

ABBREVIATIONS MATERIAL TONGUE AND GROOVE ACOUSTIC TILE CEILING (SUSPENDED) MAXIMUM TILE BASE ALUM ALUMINUM METAL DECK TO BE CONFIRMED ANODIZED MANUFACTURER TELEPHONE ACOUSTIC PANELS MINIMUM THICK MISCELLANEOUS THRESHOLD CORNER GUARD TENANT IMPROVEMENT METAL CLEAR FINISH TOP OF CONCRETE CENITRE LINIE NOT APPLICABLE TOP OF DOOR (FRAME) CMU COL CONC CONCRETE MASONRY UNIT TOS NATURAL TOP OF SLAB COLUMN TOW NOTICE BOARD TOP OF WALL CONCRETE TSTAT NOT IN CONTRACT **THERMOSTAT** CARPET TYP NO. OR # NUMBER TYPICAL CPT **CARPET TILE** NOMINAL CT C/W **CERAMIC TILE** UC U/G NOISE REDUCTION COEFFICIENT UNDERSIDE OF CEILING COMPLETE WITH UNDERGROUND NOT TO SCALE UNFIN UNFINISHED DEEP UNIV UNO OD OUTSIDE DIAMETER UNIVERSAL DIAMETER UNLESS OTHERWISE NOTED DIFFUS DIFFUSER P/CON PRECAST CONCRETE **UPHOLSTERY** DIM DWG DIMENSION UPD U/S **PCON** POLISHED CONCRETE **UPHOLSTERED** DRAWING UNDERSIDE PERP PERPENDICULAR UTIL. UWC ELEVATION PLAM UNDERSIDE OF WOOD CEILING ELEC ELEV EM ENG PLASTIC LAMINATE ELECTRICAL PANEL ELEVATION VENT VENTILATION / VENT PIPE POLISHED **EMERGENCY** VERT VEST PRELIM PRELIMINARY VERTICAL **ENGINEER** VESTIBULE PREP PREPARE EQ EQUIP EXIST EQUAL PROP PROPOSED **VINYLTILE** EQUIPMENT PRESSED STEEL (FRAME) **EXISTING** PAINTED WITH EXP EXT **EXPOSED** WIDE/WEST PARTITION **EXTERIOR** POLYVINYL CHLORIDE WOOD BASE PLYWOOD W/D WASHER AND DRYER REFRIGERATOR WD POWER WOOD FLOOR DRAIN WH WATER HEATER FIRE DAMPER QUANTITY WM WIRE MESH FDN **FOUNDATION** W/O WITHOUT FIRE EXTINGUISHER **RADIATOR** WOOD PANELS FINISHED FLOOR LEVEL RESILIENT ATHLETIC FLOORING RUBBER BASE **FLOORING** RECTANGULAR **FLUOR FLUORESCENT** REFERENCE FIREPROOF REQD FRR REQUIRED FIRE RESISTANCE RATING REVEAL FTG FOOTING REV REVISION **FURN** FURNISHING / FURNITURE RESILIENT FLOORING FIRE STOP ROOM ROUGH OPENING **GAUGE** RUBBER **GALV** GALVANIZED GLASS / GRIDLINE SAN SANITARY GWB GYPSUM WALL BOARD SCHED SCHEDULE SOLID CORE WOOD (DOOR/PANEL) SCW HYDROCOLLATOR HEATING UNIT SHOWER DRAIN HANDICAPPED HAND / HAIR DRYER SPORTS FLOORING HDW HARDWARF SPRAY FOAM INSULATION HM HOR HOLLOW METAL (DOOR) SHOWER HORIZONTAL SHEET HSS HT HOLLOW STRUCTURAL STEEL SIMILAR HEIGHT SKETCH / SINK HTR HEATER SEALED HWHOT WATER SOLID SOLID SURFACE INCL INFO INCLUDING SURFACE MOUNTED INFORMATION SANITARY NAPKIN DISPENSER / DISPOSAL INSUL INT INSULATE / INSULATION SPANDREL INTERIOR SPECIFICATION INV INVERT SPRINKLER JUNCTION BOX STAINLESS STEEL KICK PLATE SOUND TRANSMISSSION COEFFICIENT RATING **ANGLE** STANDARD LENGTH STGR STAGGERED LAMINATE STAINED LAQUER STOR STORAGE LAVATORY STRUCT STRUCTURE / STRUCTURAL LEVEL STONE TILE LINO LINOLEUM SUSP SUSPEND LIGHT **SWITCH** LIGHTING

LOWER

SYMBOLS GRIDLINE REFERENCE DETAIL / DRAWING REFERENCE BUILDING SECTIONS WALL SECTION REFERENCE INTERIOR ELEVATION OR REFERENCE MARKER - ELEVATIONS ELEVATION REFERENCE TOP OF WALL DOOR NUMBER DESIGNATION -D2 SEE DOOR SCHEDULE MILLWORK NUMBER (MI02-I) w_) WALLTYPE **FLOOR TYPE** INTERIOR GLAZED PARTITION REFERENCE G___ MATERIAL TYPE 2D SYMBOL FLOOR DRAIN / AREA DRAIN GWB CEILING MARKER ABOVE FINISHED FLOOR

2590

DRAWING LIST

LANDSCAPE

LANDSCAPE AND PLANTING PLANS STREETSCAPE AND IMPERMEABLE L3 LANDSCAPE DETAILS

ARCHITECTURAL ABBREVIATIONS, SYMBOLS, DRAWING LIST & RATIONALE

SITE PLAN A1.2 SITE CONTEXT & ROOF PLAN STREETSCAPE ANALYSIS A2.1 GARAGE

ELEVATIONS A4.1 A5.0 REFLECTIVE ELEVATIONS SECTIONS DETAILS A6.1 DETAILS

A6.2 A7.0 DETAILS AREA CALCULATIONS

DESIGN RATIONALE

The design is a considered response to the site and program that results in a unique, contemporary and energy-efficient house complementing its Kits Point neighbourhood. The building massing is broken up to maintain a neighbourly residential scale. The landscaping is carefully considered in light of its context which includes a mature and large street tree.

The massing of the building is divided into three main components each with its own material characteristics expressing subtle variations of tone and texture to emphasize the play of light and shadow which is central to the design concept. The forms are simple and sculptural, and the finishes are of good quality and durable. The stair volume, in polished concrete masonry, is set back from the other volumes and the street, and anchors the composition. The upper volume, clad in thermally-modified vertical wood siding, floats over the ground level which is highly glazed at the front and back. The ground level stucco walls on the side elevations are protected by a small overhang, by the volume above and neighbouring structures.

The main, open plan living space relates intimately to the landscape. Full-height glazed walls open up at the front and back framing views and providing a seamless connection to the gardens. Cut into the lower level volume are a series of slots in the walls and roof organizing and dividing the interior spaces using natural light. The upper floor bedroom level is expressed as a simple, rectangular tube volume punctuated by slots and openings for light penetration.

The east-west orientation of the site and relatively short lot (100') bring challenges and opportunities with respect to sun shading and parking that affect external relationships and appearance. The overhanging frame of the upper floor shades and protects the ground level and controls light and glare from the south-east and south-west. Glazing to the north elevation is minimized in line with passive energy design principals.

The site is 33' x 100' long and thus somewhat shorter than a standard Vancouver lot. The building setbacks at the front and sides conform to the requirements of the RT-9 bylaw. The overall length meets the recommendations of the design guidelines.

Though space if very limited due to the short lot, parking for the house is provided by a separated garage in the rear yard in accordance with the Bylaw and Design Guidelines.

Given the house's location close to the sea, we have included a roof deck that will provide for some distant views towards the mountains. The roof deck will be screened from neighbours by planters and railings to ensure privacy in both directions.

The new house will employ current best practices for energy efficiency. While not going for certification, the project applies Passive House principles to achieve efficiencies. These include air tightness, continuous insulation with minimal thermal bridging, quality windows and heat recovery ventilation.

PROJECT DATA

ADDRESS: 1329 CYPRESS STREET LEGAL DESCRIPTION: LOTI I BLOCK 176A DISTRICT LOT 526 NEW WESTMINSTER DISTRICT PLAN 2301 PROJECT DESCRIPTION: NEW SINGLE FAMILY HOUSE

EXISTING ZONING: RT-9 PROPOSED ZONING: RT-9

 $100.525' \times 33' (30.556 \times 10.058M)$ SITE AREA: 3317.325 SF (308.190 SM) 0.6 TO A MAXIMUM OF 0.75 (2488 SF) FSR PERMITTED: SITE COVERAGE: Maximum (45%): 1493 SF (138.7 SM) Proposed: (36.3%) 1205.00 SF (111.9 SM)

HEIGHT PERMITTED: 10.7 M, 2 ½ STOREYS HEIGHT PROPOSED: 10.1 M 2 ½ STOREYS

SETBACKS REQ'D: FRONT

REAR NOT APPLICABLE SETBACKS PROPOSED: SIDE 3'-4" (1016 MM) 17'-8" (5380 MM) FRONT REAR NOT APPLICABLE BUILDING DEPTH

40% OF SITE DEPTH TO A MAXIMUM OF 55% BUILDING DEPTH 50% OF SITE DEPTH (50'-0") PROPOSED: FIRE SUPPRESSION: SPRINKLERED

3'-4" (1016 MM)

17'-8" (5380 MM)

OFF-STREET PARKING REQUIRED: PROPOSED: 2 SPACES

FSR CALCULATIONS

SITE DIMENSIONS: 100.525' X 33' (30.556 x 10.058M) SITE AREA: 3317.325 SF (308.190 SM)

FSR PERMITTED: 0.6 TO A MAXIMUM OF 0.75 (2488 SF)

FSR PROPOSED: 2468.2 SF (230.121 SM) FLOOR AREA PROPOSED: Basement: 159.5 SF

Ground Floor: 1135 SF 1114 SF Second Floor: 135 SF Roof Deck: 2543.5 SF

1% for skylights: 25.27 SF 2% for Wall thickness: 50.00 SF 2468.2 SF

DEDUCTIONS:

CODE ANALYSIS

Garage (Excluded): 400 SF

APPLICABLE CODE: VANCOUVER BUILDING BYLAW 2019, PART 9 BUILDING HEIGHT: 2 1/2 STOREYS OVERALL BUILDING AREA: 2478 SF (230.213 SM)

NOT REQUIRED

CONSTRUCTION TYPE: COMBUSTIBLE FIRE ALARM: REQUIRED SPRINKLERS: REQUIRED STANDPIPE: NOT REQUIRED EMERGENCY LIGHTING: NOT REQUIRED

EMERGENCY POWER:

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PROJECT

Issue / Revision

Genovese Residence

1329 Cypress Street, Vancouver, BC

DRAWING

Abreviations, Symbols, Drawing List & Design Rationale

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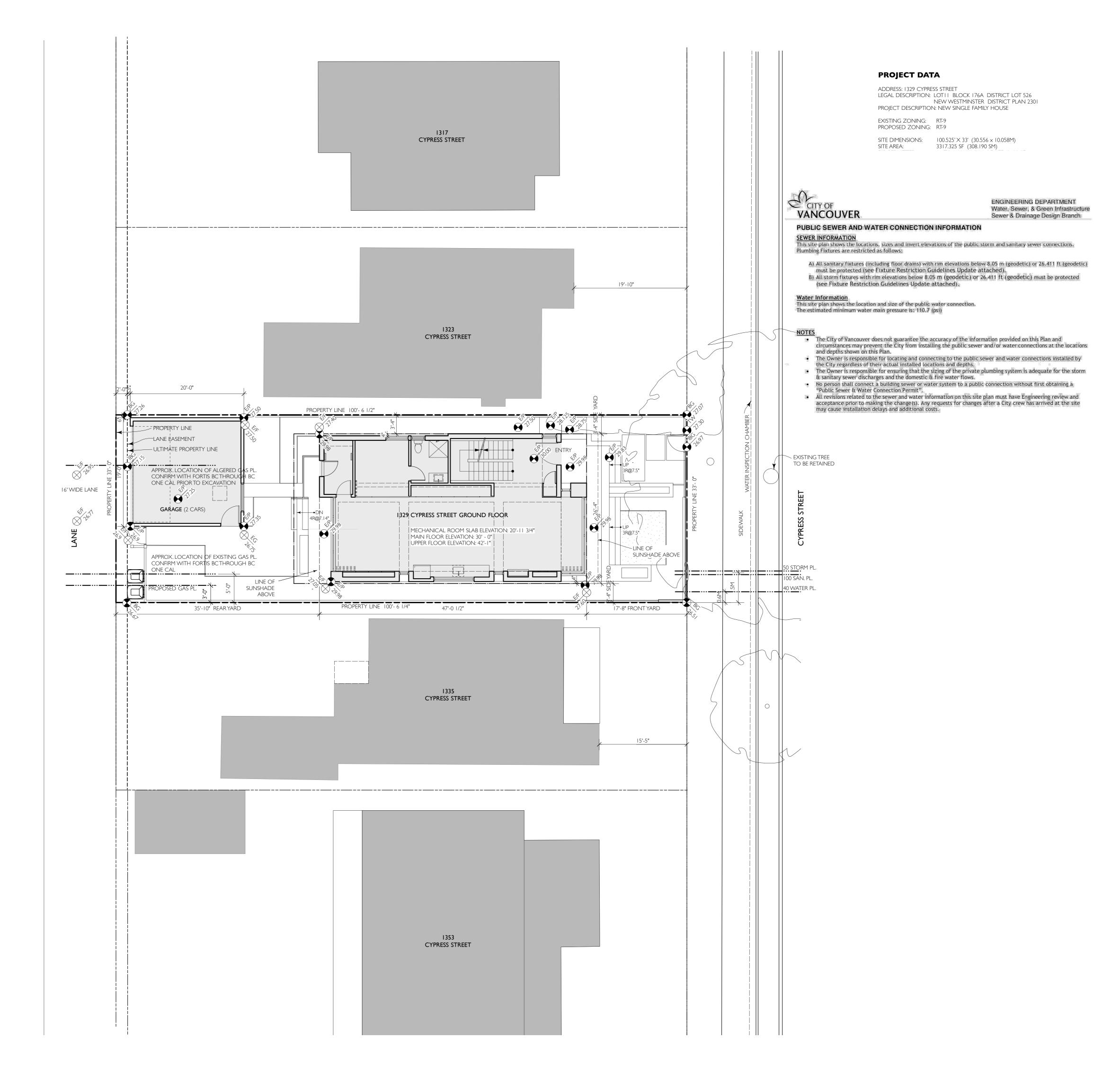
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ENGINEERING DEPARTMENT

Water, Sewer, & Green Infrastructure Sewer & Drainage Design Branch

NOTES: Tree protection plan based on ARBOURIST REPORT BY DAVEY RESOURCE GROUP & TREE SERVICES DATED JUNE 18,

2019 (updated March 25, 2020) SUBMITTED AS PART OF THIS APPLICATION OTHER:

I.TREE PROTECTION MEASURES ARE BASED ON ARBOURIST REPORT BY MOUNTAIN

MAPLE GARDEN AND TREE SERVICE LTD. REFER TO REPORT FOR MORE DETAILED INFORMATION 2. ABSOLUTELY NO ACCESS TO BE ALLOWED WITHIN TREE PROTECTION BARRIERS 3. ABSOLUTELY NO MATERIALS TO BE STORED WITHIN TREE PROTECTION

4. ABSOLUTELY NO PORTABLE TOILETS TO BE LOCATED WITH TREE PROTECTION

5. BARRIERS ARE NOT TO BE REMOVED OR ALTERED UNTIL DEMOLITION AND CONSTRUCTION HAVE BEEN COMPLETED. 6. GENERAL CONTRACTOR TO ENSURE NO SERVICES TO BE LOCATED IN TREE PROTECTION ZONE.

7. GENERAL CONTRACTOR TO ENSURE ALL TRADES AND SUBTRADES ARE AWARE AND FOLLOW TREE PROTECTION MEASURES. 8.THE INVERT ELEVATION OF SANITARY/STORM CONNECTIONS AT PROPERTY LINE IS: 6.30 M/20.67'

LEGEND:

BG BUILDING GRADE
BG INTERPOLATED BUILDING GRADE E/F EXISTING GRADE PROPOSED GRADE

TW TOE WALL

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PRIOR-TO CONDITIONS

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Site Plan

PROJECT

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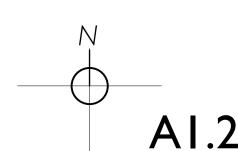
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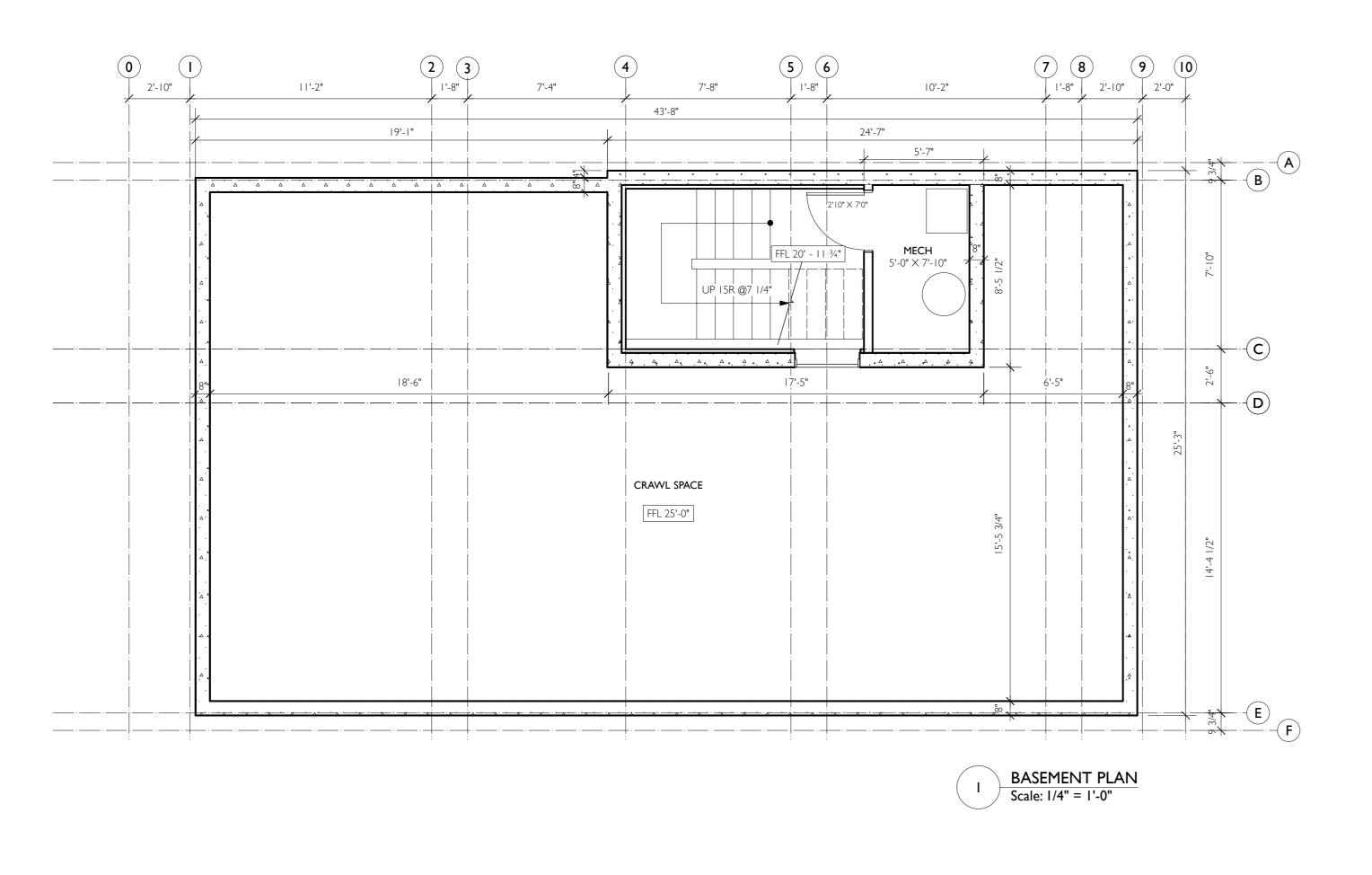
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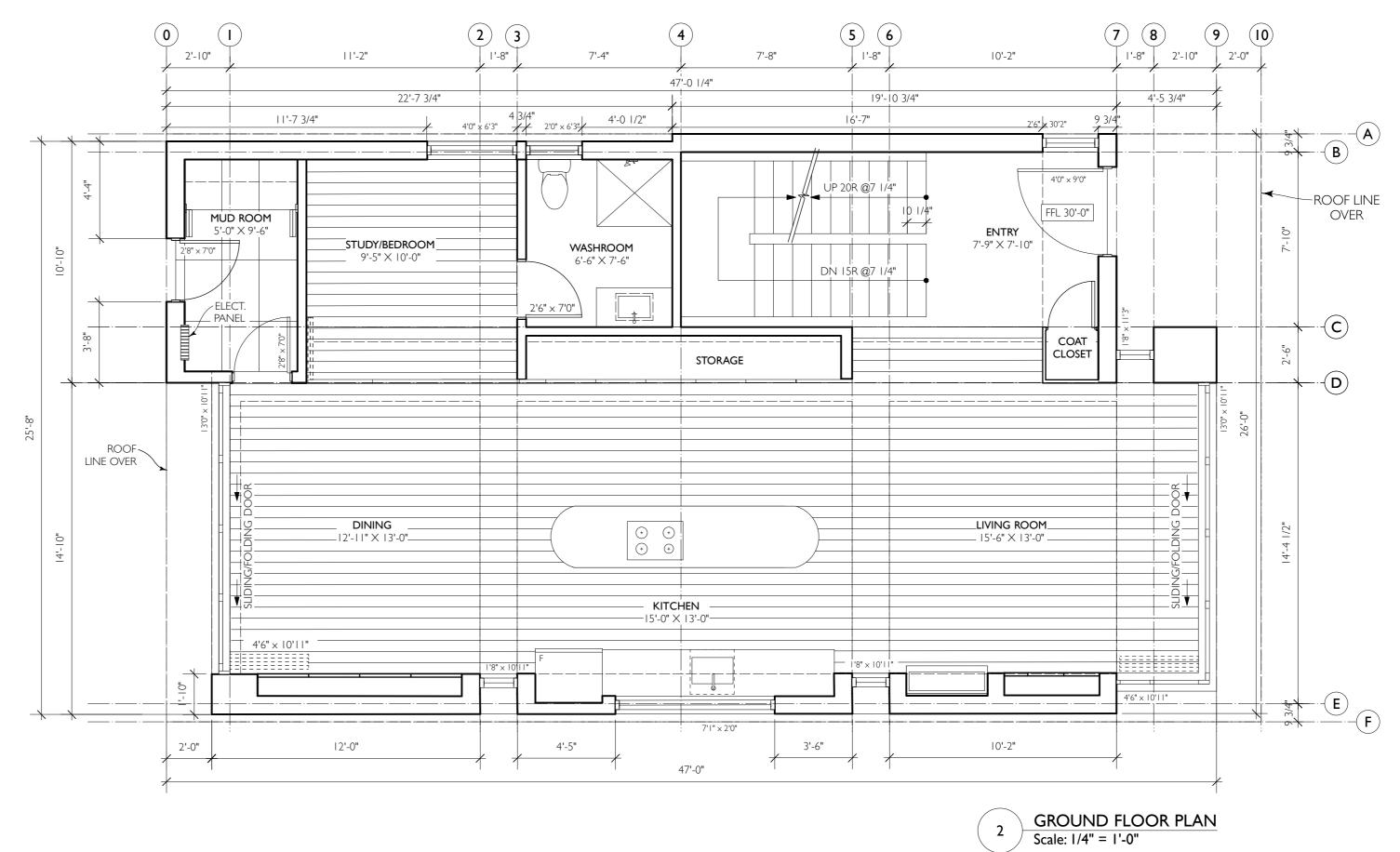
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SCALE	DATE
1/8" = 1'-0"	JUN 2019

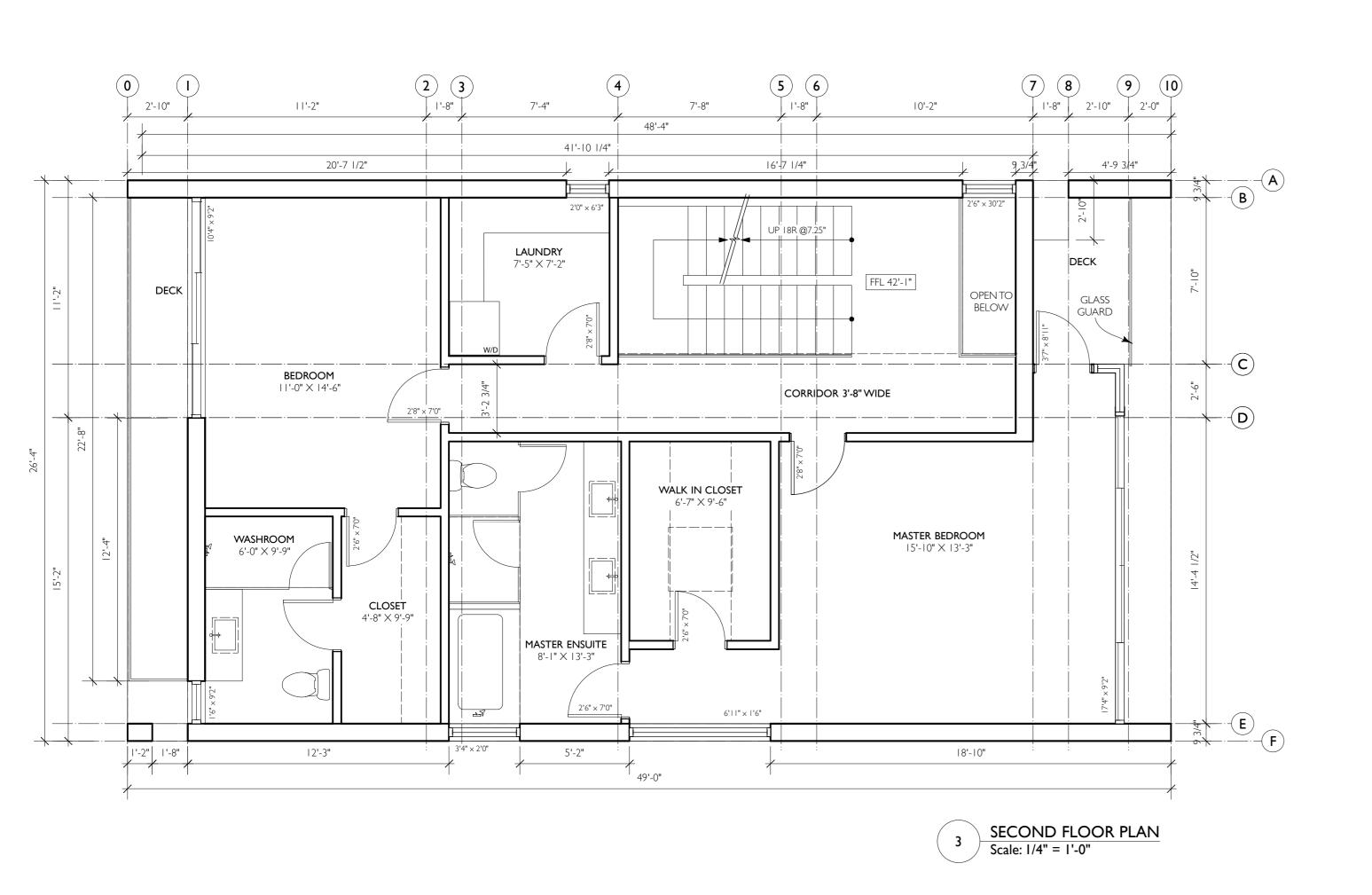
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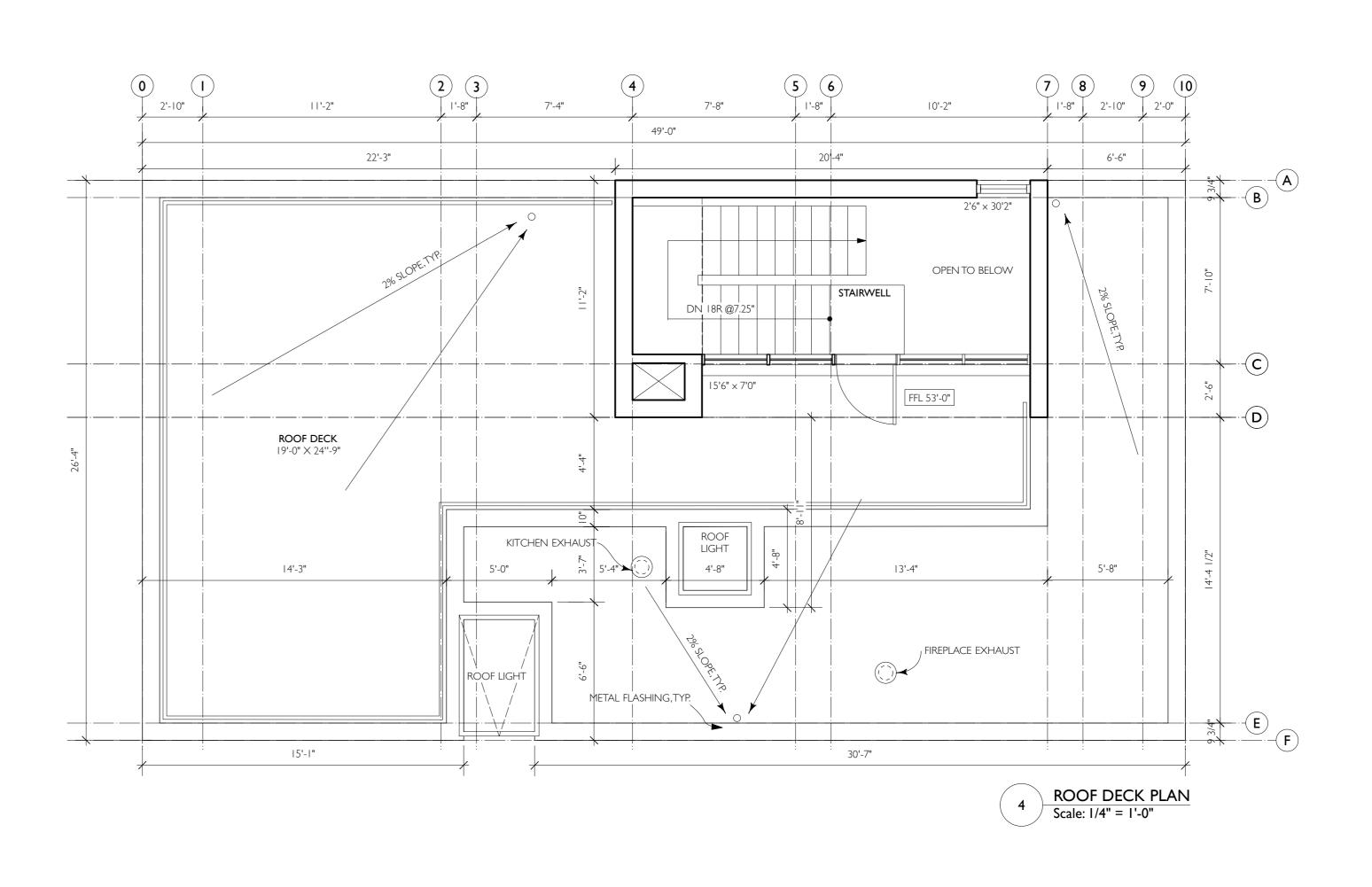
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Floor Plans

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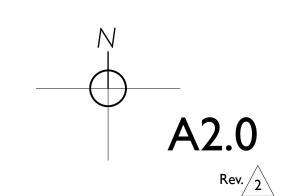
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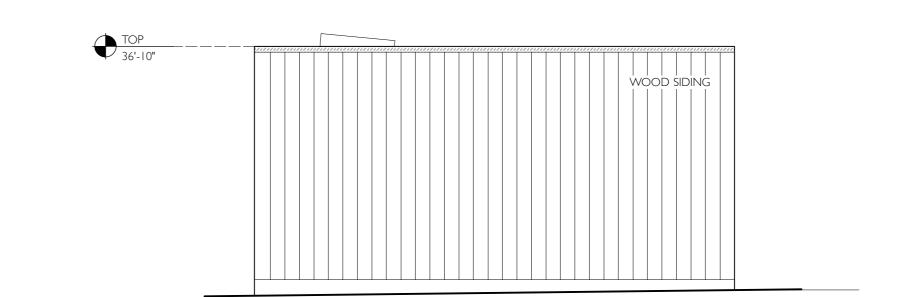
SCALE

1/4" = 1'-0"

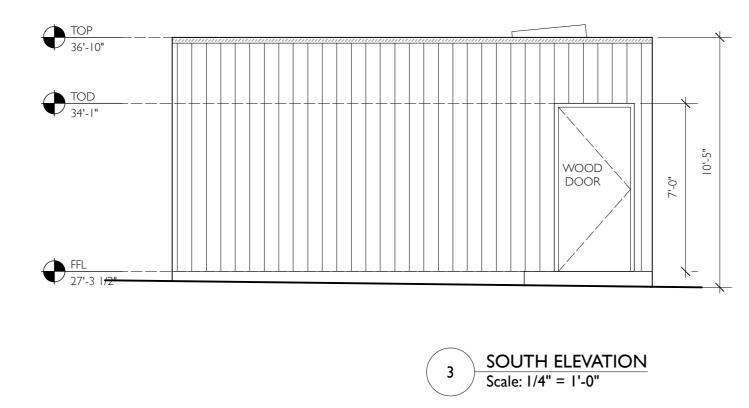
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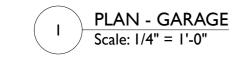


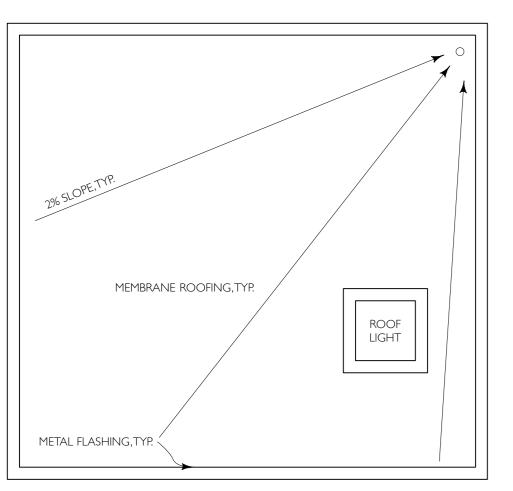
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4 NORTH ELEVATION
Scale: 1/4" = 1'-0"





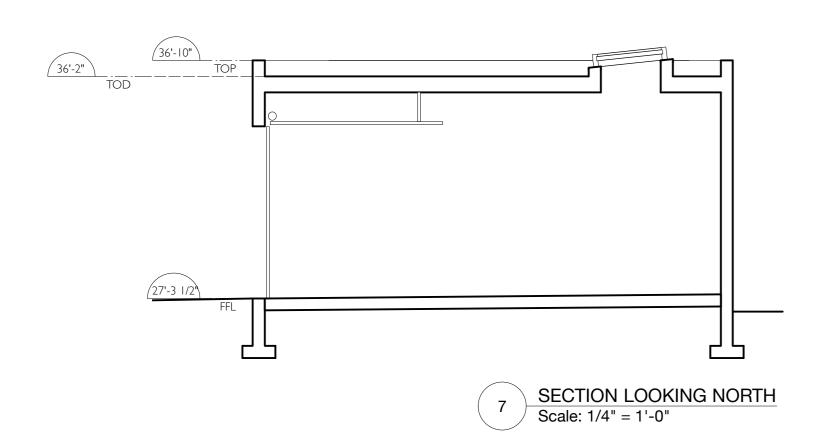


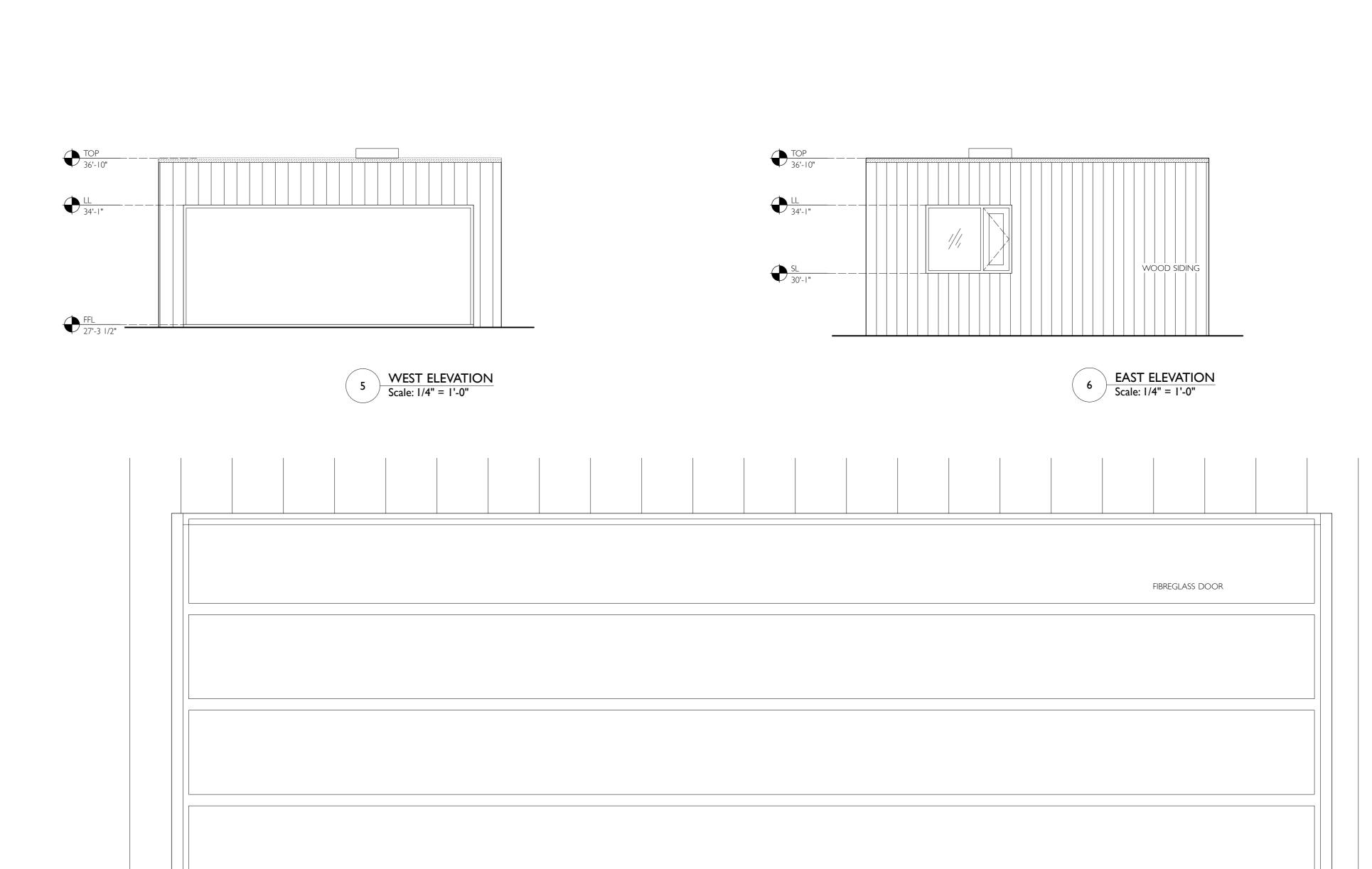
20'-0"

19'-0"

/ I-HR. FIRE RATED WALLS

2 ROOF PLAN - GARAGE
Scale: I/4" = I'-0"





8 GARAGE DOOR DETAIL
Scale: 1" = 1'-0"

2 10 JUN 2020 RE-ISSUED FOR ADDITIONAL PRIOR-TO CONDITIONS
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Garage

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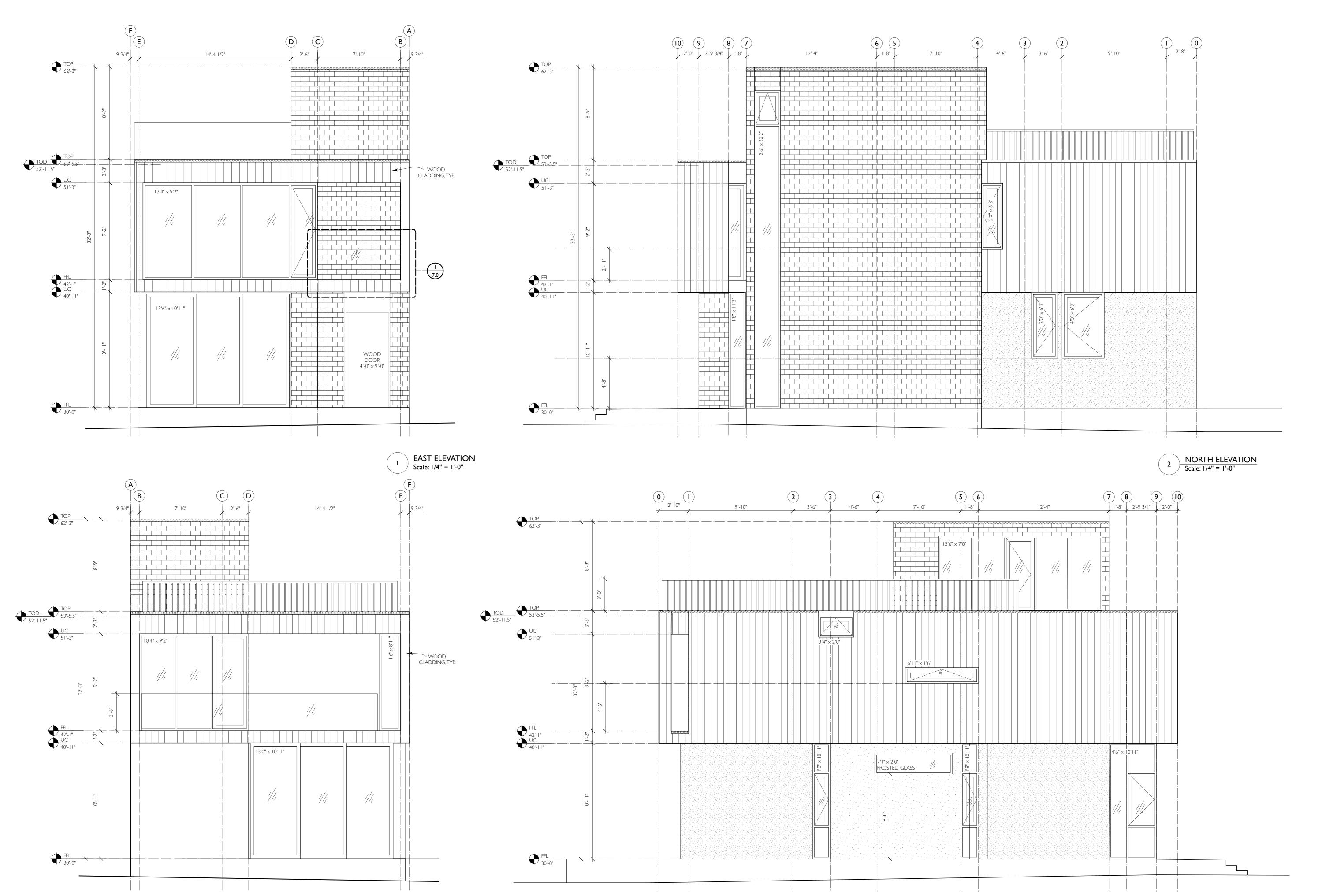
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LEGEND

GROUND FACE/ POLISHED MASONRY BLOCK, DARK

GFRC/CERAMIC PANEL,

STUCCO

ALUMINUM FRAME GLAZING, BLACK, TYP.

METAL FLASHING, GREY

WOODEN FENCE

CONCRETE

GLASS

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Elevations

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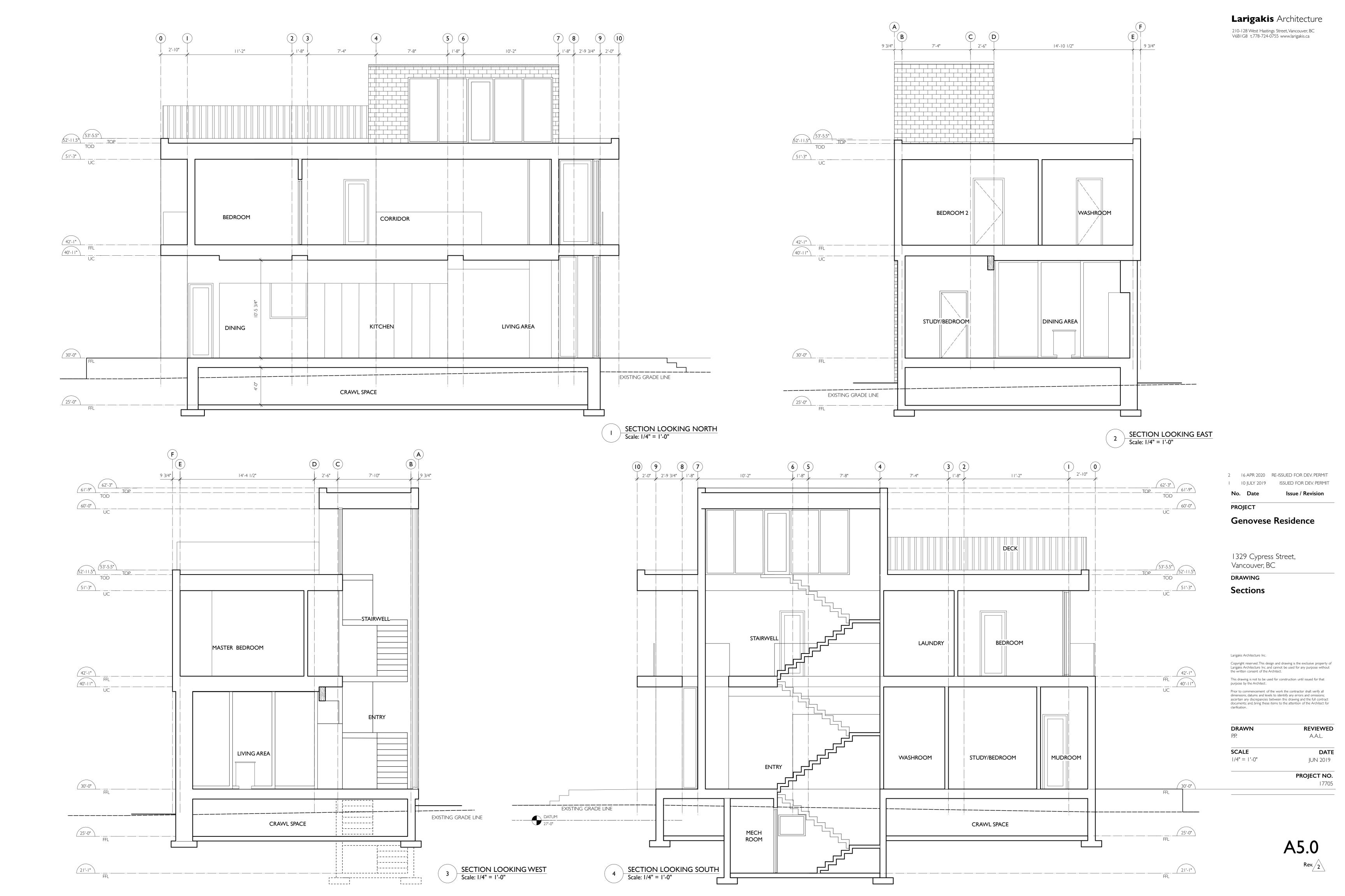
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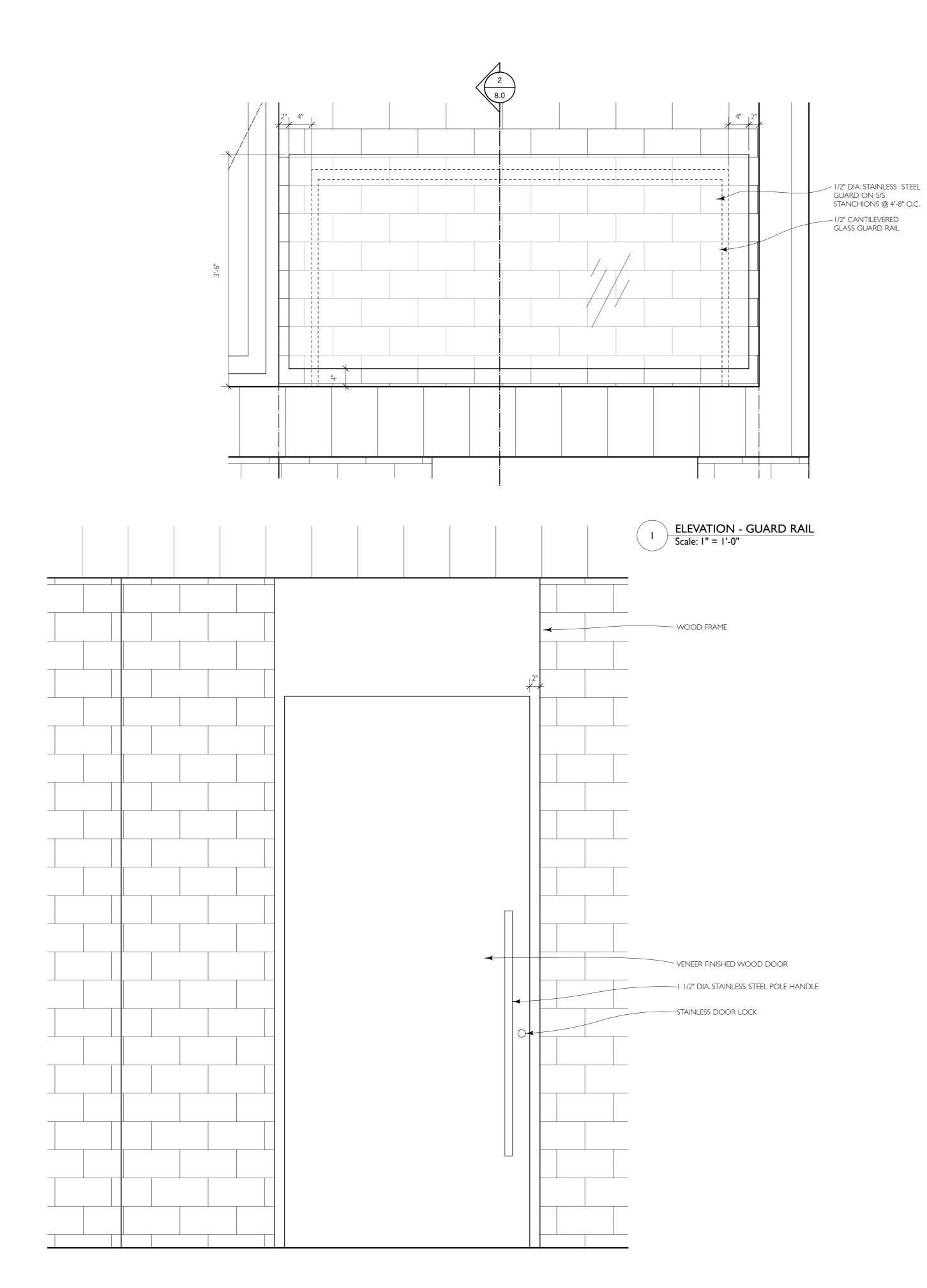
1/4" = 1'-0" JUN 2019

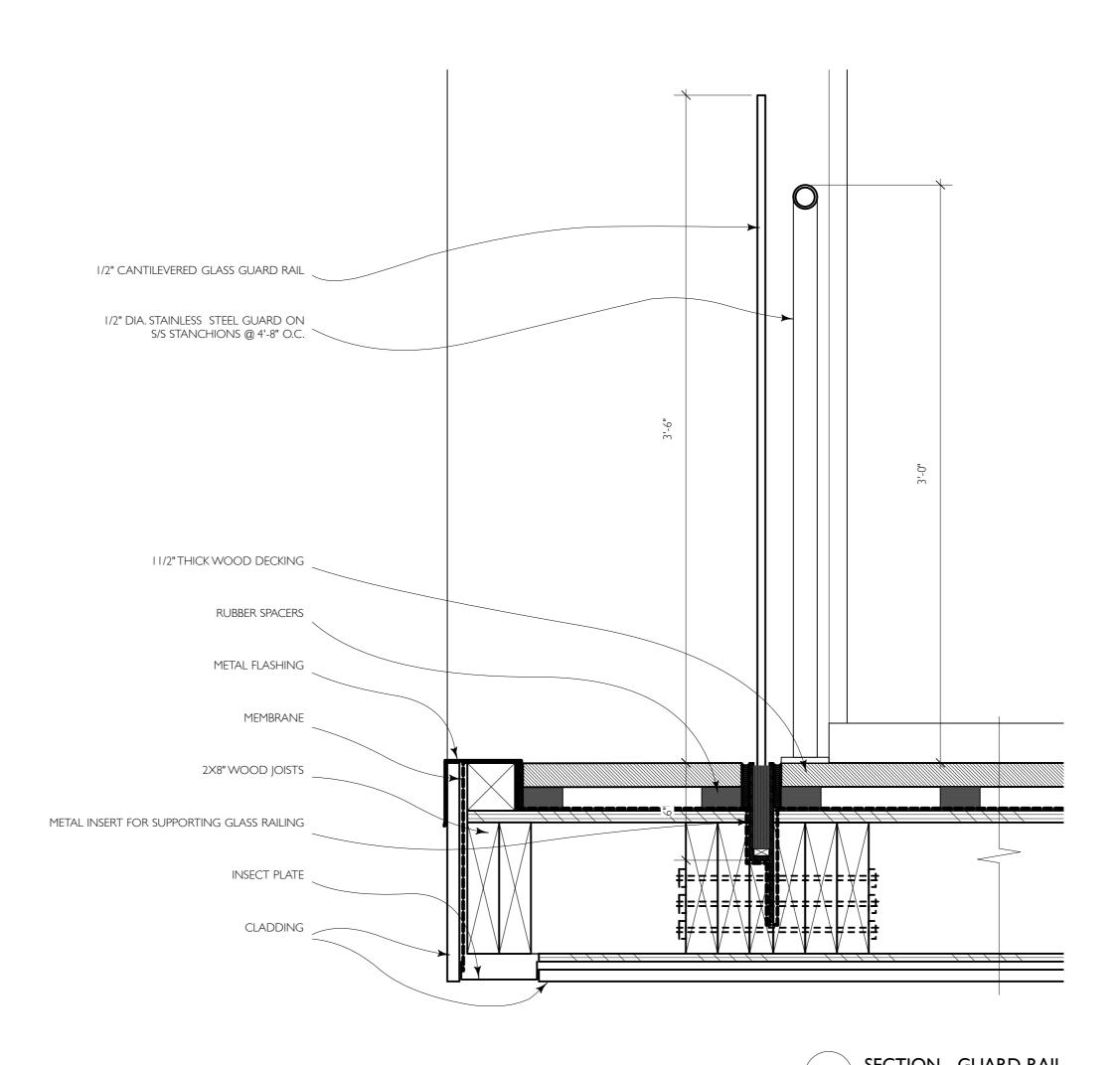
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SECTION - GUARD RAIL
Scale: 2" = 1'-0"

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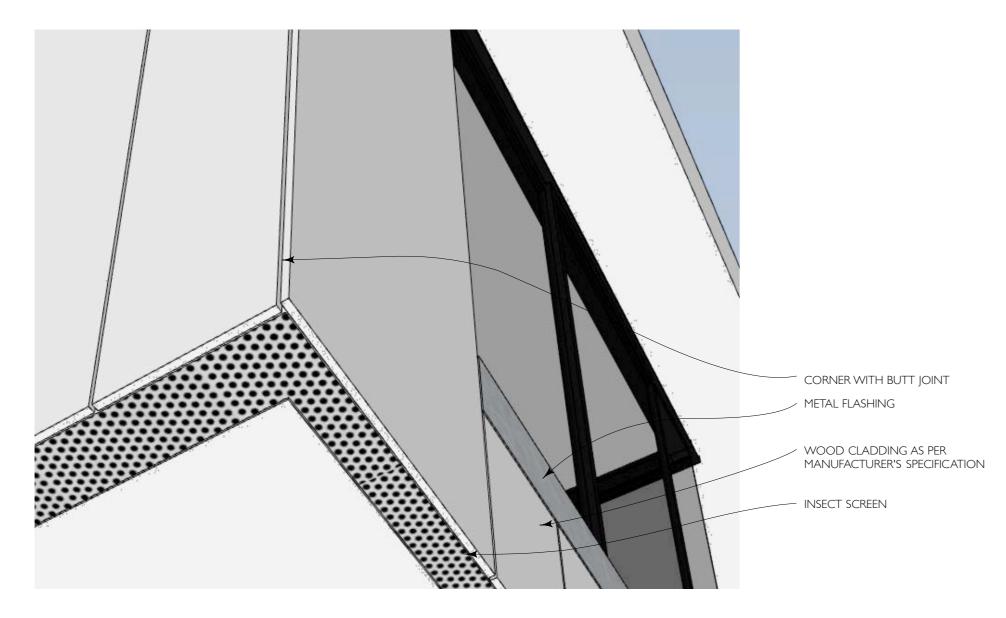
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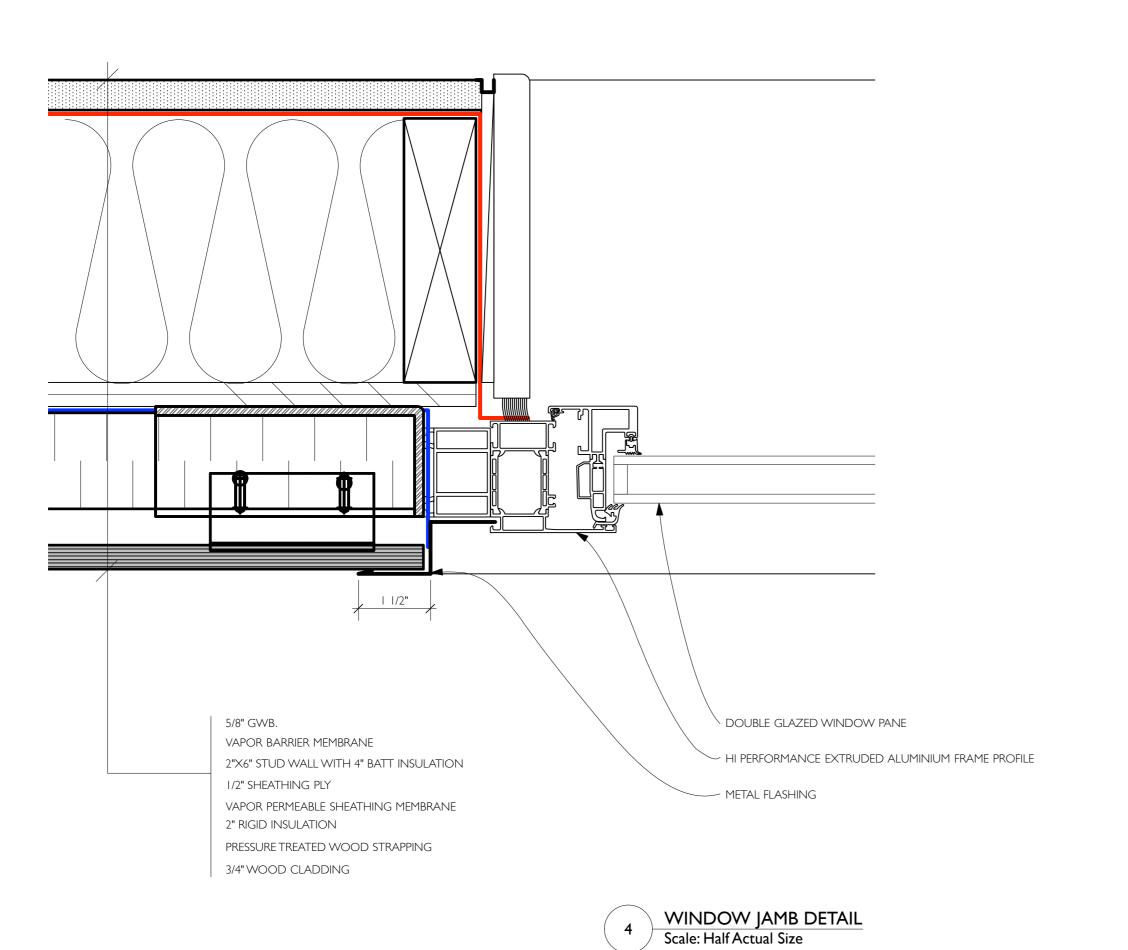
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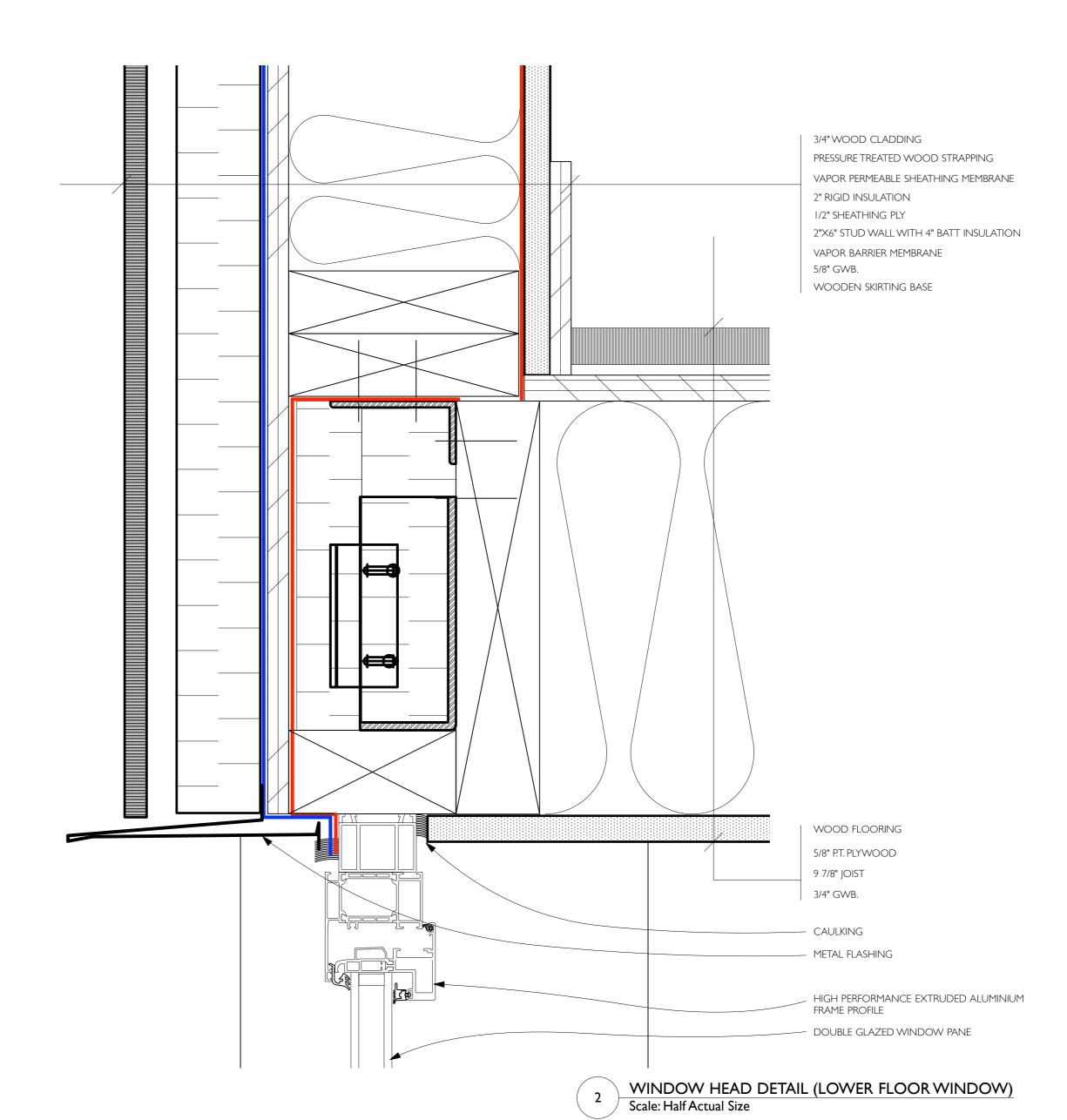
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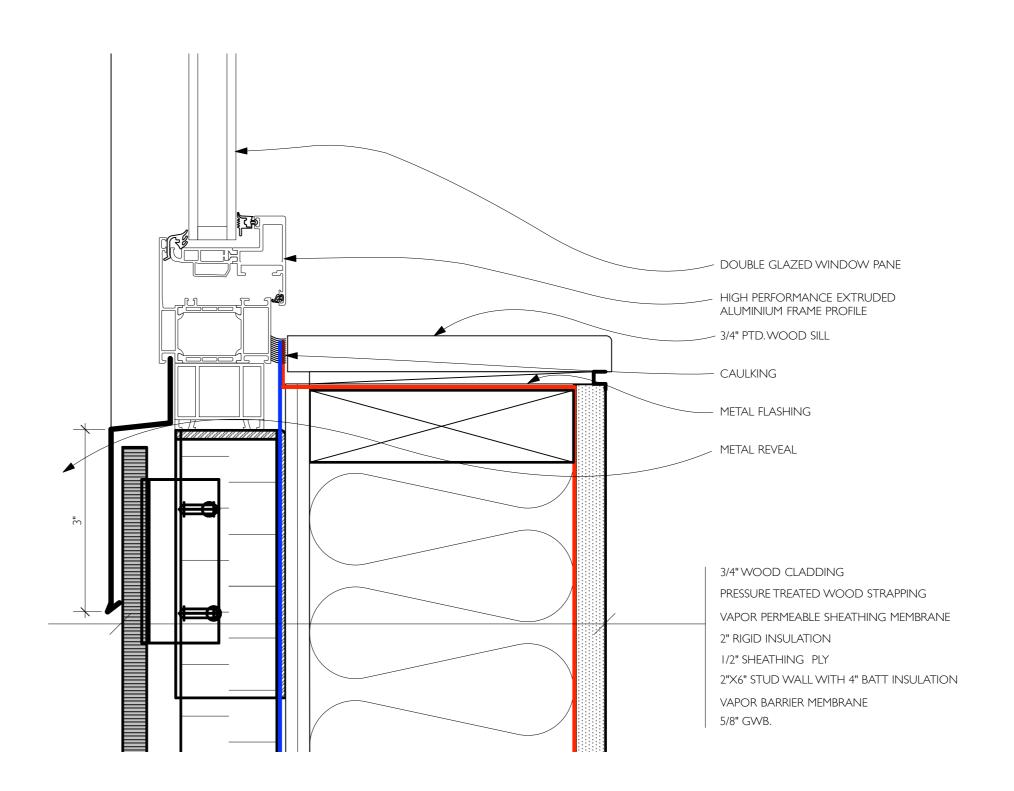




CORNER DETAIL FOR THERMALLY MODIFIED WOOD PANELS
Scale: I" = I'-0"







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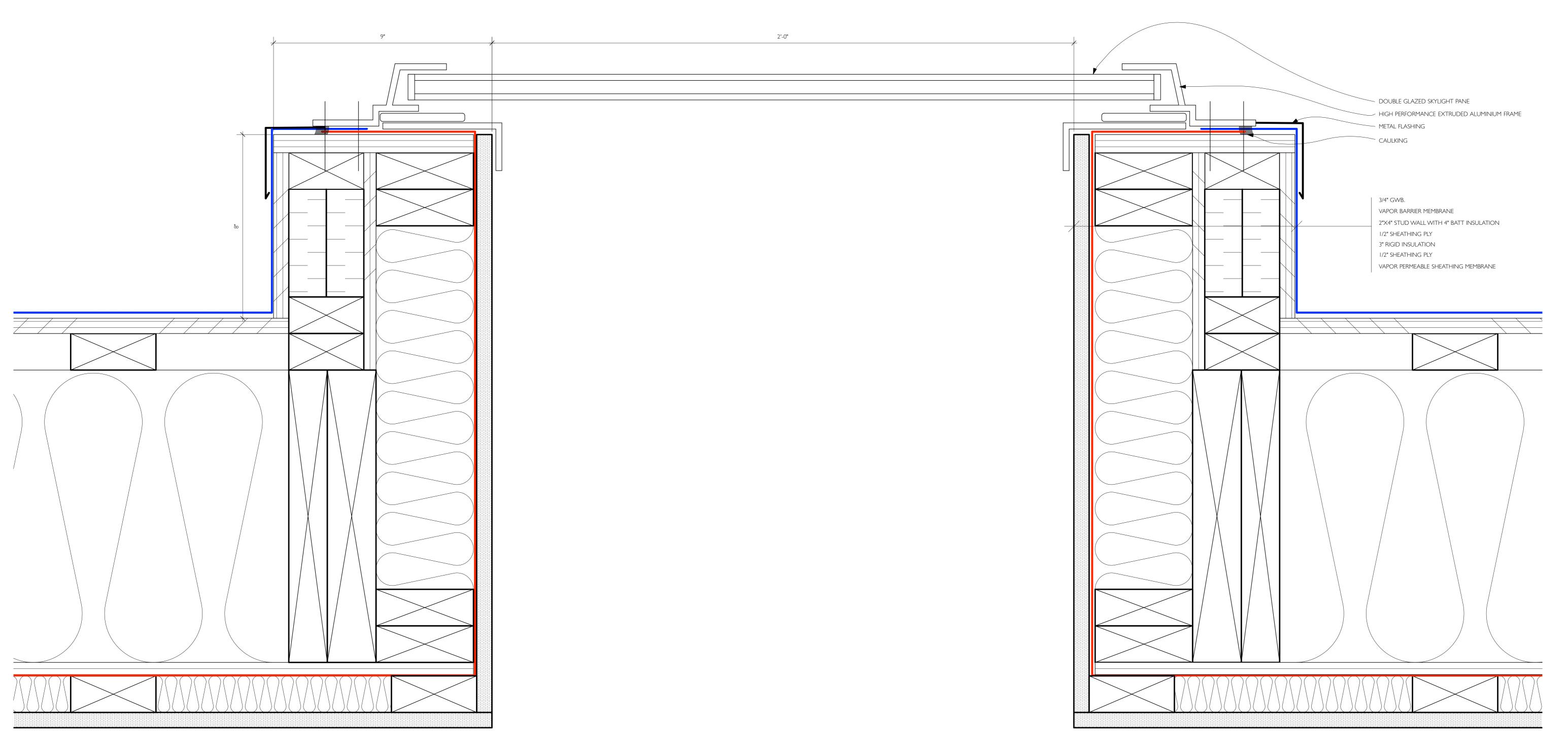
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SECTION THROUGH ROOF SKYLIGHT
Scale: Half Actual Size