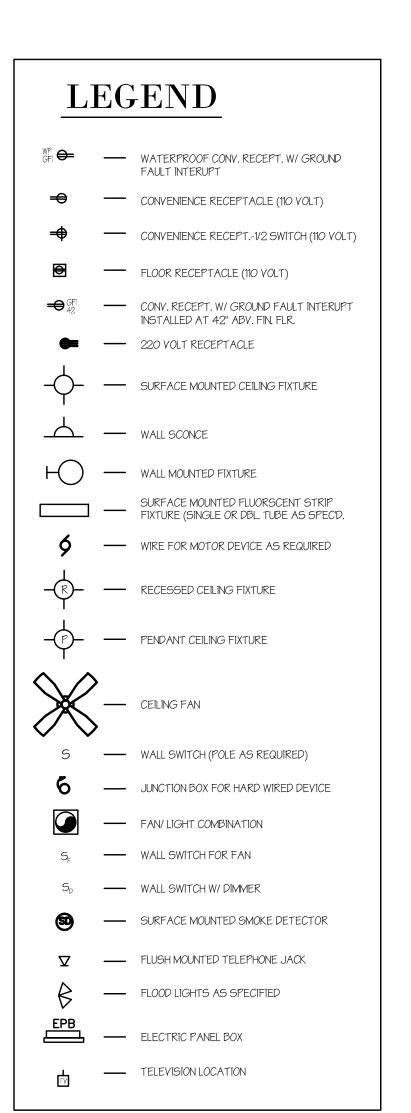
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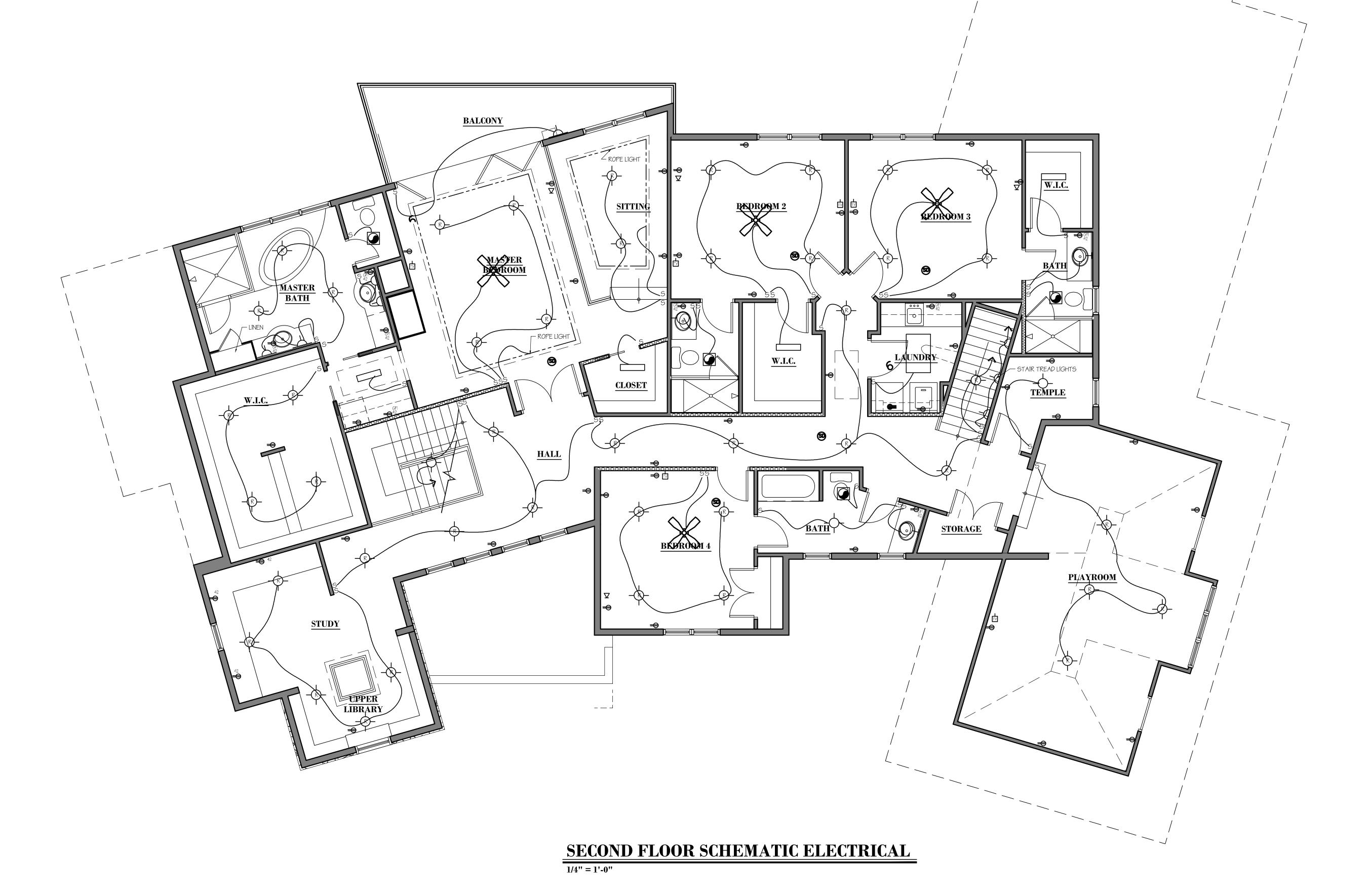
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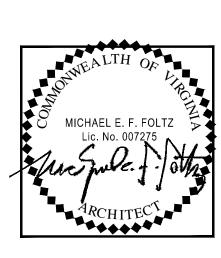


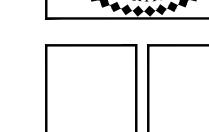
THE SCHEMATIC ELECTRICAL LIGHTING PLAN IS PROVIDED FOR DESIGN/BIDDING PURPOSES ONLY. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESIGN ENGINEERING AND COMPLIANCE WITH THE VIRGINIA STATEWIDE UNIFORM BUILDING CODE. CONTRACTOR SHALL SUBMIT DESIGN DRAWINGS AND EQUIPMENT SUBMITTALS FOR OWNER AND ARCHITECT'S APPROVAL.



McAllister + Folt Architecture, P.C

401 Southlake Boulevar Richmond, Virginia 2323 Telephone: (804) 794-75





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PESIDENCE

8. CHANNEL VIEW TERRACE

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COMM NO. DRAWN BY:

11019 ARV & AO

ISSUED REVISED

08.09.11

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