LBH RESIDENCE 7450 North Mercer Way Mercer Island, Washington

EXTERIOR PERMIT SET April 1, 2019

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STILLWELL HANSON ARCHITECTS 46 ETRURIA STREET, SUITE 200 SEATTLE, WASHINGTON 98109 206 297 1504 Phone stillwellhanson.com

Survey Page 1 of 2

Survey Page 2 of 2

GENERAL NOTES

- GN-1 GENERAL NOTE All work to comply with the following current codes:
- 2015 INTERNATIONAL RESIDENTIAL CODE (IRC) - 2015 SEATTLE RESIDENTIAL CODE (SRC)
- 2015 SEATTLE MECHANICAL CODE (SMC)
- 2015 SEATTLE PLUMBING CODE
- 2017 SEATTLE ELECTRICAL CODE - 2015 SEATTLE FIRE CODE (SFC)
- 2015 WASHINGTON STATE ENERGY CODE
- 2015 SEATTLE FUEL GAS CODE (Natural Gas)
- All Seattle Amendments to the above codes - and all other applicable local codes

GN-2 GENERAL NOTE All applicable codes, ordinances, and minimal structural requirements take precedence over drawings, notes, and specifications.

GN-3 GENERAL NOTE Dimensions are to face of stud unless noted otherwise.

GN-4 GENERAL NOTE Plumbing work and Electrical work is "Design/Build" and executed under separate permit.

EARTH WORK

EW-1 VERIFY SOIL CONDITIONS

Geotechnical Engineer shall field verify conformance of actual soil conditions with design assumptions.

EW-2 GEOTECHNICAL ENGINEER SITE VISITS

General contractor is responsible for scheduling site visits by Geotechnical Engineer.

EW-3 BEARING DEPTH Extend excavation down to undisturbed soil of the specified strength with a minimum depth of 18" below finish grade.

EW-4 COMPACTED FILL Compacted fill to be well graded and granular with no more than 5% passing a 200 sieve. Place in 8: loose lifts and compact to 95% modified AASHO density at optimum moisture content.

EW-5 BACKFILL Backfill behind all retaining walls with free draining granular fill and provide for subsurface drainage. (Subject to field review by Geotechnical Engineer)

MOISTURE PROTECTION

MP-1 (2015 IRC R317.1)

Provide a minimum clearance of 12" between untreated beams & girders and earth.

Provide a minimum clearance of 18" between untreated joists and earth.

Provide a minimum of 8" clear between untreated framing members in contact concrete or masonry exterior walls and earth.

All wood in contact with concrete or masonry exterior walls to be pressure treated.

All sills and sleepers on concrete slab that is in direct contact with the earth to be pressure treated.

All wood in direct contact with the ground or embedded in concrete shall be pressure treated.

Wood siding, sheathing and framing shall have a clearance of 6" to earth and 2" from concrete steps, porch slabs, patio slabs and similar horizontal surfaces exposed to weather

MP-2 (2015 IRC R408) CRAWLSPACE VENTILATION Crawlspace ground surface shall be covered with a Class 1 (0.1 per or less) vapor retarder material.

Provide 1 sf of net free vent area for each 1500 sf of crawlspace area. A vent shall be located within 3 feet of each corner.

Vents shall be protected by 1/8" minimum, 1/4" maximum non-corrosive screen.

MP-3 (2015 IRC R806) ROOF VENTILATION Provide I sf of net free vent area for each 150 sf of attic area. Venting may be reduced to 1 sf of net free vent area for each 300 sf of attic area provided at least 40% but no more than 50% of the vent area is located in the upper portion of the roof at least 3 feet above the eave. Vents shall be protected by 1/8" minimum, 1/4" maximum non-corrosive screen or approved

soffit vents. A minimum 1" clear air space shall be provided between the insulation and the roof

sheathing through the roof. All rafter bays to be ventilated.

FIRE PROTECTION

FP-1 (2015 IRC R302.6) SEPARATION REQUIRED The garage shall be separated from the residence and its attic by not less than 1/2" thick GWB on the garage side. Garages beneath habitable rooms above by not less than 5/8" thick GWB Type X. Where the separation is a ceiling-floor assembly the structure supporting the assembly shall also be protected by not less than 1/2" thick GWB.

FP-2 (2015 IRC R302.5) OPENING PROTECTION

Openings between garage and residence shall be protected by either - Solid wood door not less than 1 3/8" thick, or

- Solid or honeycomb metal door not less than 1 3/8" thick, or - 20-minute fire rated door equipped with self-closing device

FP-3 (2015 IRC R302.5.2) DUCT PENETRATION Ducts in the garage and ducts penetrating the walls or ceiling separating the dwelling

from the garage shall be a minimum of 26 gauge sheet metal and have no openings into the garage.

FP-4 (2015 IRC R302.7) UNDER-STAIR PROTECTION Enclosed accessible space under stairs shall have walls and under-stair-surfaces protected on the enclosed side by not less than 1/2" thick GWB.

FP-5 (2015 IRC R314.1) SMOKE DETECTION AND NOTIFICATION All smoke alarms shall be listed in accordance with UL 217 and installed in accordance with the provisions of the IRC and the household fire warning equipment provisions of NFPA

FP-6 (2015 IRC R314.3.4) SMOKE DETECTION LOCATION & INTERCONNECTION Smoke alarms shall be installed in the following locations -In each sleeping room

-Outside each separate sleeping area in the immediate vicinity of the bedrooms -On each additional story of the building including basements and habitable attics When more than one smoke alarm is required to be installed within an individual dwelling unit, the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit.

FP-7 (2015 IRC R314.2.2) SMOKE ALARMS - ALTERATIONS, REPAIRS AND ADDITIONS When alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with smoke alarms located as required for new dwellings.

FIRE PROTECTION cont'd.

FP-8 (2015 IRC R314.6) SMOKE ALARM POWER SOURCE Smoke alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and, where primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without disconnecting switch than those required for overcurrent protections.

FP-9 (2015 IRC R315.1.2) CARBON MONOXIDE ALARMS For new construction, an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages.

When alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.

FP-10 (2015 IRC R315.1.1) CARBON MONOXIDE ALARM REQUIREMENTS Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

FP-11 (2015 IRC R315.5) POWER SOURCE Carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and, where primary power is interrupted, shall receive power from a battery. Wiring shall be permanent and without disconnecting switch than those required for overcurrent protections.

FP-12 (2015 IRC R302.11) FIREBLOCKING REQUIRED Fire blocking is required in the following locations.

-In concealed spaces of stud walls and partitions including furred spaces, parallel rows of studs, staggered studs as follows: Vertically at ceiling and floor levels Horizontally at intervals not exceeding 10 feet -At all interconnections between concealed vertical and horizontal spaces such as soffits, dropped ceilings, and coved ceilings -In concealed spaces between stair stringers at the top and bottom of the run. -At openings around vents, pipes, ducts, cables, and wire at ceiling and floor level -At fireplaces & chimneys per IRC R1003.19 -Fireblocking cornices of a 2-family dwelling is required at the line of dwelling unit

separation

SAFETY AND SECURITY

55-1 (2015 IRC R308.4) SAFETY GLAZING - HAZARDOUS LOCATIONS Provide safety glazing in the following locations

- Glazing in swinging doors

- Glazing in fixed and sliding panels of sliding door assemblies and panels in sliding and bifold closet door assemblies

- Glazing in storm doors

-Glazing in unframed swinging doors

- Glazing in door or enclosure for hot tub, whirlpool, sauna, steam room, bathtub, and shower. Glazing in any part of the a building wall enclosing these where the the bottom edge of the glazing is less than 60" above a standing or walking surface.

- Glazing in an individual fixed or operable panel adjacent to a door where the nearest vertical edge is within a 24" arc of the door in a closed position AND whose bottom edge is less than 60" from the floor or walking surface.

- Glazing that meets all of the following conditions

Exposed area of an individual pane larger than 9 sf Bottom edge less than 18" above the floor Top edge more than 36" above the floor Walking surface within 36" horizontally of the glazing

-All glazing in railings (regardless of area or height).

-Glazing in walls and fences enclosing swimming pools, hot tubs, spas where the bottom edge is less than 60" above walking surface and within 60" horizontally of the water's edge.

-Glazing adjacent to stairways, landings, and ramps within 36" horizontally of a walking surface when the exposed surface of the glass is less than 60" above the the plane of the adjacent walking surface.

-Glazing adjacent to stairways within 60" horizontally of the bottom tread in any direction when the exposed surface of the glass is less than 60° above the nose of the tread.

(SEE CODE SECTION FOR LIMITED LIST OF EXCEPTIONS)

66-2 (2015 IRC R310.1,2,3,4) EMERGENCY ESCAPE (EGRESS) Emergency escape opening shall have a minimum net clear opening of 5.7 sf Grade floor openings shall have a minimum net clear opening of 5.0 sf

- Emergency escape opening shall have a minimum net clear opening height of 24" - Emergency escape opening shall have a minimum net clear opening width of 20" - Emergency escape opening shall have a maximum sill height of 44"

55-3 (2015 IRC R311.2) EXIT DOOR Not less than one exit door shall be provided. Minimum size of 32" x 78"

66-4 (2015 IRC R311.7) STAIRWAYS

Stairway width shall be no less than 36" in clear width above the handrail height and below the required headroom height, handrails may project no more than 4.5" on either side of the stairway

HEADROOM The minimum headroom of all parts of the stairway shall be no less than 6'-8" measured vertically from the sloped plane adjoining the tread nosings.

RIGER HEIGHT The maximum riser height is 7-3/4" The maximum discrepancy between tallest \$ shortest risers shall not exceed 3/8".

TREAD DEPTH The minimum tread depth is 10" measured from nosing projection to nosing projection The maximum discrepancy between widest 4 narrowest treads shall not exceed 3/8".

NOSING

Provide a nosing not less than 3/4" but not more than 1-1/4" wide on stairways with solid rísers.

HANDRAIL A continuous handrail is required on at least one side of each continuous run of treads or flight with 4 or more risers.

HANDRAIL HEIGHT Not less than 34" or more than 38" above the sloped plan adjoining the tread nosings.

HANDRAIL CONTINUITY Handrail shall be continuous for the full length of the flight from a point directly above the top riser to a point directly above the bottom riser. Handrails shall be returned to the wall or terminate in a newel post or safety terminus.

SAFETY AND SECURITY cont'd

HANDRAIL SPACE

There shall be a space of no less than 1-1/2" between handrail and adjacent wall surface. HANDRAIL GRIP SIZE

Handrails with a circular cross section shall have an outside diameter of at least 1-1/4" and no more than 2". If the handrail is not circular it shall have a perimeter dimension of at least 4" and not more than 6-1/4" with a maximum cross section dimension of 2-1/4" (See code for additional options).

66-5 (2015 IRC R312) GUARDS

Porches, balconies, ramps, and raised floor surfaces more than 30" above the floor or grade below shall have a guard not less than 36" in height. Open side of stairs with a total rise of 30° or more shall shall have quards a minimum

height of 34" above nosings. Guards shall have intermediate rails or balusters spaced so as not to allow the passing of a 4" diameter sphere.

BATHROOM NOTES

BN-1 (2015 IRC 307.1) SPACE REQUIREMENTS Toilet - Minimum 15" clear each side, Minimum 21" clear in front of bowl Vanity - Minimum 21" clear in front Shower - Minimum 30" x 30", 24" clear in front of opening BN-2 (2015 IRC 307.2) TUB & SHOWER WALLS

Bathtub and shower floors and walls above bathtubs with shower heads shall be finished with a non-absorbant surface to a height of at least 6 feet above the floor.

Ø.5Ø

R-38

R-21

R-30

R-49 or R-38 adv

R-15 continuous or

R-10 continuous

R-10 (First 24")

R-10 continuous

slab & basement wall

R-21 int (R-21 cavity + R-10 insulated headers)

R-21 cavity + R5 thermal break between

NR

ENERGY CODE

EC-1 CODE

All work to comply with 2015 Washington State Energy Code (WSEC).

EC-2 (2015 WSEC R402) BUILDING ENVELOPE REQUIREMENTS

Climate Zone 4C (Marine) - King County

Compliance Path: Mandatory plus Prescriptive Table 402.1.1

Fenestration U-Factor: (Vertical windows & doors): 0.28 Skylight U-Factor (Overhead): Fenestration SHGC Ceiling Insulation: Vaulted Ceiling Insulation: Wood framed wall Insulation (above grade) Mass Wall Insulation Wall Insulation (interior below grade):

Wall Insulation (exterior below grade): Floor Insulation: Slab on Grade Insulation Heated Slab on Grade Insulation

See Table 402.1.1 for footnotes

EC-3 (2015 WSEC R406) ADDITIONAL ENERGY EFFICIENCY REQUIREMENTS Dwelling units shall comply with all provisions of WSEC Chapter 4 and shall comply with sufficient options from Table R406.2 so as to achieve the at least the minimum number of Energy Credits as required (WSEC R406.2). Refer to Floor Plans, Sheets A-04 and A-05 for selected Energy Credit Options.

EC-4 (2015 WSEC R402.2.4) ACCESS HATCHES & DOORS

Access hatches from conditioned spaces to crawlspaces and attics shall be weatherstripped and insulated to a level equivalent to the surrounding surfaces.

EC-5 (2015 WSEC R303.1.3) FENESTRATION (DOOR & WINDOW) U-FACTOR LABELS All products shall be identified with NFRC 100 labels Indicating U-value, SHGC (or VT).

EC-6 (2015 WSEC TABLE 402.4.1.1) AIR BARRIER

A continuous air barrier shall be installed in the building envelope. Breaks or joints in the barrier shall be sealed. Air-permeable insulation shall not be used as a sealing material.

EC-1 GROUND COVER

A ground cover of 6 mil black polyethylene, Class 1 (0.1 per or less), vapor retarder material shall be installed over the ground in crawlspaces. Joints should be lapped 12" and the ground cover should extend to the foundation walls. Gound cover can be omitted if crawlspaces have a concrete slab with a minimum thickness of 3-1/2".

EC-8 (2015 WSEC R402.4.3) AIR LEAKAGE OF FENESTRATION

Exterior doors and windows shall be constructed to limit air leakage and be fitted with weatherstripping. Joints around door and window frames, openings between walls and foundations, between walls and roof, and any other penetrations shall be sealed, caulked, gasketed, or weatherstripped to prevent air leakage. Windows, skylights and sliding glass doors shall have an air infiltration rate of not more than 0.3 cfm per square foot, and swinging doors no more than 0.5 cfm per square foot, and be listed and labeled by the manufacturer.

EC-9 (2015 WSEC R402.4.4) RECESSED LIGHTING

Recessed light cans installed in the building envelope shall be Type IC rated and certified under ASTM 283 to have no more than 2.0 cfm air movement into the unconditioned cavity. They shall be installed with a gasket or caulk between the frame and the ceiling to prevent air leakage.

EC-10 (2015 WSEC 503.7) EQUIPMENT PERFORMANCE

Heating and cooling equipment shall be sized in accordance with ACCA Manual S based on building loads calculated in accordance with ACCA Manual J or other approved heating and cooling calculation methodologies. The output capacity of heating and cooling equipment shall not be greater than that of the smallest available

equipment size that exceeds the loads calculated, including allowable oversizing limits. New or replacement heating and cooling equipment shall have an efficiency rating equal to or greater than the minimum required by federal law for the geographic location where the equipment is installed.

EC-11 (2015 (WSEC R403.6) MECHANICAL VENTILATION

Mechanical ventilation system fans shall meet the efficacy requirements of Table R403.6.1.

EC-12 (2015 WSEC R403.1) CONTROLS

Provide a programmable thermostat for regulation of temperature. Thermostat shall allow for a 5-2 programmable schedule (weekdays/weekends) and be capable of providing at least two programmable setback periods per day.

EC-13 (2015 WSEC R403.3) DUCTS

Ducts within or partial exposed to unconditioned spaces shall be insulated to a minimum of R-8 (WSEC R4Ø3.3.1). Framing cavities shall not be used as ducts or plenums. Installation of ducts in exterior walls shall not displace required envelope insulation (WSEC R4Ø3.3.5).

EC-14 (2015 WSEC R403.3.2) SEALING OF MECHANICAL SYSTEM Ducts, air handlers, and filter boxes shall be sealed. Joints and seams shall comply with either the International Mechanical Code or International Residential Code, as

applicable.

EC-15 (2015 WSEC R403.3.3) DUCT TESTING

Ducts shall be leak tested in accordance with WSU RS-33, using the maximum duct leakage rates specified. A written report of the results shall be signed by the party conducting the test and provided to the building inspector. A signed affidavit documenting the duct leakage test results shall be provided to the building inspector prior to an approved final inspection.

ENERGY CODE cont'd

EC-16 (2015 WSEC R403.4) MECHANICAL SYSTEM PIPING

Mechanical system piping capable of carrying fluids above 105 deg. F or below 55 deg. F shall be insulated to a minimum of R-6.

EC-11 (2015 WEEC R403.5.3) HOT WATER PIPE INSULATION Insulation for hot water pipes shall have a minimum thermal resistance of R-3.

EC-18 (2015 WSEC R403.5.5) ELECTRIC WATER HEATER INSULATION

Electric water heaters in unconditioned space or on concrete floors shall be placed on an incompressible insulated surface with a minimum R-IQ.

EC-19 (2015 WSEC R404.1) LIGHTING EQUIPMENT

A minimum of 75 percent of permanently installed lamps in lighting fixtures shall be high efficacy lamps. EC-20 (2015 WSEC 402.4.1.2) AIR LEAKAGE TESTING The building or dwelling shall be tested and verified to have an air leakage rate not exceeding 5 air changes per hour. Testing shall be conducted with a blower door at a pressure of Ø.2 inches w.g. Where required by the building official testing shall be conducted by an approved third party. Testing shall be performed any time after creation of all penetrations in the building thermal envelope. The test results shall be posted on the Residential Energy Compliance Certificate. EC-21 (2015 WSEC 401.3) ENERGY COMPLIANCE CERTIFICATE A Residential Energy Compliance Certificate is required to be completed by the design professional or builder and permanently posted on a wall in the space where the furnace is located, a utility room, or an approved location inside the building. EXHAUST SYSTEMS CODE

VC-1 CODE

All work to comply with 2015 International Residential Code (IRC), Chapter 15, Exhaust Systems.

VC-2 (2015 IRC Section MI507) MECHANICAL VENTILATION

Source Specific Exhaust Fans

- Exhaust fans providing source specific ventilation shall have a minimum fan flow rating not less than 50 cfm intermittent for bathrooms, laundries, or similar rooms and 100 cfm intermittent for kitchens.

- Source specific ventilation systems shall be controlled by manual switches, dehumidistats, timers, or other approved means.

- Source specific ventilation ducts shall terminate outside the building. Exhaust ducts shall be equipped with backdraft dampers. All ducts in unconditioned spaces shall be insulated to a minimum of R-8.

VC-3 (2015 IRC Section MI507.3) WHOLE HOUSE MECHANICAL VENTILATION Whole-house mechanical ventilation systems shall be designed in accordance with Sections MI507.3 through MI507.3.3.

- Integrated whole house ventilation systems shall provide outdoor air at a continuous rate of not less than that determined in accordance with Table MI507.3.3.1. - Whole House mechanical ventilation system to operate intermittently with controls that enable operation for not less than 25-percent of each 4-hour segment and the ventilation rate prescribed in Table MI507.3.3(1) is multiplied by the factor determined in accordance with Table M15Ø7.3.3(2).

- Integrated forced-air ventilation systems shall distribute outdoor air to each habitable room through the forced-air system ducts. - Integrated forced-air ventilation systems shall have an outdoor air inlet duct connecting a terminal element on the outside of the building to the return air

plenum of the forced air system at a point within 4 feet upstream of the air handler. - The outdoor air inlet duct connection to the return air stream shall be located

upstream of the forced-air system blower and shall not be connected directly into a furnace cabinet to prevent thermal shock to the heat exchanger.

- The system shall be equipped with a motorized damper connected to the automatic ventilation control as specified in Section MI5Ø7.3.2. Item 5. The required flow rate shall be verified by field testing with a flow hood or a flow measuring station. Controls

- The whole house ventilation system shall be controlled by a 24-hour clock timer with the capability of continuous operation, manual and automatic control. At the time of final inspection the automatic control timer shall be set to operate the whole house system for at least 8 hours a day. A label shall be affixed to the control that reads "WHOLE HOUSE VENTILATION - See operating instructions."

MECHANICAL SYSTEM

MW-1 (2015 IRC M1301.2) WATER HEATER ANCHORAGE Water heater shall be strapped at points within the upper 1/3 and lower 1/3 of the appliance. Strapping shall be a minimum of 4" above the controls.

MW-2 (2015 IRC MI307.3) ELEVATION OF IGNITION SOURCE Appliances having an ignition source shall be elevated such that the source of the ignition is not less than 18" above the floor.

MW-3 (2015 IRC MI307.3.1) PROTECTION FROM IMPACT Appliances located in the garage shall be protected from impact by approved barriers.

DESIGN BY CHECKED BY

DRAWN BY

APPROVED BY

DATE April 1, 2019

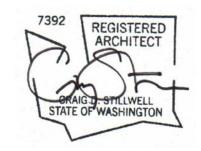
REVISIONS

STILLWELL HANSON **ARCHITECTS**

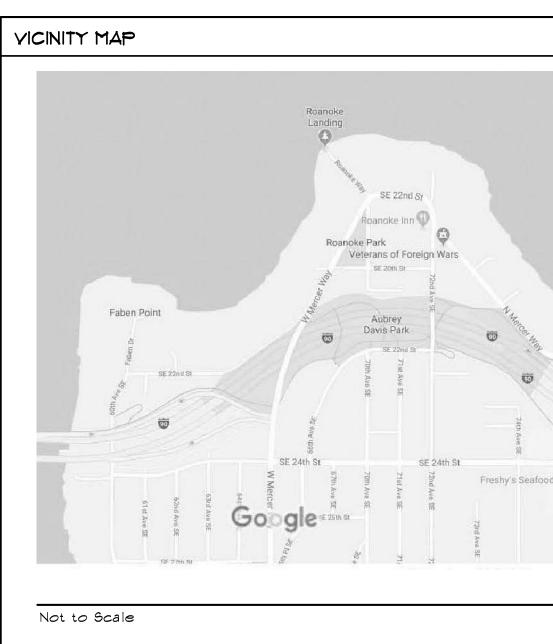
46 ETRURIA STREET, SUITE 200 SEATTLE, WASHINGTON 98109 206 297 1504 PHONE 206 297 1543 FAX

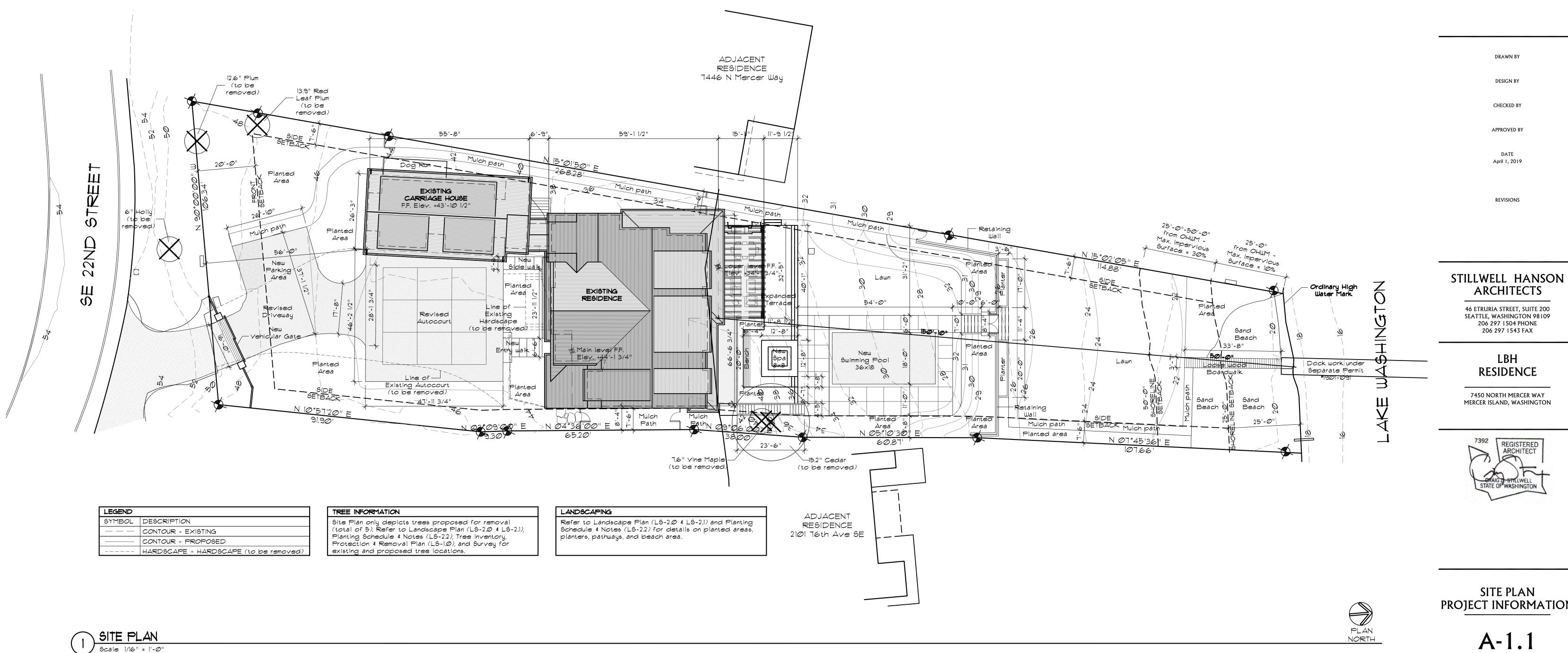
LBH RESIDENCE

7450 NORTH MERCER WAY MERCER ISLAND, WASHINGTON



GENERAL



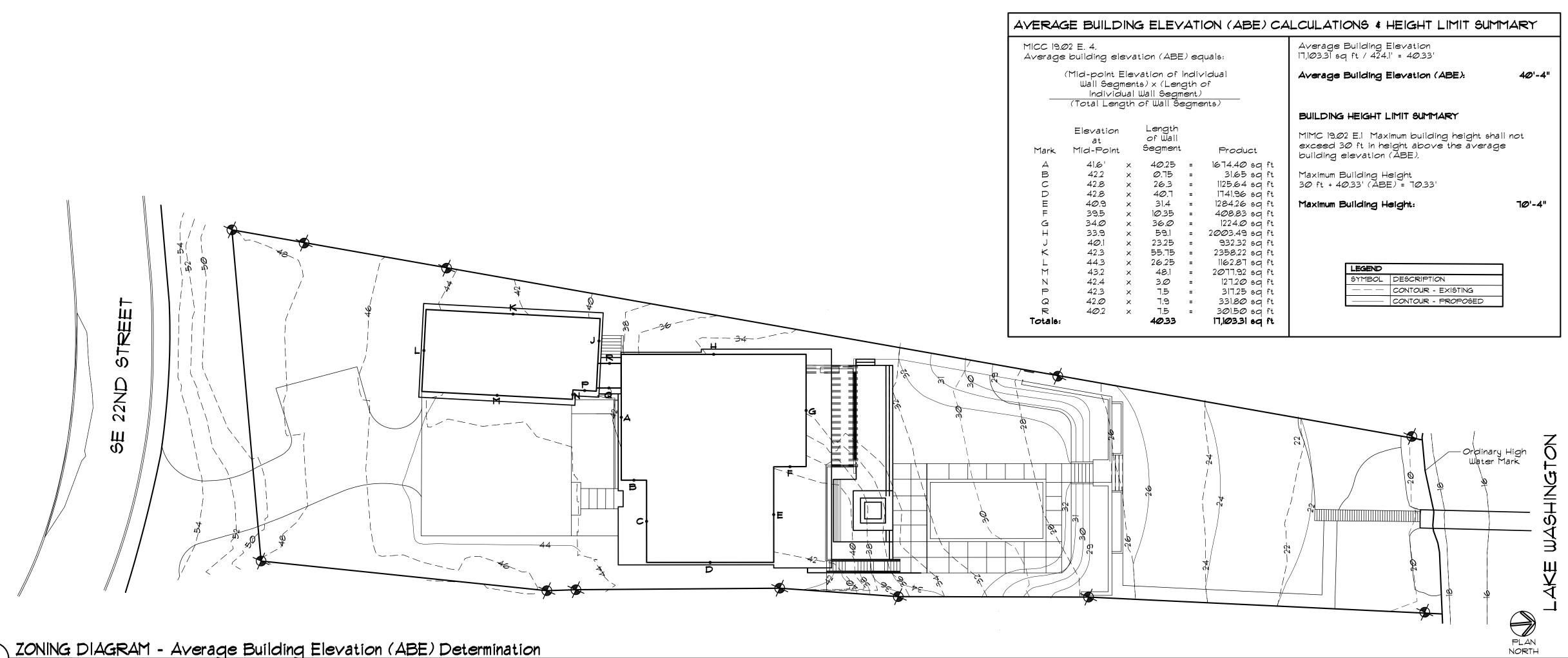


LEGEND	
SYMBOL	DESCRIPTION
	CONTOUR - EXISTING
	CONTOUR - PROPOSED
	HARDSCAPE - HARDSCAPE (to be removed)



	PROJECT DATA	PROPERTY DATA	CONSTRUCTION DATA	ENERGY DATA
	OUNER	PROJECT ADDRESS	SCOPE OF WORK	
		7450 North Mercer Way	Lower level covered porch expansion, revised	
	Sean & Lori Kell	Mercer Island, Washington 98040	driveway configuration and new in-ground swimming	All work to comply with 2015 Washington State
	14033 SE 92nd Street		pool 4 spa with terrace. No new conditioned space	Energy Code (WSEC)
	Newcastle, Washington 98059			
	(206) 954-3004 Phone	ZONING DESIGNATION		- Climate Zone: 4C (Marine)
	CONTACT: Sean Kell	R-15	AREA SUMMARY	- Compliance Path: Mandatory & Prescriptiv
	sean_kell@yahoo.com		Conditioned Space	
		HEIGHT LIMIT		
	ARCHITECT	30'-0"	Existing Lower Level 1,736 sq ft	
	Stillwell Hanson Architects		Existing Main Level 4,302 sq ft	
	46 Etruria Street		Existing Upper Level 3,082 sq ft	
	Suite 200	SETBACKS	New Upper Level-under Permit #1812-083 33 sq ft	
	Seattle, Washington 98109	Front (South) $20'-0''$	Total 9,153 sq ft	
	CONTACT: Craig Stillwell	Side (5'-0" minimum) Combined 15'-0"		requirements.
,	craiq@stillwellhanson.com Email	Rear (North) from OHW Line 25'-Ø"		
7450 North Me	STRUCTURAL ENGINEER	LOT AREA	AVERAGE BUILDING ELEVATION (ABE)	ADDITIONAL ENERGY
	Swenson Say Faget	30,945 sq ft (per Survey)	DETERMINATION	EFFICIENCY REQUIREMENTS
eE 22nd St	2124 3rd Avenue		Refer to Detail 1, Sheet A-Ø1.2	
eg: 22040 St	Suite 100	ASSESSOR'S TAX NUMBER	Refer to Detail 1, Sheet A-21.2	Per 2015 WSEC R406.2.2 Additional Energy
	Seattle, WA 98121	531510-0125		efficiency requirements, no increase in
	(206) 443-6212 Phone		GROSS FLOOR AREA (GFA) DIAGRAMS & SUMMARY	
		LEGAL DESCRIPTION	Refer to Detail 2, Sheet A-Ø1.2	efficiency requirements.
1 Common Comm	CONTACT: Dan Say	MC GILVRAS ISLAND ADD ALL 9 & POR OF 10	Refer to Detail 2, Sheet A-101.2	-
	dsay@swensonsayfaget.com Email	WLY OF FOLG LN- BEG AT PT ON S LN BLK 2		
		DIST 104.18 FT W FRM SE COR OF SD BLK TH N 10		
t SE	CONTRACTOR	DEG 57 MIN 20 SEC E 91.90 FT TH N 03 DEG 09	LOT COVERAGE & IMPERVIOUS SURFACES	
Ave	Hoxie Huggins Construction	MIN 00 SEC E 9.30 FT TH N 04 DEG 36 MIN 00	DIAGRAM	
90th	46 Etruría Street #202	SEC E 65.20 FT TH N 03 DEG 06 MIN 00 SEC E	Refer to Detail 2, Sheet A-Ø1.3	
	Seattle, Washington 98109	38 FT TH N Ø5 DEG 10 MIN 30 SEC E 60.87 FT TH		
er Island Chevro	(206) 456-5266 ext-101	N ØT DEG 45 MIN 36 SEC E 118 FT M/L TO SH LN		
	CONTACT: Rob Hoxie	OF LK WASH & 2ND CL SH LDS ADJ	SHORELAND DEVELOPMENT STANDARDS	
bucks Q	rob@hoxiehuqqins.com Email	OF LN WASH & ZND CL SH LDS ADJ	DIAGRAM	
	~~		Refer to Detail 1, Sheet A-Ø1.3	
TRUE				
NORTH				
				l

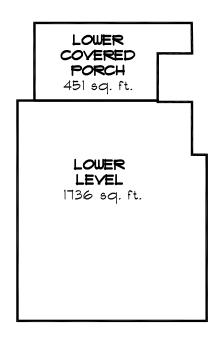
PROJECT INFORMATION



Scale |" = 2Ø'

LOWER LEVEL

Lower Level Finish Ceiling Height: 8'-10 1/2"

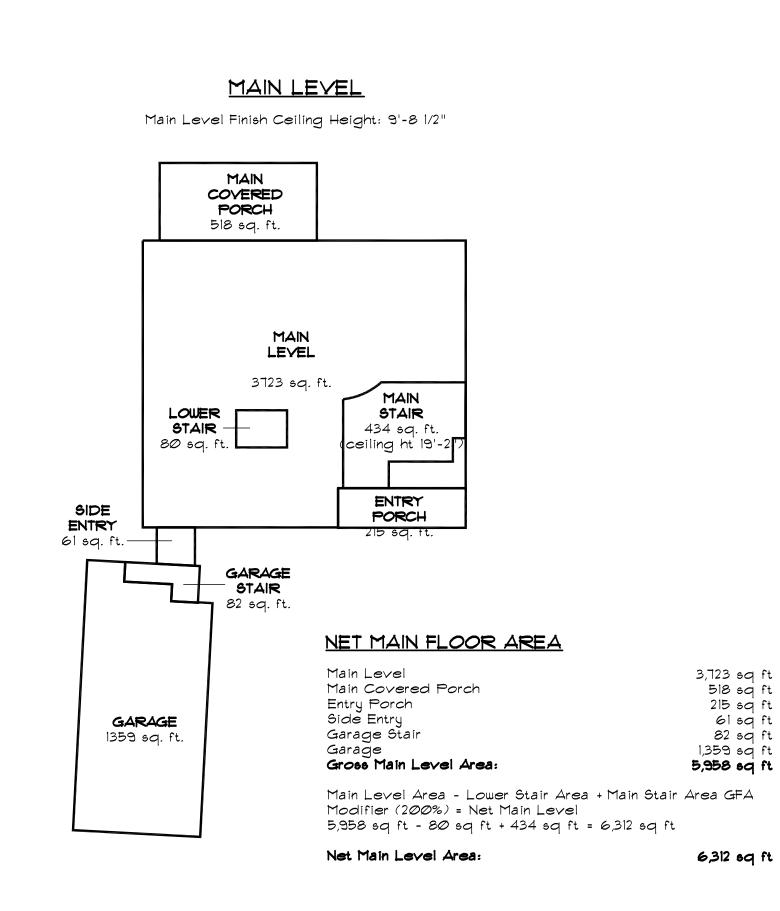


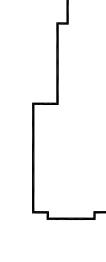
LOWER LEVEL AREA CALCULATION

Lower Level Total Area:

1,736 sq ft 1,736 sq ft





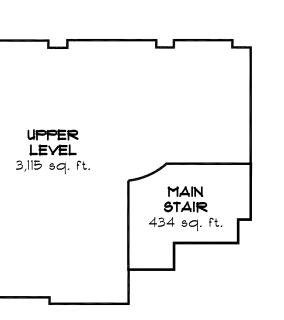




ION (ABE) CA	LCULATIONS & HEIGHT LIMIT SUMMARY
quals:	Average Building Elevation 17,103.31 sq ft / 424.1' = 40.33'
∕idual of	Average Building Elevation (ABE): 40'-4"
ente)	
	BUILDING HEIGHT LIMIT SUMMARY
Product 1674.40 sq ft 31.65 sq ft 1125.64 sq ft 1741.96 sq ft 1284.26 sq ft 408.83 sq ft	MIMC 19.02 E.1 Maximum building height shall not exceed 30 ft in height above the average building elevation (ABE). Maximum Building Height 30 ft + 40.33' (ABE) = 70.33' Maximum Building Height: 70'-4"
1224.0 sq ft 2003.49 sq ft 932.32 sq ft 2358.22 sq ft 1162.87 sq ft 2077.92 sq ft 127.20 sq ft 317.25 sq ft 331.80 sq ft 301.50 sq ft 17,103.31 sq ft	LEGEND SYMBOL DESCRIPTION CONTOUR - EXISTING CONTOUR - PROPOSED

<u>UPPER LEVEL</u>

Upper Level Finish Ceiling Height: 7'-11 1/2"



NET UPPER FLOOR AREA

Upper Level	3,115 sq f
Main Stair	434 sq f
Upper Level (garage)	997 sq f
Gross Upper Level Area:	3,678 sq f

Upper Level Area - Main Stair Area + Upper Level (garage) = Net Upper Level Area 3,115 sq ft - 434 sq ft + 997 = 3,678 sq ft

Net Main Level Area:

3,678 sq ft

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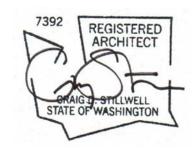
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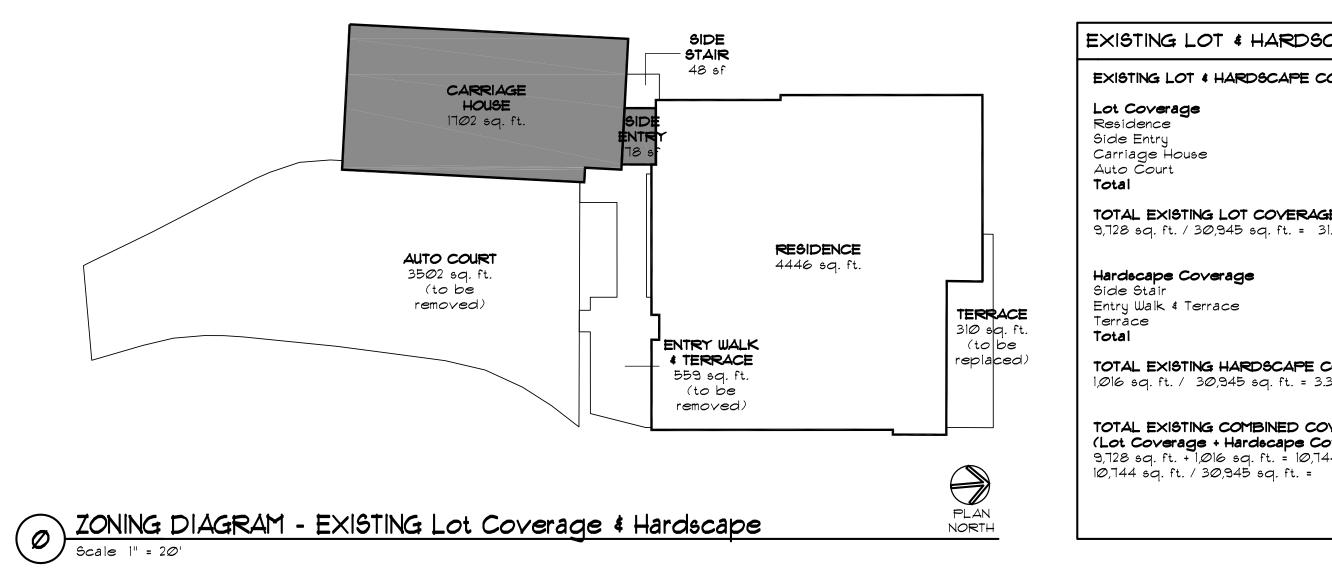
LBH RESIDENCE

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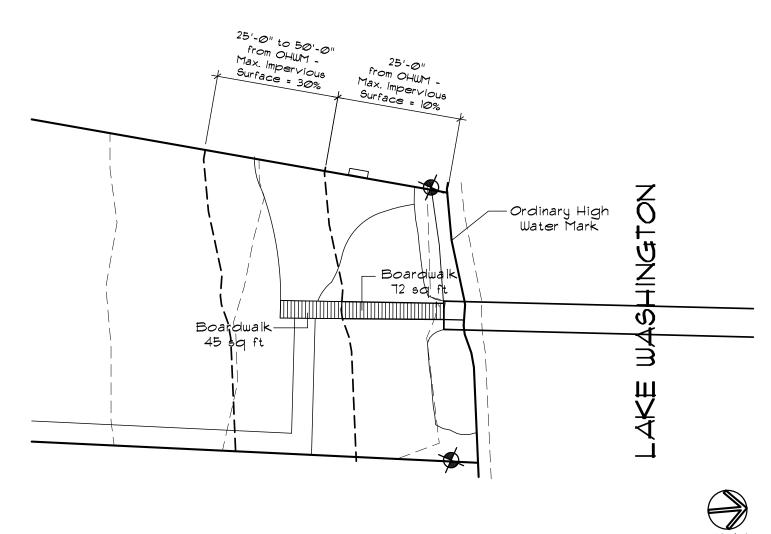




A-1.2



SHORELINE DEVELOPMENT STANDARDS	
MICC 19.07 I.E. Shoreline Development Standards. Waterfront lot - impervious surface limitations.	
O' to 25' Shoreline Setback Total Area = 1,462 sq. ft. Impervious Surface Limitation: 10% x 1,462 sq ft	146.2 sq ft
Impervious Surface Proposed: Boardwalk Total Impervious Surface Proposed:	72.Ø sq ft 72.Ø sq ft
25' to 50' Shoreline Setback Total Area = 1,453 sq. ft. Impervious Surface Limitation: 30% x 1,453 sq ft	435.9 sq ft
Impervious Surface Proposed: Boardwalk Total Impervious Surface Proposed:	45.Ø sq ft 45.Ø sq ft









MICC 19.02.020 F. 3. a. Lot Covera Landscaping Required. Minimum arc single family dwelling shall provide landscaping area based on the net slope.

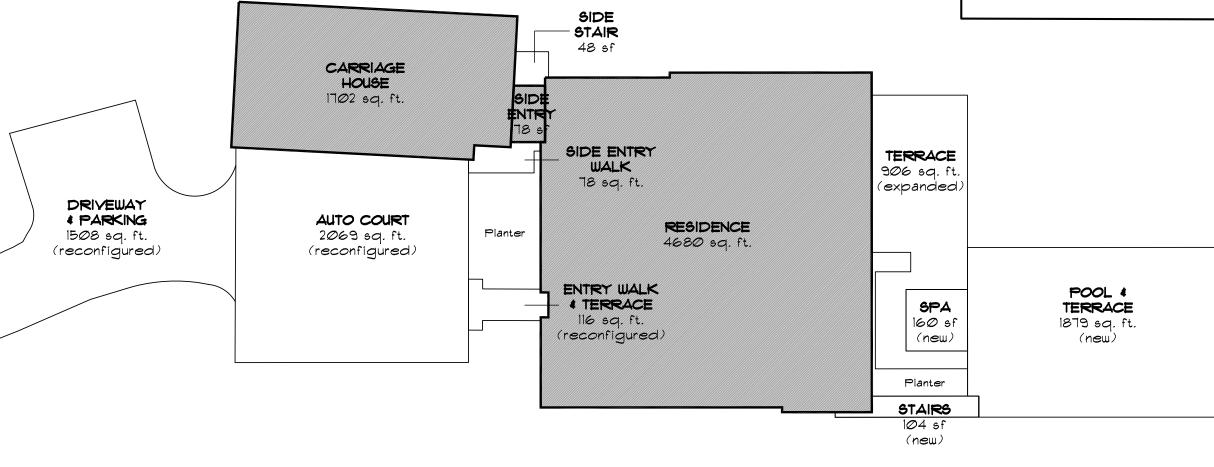
LOT COVERAGE (Building & Drivi Lot Slope: Maximum Lot Coverage: Landscaping Area Required: Gross Lot Area: Net Lot Area:

Maximum Lot Coverage 40 % x 30,945 sq ft

Required Landscaping Area 60 % x 30,945 sq ft

HARDSCAPE COVERAGE Lot Slope: Maximum Lot Coverage: Net Lot Area: 9 % x 30,945 sq ft:

TOTAL COMBINED COVERAGE AL (Lot Coverage + Hardscape Cove 12,378 sq. ft. + 2,785 sq. ft. = 15,163 sq. ft / 30,945 sq. ft. =



ZONING DIAGRAM - PROPOSED Lot Coverage & Hardscape

CAPE CO	OVERAGE
COVERAGE	
	4,446 sq ft 78 sq ft 1,702 sq ft 3,502 sq ft 9,728 sq ft
3E 31.4%	559 sq ft 147 sq ft 31Ø sq ft
COVERAGE	1,016 sq ft
DVERAGE overage) 44 sq. ft.	10,744 sq. ft. 34.7%

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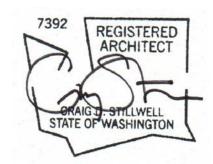
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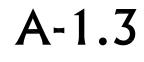
ZONING DIAGRAMS

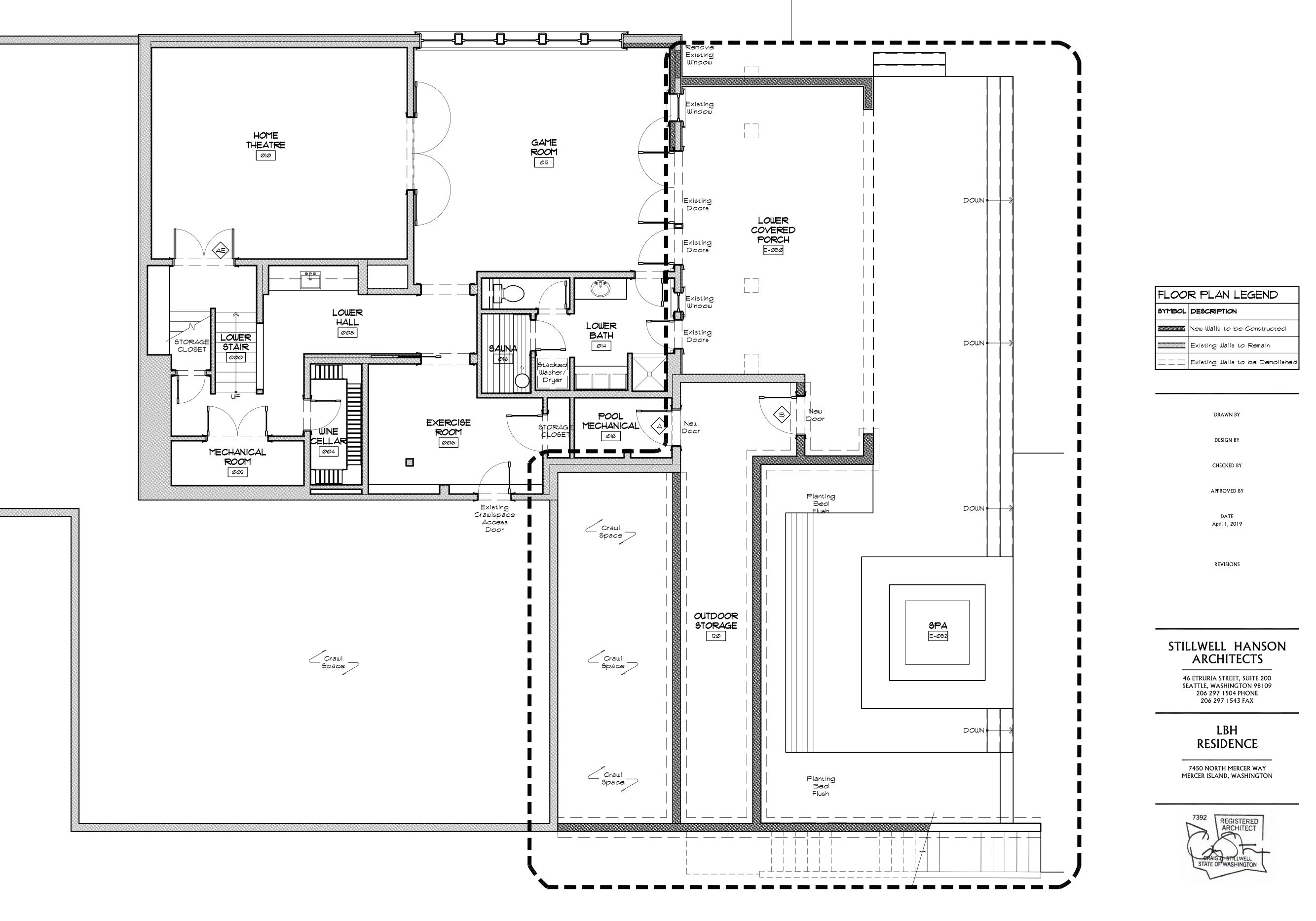
Kage «	AGE & HARDSCAPE CALCULATIONS				
erage - area required for de the minimum		PROPOSED LOT & HARDSCAPE COVERAGE Lot Coverage			
net lot area		Residence Side Entry Carriage House	4,680 sq ft 78 sq ft 1,702 sq ft		
ving Areas.	8 % 4Ø %	Auto Court Driveway & Parking Total	2,069 sq ft 1,508 sq ft 10,031 sq ft		
	60 % 30,945 sq ft 30,945 sq ft	TOTAL PROPOSED LOT COVERAGE			
	12,378 sq ft	Hardscape Coverage Pool & Terrace	1,879 sq ft		
	18,567 sq ft	Covered Porch Terrace Spa Pool Stair Lower Walk & Stair Baach Walk	906 sq ft 160 sq ft 104 sq ft 157 sq ft		
	8 % 9 % 30,945 sq ft 2,785 sq ft	Entry Walk	117 sợ ft 78 sợ ft 116 sợ ft 3,517 sợ ft		
	2,100 99 11	TOTAL PROPOSED HARDSCAPE COVER, 3,517 sq. ft. / 30,945 sq. ft. = 11.4%	4GE		
verage)	15,163 sq. ft. 49%	TOTAL PROPOSED COMBINED COVERAG (Lot Coverage + Hardscape Coverage) 10,037 sq. ft. + 3,517 sq. ft. = 13,554 sq. ft. / 30,945 sq. ft. =	E 13,554 sq. ft. 43.8%		

LOWER WALK **4 STAIR** 154 sq. ft. (new)

BEACH WALK 117 sq. ft. (new)





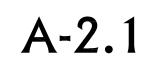


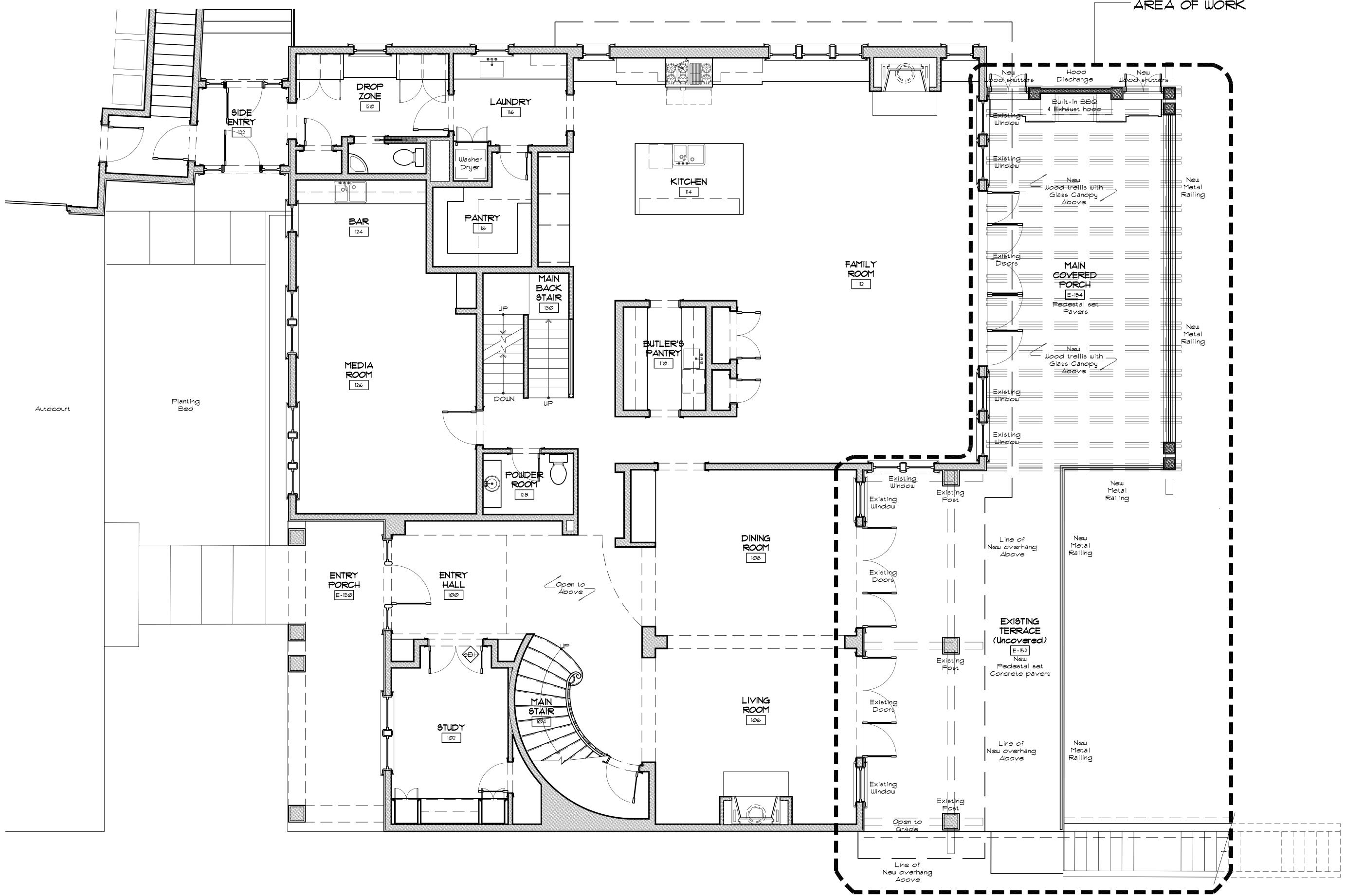


AREA OF WORK

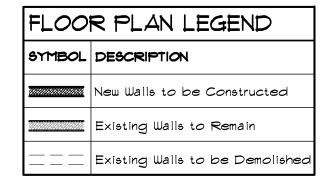


FLOOR PLAN LOWER LEVEL





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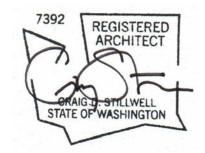
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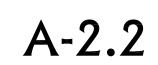
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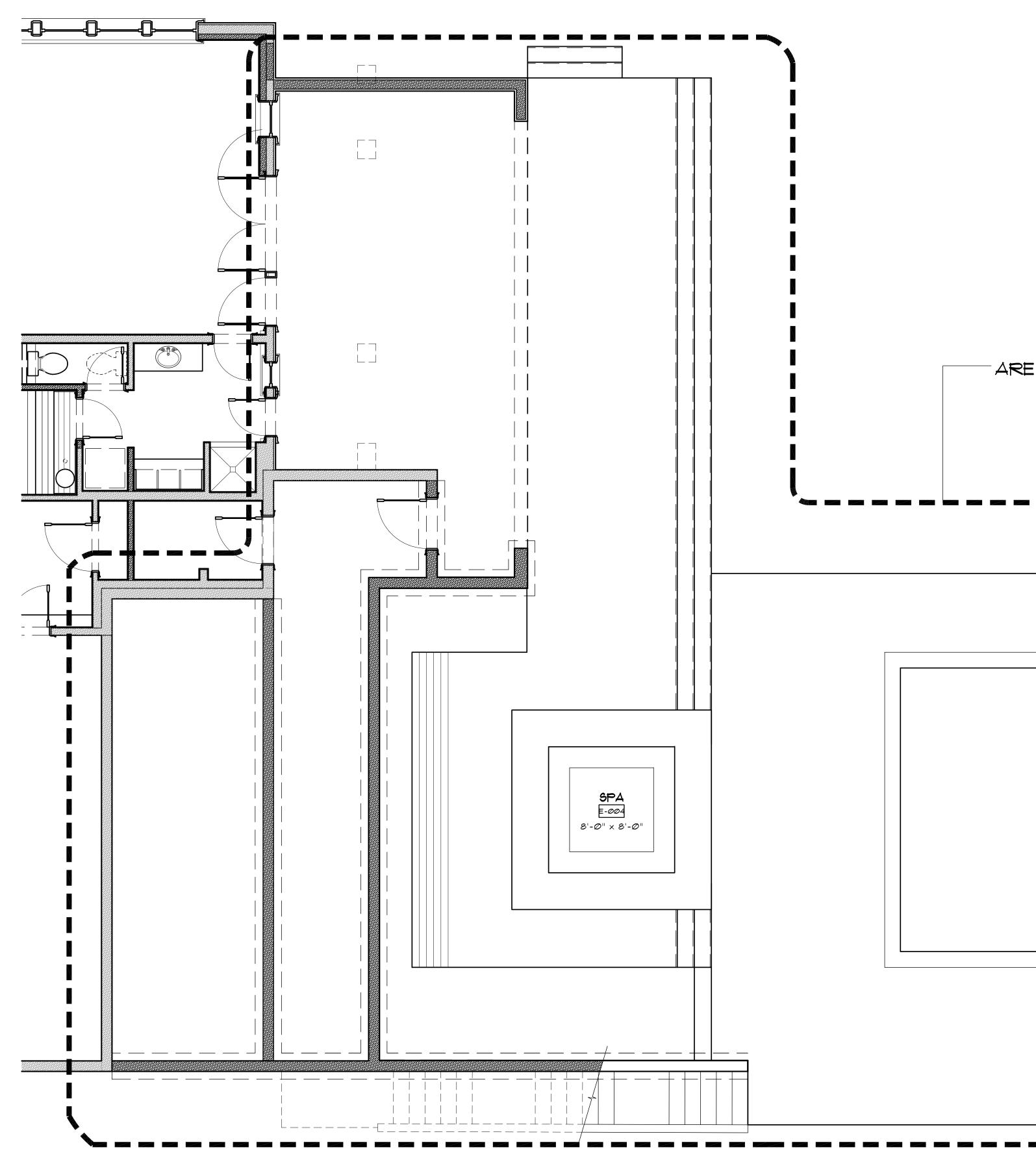
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FLOOR PLAN MAIN LEVEL

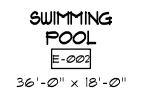


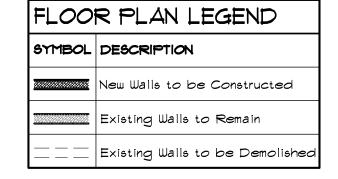
PLAN NORTH





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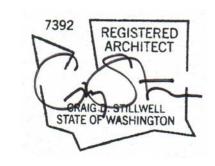
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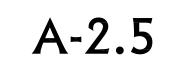
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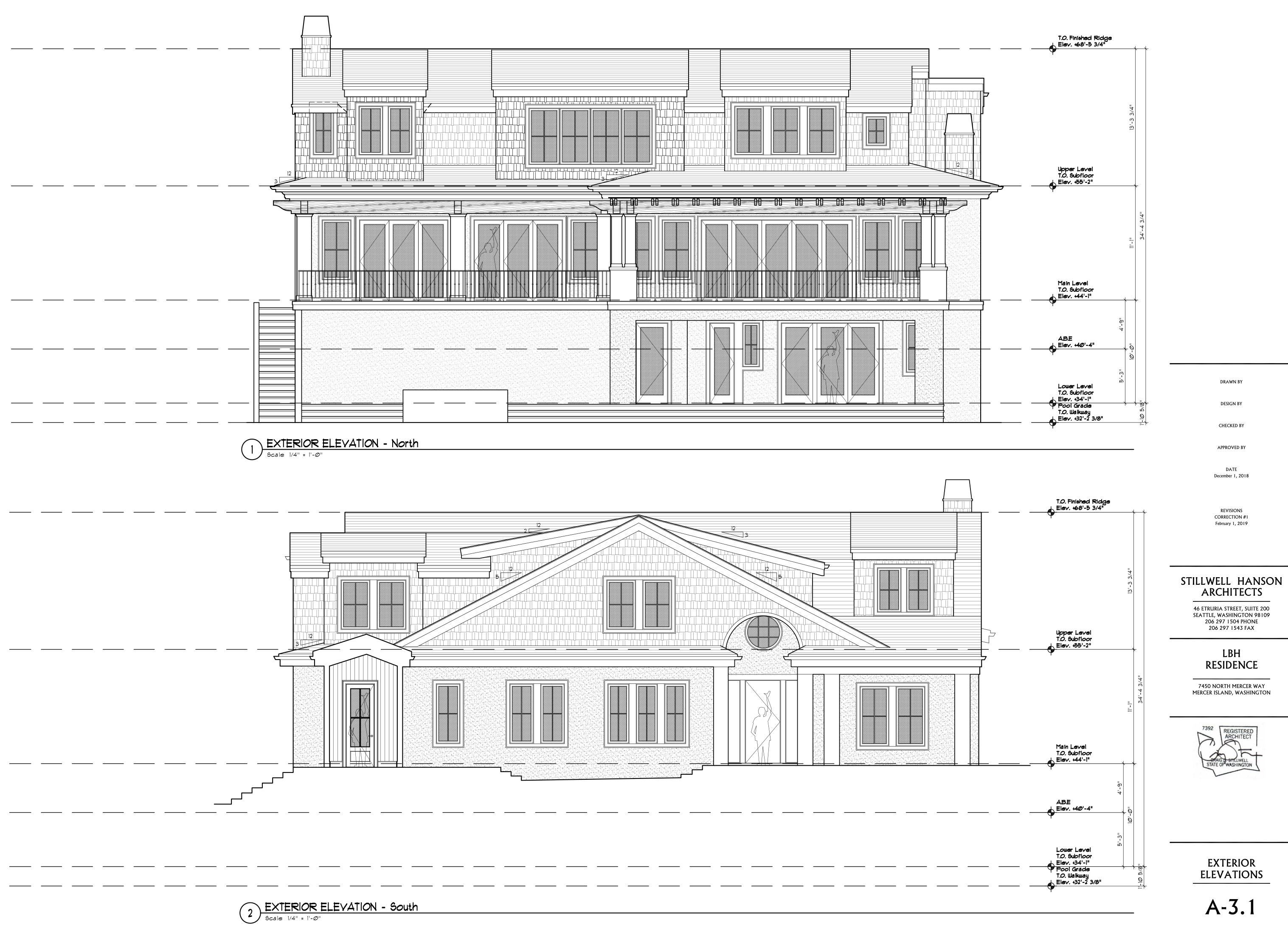
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FLOOR PLAN POOL TERRACE

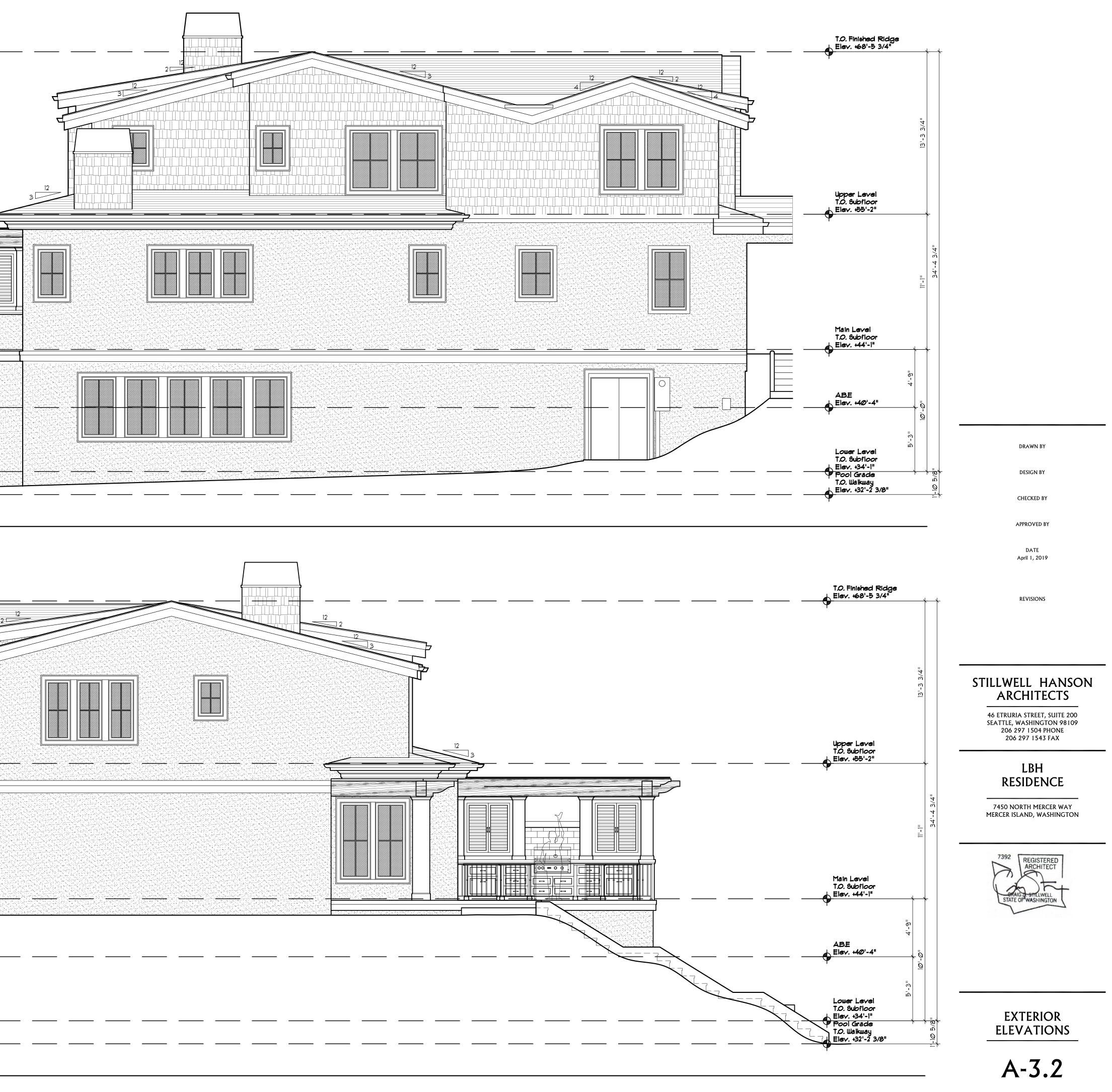
PLAN NORTH











Reinf. conc. stair per Structural Dwgs. Sandblast finish (release agent) Minimal integral color tint Tooled joints 4" Washed pea gravel Compacted sub base

> Finish Grade



Maintain venting continuity throughout roof assembly - 1" clear minimum —

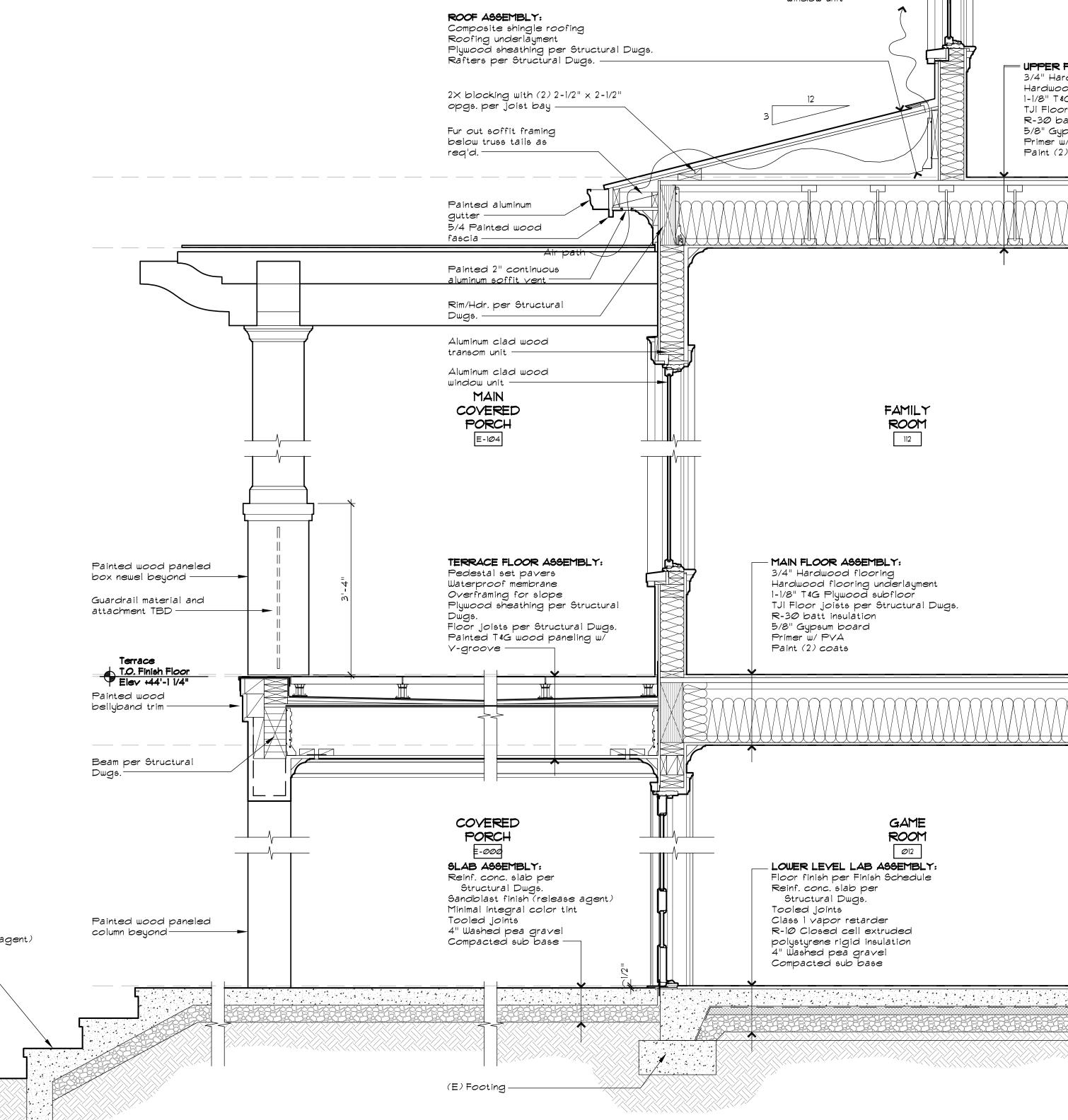
opgs. per joist bay —

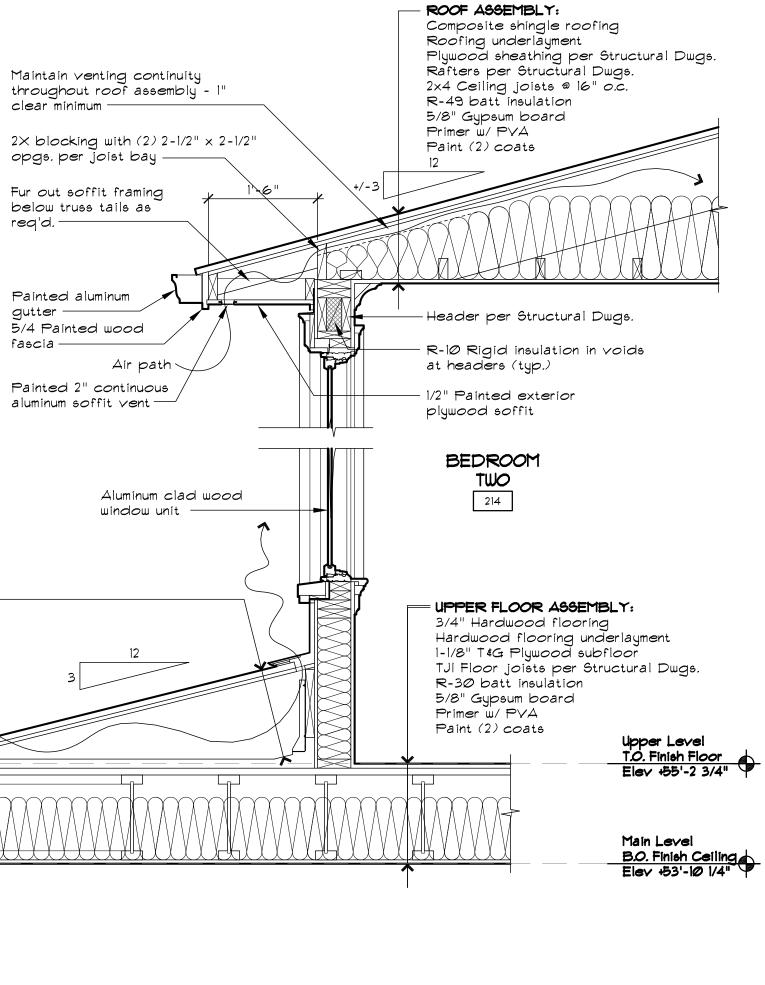
Fur out soffit framing below truss tails as req'd.—

Painted aluminum gutter -5/4 Painted wood

fascia —

Painted 2" continuous aluminum soffit vent —





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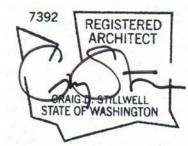
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WALL SECTIONS

A-4.1

Lower Level T.O. Finish Floor Elev +34'-1 3/4"

Main Level T.O. Finish Floor Elev +44'-1 3/4"

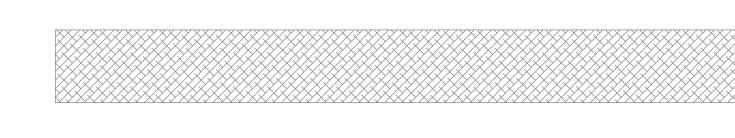
Lower Level B.O. Finish Ceiling Elev +42'-9 1/4"

GAME ROOM Ø12 - LOWER LEVEL LAB ASSEMBLY: Floor finish per Finish Schedule Reinf. conc. slab per Structural Dwgs. Tooled joints Class I vapor retarder R-10 Closed cell extruded polystyrene rigid insulation 4" Washed pea gravel Compacted sub base

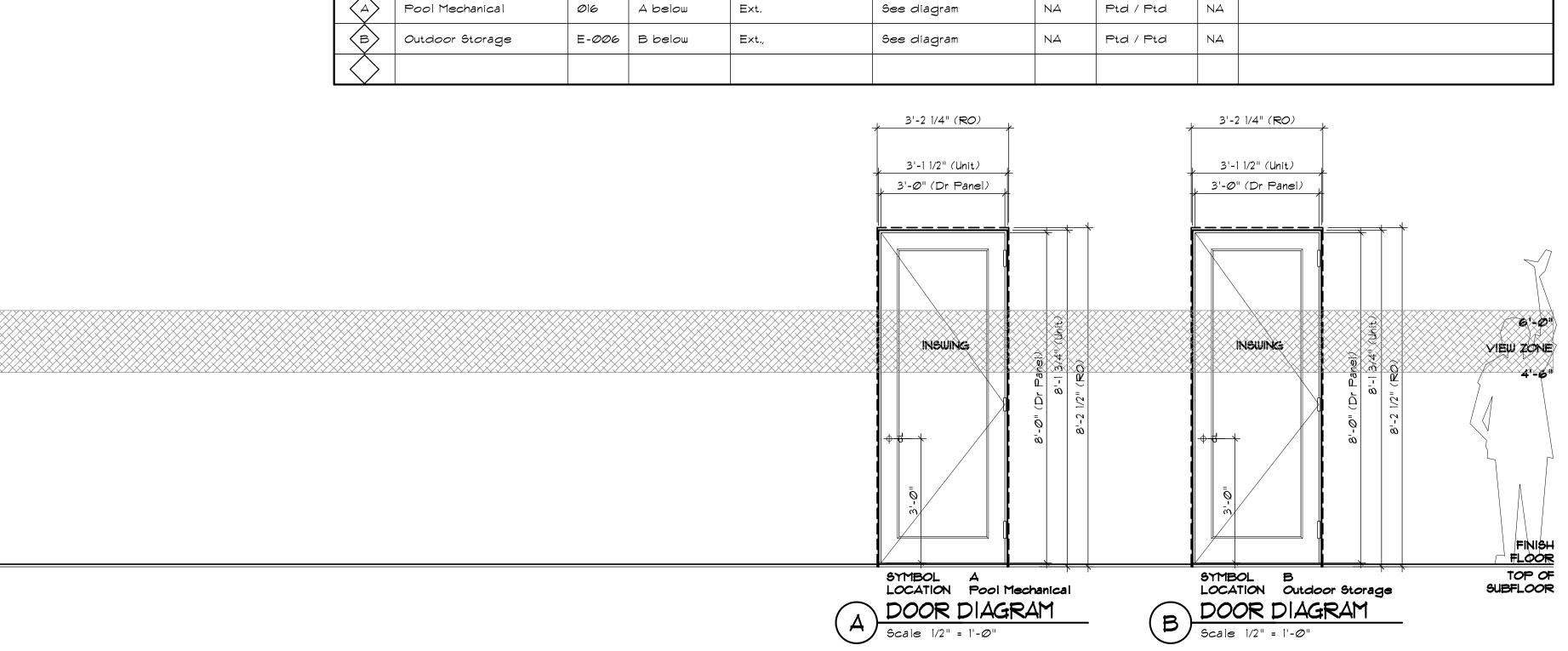
FAMILY

ROOM

112



EXTE	EXTERIOR DOOR SCHEDULE				
SYMBOL	LOCATION	ROOM	DIAGRAM	TYPE	SIZE
\bigcirc	Pool Mechanical	016	A below	E×t.	See diagram
B	Outdoor Storage	E-006	B below	E×t.,	See diagram
\bigcirc					



AREA FINISH

u

REMARKS

DOOR DIAGRAM NOTES

1. Exterior doors are shown from the exterior side.

2. General Contractor to confirm all rough opening requirements and installation requirements with manufacturer.

3. Manufacturer to review installation locations and confirm safety glazing requirements.

4. Manufacturer to review installation locations and confirm designated units meet egress requirements.

5. Install units per all manufacturer's recommendations.

6. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL BY ARCHITECT PRIOR TO FABRICATION.

DOOR SPEC

MANUFACTURER & MODEL: Pella or approved equal

EXTERIOR & INTERIOR COLOR: Match "Standard White" (verify)

GLASS: Low E

HARDWARE TBD

DIVIDED LITE: Match existing size \$ profile

LEGEND

ŀG	TG Tempered Glass		
ß	Door Butt		
R	Roller Catch		

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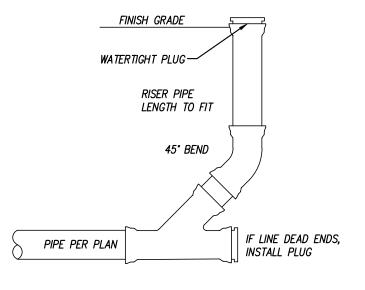
EXTERIOR DOOR SCHEDULE



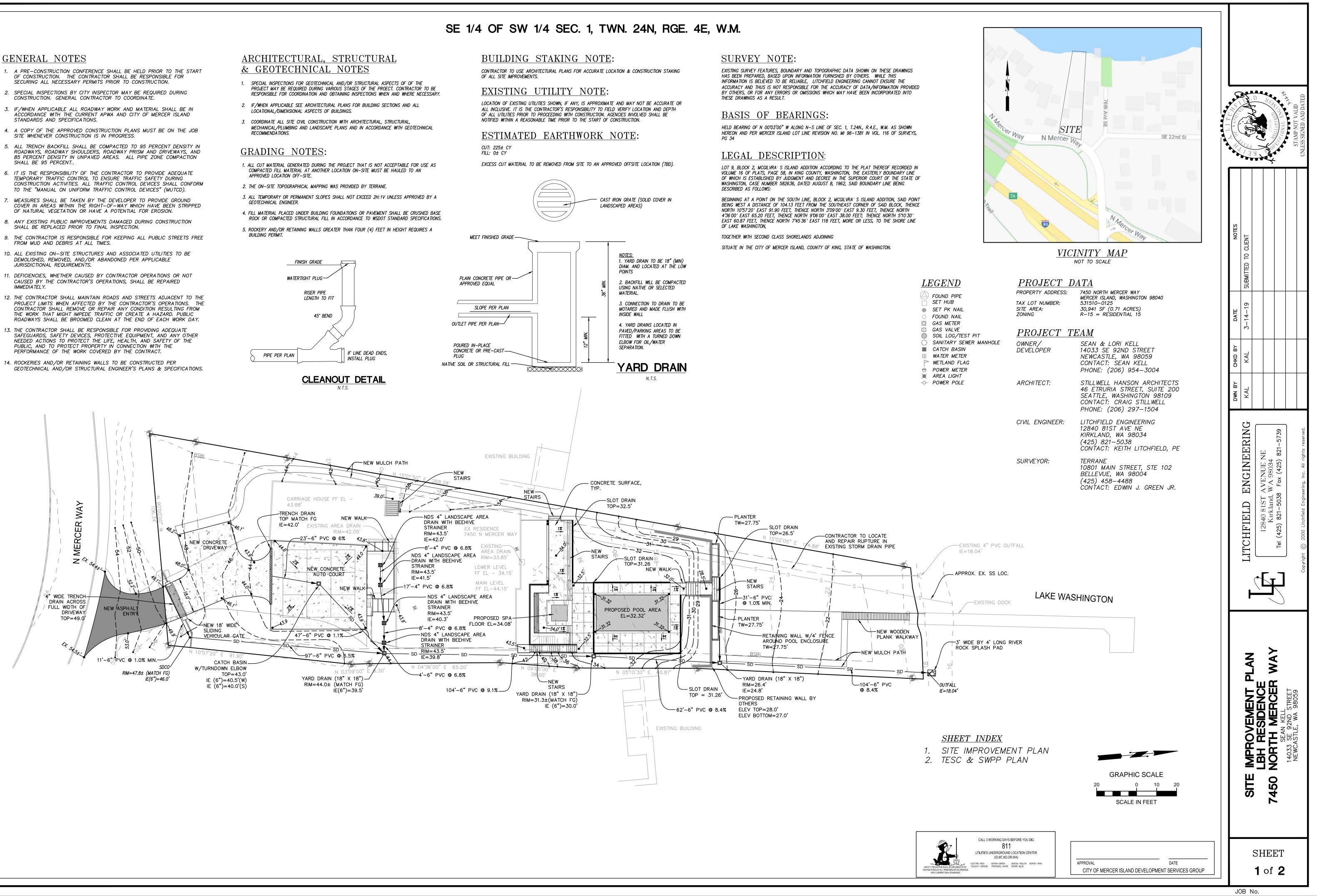
GENERAL NOTES

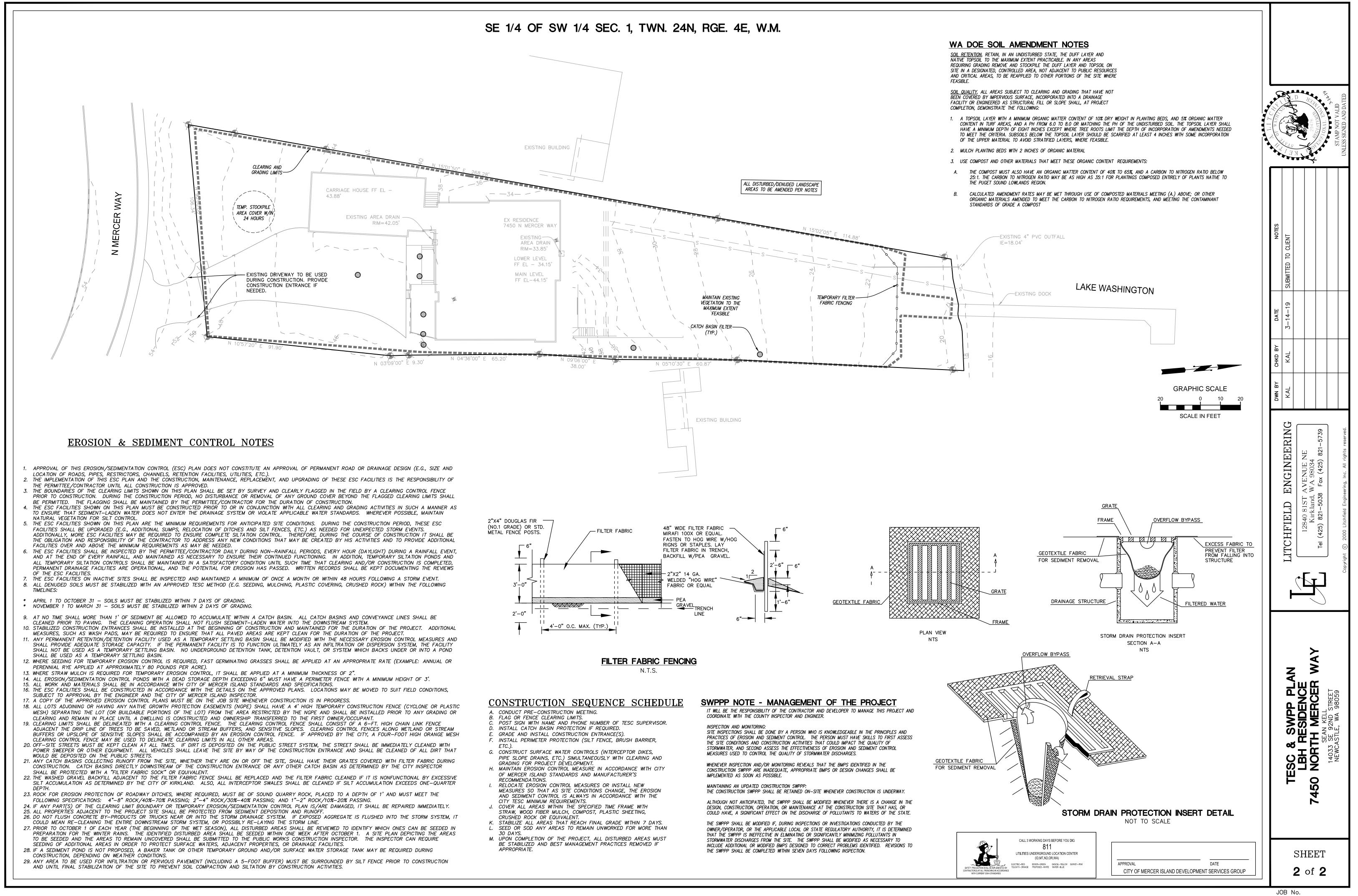
- OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION.
- ACCORDANCE WITH THE CURRENT APWA AND CITY OF MERCER ISLAND
- 85 PERCENT DENSITY IN UNPAVED AREAS. ALL PIPE ZONE COMPACTION SHALL BE 95 PERCENT ..
- TEMPORARY TRAFFIC CONTROL TO ENSURE TRAFFIC SAFETY DURING
- OF NATURAL VEGETATION OR HAVE A POTENTIAL FOR EROSION.
- SHALL BE REPLACED PRIOR TO FINAL INSPECTION.
- DEMOLISHED, REMOVED, AND/OR ABANDONED PER APPLICABLE JURISDICTIONAL REQUIREMENTS.
- 11. DEFICIENCIES, WHETHER CAUSED BY CONTRACTOR OPERATIONS OR NOT CAUSED BY THE CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED IMMEDIATELY.
- CONTRACTOR SHALL REMOVE OR REPAIR ANY CONDITION RESULTING FROM THE WORK THAT MIGHT IMPEDE TRAFFIC OR CREATE A HAZARD. PUBLIC
- SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE
- 14. ROCKERIES AND/OR RETAINING WALLS TO BE CONSTRUCTED PER GEOTECHNICAL AND/OR STRUCTURAL ENGINEER'S PLANS & SPECIFICATIONS.

- APPROVED LOCATION OFF-SITE.
- GEOTECHNICAL ENGINEER.
- Building Permit.









Tree #	DBH	Species	Exceptional Tree?	Large Regulated Tree?	Proposed for Removal?	Notes
NATIVE EVERGREENS						
1	19.4"	Western Red Cedar	No	yes	-	Mulch with wood chips
2	22.8"	Western Red Cedar	No	Yes		Mulch with wood chips
3	14.9"	Douglas Fir	No	Yes	-	Decompact soil with air spade, expose root flare (trunk buried)
4	6.2"	Western Red Cedar	No	No	-	Decompact soil with air spade, expose root flare (trunk buried); scars north side of trunk;
5	33.3″	Douglas Fir	Yes	Yes	-	Owner arranging removal of English Ivy; top lost in past.
6	14.2″	Douglas Fir	No	Yes	•	
7	15.2″	Western Red Cedar	No	Yes	YES	
8	11.2″	Common Hawthorn	No	No	-	
DECIDUOUS TREES						
9	Under 10"	Camellia japonica	No	No	-	
10	13.9″	Red Leaf Plum	No	Yes	YES	lvy in Canopy
RIGHT OF WAY TREES						
11	19.7"	Austrian Black Pine, 3 stems	No	No	-	Ivy in Canopy
12	18.4″	Western Red Cedar	No	Yes	-	*All Cedars in ROW have been topped by utility co; Ivy
13	6″	English Holly	No	No	YES	Invasive
14	23.9"	Western Red Cedar	No	Yes	-	*
15	20"	Western Red Cedar	No	Yes	-	*
16	6.3"	Western Red Cedar	No	No	-	*
17	7.8"	Western Red Cedar	No	No	-	*
18	11.9"	Western Red Cedar	No	No	-	*
<u>19</u>	8.7"	Western Red Cedar	No	No	-	*
20	7.8"	Western Red Cedar	No	No	-	*
21 22	13.3"	Western Red Cedar	No	Yes	-	*
22	13.6"	Western Red Cedar	No	No	-	*
23 24	12.6	Flowering Plum	No	Yes	YES	-
25	7.6"	Vine Maple	No	No	YES	
23	7.1″	Western Red Cedar	No	No	-	

TREE INVENTORY

REPLACEMENT TREES - 8 REGULARED PER City of Mercar Island Tree Inventory and Replacement Submittal Form See land scape Plan for New Tree Locations;

ROW TREES ;	
#22-13.6"CEDAR -	
#21-1313" CEDAR -	
#19,#20-7"-8" CEDARS	
#18-11.9" CEDAR	
#16,#176-8" CEDARS -	
#15-20" CEDAR	
1+14-23.9" CEDAR	Remove-
#13-6" HOLLY-REMOVE	CUT W/HERBKIDE
#12-18.411 CEDAR -	
#11-19,7" PINE	
-X-X Tree Protection	H" Depth Chips+T Rotsoft Fencing
X Tree To be Rema	

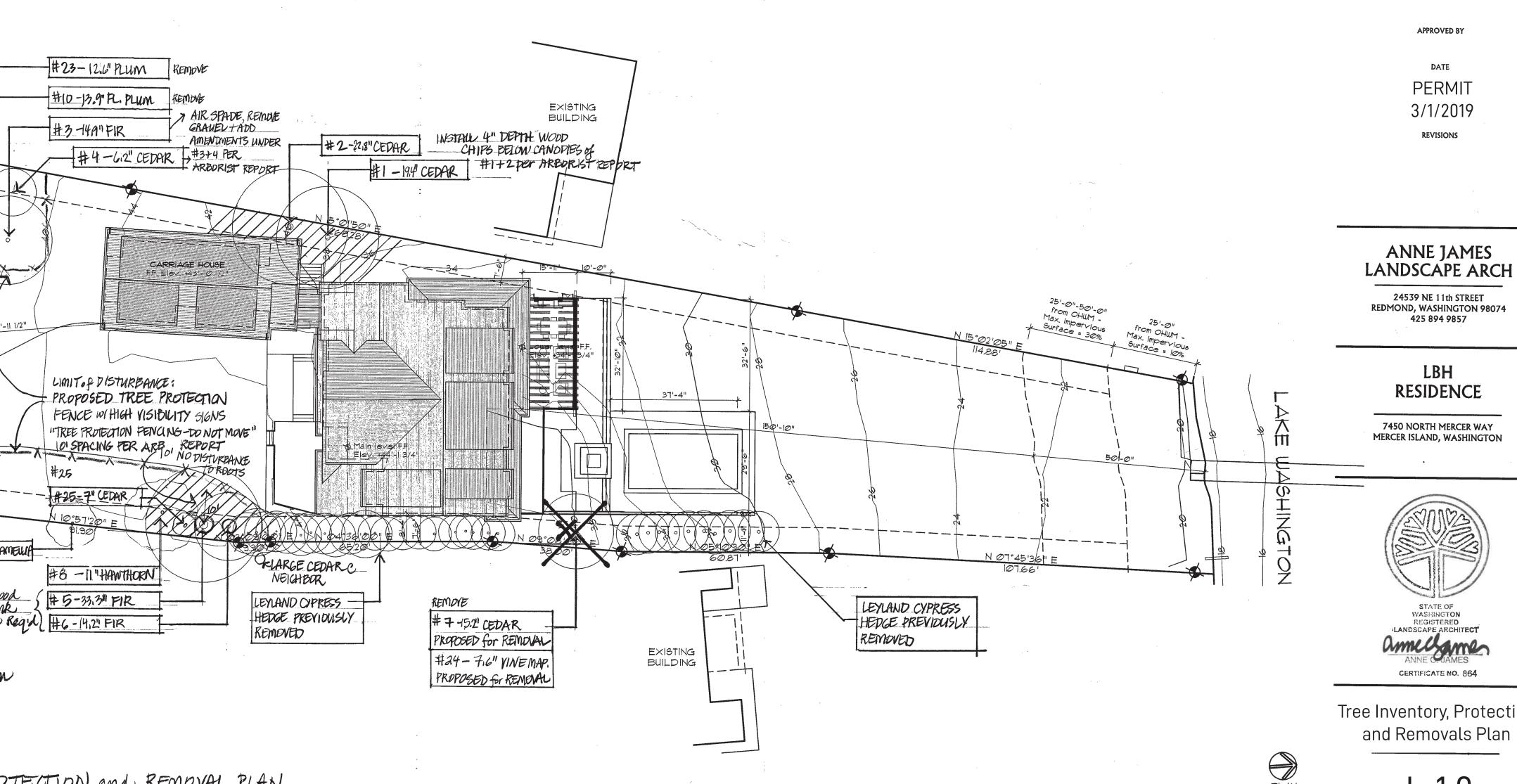
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) Scale 1/20" = 1'-0"

Tree Protection

- 1. All existing trees and shrubs on the property are to remain and be protected throughout construction, unless otherwise noted.
- 2. Tree Protection Fencing: Install tree protection fencing in locations indicated on plan. Fencing will need periodic adjustment as project work progresses. Proposed tree protection fence relocations to be reviewed in the field with Landscape Architect (LA).
- 3. Restricted Activities in Tree Protection Areas: Construction trailers, traffic and storage areas shall remain outside the fenced areas at all times. No materials, equipment, spoil, waste or washout/wastewater (i.e., cement, paint) may be stored, deposited, or parked within the tree protection zone (fenced area) at any time. Exemptions may be made by the LA to store materials on existing paved areas under trees.
- 4. **Restricted Activity in Root Zone of Trees:** No storage of equipment or materials shall be allowed within the drip-line of trees.
- 5. Temporary access to root zones: Where construction operations unavoidably require temporary access over tree root zones or other soil protection areas, provide protection as follows: For foot access or similar light surface impacts, apply a 6" layer of arborist wood chips mulch and water regularly to maintain moisture, control erosion and protect roots. For any vehicle or equipment access, apply a minimum one inch steel plate or 4 inch thick timber planking over 2-3 inches or arborist wood chip mulch to protect roots and root zone soil from disturbance or compaction.
- 6. Protection from equipment stabilizers: Steel planking, or timber planking made of 4-inch thick material, each plank covering a minimum of 8 square feet, shall be used to support backhoe/equipment stabilizers when set within the drip-line of a tree.
- 7. **Pruning:** All efforts shall be made to avoid conflicts with tree limbs by temporarily tying up low limbs in the way of the work. When the Contractor anticipates construction operations that will unavoidably affect tree limbs, the Contractor shall notify the LA at least five (5) Working Days in advance of any pruning needed, and shall notify the LA of the proposed method and the amount of pruning required. Pruning shall be done by an ISA certified arborist. Pruning shall not be done by the General Contractor.
- 8. Tree Trunk Protection: Provide individual tree trunk protection for trees as noted on plan. Tree trunk protection shall consist of 2" x 4" lumber, 8' long, wired together and spaced approximately 6" on center around individual tree trunks, or a freestanding wood "cage" built around the trunk.
- 9. Trenching and Tunneling Within the Drip-Line: Excavation within the drip line of trees shall be by hand digging or air spade excavation. Consult LA to review roots in areas to be excavated as the work begins.
- 10. Trenching and Tunneling Outside the Drip Line: Excavation around roots 2-inches in diameter and greater requires handwork or air spading. All individual tree roots 2-inches or greater in diameter shall be protected whenever encountered. Tree roots smaller than 2-inches in diameter shall be cleanly cut flush with the edge of the trench or tunnel when necessary. Disinfect cutting tools frequently. Ripping or tearing of tree roots will not be allowed.
- 11. Root Hydration: Exposed roots to be kept hydrated during exposure to air with wet natural burlap laid over the roots, watered at least once daily.

TREE PROTECTION NOTES



hydrated.

2.

12. Repair, Replacement and Payment for Damage:

A. Trees or other plants not ordered or designated to be removed but that are destroyed or irreparably damaged by Contractor operations as determined by the Landscape Architect, shall be repaired or replaced in kind and size by the Contractor in accordance with the Landscape Architect's recommendations.

1. Replacements shall be of the same species and as nearly as possible of the same size as the trees to be replaced. The Contractor shall allow ten (10) Working Days advance notice for inspection

of nursery stock replacements by the Landscape Architect.

B. Payment: In addition to the Contractor's restoration approved by the Landscape Architect, the Contractor will be assessed damages for the difference in the dollar value of the damaged tree, shrub, or other plants, and the dollar value of the replacement.

1. The dollar value will be determined by the Engineer from the "Guide for Establishing Values of Trees and Other Plants," prepared by the Council of Tree and Landscape Appraisers, current edition. Damages assessed will be deducted from moneys due or that may become due to the Contractor.

C. Planting of replacement stock shall be done in accordance with the requirements of the Contract Documents during the first fall or spring planting period, whichever comes first.

D. Any damage to trees shall be reported to the Landscape Architect immediately so that remedial action can be taken to the affected tree(s). Timeliness of the remedial action can be critical to the tree's health.

12. Tree and Shrub Removals: Confirm all trees and shrubs to be removed in field with LA before any removals are completed.

13. Tree and Shrub Transplanting: Confirm all trees and shrubs to be transplanted in field with Landscape Architect (LA) before transplanting begins. Transplanting of trees should be scheduled when trees are dormant in late fall and winter (end October – February). Shrubs to be transplanted should ideally be planted in new locations immediately after digging to avoid need for storage, extra care and double handling. If this is not possible, they should be heeled in in a protected, shaded area, with adequate irrigation and mulch around the roots to keep them

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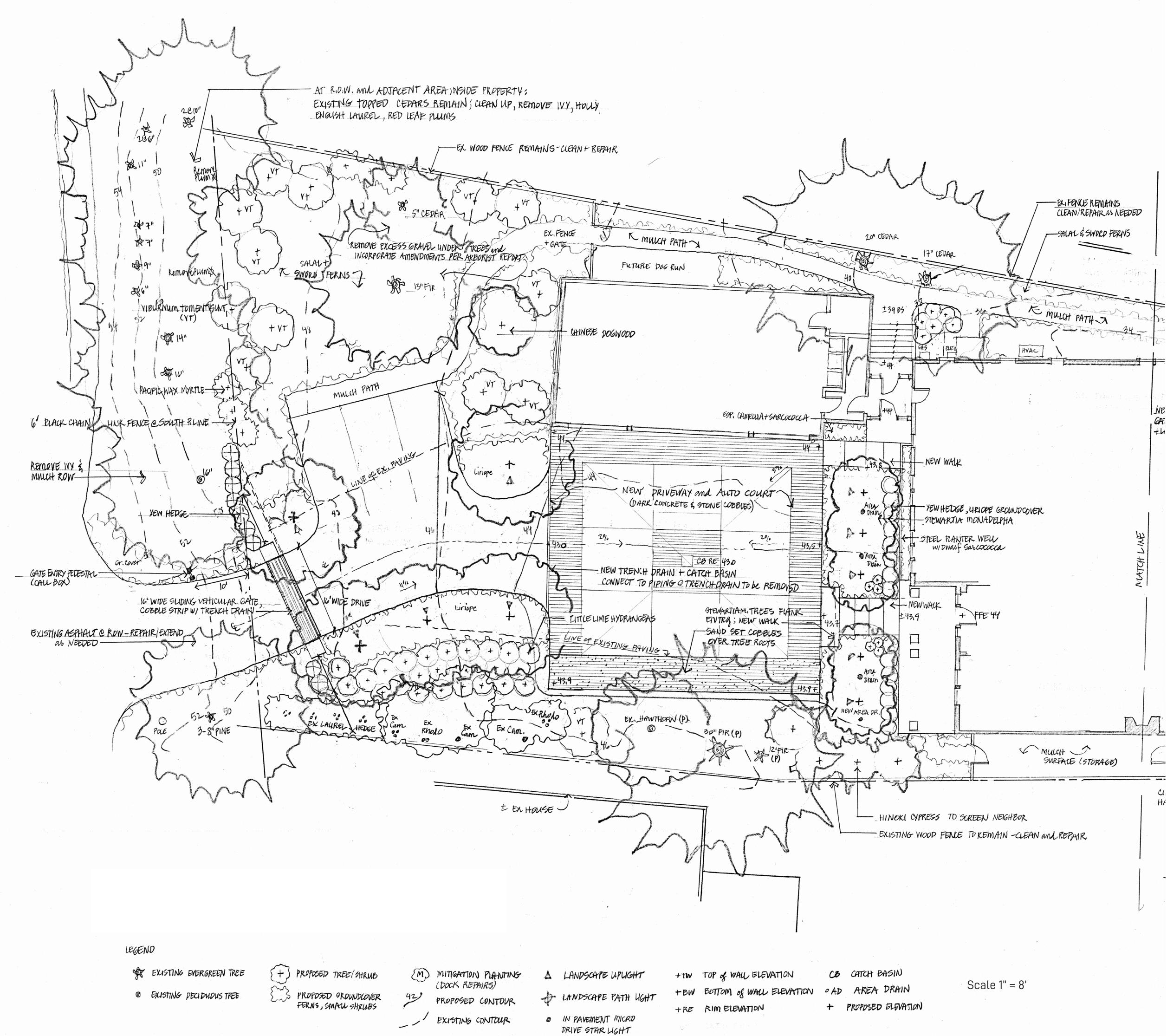
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DATE PERMIT 3/1/2019 REVISIONS

Tree Inventory, Protection and Removals Plan

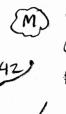
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PLAN NORTH



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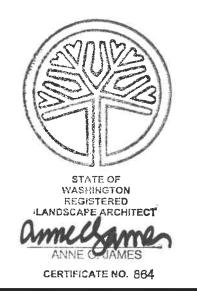
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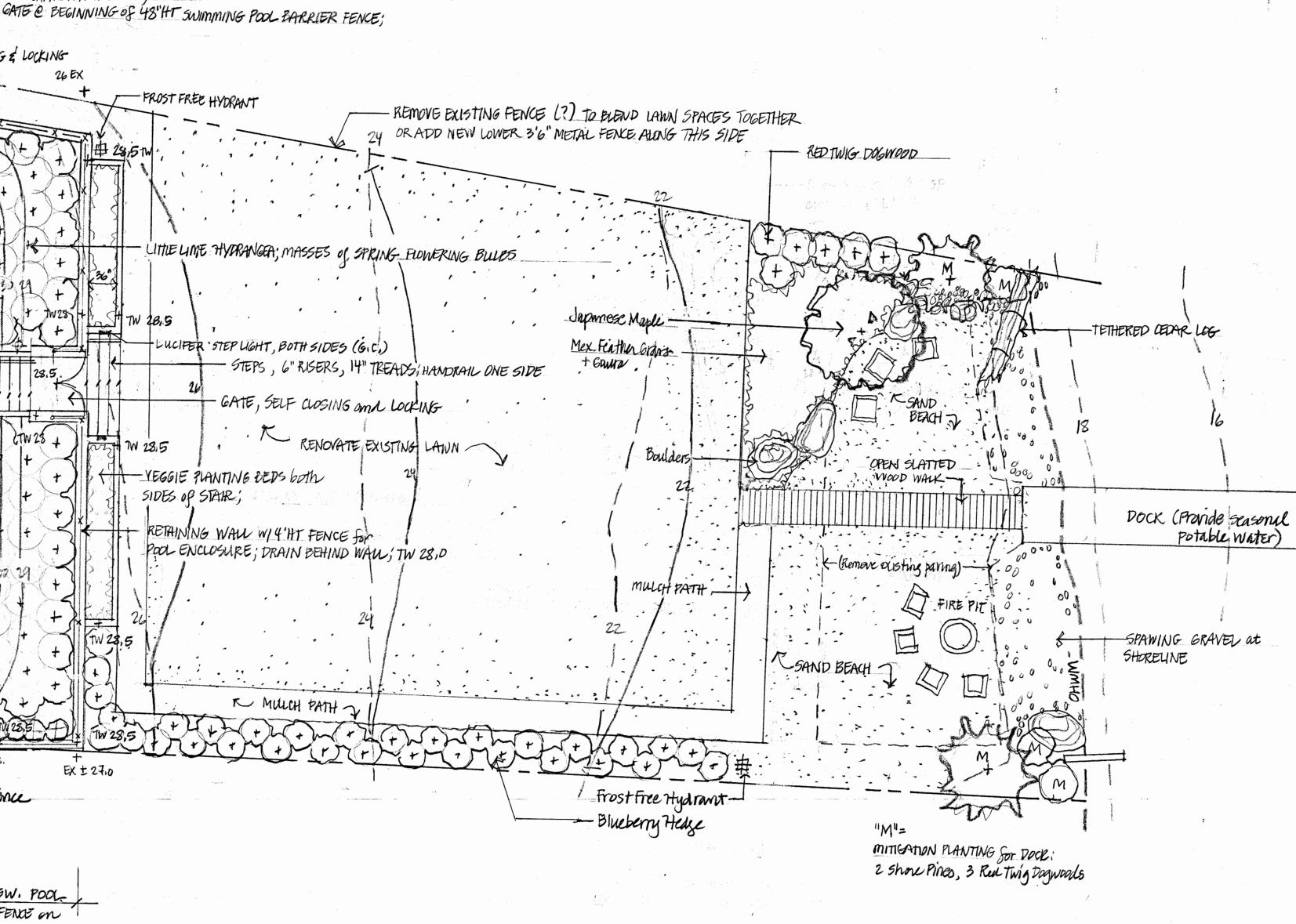
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Landscape Plan - South

L-2.0



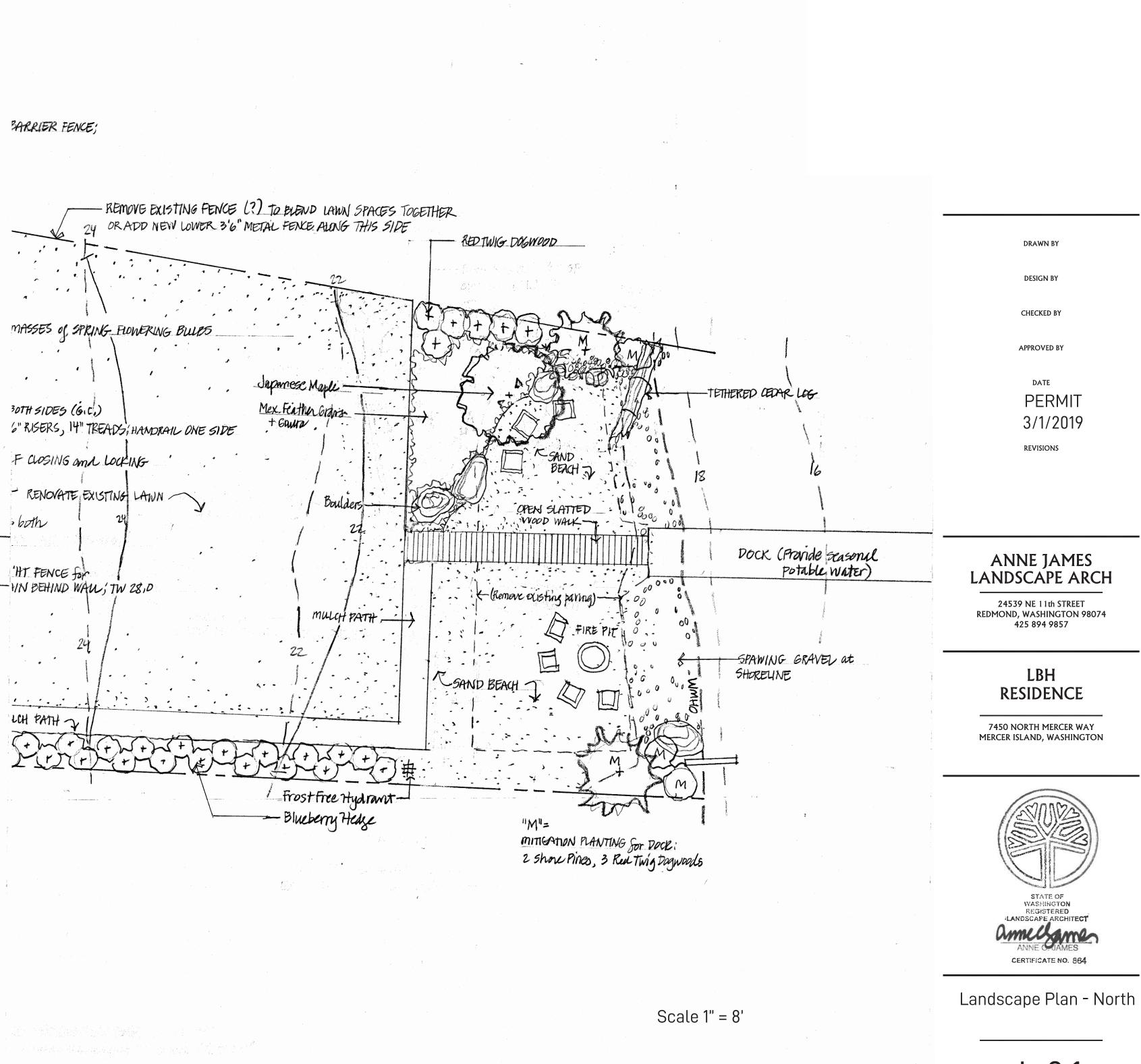
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MIN (APPROX, END SHOWN) GATE & BEGINNING OF 48"HT SWIMMING POOL BARRIER FENCE;

ONC, CURB

1 (

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L-2.1

LBH

Quantity	Size	Latin Name	Common Name	Spacing	Notes
TREES	40/42/11				
1	10'12' ht	Acer specimen TBD	Japanese Maple Specimen		Shoreline shade tree
5	4" caliper	Cercidiphyllum japonicum	Katsura		Matched Specimens for driveway
5	12' ht	Chamaecyparis obtuse "Gracilis"	Slender Hinoki Cypress		Screening east of entry
1	3" caliper	Cornus kousa	Chinese dogwood		South of garage
7	16'-18' ht., multistemmed or low branched	Magnolia virginiana Jim Wilson "Moonglow"	Moonglow Sweetbay Magnolia		Screening east of pool
5 4	4" caliper 10'-12' ht. multi- stemmed clumps	Stewartia monadelpha Lagerstroemia variety TBD, possible Osage (light pink)	Red bark Stewartia Crape Myrtle		Specimens at front entry bed Around spa; low growing variety to 20' max.;
SHRUBS	•				
1	15 gallon, espaliered	Camellia s. 'Setsugekka'	Espaliered Setsugekka Camellia		Against garage near entry link
6	5 gallon	Cornus sericea "Bayleyi"	Red Twig Dogwood		3 as mitigation planting at shoreline, rest nearby
6	30"36" ht and spread	Daphne transatlantica "Blafra" Eternal Fragrance	Hybrid Daphne		Front entry
200	2 gallon	Gaultheria shallon	Salal	24"	Place in field; groundcover west side of house, south of garage
84	5 gallon	Hydrangea "Little Lime"	Little lime hydrangea		64 north of pool, 20 along driveway
15	5 gallon	Myrica californica	Pacific Wax Myrtle		South property line – see plan
5	8'-10' ht,	Osmanthus	Sweet Olive		Screening east property line at upper
10	loose form 5 gallon	burkwoodii Ribes sanguinium	Red Flowering Currant	48″	terrace
	I				
140	2 gallon	Sarcococca humilis hookeriana	Dwarf Sweet Box	18"	Place in field
7	5 gallon	Syringa "Angel White"	Lilac		West side of terrace
40 LF	4' ht.	Taxus x. media "Hicksii"	Hicks Yew		Entry area
110 LF	6' Ht.	Taxus x. media "Hicksii"	Hicks Yew		East and west of gate columns 20 LF; 90 LF East PL east of pool
36	5 gallon	Vaccinium varieties TBD	Blueberries	36″	
12	4'-5' ht	Viburnum tomentosum "Mariesii"	Doublefile viburnum		
GROUND COVERS, VINES and PERENNIALS					
100	1 gallon	Perennials TBD			Daylilies, perennial geraniums, peonies, iris, Japanese anemone
40	1 gallon	Gaura lindheimeri "Whirling Butterflies"	White Wand Flower		
12	1 gallon	Helleborus "Jacob"	Jacob Hellebore	18"-24"	Place in field
12	1 gallon	Hellebore Winter Jewel "Onyx Odyssey"	Onyx Odyssey Hellebore		Place in field
3	5 galllon	Hydrangea petiolaris	Climbing hydrangea		North facing stucco wall south of spa
1500	4" pots	Liriope spicata	Mondo Grass	12"	
120	1 gallon	Nasella tenuissima	Mexican Feather Grass		
400	1 gallon	Polystichum munitum	Sword Fern	24"	
50	5 gallon	Trachelospermum jasminoides	Star Jasmine, Bush form	24"	Groundcover under Crape Myrtles at spa

MITIGATION PLANTING FOR DOCK WORK

_					
	2	8'-10' ht.	Pinus contorta	Shore Pine	Doc
					to b
	3	5 gallon	Cornus sericea	Red Twig Dogwood	Doc
					to b

ock mitigation planting at shoreline – be planted within 10' of shoreline ock mitigation planting at shoreline – be planted within 10' of shoreline

Planting Notes

- 1. Landscape contractor shall verify location of all site utilities with general contractor prior to landscape implementation.
- 2. Prior to commencing with any work, landscape contractor to set up a pre-installation meeting to discuss installation procedures and coordination issues. At a minimum, attendees to include landscape architect, landscape contractor, and general contractor.
- 3. All plant material to be healthy and free of disease. Plant stock must conform to American Nurseryman standards and general horticultural practices. All trees shall be specimen quality. All plants shall be nursery grown and shall be of type, size, and condition specified. The plants shall exhibit normal habits of growth for their species. They shall have buds intact and shall be free of disease, insects, scars, bruises, breaks, etc.
- 4. All plants shall be selected and approved by the landscape architect prior to planting, through a combination of nursery visits and review of plant samples and photographs.
- 5. Coordinate plant locations with existing / proposed utilities, fencing, sprinkler systems, and other site appurtenances to avoid conflicts.
- 6. General contractor to verify that subgrade is properly prepared before landscape contractor begins with finish grading and importation of topsoil. This includes removing all construction debris to full depth. The general contractor should verify that the subgrade in planting areas has not been compacted by construction activity. If subgrade is compacted, it should be loosened by the general contractor to 90% compaction within the top 18".
- 7. Landscape contractor to scarify the subgrade of all new planting areas to a depth of ±6" before placing topsoil using a rototiller or other appropriate equipment to achieve the specified depths. In areas where scarifying may damage existing tree roots, review conditions in the field with the landscape architect. After scarifying, remove all sticks, stones, etc., larger than 1/2" in any dimension. Mix topsoil or compost (depending on location) into subgrade layer a minimum of 3" by rototilling or other means.
- 8. Planting soil and amendments:
 - a. New planting soil: topsoil to depths as follow:
 - a. Lawn areas 70/30 mix 12" deep
 - b. Shrub Beds Planting Soil, 60/40 or 50/50, 24" deep, if conditions allow; review with LA.
 - c. Tree planting beds Planting soil 36" deep, if conditions allow; review with LA.
 - b. Renovated planting beds with new plantings: Amend with 3" depth compost and ground kelp at 1lb per SF, dug or tilled in to a depth of 3", except in areas of tree roots, where it should be incorporated in gently by hand.
 - c. All planting beds to receive 2" depth of fine bark mulch.
- 9. Inoculate new plantings and existing trees with microbial tea after installation but before mulching.
- 10.Container plants shall be well established but not root bound. If roots encircle themselves in the pots, the roots shall be loosened and/or sliced through to encourage natural outward growth.
- 11.Contractor shall provide and plant the numbers of plants listed or shown on the plans whichever is greater.
- 12.No plant substitutions (size or variety) or omissions unless approved in writing by landscape architect.
- 13.All shrubs and trees to be laid out for approval or final planting location by landscape architect before planting.
- 14.Plant groundcover on triangular spacing. Plant shrubs as shown on plans or as directed by landscape architect.

DRAWN BY

DESIGN BY

CHECKED BY

APPROVED BY

DATE PERMIT 3/1/2019

REVISIONS



24539 NE 11th STREET REDMOND, WASHINGTON 98074 425 894 9857



7450 NORTH MERCER WAY MERCER ISLAND, WASHINGTON



Planting Schedule and Planting Notes

_-2.2

CRITERIA

- 1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE 12. DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDI DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2015 EDITION).
- 2. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, THE INTERNATIONAL BUILDING CODE (2015 EDITION). THIS STRUCTURE DOES NOT CONFORM TO PRESENT EARTHQUAKE CODE REQUIREMENTS. IT HAS BEEN ANALYZED AND REINFORCED FOR MINIMUM MAINTENANCE IN ACCORDANCE 13. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER WITH INTERNATIONAL EXISTING BUILDING CODE. AND IS WITHIN THE CURRENT PRACTICE FOR THE RENOVATION OF EXISTING BUILDINGS OF THIS AGE AND TYPE OF CONSTRUCTION.
- . DESIGN LOADING CRITERIA: RESIDENTIAL - ONE AND TWO-FAMILY DWELLINGS
- DEFLECTION CRITERIA
- ENVIRONMENTAL LOADS SNOW Ce=1.0, Is=1.0, Ct=1.1, Pg=25 PSF, Pf=20 PSF EARTHQUAKE . ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE LATERAL SYSTEM: LIGHT FRAMED SHEAR WALLS,
 - SITE CLASS=D, Ss=136, Sds=91, S1=53, SD1=53, Cs=0. 140 SDC D, Ie=1.0, R=6.5
- 4. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATION. THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK.
- . PRIMARY STRUCTURAL ELEMENTS NOT DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS SHALL BE LOCATED BY THE ARCHITECTURAL PLANS AND DETAILS. VERTICAL DIMENSION CONTROL IS DEFINED BY THE ARCHITECTURAL WALL SECTIONS, BUILDING SECTION, AND PLANS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTORS WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING 18. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT. SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER. CONTRACTORS. OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.
- CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. CONFORM TO ASCE 37-14 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION".
- 8. CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.
- 9. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN. SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED. SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. ALL TYPICAL NOTES AND DETAILS SHOWN ON DRAWINGS SHALL APPLY, UNLESS NOTED OTHERWISE. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE TYPICAL DETAILS ARE NOTED ON THE PLANS, THE SPECIFIED TYPICAL DETAIL SHALL BE USED. WHERE NO TYPICAL DETAIL IS NOTED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE THE APPROPRIATE TYPICAL DETAIL FROM THOSE PROVIDED OR REQUEST ADDITIONAL INFORMATION. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ALTERNATE TYPICAL DETAILS TO THOSE PROVIDED WITH RELATED CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO SHOP DRAWING PRODUCTION AND FIELD USE.
- 10. ALL STRUCTURAL SYSTEMS, WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED, SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, 22. EXPANSION BOLTS INTO CONCRETE SHALL BE "STRONG-BOLT 2" WEDGE ANCHORS AS DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.

GEOTECHNICAL

- 11. FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED SOILS ENGINEER OR APPROVED BY THE BUILDING OFFICIAL. IF SOILS ARE FOUND TO BE OTHER THAN 23. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.
- FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.
- BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

RENOVATION

- COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUF CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE W DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD STRUCTURE. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITI EXISTING FLOOR SYSTEMS TO 40 PSF.
- CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDEL MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT ENGINEER IF EXISTING CONDITIONS DETERMINED DURING WORK W EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS.
- 14. CONTRACTOR SHALL CHECK FOR DRY ROT AT ALL AREAS OF NEW WO SHALL BE REMOVED AND DAMAGED MEMBERS SHALL BE REPLACED OF DIRECTED BY THE STRUCTURAL ENGINEER OR ARCHITECT.

CONCRETE

- 15. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED WITH ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL AT STRENGTH OF f'c = 3,000 PSI AND MIX SHALL CONTAIN NOT LES SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED SLUMP OF 5" OR LESS. REQUIRED CONCRETE STRENGTH IS BASED ON REQUIREMENTS OF SECTION 1904 OF THE IBC. DESIGN STRENGTH I PSI.
- 16. ALL CONCRETE WITH SURFACES EXPOSED TO WEATHER OR STANDING W AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO AS AND C618. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE ACCORDANCE WITH ACI 318, TABLE 19.3.2.1 MODERATE EXPOSURE, F1
- 17. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) ACCORDANCE WITH ACI 315-99 AND 318-11. LAP ALL CONTINUOUS #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE C ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND DIAMETERS OR 2'-O" MINIMUM. LAPS OF LARGER BARS SHALL ACCORDANCE WITH ACI 318-11, CLASS B. LAP ADJACENT MATS OF FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.
- NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIEL SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINE
- FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANE
- FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS OR LARGE FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALL SLABS AND WALLS (INT. FACE). . . GREATER OF BAR DIAMETER PLUS
- 19. CONCRETE WALL REINFORCING--PROVIDE THE FOLLOWING UNLE OTHERWISE:
- 6" WALLS #4 @ 16 HORIZ. #4 @ 18 VERTICAL 1 CURT 8" WALLS #4 @ 12 HORIZ. #4 @ 18 VERTICAL 1 CURT
- 20. CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE WALLS. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES. BOTH CAST-IN-PLACE AND PRECAST.
- 21. 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).

ANCHORAGE

- MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY AND INSTALLED IN STRICT CONFORMANCE TO ICC-ES REPORT NUMBER ESR-3037, INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. BOLTS INTO CONCRETE MASONRY OR BRICK MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. PERIODIC SPECIAL INSPECTION IS REQUIRED TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR LOCATION, TIGHTENING TORQUE, HOLE DIMENSIONS. ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS.
- DRAWINGS SHALL BE INSTALLED USING "SET-XP" HIGH STRENGTH EPOXY AS MANUFACTURED BY THE SIMPSON STRONG, TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2508. MINIMUM BASE MATERIAL TEMPERATURE IS 50 DEGREES, F. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED. PERIODIC SPECIAL INSPECTION OF INSTALLATION IS REQUIRED TO VERIFY ANCHOR OR EMBEDED BAR TYPE AND DIMENSIONS, LOCATION, ADHESIVE IDENTIFICATION AND EXPIRATION, HOLE DIMENSIONS, HOLE CLEANING PROCEDURE, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR HORIZONTAL AND OVERHEAD INSTALLATIONS.
- "TITEN HD" HEAVY DUTY SCREW ANCHOR AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INSTALLED IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2713 (CONCRETE), NO. ESR-1056 (CMU), INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. SCREW ANCHORS INTO CONCRETE MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED.

STEEL

ITIONS BEFORE PPORT EXISTING ORK SEQUENCES. D THE EXISTING ON DEBRIS) ON R SIZES, AND G OF EXISTING INES ONLY AND AND STRUCTURAL (ARY FROM THE DRK. ALL ROT R REPAIRED AS	 25. STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION SHALL BE BASED ON: A. AISC 360 AND SECTION 2205.2 OF THE INTERNATIONAL BUILDING CODE. B. APRIL 14, 2010 AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES AMENDED AS FOLLOWS: AS NOTED IN THE CONTRACT DOCUMENTS, BY THE DELETION OF PARAGRAPH 4. 4. 1, AND REVISE REFERENCE FROM "STRUCTURAL DESIGN DRAWINGS" TO "CONTRACT DOCUMENTS" IN PARAGRAPH 3. 1. C. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. 26. WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A992, FY = 50 KSI. OTHER ROLLED SHAPES INCLUDING PLATES, SHALL CONFORM TO ASTM A36, FY = 36 KSI. STEEL PIPE SHALL CONFORM TO ASTM A-53, TYPE E OR S, GRADE B, FY = 35 KSI. STRUCTURAL TUBING SHALL CONFORM TO ASTM A500, GRADE B, FY = 42 KSI (ROUND), FY = 46 KSI (SQUARE AND RECTANGULAR). CONNECTION BOLTS SHALL CONFORM TO ASTM A307. 27. ALL STEEL EXPOSED TO THE WEATHER OR IN CONTACT WITH GROUND SHALL BE CORROSION PROTECTED BY GALVANIZATION OR PROVIDED WITH EXTERIOR PAINT SYSTEM, UNLESS OTHERWISE NOTED. 	 35. ALL WOOD PRESSURE – IMPREGNATE CONCRETE (36. PRESERVAT CATEGORY FOR ABOVE CONTACT W USE IN PER 37. FASTENERS CORROSION NOTED. WOOD TREAT HAS NO AMM CONTAINS (
IN ACCORDANCE TTAIN A 28-DAY SS THAN 5-1/2 TO PRODUCE A THE DURABILITY	 28. SHOP PRIME ALL STEEL EXCEPT: A. STEEL ENCASED IN CONCRETE. B. SURFACES TO BE WELDED. C. CONTACT SURFACES AT HIGH-STRENGTH BOLTS. D. MEMBERS TO BE GALVANIZED. 	CONTAINS / CONTAINS / AZCA INTERIOR WOOD MOIS
S f' c = 2,500 ATER SHALL BE	E. MEMBERS WHICH WILL BE CONCEALED BY INTERIOR FINISHES. F. SURFACES TO RECEIVE SPRAYED FIREPROOFING. G. SURFACES TO RECEIVE OTHER SPECIAL SHOP PRIMERS.	EXTERIOR I SHALL BE RECOMMEND/
l.	 29. ALL ANCHORS EMBEDDED IN MASONRY OR CONCRETE SHALL BE A307 HEADED BOLTS OR A36 THREADED ROD WITH AN ASTM 563 HEAVY HEX NUT TACK WELDED ON THE EMBEDDED END. 20. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL 	38. TIMBER CON BY SIMPS EQUIVALEN THEY HAVE
SHALL BE IN REINFORCEMENT CORNER BARS AT SMALLER 40 BAR BE MADE IN F WELDED WIRE	30. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO CERTIFIED WELDERS USING E70XX ELECTRODES. ONLY PREQUALIFIED WELDS (AS DEFINED BY AWS) SHALL BE USED. ALL COMPLETE JOINT PENETRATION GROOVE WELDS SHALL BE MADE WITH A FILLER MATERIAL THAT HAS A MINIMUM CVN TOUGHNESS OF 20 FT-LBS AT -20 DEGREES F AND 40 FT - LBS AT 70 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.	NUMBER AND CARRYING MANUFACTUF ALL 2X JO HANGERS. SERIES JO BEAMS WITF
LD BENT UNLESS EER.	WOOD	WHERE CO
S FOLLOWS: ENTLY EXPOSED 3"	31. FRAMING LUMBER SHALL BE S-DRY, KD, OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH WCLIB STANDARD "GRADING RULES FOR WEST COAST LUMBER NO. 17", OR WWPA STANDARD, "WESTERN LUMBER GRADING RULES 2011". FURNISH TO THE FOLLOWING MINIMUM STANDARDS:	OR BOLTS I ALL SHIMS MEMBERS CO
ER) 2" ER) 1-1/2" 1-1/2" S 1/8" OR 3/4"	JOISTS (2X & 3X MEMBERS) HEM-FIR NO. 2 AND BEAMS (4X MEMBERS) HEM-FIR NO. 2 MINIMUM BASE VALUE, Fb = 850 PSI DOUGLAS FIR-LARCH NO. 1	39. WOOD FASTE A. NAIL SIZ SPECIFIC
ESS DETAILED	MINIMUM BASE VALUE, Fb = 1000 PSI BEAMS (INCL. 6X AND LARGER) DOUGLAS FIR-LARCH NO. 1	SIZE 6d 8d
TAIN TAIN	POSTS (4X MEMBERS) POSTS (4X MEMBERS) DOUGLAS FIR-LARCH NO. 2 MINIMUM BASE VALUE, Fc = 1350 PSI	10d 12d 16d B0)

(6X AND LARGER)

DOUGLAS-FIR-LARCH OR HEM-FIR NO. 2 STUDS, PLATES & MISC. FRAMING:

DOUGLAS FIR-LARCH NO. 1

MINIMUM BASE VALUE, Fc = 1000 PSI

- 32. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND ANSI/AITC STANDARDS. EACH MEMBER SHALL BEAR AN AITC OR APA-EWS IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN AITC OR APA-EWS CERTIFICATE OF CONFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv =265 PSI. ALL CANTILEVERED BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2400 PSI, Fv = 265 PSI.
- 33. MANUFACTURED LUMBER, PSL, LVL, AND LSL SHOWN ON PLAN ARE BASED PRODUCTS MANUFACTURED BY THE WEYERHAEUSER CORPORATION IN ACCORDANCE WITH ICC-ES REPORT ESR-1387. MEMBERS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

PSL (2.0E)	Fb = 2900 PSI,	E = 2000 KSI,	Fv = 290 PSI
LVL (2.0E)	Fb = 2600 PSI,	E = 2000 KSI,	Fv = 285 PSI
LSL (1.55E)	Fb = 2325 PSI,	E = 1550 KSI,	Fv = 310 PSI

- ALTERNATE MANUFACTURED LUMBER MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE MANUFACTURER'S PRODUCTS SHALL BE COMPATIBLE WITH THE JOIST HANGERS AND OTHER HARDWARE SPECIFIED ON PLANS. OR ALTERNATE HANGERS AND HARDWARE SHALL SUBMITTED FOR REVIEW AND APPROVAL. SUBSTITUTED ITEMS SHALL HAVE ICC-ES REPORT APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES.
- MANUFACTURED LUMBER PRODUCTS SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%. EXCESSIVE DEFLECTIONS MAY OCCUR IF MOISTURE CONTENT EXCEEDS THIS VALUE.
- 34. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DOC PS 1 OR PS 2. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD.

ROOF SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 32/16.

FLOOR SHEATHING SHALL BE 3/4" (NOMINAL) WITH SPAN RATING 48/24.

WALL SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 24/0.

PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING.

REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING REQUIREMENTS.

- IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE 41. WOOD FRAMING NOTES--THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE TREATED WITH AN APPROVED PRESERVATIVE OR (2) LAYERS OF ASPHALT PLANS: ED BUILDING PAPER SHALL BE PROVIDED BETWEEN UNTREATED WOOD AND A. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE OR MASONRY.
- IVE TREATED WOOD SHALL BE TREATED PER AWPA STANDARD U1 TO THE USE EQUAL TO OR HIGHER THAN THE INTENDED APPLICATION. TREATED WOOD GROUND USE SHALL BE TREATED TO AWPA UC3B. WOOD IN CONTINUOUS VITH FRESH WATER OR SOIL SHALL BE TREATED TO AWPA UC4A. WOOD FOR RMANENT FOUNDATIONS SHALL BE TREATED TO AWPA UC4B.

AND TIMBER CONNECTORS USED WITH TREATED WOOD SHALL HAVE RESISTANCE AS INDICATED IN THE FOLLOWING TABLE. UNLESS OTHERWISE

WOOD TREATMENT HAS NO AMMONIA CARRIER CONTAINS AMMONIA CARRIER	CONDITION INTERIOR DRY INTERIOR DRY	PROTECTION G90 GALVANIZE G185 OR A185 H CONTINUOUS HO PER ASTM A653
CONTAINS AMMONIA CARRIER	INTERIOR WET	TYPE 304 OR 3
CONTAINS AMMONIA CARRIER	EXTERIOR	TYPE 304 OR 3
AZCA	ANY	TYPE 304 OR 3

DRY CONDITIONS SHALL HAVE WOOD MOISTURE CONTENT LESS THAN 19%. STURE CONTENT IN OTHER CONDITIONS (INTERIOR WET, EXTERIOR WET, AND DRY) IS EXPECTED TO EXCEED 19%. CONNECTORS AND THEIR FASTENERS THE SAME MATERIAL. COMPLY WITH THE TREATMENT MANUFACTURERS DATIONS FOR PROTECTION OF METAL.

)NNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" SON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C-2015. DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED ICC-ES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE ND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER FOR MAXIMUM LOAD CAPACITY. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE JRER'S RECOMMENDATIONS.

OISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST ALL TJI JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "ITS" OIST HANGERS. ALL DOUBLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH TH "MIT" SERIES JOIST HANGERS.

ONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS IN EACH MEMBER.

SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM)AS CONNECTED.

ENERS

IZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING ICATIONS:

SIZE	LENGTH	DIAMETER
6d	2"	0. 113"
8d	2-1/2"	0. 131"
10d	3"	0. 148"
12d	3-1/4"	0. 148"
16d B0X	3-1/2"	0. 135"

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 – PLYWOOD (APA RATED SHEATHING) FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO COUNTERSINKING PERMITTED. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DIGRESS WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END.

B. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG BOLTS BEARING ON WOOD. INSTALLATION OF LAG BOLTS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH A LEAD BORE HOLE OF 60 TO 70 PERCENT OF THE SHANK DIAMETER. LEAD HOLES ARE NOT REQUIRED FOR 3/8" AND SMALLER LAG SCREWS.

40. NOTCHES AND HOLES IN WOOD FRAMING:

- A. NOTCHES ON THE ENDS OF SOLID SAWN JOISTS AND RAFTERS SHALL NOT EXCEED ONE-FOURTH THE JOIST DEPTH. NOTCHES IN THE TOP OR BOTTOM OF SOLID SAWN JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. HOLES BORED IN SOLID SAWN JOISTS AND RAFTERS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOIST. AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE JOIST.
- B. IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD IS PERMITTED TO BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH IS PERMITTED TO BE BORED IN ANY WOOD STUD. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8 INCH TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH.
- C. NOTCHES AND HOLES IN MANUFACTURED LUMBER AND PREFABRICATED PLYWOOD WEB JOISTS SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE NOTED.

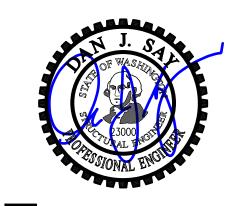
- HOT DIPPED OR HOT-GALVANIZED 316 STAINLESS 316 STAINEESS
- 316 STAINLESS

- MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE, THE AITC "TIMBER CONSTRUCTION MANUAL" AND THE AF&PA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION". MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO IBC TABLE 2304. 10. 1. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.
- B. WALL FRAMING: REFER ARCHITECTURAL DRAWINGS FOR THE SIZE OF ALL WALLS. ALL STUDS SHALL BE SPACED AT 16" O.C. UNO. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS, AND AT BEAM OR HEADER BEARING LOCATIONS. TWO 2x8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. PROVIDE CONTINUOUS SOLID BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 10'-0" IN HEIGHT.
- ALL 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 @ 12" O.C. AND LAP MINIMUM 4'-O" AT JOINTS AND PROVIDE EIGHT 16d NAILS @ 4" O.C. EACH SIDE JOINT.
- ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH TWO ROWS OF 16d NAILS @ 12" ON-CENTER, OR ATTACHED TO CONCRETE BELOW WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'-0" ON-CENTER EMBEDDED 7" MINIMUM, UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH TWO ROWS OF 16d @12' ON-CENTER. UNLESS OTHERWISE NOTED, GYPSUM WALLBOARD SHALL BE FASTENED TO THE INTERIOR SURFACE OF ALL STUDS AND PLATES WITH NO. 6 X 1-1/4' TYPE S OR W SCREWS @ 8" ON-CENTER. UNLESS INDICATED OTHERWISE, 1/2' (NOMINAL) APA RATED SHEATHING (SPAN RATING 24/0) SHALL BE NAILED TO ALL EXTERIOR SURFACES WITH 8d NAILS @ 6" ON-CENTER AT PANEL EDGES AND TOP AND BOTTOM PLATES (BLOCK UN-SUPPORTED EDGES) AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH 8d NAILS @ 12" ON-CENTER ALLOW 1/8" SPACING AT ALL PANEL EDGES AND PANEL ENDS.
- C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. TOE-NAIL JOISTS TO SUPPORTS WITH TWO 16d NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTI JOIST BEAMS TOGETHER WITH TWO ROWS 16d @ 12" ON-CENTER.
- UNLESS OTHERWISE NOTED ON THE PLANS, PLYWOOD ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED AT 6' ON-CENTER WITH 8d NAILS TO FRAMED PANEL EDGES. STRUTS AND OVER STUD WALLS AS SHOWN ON PLANS AND @ 12" ON-CENTER TO INTERMEDIATE SUPPORTS PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING. TOENAIL BLOCKING TO SUPPORTS WITH 16d @ 12" ON-CENTER UNLESS OTHERWISE NOTED.



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DRAWN:	RJ
DESIGN:	KWW
CHECKED:	KMR
APPROVED:	DJS

REVISIONS:

PROJECT TITLE

LBH Residence

7450 North Mercer Way Mercer Island, WA

ARCHITECT:

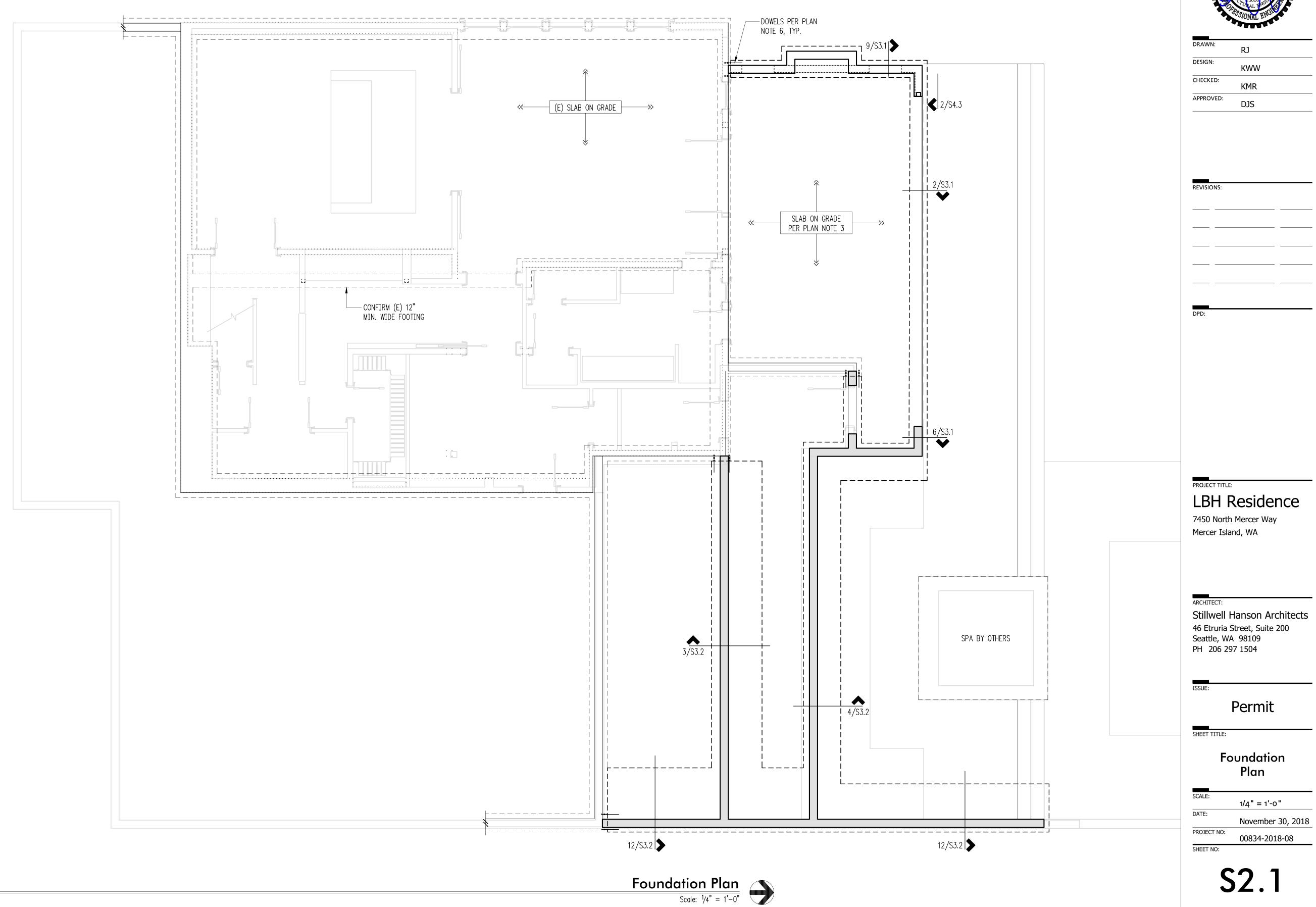
Stillwell Hanson Architects 46 Etruria Street, Suite 200 Seattle, WA 98109 PH 206 297 1504

Permit

SHEET TITLE: General Structural Notes

SCALE:

DATE: November 30, 2018 PROJECT NO: 00834-2018-08 SHEET NO:





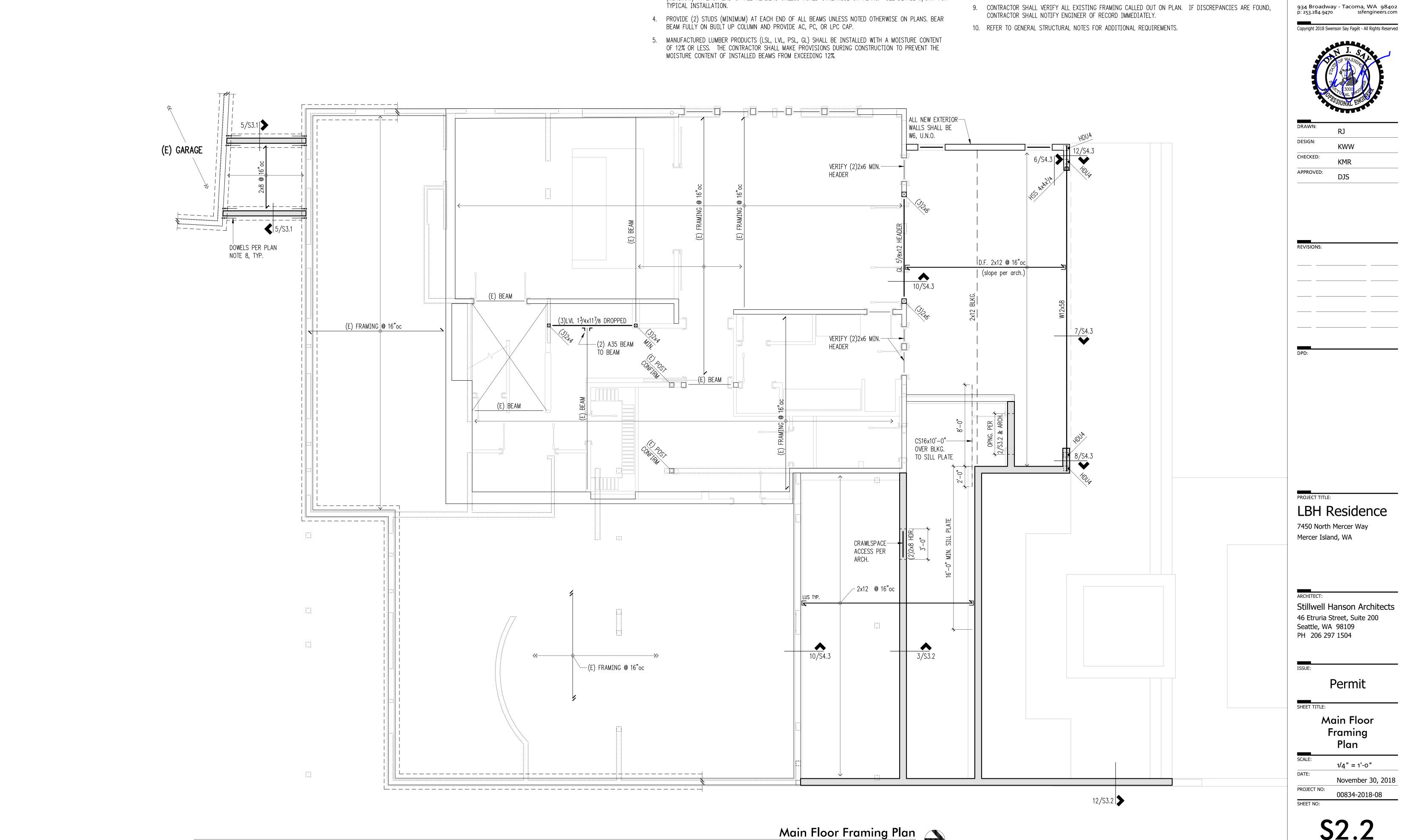
Plan Notes

- 1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- 2. THE BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE 18" MINIMUM BELOW GRADE.
- 3. 4" CONCRETE SLAB OVER 6 MIL VAPOR BARRIER ON 4" OF GRAVEL OR CRUSHED ROCK OVER FIRM UNDISTURBED SOIL OR ENGINEERED COMPACTED BACK-FILL. REINFORCE #3 AT 16"OC EACH WAY, CENTERED. PROVIDE CONSTRUCTION/CONTROL JOINTS PER DETAIL 12/S3.1.
- 4. PROVIDE CORNER BARS PER DETAIL 8/S3.1 AT ALL WALL AND FOOTING INTERSECTIONS.
- 5. ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE CONTINUOUS FULL BEARING THROUGH FLOORS TO THE FOUNDATION.
- 6. PROVIDE EPOXY GROUTED #4 X 2'-6" DOWELS EMBEDDED A MINIMUM OF 6" IN TO EXISTING CONCRETE TO MATCH NEW HORIZONTAL REINFORCING. TYPICAL WHERE NEW CONCRETE WALL OR FOOTING TERMINATES AT EXISTING CONCRETE. EPOXY GROUT PER GENERAL STRUCTURAL NOTES.
- 7. CONTRACTOR SHALL VERIFY ALL EXISTING FRAMING CALLED OUT ON PLAN. IF DISCREPANCIES ARE FOUND, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY.
- 8. REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



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Plan Notes

- 1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- 2. FLOOR SHEATHING SHALL BE 3/4" TONGUE AND GROOVE A.P.A. RATED PANELS (EXPOSURE 1, SPAN RATING 48/24). GLUE AND NAIL AT ALL FRAMED PANEL EDGES WITH 8D AT 6" O.C. AND TO ALL INTERMEDIATE FRAMING AT 12" O.C.
- 3. HEADERS OVER DOOR AND WINDOW OPENINGS SHALL BE (2) 2X8 MINIMUM. PROVIDE (2) TRIMMER STUDS (MINIMUM) AT EACH END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE DETAIL 6/S4.1 FOR



- 6. ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE CONTINUOUS FULL BEARING THROUGH FLOORS TO THE FOUNDATION.
- 7. SPLICE ALL TOP PLATE SPLICES PER DETAIL 10/S4.1.
- 8. PROVIDE EPOXY GROUTED #4 X 2'-6" DOWELS EMBEDDED A MINIMUM OF 6" IN TO EXISTING CONCRETE TO MATCH NEW HORIZONTAL REINFORCING. TYPICAL WHERE NEW CONCRETE WALL OR FOOTING TERMINATES AT EXISTING CONCRETE. EPOXY GROUT PER GENERAL STRUCTURAL NOTES.

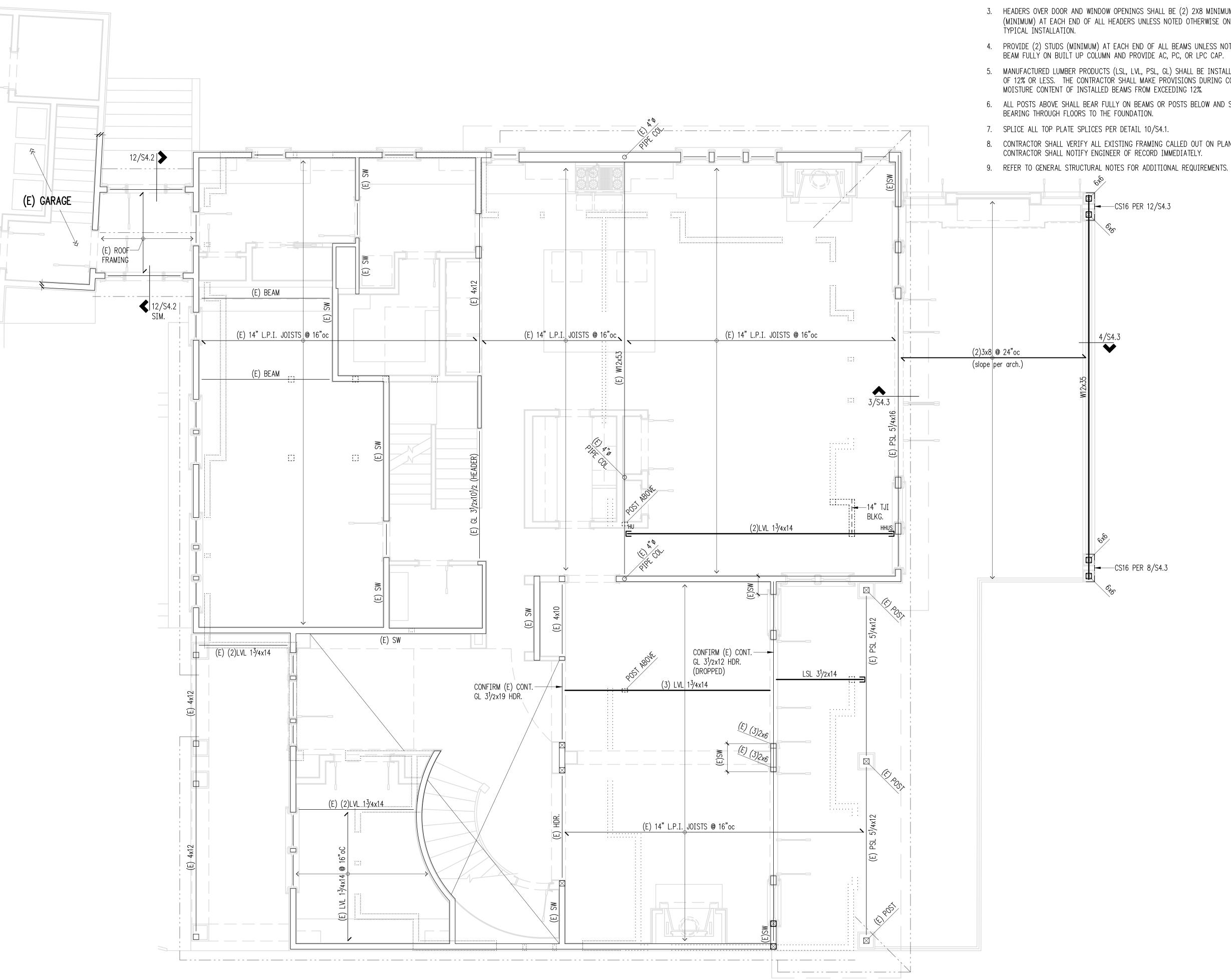
STRUCTURAL

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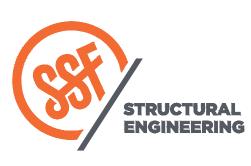


Upper Floor Framing Plan Scale: 1/4" = 1'-0"



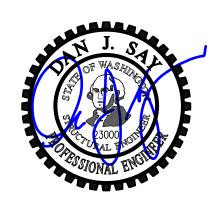
Plan Notes

- 1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- 2. FLOOR SHEATHING SHALL BE 3/4" TONGUE AND GROOVE A.P.A. RATED PANELS (EXPOSURE 1, SPAN RATING 48/24). GLUE AND NAIL AT ALL FRAMED PANEL EDGES WITH 8D AT 6" O.C. AND TO ALL INTERMEDIATE FRAMING AT 12"O.C.
- 3. HEADERS OVER DOOR AND WINDOW OPENINGS SHALL BE (2) 2X8 MINIMUM. PROVIDE (2) TRIMMER STUDS (MINIMUM) AT EACH END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE DETAIL 6/S4.1 FOR
- 4. PROVIDE (2) STUDS (MINIMUM) AT EACH END OF ALL BEAMS UNLESS NOTED OTHERWISE ON PLANS. BEAR BEAM FULLY ON BUILT UP COLUMN AND PROVIDE AC, PC, OR LPC CAP.
- 5. MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, GL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%.
- 6. ALL POSTS ABOVE SHALL BEAR FULLY ON BEAMS OR POSTS BELOW AND SHALL HAVE CONTINUOUS FULL
- 8. CONTRACTOR SHALL VERIFY ALL EXISTING FRAMING CALLED OUT ON PLAN. IF DISCREPANCIES ARE FOUND, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY.



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DRAWN:	RJ	
DESIGN:	KWW	
CHECKED:	KMR	
APPROVED:	DJS	

REVISIONS:

PROJECT TITLE: LBH Residence

7450 North Mercer Way Mercer Island, WA

ARCHITECT:

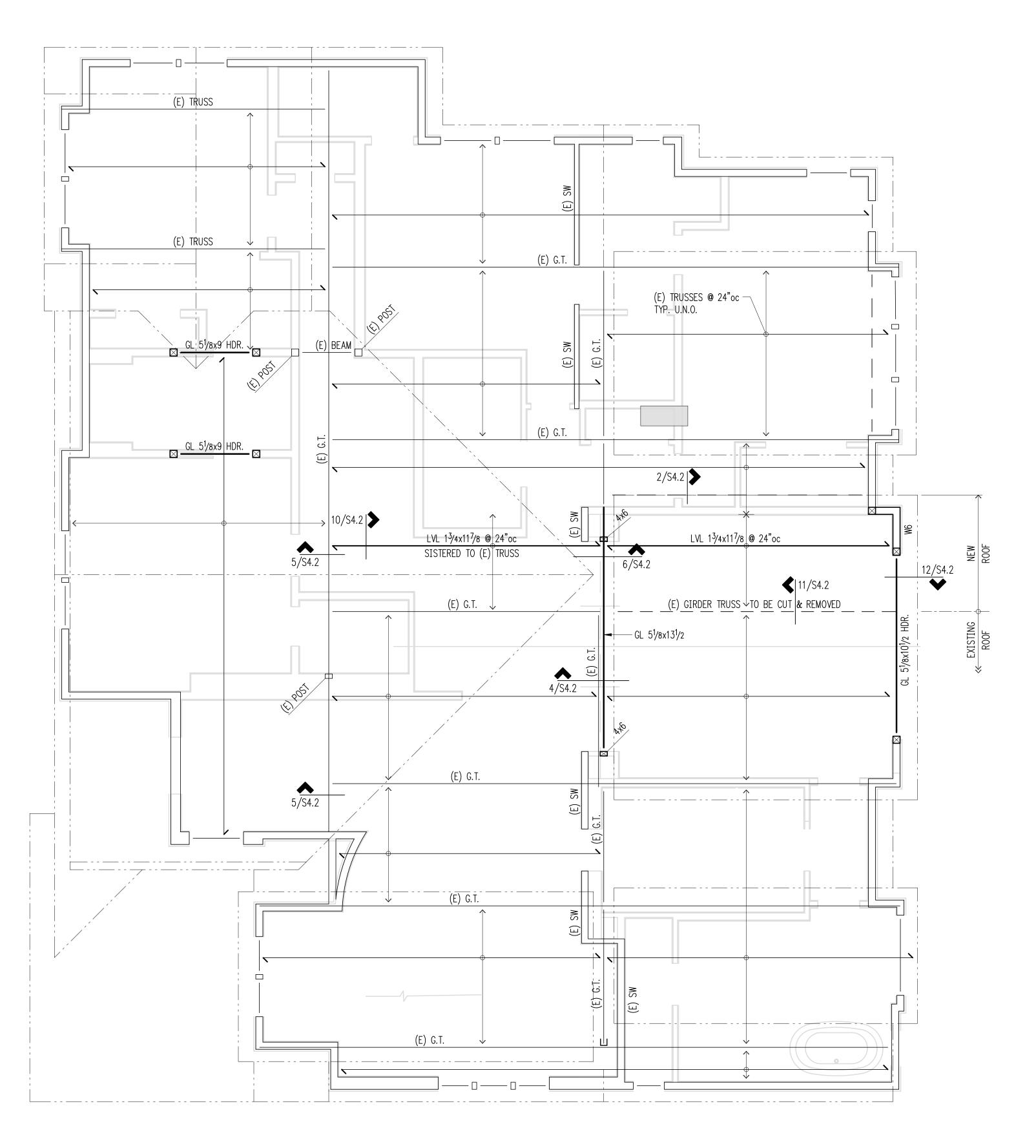
Stillwell Hanson Architects 46 Etruria Street, Suite 200 Seattle, WA 98109 PH 206 297 1504

ISSUE:

Permit

SHEET TITLE:	
•	per Floor raming Plan
SCALE:	1/4" = 1'-0"
DATE:	
	November 30, 2018
PROJECT NO:	00834-2018-08
SHEET NO:	

S2.3

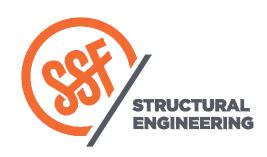






Plan Notes

- 1. DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
- 2. ROOF SHEATHING SHALL BE 1/2" A.P.A. RATED PANELS (EXPOSURE 1, SPAN RATING 32/16), FACE GRAIN PERPENDICULAR TO SUPPORTS OVER ROOF FRAMING PER PLAN. NAIL SHEATHING AT ALL FRAMED PANEL EDGES WITH 8D AT 6"O.C. AND TO ALL INTERMEDIATE FRAMING AT 12" O.C.
- 3. HEADERS OVER DOOR AND WINDOW OPENINGS SHALL BE (2) 2X8 MINIMUM. PROVIDE (2) TRIMMER STUDS (MINIMUM) AT EACH END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE DETAIL 6/S4.1 FOR TYPICAL INSTALLATION.
- 4. PROVIDE (2) STUDS (MINIMUM) AT EACH END OF ALL BEAMS UNLESS NOTED OTHERWISE ON PLANS. BEAR BEAM FULLY ON BUILT UP COLUMN AND PROVIDE AC, PC, OR LPC CAP.
- 5. PROVIDE H1 HURRICANE TIE AT EACH TRUSS/RAFTER WHERE IT BEARS ON EXTERIOR WALL.
- 6. MANUFACTURED LUMBER PRODUCTS (LSL, LVL, PSL, GL) SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%.
- 7. SPLICE ALL TOP PLATE SPLICES PER DETAIL 10/S4.1.
- 8. CONTRACTOR SHALL VERIFY ALL EXISTING FRAMING CALLED OUT ON PLAN. IF DISCREPANCIES ARE FOUND, CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD IMMEDIATELY.
- 9. (E) SW: EXISTING SHEARWALL. CONFIRM 1/2" SHEATHING WITH NAILING PER W6 ON SHEARWALL SCHEDULE (DETAIL 12/S4.1).
- 10. REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



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DRAWN:	RJ
DESIGN:	KWW
CHECKED:	KMR
APPROVED:	DJS

REVISIONS:

PROJECT TITLE:

LBH Residence

7450 North Mercer Way Mercer Island, WA

ARCHITECT:

Stillwell Hanson Architects 46 Etruria Street, Suite 200 Seattle, WA 98109 PH 206 297 1504

ISSUE

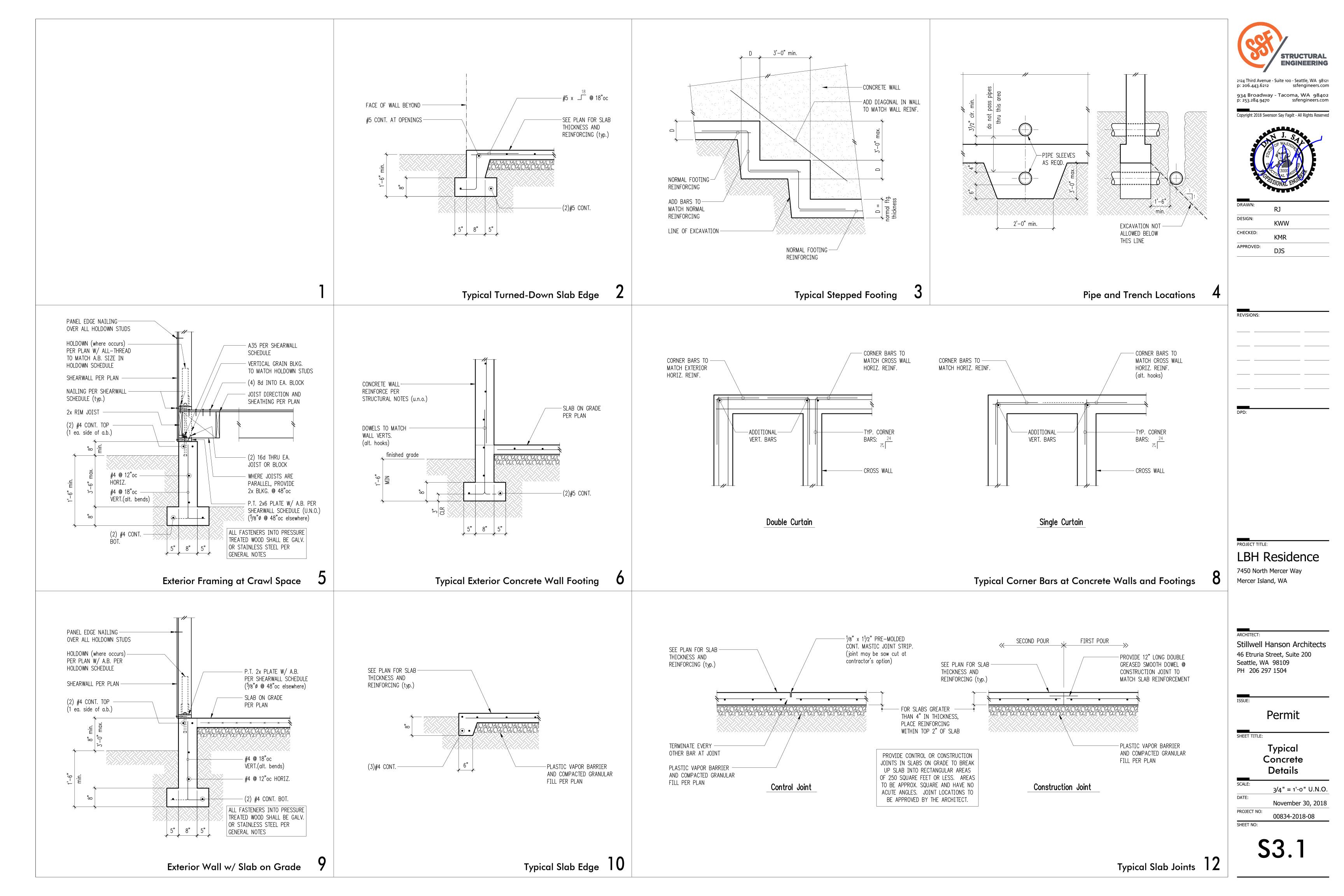
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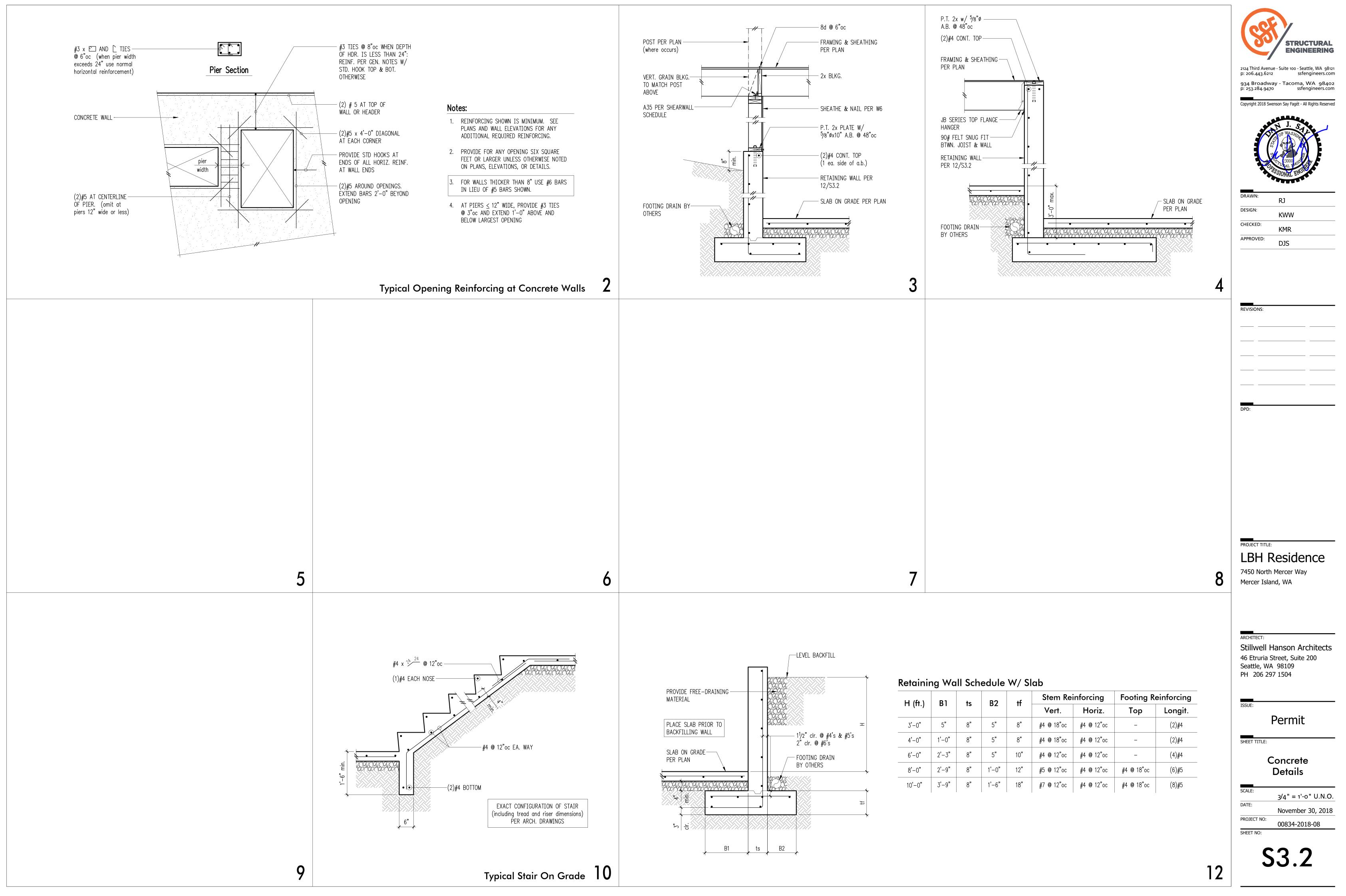
Permit

SHEET TITLE:	Roof Framing Plan
SCALE:	1/4" = 1'-0"
DATE:	November 30, 2018
PROJECT NO:	00024 2010 00

S2.4

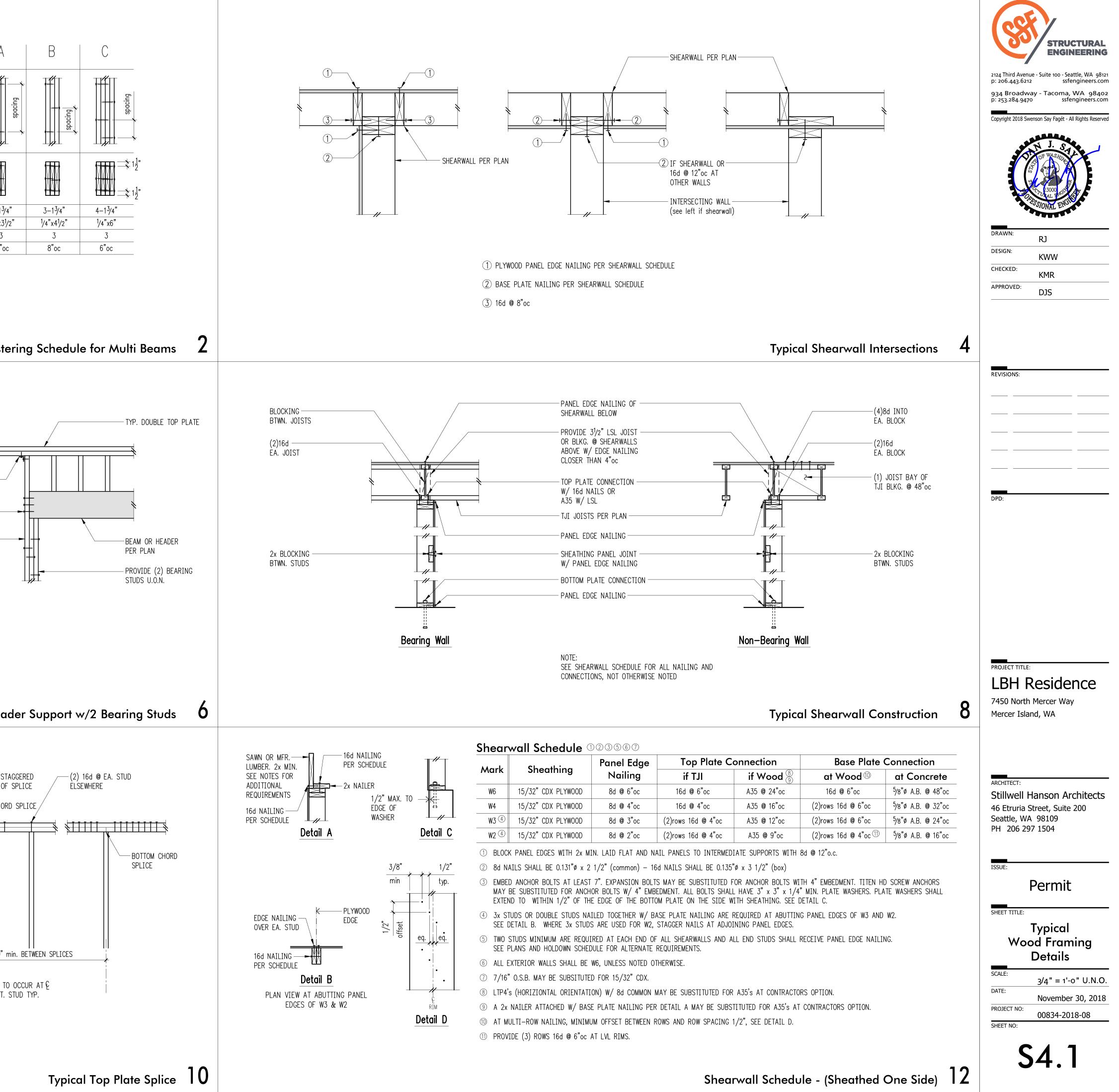
00834-2018-08

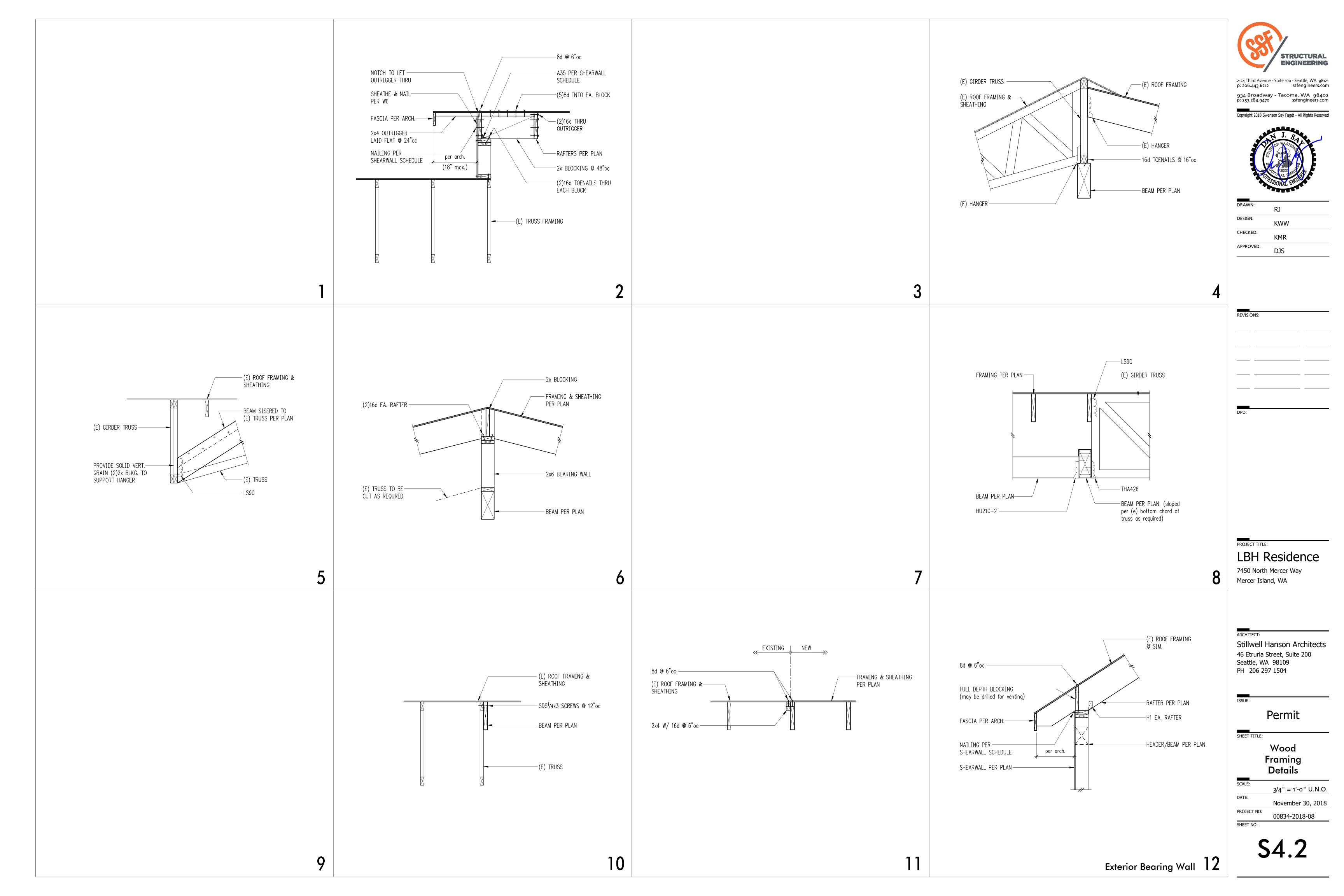


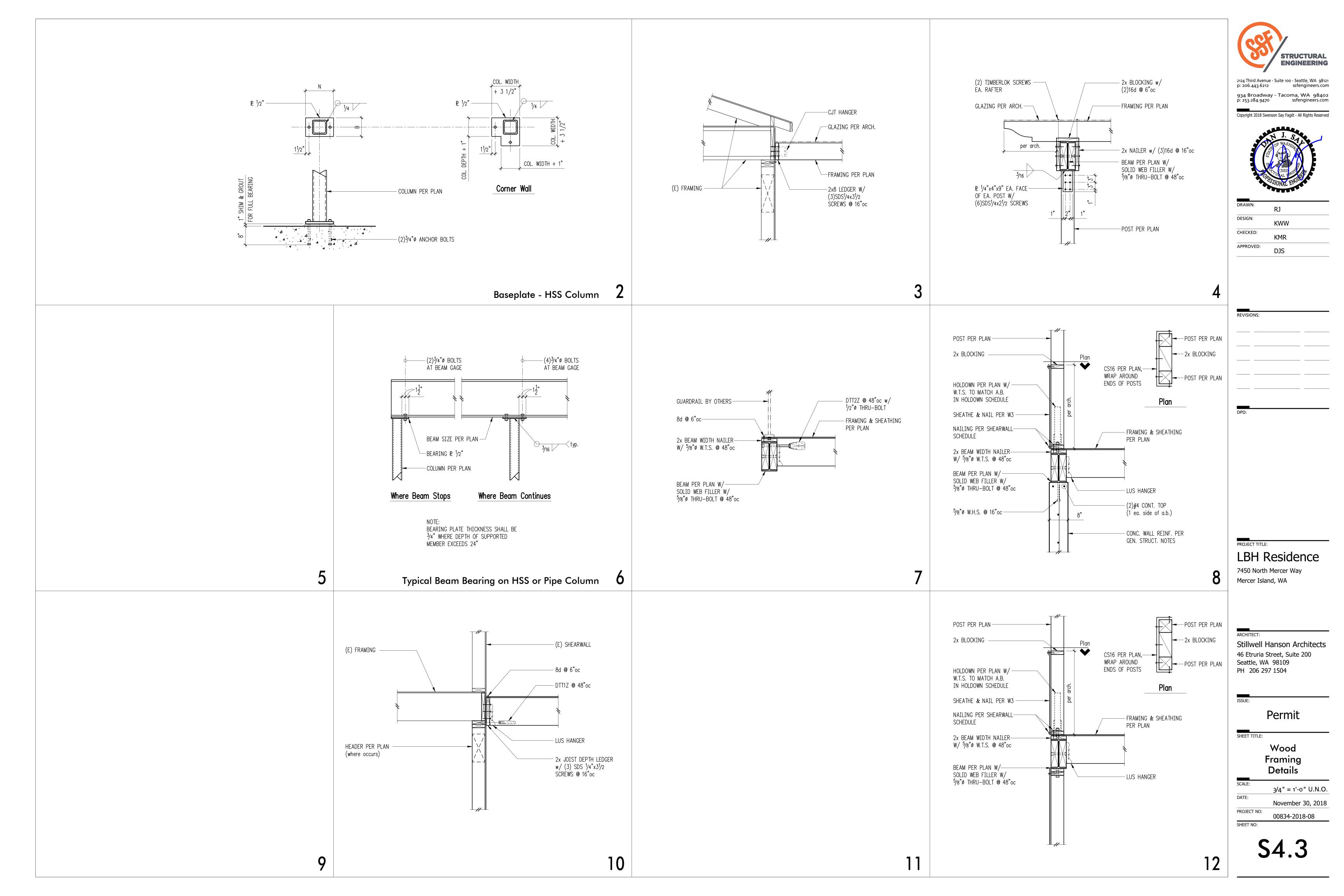


SCALE:	
	3/4" = 1'-0" U.N.O.
	51
DATE:	
	Neurophen 20, 2010
	November 30, 2018
	/
PROJECT NO:	
	00024 2010 00
	00834-2018-08
SHEET NO:	
ONEET NOT	

		A
	PLAN VIEW	anna.
	SECTION	
	# OF WOOD BMS (LVL) SDS SCREW SIZE	2–1 ³ / 1/4"x3
	# OF SDS SCREWS SPACING OF SDS SCREWS	3 16"o
	NOTES: – MIN. SCREW END DISTAN	CE = 4"
1		Sist
	(at exterior walls only) ——— T @ HEADERS < 6'-0"	
(6)1 TYP.	6d STUDS	
5	Турісо	al Hec
	(8)16d AT EA	@ 4"oc S CH SIDE O
		-TOP CHO
		6'-0" - SPLICE 1
		- SPLICE 1 OF VERT.
0		
9		







BASIS OF BEARINGS	LEGAL DESCRIPTION
LD BEARING OF N 00°03'00" W ALONG N—S LINE OF SEC. 1, 24N., R.4.E., W.M. AS SHOWN HEREON AND PER MERCER ISLAND T LINE REVISION NO. MI 96—1381 IN VOL. 116 OF SURVEYS, PG	LOT 9, BLOCK 2, MCGILVRA' S ISLAND ADDITION ACCORE PLAT THEREOF RECORDED IN VOLUME 16 OF PLATS, PAG KING COUNTY, WASHINGTON, THE EASTERLY BOUNDARY WHICH IS ESTABLISHED BY JUDGMENT AND DECREE IN T COURT OF THE STATE OF WASHINGTON, CASE NUMBER S DATED AUGUST 8, 1962, SAID BOUNDARY LINE BEING DE
REFERENCES	DATED AUGUST 8, 1962, SAID BOUNDARY LINE BEING DE FOLLOWS: BEGINNING AT A POINT ON THE SOUTH LINE, BLOCK 2, 1
ECORD OF SURVEY, VOL. 116, PG. 034. ECORDS OF KING COUNTY, WASHINGTON.	ISLAND ADDITION, SAID POINT BEING WEST A DISTANCE (FEET FROM THE SOUTHEAST CORNER OF SAID BLOCK, TH NORTH 10°57'20" EAST 91.90 FEET, THENCE NORTH 3°09" 9.30 FEET, THENCE NORTH 4°36'00" EAST 65.20 FEET, T
SURVEYOR'S NOTES	NORTH 9'06'00" EAST 38.00 FEET; THENCE NORTH 5'10'3 60.87 FEET, THENCE NORTH 7'45'36" EAST 118 FEET, MC LESS, TO THE SHORE LINE OF LAKE WASHINGTON,
E SURVEY SHOWN HEREON WAS PERFORMED IN MARCH OF 18. THE FIELD DATA WAS COLLECTED AND RECORDED ON GNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE TA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES Y NOT EXIST.	TOGETHER WITH SECOND CLASS SHORELANDS ADJOINING SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KI OF WASHINGTON.
ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.	SCHEDULE B ITEMS
SUBJECT PROPERTY TAX PARCEL NO. 531510-0125. APPROXIMATE SUBJECT PROPERTY UPLAND AREA IS:	3. NOTICE OF TAP OR CONNECTION CHARGES WHICH HAV WILL BE DUE IN CONNECTION WITH DEVELOPMENT OR RE-DEVELOPMENT OF THE LAND AS DISCLOSED BY RECO
30,945 SQ FT +/- (0.71 ACRES) FIELD DATA FOR THIS SURVEY WAS OBTAINED BY DIRECT FIELD MEASUREMENTS WITH A CALIBRATED ELECTRONIC 5-SECOND FOTAL STATION AND/OR SURVEY GRADE GPS OBSERVATIONS. ALL ANGULAR AND LINEAR RELATIONSHIPS ARE ACCURATE AND MEET THE STANDARDS SET BY WAC 332-130-090.	RE-DEVELOPMENT OF THE LAND AS DISCLOSED BY RECC INSTRUMENT. INQUIRIES REGARDING THE SPECIFIC AMOUN CHARGES SHOULD BE MADE TO THE CITY/COUNTY/AGEN CITY/COUNTY/AGENCY: CITY OF MERCER ISLAND RECORDED: DECEMBER 6, 1977 RECORDING NO.: 7712060812 (NOT SURVEY RELATED)
THE PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN CW TITLE COMPANY, COMMITMENT NO. CK 40190740, WITH AN EFFECTIVE DATE OF JANUARY 29, 2018 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS 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.	4. EASEMENT AND THE TERMS AND CONDITIONS THEREOF GRANTEE: MERCER ISLAND SEWER DISTRICT PURPOSE: CONSTRUCT AND MAINTAIN 2 SEWER LINES LA SIDE IN SMALL TRENCH AND ALL NECESSARY APPURTEN AREA AFFECTED: OVER PORTION SECOND CLASS SHOREL RECORDED: JANUARY 18, 1956 RECORDING NO.: 4655703 (BLANKET IN NATURE, OVER 2ND CLASS SHORELANDS AN NOT PLOTTABLE)
THE PROPERTY IS LOCATED WITHIN AN AREA HAVING A ZONE DESIGNATION "X", PER THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), ON FLOOD INSURANCE RATE MAP NO. "NOT PRINTED", IN KING COUNTY, STATE OF WASHINGTON, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH THE PROPERTY IS SITUATED.	5. EASEMENT AND THE TERMS AND CONDITIONS THEREOF GRANTEE: MUNICIPALITY OF METROPOLITAN SEATTLE PURPOSE: SEWER TRUNK LINES WITH MANHOLES AREA AFFECTED: A PORTION OF SAID PREMISES RECORDED: NOVEMBER 06, 1968 RECORDING NO.: 6430422
ZONING REPORT NOT PROVIDED PER ITEM 6 (a) ALTA/NSPS LAND TITLE SURVEY OPTIONAL SURVEY RESPONSIBILITIES AND SPECIFICATIONS	(PLOTTED) 6. RESTRICTIVE COVENANT NONUSE OF ACCESSORY DWEL AND THE TERMS AND
THE TOTAL NUMBER OF STRIPED PARKING SPACES ON THE PROPERTY IS 2 (GARAGE), INCLUDING 0 DESIGNATED DISABLED SPACES.	AND THE TERMS AND CONDITIONS THEREOF: RECORDED: JANUARY 05, 2006 RECORDING NO.: 20060105000287 (NOT SURVEY RELATED)
THERE IS NO OBSERVED EVIDENCE OF CURRENT EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE PROPERTY.	(NOT SURVEY RELATED) 7. INDEMNIFICATION AND HOLD HARMLESS AGREEMENT A TERMS AND CONDITIONS THEREOF: RECORDED: APRIL 6, 2009 RECORDING NO.: 20090406000391 (NOT SURVEY RELATED)
THERE WAS NO INFORMATION PROVIDED TO US BY THE CONTROLLING JURISDICTION OF PROPOSED CHANGES TO STREET RIGHT OF WAY LINES, NOR ANY OBSERVED EVIDENCE OF RECENT STREET OR SIDEWALK CONSTRUCTION OR REPAIRS AT THE TIME OF OUR SURVEY.	8. JOINT AGREEMENT FOR ADJACENT MOORAGE FACILITY LIFT AND THE TERMS AND CONDITIONS THEREOF: RECORDED: FEBRUARY 25, 2015
THERE WAS NO OBSERVED EVIDENCE OF WETLANDS OR WETLAND DELINEATION MARKERS FOUND AT THE TIME OF OUR SURVEY.	RECORDING NO.: 20150225001395 (AGREEMENT FOR DOCK, BLANKET IN NATURE, NOT PLOT 9. LOCATION OF LATERAL BOUNDARIES OF SECOND CLAS SHORELANDS UNDEFINABLE PER ITEM 12, SCHEDULE B
	VERTICAL DATUM
	NAVD88 PER GPS OBSERVATIONS SITE BENCHMARK IN ASPHALT DRIVEWAY NEAR SOUTH E AS SHOWN ON DRAWING MASONRY NAIL IN ASPHALT ELEV=52.44'
	VICINITY MAP
SURVEYOR'S CERTIFICATE	SITE
D: SEAN DAVIS KELL & LORI ANN KELL AND FIRST AMERICAN TITLE DMPANY;	7450 North Mercer Way
S IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON CH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2016 IMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND LE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND PS, AND INCLUDES ITEMS 1, 2, 3, 4, 5, 6(a), 7(a), 7(b)(1), 7(c), 9 11 13 AND 16 OF TABLE A THEREOF THE FIELD WORK WAS	130 Train N Mercer Way N Mercer Way
9, 11, 13, AND 16, OF TABLE A, THEREOF. THE FIELD WORK WAS MPLETED ON MARCH 19, 2018.	may st
IN J. GREEN JR. CERTIFICATE NO. 15025 DATE	

ALTA/NSPS LAND TITLE SURVEY

	LEGEND				_		
CCORDING TO THE 5, PAGE 58, IN ARY LINE OF IN THE SUPERIOR BER 582636, NG DESCRIBED AS		FOUND CASED CONCRETE MONUMENT FOUND REBAR & CAP / IRON PIPE BENCHMARK GAS METER	⊙ ⊘ □ _{WM} ⋈ _{WV}	TREE (TYPE, SIZE) FIRE HYDRANT WATER METER WATER VALVE			
K 2, MCGILVRA' S NCE OF 104.13 CK, THENCE 3°09'00" EAST EET, THENCE 5°10'30" EAST ET, MORE OR	MB PST AC		G	POWER LINE (OVERHEAD)			
DINING OF KING, STATE	С _{РР} О _{РР} О _{РТ} ° со	POWER METER POWER POLE POWER TRANSFORMER SEWER CLEANOUT	w w	BUILDING RETAINING WALL			
H HAVE BEEN OR DR Recorded Mount of the /Agency.	 □ SH ○ <l< td=""><td>SEWER HAND HOLE SEWER MANHOLE AREA DRAIN CUVERT CATCH BASIN (TYPE 1) CATCH BASIN (CURB INLET)</td><td></td><td>SLATE SURFACE GRAVEL SURFACE</td><td></td><td></td><td></td></l<>	SEWER HAND HOLE SEWER MANHOLE AREA DRAIN CUVERT CATCH BASIN (TYPE 1) CATCH BASIN (CURB INLET)		SLATE SURFACE GRAVEL SURFACE			
IEREOF: IES LAID SIDE BY JRTENANCES HORELANDS	6	DRAINAGE MANHOLE		ITEM 5 – 10' SEWER ESM'T RFC NO 6430422	J		
IDS ADJOINING, IEREOF: E							
DWELLING UNIT							
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PLOTTABLE) CLASS E B						LOT 8	
JTH END OF LOT		Ę	/				
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