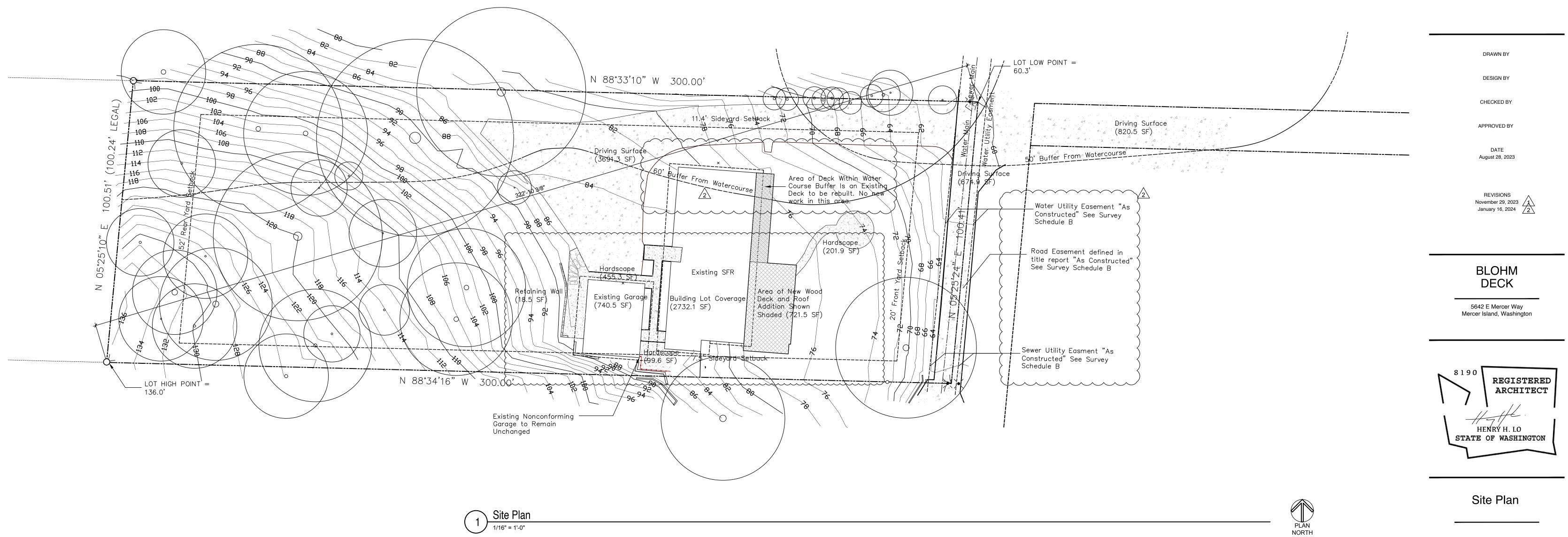


Segment	Length	Elevation	Product
A	5.1	84	428.4
в	3.4	84	285.6
с	31.1	84	2612.4
D	12.9	84	1083.6
E	4.0	83	332
F	15.1	81	1223.1
G	60.4	77	4650.8
H	27.9	79	2204.1
l	28.4	84	2385.6
J	3.6	84	302.4
Total	191.9		15508

ABE = 15508 / 191.9 = 80.8'





PROJECT DATA	PROPERTY DATA		CONSTRUCTION DATA	N .
OWNER	PROJECT ADDRESS		SCOPE OF WORK	
Eric and Jody Blohm ARCHITECT	5642 E Mercer Way Mercer Island, WA 98040		Addition of 720.5 SF raised decl to existing Single Family Reside Deck.	
HhLodesign 215 W. Crockett St. Seattle, WA 98119 Contact: Henry H Lo 206-229-8082 CONTRACTOR Urban Restoration Contact: Reg Willing 425-417-4811 STRUCTURAL ENGINEER	ZONING DESIGNATION R-15 HEIGHT LIMIT 30'-0" Max Building Heigh SETBACKS Front Yard Setback Rear Yard Setback Side Yard Setback	t 20'-0" 25'-0" 17.0' Total 5.6' Min.	LOT SLOPE High Point Low Point Length Slope	136.0 60.3 322.0 23.49
TBD	LOT AREA 33,451 sq ft ASSESSOR'S TAX NUMI 192405-9152 LEGAL DESCRIPTION POR GL 3 BEG AT PT 21 SEC & 1032.41 FT E OF N 03-58-12 E 100.24 FT T LN OF PRIVATE RDWY 100.24 FT TH W 300 FT T GL 3 LY BET LN S 2205 LN OF SEC & ELY OF PF LDS ADJ	20 FT N OF S LN OF N & S C/L OF SEC TH TH E 300 FT TO WLY TH S 03-58-12 W TO BEG ALSO POR FT & 2220 FT N OF S		

	A. Gross Lot Area	33451	Square Feet
}	B. Net Lot Area	33451	Square Feet
	C. Allowed Lot Coverage Area	11707.9	Square Feet
}	D. Allowed Lot Coverage	35	% of Lot
>	E. Existing Lot Coverage:		
5	1. Main Structure Roof Area	2732.1	Square Fee
	2. Accessory Building Roof Area	740.5	Square Fee
	3. Vehicular Use (driveway, paved access		
nd floor	easements [portion used by the lot for access]	L.	
er	parking	5186.7	Square Fee
{	4. Covered Patios and Covered Decks	721.5	Square Fee
		<u> </u>	
5	5. Total Existing Lot Coverage Area (E1+E2+E3+E4	4) 9380.8	Square Fee
5	F. (Total Lot Coverage Area Removed)	$\frac{1}{0}$	Square Feet
{	G. Proposed Adjustment for Single Story (Area)	0	Square Feet
100.01	H. Proposed Adjustment for Flag Lot	0	Square Feet
136.0'	I. Total New Lot Coverage Area:	<u> </u>	0quare ree
60.3'	1. Main Structure Roof Area	2732.1	Square Feet
322.9'	2. Accessory Structure Roof Area	740.5	Square Feet
23.4%	3. Vehicular Use (driveway, paved acce		
5	easement [portion used by the lot for access		
{	parking)	5186.7	Square Feet
	4. Covered Patios and Covered Decks	721.5	Square Feet
5	5. Total New Lot Coverage Area (I1 + I2 + I3 + I4)		
5	J. Total Project Lot Coverage Area = (E5 - F) + I5	9380.8	Square Feet
	K. Proposed Lot Coverage Area = (J/B) x 100	28.0	% of Lot
5			// 01 101
}	Lot coverage calculations shown on Plan Sheet #	A-1.0	
	HARDSCAPE CALCULATIONS		
5	A. Gross Lot Area	33451	Square Feet
}	B. Net Lot Area	33451	Square Feet
	C. Area Borrowed from Lot Coverage	2327.1	Square Feet
5	D. Allowed Hardscape Area = 9% of lot area + C	5337.7	% of Lot
5	E. Allowed Hardscape Area	5337.7	Square Feet
{	F. Total Existing Hardscape Area:		
	1. Uncovered Decks	0	Square Feet
5	2. Uncovered Patios	99.6	Square Feet
5	3. Walkways	657.2	Square Feet
{	4. Stairs	0	Square Feet
	5. Rockeries and Retaining Walls	18.5	Square Feet
5	6. Other	0	Square Feet
}	7. Total Existing Hardscape Area	-	3quare reet
		775.3	Square Feet
			Square Feet
	(F1+F2+F3+F4+F5+F6)		
	(F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed)	0	Square reet
	(F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area:	0	
	(F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: 1. Uncovered Decks	0 0	Square Feet
	(F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: 1. Uncovered Decks 2. Uncovered Patios	0 0	Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways 	0 0 0 0	Square Feet Square Feet Square Feet Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs 	0 0 0 0 0	Square Feet Square Feet Square Feet Square Feet Square Feet Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs Rockeries and Retaining Walls 	0 0 0 0	Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs Rockeries and Retaining Walls Other 	0 0 0 0 0	Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs Rockeries and Retaining Walls Other	0 0 0 0 0 0	Square Feet Square Feet Square Feet Square Feet Square Feet Square Feet Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs Rockeries and Retaining Walls Other	0 0 0 0 0 0 0	Square Feet Square Feet Square Feet Square Feet Square Feet Square Feet Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs Rockeries and Retaining Walls Other	0 0 0 0 0 0 0 0 775.3	Square Feet
	 (F1+F2+F3+F4+F5+F6) G. (Total Hardscape Area Removed) H. Total New Hardscape Area: Uncovered Decks Uncovered Patios Walkways Stairs Rockeries and Retaining Walls Other	0 0 0 0 0 0 0	Square Feet

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A-1.0

GN-1 GENERAL NOTE All work to comply with the following current codes:

- 2018 INTERNATIONAL BUILDING CODE (IBC) - 2018 INTERNATIONAL RESIDENTIAL CODE (IRC)

- 2018 INTERNATIONAL MECHANICAL CODE
- 2018 INTERNATIONAL FIRE CODE
- 2018 INTERNATIONAL FUEL GAS CODE (Natural Gas) - 2018 UNIFORM PLUMBING CODE
- 2018 WASHINGTON STATE ENERGY CODE
- 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 minimu 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 retauning walls with free draining granular fill and provide for subsurface drainage. (Subject to field review by Geotechnical Engineer)

MOISTURE PROTECTION

MP-1 (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 (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 300 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 (IRC R806) ROOF VENTILATION

Provide 1 sf of net free vent area for each 150 sf of attic area.

Venting my be reduced to 1 sf of net free vent area for each 300 sf of attic area provided at least 50% but no more than 80% 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 cont'd.

BN-1 (2018 IRC 307.1) SPACE REQUIREMENTS Toilet - Minimum 15" clear each side, Minimum 21" clear in front of bowl FP-9 (IRC R315.1) CARBON MONOXIDE ALARMS Vanity - Minimum 21" clear in front 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 Shower - Minimum 30" x 30", 24" clear in front of opening dwelling units that have attached garages. BN-2 (2018 IRC 307.2) TUB & SHOWER WALLS FP-10 (IRC R315.3) CARBON MONOXIDE ALARM REQUIREMENTS Bathtub and shower floors and walls above bathtubs with shower heads shall be finished with a non-absorbant Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in surface to a height of at least 6 feet above the floor. accordance with this code and the manufacturer's installation instructions. FP-11 (IRC R302.11) FIREBLOCKING REQUIRED ENERGY CODE Fire blocking is required in the following locations. EC-1 CODE -In concealed spaces of stud walls and partitions including furred spaces, parallel rows of studs, staggered studs as All work to comply with 2018 WSEC follows: Vertically at ceiling and floor levels Horizontally at intervals not exceeding 10 feet EC-2 (2018 R402) BUILDING ENVELOPE REQUIREMENTS -At all interconnections between consealed vertical and horizontal spaces such as soffits, dropped ceilings, and Climate Zone 4C - King County coved ceilings Compliance Path: Mandatory plus Prescriptive -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 Table 402.1.1 0.30 -Fireblocking cornices of a 2-family dwelling is required at the line of dwelling unit separation Glazing U-Factor (Vertical): Glazing U-Factor (Overhead): 0.50 0.20 Door U-Factor: SAFETY AND SECURITY Entire Slab: R-10 SS-1 (IRC R308.4) SAFETY GLAZING - HAZARDOUS LOCATIONS Below grade walls (interior): 10/15/21 int + TB Provide safety glazing in the following locations Below grade walls (exterior): 10/15/21 int + TB R-21 Above grade walls: - Glazing in swinging doors Floor Insulation: R-30 R-49 Ceilings: - Glazing in fixed and sliding panels of sliding door assemblies and panels in sliding and bifold closet door or R-38 adv assemblies R-38 Vaulted Ceilings: - Glazing in storm doors See Table 402.1.1 for footnotes -Glazing in unframed swinging doors EC-3 (2018 R406) ADDITIONAL ENERGY EFFICIENCY REQUIREMENTS Dwelling units shall comply with all provisions of WSEC Chapter 4 and shall comply with sufficient options from Table - Glazing in door or enclosure for hot tub, whirlpool, sauna, steam room, bathtub, and shower. Glazing in any part of R406.2 so as to achieve the at least the minimum number of Energy Credits as required (WSEC R406.2). the a building wall enclosing these where the bottom edge of the glazing is less than 60" above a standing or walking surface. EC-4 (2018 R402.2.4) ACCESS HATCHES & DOORS Access hatches from conditioned spaces to crawlspaces and attics shall be weatherstripped and insulated to a level - Glazing in an individual fixed or operable panel adjacent to a door where the nearest vertical edge is within a 24" equivalent to the surrounding surfaces arc of the door in a closed position AND whose bottom edge is less than 60" from the floor or walking surface EC-5 (2018 R303.1.3) FENESTRATION (DOOR & WINDOW) U-FACTOR LABELS - Glazing that meets all of the following conditions All products shall be identified with NFRC labels Indicating U-value, SHGC (or VT). Exposed area of an individual pane larger than 9 sf EC-6 (2018 402.4.1.1) AIR BARRIER Bottom edge less than 18" above the floor A continuous air barrier shall be installed in the building envelope. Breaks or joints in the barrier shall be sealed. Top edge more than 36" above the floor Air-permeable insulation shall not be uses as a sealing material. Walking surface within 36" horizontally of the glazing EC-7 GROUND COVER -All glazing in railings (regardless of area or height) A ground cover of 6 mil black polyethelyene, 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. -Glazing in walls and fences enclosing swimming pools, hot tubs, spas where the bottom edge is less than 60" above Gound cover can be omitted if crawlspaces have a concrete slab with a minimum thickness of 3-1/2" walking surface and within 60" horizontally of the water's edge. EC-8 (2018 R402.4.3) AIR LEAKAGE OF FENESTRATION -Glazing adjacent to stairways, landings, and ramps within 36" horizontally of a walking surface when the exposed Exterior doors and windows shall be constructed to limit air leakage and be fitted with weatherstripping. Joints surface of the glass is less than 60" above the the plane of the adjacent walking surface 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 -Glazing adjacent to stairways within 60" horizontally of the bottom tread in any direction when the exposed surface sliding glass doors shall have an air infiltration rate of not more than 0.3 cfm per square foot, and swinging doors no of the glass is less than 60" above the nose of the tread more than 0.5 cfm per square foot, and be listed and labeled by the manufacturer (SEE CODE SECTION FOR LIMITED LIST OF EXCEPTIONS) EC-9 (2018 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 SS-2 (IRC R310.1.1,2,3,4) EMERGENCY ESCAPE (EGRESS) no more than 2.0 cfm air movement into the unconditioned cavity. They shall be installed with a gasket or caulk Emergency escape opening shall have a minimum net clear opening of 5.7 sf between the frame and the ceiling to prevent air leakage Grade floor openings shall have a minimum net clear opening of 5.0 sf EC-10 (2018 503.4) EQUIPMENT PERFORMANCE - Emergency escape opening shall have a minimum net clear opening height of 24" All heating equipment shall meet the requirements of the National Appliance Energy Conservation Act and be so - Emergency escape opening shall have a minimum net clear opening width of 20" labeled and compy with Section 1411. - Emergency escape opening shall have a maximum sill height of 44" EC-11 (2018 R403.5) MECHANICAL VENTILATION SS-3 (IRC R311.2) EXIT DOOR Mechanical ventilation system fans shall meet the efficacy requirements of Table R403.5.1 Not less than one exit door shall be provided. Minimum size of 3'-0" x 6'-8" EC-12 (2018 R403.1) CONTROLS Provide a programmable thermostat for regulation of temperature. Thermostat shall allow for a 5-2 programmable SS-4 (IRC R311.7) STAIRWAYS schedule (weekdays/weekends) and be capable of providing at least two programmable setback periods per day. WIDTH Stairway width shall be no less than 36" in clear width above the handrail height and below the required headroom EC-13 (2018 R403.2) DUCTS height, handrails may project no more than 4.5" on either side of the stairway Ducts within or partial exposed to unconditioned spaces shall be insulated to a minimum of R-8 (WSEC R403.2.1). Framing cavities shall not be used as ducts or plenums. Installation of ducts in exterior walls shall not displace HEADROOM required envelope insulation (WSEC R403.2.3) 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 EC-14 (2018 R403.2.2) SEALING OF MECHANICAL SYSTEM Ducts, air handlers, and filter boxes shall be sealed. Ducts shall be leak tested in accordance with the provisions of RISER HEIGHT 2012 WSEC R403.2.2 The maximum riser height is 7-3/4" The maximum discrepancy between tallest & shortest risers shall not exceed 3/8" EC-15 (2018 R403.2.2) DUCT LEAKAGE TEST Duct leakage test results shall be provided to the building inspector and homeowner prior to an approved final TREAD DEPTH inspection. A signed affidavit documenting the duct leakage test results shall be provided to the building inspector The minimum tread depth is 10" measured from nosing projection to nosing projection prior to an approved final inspection. The maximum discrepancy between widest & narrowest treads shall not exceed 3/8" EC-16 (2018 R403.3) MECHANICAL SYSTEM PIPING NOSING Mechanical system piping capable of carrying fluids above 105 deg. F shall be insulated to a minimum of R-6. Provide a nosing not less than 3/4" but not more than 1-1/4" wide on stairways with solid risers. EC-17 (2018 R40.3.4.2) HOT WATER PIPE INSULATION HANDRAIL Insulation for hot water pipes shall have a minimum thermal resistance of R-4. A continuous handrail is required on at least one side of each continuous run of treads or flight with 4 or more risers EC-18 (2018 R403.4.3) ELECTRIC WATER HEATER INSULATION HANDRAIL HEIGHT Electric water heaters in unconditioned space or on concrete floors shall be placed on an incompressible insulated Not less than 34" or more than 38" above the sloped plan adjoinging the tread nosings surface with a minimum R-10. HANDRAIL CONTINUITY EC-19 (2018 R404.1) LIGHTING EQUIPMENT Handrail shall be continuous for the full length of the flight from a point ditectly above the top riser to a point directly A minimum of 75 percent of permanently installed lamps in lighting fixtures shall be high efficacy lamps. above the bottom riser. Handrails shall be returned to the wall or terminate in a newel post or safety terminus.

EC-20 (2018 402.4.1.2) AIR LEAKAGE TESTING

EC-21 (2018 401.3) ENERGY COMPLIANCE CERTIFICATE

Certificate.

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 0.2 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

A Residential Energy Compliance Certificate complying with SEC 105.4 is required to be completed by the design

professional or builder and permanently posted within 3'-0" of the electrical panel prior to inspection.

BATHROOM NOTES

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)

SS-5 (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 guards 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. Contractor shall verify to inspector that all guards and railings shall be capable of resisting 200 lb. lo0ad on top rail acting in any direction as required by IRC Table R301.5.

EXHAUST SYSTEMS CODE

VC-1 CODE

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

VC-2 (IRC Section M1507) MECHANICAL VENTILATION Source Specific Exhaust Fans

- Exhaust fans providing source specific ventilation shall have a minimum fan flow rating not less than 50 cfm at 0.25 inches water gauge for bathrooms, laundries, or similar rooms and 100 cfm at 0.25 inches water gauge 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 (IRC Section M1507.3) WHOLE HOUSE VENTILATION
- Intermittent Whole House Ventilation Integrated with a Forced-Air System - Integrated whole house ventilation systems shall provide outdoor air at the rate calculated using Section M1507.3.3,4
- 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 M1508.5.2. 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 WORK

MW-1 (IRC M1307.2) 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 (IRC M1307.3) 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 (IRC M1307.3.1) PROTECTION FROM IMPACT
- Appliances located in the garage shall be protected from impact by approved barriers.

FIRE PROTECTION

FP-1 (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 (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

FP-3 (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 (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 (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 72.

FP-6 (IRC R314.3) SMOKE DETECTION LOCATION 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 (IRC R314.3.1) 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.

FP-8 (IRC R314.4) SMOKE ALARM POWER SOURCE

Smoke alarms shall receive their primary power from the building and have battery backup. Wiring shall be permamnent and without disconnecting switch other than those required for overcurrent protection

Permit Conditions:

Provide a residential Fire Sprinkler TI Permit for the modification, addition, or subtraction of the fire sprinkler system. A licensed fire sprinkler contractor must evaluated the current system and provide a letter stating the changes needed and if the current system has capacity.

Provide annual test records showing the system has been recently tested within the last 365 days. 2.

Fire Sprinkler System activation must activate internal sounders or smoke alarms.

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DESIGN BY

DRAWN BY

CHECKED BY

APPROVED BY

DATE April 04, 2023

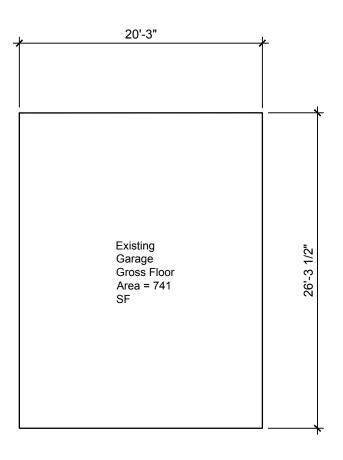
REVISIONS

BLOHM DECK

5642 E Mercer Way Mercer Island, Washington

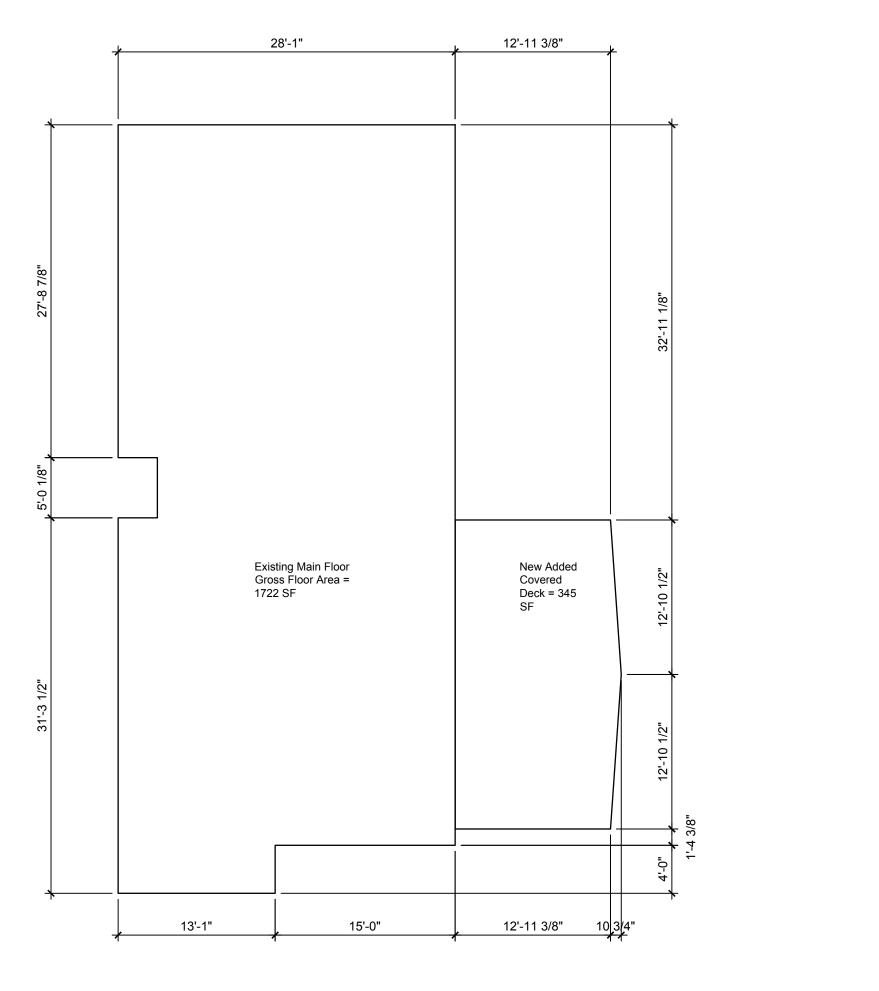


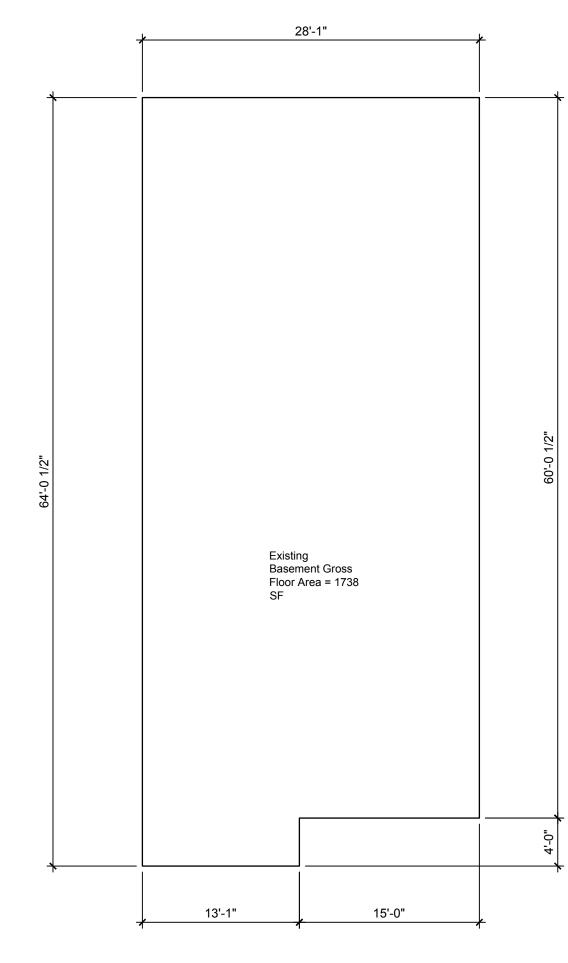
General Notes

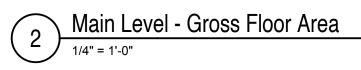




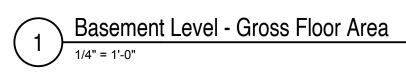












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DESIGN BY

CHECKED BY

APPROVED BY

DATE November 29, 2023 1

REVISIONS

BLOHM DECK

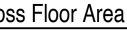
5642 E Mercer Way Mercer Island, Washington

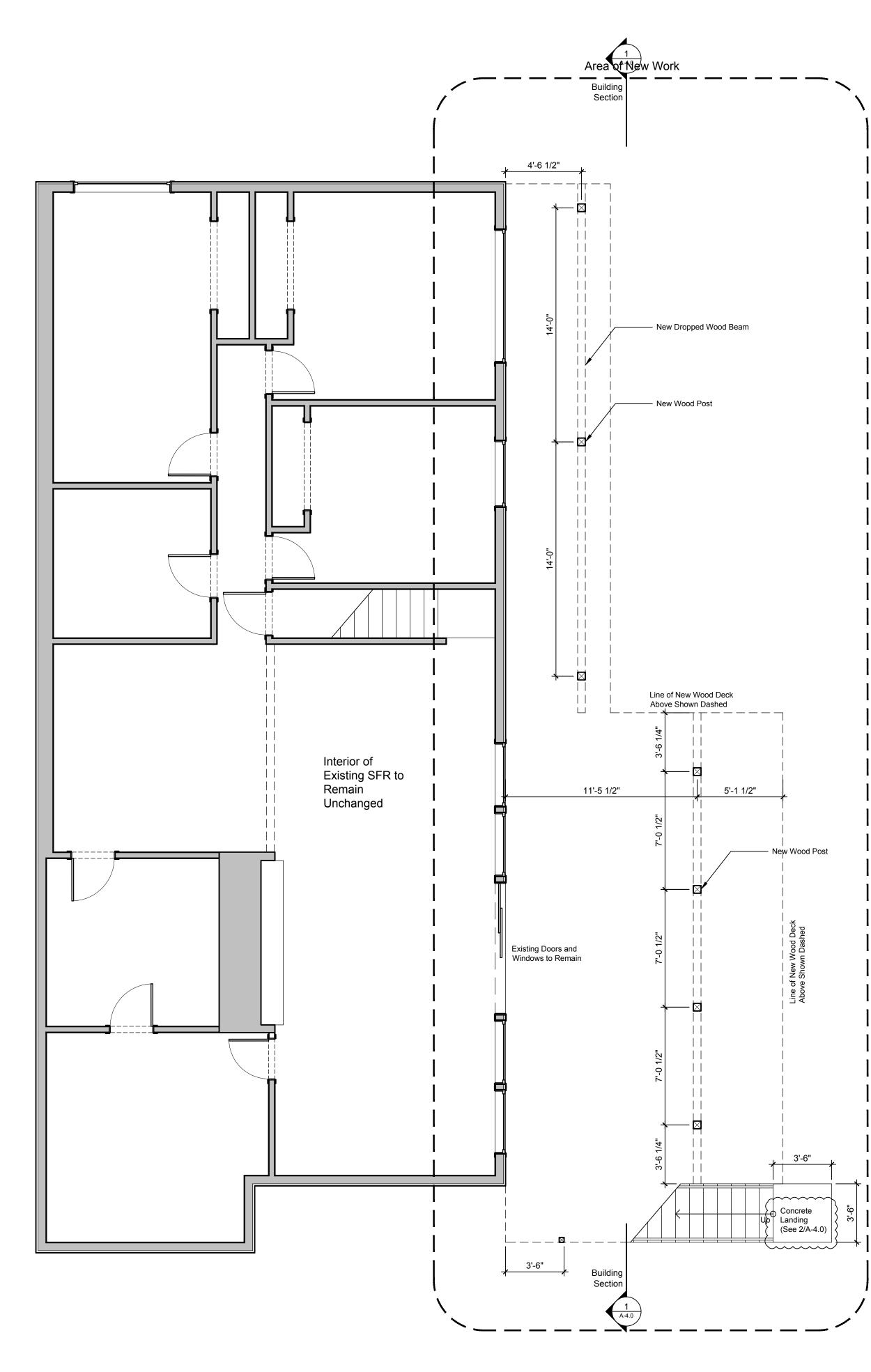


Gross Floor Area Calculation

A-1.2









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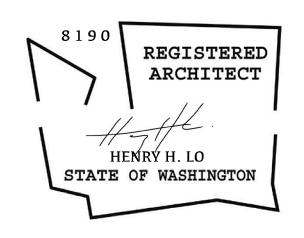
APPROVED BY

DATE April 04, 2023

REVISIONS November 29, 2023

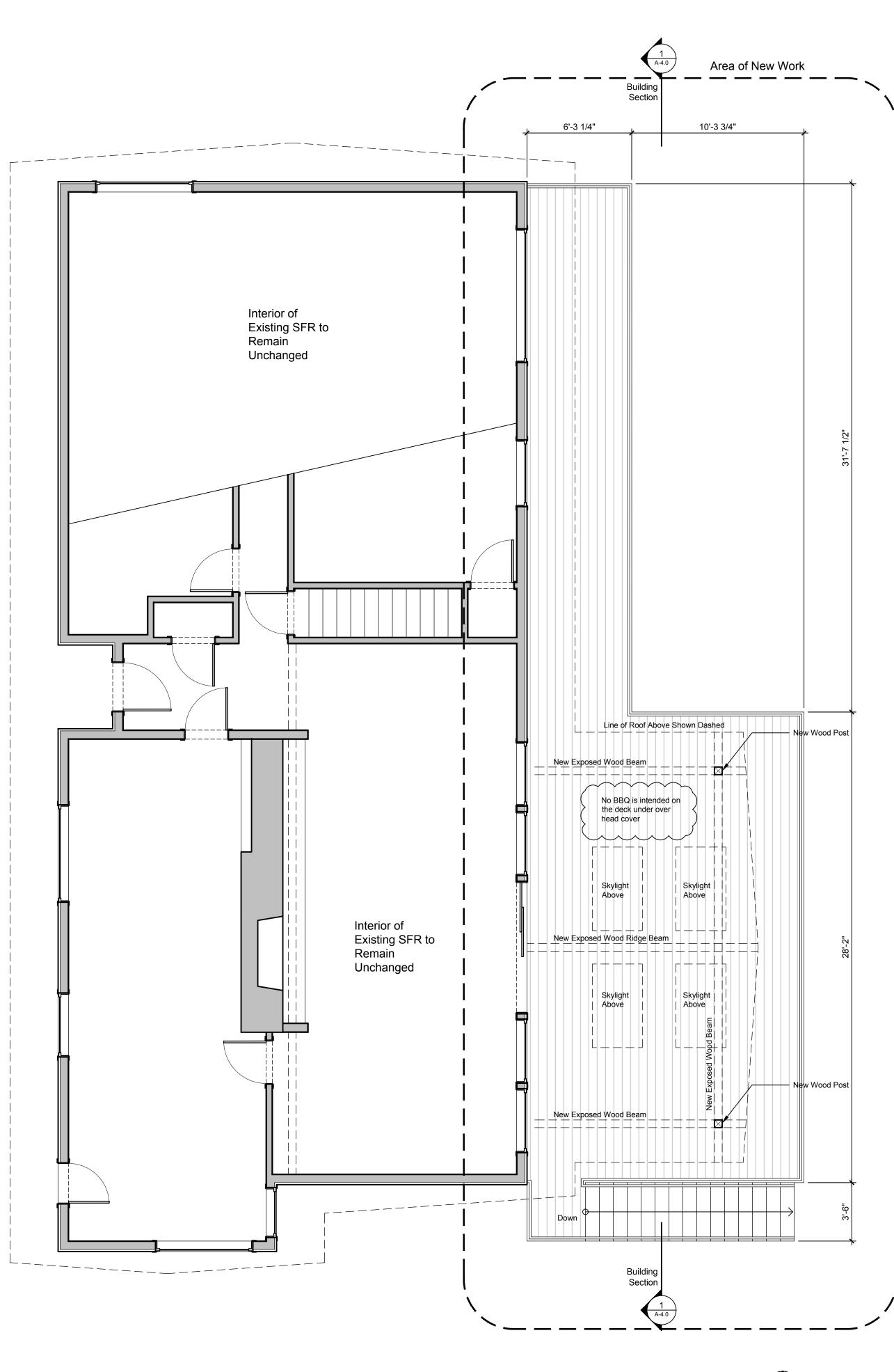
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Lower Floor Plan







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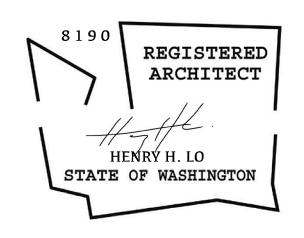
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DATE April 04, 2023

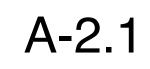
REVISIONS November 29, 2023

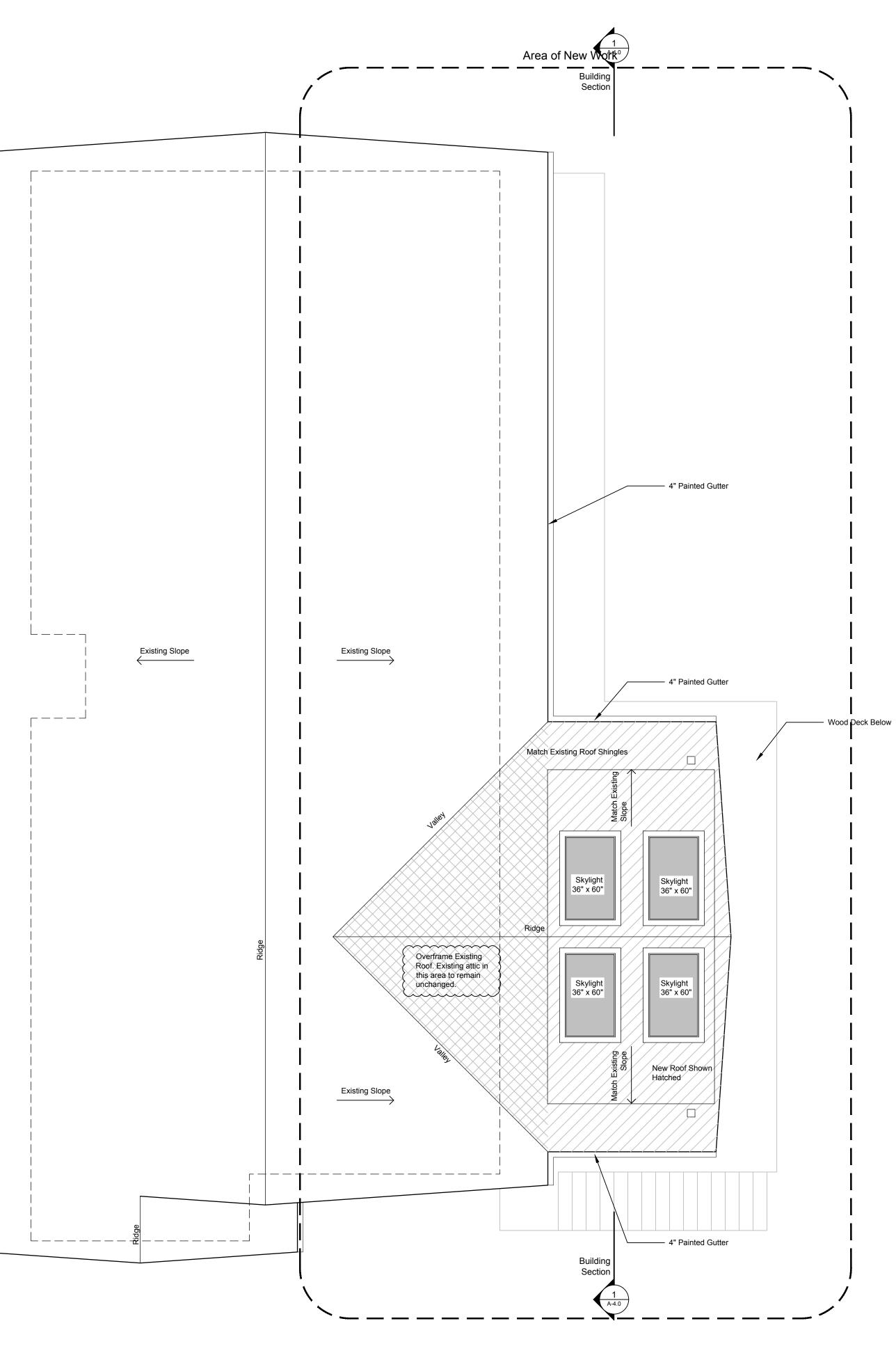
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Main Floor Plan





 $\underbrace{1}$

PLAN NORTH

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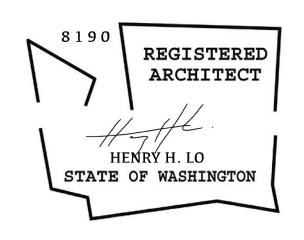
APPROVED BY

DATE April 04, 2023

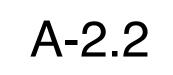
REVISIONS November 29, 2023

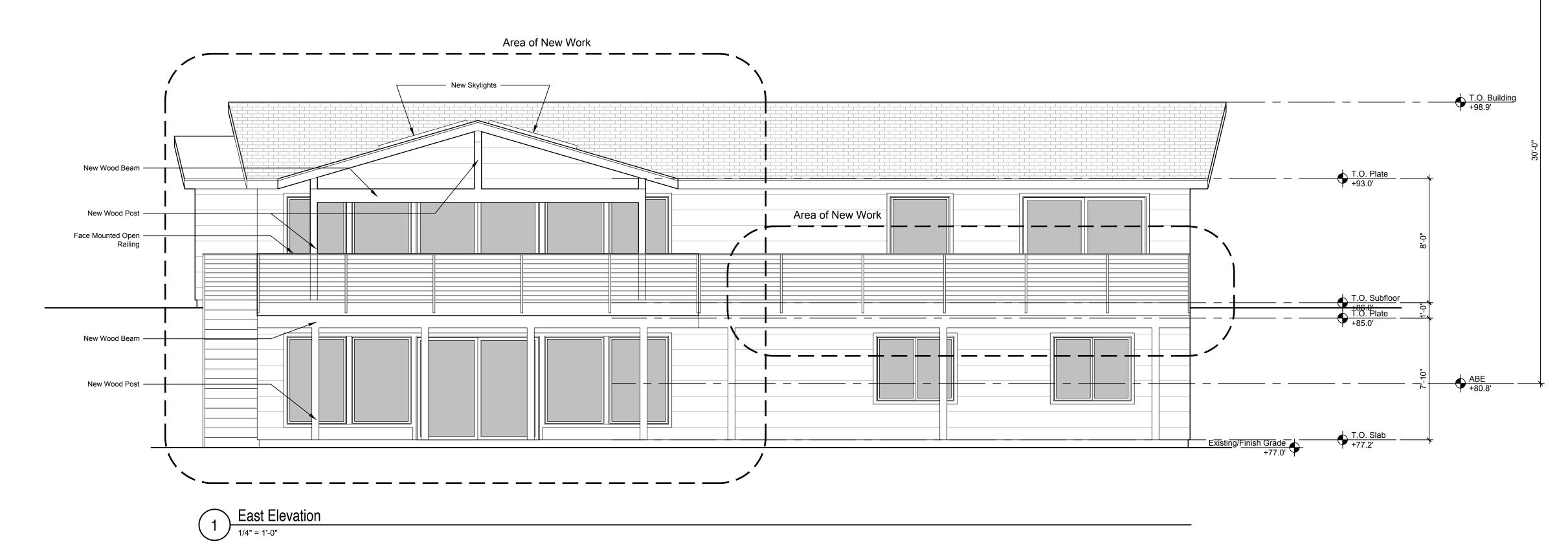
BLOHM DECK

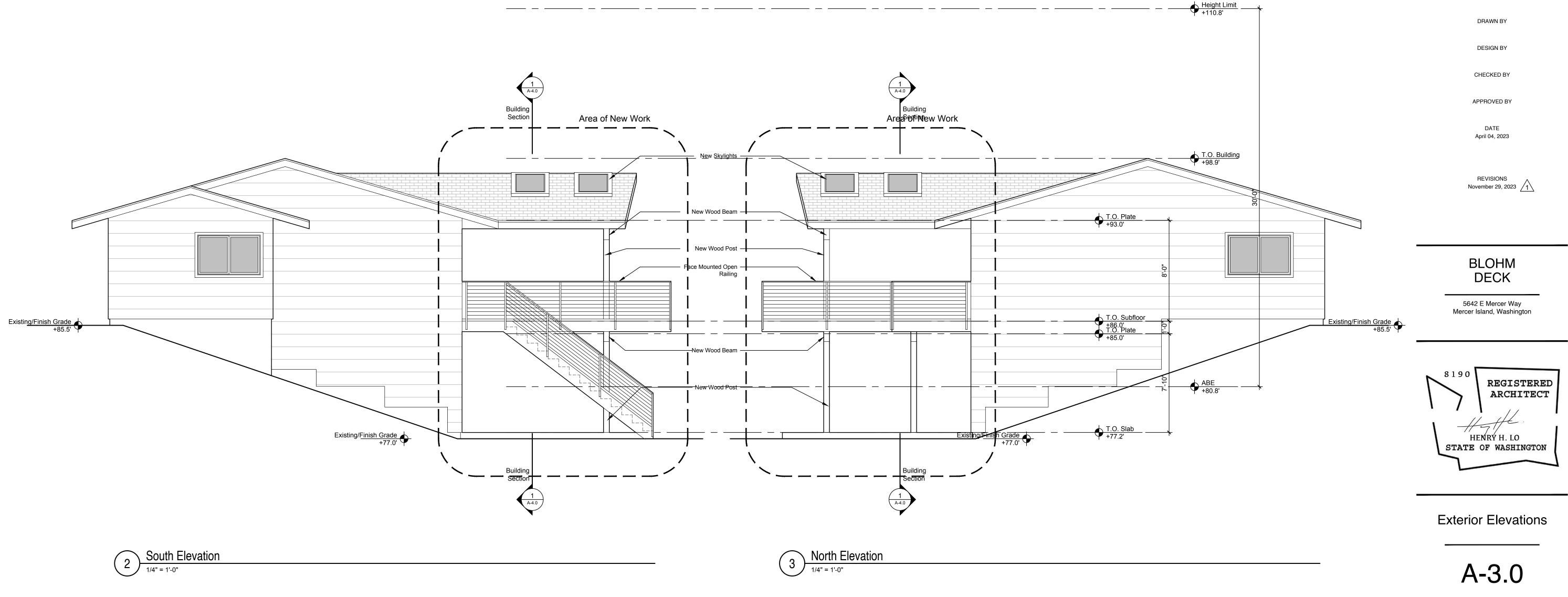
5642 E Mercer Way Mercer Island, Washington

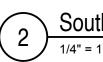


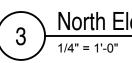
Roof Plan







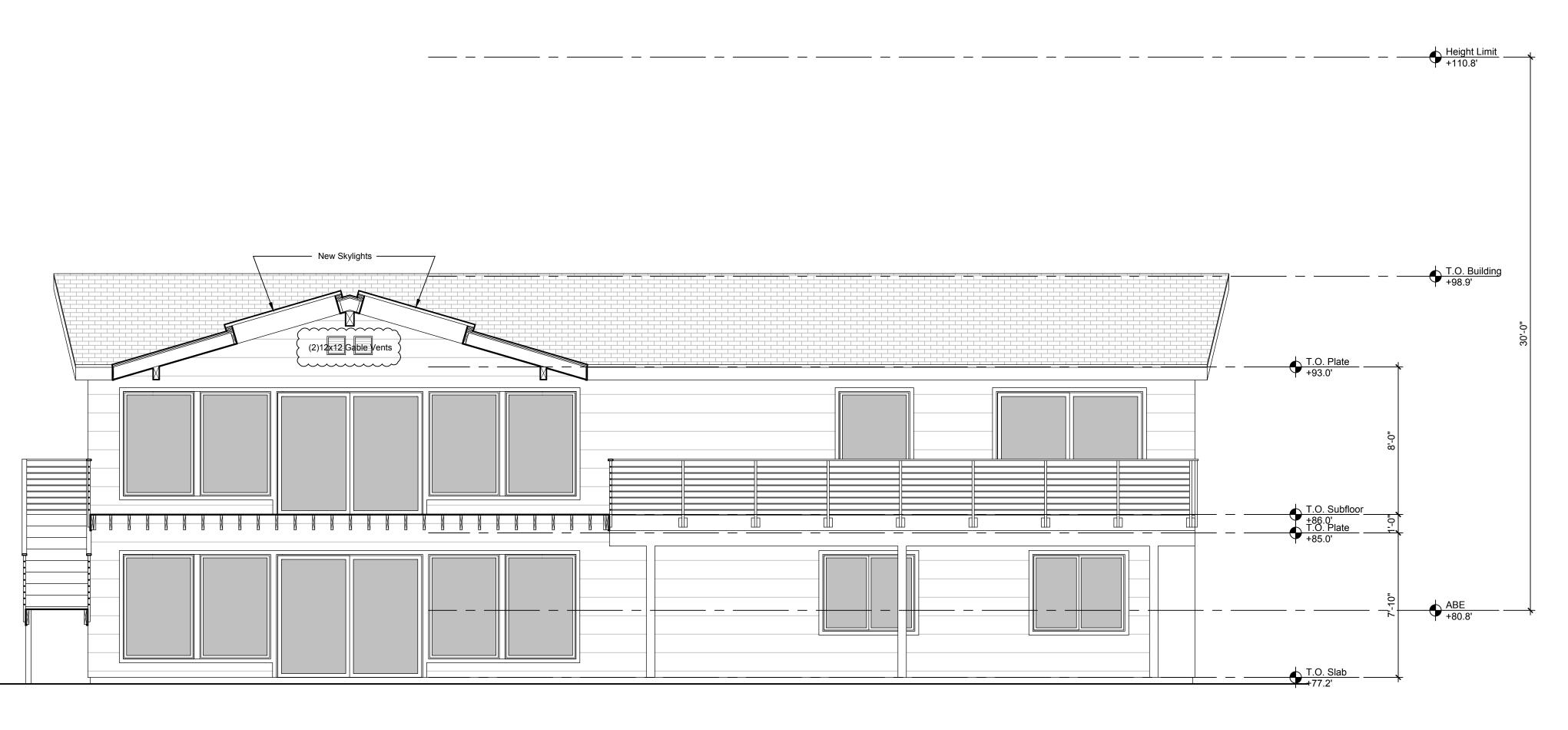




Height Limit +110.8'

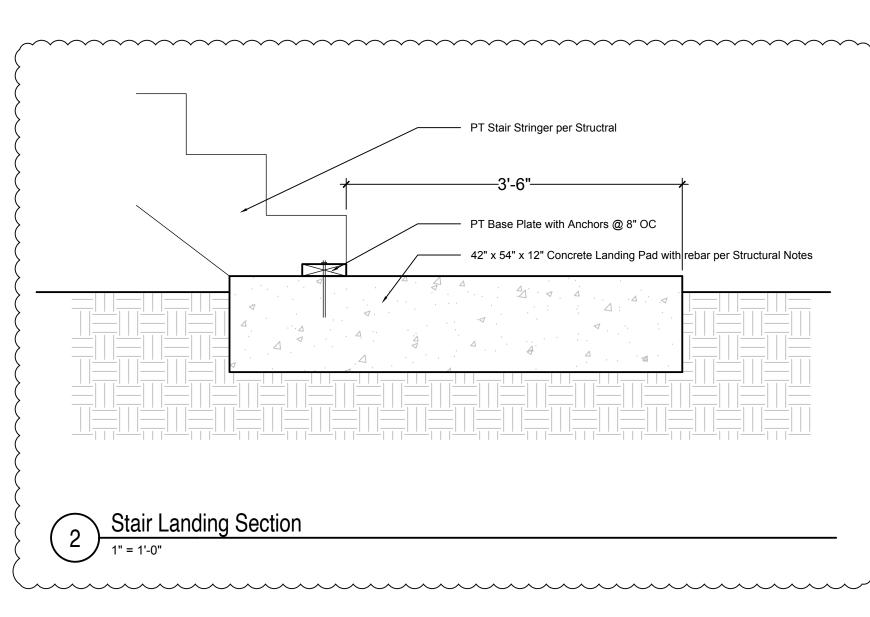
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Existing/<u>Finish Grade</u> +77.0'

1 Building Section



 PT Stair Stringer per Structral -3'-6"-— PT Base Plate with Anchors @ 8" OC / 42" x 54" x 12" Concrete Landing Pad with rebar per Structural Notes HhLodesign minimalist.spatial.creation

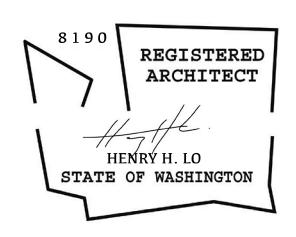
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Building Section



GENERAL STRUCTURAL NOTES

- 1. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, THE INTERNATIONAL BUILDING CODE (IBC, 2018 EDITION) AND MODIFICATIONS TO THE INTERNATIONAL BUILDING CODE BY THE LOCAL JURISDICTION.
- 2. DESIGN LOAD CRITERIA

DEAD LOAD	DS			
	ROOF FLOORS DECKS EXTERIOR WALLS INTERIOR WALLS			15 PSF 15 PSF 8 PSF 10 PSF 8 PSF
LIVE LOADS	3			
	ROOF FLOOR / LIVING SPACE DECKS / BALCONIES			20 PSF 40 PSF 60 PSF
SNOWLOAD	DS			
	GROUND LOAD ROOF SNOW LOAD			25 PSF 25 PSF
WIND				
	ULTIMATE DEIGN WIND SPEED WIND EXPOSURE IMPORTANCE FACTOR ADJUSTMENT FACTOR WIND SPEED UP FACTOR		Iw = λ =	
SEISMIC				
	SEISMIC USE GROUP IMPORTANCE FACTOR IE SITE CLASS SEISMIC DESIGN CATEGORY RESPONSE FACTOR MAPPED ACCELERATION (PER USGS)	R = Ss = S1 =		II 1.0 D 6.5 1.5 0.5
SOIL PRES	SURE:			

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.

ALL SOIL PRESSURE

4. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.

1.500 PSF

- 5. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS.
- 6. 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 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 OF THE OWNER. CONTRACTORS, OR OTHER SITE ENTITIES OR PERSONS AT THE PROJECT SITE.
- 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.
- 8. 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.
- 9. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERECTED SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.

FOUNDATIONS

- 10. ALL FOOTINGS AND FOUNDATIONS SHALL BE SUPPORTED BY COMPETENT NATIVE SOIL 18" BELOW FINISHED GRADE FOR EXTERIOR SIDE AND 12" FOR INTERIOR FOOTINGS, FREE OF ORGANIC MATERIALS. OVEREXCAVATION MIGHT BE NEEDED TO REACH THE COMPETENT SOIL.
- 11. FOOTINGS AND FOUNDATION EXCAVATION SHALL BE FREE OF LOOSE SOILS, SLOUGHS, DEBRIS, AND FREE OF WATER AT ALL TIMES.
- 12. FOUNDATION WALL BACKFILL SHALL BE PLACED SIMULTANEOUSLY ON BOTH SIDES OF WALL PROVIDING 4" PERFORATED PIPE (AS REQUIRED) FOR SUBSURFACE DRAINAGE.

13. U.N.O. IN AN APPROVED GEOTECHNICAL REPORT, THE FOLLOWING METHOD FOR BACKFILL PLACEMENT AND COMPACTION IS TO BE USED:

> EXCEPT FOR BACKFILL AGAINST BELOW-GRADE WALLS OR LOOSE LIFTS NOT EXCEEDING 10 INCHES IN THICKNESS AND (ASTM D1557) MAXIMUM DENSITY AT MOISTURE CONTENTS WITHIN TWO (2) PERCENT OF OPTIMUM. THE SPECIFIED COMPACTION BY INSPECTION. PRIOR TO PLACEMENT OF SUBSEQUENT LIFTS. BACKFILL AGIANST BELOW-GRADE WALLS AND RETAINING WALLS SHOULD BE COMPACTED AS DESCRIBDED ABOVE TO ONLY 90 D1557.

- 14. FOOTING SIZE SHALL BE AS INDICATED ON DRAWINGS OR MIN. AS PER IBC SECTION 1806.
- 15. WHERE THE SURFACE IS SLOPED MORE THAN OE (1) FOOT IN TEN (10) FEET THE FOUNDATION SHALL BE LEVEL OR STEPPED SO THAT BOTH, TOP AND BOTTOM. OF SUCH FOUNDATION ARE LEVEL PER IBC.
- 16. WHERE STRUCTURAL COLUMNS AND POSTS ARE EXPOSED TO WATER SPLASH ABOVE, A CONCRETE SURFACE OR TO THE WEATHER, PROVIDE A MIN. OF 1" ABOVE CONCRETE SURFACE, OR 8" ABOVE THE EXPOSED EARTH PER IBC.

CONCRETE

17. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH IBC SECTION 1905, 1906, AND ACI 301. STRENGTH AT AGE 28 DAYS AND MIX CRITERIA SHALL BE AS FOLLOWS, U.N.O.: MEMBER TYPE PSI

(IN)	
SLABS ON GRADE	2,500
FOUNDATIONS	2,500
WALLS	2.500
COLUMNS,	
ELEVATED SLABS	
& BEAMS	4,500

- 18. CONCRETE MIX FOR FOUNDATION AND SLAB: CEMENT: 5.5 SACK TYPE I NORMAL PORTLAND CEMENT 1,210 LBS OF WET SAND 1,925 LBS GRAVEL
- 19. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, FY = 60,000 PSI, UNLESS NOTED OTHERWISE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM-185.
- 20. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 318-14. LAP ALL REINFORCEMENTS IN ACCORDANCE WITH "THE REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE".PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS, LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.
- 21. NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED AND APPROVED BY THE STRUCTURAL ENGINEER.
- 22. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

FOOTINGS AND OTHER UNFORMED S CAST AGAINST AND PERMANENTLY E FORMED SURFACES EXPOSED TO EA (NO. 6 BARS OR LARGER)

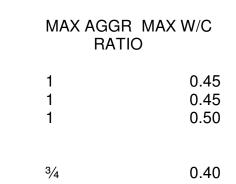
(NO 5 BARS OR SMALLER) COLUMN TIES OR SPIRALS AND BEAM

SLABS AND WALLS: GREATER OF BAR DIAMETER + 1/8 OR 3/4"

- 23. 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 .
- 24. 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 (2.500 PSI MIN).

PROTECTION FOR REINFORCEMENT OF CAST IN-PLACE CONCRETE Concrete cast against and permanently expose Concrete exposed to earth or weather Wall panels: No. 6 through No. 18 bars No. 5 bars, W31 or D31 wire, and smaller Concrete exposed to neither earth or weather Slabs, walls, and joists: No. 14 and no. 18 bars No. 11 and smaller bars Beams and Columns: Primary reinforcement, ties, stirrups, and spira Shells and folded-plate members: No. 6 bars and larger No. 5 bars, W31 or D31 or smaller

RETAINING WALLS, ALL OTHER STRUCTURAL FILL AND STRUCTURAL BACKFILL MATERIALS SHALL BE PLACED IN RELATIVELY HORIZONTAL COMPACTED TO AT LEAST 95 PERCENT OF THE MODIFIED PROCTOR DENSITY AND MOISTURE CONTENT OF EACH LIFT MUST BE VERIFIED PERCENT OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM



SURFACES EXPOSED TO EARTH ARTH OR WEATHER	3"
ANINONWEATHEN	
	2"
	1-1/2"
M STIRRUPS	1-1/2"

	MIN.
	COVER
sed to earth	3"
	2"
	2" 1 ½"
	1 ½"
	1 ½" ¾"
als	1 ½"
	3⁄4"
	3/4" 3/4"

FLOOR SLABS

25. INTERIOR CONCRETE SLAB-ON-GRADE FLOORS SHOULD BE UNDERLAIN BY CAPILARY BREAK CONSISTING OF AT LEAST 4 INCHES PEA GRAVEL OR COMPACTED 3/4- INCH CLEAN CRUSHED ROCK (LESS THAN 3 PERCENT FINES).

ANCHORAGE

- 26. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BARS) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED WITH SIMPSON EPOXY "SET-XP" OR EQUAL. SPECIAL INSPECTION IS REQUIRED. RODS SHALL BE ASTM A-36 UNLESS NOTED OTHERWISE.
- 27. DRIVEN PINS AND OTHER POWDER ACTUATED FASTENERS SHALL BE LOW VELOCITY TYPE. INSTALL IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. MINIMUM EMBEDMENT IN CONCRETE SHALL BE 1" UNLESS OTHERWISE NOTED. MAINTAIN AT LEAST 3" TO NEAREST CONCRETE.
- 28. PERIODIC SPECIAL INSPECTION FOR EPOXIED ANCHORS AND BOLTS IS REQUIRED.

STEEL

- STRUCTURAL STEEL FABRICATION, ERECTION AND WELDING 29. INSPECTION SHALL COMPLY WITH THE SPECIAL INSPECTION SCHEDULE.
- 30. STRUCTURAL STEEL SHALL BE GRADE A-36 UNLESS NOTED OTHERWISE.
- 31. ARCHITECTURALLY EXPOSED STEEL SHALL CONFORM TO SECTION 10 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
- THE FOLLOWING ADHESIVE-TYPE ANCHORING SYSTEMS SHALL BE 32. USED FOR CONCRETE AND MASONRY, AS APPLICABLE AND IN ACCORDANCE WITH CORREPSONDING CURRENT ICC ESR REPORT.
 - SIMPSON "SET-XP" ICC ESR 2508 FOR ANCHORING TO CONCRETE
- 33. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND A.W.S STANDARDS AND SHALL BE PERFORMED BY W.A.B.O. CERTIFIED WELDERS USING E70 XX ELECTRODES. ONLY PREQUALIFIED WELDS(AS DEFINED BY A.W.S.) 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. AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION
- 34. WELDING INSPECTION SHALL BE IN COMPLIANCE WITH AWS D1.1.

WOOD

- 35 ALL SOLID LUMBER TO BE GRADED BY WCLIB OR WWSA, ALL LUMBER SHALL BE HEM-FIR #2 (HF #2) OR BETTER. ALL SOLID LUMBER 5" X 4" OR LARGER SHALL BE DOUGLAS FIR #2 (DF #2) U.N.O. ALL GLUE-LAMINATED LUMBER SHALL BE GLULAM 24F-1.8E WS. DESIGN VALUES FOR GLULAM BEAMS
- FLEXURAL STRESS TENSION ZONE FLEXURAL STRESS COMPRESSION ZONE COMPRESSION PERPENDICULAR TO GRAIN SHEAR APPARENT E TRUE E
- 2,400 PSI 1.850 PSI 650 PSI
- 266 PSI 1.8x16 lb-in²
- 1.9x10 lb-in² 36. LUMBER IN CONTACT WITH CONCRETE AND ALL EXTERIOR WOOD
- SHALL BE PRESSURE TREATED, ALL CONNECTORS GALVANIZED. 37. INSTALL SOLID BLOCKING BTWN JOISTS AT ALL BEARING POINTS. THROUGH BOLTS AND LAG BOLTS SHALL BE ASTM A307. PROVIDE
- MALLEABLE IRON WASHER AT ALL BOLT AND LAG BOLT LOATIONS. PROVIDE CUT WASHER FOR ALL BOLTS PROTRUDING BEARING WOOD. ALL METAL (CONNECTORS, NAILS, BOLTS, ETC.) IN CONTACT WITH P.T. 38
- WOOD SHALL BE HOT DIPPED GALVANIZED. 39. U.N.O. CONNECTORS AND FASTENERS SHALL COMPLY WITH IBC TABLE 2304.9.1

OPEN WEB TRUSSES

- THE INSTALLATION OF OPEN WEB TRUSSES SHALL COMPLY WITH THE 40. REQUIREMENTS OF IBC 2015 TABLE 1705.2.3.
- OPEN WEB TRUSS SHOP DRAWINGS SHALL BE PREPARED BY A 41. LICENSED PROFESSIONAL ENGINEER IN THE STATE OF WASHINGTON AND AFTER REVIEW AND APPROVAL BY ENGINEER OF RECORD SHALL BE SUBMITTED TO DCI FOR FINAL APPROVAL.

TYPE

COMMON

BOX

SINKER

Table 170 Required

. Inspect r

- Inspect a 4. Inspect a
- a. Adhesi
- inclined b. Mecha
- anchor
- Verify us Prior to c
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- determin
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Table 170 Required

. Verify ma achieve the 2. Verify ex reached pro 3. Perform 4. Verify us during place 5. Prior to p and verify t

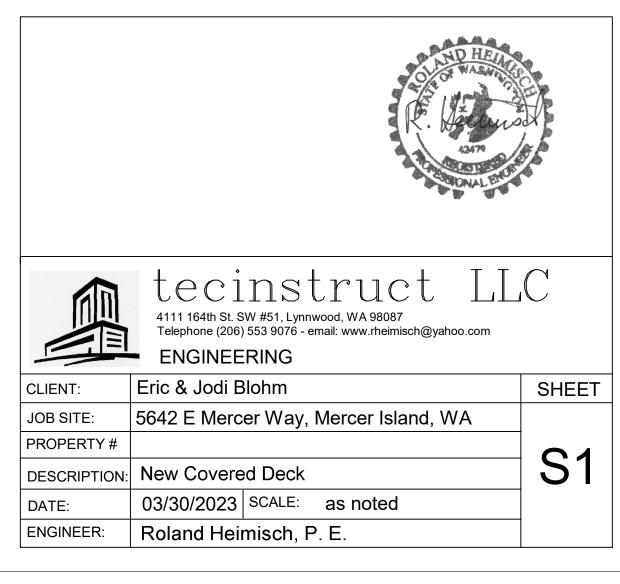
COMPARISON OF COMMON. BOX AND SINKER NAIL DIMENSIONS (inches) OF THE SAME PENNYWEIGHT.

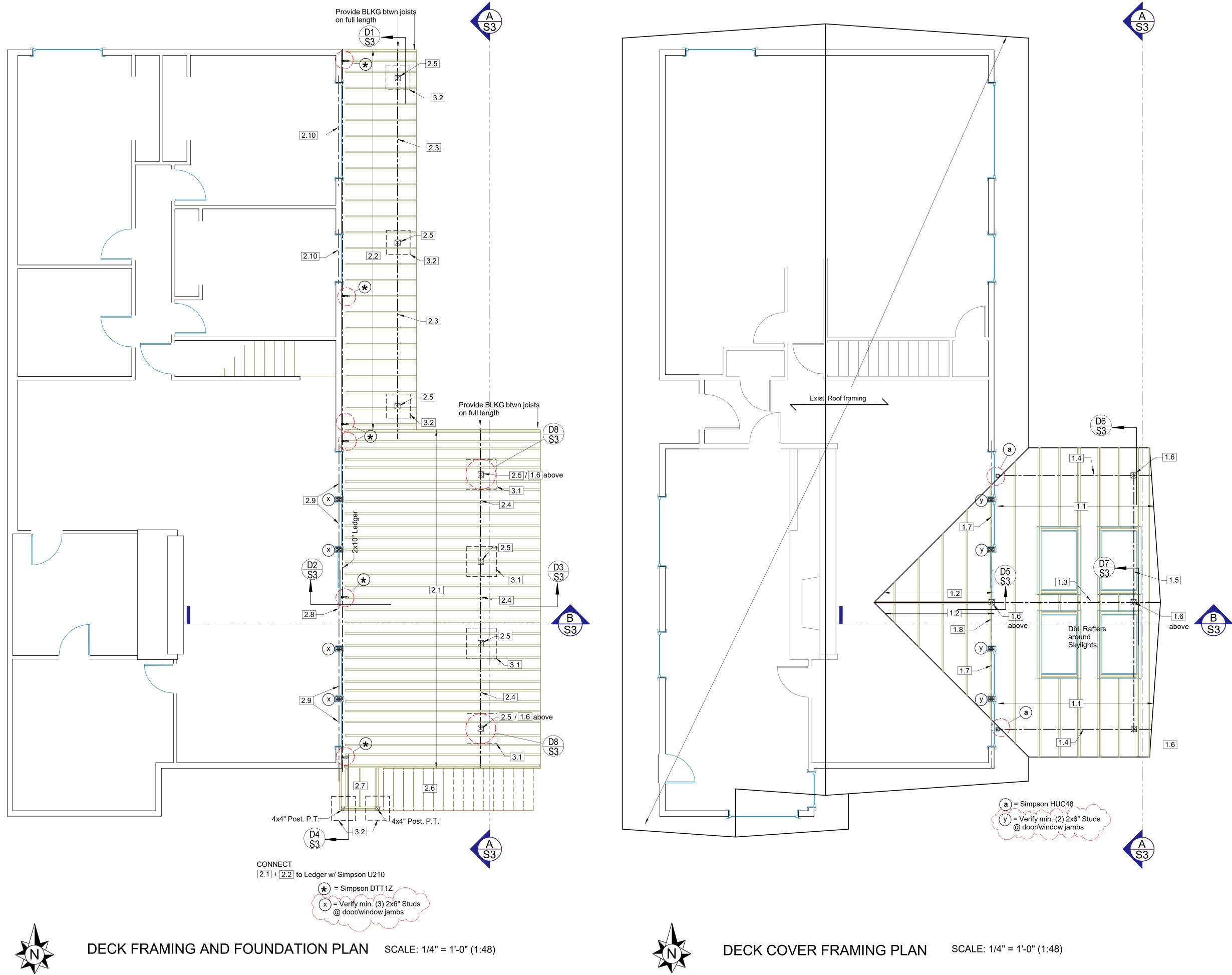
F	EATURE	PENNYWEIGHT				
		6d	8d	10d	12d	16d
L	ength	2	2-1/2	3	3-1/4	3-1/2
D	Diameter	0.113	0.131	0.148	0.148	0.162
Н	lead	0.226	0.281	0.312	0.312	0.344
L	ength	2	2-1/2	3	3-1/4	3-1/2
D	Diameter	0.099	0.113	0.128	0.128	0.135
Н	lead	0.266	0.297	0.312	0.312	0.344
L	ength	1-7/8	2-3/8	2-7/8	3-1/8	3-1/4
D	Diameter	0.092	0.113	0.120	0.135	0.148
Η	lead	0.231	0.266	0.281	0.312	0.344

Special Inspection Requirements per Chapter 17 IBC

5.3 Special Inspections and Tests of Concrete	Continuous Special Inspection	Periodic Special Inspection
reinforcement and verify placement		X
anchors cast in concrete		X
anchors post-installed in hardened concrete members		
ive anchors installed in horizontally or upwardly		
ed orientations to resist sustained tension loads	x	
anical anchors and adhesive		Х
rs not defined in 4.a		
se of required design mix		Х
concrete placement, fabricate specimens for strength	X	
erform slump and air content specimens, and		
ne the temperature of the concrete		
concrete placement for proper application techniques	X	
aintenance of specified curing temperature		Х
nniques		
t formwork for shape, location and dimensions		Х
concrete member being formed		
	•	

05.6 Special Inspections and Tests of Soils	Continuous Special Inspection	Periodic Special Inspection
aterials below sahllow foundations are adequate to		X
e design bearing capacity		
cavations are extended to proper depth and have		X
oper material		
classification and testing of compacted fill material		X
se of proper materials, densities and lift thickness	x	
cement and compaction of compacted fill		
placement of compacted fill, inspect subgrade		Х
that site has been prepared properly		



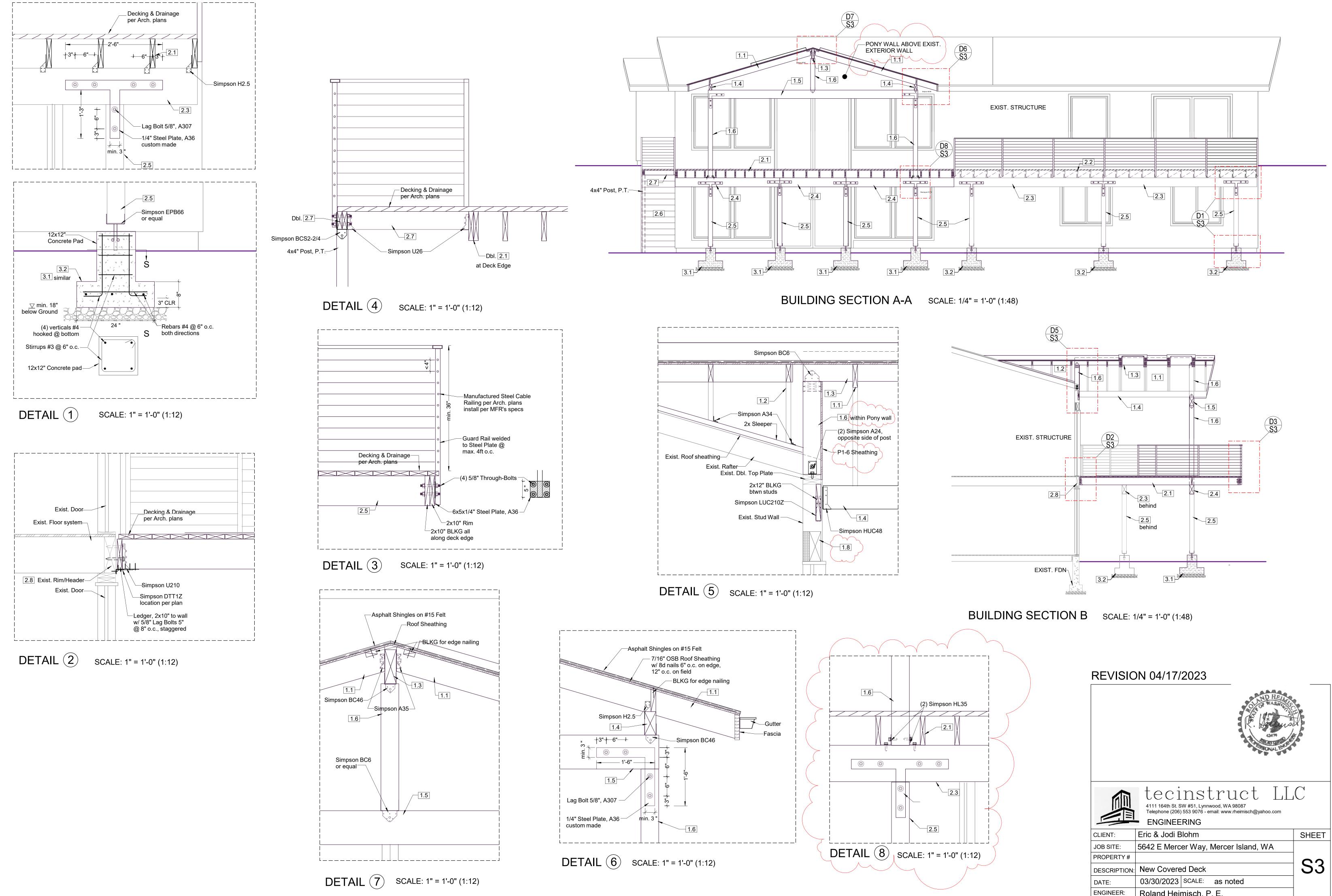


KEY NO.	ROOF LEVEL
1.1	Rafters, HF No.2, 2x8" @ 24" o.c.
1.2	Overframing, HF No.2, 2x6" @ 24" o.c.
1.3	Ridge Beam, DF No.2, 6x10"
1.4	Beam, DF No. 2, 4x8"
1.5	Glulam WS, 24F-1.8E, 5-1/2x10-1/2"
1.6	Post, HF No.2, 6x6", P.T.
1.7	Exist. Header, DF No.2, verify min. 4x8"
1.8	Exist. Header, DF No.2, verify min. 4x10"
Luh	
KEY NO.	DECK
2.1	Deck Joists, HF No.2, 2x10" @ 12" o.c.
2.2	Deck Joists, HF Mo.2, 2x10" @ 16" o.c.
2.3	Beam, HF No.2, 6x12", P.T.
2.4	Beam, HF No.2, 6x12", P.T.
2.5	Post, HF No.2, 6x6", P.T.
2.6	Stair Stringers, HF No.2, 2x12" @ 12" o.c., P.T.
2.7	Landing Joists, HF No.2, 2x6" @ 16" o.c., P.T.
2.8	Exist. Header, verify min. LSL, 1.55E, 2325Fb, 3-1/2x9-1/4"
2.9	Exist. Header, DF No.2, verify min. 4x8"
2.10	Exist. Header, DF No.2, verify min. 4x6"

KEY NO.	FOUNDATION
3.1	Spread Footing, fc = 2,500 psi, 30x30x8"
3.2	Spread Footing, fc = 2,500 psi, 24x24x8"



HEAD HEAD IN THE REAL PROPERTY AND INTERPORT		
tecinstruct LLC 4111 164th St. SW #51, Lynnwood, WA 98087 Telephone (206) 553 9076 - email: www.rheimisch@yahoo.com ENGINEERING		
CLIENT:	Eric & Jodi Blohm	SHEET
JOB SITE:	5642 E Mercer Way, Mercer Island, WA	
PROPERTY #		
DESCRIPTION:	New Covered Deck	S2
DATE:	03/30/2023 SCALE: as noted	1
ENGINEER:	Roland Heimisch, P. E.	



Roland Heimisch, P. E.

