

REQUEST FOR COMMENTS

DATE: Wednesday, May 6, 2020

	Alderwood Water District – Mike Graves		Pilchuck Audubon Society (President)
	Burlington Northern Santa Fe Railway (Marvinique Hill)		Port of Everett (Laura Gurley)
	City of Edmonds (Rob Chave)		Puget Sound Clean Air Agency (SEPA Email / Air Resource Specialist)
	City of Everett (Allan Giffen)	Х	Puget Sound Energy (Dom Amor)
	City of Everett (Steve Ingalsbe)		Puget Sound Regional Council
	City of Lynnwood (Todd Hall)		Seattle Dist. Corps of Engineers (Dept. Army-Reg. Branch)
	City of Mill Creek (Tom Rogers)		Snohomish Co. Airport/Paine Field (A. Rardin/R. Zulauf)
X	City of Mukilteo (Building Official)		Snohomish Co. Assessor's Office (Ordinances Only)
Х	City of Mukilteo (Fire Chief)		Snohomish Co. Conservation District
X	City of Mukilteo (Fire Marshal)		Snohomish Co. PW/ Environmental (Shannon Flemming)
X	City of Mukilteo (Engineering)		Snohomish Co. Marine Res. Comm. (Kathleen Herrmann)
X	City of Mukilteo (Com. Dev. Dir.)		Snohomish Co. Planning & Dev. Srvc. (Ryan Countryman)
X	City of Mukilteo (Police, Cheol Kang, Myron Travis)	Х	Snohomish Co. PUD: Dist. Eng. Services (Mary Wicklund)
X	Comcast of Washington (Casey Brown, John Warrick)		Snohomish Health District (Bruce A. Straughn)
	Community Transit (Kate Tourtellot)		Sound Transit Authority (Perry Weinberg)
	Dept. of Commerce (Growth Mgmt. Svcs Rev. Team)		South Snohomish Co. Fire Dist. (Kevin Zweber)
	Dept. of Natural Resources (James Taylor)		Tulalip Tribes – (Zachary Lamebull)
	Economic Alliance of Snohomish County		Tulalip Tribes – (Richard Young)
	FAA/Air Traffic Division, ANM-0520 (Daniel Shoemaker)	Х	United States Postal Service (Soon H. Kim)
	FEMA (John Graves)	Х	Verizon Company of the NW, Inc. (Tim Rennick.)
	Island County MRC (Rex Porter) (Shoreline Only)	Х	Washington Dept. of Ecology (Peg Plummer)
	Master Builders King/Sno. Counties (Mike Pattison)		Washington Dept of Fish & Wildlife (Jamie Bails)
X	Mukilteo School District (Cindy Steigerwald)		WSDOT (Leah Bolotin)
X	Mukilteo School District (Josette Fisher)		WSDOT (Ramin Pazooki)
х	Mukilteo Water & Wastewater District (Jim Voetberg, Manager; Rick Matthews; Kendra Chapman)		WSDOT Ferries(Kevin Bartoy) (Shoreline Only)
	National Marine Fishery Service		WRIA 7 Water Resources
	Office of Archaeology & Historic Pres. (Allyson Brooks)		Other:
	Ogden, Murphy, Wallace (Daniel Kenny) (Ordinances Only)		

FILE NO.: SFR-ADU-2020-001

PROPONENT: William Zander

PROJECT NAME: Interior Accessory Dwelling Unit by Zander

PROJECT DESCRIPTION: To construct a two-story addition to the existing structure located at 10432 Marine View Drive. The addition includes a garage and shop on the main level and a 697 sf interior accessory dwelling (ADU) unit on the second level. The proposed one-bedroom ADU will have a separate building entrance independent from the main unit. The proposal is located outside of the 200 ft shoreline buffer and is not subject to Title 17B Shoreline Management Regulations. The proposal satisfies categorically exemption criteria specified in MMC 17.84.075(A) and WAC 197-11-800(1). Therefore, the proposal is exempt from threshold determination and EIS requirements.

FILE NO.: SFR-ADU-2020-001

PROPONENT: William Zander

PROJECT NAME: Interior Accessory Dwelling Unit by Zander

ATTACHED IS:

Х	Notice of Application	Х	Topographical Survey
Х	Application(s) – Land Use, Building, Engineering	Х	Structural Plans and Calculations
Х	Title Report	Х	Building Height Worksheet
X	Geotechnical Report	Х	Civil Plans
Х	Architectural Plans	Х	Soil Management Plan

NOTE:	
**********	***************
Please review this project as it relates to your area 4:30 PM on Wednesday, May 20, 2020, to Garret Mukilteo, Washington 98275.	a of concern and return your comments with this cover sheet by t Jensen, Associate Planner, City of Mukilteo, 11930 Cyrus Way
Garrett Jensen Associate Planner	5/6/20 Date
**********	**********
RESPONSE SECTION:	
Comments Attached	No Comments
COMMENTS:	
Signature	Date
Company	
DO YOU WANT A COPY OF OUR NOT	TICE OF DECISION YES NO



Notice of Application

Interior Accessory Dwelling Unit by Zander

10432 Marine View Drive File No. SFR-ADU-2020-001

William Zander (applicant) submitted applications for a land use permit with the City of Mukilteo on March 4, 2020. The City of Mukilteo determined the applications incomplete on March 23, 2020 and requested additional information. The applicant submitted an additional information on April 17, 2020, and the City determined the application complete April 22, 2020.

Description of Proposal: To construct a two-story addition to the existing structure located at 10432 Marine View Drive. The addition includes a garage and shop on the lower level and a 697 sf interior accessory dwelling (ADU) unit on the second level. The proposed one-bedroom ADU will have a separate building entrance independent from the main unit. The proposal is located outside of the 200 ft shoreline buffer and is not subject to Title 17B Shoreline Management Regulations.

Location of Proposal: 10432 Marine View Drive, Mukilteo, Washington 98275

Property Identification Number(s): 00408600802300

Environmental Documents Prepared: The applicant submitted the following environmental related documents with the project permit application:

 Addendum to Geotechnical Report prepared by HWA GeoSciences Inc dated January 9, 2020.

List of Required Permits:

- Land Use Permit
- Building Permit
- Engineering Permit(s) –Clearing and Grading, Stormwater
- Any Applicable State and Federal Permits

Applicable Policies and Requirements

The project will be reviewed for consistency with the following policies, standards and regulations:

⊠ Comprehensive Plan	☐ Sector Plan & Amendments
Mukilteo Municipal Code	
☑ Mukilteo Development Standards	

State Environmental Policy Act (SEPA)

The proposal satisfies categorically exemption criteria specified in MMC 17.84.075(A) and WAC 197-11-800(1). Therefore, the proposal is exempt from threshold determination and EIS requirements.

Comment Period

This application and all supporting documents (File No. SFR-ADU-2020-001) are available for public review on the City's website at http://www.mukilteowa.gov/land-use-action-notices, or contact City Hall at (425) 463-8000. Comments must be delivered to the City by mail, personal delivery to the drop box outside City Hall, or other method, during normal business hours by 4:30 PM on Wednesday, May 20, 2020.

The City will not act on this application until the end of the 14-day public comment period. Upon completion of project review, the City will either administratively approve, approve with conditions, or deny the application(s). You may request a copy of the final decision on the project by making a written request to the City contact person named below.

Public Hearing

This is a Type I application, and authority for final decision of the project is administrative. Therefore, the City will not conduct a public hearing on this project.

Appeals

The final decision on this project is administratively appealable. An appeal must be filed within 14 days after the final decision on the project is issued. Only parties of record may initiate an administrative appeal of a land use development permit application. Parties of record include the applicant, any person who testified at the open record hearing, and/or any person who submitted written comments concerning the application (excluding persons who have only signed petitions or mechanically produced form letters).

Staff Contact:

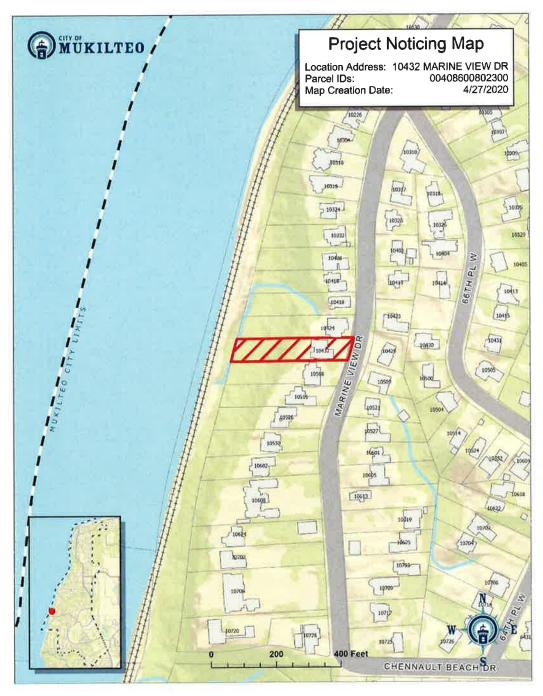
Garrett Jensen, Associate Planner

T: (425) 463-8000

E: giensen@mukilteowa.gov

Signature: Date: 5/6/20

Location Map



Date Issued: Date Advertised: End Comment Period: Wednesday, May 6, 2020 Wednesday, May 6, 2020 Wednesday, May 20, 2020

pc:

Applicant/Representative Reviewing Agencies Interested Parties CDD Director Permit Services Personnel Project File Property Owners (Adjacent)

 $O: \label{localize} O: \$



RE EIVED

City of Mukilteo MAR 0 4 2020 Mukilteo, WA 98275 Mukilteo, WA 98275 (425) 263-8000 MUKILTEY Mukilteowa.gov

CGR. 104.2020-001

	20707001
GENERAL INFORMATION	
ADDRESS/LOCATION: 10432 MARINE VIEW	DR PARCEL NO: 00408600 802 300
DESCRIPTION OF WORK: PARTIAL 2 HD FLOOR	L ADDITION, NEW GARAGE, AND A.P.U.
COMPPLAN DESIGNATION: SFR LOW DENSITY	zoning: RD 12.5(S)
DATE OF PREAPPLICATION MEETING (if held):	
APPLICANT INFORMATION	
NAME: WILLIAM ZANDER PHONE: 2	06 679 8457 EMAIL: BILL ZANDER@GMAIL. COM
	CITY: MUKILTED STATE:WA ZIP: 98275
PROPERTY OWNER INFORMATION Same as Above	
NAME:PHONE:	EMAIL:
	CITY:STATE:ZIP:
CONTACT INFORMATION Same as Above	
NAME:PHONE;	EMAIL:
ADDRESS:	CITY:STATE:ZIP:
Project Type (check all that apply):	
and the state of t	*Supplemental Application Required
Accessory Dwelling	*Supplemental Application Required □ Special Use* □ Variance*
Accessory Dwelling	☐ Special Use* ☐ Variance* ☐ Subdivision*: ☐ Wireless Communication
Accessory Dwelling Unit* Reasonable Use* Rezone* Shoreline:	☐ Special Use* ☐ Variance* ☐ Subdivision*: ☐ Wireless Communication ☐ Preliminary Short Facility
Accessory Dwelling Unit* Binding Site Plan Comprehensive Plan Reasonable Use* Reasonable Use* Reasonable Use* Conditional Use*	☐ Special Use* ☐ Variance* ☐ Subdivision*: ☐ Wireless Communication
Accessory Dwelling Unit* Binding Site Plan Comprehensive Plan Amendment Conditional Use* Reasonable Use* Reasonable Use* Reasonable Use* Conditional Use*	Special Use*
Accessory Dwelling Unit* Binding Site Plan Comprehensive Plan Amendment Reasonable Use* Rezone* Shoreline: Conditional Use*	□ Special Use* □ Variance* □ Subdivision*: □ Wireless Communication □ Preliminary Short □ Facility □ Preliminary Long □ Other: □ Final Short
Accessory Dwelling Unit* Binding Site Plan Comprehensive Plan Amendment Conditional Use* Conditional Use* Conditional Use* Substantial Developm	Special Use*
Accessory Dwelling Unit* Binding Site Plan Comprehensive Plan Amendment Conditional Use* Conditional Use* Conditional Use* Substantial Developm	Special Use*
Accessory Dwelling Unit* Rezone* Reasonable Use* Rezone* Shoreline: Comprehensive Plan Amendment Conditional Use* Substantial Developm Lot Line Adjustment* SIGNATURE: I/We certify that the information provided in this application, in the condition of the condi	Special Use*
Accessory Dwelling Unit* Binding Site Plan Comprehensive Plan Amendment Conditional Use* Conditional Use* Lot Line Adjustment* Reasonable Use* Conditional Use* Exemption Substantial Developm Variance*	Special Use*
Accessory Dwelling Unit* Rezone* Reasonable Use* Rezone* Shoreline: Comprehensive Plan Amendment Conditional Use* Substantial Developm Lot Line Adjustment* SIGNATURE: I/We certify that the information provided in this application, in the condition of the condi	Special Use*
Accessory Dwelling Unit* Rezone* Rezone* Shoreline: Comprehensive Plan Amendment Conditional Use* Substantial Developm Variance* SIGNATURE: I/We certify that the information provided in this application, is perjury by the laws of the State of Washington.	Special Use*
Accessory Dwelling Unit* Rezone* Rezone* Shoreline: Comprehensive Plan Amendment Conditional Use* Substantial Developm Lot Line Adjustment* SIGNATURE: I/We certify that the information provided in this application, is perjury by the laws of the State of Washington.	Special Use*

RECEIVED

MAR 0 4 2020 CITY OF MUKILTEO



11930 Cyrus Way, Mukilteo, WA 98275 (425) 263-8000 Fax (425) 212-2068

Accessory Dwelling Unit Supplemental Application Form

Date:	3.4.7020	Application Nu	mber:
25			☐ Other Receipt #:
		ZANDER RESIDEA	
	applicant is:		☐ Authorized Agent for Owner
	Name: WILL	AM ZANDER	
	Address: 104:	32 MARNE VIEW	DR
	MUKILTER	, WA 98275	
	Phone: 206	679.8457	
3. I	egal Description of	Property (may be attached) NE, Sec 20, To	LOT 23, BLOCKS, OF CHENNAUL-
	Assessor's Tax Num つひ4086003	ber of all property involved らって300	in the application:
5. I	Existing Zoning:	LD 12.5(s)	
6. I	Existing Comp Plan	Designation: SFR L	as DENSITY
7.	Гуре of ADU: 🗡	Interior Attached	☐ Detached
8. 1	Number of Parking S	Stalls on the Property:	
9. 1	ADU Status: □ Pre	-Existing New	
10.5	Square footage of ex	isting residence: 2,304	[4,255 PROPOSED]
11.5	Square footage of pr	oposed ADU: <u>697</u>	L 1, COS PRODUCTO
12.	Number of Bedroon	in ADU:	

13. Drawings: All accessory dwelling units shall comply with the design standards as outlined in MMC 17.30.060. Attach two copies of building site plans and elevations showing compliance with MMC 17.30.030.					
	Drawing Attached:	Yes	□ No		
that the ov	O Verification: Attach wner will be resides in one ment residence for at least	either the princip	pal unit or t	he accessory	
	Affidavit of Ownersh	nip form attache	ed:	Yes	□ No
			*		
This project is submitted to the City of Mukilteo for the purpose of obtaining its approval in accordance with the Laws of the State of Washington, Chapter 271, extraordinary session of the 1969 Legislature, and Ordinance No. 350 of the City of Mukilteo.					
The information given is said to be true under the penalty of perjury by the Laws of the State of Washington.					
Signatures:	Owner* Wm Z	uder	Date	3.4.20	020
	Owner*		Date		
Agent for Ow	mer		Date		

* NOTE: If legal owner is a corporation or partnership, proof of ability to sign for the corporation or partnership shall be submitted to the City of Mukilteo with this application.



RECEIVED

By Sarah Kress at 10:29 am, Apr 17, 2020

Engineering Permit Application

11930 Cyrus Way, Mukilteo, WA 98275 Phone: (425) 263-8000 http://mukilteowa.gov permittech@mukilteowa.gov

Applicatio	n Type – Mark all those	that apply			
☐ Clearing & Grading (Land Surface Modification) Per MMC 15.16.010				Right-of-Way Per MMC 12.01.010 Stormwater Per MMC13.12	
General Pe	ermit Information				
	ME: Zander Residence DRESS: 10432 Marine View	Dr. Mukilteo. WA 98275			
PROJECT ADI	DRE33.				
1. CONTRAC	CTOR	☐ Applicant			
Name			5.	PROJECT DESCRIPTION	
City/State/Zip_			Gar	rage and addition to an existing single family residence.	
24 Hour Phone)				
State License #	#		6.	TOTAL PROJECT AREA (INCLUDE ROW, IF ANY)	
Mukilteo Licens	se #		•-	(SF)	
E-mail				7,750	
2. PROPERT	ΓY OWNER	✓ Applicant	7.	TOTAL SITE AREA (SF)	
Name	William Zander			25317	
Address	10432 Marine View Dr.		8.	TOTAL GRADING QUANTITIES (CY)	
City/State/Zip_	Mukilteo, WA 98275			(Use Total from pg. 2 , #4)	
Phone	206.679.8457			15	
E-mail	billzander@gmail.com		9.	IS A RETAINING WALL PROPOSED? YES or NO	
3. PRIMARY CONTACT Applicant Name Address			10.	EXISTING SITE IMPERVIOUS SURFACE COVER (%) (Report Item 2 from Page 4) 22	
City/State/Zip24 HR Phone			11.	TOTAL NEW PLUS REPLACED HARD SURFACES	
E-mail				(SF) (Report Item 6 from Page 5) 1584	
		 			
4. PARCEL I			12.	TOTAL PROPOSED LOT HARD SURFACE COVERAGE (SF) - (Report Item 7 from page 5) 6950	

CI	earing & Grading (Lan	d Surtace Modifi	ications)			
1.	Total Area of Land Surface Disturbance (SF): 2,400					
2.	Vegetation to be Removed:					
	□ Evergreen Trees:□ Shrubs / Lawn:					
	☐ Other:	(area)	Inva	asive types		
3.	Method of Land Disturbance	e: □ Hand Clearing [☑ Machine			
4.	Land Disturbance Outside th	ne Building Footprint:				
	☐ Exported:	(C)	Y) 🗆 Imp	orted to Site:	(CY)	
	☑ Re-Graded on Site:	<u>15 (CY</u>	′) □ Oth	er:	(CY)	
	Total 15					
5.	Provide Address for Materia	Is Disposal Site_86162	219th St SE, W	oodinville, WA 98072	2	
6.	Maximum Height of Fill: .5		Maxim	um Depth of Cut:		
7.	Identify any stream, surface	water, drainage cours	se, wetlands	, or critical areas	on or within 200 feet of the property:	
	There is a pond to the is more than 200 ft awa		•		will not be impacted as it he property.	
Re	etaining Walls:					
	If a retaining wall is proposed,	please check which ap	plies (<i>Height</i>	is measured from I	bottom of footing)	
!	No retaining wall proposed	□ ≥ 4 feet	□ ≤ 4 feet a	nd not load bearing	g ☐ Any height and load bearing	
Ri	ght-of-Way:					
Тур	ne of work being performed in C	ity right-of-way:				
	☐ Stormwater	☐ Frontage Improver	ments	☐ Drive	eway	
	□ Natural Gas	□ Sewer		□ Wate	·	
	☐ Telephone	□ Power		□ Cabl	е	
	☐ Other:					
ls t	his project adjacent to a State R If Yes, WSDOT approvals			ed with this applica	tion, including the WSDOT approved	

Sto	rm	wa	tο	r
uu		vva		

WHAT ARE HARD SURFACES and IMPERVIOUS SURFACES?

Hard surfaces include permeable pavement, decks, vegetated roofs, and all impervious surfaces. **Impervious surfaces** are non-vegetated surface areas that either prevent or impair water entry into the soil. These surfaces cause water to run off the surface in greater quantities or at increased flow rates from natural conditions. Common impervious surfaces include, but are not limited to, roof tops, walkways, patios, gravel, asphalt, concrete and bricked surfaces. (See MMC 17.08 for complete definition.)

Step 1. Determine if a Stormwater Permit is Needed

Does the project propose to:

A.	Add new or replace 2,000 square feet or more of hard surface area?	☐YES	₽ NO
В.	Disturb 7,000 square feet or greater of land?	YES	₽ NO
C.	Connect to the City's stormwater system?	YES	₩ NO

If the answer to ANY of the above is "YES," then a Stormwater Permit is required. Complete entire Stormwater Permit Application and provide required submittals.

If the answer to ALL of the above is "NO," then a Stormwater Permit is NOT required. Complete Steps #2 through #6 and include a Short SWPPP form with your application.

Step 2. Calculate Existing Impervious Surface Area

Enter the area for all existing impervious surfaces on the property. Only include those items that are impervious. Hard surfaces, such as porous pavement, will be considered in Step 3. If there are none to add, enter "0".

TABLE 1 – EXISTING IMPERVIOUS SURFACES					
Types of improvements to consider (not a complete list)	Existing Impervious Surfaces Area (sf)	Describe area(s) included in SF (e.g. house, driveway, etc.)			
Roof Structures (all buildings)	2802	Existing roof from house.			
Sidewalks / Walkways	563	walkway leading up to house, and back patio			
Covered Porch / Deck / Patio					
Driveway (include gravel areas)	2001	Driveway leading up to existing garage from Marine View Drive			
Parking Lot (incl. gravel areas)					
Other					
TOTAL →	Item 1 5366				

Step 3. Determine if the Project is New Development or Redevelopment

TABLE 2 – PERCENT EXISTING IMPERVIOUS COVER CALCULATION				
A. Enter the total from Item 1 above	5366			
B. Total Site Square Footage	\rightarrow	25317		
Existing Site Impervious Cover %	(A ÷ B) x 100	Item 2 22		

- > Report Item 2 on Page 1, #10.
- ➤ Use result for Step 7. If <35%, project is new development. If >35%, project is redevelopment

Step 4. Calculate Existing Hard Surface Area

Enter any existing hard surfaces **not included** in the impervious surface calculation in Step 2. If there are none to add, enter "0".

TABLE 3 – EXISTING HARD SURFACES				
Types of improvements to consider (not a complete list)	Existing Hard Surfaces Area (sf)	Describe area(s) included in SF (e.g. house, driveway, etc.)		
Green Roof Structures				
Porous Sidewalks / Walkways				
Porous Porch / Deck / Patio				
Porous Driveway / Parking				
Other				
TOTAL →	Item 3			

> Use Item 3 in Step 6.

Step 5. Calculate Proposed New and Replaced Hard Surfaces

Include all types of hard (and impervious) surfaces in the table. No "credit" is taken for replaced hard surfaces. For example, if 1,500 sf of gravel is replaced with a 1,500 sf garage, this is entered as 1,500 sf replaced hard surface. There is no deduction for the replaced gravel.

TABLE 4 – PROPOSED NEW PLUS REPLACED HARD SURFACES				
(Enter "0" for sections not applicable to your project)				
Proposed new PLUS replaced hard surfaces	Describe area(s) included in SF? (e.g. house, driveway, etc.)	New SF	Replaced SF	
Roof Structures (all buildings)	Garage building addition.	1258		
Green Roof (not included above)				
Sidewalks / Walkways	new entrance patio up to building addition.	128		
Covered Porch / Deck / Patio				
Uncovered Porch / Deck / Patio				
Driveway (impervious)	Pavers leading to new garage entrance.	198		
Parking (impervious)				
Pervious Paving surfaces (all				
All Right-of-Way Improvements				
Others				
SUBTOTALS	→	Item 4 1584	Item 5 0	
TOTAL NEW PLUS REPLACED HARD SURFACES	Add Items 4 & 5 1584		34	

- > Report Item 6 on Page 1, #11.
- > Use Item 4 in Step 6 (do not include Item 5).

Step 6. Calculate Total Proposed Hard Surfaces

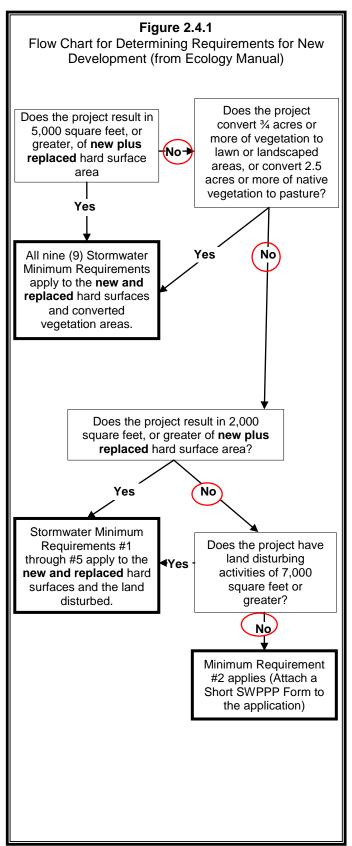
TABLE 5 – TOTAL PROPOSED HARD SURFACES				
A. Report Item 1 Subtotal (from Step 2) 5366				
B. Report Item 3 Subtotal (from Step 4)		0		
C. Report Item 4 Subtotal (from Step 5)		1584		
TOTAL PROPOSED LOT HARD SURFACE COVER	Add A, B, & C	Item 7 6950		

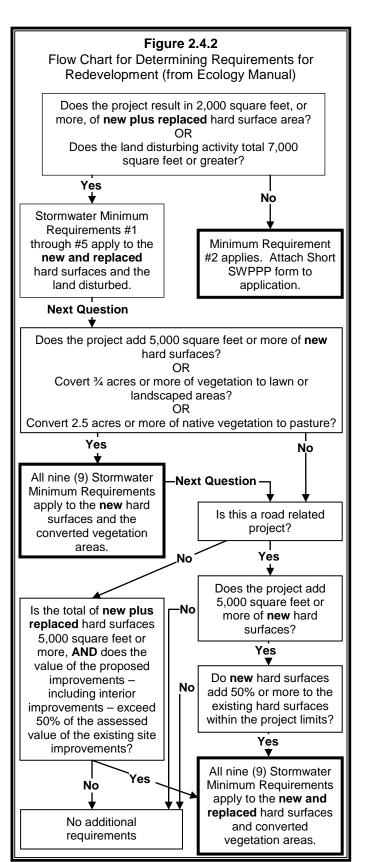
> Report Item 7 on Page 1, #12.

Step 7. Determine the Stormwater Minimum Requirements

Is the result on page 1, #10; 35% or more? ☐ YES

☑ NO If yes, use Figure 2.4.2. If no, use Figure 2.4.1.





If yes, complete NOI at http://www.ecy.wa.gov/program A Forest Practice Permit is required for all projects remove and sell timber? □ Yes ☑ No A BNSF Permit is required for all projects that will disc project discharge to BNSF ROW? □ Ye A Hydraulic Permit from the Department of Fish and Wall fill, or work within, over, or under a stream or wetlan □ Yes ☑ No	ms/wq/stormwater/construction/enoi.html moving and selling timber from the property site. Will your charge stormwater onto BNSF property (ROW). Does your es No //ildlife and / or from the Army Corps of Engineers is required for nd. Will your project involve stream or wetland?
If yes, complete NOI at http://www.ecy.wa.gov/program A Forest Practice Permit is required for all projects remove and sell timber? □ Yes ☑ No A BNSF Permit is required for all projects that will disc project discharge to BNSF ROW? □ Ye A Hydraulic Permit from the Department of Fish and Wall fill, or work within, over, or under a stream or wetlan □ Yes ☑ No	ms/wq/stormwater/construction/enoi.html moving and selling timber from the property site. Will your charge stormwater onto BNSF property (ROW). Does your es 🖸 No //ildlife and / or from the Army Corps of Engineers is required for nd. Will your project involve stream or wetland?
If yes, complete NOI at http://www.ecy.wa.gov/program A Forest Practice Permit is required for all projects remove and sell timber? □ Yes ☑ No A BNSF Permit is required for all projects that will disc project discharge to BNSF ROW? □ Ye A Hydraulic Permit from the Department of Fish and Wall fill, or work within, over, or under a stream or wetlar □ Yes ☑ No	ms/wq/stormwater/construction/enoi.html moving and selling timber from the property site. Will your charge stormwater onto BNSF property (ROW). Does your es No //ildlife and / or from the Army Corps of Engineers is required for nd. Will your project involve stream or wetland?
A Forest Practice Permit is required for all projects ren project remove and sell timber? ☐ Yes ☑ No A BNSF Permit is required for all projects that will disc project discharge to BNSF ROW? ☐ Ye A Hydraulic Permit from the Department of Fish and Wall fill, or work within, over, or under a stream or wetlar ☐ Yes ☑ No	charge stormwater onto BNSF property (ROW). Does your es 🖸 No //ildlife and / or from the Army Corps of Engineers is required for nd. Will your project involve stream or wetland?
A Hydraulic Permit from the Department of Fish and W all fill, or work within, over, or under a stream or wetlar ☐ Yes ☑ No	Vildlife and / or from the Army Corps of Engineers is required for and. Will your project involve stream or wetland?
☐ Yes ☑ No	roject applicant's responsibility to identify and obtain all required
The list shows is an all the state of the st	ermits shall be obtained and a convenient ded to the out
permits. All State, Federal, and/ or other applicable Pe Mukilteo prior to issuance of the City of Mukilteo Engin	eering Permit.
damage to property occasioned by the construction, in related to the improvement for which this permit is gracity, its officers, agents and employees, the permittee Code of Washington, the Industrial Insurance Act, for that the obligation to indemnify, defend and hold harm by or on behalf of any employee of the permittee. This the permitting process and is given, as is the ind consideration for issuance of a right-of-way use permiting process and is given, as is the industrial injury resulting from the sole negligence of the City, it injuries referenced by this paragraph were caused by	mless the City, its officers, agents and employees, from and any attorney's fees, arising from injury or death to persons or installation, operation, location, maintenance, or any other cause anted. With respect to this permit and as to claims against the e expressly waives its immunity under Title 51 of the Revised injuries to any employees the permittee may have, and agrees alless provided for in this paragraph extend to any claim brought is waiver has been mutually negotiated by the parties as part of emnification agreement contained within this paragraph, as to by the City. This paragraph shall not apply to any damage or as agents or employees. To the extent any of the damages or any or resulted from the concurrent negligence of the City, its befend and hold harmless is valid and enforceable only to the gents or employees, if any.
The acceptance of the conditions upon which this p installation of said FACILITIES as set forth herein.	permit is granted shall be evidenced by the beginning of the
SEE ATTACHED INSURANCE REQUIREMENTS AND	D ACKNOWLEDMENTS. ADDITONAL SIGNATURE REQUIRED
THE SAME TO BE TRUE AND CORRECT. I AGREE AND STATE / FEDERAL LAWS REGULATING ACTIV	IIS PERMIT APPLICATION IN ITS ENTIRETY AND KNOW TO COMPLY WITH ALL CONDITIONS, CITY ORDINANCES VITIES COVERED BY THIS PERMIT APPLICATION. I ALSO TO MAINTAIN PUBLIC STREETS FREE OF DIRT AND April 14, 7020

Applicant Signature (if different than property owner)

Date

ENGINEERING APPLICATION CHECKLIST

Provide the following information as part of your submittal as required in Mukilteo Municipal Code 17.13 and the City of Mukilteo Development Standards.

Subm	<u>nitted</u>	
Yes	N/A	Document
/		Engineering Permit Application – 1
~		Stormwater Pollution Prevention Plan (SWPPP) – 3 originals
/		Stormwater Site Plan (Drainage Report) – 2 originals
	/	Geotechnical Report – 2 originals
/		Civil Plan Set – 3 originals
	/	Wetland and Streams Report – 2 originals
	/	Transportation Impact Study – 1 original
	~	Transportation Concurrency Evaluation and Determination of Transportation Impact Fees Form (if over 10 pm peak trips) – 1 original
	✓	Temporary Traffic and Pedestrian Control Plan – 2 originals
~		Soil Management Plan – 2 originals
	/	Tree Preservation Plan – 2 originals
	✓	Maximum Extent Feasible (MEF) Documentation – 1 original
	•	Draft Statutory Warranty Deed (Right-of-Way Dedication), including Title Report, Map, and Real Estate Excise Tax Affidavit Form – 1 of each original
	/	Evidence of Vesting Rights – 1 original
	✓	Application for Alternate Material, Design, or Method of Construction – 1 original
	/	Application for Exception from Stormwater Minimum Requirements – 1 original
	/	Draft Declaration of Covenant/Maintenance Plan for Stormwater – 1 original
	~	Draft Access Easement for Stormwater – 1 original
	'	Draft Joint-Use and Maintenance Agreement for Private Roads/Joint-use Driveways – 1 original
	~	WSDOT approval if adjacent to State Route – 1 original
	/	Other agency permits (list) – (1 original each)
	✓	Wildlife Habitat Report – 2 originals
	~	Archaeology Report – 2 originals

INSURANCE

A. Insurance Term

The Permittee shall procure and maintain for the duration of the Permit, insurance against claims for injuries to persons or damage to property which may arise from or in connection with operations or activities performed by or on the Permittee's behalf with the issuance of this Permit.

B. No Limitation

Permittee's maintenance of insurance as required by the Agreement shall not be construed to limit the liability of the Permittee to the coverage provided by such insurance, or otherwise limit the City's recourse to any remedy available at law or in equity.

C. Minimum Scope of Insurance

Applicant shall obtain insurance of the types and coverage described below:

- 1. <u>Commercial General Liability</u> insurance shall be at least as broad as ISO occurrence form CG 00 01 and shall cover liability arising from operations, products-completed operations, and stop-gap liability. There shall be no exclusion for liability arising from explosion, collapse or underground property damage. The City shall be named as an additional insured under the Permittee's Commercial General Liability insurance policy using ISO Additional Insured-State or Political Subdivisions-Permits CG 20 12 or a substitute endorsement providing at least as broad coverage.
- 2. <u>Automobile Liability</u> insurance covering all owned, non-owned, hired and leased vehicles. Coverage shall be at least as broad as Insurance Services Office (ISO) form CA 00 01.

D. Minimum Amounts of Insurance

Permittee shall maintain the following insurance limits:

- 1. <u>Commercial General Liability</u> insurance shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate and a \$2,000,000 products-completed operations aggregate limit.
- 2. <u>Automobile Liability</u> insurance with a minimum combined single limit for bodily injury and property damage of \$1,000,000 per accident.

E. Other Insurance Provision

The Permittee's Commercial General Liability insurance policy or policies are to contain, or be endorsed to contain that they shall be primary insurance as respect to the City. Any insurance, self-insurance, or self-insured pool coverage maintained by the City shall be excess of the Applicant's insurance and shall not contribute to it.

F. Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best rating of not less than A:VII.

G. Verification of Coverage

Permittee shall furnish the City with original certificates and a copy of the amendatory endorsements, including the additional insured endorsement, evidencing the insurance requirements of the Permittee before issuance of the Permit.

H. Notice of Cancellation

The Permittee shall provide the City with written notice of any policy cancellation, within two (2) business days of their receipt of such notice.

I. Failure to Maintain Insurance

Failure on the part of the Permittee to maintain the insurance as required shall constitute a material breach of the Permit, upon which the City may, after giving five (5) business days' notice to the Permittee to correct the breach, immediately terminate the Permit, or at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the City on demand.

J. City Full Availability of Consultant Limits

If the Permittee maintains higher insurance limits than the minimums shown above, the City shall be insured for the full available limits of Commercial General and Excess or Umbrella liability maintained by the Permittee, irrespective of whether such limits maintained by the Permittee are greater than those required by this contract or whether any certificate of insurance furnished to the City evidences limits of liability lower than those maintained by the Permittee.

The acceptance of the conditions upon which this permit is granted shall be evidenced by the beginning of the installation of said FACILITIES as set forth herein.

I HEREBY ACKNOWLEDGE THAT I HAVE REARCUIREMENTS REGARDING INSURANCE.	AD AND AGREE TO COMPLY WITH THE
Applicant Signature	April 14,7020 Date

RECEIVED



MAR 0 4 2020 CITY OF MUKILTEO

11201 SE 8th St, Suite 200 Bellevue, WA 98004 Phone: (425) 646-3510 Fax: (425) 646-3513

Order No.: CK-40246442

COMMITMENT FOR TITLE INSURANCE ISSUED BY TITLE RESOURCES GUARANTY COMPANY SCHEDULE A

1. Effective Date: February 5, 2020 at 8:00 a.m. Commitment No.: CK 40246442

2. Policy or Policies to be issued:

ALTA LOAN POLICY 6-17-2006

PROPOSED INSURED: LOANDEPOT.COM LLC ISAOA ATIMA

AMOUNT: \$679,900.00

PREMIUM: \$ 790.00 TAX: \$ 79.00 TOTAL: \$ 869.00

3. Title to the fee simple estate or interest in the land described or referred to in this Commitment is at the Effective Date hereof vested in:

William H. Zander and Melinda A. Siebel, husband and wife

4. The land referred to in this Commitment is described as follows:

See Exhibit "A" attached hereto.

EXHIBIT "A"

LOT 23 IN BLOCK 8 OF CHENNAULT BEACH, AS PER PLAT RECORDED IN VOLUME 11 OF PLATS, PAGES 96 THROUGH 99, RECORDS OF SNOHOMISH COUNTY AUDITOR;

SITUATE IN THE CITY OF MUKILTEO, COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

APN: 00408600802300

THE ADDRESS FOR THE EXHIBIT "A" ABOVE IS AS FOLLOWS:

10432 Marine View Dr Mukilteo, WA 98275

TITLE COMPANIES INSURE PROPERTIES BASED ON THE LEGAL DESCRIPTION (NOT THE PROPERTY ADDRESS),
AND THE PROPERTY ADDRESS IS NOT A PART OF THE LEGAL DESCRIPTION.
THE PROPERTY ADDRESS HAS BEEN ADDED TO THIS PAGE FOR REFERENCE ONLY.

COMMITMENT FOR TITLE INSURANCE **ISSUED BY** TITLE RESOURCES GUARANTY COMPANY **SCHEDULE B - SECTION I**

REQUIREMENTS: The following requirements must be satisfied (unless otherwise noted, all documents required to be recorded must be recorded in the official real estate records of the county in which said property is located):

- 1. Payment of the necessary consideration for the estate or interest to be insured.
- 2. Pay all premiums, fees and charges for the policy.
- 3. Documents satisfactory to the Company creating the estate or interest to be insured, must be properly executed, delivered and duly filed of record.
- 4. Payment of all taxes and/or assessments levied against the Land which are due, payable or delinguent.
- 5. You must tell us in writing the name of anyone not referred to in this Commitment who will get an interest in the land or who will make a loan on the land. We may have additional requirements or exceptions.
- 6. This transaction may be subject to an order issued pursuant to the Bank Secrecy Act. The policy issuing agent must be provided with certain information necessary to comply with the order prior to the closing. This transaction will not be insured and this issuing agent and/or its underwriter will not be involved in the closing and settlement until this information is submitted, reviewed and found to be complete.

SCHEDULE B - SECTION II

EXCEPTIONS: Schedule B of the Policy or Policies to be issued will contain exceptions to the following matters unless the same are disposed of to the satisfaction of the Company.

- See Schedule B Section II Standard Exceptions.
- 2. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the Effective Date but prior to the date the proposed Insured acquires for value of record the estate or mortgage thereon covered by this Commitment.

SPECIAL EXCEPTIONS:

GENERAL PROPERTY TAXES AND SERVICE CHARGES, AS FOLLOWS, TOGETHER WITH 1. INTEREST, PENALTY AND STATUTORY FORECLOSURE COSTS, IF ANY, AFTER DELINQUENCY:

(1ST HALF DELINQUENT ON MAY 1; 2ND HALF DELINQUENT ON NOVEMBER 1)

TAX ACCOUNT NO .:

00408600802300

YEAR

BILLED

PAID

BALANCE

2020

\$7,340.92

\$0.00

\$7,340.92

TOTAL AMOUNT DUE, NOT INCLUDING INTEREST AND PENALTY: \$7,340.92.

LEVY CODE:

0667

ASSESSED VALUE LAND:

\$690,900.00

ASSESSED VALUE IMPROVEMENTS:

\$184,300.00

TOTAL ASSESSED VALUE

\$875,200.00

SCHEDULE B- SECTION II (CONTINUED)

- 2. NOTICE OF ADDITIONAL TAP OR CONNECTION CHARGES BY THE MUKILTEO WATER DISTRICT FOR WATER OR SEWER FACILITIES, THE AMOUNTS AND CHARGES FOR WHICH HAVE BEEN OR WILL BE LEVIED AGAINST SAID PROPERTY, RECORDED UNDER RECORDING NOS. 8005220052 AND 8005220053, WHEREIN THE SPECIFIC AMOUNT LEVIED IS NOT DISCLOSED. SUCH AMOUNT SHOULD BE FURNISHED BY THE MUKILTEO WATER DISTRICT.
- 3. AGREEMENTS, COVENANTS, CONDITIONS AND RESTRICTIONS, IF ANY, APPEARING IN THE PUBLIC RECORDS.
- ANY EASEMENTS OR SERVITUDES APPEARING IN THE PUBLIC RECORDS.
- 5. ANY LEASE, GRANT, EXCEPTION OR RESERVATION OF MINERALS OR MINERAL RIGHTS APPEARING IN THE PUBLIC RECORDS.
- 6. DEED OF TRUST AND THE TERMS AND CONDITIONS THEREOF:

GRANTOR:

WILLIAM H. ZANDER AND MELINDA A. SIEBEL, HUSBAND AND WIFE

TRUSTEE:

CW TITLE

BENEFICIARY:

MORTGAGE ELECTRONIC REGISTRATION SYSTEMS ("MERS"), ACTING

SOLELY AS NOMINEE, AND LOANDEPOT.COM, LLC, AS LENDER

ORIGINAL AMOUNT:

DATED:

\$671,400.00 AUGUST 9, 2019

RECORDED:

AUGUST 14, 2019

RECORDING NO.:

201908140401

NOTE 1:

WITHIN THE PAST 36 MONTHS, THE FOLLOWING CONVEYANCES HAVE BEEN RECORDED IN SNOHOMISH, COUNTY, WHICH AFFECT THE PROPERTY DESCRIBED IN SCHEDULE A HEREIN:

A. QUIT CLAIM DEED, RECORDING NO. 201901080238.

NOTE 2:

WE FIND NO PERTINENT MATTERS OF RECORD AGAINST THE NAME(S) OF SAID BORROWER(S).

NOTE 3:

THE MATTERS RELATING TO THE QUESTIONS OF SURVEY, RIGHTS OF PARTIES IN POSSESSION, AND UNRECORDED LIENS FOR LABOR AND MATERIAL HAVE BEEN CLEARED FOR THE LOAN POLICY WHICH, WHEN ISSUED, WILL CONTAIN THE ALTA 9-06 OR WLTA 100 ENDORSEMENT, AS APPROPRIATE FOR THE POLICY FORM

NOTE 4:

BASED ON INFORMATION PROVIDED TO THE COMPANY, ON THE DATE OF THIS COMMITMENT IT APPEARS THAT THERE IS LOCATED ON THE LAND:

SINGLE FAMILY RESIDENCE

KNOWN AS:

10432 MARINE VIEW DR MUKILTEO, WA 98275

MAP

SCHEDULE B- SECTION II (CONTINUED)

NOTE 5: IF YOU WOULD LIKE THE COMPANY TO ACT AS TRUSTEE IN THE PROPOSED DEED OF

TRUST, PLEASE NOTE THAT CW TITLE MAY ACT AS TRUSTEE OF A DEED OF TRUST

UNDER RCW 61.24.010(1).

NOTE 6: THE COMPANY REQUIRES THE PROPOSED INSURED TO VERIFY THAT THE LAND

COVERED BY THIS COMMITMENT IS THE LAND INTENDED TO BE CONVEYED IN THIS TRANSACTION. THE DESCRIPTION OF THE LAND MAY BE INCORRECT, IF THE APPLICATION FOR TITLE INSURANCE CONTAINED INCOMPLETE OR INACCURATE INFORMATION. NOTIFY THE COMPANY WELL BEFORE CLOSING IF CHANGES ARE NECESSARY. CLOSING INSTRUCTIONS MUST INDICATE THAT THE LEGAL

DESCRIPTION HAS BEEN REVIEWED AND APPROVED BY ALL PARTIES.

NOTE 7: THE FOLLOWING MAY BE USED AS AN ABBREVIATED LEGAL DESCRIPTION ON THE

DOCUMENTS TO BE RECORDED, PER AMENDED RCW 65.04. SAID ABBREVIATED LEGAL DESCRIPTION IS NOT A SUBSTITUTE FOR A COMPLETE LEGAL DESCRIPTION

WITH THE BODY OF THE DOCUMENT

LOT 23, BLK 8, CHENNAULT BEACH, SNOHOMISH COUNTY

NOTE 8: IN THE EVENT THAT THE COMMITMENT JACKET IS NOT ATTACHED HERETO, ALL OF

THE TERMS, CONDITIONS AND PROVISIONS CONTAINED IN SAID JACKET ARE INCORPORATED HEREIN. THE COMMITMENT JACKET IS AVAILABLE FOR INSPECTION

AT ANY COMPANY OFFICE.

NOTE 9: THE POLICY(S) OF INSURANCE MAY CONTAIN A CLAUSE PERMITTING ARBITRATION

OF CLAIMS AT THE REQUEST OF EITHER THE INSURED OR THE COMPANY. UPON REQUEST, THE COMPANY WILL PROVIDE A COPY OF THIS CLAUSE AND THE ACCOMPANYING ARBITRATION RULES PRIOR TO THE CLOSING OF THE

TRANSACTION.

NOTE 10: A \$1.00 MAILING FEE WILL BE CHARGED PER DOCUMENT RECORDED.

NOTE 11: WHEN SENDING DOCUMENTS FOR RECORDING, VIA U.S. MAIL OR SPECIAL COURIER

SERVICE, PLEASE SEND TO THE FOLLOWING ADDRESS, UNLESS SPECIFIC

ARRANGEMENTS HAVE BEEN MADE WITH YOUR TITLE UNIT:

CW TITLE

CENTRAL BUILDING

1721 HEWITT AVENUE #403

EVERETT, WA 98201

ATTN: RECORDING DEPT.

CW TITLE PRE-ADDRESSED ENVELOPES MAY STILL BE USED WHEN SENDING DOCUMENTS VIA TDS (TITLE DELIVERY SERVICE) TO THE ADDRESS ON THE FACE OF

THE COMMITMENT COVER PAGE OR TO THE ABOVE ADDRESS.

(END OF SPECIAL EXCEPTIONS)

Investigation should be made to determine if there are any sewer treatment capacity charges or if there are any service, installation, maintenance, or construction charges for sewer, water or electricity.

SCHEDULE B- SECTION II (CONTINUED)

In the event this transaction fails to close, a cancellation fee will be charged for services rendered in accordance with our rate schedule.

Unless otherwise requested or specified herein, the forms of policy to be issued in connection with this Commitment will be the ALTA Homeowner's Policy of Title Insurance (2-03-10), and/or the ALTA Loan Policy (6-17-06).

If the policy to be issued is the ALTA Homeowner's Policy of Title Insurance (2-03-10), certain Covered Risks will be subject to maximum dollar limits of liability and deductible amounts.

The Policy committed for or requested may be examined by inquiry at the office that issued the Commitment. A specimen copy of the Policy form(s) referred to in this Commitment will be furnished promptly upon request.

Disclosure of Affiliated Business. CW Title has a business relationship with several Windermere Real Estate firms that own shares of CW Title through various entities. Several Windermere Real Estate Firms own shares specifically through one of the parent companies of CW Title. Because of this relationship, if you are working with a broker from a Windermere Real Estate firm, the firm may receive a financial benefit from referring a client to CW Title. You are not required to use CW Title as a condition to your purchase or sale of a particular property. There are other settlement service providers available with similar services for comparable prices.

JH6

Enclosures: Sketch Vesting Deed Paragraphs all recorded encumbrances



COMMITMENT FOR TITLE INSURANCE Issued by Title Resources Guaranty Company

Resources Guaranty Company

Title Resources Guaranty Company a Texas corporation ("Company"), for a valuable consideration, commits to issue its policy or policies of title insurance, as identified in Schedule A, in favor of the Proposed Insured named in Schedule A, as owner or mortgagee of the estate or interest in the land described or referred to in Schedule A, upon payment of the premiums and charges and compliance with the Requirements; all subject to the provisions of Schedules A and B and to the Conditions of this Commitment.

This Commitment shall be effective only when the identity of the Proposed Insured and the amount of the policy or policies committed for have been inserted in Schedule A by the Company.

All liability and obligation under this Commitment shall cease and terminate 180 days after the Effective Date or when the policy or policies committed for shall issue, whichever first occurs, provided that the failure to issue the policy or policies is not the fault of the Company.

The Company will provide a sample of the policy form upon request.

IN WITNESS WHEREOF, Title Resources Guaranty Company has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A.

An Authorized Signature

CONDITIONS

- 1. The term mortgage, when used herein, shall include deed of trust, trust deed, or other security instrument.
- If the proposed Insured has or acquires actual knowledge of any defect, lien, encumbrance, adverse claim or other matter affecting the estate or interest or mortgage thereon covered by this Commitment other than those shown in Schedule B hereof, and shall fail to disclose such knowledge to the Company in writing, the Company shall be relieved from liability for any loss or damage resulting from any act of reliance hereon to the extent the Company is prejudiced by failure to so disclose such knowledge. If the proposed Insured shall disclose such knowledge to the Company, or if the Company otherwise acquires actual knowledge of any such defect, lien, encumbrance, adverse claim or other matter, the Company at its option may amend Schedule B of this Commitment accordingly, but such amendment shall not relieve the Company from liability previously incurred pursuant to paragraph 3 of these Conditions and Stipulations.
- Liability of the Company under this Commitment shall be only to the named proposed Insured and such parties included under the definition of Insured in the form of policy or policies committed for and only for actual loss incurred in reliance hereon in undertaking in good faith (a) to comply with the requirements hereof, or (b) to eliminate exceptions shown in Schedule B, or (c) to acquire or create the estate or interest or mortgage thereon covered by this Commitment. In no event shall such liability exceed the amount stated in Schedule A for the policy or policies committed for and such liability is subject to the insuring provisions and Conditions and Stipulations and the Exclusions from Coverage of the form of policy or policies committed for in favor of the proposed Insured which are hereby incorporated by reference and are made a part of this Commitment except as expressly modified herein.
- 4. This Commitment is a contract to issue one or more title insurance policies and is not an abstract of title or a report of the condition of title. Any action or actions or rights of action that the proposed Insured may have or may bring against the Company arising out of the status of the title to the estate or interest or the status of the mortgage thereon covered by this Commitment must be based on and are subject to the provisions of this Commitment.
- The policy to be issued contains an arbitration clause. All arbitrable matters when the Amount of Insurance is \$2,000,000 or less shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties. You may review a copy of the arbitration rules at http://www.alta.org/.

SCHEDULE B- SECTION II (CONTINUED) STANDARD EXCEPTIONS

The matters listed below each policy form are expressly excepted from the coverage of that policy and that policy does not insure against loss or damage (and the Company will not pay costs, attorneys' fees or expenses) which arise by reason thereof.

SCHEDULE B STANDARD EXCEPTIONS THAT WILL APPEAR IN ALTA OWNER'S and LOAN POLICY – STANDARD COVERAGE

- 1. Taxes or assessments which are not now payable or which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records; proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
- 2. Any facts, rights, interests or claims which are not shown by the public records but which could be ascertained by an inspection of the land or which may be asserted by persons in possession, or claiming to be in possession, thereof.
- 3. Easements, liens or encumbrances, or claims thereof, which are not shown by the public records.
- 4. Any encroachment, encumbrance, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land, and that is not shown by the Public Records.
- 5. Any lien, or right to a lien, for labor, material, services or equipment, or for contributions to employee benefit plans, or liens under Worker's Compensation Acts, not disclosed by the public records.
- 6. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) Indian treaty or aboriginal rights, including, but not limited to, easements or equitable servitudes; or, (d) water rights, claims or title to water, whether or not the matters excepted under (a), (b), (c) or (d) are shown by the public records.
- 7. Right of use, control or regulation by the United States of America in the exercise of powers over navigation; any prohibition or limitation on the use, occupancy or improvement of the land resulting from the rights of the public or riparian owners to use any waters which may cover the land or to use any portion of the land which is now or may formerly have been covered by water.
- 8. Any service, installation, connection, maintenance or construction charges for sewer, water, electricity, or garbage collection or disposal, or other utilities unless disclosed as an existing lien by the public records.

SCHEDULE B STANDARD EXCEPTIONS THAT WILL APPEAR IN ALTA OWNER'S POLICY – EXTENDED COVERAGE

- 1. Taxes or assessments which are not now payable or which are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the public records; proceedings by a public agency which may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the public records.
- 2. Underground easements, servitudes or installations which are not disclosed by the public records.
- 3. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) Indian treaty or aboriginal rights, including, but not limited to, easements or equitable servitudes; or, (d) water rights, claims or title to water, whether or not the matters excepted under (a), (b), (c) or (d) are shown by the public records.
- 4. Right of use, control or regulation by the United States of America in the exercise of powers over navigation; any prohibition or limitation on the use, occupancy or improvement of the land resulting from the rights of the public or riparian owners to use any waters which may cover the land or to use any portion of the land which is now or may formerly have been covered by water.
- 5. Any service, installation, connection, maintenance or construction charges for sewer, water, electricity, or garbage collection or disposal, or other utilities unless disclosed as an existing lien by the public records.

The following are the Exclusions From Coverage contained in the form of the policy or policies as described in Schedule A of the Commitment.

AMERICAN LAND TITLE ASSOCIATION LOAN POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection; or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- 3. Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - (b) not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 11, 13, or 14); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Insured Mortgage.
- 4. Unenforceability of the lien of the Insured Mortgage because of the inability or failure of an Insured to comply with applicable doing-business laws of the state where the Land is situated.
- 5. Invalidity or unenforceability in whole or in part of the lien of the Insured Mortgage that arises out of the transaction evidenced by the Insured Mortgage and is based upon usury or any consumer credit protection or truth-in-lending law.
- 6. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction creating the lien of the Insured Mortgage, is
 - (a) a fraudulent conveyance or fraudulent transfer, or
 - (b) a preferential transfer for any reason not stated in Covered Risk 13(b) of this policy.
- 7. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the Insured Mortgage in the Public Records. This Exclusion does not modify or limit the coverage provided under Covered Risk 11(b).

AMERICAN LAND TITLE ASSOCIATION OWNER'S POLICY (06-17-06)

EXCLUSIONS FROM COVERAGE

The following matters are expressly excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

- 1. (a) Any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) restricting, regulating, prohibiting, or relating to
 - (i) the occupancy, use, or enjoyment of the Land;
 - (ii) the character, dimensions, or location of any improvement erected on the Land;
 - (iii) the subdivision of land; or
 - (iv) environmental protection;
 - or the effect of any violation of these laws, ordinances, or governmental regulations. This Exclusion 1(a) does not modify or limit the coverage provided under Covered Risk 5.
 - (b) Any governmental police power. This Exclusion 1(b) does not modify or limit the coverage provided under Covered Risk 6.
- 2. Rights of eminent domain. This Exclusion does not modify or limit the coverage provided under Covered Risk 7 or 8.
- Defects, liens, encumbrances, adverse claims, or other matters
 - (a) created, suffered, assumed, or agreed to by the Insured Claimant;
 - not Known to the Company, not recorded in the Public Records at Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
 - (c) resulting in no loss or damage to the Insured Claimant;
 - (d) attaching or created subsequent to Date of Policy (however, this does not modify or limit the coverage provided under Covered Risk 9 and 10); or
 - (e) resulting in loss or damage that would not have been sustained if the Insured Claimant had paid value for the Title.
- 4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights laws, that the transaction vesting the Title as shown in Schedule A, is
 - (a) a fraudulent conveyance or fraudulent transfer; or
 - (b) a preferential transfer for any reason not stated in Covered Risk 9 of this policy.
- 5. Any lien on the Title for real estate taxes or assessments imposed by governmental authority and created or attaching between Date of Policy and the date of recording of the deed or other instrument of transfer in the Public Records that vests Title as shown in Schedule A.

AMERICAN LAND TITLE ASSOCIATION HOMEOWNER'S POLICY OF TITLE INSURANCE FOR A ONE-TO-FOUR FAMILY RESIDENCE (2-03-10)

EXCLUSIONS FROM COVERAGE

In addition to the Exceptions in Schedule B, You are not insured against loss, costs, attorneys' fees, and expenses resulting from:

- Governmental police power, and the existence or violation of those portions of any law or government regulation concerning:
 - a. building;
 - b. zoning;
 - c. land use;
 - d. improvements on the Land;
 - e. land division; and
 - f. environmental protection.

This Exclusion does not limit the coverage described in Covered Risk 8.a., 14, 15, 16, 18, 19, 20, 23 or 27.

- 2. The failure of Your existing structures, or any part of them, to be constructed in accordance with applicable building codes. This Exclusion does not limit the coverage described in Covered Risk 14 or 15.
- 3. The right to take the Land by condemning it. This Exclusion does not limit the coverage described in Covered Risk 17.
- 4. Risks:
 - a. that are created, allowed, or agreed to by You, whether or not they are recorded in the Public Records;
 - b. that are Known to You at the Policy Date, but not to Us, unless they are recorded in the Public Records at the Policy Date;
 - c. that result in no loss to You; or
 - d. that first occur after the Policy Date this does not limit the coverage described in Covered Risk 7, 8.e., 25, 26, 27 or 28.
- 5. Failure to pay value for Your Title.
- 6. Lack of a right:
 - a. to any land outside the area specifically described and referred to in paragraph 3 of Schedule A; and
 - b. in streets, alleys, or waterways that touch the Land.

This Exclusion does not limit the coverage described in Covered Risk 11 or 21.

7. The transfer of the Title to You is invalid as a preferential transfer or as a fraudulent transfer or conveyance under federal bankruptcy, state insolvency, or similar creditors' rights laws.



Rev. 12-27-2019

	WHAT DOES TITLE RESOURCES GUARANTY COMPANY DO WITH YOUR PERSONAL INFORMATION?				
Why?	Financial companies choose how they share your personal information. Federal law gives consumers the right to limit some but not all sharing. Federal law also requires us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand what we do.				
What?	 you have with us. This infor Social Security num Payment history and Checking account in When you are no longer	mation we collect and share depend on the product or service mation can include: ber and account balances d credit card or other debt formation and wire transfer instructions our customer, we continue to share your information as			
	described in this notice.				
How?	All financial companies need to share customers' personal information to run their everyday business. In the section below, we list the reasons financial companies can share their customers' personal information; the reasons TITLE RESOURCES GUARANTY COMPANY chooses to share; and whether you can limit this sharing.				
Reasons we can share your personal information		Does TITLE RESOURCES GUARANTY COMPANY share?	Can you limit this sharing?		
such as to pro- maintain your	lay business purposes – cess your transactions, account(s), respond to nd legal investigations, or it bureaus	Yes	No		
such as to pro- maintain your court orders a report to credi For our marke	cess your transactions, account(s), respond to nd legal investigations, or	Yes	No We don't share		
such as to pro- maintain your court orders a report to credi For our marke our products a	cess your transactions, account(s), respond to nd legal investigations, or it bureaus ting purposes – to offer				
such as to pro- maintain your court orders as report to credi For our marke our products a For joint mark companies For our affiliat purposes – inf	cess your transactions, account(s), respond to nd legal investigations, or it bureaus ting purposes – to offer and services to you	No	We don't share		
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Who we are	Particular Commence of the Com
Who is providing this notice?	TITLE RESOURCES GUARANTY COMPANY
What we do	THE MEDITAL PROPERTY OF THE PARTY AND A SHOP A SHOP A SHOP AND A S
How Does TITLE RESOURCES GUARANTY COMPANY protect my personal information?	To protect your personal information from unauthorized access and use, we use security measures that comply with federal law. These measures include computer safeguards and secured files and buildings.
How does TITLE RESOURCES GUARANTY COMPANY collect my personal information?	We collect your personal information, for example, when you
Why can't I limit all sharing?	Federal law gives you the right to limit only
Definitions	
Affiliates	Companies related by common ownership or control. They can be financial and nonfinancial companies. • Our affiliates include companies that are owned in whole or in part by Realogy Holdings Corp., such as Better Homes and Gardens® Real Estate, CENTURY 21®, Coldwell Banker®, Coldwell Banker Commercial®, the Corcoran Group®, ERA®, Sotheby's International Realty®, ZipRealty®, NRT LLC, Cartus and Title Resources Group.
Nonaffiliates	Companies not related by common ownership or control. They can be financial and nonfinancial companies • TITLE RESOURCES GUARANTY COMPANY does not share with nonaffiliates so they can market to you.
Joint Marketing	A formal agreement between nonaffiliated financial companies that together market financial products or services to you. • TITLE RESOURCES GUARANTY COMPANY does not share with nonaffiliated financial companies for joint marketing purposes.
Other Important Inform	
For European Union Customers	Please see our Privacy Policy located at https://www.titleresources.com/privacypolicy
For our California Customers	Please see our notice about the California Consumer Protection Act located at https://www.titleresources.com/privacypolicy

We restrict access to nonpublic personal information about you to those employees who need to know that information in order to provide products or services to you. We maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

AFFILIATED BUSINESS ARRANGEMENT DISCLOSURE STATEMENT

To:

Consumer

Property: 10432 Marine View Dr

From: CW Title

Mukilteo, WA 98275 Date: February 5, 2020

From: CW little

Thank you for contacting **CW Title** (hereinafter "Agent"). Agent is jointly owned by WTG LLC (80% owner) and **Title Resource Group Affiliates Holdings, LLC** ("TRG") (20% owner). This is to give you notice that Agent has a business relationship with **Title Resources Guaranty Company**, which is a title insurance underwriting company. TRG's parent company is also the one hundred percent owner of **Title Resources Guaranty Company**. Because of this relationship, this referral of business to the underwriter below may provide Agent a financial or other benefit.

Set forth below is the estimated charge or range of charges for the underwriting services listed. You are NOT required to use the underwriter below in connection with the provision of title services. THERE ARE FREQUENTLY OTHER UNDERWRITERS AVAILABLE WITH SIMILAR SERVICES. YOU ARE FREE TO SHOP AROUND TO DETERMINE THAT YOU ARE RECEIVING THE BEST SERVICES AND THE BEST RATE FOR THESE SERVICES.

COMPANIES	DESCRIPTION OF CHARGES	ESTIMATE OF RANGE OF CHARGES GENERALLY MADE BY PROVIDER
Title Resources Guaranty Company	Title Insurance Premium	Title Insurance premium between \$7.72 and \$4.37 per thousand dollars of policy coverage.*
		*This range of charges covers, as an example, policies from \$100,000.00 to \$400,000.00, however the cost to you will differ depending on the policy amount.

File No.: 40246442-807-LT4

EXHIBIT "A"

LOT 23 IN BLOCK 8 OF CHENNAULT BEACH, AS PER PLAT RECORDED IN VOLUME 11 OF PLATS, PAGES 96 THROUGH 99, RECORDS OF SNOHOMISH COUNTY AUDITOR;

SITUATE IN THE CITY OF MUKILTEO, COUNTY OF SNOHOMISH, STATE OF WASHINGTON.

THE ADDRESS FOR THE EXHIBIT "A" ABOVE IS AS FOLLOWS:

10432 Marine View Dr Mukilteo, WA 98275

TITLE COMPANIES INSURE PROPERTIES BASED ON THE LEGAL DESCRIPTION (NOT THE PROPERTY ADDRESS), AND THE PROPERTY ADDRESS IS NOT A PART OF THE LEGAL DESCRIPTION. THE PROPERTY ADDRESS HAS BEEN ADDED TO THIS PAGE FOR REFERENCE ONLY.

N		

No 10295047 1/8/2019 9 59 AM Thank you for your payment

After recording return to:
William H Zander
Melinda A Siebel
10432 Marine View Drive
Mukilteo, WA 98275



Reference: 40221790-807-SB5

QUIT CLAIM DEED

THE GRANTOR(5), William H Zander, spouse of Melinda A Siebel,

for and in consideration of to establish community property

in hand paid, conveys and quit claims to William H Zander and Melinda A Siebel, husband and wife

the following described real estate, situated in the County of Snohomish, State of Washington, together with all after acquired title of the grantor(s) herein:

LOT 23 IN BLOCK 8 OF CHENNAULT BEACH, AS PER PLAT RECORDED IN VOLUME 11 OF PLATS, PAGES 96 THROUGH 99, RECORDS OF SNOHOMISH COUNTY AUDITOR,

SITUATE IN THE CITY OF Mukilteo, COUNTY OF Snohomish, STATE OF WASHINGTON.

Abbreviated Legal: (Required if full legal not inserted above.) LOT 23 IN BLOCK 8 OF CHENNAULT BEACH, SNOHOMISH COUNTY

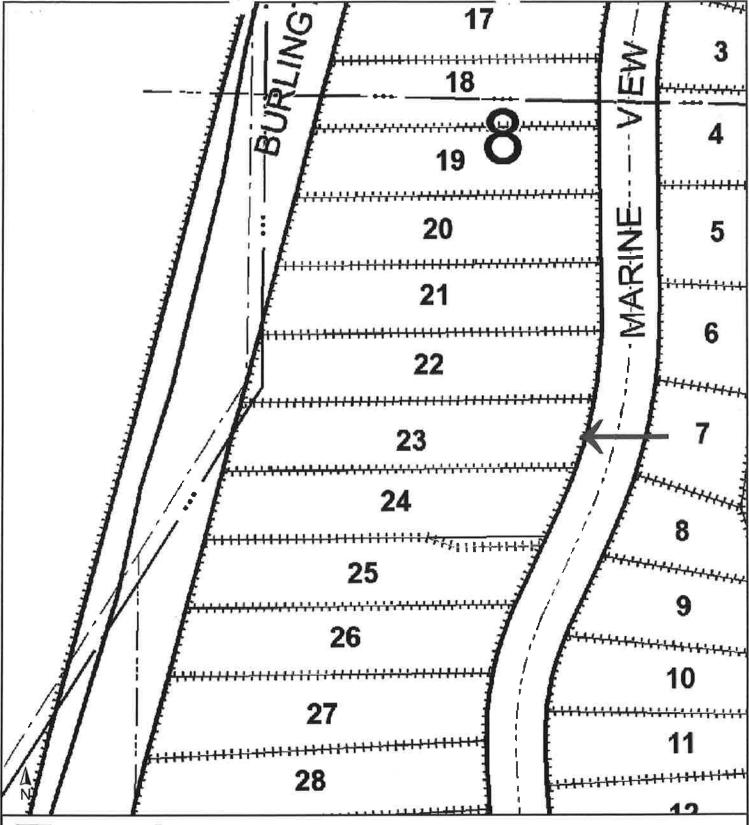
Tax Parcel Number(s): 00408600802300

Page 1 of 2 CW Title and Escrow

LPB-12-05(ltr) (01/06)

State of Washington
County of Aday of Accompton State of Washington Washington State of Washington Washington Washington Washington Washington State of Washington Wash

Reference: Quit Claim Deed 40221790-807-SB5



Cwewtitle

Customer Service Dept 1-855-298-4853 | CWService@CWTitle.net

ParcelID: 00408600802300

10432 Marine View Dr Mukilteo, WA 98275

This map/plat is being furnished as an aid in locating the herein described land in relation to adjoining streets, natural boundaries and other land, and is not a survey of the land depicted. Except to the extent a policy of title insurance is expressly modified by endorsement, if any, the company does not insure dimensions, distances, location of easements, acreage or other matters shown thereon.

Y/100



January 9, 2020 HWA Project No. 2007-051-21 RECEIVED

MAR 0 4 2020 CITY OF MUKILTEO

Bill Zander 10431 Marine View Drive Mukilteo, Washington 98275

Subject:

ADDENDUM TO GEOTECHNICAL REPORT

Zander Residence

10431 Marine View Drive Mukilteo, Washington 98275

Dear Mr. Zander:

This addendum letter report is a follow up to our June 1, 2007 Geotechnical Report, July 17, 2007 Revised Foundation Design letter, and July 11, 2013 Project Memorandum for the subject property. HWA's understanding is that the new plans for the home include adding a second story to the southern two-thirds of the existing house and adding a completely new section of 2-story house east of the existing house. The new section will include a slab on grade garage.

Our recent site reconnaissance included a visual assessment of the exterior of the house and surrounding areas.

NEW OBSERVATIONS

During out resent site reconnaissance HWA noted the condition of the existing foundations to be generally good. Minor shrinkage cracking was noted in some locations, but within the area of the proposed new site improvements, significant cracks that may indicate poor foundation materials and significant settlement issues were not observed. The soil in the front yard, east of the existing house and north of the driveway was observed to have very soft soils and was visibly wet at the time of our site visit. Additionally, when probed using a ½ inch diameter T-probe the soil was observed to in as much as 2 feet in places.

These observations are consistent with the observed conditions noted in our 2013 site reconnaissance and our previous site explorations in 2007. More in depth descriptions of the site conditions can be found in our previous report, letter and memo.



CONCLUSIONS AND RECOMMENDATIONS

The previous site explorations around the existing home show stiff to very stiff fine-grained soils near the foundations level. The explorations in the area east of the existing house and north of the driveway showed up to 5 feet of soft/loose, and organic soil above stiffer native fine-grained soils. Based on the noted conditions HWA believes that the proposed site improvements are feasible provided the recommendations in this addendum report are followed. Please note that any recommendations provided in the previously referenced report, letter and memo issued by HWA remain valid unless superseded by this addendum letter report.

SEISMIC DESIGN VALUES

The contribution of potential earthquake-induced ground motion from known sources is included in the probabilistic ground motion maps developed by the USGS. Design data seismic site characterization and design recommendations based on USGS mapping and analysis are implemented in the 2015 International Building Code (IBC). As part of this code, the design of structures must consider dynamic forces resulting from seismic events. These forces are dependent upon the magnitude of the earthquake event as well as the properties of the soils that underlie the site.

As part of the procedure to evaluate seismic forces, the 2015 IBC requires the evaluation of the Seismic Site Class, which categorizes the site based upon the characteristics of the subsurface profile within the upper 100 feet of the ground surface. For this project, soil conditions and soil consistencies observed during explorations classify the site as site class "D" as defined in Table 20.3-1 of ASCE 07. The associated 2015 IBC probabilistic ground acceleration values and site coefficients for the area were obtained from the Applied Technology Council (ATC) Hazard web page. The risk targeted seismic values and coefficient are presented in Table 1.

Table 1: Ground Motion Values, Site Class D*

Period (sec)]	pped MCE Spectral Response eleration (g)	Со	Site efficients	Adjusted MCE Spectral Response Acceleration (g)		1	Design Spectral Response Acceleration (g)	
0.2	S_s	1.415	F_a	1.000	S_{Ms}	1.415	S_{Ds}	0.943	
1.0	S_1	0.559	$F_{ u}$	1.500	S_{MI}	0.839	S_{D1}	0.559	

*2% Probability of Exceedance in 50 years for Latitude 47.9032° and Longitude -122.9238°

MCE = Maximum Considered Earthquake

Peak Ground Acceleration = PGA = 596.

Site Coefficient $F_{PGA} = 1.000$,

Geometric Mean Peak Ground Acceleration (PGA_M) = 0.596

January 9, 2020 HWA Project No. 2007-051-21 T400

variable across footings, cracking of the foundation will likely occur due to these differential settlements. This can be mitigated by avoiding additional variable loading on footing and foundation walls, where possible, and separating areas with additional load from areas where no additional loading is required.

NEW FOUNDATIONS

New foundations are planned in the area immediately east of the existing home and north of the driveway. Based on the previous explorations the soil in this area was found to be, soft, loose, or organic in nature to a depth of up to 5 feet below existing site grades. HWA offers two options for foundations in this area.

Option 1 - Stem Walls: Areas where footings are to be placed could be excavated down to the stiff native soil contact (estimated to be about 5 feet below grade) and place the footings directly on the native stiff soils. Then extend stem walls up from the footings to allow for the construction of the new section of home. Walls should be back-filled with structural fill placed and compacted in accordance with the Structural Fill section of this addendum letter report.

Option 2 – Over-Excavation and Backfill: Areas below footings could be excavated down to stiff native soil and then backfilled up to the proposed base of footing with structural fill placed in accordance with the Structural Fill section of this addendum report. Over-excavation and backfill areas below footings should extend laterally a distance equivalent to the depth of over-excavation or 2 feet on all sides of the footings, whichever is less. For example, if a 2 foot wide strip footing extend 1½ feet below grade with an over-excavation below the footing extending 2 feet below the base of footing, the over-excavation and backfill area should be at least 6 feet wide.

For both options described in this section, foundations founded above them can be designed using an allowable bearing capacity of 2,000 psf.

Where new footings are to be installed on other portions of the site they should bear on stiff native soil and be designed using a maximum allowable bearing pressure of 2,000 psf.

For new footings founded in the manners described above total settlements are anticipated to be on the order of 3/4 inch with differential settlements on the order of ½ inch over a 40 foot span. Please note that if new footings connect to existing footings with or without additional applied loads, differential settlements between such footings should be expected and likely be larger and occur over short distances. These differential settlements should be accounted for in the home design and could be mitigated by not interconnecting footings with different anticipated settlements.

Based on the above referenced Ground Motions Values the Seismic Design Category for the site is "D".

STRUCTURAL FILL

All fill placed beneath footings, driveways and slab-on-grade structures should be installed as structural fill. Based on the previous explorations and observations during our recent site visit, the onsite soils appear to be fine grained and above their anticipated optimum moisture content for compaction. As a result, the onsite soils do not appear to be suitable for use as structural fill. Imported structural fill should consist of pit-run or quarry-run rock, crushed rock, crushed gravel, or sand. It should be well-graded between coarse and fine material and have less than 10 percent by weight passing the U.S. Standard No. 200 Sieve. The material should be placed in lifts with a maximum un-compacted thickness of 12 inches and compacted to not less than 95 percent of its maximum dry density as determined by ASTM D698, or to a firm and unyielding state as determined by HWA.

The condition of the subgrade should be evaluated by an HWA representative before fill placement or construction begins.

EXISTING FOUNDATIONS

The existing foundations in the area where the second story addition is planned is likely on native soils based on the relatively minor amounts of foundation cracking observed and the data from our explorations. Based on the soil conditions noted in the boring logs around the existing footings HWA recommends that a maximum allowable soil bearing pressure of 2,000 pound per square foot (psf) be utilized in the assessment of loads being exerted on these footings.

It should be noted that, based on the age of the existing structure, existing footing have likely already experienced most of the settlement that the current loading conditions will cause. Increasing the loading on these footings due to the construction of a second story will cause increased settlements but without knowing more precisely how the current foundations are loaded and how much the load increases are expected to be with the new site improvements the amount of new settlements experienced by the new structures foundations is difficult to properly assess. However, if we make a conservative assumption of currently loading on the order of 1,000 psf and the new loading will be 2,000 psf HWA estimates that the additional total settlements will be on the order of ½ inch with differential settlements on the order of ½ inch over a 40-foot span.

Please note that these predicted settlements assume full loading across all footings and if variable loading occurs more pronounced differential settlements could occur. Also, if additional loading of footings occurs next to footings with no additional loading, differential settlements may occur over much shorter distances and will be equivalent to the total new settlement of the structure. In the case of foundation walls where increased loading is

January 9, 2020 HWA Project No. 2007-051-21 T400

overlap at least 18 inches or be sealed with tape in accordance with the manufacture's recommendations.

FOUNDATION DRAINAGE

We recommend footing drains be placed around the perimeter of the building foundations to reduce the potential for lateral migration of moisture into the building envelope. Footing drains should consist of 4-inch diameter slotted or perforated plastic pipe bedded in capillary break material (washed pea gravel). Roof drains (downspouts) should tight-lined to a suitable discharge location and should not be connected to or flow into foundation drains.

Pavement surfaces and open space areas should be sloped to drain away from structures such that surface water flows away from structures and cannot pond against foundation walls.

DESIGN REVIEW AND CONSTRUCTION MONITORING

We welcome the opportunity to review and discuss construction plans and specifications as they are being developed. We are of the opinion that to observe compliance with the design concepts, specifications, and recommendations, construction operations dealing with earthwork and foundations should be observed by a qualified geotechnical engineer. We would be pleased to provide these services to you.

UNCERTAINTIES AND LIMITATIONS

We have prepared this report for Mr. Bill Zander and his agents for use in design and construction of the Zander Residence at 10431 Marine View Drive in Mukilteo, Washington.

This report should be provided in its entirety to prospective contractors for bidding and estimating purposes; however, the conclusions and interpretations presented in this report should not be construed as our warranty of the subsurface conditions. Experience has shown that soil and ground water conditions can vary significantly over small distances. Inconsistent conditions can occur between explorations and may not be detected by a geotechnical study of this limited nature. If, during future site operations, subsurface conditions are encountered which vary appreciably from those described herein, HWA should be notified for review of the recommendations of this report, and revision of such if necessary.

Within the limitations of scope, schedule and budget, HWA attempted to execute these services in accordance with generally accepted professional principles and practices in the fields of geotechnical engineering and engineering geology in the area at the time the report was prepared. No warranty, expressed or implied, is made. The scope of our work did not include environmental assessments or evaluations regarding the presence or absence of wetlands or hazardous substances in the soil, surface water, or ground water at

ADDITIONAL FOUNDATION RECOMMENDATIONS

The above referenced bearing capacity values apply to the total of dead load and/or frequently applied live load, and can be increased by up to one-third for all loads, including: dead, live, wind, and seismic. HWA recommends that strip and column footings have minimum dimensions of 18 inches and 2 feet, respectively. Additionally, HWA recommends that all foundation elements be extended at least 18 inches below final site grades.

EXCAVATION AND SLOPE RECOMMENDATIONS

Excavations should be made in accordance with applicable Federal and State Occupational Safety and Health Administration regulations. Trenches will need to be sloped or shored from the ground surface due to the potential for caving. Actual inclinations will ultimately depend on the soil conditions encountered during earthwork. While we may recommend certain approaches for trench excavations, the contractor should be responsible for selecting the excavation technique, monitoring the trench excavations for safety, and providing shoring, as required, to protect personnel and adjacent improvements.

The fill soils in the eastern portion of the site classify as Type C soils and should be cut no steeper than 1½H:1V (Horizontal:Vertical). The native silt and clay soils classify as Type B soil and should be cut no steeper than 1H:1V. Excavations must be safely sloped or shored. The contractor should be aware that excavation and shoring should conform to the requirements specified in the applicable local, state, and federal safety regulations, such as OSHA Health and Safety Standards for Excavations, 29 CFR Part 1926, or successor regulations.

Excavation and construction operations may expose the on-site soils to inclement weather conditions. The stability of exposed soils may deteriorate due to a change in moisture content or the action of heavy or repeated construction traffic. Accordingly, foundation and pavement area excavations should be protected from the elements and from the action of repetitive or heavy construction loadings.

Utilities trenches within the building, pavement, and sidewalk areas should be backfilled with granular structural fill and be compacted in accordance with the Structural Fill section of this addendum report.

FLOOR SUPPORT

All soft or disturbed soils should be removed from beneath areas to receive floors and pavements and replaced with properly compacted structural fill.

Slab-on-grade floors should be underlain by at least 4 inches of clean gravel to serve as a capillary break. A plastic sheet having a minimum thickness of 6 mils should be placed immediately over the capillary break as a vapor barrier. Joints in the vapor barrier should

January 9, 2020 HWA Project No. 2007-051-21 T400

this site, nor the impact of this project upon existing conditions or the impact of existing conditions other than geotechnical on the project.

HWA does not practice or consult in the field of safety engineering. We do not direct the contractor's operations and cannot be responsible for the safety of personnel other than our own on the site. As such, the safety of others is the responsibility of the contractor. However, the contractor should notify the owner if he considers any of the recommended actions presented herein unsafe.

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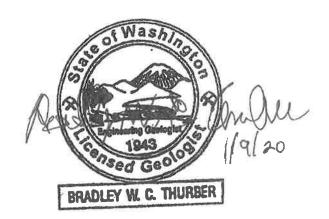
We are pleased to provide continuing geotechnical services for this project. If you have any questions, please feel free to call the undersigned at 425-774-0106.



Sincerely,

Michael S. Place, P.E. Senior Geotechnical Engineer

425.977.5063



Brad W. Thurber, L.E.G. Senior Engineering Geologist

REFERENCES

Applied Technology Council (ATC), Seismic Design Maps, Hazard Tool https://hazards.atcouncil.org/#/.

ASCE 7-10, Minimum Design Load and Associated Criteria for Buildings and Other Structures.

International Code Council, 2018, International Building Code.

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Rev. Date By

1 OF 25 THIS SHEET FULL SIZE @ 24" x 36"

zander residence

mukilteo washington

CITY OF MUKILTEO
POST PERMIT REVISION
10.22.19



58/1031).

N 333128.544'

E 1274989.518'

ELEVATION 129.75 NAVD 88

BASIS OF BEARING

THE HORIZONTAL COORDINATES AND BEARINGS ARE BASED

ZONE, EXPRESSED IN US SURVEY FEET. THE BASIS OF THESE

ALONG WITH PT 100 (SNOHOMISH COUNTY DESIGNATION

ON WASHINGTON STATE PLANE COORDINATES, NORTH

COORDINATES IS "CORS" STATIONS "SEAT" AND "SEAI",

BRASS DISK IN CONCRETE, IN MONUMENT CASE

ZANDER RESIDENCE NW 1/4, NE 1/4, SECTION 20, TOWNSHIP 28 NORTH, RANGE 4

10432 MARINE VIEW DR MUKILTEO, WA 98275

OWNER

WILLIAM ZANDER 10432 MARINE VIEW DR.

MUKILTEO, WA 98275

ARCHITECT CITIZEN DESIGN COLLABORATIVE 46 ETRURIA ST., #201 SEATTLE, WA 98109 206.853.8055

CONTACT: CHRIS FROSSARD

STRUCTURAL ENGINEER CHRIS FROSSARD ENGINEERING 4616 25TH AVE NE, #585 SEATTLE, WA 98105 206.683.5435

CONSULTANTS

CIVIL ENGINEER CG ENGINEERING 250 4TH AVE S, SUITE 200 EDMONDS, WA 98020 425.778.8500 FAX 778.5536 CONTACT: JARED UNDERBRINK, PE

SOIL/GEOTECH ENGINEER HWA GEOSCIENCES, INC. 21312 30TH DR SE, SUITE 110 BOTHELL, WA 98021 425.774.0106 CONTACT: BRYAN HAWKINS

LEGAL DESCRIPTION

LOT 23, BLOCK 8, OF CHENNAULT BEACH SUBDIVISION NE, SEC 20, TWN 28 N, RGE 4 E, WM.

TAX PARCEL

CAUTION! CALL BEFORE YOU DIG!

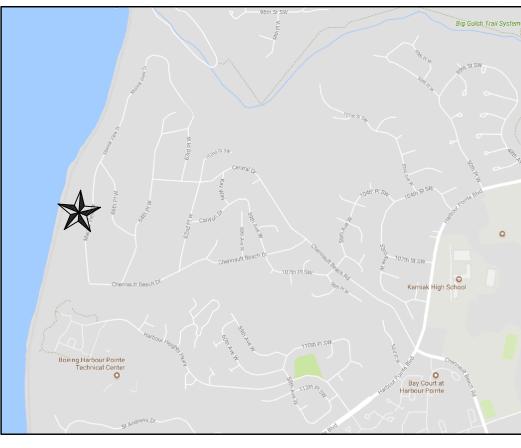
BURIED UTILITIES EXIST IN THE AREA AND UTILITY INFORMATION SHOWN MAY NOT BE COMPLETE. CONTACT THE ONE- CALL UTILITY LOCATE SERVICE A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION

1-800-424-5555

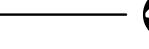
SHEET INDEX

C1.1 COVER SHEET & GENERAL NOTES TEMPORARY EROSION CONTROL PLAN C3.1 GRADING & DRAINAGE PLAN & DETAILS

C3.2 GRADING & DRAINAGE DETAILS



VICINITY MAP





GENERAL NOTES

GENERAL NOTES

- 1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT CITY OF MUKILTEO STANDARDS AND SPECIFICATIONS; THE CURRENT EDITION OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION; AND THE ADOPTED EDITION OF THE WASHINGTON STATE DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL FOR WESTERN
- 2. ALL WORK WITHIN THE PLAT AND CITY RIGHT-OF-WAY SHALL BE SUBJECT TO THE INSPECTION OF THE CITY ENGINEER OR DESIGNATED REPRESENTATIVE.
- 3. PRIOR TO ANY SITE CONSTRUCTION INCLUDING CLEARING/LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY
- 4. THE DEVELOPER, CONTRACTOR AND PROJECT ENGINEER IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS CG ENGINEERING, 425.778.8500
- 5. PRIOR TO ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE CITY OF MUKILTEO COMMUNITY DEVELOPMENT AT 425-355-4141 X251 TO SCHEDULE A PRECONSTRUCTION CONFERENCE. ENGINEERED AS-BUILT DRAWINGS IN ACCORDANCE WITH THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE SHALL BE REQUIRED PRIOR TO FINAL SITE APPROVAL. 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS FOR UTILITY, ROAD, AND RIGHTOF-WAY CONSTRUCTION. THE CONTRACTOR FOR THIS PROJECT IS TBD.
- 7. THE CONSTRUCTION STORMWATER POLLUTION PREVENTION (SWPP) FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPP PLANS PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. SEDIMENT LADEN WATERS SHALL NOT ENTER THE NATURAL DRAINAGE SYSTEM.
- 8. NONCOMPLIANCE WITH THE REQUIREMENTS FOR; EROSION CONTROLS, WATER QUALITY AND CLEARING LIMITS MAY RESULT IN REVOCATION OF; PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.
- 9. TRENCH BACKFILL OF NEW UTILITIES AND STORM DRAINAGE FACILITIES SHALL BE COMPACTED TO 95% MAXIMUM DENSITY (MODIFIED PROCTOR) UNDER ROADWAYS AND 90% MAXIMUM DENSITY (MODIFIED PROCTOR) OFF ROADWAYS. COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH SECTIONS 7-08.3(3) AND 2-03.3(14)C - METHOD B AS DEFINED IN THE CURRENT EDITION OF THE WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION.
- 10. THE OWNER AND CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. LOCATION OF UTILITIES SHOWN ON CONSTRUCTION PLANS ARE BASED ON BEST RECORDS AVAILABLE AND ARE SUBJECT TO VARIATION. FOR ASSISTANCE IN UTILITY LOCATION, CALL
- 11.PRIOR TO CONSTRUCTION THE OWNER AND/OR CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND THE CITY ENGINEER WHEN CONFLICTS EXIST BETWEEN THE PLANS AND FIELD CONDITIONS. CONFLICTS SHALL BE RESOLVED (INCLUDING PLAN AND PROFILE REVISIONS) AND RESUBMITTED FOR APPROVAL PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 12. THE CONTRACTOR SHALL KEEP TWO SETS OF PLANS ON SITE AT ALL TIMES FOR RECORDING AS-BUILT INFORMATION; ONE SET SHALL BE SUBMITTED TO THE PROJECT ENGINEER, AND ONE SET SHALL BE SUBMITTED TO THE CITY ENGINEER AT COMPLETION OF CONSTRUCTION AND PRIOR TO FINAL ACCEPTANCE OF WORK. MUKILTEO DEVELOPMENT STANDARDS 55
- 13. A GRADING PERMIT ISSUED PURSUANT TO THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE, AND APPROVAL OF THE TEMPORARY EROSION AND SEDIMENTATION CONTROL PLAN SHALL BE OBTAINED FROM THE COMMUNITY DEVELOPMENT DEPARTMENT PRIOR TO ANY ON-SITE GRADING WORK NOT EXPRESSLY EXEMPT BY THE CURRENT ADOPTED INTERNATIONAL BUILDING CODE.
- 14. PRIOR TO COMMENCEMENT OF FRAMING, FINAL DRAINAGE INSPECTION AND APPROVAL OF THE ROOF LEADER AND POSITIVE FOOTING SYSTEMS SHALL BE COMPLETED BY THE BUILDING DEPARTMENT. CALL 360-363-8100 TO SCHEDULE THE INSPECTION.

SITE GRADING AND SWPPP NOTES

1. NONCOMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND CLEARING LIMITS VIOLATIONS MAY RESULT IN REVOCATION OF PROJECT PERMITS AND PLAN APPROVAL AND BOND FORECLOSURES.

SURVEYOR

APS SURVEY & MAPPING

BELLEVUE, WA 98005

CONTACT: TYLER SWEET

13221 SE 26TH ST, SUITE A

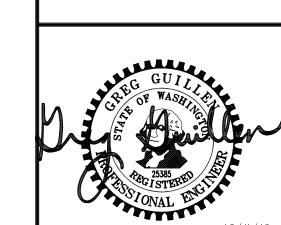
425.746.3200 FAX 425.746.3342

- 2. PRIOR TO ANY SITE CONSTRUCTION, INCLUDING CLEARING, LOGGING OR GRADING, THE SITE CLEARING LIMITS SHALL BE LOCATED AND FIELD IDENTIFIED BY THE PROJECT SURVEYOR (OR PROJECT ENGINEER) AS REQUIRED BY
- . THE DEVELOPER (OR PROJECT ENGINEER) IS RESPONSIBLE FOR WATER QUALITY AS DETERMINED BY THE MONITORING PROGRAM ESTABLISHED BY THE PROJECT ENGINEER. THE PROJECT ENGINEER'S NAME AND PHONE NUMBER IS CG ENGINEERING, 425.778.8500.
- 4. THE CONSTRUCTION STORMWATER POLLUTION PREVENTION FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED SWPPP PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING. AN INSPECTION BY THE CITY OF THESE FACILITIES SHALL BE ARRANGED FOR BY THE CONTRACTOR PRIOR TO ANY GRADING. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. MUKILTEO DEVELOPMENT STANDARDS 57
- 5. ALL SITE WORK MUST BE PERFORMED IN ACCORDANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.
- 6. ALL EARTH WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARDS. A PRECONSTRUCTION SOILS INVESTIGATION MAY BE REQUIRED TO EVALUATE SOILS STABILITY.
- 7. IF CUT AND FILL SLOPES EXCEED A MAXIMUM OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL. A ROCK OR CONCRETE RETAINING WALL MAY BE REQUIRED. ALL ROCK RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT ARE TO BE DESIGNED AND CERTIFIED BY A PROFESSIONAL ENGINEER EXPERIENCED IN SOIL MECHANICS.
- 8. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED BY TEMPORARY SEEDING AND MULCHING. HYDROSEEDING IS PREFERRED.
- 9. ALL STRUCTURAL FILLS SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY IN THE UPPER 4 FEET & 90% MAXIMUM DENSITY BELOW 4 FEET AS DETERMINED BY MODIFIED PROCTOR.

10. PRIOR TO ANY SITE WORK PERTAINING TO DRAINAGE, THE CONTRACTOR SHALL CONTACT COMMUNITY DEVELOPMENT AT 425-263-8000 TO SCHEDULE A PRECONSTRUCTION CONFERENCE.

- 11. CONSTRUCTION STORMWATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED PRIOR TO ANY SITE WORK. (SEE ATTACHED DETAILED DRAINAGE PLAN).
- 12. THE SURFACE OF ALL SLOPES SHALL BE COMPACTED. THIS MAY BE ACCOMPLISHED BY OVERBUILDING THE SLOPES, THEN CUTTING BACK TO FINAL GRADES; OR BY COMPACTING EACH LIFT AS THE SLOPE IS BEING CONSTRUCTED. ALL SLOPES SHALL BE COMPACTED BY THE END OF EACH WORKING DAY. 13. UPON COMPLETION OF WORK, FINAL REPORTS MUST BE SUBMITTED TO THE CITY IN CONFORMANCE WITH THE CURRENT CITY ADOPTED INTERNATIONAL BUILDING CODE.

DECODIDE	EVICTIALO	DDCDCCC		10000	ATION:	•
DESCRIPTION	EXISTING	PROPOSED		ABBREVI		T
PROPERTY LINE			ABN	ABANDONED	MIN	MINIMUM
ADJACENT PROPERTY LINE			BLDG	BUILDING	MJ	MECHANICAL JOINT
CENTERLINE			BOW	BOTTOM OF WALL	MON	MONUMENT
CLEARING LIMITS		~~~~~	Ę.	CENTERLINE	NTS	NOT TO SCALE
SILT FENCE	XX	xx	СВ	CATCH BASIN	ОС	ON CENTER
CONTOUR LINE			CMP	CORRUGATED METAL PIPE	PC	POINT OF CURVATURE
FENCE			со	CLEANOUT	PI	POINT OF INTERSECTION
SANITARY SEWER LINE	\longrightarrow \rightarrow $-$ SS $ \rightarrow$ $-$ SS $-$	→ SS → SS —	CONC	CONCRETE	PIV	POST INDICATOR VALVE
MANHOLE	6		CONST	CONSTRUCTION	P	PROPERTY LINE
STORM DRAIN MAIN	\longrightarrow \rightarrow $-$ SD $ \rightarrow$ $-$ SD $-$	→ SD → SD —	СР	CONCRETE PIPE	PT	POINT OF TANGENCY
STORM DRAIN PIPE			CU YD	CUBIC YARD	PVC	POLYVINYL CHLORIDE PIP
ROOF DRAIN	— — — R — — R — — — R —	R R	DDCVA	DOUBLE DETECTOR CHECK VALVE ASSEMBLY	PVI	POINT OF VERTICAL INTERSECTION
FOOTING DRAIN	— — — F — — — F —	FF	DI	DUCTILE IRON PIPE	PVMT	PAVEMENT
PRESSURE LINE	— — — P — — P — — — — —	P P	DIA	DIAMETER	PVT	POINT OF VERTICAL TANG
CATCH BASIN (TYPE 1)			DIP	DUCTILE IRON PIPE	R	RADIUS
CATCH BASIN (TYPE 2)			EA	EACH	REINF	REINFORCEMENT
CLEANOUT	0	•	EJ	EXPANSION JOINT	RJ	RESTRAINED JOINT
CLEANOUT AND WYE			ELEV	ELEVATION	RET	RETAINING
GRADE BREAK			EOP	EDGE OF PAVEMENT	RT	RIGHT
SURFACE SWALE	. >	· >— · · · · ·	EX	EXISTING	SD	STORM DRAIN
DRAINAGE ARROW			FDC	FIRE DEPT. CONNECTION	SECT	SECTION
WATER LINE			FFE	FINISHED FLOOR ELEVATION	SDMH	STORM DRAIN MANHOLE
WATER METER	H	6	FH	FIRE HYDRANT	SIM	SIMILAR
FIRE HYDRANT	7,70	X	FL	FLANGE	SQ	SQUARE
FDC	V	₩	FT	FEET/FOOT	SS	SANITARY SEWER
PIV	0	•	GV	GATE VALVE	SSMH	SANITARY SEWER MANHOLE
GATE VALVE	\boxtimes	X	HP	HIGH POINT	STA	STATION
TEE	Ţ.	工	HT	HEIGHT	STD	STANDARD
90° BEND	Ļ	니	ID	INSIDE DIAMETER	STL	STEEL
THRUST BLOCKING	Δ	A	IE	INVERT ELEVATION	ТВ	THRUST BLOCK
CAP		u	L	LENGTH/LINE	тос	TOP OF CURB
CONCRETE PAVEMENT	Δ	A A A	LCPE	LINED CORRUGATED POLYETHYLENE PIPE	TOW	TOP OF WALL
ASPHALT PAVEMENT			LF	LINEAL FOOT	ТОР	TOP ELEVATION
CRUSHED SURFACING			LP	LOW POINT	TYP	TYPICAL
ROCKERY	000000000	000000000	LT	LEFT	VC	VERTICAL CURVE
SPOT ELEVATION	20.0	20.0	MAX	MAXIMUM	W/	WITH
TELEPHONE LINE	— — — T — — T — — T —	TT	MECH	MECHANICAL	WM	WATER METER
POWER LINE	— — — E — — E — — E —	EE	МН	MANHOLE		
GAS LINE	— — — G — — — G —					
SIGN		Д				



EDMONDS, WASHINGTON 98020

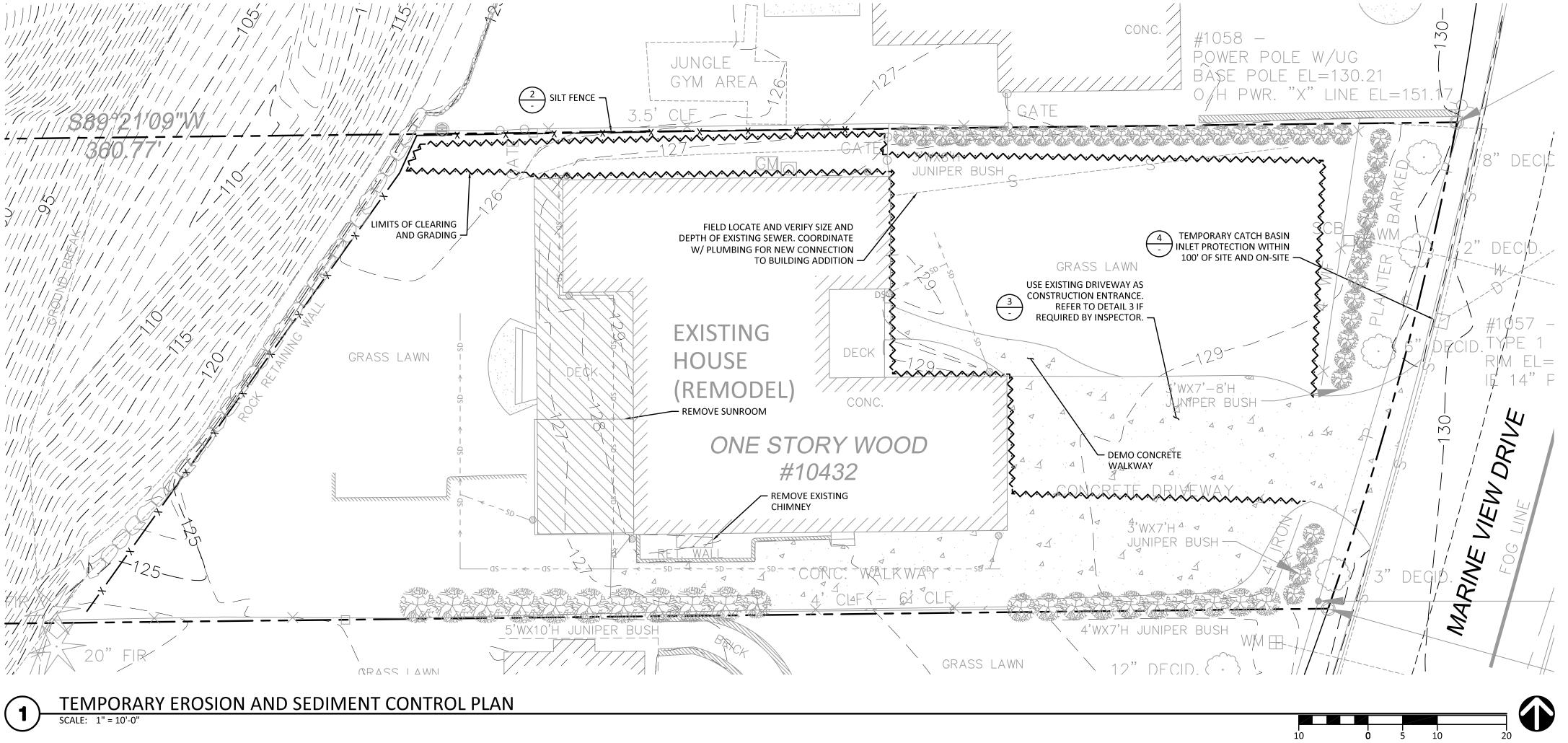
PHONE (425) 778-8500 FAX (425) 778-5536

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ATD

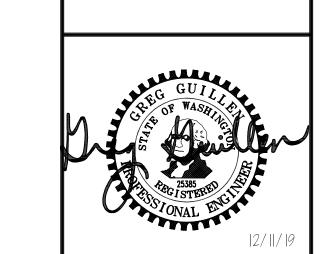
RESIL MARINE ZANDER 10432 MUKILTI

SHEET:



TEMPORARY EROSION AND SEDIMENT CONTROL NOTES

- BEFORE BEGINNING LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRADING, CLEARLY MARK ALL CLEARING LIMITS AND SENSITIVE AREAS AND THEIR BUFFERS.
- 3. SOILS MUST BE STABILIZED AT THE END OF THE SHIFT BEFORE A HOLIDAY OR WEEKEND IF
- 5. INSTALL CATCH BASIN INLET PROTECTION PER DETAIL 4 FOR ALL EXISTING INLETS ON-SITE AND
- 6. ADDITIONAL BMPS MAY BE REQUIRED DURING CONSTRUCTION.



250 4TH AVE. S., SUITE 200 EDMONDS, WASHINGTON 98020 PHONE (425) 778-8500 FAX (425) 778-5536

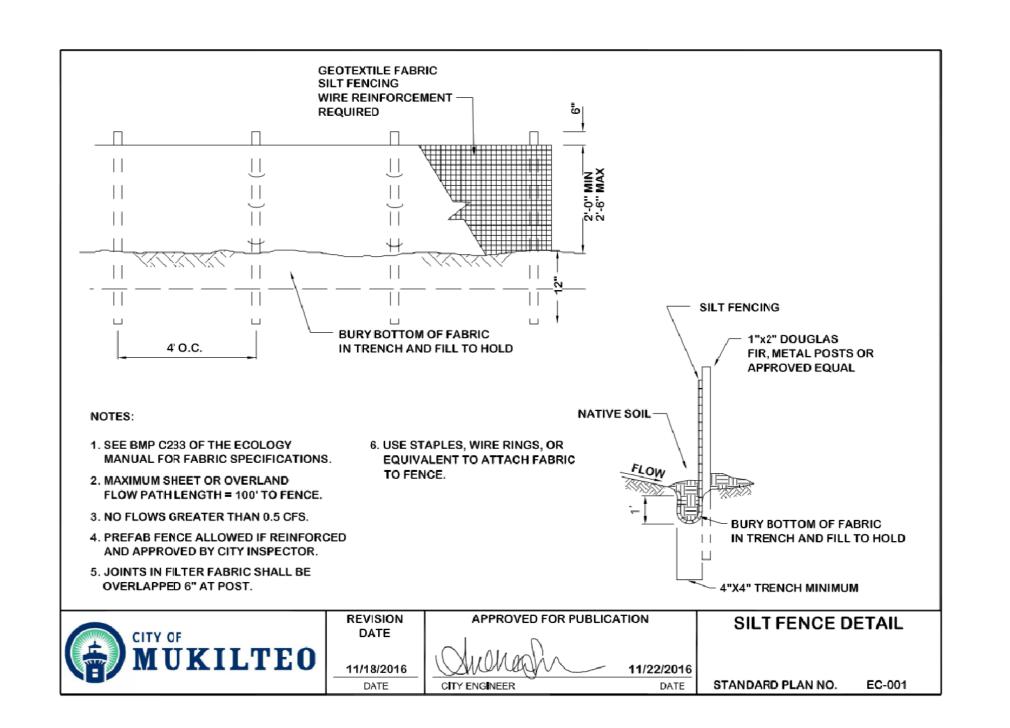
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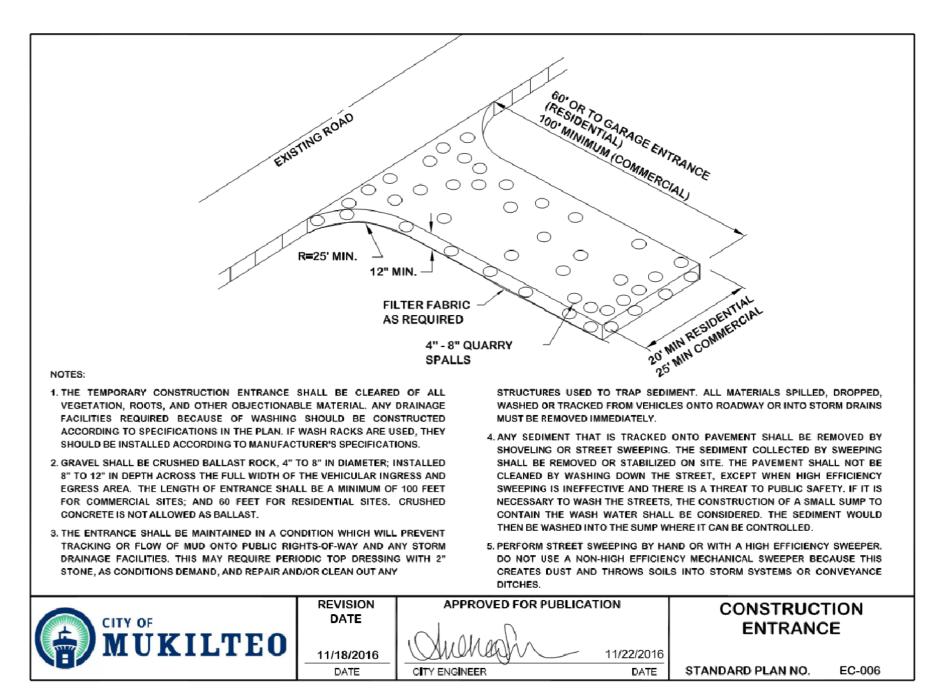
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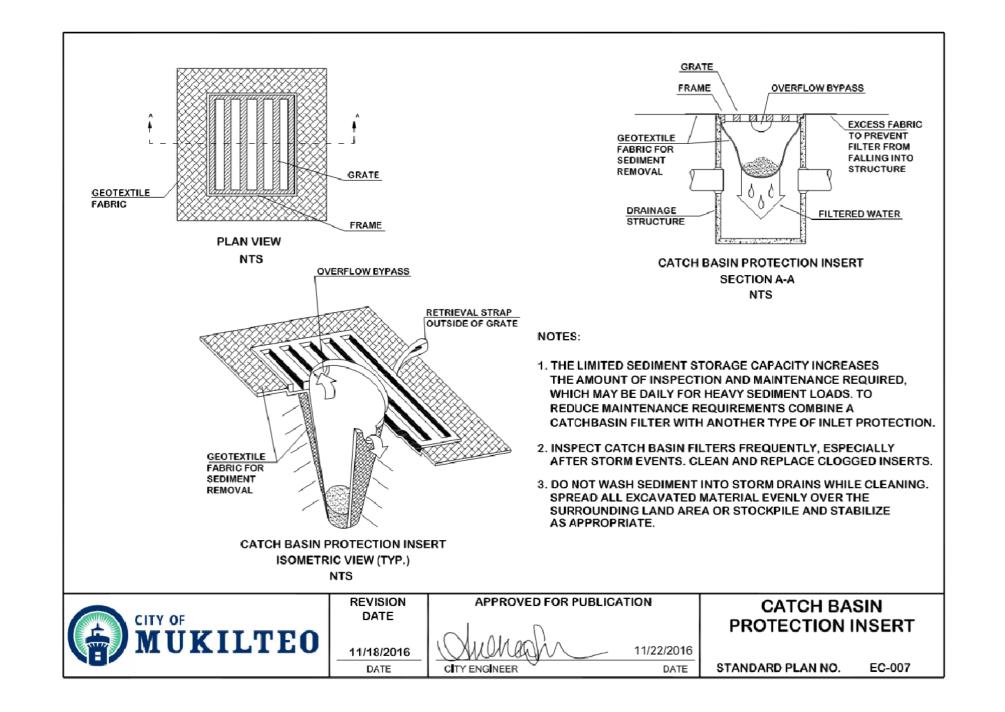
> DRIVE ROL

ZANDER RE 10432 MAF MUKILTEO,

SHEET:

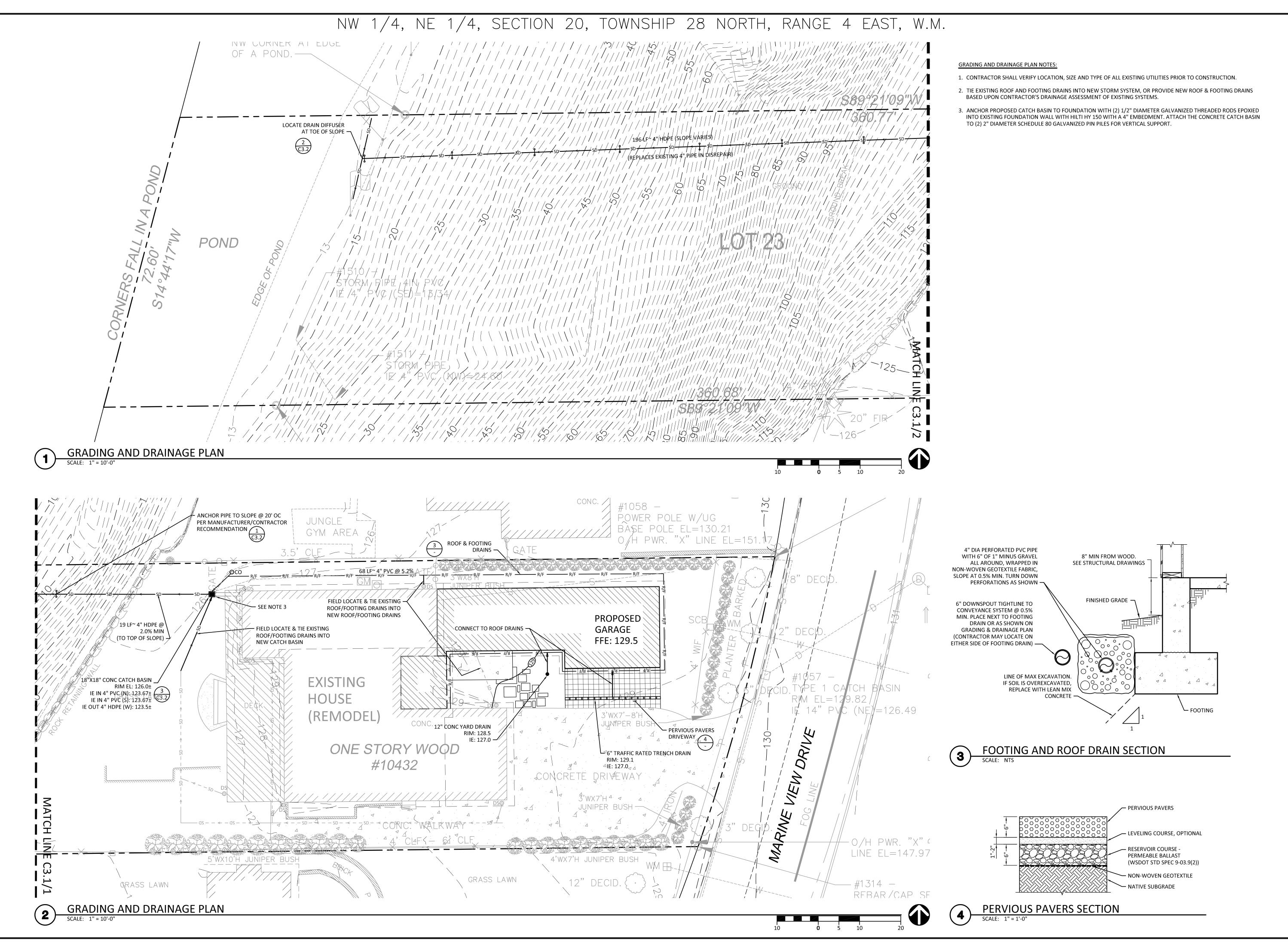






STABILIZED CONSTRUCTION ENTRANCE
SCALE: NTS

CATCH BASIN PROTECTION INSERT
SCALE: NTS



250 4TH AVE. S., SUITE 200 EDMONDS, WASHINGTON 98020 PHONE (425) 778-8500 FAX (425) 778-5536



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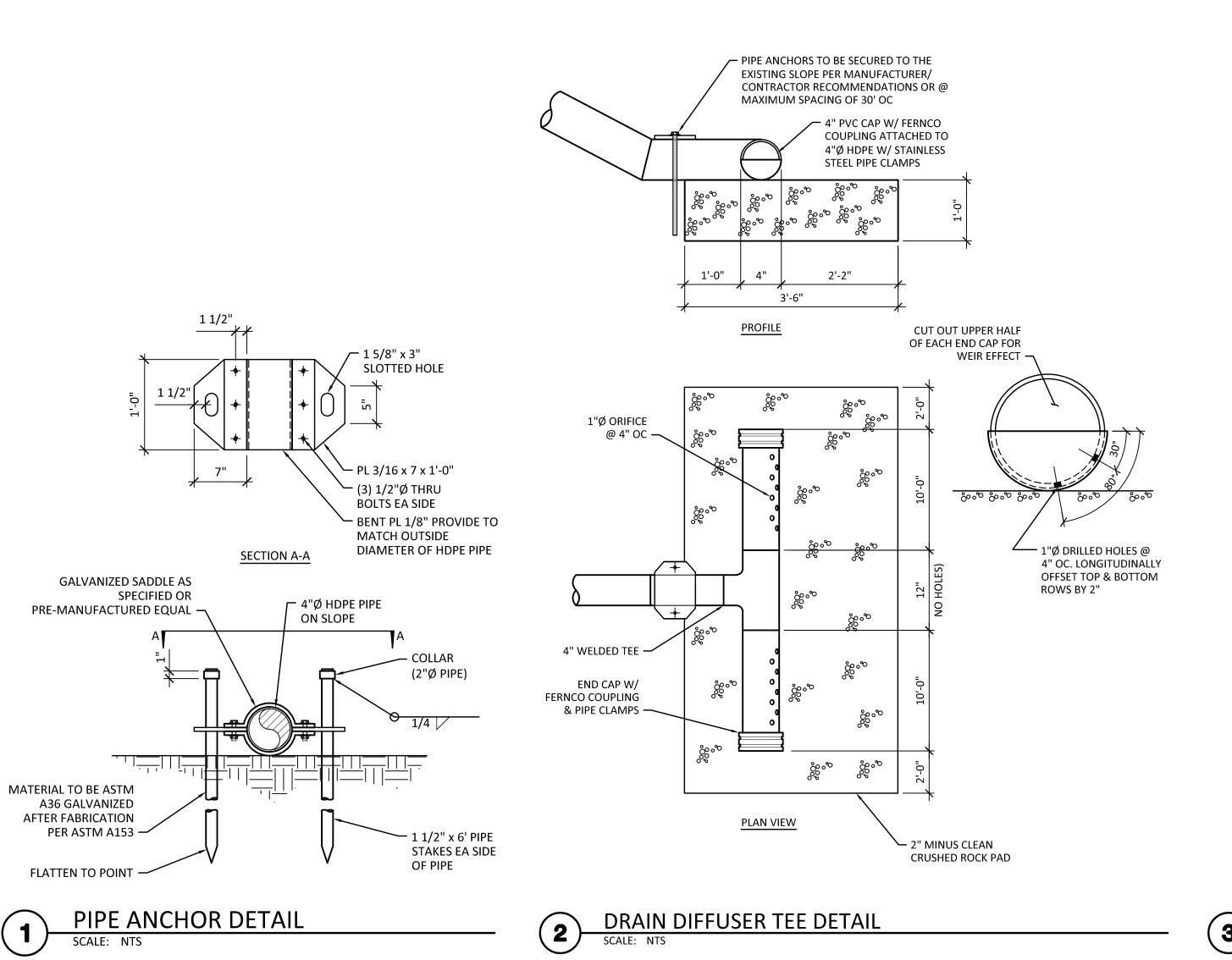
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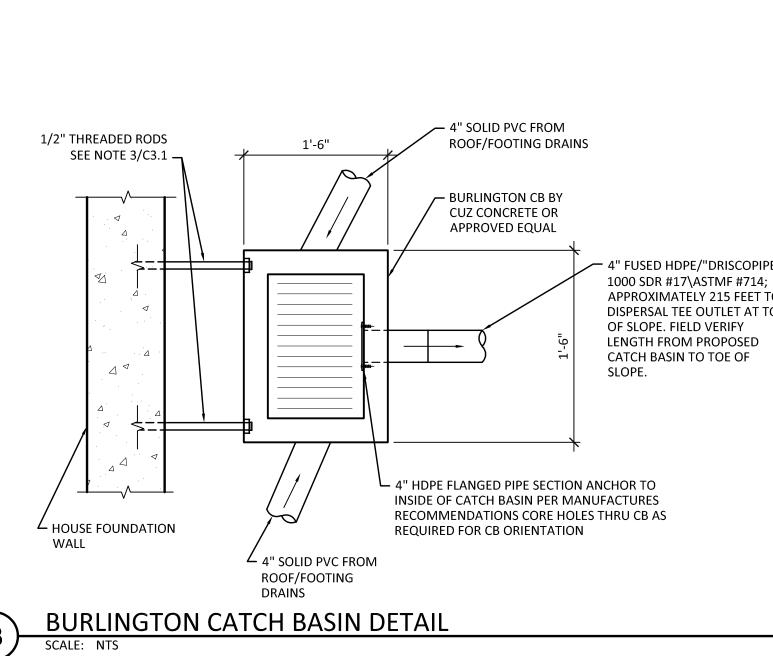
11/06/17

ZANDER RESIDENCE 10432 MARINE VIEW DRIVE MUKILTEO, WA 98275 GRADING AND DRAINAGE PLAN AND DETAILS

SHEET:

C3.





─ 4" FUSED HDPE/"DRISCOPIPE" 1000 SDR #17\ASTMF #714; APPROXIMATELY 215 FEET TO DISPERSAL TEE OUTLET AT TOE DESIGN: ATD JPU CHECK:

ZANDER RESIDENCE 10432 MARINE VIEW DRIVE MUKILTEO, WA 98275

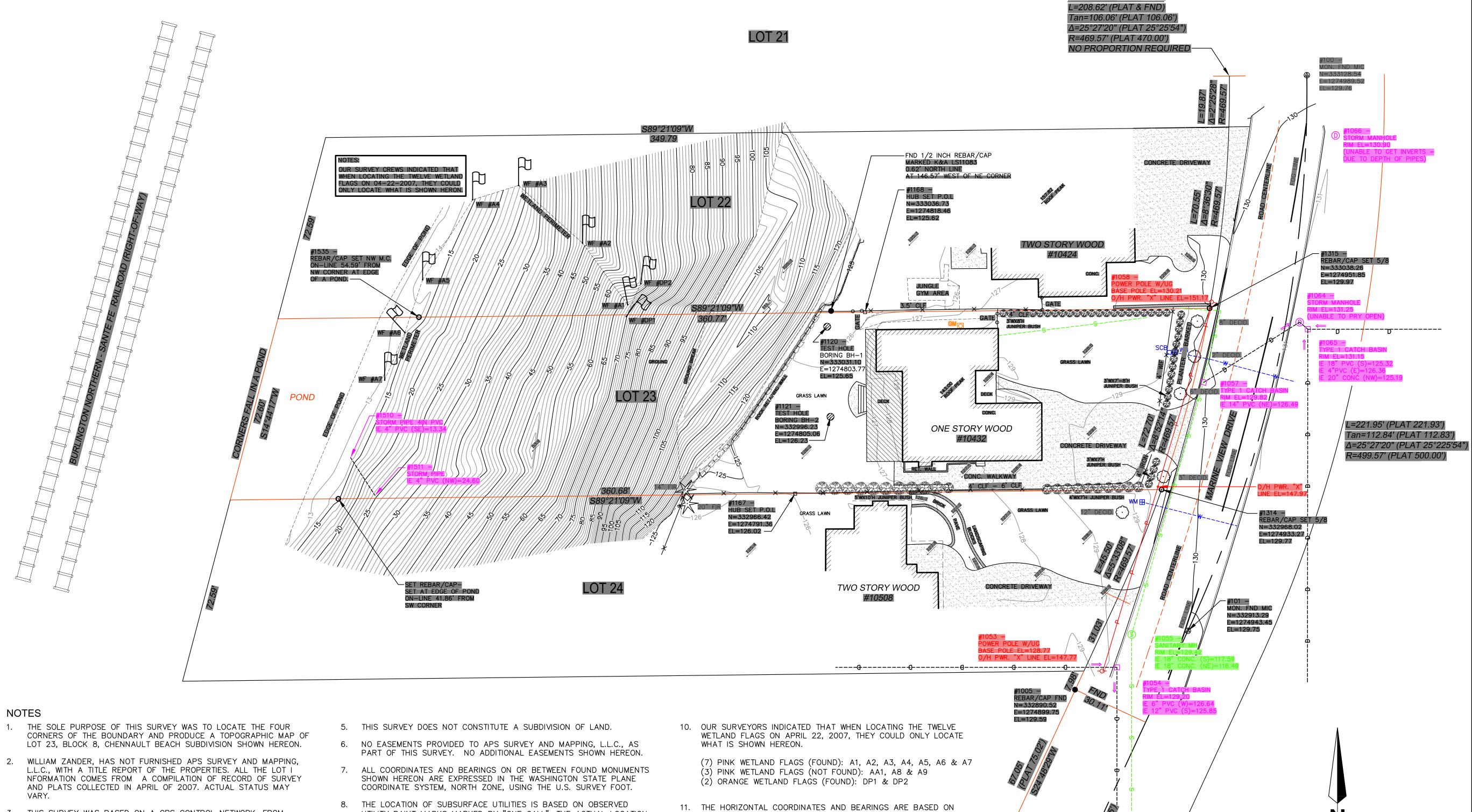
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11/06/17

ENGINÉERING

250 4TH AVE. S., SUITE 200 EDMONDS, WASHINGTON 98020 PHONE (425) 778-8500 FAX (425) 778-5536

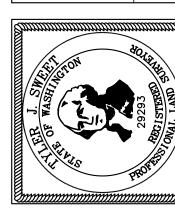
WITHIN THE NW 1/4 OF THE NE 1/4 OF SECTION 20, TOWNSHIP 28 NORTH, RANGE 04 EAST, W.M., IN SNOHOMISH COUNTY, WASHINGTON



- 3. THIS SURVEY WAS BASED ON A GPS CONTROL NETWORK. FROM CONTROL MONUMENTATIONS NEAR THE SITE. A COMBINATION OF FAST STATIC AND CONVENTIONAL METHODS WERE EMPLOYED TO CREATE THIS NETWORK. THIS SURVEY MEETS OR EXCEEDS THE STANDARDS SET BY WAC 332-130-090. ALL THE MONUMENTS WERE OCCUPIED IN APRIL 2007.
- 4. THE PRIMARY INSTRUMENT WAS CALIBRATED IN OCTOBER 2006 AT THE KING COUNTY BASELINE.
- UTILITY PAINT MARKS MARKED BY "ONE CALL". THE ACTUAL LOCATION MAY VARY. NATURAL GAS NOR ELECTRIC WAS NOT LOCATED BY THE LOCATORS. (CALL "ONE CALL LOCATORS" BEFORE YOU DIG)
- THE VERTICAL DATUM USED FOR THIS PROJECT IS EXPRESSED IN NAVD 88 DATUM. THE BASIS OF THESE ELEVATION IS PT 1444 (DESIGNATED AS SC14 WITH NAVD 88 ELEVATION OF 169.655 BY SNOHOMISH COUNTY) THE DIFFERENCE IN NAVD 88 AND NGVD 29 = -3.65' FOR COMPARING TO FEMA MAPPING.
- WASHINGTON STATE PLANE COORDINATES, NORTH ZONE, EXPRESSED IN US SURVEY FEET. THE BASIS OF THESE COORDINATES IS "CORS" STATIONS "SEAT" AND "SEAI", ALONG WITH PT 100 (SNOHOMISH COUNTY DESIGNATION 58/1031

N 333128.544' E 1274989.518' ELEVATION 129.75 NAVD 88 BRASS DISK IN CONCRETE, IN MONUMENT CASE

SCALE: 1"= 20'



OPOGRAPHIC

23,

Sheet Index

Temporary Erosion Control Plan Grading & Drainage Plan

Grading & Drainage Details

ARCHITECTURAL General Info

Energy Code Info

Existing Main Level Floor Plan

Roof Plan Exterior Elevations

Building Sections

A5.1

ARCHITECT AND/OR DESIGNER AND OWNER.

Project Director

EMAIL: JACOB. COLLABORATIVE @GMAIL. COM

STRUCTURAL ENGINEER

GEOTECHNICAL ENGINEER

19730 64TH AVENUE W, SUITE 200

BARGHAUSEN CONSULTING ENGINEERS, INC.

BUILDER

OWNER SHALL ACT AS GENERAL CONTRACTOR

General Notes

Site Plan and Code Analysis

Main Level Floor Plan

Upper Level Floor Plan

Exterior Elevations

ADU Building Sections

Wall Sections

General Notes

General Notes

Details

Details

Details

Foundation Plan

Roof Framing Plan

Upper Floor Framing Plan

Assemblies A6.2 Schedules

STRUCTURAL

WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS SHALL BE THE SAME AS FOR OTHER SIMILAR

8. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE MANUFACTURER'S LATEST RECOMMENDATIONS OR WRITTEN SPECIFICATIONS.

S1.2

. ALL WOOD IN CONTACT WITH CONCRETE OR EARTH OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED.

3. ALL DEBRIS SHALL BE REMOVED FROM THE PREMISES AND ALL AREAS TO BE LEFT IN CLEAN (BROOM) CONDITIONS AT ALL TIMES.

4. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND DETAILS. ANY DISCREPANCIES BETWEEN VERIFICATION AND THESE OUNTERS.

IN THE CASE OF ANY DISCREPANCY IN THE DESIGN DOCUMENTS, THE CONTRACTOR SHALL CONTACT THE ARCHITECT AND/OR DESIGNER IMMEDIATELY.

General Notes

N™S

99

Abbreviations

CENTERLINE

DIAMETER

EXISTING

DEMOLISH

ABOVE

ACCESS

ACOUSTICAL

AREA DRAIN

ADJUSTABLE

ALTERNATE

ALUMINUM

APPROX APPROXIMATE

ARCH ARCHITECTURAL

BOARD

BEAM

BLOCKING

BOTTOM C

BOTTOM

CABINET

CEMENT

CERAMIC

CEILING

CLOSET

COUNTER

COLUMN

CONCRETE

CONNECTION

CONTINUOUS

CORRIDOR

CENTER

DOUBLE

DETAIL

DEMOLITION

DOUGLAS FIR

DOOR OPENING

DISHWASHER

DRAWING

ELEVATION

EXHAUST FAN

ELECTRICAL

ELEVATOR

ENCLOSURE

EQUIPMENT

ESTIMATE

EXISTING

EXPOSED

EXTERIOR

FLOOR DRAIN

FINISH FLOOR

FINISH

FLASHING

FLUORESCENT

FINISH TO FINISH

FIRE EXTINGUISHER

FLOOR: FLOOR OPENING

FURNISHED BY OWNER .

FACE OF CONCRETE

FACE OF MASONRY

FACE OF STUD

FACE OF FINISH

FRAME

FURRING

FUTURE

GAUGE

GLASS

GRADE

FULL WIDTH

GALVANIZED

GLUE-LAMINATED

HOSE BIBB

HEADER

HARDWOOD

HARDWARE

HORIZONTAL

HIGH POINT

HOT WATER

INSULATION

INTERIOR

JUNCTION BOX

JOINT FILLER

HOUR

HEIGHT

INCH

JOINT

HOLLOW METAL

HAMMER TO FIT

HEATING/VENTILATING

AIR CONDITIONING

INSIDE DIAMETER

HEMLOCK

HOLLOW CORE

GYPSUM WALL BOARD

HIGH DENSITY OVERLAY

GENERAL CONTRACTOR

FIREPROOF

FIREPLACE

FOOT OR FEET

INSTALLED BY CONTRACTOR

EXPANDED/EXPANSION

EQUAL

DIAMETER

DIMENSION

DOWN

DOOR

EAST

EACH

CERAMIC TILE

CARPET/CARPETED

CLEAR

CAULKING

CATCH BASIN

CAST-IN-PLACE

CONTROL JOIN

CONCRETE MASONRY UNIT

ABOVE FINISHED FLOOR

AIR INFILTRATION BARRIER

NEW

(N)

(X)

ABY.

ACC

AD

ΔFF

ALUM

BD

BM

BO

BOT

CAB

CB

CEM

CER

CLG

CLKG

CLO

CLR

CMU

CNTR

CONC

CONN

CONT

CORR

CT

CPT

CTR

DBL

DET

DIA

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DN

DO

DR

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DWG

ELEY

ENCL

EQUIP

EXIST

EXPO

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EXP

EXT

F-F

FIN

FLASH

FLR

FLUOR

FOM

FOS

FRPF

FRPL

FUT

GΑ

GALV

GLAM

GR

GWB

HB

HDO

HDWD

HDWE

HEM

HORIZ

HTF

HM

GC

FOF

DEMO

COL

CIP

BLKG

ACOUS

PROPERTY LINE

POUND OR NUMBER

LAMINATE/LAMINATED

LAVATORY

LINEAR FEET

LOCATION

LOW POINT

MASONRY

MAXIMUM

MACHINE BOLT

MECHANICAL

MANUFACTURER

MISCELLANEOUS

NOT APPLICABLE

NOT IN CONTRACT

NOISE REDUCTION

OUTSIDE DIAMETER

NOT TO SCALE

MEMBRANE

METAL

MINIMUM

MIRROR

MOUNTED

MATERIAL

MULLION

NORTH

NUMBER

NOMINAL

OVERALL

OFFICE

ON CENTER

OVERHANG

PERFORATED

PERPENDICULAR

PLASTIC LAMINATE

OPENING

OPPOSITE

PLATE

PLASTER

PANEL

PRE-CAST

PAINTED

PARTITION

RETURN AIR

RUBBER BASE

ROOF DRAIN

REFERENCE

REINFORCED

REMAINDER

REQUIRED

RESILIENT

REGISTER

ROOM

SOUTH

REFRIGERATOR

REVISION + REVISED

SELF-ADHERED FLASHING

SELF-ADHERED MEMBRANE

ROUGH OPENING

SOLID CORE

SAFETY GLASS

SCHEDULE

SECTION

SHOWER

SHEATHING

SLAB ON GRADE

SPECIFICATION

SQUARE FEET

SQUARE INCHES

STAINLESS STEEL

SIMILIAR

STATION

STEEL

STORAGE

SYMBOL

TREAD

STRUCTURAL

SUSPENDED

TOWEL BAR

TELEPHONE

TERRAZZO

THICK

TOP OF

TYPICAL

VENEER

VERTICAL

WEST

WOOD WIDE FLANGE

VESTIBULE

VINYL TILE

WATER CLOSET

WIRED GLASS WATER HEATER

WATER LINE

WATERPROOF

WATER RESISTANT

WIRE SAFETY GLASS

WITHOUT

WINDOW

WEIGHT

TOP OF CHORD

TONGUE AND GROOVE

TEMPERED GLASS

TOP OF PAVEMENT

VAPOR BARRIER

TOP OF SLAB± STEEL

TOILET PAPER HOLDER

UNLESS NOTED OTHERWISE

VINYL COMPOSITION TILE

STANDARD

SHEET

SHT MTL SHEET METAL

SMOKE DETECTOR

RADIUS

POINT

PAIR

PLYWD PLYWOOD

MEDICINE CABINET

MEDIUM DENSITY OVERLAY

LIGHT

LAY

LOC

MAS

MAX

MB

MC

MECH

MEMB

MTL

MFR

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MTD

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Symbols Legend

SEPARATION REQUIREMENTS

LIFE SAFETY REQUIREMENTS

OR SECTIONS

GENERAL CODE APPLICATION

2: GARAGE CEILINGS WHERE DWELLING ABOVE REQUIRES 5/8" TYPE 'X' GYPSUM BOARD (SUPPORTING STRUCTURE REQUIRES 1/2" GYPSUM BOARD).

4: STAIRS: 36" MIN WIDTH, 1-3/4" MAX RISE, 10" MIN RUN, 6'-8" MIN HEAD ROOM, 34'-38" HANDRAIL ABOVE TREAD NOSING (GRASPING DIM = 1-1/4" MIN TO 2" MAX).

WALLS AND SOFFITS OF ENCLOSED SPACES UNDER STAIRS WILL BE PROTECTED ON THE ENCLOSED SIDE AS REQUIRED FOR ONE HOUR FIRE RESISTIVE CONSTRUCTION.

B. SHALL BE POWERED BY INTERCONNECTED BUILDING WIRING, AND HAVE A BATTERY BACK-UP (NEW CONSTRUCTION AND ADDITIONS).

C. MAY BE BATTERY-POWERED IN ALTERATIONS (EXCEPT WHEN WIRING CAN BE INSTALLED WITHOUT REMOVAL OF INTERIOR FINISHES).

A. SAFETY GLAZING SHALL BE PROVIDED FOR GLASS WINDOWS AND DOORS INCLUDING SHOWER ENCLOSURES SUBJECT TO HUMAN IMPACT.

B. WINDOWS LOCATED WITHIN 36" OF THE INSIDE RIM OF TUB-SHOWER (FIXTURE) AND NOT HIGHER THAN 60" FROM TUB-SHOWER DRAIN AND ANY GLAZING MOUNTED

A. I SQ FT OF VENTING PER 150 SF OF AREA SHALL BE VENTED (REDUCED TO 1/300 IF VENTILATORS ARE PROVIDED IN UPPER PORTION OF VENTED AREA).

5: GUARDRAIL: SHALL BE PROVIDED FOR WALKING SURFACES 30' ABOVE ADJACENT GRADE OR FLOOR BELOW, 36' REQUIRED MINIMUM HEIGHT, 4' MAX CLEAR SPACE BETWEEN INTERMEDIATE RAILS

A. 5.1 6Q FT. MIN NET CLEAR OPEN AREA (WINDOWS MAX SILL HEIGHT 44" ABOVE OR BELOW GRADE MAY HAVE 5,0 6Q FT MIN NET CLEAR OPEN AREA).

D. REQUIRED IN 6LEEPING ROOMS, OUTSIDE SLEEPING AREAS, AND OTHER FLOORS (INCLUDING BASEMENTS). ANY ALARM MUST BE CLEARLY AUDIBLE IN ALL BEDROOMS.

3: 1-3/8" THICK (MIN) 60LID CORE OR 20 MINUTE DOOR IS REQUIRED BETWEEN GARAGE AND DWELLING (020 U-VALUE DOOR REQUIRED)

E. BATTERY-POWERED OKAY IN EXISTING PARTS OF BUILDING NOT BEING REMODELED.

1: EMERGENCY ESCAPE AND RESCUE: ONE WINDOW (OR DOOR) IN BASEMENT AND EACH BEDROOM MUST MEET THESE REQUIREMENTS:

C. WINDOWS WITHIN 10' OF GRADE (OR ACCESSIBLE DECK) CAPABLE OF BEING LOCKED.

B. KITCHENS, BATHROOMS AND LAUNDRY ROOMS SHALL BE VENTED MECHANICALLY (PER SMC).

B. BATHROOM, BASEMENT, CORRIDOR AND LAUNDRY ROOM CEILING HEIGHT SHALL BE 1'-0" MIN.

II: FIRE AND DRAFTSTOPS: DRAFT STOPS SHALL BE INSTALLED IN FLOOR-CEILING ASSEMBLIES SO THAT CONCEALED SPACES DOES NOT EXCEED 1,000 SF

NTS

04242 SM

C. SLOPED CEILING (5'-0' MIN) SHALL MEET MIN HEIGHT OVER 1/2 AREA OF SPACE.

18: WEATHER PROTECTION: FLASHINGS FOR EXTERIOR OPENINGS, ROOFS, DECKS AND PARAPET WALLS SHALL CONFORM WITH IRC.

10: WINDOW AREA FOR NATURAL LIGHT SHALL BE 8% MIN OF FLOOR AREA (EXCEPTION FOR SUFFICIENTLY LIGHTED ROOMS).

B. I' MIN AIR SPACE SHALL BE PROVIDED ABOVE ROOF INSULATION.

A. HABITABLE ROOMS SHALL HAVE AN OUTSIDE AIR SUPPLY

A. HABITABLE SPACE CEILING HEIGHT SHALL BE 1'-0' MIN.

A. 1/2" MIN THROW ON DEAD BOLD OR DEAD LATCH FOR DOORS.

B. VISITOR OBSERVATION PORT FOR EXTERIOR DOORS.

DIRECTLY ON THE RIM OF THE FIXTURE.

VENTILATION REQUIREMENTS (WAC 51-13)

MECHANICAL VENTILATION (OUTSIDE AIR SUPPLY): SHALL CONFORM TO WAC 51-13

D. SLEEPING ROOM SHALL BE 10 SF MIN.

MISCELLANEOUS REQUIREMENTS

16: CRAWL SPACE ACCESS: OPENING SHALL BE 24"x18" MIN.

VICINITY MAP

E. A HABITABLE ROOM SHALL BE 1' WIDE MIN

15: ATTIC ACCESS: HEADROOM SHALL BE 30" MIN AT ACCESS. OPENING SHALL BE 22"x30" MIN.

E. WINDOW WELLS SHALL BE 36'x36' MIN <u>AND</u> PERMIT FULL OPENING OF WINDOW (LADDER ESCAPE OKAY)

D. ALL LOCKS MUST BE ABLE TO BE OPENED WITHOUT USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

1: 1/2' REGULAR GYP6UM BOARD 16 REQUIRED AT WALL6 BETWEEN GARAGE AND DWELLING

6: SMOKE DETECTOR: A, SHALL BE PROVIDED WHEN ONE OR MORE BEDROOMS ARE ADDED.

B. 20' MIN <u>CLEAR</u> OPEN WIDTH

C. 24" MIN <u>CLEAR</u> OPEN HEIGHT

D. 44" MAX SILL HEIGHT

NATURAL LIGHT REQUIREMENTS

8: SECURITY REQUIREMENTS:

10: SAFETY GLAZING:

II: ROOF VENTILATION:

9: SKYLIGHTS SHALL CONFORM WITH IRC.

14: ROOM DIMENSIONS REQUIREMENTS:

1: BUILDING ELEVATIONS

2: INTERIOR ELEVATIONS

Materials Legenc

WOOD FRAMING

ZONED:

CONCRETE

SEE C.S. VENTILATION

SHEET A0.1

Paine Field-Snoho Co Airport

AREA MAP

ALL WORK SHALL BE IN CONFORMANCE WITH THE INTERNATIONAL BUILDING CODE, LATEST EDITION, MUKILTEO MUNICIPAL CODE, WASHINGTON STATE REGULATIONS FOR BARRIER FREE DESIGN, WASHINGTON STATE ENERGY CODE AND ALL OTHER APPLICABLE CODES AND ORDINANCES.

SEE SHEET A0.1 FOR

ENERGY CODE

SUMMARY

6. THERE SHALL BE NO DEVIATION WHATSOEVER FROM THE CONTRACT DOCUMENTS WITHOUT THE ARCHITECT'S AND/OR DESIGNER'S WRITTEN APPROVAL THEREOF, CHANGE ORDER OR CHANGE DIRECTIVE.

9. ALL OPENINGS SHALL BE SEALED, CAULKED, GASKETED OR WEATHER-STRIPPED.

IØ. ALL INFORMATION IS BASED UPON AS-BUILT AND OWNER PROVIDED INFORMATION.

eneral Phase Drawn By

PPR - 10.22.19 7/24/2013

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Rev. Date By

3 OF 25 THIS SHEET FULL

SIZE @ 24" x 36'

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MAIN DWELLING UNIT - Energy Code Summary: Table R406.2 Summary Option Description 1a Efficient Building Envelope 1a **Energy Credits** 0.5 Per 2015 WSEC R406.2: 1.5 credits needed (Dwelling area < 1500 sf) 1b Efficient Building Envelope 1b 1.0 Per WSEC Table R406.2 Efficient Building Envelope 1c 2.0 1d Efficient Building Envelope 1d 0.5 HIGH EFFICIENCY HVAC DISTRIBUTION SYSTEM: 2a Air Leakage Control and Efficient Ventilation 2a 0.5 All heating and cooling system components installed inside the conditioned space. Air Leakage Control and Efficient Ventilation 2b 1.0 This includes all equipment and distribution system components such as forced air 2c Air Leakage Control and Efficient Ventilation 2c 1.5 ducts, hydronic piping, hydronic floor heating loop, convectors and radiators. All High Efficiency HVAC 3a 1.0 1.0 combustion equipment shall be direct vent or sealed combustion. 3b High Efficiency HVAC 3b For forced air ducts: A maximum of 10 linear feet of return ducts and 5 linear feet of 3c High Efficiency HVAC 3c 3d High Efficiency HVAC 3d 4 High Efficiency HVAC Distribution System 5a Efficient Water Heating 5a supply ducts may be located outside the conditioned space. All metallic ducts located outside the conditioned space must have both transverse and longitudinal joints sealed with mastic. If flex ducts are used, they cannot contain splices. Flex duct connections must be made with nylon straps and installed using a plastic strapping tensioning tool. Ducts located outside the conditioned space must be insulated to a minimum of R-8. 5b Efficient Water Heating 5b 5c Efficient Water Heating 5c 1.5 EFFICIENT WATER HEATING 5a: 5d Efficient Water Heating 5d 0.5 All showerhead and kitchen sink faucets installed in the house shall be rated at 1.75 6 Renewable Electric Energy 0.5 GPM or less. All other lavatory faucets shall be rated at 1.0 GPM or less.^c To qualify to claim this credit, the building permit drawings shall specify the option **Total Credits** being selected and shall specify the maximum flow rates for all showerheads, kitchen *Please refer to Table R406.2 for complete option descriptions sink faucets, and other lavatory faucets.

ACCESSORY DWELLING UNIT - Ventilation Code Summary:

Exhaust & Mechanical Ventilation 2015 IRC Section M1507 **Clothes Dryer Exhaust**

Exhaust ducts shall terminate outside the building, equipped with back-draft dampers (no screens).

Exhaust Duct Openings M1506.2

Air exhaust openings shall terminate not less than 3' from property lines; 3' from operable and nonoperable opeings into the building and 10' from mech. Air intakes, except where opening is located 3' above air intake.

Whole House Ventilation M1507.3

Whole house ventilation provided using exhaust fans, M1507.3.4 Fans shall have a flow rating per table M1507.3.3(1). Outdoor air shall be supplied to each habitable space through outdoor air inlets or operable windows. Fan shall have a sone rating of 1.0 or less.

Fan Control & Operation, M1507.3.2.

Intermittent whole-house ventilation systems shall be controlled by a programmable timer and shall operate at least one hour out of every four, and shall have a manual control as well. Intermittent fans shall operate at the flow rate in table M1507.3.3 (1) multiplied by the factor in table M1507.3.3 (2). A label shall be affixed to the controls that reads " Whole House Ventilation (see operating instructions)."

Continuous V	Vhole-House N		1507.3.3(1) tilation System	Airflow Rate R	eauiremen		
Continuous	viiote House i		BER OF BEDR		equiremen		
Dwelling Unit Floor Area (square feet)	0 1	2 3	4 5	6 7	>7		
	Airflow in CFM						
≤ 1,500	30	45	60	75	90		
1,501 3,000	45	60	75	90	105		
3,001 4,500	60	75	90	105	120		
4,501 6,000	75	90	105	120	135		
6,001 7,500	90	105	120	135	150		
> 7,500	105	120	135	150	165		

Ventilation Openings, M1507.3.4.4- provided via operable windows

Operable windows to have openable area 4 in sq. net area for each 10 cfm of outdoor air req'd by Table M1507.3.3(1)

CFM requirement= 30 cfm

12 in sq. each habitable space window openable area required= Where outdoor air supplies are separated from exhaust points by doors, provisions shall be made to ensure air flow by installation of distribution ducts, undercutting doors, installation of grilles, transoms, or similar means. Doors shall be undercut to a minimum of 1/2 inch above the surface of the finish floor covering.

Ventilation Openings, M1507.3.4.4

Ventilation openings shall be screened or otherwise protected, and located: 1. No closer than 10' from appliance vent, unless such vent is 3' above the

2. No closer than 10' frome a plumbing drainage vent unless such vent is 3' or more above the outdoor air inlet.

Local Exhaust M1507.4

The minimum source specific ventilation effective exhaust capacity shall not be less than specified in Table M1507.4: MIN. 50 CFM for bathrooms, and MIN. 100 CFM for kitchen hood. Exhaust fans shall be controlled by manual switches, dehumidistats, timers, or other approved means with controls readily accessible.

TABLE M1507.4 MINIMUM REQUIRED LOCAL EXHAUST RATES

AREA TO BE EXHAUSTED	EXHAUST RATES
Kitchens	100 cfm intermittent or 25 cfm continuous
Bathrooms-Toilet Rooms, laundry rooms, indoor swim- ming pools, spas	Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous

TABLE M1507.3.3(2) INTERMITTENT WHOLE-HOUSE MECHANICAL VENTILATION RATE FACTORS ^{a, b}						
RUN-TIME PERCENTAGE IN EACH 4-HOUR SEGMENT	25%	33%	50%	66%	75%	100%
Factor ^a	4	<u>3</u>	2	<u>1.5</u>	1.3	1.0
 a. For ventilation system run time values between tho b. Extrapolation beyond the table is prohibited. 	se given, the facto	ors are permitted to	o be determined b	y interpolation.		

MAIN DWELLING UNIT - Ventilation Code Summary:

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TABLE M1507.3.3(1) Continuous Whole-House Mechanical Ventilation System Airflow Rate Requirements NUMBER OF BEDROOMS 2 3 4 5 0 1 Unit Floor Area (square Airflow in CFM 3,001 4,500 4,501 6,000 For SI: 1 square foot $= 0.0929 \text{ m}^2$, 1 cubic foot per minute $= 0.0004719 \text{ m}^3$

Ventilation Openings, M1507.3.4.4- provided via operable windows

Operable windows to have openable area 4 in sq. net area for each 10 cfm of outdoor air req'd by Table M1507.3.3(1)

CFM requirement=

openable area required= 36 in sq. each habitable space window Where outdoor air supplies are separated from exhaust points by doors, provisions shall be made to ensure air flow by installation of distribution ducts, undercutting doors, installation of grilles, transoms, or similar means. Doors shall be undercut to a minimum of 1/2 inch above the surface of the finish floor covering.

90 cfm

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Bathrooms-Toilet Rooms, laundry rooms, indoor swim- ming pools, spas	Mechanical exhaust capacity of 50 cfm intermittent or 20 cfm continuous			

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Factor ^a	4	<u>3</u>	2	<u>1.5</u>	1.3	1.0
For ventilation system run time values between the Extrapolation beyond the table is prohibited.	se given, the factor	ors are permitted to	o be determined b	y interpolation.		

Info Code Energy

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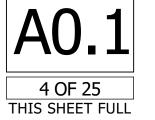
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Rev. Date By

7/24/2013



SIZE @ 24" x 36"

SCOPE OF WORK

ALTERATION OF (E) MAIN FLOOR ADDTION OF PARTIAL SECOND STORY & (2) CAR ATTACHED GARAGE / STORAGE, & ATTACHED 2-LEVEL ADU. DEMOLITION OF (E) SUNROOM

JURISDICTION

MUKILTEO, SNOHOMISH COUNTY, WASHINGTON

SITE ADDRESS

10432 MARINE VIEW DRIVE MUKILTEO, WA 98275

PARCEL MAP NUMBER

*0*04086*0*08023*0*0

LEGAL DESCRIPTION

LOT 23, BLOCK 8, CHENNAULT BEACH SUBDIVISION NE SEC 20, TWN 28 N, RGE 4 E, WM

LOT SIZE AND ZONING

25,300 SQ FT

ZONED R12.5 (S)

OWNER

BILL ZANDER 5633 198TH DR. SE SNOHOMISH, WA 98290 CONTACT: BILL ZANDER

SURVEYOR

BELLEVUE, WA 98005 TEL 425.746.3200

TEL: 2*0*6.679.8457

TYLER SWEET APS SURVEY & MAPPING 13221 SE 26TH STREET, SUITE A

Main Dwelling Unit Building Square Footage

Area/floor	Existing	New Area	Removed Area	Total (prev 3 areas)
(E) Garage (Unconditioned)	565	0	31	534
Shop / Storage / Garage (Unconditioned)	0	737	0	737
1st Flr Level Dwelling	1739	116	0	1855
2nd Flr Level Dwelling	0	1098	0	1098
Totals	2304	1951	31	4224
Total - Heated Space only, all levels	1739	1214	0	4224

Accessory Dwelling Unit Building Square Footage

Area/floor	Existing	New Area	Removed Area	Total (prev 3 areas)
1st Flr Level Dwelling	0	39	0	39
2nd Flr Level Dwelling	0	1098	0	1098
Totals	0	1137	0	1137
Total - Heated Space only, all levels	0	1137	0	1137

PROPOSED LOT COVERAGE:

25,300 sf Lot Size 8,855 Allowed Coverage =

SF include Footprints including Eaves over 3'		
	Existing to	New
Items	Remain	
(E) House (only eaves over 3' count for coverage)	2304	0
(N) Addition		1067
Totals	2304	1067

Total (E) Lot Coverage Existing Coverage as %

3,371 sf Proposed Coverage, (E) + (N)= 13% Proposed Coverage as % Allowable Lot Coverage Remaining

IMPERVIOUS AREA:

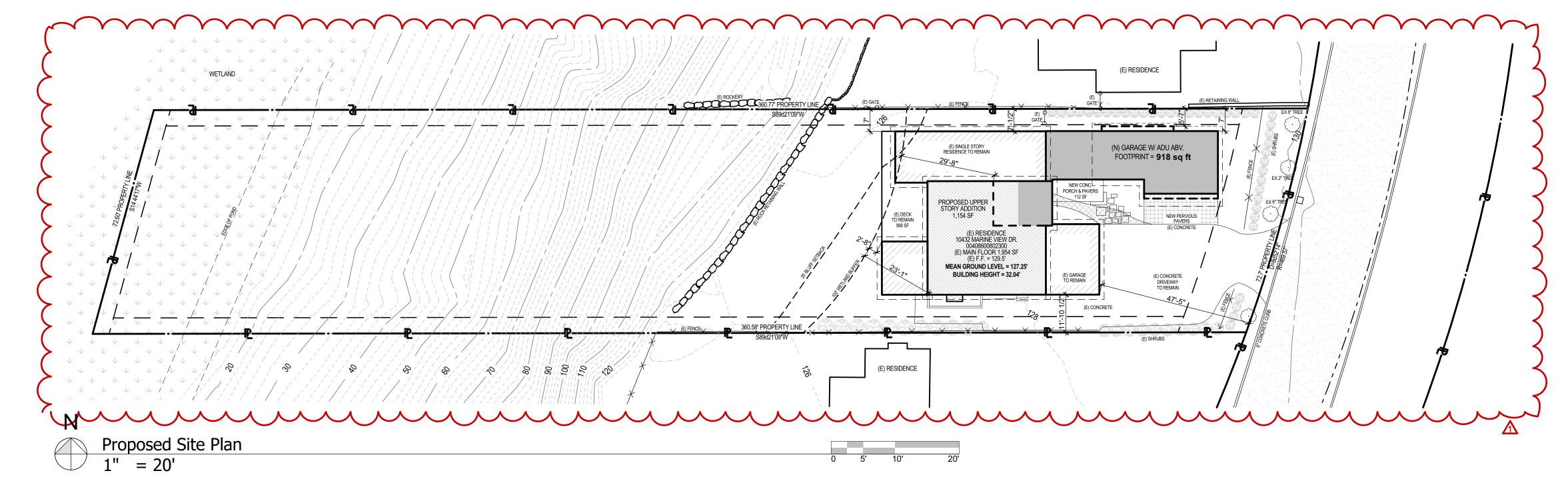
	Existing To	NEW
Items	Remain	Impervious
(E) Paving	1847	
(E) House w/ overhangs	3080	
Addition w/ Overhangs		121
New Paving / Entry porch		11
Totals	4927	132

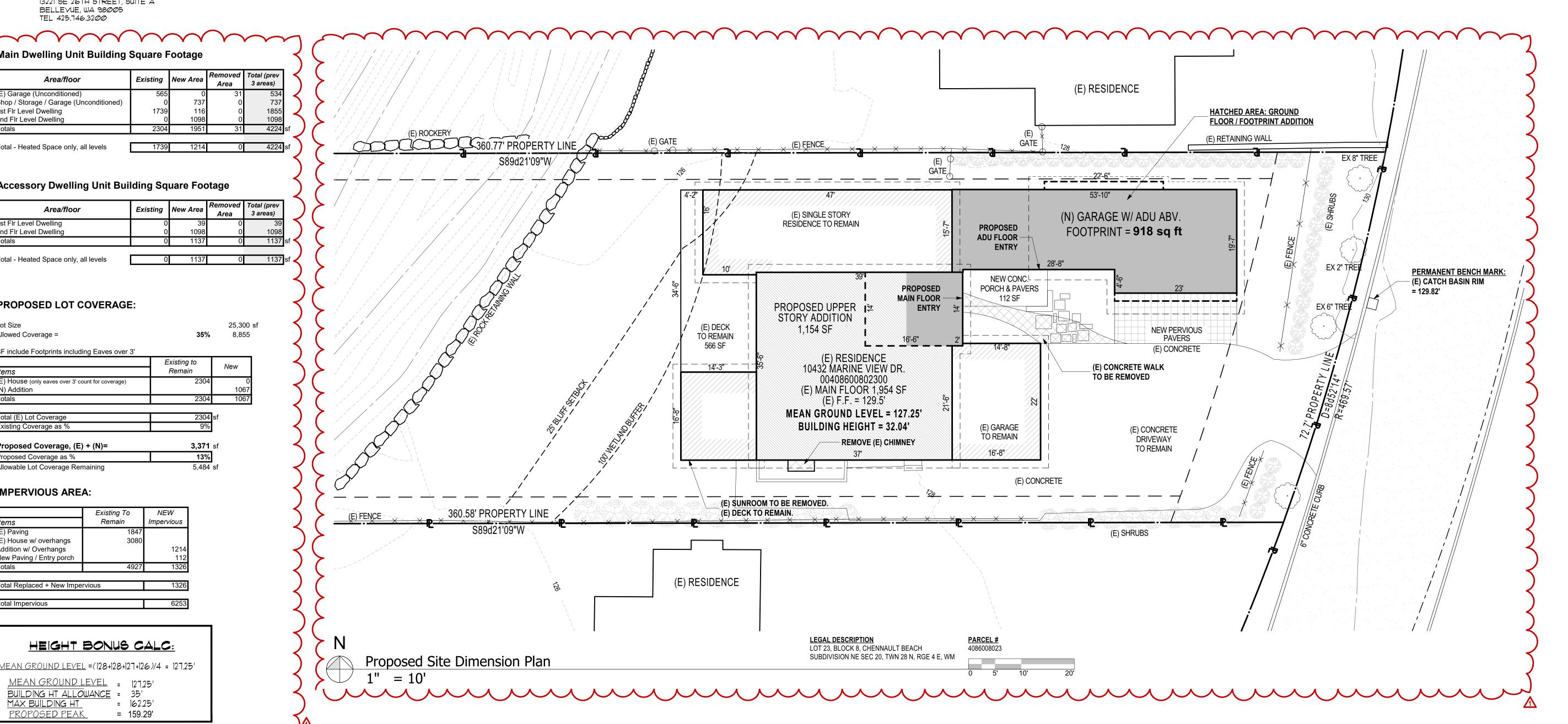
Total Replaced + New Impervious Total Impervious

HEIGHT BONUS CALC:

<u> 1EAN GROUND LEVEL</u> =(128+128+127+126)/4 = 127.25

BUILDING HT ALLOWANCE = 35' MAX BUILDING HT = 162.25' PROPOSED PEAK = 159.29'





DEC

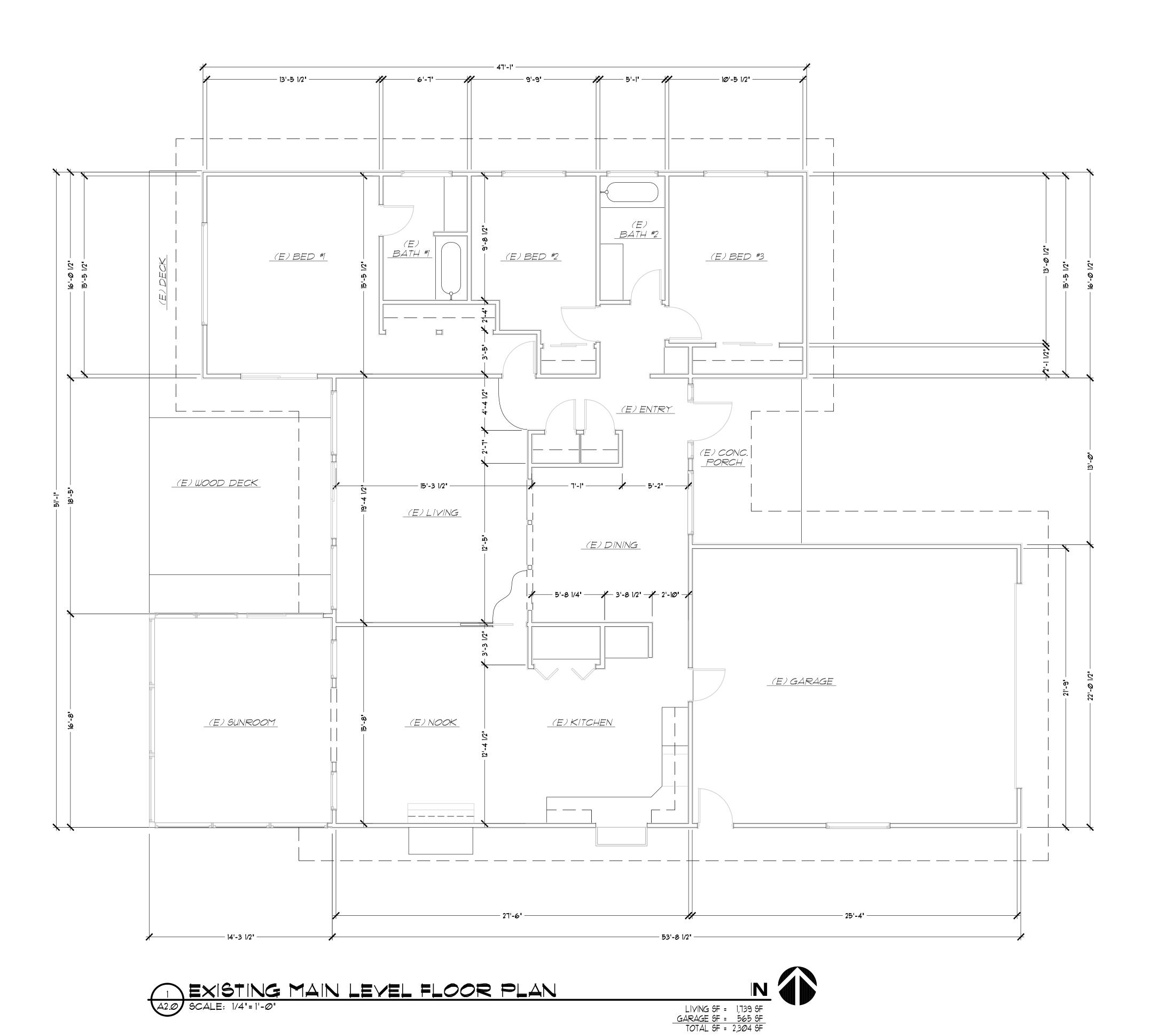
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> Analysis and Plan

Phase Drawn By PPR - 10.22.19 7/24/2013

Rev. Date By





Zander Addition

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A 17-19 Zander Addition Permit PPR

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7/24/2013

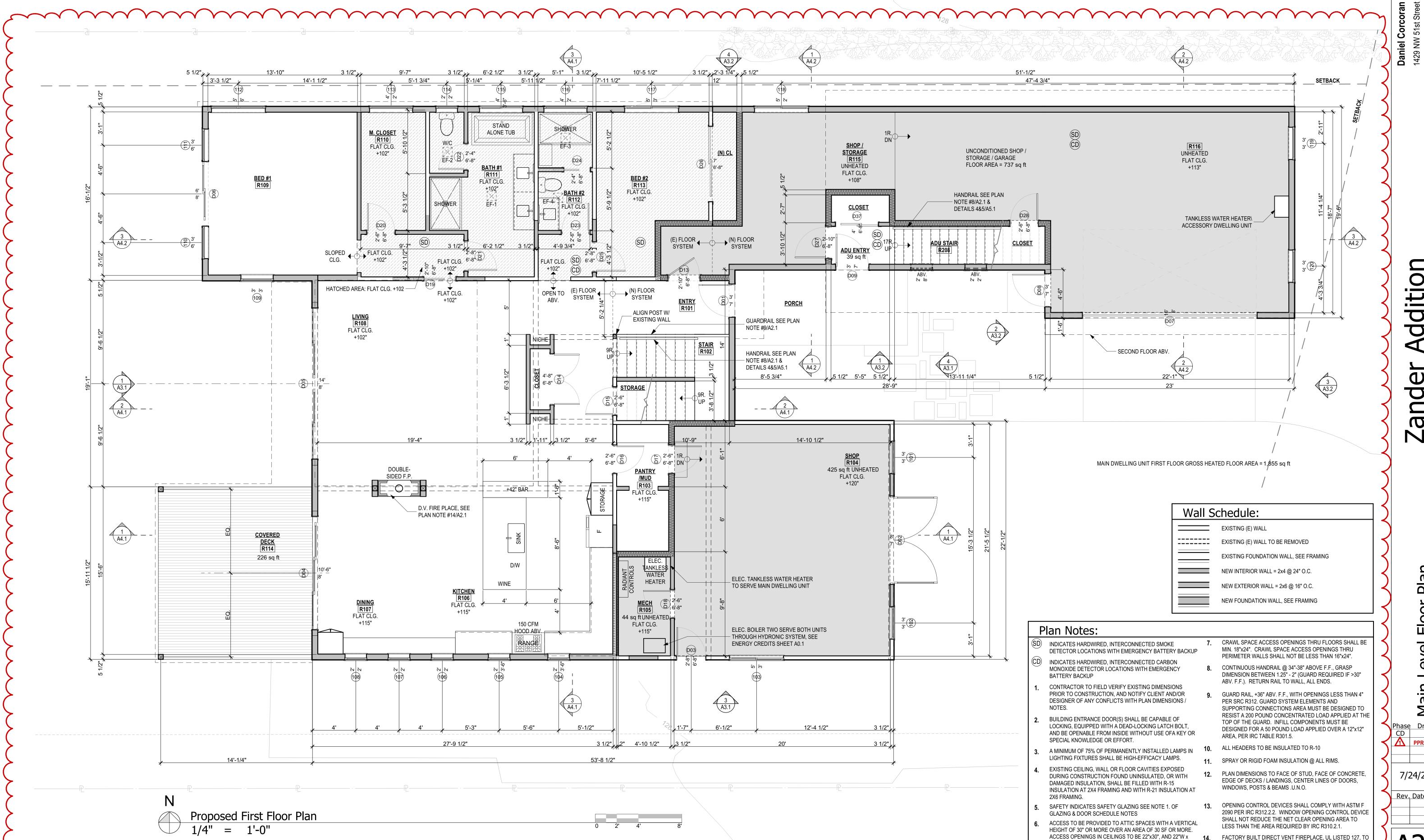
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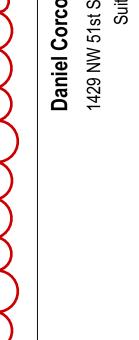
A2.0

7 OF 25 THIS SHEET FULL SIZE @ 24" x 36"

30"H IF LOCATED IN WALL (SEE IRC R807).

THE UL LISTING.





Floor

<u>Phase</u> Drawn By

PPR - 10.22.19 7/24/2013

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SHALL NOT REDUCE THE NET CLEAR OPENING AREA TO

FACTORY BUILT DIRECT VENT FIREPLACE, UL LISTED 127, TO

BE LABELED, INSTALLED AND VENTED PER CONDITIONS OF

LESS THAN THE AREA REQUIRED BY IRC R310.2.1.

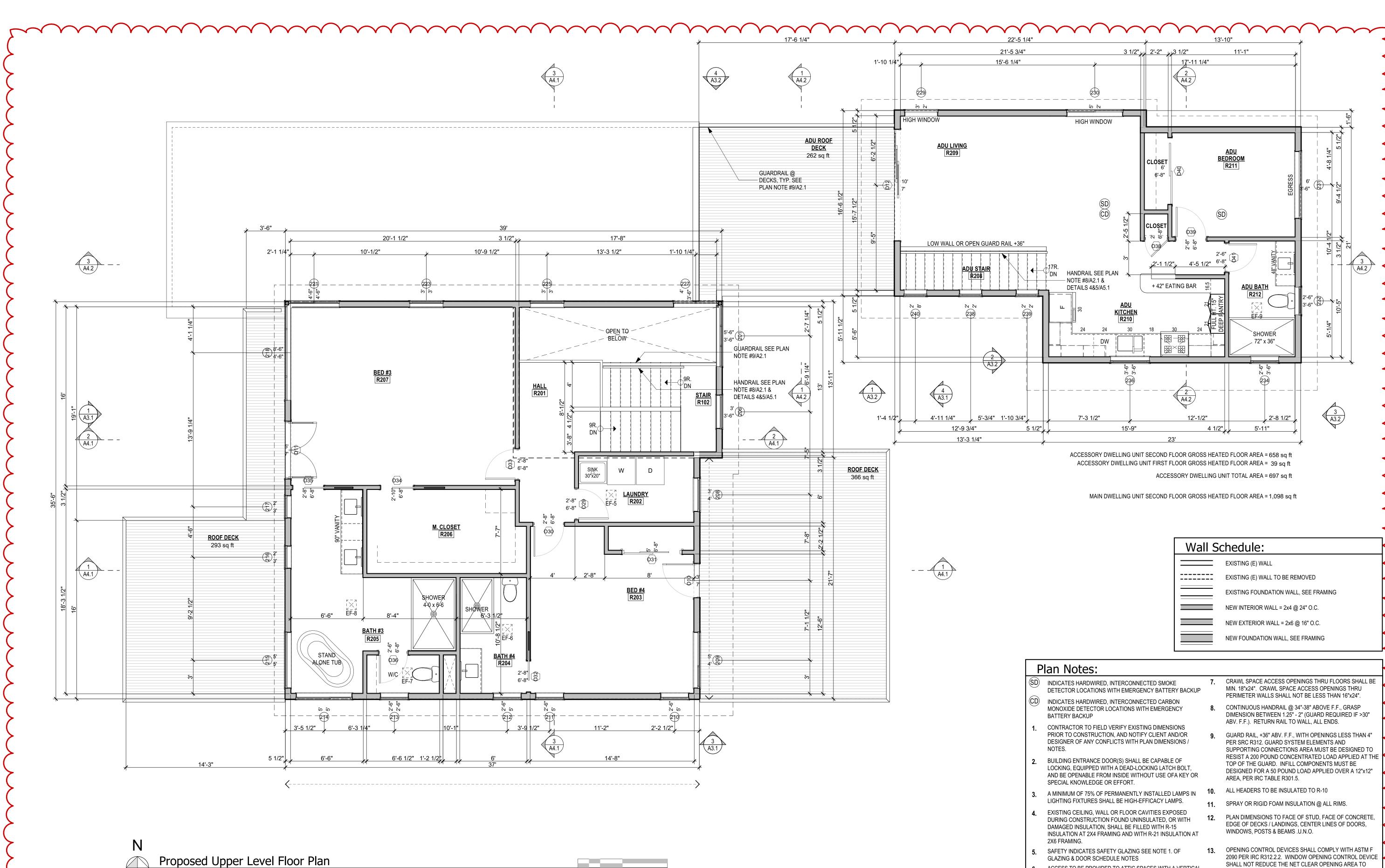
THE UL LISTING.

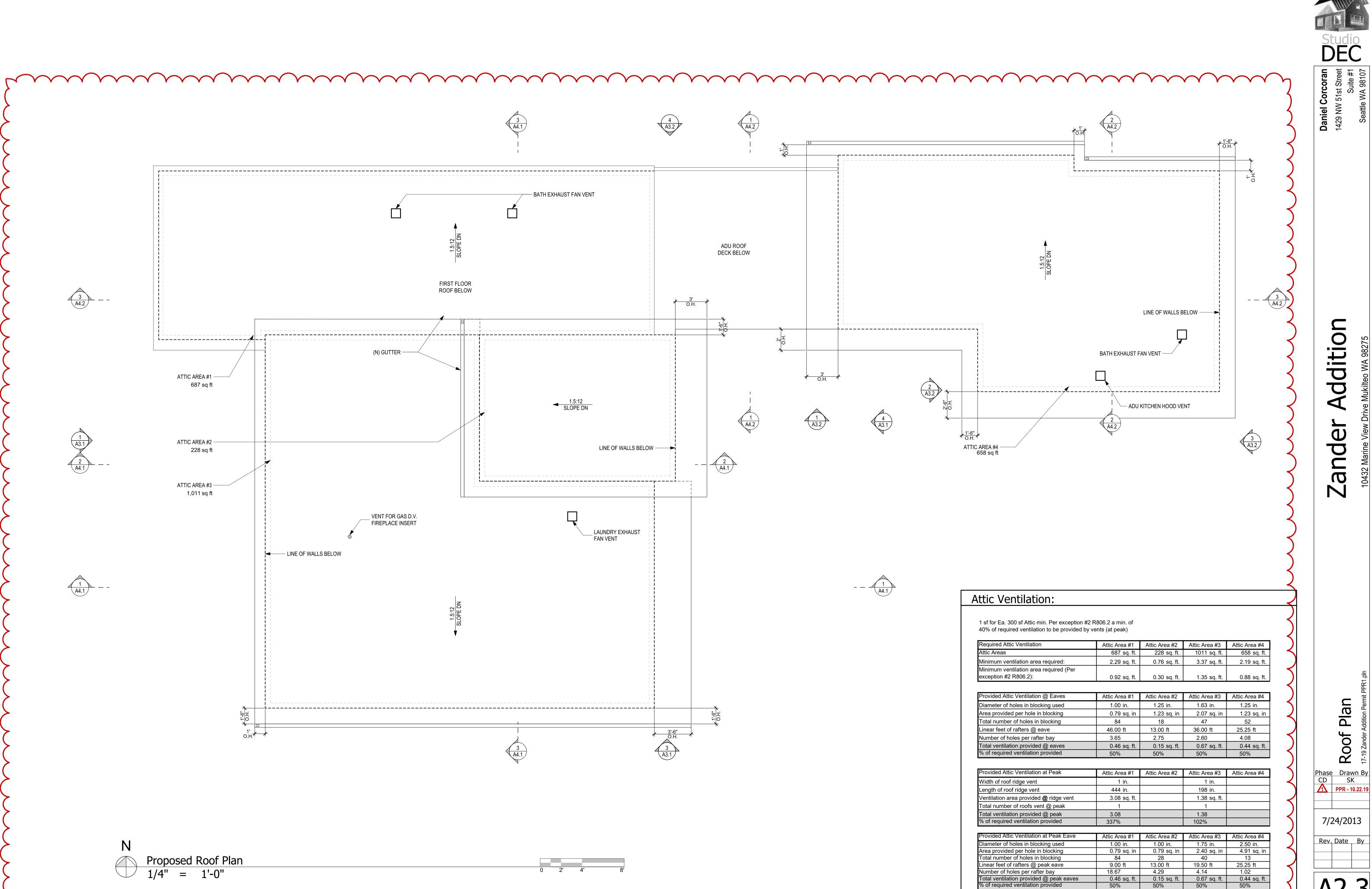
ACCESS TO BE PROVIDED TO ATTIC SPACES WITH A VERTICAL

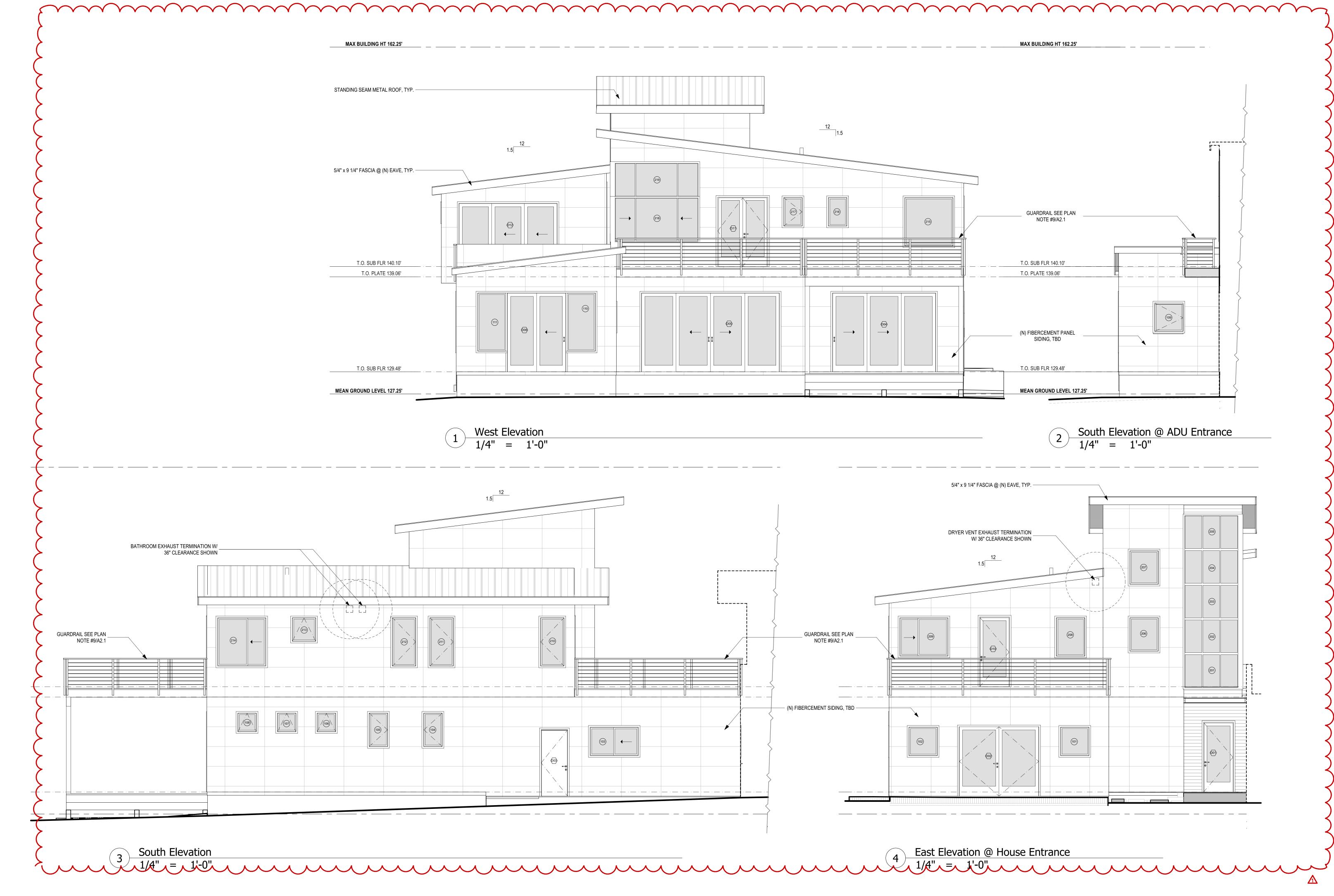
HEIGHT OF 30" OR MORE OVER AN AREA OF 30 SF OR MORE.

30"H IF LOCATED IN WALL (SEE IRC R807).

ACCESS OPENINGS IN CEILINGS TO BE 22"x30", AND 22"W x 14.







Daniel Corcoran
1429 NW 51st Street
Suite #1

Zander Addition

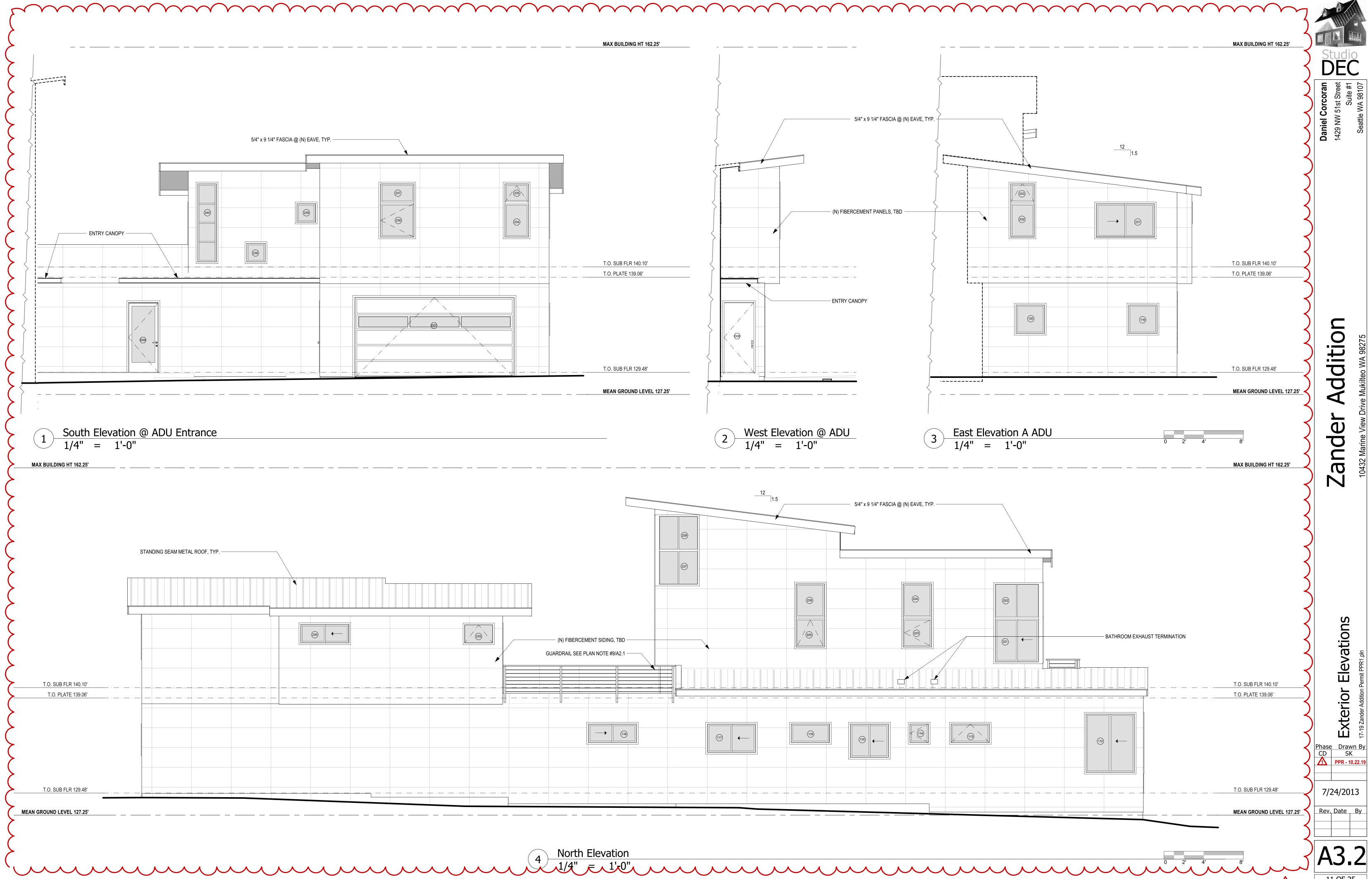
Exterior Elevations

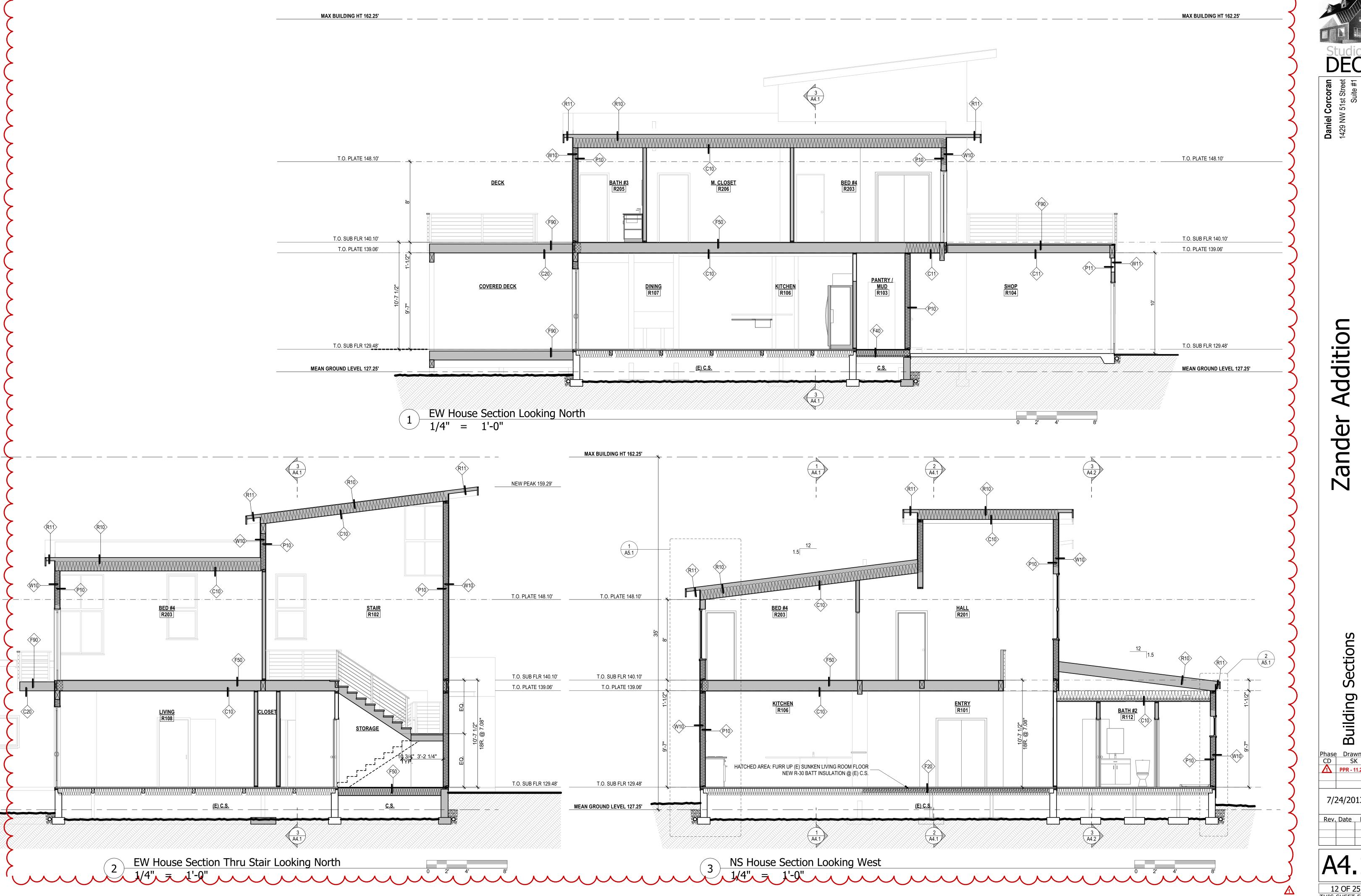
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PPR - 10.22.19

7/24/2013

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A3.1



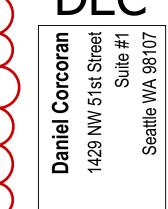


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7/24/2013 Rev. Date By

A4.1





Addition Zander

MAX BUILDING HT 162.25'

Sections Building (

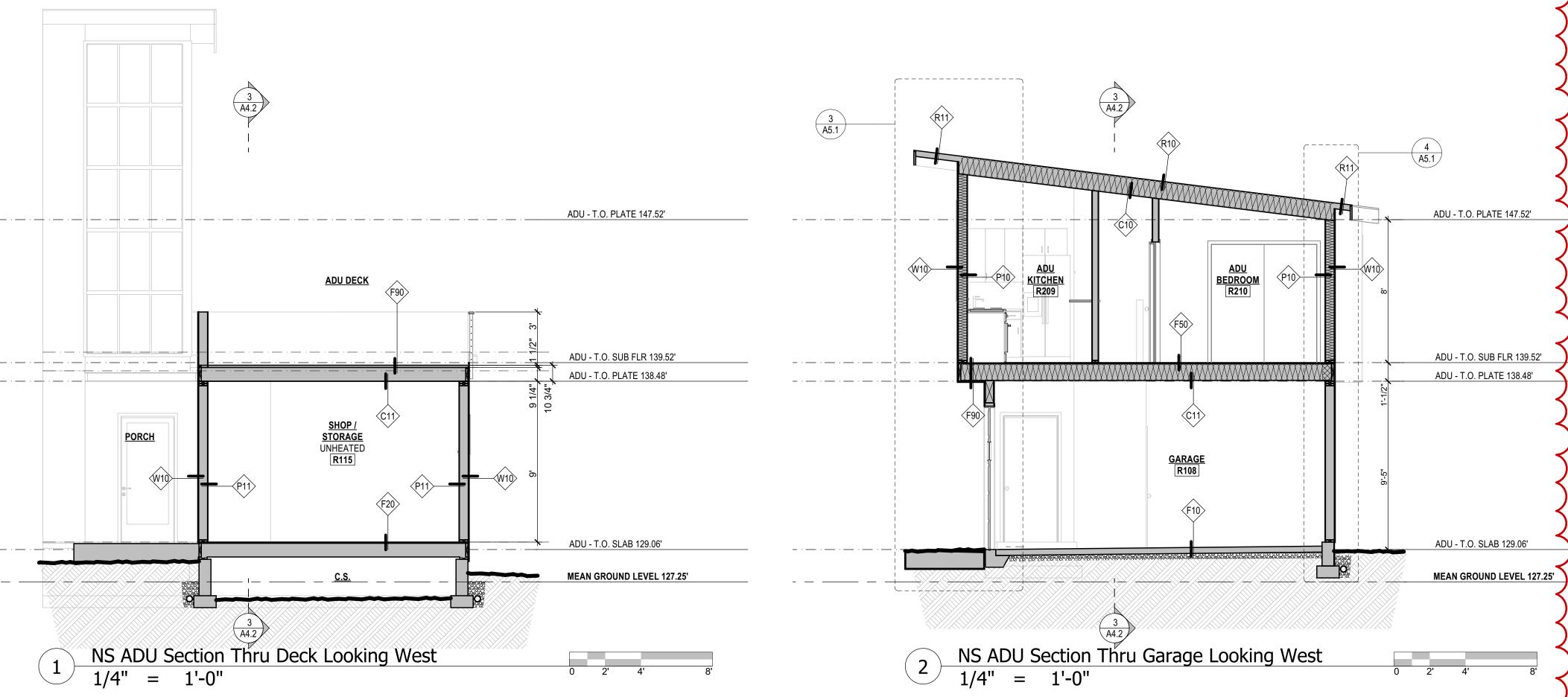
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PPR - 11.22.19

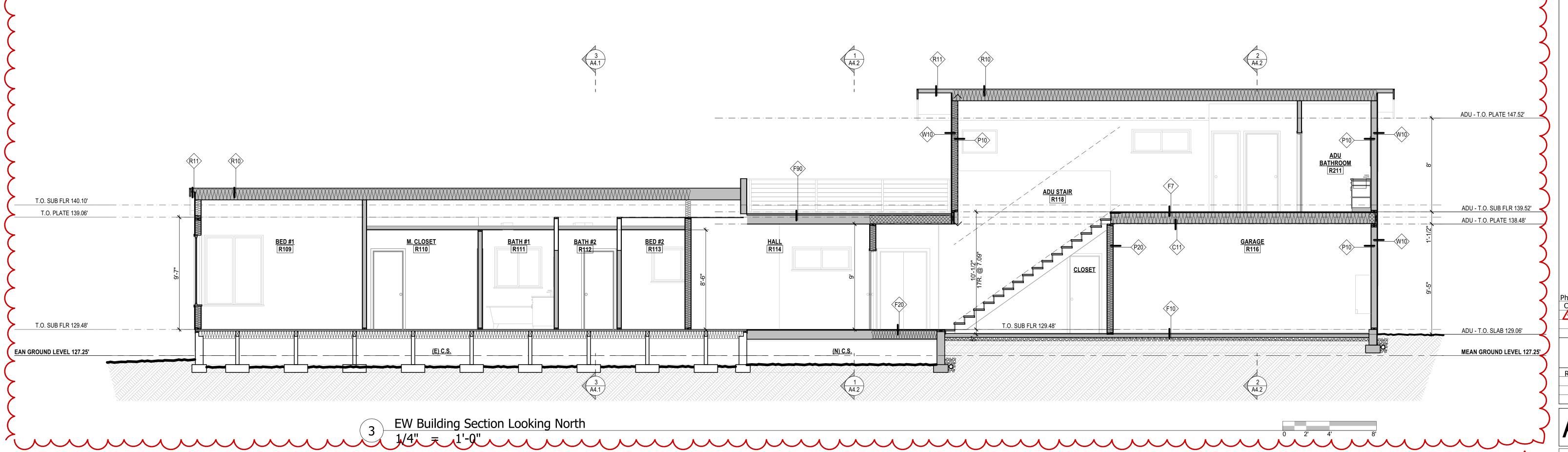
7/24/2013

Rev. Date By

A4.2

13 OF 25 THIS SHEET FULL SIZE @ 24" x 36"

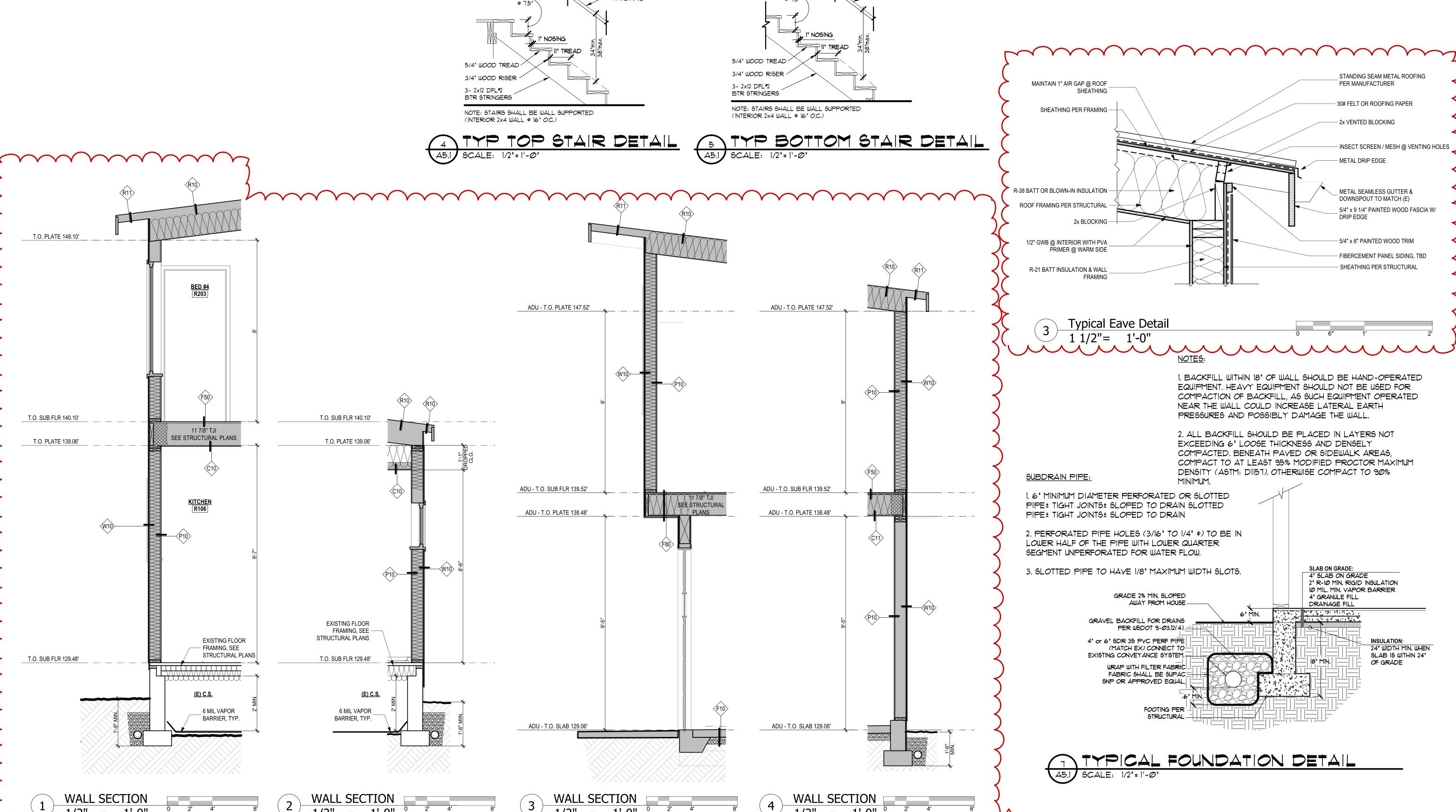




MAX BUILDING HT 162.25'

SEE STRUCTURAL PLANS FOR FLOOR AND ROOF FRAMING PLANS

SEE SHEET A6.1 FOR ASSEMBLIES



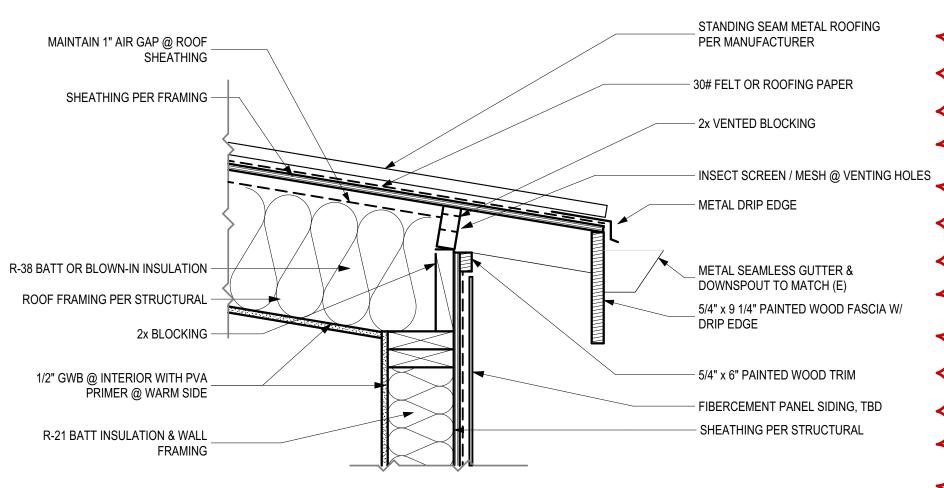
17 RISERS

HANDRAIL

IT RISERS

a 7.5" `

HANDRAIL



1. BACKFILL WITHIN 18" OF WALL SHOULD BE HAND-OPERATED

EQUIPMENT. HEAVY EQUIPMENT SHOULD NOT BE USED FOR COMPACTION OF BACKFILL, AS SUCH EQUIPMENT OPERATED NEAR THE WALL COULD INCREASE LATERAL EARTH PRESSURES AND POSSIBLY DAMAGE THE WALL.

2. ALL BACKFILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 6' LOOSE THICKNESS AND DENSELY COMPACTED. BENEATH PAVED OR SIDEWALK AREAS, COMPACT TO AT LEAST 95% MODIFIED PROCTOR MAXIMUM DENSITY (ASTM: DII57), OTHERWISE COMPACT TO 90% MINIMUM.

1. 6" MINIMUM DIAMETER PERFORATED OR SLOTTED PIPE + TIGHT JOINTS + SLOPED TO DRAIN SLOTTED PIPE + TIGHT JOINTS + SLOPED TO DRAIN

SUBDRAIN PIPE:

Typical Eave Detail

2. PERFORATED PIPE HOLES (3/16" TO 1/4" +) TO BE IN LOWER HALF OF THE PIPE WITH LOWER QUARTER SEGMENT UNPERFORATED FOR WATER FLOW.

SLAB ON GRADE: 4' SLAB ON GRADE 3. SLOTTED PIPE TO HAVE 1/8" MAXIMUM WIDTH SLOTS. 2" R-10 MIN. RIGID INSULATION 10 MIL. MIN. VAPOR BARRIER 4' GRANULE FILL DRAINAGE FILL GRADE 2% MIN. SLOPED AWAY FROM HOUSE -GRAVEL BACKFILL FOR DRAINS PER WSDOT 9-03.12(4).= 4' or 6' SDR 35 PVC PERF PIPE 24' WIDTH MIN. WHEN SLAB IS WITHIN 24' (MATCH EX) CONNECT TO -EXISTING CONVEYANCE SYSTEM. OF GRADE WRAP WITH FILTER FABRIC FABRIC SHALL BE SUPACE SNP OR APPROVED EQUAL, FOOTING PER

TYPICAL FOUNDATION DETAIL

STRUCTURAL_

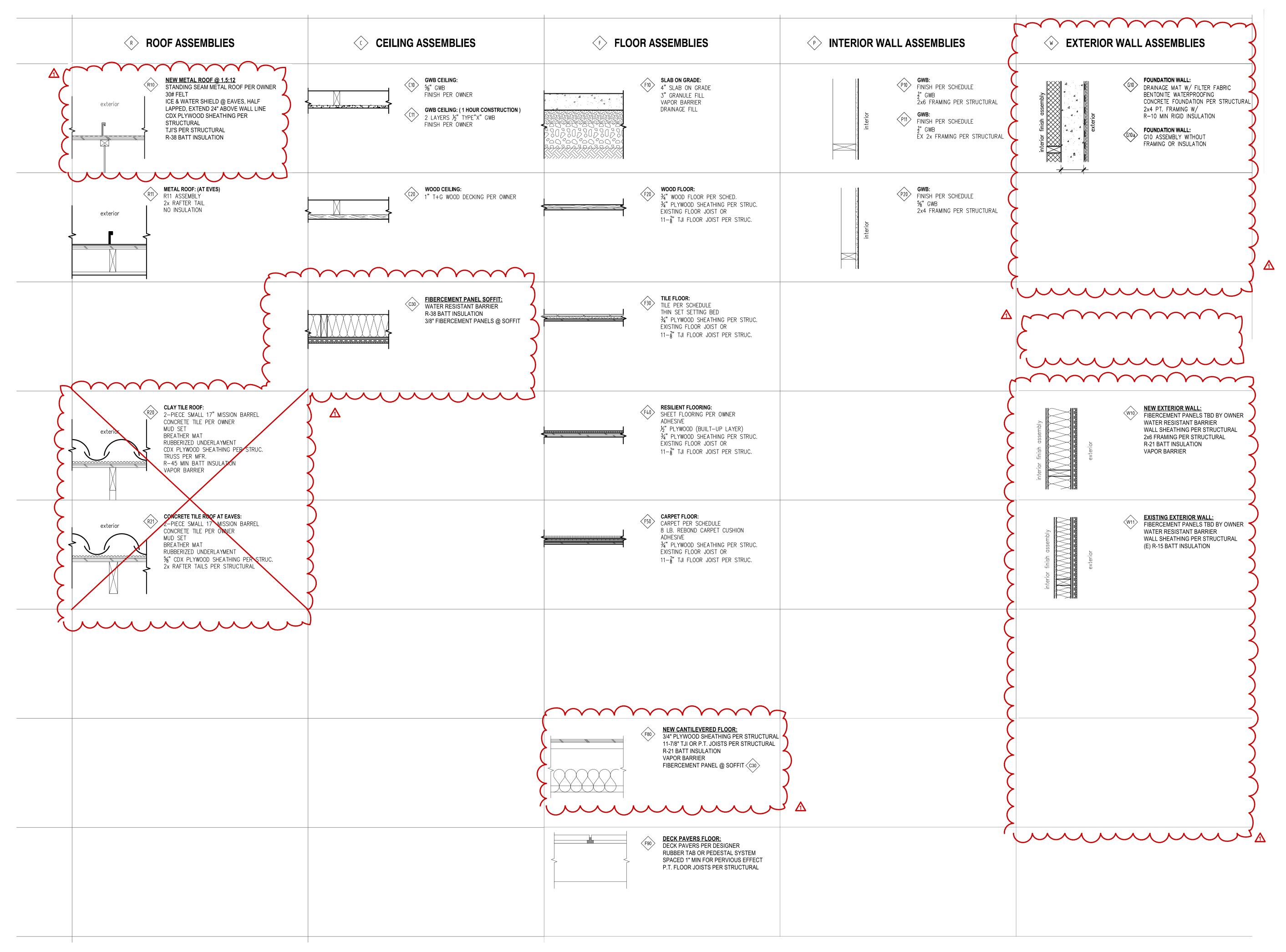
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> Sections Wall

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7/24/2013

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Daniel Corcoran
1429 NW 51st Street
Suite #1

1429 NW

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Assemblies
77-19 Zander Addition Permit PPR1.pln

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7/24/2013

Rev. Date By

A6.1

		Door Schedule				
Location	ID	Description / Type	Notes	Height	Width	
House	D01	Exterior - Solid Core inuslated door @ Entry R101 w/ full lite. U-value = .2	3	7'	3'	
House	D02	Exterior - Solid Core double doors @ Shop R104 w/ full lite.	3	7'	8'	
House	D03	Exterior - Solid Core door @ Mech R105	3	6'-8"	2'-8"	
House	D04	Exterior - (3) Panel by-pass doors @ Dining R107 w/ full lite. U-value = .2	3	8'	10'-6"	
House	D05	Exterior - (4) Panel by-pass doors @ Living R108 w/ full lite. U-value = .2	3	8'	14'	
House	D06	Exterior - Solid Core by-pass insulated doors @ Bed #1 R109 w/ full lite. U-value = .2, EGRESS	2,3	8'	6'	
House-Gara	D07	Exterior - Garage door @ Garage R116	3	8'	16'	
House-Gara	D08	Exterior - Solid Core door @ Garage R116	3	7'	3'	
ADU	D09	Exterior - Solid core insulated door @ ADU Entry/Stair R208 w/ full lite. U-value = .2	3	7'	3'	
House	D10	Exterior - Solid core door @ Bed #4 R203 w/ full lite. U-value = .2, EGRESS	2,3	7'	3'	
House	D11	Exterior - Solid core double doors @ Bed#3, w/ full lite. U-value = .2, EGRESS	2,3	7'	5'	
ADU	D12	Exterior - (3) Panel by-pass doors @ ADU Living R209, U-value = .2		7'	10'	
House	D13	Exterior - Solid core insulated door @ Entry R101, U-value = .2		6'-8"	2'-10"	
House	D14	Double Doors @ Entry R101 closet		6'-8"	4'-8"	
House	D15	Wood door @ Entry R101 storage		6'-8"	2'-6"	
House	D16	Wood door @ Pantry R103		6'-8"	2'-6"	
House	D17	Exterior - Solid core insulated door @ Pantry/Mud R103, U-value = .2	3	6'-8"	2'-6"	
House	D18	Wood door @ Mech R105		6'-8"	2'-6"	
House	D19	Pocket door @ Living R108		6'-8"	2'-10"	
House	D20	Wood door @ M. Closet R110		6'-8"	2'-6"	
House	D21	Wood door @ Bath #1 R111		6'-8"	2'-8"	
House	D22	Wood door @ Bath #1 R111 W/C		6'-8"	2'-4"	
House	D23	Wood door @ Bath #2 R112		6'-8"	2'-6"	
House	D24	Pocket door @ Bath #2 R112		6'-8"	2'-4"	
House	D25	Wood door @ Bed #2 R113		6'-8"	2'-8"	
House	D26	By-pass door @ Bed #2 R113 closet		6'-8"	7'	
House-Gara	D27	Exterior - Solid Core insulated door @ ADU Entry/Stair R208, U-Value = .2	3	6'-8"	2'-10"	
House-Gara	D28	Exterior - Solid Core insulated door @ Garage R116 closet, U-Value = .2	3	6'-8"	2'-6"	
House	D29	Wood door @ Laundry R202		6'-8"	2'-8"	
House	D30	Wood door @ Bed #4 R203		6'-8"	2'-8"	
House	D31	By-pass door @ Bed #4 R203 closet		6'-8"	5'	
House	D32	Pocket door @ Bath #4 R204		6'-8"	2'-8"	
House	D33	Wood door @ Bed #3 R207		6'-8"	2'-8"	
House	D34	Pocket door @ M. Closet R206		6'-8"	2'-10"	
House	D35	Pocket door @ Bath #3 R205		6'-8"	2'-8"	
House	D36	Wood door @ Bath #3 W/C		6'-8"	2'-6"	
ADU	D37	By-pass door @ ADU Entry/Stair R208 closet		6'-8"	4'	
ADU	D38	Wood door @ ADU Living R209 closet		6'-8"	2'	
ADU	D39	Wood door @ ADU Bedroom R211		6'-8"	2'-8"	
ADU	D40	By-pass door @ ADU Bedroom R211 closet	+	6'-8"	6'	
ADU	D40 D41	Wood door @ ADU Bath R212		6'-8"	2'-6"	

Fan Schedule							
KEY	Location	Description	MFG.	Notes			
EF-1	Bath #1 R111	90 CFM	Panasonic	By push button timer			
EF-2	Bath #1 R111 W/C	60 CFM	Panasonic	By push button timer			
EF-3	Bath #2 R112	90 CFM	Panasonic	By push button timer			
EF-4	Bath #2 R112 shower	60 CFM	Panasonic	By push button timer			
EF-5	Laundry R202	135 CFM Min. Whole House Fan see A0.1	Panasonic	Intermitten programmable timer se			
EF-6	Bath #4 R204	90 CFM	Panasonic	By push button timer			
EF-7	Bath #3 R205	60 CFM	Panasonic	By push button timer			
EF-8	Bath #3 R205	120 CFM	Panasonic	By push button timer			
EF-9	ADU Bath R212	45 CFM Min. Whole House Fan see A0.1	Panasonic	Intermitten programmable timer se			

FAN SCHEDULE NOTES:

All whole house fans to be maximum 1.0 sone as required by IRC M1507.3.4.2 Fan Noise Reduction.

Location	ID	Glazing Type / Description	Notes	Width	Height	Head (+F.F.)	Sill (+ F.F.)	U-Value
		3 71					` ,	
House-Garage House-Garage	118 119	Slider @ Shop/Storage R115 Fixed @ Garage R116	4,5,6 5,6	5' 3'	2' 3'	7' 6'-10"	60.00" 46.00"	.3
House-Garage	120	Fixed @ Garage R116	5,6	3'	3'	6'-10"	46.00"	.3
House-Garage House	101	Fixed @ Shop R104	5,6	3'	3'	6'-7"	48.00"	.3
House	101	Fixed @ Shop R104	5,6	3'	3'	6'-7"	48.00"	.3
House	102	Slider @ Shop R104	4,5,6	5'	3'	6'-7"	48.00"	.3
House	104	Casement @ Kitchen R106	4,5,6,7	2'	3'-6"	8'	54.00"	.3
House	105	Casement @ Kitchen R106	4,5,6,7	2'	3'-6"	8'	54.00"	.3
House	106	Awning @ Dining R107	4,5,6,7	2'	2'	8'	72.00"	.3
House	107	Awning @ Dining R107	4,5,6,7	2'	2'	8'	72.00"	.3
House	108	Awning @ Dining R107	4,5,6,7	2'	2'	8'	72.00"	.3
House	109	Fixed @ Bedroom R109	5,6	3'	3'	7'	48.00"	.3
House	110	Fixed @ Bedroom R109, SAFETY	1,5,6	3'	6'	8'	24.00"	.3
House	111	Fixed @ Bedroom R109, SAFETY	1,5,6	3'	6'	8'	24.00"	.3
House	112	Slider @ Bedroom R109	4.5.6.7	5'	6'	8'	24.00"	.3
House	113	Awning @ M. Closet R110	4,5,6,7	4'	2'	7'	60.00"	.3
House	114	Casement @ Bath #1 R111 W/C	4,5,6,7	2'	2'	7'	60.00"	.3
House	115	Slider @ Bath #1 R111, SAFETY	1,4,5,6,7	4'	3'-6"	7'	42.00"	.3
House	116	Fixed @ Bath #1 R111 Shower, SAFETY	1,5,6,7	4'	2'	7'	60.00"	.3
House	117	Slider @ Bed #2 R113, EGRESS	2,4,5,6,7	5'	3'	7'	48.00"	.3
House	201	Fixed @ Stair R102	5.6	5'-6"	3'-6"	3'-4"	0.00"	.3
House	202	Transom of 201 - Fixed @ Stair R102	5,6	5'-6"	3'-6"	6'-10"	40.00"	.3
House	203	Transom of 201 - Fixed @ Stair R102	5,6	5'-6"	3'-6"	10'-4"	82.00"	.3
House	204	Transom of 201 - Fixed @ Stair R102	5,6	5'-6"	3'-6"	13'-10"	124.00"	.3
House	205	Transom of 201 - Fixed @ Stair R102	5,6	5'-6"	3'-6"	17'-4"	166.00"	.3
House	206	Fixed @ Stair R102	5,6	3'	3'-6"	7'	42.00"	.3
House	207	Fixed - Abv Window 206 @ Stair R102	5,6	3'	3'-6"	13'-9"	123.00"	.3
House	208	Fixed @ Laundry R202	5,6	3'	4'	7'	36.00"	.3
House	209	Slider / Fixed @ Bed R203	5,6,7	5'	4'	7'	36.00"	.3
House	210	Casement @ Bed R203	5,6,7,9	2'-6"	5'	7'	24.00"	.3
House	211	Casement @ Bed R203, SAFETY	2,5,6,7	2'-6"	5'	7'	24.00"	.3
House	212	Casement @ Bath #4 R204, SAFETY	2,5,6,7	2'-6"	5'	7'	24.00"	.3
House	213	Awning @ Bath #3 R205 W/C	5,6,7	2'-6"	2'-6"	7'	54.00"	.3
House	214	Slider / Fixed @ Bath #3 R205, SAFETY	2,5,6,7	5'	5'	7'	24.00"	.3
House	215	Fixed @ Bath #3 R205, SAFETY	2,5,6	5'	5'	7'	24.00"	.3
House	216	Fixed @ Bath #3 R205	5,6	2'	3'	7'	48.00"	.3
House	217	Casement @ Bath #3 R205, SAFETY	2,5,6,7	2'	3'	7'	48.00"	.3
House	218	Slider / Fixed / Slider @ Bed #3 R207, SAFETY	2,5,6,7	8'-6"	4'-6"	7'	30.00"	.3
House	219	Transom of 218 - Fixed @ Bed #3 R207	5,6	8'-6"	3'-6"	10'-6"	84.00"	.3
House	221	Slider @ Bed #3 R207	5.6.7	4'-6"	4'-6"	7'	30.00"	.3
House	222	Transom of 221- Fixed @ Bed #3 R207	5,6	4'-6"	3'-6"	10'-6"	84.00"	.3
House	223	Casement @ Bed #3 R207	5,6,7	3'	3'	7'	48.00"	.3
House	224	Transom of 224 @ Bed #3 R207	5,6	3'	3'-6"	10'-6"	84.00"	.3
House	225	Awning @ Stair R102	5,6,7	3'	3'	7'	48.00"	.3
House	226	Transom of 225 - Fixed @ Stair R102	5,6	3'	3'-6"	10'-6"	84.00"	.3
House	227	Fixed @ Stair R102	5,6	4'	3'-6"	13'-10"	124.00"	.3
House	228	Transom of 227 - Fixed @ Stair R102	5,6	4'	3'-6"	17'-4"	166.00"	.3
ADU	229	Awning @ ADU Living R209	5,6,7	3'	2'	7'	60.00"	.3
ADU	230	Slider @ ADU Living R209	5,6,7	5'	2'	7'	60.00"	.3
ADU	231	Slider @ ADU Bedroom R211	5,6,7	6'	3'-6"	7'	42.00"	.3
ADU	232	Fixed @ ADU Bath R212	5,6	2'-6"	3'-6"	7'	42.00"	.3
ADU	233	Transom of 232 - Awning @ ADU Bath R212	5,6,7	2'-6"	2'	9'	84.00"	.3
ADU	234	Fixed @ ADU Bath R212, SAFETY	2,5,6,7	2'-6"	3'-6"	7'	42.00"	.3
ADU	235	Transom of 234 - Awning @ ADU Bath R212, SAFETY	5,6,7	2'-6"	1'-11 1/	9'	84.50"	.3
ADU	236	Casement @ ADU Kitchen R210	5,6,7	3'-6"	3'-6"	7'	42.00"	.3
ADU	237	Transom of 236 - Fixed @ ADU Kitchen R210	5,6	3'-6"	2'	9'	84.00"	.3
ADU	238	Fixed @ ADU Stair R208	5,6	2'	2'	3'	12.00"	.3
ADU	239	Fixed @ ADU Stair R208	5,6	2'	2'	7'	60.00"	.3
ADU	240	Fixed @ ADU Stair R208	5	2'	8'	9'	12.00"	.3

GLAZING & DOOR SCHEDULE NOTES:

- **SAFETY:** this window meets safety glazing requirment per IRC R303.9
- EGRESS: this window meets egress requirements per IRC 308.4. All egress windows meet IRC 2015 egress requirements for windows at or above grade: 24" net open height, 20" net width, 5.7 SF min. area., 44" maximum sill height.
- 3. Building entrance door(s) shall be capable of locking, equipped with a dead-locking latch bolt, and be openable from inside without use of a key or special knowledge or effort
- All windows within 10' of grade to be lockable from inside.
- All new glazing to be NFRC certified and compliant with 2015 Washington State Energy Code
- All windows to be I.G., low E coating, argon filled U.N.O. This window to be operable or have trickle vent for fresh air intake.
- Window fall protection where the top of the sill of an operable window opening is located less than
- 24" above the finished floor, per IRC 312.2
- 9. Opening control devices shall comply with ASTM F 2090 per IRC 312.2.2. Window opening control device shall not reduce the net clear opening area to less than the area required by IRC 310.2.1

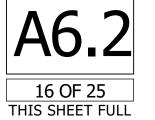
Schedules
17-19 Zander Addition Permit P

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Phase Drawn By CD SK PPR - 10.22.19

7/24/2013

Rev. Date By



SIZE @ 24" x 36"

Criteria

1. MATERIALS

A. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, THE INTERNATIONAL BUILDING CODE (2015 EDITION). THIS STRUCTURE DOES NOT CONFORM TO PRESENT EARTHQUAKE CODE REQUIREMENTS. IT HAS BEEN ANALYZED AND REINFORCED FOR MINIMUM MAINTENANCE IN ACCORDANCE WITH CHAPTER 34 OF THE INTERNATIONAL BUILDING CODE, AND IS WITHIN THE CURRENT PRACTICE FOR THE RENOVATION OF EXISTING BUILDINGS OF THIS AGE AND TYPE OF CONSTRUCTION.

2. DESIGN LOAD CRITERIA

ROOF LIVE LOAD	25 PSF
FLOOR LIVE LOAD (RESIDENTIAL)	40 PSF
FLOOR LIVE LOAD (RESIDENTIAL DECKS)	40 PSF
FLOOR LIVE LOAD (RESIDENTIAL BALCONIES)	60 PSF
GUARDRAILS/BALCONY RAILS	50 PLF
GUARDRAILS/BALCONY RAILS CONCENTRATED LOAD	200 LBS
SNOW	Pf=25 PSF
WIND	RISK CATEGORY II, GCpi=0.18, 110 MPH, EXPOSURE B
EARTHQUAKE ANALYSIS PROCEDURE:	EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL SYSTEM:	LIGHT FRAMED SHEAR WALLS, Vs = 12.1 KIPS SITE CLASS=E
	Ss=141, Sds=94, S1=55, SD1=55, Cs=0.145, SDC D, le=1.0,

SEE PLANS FOR ADDITIONAL LOADING CRITERIA.

- 3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- 4. 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
- 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 CONTRACTOR'S 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.
- 7. 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.

Quality Assurance

10. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SECTIONS 110 AND 1704 OF THE INTERNATIONAL BUILDING CODE BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT AND RETAINED BY THE BUILDING OWNER. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION AND TEST RESULTS. SPECIAL INSPECTION OF THE FOLLOWING TYPES OF CONSTRUCTION:

CONCRETE CONSTRUCTION	PER TABLE 1705.2.2
EXPANSION BOLTS AND THREADED EXPANSION INSERTS	PER MANUFACTURER
EPOXY GROUTED INSTALLATIONS	PER MANUFACTURER

- 11. UNLESS OTHERWISE NOTED, THE FOLLOWING ELEMENTS COMPRISE THE SEISMIC—FORCE—RESISTING SYSTEM AND ARE SUBJECT TO SPECIAL INSPECTION FOR SEISMIC RESISTANCE IN ACCORDANCE WITH SECTION 1707 OF THE INTERNATIONAL BUILDING CODE.
- A. STRUCTURAL WOOD SHEAR WALL SYSTEMS REQUIRE PERIODIC INSPECTION FOR NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE RESISTING SYSTEM INCLUDING DRAG STRUTS, BRACES

Geotechnical

12. 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.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

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PROJECT #: 2007-051021 T300, DATED DECEMBER 12TH 2016

Renovation

13. 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 PSF.

- 14. EXISTING REINFORCING SHALL BE SAVED WHERE AND AS NOTED ON THE PLANS. SAW CUTTING, IF AND WHERE USED, SHALL NOT CUT EXISTING REINFORCING THAT IS TO BE SAVED.
- A. WHERE NEW REINFORCING TERMINATES AT EXISTING CONCRETE, DOWELS EPOXY GROUTED INTO EXISTING CONCRETE SHALL BE PROVIDED TO MATCH HORIZONTAL REINFORCING, UNLESS OTHERWISE NOTED ON PLANS.
- 15. CONTRACTOR SHALL CHECK FOR DRYROT 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

- 16. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH IBC SECTION 1905, 1906 AND ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF f'c = 2,500 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS.
- 17. THE MINIMUM AMOUNTS OF CEMENT MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. THE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER CEMENT RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH IBC 1905.6. THE USE OF A PERFORMANCE MIX REQUIRES BATCH PLANT INSPECTION, THE COST OF WHICH SHALL BE PAID BY THE GENERAL CONTRACTOR. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY WITH CONTRACT DOCUMENTS. CONTRACTOR OR SUPPLIER MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.
- 18. 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 TABLE ACI 318 TABLE 4.2.1 MODERATE EXPOSURE
- 19. REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60, fy = 60,000 PSI. EXCEPTIONS: ANY BARS SPECIFICALLY SO NOTED ON THE DRAWINGS SHALL BE GRADE 40, fy = 40,000 PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. SPIRAL REINFORCEMENT SHALL BE PLAIN WIRE CONFORMING TO ASTM A615, GRADE 60, fy = 60,000 PSI.
- 20. DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 315-99 AND 318-05. 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 318-05, 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.

Anchorage

- 21. EXPANSION BOLTS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE "KWIK BOLT 3" AS MANUFACTURED BY THE HILTI CORP. INSTALL IN STRICT ACCORDANCE WITH ICC—ES REPORT NO. ESR—1385, INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. BOLTS INTO CONCRETE MASONRY OR BRICK MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT INSTALLATION.
- 22. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "SET" HIGH STRENGTH EPOXY AS MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-1772. SPECIAL INSPECTION OF INSTALLATION IS REQUIRED. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED.

Wood

23. FRAMING LUMBER SHALL BE KILN DRIED OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH W.C.L.B. STANDARD GRADING RULES FOR WEST COAST LUMBER NO.17. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

JOISTS AND BEAMS:	(2X & 3X MEMBERS)	HEM-FIR NO. 2 MINIMUM BASE VALUE, Fb = 850 PSI
	(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fb = 1000 PSI
BEAMS:	(INCL. 6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fb = 1350 PSI
POSTS:	(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 2 MINIMUM BASE VALUE, Fc = 1350 PSI
	(6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1 MINIMUM BASE VALUE, Fc = 1000 PSI
STUDS, PLATES & MISC. F	RAMING:	DOUGLAS-FIR-LARCH OR HEM-FIR NO. 2

24. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND AITC STANDARDS. EACH MEMBER SHALL BEAR AN A.I.T.C. IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN A.I.T.C. CERTIFICATE OF CONFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv = 265 PSI. ALL CANTILEVERED BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2400 PSI, Fv = 265 PSI. CAMBER ALL SIMPLE SPAN GLULAM BEAMS TO 3,000' RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.

Wood

25. MANUFACTURED LUMBER, PSL, LVL, AND LSL, SHALL BE MANUFACTURED UNDER A PROCESS APPROVED BY THE NATIONAL RESEARCH BOARD. EACH PIECE SHALL BEAR A STAMP OR STAMPS NOTING THE NAME AND PLANT NUMBER OF THE MANUFACTURER, THE GRADE, THE NATIONAL RESEARCH BOARD NUMBER, AND THE QUALITY CONTROL AGENCY. ALL PSL, LVL, AND LSL LUMBER SHALL BE MANUFACTURED IN ACCORDANCE WITH ICC—ES REPORT ESR—1387 USING DOUGLAS FIR VENEER GLUED WITH A WATERPROOF ADHESIVE MEETING THE REQUIREMENTS OF ASTM D2559 WITH ALL GRAIN PARALLEL WITH THE LENGTH OF THE MEMBER. THE MEMBERS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

PSL (2.0E) Fb = 2900 PSI, E = 2000 KSI, Fv = 290 PSI LVL (1.9E) Fb = 2600 PSI, E = 1900 KSI, Fv = 285 PSI LSL (1.55E) Fb = 2325 PSI, E = 1550 KSI, Fv = 310 PSI

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

MANUFACTURED LUMBER PRODUCTS SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%. EXCESSIVE DEFLECTIONS MAY OCCUR IF MOISTURE CONTENT EXCEEDS THIS VALUE.

26. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DOC PS 1. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD.

ROOF SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 32/16.
FLOOR SHEATHING SHALL BE 3/4" (NOMINAL) WITH SPAN RATING 48/24.
WALL SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 24/0.
REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING REQUIREMENTS

- 27. 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.
- 28. PRESSURE TREATED WOOD SHALL BE TREATED PER AWPA STANDARD. PRESSURE TREATED WOOD FOR ABOVE GROUND USE SHALL BE TREATED TO A RETENTION OF 0.25 PCF. WOOD IN CONTINUOUS CONTACT WITH FRESH WATER OR SOIL SHALL BE TREATED TO A RETENTION OF 0.40 PCF. WOOD FOR USE IN PERMANENT FOUNDATIONS SHALL BE TREATED TO A RETENTION OF 0.60 PCF. SODIUM BORATE (SBX) TREATED WOOD SHALL NOT BE USED WHERE EXPOSED TO WEATHER. FASTENERS AND TIMBER CONNECTORS IN DIRECT CONTACT WITH ACQ—A, CBA—A, CA—B, OR SBX TREATED WOOD SHALL BE G185 OR A185 HOT DIPPED OR CONTINUOUS HOT—GALVANIZED PER ASTM A653. FASTENERS AND TIMBER CONNECTORS IN DIRECT CONTACT WITH ACZA TREATED WOOD SHALL BE TYPE 304 OR 316 STAINLESS STEEL.
- 29. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG—TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C—2008. 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. 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 "ITT" 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.

30. WOOD FASTENERS

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

SIZE	LENGTH	DIAMETER
8d	2-1/2"	0.131"
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.

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 (2005 EDITION) 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.

... General Structural Notes continued on S1.2

PROJECT TITLE:

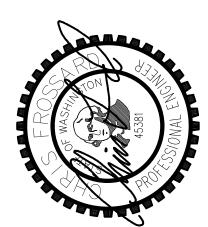
Zander Residence

10432 Marine View Dr, Mukilteo, WA 98275

DESIGN:	CTF	
DRAWN:	KLD	
APPROVED:		

CTF

ARCHITECT:



616 - 25th Ave. NE, #585 Seattle, WA 98105

Permit

December 20, 2019

PPR - 10.22.19

HEET TITLE:

General Notes

SCALE:

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Wood (Continued)

- 31. 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. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.9.1. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.
- 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

ALL WALLS SHALL HAVE A SINGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16d NAILS, AND TOENAIL OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16d NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16d @ 12" O.C. AND LAP MINIMUM 4'-0" AT JOINTS AND PROVIDE EIGHT 16d NAILS @ 4" O.C. EACH SIDE JOINT.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH TWO ROWS OF 16d NAILS @ 12" ON—CENTER, OR ATTACHED TO CONCRETE BELOW WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'—0" ON—CENTER EMBEDDED 7" MINIMUM, UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT—UP POSTS SHALL BE NAILED TO EACH OTHER WITH TWO ROWS OF 16d @12" ON—CENTER. UNLESS OTHERWISE NOTED, GYPSUM WALLBOARD SHALL BE FASTENED TO THE INTERIOR SURFACE OF ALL STUDS AND PLATES WITH NO. 6 X 1—1/4" TYPE S OR W SCREWS @ 8" ON—CENTER. UNLESS INDICATED OTHERWISE, 1/2" (NOMINAL) APA RATED SHEATHING (SPAN RATING 24/0) SHALL BE NAILED TO ALL EXTERIOR SURFACES WITH 8d NAILS @ 6" ON—CENTER AT PANEL EDGES AND TOP AND BOTTOM PLATES (BLOCK UN—SUPPORTED EDGES) AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH 8d NAILS @ 12" ON—CENTER ALLOW 1/8" SPACING AT ALL PANEL EDGES AND PANEL ENDS.

C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. TOENAIL JOISTS TO SUPPORTS WITH TWO 16d NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTI-JOIST BEAMS TOGETHER WITH TWO ROWS 16d @ 12" ON-CENTER.

UNLESS OTHERWISE NOTED ON THE PLANS, PLYWOOD ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED AT 6" ON-CENTER WITH 8d NAILS TO FRAMED PANEL EDGES, STRUTS AND OVER STUD WALLS AS SHOWN ON PLANS AND @ 12" ON-CENTER TO INTERMEDIATE SUPPORTS. PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING. TOENAIL BLOCKING TO SUPPORTS WITH 16d @ 12" ON-CENTER UNLESS OTHERWISE NOTED.

Steel Reserved

- 32. STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION SHALL BE BASED ON:
- A. EITHER AISC 360 AND SECTION 2205.2 OF THE INTERNATIONAL BUILDING CODE.

 B. MARCH 18, 2005 AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, AMENDED AS FOLLOWS.
 - 1. AS NOTED IN THE CONTRACT DOCUMENTS.
 - 2. BY THE DELETION OF PARAGRAPH 4.4.1.
 - 3. REVISE REFERENCE FROM "STRUCTURAL DESIGN DRAWINGS" TO "CONTRACT DOCUMENTS" IN PARAGRAPH 3.1.
 - "CONTRACT DOCUMENTS" IN PARAGRAPH 3.1.
- C. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS.
- 32. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

TYPE OF MEMBER	ASTM SPECIFICATION	Fy
A. WIDE FLANGE SHAPES B. OTHER SHAPES, PLATES, AND R C. OTHER SHAPES AND PLATES	A992 ODS A36 A572 (GRADE 50)	50 KSI 36 KSI 50 KSI
(NOTED GRADE 50 ON PLANS)	,	
D. PIPE COLUMNS E. STRUCTURAL TUBING	A53 (E OR S, GR.B) A500 (GRADE B)	35 KSI
(SQUARE OR RECTANGULAR) (ROUND)		46 KSI
F. CONNECTION BOLTS (3/4" ROUND, UNLESS SHOWN OTHERWIS	A325-N SE)	42 KSI

- 34. ARCHITECTURALLY EXPOSED STRUCTURAL STEEL SHALL CONFORM TO SECTION 10 OF THE AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES.
- 35. ALL A-325N CONNECTION BOLTS NEED ONLY BE TIGHTENED TO A SNUG TIGHT CONDITION, DEFINED AS THE TIGHTNESS THAT EXISTS WHEN ALL PLIES IN A JOINT ARE IN FIRM CONTACT. THIS MAY BE ATTAINED BY A FEW IMPACTS OF AN IMPACT WRENCH OR THE FULL EFFORT OF AN IRONWORKER USING AN ORDINARY SPUD WRENCH.
- 36. ALL ANCHORS EMBEDDED IN MASONRY OR CONCRETE SHALL BE A307 HEADED BOLTS OR A36 THREADED ROD WITH AN ASTM 563 HEAVY HEX NUT TACK WELDED ON THE EMBEDDED END.
- 37. ALL WELDING SHALL BE IN CONFORMANCE WITH A.I.S.C. 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 AND 40 FT—LBS AT 70 DEGREES F, AS DETERMINED BY AWS CLASSIFICATION OR MANUFACTURER CERTIFICATION.

Zander Residence

PROJECT TITLE:

10432 Marine View Dr, Mukilteo, WA 98275

DESIGN:	OTE
	CTF
DRAWN:	141 D
	KLD
APPROVED:	

CTF

ARCHITECT:



4616 - 25th Ave. NE, #585 Seattle, WA 98105

Permit

December 20, 2019
REVISIONS:

PPR - 10.22.19

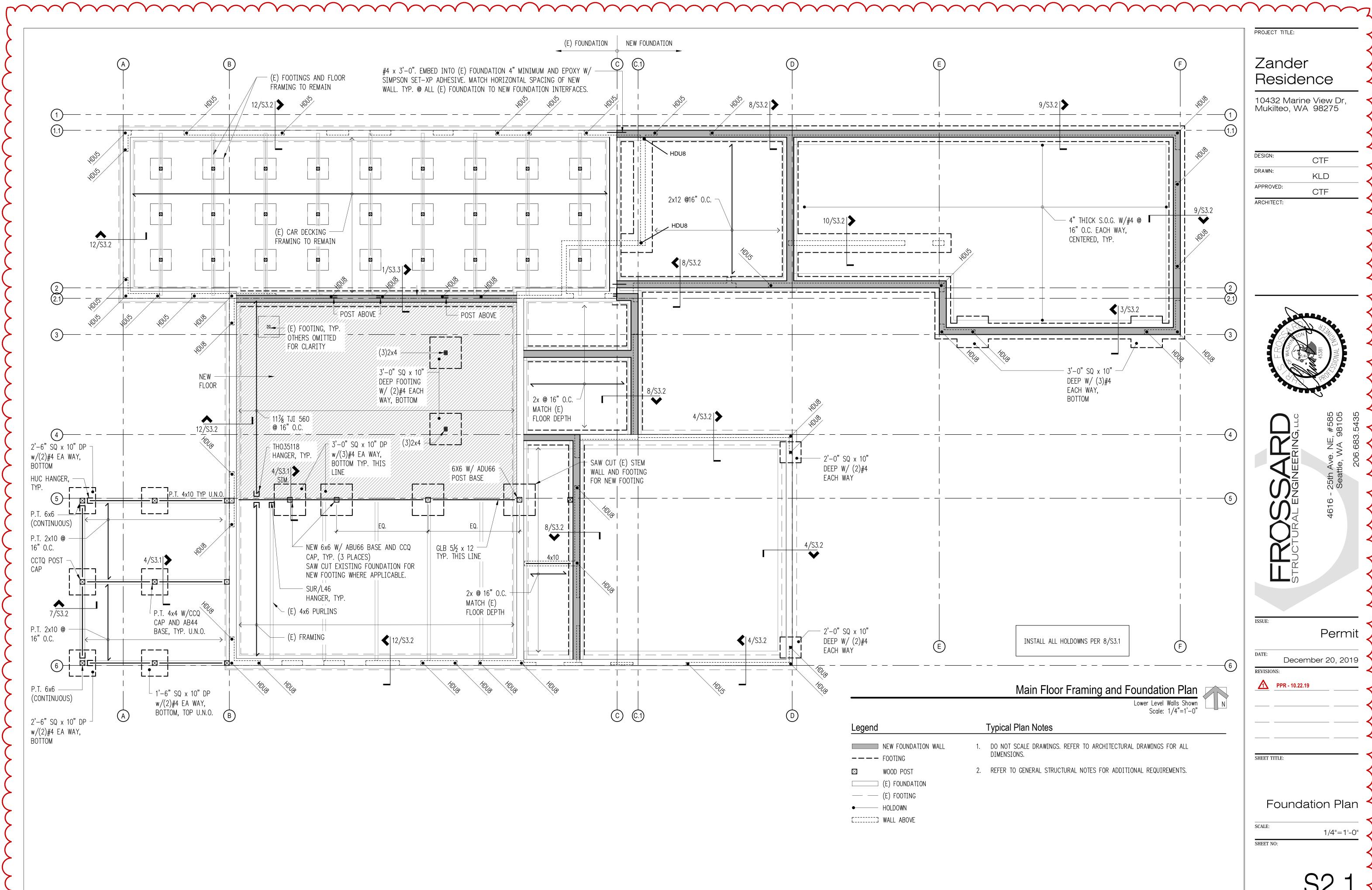
HEET TITLE:

General Notes

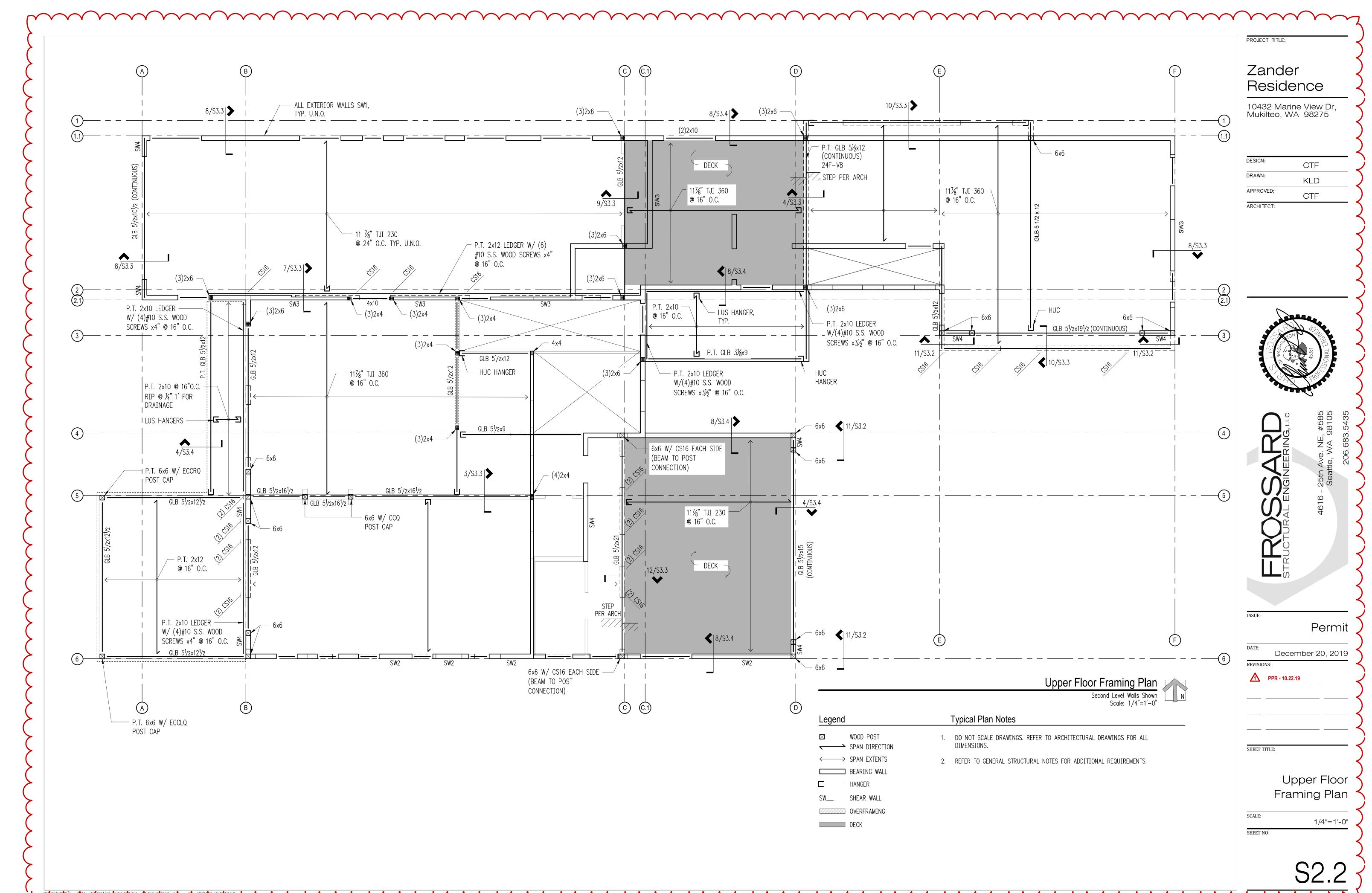
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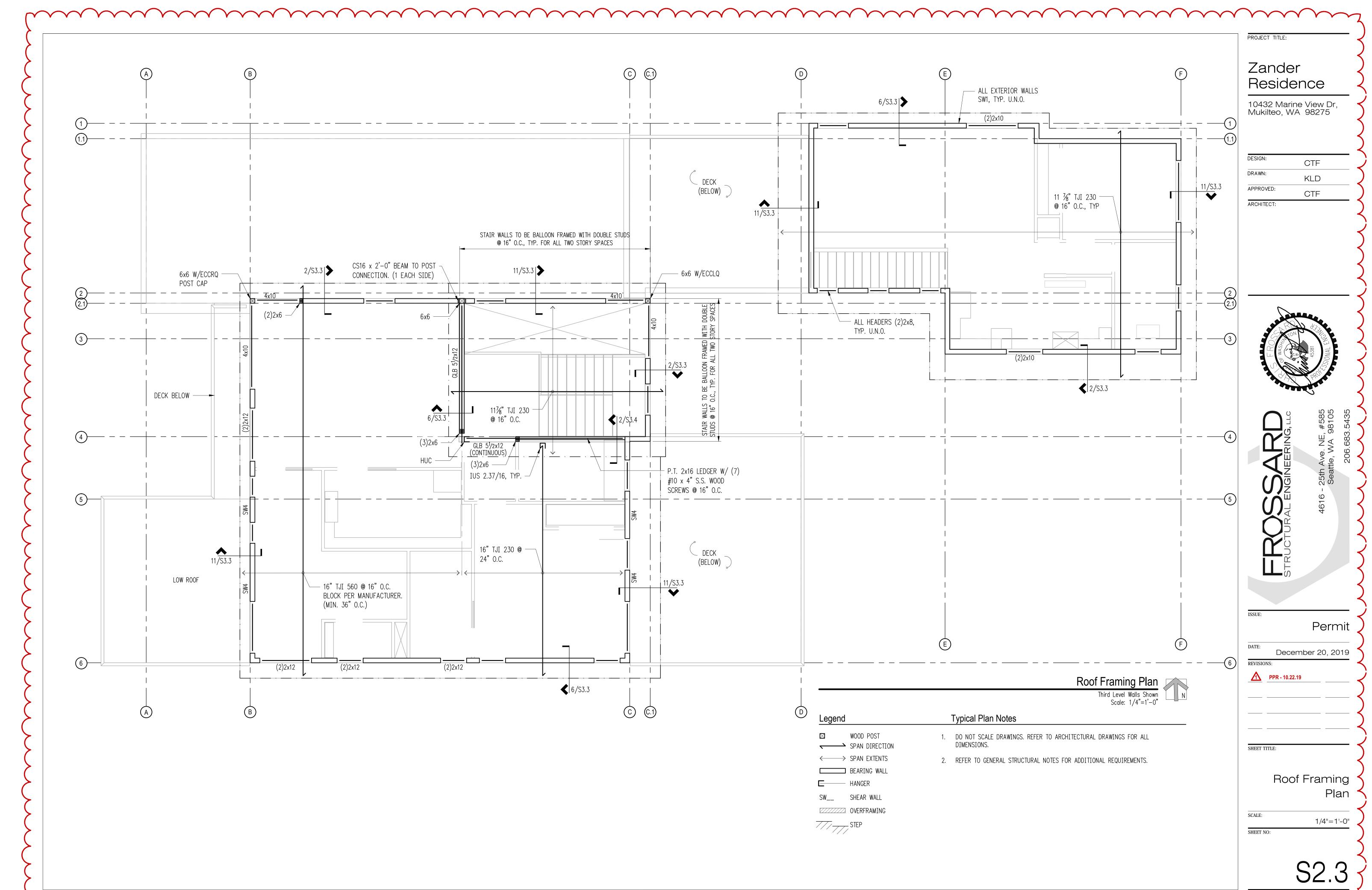
S1.2

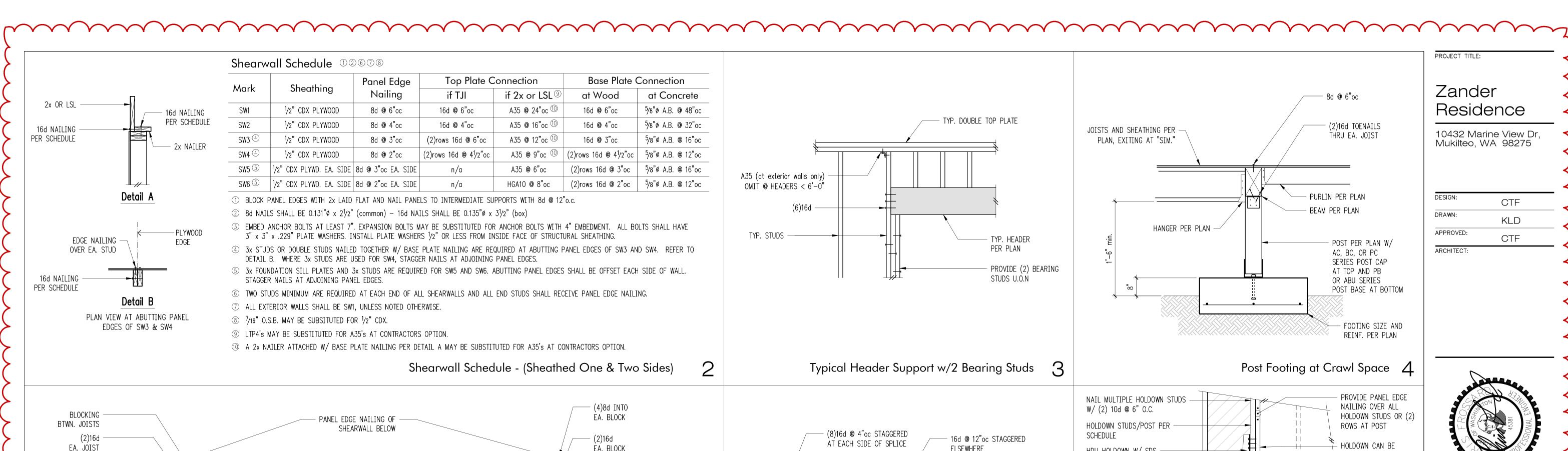




5Z. I







2x BLOCKING

Bearing Wall

Shearwall Schedule 12678 Top Plate Connection Panel Edge Base Plate Connection Sheathing Nailing if 2x or LSL at Concrete at Wood 5/8"ø ΔR @ 48"oc 1/2" CDY PLYWOOD 8d @ 6"oc 16d @ 6"oc Δ35 @ 24"oc 10 16d @ 6"oc

2M1	yz CDX PLTWOOD	00 6 00	100 6 00	A33 W 24 00 S	100 6 00	78 9 A.D. W 40 0C
SW2	½" CDX PLYWOOD	8d @ 4"oc	16d @ 4"oc	A35 @ 16"oc ^①	16d @ 4"oc	⁵ /8"ø A.B. @ 32"oc
SW3 ⁴	½" CDX PLYWOOD	8d @ 3"oc	(2)rows 16d @ 6"oc	A35 @ 12"oc ¹	16d @ 3"oc	⁵ /8"ø A.B. @ 16"oc
SW4 4	½" CDX PLYWOOD	8d @ 2"oc	(2)rows 16d @ 4 ¹ /2"oc	A35 @ 9"oc 🛈	(2)rows 16d @ 4 ¹ /2"oc	⁵ /8"ø A.B. @ 12"oc
SW5 (5)	1/2" CDX PLYWD. EA. SIDE	8d @ 3"oc EA. SIDE	n/a	A35 @ 6"oc	(2)rows 16d @ 3"oc	⁵ /8"ø A.B. @ 16"oc
SW6 ^⑤	1/2" CDX PLYWD. EA. SIDE	8d @ 2"oc EA. SIDE	n/a	HGA10 @ 8"oc	(2)rows 16d @ 2"oc	⁵ /8"ø A.B. @ 12"oc

- ① BLOCK PANEL EDGES WITH 2x LAID FLAT AND NAIL PANELS TO INTERMEDIATE SUPPORTS WITH 8d @ 12"o.c.
- ② 8d NAILS SHALL BE 0.131"ø x $2\frac{1}{2}$ " (common) 16d NAILS SHALL BE 0.135"ø x $3\frac{1}{2}$ " (box)
- ③ EMBED ANCHOR BOLTS AT LEAST 7". EXPANSION BOLTS MAY BE SUBSTITUTED FOR ANCHOR BOLTS WITH 4" EMBEDMENT. ALL BOLTS SHALL HAVE 3" x 3" x .229" PLATE WASHERS. INSTALL PLATE WASHERS 1/2" OR LESS FROM INSIDE FACE OF STRUCTURAL SHEATHING.
- 4) 3x STUDS OR DOUBLE STUDS NAILED TOGETHER W/ BASE PLATE NAILING ARE REQUIRED AT ABUTTING PANEL EDGES OF SW3 AND SW4. REFER TO DETAIL B. WHERE 3x STUDS ARE USED FOR SW4, STAGGER NAILS AT ADJOINING PANEL EDGES.
- ⑤ 3x FOUNDATION SILL PLATES AND 3x STUDS ARE REQUIRED FOR SW5 AND SW6. ABUTTING PANEL EDGES SHALL BE OFFSET EACH SIDE OF WALL. STAGGER NAILS AT ADJOINING PANEL EDGES.
- 6 TWO STUDS MINIMUM ARE REQUIRED AT EACH END OF ALL SHEARWALLS AND ALL END STUDS SHALL RECEIVE PANEL EDGE NAILING.
- ② ALL EXTERIOR WALLS SHALL BE SW1, UNLESS NOTED OTHERWISE.
- 8 7/16" O.S.B. MAY BE SUBSITUTED FOR 1/2" CDX.
- UTP4's MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.

PANEL EDGE NAILING OF

SHEARWALL BELOW

TJI JOISTS PER PLAN

TOP PLATE CONNECTION

- PANEL EDGE NAILING

SHEATHING PANEL JOINT

W/ PANEL EDGE NAILING

BOTTOM PLATE CONNECTION - PANEL EDGE NAILING

SEE SHEARWALL SCHEDULE FOR ALL NAILING AND

CONNECTIONS, NOT OTHERWISE NOTED

W/ 16d NAILS

① A 2x NAILER ATTACHED W/ BASE PLATE NAILING PER DETAIL A MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.

Shearwall Schedule - (Sheathed One & Two Sides)

Non-Bearing Wall

(4)8d INTO

EA. BLOCK

EA. BLOCK

(1) JOIST BAY OF

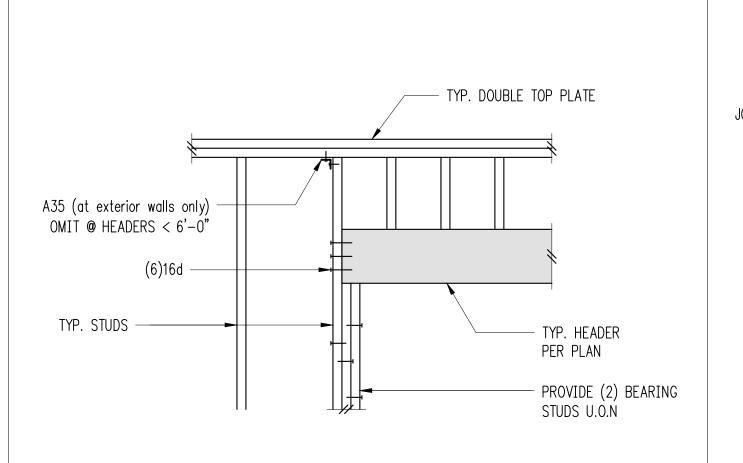
TJI BLKG. @ 48"oc

(2)16d

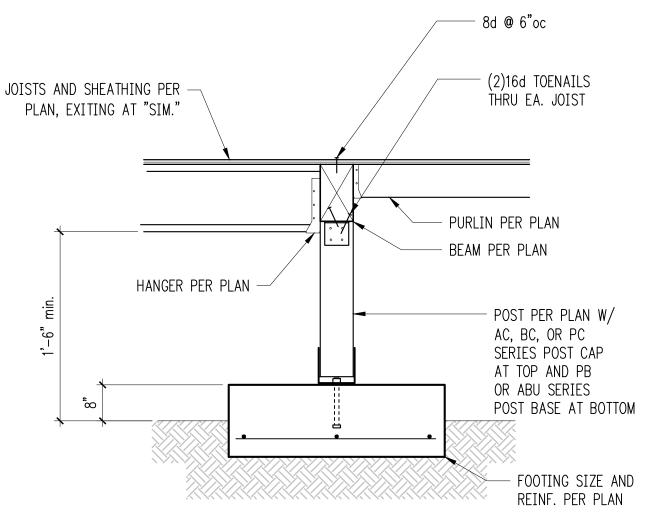
- 2x BLOCKING

Typical Shearwall Construction (w/ TJI's) 6

Typical Shearwall Intersections 10



Typical Header Support w/2 Bearing Studs



Residence 10432 Marine View Dr. Mukilteo, WA 98275 DESIGN: DRAWN: APPROVED: ARCHITECT:

PROJECT TITLE:

Zander

CTF

KLD

CTF

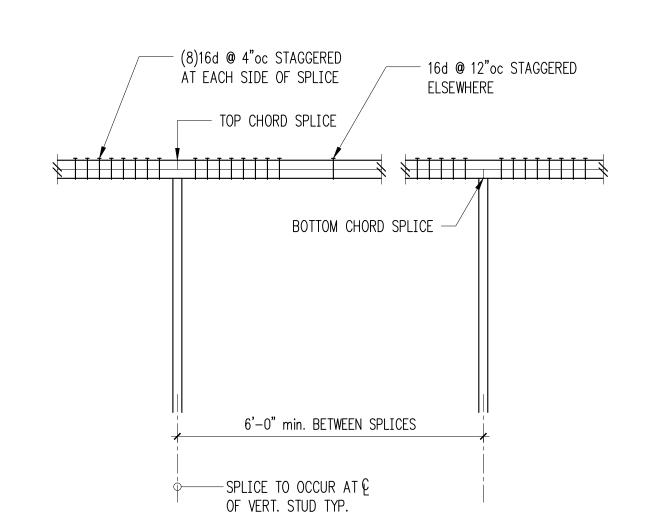
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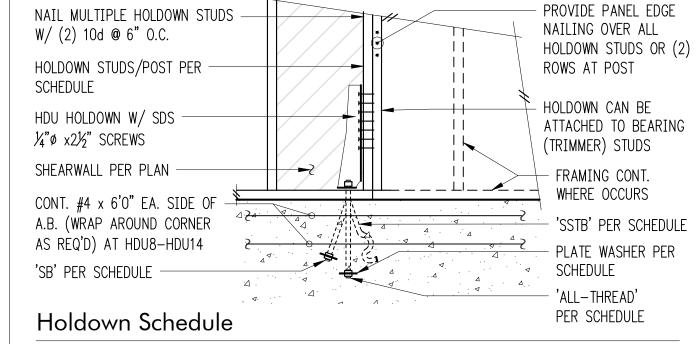
Permit

Details

3/4"=1'-0" u.n.o.

Post Footing at Crawl Space 4

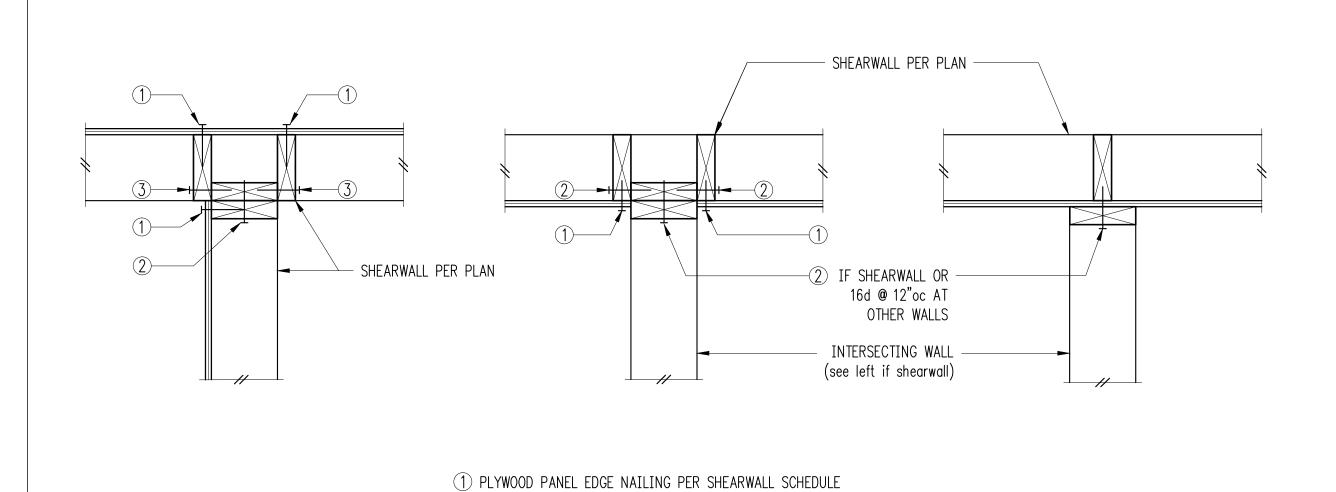




Plan Stemwall		Footing Anchor Bolt ① HD Post			Post ②		
Mark	A.B.	EMBED	ALL-THREAD	WASHER	EMBED	4x WALL	6x WALL
HDU5	%"ø−SB% x 24	18"	5⁄8"ø	½ x 1¾" SQ.	9"	4x6	l l 6x6
HDU8	1/8"ø−SB1/8 x 24	18"	7∕8"ø	½ x 2½" SQ. ¦	12"	4x6	6x6
HDU11	1"ø-SB1 x 30 ③	24"	1"ø	i% x 2¾" SQ.i	12"	4x8	6x6
HDU14	1"ø-SB1 x 30 ③	24"	1"ø	¦% x 2¾" SQ.¦	12"	4x12	6x8

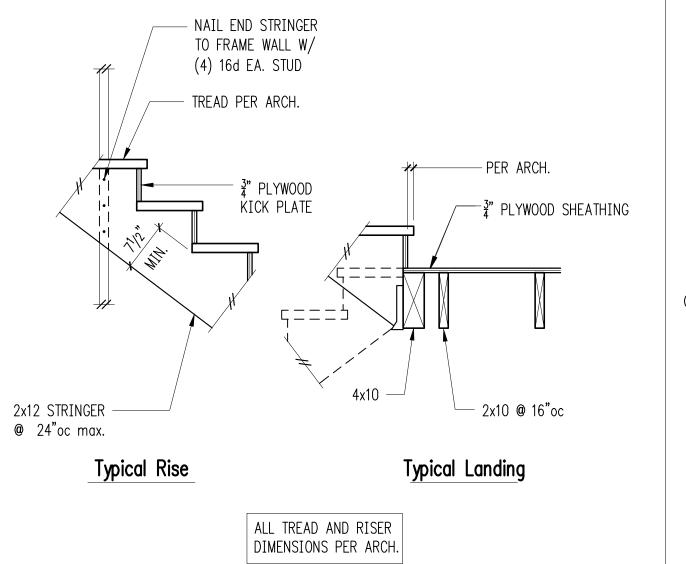
- A307 ALL-THREAD W/ PLATE WASHER PER SCHEDULE AND DOUBLE NUT BOTTOM OR EQUIVALENT SIMPSON PAB.
- MINIMUM SIZE OF POST, UNLESS NOTED OTHERWISE ON FRAMING PLANS.
- REQUIRES MINIMUM 8" THICK CONCRETE WALLS.

AT (E) FOUNDATION EMBED 14" MIN. AND EPOXY Typical HDU Holdown WITH SIMPSON SET-XP ADHESIVE



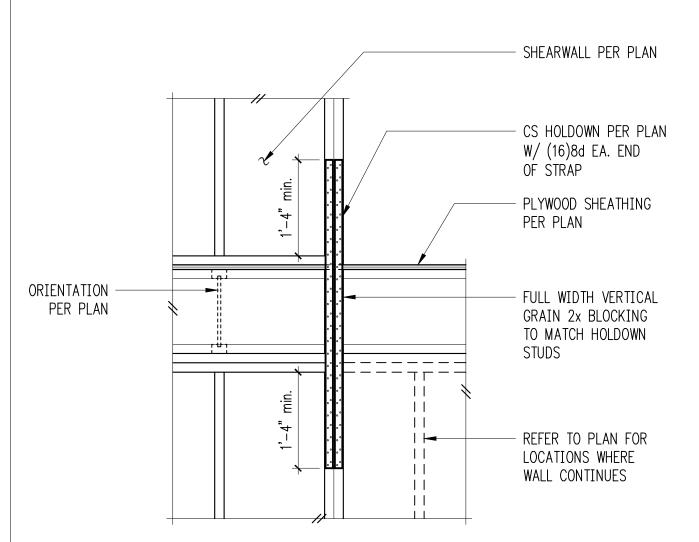
(2) BASE PLATE NAILING PER SHEARWALL SCHEDULE

③ 16d **@** 8"oc



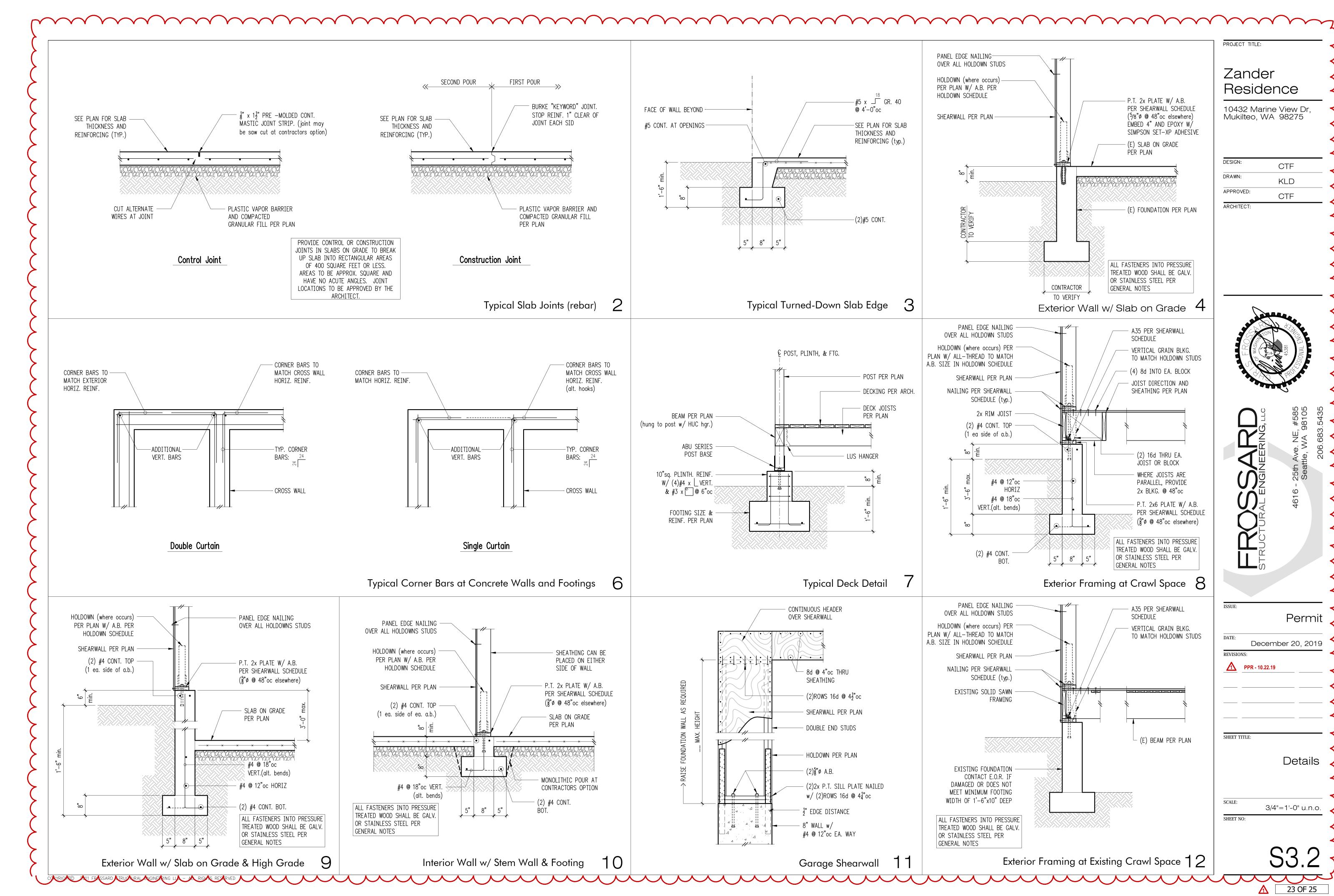
Garage Stair and Landing Detail

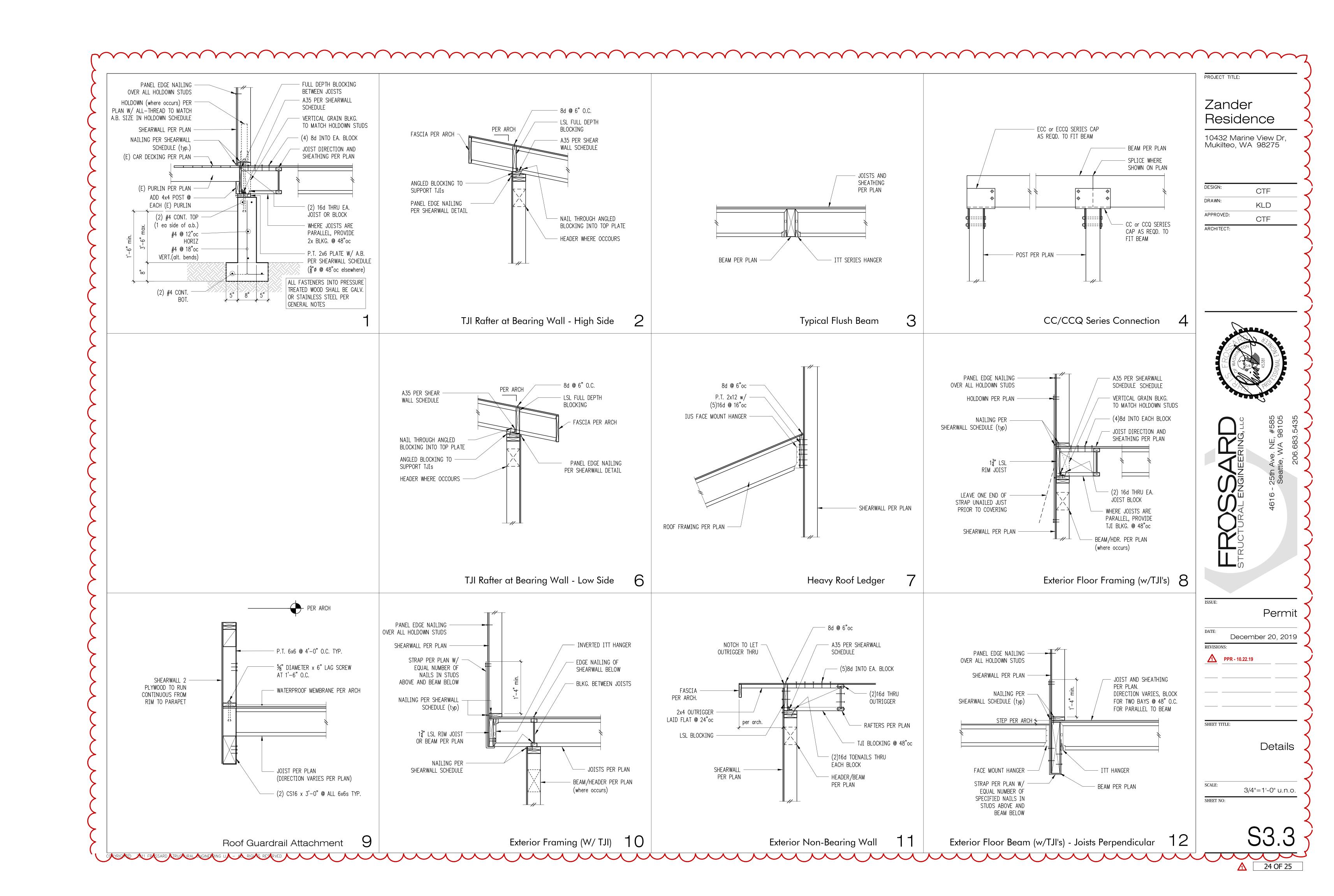
Typical Top Plate Splice

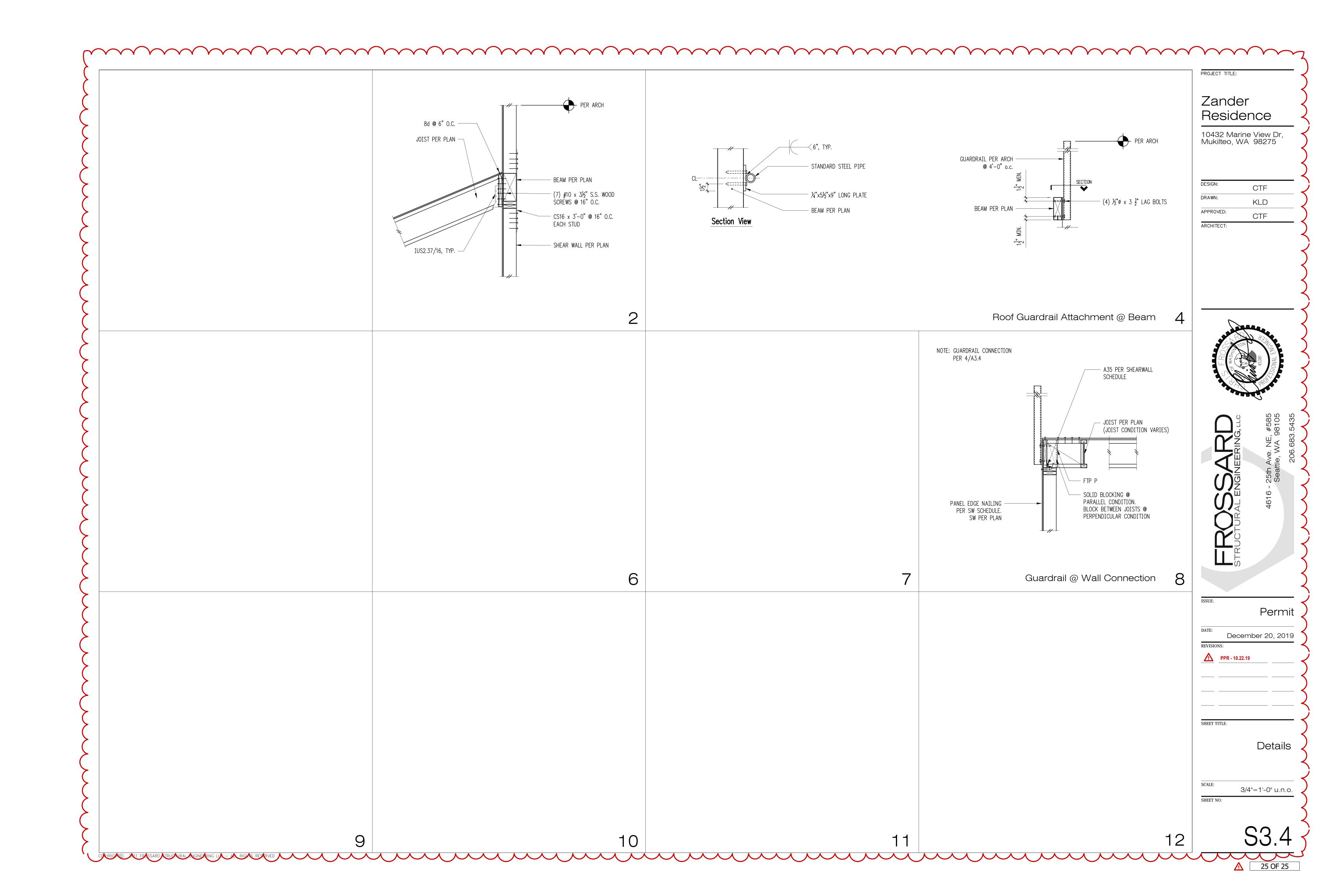


December 20, 2019 PPR - 10.22.19 SHEET TITLE:

S3.¹ Typical CS Holdown 12









RECEIVE MAR 0 4 2020
CITY OF MUKILTE

11930 Cyrus Way - Mukilteo, WA 98275

Building Height Worksheet

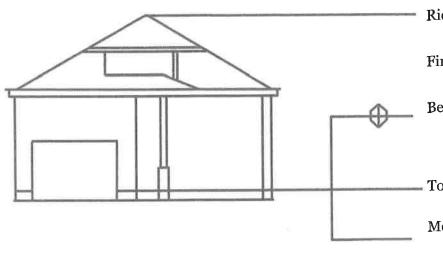
Building Location: 10432 Marine View Drive

Legal: LOT 23, BLOCK 8, CHENNAULT

BEACH SUBDIVISION NE SEC 20,

TWN 28 N, RGE 4 E, WM

Description of permanent bench mark: CATCH BASIN RIM



Ridge Height:

= 159.29'

First Floor Elevation:

= 129.48'

Bench Mark:

= 129.82'

Top of Foundation:

= 129.29'

Mean Ground Level:

= 127.25'

Calculated Height of Building = 32.04'

Mean Ground Level = 127.25'

A = 126'

Prepared By:

B = <u>128'</u>

STUDIO DEC - DANIEL CORCORAN

C = 128'

D = 127'

Note: Attach map showing bench mark and elevations of all points used to determine mean ground level or show the work on the site plan submitted. Draw the smallest rectangle that encloses all of the current or proposed building walls.

NOTICE

If the height of the building is at or within three (3) feet of the maximum height allowed of the zoning district, a certificate of mean ground level is required to be prepared by a surveyor licensed in the State of Washington prior to permit issuance and recertified prior to the framing inspection.

RECEIVED

By Sarah Kress at 10:29 am, Apr 17, 2020

MUKILTEO 11930 Cyrus Way, Mukilteo, WA 98275 (425) 263-8000 mukilteowa.gov

SOIL MANAGEMENT PLAN WORKSHEET

Site Address: 10432 Marine View Drive Mukilteo, WA 9827

Permit Number:

REQUIRED ATTACHMENTS

X	_3 original scaled site plans, as a separate sheet in Civil set, showing soil management option(s) for:
	Lawn / Turf Areas (with square footage shown)
	Planting Bed Areas (with square footage shown)
	Show on SWPPP where soil will be left undisturbed and protected during construction and/or
	where stockpile locations will be
-	_Soil test results (if proposing custom amendment rates).

LAWN / TURF AREAS

TOTAL LAWN / TURF AREAS Sq. Ft. 800.0							
SELECT TREATMENT*	X Pre-approved compost amendment 1.75" minimum required	Custom compost amendment** inches (attach soils tests and calculations)	Topsoil import 8" minimum required				
DETERMINE COMPOST/ TOPSOIL QUANTITY	1.75 inches compost / topsoil to be applied (as selected above) X 3.1 5.5 = cubic yards / 1,000 sq. ft. X						

PLANTING BED AREAS

TOTAL PLANTING BED AREAS Sq. Ft. <u>0.00</u>							
SELECT TREATMENT*	Pre-approved compost amendment 1.75" minimum required	Custom compost amendment**inches (attach soils tests and calculations)	Topsoil import8" minimum required				
DETERMINE COMPOST/ TOPSOIL QUANTITY	inches compost / topsoil to be applied (as selected above) X 3.1 = cubic yards / 1,000 sq. ft. X,000s sq. ft. (Total Lawn/Turf Areas above) = TOTAL CUBIC YARDS						
MULCH QUANTITY	inches mulch to be applied (minimum 2") X 3.1 = cubic yards / 1,000 sq. ft. X,000s sq. ft. = TOTAL CUBIC YARDS						



SOIL MANAGEMENT PLAN WORKSHEET

Site Address: 10432 Marine View Drive Mukilteo, WA 9827
Permit Number:

*For previously graded sites, soils shall require custom amendment or topsoil import.

TOTAL SOIL CALCULATIONS FOR ENTIRE SITE

Pre-Approved Compost Amendment Quantity: 4.5 cu. yds. Specific product and supplier: Compost Amendment soil from Pacific Top Soils.			
Custom Compost Amendment** Test Results Required to be Attached Specific product and supplier	Quantity: cu. yds.		
Mulch Specific product and supplier	Quantity:cu. yds.		

- 1. Pre-Approved Compost Amendment must:
 - a. Meet the definition for "composted materials" in WAC 173-350, section 220;
 - b. Have organic matter content of 35%-65%, and a carbon to nitrogen ratio below 25:1;
 - c. The carbon to nitrogen ratio may be as high as 35:1, if plantings are entirely native to Puget Sound lowland regions.
- 2. Custom compost amendment calculations must be provided by a qualified professional to meet organic content requirements. Qualified professionals include licensed Landscape Architects, Civil Engineers or Geologists; certified Agronomists, Soil Scientists, or Crop Advisors.

RETAIN YOUR RECEIPTS

Keep your receipts for all imported soils and mulch. You will be required to verify material type and quantity prior to Permit Final.



HOW TO DEVELOP A SOIL MANAGEMENT PLAN

HOW TO DETERMINE SOIL AMENDMENT, TOPSOIL AND MULCH NEEDS

These specifications are designed to achieve the required 8 inch depth of soil with 10% "Soil Organic Matter" (SOM) content in planting beds, and 5% organic content in lawn/turf areas.

STEP 1. Review site conditions, landscape and grading plans.

Determine if subsoil can be easily amended or if compaction will require subsoil plowing or topsoil import. Identify areas that can be left undisturbed, and where soil can be stockpiled, amended and reapplied after grading. Compacted subsoils must be scarified before applying amendments or topsoil.

STEP 2. Select a soil management option for each planting area.

Choose soil management options from the chart below for each landscape area within your proposed area of disturbance. You can use more than one option on a site!

STEP 3. Calculate compost and/or topsoil volumes for each area.

Use the formulas on the Soil Management Plan Worksheet to calculate the cubic yards of compost, topsoil and mulch needed.

STEP 4. Identify compost and/or topsoil to be applied and retain records.

Compost used as amendment or in topsoil mixes must be <u>weed-free</u> and supplied by a permitted composting facility (see list of <u>compost facilities at https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Organic-materials/Managing-organics-compost). Include name of product and supplier in "Total Soil Calculations For Entire Site" on the Soil Management Plan Worksheet.</u>

STEP 5. Turn in completed Soil Management Plan Worksheet with Site Plan for review and approval.

Page 2



HOW TO DEVELOP A SOIL MANAGEMENT PLAN

Soil Management Options	Soil Management Specifications					
	Using pre-approve	Using Custom Amendment Rates*				
	Lawn/Turf	Planting Beds	Lawn/Turf or Planting Beds			
Option 1 Leave native soil undisturbed, protect from compaction.	Not applicable – Undisturbed native soils do not require soil amendment	Not applicable – Undisturbed native soils do not require soil amendment	Not applicable – Undisturbed native soils do not require soil amendment			
Soils that have been cleared and graded, and not covered by hard surfaces or developed as storm water structures, must be restored to 8 inches settled depth, using one of the following 3 options:						
Option 2 Scarify to depth yielding 12" uncompacted soils. Amend soil in place.	Rototill 1.75 inches of compost into 6.25 inches soil (9.5" unsettled; 8" settled depth)	Rototill 3 inches of compost into 5 inches of soil (9.5" unsettled; 8" settled depth)	Test soils for organic content. Applicant shall provide soil calculations Rototill calculated amount of compost to achieve 8 inches of settled soil depth, at 5% organic for lawn/turf and 10% organic for planting beds.			
Option 3 Stockpile site soil and cover with weed barrier. Scarify to depth yielding 12" uncompacted soils. Reapply, and amend in place.	Reapply stockpiled soil. Rototill 1.75 inches of compost into 6.25 inches soil (9.5" unsettled; 8" settled depth)	Reapply stockpiled soil. Rototill 3 inches of compost into 6.25 inches soil (9.5" unsettled; 8" settled depth)	Reapply stockpiled soil. Rototill calculated amount of compost to achieve 8 inches of settled soil depth, at 5% organic for lawn/turf and 10% organic for planting beds. Applicant shall provide soil calculations			
Option 4 Scarify to 6"depth. Import topsoil containing adequate organic amendment.	Topsoil must be 5% organic matter (~25% compost). Soil portion is sand or sandy loam as defined by USDA. Place 3" topsoil on surface and till into 2" soil. Place second lift of 3" topsoil and mix on surface.	Topsoil must be 10% organic matter (~40% compost). Soil portion is sand or sandy loam as defined by USDA. Place 3" topsoil on surface and till into 2" soil. Place 3" topsoil on surface and till into 2" soil. Place second lift of 3" topsoil, mix on surface.	Not applicable			