Jub 288-9650 @gmail.com ON COURT NE VA. 98056-2766 D6) 612-8511 WILLIAM M. GOTTLIEB Joran Mione.biz NSULTING STRUCTURAL EN 255 , WA 98008 25) 351-5999 ALI GASSIMIKIA gmail.com USTOM HOMES, LLC. AVENUE SE VA 98057 D6) 513-4242 NEVIN MIDDLETON iniercustomhomes.com 2K1 EOTECHNICAL ASSOCIATES TAVENUE NE 10 LLE, WA 98072 669 KHAL SHAWISH ongeotech.com JUSTIN JONES, PE 066 VA 98390 020 JUSTIN JONES, PE 066 VA 98390 020 JUSTIN JONES pam.com JTIONS LAKE AVENUE N WA 98109 670 JOSH PETTER olutions.net ERCER ISLAND ERCER ISLAND	SSMH RIM=180.51' IE(N,S4E) 6"CONC (C.C.) NGINEERS	EXI EXI So EXI DES	AE3 CATES AREA OF NON- IGNATED WETLAND INCH DRAIN INCH DRAIN I
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SLAND, WA			
THE SOUTH HALF OG THE N TER OF SECTION 19, TOWN LOWS:	NORTHWEST QUARTER OF T NSHIP 24 NORTH, RANGE 5 E.	ΓΗΕ AST, W.M.	RIM=180.84' IE(N4S) 8"CONC=170.84'(C.
E EAST LINE OF SAID SUBDI' THE POINT OF BEGINNING, ^ 24' 27" EAST 115 FEET; ^ 35' 33" EAST 150 FEET; ^ 24' 27" WEST 107.05 FEET, WEST MERCER WAY; _Y ALONG SAID LINE 150 FE	VISION, DISTANT NORTH 00^ MORE OR LESS, TO EET, MORE OR LESS TO THE WASHINGTON.	^ 02' 27" WEST	
R WAY A 98040			
ACRE)			
ACRE)			
			30.65' N 88°09'54" Ⅱ
VELING			
9.16			No Vin
	LOWS: EAST LINE OF SAID SUBDI THE POINT OF BEGINNING, 24' 27" EAST 115 FEET; 35' 33" EAST 150 FEET; 24' 27" WEST 107.05 FEET, WEST MERCER WAY; Y ALONG SAID LINE 150 FE UNTY OF KING, STATE OF V WAY A 98040 ACRE) ACRE) ACRE) ACRE) VIDED WITH AN YSTEM MEETING 13R AND ALSO A A AND ALSO A	LOWS: EAST LINE OF SAID SUBDIVISION, DISTANT NORTH 00: THE POINT OF BEGINNING, 24' 27" EAST 115 FEET; 35' 33" EAST 150 FEET; 24' 27" WEST 107.05 FEET, MORE OR LESS, TO WEST MERCER WAY; Y ALONG SAID LINE 150 FEET, MORE OR LESS TO THE UNTY OF KING, STATE OF WASHINGTON. WAY A 98040 ACRE) ACRE) ACRE) VELING 0.16 NOTE VIDED WITH AN YSTEM MEETING 13R AND ALSO A	LOWS: EAST LINE OF SAID SUBDIVISION, DISTANT NORTH 00^ 02' 27" WEST THE POINT OF BEGINNING, 24' 27" EAST 115 FEET; 35' 33" EAST 150 FEET; 24' 27" WEST 107.05 FEET, MORE OR LESS, TO WEST MERCER WAY; Y ALONG SAID LINE 150 FEET, MORE OR LESS TO THE TRUE POINT UNTY OF KING, STATE OF WASHINGTON. WAY A 98040 ACRE) ACRE) ACRE) VIDED WITH AN YSTEM MEETING, 13R AND ALSO A ALADM DED



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/ <u>1</u> MARK	ELEVATIION	WALL LENGTH	ELEV X LENGTH				
Α	195.27	22.00'	4295.94				
В	198.00	25.00'	4950.00				
С	199.70	10.00'	1997.00				
D	202.21	19.00'	3841.99				
E	205.00	26.00'	5330.00				
F	204.57	6.00'	1227.42				
G	203.10	18.00'	3655.80				
Н	201.27	17.00'	3421.59				
I	199.80	8.50'	1698.30				
J	196.71	16.00'	3147.36				
К	196.67	2.00'	393.34				
L	196.67	2.50'	491.68				
М	196.89	11.00'	2165.79				
Ν	197.04	2.50'	492.60				
0	195.47	13.50'	2638.85				
Р	196.89	2.50'	492.23				
Q	195.47	23.25'	4544.68				
R	193.72	26.58'	5149.08				
ΤΟΤΑ	TOTALS 251.33 49933.43						
AVERAGE ELEVATION FORMULA = 49933.43 / 251.33 AVERAGE ELEVATION = 198.68							

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### FIRE BLOCKING NOTES

- PROVIDE FIRE BLOCKING PER 2018 IRC AND/OR AS FOLLOWS:
- a) IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES , AT THE CEILING AND FLOOR LEVELS AND AT 10' I NTERVALS BOTH VERTICAL AND HORIZONTAL.
- b) AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
- c) IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN AND BETWEEN STUDS ALONG AND IN LINE WITH THE RUN OF STAIRS
- d) IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SIMILAR OPENINGS THAT AFFORD A PASSAGE FOR FIRE AT FLOOR AND CEILING LEVELS, WITH NON-COMUSTIBLE MATERIALS.
- e) AT OPENINGS BETWEEN ATTIC SPACES AND CHIMNEY CHASES FOR FACTORY BUILT CHIMNEYS.

### INDOOR AIR QUALITY

- 1. VENTILATION PER IRC M1507
- 2. ALL EXHAUST DUCTS TO MEET REQUIREMENTS
- 3. SOURCE SPECIFIC VENTILATION CONTROLLED BY MANUAL SWITCHES AND/OR TIMERS
- 4. PROVIDE VENTILATION CONTROLS PER IRC M1507.3.2
- 5. VENTILATION REQUIREMENTS PER IRC M1507.3.3. FLOOR AREA = 2585 SF, 3 BEDROOMS = 60 CFM AIRFLOW REQUIRED (4) PANASONIC FV-GKF32S1 FRESH AIR INLETS @ 18 CFM= 72 CFM PROVIDED
- 6. WHOLE HOUSE VENTILATION TO BE PROVIDED BY LOCAL EXHAUST FAN PER IRC M1507.3.4. WHOLE HOUSE FAN TO BE ENERGY EFFICIENT AT .35 WATTS PER CFM.

### **FLOOR PLAN NOTES** WHEN AND WHERE APPLICABLE

- 1. EXTERIOR WALL FRAMING TO BE 2 X 6 NO.2 HF STUDS AT 16" OC U.N.O.
- 2. INTERIOR WALL FRAMING TO BE 2 X 4 NO. 2 HF STUDS AT 16" OC U.N.O.
- 3. INTERIOR WALL FINISH TO BE 1/2" GYPSUM BOARD U.N.O.
- 4. ALL FRAMING HARDWARE TO BE "SIMPSON" OR EQUAL.
- 5. EXTERIOR WALL SHEATHING TO BE 7/16" OSB APA RATED PANELS. PROVIDE BLOCKING AND 8d NAILS AT 6" OC AT ALL PANEL EDGES U.N.O. NAILING TO TOP PLATE OR TOENAILING TO JOISTS SHALL BE 8d NAILS AT 6" OC OR TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS AT 4'-0" OC U.N.O.
- 6. CRAWL SPACE OR ATTIC ACCESS HATCH TO BE INSULATED TO TO THE SAME VALUE AS THAT OF THE SURFACE IN WHICH IT IS LOCATED AND WEATHERSTRIPPED.
- 7. INSULATE PER PLAN AND SECTIONS.
- 8. ALL HEADERS AND BEAMS TO BE (2) 2 X 8 U.N.O.
- 9. ALL POSTS AND COLUMNS SHALL BE DOUBLE STUD MINIMUM U.N.O. WITH THE BEAM OR HEADER BEARING FULLY ON THE POST OR COLUMN.
- 10. FLOOR SHEATHING SHALL BE 23/32" 'STURD-I-FLOOR' WITH A PANEL INDEX OF 40/20. NAIL TO FRAMING WITH 8d COMMON NAILS AT 4" OC AT PANEL EDGES AND 12" OC IN THE FIELD U.N.O.
- 11. ALL ANCHOR BOLTS AT FOUNDATION SILL SHALL HAVE MIN 3" X 3" X 1/4" PLATE WASHERS.
- 13. INSULATE ABOVE GRADE EXTERIOR 2 X 6 WALLS TO MIN R-21
- 14. INSULATE ABOVE GRADE EXTERIOR 2 X 4 WALLS TO MIN R-13
- 15. INSULATE BELOW GRADE EXTERIOR WALLS TO MIN R-21 ON THE EXTERIOR OR R-21 ON THE INTERIOR.
- 16. INSULATE CEILINGS WITH ATTIC SPACE ABOVE TO MIN R-49
- 17. INSULATE CEILINGS AT SLOPED AREAS TO MIN R-3
- 18. INSULATE CEILINGS AT UNHEATED SLOPED AREAS TO MIN R-30
- 19. INSULATE FLOORS ABOVE UNHEATED AREAS TO MIN R-30
- 20. EXTERIOR DOORS TO BE MIN 'U' VALUE OF 0.20
- 21. VERTICAL GLAZING TO BE MIN 'U' VALUE OF 0.28
- 22. HORIZONTAL GLAZING TO BE MIN 'U' VALUE OF 0.50
- 23. WALL FINISH AT TUB AND/OR SHOWER SURROUNDS TO EXTEND A MIN OF 6'-0" ABOVE FIN FLR.
- 24. ALL OVERHEAD GLAZING TO BE OF TEMPERED SAFETY GLASS (TSG)
- 25. SMOKE DETECTORS TO BE HARD WIRED WITH BATTERY BACK-UP
- 26. WHERE OPERABLE WINDOWS ARE MORE THAN 6'-0" ABOVE OUTSIDE GRADE THE OPENABLE PORTION OF THE WINDOW TO BE MINIMUM OF 2'-0" ABOVE THE INTERIOR WALKING SURFACE PER R613.2
- 27. WATERPROOF DECKS TO BE SLOPED AT 1/4" PER FT AS INDICATED.
- 28. PROVIDE HIGH EFFICIENCY LIGHTING CONTROLS FOR ALL EXTERIOR LIGHTING PER WSEC 505.3, CH 2.
- 29. A MINIMUM OF 75% OF LUMINAIRES MUST BE HIGH EFFICACY LUMINAIRES.
- 30. PROVIDE APPROVED CARBON MONOXIDE DETECTOR OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS AND ON EACH LEVEL OF THE DWELLING.
- 31. FASTENERS, INCLUDING NUTS AND WASHERS, IN CONTACT WITH PRESERVATIVE-TREATED WOOD SHALL BE OF HOT-DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER.
- 32. GUARDRAIL TO SUPPORT 200 LB CONCENTRATED LOAD ON TOP AND 50 PSF ON INFILL COMPONENTS (TYP)



### **ENERGY CODE NOTES**

- 1. EACH DWELLING UNIT IS TO BE PROVIDED WITH AT LEAST ONE PROGRAMMABLE THERMOSTAT FOR THE REGULATION OF TEMPERATURE.
- 2. BUILDING AIR LEAKEAGE TESTING, DEMONSTRATING THE SPECIFIC LEAKAGE AREA IS LESS THAN OR EQUAL TO 0.3 CFM, IS REQUIRED PRIOR TO FINAL INSPECTION. THE TEST RESULTS SHALL BE POSTED ON THE 'RESIDENTIAL ENERGY COMPLIANCE CERTIFICATE.'
- 3. DUCT LEAKAGE TEST RESULTS SHALL BE PROVIDED TO THE BUILDING INSPECTOR AND HOMEOWNER PRIOR TO AN APPROVED FINAL INSPECTION.
- 4. A 'RESIDENTIAL ENERGY COMPLIANCE CERTIFICATE' COMPLYING WITH SEC 105.4 IS REQUIRED TO BE COMPLETED BY THE DESIGN PROFESSIONAL OR BUILDER AND PERMANENTLY POSTED WITHIN 3 FEET OF THE ELECTRICAL PANEL PRIOR TO FINAL INSPECTION.
- 5. 1.0 ENERGY CREDIT FUEL NORMALIZATION DESCRIPTION:
- (OPTION 1- 1.0 CREDIT) HEAT PUMP
- 6.0 ENERGY CREDIT OPTION DESCRIPTIONS:

(OPTION 1.4 - 1.0 CREDIT) EFFICIENT BUILDING ENVELOPE: VERTICAL FENESTRATION U= 0.25, WALL INSULATION R-21 PLUS R-4, FLOOR R-38, SLAB ON GRADE R-10 PERIMETER AND UNDER ENTIRE SLAB, BELOW GRADE SLAB R-10 PERIMETER AND UNDER ENTIRE SLAB.

(OPTION 2.2 - 1.0 CREDIT) COMPLIANCE BASED ON SECTION R402.1.2: REDUCE TESTED AIR LEAKAGE TO 2.0 AIR CHÁNGES PER HOUR MAXIMUM OR 50 PASCALS.

(OPTION 3.6 - 2.0 CREDITS) DUCTLESS SPLIT SYSTEM HEAT PUMPS WITH NO ELECTRIC RESISTANCE HEATING IN PRIMARY LIVING AREAS. A DUCTLESS HEAT PUMP SYSTEM WITH A MINIMUM HSPF OF 10 SHALL BE SIZED AND INSTALLED TO PROVIDE HEAT TO THE ENTIRE DWELLING UNIT AT THE DESIGN OUTDOOR AIR TEMPERATURE.

(OPTION 5.2-0.5 CREDITS) EFFICIENT WATER HEATING: ENERGY STAR RATED GAS, OR PROPANE WATER HEATER WITH A MINIMUM UEF OF 0.80

(OPTION 7.1-0.5 CREDITS) APPLIANCE PACKAGE: ALL OF THE FOLLOWING APPLIANCES SHALL BE NEW AND INSTALLED IN THE DWELLING UNIT AND SHALL MEET THE FOLLOWING STANDARDS: DISHWASHER - ENERGY STAR RATED **REFRIGERATOR - ENERGY STAR RATED** WASHING MACHINE - ENERGY STAR RATED

DRYER - ENERGY STAR RATED, VETLESS DRYER WITH MINIMUM CFE RATING OF 5.2

- 6. PER WSEC R403.3, DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED AND LEAK TESTED
- 7. BLOWER DOOR TESTING- AR LEAKAGE SHALL NOT EXCEED 3.0 AIR CHANGES PER HOUR, AND SHALL BE TESTED PER SEC R402.1.2. PROVIDE A WRITTEN REPORT OF THE TEST RESULTS, SIGNED BY THE TESTING PARTY, TO THE BUILDING INSPECTOR, PRIOR TO APPROVED FINAL INSPECTION.
- 8. THE DESIGN PROFESSIONAL OR BUILDER SHALL COMPLETE AND POST A "INSULATION CERTIFICATE FOR RESIDENTIAL CONSTRUCTION" WITHIN 3 FEET OF THE ELECTRICAL PANEL PRIOR TO FINAL INSPECTION.
- 9. THE DESIGN PROFESSIONAL OR BUILDER SHALL COMPLETE AND POST A "INSULATION CERTIFICATE FOR RESIDENTIAL CONSTRUCTION" WITHIN 3 FEET OF THE ELECTRICAL PANEL PRIOR TO FINAL INSPECTION.
- 10. RECESSED CAN LIGHTS ARE TO BE TYPE 1C RATED AND SEALED.
- 11. PER WEC 402.4, THE BUILDING THERMAL ENVELOPE SHALL BE CONSTRUCTED TO LIMIT AIR LEAKAGE IN ACCORDANCE WITH THE REQUIREMENTS OF SEC R402.1.1 THROUGHT R402.4.4.
- 12. PER 4403.2.2, DUCTS, AIR HANDLERS AND FILTER BOXES SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH EITHER THE IMC OR IRC AS APPLICABLE.

### WHOLE HOUSE FAN NOTES

VENTILATION REQUIREMENTS PER IRC M1507.3.3 FLOOR AREA = 3203 SF, 4 BEDROOMS = 90 CFM

- 1. PROVIDE A CENTRALLY LOCATED WHOLE HOUSE EXHAUST FAN WITH A MINIMUM SONE RATING OF 1.5 AND MINIMUM CAPACITY OF 100CFM AND CONNECTED TO AN AUTOMATIC CONTROL TIMER.
- 2. AN AUTOMATIC CONTROL CLOCK TIMER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION. THE TIMER SHALL BE CAPABLE OF CONTINOUS OPERATION AND HAVE AN AUTOMATIC AND MANUAL CONTROL. THE TIMER SHALL BE SET TO OPERATE THE WHOLE HOUSE FAN FOR A MINIMUM OF 8 HOURS.
- 3. INTERIOR DOORS SHALL BE UNDERCUT A MINIMUM OF 1/2" ABOVE THE FINISHED FLOOR.
- 4. FRESH AIR INTAKE DUCT TO BE MINIMUM 7" DIAMETER SMOOTH PIPE FOR A MAXIMUM LENGTHE OF 20' AND A MAXUMUM OF 3 ELBOWS.
- 5. FRESH AIR INLET TO BE INSULATED TO A MINIMUM OF R-4 WITHIN HEATED AREAS.
- 6. FRESH AIR INLET TO BE PROTECTED FROM THE ENTRY OF INSECTS, LEAVES AND OTHER MATERIAL
- 7. FRESH AIR INLET NOT TO BE LOCATED AS FOLLOWS:
- A. WITHIN 10' OF AN APPLIANCE OUTLET UNLESS THE VENT OUTLET IS A MINIMUM OF 3' ABOVE THE FRESH AIR INLET.
- B. WHERE IT WILL PICK UP OBJECTIONABLE ODORS, FUMES OR FLAMABLE VAPORS. C. A HAZARDOUS OR UNSANITARY LOCATION.
- D. A ROOM OR SPACE HAVING FUEL BURNING APPLIANCES WITHIN. E. CLOSER THAN 10' FROM A VENT OPENING OF A PLUMBING DRAINAGE
- SYSTEM UNLESS THE VENT OPENING IS AT LEAST 3' ABOVE THE FRESH AIR INLET. F. IN AN ATTIC, CRAWL SPACE OR GARAGE.
- 4. THE EXHAUST DUCT SHALL TERMINATE OUTSIDE THE BUILDING AND BE EQUIPPED WITH A BACK-DRAFT DAMPER. THE EEXHAUST DUCT IN UNCONDITIONED SPACES SHALL BE INSULATED TO A MINIMUM OF R-4.



16

12



**UPPER LEVEL FLOOR PLAN** 





SEE SHEETS NOS. S-1, S-7 & S-8 FOR SHEAR WALL SCHEDULE, PLANS, AND GENERAL NOTES

BELOW







CONTINOUS RIDGE VENT (TYP)



















SOLDIER PILE WALL

+208













### **GLAZING SCHEDULE:**

ALL GLAZING TO BE NEW, INSULATED, LOW E-366 GLASS. 'U' VALUES SHOWN ARE NFRC CERTIFIED VALUES. ALL DOOR GLAZING AND GLAZING WITHIN 2'-0" OF AN EXTERIOR DOOR SHALL BE TEMPERED SAFETY GLASS. TOTAL CONDITIONED FLOOR AREA = 3203.0 SQ. FT. TOTAL GLAZING AREA = 817.3 SQ. FT. = 19.2 %

AREA WEIGHTED AVERAGE 'U' VALUE = 0.280

ROOM	DESCRIPTION				TOTAL SO FT		τοται 'ιι'	COMMENTS		
						0.25				
		3'-6" X 8'-0"	28.0		28.0	0.25	7.0	I OW E-366 GLASS-TEMPERED SAFETY GLASS		
			17.5		25.0	0.25	0.3	LOW E-366 GLASS		
BATHROOM 3	JELD-WEN PREMIUM INSULATED VINTL CASEMENT WINDOW		6.0		6.0	0.25	4.4	LOW E-366 GLASS-TEMPERED SAFETY GLASS		
			16.5		22.0	0.25	1.5			
		2'-9" X 6'-0"			33.0	0.25	8.3	LOW E-366 GLASS		
		5'-6" X 6'-0"		1	33.0	0.25	8.3	LOW E-366 GLASS		
		2'-9" X 2'-0"	5.5	2	11.0	0.25	2.8	LOW E-366 GLASS		
	JELD-WEN PREMIUM INSULATED VINYL FIXED WINDOW	5'-6" X 2'-0"	11.0	1	11.0	0.25	2.8	LOW E-366 GLASS		
DINING ROOM	SIMPSON 5001 INSUL GL 1 LITE FRENCH DOOR	6'-0" X 8'-0"	48.0		48.0	0.25	12.0	LOW E-366 GLASS-DOUBLE HUNG-TEMPERED SAFETY GLASS		
	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	3'-0" X 6'-0"	18.0	2	36.0	0.25	9.0	LOW E-366 GLASS-TEMPERED SAFETY GLASS		
	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 6'-0"	15.0	2	30.0	0.25	7.5	LOW E-366 GLASS		
KITCHEN	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-0" X 4'-6"	9.0	2	9.0	0.25	2.3	LOW E-366 GLASS		
	JELD-WEN PREMIUM INSULATED VINYL FIXED WINDOW	4'-0" X 4'-6"	18.0	1	18.0	0.25	4.5	LOW E-366 GLASS		
MUD ROOM	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 5-0"	12.5	2	25.0	0.25	6.3	LOW E-366 GLASS-TEMPERED SAFETY GLASS		
STAIRWELL	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	3'-0" X 6'-0"	18.0	1	18.0	0.25	4.5	LOW E-366 GLASS-TEMPERED SAFETY GLASS		
HALLWAY	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 4'-6"	11.3	2	22.6	0.25	5.7	LOW E-366 GLASS		
	JELD-WEN PREMIUM INSULATED VINYL FIXED WINDOW	2'-0" X 2'-0"	4.0	3	12.0	0.25	2.7	LOW E-366 GLASS		
MASTER BEDROOM	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	3'-0" X 5'-0"	15.0	3	45.0	0.25	11.3	LOW E-366 GLASS		
	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 5'-0"	12.5	2	25.0	0.25	6.3	LOW E-366 GLASS		
MASTER CLOSET	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 4'-0"	10.0	1	10.0	0.25	2.5	LOW E-366 GLASS	C C	OMPOSITION SHINGLES
MASTER BATH	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 5'-0"	12.5	2	25.0	0.25	6.3	LOW E-366 GLASS-TEMPERED SAFETY GLASS		
BEDROOM 2	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 5'-0"	12.5	3	37.5	0.25	9.4	LOW E-366 GLASS		
BATHROOM 2	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 4'-6"	11.3	2	22.6	0.25	5.7	LOW E-366 GLASS-TEMPERED SAFETY GLASS	APA RATED SHEATHING	
BEDROOM 3	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 5'-0"	12.5	2	25.0	0.25	6.3	LOW E-366 GLASS		8
BONUS ROOM	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	3'-0" X 5'-0"	15.0	1	15.0	0.25	3.8	LOW E-366 GLASS		
	JELD-WEN PREMIUM INSULATED VINYL DOUBLE HUNG WINDOW	2'-6" X 4'-6"	11.3	2	22.6	0.25	5.7	LOW E-366 GLASS		
LAUNDRY	VELUX INSULATED ROOF WINDOW	2'-0" X 2'-0"	4.0	1	4.0	0.50	2.0		FASCIA PER ELEVATIONS	1:1000000000000000000000000000000000000
					614.7		144.4			
I	NOTE: 4" OPENING LIMIT CONTROL CONFORMI	NG WITH /	ASTM-F2	:090						<u> </u>
									CONTINOUS SOFFIT/	1/2" GYP BOARD (T
										R-21 BATT INSUL (







BUILT-UP WOOD COLUMN

PORCH BEAM PER PLAN

LINE OF EXISTING GRADE (TYP) -

\_\_\_\_\_204

FINISH GRADE (TYP)

CONTINOUS SOFFIT VENT (TYP)







SHEET NO.



# ATTIC VENTILATION HIGH ROOF

AREA TO BE VENTED	
VENTILATION REQUIRED	
2070 X 144/150 =	

DS

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8:12

do l

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8:12

6; **7**2

VENTILATION PROVIDED (102) LF CONTINOUS SOFFIT VENT AT 12.63 SQ. IN. PER FT

80 LF CONTINOUS RIDGE VENT AT 13.5 SQ. IN. PER L/F TOTAL VENTILATION PROVIDED

2070 SQ. FT. 1987 SQ. IN. 1288 SQ. IN. 1377 SQ. IN. 2665 SQ. IN.

8.72

\_DS(

4:12

С.  8:12

8:12

7-1/2:12

7-1/2:12

SKYLIGHT -

# ATTIC VENTILATION

\_ \_ \_ \_

12

AREA TO BE VENTED	442 SQ. FT.
VENTILATION REQUIRED 442 X 144/150 =	424 SQ. IN.
VENTILATION PROVIDED (46) LF CONTINOUS SOFFIT VENT AT 9 SQ. IN. PER LF	414 SQ. IN.
(18) LF CONTINOUS RIDGE VENT AT 13.5 SQ. IN. PER LF	243 SQ. IN.
(7) LF CONTINOUS ROOF-TO- WALL VENT AT 6.75 SQ. IN. PER LF	47 SQ. IN.
TOTAL VENTILATION PROVIDED	704 SQ. IN.



AIR VENT SOFFIT VENT 9.0 SQ. IN. PER LF DECOMESH 2-1/2" SOFFIT VENT 12.63 SQ. IN. PER LF COR-A-VENT V-300 RIDGE VENT 13.5 SQ. IN. PER LF COR-A-VENT ROOF-2-WALL VENT 6.75 SQ. IN. PER LF

# ATTIC VENTILATION FRONT PORCH ROOF

# AREA TO BE VENTED VENTILATION REQUIRED 200 X 144/150 = VENTILATION PROVIDED (36) LF CONTINOUS SOFFIT VENT AT 9 SQ. IN. PER LF (36) LF CONTINOUS ROOF TO WALL VENT AT 6.75 SQ. IN. PER LF TOTAL VENTILATION PROVIDED

# ATTIC VENTILATION WEST LOW ROOF

200 SQ. FT.	AREA TO BE VENTED	25 SQ. FT.
192 SQ. IN.	VENTILATION REQUIRED 25 X 144/150 =	24 SQ. IN.
324 SQ. IN.	VENTILATION PROVIDED (12) LF CONTINOUS SOFFIT VENT AT 9 SQ. IN. PER LF	108 SQ. IN.
243 SQ. IN	(6) LF CONTINOUS ROOF TO WALL VENT AT 6.75 SQ. IN. PER LF	41 SQ. IN
567 SQ. IN.	TOTAL VENTILATION PROVIDED	149 SQ. IN.

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DATE BY REVISIONS	12/08/2022 REVISION ①
PROPOSED NEW RESIDENCE FOR:	EDWARD & CATHERINE MORAN WEST MERCER WAY MERCER ISLAND, WA 98040
PLAN ONE	FINE HOME DESIGN 512547th Avenue S Seattle, Washington 98118 (206)612-8511 www,planone.biz
DRAWN V DATE APRI PLAN N SHEET	N BY WMG L 25, 2022 IO. NO.





# MAIN LEVEL REFLECTED CEILING PLAN

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DATE BY REVISIONS	
PROPOSED SINGLE FAMILY RESIDENCE FOR:	EDWARD & CATHERINE MORAN 4882 FOREST AVENUE SE MERCER, ISLAND, WA
<b>PLAN ONE</b>	FINE HOME DESIGN 5125 47th Avenue S Seattle, Washington 98118 (206) 612-8511 www.planone.biz
DRAWN V DATE APF PLAN N SHEET	N BY VMG RIL 25, 2022 NO. NO.



FIXTURE LEGEND

DESCRIPTION







# UPPER LEVEL REFLECTED CEILING PLAN SCALE 1/4" = 1'-0"



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DRAWN DATE PLAN N	5125 47th Avenue S	Real     Seattle, Washington 98118       (206) 612-8511     www.planone.biz
SHEET	NO.	4



# TREE & VEGETATION PROTECTION

NES

MERC

S

NR

ARBORIST.

### TREE PROTECTION FENCING AND SIGN

- 1. 6' H CHAIN LINK, WIRE MESH, OR SIMILAR OPEN RIGID MATERIAL (NO PLYWOOD)
- 2. MUST BE INSTALLED PRIOR TO DEMOLITION OR GROUND DISTURBANCE
- KEPT IN PLACE FOR THE DURATION OF CONSTRUCTION
- 4. NO SOIL DISTURBANCE OR ACTIVITY ALLOWED WITHIN FENCED AREA: MATERIAL STORAGE/STOCKPILING, PARKING,
- EXCAVATION, DUMPING, OR WASHING5. MODIFICATIONS OF THESE REQUIREMENTS BY APPROVAL OF SDCI PLANNER ONLY
- 6. IF ROOTS GREATER THAN 2 INCH FOUND OUTSIDE OF FENCING, PROTECT BY HAND EXCAVATION AND, IF NECESSARY, CUT CLEANLY AND KEEP MOIST
- USE 3 INCHES OR DEEPER WOOD CHIP
   MULCH WITHING TREE PROTECTION ZONES
   AS WELL FOR ALL TREES IMPACTED WITHIN
   THEIR LIMITS OF DISTURBANCE

### **VEGETATION PROTECTION**

- 1. ORANGE MESH OR SIMILAR OPEN MATERIAL
- 2. MINIMIZE CONSTRUCTION ZONE
- 3. PROTECT VEGETATION OUTSIDE CONSTRUCTION ZONE WITH FENCING AS SHOWN
- USE 3 INCHES OR DEEPER WOOD CHIP
   MULCH OUTSIDE FENCED AREAS TO PROTECT
   FEEDER ROOTS





### CROSS-HATCHED AREASINDICATE LIMITS OF CRITICALROOT ZONE OUTSIDE OF TREEPROTECTION FENCING- ALL EXCAVATION IN THOSE AREAS TO BE DONE WITH HYDRO OR PNUEMATIC EXCAVATION METHODS OR BY HAND DIGGING UNDER SUPERVISION OF THE ARBORIST.

 TREE PROTECTION FENCING

 AND LIMITS OF CLEARING,

 GRADING AND EXCAVATION

 DRIP LINES OF TREES TO BE

 W

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 WATER SERVICE

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WATER METER

EDWARD & CATHERINE MOR. WEST MERCER WAY MERCER ISLAND, WA 98040

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PLAN NO. BRAWN BY Seattle, Washington 98118



## STRUCTURAL NOTES

1. CODE: IRC, 2018 EDITION.

2. LOADS:

ROOFL.L.25 PSF (SNOW)

- SEISMIC: SITE CLASS = D
  - $S_{\rm S} = 1.274 \, {\rm a}$ S = 0.425q
  - $S_{DS} = 0.849a$
  - $S_{D1} = 0.445g$ R = 6.5 (WOOD SHEAR WALL)

WIND: 10 M.P.H. (EXPOSURE "B"); 1=1.0

SOIL BEARING: 1500 PSF (ASSUMED), BOTTOM OF ALL FOUNDATION SHALL BE MINIMUM OF 18" BELOW GRADE.

3. CONCRETE:

F'c = 2,500 PSI

MIXING AND PLACING OF ALL CONCRETE AND SELECTION OF MATERIALS SHALL BE IN ACCORDANCE WITH THE ACI CODE 318, PROPORTIONING OF AGGREGATE TO CEMENT SHALL BE SUCH AS TO PRODUCE A DENSE WORKABLE MIX WITH 4" MAXIMUM SLUMP, WHICH CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER, 3/4" CHAMFER ALL EXPOSED EDGES, UNLESS INDICATED OTHERWISE ON ARCHITECTURAL DRAWINGS, AIR ENTRAIN ALL CONCRETE EXPOSED TO WEATHER WITH 3% TO 6% AIR BY VOLUME.

REINFORCING DEFORMED BARS GRADE 40 (fy=40,000 PGI) UNLESS OTHERWISE NOTED ON THE DRAWINGS, LAP ALL CONTINUOUS REINFORCING BARS 48 BAR DIAMETERS 2'-O" MINIMUM, UNLESS NOTED OTHERWISE, PROVIDE CORNER BARS (2'-O" BEND) FOR ALL HORIZONTAL REINFORCEMENT, DETAIL REINFORCING BARS IN ACCORDANCE WITH THE "ACI DETAILING MANUAL"

CONCRETE COVER TO MAIN REINFORCEMENT SHALL BE FORMED SURFACES -WEATHER FACE = 1 1/2" EARTH FACE = 2" INTERIOR FACE = 3/4" FOOTINGS CAST AGAINST EARTH = 3"

METALS: ALL MISCELLANEOUS STEEL SHALL CONFORM TO ASTM A-36 (fy=36,000 PSI) UNLESS NOTED OTHERWISE, MACHINE BOLTS TO BE A-301, ANCHOR BOLTS INTO CONCRETE SHALL BE PLACED ACCURATELY ACCORDING TO SIZE AND LOCATIONS SHOWN AND PROVIDED FOR BY OTHERS, ALL EXPANSION ANCHORS SHALL BE HILTI KWIK BOLT TZ OR APPROVED EQUAL, FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION.

### CARPENTRY:

ALL NAILS TO BE COMMON NAILS. LUMBER GRADES: 4X BEAMS D.F. #1 6X BEAMS D.F. \*1 BLOCKING D.F. #2 2X STUDS = D.F. #2

LEDGERS D.F. #2

ALL LUMBER NOT NOTED ABOVE TO BE D.F. #2 OR BETTER, ALL LUMBER SHALL CONFORM TO "WWPA GRADING RULES FOR WESTERN LUMBER-LATEST EDITION" AND EACH PIECE SHALL BEAR A VALID GRADE STAMP THAT IS NOT TO BE REMOVED FROM THE STRUCTURAL MEMBER, BOLT HEADS AND NUTS BEARINGS AGAINST WOOD SHALL BE PROVIDED WITH STANDARD CUT WASHERS, ALL WOOD IN CONTACT WITH CONCRETE OR MAGONRY SHALL BE PRESSURE TREATED.

7. PLYWOOD:

ROOF SHEATHING = 1/2" CDX PLYWOOD WITH EXTERIOR GLUE, INDEX 32/16 OR 24/0.

FLOOR SHEATHING = 3/4" T.&G. PLYWOOD, INDEX 48/24. ALL SHEATHING SHALL CONFORM TO U.S. PRODUCT STANDARD, NAILING SHALL BE AS INDICATED ON PLAN.

GLU-LAMINATED BEAMS:

GLU-LAMINATED WOOD BEAMS, SHALL BE KILN DRIED, INDUSTRIAL APPEARANCE, STRESS GRADE COMBINATION 24F-V4 (fb=2400 PSI, fv=165 PSI) AT SIMPLE SPAN BEAM AND STRESS GRADE COMBINATION 24F-V8 (fb=2400 psi, fv=165 psi) AT CANTILEVERED BEAMS. PROVIDE TOP TENSION LAMS AT CANTILEVERS.

TRUSSES:

TRUSSES ARE AS NOTED ON THE PLANS AND FABRICATED IN ACCORDANCE WITH 2018 IRC. EACH TRUSS SHALL BEAR THE QUALITY CONTROL STAMP, MANUFACTURER PLANTS NAME/ADDRESS, DESIGN LOAD AND MAXIMUM SPACING, TRUSS FABRICATOR TO PROVIDE ALL REQUIRED BRIDGING BLOCKING, BOTH PERMANENT AND ERECTION, DESIGN CRITERIA SHALL MEET OR EXCEED THE FOLLOWING:

ROOF TRUSS LOADING: LIVE LOAD = 25 PSF (SNOW) DEAD LOAD = 15 PSF TOTAL LOAD DEFLECTION = L/240LIVE LOAD DEFLECTION = L/360 FLOOR TRUGS LOADING: LIVE LOAD = 40 PSF DEAD LOAD = 15 PSF TOTAL LOAD DEFLECTION = L/240

LIVE LOAD DEFLECTION = L/480

- 10. SHOP DRAWING SUBMIT 3-SETS OF SHOP DRAWINGS TO ENGINEER FOR REVIEW FOR DEGIGN INTENT ONLY PRIOR TO FABRICATION AND AFTER CONTRACTOR REVIEW FOR ROOF AND FLOOR TRUSSES. ALL DIMENSIONS AND QUANTITIES MUST BE VERIFIED AND APPROVED BY THE CONTRACTOR AND IS NOT RESPONSIBILITY OF THE ENGINEER OF RECORD.
- 11. SPECIAL INSPECTION: PROVIDE SPECIAL INSPECTION PER 2015 IBC. ALL INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT, ARCHITECT, ENGINEER AND OWNER FOR REVIEW.

FOLLOWING STRUCTURAL OBSERVATIONS ARE REQUIRED FOR: A. SHEAR WALL AND DIAPHRAGM NAILING, STRAPS AND HOLDOWNS: AND B. EXPANSION AND EPOXY GROUT ANCHORS.

SPECIAL CONDITIONURING CONSTRUCTION THE CONTRACTOR SHALL COORDINATE ALL TRADES AND VERIFY DIMENSIONS IN FIELD. OBTAIN ARCHITECT'S APPROVAL PRIOR TO ALL FIELD CHANGES, SEE ARCHITECTURAL DRAWINGS FOR ALL FLOOR OPENING DIMENSIONS AND LOCATIONS, FLOOR FINISHES, ETC, CONTRACTOR SHALL PROVIDE PERMANENT AND TEMPORARY SHORING AS REQUIRED.

# NAILING SCHEDULE

(UNLESS NOTED OTHERWISE

CONNECTION





N DRAWINGS)	
ILS	
8d COMMON (2-1/2" X 0.131"),	3 - 3" X 0.131" NAILS
8d COMMON (2-1/2" X 0.131"),	2 - 3" X 0.131" NAILS
	2 - 8d COMMON (2-1/2" X 0.131")
	3 - 8d COMMON (2-1/2" X 0.131")
	2 - 16d COMMON (3-1/2" X 0.162")
d (3-1/2" X 0.131") AT 16" O.C.,	3" X 0.131" NAILS AT 8" O.C.
16d (3-1/2" X 0.131") AT 16" O.C.,	4 - 3" X 0.131" NAILS AT 16" O.C.
16d COMMON (3-1/2" X 0.162"),	3 - 3" X 0.131" NAILS
8d COMMON (2-1/2" X 0.131"),	3 - 3" X 0.131" NAILS
20d COMMON (3-1/2" X 0.162"),	3 - 3" X 0.131" NAILS
d (3-1/2" X 0.131") AT 16" O.C.,	3" X 0.131" NAILS AT 8" O.C.
d (3-1/2" X 0.135") AT 16" O.C.,	3" X 0.131" NAILS AT 12" O.C.
16d COMMON (3-1/2" X 0.135"),	12 - 3" X 0.131" NAILS
8d COMMON (2-1/2" X 0.131"),	3 - 3" X 0.131" NAILS
(2-1/2" X 0.131") AT 6" O.C.,	3" X 0.131" NAILS AT 6" O.C.
16d COMMON (3-1/2" X 0.162"),	3 - 3" X 0.131" NAILS
d COMMON (3-1/2" X 0.162") AT 16" O.C. /	ALONG EDGE
8d COMMON (2-1/2" X 0.131),	5 - 3" X 0.131 NAILS
8d COMMON (2-1/2" X 0.131")	
16d (3-1/2" X 0.162") MIN., TABLE 2308.1	0.4.1
3" X 0.131" NAILS, 4 - 3" 14 GAGE STAPL	.ES
16d (3-1/2" X 0.162") MIN TABLE 2308.1	0.4.1
3" X 0 131" NAILS	
8d COMMON (2-1/2" X 0 131")	3 - 3" X 0 131" NAILS
8d COMMON (2-1/2" X 0 131")	2 3" Y 0 131" NAILS
8d COMMON (2-1/2" X 0.131"),	2 - 3" X 0.131" NAILS
8d COMMON (2-1/2" X 0.131"), 8d COMMON (2-1/2" X 0.131") 8d COMMON (2-1/2" X 0.131")	2 - 3" X 0.131" NAILS
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8d COMMON (2-1/2" X 0.131"), 8d COMMON (2-1/2" X 0.131") 8d COMMON (2-1/2" X 0.131") d (3-1/2" X 0.162") AT 24" O.C., d COMMON (4" X 0.192") AT 32" O C	2 - 3" X 0.131" NAILS 3" X 0.131" NAILS AT 16" O.C. 3" X 0.131" NAILS AT 24" O.C.
8d COMMON (2-1/2" X 0.131"), 8d COMMON (2-1/2" X 0.131") 8d COMMON (2-1/2" X 0.131") d (3-1/2" X 0.162") AT 24" O.C., d COMMON (4" X 0.192") AT 32" O.C., 20d COMMON (4" X 0 192")	2 - 3" X 0.131" NAILS 3" X 0.131" NAILS AT 16" O.C. 3" X 0.131" NAILS AT 24" O.C. 3 - 3" X 0.131" NAILS AT 24" O.C.
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# FOUNDATION NOTES WITH THE WORK.











![](_page_18_Figure_1.jpeg)

![](_page_19_Figure_0.jpeg)

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

NORTH

![](_page_20_Figure_0.jpeg)

![](_page_20_Figure_1.jpeg)

![](_page_20_Picture_4.jpeg)

![](_page_21_Figure_0.jpeg)

![](_page_21_Figure_1.jpeg)

# SHEAR WALL SCHEDULE (DOUG FIR STUDS, TOP & BOTTOM PLATES

MARK	SHEATHING		NOMINAL THICKNESS OCKING OF SINGLE		NAIL SPACING		CONNECTION OF JOISTS TO	NOMINAL THICKNESS OF SINGLE	BOTTOM PLAT	SHEAR CAPACITY	
			BLOCKING, SILL PLATE		EDGE	FIELD	BLOCKING TO TOP PLATES	BLOCKING, RIM JOIST	WOOD	CONCRETE	(LB/FT)
P-1	7/16" APA RATED SHEATHING (ONE SIDE)	YES	2"	8d COMMON	6"	12"	A-35 @ 18" oc	2"	16d @ 6" oc	5/8" AB @ 32" oc	280
P-2	7/16" APA RATED SHEATHING (ONE SIDE)	YES	2"	8d COMMON	4"	12"	A-35 @ 12" oc	2"	16d @ 4" oc	5/8" AB @ 24" oc	430
P-3	7/16" APA RATED SHEATHING (ONE SIDE)	YES	3"	8d COMMON	3"	12"	A-35 @ 9" oc	2"	16d @ 3" oc	5/8" AB @ 18" oc	550
P-4	7/16" APA RATED SHEATHING (ONE SIDE)	YES	3"	8d COMMON	2"	12"	A-35 @ 6" oc	3"	(2) ROWS OF 16d @ 5" oc	5/8" AB @ 12" oc	730

### SHEAR WALL & HOLD-DOWN NOTES (U.N.O.)

١.	AFA NATED SI
2.	PLYWOOD AT
3.	FASTENERS S
4.	PROVIDE PLYV
5.	NAIL END STU
З.	OFFSET PANE
7.	USE 1/4" X 3" X
В.	SOLID BLOCKI
9.	BOTTOM PLAT

NAIL DESCRIPTION

8d COMMON	
10d COMMON	
16d COMMON	-

	HOLD-DOWN SCHEDULE					
HOLD-DOWN OR STRAP	POST/END STUD (MIN)	NAILS/BOLTS				
CS16	2X	(22) 10d X 2-1/2"				
(2) CS16	(2) 2X	(44) 10d X 2-1/2"				
CMSTC16	(2) 2X	(50) 10d X 3-1/4"				
HTT5	(2) 2 X 6 OR 4 X 6	(26) 16d X 1-1/2" SIMPSON SB 5/8" X 24 BOLT				
HDQ8	4 X 6	(20) 1/4" X 3" SDS SCREWS SIMPSON SB 1" X 30" BOLT				
STHD10/10RJ	(2) 2X	(28) 10d X 3-1/4"				
STHD14/14RJ	(2) 2X	(30) 10d X 3-1/4"				

APA RATED SHEATHING SHALL BE EXP1/EXP2/EXT OR C-C/C-D/STRUCT II, SPAN RATING 24/0.
 PLYWOOD AT SHEAR WALLS MAY BE LAID WITH FACE GRAIN PARALLEL OR PERPENDICULAR TO WALL STUDS.

SHALL BE DRIVEN FLUSH WITH SURFACE OF SHEATHING AND HAVE MINIMUM 3/8" EDGE DISTANCE.

YWOOD EDGE NAILING TO ALL POSTS INSIDE SHEAR WALLS. UDS ALL OF ALL SHEAR WALLS TO TRANVERSE BEARING WALLS WITH 16d NAILS AT 4" OC (MIN).

EL JOINTS ON EACH SIDE OF WALL MINIMUM ONE STUD BAY AT SHEAR WALL PB.

( 3" PLATE WASHERS ON ALL ANCHOR BOLTS.

CKING SHALL BE INSTALLED AT ALL PLYWOOD JOINTS. ATE SHALL BE 3X NOMINAL AT SHEAR WALLS P3 AND P4.

10. STUDS AND BLOCKING AT PLYWOOD JOINTS SHALL BE 3X NOMINAL AT SHEAR WALLS P3 AND P4. 11. FOR DOUBLE ROWS OF BOTTOM PLATE NAILS, PROVIDE DOUBLE RIM BOARD OR BLOCKING BELOW.

١	NAIL SIZE
	0.131" DIA X 2-1/2" LONG
	0.148" DIA X 3" LONG

0.162" DIA X 3-1/2" LONG

![](_page_22_Figure_16.jpeg)

# MAIN LEVEL SHEAR WALL PLAN SCALE 1/4" = 1'-0"

![](_page_22_Figure_19.jpeg)

![](_page_22_Picture_21.jpeg)

![](_page_23_Picture_0.jpeg)

![](_page_23_Picture_1.jpeg)

![](_page_23_Picture_3.jpeg)

![](_page_23_Figure_4.jpeg)

3 7 7 G  $\triangleleft$ DAT CHE ESIDENCE NE MORAN Γ MERCER WAY \_AND, WA 98040 RINE PROPOSED NEW RES EDWARD & CATHERINI 5028 WEST MERCER M MERCER ISLAND, WA 98 SHEAR WALLS LEVEL UPPER SHEET **S-8** -JOB #

 $\hat{\Lambda}$ PILE SCHEDULE "D" (FT) PILE SECTION "H" (FT) AUGER DIAMETER SPACING MAX. HT MIN. EMBED Fy=50 KSI (INCHES) ON CENTER 6'-6" 13'-0" 8'-0" W16×26 30" OR LESS 8'-6" 16'-0" 8'-0" 30" W16X31 10'-6" 8'-0" 20'-0" 30" W16X50 12'-0" 27'-0" 8'-0" W16×100 30"

![](_page_24_Figure_1.jpeg)

PHONE 425-351-5999 PHONE 425-351-5999 P.O. BOX 7255 P.O. P.O. P.O. BOX 7255 P.O. P.O. BOX 7255 P.O. P.O. P.O. P.O.	- BELLEVUE, WA 98008 CHECKED BY: A.G. 1 A 12/08/2022	AIX DATE: 11-30-2021 2		KIA CO CONSULTING STRUCTURAL ENGINEERS 4		
PROPOSED NEW RESIDENCE EDWARD & CATHERINE MORAN 5028 WEST MERCER WAY MERCER ISLAND, WA 98040						
SHORING WALL PLAN						
SHEET <b>SH-1</b> OF - JOB # 117-2101						

18"FIR

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1. SEE SOIL'S REPORT FOR RECOMMENDATIONS DURING EXCAVATION AND TEMPORARY SHORING.

2. MAXIMUM TEMPORARY CUT SLOPE IS: 1.5H:IV

3. CONTRACTOR MAY REVISE THE NUMBER OF PILES ACCORDING TO SITE CONDITION WITH SOIL'S ENGINEER AND STRUCTURAL ENGINEER APPROVAL.

4. SOIL'S ENGINEER SHALL INSPECT AND APPROVE ALL EXCAVATION AND PILE PLACEMENT. PROVIDE SPECIAL INSPECTION BY GEOTECH PER 2018 IBC.

![](_page_25_Figure_0.jpeg)

		'-0" W16X100 30"	-0" W16X50 30"	-0" W16X26 30"	(FT) PILE SECTION AUGER DIAMETEF EMBED Fy=50 KSI (INCHES)	PILE SCHEDUL				<ul> <li>8. SOIL'S ENGINEER ST 2018 IBC.</li> <li>9. PROVIDE SURVEY MO SOIL'S ENGINEER.</li> <li>10. REFER SOIL'S REPOR CLEAN UP.</li> </ul>	F WALL 6. CONTRACTOR TO VEI F WALL 7. SEE SOIL'S REPORT AND TEMPORARY SHO	4. EARTH PRESSURE O REDUCED BY 50% F	2. MINIMUM EMBEUMEN EXCAVATIONS PER F 3. PASSIVE EARTH PRE DIAMETERS.	NOTES:	
		8'-0" P9, P10, P11, P12, P13, P14, P15,	8′-0″ P3, P4, P5, P6,	8'-0" P0, P16	R SPACING ON CENTER PILE NUMBER					TALL PORVIDE SPECIAL INSPECTION PER ONITORING PROGRAM AS REQUIRED BY THE RT FOR MAINTANANCE SCHEDULE AND DEBRIES	RIFY EXISTING GRADES. FOR RECOMMENDATION DURING EXCAVATION ORING.	'n lagging between soldier Piles is "Per Soil's Report." "Ing is 8'-0".	ILE SOLDIER PILE BELOW THE BASE OF PILE SCHEDULE ON SHEET SH-1. SSURE IS TAKEN OVER 2-PILE	I.5 (PER SOIL'S REPORT)	
SHEET <b>S S S S S S S S S S S S S S S S S S S </b>	ELEV	/ATIO	NS	& N	NOTES		PROF E	POSED SINGLE FAMILY RESIDENCE EDWARD & CATHERINE MORAN 5000 west mercer way mercer island, wa 98040	CALLENGE CHASE	PHONE 425-351-5999 P.O. BOX 7255 BELLEVUE, WA 98008	AL ENGINEERS	DRAWN BY CHECKED DATE: 11-	': BY: A.G. -30-2021	REVISION E	EDITION 9–9–22 12–8–22

![](_page_26_Figure_0.jpeg)

SHORE PLE HOLES SHALL BE DRILLED WITHOUT LOSS OF GROUND AND WITHOUT ENDANGERING BLY INSTALLED PLES. THIS MAY INVOLVE CASING THE HOLES OR OTHER METHODS OF OWMENDATIONS. SEE GEOTECHNICAL REPORT AND SURVEY FOR POSSIBLE OBSTRUCTIONS OMMENDATIONS. SHALL BE BACK FILLED PER SOLL'S REPORT. IT IS THE CONTRACTOR'S REPORSIBILITY OF EXPOSED SOLL TO 4 FF. OR LESS, ALSO SEE SOL'S REFORT RECOMMENDATIONS. INSTALL DRAINAGE TO THE FACE OF THE TIMBER LAGGING FOR TEMPORARY AND PERMANENT PILE WALLS ACCORDING TO RECOMMENDATIONS OF THE 2015 I.B.C. AND AS SPECIFIED IN THE EPORT. No: MONITORING OF THE SHORING SYSTEM, CONDUCTED BY THE GENERAL CONTRACTOR, MUST MEASUREMENTS OF VERTICAL AND HORIZONTAL MOVEMENTS AT THE TOP AND BOTTOM OF EACH PILE ON DAILY BASIS DURING THE EXCAVATION AND WEEKLY BASIS UNITL WALL CONSTRUCTION FTE. ADDITIONAL MONITORING POINTS MAY BE A THE DIRECTION OF THE SOL'S REPORT BUILDING DEPARTMENT. ALL READINGS SHOULD BE PROVIDED TO KIA CO., A.D. SHAPIRO TTS, P.S., AGES ENGINEERING, LLC. AND BUILDING DEPARTMENT. ALSO, SEE SOL'S REPORT ITORING INSTRUCTIONS AND RECOMMENDATIONS.	SI     MIN. CEMENT PER CUBIC YARD     USE       0     1 1/2 SACKS     PILE STRUCTURAL GROUT       1     AGGING SHALL SECTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:       1     I STEEL FOR BULDINGS     FILE STRUCTION, AWS PREGUALIFIED JOINT DEFAILS.       1     I GREGING SHALL CONFORM TO "GRADING RULES," WEST COAST LUMBER INSPECTION       1     I AGGING SHALL DE RESSURE-TREATED WITH WATERBORNE PRESERVATIVES. FIELD CUT; Fb =       1     LAGGING SHALL DE RESSURE-TREATED WITH WATERBORNE PRESERVATIVES. FIELD CUT; Fb =       1     LAGGING SHALL DE CONFORM TO BELOWING, WONTORING, EXCAVATION, DRAINAGE AND STRUCTURE       1     FOR ADDITIONAL INFORMATION.       2     OF PILE: TOP OF PILES SHALL BE CUT OFF A MINIMUM OF O	GENERAL SHELL SHELL NO AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF NAMINAL BULDING CODE, 2015 EDITION. 25 DOCUMENTS: GEOTECHNICAL PROJECT NO. IN16346 BY GEOTECH CONSULTANTS, INC. DATED R 19, 2016 AND SUPPLEMENTAL LETTER. TOPOGRAPHY AND BOUNDARY SURVEY AS PROVIDED WINER. 30 FOR THE DESIGN. 31 FOR THE DESIGN. 32 FOR THE DESIGN. 32 SHOP DRAWINGS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER PRIOR TO 39 OR CONSTRUCTION FOR CONV. MIX. DESIGN, STRUCTURAL ENGINEER PRIOR TO 30 OR CONSTRUCTION AND SHORING SEQUENCE SHALL BE SUBMITTED TO THE ENGNEER FOR 30 OR CONSTRUCTION AND SHORING SEQUENCE SHALL BE SUBMITTED TO THE ENGNEER FOR 32 OWNER FOR PILE PLACEMENT. SOIL'S ENGINEER AND APPROVED TESTING LAB WILL BE 30 WIRER FOR PILE PLACEMENT. SOIL'S ENGINEER AND APPROVED THE ENGNEER FOR 32 OWNER FOR PILE PLACEMENT. SOIL'S ENGINEER AND APPROVED THE ENGNEER FOR 32 OWNER FOR PILE PLACEMENT. SOIL'S ENGINEER AND APPROVED THE ENGNEER FOR 32 OWNER FOR PILE PLACEMENT. SOIL'S ENGINEER AND APPROVED THE STING LAB WILL BE 32 OWNER FOR PILE PLACEMENT. SOIL'S ENGINEER AND APPROVED THE STRUCTURAL ENGINEER. 32 ONDITION AND SHORING TO INSTALLATION OF PILES. SUBMIT DAILY REPORTS TO THE 32 DETERVE. SOUL'S ENGINEER AND LOCATIONS OF SITE UTILITY LOCATOR SERVICE" 34 ENGINEER. 35 CONFRETOR SHALL BE RELOCATED. NEW PILE LOCATIONS SHALL BE APPROVED BY 34 ENGINEER. 35 CONFRETE. WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE 2015 INTERNATIONAL CODE. 36 MIN CENTER FEED CHERC YARD APPROVED THE 2015 INTERNATIONAL CODE. 36 MIN CENTER FEED CHERC YARD APPROVED BY 36 MIN CENTER FEED CHERC YARD APPROVED BY 36 MIN CENTER WHAT HER CHERCY TO ALL REQUIREMENTS OF THE 2015 INTERNATIONAL CODE.
PLANS	PROPOSED SINGLE FAMILY RESIDENCE EDWARD & CATHERINE MORAN 5000 WEST MERCER WAY MERCER ISLAND, WA 98040	PHONE 425-351-5999       P.O. BOX 7255         BELLEVUE, WA 98008       DRAWN BY:         REVISION EDITION         CHECKED BY: A.G.         DATE: 11-30-2021         PILE LAYOUT 12-8-         CONSULTING STRUCTURAL ENGINIEERS

<sub>JOB</sub> # 171-2101

ယ

![](_page_27_Figure_0.jpeg)

t Merce	r Way	PREPARED BY:	Justin Jones	
and, W/	A	PHONE:	206-596-2020	
		DATE:	04/20/2022	
	DETENTION PIPE LENGTH (F	T): <mark>62</mark>	ORIFICE #1 DIA $0.5$ INCH, ELEV	185.19'
<u>РЕ</u>			ORIFICE #2 DIA 0.8 INCH, ELEV	190.79'

ES (206–275–7605) 24 HOURS IN ADVANCE FOR A DETENTION RE BACKFILLING AND FOR FINAL INSPECTIONS.
ATION AND MAINTANANCE OF DRAINAGE SYSTEMS ON PRIVATE ITY OF THE PROPERTY OWNER. MATERIAL ACCUMULATED IN THE REMOVED FROM CATCH BASINS TO ALLOW PROPER OPERATION. FICE MUST BE KEPT OPEN AT ALL TIMES.
D PROTECTIVE TREATMENT SHALL BE IN ACCORDANCE WITH SECTION SDOT STANDARD SPECIFICATION FOR ROAD, BRIDGE, AND MUNICIPAL RSION. SUCH MATERIALS INCLUDE THE FOLLOWING, LINED HE PIPE (LCPE), ALUMINIZED TYPE 2 CORRUGATED STEEL PIPE AND D DESIGNATIONS M274 AND M36), CORRUGATED OR SPIRAL RIB FORCED CONCRETE PIPE. CORRUGATED STEEL PIPE IS NOT ALLOWED.
DT BE CONNECTED TO THE DETENTION SYSTEM.

![](_page_28_Figure_0.jpeg)

### EASEMENTS

OWN	
ETO,	AS

# **TESC NOTES**

- Contractor to install temporary erosion and sediment control measures as necessary to ensure stormwater leaving the site is free of settleable solids.
- Roads shall be cleaned thoroughly as needed to protect stormwater infrastructure and downstream water resources. Sediment shall be removed from roads by shoveling or pickup sweeping and be transported to a controlled sediment disposal area.
- Install strom drain inlet protection in all existing catch basins within the project vicinity per City of Mercer Island Detail 4.2.8.
- Install Stabilized Construction Entrance per City of Mercer Island Detail 4.1.1.
- Install Silt Fence as necessary. See City of Mercer Island Detail 4.2.12.
- Install straw bale barriers, wattles and other TESC measures as necessary.
- Exposed soils shall be watered as necessary to prevent dust from leaving the site.
- Contractor to mark clearing limits with lath and flagging.
- Concrete handling and equipment washing shall in accordance with DOE BMP C151.

# **GENERAL NOTES**

• See Tree Inventory Tables in Arborist Report included in this submittal.

# **CONSTRUCTION NOTES**

- The lawn and landscape areas are required to provide • Post-Construction Soil Quality and Depth in accordance with BMP T5.13. The project civil engineer must provide a letter of certification to ensure that lawn and landscape areas are Depth Requirements specified on the approved plan set prior to final inspection of the project.
- POST-CONSTRUCTION SOIL MANAGEMENT
- 1. Retain & Protect Native Vegetation and Soil 1.1. Identify Areas of the site that will not be disturbed construction. Fence areas to prevent impacts during construction.
- 2. loosen Compacted Subsoil
- 2.1. In Areas Compacted by Construction Traffic Scarify the top 4-inches of subsoil. Use a Cat-mouted Ripper, tractor-mounted disc, or tiller to mix the first lift of topsoil into the subsoil. USe the equipment listed to scarify soils to a depth of 12-inches before tilling in at least 8-inches of compost.
- 3. Restore Soils that are Disturbed During Construction 3.1. Stockpile and reuse existing topsoil (amend if needed to meet 5% organic matter content for turf areas; 10% organic matter content for planting beds).
- 4. Add Mulch to Planting Beds
- 4.1. Spread mulch (coarse bark or wood chips) in the spring or fall (after planting) to control weeds, reduce the need for irrigation and prevent erosion). Apply 1 to 2 inches of mulch on planting beds and around shallow-rooted annuals. Apply 2 to 4 inches of mulch around trees and woody perennials, but make sure to keep mulch 2-3 inches away from tree trunks.
- 5. Protect Restored Soils from Erosion anad Re-Compaction 5.1. Prevent runoff from roads or open slopes onto amended soil areas. Compost blankets are an approved erosion control Best Management Practice (BMP) that can be used during construction and then tilled into existing soil at the end of the construction process prior to planting. Once soils have been amended, vehicle traffic should be prohibited to prevent recompilation from occurring.

## LEGEND

0

-800-424-5555 UTILITIES UNDERGROUND LOCATION CENTER

	Owner/Developer:
NOTES	
o install temporary erosion and sediment control necessary to ensure stormwater leaving the site tleable solids.	
be cleaned thoroughly as needed to protect infrastructure and downstream water resources. Iall be removed from roads by shoveling or pickup Ind be transported to a controlled sediment a.	Edward & Catherine Moran 5000 West Mercer Way Mercer Island, WA 98040
drain inlet protection in all existing catch basins roject vicinity per City of Mercer Island Detail	Architect:
ized Construction Entrance per City of Mercer 4.1.1.	Plan One Fine Home Design 5125 47th Ave S Seattle, WA 98118
ence as necessary. See City of Mercer Island Detail	206-612-8511 Facility
bale barriers, wattles and other TESC measures /.	
s shall be watered as necessary to prevent dust g the site.	Justin Jones, PE PO Box 2066
o mark clearing limits with lath and flagging.	Sumner, WA 98390 (206) 596-2020
andling and equipment washing shall in with DOE BMP C151.	Project:
RAL NOTES	Moran Residence
entory Tables in Arborist Report included in this	
TRUCTION NOTES	
d landscape areas are required to provide action Soil Quality and Depth in accordance with The project civil engineer must provide a letter of to ensure that lawn and landscape areas are frements specified on the approved plan set prior ection of the project.	
TRUCTION SOIL MANAGEMENT	
otect Native Vegetation and Soil y Areas of the site that will not be disturbed uction. Fence areas to prevent impacts during uction.	ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
s Compacted by Construction Traffic Scarify the nches of subsoil. Use a Cat-mouted tractor-mounted disc, or tiller to mix the first lift oil into the subsoil. USe the equipment listed to soils to a depth of 12-inches before tilling in at inches of compost. s that are Disturbed During Construction ile and reuse existing topsoil (amend if needed to % organic matter content for turf areas; 10% c matter content for planting beds). to Planting Beds mulch (coarse bark or wood chips) in the spring after planting) to control weeds, reduce the need gation and prevent erosion). Apply 1 to 2 inches of on planting beds and around shallow-rooted s. Apply 2 to 4 inches of mulch around trees and perennials, but make sure to keep mulch 2-3 away from tree trunks. ored Soils from Erosion anad Re-Compaction t runoff from roads or open slopes onto amended eas. Compost blankets are an approved erosion Best Management Practice (BMP) that can be uring construction and then tilled into existing soil end of the construction process prior to planting. oils have been amended, vehicle traffic should be ted to prevent recompilation from occurring. ND Trees to be Removed Protect and Maintain Existing Trees	REV       DATE       DESCRIPTION         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
	1576001
	DATE: December 16, 2022
	DRAWN BY: DESIGN BY:
	SHEET NUMBER.
CALL TWO BUSINESS DAYS BEFORE YOU DIG	
1-800-424-5555	DWG.

![](_page_29_Figure_0.jpeg)

### LEGEND

4	4 44
4	а <u>с</u>

Proposed Concrete

Proposed Concrete with Brushed Surface

Proposed Permeable Pavers

Landscaping/Native Vegetation

### **GENERAL NOTES**

- See Detail on Sheet C-05 for Standard Concrete Section.
- See Detial on Sheet C-05 for Permeable Paver Section.
- Driveway Slopes over 20.0% add a Brush Surface Finish to increase Traction.

# LOT COVERAGE 🔁

Proposed Lot Coverage			
	Impervious Areas (SF)	Pervious Areas (SF)	
Proposed House	2,664		
Proposed Driveway	1,312		
Proposed Retaining Walls	63		
Permeable Pavers		116	
Landscaping/Vegetaion		13,722	
Totals	4,039	13,838	
Lot Size	18,295		
Max Allowed Impervious			
Coverage	35% (6,403 SF)		
	22%		
Impervious Lot Covera <sub>5</sub>	۲۷۵ کال		

CALL TWO BUSINESS DAYS

1-800-424-5555 UTILITIES UNDERGROUND LOCATION CENTER

Edward & Catherine Moran 5000 West Mercer Way Mercer Island, WA 98040

Architect:

Plan One Fine Home Design 5125 47th Ave S Seattle, WA 98118 206-612-8511

![](_page_29_Picture_19.jpeg)

Justin Jones, PE PO Box 2066 Sumner, WA 98390 (206) 596-2020

Project:

Moran Residence

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY

![](_page_29_Picture_23.jpeg)

![](_page_29_Picture_24.jpeg)

SHEET TITLE.

### Site & Grading Plan

PROJ. NO:	1576001	
DATE:	December 16, 2022	
DRAWN BY:	DESIGN BY:	
SHEET NUMBER.		
C-02		
DWG.		

![](_page_30_Figure_0.jpeg)

### LEGEND

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 W	
 —P	

### **CONSTRUCTION NOTES**

- ASTM 3034 SDR 35 PVC pipe, fused solid wall HDPE, schedule 40 ABS, DIP or CIP (up to 8 ft. depth). Over 8 ft. depth and slopes more than 20%, DIP, CIP, or fused solid wall HDPE are required.
- Bedding material for open cut construction must be pea gravel, sand, control density fill (CDF), or 5/8" minus C.R.
- Select backfill material shall be 5/8" minus C.R. or control density fill (CDF).
- Imported backfill material shall be bank run gravel or pit run gravel from an approved supplier meeting APWA/WSDOT gradation specifications. Not allowed in right-of-way.
- Rubber gaskets must be used when appropriate.
- Rigid couplings must be used forconnections to existing stubs in right-of-way.
- A stainless steel strap and saddle (Romac) must be used for coring.
- 1" Water Meter Installation see City of Mercer Island Detail on sheet C-06.
- Tapping Tee Installation see City of Mercer Island Detail on sheet C-06.
- The lawn and landscape areas are required to provide Post-Construction Soil Quality and Depth in accordance with BMP T5.13. The project civil engineer must provide a letter of certification to ensure that the lawn and landscape areas are meeting the Post-Construction Soil Quality and Depth Requirements specified on the approved plan set prior to final inspection of the project.

### **GENERAL NOTES**

- Water Service laterals shall have a minimum cover of 12 inches.
- Roof leader locations to be verified by contractor prior to construction.
- Storm pipes to maintain a minimum cover of 1.5' from finish grade.
- Storm pipes to be SDR 35 PVC piping.
- Sanitary Sewer laterals to be soild wall HDPE piping.
- Saniatry Sewer Laterals to mantain a minimum cover of 3.0' from finish grade.
- Pipes entering and exiting catch basins a tee section or bent elbow must be installed for spill control.
- Power conduit shall maintain a minimum cover of 2.0' from finish grade.
- Franchise utilities shown on this plan are into reviewed or approved by the City of Mercer Island.
- The TV inspection of the existing side sewer. If the result of the TV inspection is not in satisfactory condition, as determined by the City of Mercer Island Inspector, the replacement of the existing side sewer is required.

ND	
Sanitary Sewer Line	
	Edward & Catherine Moran 5000 West Mercer Way Mercer Island. WA 98040
Power Conduit	
Stormwater Line	Architect:
TRUCTION NOTES	Plan One Fine Home Design 5125 47th Ave S Seattle, WA 98118
SDR 35 PVC pipe, fused solid wall HDPE, ) ABS, DIP or CIP (up to 8 ft. depth). Over 8 Id slopes more than 20%, DIP, CIP, or fused DPE are required.	Engineer:
terial for open cut construction must be sand, control density fill (CDF), or 5/8"	JUSTIN JONES, PE
fill material shall be 5/8" minus C.R. or sity fill (CDF).	PO Box 2066 Sumner, WA 98390 (206) 596-2020
ackfill material shall be bank run gravel or el from an approved supplier meeting OOT gradation specifications. Not allowed in y.	Project: Moran Residence
kets must be used when appropriate.	
ngs must be used forconnections to existing nt-of-way.	
steel strap and saddle (Romac) must be used	
eter Installation see City of Mercer Island eet C-06.	
e Installation see City of Mercer Island Detail 06.	
nd landscape areas are required to provide fuction Soil Quality and Depth in accordance 5.13. The project civil engineer must tter of certification to ensure that the lawn upe areas are meeting the Post-Construction and Depth Requirements specified on the lan set prior to final inspection of the	ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
RAL NOTES	IN M
ice laterals shall have a minimum cover of 12 inches.	S STEOF WASHING
n. s to maintain a minimum cover of 1.5' from finish	41829
s to be SDR 35 PVC piping.	ESSIONAL ENGINE
wer laterals to be soild wall HDPE piping.	12-16-2022
wer Laterals to mantain a minimum cover of 3.0' grade.	REV DATE DESCRIPTION
ing and exiting catch basins a tee section or bent be installed for spill control.	
luit shall maintain a minimum cover of 2.0' from	
tilities shown on this plan are into reviewed or y the City of Mercer Island.	
ection of the existing side sewer. If the result of the on is not in satisfactory condition, as determined by Mercer Island Inspector, the replacement of the a sewer is required	
	SHEET TITLE.
	Utility Plan
	,
	PROJ. NO: 1576001
	DATE: December 16, 2022
	DRAWN BY: DESIGN BY:
	SHEET NUMBER.
	C-03
CALL TWO BUSINESS DAYS BEFORE YOU DIG	

Owner/Developer:

<b>1</b> -	-800-	-424	4-5	555	5
TILITIES	UNDERGR	OUND	LOCA	TION	CENTE

![](_page_31_Figure_0.jpeg)

![](_page_31_Figure_1.jpeg)

![](_page_31_Figure_2.jpeg)

![](_page_31_Figure_3.jpeg)

Figure 4.1.1 – Stabilized Construction Entrance

![](_page_31_Figure_6.jpeg)

	Owner/Developer:
	Edward & Catherine Maran
	5000 West Mercer Way Morcer Island, WA 98040
	Architect:
	Plan One Fine Home Design
	5125 47th Ave S Seattle WA 98118
	206-612-8511
	Engineer:
	JMJTEAM
	Justin Jones, PE
	PO Box 2066 Sumner, WA 98390
	(206) 596-2020
	Project:
	Moran Residence
	ONE INCH AT FULL SCALE.
	II NOT, SCALL ACCORDINGET
	41829 Bungisteren Barbartine Barb
	12-16-2022
	SHEET TITLE.
	Details
	PROJ. NO: 1576001
	DATE: December 16, 2022
	DRAWN BY: DESIGN BY:
	DRAWN BY: DESIGN BY: SHEET NUMBER.
	DRAWN BY: DESIGN BY: SHEET NUMBER. C-04
CALL TWO BUSINESS DAYS	DRAWN BY: DESIGN BY: SHEET NUMBER. C-04
CALL TWO BUSINESS DAYS BEFORE YOU DIG	DRAWN BY: DESIGN BY: SHEET NUMBER.
CALL TWO BUSINESS DAYS BEFORE YOU DIG 1-800-424-5555	DRAWN BY: DESIGN BY: SHEET NUMBER. C-04 DWG.
CALL TWO BUSINESS DAYS BEFORE YOU DIG 1-800-424-5555 UTILITIES UNDERGROUND LOCATION CENTER	DRAWN BY: DESIGN BY: SHEET NUMBER.

![](_page_32_Figure_0.jpeg)

# TREE PROTECTION AREA (TPZ)

# **KEEP OUT!**

### DO NOT REMOVE OR ADJUST THE APPROVED LOCATION OF THIS TREE PROTECTION AREA

Trees enclosed by this fence are protected and are subject to the conditions of the tree permit. Violation of tree conditions may lead to:

Notes

- 1. Correction Notices or Stop Work Orders until compliance is achieved
- 2. RE Inspection Fees

KEEP OUT TREE PROTECTION

AREA

3. Arborist reports recommending mitigation

Crown drip line or other limit of Tree Protection area. See

Site/Utility Plan for fence alignment.

- 1. No pruning shall be preformed unless under the direction of an arborist
- 2. No equipment shall be stored or operated inside the protective fencing including during fence installation and removal
- 3. No storage of materials shall occur inside the protective fencing
- 4. Refer to Site/Utility Plan for allowable modifications to the tree protection area.
- 5. Unauthorized activities in tree protection area may require evaluation by private arborist to identify impacts and mitigation required
- Exposed roots: For roots > 1" damaged during construction, make a clean straight cut to remove damaged portion and inform City Arborist

![](_page_32_Figure_14.jpeg)

2" x 6" steel posts or approved equal

Maintain existing grade with the tree protection fence unless otherwise indication on the plans

![](_page_32_Figure_18.jpeg)

![](_page_32_Figure_19.jpeg)

![](_page_32_Figure_20.jpeg)

	Owner/Developer:
	Edward & Catherine Moran 5000 West Mercer Way
	werter Island, WA 98040
	Architect:
	Plan One Fine Home Design
	5125 47th Ave S Seattle. WA 98118
	206-612-8511
	Engineer:
	Justin Jones, PE
	PO Box 2066 Sumner, WA 98390
	(206) 596-2020
	Project:
	Moran Residence
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BEFORE YOU DIG 1-800-424-5555 UTILITIES UNDERGROUND LOCATION CENTER	DWG.

![](_page_33_Figure_0.jpeg)

![](_page_33_Figure_1.jpeg)

![](_page_33_Figure_3.jpeg)

![](_page_33_Figure_4.jpeg)

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	C-06
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