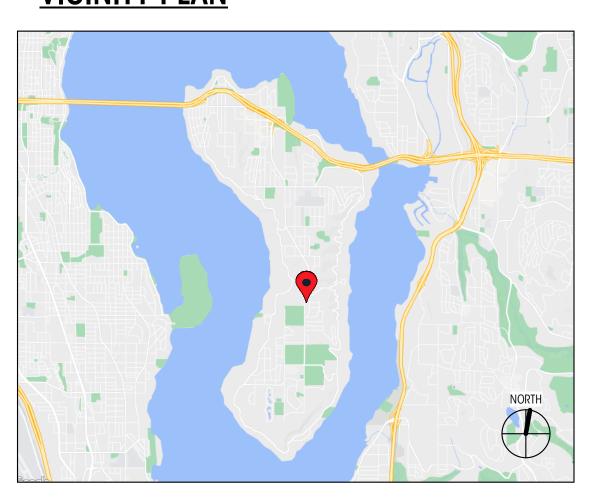
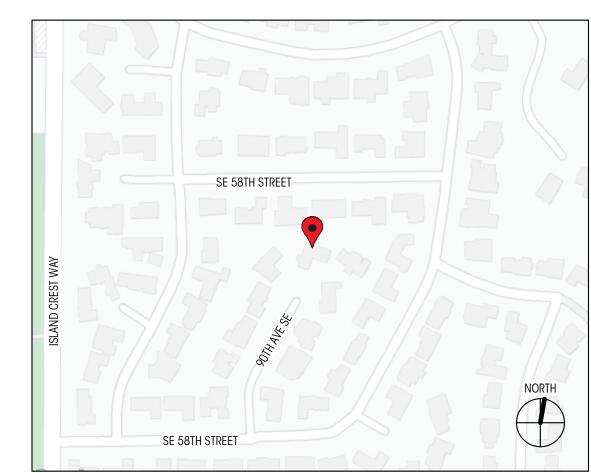
VICINITY PLAN



LOCATION PLAN



ABBREVIATIONS

ABOVE FINISH FLOOR ADDL **ADDITIONAL ADJUSTABLE** ALT ALTERNATE APPROXIMATELY APPROX ARCH ARCHITECT, ARCHITECTURAL B.O. **BOTTOM OF** BLW **BSMT BASEMENT** BTW BETWEEN BLD BUILDING CAB CABINET CALCULATION CEILING CENTERLINE CLEAR COL COLUMN CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS CONTR CONTRACTOR DEMO DEMOLISH DIAMETER DIMENSION **DOWNSPOUT** DISHWASHER DOUBLE EACH ELECTRIC, ELECTRICIAN ELEV ELEVATION ENGR **ENGINEER EQUIVALENT** EXIST OR (E) EXISTING EXTERIOR **FINISH FLOOR** FLEX FLEXIBLE FACE OF F.O. **FOUND FOUNDATION** GALVANIZED **GENERAL CONTRACTOR GYPSUM WALL BOARD** HEADER HEIGHT HORIZ HORIZONTAL INSUL INSULATION **INTERIOR DESIGNER INSULATED GLAZING UNIT** INTERIOR LOCATE, LOCATION MAX MAXIMUM MFR **MANUFACTURER** MECH MECHANICAL MTL METAL MINIMUM NEW NOT TO SCALE ON CENTER PLYWOOD PRELIM **PRELIMINARY** PRESSURE-TREATED PAINTED **PROPERTY LINE** REFRIGERATOR REINF REINFORCE, REINFORCING REQD REQUIRED **ROUGH OPENING** SAF SELF-ADHERED FLASHING SCHED SCHEDULE SHEARWALL SQUARE FOOT SLAB ON GRADE SPECS SPECIFICATIONS SEATTLE RESIDENTIAL CODE SRC SSTL STAINLESS STEEL STRUCT STRUCTURE, STRUCTURAL TBD TO BE DETERMINED TEMP TEMPORARY T.O. TOP OF TOW TOP OF WALL TYP TYPICAL UNO **UNLESS NOTED OTHERWISE** ULTRAVIOLET **VERIFY IN FIELD** VERT VERTICAL WATERPROOF, WEATHERPROOF

WNDW

WRB

WSEC

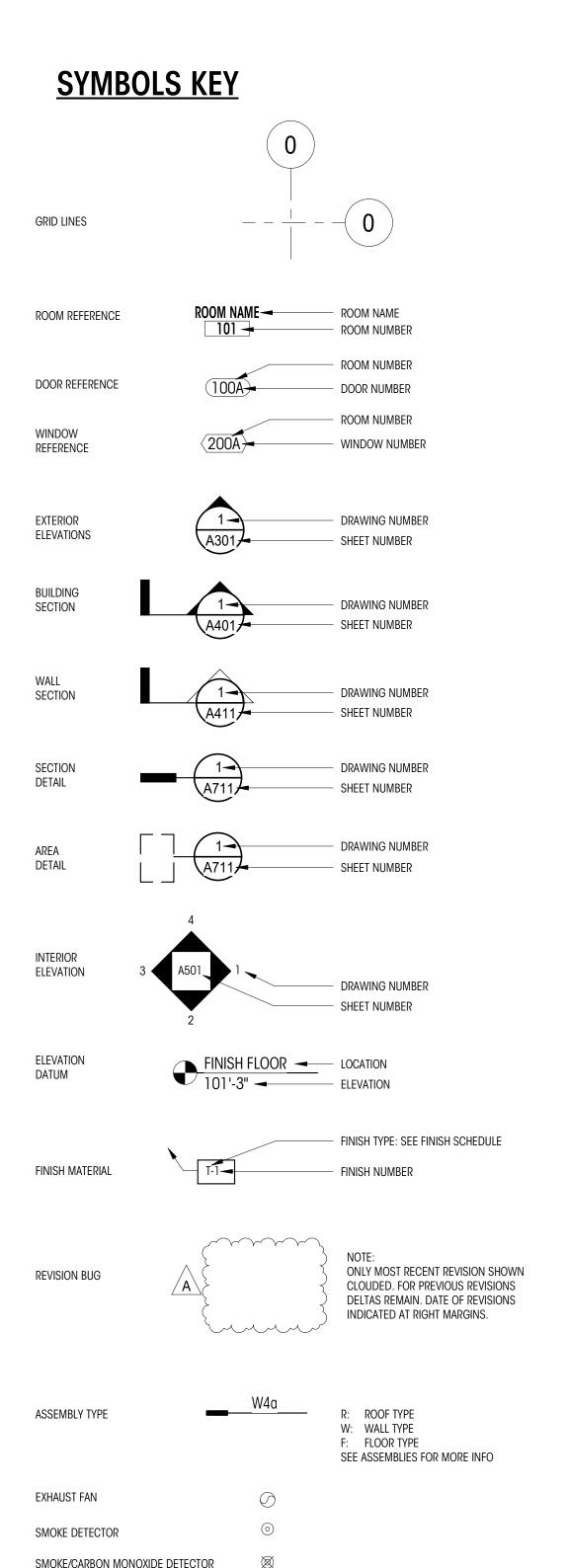
WINDOW

WITHOUT

WEATHER RESISTIVE BARRIER

WASHINGTON STATE ENERGY CODE

WITH



CENTERLINE

GENERAL NOTES

ALL WORK SHALL BE IN **COMPLIANCE** WITH THE 2018 INTERNATIONAL RESIDENTIAL CODE AS ADOPTED AND MODIFIED BY THE CITY OF MERCER ISLAND, MERCER ISLAND CITY CODE, AND ALL OTHER LAWS, CODES, ORDINANCES AND REGULATIONS OF THE COUNTY, STATE, AND FEDERAL JURISDICTIONS. (LATEST EDITION AND AMENDMENTS)

ALL **underground utilities** must be verified as to exact locations so as no interference by disruption WILL BE CAUSED. GENERAL CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITIES BY THE METHODS RECOMMENDED AT THE PRE-CONSTRUCTION SITE MEETING. DAMAGE THAT MAY BE CAUSED BY GENERAL CONTRACTOR OR SUBCONTRACTOR TO ANY OF THE ABOVE MENTIONED SHALL BE REPAIRED BY HIM AND LEFT IN AS GOOD A CONDITION AS EXISTED PRIOR TO DAMAGING.

The general contractor is responsible for the identification and removal of all hazardous materials in COMPLIANCE WITH ALL APPLICABLE CODES AND LAWS PRIOR TO ANY WORK COMMENCING. IN THE EVENT THAT THE OWNER IS ACTING AS THE GENERAL CONTRACTOR, THE OWNER IS RESPONSIBLE FOR THE IDENTIFICATION AND REMOVAL OF ALL HAZARDOUS MATERIALS IN COMPLIANCE WITH ALL APPLICABLE CODES AND LAWS PRIOR TO ANY WORK

CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL **DIMENSIONS AND JOB CONDITIONS** RELATED TO THIS WORK. ALL DIMENSIONS SHALL BE CONSIDERED "NOMINAL" UNLESS NOTED OTHERWISE. DO NOT SCALE DRAWINGS, USE WRITTEN DIMENSIONS ONLY, DIMENSIONS ON LARGE SCALE DRAWINGS OR DETAILS WILL PREVAIL OVER SMALLER SCALED DRAWINGS. WRITTEN DIMENSIONS ARE DRAWN TO THE FACE OF STUD, U.N.O. VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT. PROVIDE ALL BUCKOUTS. BLOCKING. AND JACKS AS REQUIRED BY THE DRAWINGS AND OTHER TRADES. ANY DISCREPANCY IN DIMENSIONS SHALL BE REPORTED IN WRITING TO THE PROJECT MANAGER/ DESIGNER FOR CLARIFICATION, OR APPROVAL OF MODIFICATION BEFORE COMMENCING WORK. THE RESPONSIBILITY TO THE PROJECT MANAGER/DESIGNER, SHALL REST WITH THE CONTRACTOR OR ANY OTHER PERSON APPROVING SUCH A CHANGE.

all **workmanship and materials** shall be guaranteed for a period of one year from the date of CERTIFICATE OF OCCUPANCY UNLESS SPECIFIED FOR A LONGER PERIOD OF TIME ON SPECIFIED ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING HIS OWN DEFECTIVE WORK AS WELL AS PAY ALL Costs incidental thereto including damage to other work, furnishings or equipment

SHALL BE CONTAINED IN THE CONTRACT OR SUBCONTRACT WHICH SHALL BE SO WRITTEN THAT SUCH GUARANTEE OR WARRANTIES SHALL INSURE TO THE BENEFIT OF OWNER. INSURANCE: PRIOR TO THE COMMENCEMENT OF WORK THE GENERAL CONTRACTOR SHALL DELIVER TO THE OWNER

ALL **WARRANTIES OR GUARANTEES** AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO THE OWNER'S WORK

INCLUDING THE TOTAL AMOUNT OF COVERAGE AND CONDITIONS STIPULATED AND AGREED BY BOTH PARTIES. THE OWNER SHALL BE RESPONSIBLE FOR PAYING FOR THE **BUILDING PERMIT**. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OTHER PERMITS REQUIRED OR NECESSARY FOR THE COMPLETION OF THE WORK FROM THE RESPECTIVE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE GOVERNING AGENCIES AS REQUIRED FOR SITE

CERTIFICATES OF INSURANCE FOR BOTH COMPREHENSIVE GENERAL LIABILITY AND WORKMAN'S COMPENSATION

ALL TRADES SHALL REFER TO THE ARCHITECTURAL DRAWINGS REGARDING LOCATIONS OF WORK TO BE INSTALLED.

UNLESS OTHERWISE NOTED, PROVIDE ALL MISCELLANEOUS FASTENERS, HARDWARE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION. EVEN THOUGH SUCH ITEMS MAY NOT HAVE BEEN SPECIFICALLY MENTIONED IN THE DRAWINGS AND SPECIFICATIONS, NOTIFY THE ARCHITECT OF ANY REVISIONS OR ADDITIONAL INFORMATION OBTAINED FROM THE MANUFACTURER OF SPECIFIED MATERIALS OR EQUIPMENT WHICH MAY AFFECT THE CONTRACT TIME, COST OR QUALITY OF WORK

INSPECTIONS

THE GENERAL CONTRACTOR, ALL SUB-CONTRACTORS AND ALL MAJOR SUPPLIERS SHALL SUBMIT TO THE OWNER WITHIN 30 Days after completion all "release of liens" for all work performed prior to final payment.

PARTIAL LIEN WAIVERS TO BE SUBMITTED WITH MONTHLY REQUISITION.

ALL MANUFACTURERS AND/OR SUPPLIERS SHALL SUBMIT SHOP DRAWINGS AND/OR MATERIAL SAMPLES TO THE DESIGNER/OWNER FOR APPROVAL PRIOR TO FABRICATION.

ALL OF THE GENERAL CONTRACTOR'S EQUIPMENT, SCAFFOLDING HOISTS, ETC., SHALL BE AVAILABLE TO THE OWNER/ DESIGNER AND THEIR STAFF FOR INSPECTION OF ANY AND ALL WORK DURING NORMAL WORKING HOURS.

THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DELIVERY POINTS, HOISTS LOCATIONS, ACCESS TO AND FROM THE

SITE OF THE BUILDING AND UTILITY SERVICES. BID TO INCLUDE ALL NECESSARY AND REQUIRED PERMITS, LICENSES, FEES, BONDS AND INSURANCE - EVIDENCE OF WHICH MUST BE SUBMITTED TO OWNER/ DESIGNER PRIOR TO ANY CONSTRUCTION.

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUBCONTRACTORS WORKING AT JOB SITE AND FOR ALL COORDINATION OF WORK.

THE MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE ALL EQUIPMENT WITH THE OTHER TRADES. THESE CONTRACTORS SHALL BE RESPONSIBLE FOR FINAL HOOK-UP OF ALL EQUIPMENT NOT FURNISHED BY THEM BUT REQUIRING THE SAME FOR FINAL COMPLETION.

GENERAL CONTRACTOR TO BE RESPONSIBLE FOR SECURITY OF ALL MATERIALS AT JOB SITE UNTIL FINAL ACCEPTANCE OF WORK BY OWNER.

ANY SUBCONTRACTOR CUTTING INTO WORK ALREADY COMPLETED, CUTTING CHASES AND TRENCHES FOR THE INTRODUCTION OF HIS WORK AND EQUIPMENT IN THE BUILDING SHALL DO OR PAY FOR ALL BACK FILLING, REPARATION OF WALLS, FLOOR, ETC., DAMAGE BY SUCH A COMPANY. ALL REPAIRS SHALL MATCH EXISTING SURFACES.

CONSTRUCTION SPECIFICATIONS

CONDITIONS.

NO SUBSTITUTIONS ARE ALLOWED FOR MATERIALS WHERE SPECIFIC MANUFACTURERS ARE INDICATED, UNLESS APPROVED BY THE OWNER/ARCHITECT. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN WRITING PRIOR TO ORDERING MATERIALS OR COMMENCING WORK. SUCH REQUESTS SHALL INCLUDE THE DATE, SCOPE OF WORK, ANY ADDITIONAL COSTS TO THE OWNER, AND ANY ANTICIPATED DELAYS CAUSED BY SUCH CHANGES.

NO EXTRA WORK OR CHANGE SHALL BE MADE UNLESS A WRITTEN CHANGE ORDER IS SUBMITTED AND SIGNED BY THE OWNER AND ARCHITECT. THE ORDER SHALL STATE THAT THE OWNER HAS AUTHORIZED THE EXTRA WORK OR CHANGE, AND NO CLAIM FOR AN ADDITIONAL SUM SHALL BE VALID UNLESS SO OFFERED AS DESCRIBED ABOVE.

ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED. WOOD SPECIFICATIONS TO CONFORM TO OUTLINE SPECIFICATIONS, STRUCTURAL PLANS, NOTES, AND GENERAL

CAULKING AND SEALANTS: INSTALLED SHALL BE GUARANTEED WATERTIGHT. EXTERIOR METAL WORK, INCLUDING WINDOWS AND DOOR FRAMES AND ALL JUNCTIONS BETWEEN MASONRY, CONCRETE AND METAL SHALL BE SEALED WITH NEOPRENE OR POLYURETHANE FILLER AND APPROVED SEALANT COMPOUNDS.

PROVIDE GALVANIC INSULATION BETWEEN ALL DISSIMILAR METALS.

PROVIDE WATERPROOFING MEMBRANE OVER PROTECTIVE BOARD AT ALL WALLS EXPOSED TO EARTH.

ALL PIPING AND CONDUIT UNDER SLAB SHALL BE A MINIMUM OF 2"-0' CLEAR OF UNDERSIDE OF FOOTING.

UNLESS NOTED OTHERWISE.

ALL FINAL SURFACE GRADING SHALL BE COMPLETED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE BUILDING

PROVIDE AND INSTALL INSULATION AT EXTERIOR WALLS, ROOF, FLOOR LOCATIONS AS SHOWN, SPECIFIED AND IN ACCORDANCE WITH THE WASHINGTON STATE ENERGY CODE.

WATER PIPES TO BE INSULATED IN ALL UNHEATED AREAS.

INSULATE ALL ROUGH-IN PLUMBING IN WALLS, FLOORS, AND CEILINGS FOR SOUND TRANSMISSION.

	GLASS	PLYWOOD	BATT INSULATION
A AA	CONCRETE	BRICK	RIGID INSULATION
	STEEL	ALUMINUM	SPRAY FOAM INSULATION
	EARTH	FINISH WOOD	GYPSUM WALLBOARD
	GRAVEL	STUCCO	WATER

PROJECT DATA

EXISTING LOT AREA SUMMARY GROSS LOT AREA ACCESS EASEMENTS NET LOT AREA LOT SLOPE	N/A 11,738 S	F (PER SURVEY) F 348.0') / 146' = 4.5%
TREE REMOVAL NO TREE REMOVAL PROPOSED, SEE SITE PLANS FOR (E) TREE LOCATIONS. TREE RETENTION NOT REQUIRED FOR ADDITION RESULTING IN LESS THAN 500 SF GFA ON LOT EQUAL TO OR GREATER THAN 6,000 SF. (19.10.060.A.1.a)		
EXISTING LOT COVERAGE		
(E) RESIDENCE AND OVERHANGS	2804 SF	
(E) COVERED PATIO	212 SF	
(E) ATTACHED SHED AND OVERHANGS	126 SF	
(E) DETATCHED SHED AND OVERHANGS	91 SF	
(E) DRIVING SURFACES	319 SF	
(E) TOTAL LOT COVERAGE	3,552 SI	= 30.2% OF LOT AREA
PROPOSED LOT COVERAGE		
(E) RESIDENCE AND OVERHANGS	2804 SF	(NO CHANGE)
(N) ADDITION AND OVERHANGS	331 SF	()
(E) COVERED PATIO	212 SF	(NO CHANGE)
(E) ATTACHED SHED AND OVERHANGS	126 SF	(NO CHANGE)
(E) DETATCHED SHED AND OVERHANGS	91 SF	(NO CHANGE)
(E) DRIVING SURFACES	319 SF	(NO CHANGE)
TOTAL LOT COVERAGE	3,883 SI	= 33.1% OF LOT AREA
ALLOWABLE LOT COVERAGE (19.02.020.F.3.a)	4,695 SF	(40% LOT AREA)
EXISTING HARDSCAPE (PER SURVEY)		
DOCKEDIEC ,	204 CE	

EXISTING HARDSCAPE (PER SURVEY)	
ROCKERIES	206 SF
PATIOS/ WALKWAY	565 SF
SITE WALLS	210 SF
GRAVEL	925 SF
TOTAL EXISTING	1,906 SF = 16.3% OF LOT AREA
ALLOWABLE HARDSCAPE (19.02.020.F.3.b)	1,056 SF (9% OF LOT AREA)
EXISTING TOTAL HARDSCAPE & LOT COVERAGE	16.3% + 30.2% = 46.5%
	EXISTING CONFORMING
	(49% LOT AREA ALLOWABLE)
DEMOLISHED HARDSCAPE	
GRAVEL	161 SF
TOTAL DEMOLISHED	161 SF
DDODOSED HADDSCADE (NO NEW HADDSCADE DDODOSED)	

$/ \setminus >$	TOTAL DEMOLIOTED	101 01	
A \			4
	<u>PROPOSED HARDSCAPE</u> (NO NEW HARDSCAPE PROPOSED)		~
1	(E) HARDSCAPE	1,906 SF	
	(E) PATIO (BELOW RELOCATED SHED)	82 SF	۲
}	(E) HARDSCAPE TO BE DEMOLISHED	-161 SF	~
{	TOTAL HARDSCAPE	1,827 SF = 15.6% OF LOT AREA	١.
1	munumment in a second of the s		ノ
	ALLOWED (0% OF LOT ADEA)	11 738 CE * 0°/ _ 1 054 CE	

ALLOWED (9% OF LOT AREA)	11,738 SF * 9% = 1,056 SF
REMAINING LOT COVERAGE (PER MICC19.02.020.F.3.b.ii)	4,695 SF - 3,883 SF = 812 SF
TOTAL ALLOWABLE HARDSCAPE	1,056 SF + 812 SF = 1,868 SF
EXISTING BUILDING AREA SUMMARY (GFA)	
(E) MAIN LEVEL	1,712 SF

(E) ATTACHED STORAGE CLOSET 43 SF 490 SF (E) ATTACHED GARAGE TOTAL EXISTING BUILDING AREA (GSF) 2,245 SF **EXISTING FLOOR AREA RATIO:** 2,245/11,738 = 19.1% OF LOT AREA

EXISTING DETATCHED SHED <120SF (91SF) IS NOT INCLUDED IN GFA AREA PER MICC 19.16.010(1.b)

(E) MAIN LEVEL	1,712 SF
(N) PROPOSED ADDITION	340 SF
(E) ATTACHED STORAGE CLOSET	43 SF
(E) ATTACHED GARAGE	490 SF
TOTAL PROPOSED BUILDING AREA (GSF)	2,585 SF
PROPOSED FLOOR AREA RATIO:	2,585/11,738 = 22.0% OF LOT A
40% ALLOWABLE GROSS FLOOR AREA:	11.738 SF x 40% = 4.695 SF

TBACKS				
DE YARD				
SITE	WIDTH	DETERMINED	ВҮ	L

RD	17'-9" TOTAL
SITE WIDTH DETERMINED BY LOT CIRCLE PER MICC 19.16.010.L	17% OF 104'-4" = 17'-9"
SEE A102 SUM OF SIDE YARDS SHALL EQUAL 17% OF LOT WIDTH	
MINIMUM SIDE YARD SHALL BE 33% OF AGGREGATE SIDE YARD	33% OF 17'-9" = 5'-10 1/2"
TOTAL WIDTH	

RONT YARD EAR YARD	
FOR IRREGULAR LOT REAR YARD SETBACK DRAWN FROM 10' LINE PARALLEL TO LINE DRAWN AT FRONT LOT LINE CONNECTING	

SIDE YARD LOT LINES. PER MICC 19.02.020.C.2.b OCCUPANCY SUMMARY EXISTING TYPE

SINGLE FAMILY ENERGY CODE SUMMARY 2018 WASHINGTON ENERGY CODE (RESIDENTIAL PROVISIONS)

CLIMATE ZONE 4C PER TABLE R301.1 PRESCRIPTIVE THERMAL ENVELOPE PER TABLE R402.1.1 (E) GAS FURNACE WITH AC, HEATING OPTION 1 TO REMAIN

ADDITION OF LESS THAN 500SF REQUIRES 1.5 CREDITS FOR WSEC 406.2 AND 406.3 HIGH EFFICIENCY HVAC EQUIPMENT OPTION 3.2 (1 CREDIT) AIR SOURCED DUCTED HEAT PUMP, MINIMUM HSPF 9.5

EFFICIENT WATER HEATING OPTION 5.2 (.5 CREDIT) NEW .80 UEF TANKLESS GAS HWH (WITH RECIRCULATION PUMP)

ENESTRATION U-FACTOR (VERTICAL):	.30
SKYLIGHT U-FACTOR (OVERHEAD):	.50
CEILING:	R-49
/AULTED CEILING:	R-38
VALL ABOVE GRADE:	R-21
VALL BELOW GRADE (INT.):	R-21 (INT.) OR R-10 (EXT.)
LOOR ABOVE GRADE:	R-30
SLAB ON GRADE @ BASEMENT:	R-10

PER WSEC R503.1.1(2), EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING THE CONSTRUCTION PROVIDED THAT THESE CAVITIES ARE FILLED WITH INSULATION. 2x4 FRAMED WALLS SHALL BE INSULATED TO A MINIMUM OF R-15 AND 2x6 FRAMED WALLS SHALL BE INSULATED TO A MINIMUM OF R-21.

CONTRACTOR TO INSTALL CARBON MONOXIDE ALARMS OUTSIDE OF EACH BEDROOM IN THE IMMEDIATE VICINITY ON EACH FLOOR LEVEL PER IRC SECTION 315.3, SEE PLANS. CONTRACTOR TO INSTALL SMOKE ALARMS OUTSIDE OF EACH BEDROOM IN THE IMMEDIATE VICINITY ON EACH FLOOR LEVEL PER IRC SECTION 314.2.2, SEE PLANS.

FIRE ALARM SYSTEMS ARE PERMITTED TO BE USED IN LIEU OF SMOKE ALARMS.

SEE SHEET GOO2 FOR VENTILATION & ENERGY CALCULATIONS.

FANS ON TIMERS, PER PLANS. VOLUME OF REQUIRED OUTDOOR VENTILATION AIR TO BE PROVIDED BASED ON TABLE 403.8.5.1 OF THE INTERNATIONAL MECHANICAL CODE. * PLUMBING, MECHANICAL, ELECTRICAL WORK TO BE PERMITTED SEPARATELY

INSTALLED PER INTERNATIONAL MECHANICAL CODE, WORK TO BE COMPLETED UNDER A SEPARATE PERMIT.

FIRE DEPARTMENT NOTES PROJECT TO BE EQUIPPED WITH A NFPA-72 CHAPTER 29 HOUSEHOLD MONITORED SMOKE ALARM SYSTEM. SYSTEM TO BE PERMITTED SEPARATELY. PERMIT TO BE OBTAINED AND SYSTEM INSTALLED AND INSPECTED PRIOR TO FINAL OCCUPANCY.

PARKING (MICC 19.02.020.G.2.b) FOR SINGLE FAMILY RESIDENCE LESS THAN 3,000 SF GFA (2) SPACES SHALL BE PROVIDED, ATLEAST (1) COVERED (2) SPACES PROVIDED IN EXISTING ATTACHED GARAGE.

STORMWATER CODE (MICC 15.09.050)

A STORM WATER DRAINAGE REVIEW IS REQUIRED FOR PROJECTS THAT:

2. HAVE A LAND DISTURBING ACTIVITY OF 7,000 SQUARE FEET OR GREATER, OR 3. RESULT IN A NET INCREASE OF IMPERVIOUS SURFACE OF 500 SQUARE FEET OR GREATER.

1. RESULT IN 2,000 SQUARE FEET, OR GREATER, OF NEW PLUS REPLACED HARD SURFACE AREA,

PROPOSED NEW / REPLACED IMPERVIOUS SURFACES IS 331SF, STORMWATER REVIEW NOT REQUIRED

GENERAL INFORMATION

PROJECT ADDRESS 5601 90th AVE SE MERCER ISLAND, WA 98040

TBD PROJECT NUMBER ASSESSOR'S PARCEL # 2287000280

EL DORADO ESTATES ADD **LEGAL DESCRIPTION** Plat Block:

> Plat Lot: 28 340 sf ADDITION TO, AND INTERIOR REMODEL OF, AN EXISTING

PROJECT DESCRIPTION SINGLE FAMILY RESIDENCE

R-9.6

SINGLE FAMILY RESIDENCE **BUILDING TYPE**

ZONE

ARCHITECT

GENERAL CONTRACTOR

PROJECT DIRECTORY

MATT & LINDSEY BUCHANAN 5601 90th AVE SE MERCER ISLAND, WA 98040

> COLIN BRANDT **BRANDT DESIGN GROUP** 66 BELL ST., UNIT 1 SEATTLE, WA 98121

colin@brandtdesigninc.com **OWNER'S AGENT/CONTACT** RICKY LYMAN **BRANDT DESIGN GROUP** 66 BELL ST., UNIT 1

TOM GALLAGER

SEATTLE, WA 98121 206.239.0850 ricky@brandtdesigninc.com

Gallagher Co. LLC 3010 77TH AVE SE, SUITE 202 MERCER ISLAND, WA 98040 206-232-1600

TODD VALENTINE STRUCTURAL ENGINEER HARRIOTT VALENTINE ENGINEERS INC. 1932 FIRST AVENUE, SUITE 720 SEATTLE, WA 98101

206.624.4760 tvalentine@harriottvalentine.com

tom@gallagherco.net

206.239.0850

SHEET INDEX

SHEET NUMBER	SHEET NAME
<u>GENERAL</u>	
G000	COVERSHEET
G001	ENERGY CODE / VENTILATION CALCULATIONS

SURVEY

ADTUT	SHE DEMOLITION PLAN
AD102	DEMOLITION LOT COVERAGE & HARDSCAPE SITE PLAN
AD211	MAIN FLOOR DEMOLITION PLAN
AD212	ROOF DEMOLITION PLAN
ADOLUTEOTUBAL	

PROPOSED LOT COVERAGE & HARDSCAPE SITE PLAN MAIN FLOOR PLAN ROOF PLAN

GENERAL STRUCTURAL NOTES

ROOF FRAMING PLAN

STRUCTURAL DETAILS

STRUCTURAL DETAILS

FLOOR FRAMING AND FOUNDATION PLAN

A301	EXTERIOR ELEVATIONS (N & E)
A302	EXTERIOR ELEVATIONS (S & W)
A401	BUILDING SECTIONS
A411	WALL SECTIONS
A601	WINDOW SCHEDULE, LEGEND, & NOTES
A701	ASSEMBLY DETAILS

PERMIT SUBMITAL SET

66 Bell Street

Unit 1

Seattle, WA

98121

206.239.0850

brandtdesigninc.com

REGISTERED

ARCHITECT

STATE OF WASHINGTON

12.7.2023 DATE: D (24X36)

PLAN CHECK 1

NO. DESCRIPTION DATE

DRAWN BY: RL

CHECKED BY: KM

COVERSHEET

As indicated

WA STATE ENERGY CODE FORMS

2018 Washington State Energy Code – Residential Prescriptive Energy Code Compliance for All Climate Zones in Washington Single Family – New & Additions (effective February 1, 2021)

These requirements apply to all IRC building types, including detached one- and two-family

aweilings and multiple sing	dwellings and multiple single-family dwellings (townhouses).			
Project Information	Contact Information			
Buchanan Addition	Ricky Lyman - Brandt Design Group			
5601 90th AVE SE	ricky@brandtdesigninc.com			

Instructions: This single-family project will use the requirements of the Prescriptive Path below and incorporate the minimum values listed. Based on the size of the structure, the appropriate number of additional credits are checked as chosen by the permit applicant.

Provide all information from the following tables as building permit drawings: Table R402.1 - Insulation and Fenestration Requirements by Component, Table R406.2 - Fuel Normalization Credits and 406.3 - Energy Credits.

Authorized Representative		Date	
	All Climate Zones (Table R402.1.1)		
	R-Value ^a	U-Factor ^a	
Fenestration U-Factor ^b	n/a	0.30	
Skylight U-Factor ^b	n/a	0.50	
Glazed Fenestration SHGC b,e	n/a	n/a	
Ceiling ^e	49 ^j	0.026	
Wood Frame Wall ^{g,h}	21 int	0.056	
Floor	30	0.029	
Below Grade Wall c,h	10/15/21 int + TB	0.042	
Slab ^{d,f} R-Value & Depth	10, 2 ft	n/a	

- R-values are minimums. U-factors and SHGC are maximums. When insulation is installed in a cavity that is less a than the label or design thickness of the insulation, the compressed R-value of the insulation from Appendix Table A101.4 shall not be less than the *R*-value specified in the table.
- b The fenestration *U*-factor column excludes skylights.
- "10/15/21 +5TB" means R-10 continuous insulation on the exterior of the wall, or R-15 continuous insulation on the interior of the wall, or R-21 cavity insulation plus a thermal break between the slab and the basement wall at c the interior of the basement wall. "10/15/21 +5TB" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulation on the interior or exterior of the wall. "5TB"
- means R-5 thermal break between floor slab and basement wall.
- d R-10 continuous insulation is required under heated slab on grade floors. See Section R402.2.9.1. For single rafter- or joist-vaulted ceilings, the insulation may be reduced to R-38 if the full insulation depth extends over the top plate of the exterior wall.
- R-7.5 continuous insulation installed over an existing slab is deemed to be equivalent to the required perimeter f slab insulation when applied to existing slabs complying with Section R503.1.1. If foam plastic is used, it shall
- meet the requirements for thermal barriers protecting foam plastics. For log structures developed in compliance with Standard ICC 400, log walls shall meet the requirements for climate zone 5 of ICC 400.
- Int. (intermediate framing) denotes framing and insulation as described in Section A103.2.2 including standard h framing 16 inches on center, 78% of the wall cavity insulated and headers insulated with a minimum of R-10 insulation.

2018 Washington State Energy Code-R

2018 Washington State Energy Code – Residential Prescriptive Energy Code Compliance for All Climate Zones in Washington Single Family - New & Additions (effective February 1, 2021)

Each dwelling unit *in a residential building* shall comply with sufficient options from Table R406.2 (fuel normalization credits) and Table 406.3 (energy credits) to achieve the following minimum number of credits. To claim this credit, the building permit drawings shall specify the option selected and the maximum tested building air leakage, and show the qualifying ventilation system and its control sequence of operation.

- 1. Small Dwelling Unit: 3 credits
- Dwelling units less than 1,500 sf in conditioned floor area with less than 300 sf of fenestration area. Additions to existing building that are greater than 500 sf of heated floor area but less than 1,500 sf.
- 2. Medium Dwelling Unit: 6 credits All dwelling units that are not included in #1 or #3
- 3. Large Dwelling Unit: 7 credits Dwelling units exceeding 5,000 sf of conditioned floor area
- 4. Additions less than 500 square feet: 1.5 credits All other additions shall meet 1-3 above

Before selecting your credits on this Summary table, review the details in Table 406.3 (Single Family), on page 4.

	Summary of T	able R406.2		
Heating Options	Fuel Normalization Descriptions		select ONE g option	User Notes
1	Combustion heating minimum NAECA ^b	0.0	•	
2	Heat pump ^c	1.0		
3	Electric resistance heat only - furnace or zonal	-1.0		
4	DHP with zonal electric resistance per option 3.4	0.5		
5	All other heating systems	-1.0		
Energy Options	Energy Credit Option Descriptions	energy option	select ONE on from each gory d	
1.1	Efficient Building Envelope	0.5		
1.2	Efficient Building Envelope	1.0		
1.3	Efficient Building Envelope	0.5		
1.4	Efficient Building Envelope	1.0		
1.5	Efficient Building Envelope	2.0		
1.6	Efficient Building Envelope	3.0		
1.7	Efficient Building Envelope	0.5		
2.1	Air Leakage Control and Efficient Ventilation	0.5		
2.2	Air Leakage Control and Efficient Ventilation	1.0		
2.3	Air Leakage Control and Efficient Ventilation	1.5		
2.4	Air Leakage Control and Efficient Ventilation	2.0		
3.1 ^a	High Efficiency HVAC	1.0		
3.2	High Efficiency HVAC	1.0	•	
3.3ª	High Efficiency HVAC	1.5		
3.4	High Efficiency HVAC	1.5		
3.5	High Efficiency HVAC	1.5		
3.6ª	High Efficiency HVAC	2.0		
4.1	High Efficiency HVAC Distribution System	0.5		
4.2	High Efficiency HVAC Distribution System	1.0		

2018 Washington State Energy Code – Residential Prescriptive Energy Code Compliance for All Climate Zones in Washington Single Family – New & Additions (effective February 1, 2021)

	Summary of Table	R406.2 (co	nt.)	
Energy Options	Energy Credit Option Descriptions (cont.)	energy or	select ONE otion from itegory d	User Notes
5.1 ^d	Efficient Water Heating	0.5		
5.2	Efficient Water Heating	0.5	•	
5.3	Efficient Water Heating	1.0		
5.4	Efficient Water Heating	1.5		
5.5	Efficient Water Heating	2.0		
5.6	Efficient Water Heating	2.5		
6.1 ^e	Renewable Electric Energy (3 credits max)	1.0		
7.1	Appliance Package	0.5		
	Total Credits		1.5	CLEAR FORM

- a. An alternative heating source sized at a maximum of 0.5 W/sf (equivalent) of heated floor area or 500 W,
- whichever is bigger, may be installed in the dwelling unit. b. Equipment listed in Table C403.3.2(4) or C403.3.2(5)
- c. Equipment listed in Table C403.3.2(1) or C403.3.2(2)

Prescriptive Path – Single Family

d. You cannot select more than one option from any category EXCEPT in category 5. Option 5.1 may be combined with options 5.2 through 5.6. See Table 406.3.

print only pages 1 through 3 of this worksheet for submission to your build

2018 Washington State Energy Code-R

e. 1.0 credit for each 1,200 kWh of electrical generation provided annually, up to 3 credits max.

See the complete Table R406.2 for all requirements and option descriptions.

WASHINGTON STATE UNIVERSITY EXTENSION ENERGY PROGRAM

Duct Leakage Test Results (Existing Construction)

Permit #:						
House address or lot number	er:					
City:		Zip:		-		
Cond. Floor Area (ft²):						
☐ Duct tightness testing is r	not required for	this residence	per exceptions	s listed at the end of this document		
Test Result:	CFM@25Pa					
Ring (circle one):	Open	1	2	3		
Duct Tester Location:						

I certify that these duct leakage rates are accurate and determined using standard duct testing protoc	:ol
Company Name:	
Duct Testing Technician:	
Technician Signature: Date:	
Phone Number:	

Washington State Energy Code Reference

Pressure Tap Location: _

R101.4.3.1 Mechanical Systems: When a space-conditioning system is altered by the installation or replacement of space-conditioning equipment (including replacement of the air handler, outdoor condensing unit of a split system air conditioner or heat pump, cooling or heating coil, or the furnace heat exchanger), the duct system that is connected to the new or replacement space-conditioning equipment shall be tested as specified in RS-33. The test results shall be provided to the building official and the homeowner.

- 1. Duct systems that are documented to have been previously sealed as confirmed through field verification and diagnostic testing in accordance with procedures in RS-33.
- 2. Ducts with less than 40 linear feet in unconditioned spaces.
- 3. Existing duct systems constructed, insulated or sealed with asbestos.
- 4. Additions of less than 750 square feet.

FOLLIDATE ALT CITIALO FORM

EQUIPMENT SIZING FORM

Prescriptive Path – Single Family

PROJECT TO UTILIZE EXISTING HVAC SYSTEM TO SUPPLY THE EXISTING FOOTPRINT. PROPOSED ADDITION SUPPLIED BY SEPARATE, NEW, SYSTEM SEE SHEET A601 FOR GLAZING SCHEDULE

Simple Heating System Size: Washington State

Location of Ducts

This heating system sizing calculator is based on the Prescriptive Requirements of the 2018 Washington State Energy Code (WSEC) and ACCA Manuals J and S. This tool will calculate heating loads only. ACCA procedures for sizing cooling systems should be used to determine cooling loads. Please complete the green drop-downs and boxes that are applicable to your project. As you make selections in the drop-downs for each section, some

values will be calculated for you. If you do not see the selection you need in the drop-down options, please contact the WSU Energy Program at

energycode@energy.wsu.edu or (360) 956-2042 for assistance. Project Information 501 90th Ave SE ercer Island, WA 98040 randt Design Group All Other Systems Heating System Type: Heat Pump To see detailed instructions for each section, place your cursor on the word "Instructions" **Design Temperature** Design Temperature Difference (ΔT)



Sum of UA

Envelope Heat Load Sum of UA $x \Delta T$ Air Leakage Heat Load

Volume x 0.6 x ΔT x 0.018

Building Design Heat Load Air leakage + envelope heat loss **Building and Duct Heat Load**

Duct Leakage Coefficient

Ducts in unconditioned space: sum of building heat loss x 1.10

Ducts in conditioned space: sum of building heat loss x 1 Maximum Heat Equipment Output 4,866 Btu / Hour Building and duct heat loss x 1.40 for forced air furnace Building and duct heat loss x 1.25 for heat pump

51.94

1,202 Btu / Hour

3,539 Btu / Hour

3,892 Btu / Hour

WHOLE HOUSE VENTILATION CALCS

TABLE M1505.4.3(1)

Prescriptive Path – Single Family

DWELLING UNIT	N	UMB	ER O	F BEC	ROOMS
FLOOR AREA	0 - 1	2	3	4	5 or more
(square feet)		A	irflov	v in c	:fm
< 500	30	30	35	45	50
501 - 1,000	30	35	40	50	55
1,001 — 1,500	30	40	45	55	60
1,501 - 2,000	35	45	50	60	65
2,001 - 2,500	40	50	55	65	70
2,501 - 3,000	45	55	60	70	75
3,001 - 3,500	50	60	65	75	80
3,501 — 4,000	55	65	70	80	85
4,001 — 4,500	60	70	75	85	90
4,501 — 5,000	65	75	80	90	95

2018 Washington State Energy Code-R

TABLE M1505.4.3(3)				
RUN-TIME % IN EACH	50%	66%	750/	100
4-HOUR SEGMENT	50%	00%	75%	100

PROPOSED CONDITIONED SF = 1,946

NUMBER OF BEDROOMS = 4AIRFLOW IN CF REQUIRED FOR CONTINUOUS VENTILATION = 60 (per M1505.4.3(1)) RUN TIME PERCENTAGE IN EACH 4 HOUR SEGMENT = 50% FACTOR = 2

2 1.5 1.3 1.0

CALC 60 CFM X 2 = 120 CFM

(N) 120 CFM EXHAUST FAN IN LAUNDRY 110 TO PROVIDE WHOLE HOUSE VENTIATION REQUIREMENT WITH PROGRAMABLE CONTROLS LOCATED WITHIN THAT ROOM.

(07/01/13)

Design Group

66 Bell Street Unit 1 Seattle, WA

98121

206.239.0850

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REGISTERED ARCHITECT

STATE OF WASHINGTON

PERMIT SUBMITAL SET

DATE:	12.7.2023				
SHEET SIZE:	D (24X36				
REVISIONS					
DESCRIPTION	DATE				

DRAWN BY: RL CHECKED BY: KM ENERGY CODE / VENTILATION **CALCULATIONS**

1/4" = 1'-0"

STAMP

LEGAL DESCRIPTION

LOT 28, EL DORADO ESTATES ADDITION, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 62 OF PLATS AT PAGE 7, RECORDS OF KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARINGS

PER PLAT OF EL DORADO ESTATES, THE CENTERLINE OF 90TH AVE SE BEARS N29°48'12"E BETWEEN FOUND MONUMENTS

REFERENCES

R1. PLAT OF EL DORADO ESTATES, VOL 62, PG 7 RECORDS OF KING, COUNTY, WASHINTON

VERTICAL DATUM

CITY OF MERCER ISLAND

CENTER OF CUL DE SAC 90TH AVE SE ELEV=346.46

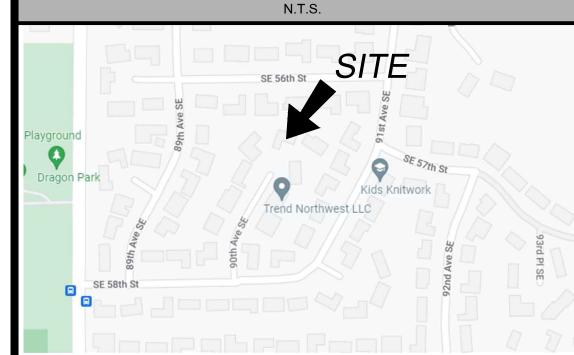
SURVEYOR'S NOTES

- I. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN OCTOBER OF 2022. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. DESIGN SHOULD RELY ON SPOT
- 2. ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.
- 3. THE TYPES AND LOCATIONS OF ANY UTILITIES SHOWN ON THIS DRAWING ARE BASED ON INFORMATION PROVIDED TO US, BY OTHERS OR GENERAL INFORMATION READILY AVAILABLE IN THE PUBLIC DOMAIN INCLUDING, AS APPLICABLE, IDENTIFYING MARKINGS PLACED BY UTILITY LOCATE SERVICES AND OBSERVED BY TERRANE IN THE FIELD. AS SUCH, THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE RELIED ON FOR DESIGN OR CONSTRUCTION PURPOSES; TERRANE IS NOT RESPONSIBLE OR LIABLE FOR THE ACCURACY OR COMPLETENESS OF THIS UTILITY INFORMATION. FOR THE ACCURATE LOCATION AND TYPE OF UTILITIES NECESSARY FOR DESIGN AND CONSTRUCTION, PLEASE CONTACT THE SITE OWNER AND THE LOCAL UTILITY LOCATE SERVICE (800-424-5555).
- 4. SUBJECT PROPERTY TAX PARCEL NO. 2287000280
- 5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 11,738 S.F. (0.27 ACRES)
- 6. THE PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN CHICAGO TITLE INSURANCE COMPANY, COMMITMENT NO. 0247816-ETU, WITH AN EFFECTIVE DATE OF OCTOBER 17, 2022 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTION'S REFERENCED IN SAID TITLE COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE PROPERTY OR OTHERWISE KNOWN TO ME HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE PROPERTY
- 7. EXISTING STRUCTURE(S) LOCATION AND DIMENSIONS ARE MEASURED FROM THE FACE OF THE SIDING UNLESS OTHERWISE
- B. FIELD DATA FOR THIS SURVEY WAS OBTAINED BY DIRECT FIELD MEASUREMENTS WITH A CALIBRATED ELECTRONIC 5-SECOND TOTAL STATION AND/OR SURVEY GRADE GPS OBSERVATIONS. ALL ANGULAR AND LINEAR RELATIONSHIPS ARE ACCURATE AND MEET THE STANDARDS SET BY WAC 332-130-090.

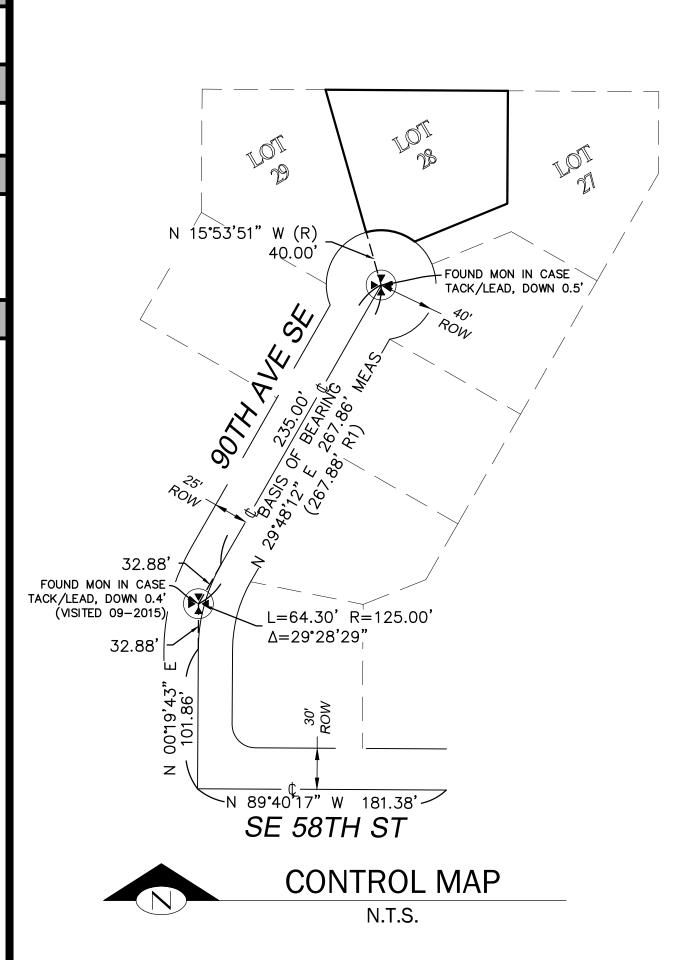
LEGEND

	ASPHALT SURFACE			SEWER MANHOLE
BOL O	BOLLARD	_	— T —	TELEPHONE (OVERHEAD)
************	BUILDING	SIZE	TYPE (o)	TREE (AS NOTED)
— ¢—	CENTERLINE ROW		— w—	WATER LINE
	CONCRETE SURFACE		WM 🗆	WATER METER
	FENCE LINE (WOOD)		w∨⊠	WATER VALVE
\sim	FIRE HYDRANT		ACU	AIR CONDITION UNIT
G 🔲	GAS METER		BLDG	BUILDING
F	GRAVEL SURFACE		CALC'D	CALCULATED
\ <u> </u>	GUY ANCHOR		COS	CITY OF SEATTLE
$\sim\sim$	HEDGE FOLIAGE LINE		CONC	CONCRETE
/ MB `	MAILBOX (RESIDENTIAL)		COR	CORNER
	MONUMENT (IN CASE, FOUN	(חו	DEC	DECIDUOUS
	PAVER SURFACE	ND)	ELEV	ELEVATION
			EVG	EVERGREEN
P□	POWER METER		FF	FINISH FLOOR
—— P ——	POWER (OVERHEAD)		MEAS	MEASURED
PP O	POWER POLE		MON	MONUMENT
	PROPERTY LINE (SUBJECT)		OHP	OVERHEAD POWER
•	REBAR & CAP (SET)		OHT	OVERHEAD TELEPHONE
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	RETAINING WALL		PROP	PROPERTY
	RIGHT-OF-WAY LINES		SSMH	SANITARY SEWER MANHOL
	ROCKERY		SSS	SANITARY SIDE SEWER
—— SS ——	SEWER LINE		SF	SQUARE FEET

VICINITY MAP



TOPOGRAPHIC & BOUNDARY SURVEY



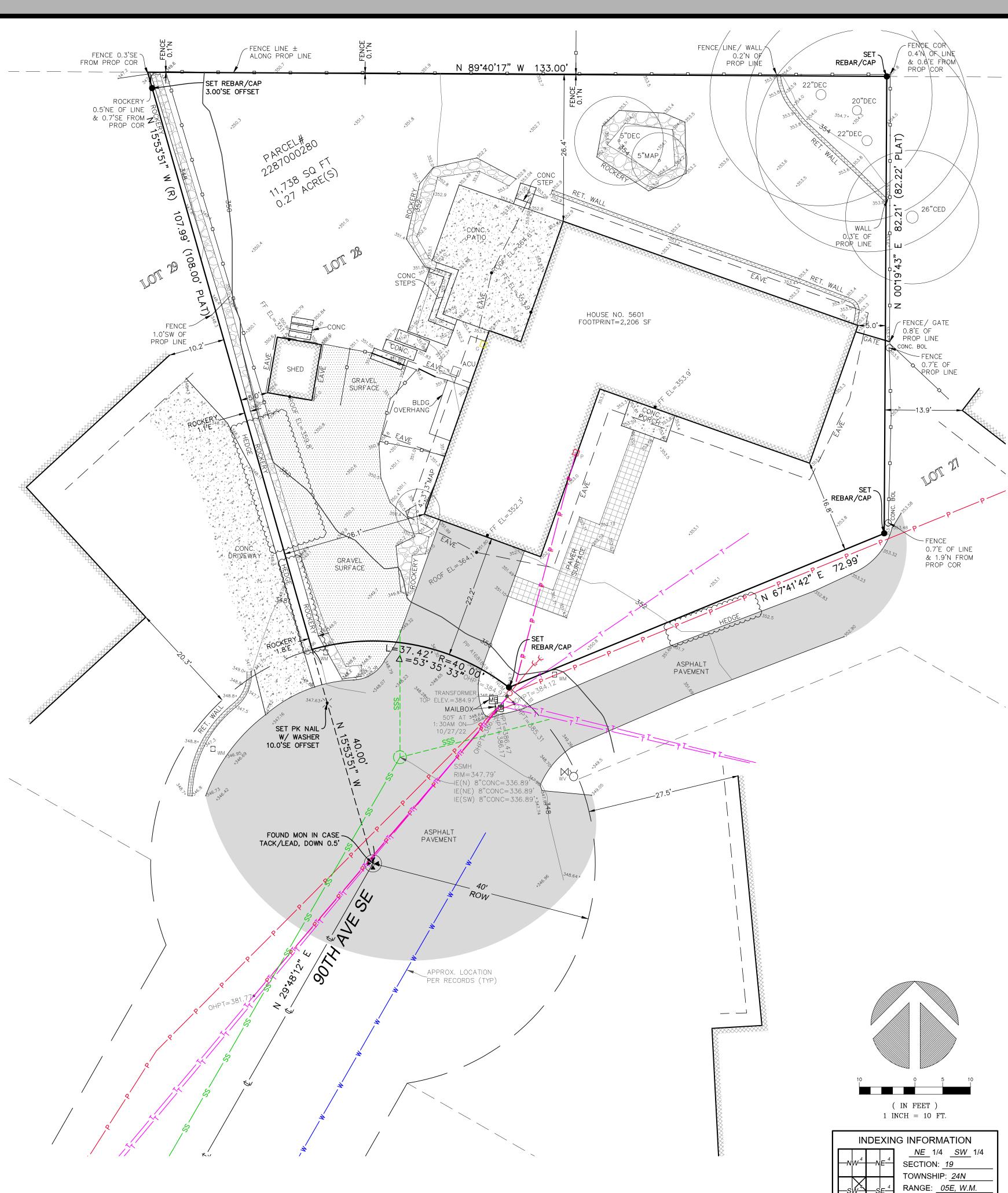
SCHEDULE B ITEMS

- 1. RESERVATIONS AND EXCEPTIONS CONTAINED IN DEED RECORDING DATE: JANUARY 4, 1946 RECORDING NO.: 3529266 (NOTHING PLOTTED. BLANKET IN NATURE. DOCUMENT PARTIALLY
- COVENANTS, CONDITIONS, RESTRICTIONS, RECITALS, RESERVATIONS, EASEMENTS, EASEMENT PROVISIONS, ENCROACHMENTS, DEDICATIONS, BUILDING SETBACK LINES, NOTES, STATEMENTS, AND OTHER MATTERS, IF ANY, BUT OMITTING ANY COVENANTS OR RESTRICTIONS, IF ANY, INCLUDING BUT NOT LIMITED TO THOSE BASED UPON RACE. COLOR, RELIGION, SEX, SEXUAL ORIENTATION, FAMILIAL STATUS, MARITAL STATUS, DISABILITY, HANDICAP, NATIONAL ORIGIN, ANCESTRY, OR SOURCE OF INCOME, AS SET FORTH IN APPLICABLE STATE OR FEDERAL LAWS, EXCEPT TO THE EXTENT THAT SAID COVENANT OR RESTRICTION IS PERMITTED BY APPLICABLE LAW, AS SET FORTH ON EL DORADO ESTATES: RECORDING NO: 5017060

(NOTHING PLOTTED. BLANKET IN NATURE. RESTRICITONS EXIST.)

STEEP SLOPE/BUFFER DISCLAIMER:

THE LOCATION AND EXTENT OF STEEP SLOPES SHOWN ON THIS DRAWING ARE FOR INFORMATIONAL PURPOSES ONLY AND CANNOT BE RELIED ON FOR DESIGN AND/OR CONSTRUCTION. THE PITCH, LOCATION, AND EXTENT ARE BASED SOLELY ON OUR GENERAL OBSERVATIONS ON SITE AND OUR CURSORY REVIEW OF READILY AVAILABLE PUBLIC DOCUMENTS; AS SUCH, TERRANE CANNOT BE LIABLE OR RESPONSIBLE FOR IHE ACCURACY OR COMPLETENESS OF ANY STEEP SLOPE INFORMATION. ULTIMATELY, THE LIMITS AND EXTENT OF ANY STEEP SLOPES ASSOCIATED WITH ANY SETBACKS OR OTHER DESIGN OR CONSTRUCTION PARAMETERS MUST BE DISCUSSED AND APPROVED BY THE REVIEWING AGENCY BEFORE ANY CONSTRUCTION CAN OCCUR.



JOB NUMBER:

DRAFTED BY:

CHECKED BY:

COUNTY: KING

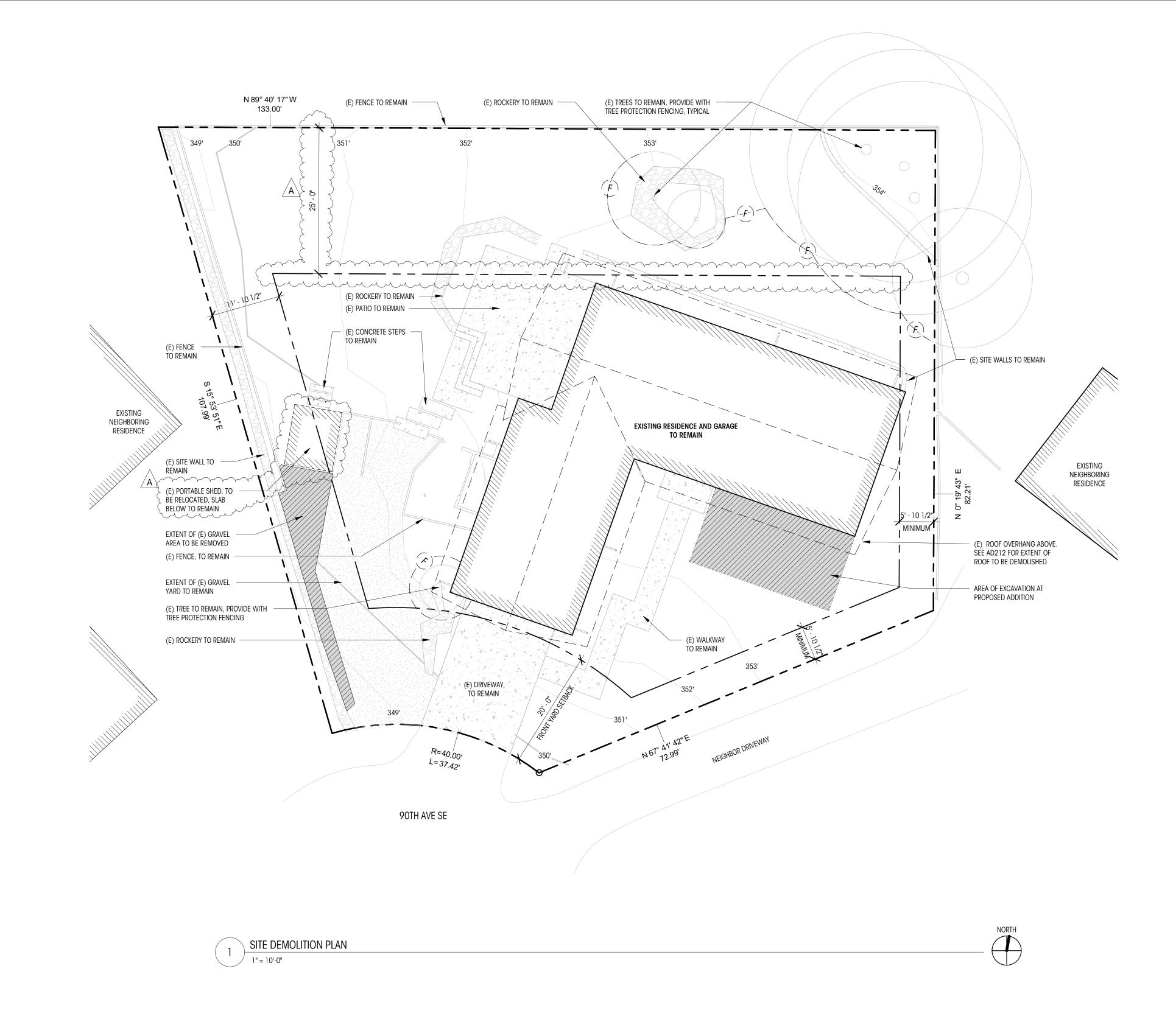
REVISION HISTORY

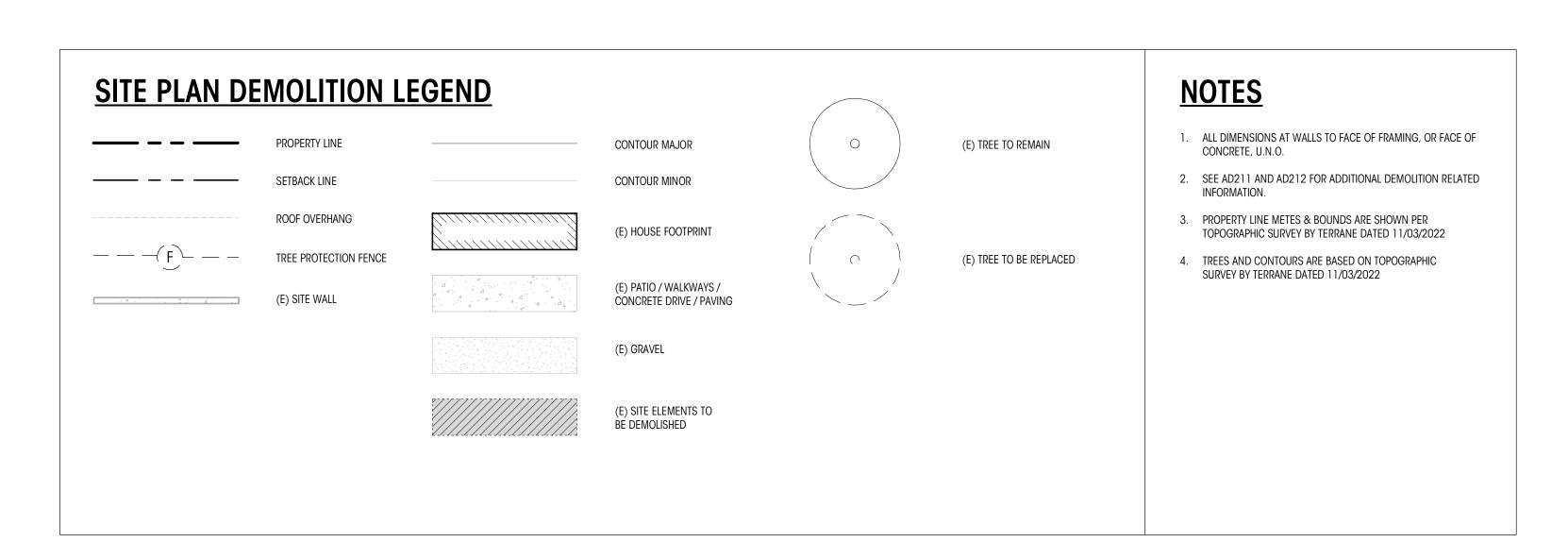
SHEET NUMBER

11/03/22

TLR/ EJG

1" = 10'





Design Group

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STATE OF WASHINGTON

5601 90th Ave SE Mercer Island, WA 98040

4

PERMIT SUBMITAL SET

	DATE:	12.7.2023				
	SHEET SIZE:	D (24X36				
	REVISIONS					
١	NO. DESCRIF	PTION DATE				

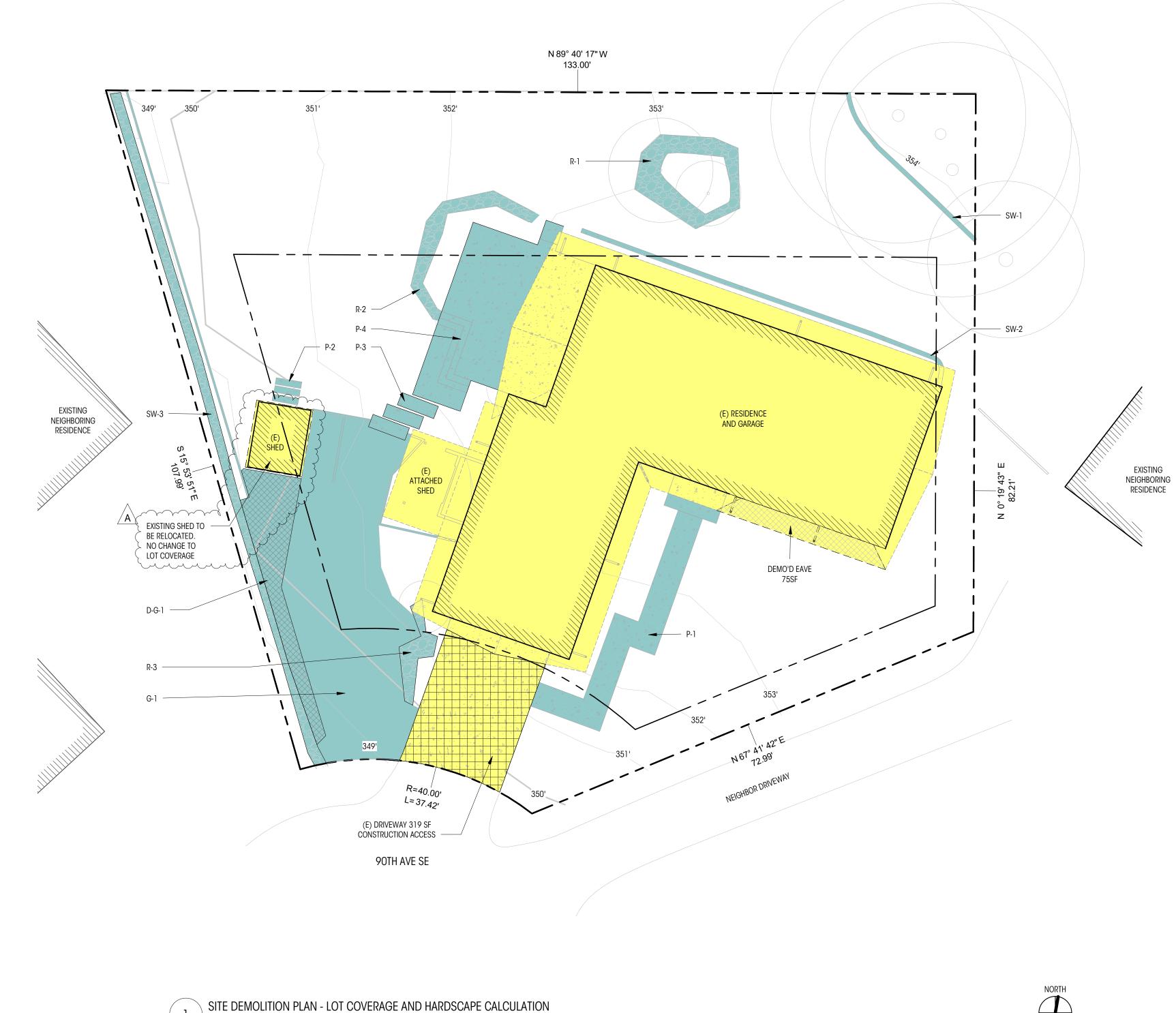
PLAN CHECK 1 01.05.24

DRAWN BY: RL
CHECKED BY: KM

SITE DEMOLITION PLAN

SCALE: 1" = 10'-0"

AD101





LEGEND LOT COVERAGE TO REMAIN (E) TREE TO REMAIN PROPERTY LINE DEMOLISHED LOT COVERAGE SETBACK LINE HARDSCAPE TO REMAIN ROOF OVERHANG CONTOUR MAJOR DEMOLISHED HARDSCAPE CONTOUR MINOR CONSTRUCTION ACCESS

CALCULATIONS

LOT COVERAGE TO BE DEMOLISHED / REPLACED

(E) RESIDENCE AND OVERHANGS (E) ATTACHED SHED ROOF

(E) ROOF, GARAGE, AND OVERHANGS

HARDSCAPE TO REMAIN

ROCKERIES

SITE WALLS

GRAVEL

TOTAL

TOTAL

PATIOS / WALKWAYS

P-1

P-2

P-3 P-4

R-2 R-3

SW-2

HARDSCAPE TO BE DEMOLISHED

TOTAL

(E) DETATCHED SHED ROOF (E) DRIVING SURFACES

EXISTING LOT COVERAGE (INCLUDING COVERAGE TO BE DEMOLISHED)

3,016 SF 126 SF 91 SF 319 SF

3,552 SF

75 SF

75 SF

203 SF

12 SF 36 SF

314 SF

104 SF 68 SF

34 SF

20 SF 39 SF

764 SF

1,745 SF

161 SF

161 SF

151 SF

NOTES

- 1. ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF CONCRETE, U.N.O.
- 2. PROPERTY LINE METES & BOUNDS ARE SHOWN PER TOPOGRAPHIC SURVEY BY TERRANE DATED 11/03/2022
- 3. TREES AND CONTOURS ARE BASED ON TOPOGRAPHIC SURVEY BY TERRANE DATED 11/03/2022

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RESIDENCE

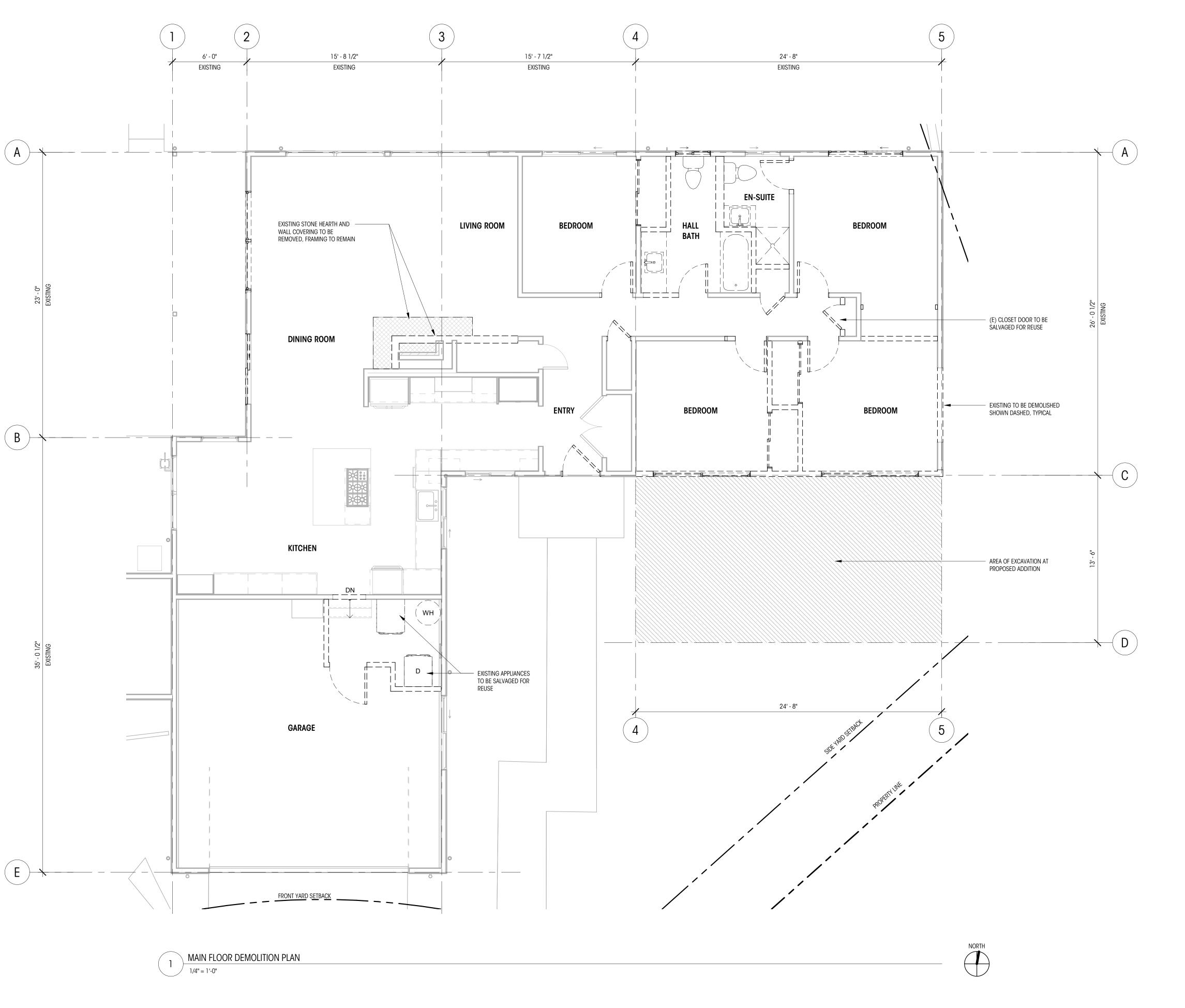
HANAN

PERMIT SUBMITAL SET

DA	TE:	12.7.2023
SHI	EET SIZE:	D (24X36)
R	EVISION	IS
NO.	DESCRIPTION	DATE
Α	PLAN CHECK 1	01.05.24

DRAWN BY: RL CHECKED BY: KM DEMOLITION LOT COVERAGE & HARDSCAPE SITE PLAN

1" = 10'-0"



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REGISTERED ARCHITECT
STATE OF WASHINGTON

N RESIDENCE

PERMIT SUBMITAL SET

DATE: 12.7.2023

SHEET SIZE: D (24X36)

REVISIONS

NO. DESCRIPTION DATE

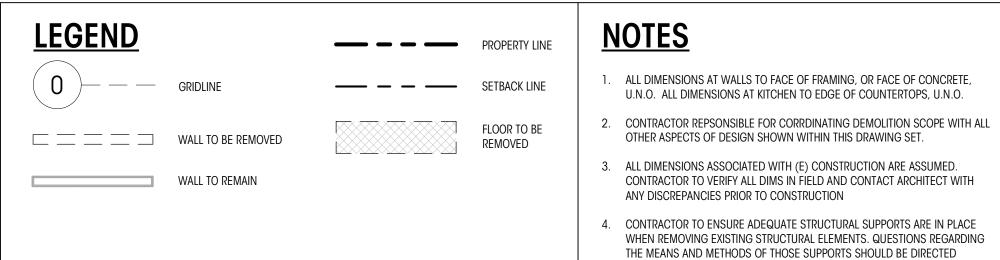
DRAWN BY: RL CHECKED BY: KM

MAIN FLOOR DEMOLITION PLAN

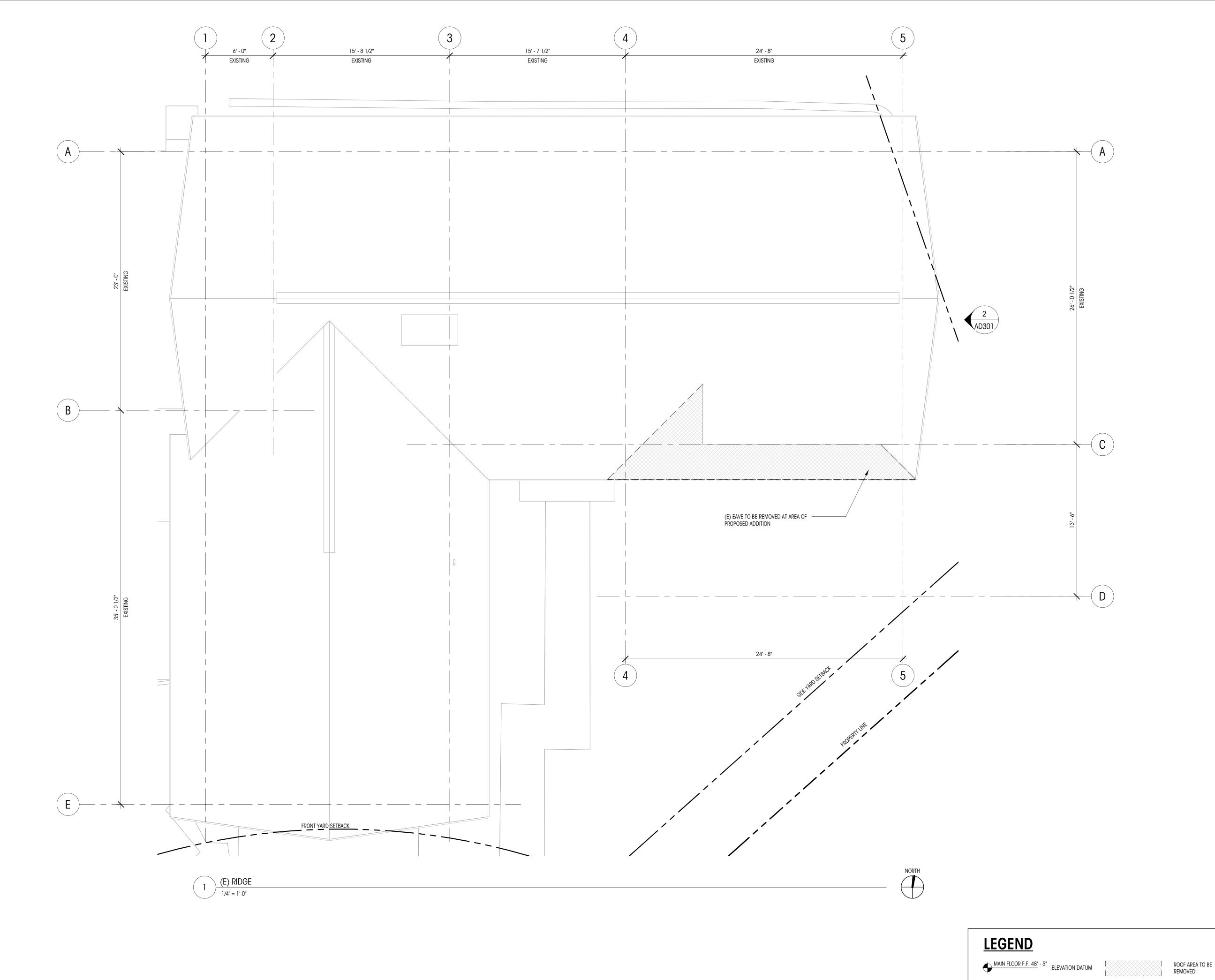
SCALE: 1/4" = 1'-0"

AD211

DEDICATED APPROVAL STAMP



TOWARD THE STRUCTURAL ENGINEER



Design Group

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REGISTERED ARCHITECT

STATE OF WASHINGTON

STATE OF WASHINGTON

JCHANAN RESIDENCE

PERMIT SUBMITAL SET

DATE: 12.7.2023

SHEET SIZE: D (24X36)

REVISIONS

NO. DESCRIPTION DATE

DRAWN BY: RL CHECKED BY: KM

ROOF DEMOLITION PLAN

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

AD212

NOTES

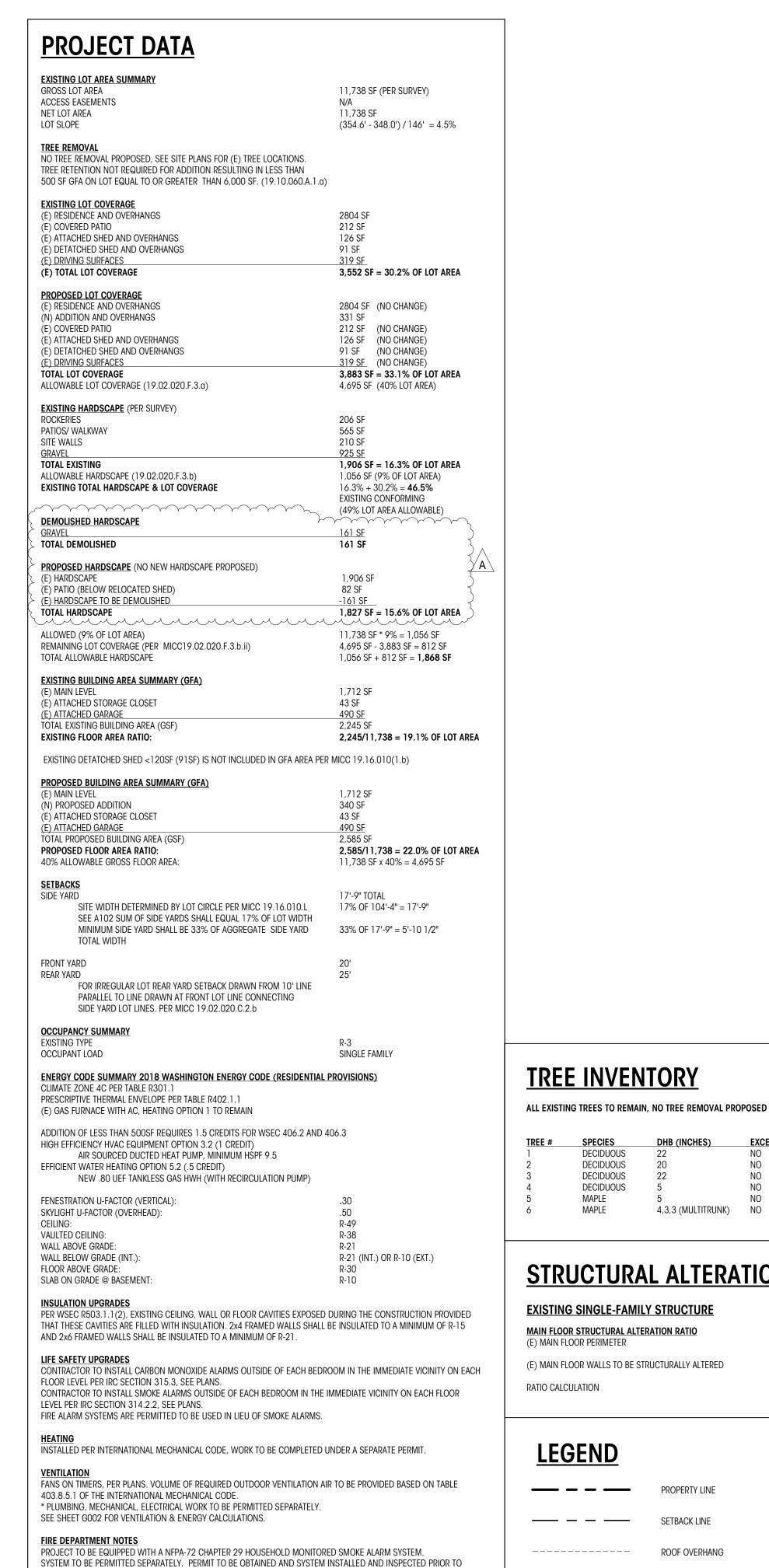
Existing Roof To remain

EXISTING WALL TO REMAIN 1. ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF CONCRETE, U.N.O.

2. CONTRACTOR REPSONSIBLE FOR CORRDINATING DEMOLITION SCOPE WITH ALL OTHER ASPECTS OF DESIGN SHOWN WITHIN THIS DRAWING SET.

3. ALL DIMENSIONS ASSOCIATED WITH (E) CONSTRUCTION ARE ASSUMED. CONTRACTOR TO VERIFY ALL DIMS IN FIELD AND CONTACT ARCHITECT WITH ANY DISCREPANCIES PRIOR TO CONSTRUCTION

4. CONTRACTOR TO ENSURE ADEQUATE STRUCTURAL SUPPORTS ARE IN PLACE WHEN REMOVING EXISTING STRUCTURAL ELEMENTS. QUESTIONS REGARDING THE MEANS AND METHODS OF THOSE SUPPORTS SHOULD BE DIRECTED TOWARD THE STRUCTURAL ENGINEER



FINAL OCCUPANCY.

(2) SPACES PROVIDED IN EXISTING ATTACHED GARAGE.

A STORM WATER DRAINAGE REVIEW IS REQUIRED FOR PROJECTS THAT:

2. HAVE A LAND DISTURBING ACTIVITY OF 7,000 SQUARE FEET OR GREATER, OR

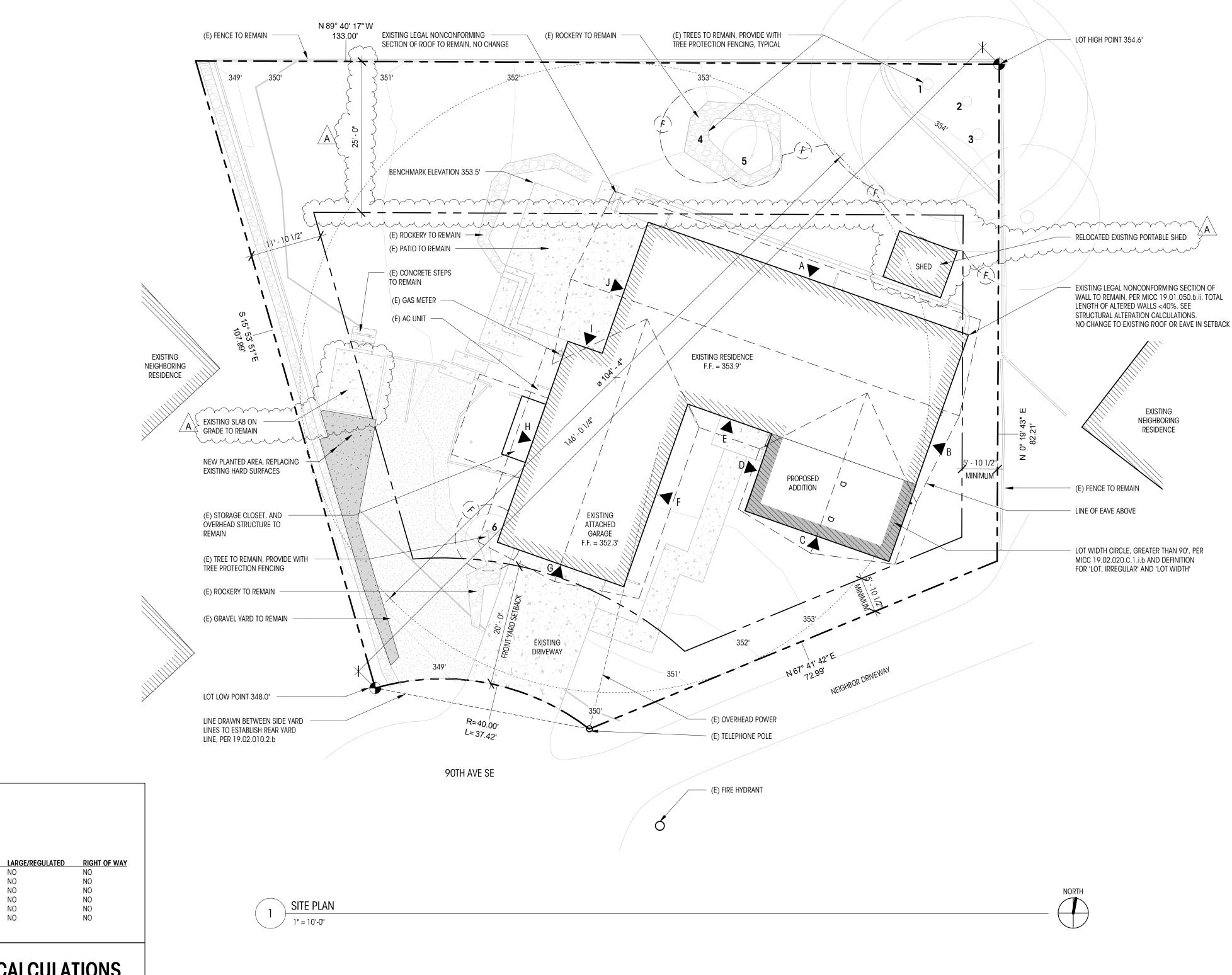
STORMWATER CODE (MICC 15.09.050)

FOR SINGLE FAMILY RESIDENCE LESS THAN 3,000 SF GFA (2) SPACES SHALL BE PROVIDED, ATLEAST (1) COVERED

1. RESULT IN 2,000 SQUARE FEET, OR GREATER, OF NEW PLUS REPLACED HARD SURFACE AREA,

3. RESULT IN A NET INCREASE OF IMPERVIOUS SURFACE OF 500 SQUARE FEET OR GREATER.

PROPOSED NEW / REPLACED IMPERVIOUS SURFACES IS 331SF, STORMWATER REVIEW NOT REQUIRED



STRUCTURAL ALTERATIONS CALCULATIONS

EXISTING SINGLE-FAMILY STRUCTURE

MAIN FLOOR STRUCTURAL ALTERATION RATIO (E) MAIN FLOOR PERIMETER

SPECIES

DECIDUOUS

DECIDUOUS

DECIDUOUS

DECIDUOUS

MAPLE

MAPLE

240.8 LF 25.3 LF

EXCEPTIONAL

(E) MAIN FLOOR WALLS TO BE STRUCTURALLY ALTERED RATIO CALCULATION

25.3 LF/ 240.3 LF = 10.5%

TREE PROTECTION FENCE

(E) SITE WALL

(N) SITE WALL

CONTOUR MAJOR

CONTOUR MINOR

4,3,3 (MULTITRUNK) NO

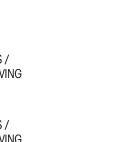
LEGEND

(E) HOUSE FOOTPRINT (E) TREE TO REMAIN

PROPERTY LINE (N) HOUSE FOOTPRINT SETBACK LINE ROOF OVERHANG



(N) PLANTED AREA



AVERAGE BUILDING ELEVATIONS



SPOT ELEVATION 3. ITEMS NOT SPECIFICALLY REFERENCED ARE EXISTING TO REMAIN, TYPICAL, SEE AD101 FOR SITE DEMO PLAN

NOTES

DATED 11/03/2022.

CONCRETE, U.N.O.

1. ALL PROPERTY LINE METES & BOUNDS, TREES, CONTOURS, AND

2. ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF

BUILDING LOCATIONS ARE PER TOPOGRPHIC SURVEY BY TERRANE

MIDPOINT EL. (FT.) WALL LENGTH (FT.) 19,853.4 353.2' 56.21' 353.41 39.75 14,047.6 353.11 25.33' 8,944.0 353.41 13.50' 4,770.9 353.41 14.67' 5,184.4 353.0' 32.00' 11,296.0 352.01 22.21' 7,817.9 351.9' 35.25' 12,404.5 353.81 6.00' 2,122.8 8,137.4 TOTALS 94,578.9 267.92' AVERAGE GRADE (ABE) 94,578.9 / 267.92' = **353.0**'

30' ABOVE ABE

383.0'

MAXIMUM ALLOWABLE HEIGHT

MAXIMUM BUILDING HEIGHT / ELEVATION

AVERAGE BUILDING ELEVATION (ABE)

Design Group

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98121

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REGISTERED ARCHITECT STATE OF WASHINGTON

PERMIT SUBMITAL SET

DATE: 12.7.2023 D (24X36) SHEET SIZE:

DESCRIPTION DATE PLAN CHECK 1 01.05.24

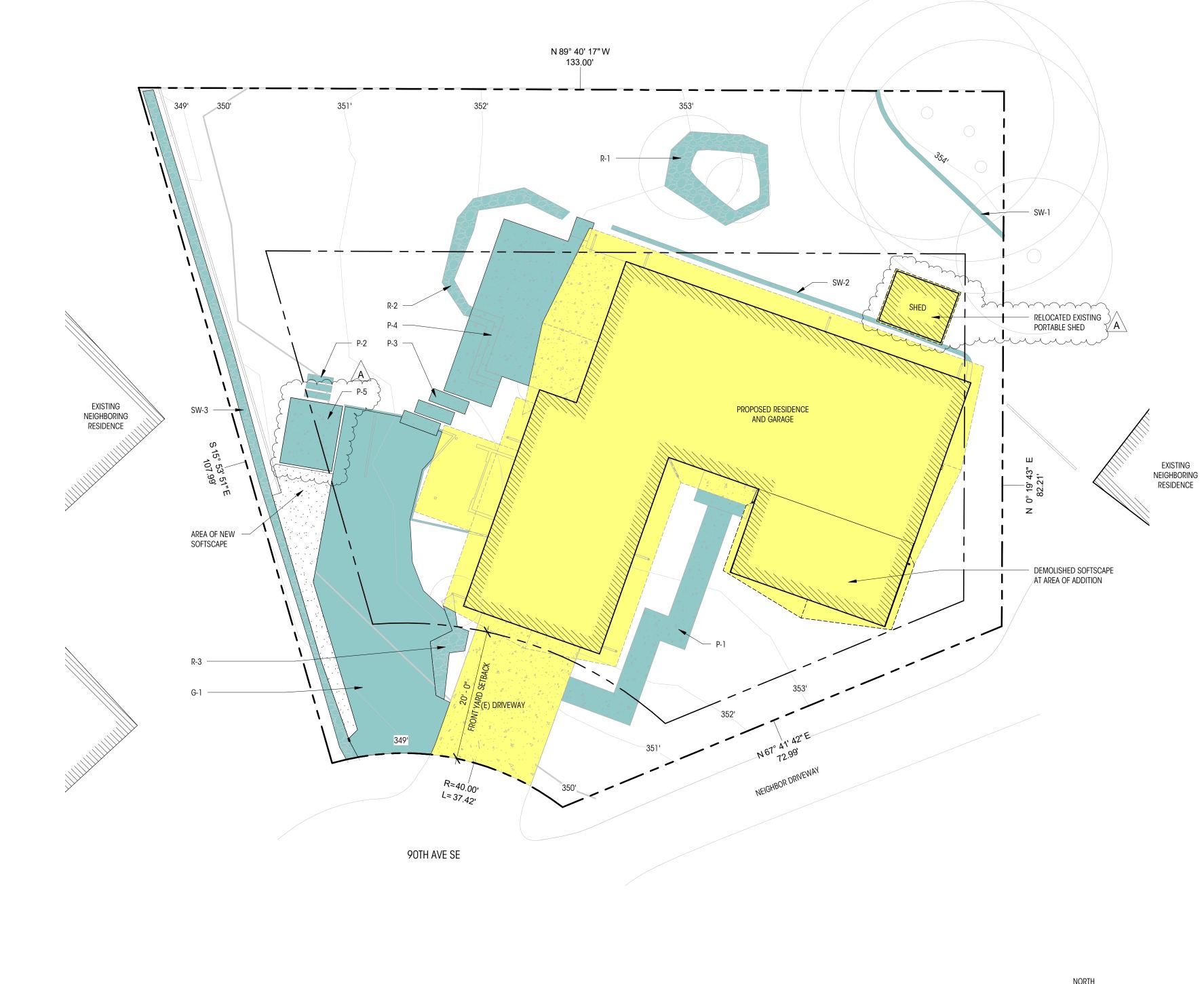
DRAWN BY: RL

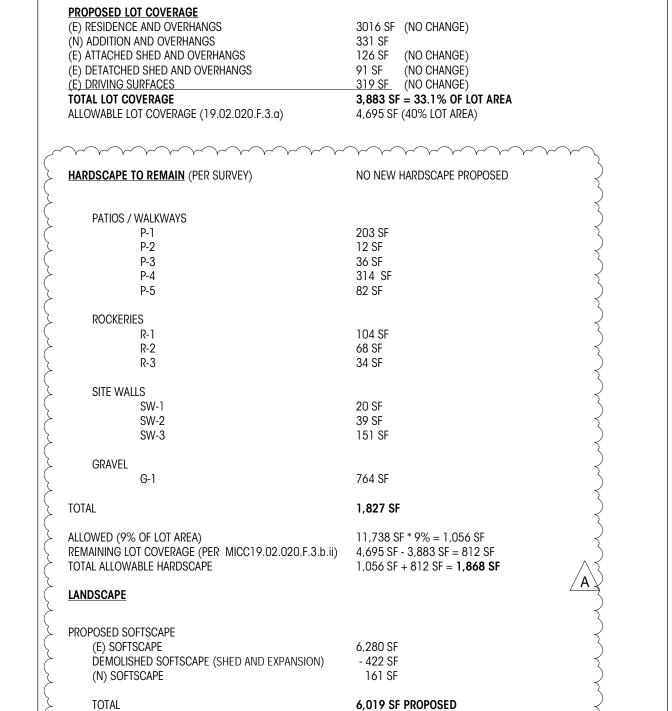
SITE PLAN

CHECKED BY: KM

As indicated

APPROVAL STAMP





CALCULATIONS

REQUIRED SOFTSCAPE

SITE PLAN - LOT COVERAGE AND HARDSCAPE CALCULATION

1" = 10'-0"

<u>NOTES</u>

- ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF CONCRETE, U.N.O.
- 2. PROPERTY LINE METES & BOUNDS ARE SHOWN PER TOPOGRAPHIC SURVEY BY TERRANE DATED 11/03/2022
- 3. TREES AND CONTOURS ARE BASED ON TOPOGRAPHIC SURVEY BY TERRANE DATED
- 4. SEE SHEET A101 FOR COMPLETE SITE PLAN

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HANAN RESIDENCE

PERMIT SUBMITAL SET

DATE: 12.7.2023

SHEET SIZE: D (24X36)

REVISIONS

NO. DESCRIPTION DATE

A PLAN CHECK 1 01.05.24

DRAWN BY: RL

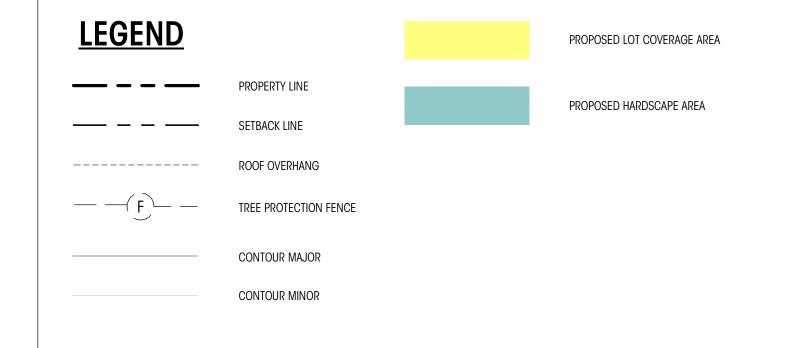
CHECKED BY: KM

PROPEISADELQT HARDSCAPE SITE PLAN

SCALE: 1" = 10'-0"

A102

DEDICATED APPROVAL STAMP

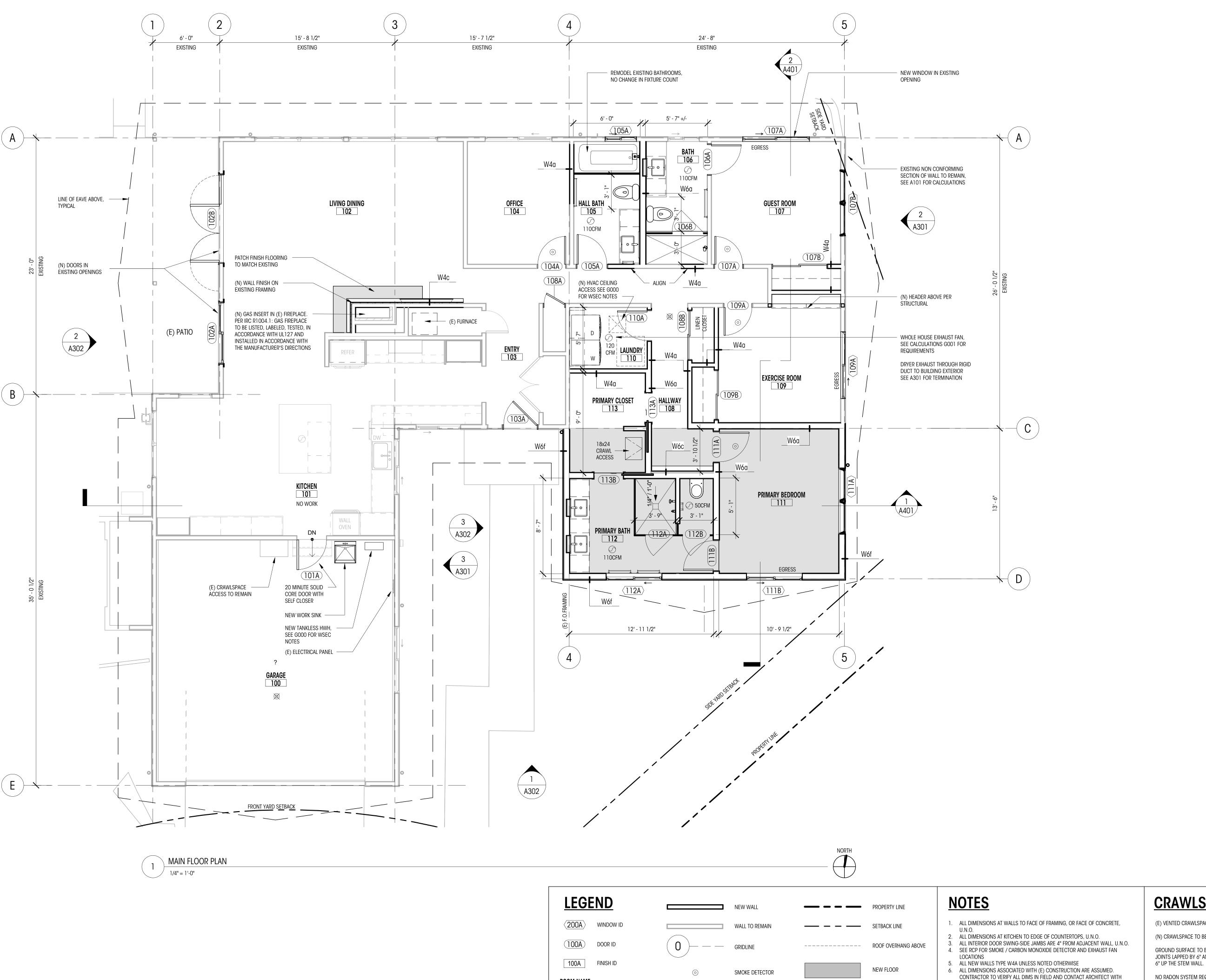


6,019 SF / 11,738 SF = 51.3% OF LOT AREA

60% OF LOT AREA - 9% OF LOT AREA = 51%

51% * 11,738 = **5,986 SF MINIMUM**





ROOM ID

__W4a__ ASSEMBLY ID

SMOKE/CARBON

MONOXIDE DETECTOR

FAN - 100 CFM U.N.O.

Brandt

Design Group

66 Bell Street Unit 1 Seattle, WA 98121

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STATE OF WASHINGTO

BUCHANAN RESIDENCE

PERMIT SUBMITAL SET

DAT	ΓE:	12.7.2023				
SHI	EET SIZE:	D (24X36)				
RI	REVISIONS					
NO.	DESCRIPTION	DATE				

DRAWN BY: RL CHECKED BY: KM

MAIN FLOOR PLAN

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

A211

DEDICATED APPROVAL STAMP

CRAWLSPACE VENTILATION CALC

(E) VENTED CRAWLSPACE TO REMAIN AT EXISTING FOOTPRINT, NO CHANGES.

(N) CRAWLSPACE TO BE UNVENTED PER R408.3

ANY DISCREPANCIES PRIOR TO CONSTRUCTION

SECTION 315.3.

7. CONTRACTOR TO VERIFY CARBON MONOXIDE ALARMS ARE OUTSIDE OF EACH

8. CONTRACTOR TO VERIFY SMOKE ALARMS ARE OUTSIDE OF EACH BEDROOM IN

THE IMMEDIATE VICINITY ON EACH FLOOR LEVEL PER IRC SECTION 314.2.2.

9. FLOOR, CEILING, AND WALL ASSEMBLIES ARE LISTED ON SHEETS A701.

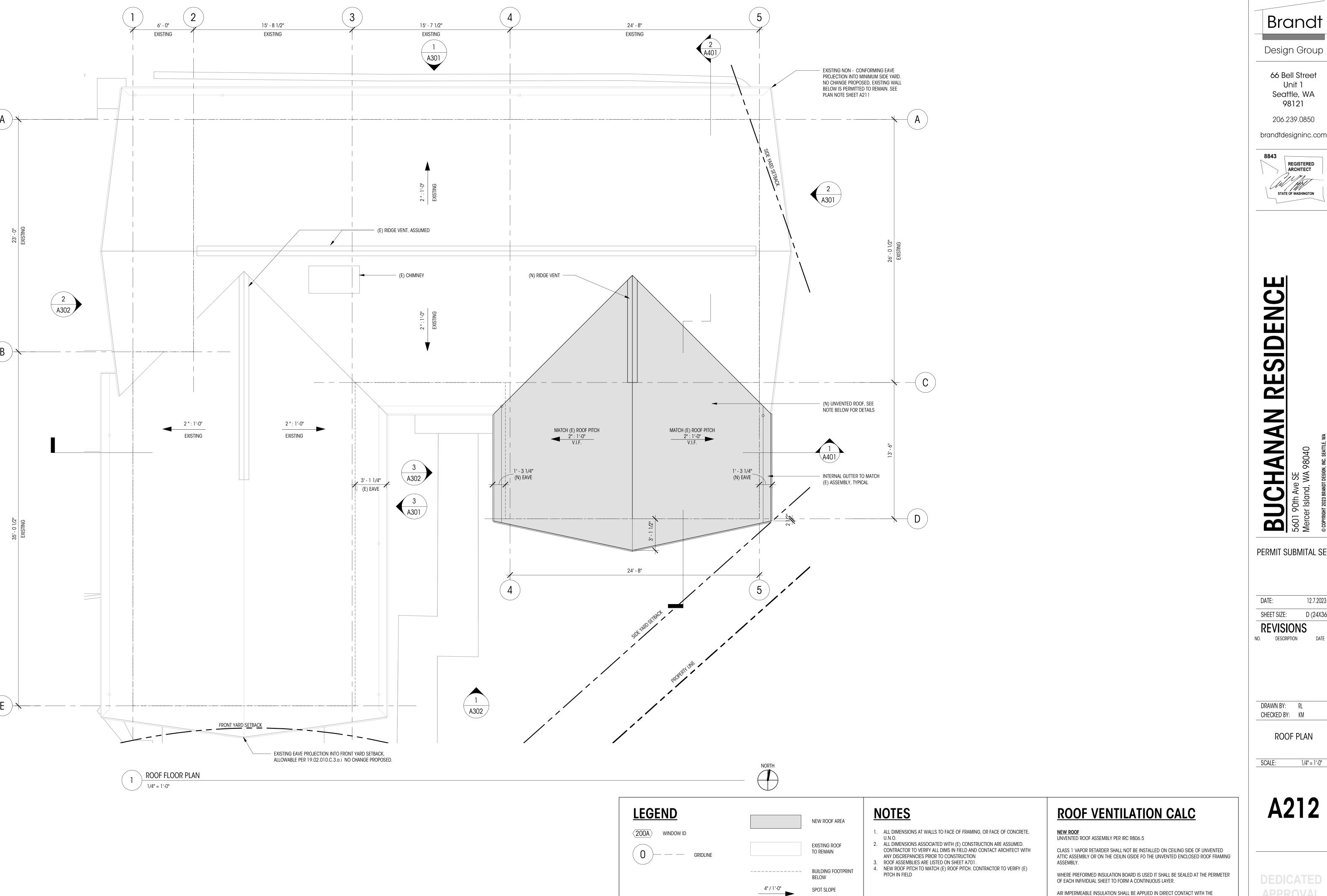
BEDROOM IN THE IMMEDIATE VICINITY ON EACH FLOOR LEVEL PER IRC

GROUND SURFACE TO BE COVERED WITH APPROVED CLASS 1 VAPOR RETARDER MATERIAL.

JOINTS LAPPED BY 6" AND SEALED. EDGES OF THE VAPOR RETARDER SHALL EXTEND AT LEAST

NO RADON SYSTEM REQUIRED. PROJECT IS NOT WITHIN COUNTY IDENTIFIED IN TABLE AF101 CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION TO BE PROVIDED AT A RATE EQUAL TO 1 CFM / 50 SF OF CRAWLSPACE FLOOR AREA. EXHAUST SHALL TERMINATE TO THE EXTERIOR.

315 SF / 50 SF = 7 CFM EXHAUST VENTILATION REQUIRED



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REGISTERED ARCHITECT

STATE OF WASHINGTON

RESIDENCE

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12.7.2023 DATE: D (24X36) SHEET SIZE:

DRAWN BY: RL

ROOF PLAN

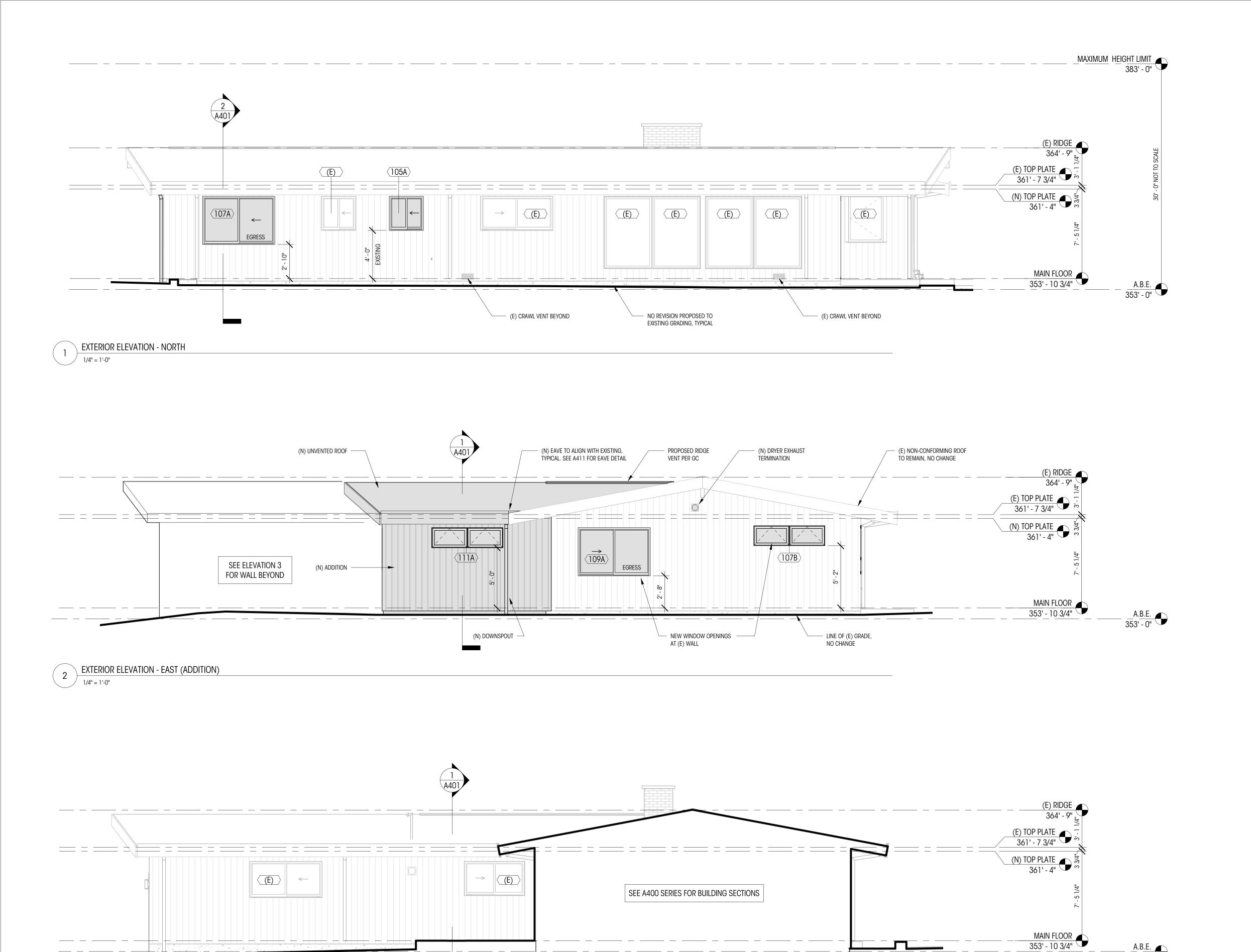
1/4" = 1'-0"

DEDICATED **APPROVAL** STAMP

UNDERSIDE OF THE STRUCTURAL ROOF SHEATHING.

REMAINING EXISTING VENTED ASSEMBLY TO REMAIN

SEE A701 FOR PROPOSED ASSEMBLY



3 EXTERIOR ELEVATION - EAST

LEGEND NOTES NEW CONSTRUCTION ELEMENT (200A) WINDOW ID (E) AT EXISTING TO REMAIN . ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF CONCRETE, 2. ALL DIMENSIONS ASSOCIATED WITH (E) CONSTRUCTION ARE ASSUMED.
CONTRACTOR TO VERIFY ALL DIMS IN FIELD AND CONTACT ARCHITECT WITH
ANY DISCREPANCIES PRIOR TO CONSTRUCTION Existing Element To Remain DOOR ID
(E) AT EXISTING TO REMAIN LEVEL NAME ELEVATION **ELEVATION DATUM**

A.B.E.

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SIDENCE **4**

PERMIT SUBMITAL SET

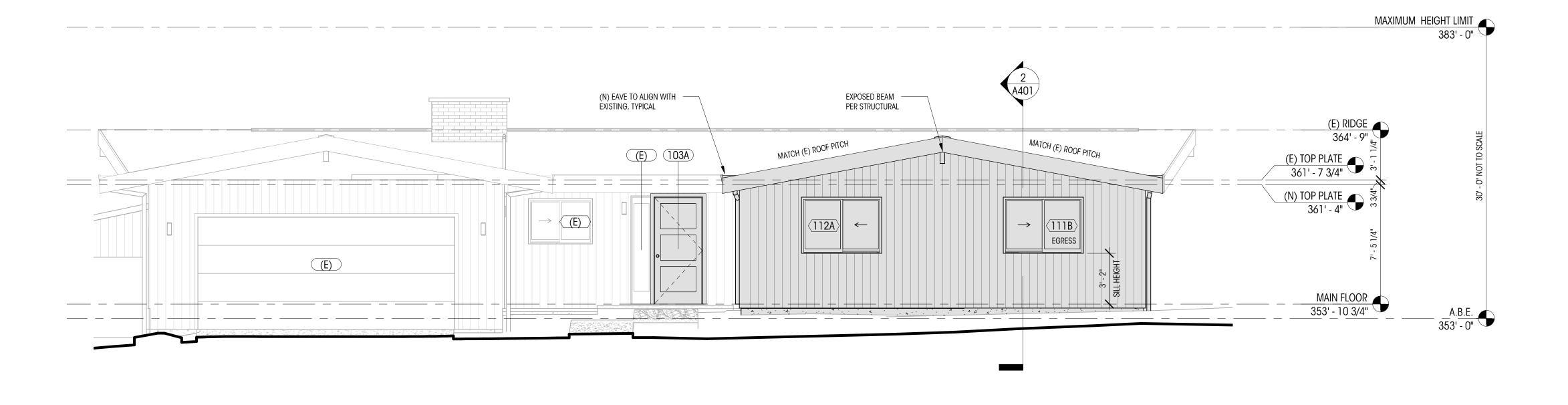
DATE: 12.7.2023 SHEET SIZE: D (24X36) NO. DESCRIPTION DATE

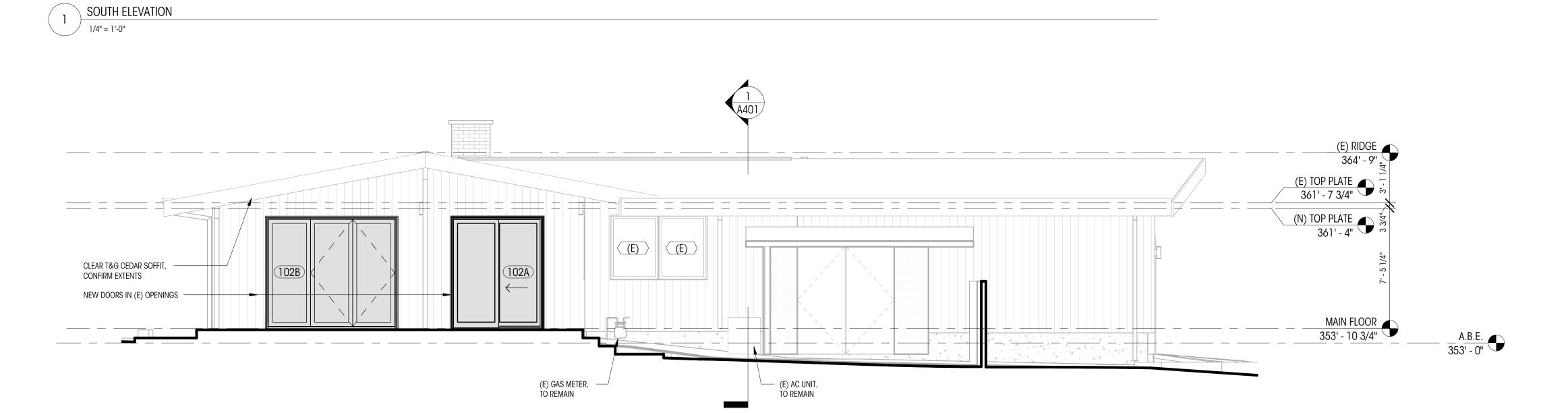
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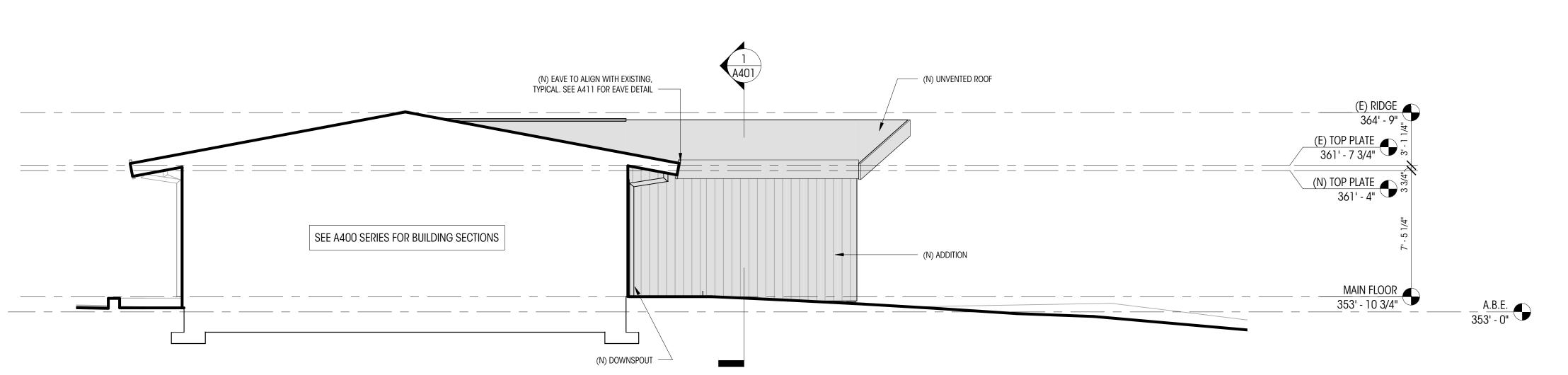
EXTERIOR ELEVATIONS (N & E)

1/4" = 1'-0"

A301







WEST ELEVATION - ADDITION

1/4" = 1'-0"

WEST ELEVATION

2 VVEST ELE 1/4" = 1'-0"

NOTES

ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF CONCRETE, U.N.O.
 ALL DIMENSIONS ASSOCIATED WITH (E) CONSTRUCTION ARE ASSUMED. CONTRACTOR TO VERIFY ALL DIMS IN FIELD AND CONTACT ARCHITECT WITH ANY DISCREPANCIES PRIOR TO CONSTRUCTION

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PERMIT SUBMITAL SET

DATE: 12.7.2023

SHEET SIZE: D (24X36)

REVISIONS

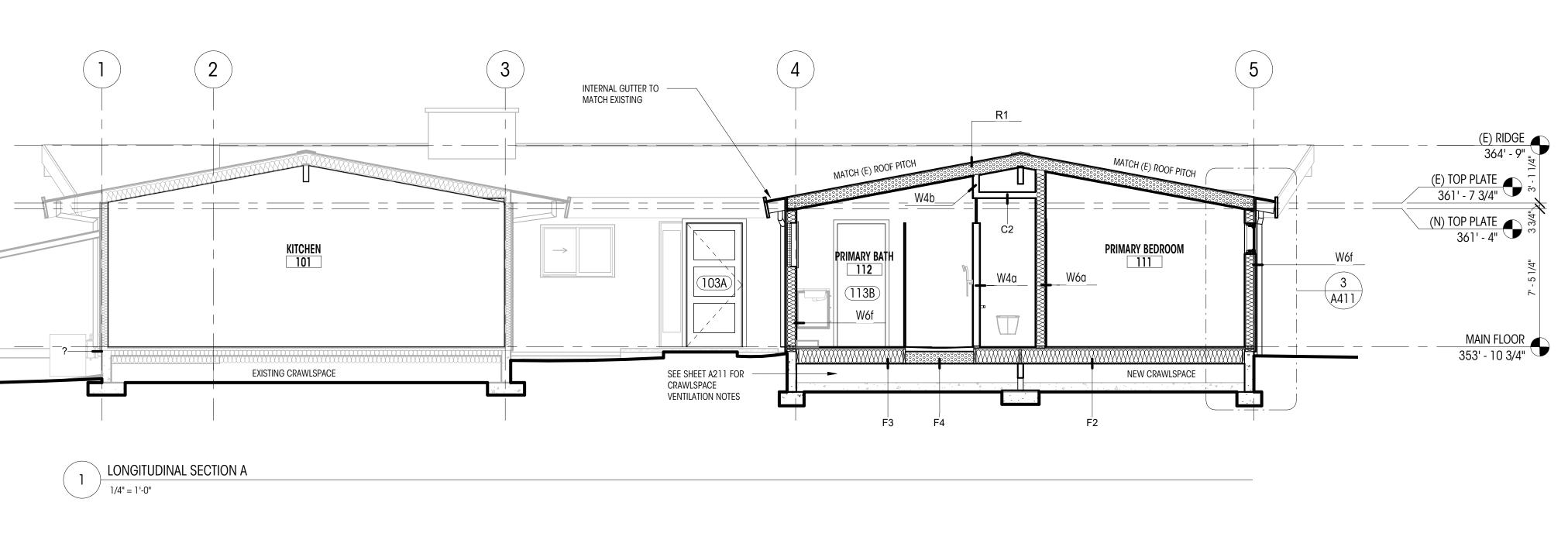
NO. DESCRIPTION DATE

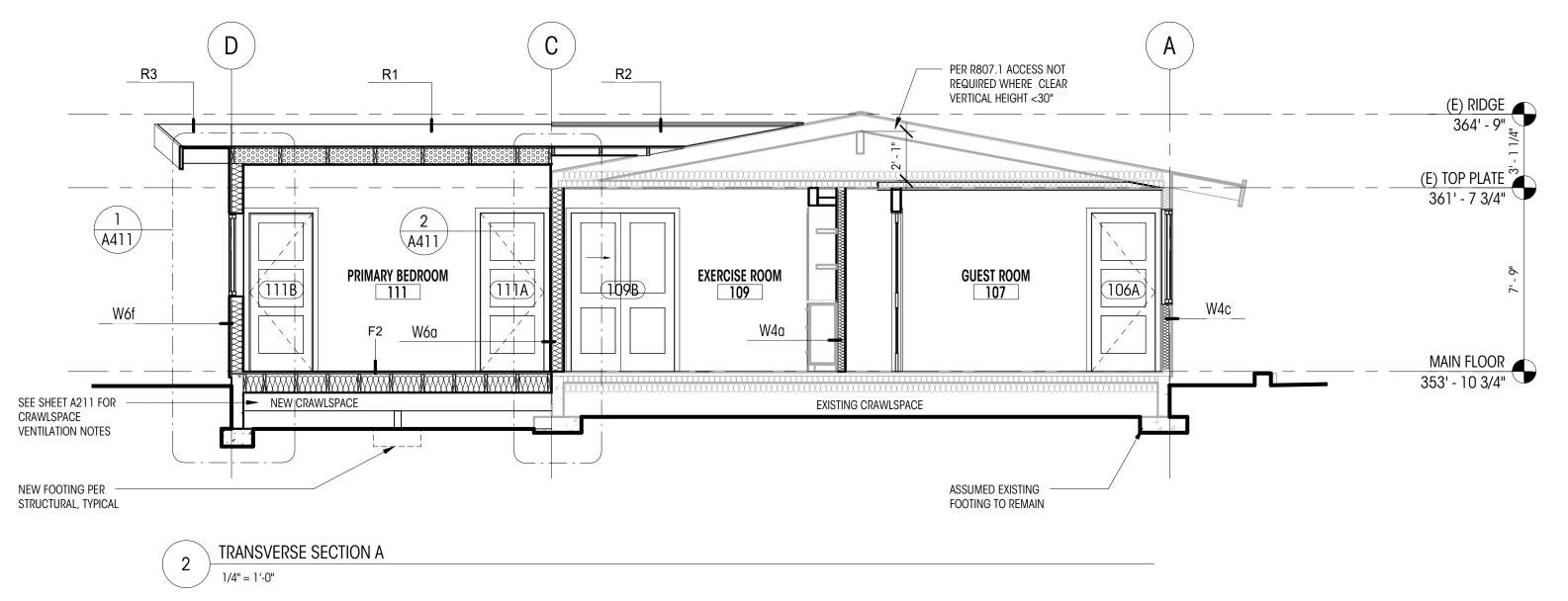
DRAWN BY: RL CHECKED BY: KM

EXTERIOR ELEVATIONS (S & W)

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

A302





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RESIDENCE

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NO. DESCRIPTION DATE

DRAWN BY: RL CHECKED BY: KM

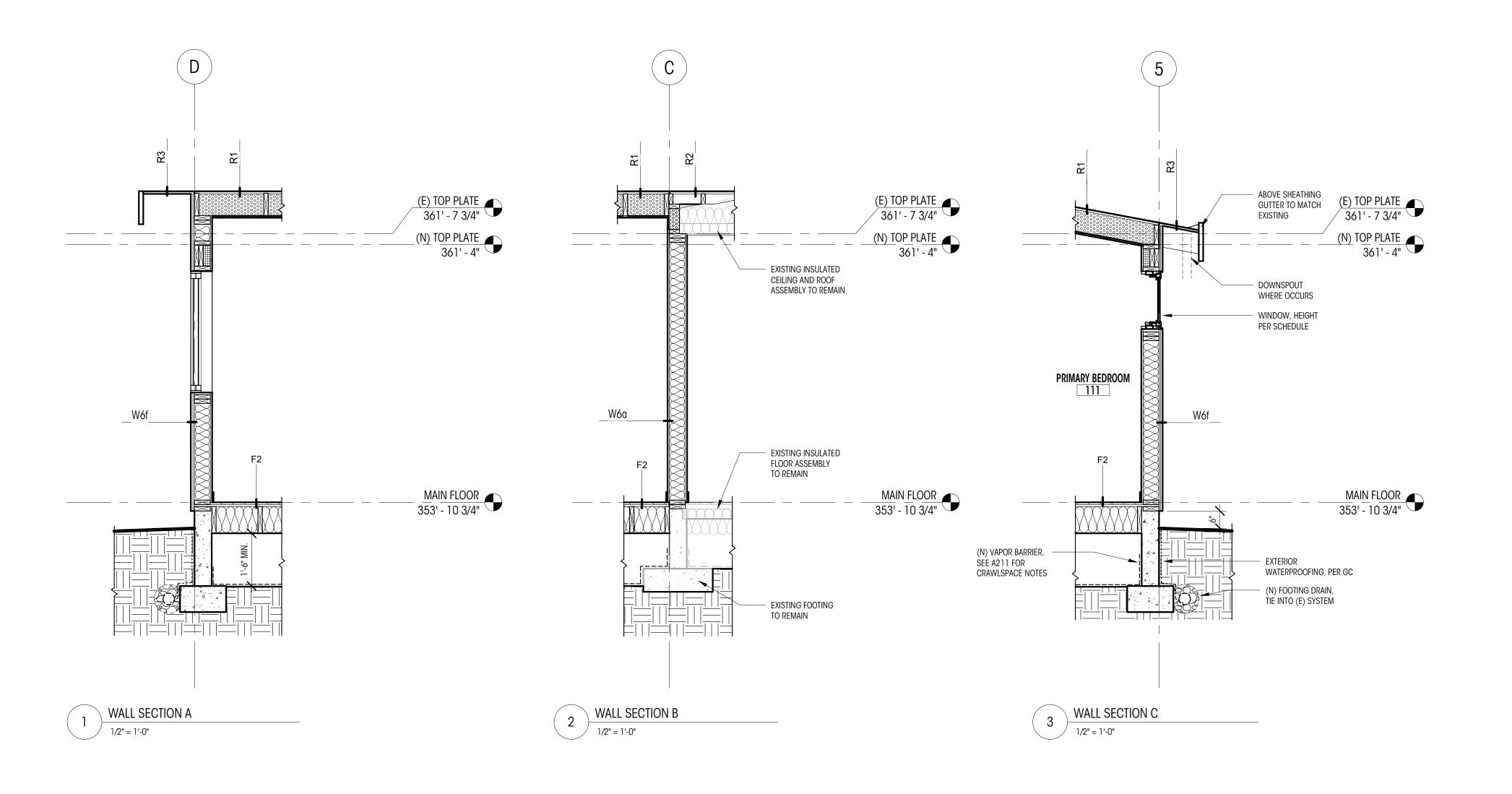
BUILDING SECTIONS

1/4" = 1'-0"

APPROVAL

NOTES

- 1. ALL DIMENSIONS AT WALLS TO FACE OF FRAMING, OR FACE OF CONCRETE,
- 2. ALL DIMENSIONS ASSOCIATED WITH (E) CONSTRUCTION ARE ASSUMED.
 CONTRACTOR TO VERIFY ALL DIMS IN FIELD AND CONTACT ARCHITECT WITH
 ANY DISCREPANCIES PRIOR TO CONSTRUCTION
- 3. FLOOR, WALL, AND CEILING ASSEMMBLIES ARE LISTED ON SHEET A701



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BUCHANAN 5601 90th Ave SE Mercer Island, WA 98040 PERMIT SUBMITAL SET

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WALL SECTIONS

1/2" = 1'-0"

A411

WIND	DOW SCH	<u>EDULE</u>												
PLAN ID	ROOM NAME	TYPE	WIDTH (ff)	HEIGHT (ff)	HEAD HT	UNIT AREA (sf)	U VALUE	UA	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	SAFETY GLAZING	EGRESS	NOTES
		1				. ,			1	1				1
105A	HALL BATH	A	2' - 10"	2' - 10"	6' - 10"	8 SF						•		1
107A	GUEST ROOM	A	6' - 0"	4' - 0"	6' - 10"	24 SF	0.3	7 SF					•	
107B	GUEST ROOM	В	5' - 11 1/8"	1' - 8"	6' - 10"	10 SF	0.3	3 SF						
109A	EXERCISE ROOM	A	6' - 0"	4' - 0"	6' - 8"	24 SF	0.3	7 SF					•	
111A	PRIMARY BEDROOM	В	5' - 11 1/8"	1' - 8"	6' - 8"	10 SF	0.3	3 SF						
111B	PRIMARY BEDROOM	A	5' - 0"	3' - 6"	6' - 8"	18 SF	0.3	5 SF					•	
112A	PRIMARY BATH	A	5' - 0"	3' - 6"	6' - 8"	18 SF	0.3	5 SF				•		1

GENERAL NOTES

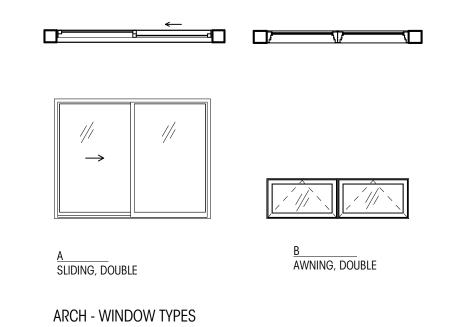
- ALL DIMENSIONS SHOWN ARE FINISHED DIMENSIONS, R.O. PER CONTRACTOR.
- CONTRACTOR TO VERIFY ALL SIZES AND DIMENSIONS IN FIELD WITH OWNER BEFORE ORDERING.
- ALL NEW WINDOWS TO BE NFRC CERTIFIED.
- REFER TO PLANS AND ELEVATIONS FOR TAGS, LOCATION, AND OPERATION.
 ALL ELEVATIONS ARE FROM THE EXTERIOR.
- ALL NEW VERTICAL FENESTRATION U-VALUE TO MEET ENERGY COMPLIANCE, SEE SHEET GOO1.
- PER IBC 8310.2 ALL EGRESS OPENINGS SHALL HAVE A NET CLEAR OPENING OF NOT LESS THAN 5.7 SF, NET CLEAR HEIGHT OPENING SHALL NOT BE LESS THAN 24" AND THE NET CLEAR WIDTH SHALL BE NOT LESS THAN 20".
- THE WINDOW SILL SHALL HAVE HEIGHT OF NOT MORE THAN 44" ABOVE THE FLOOR
- PER IRC R308.4.3, GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL NEEDS TO BE TEMPERED GLASS /
- SAFETY GLAZING IN THE FOLLOWING HAZARDOUS LOCATIONS:

 1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS LARGER THAN 9 SF,
- 2. THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 18" ABOVE THE FLOOR,
- 3. THE TOP EDGE OF THE GLAZING IS MORE THAN 36 " AVOVE THE FLOOR, AND
- 4. ONE OR MORE WALKING SURFACES ARE WITHING 36", MEASURE HORIZONTALLY IN A STRAIGHT LINE OF
- THE GLAZING.

SPECIFIC NOTES

1. FROSTED / OPAQUE GLAZING

1/4" = 1'-0"

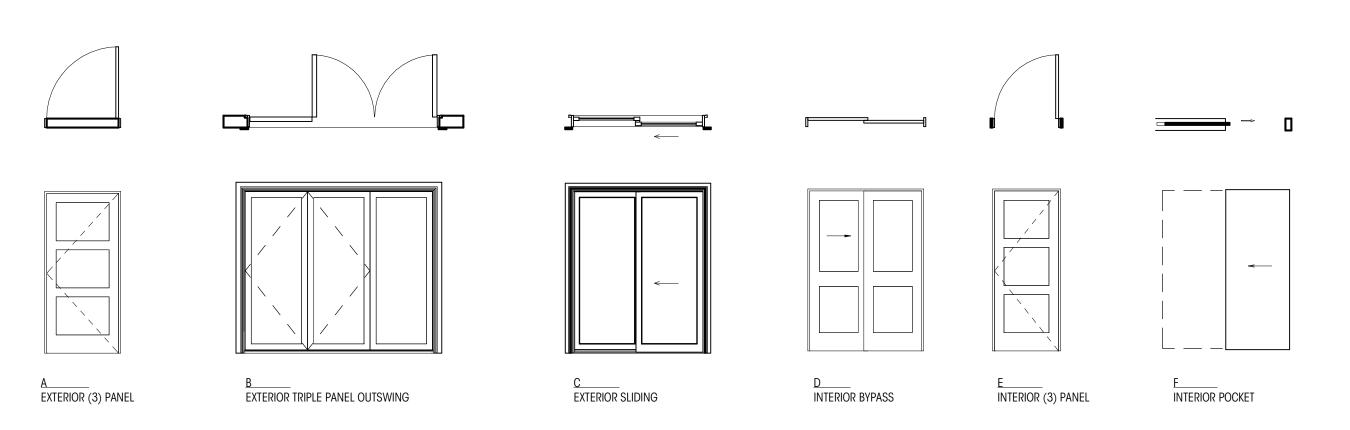


D00	R SCHEE	DULE												
PLAN ID	ROOM NAME	TYPE	WIDTH (ff.)	HEIGHT (ff.)	AREA (sf.)	U VALUE	UA	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	EGRESS	CLOSER	RATED	NOTES
101A	GARAGE	Е	2' - 8"	6' - 8"	18 SF							•	•	
102A	LIVING DINING	С	5' - 6 5/8"	6' - 10"	38 SF	0.3	11 SF							
102B	LIVING DINING	В	8' - 0"	6' - 10"	55 SF	0.3	16 SF							
103A	ENTRY	A	3' - 0"	6' - 8"	20 SF	0	0 SF				•			WSEC R402.3.4 OPAQUE DOOR EXEMPTION FOR ENTRY DOOR
104A	OFFICE	E	2' - 6"	6' - 8"	17 SF									
105A	HALL BATH	E	2' - 8"	6' - 8"	18 SF									
106A	BATH	Е	2' - 8"	6' - 8"	18 SF									
106B	BATH	SHOWER GLASS	2' - 9 7/8"	6' - 8"	19 SF									
107A	GUEST ROOM	Е	2' - 6"	6' - 8"	17 SF									
107B	GUEST ROOM	D	4' - 10"	6' - 8"	32 SF									
108A	HALLWAY	E	1' - 10"	6' - 8"	12 SF									
108B	HALLWAY	D	4' - 4"	6' - 8"	29 SF									
109A	EXERCISE ROOM	Е	2' - 6"	6' - 8"	17 SF									
109B	EXERCISE ROOM	D	4' - 4"	6' - 8"	29 SF									
110A	LAUNDRY	Е	2' - 8"	6' - 8"	18 SF									
111A	PRIMARY BEDROOM	E	2' - 8"	6' - 8"	18 SF									
111B	PRIMARY BEDROOM	E	2' - 8"	6' - 8"	18 SF									
112A	PRIMARY BATH	SHOWER GLASS	2' - 6"	6' - 8"	17 SF									
112B	PRIMARY BATH	SHOWER GLASS	2' - 6"	6' - 8"	17 SF									
113A	PRIMARY CLOSET	F	2' - 8"	6' - 8"	18 SF									
113B	PRIMARY CLOSET	F	2' - 8"	6' - 8"	18 SF									

GENERAL NOTES

- ALL DIMENSIONS SHOWN ARE FINISHED DIMENSIONS, R.O. PER CONTRACTOR.
 CONTRACTOR TO VERIFY ALL SIZES AND DIMENSIONS IN FIELD WITH OWNER BEFORE ORDERING.
- CONTRACTOR TO VERIFY ALL SIZES AND D
 ALL NEW DOORS TO BE NERC CERTIFIED
- ALL NEW VERTICAL FENESTRATION U-VALUE TO MEET ENERGY COMPLIANCE, SEE SHEET GOO1.
- ALL DOORS TO BE FLAT 3 PANEL, UNO
- ALL GLAZED DOORS TO RECEIVE TEMPERED / SAFTEY GLAZING

SPECIFIC NOTES



ARCH - DOOR TYPES

1/4" = 1'-0"

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O. DESCRIPTION	N DATE

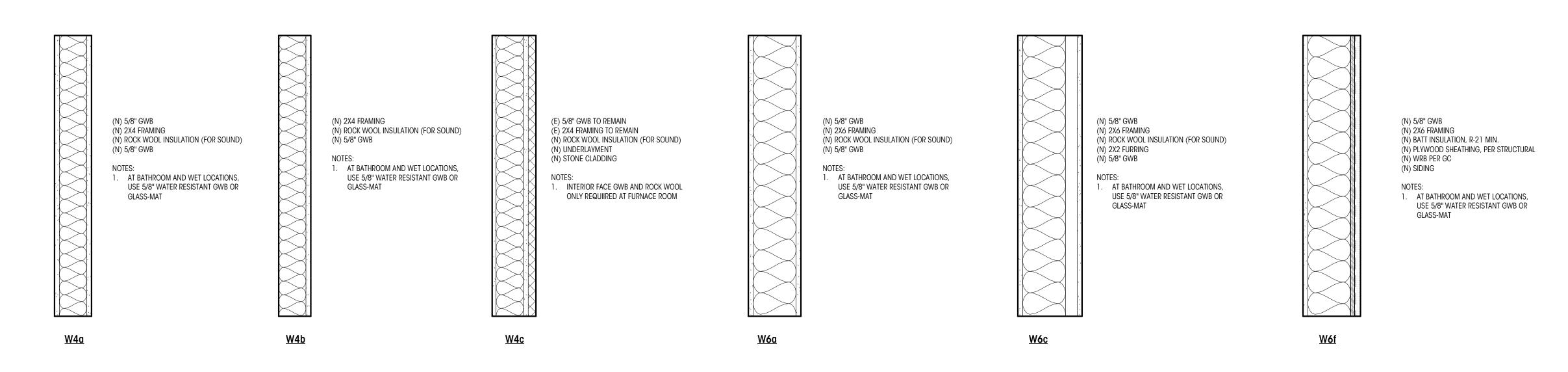
DRAWN BY: RL
CHECKED BY: KM

DOOR / WINDOW
SCHEDULES, LEGEND, &
NOTES

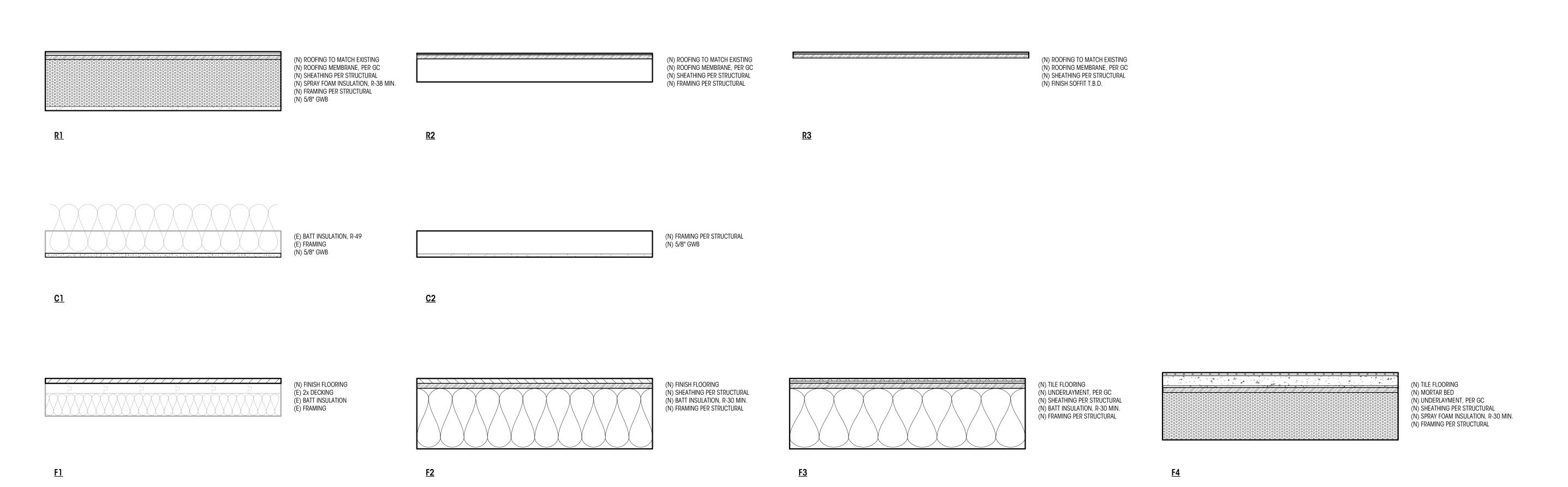
CALE: 1/4" = 1'-0"

A601

VERTICAL ASSEMBLIES



HORIZONTAL ASSEMBLIES



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ASSEMBLY DETAILS

1 1/2" = 1'-0"

APPROVAL STAMP

CRITERIA

- 1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, THE INTERNATIONAL BUILDING CODE (2018 EDITION).
- 2. DESIGN LOADING CRITERIA:

FLOOR LIVE LOAD (RESIDENTIAL)	
WIND: BASIC WIND SPEED (3-SECOND GUST)	1.0 B
EARTHQUAKE: LAT. / LONG	1.0 I
MAPPED SPECTRAL RESPONSE (Ss/S1)	. 1.19g/0.87g OD SHEAR WALLS 7.14k 0.149 D
RESPONSE MODIFICATION FACTOR (R)	6.5

REFERENCE: USGS NATIONAL SEISMIC HAZARD MAPPING PROJECT, 2008 DATA

ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CON-DITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CON-STRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST VERIFIED. CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO COMMENCING EXCAVATION. THE CONTRACTOR SHALL BRING ALL CONFLICTS AND DISCREPANICES TO THE ATTENTION OF THE ARCHITECT AND STRUCTURAL ENGINEER.
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES. EXISTING REINFORCING SHALL BE RETAINED UNDAMAGED WHERE NOTED ON THE PLANS. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR SYSTEMS TO 40 PSF. ALL NEW OPENINGS THROUGH EXISTING CONCRETE OR MASONRY WALLS, SLABS AND BEAMS SHALL BE ACCOMPLISHED BY SAW CUTTING WHEREVER POSSIBLE.
- CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS. TECHNIQUES. SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CON-TRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT. OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES OF THE OWNER. CON-CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.
- SPECIAL INSPECTION OF EPOXY GROUTED INSTALLATIONS SHALL BE PROVIDED IN ACCORDANCE WITH SECTIONS 109 AND 1704 OF THE INTERNATIONAL BUILDING CODE AND THE PROJECT SPECIFICATIONS BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT, AND RETAINED BY THE BUILDING OWNER. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION AND TEST RESULTS.

GEOTECHNICAL

9. FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED SOILS ENGINEER. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM. UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS NOTED OTHERWISE, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE. BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING. GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

ALLOWABLE SOIL PRESSURE 2,000 PSF

CONCRETE

10. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORD-ANCE WITH IBC SECTION 1905 AND ACI 301. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF F'C = 2,500 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS.

THE MINIMUM AMOUNTS OF CEMENT AND MAXIMUM AMOUNTS OF WATER MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CON-CRETE. THE CONCRETE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT. FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER CE-MENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH IBC 1905. 1. 3. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.

ALL CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, AND C618. TOTAL AIR CONTENT SHALL BE IN ACCORDANCE WITH TABLE 19. 3. 2. 1 OF THE ACI 318.

- 11. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 40. FY = 40.000 PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.
- 12. REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORD-ANCE WITH ACI 318. LAP ALL CONTINUOUS REINFORCEMENT 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTER-SECTIONS. LAP CORNER BARS 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.
- 13. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS: A. FOOTINGS AND OTHER UNFORMED SURFACES, EARTH FACE . . . 3"
- 14. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (3000 PSI MINIMUM).

JOISTS: (2X MEMBERS)

(6X6 AND LARGER)

15. FRAMING LUMBER SHALL BE KILN DRIED OR MC-15, AND GRADED AND MARKED IN CON-FORMANCE WITH WCLIB STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 17, LATEST EDITION. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

HEM-FIR NO. 2

MINIMUM BASE VALUE, FC = 1000 PSI

(3X & 4X MEMBERS)	MINIMUM BASE VALUE, DOUGLAS FIR NO. 1 MINIMUM BASE VALUE,	
STRUCTURAL LIGHT FRAMING: (INCL. 3X AND 4X POSTS)	DOUGLAS FIR NO. 2 MINIMUM BASE VALUE,	FB = 900 PSI
BEAMS AND STRINGERS: (INCL. 6X AND LARGER)	DOUGLAS FIR NO. 1 MINIMUM BASE VALUE,	FB = 1350 PSI
POSTS AND TIMBERS:	DOUGLAS FIR NO. 1	

STUDS. PLATES & MISC. FRAMING: DOUGLAS FIR OR HEM-FIR STANDARD GRADE

2X6 STUDS AND PLATES: HEM-FIR NO.3/STUD GRADE

2X AND 3X T & G DECKING HEM-FIR COMMERICAL DEX, MINIMUM BASE VALUE, FB = 1350 PSI

16. ENGINEERED LUMBER MEMBERS SHALL BE MANUFACTURED UNDER A PROCESS BY THE NATIONAL RESEARCH BOARD. EACH PIECE SHALL BEAR A STAMP OR STAMPS NOTING THE NAME AND PLANT NUMBER OF THE MANUFACTURER, THE GRADE, THE NATIONAL RESEARCH BOARD NUMBER, AND THE QUALITY CONTROL AGENCY. ALL LUMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH THE APPROPRIATE NER REPORT AND GLUED WITH A WATERPROOF ADHESIVE MEETING THE REQUIREMENTS OF ASTM D2559 WITH ALL GRAIN PARALLEL WITH THE LENGTH OF THE MEMBER.

LSL LVL

DESIGN SHOWN ON PLANS IS BASED ON LUMBER MANUFACTURED BY THE WEYERHAUSER CORPORATION. ALTERNATE MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE JOIST HANGERS AND OTHER HARDWARE MAY BE SUBSTITUTED FOR ITEMS SHOWN PROVIDED THEY HAVE ICC APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. ALL JOIST HANGERS AND OTHER HARDWARE SHALL BE COMPATIBLE IN SIZE WITH MEMBERS PROVIDED.

ALL PROPOSED HOLE SIZES AND LOCATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL TWO WORKING DAYS PRIOR TO DRILLING HOLES.

- 17. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH APA STANDARDS. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND SPAN RATING MAY BE USED IN LIEU OF PLYWOOD.
- A. ROOF SHEATHING SHALL BE 1/2" (NOM.) WITH SPAN RATING 24/0.
- B. FLOOR SHEATHING SHALL BE 3/4" (NOM.) WITH SPAN RATING 40/20. C. WALL SHEATHING SHALL BE 1/2" (NOM.) WITH SPAN RATING 24/0.
- REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING.
- 18. ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE OR (2) LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER SHALL BE PROVIDED BETWEEN UNTREATED WOOD AND CONCRETE OR MASONRY. ALL WOOD EXPOSED TO WEATHER WITHOUT THE ADEQUATE PROTECTION OF A ROOF OR EAVE SHALL BE AN APPROVED WOOD OF NATURAL RESISTANCE TO DECAY OR PRESSURE TREATED. SUCH MEMBERS INCLUDE HORIZONTAL MEMBERS SUCH AS GIRDERS, JOISTS, AND DECKING: OR VERTICAL MEMBERS SUCH AS POSTS, POLES, AND COLUMNS.
- TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR MOST RECENT CATALOG. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS. PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. UN-LESS NOTED OTHERWISE, ALL NAILS SHALL BE COMMON. ALL SHIMS SHALL BE SEA-SONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED. HANGERS IN DIRECT CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE EITHER STAINLESS STEEL (SST300), POST HOT-DIPPED GALVANIZED(HDG) OR GALVANIZED WITH A MINI-MUM OF 1.850Z ZINC PER SQUARE INCH (ZMAX). UNLESS NOTED OTHERWISE, ALL LUMBER JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST HANGERS, AND ALL TJI JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "ITT" OR "IUT" SERIES JOIST HANGERS.
- 20. NAILS NAIL SIZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

SIZE	LENGTH	DIAMETER
6D	2"	0. 113"
8D	2-1/2"	0. 131"
10D	3"	0. 148"
12D	3-1/4"	0. 148"
16D	3-1/2"	0. 162 "

IF CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS, THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE STRUCTURAL ENGINEER (PRIOR TO CONSTRUCTION) FOR REVIEW AND APPROVAL. NAILS SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO COUNTERSINKING PERMITTED

- 21. WOOD FRAMING NOTES—THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN:
 - A. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304. 10. 1 OF THE INTERNATIONAL BUILDING CODE. UNLESS NOTED OTHERWISE, ALL NAILS SHALL BE COMMON. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.
 - B. WALL FRAMING: ALL STUD WALLS SHOWN AND NOT OTHERWISE NOTED SHALL BE 2X4 STUDS @ 16" O.C. AT INTERIOR WALLS AND 2X6 @ 16" O.C. AT EXTERIOR WALLS. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS. TWO 2X8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COL-UMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. WALLS SHALL HAVE A SINGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16D NAILS, AND TOENAIL OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16D NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16D AT 12" O.C. AND LAP MINIMUM 4'-0" AT JOINTS AND PROVIDE SIX 16D NAILS AT 4" O.C. EACH SIDE OF JOINT. ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 16D NAILS AT 12" O.C. STAGGERED OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS (WITH 7" MINIMUM EMBEDMENT)@ 4'-0" O.C. UNLESS INDICATED OTHERWISE. INDIVI-DUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH 16D @ 12" O. C. STAGGERED. REFER TO THE PLANS AND SHEAR WALL SCHEDULE FOR REQUIRED SHEATHING AND NAILING. WHEN NOT OTHERWISE NOTED, PROVIDE GYPSUM WALLBOARD ON INTERIOR SURFACES NAILED TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING WITH NAILS AT 7" O.C. USE 5D COOLER NAILS FOR 1/2" GWB AND 6D COOLER NAILS FOR 5/8" GWB. WHEN NOT OTHERWISE NOTED, PROVIDE 1/2" (NOM.) APA RATED SHEATHING (SPAN RATING 24/0) ON EXTERIOR SURFACES NAILED AT ALL PANEL EDGES (BLOCK UNSUPPORTED EDGES). TOP AND BOTTOM PLATES WITH 8D @ 6" O.C. AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH 8D @ 12" O.C. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS.

C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. TOENAIL JOISTS TO SUPPORTS WITH TWO 16D NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH METAL JOIST HANGERS IN ACCORDANCE WITH TIMBER CONNECTOR NOTE. NAIL ALL MULTI-JOIST BEAMS TO-GETHER WITH 16D @ 12" O.C. STAGGERED. UNLESS OTHERWISE NOTED ON THE PLANS. ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH STRENGTH AXIS PERPENDICULAR TO SUPPORTS AND NAILED WITH 8D NAILS @ 6" O.C. TO FRAMED PANEL EDGES AND OVER STUD WALLS AS SHOWN ON PLANS AND @ 12" O.C. TO INTERMEDIATE SUPPORTS. PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF ALL ROOF AND FLOOR SHEATHING. TOENAIL BLOCKING TO SUPPORTS WITH 16D @ 12" O.C. UNLESS OTHERWISE NOTED. AT BLOCKED FLOOR AND ROOF DIAPHRAGMS PROVIDE FLAT 2X BLOCKING AT ALL UNFRAMED PLYWOOD PANEL EDGES AND NAIL WITH EDGE NAILING SPECIFIED.

HV

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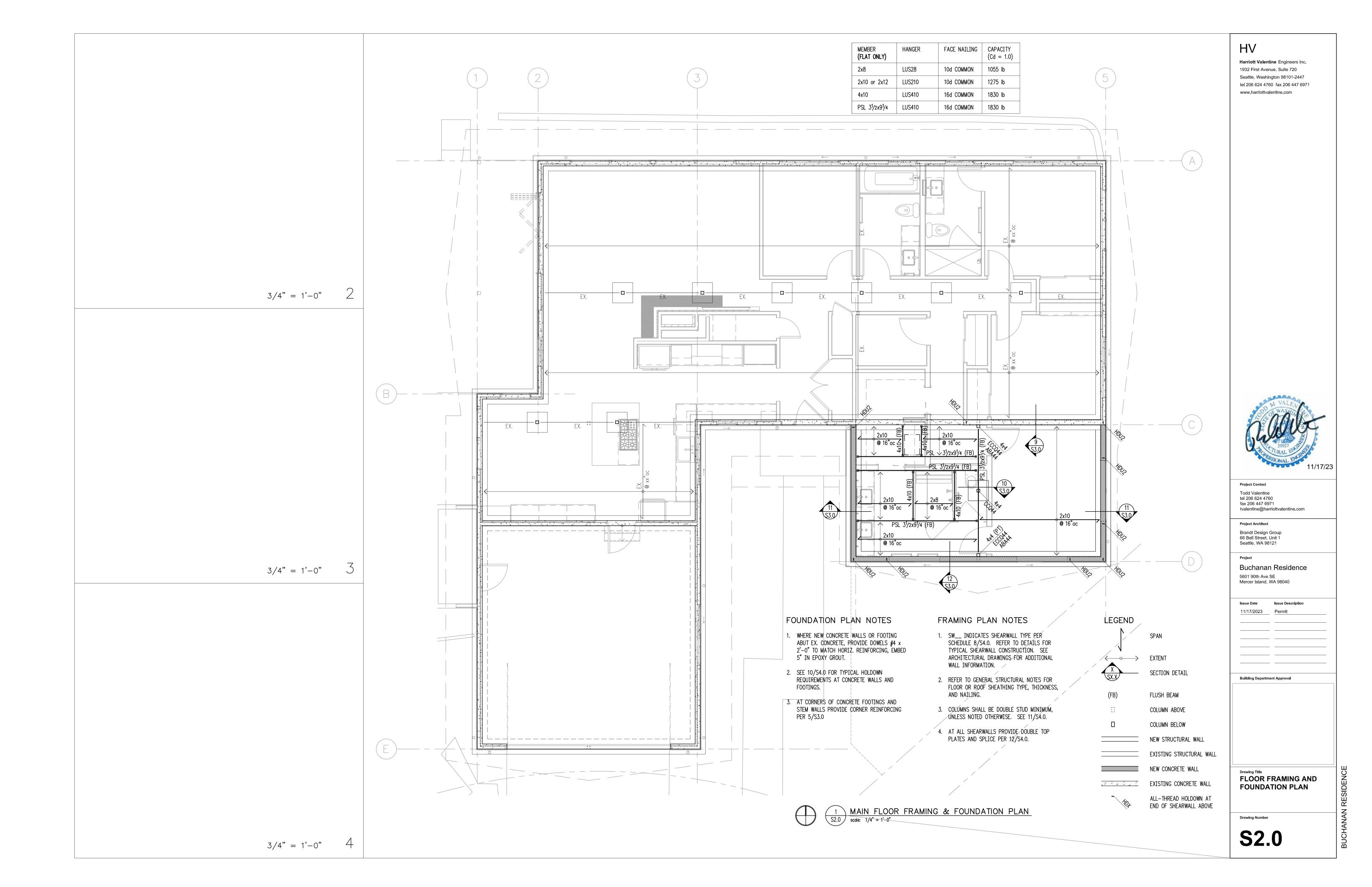
Issue Date	Issue Description
11/17/2023	Permit

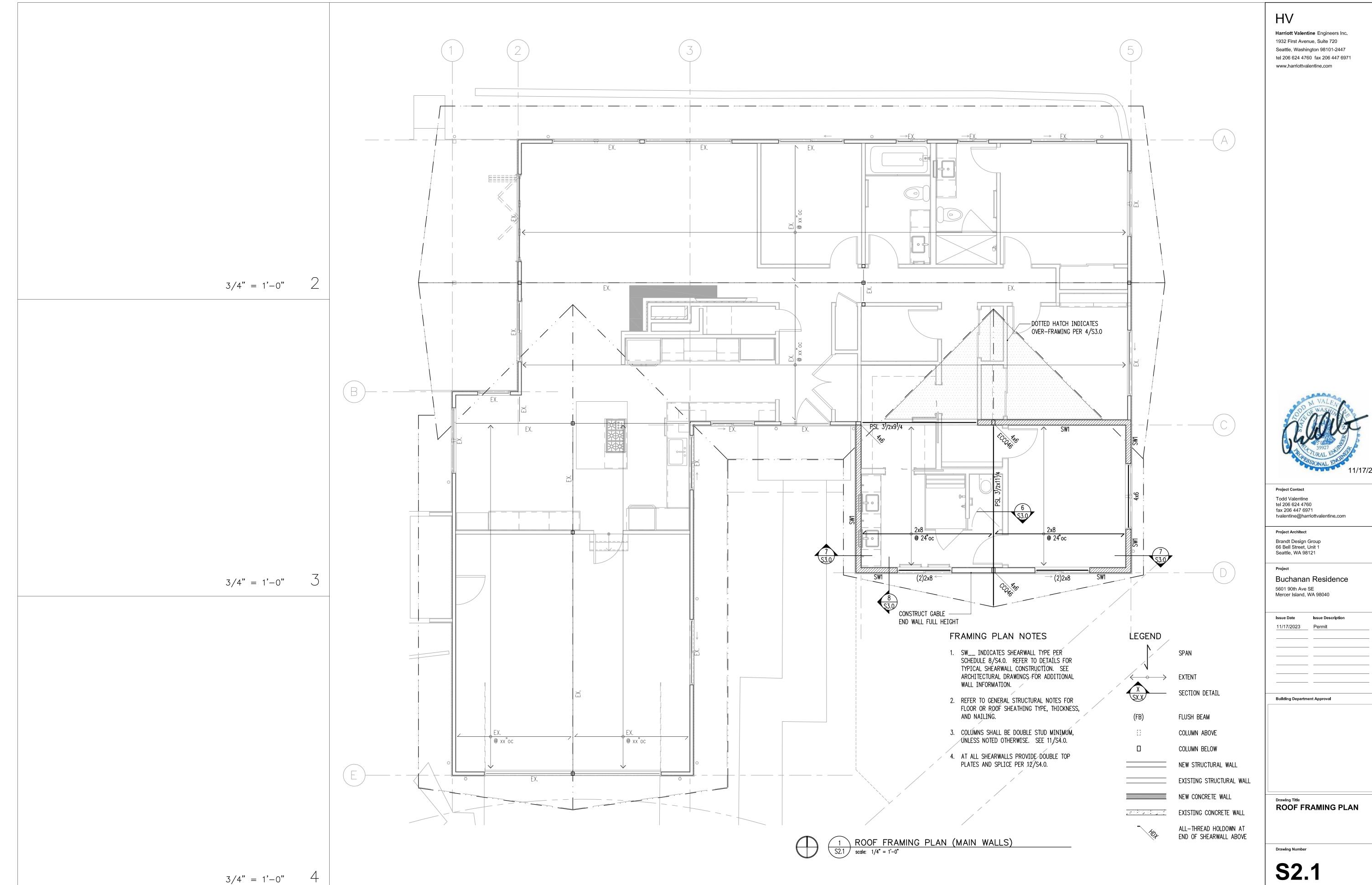
Building Department Approval

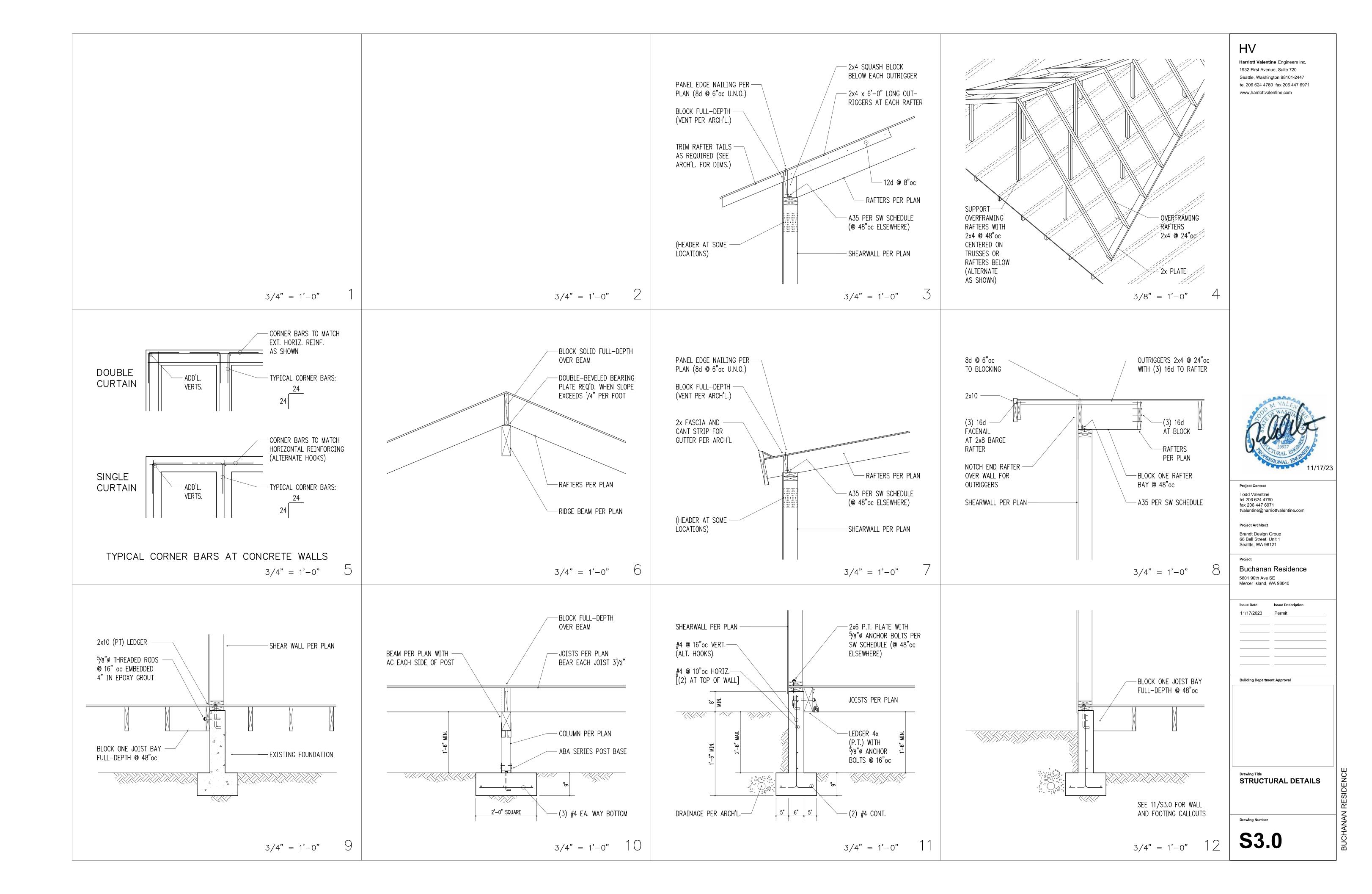
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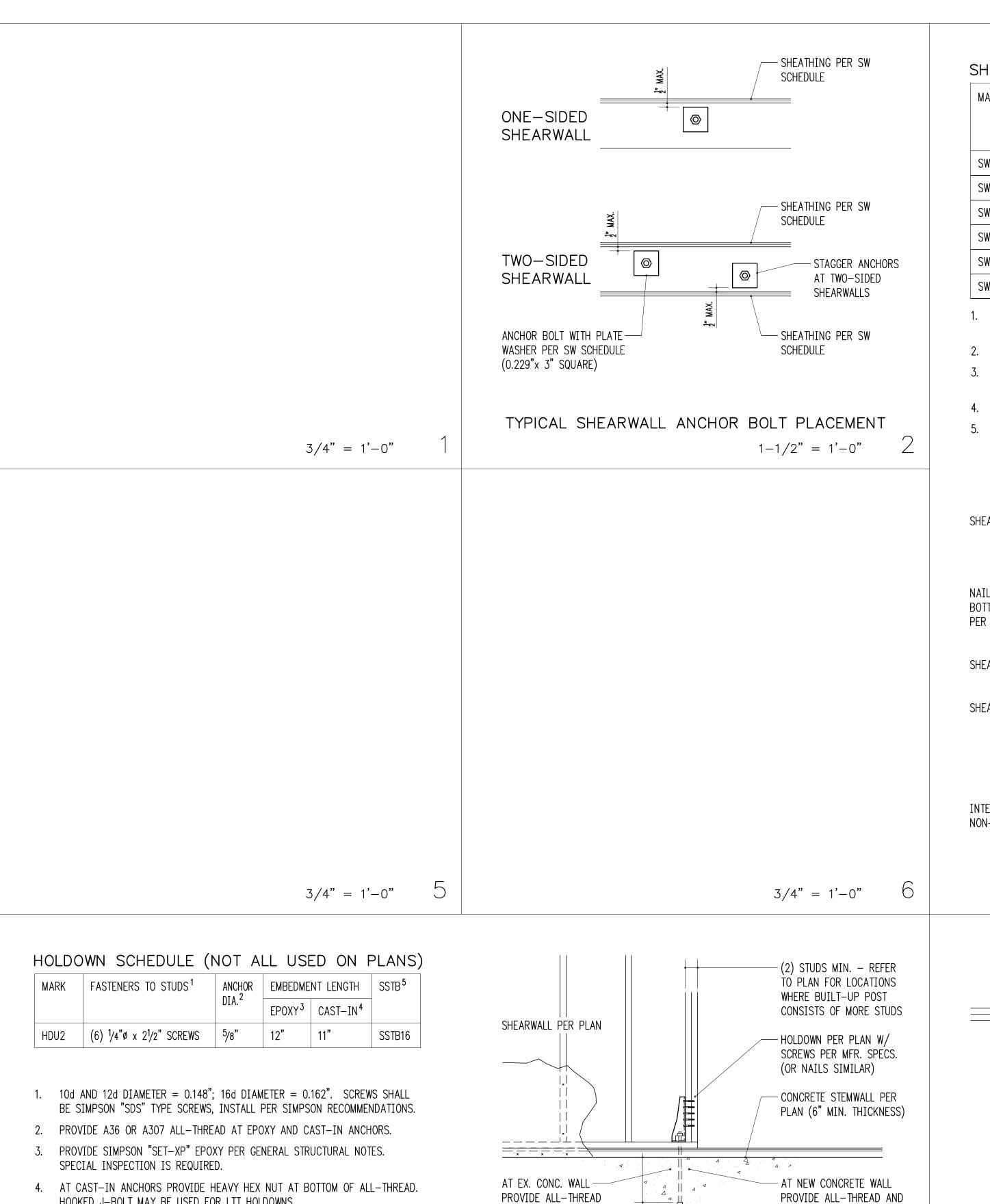
GENERAL STRUCTURAL NOTES

S1.0









AND EMBED IN EPOXY

GROUT PER SCHEDULE

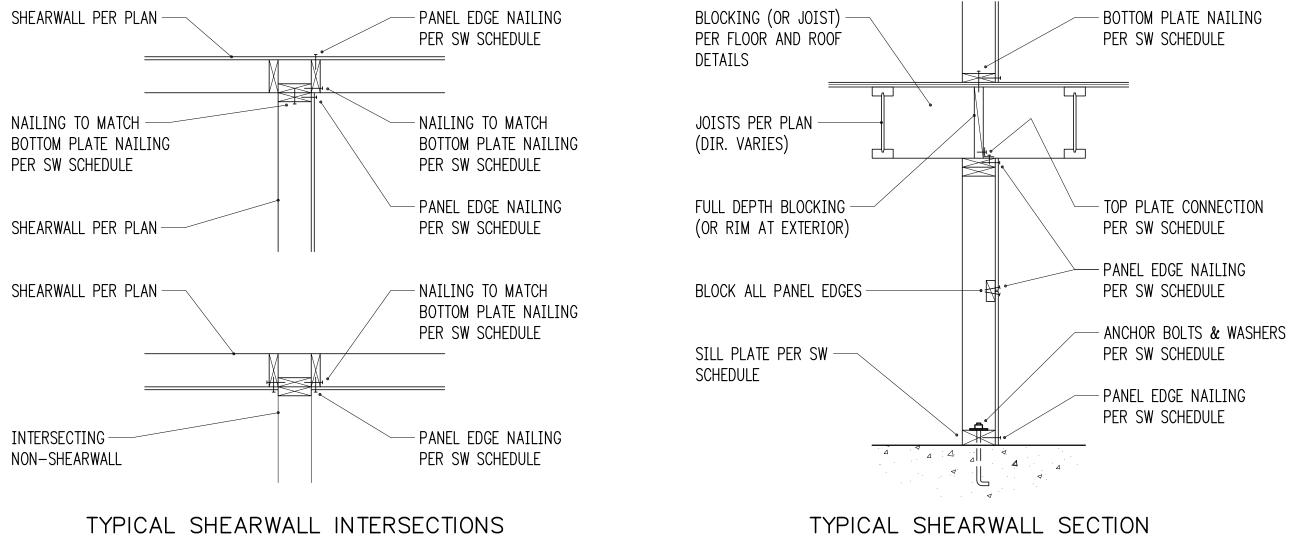
HOOKED J-BOLT MAY BE USED FOR LTT HOLDOWNS.

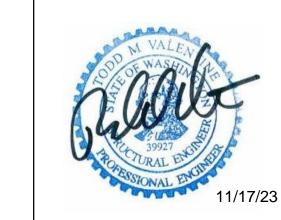
5. AT 3x SILL PLATES, PROVIDE LONGER SSTBL MODELS.

SHEARWALL SCHEDULE (NOT ALL USED ON PLANS)

MARK	SHEATHING ¹	STUDS AT	PANEL EDGE	RIM JOIST OR BLOCKING TO TOP PLATE		BOTTOM PLATE ATTACHMENT			
		ABUTTING PANEL EDGES ²	NAILING ^{3,4}	SOLID RIM	TJI RIM	BOTTOM PLATE TO RIM JOIST BELOW 4	ANCHOR BOLT TO CONCRETE 5	SILL PLATE AT FOUND.	
SW1	15/32" CDX PLYWOOD	2x	8d @ 6"oc	A35 @ 24"oc	16d @ 6"oc	16d @ 6"oc	⁵ /8"ø @ 48"oc	2x	
SW2	15/32" CDX PLYWOOD	2x	8d @ 4"oc	A35 @ 15"oc	16d @ 4"oc	16d @ 4"oc	⁵ /8"ø @ 32"oc	2x	
SW3	15/32" CDX PLYWOOD	3x	8d @ 3"oc	A35 @ 12"oc	N/A - USE SOLID RIM	16d @ 3"oc	⁵ /8"ø @ 16"oc	2x	
SW4	15/32" CDX PLYWOOD	3x	8d @ 2"oc	A35 @ 9"oc	N/A - USE SOLID RIM	16d @ 2"oc	⁵ /8"ø @ 12"oc	2x	
SW5	15/32" CDX PLYWOOD BOTH SIDES	3x	8d @ 3"oc	A35 @ 6"oc	N/A - USE SOLID RIM	(2) ROWS 16d @ 3"oc	⁵ /8"ø @ 12"oc	3x	
SW6	15/32" CDX PLYWOOD BOTH SIDES	3x	8d @ 2"oc	A35 @ 4½"oc	N/A - USE SOLID RIM	(2) ROWS 16d @ 2"oc	⁵ /8"ø @ 12"oc	3x	

- 1. WALL SHEATHING SHALL CONSIST OF APA RATED PLYWOOD WITH SPAN RATING 24/0. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF PANELS. 7/16" APA RATED SHEATHING (OSB) MAY BE USED IN PLACE OF 15/32" CDX.
- 2. STUDS AT ABUTTING PANEL EDGES MAY CONSIST OF (2)2x STUDS IN PLACE OF 3x STUDS NAIL (2)2x STUDS TOGETHER WITH BOTTOM PLATE ATTACHMENT NAILING.
- 3. BLOCK ALL PANEL EDGES W/ 2x4 FLAT, ATTACH W/ PANEL EDGE NAILING. TWO STUDS MINIMUM ARE REQUIRED AT EACH END OF ALL SHEARWALLS. END STUDS SHALL RECEIVE PANEL EDGE NAILING. INTERMEDIATE STUDS SHALL BE 2x STUDS. NAIL SHEATHING TO INTERMEDIATE FRAMING MEMBERS WITH 8d @ 12"oc.
- 4. 8d NAILS SHALL BE 0.131" DIAMETER x $2^{1}/2$ " (COMMON). 16d NAILS SHALL BE 0.135" DIAMETER x $3^{1}/2$ " (BOX).
- 5. ANCHORS TO CONCRETE SHALL CONSIST OF CAST-IN-PLACE ANCHOR BOLTS, EXPANSION BOLTS, EPOXY GROUTED ALL-THREADS, OR TITEN HD HEAVY DUTY SCREW ANCHORS. CAST-IN-PLACE ANCHOR BOLTS HAVE A 7" EMBED AND SHALL BE J-BOLTS OR SHALL HAVE A HEX NUT AT THE BOTTOM END. EXPANSION BOLTS SHALL HAVE 5" EMBED AND SHALL NOT BE USED AT STEM WALL LOCATIONS WITH EDGE DISTANCE LESS THAN 5" (INSTEAD, USE EPOXY GROUTED ALL-THREADS OR TITEN HD ANCHORS). EPOXY GROUTED ANCHORS SHALL HAVE 5" EMBED AND 2½" MIN. EDGE DISTANCE. TITEN HD ANCHORS SHALL HAVE 3½" EMBED AND 1¾" MIN. EDGE DISTANCE. AT ALL ANCHOR BOLTS, PROVIDE STEEL PLATE WASHERS THAT ARE A MINIMUM OF 0.229" (3 GAUGE) x 3"x 3" (SIMPSON BP5/8-3 OR SIMILAR). PLACE BOLTS PER ANCHOR BOLT PLACEMENT DETAIL.





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3/4" = 1'-0"

TYPICAL TOP PLATE SPLICE CONSTRUCTION

6'-0" MIN. BETWEEN SPLICES

- CENTER SPLICE OVER STUD

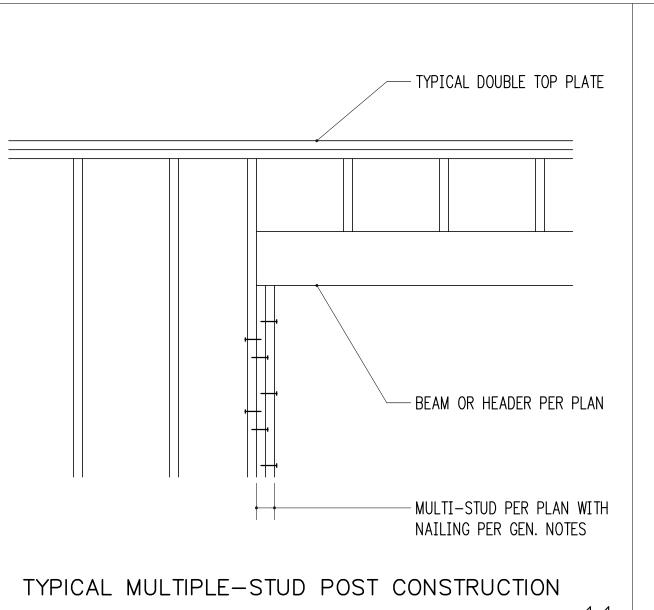
3/4" = 1'-0"

— (8) 16d @ 4"oc STAGGERED EACH SIDE OF SPLICE (16d @ 12"oc ELSEWHERE)	11/17/2023	Issue Description Permit	_
			_
			_
			_

Building Department Approval

STRUCTURAL DETAILS

S4.0



3/4" = 1'-0" 11

HEX NUT OR HEADED BOLT

AND EMBED PER SCHEDULE

(HOOKED J-BOLT MAY BE

USED FOR LTT HOLDOWNS)

3/4" = 1'-0" 1 0

PROVIDE 5" END

AND 1³/4" EDGE

DISTANCE FOR

ANCHORS (MIN.)

TYPICAL HOLDOWN AT CONCRETE