



CITY OF MERCER ISLAND	INSPECTION REQUESTS:	PROJECT ALERTS:	REQUIRED CONSTRUCTION INSPECTIONS:	
DEVELOPMENT SERVICES GROUP	online:	Construction of the project shall be from <i>approved plans only</i> . No deviation from the approved project plans is allowed without prior approval from the City of Mercer Island. Approved plans must be kept on site and maintained in good condition.	It is the applicant's responsibility to contact DSG to schedule ALL inspections appropriate for the project. Request inspections online at www.MyBuildingPermit.com or by calling the Inspection Hotline at (206) 275-7730. Allow at least 24 hours (48 hours for Reinforcing steel)	thest times
9611 SE 36TH STREET MERCER ISLAND, WA 98040	MyBuildingPermit.com	Refer to "Conditions of Permit Approval" provided at permit issuance for required construction rules and regulations, including:	in advance of desired inspection. Be specific as to type of inspection.	
PHONE: 206.275.7605 www.mercergov.org	voicemail:	• Site Considerations• ROW restrictions• Additional Fire Code Requirements• Hours of Work• Drainage Requirements• Planning Requirements	Inspector shall initial and date appropriate inspection <i>only</i> if approved. Note: <i>Items marked with an "*" require a separate permit.</i> It is the applicants responsibility to apply for and obtain all City of Mercer Island permits.	
MlePlan	(206) 275-7730	 Construction Vehicle Parking Restrictions Acess Road Requirements Water Service Requirements Noise Abatement Certification Tree Requirements 	INSPECTIONS: (Listed in order of typical sequencing) Inspector Date Approved	
ALDELING ST		Refer to "Preconstruction Meeting Checklist" provided at the preconstruction meeting for development related requirements.	O Pre-construction Meeting to Review Conditions of Permit Approval. * Tree protection	N N N N N N N N N N N N N N N N N N N
NOTE: ALL RECORDS AND DRAWINGS ARE SUBJECT TO PUBLIC DISCLOSU CONTACT INFORMATION:	RE AS REQUIRED BY RCW 42.56	Erosion control measures must be as shown on approved project drawings. All erosion control is to be in place and inspected	Erosion control	ā
Applicant is to complete the following information.		prior to the start of any site work. A City of Mercer Island Business License is required for all subcontractors. Call (206) 275-7783 for more information.	Image:	
Applicant Contact information prior to permit issuance: Applicant Cont	act information <i>post</i> permit issuance:	TREE PROTECTION REQUIREMENTS:	separate ROW permit required Land clearing, grading and demolition	
Name: Name:		Tree protection as shown on approved drawings shall be installed at tree dripline prior to start of any site work and must remain in place throughout the project.	Temporary power Pilings / Shoring / Shotcrete. If applicable, provide survey letter	AN ve be
Address: Address:		No trees shall be cut without a City of Mercer Island tree permit.	(property line); Geotechnical Engineer / Special Inspector	d.
Phone: Phone:		 Replacement trees must be a minimum of six feet tall at installation. They must be planted and approved prior to final inspection. For this project, trees are authorized to be removed and replaced with trees. 	reports of inspections (pile and shoring installation, etc.) Footings, setbacks, UFER ground. If applicable, provide survey letter	ction
Email: Email:		This project appears to be within a protected eagle nest area. Contact Federal Fish and Wildlife at (360) 534-9304 or visit their website at http://www.fws.gov/pacific/eagle	(building height and setbacks); Special Inspector reports of inspections (soil bearing capacity, compaction, earthwork, pile installation, etc.)	app
		FIRE PROTECTION REQUIREMENTS:	Foundation walls / concrete columns	OF red i
REQUIRED SPECIAL INSPECTIONS / STRUCTURAL OBSERV		Separate Permits are required for ALL fire protection systems. For more information, see http://www.mercergov.org/Page.asp?NavID=2614		FE
It is the Engineer of Record's responsibility to specify all required Special Inspections of The owner is responsible for hiring an approved private Special Inspector for the check		Fire Sprinkler Monitored Household NFPA 13D Fire Alarm per NFPA 72	* Storm drainage, including (but not limited to): • Connections to storm • Area drains 	CAT all r
Inspectors (except Geotechnical) must be WABO certified.When Special Inspection or Structural Observation is required, the report shall be submit	itted to the City Building Inspector prior to the City	Plus Monitored Sprinkler NFPA 13R Water Flow Alarm	main in ROW • Conveyance piping / cleanouts • Detention systems • Storm drain in ROW	after
Inspection. Note: Inspection by the City Inspector is required in addition to the Special		NFPA 13 Other:	Infiltration systems Control structures / manholes	RT sued
below. Do not cover or conceal any work prior to the City inspection.		Approved Fire Code Alternatives: FCA1 FCA3	Catch basins including Oil-water separator tees Retaining wall drainage	CE Iss Approv
STRUCTURAL OBSERVATION BY ENGINEER OF RECORD (EOR): Engineer of Record: Company:	Phone:	□ FCA2 □ FCA4	→ Water Service Water Supply	
General Conformance to Construction Documents			Water as-built drawings	
SOILS / GEOTECHNICAL:		WATER SUPPLY REQUIREMENTS:	* Side sewer installation, including (but not limited to): • Connections to side • Back-flow valves	
Special Inspector: Company: Erosion control measures Subsurface c	Phone: Irainage placement	 Fire sprinkler design calculations must be provided prior to determining water supply system requirements. Water Supply system upgrade required 	sewer main• Grinder pump systems • Connections to existing • Sewer manholes	
Shoring installation and monitoring	terial and compaction	City Installation.		
Observe and monitor excavation Rockery instance Verification of soil bearing Pile placement	allation ent (auger cast/driven pile)	Applicant Installation. Required Service Line Size: Required Supply Line Size: Required Meter Size:	Driveway / Access road Underslab electrical / mechanical / plumbing	
Other: Other:		(water main to meter) (water main to house) Abandonment of existing service and meter required at main.	Underslab insulation / vapor barrier / reinforcing	
REINFORCED CONCRETE: Special Inspector: Company:	Phone:	Pressure reducing valve required if pressure exceeds 80 psi.	S Nailing-Roof sheathing. If applicable, provide Special Inspection	
	all construction	Reduced pressure backflow assembly (RPBA) required for all lots with waterfront or non-city water supply (private wells or lake irrigation).	Interference	
 Reinforcing steel and concrete placement Shotcrete placement Other: 	/ Precast construction	Additional water supply requirements:	 Inspection letter for lateral wood inspection. Rough hydronic installation 	
Other: Other:		ORAINAGE REQUIREMENTS: On site detention system required Direct discharge into the lake	Image: Second	
STRUCTURAL STEEL: (AISC 360, Chapter N)	Phone:	On site infiltration system required.	A Rough plumbing installation (DWV, water)	
Special Inspector: Company: Fabrication and shop welds Moment Fra	me construction	O As-built Utility drawings required. Connection to public storm drainage conveyance system req'd. Image: Full Size drawings required. Other: Image: State St	Image: Second	
 Structural steel erection, field welds and bolting Other: Other: 		SIDE SEWER REQUIREMENTS:	O * Rough fire sprinkler / hydrostatic and flow (bucket) test J * * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprinkler / hydrostatic and flow (bucket) test * Image: Sprink	
STRUCTURAL MASONRY:		Side sewer requires a backflow preventer when connecting to the lake line or when the elevation of the lowest plumbing fixture is	O lateral wood inspection, welding epoxy anchors, etc.	
Special Inspector: Company:	Phone:	lower than the elevation of the upstream manhole rim or when side sewer is shared with one or more properties. Video tape of existing sewer required (see standard details)	Masonry construction (fireplace / walls / veneer / etc.) Insulation installation	
	asonry installation nd veneer installation	 New connection. Connect to existing. Disconnect permit required. Reconnect permit required. 	Stucco (paper and lath) Shower pan (or tub)	
Other: Other: Other: Other:		Note: When side sewer is to be connected to the lake line you will need to schedule three (3) days in advance with the City of Mercer Island Maintenance Department at (206) 275-7800.	Miscellaneous	
		APPROVED CODE ALTERNATIVES:	Code Alternative CA2:	
WOOD: Special Inspector /		Code alternatives must be Inspected. Refer to the Inspection Checklist	Impact Fees Paid (If applicable)	
Engineer of Record: Company: Lateral resisting system construction I High strengt	Phone: h diaphragm construction	□ CA1: □ CA2:	Final Inspection: Tree Restoration	
Other: Other:			Sprinkler Fuel Tank Installation	
OTHER SPECIAL INSPECTIONS:		SURVEY REQUIREMENTS (The following survey information must be submitted when checked):	Access Road Fire Extinguishing System Fire Code Alternatives (see below) Fire Alarm System	
Special Inspector: Company: Company: Stucco instal	Phone:	Surveyor shall verify points chosen for height calculations and point verification shall be submitted at the time of City foundation	FCA1: FCA3: FCA2: FCA4:	
Expansion anchor installations		Inspection. A property survey may be required to verify setbacks and in some cases buildings must be surveyed onto the lot. The City reserves the right to request an impervious area survey at any time prior to issuance of Certificate of Occupancy.	Final Inspection: Water supply protection, including (but not limited to) TW backflow devices for:	• •
Alternative construction methods:		Surveyor:Phone:	Waterfront property Well water on property	E ES
Alternative construction materials: Other: Other:		 Building height survey Building setback survey 	Final Inspection: Site and utility: includes landscape, utilities and ROW. Site TS	
The Applicant is required to select all deferred submittals / shop drawings for submitt	al to the City for review and approval prior to item	Impervious surface survey	restoration complete and as-built drawings ready for submittal Final Inspection: Building, including electrical / mechanical / plumbing. If TB	
fabrication / construction.	lavout		applicable, provide closeout (summary) letters from Engineer, Special	APR AD
Connector plate wood trusses Post tension Metal joist / metal trusses Exterior clad	ding	A Building Inspection prior to demolition is required for all legally nonconforming single family dwelling to ensure no more than 40 percent of the dwelling's exterior walls are structurally altered. Contact the Building Inspector at (206) 275-7730.	90 DAY TEMPORARY CERTIFICATE OF OCCUPANCY (TCO):	
 Premanufactured structures (stairs, etc.) Precast concrete elements Other: 	I / curtain wall construction	Civil / Drainage LUP / Setback requirements		KEPT MES
Other: Other:		GEOTECHNICAL INFORMATION: Land clearing, grading, filling and foundation work within geologic hazard areas is NOT PERMITTED between October 1 and April 1		
ENERGY CODE COMPLIANCE INFORMATION: Indicate where the following information is located in the drawing set. Alternatively, i	ncornorate or include the Residential Energy Code	without an approved Seasonal Development Limitation Waiver.	Approved Start Date End Date	
Prescriptive Compliance (RECPC) Form into the drawing set.	neorporate of mende the residential chergy code	Geotechnical Report provided. All construction must comply with the recommendations of the Geotechnical Report. A copy of report and other geotechnical information must be kept on site at all times.	ADDITIONAL REQUIRED CITY INSPECTIONS:	
Sheet:		Geotechnical Engineer Phone	Call the appropriate contact to arrange the inspection. Required Inspection(s): Contact: Phone: Scheduling:	GS N ITE A DE C
	Testing. IRC Section R402.4.1.2 WA Amendments	SEASONAL DEVELOPMENT LIMITATION RESTRICTION:		
Whole house ventilation: IRC Section M1507 WA Amended does not	air leakage test report verifying air leakage rate t to exceed 5 air changes per hour.	 Applies (Geologic Hazard area). Grading not permitted between October 1 through April 1. Waiver approved. Grading and excavation permitted subject to all conditions noted in Seasonal Development 		NAV NIC
Energy Credit Information: WSEC Table 406.2	e Testing. wsec R403.2.2 ction Test. wsec R403.2.2.1	Limitation Waiver Permit.		
(include specific, written requirements) I Rough-in Te		Permit number Approved by Date	IMPACT FEES: PLAN REVIEW APPROVALS: If applicable. Not all review disciplines may be required to review the documents.	VED VED
RECPC Form Information: (if incorporated within drawing set) http://www.marraray.org/files/1013ResidentialEnergy/CaleEnerg.pdf			Impact fees apply and are due <i>prior</i> to Final Inspection or on	TH JEV
http://www.mercergov.org/files/2012ResidentialEnergyCalcForm.pdf			Image: Construction of the second sec	APP ON RE
FILE NAME: DSG CVR 2016 24x36.PDF		Ψ.	Date Building Planning Engineering Tree Fire REVISED: JULY 2019	-

GENERAL NOTES

- CONTACT ARCHITECT IMMEDIATELY REGARDING ANY DISCREPANCIES IN THE DRAWINGS OR SPECIFICATIONS PRIOR TO STARTING WORK
- VERIFY ALL FIELD CONDITIONS BEFORE BEGINNING CONSTRUCTION.
- VERIFY DIMENSIONS BEFORE BEGINNING CONSTRUCTION.
- DIMENSIONS ARE TO FACE OF STUDS AND FACE OF CONCRETE, EXCEPT WHERE OTHERWISE NOTED.
- ALL APPLICABLE CODES, ORDINANCES, AND MINIMUM STRUCTURAL REQUIREMENTS TAKE PRECEDENCE OVER ALL DRAWINGS, NOTES, SPECIFICATIONS, AND SIZES.
- COMPLIANCE IS REQUIRED WITH THE 2018 IBC AND/OR 2018 IRC, WSEC, AND OTHER CODES ADOPTED AS AMENDED BY CITY OF MERCER ISLAND.

EXISTING HOUSE

 WORK AT EXISTING HOUSE IS LIMITED TO STRUCTURAL ATTACHMENT OF THE ADDITION AND THE EXTENSION OF UTILITIES TO THE ADDITION.

DEMOLITION

 ALL MATERIALS AND DEBRIS, NOT SCHEDULED TO BE USED ON SITE ARE TO BE REMOVED FROM SITE AND RECYCLED ACCORDING TO THE SALVAGE ASSESMENT.

SITE WORK

- EXCAVATED MATERIALS MUST BE DISPOSED AT AN APPROVED DISPOSAL LOCATION
- DOWNSPOUTS TO BE CONNECTED TO EXISTING TIGHTLINES ALL STAGING OF MATERIALS MUST BE DONE FROM EXISTING **IMPERVIOUS SURFACES**
- RESTORE AND LANDSCAPE ALL PAVED AREAS SCHEDULED TO BE REMOVED AND NOT INCORPORATED IN NEW CONSTRUCTION
- CONTRACTOR MUST OBTAIN STREET USE PERMITS FROM CITY OF MERCER ISLAND OR OTHER AGENCIES AS NEEDED

MECHANICAL, ELECTRICAL, PLUMBING

- TRADES ARE RESPONSIBLE FOR OBTAINING PERMITS AS REQUIRED
- THESE DRAWINGS ARE "DESIGN/BUILD" FOR MECHANICAL ELECTRICAL, AND PLUMBING TRADES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING THESE TRADES AND NOTIFYING THE ARCHITECT OF ANY CONFLICTS PRIOR TO BEGINNING THE WORK. WHEREVER POSSIBLE FRAMING MEMBERS SHALL BE LOCATED TO ACCOMMODATE THE WORK OF THESE TRADES. IF THIS CANNOT BE DONE WITHOUT COMPROMISING THE STRUCTURAL REQUIREMENTS. NOTIFY ARCHITECT IMMEDIATELY. PARTICULAR CARE SHOULD BE TAKEN TO ALLOW FOR THE PROPER LOCATION OF RECESSED LIGHT FIXTURES AND HEAT REGISTERS. CUTTING, DRILLING, OR WHOLE CUTTING IN COMPOSITE MATERIALS (PSL, LVL, TJI, ETC.) MUST FOLLOW RECOMMENDATIONS OF MANUFACTURER. DUCTWORK SHALL NOT BE SOFFITED WITHOUT APPROVAL BY ARCHITECT.

GENERAL VENTILATION

- PROVIDE CONTINUOUS 1" MINIMUM AIR SPACE ABOVE INSULATION FOR VENTILATION IN ALL ROOFS. USE INSULATION **BAFFLES AS NECESSARY.**
- PROVIDE NEW ROOF VENTING WHERE SHOWN
- EAVE BLOCKING TO BE DRILLED AND SCREENED • PROVIDE MINIMUM OF 1 SQ. FT. VENT SPACE PER 150 SQ. FT. OF AREA TO BE VENTED AT TRUSS ROOF.
- PLACE NO LESS THAN 40% AND NO MORE THAN 50% OF VENT AREA IN THE UPPER 3 FT. OF THE ROOF TO BE VENTED
- PROVIDE MINIMUM OF 1 SQ. FT. VENT SPACE PER 150 SQ.FT. OF AREA TO BE VENTED AT CRAWLSPACE. ARRANGE VENTS FOR CROSS VENTILATION.
- PROVIDE EXHAUST FANS WHERE SHOWN ON DRAWINGS

PLUMBING FIXTURES

- LAVATORY FAUCET FLOW: 1.2 GPM MAXIMUM
- SHOWER FLOW:
- **1.8 GPM MAXIMUM** WATER CLOSET (SINGLE FLUSH): 1.28 GPM MAXIMUM
- WATER CLOSET (DUAL FLUSH): 1.28 GPM AVERAGE
- INSULATE ALL HW DISTRIBUTION PIPES TO R-3 MINIMUM

MOISTURE PROTECTION

- ALL WOOD IN CONTACT WITH CONCRETE OR THE GROUND
- SHALL BE PRESSURE TREATED. • WOOD FRAMING WITH LESS THAN 1'-6" CLEARANCE AT
- CRAWLSPACES TO BE PRESSURE TREATED. CLEARANCE BETWEEN WOOD AND EARTH SHALL BE 8" MINIMUM.
- FLASH ALL OPENINGS.
- INSTALL WATERSHIELD AT ALL NEW WINDOW AND DOOR **OPENINGS** PROVIDE MINIMUM 26 GAUGE METAL FLASHING AT ALL
- HORIZONTAL EXTERIOR TRIM.
- CAULK ALL OPENINGS THOROUGHLY.

LIFE SAFETY

- **REQUIRED BY SRC 302.11,**
- CODE. INTERCONNECT SMOKE DETECTORS

GLAZING AND DOORS

- - TEMPERED GLASS
- GLASS.
- STATE ENERGY CODE STANDARDS.

ENERGY AND VENTILATION

HEATING AND VENTILATION SYSTEMS AT ADDITION AND EXISTING HOUSE ARE FULLY SEPARATE. NO WORK AT EXISTING HOUSE.

 ADDITION AREA: 522 SF HEATED FLOOR AREA CREDITS REQUIRED: 3

0.5 CREDIT:

0.5 CREDIT:

2.0 CREDITS:

- INSULATION
 - ROOF: WALLS:
 - FLOORS: R-38 MINIMUM

- INSULATION OR FOAM.

EXISTING HOUSE)

- **REQUIREMENTS OF IRC M1505.**
- INTERMITTENTLY WITH TIMER.

- EXISTING STORM DRAINAGE SYSTEM
- 1/4" SPACING BETWEEN BOARDS.

- HEADERS: R-10 WINDOWS: U = 0.28 MAX
- POSSIBLE.

- FLOOR.
- GKF32S1 OR EQUIVALENT ALDES AIRLET).

STORM DRAINAGE

- SEE IMPERVIOUS CALCULATIONS ON A-1
- TIE ALL NEW DOWNSPOUTS TO EXISTING.

 PROVIDE APPROVED FIREBLOCKING AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES AROUND VENTS, DUCTS, CHIMNEYS, SOFFITS, AT 10 FOOT INTERVALS ALONG WALLS, AND OTHER LOCATIONS AS PROVIDE LINE VOLTAGE SMOKE AND CO DETECTORS WITH

BATTERY BACKUP AS SHOWN ON PLANS OR AS REQUIRED BY

 GLAZING WITHIN 18" OF FLOOR OR GRADE AND GREATER THAN 18" IN LEAST DIMENSION TO BE APPROVED TEMPERED GLASS GLAZING WITHIN 12" ADJACENT TO A DOOR: APPROVED

NEW GLAZING IN BATHROOMS SHALL BE APPROVED TEMPERED

 GLAZED DOORS, GLAZED SHOWER/TUB ENCLOSURES TO BE GLAZED WITH APPROVED TEMPERED GLASS. ALL NEW WINDOWS AND GLAZED DOORS TO MEET MINIMUM U-

VALUE OF 0.28 AS DETERMINED BY CURRENT WASHINGTON

ENERGY AT ADDITION (NO WORK AT EXISTING HOUSE)

- FUEL NORMALIZATION PER TABLE R406.2 SYSTEM TYPE 4 (DUCTLESS MINI-SPLIT)
- EFFICIENT BUILDING ENVELOPE PER TABLE R406.3 OPTION 1.3. SEE VALUES BELOW
- HIGH EFFICIENCY HVAC PER TABLE R406.3 OPTION 3.6. DUCTLESS MINI-SPLIT SYSTEM WITH NO ELECTRIC RESISTANCE HEATING IN PRIMARY LIVING AREA. HSPF 10 MIN.

R-49 MINIMUM

R-21 MINIMUM

 INSULATE ALL HW DISTRIBUTION PIPES TO R-3 MINIMUM MAINTAIN REQUIRED 1" MIN. AIRSPACE AT ROOF INSULATION HEATING UNITS TO MAINTAIN 70 DEGREES F AT 3 FT. ABOVE FLOOR WHEN OUTSIDE TEMPERATURE IS 10 DEGREES F. CAULK ALL JOINTS AROUND EXTERIOR OPENINGS AND AT ANY JOINTS IN SIDING OR FLASHING WHERE AIR INFILTRATION IS

 RECESSED CAN LIGHT MUST BE IC RATED AND SEALED FILL VOIDS AND CRACKS AT EXTERIOR WALLS WITH CAULK.

PROVIDE WEATHERSTRIPPING AT ALL WINDOWS

WHOLE HOUSE VENTILATION AT ADDITION (NO WORK AT

 VENTILATION, INCLUDING WHOLE HOUSE VENTILATION AND POINT OF USE EXHAUST FANS SHALL MEET THE

 WHOLE HOUSE VENTILATION SHALL BE PROVIDED USING EXHAUST FANS PER IRC TABLE M1505.4.3(1). IN CONTINUOUS OPERATION A MINIMUM OF 30 CFM IS REQUIRED. PROVIDE CAPABILITY FOR FAN TO OPERATE EITHER CONTINUOUSLY OR

EXHAUST FAN LOCATION IS AT LAUNDRY. SPECIFIED FAN IS RATED AT 90 CFM. FAN MAXIMUM SOUND RATING: 1.0 SONE. MINIMUM INTERMITTENT RUN TIME NO LESS THAN 1 HOURS IN EVERY 2 HOUR SEGMENT PER TABLE 1505.4.3(2).

UNDERCUT LAUNDRY DOOR MINIMUM 1" ABOVE FINISHED

 PROVIDE SCREENED PASSIVE FRESH AIR INLET VENT WITH BACKDRAFT DAMPER AT MEDIA ROOM. (PANASONIC FV-

• NET REDUCTION OF IMPERVIOUS SURFACE OF 14 SF. ALL STORM DRAINAGE FROM ADDITION TO BE TIED INTO

NEW SPACED WOOD DECK IS LOCATED OVER EXISTING SOIL.

ADDITION 4524 90th AVENUE SE MERCER ISLAND, WA

OWNER: **ERIN DILLON and JORDAN NAFTOLIN** 4524 90th AVENUE SE MERCER ISLAND, WA

ARCHITECT:

HERSCHEL PARNES 1604 MADRONA DRIVE SEATTLE, WA 98122 206-856-5215 parnes.arch@gmail.com

APN: 09110-0140

LEGAL DESCRIPTION: LOT 12 BLOCK 2 ALLVIEW HEIGH LESS S 5 FT TGW S 10 FT OF LOT	
LOT COVERAGE LOT AREA (Core Design Survey):	10163 SF
ALLOWABLE COVERAGE (40%):	4065 SF
HOUSE (existing): COVERED PATIO (existing): VEHICULAR (existing): EXISTING COVERAGE:	2275 SF 165 SF 926 SF 3366 SF
HOUSE (proposed): COVERED PATIO (proposed): VEHICULAR (proposed): PROPOSED COVERAGE:	2880 SF 165 SF 470 SF 3515 SF
% LOT COVERAGE (PROPOSED):	34.5 %
IMPERVIOUS SURFACE	
HOUSE (existing): PATIOS (existing): WALKWAY (existing): DRIVEWAY (existing): EXISTING IMPERVIOUS:	2275 SF 794 SF 84 SF 926 SF 4079 SF
HOUSE (increased): PATIOS (reduced): WALKWAY (no change): HOT TUB (new): DRIVEWAY (reduced): PROPOSED IMPERVIOUS:	2880 SF 590 SF 84 SF 41 SF 470 SF 4065 SF
NET IMPERVIOUS REDUCTION: % PROPOSED IMPERVIOUS:	14 SF 40.0 %
GROSS FLOOR AREA	
EXISTING: MAIN FLOOR: 1296 SF 2ND FLOOR: 926 SF GARAGE: 417 SF	2639 SF
PROPOSED MAIN LEVEL: 1864 SF 2ND FLOOR: 926 SF GARAGE: 417 SF	3207 SF
% GROSS FLOOR AREA:	31.6%
HARDSCAPE 9% + BORROWED COVERAGE 915 SF + (4065 – 3515) = 1465 SF ALL	OWABLE
EXISTING PATIOS: 629 SF WALKWAY: 84 SF ROCKERY: 50 SF	763 SF
PROPOSED PATIOS: 425 SF WALKWAY: 84 SF ROCKERY: 50 SF SPACED WOOD DECK: 141 SF STAIRS: 10 SF HOT TUB: 41 SF	751 SF
% HARDSCAPE PROPOSED:	7.4%

"=10"

358

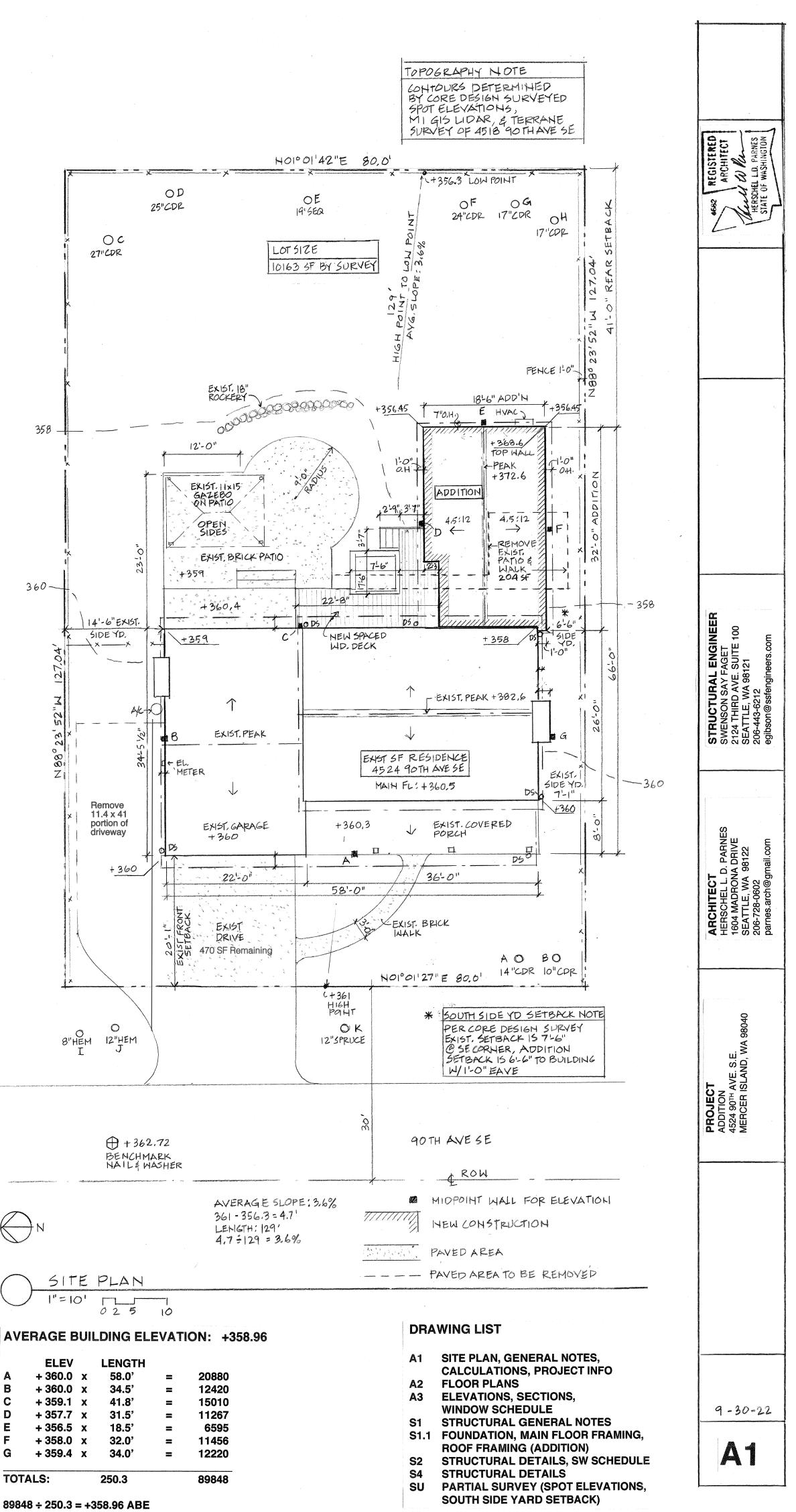
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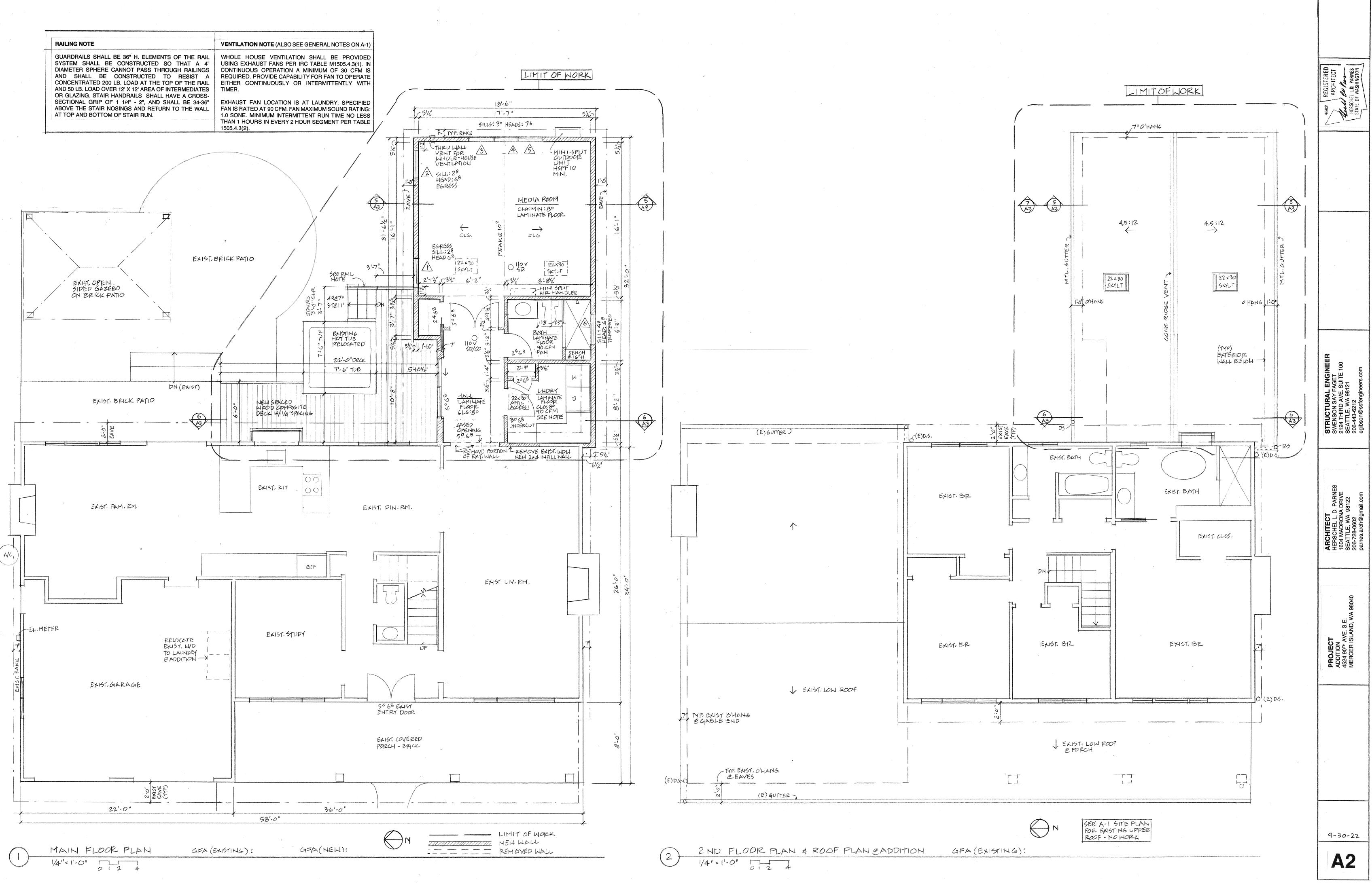
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Α	+ 360.0	Х
В	+ 360.0	Х
С	+ 359.1	х
D	+ 357.7	х
E	+ 356.5	X
F	+ 358.0	X
G	+ 359.4	Х

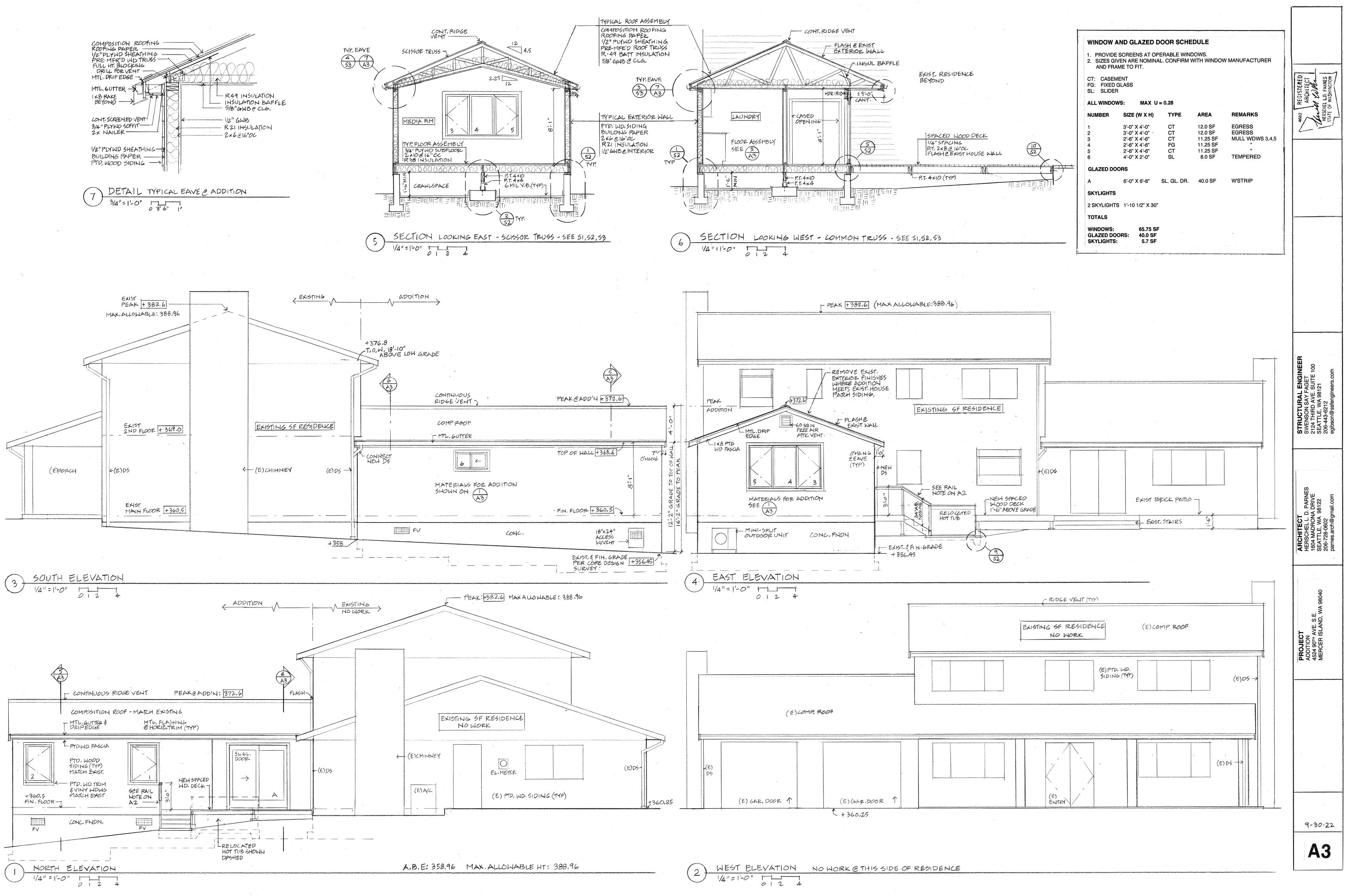
TOTALS:

TREES

TREES ARE NOTED AND NUMBERED ON SITE PLAN. NO TREES WILL BE **REMOVED OR IMPACTED BY THIS** PROJECT.







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	NORMAN AND		-

	CRITERIA		
1.	ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2018 EDITION).	15.	OTI
2.	DESIGN LOADING CRITERIA:		6" 8" 10'
	RESIDENTIAL - ONE AND TWO-FAMILY DWELLINGS FLOOR LIVE LOAD		12
	ROOF ROOF LIVE LOAD	16.	CA: DII
	SCHOOLS FLOOR LIVE LOAD (CLASSROOMS)		ME(OPI GR(FII PRI
	DECKS	17.	EP(DR/
	DEFLECTION CRITERIA LIVE LOAD DEFLECTION		MAI ACO TEI NO
	ENVIRONMENTAL LOADS RAIN	18.	ANO IDI ANO COI INS COI "TI
3.	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 TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.		TI 27 RE FU
•	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".	19.	FRI COI LUI FUI
ō.	DEFERRED SUBMITTALS: SHOP DRAWINGS AND CALCULATIONS OF DEFERRED SUBMITTAL COMPONENTS SHALL BE STAMPED AND SIGNED BY A STRUCTURAL ENGINEER LICENSED IN THE STATE OF WASHINGTON AND SHALL BE APPROVED BY THE COMPONENT DESIGNER PRIOR TO REVIEW BY THE ARCHITECT OR ENGINEER OF RECORD FOR GENERAL CONFORMANCE. ALL NECESSARY CONNECTIONS NOT SPECIFICALLY CALLED OUT ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE INCLUDED. SHOP DRAWINGS SHALL INCLUDE THE MAGNITUDE AND DIRECTION OF ALL LOADS IMPOSED ON THE BASIC STRUCTURE. DESIGN CALCULATIONS SHALL ACCOMPANY ALL DEFERRED SUBMITTALS. THE ARCHITECT OR CONTRACTOR SHALL FORWARD DEFERRED SUBMITTALS TO THE BUILDING OFFICIAL WHERE REQUIRED.		ANI BEZ POS
	DEFERRED SUBMITTAL BUILDING COMPONENTS FOR THIS PROJECT SHALL INCLUDE:		
	PREFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES GEOTECHNICAL		ST
5.	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 ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.	20.	PRI MAI PLI IN:
	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.		BE
	BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.		
	ALLOWABLE SOIL PRESSURE		
	RENOVATION		WO SUI
7.	DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES. DEMOLITION DEBRIS SHALL NOT BE ALLOWED TO DAMAGE OR OVERLOAD THE EXISTING STRUCTURE. LIMIT CONSTRUCTION LOADING (INCLUDING DEMOLITION DEBRIS) ON EXISTING FLOOR SYSTEMS TO 40 PSE.		STH SHA STA HIH HIH STH

8. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IF EXISTING CONDITIONS DETERMINED DURING WORK VARY FROM THE EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS.

EXISTING FLOOR SYSTEMS TO 40 PSF.

9. CONTRACTOR SHALL CHECK FOR DRY ROT AT ALL AREAS OF NEW WORK. ALL ROT SHALL BE REMOVED AND DAMAGED MEMBERS SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE STRUCTURAL ENGINEER OR ARCHITECT.

CONCRETE

- 10. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF f'c = 3,000 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS. REQUIRED CONCRETE STRENGTH IS BASED ON THE DURABILITY REQUIREMENTS OF SECTION 1904 OF THE IBC. DESIGN STRENGTH IS f'c = 2,500 PSI.
- 11. ALL CONCRETE WITH SURFACES EXPOSED TO WEATHER OR STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, AND C618. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-14, TABLE 19.3.2.1 MODERATE EXPOSURE, F1.
- 12. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, FY = 60,000 PSI.
- 13. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 315R-18 AND 318-14. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318-14, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

14. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS: FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#6 BARS OR LARGER) . . . 2" FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALLER). 1-1/2" SLABS AND WALLS (INT. FACE). . . GREATER OF BAR DIAMETER PLUS 1/8" OR 3/4" ONCRETE WALL REINFORCING--PROVIDE THE FOLLOWING UNLESS DETAILED THERWISE:

6" WALLS	#4 @ 16 HORIZ.	
8" WALLS	#4 @ 12 HORIZ.	
10" WALLS	#4 @ 18 HORIZ.	
12" WALLS	#4 @ 16 HORIZ.	

CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND IMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL PENINGS 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 RECAST.

EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE RAWINGS SHALL BE INSTALLED USING "SET-XP" HIGH STRENGTH EPOXY AS ANUFACTURED BY THE SIMPSON STRONG, TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2508. MINIMUM BASE MATERIAL EMPERATURE IS 50 DEGREES, F. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED. PERIODIC SPECIAL INSPECTION OF INSTALLATION IS REQUIRED TO VERIFY ANCHOR OR EMBEDDED BAR TYPE AND DIMENSIONS, LOCATION, ADHESIVE IDENTIFICATION AND EXPIRATION, HOLE DIMENSIONS, HOLE CLEANING PROCEDURE, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS. ONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR HORIZONTAL AND OVERHEAD NSTALLATIONS.

ONCRETE SCREW ANCHORS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE 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 EQUIREMENTS. SCREW ANCHORS INTO CONCRETE MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED.

URNISH TO THE FOLLOWING MINIMUM STANDARDS: OISTS (2X & 3X MEMBERS) AND BEAMS

(4X MEMBERS)

(INCL. 6X AND LARGER)

(4X MEMBERS) OSTS

(6X AND LARGER)

TUDS, PLATES & MISC. FRAMING:

E AS FOLLOWS:

TOP CHORD LIVE LOAD TOP CHORD DEAD LOAD BOTTOM CHORD DEAD LOAD TOTAL LOAD

WIND UPLIFT (TOP CHORD) BOTTOM CHORD LIVE LOAD (BOTTOM CHORD LIVE LOAD DOES NOT ACT CONCURRENTLY WITH THE ROOF LIVE LOAD)

NOOD TRUSSES SHALL UTILIZE APPROVED CONNECTOR PLATES (GANGNAIL OR EQUAL). UBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND TRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SUBMITTED DOCUMENTS SHALL BE SIGNED AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON. PROVIDE FOR SHAPES, BEARING POINTS, INTERSECTIONS, HIPS, VALLEYS, ETC., SHOWN ON THE DRAWINGS. EXACT COMPOSITION OF SPECIAL HIP, VALLEY, AND INTERSECTION AREAS (USE OF GIRDER TRUSSES, JACK TRUSSES, STEP-DOWN TRUSSES, ETC.) SHALL BE DETERMINED BY THE MANUFACTURER UNLESS SPECIFICALLY INDICATED ON THE PLANS. PROVIDE ALL TRUSS TO TRUSS AND TRUSS TO GIRDER TRUSS CONNECTION DETAILS AND REQUIRED CONNECTION MATERIALS. PROVIDE FOR ALL TEMPORARY AND PERMANENT TRUSS BRACING AND BRIDGING.

21. 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.

SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING.

22. ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE OR (2) LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER SHALL BE PROVIDED BETWEEN UNTREATED WOOD AND CONCRETE OR MASONRY.

23. PRESERVATIVE TREATED WOOD SHALL BE TREATED PER AWPA STANDARD U1 TO THE USE

GENERAL STRUCTURAL NOTES

AZCA

#4	Ø	18	VERTICAL	1	L	CURTAIN
#4	Q	18	VERTICAL	1	L	CURTAIN
#4	Ø	18	VERTICAL	2	2	CURTAINS
#4	Q	18	VERTICAL	2	2	CURTAINS

ANCHORAGE

WOOD

RAMING LUMBER SHALL BE S-DRY, KD, OR MC-19, AND GRADED AND MARKED IN ONFORMANCE WITH WCLIB STANDARD No. 17, GRADING RULES FOR WEST COAST UMBER, 2018, OR WWPA STANDARD, WESTERN LUMBER GRADING RULES 2017.

> HEM-FIR NO. 2 MINIMUM BASE VALUE, Fb = 850 PSI

DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fb = 1000 PSI

DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fb = 1350 PSI

DOUGLAS FIR-LARCH NO. 2

MINIMUM BASE VALUE, Fc = 1350 PSI

MINIMUM BASE VALUE, Fc = 1000 PSI

DOUGLAS FIR-LARCH NO. 2 OR HEM-FIR NO. 2

DOUGLAS FIR-LARCH NO. 1

REFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE ANUFACTURER IN ACCORDANCE WITH THE "NATIONAL DESIGN STANDARD FOR METAL LATE-CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/TPI 1" BY THE TRUSS PLATE INSTITUTE FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS. LOADING SHALL

25	PSF
10	PSF
5	PSF
40	PSF
5	PSF

10 PSF

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"

REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING REQUIREMENTS.

CATEGORY EQUAL TO OR HIGHER THAN THE INTENDED APPLICATION. TREATED WOOD FOR ABOVE GROUND USE SHALL BE TREATED TO AWPA UC3B. WOOD IN CONTINUOUS CONTACT WITH FRESH WATER OR SOIL SHALL BE TREATED TO AWPA UC4A. WOOD FOR USE IN PERMANENT FOUNDATIONS SHALL BE TREATED TO AWPA UC4B.

24. FASTENERS AND TIMBER CONNECTORS USED WITH TREATED WOOD SHALL HAVE CORROSION RESISTANCE AS INDICATED IN THE FOLLOWING TABLE, UNLESS OTHERWISE NOTED.

CONDITION

WOOD TREATMENT HAS NO AMMONIA CARRIER CONTAINS AMMONIA CARRIER

CONTAINS AMMONIA CARRIER

CONTAINS AMMONIA CARRIER

INTERIOR DRY G90 GALVANIZED INTERIOR DRY PER ASTM A653 INTERIOR WET EXTERIOR ANY

PROTECTION

G185 OR A185 HOT DIPPED OR CONTINUOUS HOT-GALVANIZED TYPE 304 OR 316 STAINLESS TYPE 304 OR 316 STAINLESS TYPE 304 OR 316 STAINLESS

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

25. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C-C-2019. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER FOR MAXIMUM LOAD CARRYING CAPACITY. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL 2X JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST HANGERS. ALL TJI JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "ITS" SERIES JOIST HANGERS. ALL DOUBLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH "MIT" SERIES JOIST HANGERS.

WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER.

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

26. WOOD FASTENERS

A. NAIL SIZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

SIZE	LENGTH	DIAMETER
6d	2"	0.113"
8d	2-1/2"	0.131"
10d	3"	0.148"
12d	3-1/4"	0.148"
16d BOX	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 DEGREES 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.

27. NOTCHES AND HOLES IN WOOD FRAMING:

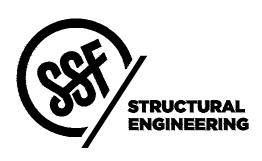
- A. NOTCHES ON THE ENDS OF SOLID SAWN JOISTS AND RAFTERS SHALL NOT EXCEED ONE-FOURTH THE JOIST DEPTH. NOTCHES IN THE TOP OR BOTTOM OF SOLID SAWN JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. HOLES BORED IN SOLID SAWN JOISTS AND RAFTERS SHALL NOT 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.
- 28. WOOD FRAMING NOTES--THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:
- A. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE, THE AITC "TIMBER CONSTRUCTION MANUAL" AND THE AWC "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.. LAP TOP PLATES AT JOINTS A MINIMUM 4'-0" AND NAIL WITH TWELVE 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 BETWEEN RAFTERS AND JOISTS AT ALL BEARING POINTS WITH A MINIMUM OF (3) 16d TOE NAILS EACH END. 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, MINIMUM TWO NAILS PER BLOCK, UNLESS OTHERWISE NOTED.



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2124 Third Avenue - Suite 100 - Seattle, WA 98121



DRAWN:	EBG		
DESIGN:	EBG		
CHECKED:	EBG		
APPROVED:	EBG		

PROJECT TITLE:

REVISIONS:

Dillon-Naftolin Residence 4524 90th Ave SE Mercer Island, WA 98040

Herschel L. D. Parnes, Architect 1604 Madrona Drive Seattle, WA 98122 C: 206-856-5215 parnes.arch@gmail.com

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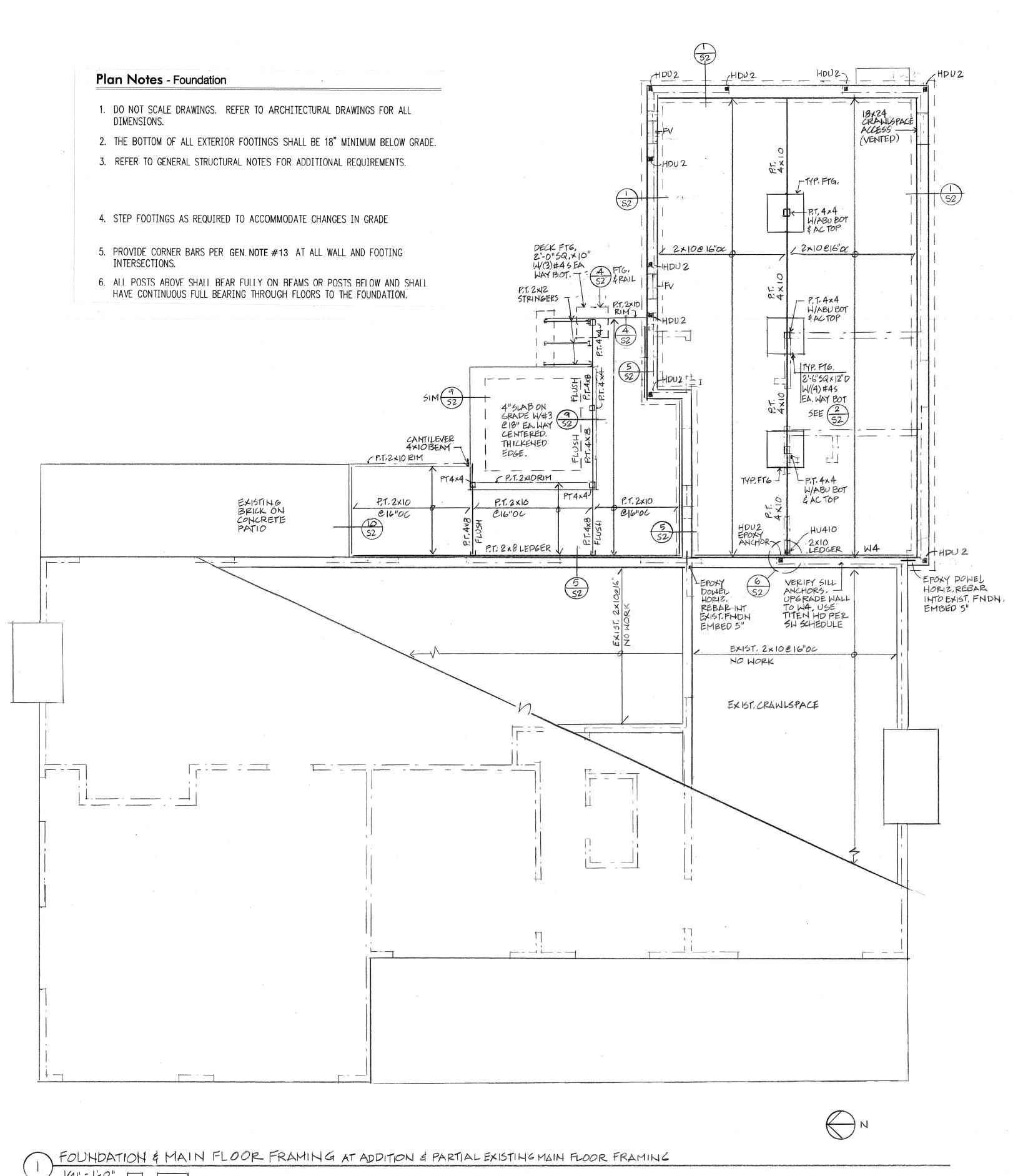
SHEFT TITLE:

SCALE DATE: 9/30/2022 PROJECT NO: 00059-2022-01

SHEET NO:

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NO: 1 OF 3 SHEETS:



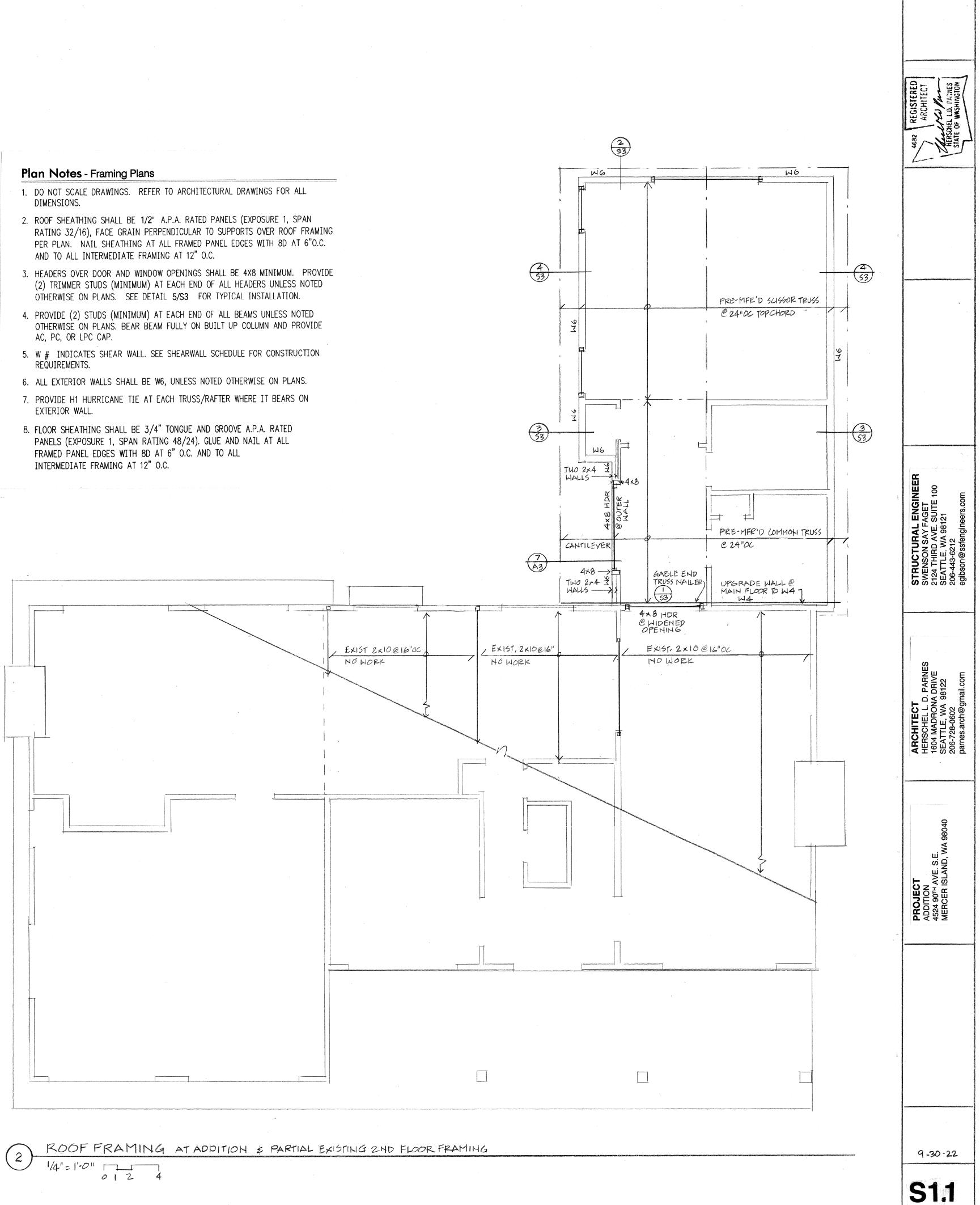
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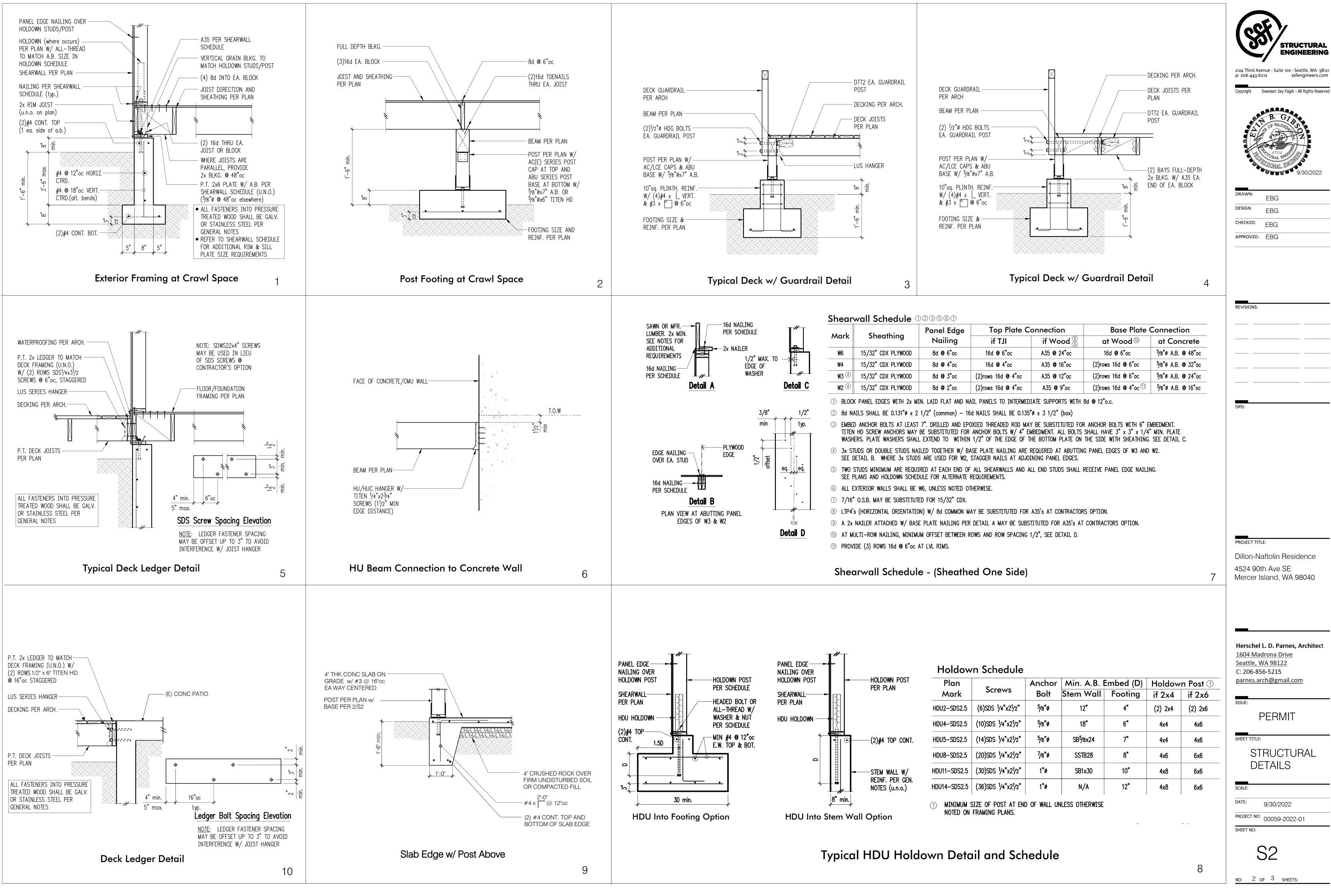
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- PER PLAN. NAIL SHEATHING AT ALL FRAMED PANEL EDGES WITH 8D AT 6"O.C. AND TO ALL INTERMEDIATE FRAMING AT 12" O.C.
- (2) TRIMMER STUDS (MINIMUM) AT EACH END OF ALL HEADERS UNLESS NOTED OTHERWISE ON PLANS. SEE DETAIL 5/S3 FOR TYPICAL INSTALLATION.
- REQUIREMENTS.
- EXTERIOR WALL.
- PANELS (EXPOSURE 1, SPAN RATING 48/24). GLUE AND NAIL AT ALL FRAMED PANEL EDGES WITH 8D AT 6" O.C. AND TO ALL

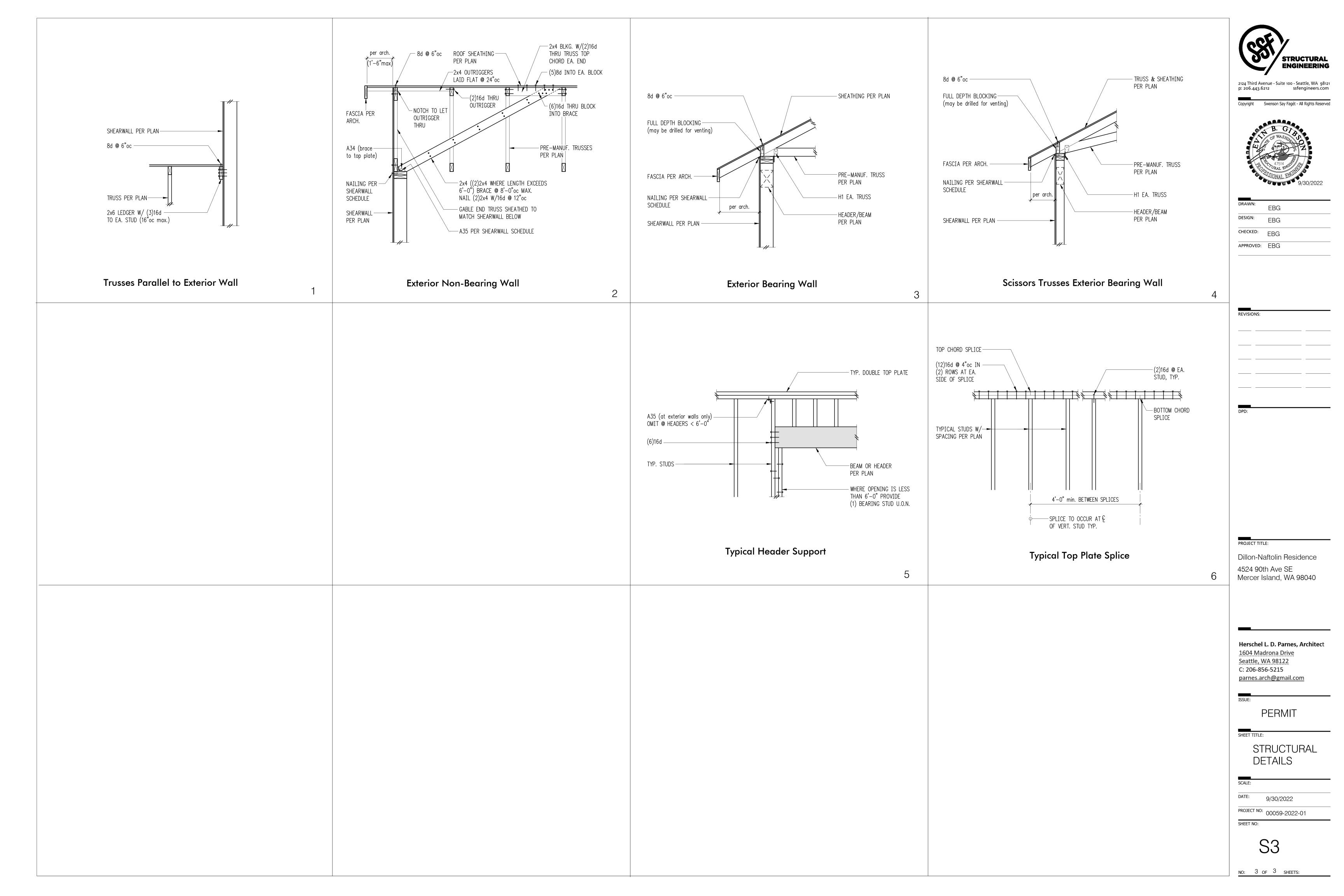


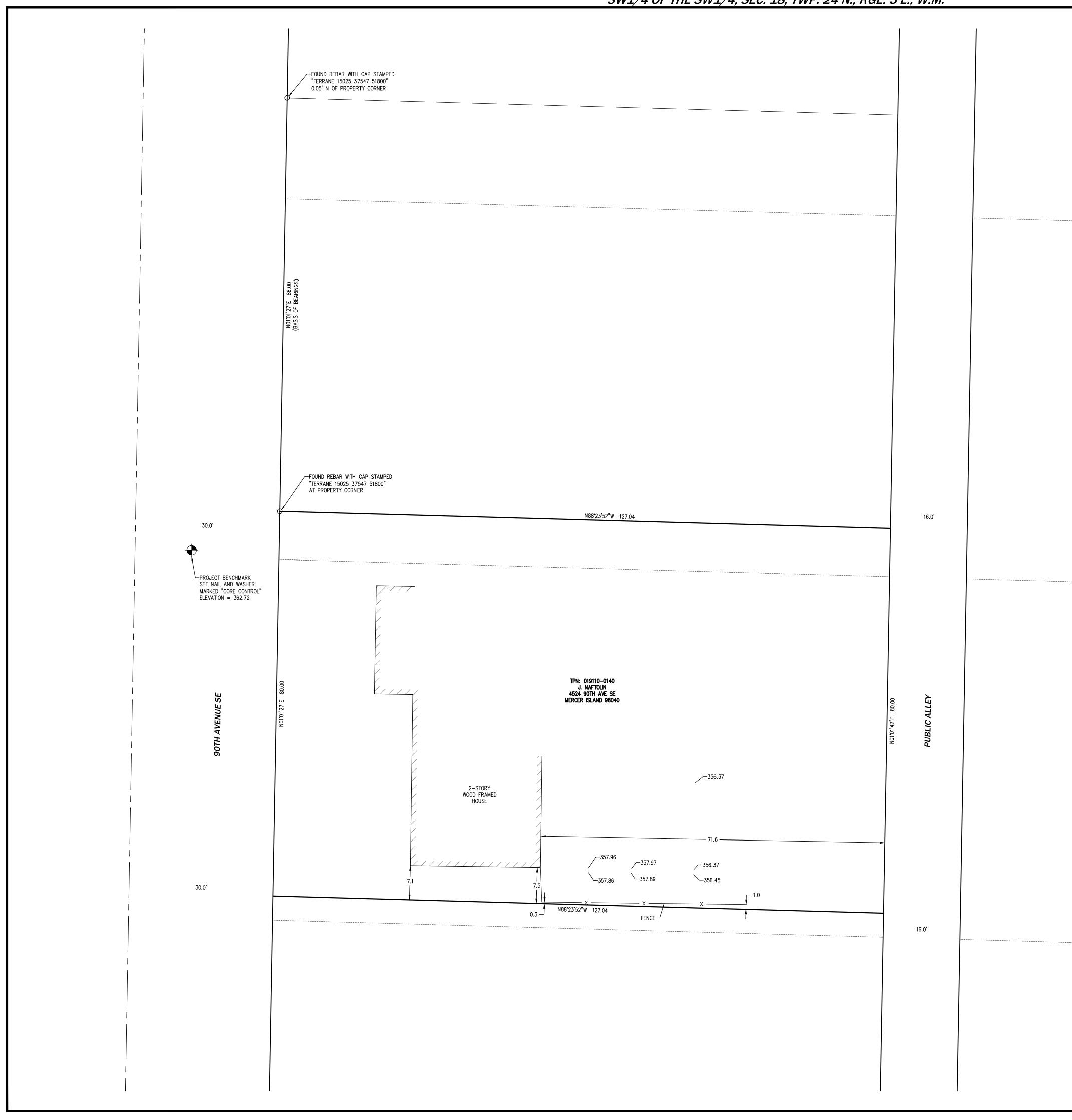


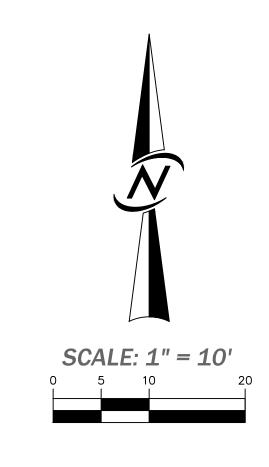
NO: 2 OF 3 SHEETS:

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9/30/202







LEGEND

VERTICAL DATUM

NAVD88 PER GNSS OBSERVATIONS

PROJECT BENCHMARKS

SET NAIL AND WASHER MARKED "CORE CONTROL" SEE MAP FOR LOCATION ELEVATION = 362.72

BASIS OF BEARINGS

N01°01'27"E BETWEEN THE TWO FOUND PROPERTY CORNERS ALONG THE EASTERLY RIGHT-OF-WAY MARGIN OF 90TH AVENUE NE. REFERENCES

1. CITY OF MERCER ISLAND SHORT PLAT NUMBER SUB18-006, RECORDED UNDER KING COUNTY RECORDING NUMBER 20191210900008.

LEGAL DESCRIPTION

THE NORTH 70 FEET OF LOT 12, AND THE SOUTH 10 FEET OF LOT 13, IN BLOCK 2 IF ALLVIEW HEIGHTS ADDITION TO SEATTLE, AS PER PLAT RECORDED IN VOLUME 16 OF PLATS, PAGE 20, RECORDS OF KING COUNTY.

1. THE LEGAL DESCRIPTION OF THIS PROPERTY HAS BEEN TAKEN FROM STATUTORY WARRANTY DEED RECORDED UNDER KING COUNTY RECORDING NUMBER 20210623001468. NO INDEPENDENT TITLE RESEARCH HAS BEEN PERFORMED BY CORE DESIGN, INC. THIS SURVEY DOES NOT REPORT ANY ENCUMBRANCES ON THE PROPERTY WHICH MAY BE REPORTED BY A TITLE AGENCY. CORE DESIGN THEREFOR QUALIFIES THIS SURVEY TO THAT EXTENT.

- 2. THIS SURVEY REPRESENTS VISIBLE PHYSICAL IMPROVEMENT CONDITIONS EXISTING ON APRIL 4, 2022. ALL SURVEY CONTROL INDICATED AS "FOUND" WAS RECOVERED FOR THIS PROJECT IN APRIL, 2022.
- 3. PROPERTY AREA = $10,163 \pm$ SQUARE FEET (0.2333 \pm ACRES).
- 4. ALL DISTANCES ARE IN US FEET AT GROUND LEVEL
- 5. BOUNDARY INFORMATION SHOWN HEREON IS DERIVED FROM OBSERVATION OF CONTROLLING MONUMENTATION AND INTERPRETATION OF RECORD DESCRIPTIONS AND OTHER EVIDENCE. TOPOGRAPHIC INFORMATION SHOWN HEREON IS RELATED TO THE BOUNDARY BY DIRECT FIELD OBSERVATION FROM CONTROLLING MONUMENTATION.
- 6. THIS IS A FIELD TRAVERSE SURVEY. A THREE SECOND COMBINED ELECTRONIC TOTAL STATION WAS USED TO MEASURE THE ANGULAR AND DISTANCE RELATIONSHIPS BETWEEN THE CONTROLLING MONUMENTATION AS SHOWN. CLOSURE RATIOS OF THE TRAVERSE MET OR EXCEEDED THOSE SPECIFIED IN WAC 332–130–090. ALL MEASURING INSTRUMENTS AND EQUIPMENT ARE MAINTAINED IN ADJUSTMENT ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

FCTURE	7877
CIVIL ENGINEERING LANDSCAPE ARCHITECTURE	12100 NE 195th St, Suite 300 Bothell, V
EXISTING SETBACK SURVE	ERIN DILLON AND JORDAN NAFTOLII 4524 90TH AVENUE SE MERCER ISLAND, WA 98040
DATE APRIL 6, 2022 T DESIGNED DRAWN JEREMY REEFF	APPROVED ROBERT D WEST, PLS A A A A A PROJECT MANAGER