

BELT ROAD DUPLEXES

2330 BELT RD KNOXVILLE, TN 37920

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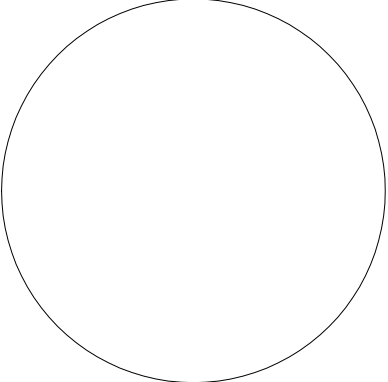
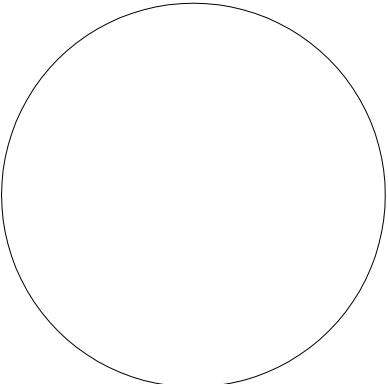
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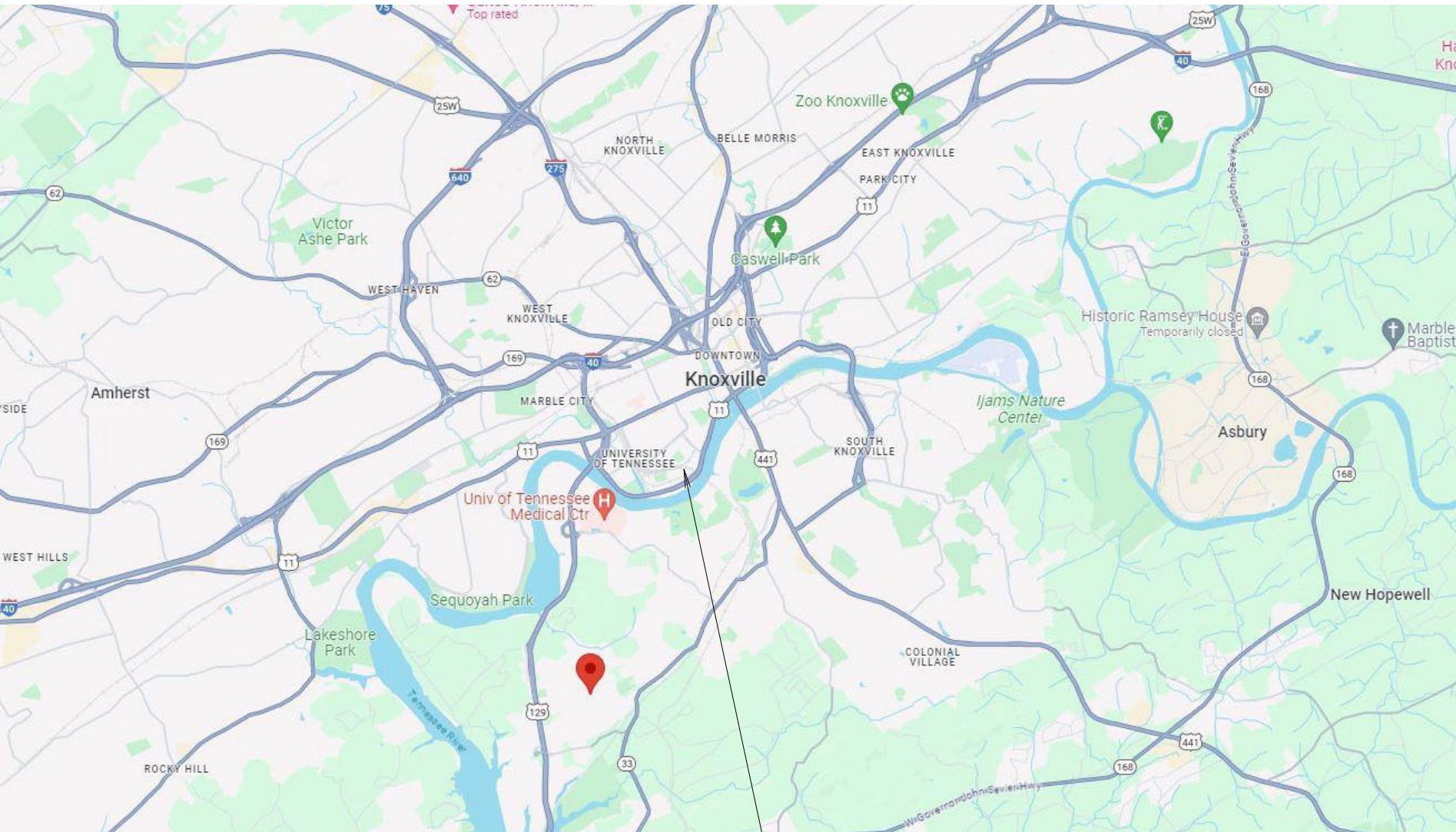
CIVIL ENGINEER

ARDURRA
2160 LAKESIDE WAY, STE 201
KNOXVILLE, TN 37922
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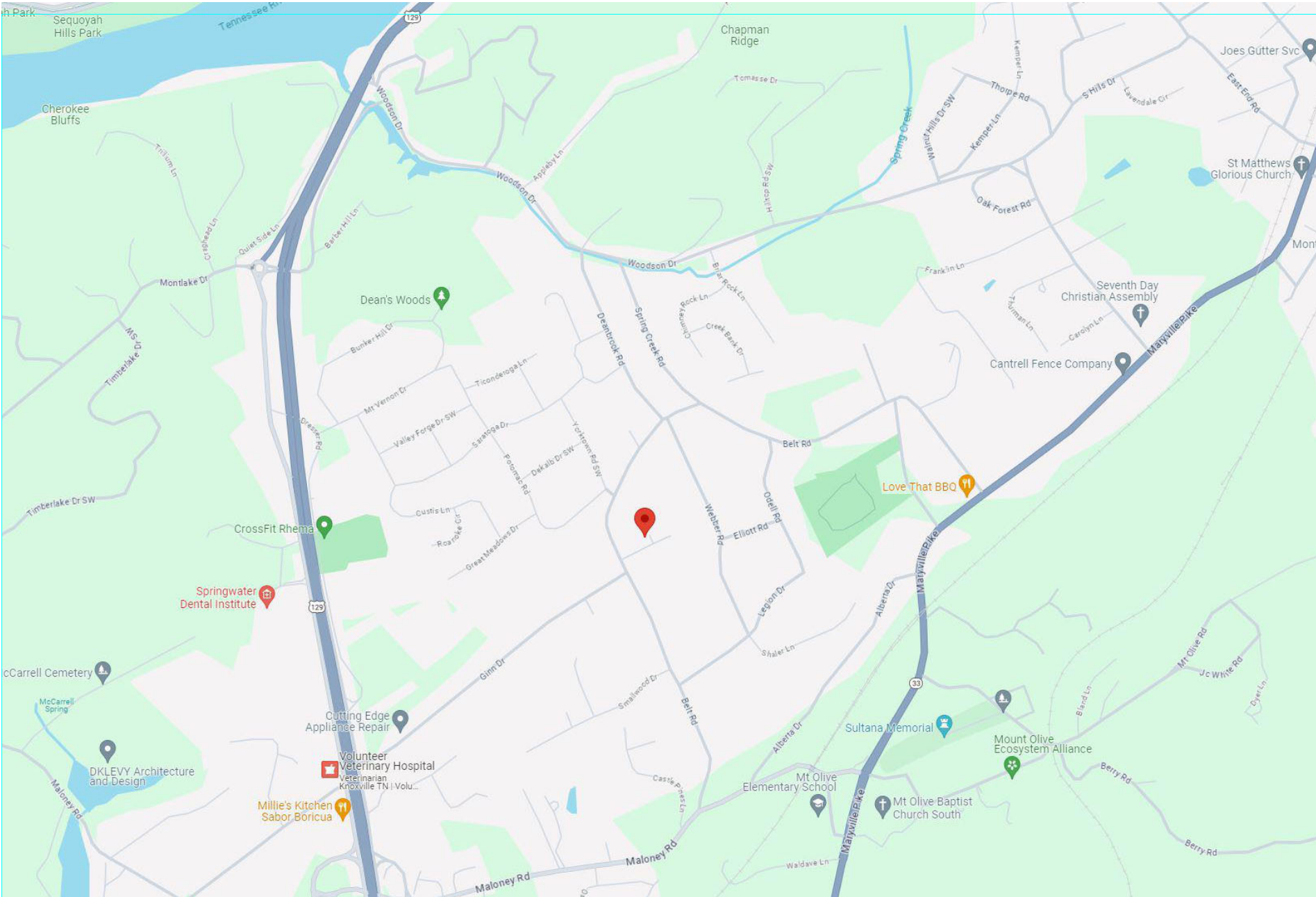
DRAWING INDEX

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- TOTAL SHEETS: 12



LOCATION MAP

PROJECT SITE

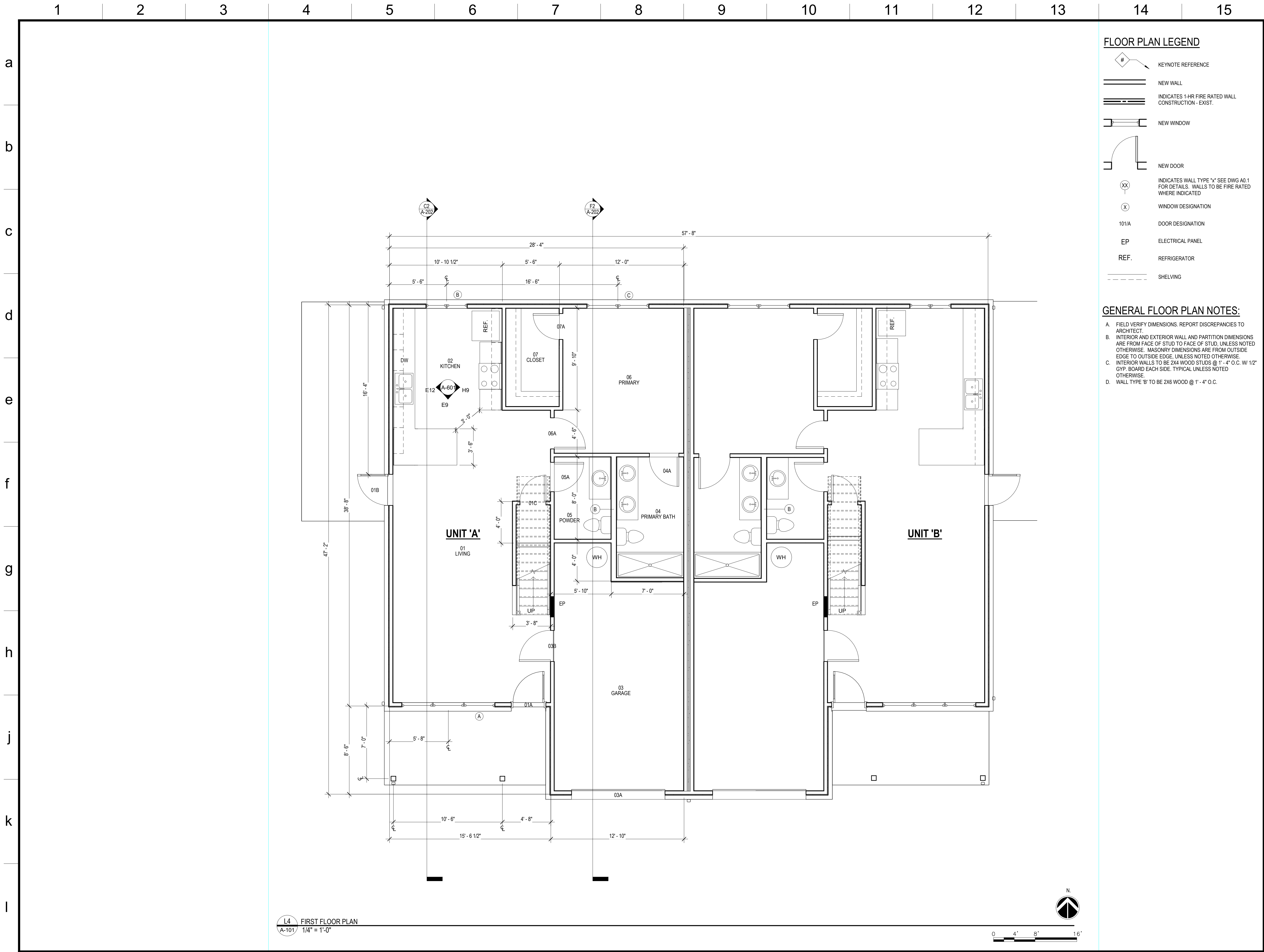


VICINITY MAP



BELT ROAD DUPLEXES

FINAL REVIEW
ISSUE DATE: 2024.01.30



FLOOR PLAN LEGEND

- KEYNOTE REFERENCE
- NEW WALL
- INDICATES 1-HR FIRE RATED WALL CONSTRUCTION - EXIST.
- NEW WINDOW
- NEW DOOR
- INDICATES WALL TYPE "Y" SEE DWG A0.1 FOR DETAILS. WALLS TO BE FIRE RATED WHERE INDICATED
- WINDOW DESIGNATION
- DOOR DESIGNATION
- ELECTRICAL PANEL
- REFRIGERATOR
- SHELVING

GENERAL FLOOR PLAN NOTES:

- A. FIELD VERIFY DIMENSIONS. REPORT DISCREPANCIES TO ARCHITECT.
- B. INTERIOR AND EXTERIOR WALL AND PARTITION DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. MASONRY DIMENSIONS ARE FROM OUTSIDE EDGE TO OUTSIDE EDGE, UNLESS NOTED OTHERWISE.
- C. INTERIOR WALLS TO BE 2X4 WOOD STUDS @ 1'-4" O.C. W/ 1/2" GYP. BOARD EACH SIDE. TYPICAL UNLESS NOTED OTHERWISE.
- D. WALL TYPE "B" TO BE 2X6 WOOD @ 1'-4" O.C.

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FIRST FLOOR PLAN

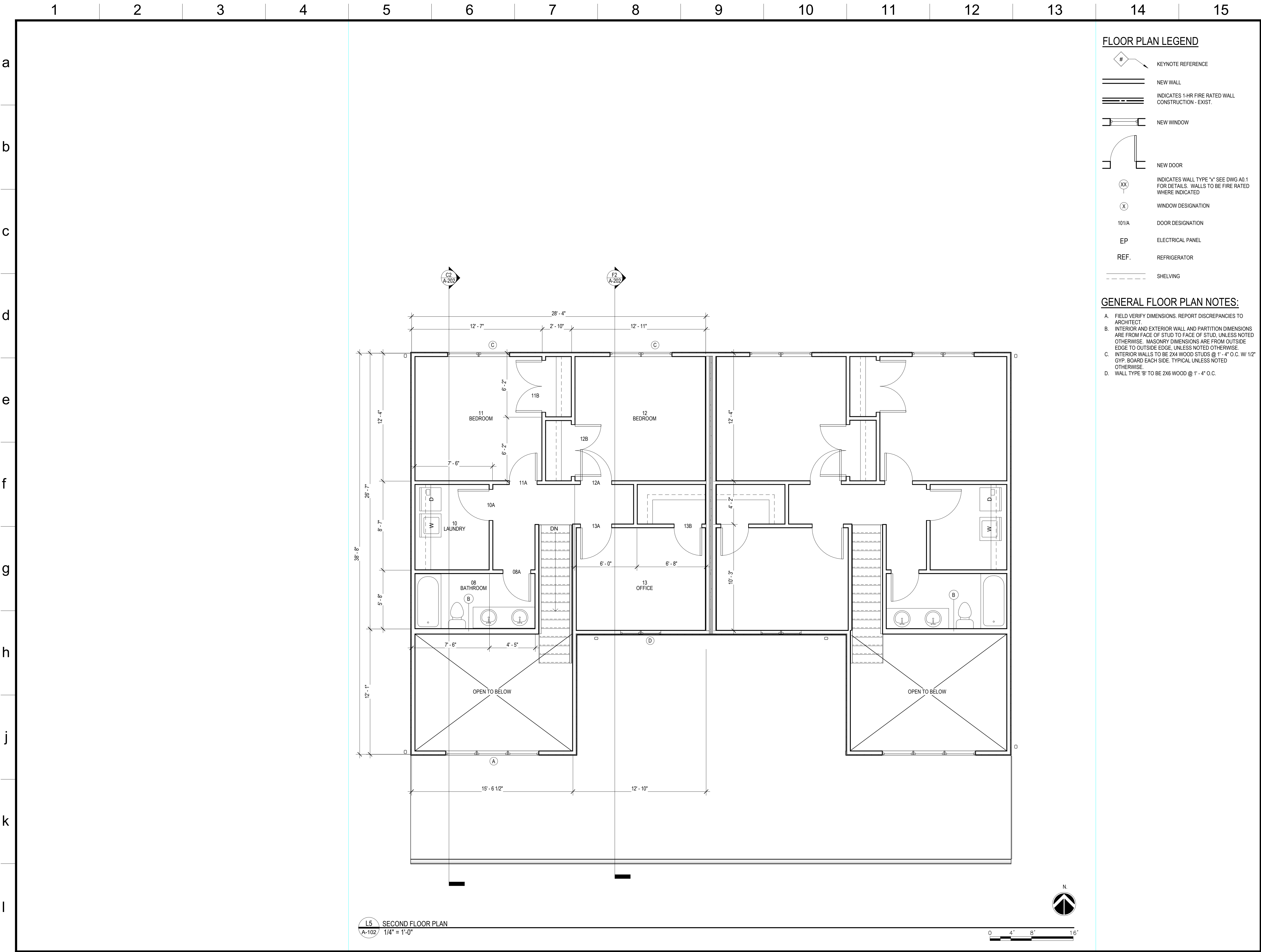
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FLOOR PLAN LEGEND

- # KEYNOTE REFERENCE
- NEW WALL
- INDICATES 1-HR FIRE RATED WALL CONSTRUCTION - EXIST.
- NEW WINDOW
- NEW DOOR
- INDICATES WALL TYPE "Y" SEE DWG A0.1 FOR DETAILS. WALLS TO BE FIRE RATED WHERE INDICATED
- WINDOW DESIGNATION
- 101/A DOOR DESIGNATION
- EP ELECTRICAL PANEL
- REF. REFRIGERATOR
- SHELVING

GENERAL FLOOR PLAN NOTES:

- A. FIELD VERIFY DIMENSIONS. REPORT DISCREPANCIES TO ARCHITECT.
- B. INTERIOR AND EXTERIOR WALL AND PARTITION DIMENSIONS ARE FROM FACE OF STUD TO FACE OF STUD, UNLESS NOTED OTHERWISE. MASONRY DIMENSIONS ARE FROM OUTSIDE EDGE TO OUTSIDE EDGE, UNLESS NOTED OTHERWISE.
- C. INTERIOR WALLS TO BE 2X4 WOOD STUDS @ 1' - 4" O.C. W/ 1/2" GYP. BOARD EACH SIDE. TYPICAL UNLESS NOTED OTHERWISE.
- D. WALL TYPE "B" TO BE 2X6 WOOD @ 1' - 4" O.C.

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SECOND FLOOR PLAN

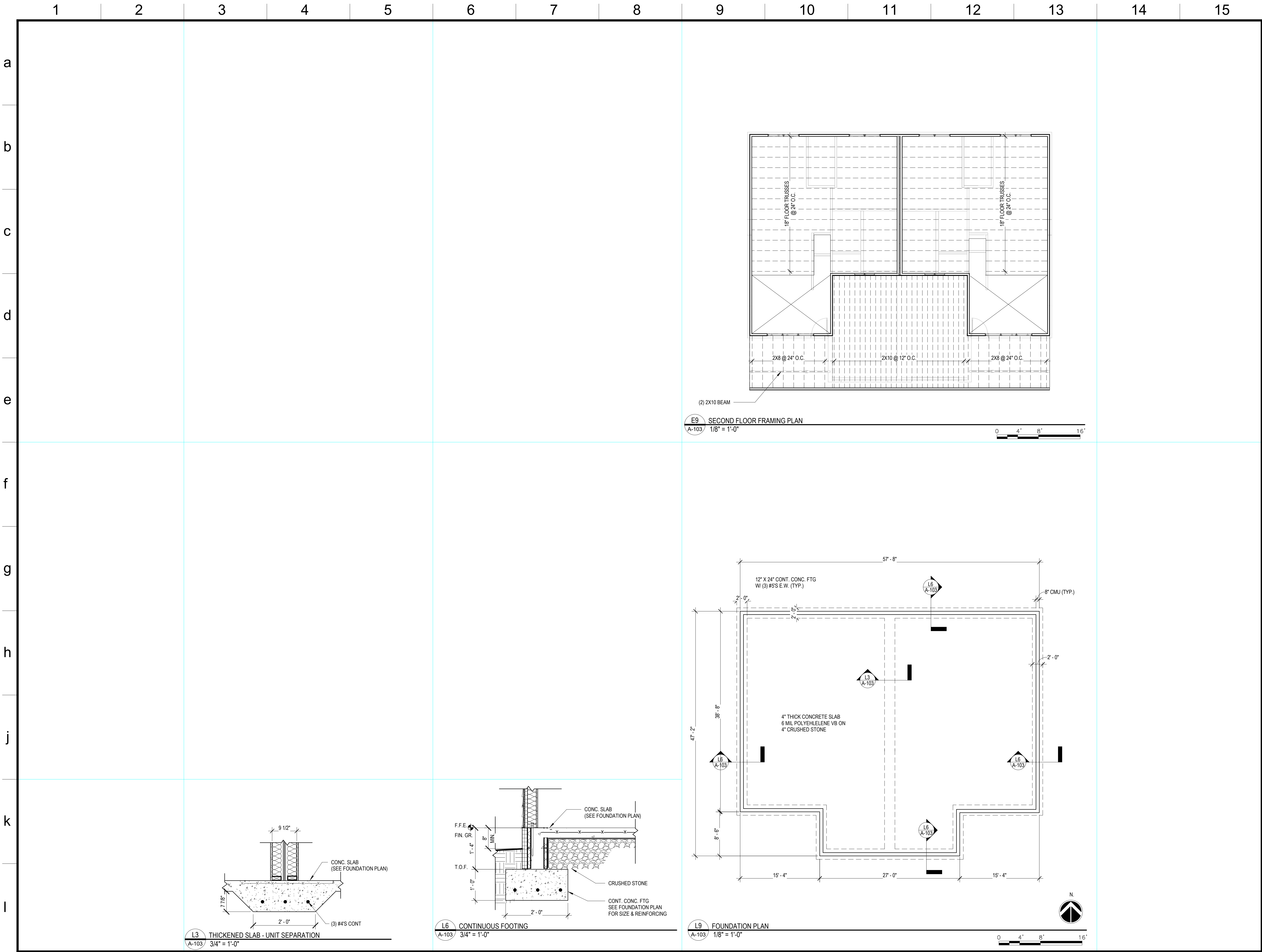
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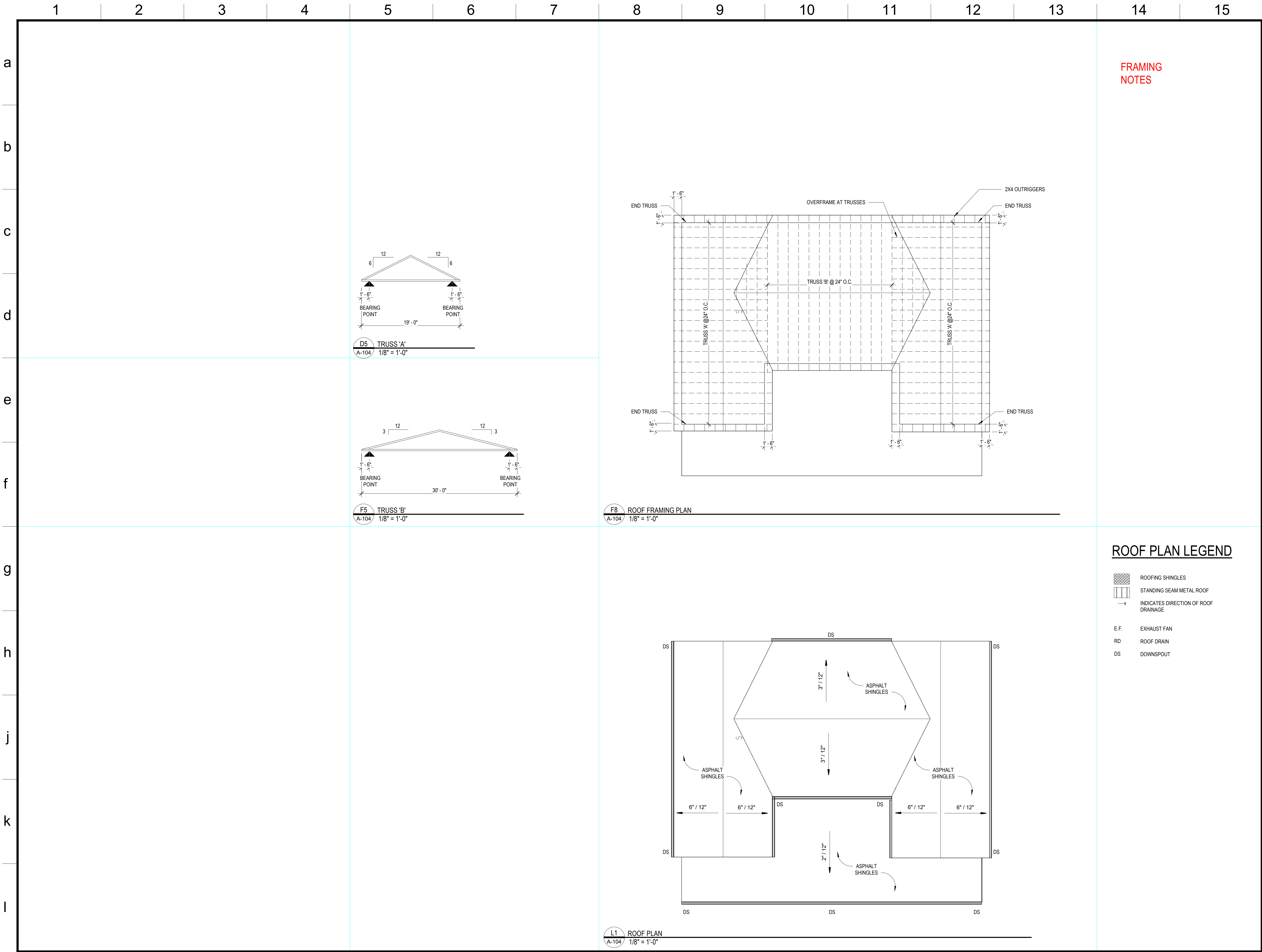
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FOUNDATION PLAN, FRAMING PLAN

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FRAMING
NOTES

ROOF PLAN LEGEND

- ROOFING SHINGLES
- STANDING SEAM METAL ROOF
- INDICATES DIRECTION OF ROOF DRAINAGE
- E.F. EXHAUST FAN
- RD ROOF DRAIN
- DS DOWNSPOUT

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ROOF PLAN AND ROOF
FRAMING

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ELECTRICAL LEGEND

- ELECTRICAL PANEL
- RANGE RECEPTACLE
- DRYER RECEPTACLE
- DUPLEX RECEPTACLE
- GROUND FAULT INTERRUPT RECEPTACLE
- WEATHERPROOF GFI RECEPTACLE
- COMBINATION CATV & DATA RECEPTACLE
- WALL SWITCH
- 3-WAY SWITCH
- GARAGE DOOR / DOORBELL SWITCH
- CEILING FAN / LIGHT COMBINATION (EXTERIOR GRADE AT PORCH)
- CEILING MOUNTED LIGHT FIXTURE
- EXHAUST FAN / LIGHT COMBINATION (SURFACE MOUNT)
- COMBINATION RECESSED LIGHT / EXHAUST FAN
- 4" RECESSED LED LIGHT
- WALL SCONCE (EXTERIOR GRADE WHERE APPLICABLE)
- UNDER CABINET LIGHTING
- EXTERIOR MOTION CONTROL / TIMED SECURITY LIGHTING, WALL MOUNTED
- EXTERIOR ACCENT LIGHTING, GROUND MOUNTED
- 48" LED UTILITY LIGHT
- COMBINATION SMOKE/CARBON MONOXIDE DETECTOR

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LIGHTING AND POWER
PLANS

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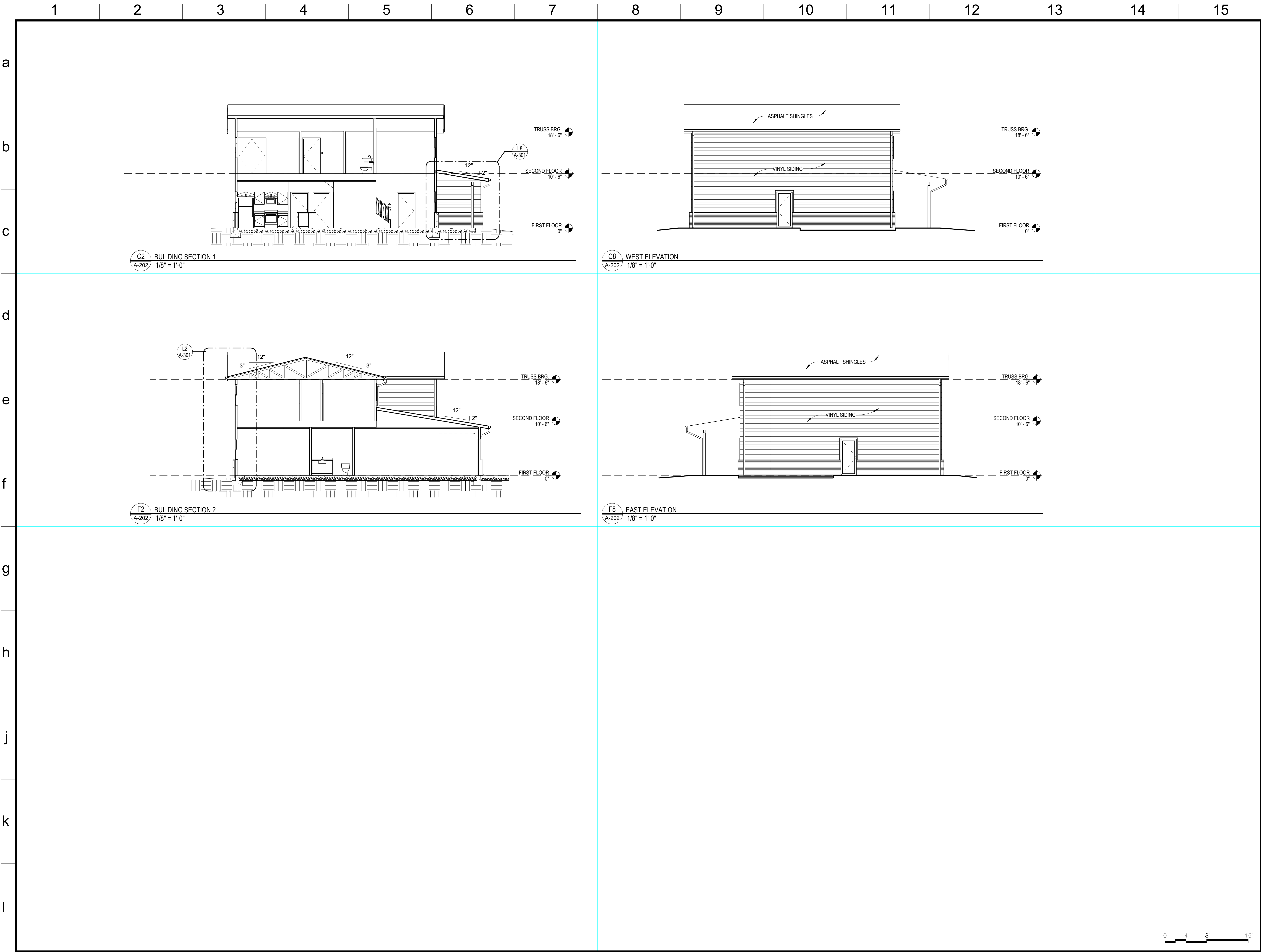
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EXTERIOR ELEVATIONS

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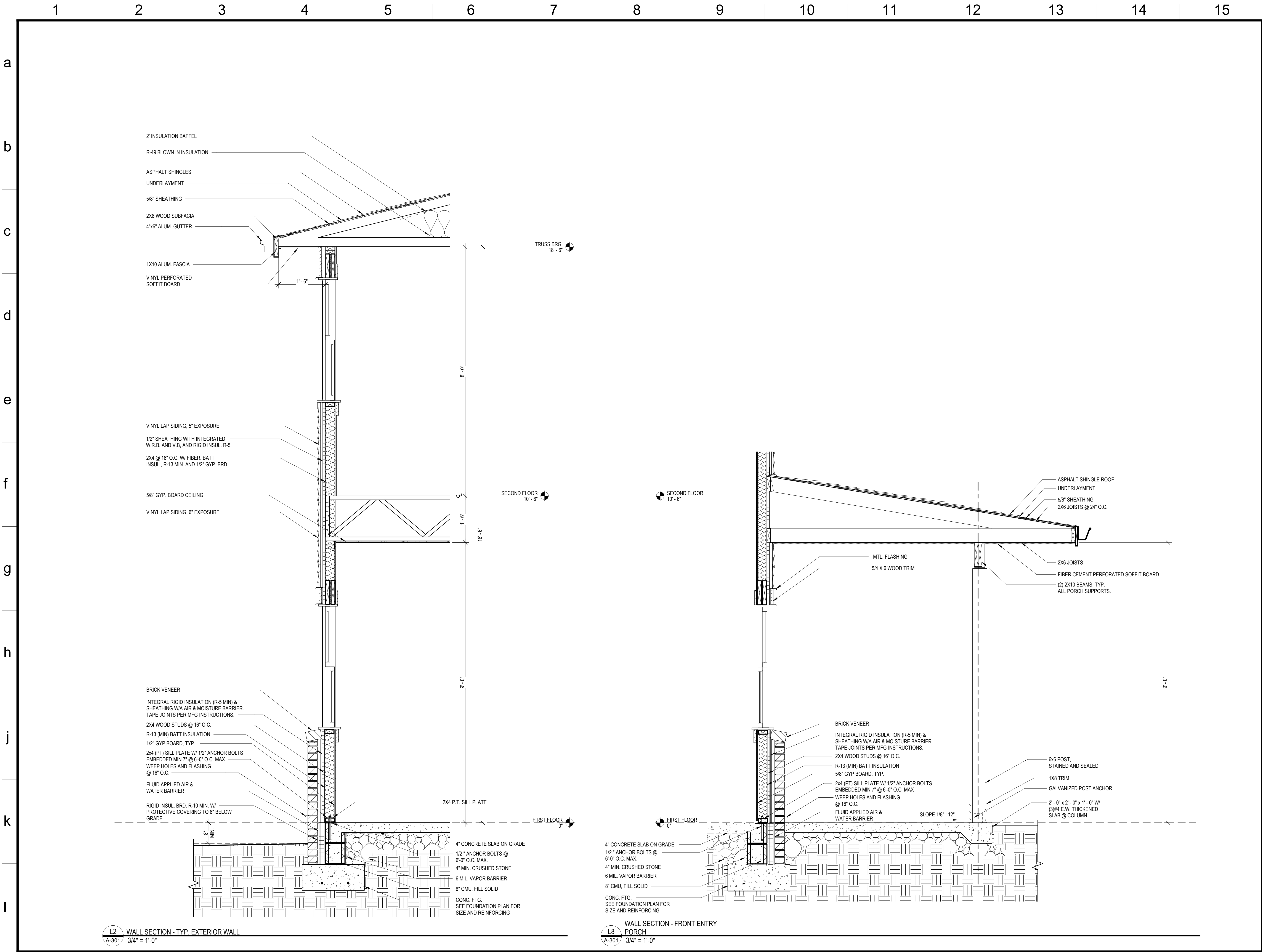
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EXTERIOR ELEVATIONS AND BUILDING SECTIONS

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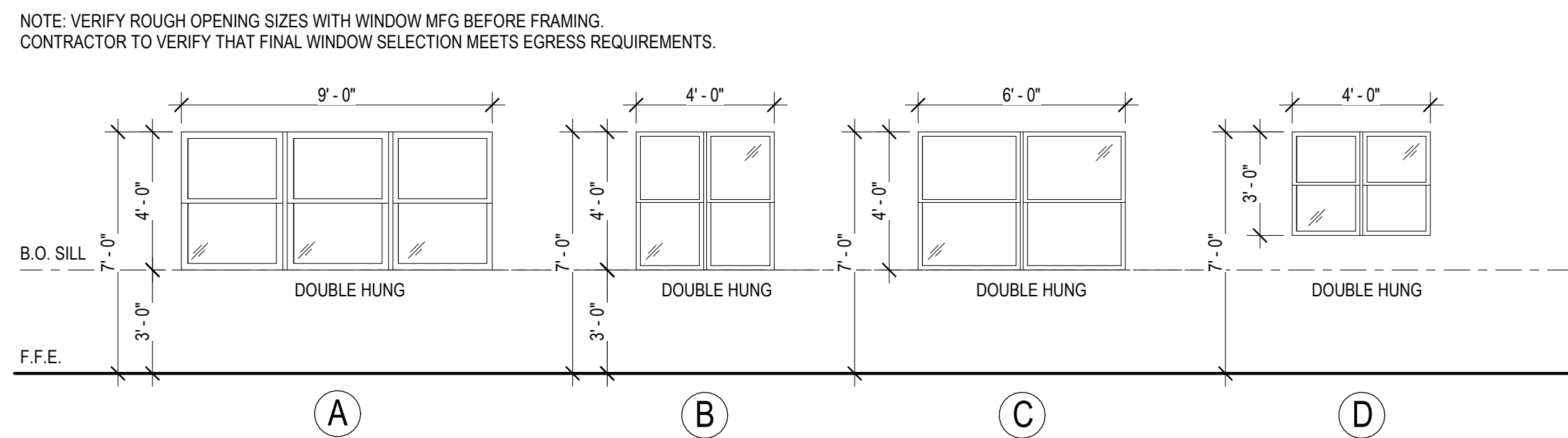


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WALL SECTIONS

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A cross-sectional diagram of a window installation. The diagram shows a window unit with a frame. To the left of the window frame, horizontal vinyl siding is shown. A metal flashing (MTL FLASHING) is installed over the siding and under the window frame. To the right of the window frame, a sealant is applied between the frame and the wall. A 1x4 wood trim is installed over the sealant and the wall. The diagram illustrates the proper sequencing of materials to ensure a watertight seal.

HORIZONTAL VINYL SIDING

MTL FLASHING

SEALANT

1 X 4 WOOD TRIM

L3	WINDOW HEAD/JAMB/SILL - VINYL
A-601	3" = 1'-0"

Architectural floor plan of the first floor. The plan shows a central kitchen area with a sink and a curved countertop. To the left is a large open space, and to the right is a smaller room with a door. The plan is labeled "FIRST FLOOR" and includes a north arrow.

WATERPROOF SILL PAN

SEALANT

FLASHING TAPE

SEALANT

SLOPED SHIM

3/4" WOOD STOOD

1 X 4 WOOD TRIM

2 X 4 SILL

2X4 STUD WALL

WEEP HOLES @ 16" O.C.

FLASHING

RIGID INSULATION

SILL

23025

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
a															
b															
c															
d															
e															
f															
g															
h															
i															
j															
k															
l															

SPECIFICATIONS

DIVISION 3 - CONCRETE

SECTION 03 30 10 - CAST-IN-PLACE CONCRETE

- A. CONCRETE MIX: SHALL BE IN ACCORDANCE WITH ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS AND ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND THE CRSI. AS FOLLOWS:
- a. COMPRESSIVE STRENGTH AT 28 DAYS:
 - FOOTINGS AND SLABS: 3,000 PSI MIN.
 - SIDEWALKS AND EXPOSED EXTERIOR SLABS: 4,000 PSI MIN.
 - b. PORTLAND CEMENT: ASTM C 150, TYPE I OR II OR TYPE III.
 - c. 40% FLY ASH, TYPE F OR S.
 - d. WATER/CEMENT RATIO: 0.45 MAX.
 - e. SLUMP: 3"-5" MAX.
 - f. AIR ENTRAINMENT, EXTERIOR ONLY: 5-7%, ASTM C260
 - g. ADMIXTURES ONLY AS APPROVED BY ARCHITECT
 - h. CALCIUM CHLORIDE SHALL NOT BE USED IN CONCRETE MATERIALS.
- B. REINFORCING
- a. REBAR: ASTM A 615 GRADE 60
 - b. WELDED WIRE FABRIC: ASTMA A 185
 - c. FIBERMESH: 1 LB/CY MIN.
 - d. DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO ACI 315 MANUAL OF STANDARD PRACTICE FOR DETAILS AND DETAILING OF REINFORCEMENT (LATEST EDITION)
- C. MISCELLANEOUS STEEL
- a. EMBEDDED STRUCTURAL STEEL SHALL BE ASTM A36, U.N.O.
 - b. ANCHOR BOLTS: ASTM F1554 GRADE 36 HEADED OR THREADED ROD, U.N.O.; "J" BOLTS NOT ALLOWED.
- D. MIX AND PLACEMENT SHALL CONFORM TO ACI 301, ACI 318, AND CRSI
- a. ACI 302 "GUIDE FOR CONCRETE FLOOR AND SLAB CONSTRUCTION"
 - b. ACI 308 "STANDARD PRACTICE FOR CURING CONCRETE"
- E. FINISH:
- a. INTERIOR: SMOOTH TROWEL FINISH, U.N.O.
 - b. EXTERIOR: LIGHT BROOM FINISH, U.N.O.
- F. CURING COMPOUND: IN ACCORDANCE WITH ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".
- G. SEALER: CLEAR, WATERBORNE, MEMBRANE FORMING CURING COMPOUND, ASTM C 309, TYPE I, CLASS B, WITH 30% SOLIDS.
- H. TESTING OF CONCRETE SHALL BE PER ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (LATEST EDITION).
- I. FORMWORK: NON-STRUCTURAL CONCRETE FORMWORK MAY BE REMOVED AS SOON AS CONCRETE HAS HARDENED ENOUGH TO RESIST DAMAGE FROM THE FORMWORK REMOVAL PROCESS.
- J. CONTRACTION JOINTS: PLACE GRADE SLAB CONTRACTION JOINTS AS SHOWN ON THE PLAN. SAWCUT CONTRACTION JOINTS MUST BE CUT AS SOON AS THE CONCRETE IS HARD ENOUGH SO THAT THE BLADE DOES NOT DISLODGE AGGREGATE OR RAVEL THE EDGES.

DIVISION 4 - MASONRY

SECTION 04 15 00 - COMMON WORK RESULTS FOR MASONRY

- A. MORTAR: TYPE 'S', 1,800 PSI MIN. ASTM C 150, TYPE I OR II.
- a. HYDRATED LIME ASTM C 207
 - b. COLOR: AS SELECTED BY ARCHITECT.
 - c. SAND: NATURAL
- B. GROUT: 2,000 PSI MIN.
- C. AGGREGATE: ASTM C 404
- D. REINFORCING BAR
- a. REBAR: ASTM A 615, GRADE 60
 - b. CONFORM TO ACI 315, "MANUAL OF STANDARD PRACTICE"
 - c. LAP SPLIC: 48 BAR DIAMETERS MIN.; DEVELOPMENT SHALL BE 36 BAR DIAMETERS, U.N.O.
- E. HORIZONTAL JOINT REINFORCING: LADDER-TYPE WITH 9GA. RODS. SPACE 16 INCHES O.C. VERT, U.N.O. ASTM A 951.
- F. ANCHORS: HOT DIPPED GALVANIZED, SCREW ATTACHED, ADJUSTABLE HT. TRIANGULAR TIE SECTION FOR MASONRY VENEERS. INSTALLED ONE PER 2.667 SF.
- G. ACCESSORIES:
- a. CONTROL JOINTS: PREMOLDED RUBBER
 - b. EXPANSION JOINTS: BACKER ROD WITH SEALANT
 - c. CONCEALED THRU WALL FLASHING, EPDM, 0.040 THICK
 - d. EXPOSED FLASHING, PREFINISHED METAL W/ HEMMED EDGES.
 - e. WEEP HOLES: RECYCLED POLYESTER MESH, 90% OPEN AIR. INSTALL FULL HEAD JOINT, EVERY 3RD BRICK OR 24" MAX. COLOR TO MATCH MORTAR.

SECTION 04 20 00 - UNIT MASONRY

- A. CONCRETE UNIT MASONRY:
- a. HOLLOW LOAD-BEARING CMU: ASTM C90, NORMAL WEIGHT, 1,900 PSI MIN. NOMINAL 8" X 16"
 - b. EXPOSED FACE: SMOOTH FACED.
 - c. PATTERN: RUNNING BOND; JOINTS TO BE TOOLED, CONCAVE.
- B. BRICK: FACE BRICK, ASTM C 216, GRADE SW, TYPE FBS. MODULAR SIZE, COLOR AND PATTERN TO MATCH EXISTING BUILDING.

DIVISION 6 - WOOD AND PLASTIC

SECTION 06 10 00 - ROUGH CARPENTRY

- A. FRAMING AND BLOCKING: NO. 2 KD, SOUTHERN YELLOW PINE. TREATED WOOD WHEN IN CONTACT WITH MASONRY, CONCRETE, OR STEEL. MOISTURE CONTENT NOT TO EXCEED 19%, DRESSED.
- B. COMPOSITE INSULATING WALL SHEATHING
- a. BASIS-OF-DESIGN: HUBER 'ZIP SYSTEM' CONSISTING OF PLYWOOD OR OSB STRUCTURAL WALL SHEATHING, EXTERIOR OR EXPOSURE 1, SPAN RATING NOT LESS THAN 240; RIGID POLYISOCYANURATE INSULATION, R-VALUE AS NOTED ON DRAWINGS; AND VAPOR BARRIER, MIN. 12 PERMS.
 - b. SEAL JOINTS USING SELF-ADHERING SEAM AND FLASHING TAPE.
- C. PLYWOOD OR OSB WALL SHEATHING: EXTERIOR OR EXPOSURE 1, SPAN RATING NOT LESS THAN 240. MIN. 1/2" THICKNESS.
- D. PLYWOOD OR OSB ROOF SHEATHING: EXTERIOR OR EXPOSURE 1, SPAN RATING NOT LESS THAN 24 / 0. MIN. THICKNESS 5/8".

SECTION 06 20 00 - FINISH CARPENTRY

- A. INTERIOR STANDING AND RUNNING WOOD TRIM
- a. MOLDINGS, PAINTED: PAINT-GRADE EASTERN WHITE, IDAHO WHITE, LODGEPOLE, PONDEROSA OR SUGAR PINE. WWMPA WM4.
 - b. MOLDINGS, STAINED:
 - c. RAILINGS: CLEAR, HARD MAPLE.
- B. SHELVING:
- a. 3/4" FIR PLYWOOD, A-B GRADE, INTERIOR.

SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK

- A. PLASTIC LAMINATE CABINETS:
- 1. 3/4" EXTERIOR A-B GRADE, HPVA HP-1 HARDWOOD PLYWOOD.
 - 2. HIGH PRESSURE DECORATIVE LAMINATE: NEMA LD 3.
 - 3. CABINET HARDWARE - COMPLY WITH BHMA A156.9
 - a. FRAMELESS CONCEALED HINGES - BHMA A 156.9, B01602, 170 DEG. OPENING
 - b. BACK MOUNTED WIRE PULLS: 4" LONG X 5/16" DIA.
 - c. ADJUSTABLE SHELF STANDARDS & SUPPORTS
 - d. SHELF RESTS BHMA A156.9, B04013
 - e. EXPOSED HARDWARE FINISHES: SATIN CHROMIUM
 - 4. COMPLY W/ AWI SECTION 400 LAMINATE CABINETS, WIG SECTION 15, GRADE-CUSTOM
 - 5. CABINET CONSTRUCTION
 - a. FLUSH OVERLAY
 - b. 1/2" REVEAL
 - c. PLASTIC LAMINATE VENEER FOR EXPOSED SURFACES
 - d. MATERIAL FOR SEMI EXPOSED SURFACES
 - 1) OTHER THAN DRAWER BODIES: THERMOSET DECORATIVE OVERLAY
 - 2) DRAWER SIDES & BACKS: THERMOSET DECORATIVE OVERLAY
 - 3) DRAWER BOTTOMS: HARDWOOD PLYWOOD
 - e. COLORS & PATTERNS: AS SELECTED BY ARCHITECT FROM MFG'S STANDARDS.
- B. COUNTERTOPS
- 1. SOLID SURFACE
 - 1/2" (12MM) THICK, WITH EASED EDGE AND 3 1/2 INCH BACK SPLASH.
 - BASIS-OF-DESIGN: CORIAN BY DUPONT, TERRA SERIES. COLOR: 'MEDEA'.

DIVISION 7 - THERMAL & MOISTURE PROTECTION

SECTION 07 10 00 - DAMPPROOFING

- A. UNDER SLAB: 6 MIL POLYETHYLENE SHEET.

SECTION 07 21 00 - THERMAL INSULATION

- A. FIBERGLASS BATT INSULATION: ASTM C 865, TYPE I (UNFACED).
- B. MINERAL FIBER (ROCK WOOL) LOOSE FILL: ASTM C 764-02
- C. MINERAL FIBER/ROCK WOOL FIBER BOARD INSULATION: ASTM C 612, COMPRESSIVE STRENGTH OF 720 PSF. WATER RESISTANT, SIMILAR TO 'THERMAFIBER RAIN BARRIER 110" BY OWENS CORNING.
- D. POLYISOCYANURATE BOARD INSULATION
- a. ASTM C 1289, TYPE I (ALUM FOIL FACER), CLASS 1 OR 2.
 - b. ASTM C 1289, TYPE II (GLASS FIBER/ORGANIC MAT), CLASS 1.
 - c. ROOF, TOP LAYER: POLYISOCYANURATE, ASTM C 1289, TYPE V(OSB BASE). 7/16 INCH THICK OSB BONDED TO UPPER SURFACE.
- E. EXTRUDED POLYSTYRENE (XPS) BOARD INSULATION
- a. ASTM C 578, TYPE X (15PSF COMPRESSIVE STRENGTH, 1.30 LBS. PER CUBIC FEET)
- F. FOAM SEALANT: EXPANDABLE, CLOSED-CELL.
- G. R-VALUE: NOTED ON DRAWINGS.

07 31 13 - ASPHALT SHINGLES

- A. UNDERLAYMENT
- a. BASIS-OF-DESIGN: 'WEATHERLOCK' MAT SELF SEALING ICE & WATER BARRIER, AS MANUFACTURED BY OWENS-CORNING.
 - b. INSTALL IN ACCORDANCE WITH MFG'S DIRECTIONS.
- B. DRIP EDGE
- a. PREFINISHED, GALVANIZED METAL EDGE INSTALLED AT ROOF EDGES
 - b. COLOR AS SELECTED BY OWNER FROM MFG'S STANDARD.
- C. SHINGLES
- a. STYLE, WIGHT AND WARRANTY: AS SELECTED BY OWNER
 - b. INSTALL SINGLES USING GALVANIZED ROOFING NAILS IN ACCORDANCE WITH MFG'S DIRECTIONS, DO NOT STAPLE.
 - c. VALLEYS TO BE SHINGLED BY WOVEN METHOD.

SECTION 07 41 13 - METAL ROOF PANELS

- A. BASIS OF DESIGN: 'SUPER LOK' AS MANUFACTURED BY MBCI. 24 GAUGE GALVALUME STANDING SEAM METAL ROOF, 16" COVERAGE, CONCEALED FASTENING.
- B. FINISH: FACTORY APPLIED, KYNAR 500 FINISH. WARRANTY: 20 YR. MIN. OR APPROVED EQUAL.
- C. PROVIDE COLOR MATCHED EDGES, FASCIAS, & TRIM PIECES.

SECTION 07 46 35 - VINYL SIDING

- A. BASIS-OF-DESIGN: 'CALIBER' AS MANUFACTURED BY GEORGIA-PACIFIC.
- B. SIDING:
- a. DOUBLE 6" EXPOSURE WITH EPS BACKED INSULATION, R-2.8 MIN.
 - b. THICKNESS: 0.044" MIN. VINYL; 1 1/8" OVERALL
 - c. ACCESSORIES: MFG'S STANDARD WINDOW & DOOR SURROUNDS, OUTSIDE CORNER, INSIDE CORNER, STARTER STRIP, J-CHANNEL, ETC.
- C. SOFFIT:
- a. SAME MFG. AS SIDING AND TRIM.
 - b. TRIPLE 4" SOFFIT, CENTER VENTED WHERE INDICATED ON DRAWINGS.
 - c. CENTER VENTED WHERE INDICATED ON DRAWINGS, NET FREE AIR SPACE: 1.95 SQ IN/SF
- D. FASCIA:
- a. SAME MFG. AS SIDING AND TRIM.
 - b. 8" HIGH IN 12' LENGTHS
- E. FASTENERS
- a. ALUMINUM, 5056 OR 6110 ALLOY
- F. COLOR:
- a. SIDING: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF PREMIUM DARK COLORS.
 - b. FASCIA AND SOFFIT: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE OF STANDARD COLORS
- WARRANTY: MANUFACTURER'S LIMITED LIFE-TIME.

SECTION 07 46 46 - FIBER CEMENT SIDING

- A. BASIS-OF-DESIGN: 'CERTAINTED 'WEATHERBOARDS' FIBER CEMENT SIDING, JAMES HARDIE 'HARDIE BOARD', OR APPROVED EQUAL.
- B. SOFFIT BOARD: UNVENTED SOFFIT BOARD.
- C. INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.

SECTION 07 92 00 - JOINT SEALANTS

- A. INTERIOR: MILDEW-RESISTANT SILICONE SEALANT. TYPE S, GRADE NS, CLASS 25, NT. VOC LIMIT LESS THAN 250g/L.
- B. EXTERIOR, NON-TRAFFIC: SINGLE COMPONENT, NON-SAG URETHANE. TYPE S, GRADE NS, CLASS 25, NT.
- C. EXTERIOR, TRAFFIC: SINGLE COMPONENT, NON-SAG URETHANE. TYPE S, GRADE NS, CLASS 25, T.

DIVISION 8 - DOOR AND WINDOWS

SECTION 08 10 00 - OVERHEAD DOORS

- A. GARAGE DOOR AS SELECTED BY OWNER.

SECTION 08 14 00 - WOOD DOORS

- A. AS SELECTED BY OWNER.

SECTION 08 53 13 - VINYL WINDOWS

- A. WINDOWS: VINYL (PVC) WINDOW, W/ INTEGRAL NAILING FIN AND FLAT CASING FOR EXTERIOR. AS MFG. BY JELD-WEN OR APPROVED EQUAL.
- B. AAMA/WDMA 1011.5.2/A440-05, STANDARD SPECIFICATION FOR WINDOWS, DOORS AND UNIT SKYLIGHTS AND
- C. AAMA 303, SPECIFICATION FOR RIGID PVC EXTERIOR PROFILES
- D. OPERATION: AS INDICATED ON DRAWINGS.
- E. GLASS: 3/4" INSULATED, LOW-E, IMPACT RESISTANT
- F. U-FACTOR
- a. FIXED: 0.38 MAX.
 - b. OPERABLE: 0.45 MAX.
- G. SHGC: 0.36 MAX.
- H. FINISH:
- a. EXTERIOR: INTEGRAL COLOR
 - b. INTERIOR: INTEGRAL COLOR
- I. FINISH: LAMINATED FOIL MEETING AAMA 303 & 613

SECTION 08 70 00 - HARDWARE

- A. HINGES: MORTISE BUTT TYPE HINGES, THREE (3) PER DOOR, UNO. HINGES FOR EXTERIOR APPLICATIONS SHALL HAVE NON-REMOVABLE PINS. MANUFACTURERS: HAGER OR STANLEY.
- B. LOCKS AND LOCKSETS: RESIDENTIAL GRADE, WITH LEVER HANDLES, STYLE AS SELECTED BY OWNER.
- C. FINISHES: AS SELECTED BY OWNER.

SECTION 08 81 00 - GLASS GLAZING

- A. ANNEALED FLOAT GLASS, ASTM C 136, TYPE I (TRANSPARENT, FLAT), QUALITY q3, CLASS I. MINIMUM 90% LIGHT TRANSMISSION.
- B. HEAT-TREATED FLOAT GLASS (TEMPERED), ASTM C 1048, TYPE I, QUALITY q3. WHERE REQUIRED BY BUILDING CODE OR NOTED ON DRAWINGS.
- C. INSULATED: FACTORY ASSEMBLED, ASTM E 774 FRO CLASS CBA. DUAL SEAL. KIND HS AND FT WHERE REQUIRED BY THE IBC. 1" THICK WITH LOW-E COATING ON 2ND OR 3RD FACE.
- D. MIRRORS: 1/4" THICK FLOAT OR PLATE COMPLYING WITH FS 00-G-451, TYPE I, QUALITY Q2. SIZE AS APPROPRIATE FOR LOCATION AND USAGE.

DIVISION 9 - FINISHES

SECTION 09 29 00 - GYPSUM BOARD

- A. GYPSUM WALL BOARD, ASTM C 36. REGULAR TYPE, 5/8" THICKNESS, UNO. INSTALLED & FINISHED ACCORDING TO MFG. INSTRUCTIONS.
- B. TYPES:
- 1. STANDARD: STANDARD TAPERED EDGE
 - 2. FIRE-RESISTANT: TYPE "X", AT FIRE-RATED WALLS AND WHERE NOTED ON DRAWINGS.
 - 3. MOISTURE RESISTANT:
 - A. AT WET WALLS WITH PLUMBING FIXTURES
 - B. AS SUBSTRATE FOR CERAMIC TILE FINISH, U.N.O.
- C. TILE BACKING PANELS: CEMENTIOUS BACKER UNITS, ANSI A118.9. INSTALLED ACCORDING MFG. INSTRUCTIONS. ACCEPTABLE PRODUCTS:
- 1. CUSTOM BUILDING PRODUCTS, WONDERBOARD
 - 2. FINPAK, INC., U7L1-A-DRETE CONCRETE-BACKER BOARD
 - 3. UNITED STATES GYPSUM CO., DUROCK CEMENT BOARD
- D. PROVIDE NECESSARY METAL CORNER BEADS, J MOLDS, AND TRIM ACCESSORIES.
- E. SOUND ATTENUATION BATTS: ASTM C 665, TYPE I, BLANKETS WITHOUT MEMBRANE FACING, MADE WITH MINERAL FIBERS FROM GLASS, SLAG WOOL, OR ROCK WOOL COMBINED WITH THERMOSETTING RESINS.
- F. TAPE AND FINISH JOINTS IN ACCORDANCE WITH ARTICLE 10, ASTM C 840: FINISH LEVEL 4.

SECTION 09 65 00 - RESILIENT TILE

- A. LUXURY VINYL COMPOSITION TILES (LVT):
- 1. BASIS-OF-DESIGN: ARMSTRONG "NATURAL CREATIONS".
 - 2. INSTALLATION: I-SET SYSTEM WITH ADHESIVE AS RECOMMENDED BY MFG.
 - 3. PATTERN: RANDOM UNLESS OTHERWISE SELECTED BY OWNER.
 - 4. COLOR: AS SELECTED BY OWNER FROM MFG'S FULL PALETTE.
 - 5. CLASS: ASTM F 1700 CLASS III, TYPE B (EMBOSSED SURFACE).
 - 6. SIZE 9" X 48"
 - C. ADHESIVE: LOW-EMITTING, VOC < 50g/L

SECTION 09 91 13 - EXTERIOR PAINTING

- A. PREPARATION: EXISTING SURFACES TO BE THOROUGHLY CLEANED. REMOVE DIRT, GREASE, AND OTHER CONTAMINANTS TO PROVIDE SATISFACTORY SURFACE FOR NEW PAINT RETENTION.
- B. PAINT MATERIALS AS MANUFACTURERS BY ONE OF THE FOLLOWING: BENJAMIN-MOORE, ICI DELUX, PITTSBURG PAINTS, SHERWIN-WILLIAMS, OR APPROVED EQUAL.

SECTION 09 91 23 - INTERIOR PAINTING

- A. PREPARATION: EXISTING SURFACES TO BE THOROUGHLY CLEANED. REMOVE DIRT, GREASE, AND OTHER CONTAMINANTS TO PROVIDE SATISFACTORY SURFACE FOR NEW PAINT RETENTION.
- B. PAINT MATERIALS AS MANUFACTURERS BY ONE OF THE FOLLOWING: BENJAMIN-MOORE, ICI DELUX, PITTSBURG PAINTS, SHERWIN-WILLIAMS, OR APPROVED EQUAL.
- C. VOC LIMITS:
- a. FLAT FINISH: LESS THAN 50g/L
 - b. NON-FLAT FINISH: LESS THAN 150g/L
- D. PAINT SCHEDULE:

WOOD:	INT 6.3T
	1 COAT LATEX ACRYLIC PRIMER
	2 COATS LATEX FINISH G3 EGGSHELL
GYPSUM WALLBOARD:	MPI SYSTEM INT 9.2A (LATEX EGGSHELL OVER LATEX SEALER)
	1 COAT LATEX BASED PRIMER
	2 COATS LATEX FINISH G4 SATIN

DIVISION 31 - EARTHWORK

SECTION 31 23 00 - EXCAVATION AND FILL

- A. EXCAVATION MATERIALS THAT ARE NOT NEEDED FOR OR ARE UNSUITABLE FOR FILL SHALL BE REMOVED AND DISPOSED OF ON SITE TO PROVIDE POSITIVE DRAINAGE FOR EXISTING LOW LYING AREAS OF THE SITE.
- B. UNDERCUT AND REMOVE EXISTING TOPSOILS AT FOUNDATIONS, BUILDING SLAB, AND AT LEAST 5 FEET BEYOND THE OUTSIDE EDGE OF FOUNDATION. SUBGRADE AT BUILDING SHALL BE COMPACTED PRIOR TO FILL OR BASE PREPARATION.
- C. AGGREGATE FOR STRUCTURE SUPPORT AND BACKFILL SHALL BE NO. 57 OR NO. 67 STONE.
- D. COMPACTION UNDER AND WITHIN 10' OF BUILDING, STRUCTURES AND PAVED AREAS TO BE 98% STANDARD PROCTOR PER AASHTO T-99. THE FINAL 24" BENEATH PARKING, AND THE FINAL 12" BELOW BUILDING SLAB SHALL BE COMPACTED TO 100% STANDARD PROCTOR. MOISTURE CONTENT TO BE 83% OF OPTIMUM DETERMINED FROM PROCTOR DENSITY TEST. BACKFILL TO BE PLACED IN MAXIMUM OF 8" DEEP LAYERS, LOOSE.

SECTION 31 31 16 - TERMITE CONTROL

- A. TERMITE TREATMENT FOR ENTIRE SURFACE OF NEW FLOOR SLAB AND BOTH SIDES OF NEW FOUNDATION WALLS, WHERE APPLICABLE. USE EPA-REGISTERED TERMITICIDE; RATES OF APPLICATION TO BE PER STANDARDS OF TENNESSEE DEPARTMENT OF AGRICULTURE. ONE YEAR GUARANTEE, RENEWABLE.

SECTION 31 22 19.13 - SPREADING AND GRADING TOPSOIL

- A. FERTILE, FRIABLE, AND LOAMY; FREE OF ROOTS, ROCK, AND CLODS.

DIVISION 32 - EXTERIOR IMPROVEMENTS

SECTION 32 92 00 - TURF AND GRASSES

- A. SEED DISTURBED AREAS NOT COVERED WITH NEW BUILDING OR PAVING. PROVIDE MINIMUM 4" TOPSOIL. SEED OUTSIDE OF DOG ENCLOSURE TO BE REBEL ULTIMATE FESCUE, 96% GERMINATION. INSTALLED & FERTILIZED ACCORDING MFG. RECOMMENDATIONS
- B. MULCH TO BE WHEAT OR OAT STRAW, FREE OF WEEDS.

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SPECIFICATIONS

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