GENERAL NOTES

- 1. CODE COMPLIANCE ALL WORK SHALL COMPLY WITH THE 2018 IBC, 2018 IRC, 2018 IMC, 2018 IFGC, 2018 NATIONAL FUEL GAS CODE, NFPA 54, 2018 LIQUEFIED PETROLEUM GAS CODE, NFPA 58, 2018 IFC, 2018 UPC, 2018 WSEC, WAC 51-11, 2018 VIAQ, WAC 51-13, 2018 NEC, AND WITH ALL LOCAL CODES AND ORDINANCES.
- 2. DIMENSIONS A. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS PRIOR TO STARTING _____ CONSTRUCTION. NOTIFY THE ARCHITECT OF DISCREPANCIES. IF WORK IS _____ 9. DOORS: DOORS NOT DIMENSIONALLY LOCATED SHALL BE 6" FROM STUD FACE TO STARTED PRIOR TO NOTIFICATION, THE GENERAL AND SUBCONTRACTOR PROCEED AT THEIR OWN RISK.
 - B. UNLESS OTHERWISE NOTED, PLAN DIMENSIONS ARE TO FACE OF STUDS OR FACE OF CONCRETE WALLS. FACE OF STONE VENEER LIES 6" +/- OUTSIDE THE FACE **11. FRAMING:** INTERIOR FURRING & PARTITION WALLS TO BE 2x4 @ 16" O.C. OF FRAMING. INTERIOR PLAN DIMENSIONS ARE TO FACE OF STUDS UNLESS OTHERWISE NOTED.
 - C. VERIFY ALL ROUGH-IN DIMENSIONS FOR WINDOWS, DOORS, PLUMBING, ELECTRICAL FIXTURES AND APPLIANCES PRIOR TO COMMITMENT OF WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES OF DIMENSIONAL TOLERANCES REQUIRED.
 - 3. DOCUMENT REVIEW/VERIFICATION: CONSULT WITH ARCHITECT REGARDING ANY SUSPECTED ERRORS, OMISSIONS, OR CHANGES ON PLANS BEFORE PROCEEDING
 - WITH THE WORK 4. ROUGH OPENINGS/BACKING; VERIFY SIZE AND LOCATION, AS WELL AS PROVIDE ALL OPENINGS THROUGH FLOORS AND WALLS, FURRING, CURBS, ANCHORS, INSERTS, EQUIPMENT BASES AND ROUGH BUCKS/BACKING FOR SURFACE-MOUNTED ITEMS.
 - 5. FURRING: PROVIDE FURRING AS REQUIRED TO CONCEAL MECHANICAL AND/OR ELECTRICAL EQUIPMENT IN FINISHED AREAS. FURRING NOT SHOWN ON PLANS

SHALL BE APPROVED BY ARCHITECT PRIOR TO CONSTRUCTION.

ENERGY NOTES

CODE(S): 2018 INTERNATIONAL BUILDING CODE - - - (IBC) 2018 INTERNATIONAL RESIDENTIAL CODE - - - (IRC) 2018 WASHINGTON ENERGY CODE - - - (WEC) ATTICS/CEILINGS: LIGHTING VAPOR RETARDER OF ONE PERM CUP RATING (4 MIL RECESSED LIGHTING FIXTURES INSTALLED IN BUILDING EAVELOPE POLYETHYLENE). INSTALL CONTINUOUSLY SHALL COMPLY WITH WSEC PROVISIONS AND SHALL BE THE WISTED. CLIMATIC ZONE: 4C - MARINE CRAWL SPACE: PIPE INSULATION: SPACE HEAT TYPE: NATURAL GAS, FORCED AIR CONTINUOUS 6 MIL. POLYETHELENE NON RECIRCULATING HOT AND COLD WATER PIPES LOCATED INSULATION VALUES: PRESCRIPTIVE METHOD (ALL NEW AREA) VENTILATION: IN UNCONDITIONED SPACE SHALL BE INSULATED TO R-3 MIN. ATTICS WITH BATTS: R-49/R-38 FLAT ATTICS/CEILINGS: BAFFLE VENT OPENINGS TO DEFLECT AIR ABOVE WHOLE HOUSE VENTILATION: - R-38 FLOORS ------(OVER UNHEATED SPACES) INSULATION SURFACE VENTILATION TO BE SUPPLIED BY FORCED AIR FURNACE - R-38 ENCLOSED JOIST OR RAFTER SPACES: a. FAN SIZE TO BE DESIGNED BY MECHANICAL CONTRACTOR, TO VAULTED CEILINGS: PROVIDE MINIMUM OF ONE INCH CLEAR VENTED AIR SPACE MEET CURRENT WSEC. SLAB-ON-GRADE: -- R-10 ABOVE INSULATION. TAPER OR COMPRESS INSULATION AT R403.1.1 PROGRAMMABLE THERMOSTAT. WHERE THE THERMAL STANDARDS FOR OPENINGS UNLIMITED OPTION PERIMETER TO INSURE PROPER VENTILATION PRIMARY HEATING SYSTEM IS A FORCED-AIR FURNACE, AT HEATING & COOLING: AIR INFILTRATION: MANUFACTURED DOORS/WINDOWS: LEAST ONE THERMOSTAT PER DWELLING UNIT SHALL BE FORCED AIR NATURAL GAS HEATING SYSTEM. CONFORM TO SECTION 502.1.5 OF THE WASHINGTON STATE CAPABLE OF CONTROLLING THE HEATING AND COOLING TEMP. CONTROL: ENERGY CODE SYSTEM ON A DAILY SCHEDULE TO MAINTAIN DIFFERENT FOR HEATING AND COOLING, THERMOSTAT SHALL BE CAPABLE EXTERIOR JOINTS/OPENINGS: TEMPERATURE SET POINTS AT DIFFERENT TIMES OF THE DAY, OF BEING SET FROM 55-85 DEGREES FARENHEIT AND OF SEAL, CAULK, GASKET OR WEATHERSTRIP TO LIMIT AIR THE THERMOSTAT SHALL ALLOW FOR, AT A MINIMUM, A 5-25 OPERATING THE HEATING/COOLING SYSTEM IN SEQUENCE. LEAKAGE AT EXTERIOR JOINTS AROUND WINDOW AND DOOR PROGRAMMABLE SCHEDULE (WEEKDAYS/WEEKENDS) AND THERMOSTAT TO BE AUTOMATIC DAY/NIGHT SETBACK TYPE. FRAMES, OPENINGS BETWEEN WALLS AND FOUNDATION, BE CAPABLE OF PROVIDING AT LEAST TWO PROGRAMMABLE Z BETWEEN WALLS AND ROOF; OPENINGS AT PENETRATIONS DUCT INSULATION: SETBACK PERIODS PER DAY. THIS THERMOSTAT SMALL OF UTILITY SERVICES AND ALL OTHER SUCH OPENINGS IN THERMALLY INSULATE ALL PLENUMS, DUCTS AND ENCLOSURES INCLUDE THE CAPABILITY TO SET BACK OR TEMPEORARILY THE BUILDING ENVELOPE. IN ACCORDANCE WITH TABLE 406.2 OF THE 2018 WASHINGTON OPERATE THE SYSTEM TO MAINTAIN ZONE TEMPERATURES MOISTURE CONTROL: STATE ENERGY CODE. DOWN TO 55°F (13°C) OR UP TO 85°F (29°C). THE VAPOR RETARDER BONDED TO BATT INSULATION; INSTALL . ALL HEATING DUCTS IN UNCONDITIONED SPACES SHALL BE THERMOSTAT SHALL INITIALLY BE PROGRAMMED BY THE WITH STAPLES NOT MORE THAN 8 INCHES ON CENTER AND INSULATED WITH A MIN. OF R-8. ALL SEAM JOINTS SHALL BE TAPED, MANUFACTURER WITH A HEATING TEMPERATURE SET POINT AND WITH A GAP BETWEEN AND OVER FRAMING NOT GREATER SEALED AND FASTENED WITH THE MINIMUM OF FASTENERS PER IHAN_1/16_OF_AN_INCH; OR, VAPOR_REJARDER_OF_ONE_PERM_ ____2018-WSEC. NO HIGHER THAN 70°F (21°C) AND A COOLING PERM CUP RATING (4 MIL POLYETHYLENE)

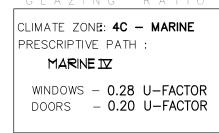
ENERGY CREDITS = 6.0

(PRESCRIPTIVE) TABLE 406.2 ENERGY CREDITS (S		
Option		Credit
HEATING OPTIONS # 2	HEAT PUMP	= 1.0
ENERGY OPTIONS 1.3	EFFICIENT BUILDING ENVELOPE	= 0.5
2.2	AIR LEAKAGE CONTROL & EFFICIENT VENTILATION (COMPLIANCE BASED ON SECT. 402.4.1.2)	N = 1.0
3.5	AIR SOURCE, CENTRALLY DUCTED HEAT PUMP (MINIMUM HSPF OF 11.0)	= 1.5
5.5	EFFICIENCY WATER HEATER (MEETING STANDARDS OF TIER III OF NEEA'S SP	= 2.0 EC.'S)
	6.0 TOTAL ENERGY CREDITS	

ENERGY CODE

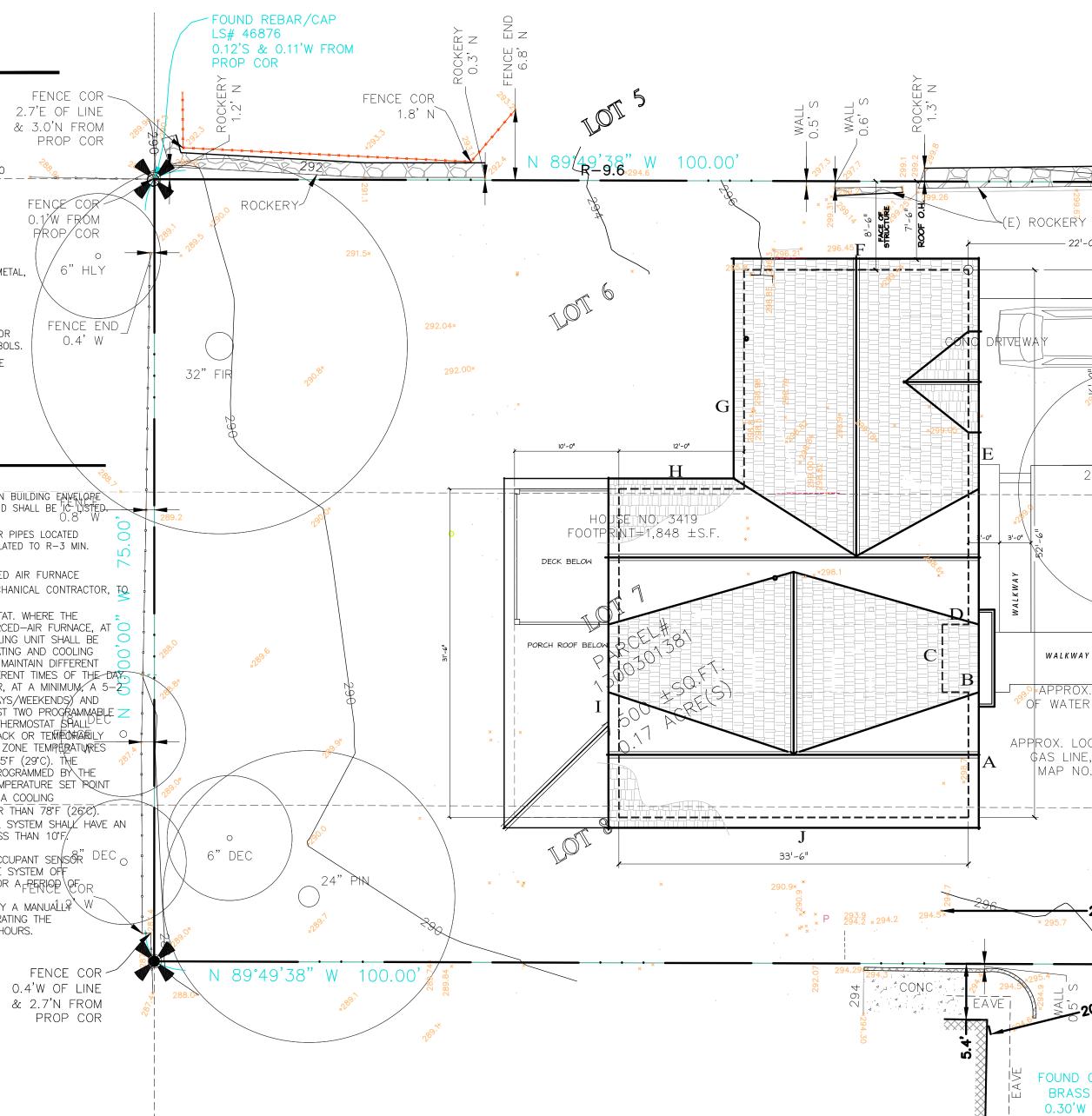
-HEATING SYSTEM IS A NATURAL GAS FURNACE FORCED AIR SYSTEM.

-CONSTRUCTION SHALL ADHERE TO : GLAZING RATIO



- 6. GRADES: VERIFY ALL GRADES AND THEIR RELATIONSHIP TO THE BUILDING(S). 7. FLOOR LINES: "FLOOR LINE" REFERS TO TOP OF CONCRETE SLAB OR TOP OF WOOD SUBFLOOR.
- 8. REPETITIVE FEATURES: OFTEN DRAWN ONLY ONCE AND SHALL BE COMPLETELY PROVIDED AS IF DRAWN IN FULL.
- EDGE OF DOOR, ROUGH OPENING OR CENTERED BETWEEN WALLS AS SHOWN.
- 10. WOOD ON CONCRETE: WOOD MEMBERS IN CONTACT WITH CONCRETE AND/OR EXPOSED TO WEATHER, PROVIDE PRESSURE TREATED SILL PLATES.
- 12. VENTILATION: VENT ALL BATHROOM FANS, LAUNDRY FANS, RANGE HOODS AND DRYERS TO OUTSIDE ATMOSPHERE. BATHROOM/UTILITY ROOM FANS SHALL BE VENTED DIRECTLY TO THE OUTSIDE THROUGH SMOOTH, RIGID, NON-CORROSIVE METAL. 24 GA. DUCTWORK. FLEX DUCTING IS NOT ALLOWED.
- 13. FLUES: FLUES TO BE LOCATED MINIMUM 2" FROM ALL COMBUSTIBLE MATERIALS.
- 14. BASEMENT: NO LPG PROPANE GAS APPLIANCES ARE ALLOWED IN THE BASEMENT. 15. OTHER DOCUMENTATION: REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL AND/OR
- LANDSCAPE DRAWINGS FOR ADDITIONAL DRAWINGS, NOTES, SCHEDULES AND SYMBOLS. **16. PROTECTION:** PROTECT ALL EXISTING FINISHES & SURFACES. ANY DAMAGE TO BE REPAIRED @ NO ADDITIONAL EXPENSE TO OWNER.

EXCEPTIONS: 1. SYSTEMS CONTROLLED BY AN OCCUPANT SENSOR" DEC THAT IS CAPABLE OF SHUTTING THE SYSTEM OFF WHEN NO OCCUPANT IS SENSED FOR A FERIOD OF UP TO 30 MINUTES 2. SYSTEMS CONTROLLED SOLELY BY A MANUALL 2^{1} OPERATED TIMER CAPABLE OF OPERATING THE SYSTEM FOR NO MORE THAN TWO HOURS.

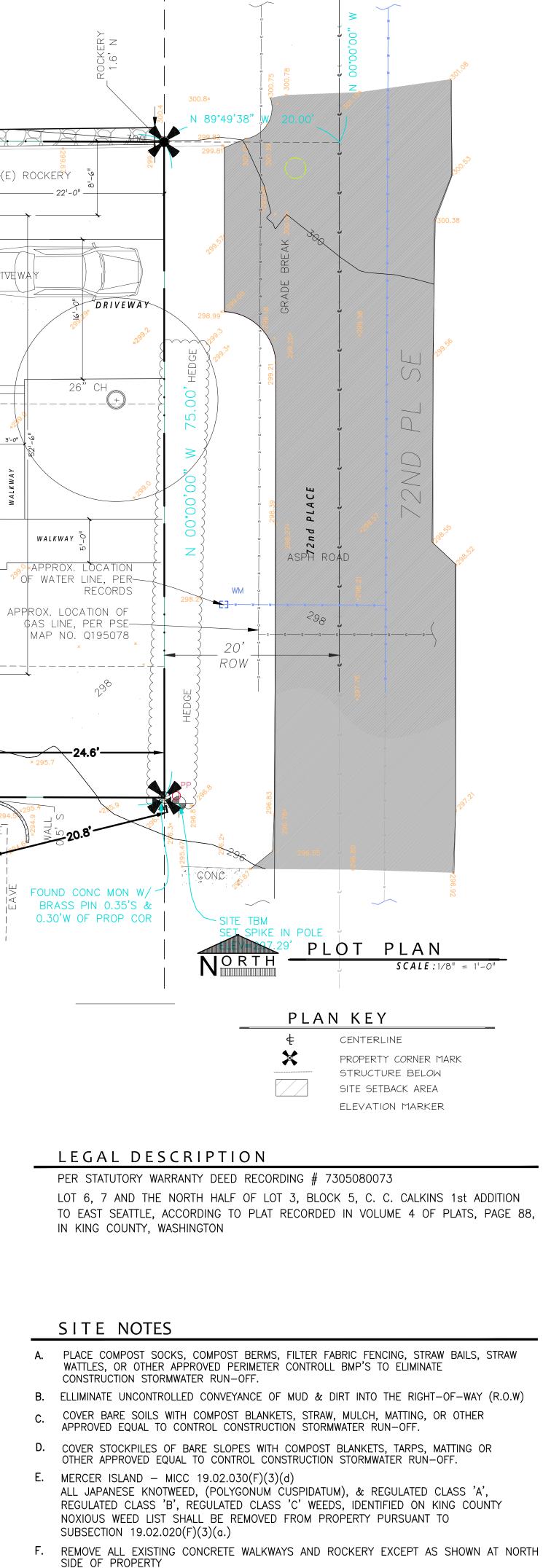


(A.B.E.)

AVER	AGE BU	JILDING	ELEVATION
MARK	WALL LENGTH	GRADE / ELEVATION	CALCULATION
А	12'	+298.7'	5618.5
В	2.5'	+299.0'	1157
С	6.5'	+299.0'	7271
D	2.5'	+299.0'	661
E	34'	+299.0'	7271
F	21.5'	+298.9'	330.5
G	21'	+298.9'	3305
Н	21'	+295.0'	6951
Ι	31.5'	+291.0'	5461.5
J	33.5'	+294.5'	3144.5
TOTAL	= 177'		52,464.4
		A.B.E. = + 296.4'	

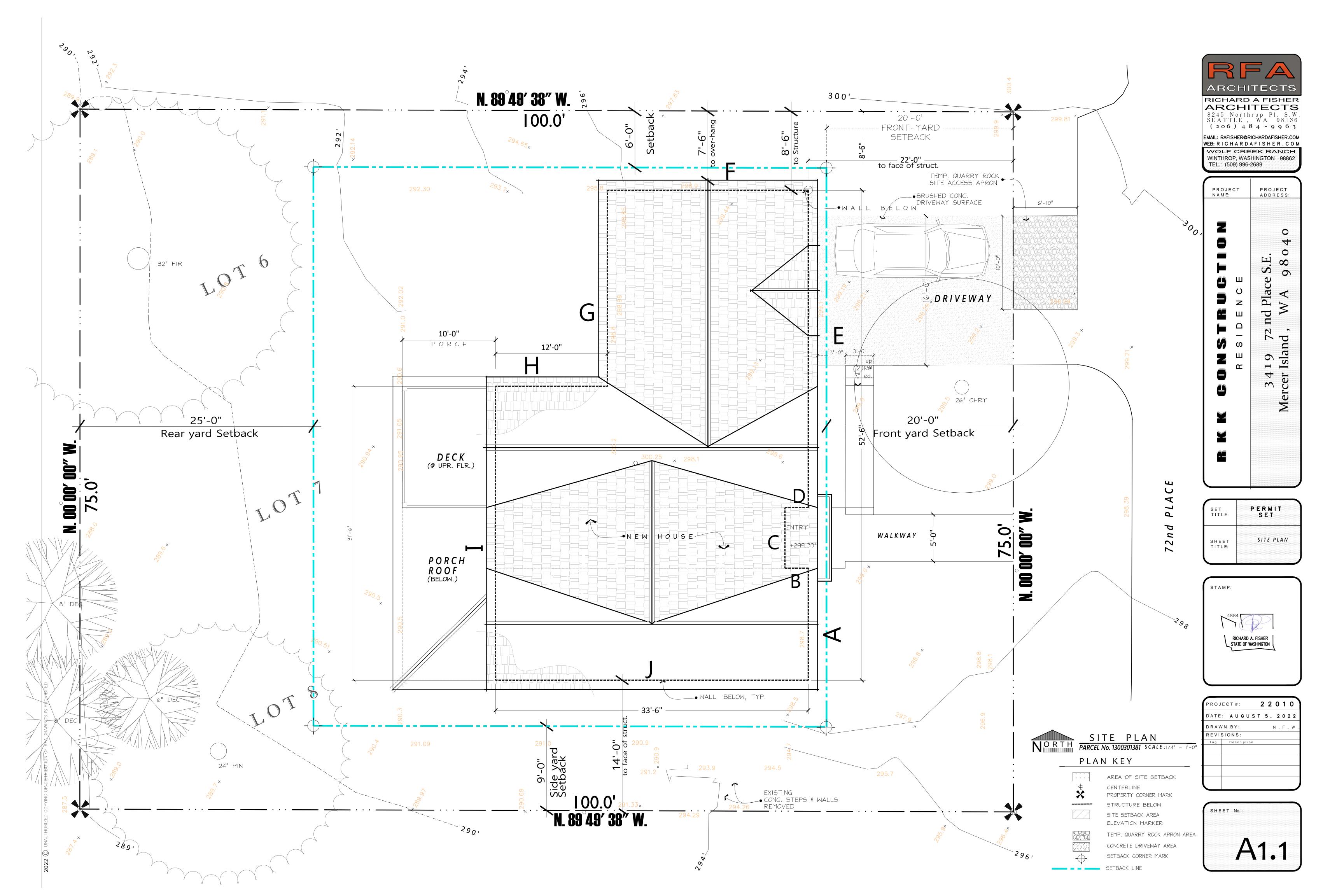
ZONE: R- & LOT: 7.5	
_ 0 T S L 0	500 s.f.
HIGH ELEVATIO	DN = +300'
LOW ELEVATIO DISTANCE BETW	DN =+287.5' VEEN : 125' = 10.0 % S L O P E
GROSS	FLOOR AREA(s) (G.F.A.)
	UPPER FLOOR : 1,509.25 S.F.
	MAIN FLOOR : 1,039 S.F.
	GARAGE : 451.5 S.F. TOTAL G.F.A. = 2,999.75 S.F.
	Or 39.9%
	MAX. G.F.A. = 40% Or 3,000 s.f.
	OVERAGE
MAIN STRUCTU	
MAIN STRUCTU	OVERAGE JRE ROOF AREA : 2,027.75 S.F. Attached Porches)
MAIN STRUCTU (Includes All A	OVERAGE JRE ROOF AREA : 2,027.75 S.F. Attached Porches) E : 336 S.F.
MAIN STRUCTU (Includes All A VEHICULAR USI	OVERAGE JRE ROOF AREA : 2,027.75 S.F. Attached Porches) E : 336 S.F.
MAIN STRUCTU (Includes All A VEHICULAR USI TOTAL COVERA	OVERAGE JRE ROOF AREA : 2,027.75 S.F. Attached Porches) IE : 336 S.F. AGE 2363.75 S.F.
MAIN STRUCTU (Includes All A VEHICULAR USI TOTAL COVERA	OVERAGE JRE ROOF AREA : 2,027.75 S.F. Attached Porches) IE : 336 S.F. AGE 2363.75 S.F. Or 3 1 . 5 %
MAIN STRUCTU (Includes All A VEHICULAR USI TOTAL COVERA LOT H WALKWAY :	OVERAGE JRE ROOF AREA : 2,027.75 S.F. Attached Porches) E : 336 S.F. AGE 2363.75 S.F. Or 3 1 . 5 % MAX. G.F.A. = 40% Or 3,000 s.f. ARDSCAPE 140 S.F.
MAIN STRUCTU (Includes All A VEHICULAR US TOTAL COVERA	$\begin{array}{rcl} OVERAGE\\ \\ JRE ROOF AREA : 2,027.75 S.F.\\ Attached Porches)\\ E : 336 S.F.\\ \\ AGE : 2363.75 S.F.\\ \\ Or : 3.1.5\%\\ \\ \\ MAX. G.F.A. = 40\% \ Or \ 3,000 \ s.f.\\ \\ \hline \\ ARDSCAPE \end{array}$

MAX. HARDSCAPE = 9% or 675 S.F.

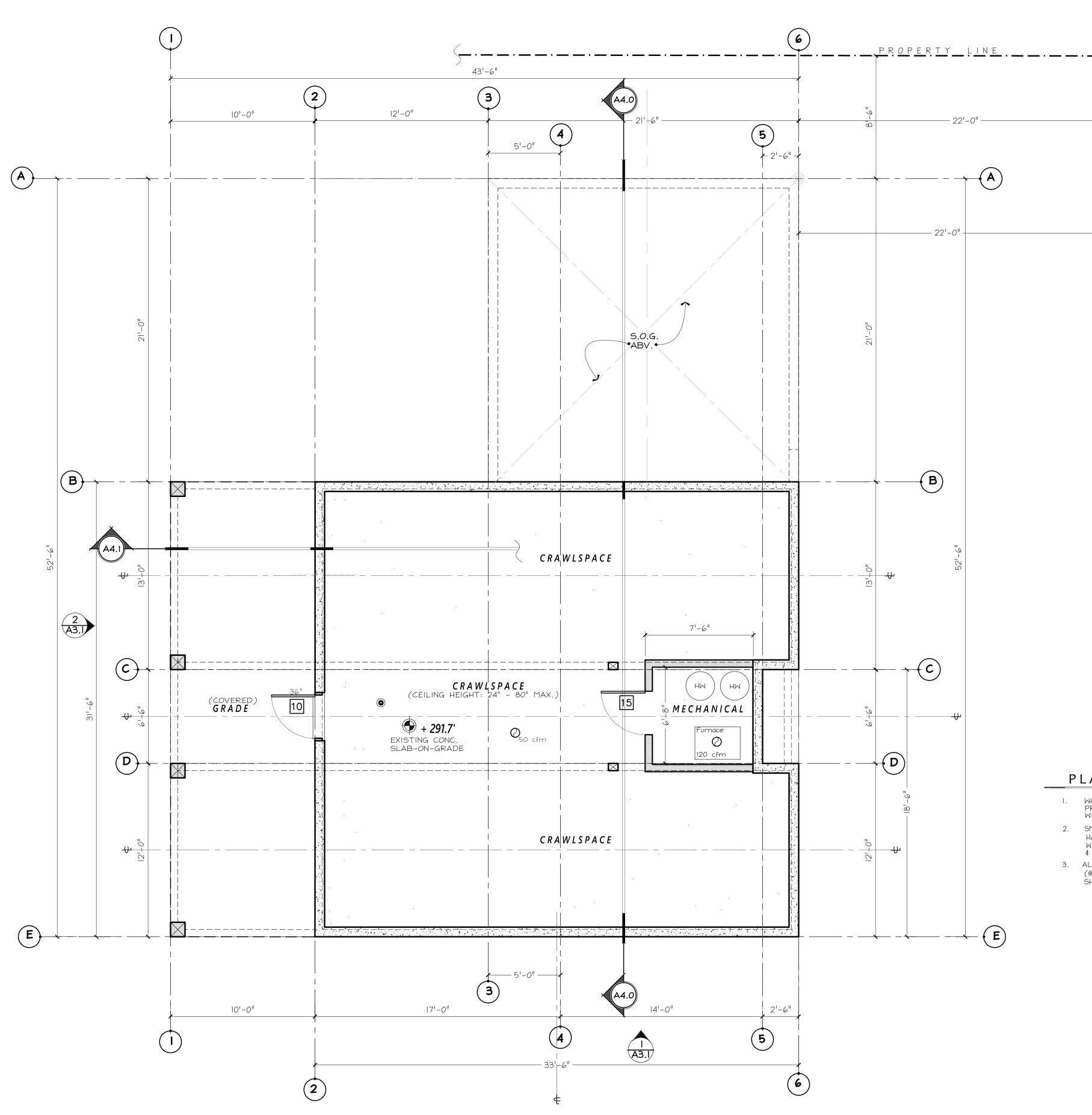


ARCHI RICHARD ARCHI 8245 North SEATTLE, (206)48 EMAIL: RAFISHER®R WEB: RICHARD	rup P1. S.W. WA 98136 8 4 - 9 6 3 RICHARDAFISHER.COM A FISHER.COM A FISHER.COM B EK RANCH SHINGTON 98862		
PROJECT NAME: Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	BECT ADDRESS: 3 4 1 9 72 nd Place S.E. Mercer Island, WA 9 8 0 4 0		
	PERMIT SET NERAL NOTES PLOT PLAN		
STAMP: 4884 RICHARD A. FISHER TRICHARD A. FISHER STATE OF WASHINGTON PROJECT #: 2 2 0 1 0 DATE: A U G U S T 5, 2 0 2 2 DRAWN BY: N.F.W. REVISIONS: Tag Description			
SHEET No.:			

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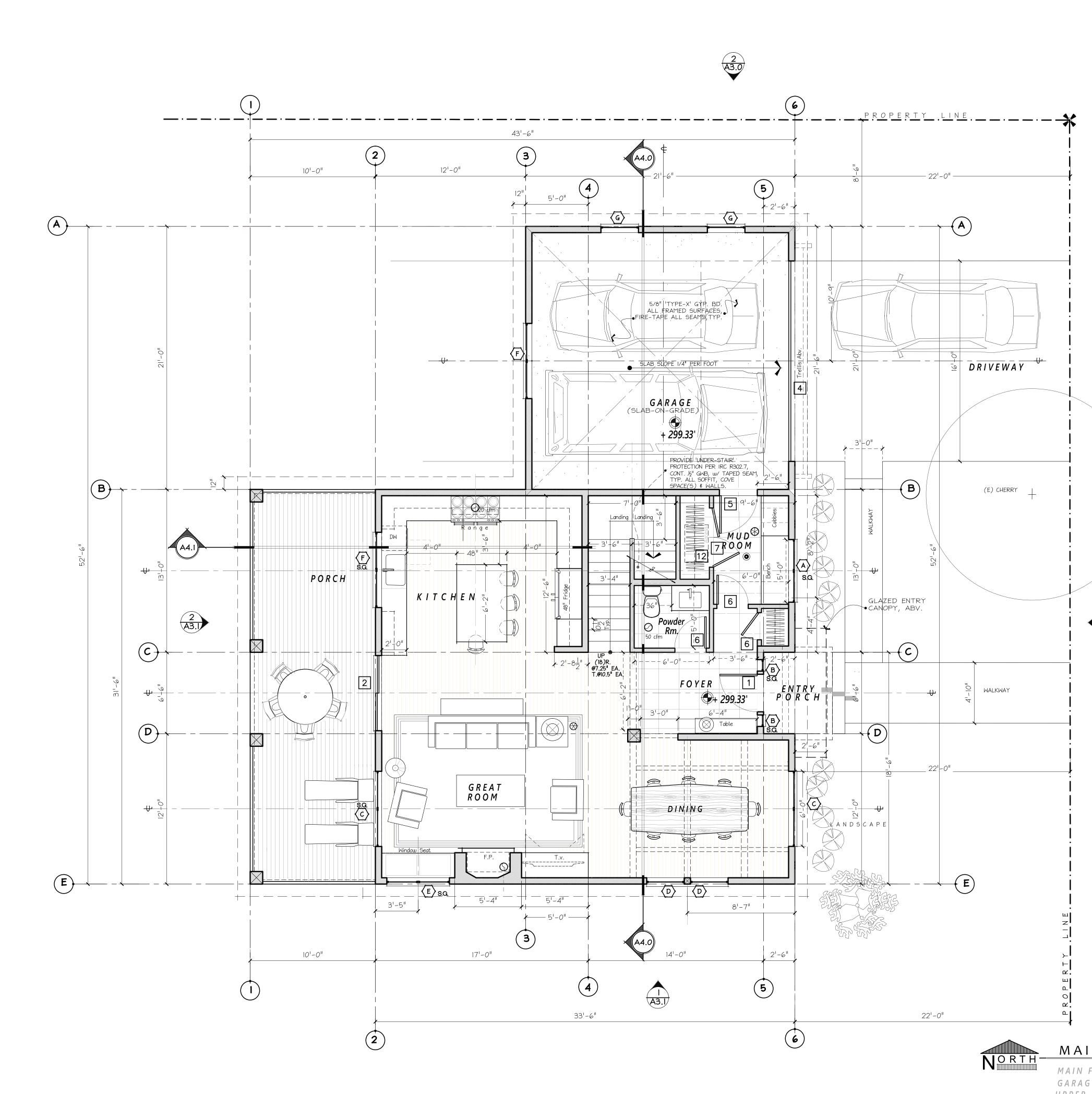


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	$\begin{array}{ c c c c c } D I M E N S I O N \\ (R.O. = w \times h. \end{array}$		NOTES		$\equiv \bigtriangleup$
	3'-0" × 8'-0"	ENTRY	SOLID WD./SAFTEY GLAZE / LOCKSET		
2	(2) 3'-0" X 8'-0	" SLIDER		RICHARD	and the second
3	(2) 3'-0" X 6'-8	EXT. GLASS	'FRENCH-HUNG'	ARCH	ITECT
4	16'-0" × 8'-0"	GARAGE	'CARRIAGE STYLE'	SEATTLE ,	
5	3'-0" X 6'-8"	SEPARATION	I-HR. FIRE RATED w/ INTEGRAL SMOKE GASKETS 'SELF-CLOSER' REQUIRED PER R302.5.1	_	84-996
6	2'-6" × 8'-0"			EMAIL: RAFISHER@F WEB: R I C H A R D	
[7]	(2) 2'-6" × 6'-8			WOLF CRE	
8	2'-6" × 6'-8"			_ TEL.: (509) 996	
9 10	3'-0" × 6'-8" 3'-0" × 6'-0"		'INSULATED ACCESS'		
11	2'-6" X 6'-8"		SLIDER HARDWARE	PROJECT	PROJECT
12	22.5" X 36"	ACCESS	REMOVABLE / INSULATED PANEL	N A M E:	A D D R E S S:
13	22.5" X 48"	ACCESS	INSULATED PULL-DOWN LADDER	-	
14	(2) 2'-2" × 6'-8	" STND. WOOD	CUSTOM SIZE	2	
15	3'-0" × 6'-0"	METAL	CUSTOM SIZE - AIR VENTED DOOR		0
N 0 1	TES:				. 0
3	. 'S.G.' = SAFTE` 2. DOOR 'U-FACT 3. WINDOW 'U-FAC	OR' = 0.20 CTOR' = 0.28			nd Place S.E W A 98
				- Z	$ = \frac{1}{2}$
	$\begin{array}{c} \textbf{D} \ \textbf{I} \ \textbf{M} \ \textbf{E} \ \textbf{N} \ \textbf{S} \ \textbf{I} \ \textbf{O} \ \textbf{N} \ \textbf{S} \\ (R.O. = w \times h.) \end{array}$	TYPE	NOTES	Ш	
<u> </u>	(2) 2'-6" X 5'-0"	CSMNT/CSMNT	EGRESS - SAFETY GLAZE		
2	1'-0" X 5'-0"	SIDELITE	SAFETY GLAZE	υ ()	
$\frac{1}{2}$	2) 3'-0" X 6'-0" 3'-0" X 6'-0"	CSMNT/CSMNT CASEMENT			1 9 Islar
$\frac{1}{5}$	2) 2'-6" X 6'-0"	CSMNT/CSMNT	SAFETY GLAZE		
$\frac{1}{2}$	2) 3'-0" X 4'-6"	CSMNT/CSMNT	EGRESS - SAFETY GLAZE		• • • • • • • • • • • • • • • • • • • •
\vec{k}	3'-0" × 4'-6"	CASEMENT		4	3 4 Mercer
	2) 2'-6" × 4'-6"	CSMNT/CSMNT			Je A
$\mathbf{\hat{\boldsymbol{\lambda}}}$	3'-0" X 3'-0"	CASEMENT			2
	2) 3'-0" X 5'-0"	CSMNT/CSMNT			
:>	3'-0" X 5'-0"	CASEMENT			
₹ †					
-	2) 2'-6" X 4'-6"	CSMNT/CSMNT			
	2'-6" X 3'-6"	CASEMENT			
> > N O T I.	$2'-6" \times 3'-6"$ $3'-0" \times 2'-6"$ $2'-6" \times 4'-0"$ E S : 'S.G.' = SAFTEY GL	CASEMENT TRANSOM CASEMENT		SET	PERMIT
N O T	$2^{1}-6^{11} \times 3^{1}-6^{11}$ $3^{1}-0^{11} \times 2^{1}-6^{11}$ $2^{1}-6^{11} \times 4^{1}-0^{11}$ E S :	CASEMENT TRANSOM CASEMENT AZING. = 0.20		SET TITLE:	SET
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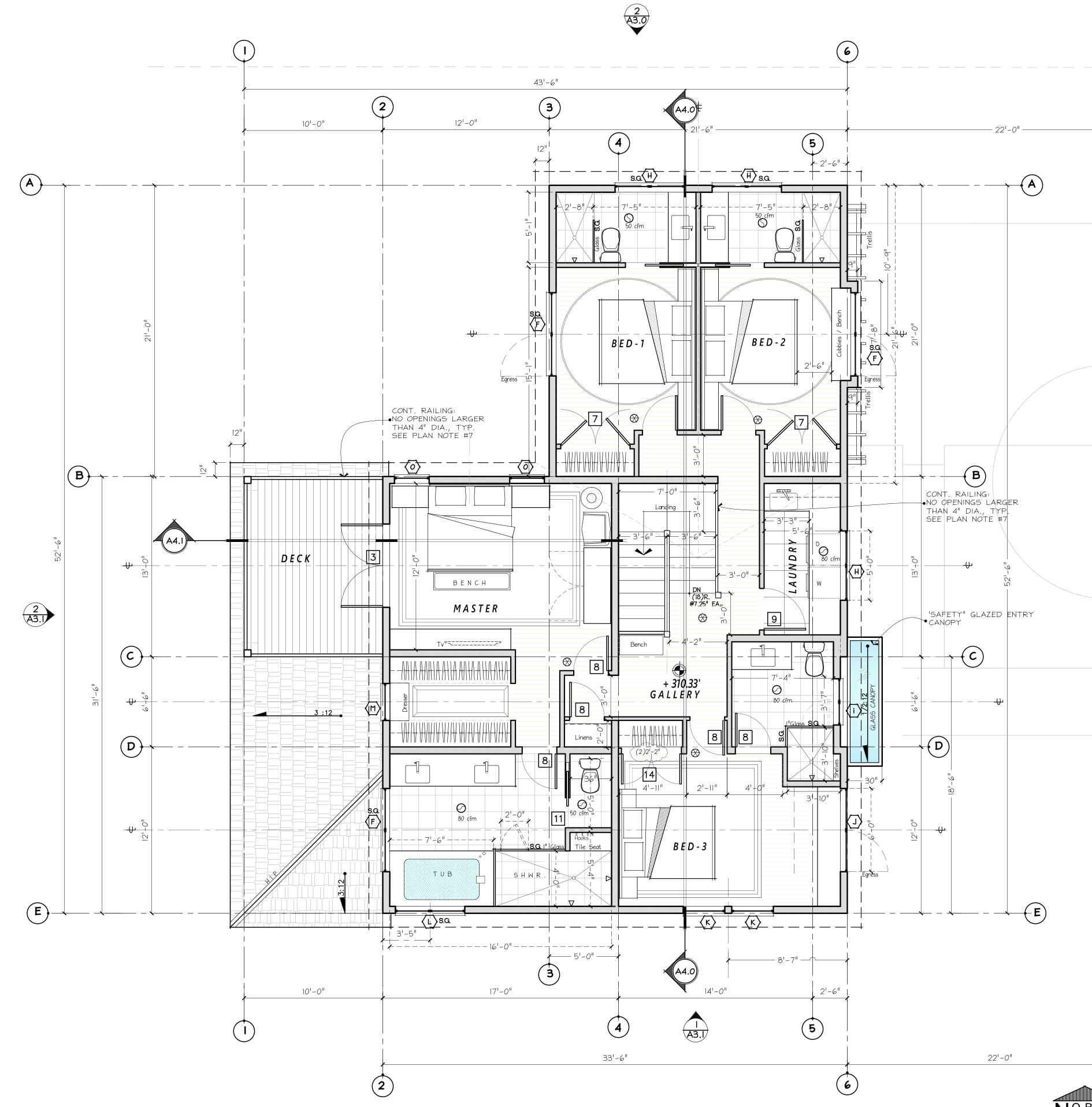
I. WHC PRC WIT 2. SMC HAR WIT ¢ IN	A Duc N NOTES	ARC RICHA ARC 8245 N SEATT (206 EMAIL: RAFISI WEB: RICH WINTHROF TEL.: (509 PROJEC NAME: 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	T PROJECT ADDRESS: T PROJECT ADDRESS: T PROJECT ADDRESS: T PROJECT ADDRESS: T PROJECT ADDRESS: T PROJECT ADDRESS: T PROJECT ADDRESS:
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S.G. © ¢ N FLOOR P CLOOR AREA : E AREA : FLOOR AREA :	SAFTEY-GLAZING CARBON MONOXIDE DETECTOR (APPROVED PER IRC315.1) CENTERLINE SETBACK LINE PROPERTY LINE AREA OF PERVIOUS DECKING PLAN SCALE: 1/4" = 1'-0"	SHEET	

MAIN FL GARAGE AREA : UPPER FLOOR AREA : TOTAL AREA:

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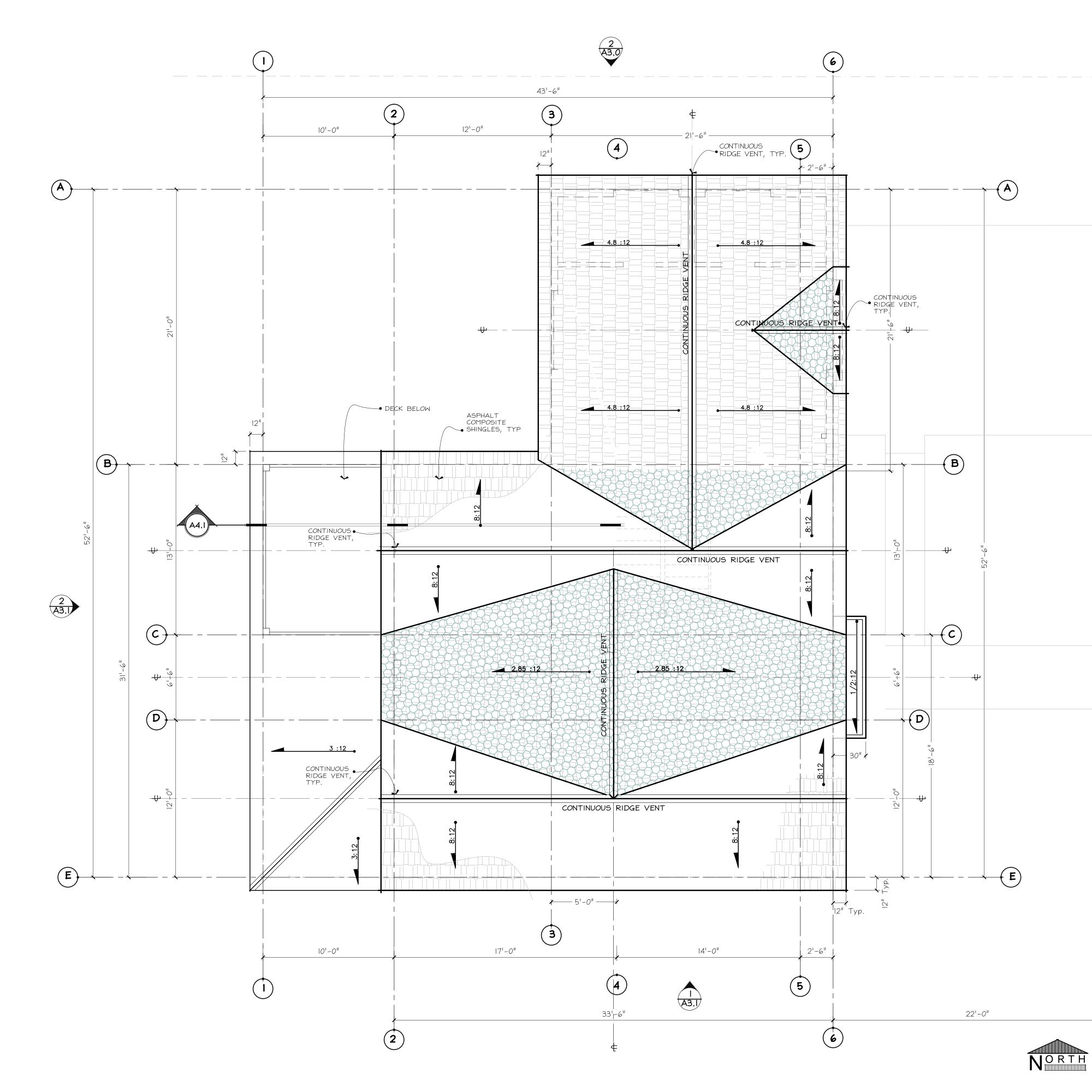
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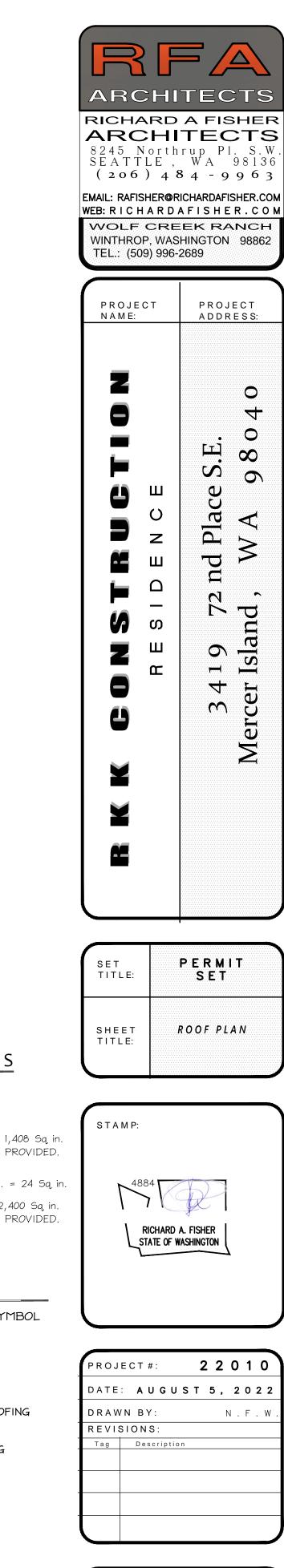


NORTH

		RICHARD A FISHER ARCHITECTS B 2 4 5 N or thrup P1. S.W. S E A T T L E , WA 98136 (206) 484-9963 EMAIL: RAFISHER®RICHARDAFISHER.COM WOLF CREEK RANCH WINTHROP, WASHINGTON 98862 TEL.: (509) 996-2689
		PROJECT PROJECT NAME: ADDRESS:
		F R U C T I O I D E N C E W A 9 8 0 4 C
		R E S - I 9 72 Island,
		Mercer 34
	 PROVIDE BY FORCED AIR FURNACE WITH DIRECT OUTSIDE AIR. 2. SMOKE DETECTORS SHALL BE HARD-WIRED ¢ PROVIDED IN EXISTING SPACES WITH BATTERY BACK-UP PER IRC 313 ¢ INSTALLED PER IRC 314.2.2 	
1 A3.0	 STAIR HANDRAILS TO CONFORM TO I.R.C. SECT. 311.5.6. ω/ 36" ht. FROM TREAD NOSING, TYP. 	
	4. ALL OUTLETS @ COUNTER HEIGHT, (@BATHS, KITCHEN, LAUNDRY) SHALL BE G.F.C.I.	SET PERMIT TITLE: SET
	5. DO NOT SCALE OFF DRAWINGS, NOTED DIMENSIONS SHALL @ ALL TIMES TAKE PRECEDENT. DIMS. ARE TO FACE OF FRAMING, TYPWDW. \$ DOOR DIMS. ARE TO ROUGH OPENING	SHEET TITLE:
	 6. SEE SHEET A2.0 FOR WINDOW & DOOR SCHEDULE. 7. CONTRACTOR SHALL VERIFY 	
	TO INSPECTOR ALL GUARDS & RAILINGS SHALL BE CAPABLE OF RESISTING 200 Lb. LOAD ON TOP RAIL ACTING IN ANY DIRECTION AS REQUIRED BY IRC TABLE R301.5.	STAMP:
	 8. 36" MECHANICAL RM. DOOR: PER IMC SECTION 303.3, ALL COMBUSTIBLE AIR MUST BE TAKEN FROM OUTDOORS IN ACCORDANCE WITH IMC CHAPTER 7. MECHANICAL RM. DOORS SHALL BE SOLID CORE WITH EXTERIOR WEATHER STRIPPING & APPROVED SELF-CLOSING DEVICE. 9. SEE SHEET A2.0 FOR WINDOW & DOOR SCHEDULES. 	RICHARD A. FISHER STATE OF WASHINGTON
	PLAN KEY	
	 .4:12 ► ROOF PITCH & DIRECTION SYMBOL 	PROJECT #: 22010
	 4" PARTITION WALL SMOKE DETECTOR O_{X cfm} MECHANICAL VENT FAN (CUBIC FEET PER MINUTE) ELEVATION MARKER SAFTEY-GLAZING 	DATE: AUGUST 5, 2022 DRAWN BY: N.F.W. REVISIONS: Tag Description
	CARBON MONOXIDE DETECTOR (APPROVED PER IRC315.1) CENTERLINE	
	SETBACK LINE	
UPPER FLO	ROOF OVER-HANG ABOVE	SHEET No.:
<u> </u>	SCALE: $1/4^{"} = 1'-0"$	A2.2

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SHEET NO.: A2.3

1 A3.0

ATTIC CALCULATIONS

WHOLE HOUSE ATTIC AREA: 1509 S.F. CALCULATION 1509 / 300 = 5.03 SQ. IN. = 724 Sq. in. RIDGE VENT PROVIDED: 88 L.F. X 16 Sq.In. = 1,408 Sq. in. PROVIDED.

SOFFIT VENTS PROVIDED: 100 L.F. X 24 Sq.In. = 24 Sq in. . = 2,400 Sq in. PROVIDED.

PLAN KEY

 4:12
 ROOF PITCH & DIRECTION SYMBOL

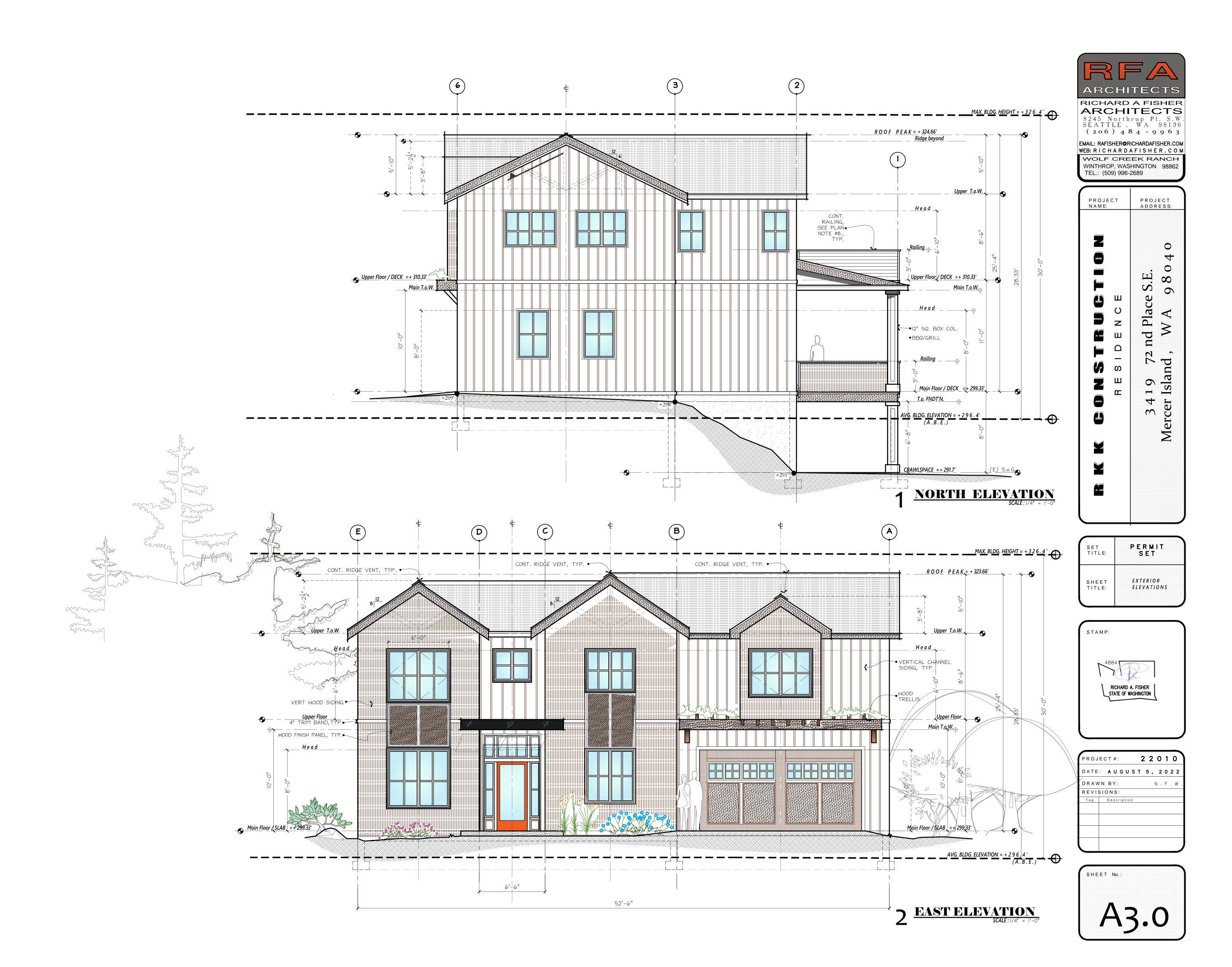
 WALL BELOW
 WALL BELOW

 CENTERLINE
 AREA OF ASPHALT COMP. ROOFING

 AREA OF ROOF OVER-FRAMING
 AREA OF ROOF OVER-FRAMING

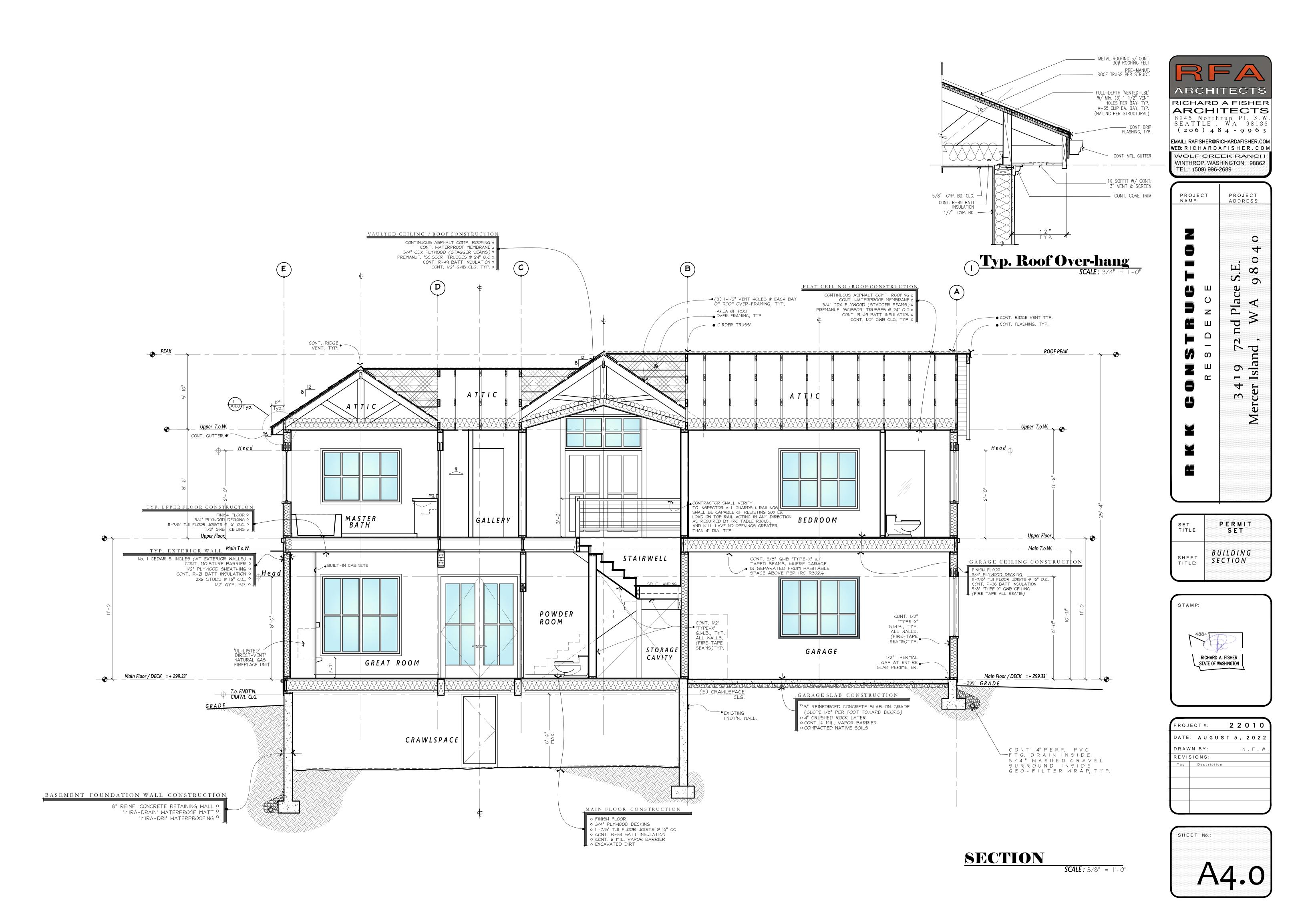
UPPER FLOOR PLAN SCALE: 1/4" = 1'-0"

 $2022~{
m C}$ unauthorized copying or distribution of rfa drawings is prohibite



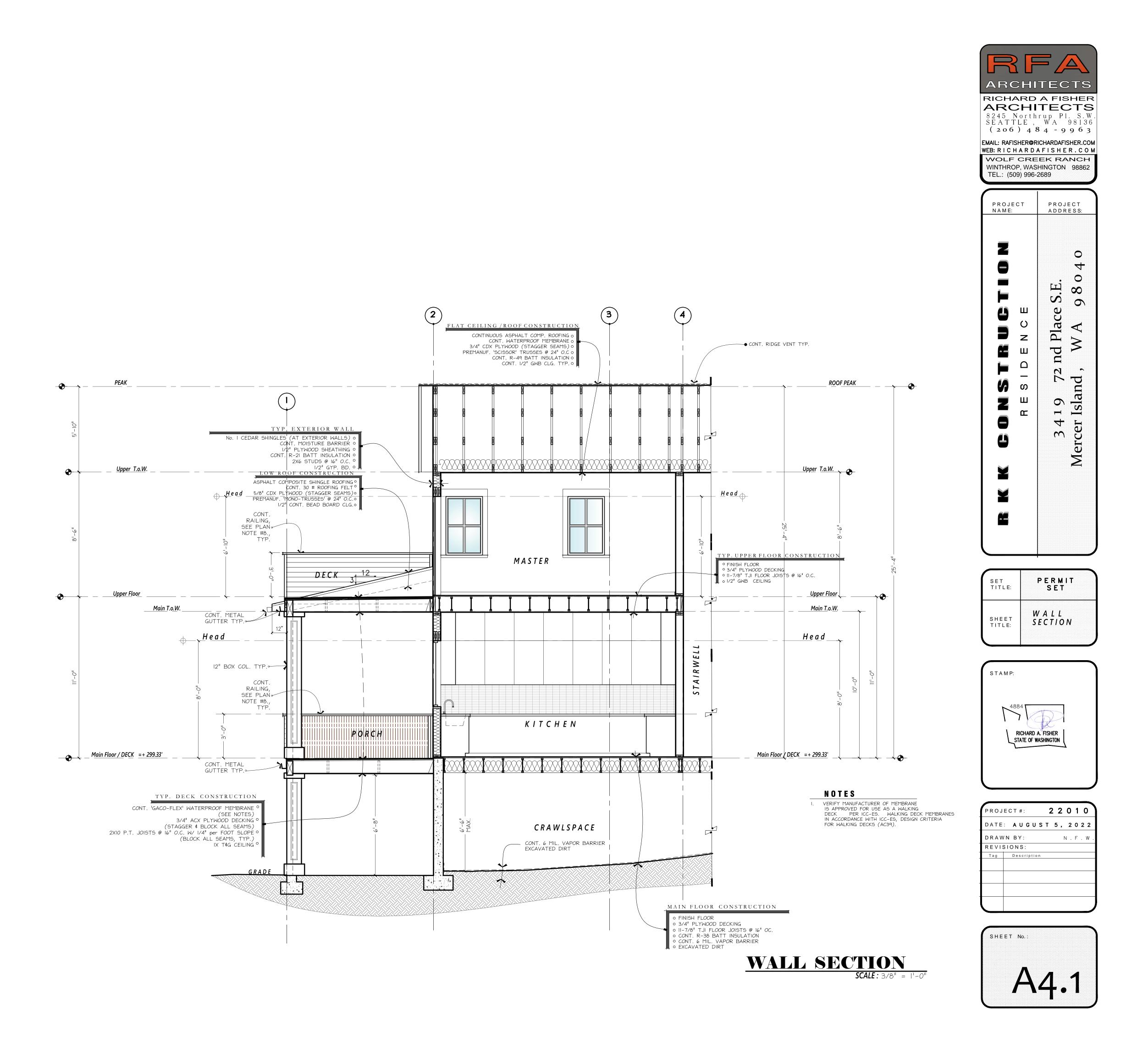


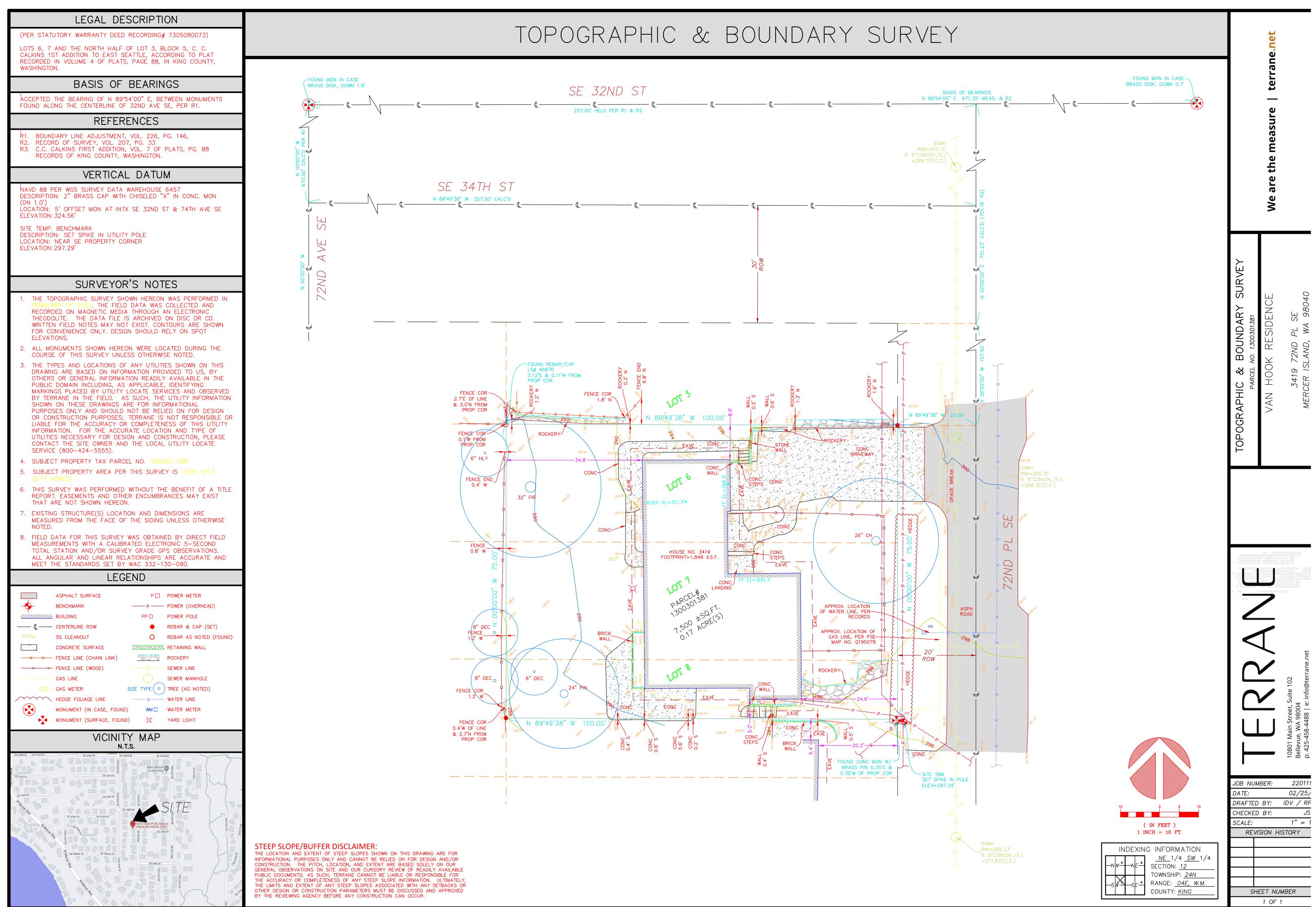




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2022 (C) unauthorized copying or distribution of rfa drawings is prohibite





LEGAL DESCRIPTION

PER STATUTORY WARRANTY DEED RECORDING #7305080073)

LOTS 6, 7 AND THE NORTH HALF OF LOT 3, BLOCK 5, C. C. CALKINS 1ST ADDITION TO EAST SEATTLE, ACCORDING TO PLAT RECORDED IN VOLUME 4 OF PLATS, PAGE 88, IN KING COUNTY, WASHINGTON.

ORGANIC SOIL REQUIREMENT



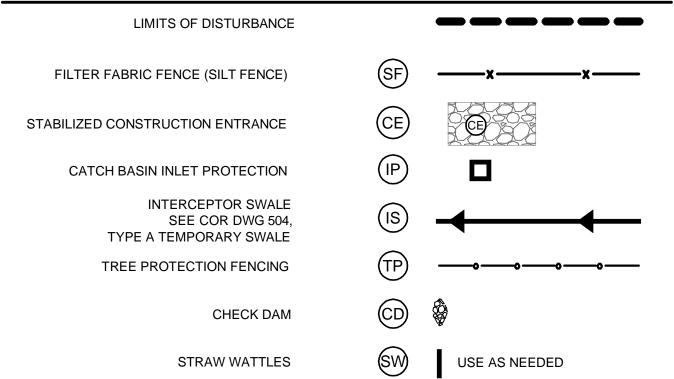
SOIL AMENDMENT REQUIRED

COMPOST AMENDED SOIL REQUIRED ON ALL LANDSCAPED AREAS AFTER CONSTRUCTION. SEE DETAIL ON C3.5.

ESTIMATED TOPSOIL IMPORT = 31 CY

SOIL INSPECTION REQUIRED BY ENGINEER A POST CONSTRUCTION INSPECTION & CERTIFICATION OF AMENDED SOILS IS REQUIRED BY A LICENSED CIVIL ENGINEER. THIS IS REQUIRED BEFORE FINAL SIGN-OFF BY CITY.

EROSION CONTROL LEGEND



TREE PROTECTION NOTES (SOURCED FROM ARBORIST)

(REF: SEATTLE TREE CONSULTING, DOUGLAS SMITH, CERTIFIED ARBORIST)

-FOR THE TREES BEING RETAINED, TREE PROTECTION FENCING SHOULD BE INSTALLED AT THE OUTER EDGE OF THE DRIP LINE OR AS CLOSE TO IT AS IS PRACTICALLY POSSIBLE.

-FENCING SHOULD BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITIES AND REMAIN IN PLACE FOR THE DURATION OF THE PROJECT. FENCING SHOULD ONLY BE MOVED TEMPORARILY IF MINOR DISTURBANCES MUST OCCUR WITHIN THE DRIP LINE AND THE FENCING SHOULD BE REPLACED IMMEDIATELY ONCE THAT PORTION OF THE WORK IS COMPLETED.

-THE TREE PROTECTION AREA IS DESIGNATED TO BE AN AREA OF NO IMPACT, NO STORING OF MATERIALS, NO ENCROACHMENT AND NO STAGING OF DEBRIS.

-THE TREE PROTECTION FENCING SHOULD HAVE SIGNS EVERY 8' FACING ACCESS THAT INDICATE THE AREA IS A TREE PROTECTION ZONE.

-TRENCHING THROUGH THE CRZ FOR UTILITIES IS NOT PERMITTED (TUNNELING IS THE PREFERRED METHOD).

-GRADE CHANGES IN THE CRZ ARE NOT PERMITTED.

-VEHICLE MAINTENANCE AND WASHING OF EQUIPMENT (ESPECIALLY CONCRETE), IS NOT PERMITTED.

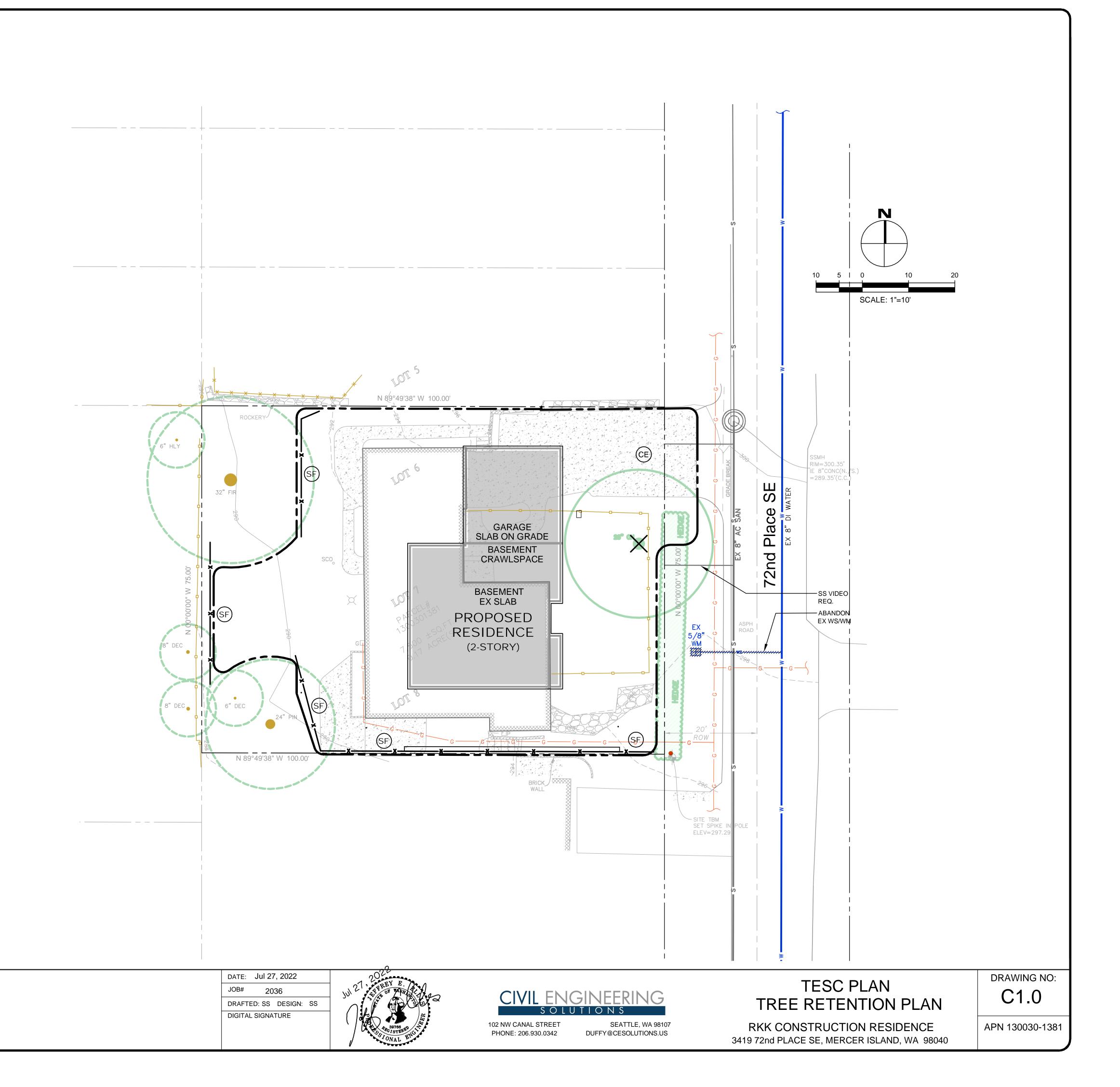
-NO ATTACHING ANYTHING TO THE TREE WITH CINCHING KNOTS OR HARDWARE.

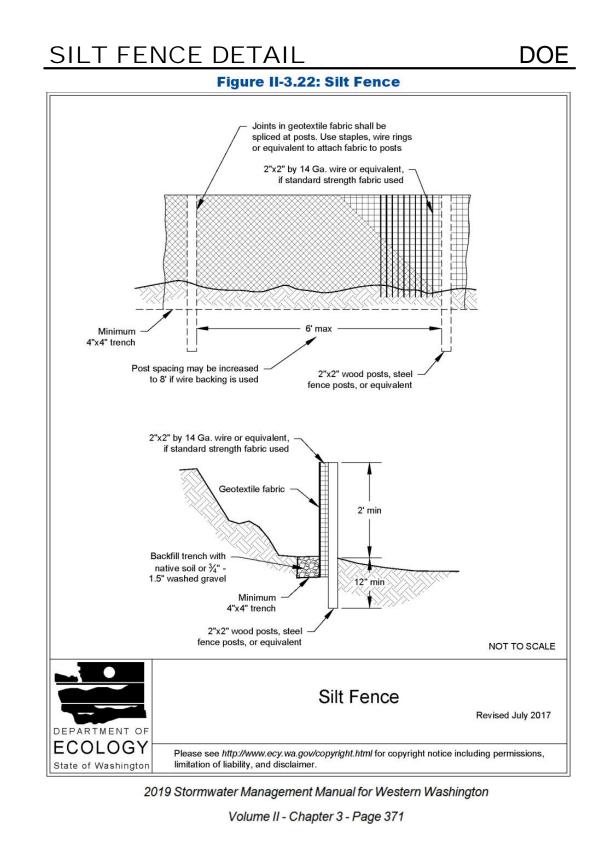
-ROOT FLARE SHOULD BE PROTECTED WITH CHIPS SO THAT LAWN MAINTENANCE EQUIPMENT DOES NOT HAVE TO WORK CLOSE TO THE SYSTEM.

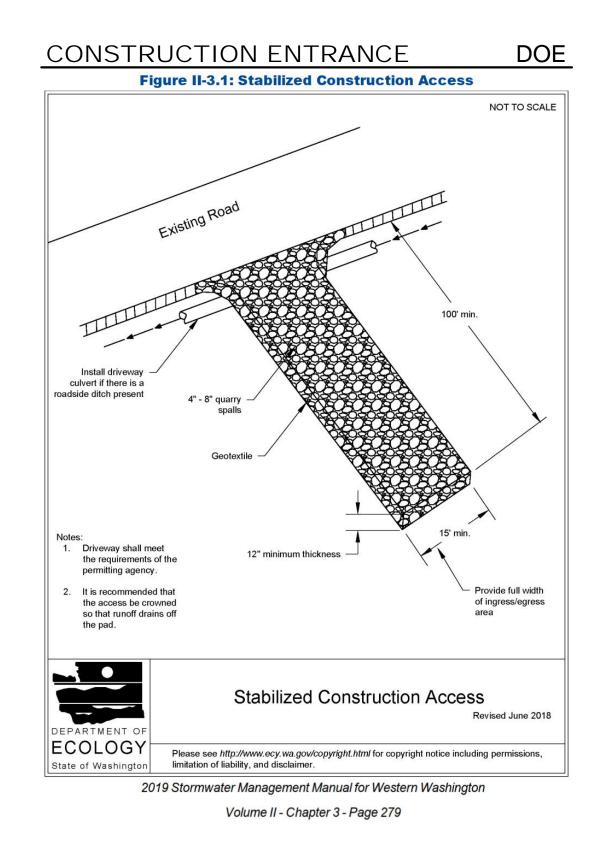
-PROPER CLEARANCES SHOULD BE MONITORED.

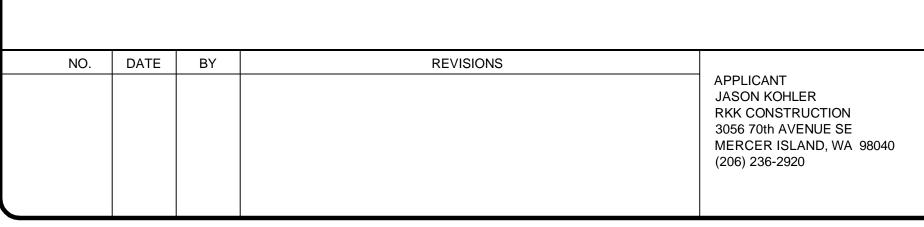
-THE CRZ OR CRITICAL ROOT ZONE NEEDS TO BE PROTECTED. THE INNER CRZ IS 50 % OF THE RADIUS OF THE CRZ AND THERE SHOULD BE ZERO DISTURBANCE IN THIS ZONE. A DISTURBANCE OF UP TO 33 % OF THE OUTER CRZ IS PERMISSIBLE PROVIDED THAT ANY HEAVY DIGGING EQUIPMENT WORKS TOWARD THE TREE, AND THAT ANY ROOTS ENCOUNTERED THAT ARE OVER 1" IN DIAMETER ARE EXCAVATED AROUND WITH HAND TOOLS AND CUT CLEAN WITH A SHARP SAW BEHIND THE EXCAVATION ZONE SO THAT THE ROOT CAN BIFURCATE AND CONTINUE TO GROW. IN SOME CASES, IF EXCESSIVE PRUNING HAS BEEN DONE, THE CRZ CAN BE LARGER THAN THE DRIP LINE RADIUS.

NO.	DATE	BY	REVISIONS	
				APPLICANT JASON KOHLER RKK CONSTRUCTION 3056 70th AVENUE SE MERCER ISLAND, WA 98040 (206) 236-2920









A DETAILED CONSTRUCTION SEQUENCE IS NEEDED TO ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE APPLIED AT THE APPROPRIATE TIMES. A RECOMMENDED CONSTRUCTION SEQUENCE IS PROVIDED BELOW:

11. RELOCATE SURFACE SURFACE WATER CONTROLS OR TESC MEASURES, OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE, THE TESC IS ALWAYS IN ACCORDANCE WITH CITY OF MERCER ISLAND TESC REQUIREMENTS.

12. COVER ALL AREAS THAT WILL BE UN-WORKED FOR MORE THAN SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPT 30) OR TWO DAYS DURING THE WET SEASON (OCT 1 TO APRIL 30) WITH STRAW, WOOD FIBER MULCH, COMPOST, PLASTIC SHEETING, OR EQUIVALENT.

ALL DENUDED AREAS MUST BE STABILIZED WITHIN 2 DAYS OF GRADING. IF AN EROSION PROBLEM ALREADY EXISTS ON THE SITE. OTHER COVER PROTECTION AND EROSION CONTROL WILL BE REQUIRED.

RECOMMENDED CONSTRUCTION SEQUENCE

1. HOLD AN ONSITE PRE-CONSTRUCTION MEETING.

2. POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR (MAY BE CONSOLIDATED WITH THE REQUIRED NOTICE OF CONSTRUCTION SIGN).

3. FLAG OR FENCE CLEARING LIMITS.

4. INSTALL CATCH BASIN PROTECTION, IF REQUIRED,

5. GRADE AND INSTALL CONSTRUCTION ENTRANCE(S).

6. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC.)

7. CONSTRUCT SEDIMENT PONDS AND TRAPS.

8. GRADE AND STABILIZE CONSTRUCTION ROADS.

9. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.

10. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH CITY OF MERCER ISLAND STANDARDS AND MANUFACTURER'S RECOMMENDATIONS.

13. STABILIZE ALL AREAS WITHIN SEVEN DAYS OF REACHING FINAL GRADE.

14. SEED, SOD, STABILIZE, OR COVER ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.

15. UPON COMPLETION OF THE PROJECT, STABILIZE ALL DISTURBED AREAS AND REMOVE BMPS IF APPROPRIATE.

DENUDED AREAS REQUIREMENTS

APRIL 1 TO SEPT 30

ALL DENUDED AREAS MUST BE STABILIZED WITHIN 7 DAYS OF CONSTRUCTION. PLEASE READ ALL CITY TESC NOTES ON SHEET C1.2.

OCT 1 TO MARCH 31

EROSION CONTROL NOTES

D.8.2 STANDARD ESC PLAN NOTES THE STANDARD ESC PLAN NOTES MUST BE INCLUDED ON ALL ESC PLANS. AT THE APPLICANT'S DISCRETION, NOTES THAT IN NO WAY APPLY TO THE PROJECT MAY BE OMITTED; HOWEVER, THE REMAINING NOTES MUST NOT BE RENUMBERED. FOR EXAMPLE, IF ESC NOTE #3 WERE OMITTED, THE REMAINING NOTES SHOULD BE NUMBERED 1, 2, 4, 5, 6, ETC.

1. APPROVAL OF THIS EROSION AND SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).

2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.

3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY SURVEY TAPE OR FENCING, IF REQUIRED, PRIOR TO CONSTRUCTION (SWDM APPENDIX D). DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.

4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT TO ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.

5. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.

6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVER MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, PERIMETER PROTECTION ETC.) AS DIRECTED BY CITY OF MERCER ISLAND.

7. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES.

8. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).

9. ANY AREA NEEDING ESC MEASURES THAT DO NOT REQUIRE IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.

10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH DURING THE DRY SEASON, BI-MONTHLY DURING THE WET SEASON, OR WITHIN TWENTY FOUR (24) HOURS FOLLOWING A STORM EVENT.

11. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.

12. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE ROUGH GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.

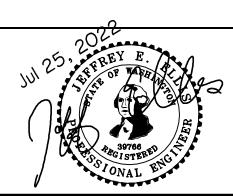
13. COVER MEASURES WILL BE APPLIED IN CONFORMANCE WITH APPENDIX D OF THE SURFACE WATER DESIGN MANUAL

14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON.

DATE: Jul 25, 2022

JOB# 2036 DRAFTED: SS DESIGN: DE

DIGITAL SIGNATURE





CITY NOTES

1.	ANY CHANGES TO THE APPROVED PLANS REQUIRES CITY APPROVAL THROUGH
	A REVISION.

- 2. APPLICANT IS RESPONSIBLE FOR ANY DAMAGES TO UNDERGROUND UTILITIES CAUSED FROM THIS CONSTRUCTION.
- 3. CATCH BASIN FILTERS SHOULD BE PROVIDED FOR ALL STORM DRAIN CATCH BASINS/INLETS DOWNSLOPE AND WITHIN 500 FEET OF THE CONSTRUCTION AREA. CATCH BASIN FILTERS SHOULD BE DESIGNED BY THE MANUFACTURER FOR USE AT CONSTRUCTION SITES AND APPROVED BY THE CITY INSPECTOR. CATCH BASIN FILTERS SHOULD BE INSPECTED FREQUENTLY, ESPECIALLY AFTER STORM EVENTS. IF THE FILTER BECOMES CLOGGED, IT SHOULD BE CLEANED OR REPLACED.
- 4. CONTRACTORS SHALL VERIFY LOCATIONS AND DEPTHS OF UTILITES.

5. AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, CALL "ONE CALL" AT 1.800.424.5555

- 6. DO NOT BACKFILL WITH NATIVE MATERIAL ON PUBLIC RIGHT-OF-WAY. ALL MATERIAL MUST BE IMPORTED
- 7. EROSION CONTROL: ALL "LAND DISTURBING ACTIVITY" IS SUBJECT TO PROVISIONS OF MERCER ISLAND ORDINANCE 95C-118 "STORM WATER MANAGEMENT." SPECIFIC ITEMS TO BE FOLLOWED AT YOUR SITE:
- 8. PROTECT ADJACENT PROPERTIES FROM ANY INCREASED RUNOFF OR SEDIMENTATION DUE TO THE CONSTRUCTION PROJECT THROUGH THE USE OF APPROPRIATE "BEST MANAGEMENT PRACTICES" (BMP) EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, SEDIMENT TRAPS, SEDIMENT PONDS, FILTER FABRIC FENCES, VEGETATIVE BUFFER STRIPS OR BIOENGINEERED SWALES.
- 9. CONSTRUCTION ACCESS TO THE SITE SHOULD BE LIMITED TO ONE ROUTE. STABILIZE ENTRANCE WITH QUARRY SPALLS TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING THE STORM DRAINS.
- 10. PREVENT SEDIMENT, CONSTRUCTION DEBRIS, PAINTS, SOLVENTS, ETC., OR OTHER TYPES OF POLLUTION FROM ENTERING PUBLIC STORM DRAINS. KEEP ALL POLLUTION ON YOUR SITE.
- 11. ALL EXPOSED SOILS SHALL REMAIN DENUDED FOR NO LONGER THAN SEVEN (7) DAYS AND SHALL BE STABILIZED WITH MULCH, HAY, OR THE APPROPRIATE GROUND COVER. ALL EXPOSED SOILS SHALL BE COVERED IMMEDIATELY DURING ANY RAIN EVENT.
- 12. INSTALLATION OF CONCRETE DRIVEWAYS, TREES, SHRUBS, IRRIGATION, BOULDERS, BERMS, WALLS, GATES, AND OTHER IMPROVEMENTS ARE NOT ALLOWED IN THE PUBLIC RIGHT-OF-WAY WITHOUT PRIOR APPROVAL, AND AN ENCROACHMENT AGREEMENT AND RIGHT OF WAY PERMIT FROM THE SENIOR DEVELOPMENT ENGINEER.
- 13. OWNER SHALL CONTROL DISCHARGE OF SURFACE DRAINAGE RUNOFF FROM EXISTING AND NEW IMPERVIOUS AREAS IN A RESPONSIBLE MANNER. CONSTRUCTION OF NEW GUTTERS AND DOWNSPOUTS, DRY WELLS, LEVEL SPREADERS OR DOWNSTREAM CONVEYANCE PIPE MAY BE NECESSARY TO MINIMIZE DRAINAGE IMPACT TO YOUR NEIGHBORS. CONSTRUCTION OF MINIMUM DRAINAGE IMPROVEMENTS SHOWN OR CALLED OUT ON THIS PLAN DOES NOT IMPLY RELIEF FROM CIVIL LIABILITY FOR YOUR DOWNSTREAM DRAINAGE.
- 14. POT HOLING THE PUBLIC UTILITIES IS REQUIRED PRIOR TO ANY GRADING ACTIVITIES LESS THAN 6" OVER THE PUBLIC MAINS (WATER, SEWER AND STORM SYSTEMS). IF THERE IS A CONFLICT, THE APPLICANT IS REQUIRED TO SUBMIT A REVISION FOR APPROVAL PRIOR TO ANY GRADING ACTIVITIES OVER THE PUBLIC MAINS.
- 15. REMEMBER: EROSION CONTROL IS YOUR FIRST INSPECTION.

16. ROOF DRAINS MUST BE CONNECTED TO THE STORM DRAIN SYSTEM AND INSPECTED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY BACKFILLING OF PIPE.

- 17. SILENT FENCE: CLEAN AND PROVIDE REGULAR MAINTENANCE OF THE SILT FENCE. THE FENCE IS TO REMAIN VERTICAL AND IS TO FUNCTION PROPERLY THROUGHOUT THE TERM OF THE PROJECT.
- 18. WORK IN PUBLIC RIGHT OF WAY REQUIRES A RIGHT-OF-WAY USE PERMIT.
- 19. REFER TO WATER SERVICE PERMIT FOR ACTUAL LOCATION OF NEW WATER METER AND SERVICE LINE DETERMINED BY MERCER ISLAND WATER DEPARTMENT.
- 16. THE TV INSPECTION OF THE EXISTING SIDE SEWER TO THE CITY SEWER MAIN IS REQUIRED. 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. ALTERNATELY, A PRESSURE TEST OF THE SIDE SEWER, FROM SEWER MAIN TO POINT OF CONNECTION, MAY BE SUBSTITUTED FOR THE VIDEO INSPECTION.
- 20. NEWLY INSTALLED SIDE SEWER REQUIRES A 4 P.S.I. AIR TEST OR PROVIDE 10' OF HYDROSTATIC HEAD TEST.
- 21. POT HOLING THE PUBLIC UTILITIES IS REQUIRED PRIOR TO ANY GRADING ACTIVITIES LESS THAN 6" OVER THE PUBLIC MAINS (WATER, SEWER AND STORM SYSTEMS). IF THERE IS A CONFLICT, THE APPLICANT IS REQUIRED TO SUBMIT A REVISION FOR APPROVAL PRIOR TO ANY GRADING ACTIVITIES OVER THE PUBLIC MAINS.
- 22. THE LIMITS AND EXTENDS OF THE PAVEMENT IN THE PUBLIC RIGHT OF WAY SHALL BE DETERMINED BY THE CITY ENGINEER PRIOR TO FINALIZE THE PROJECT.

TESC & CITY NOTES TESC DETAILS

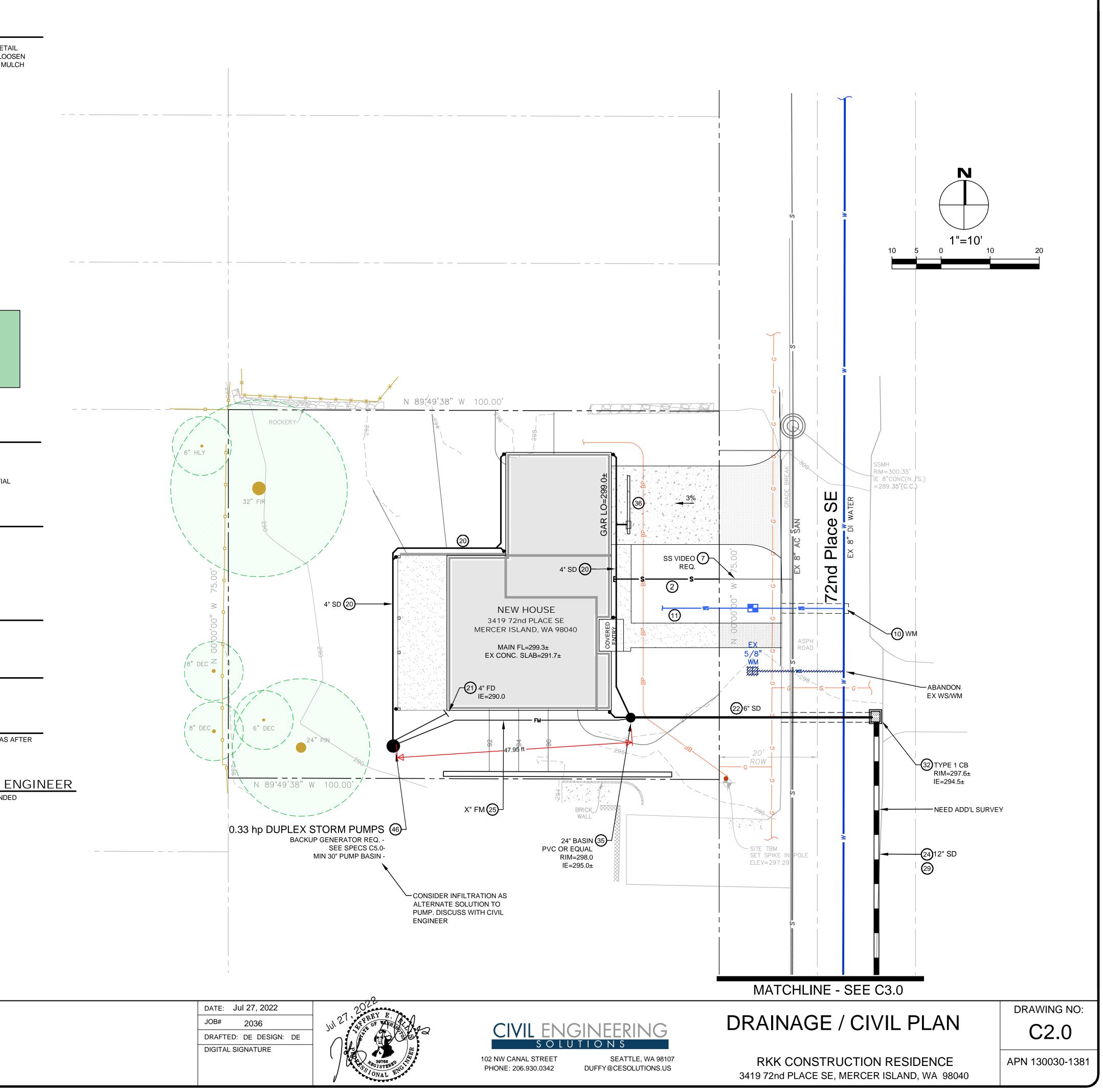
RKK CONSTRUCTION RESIDENCE

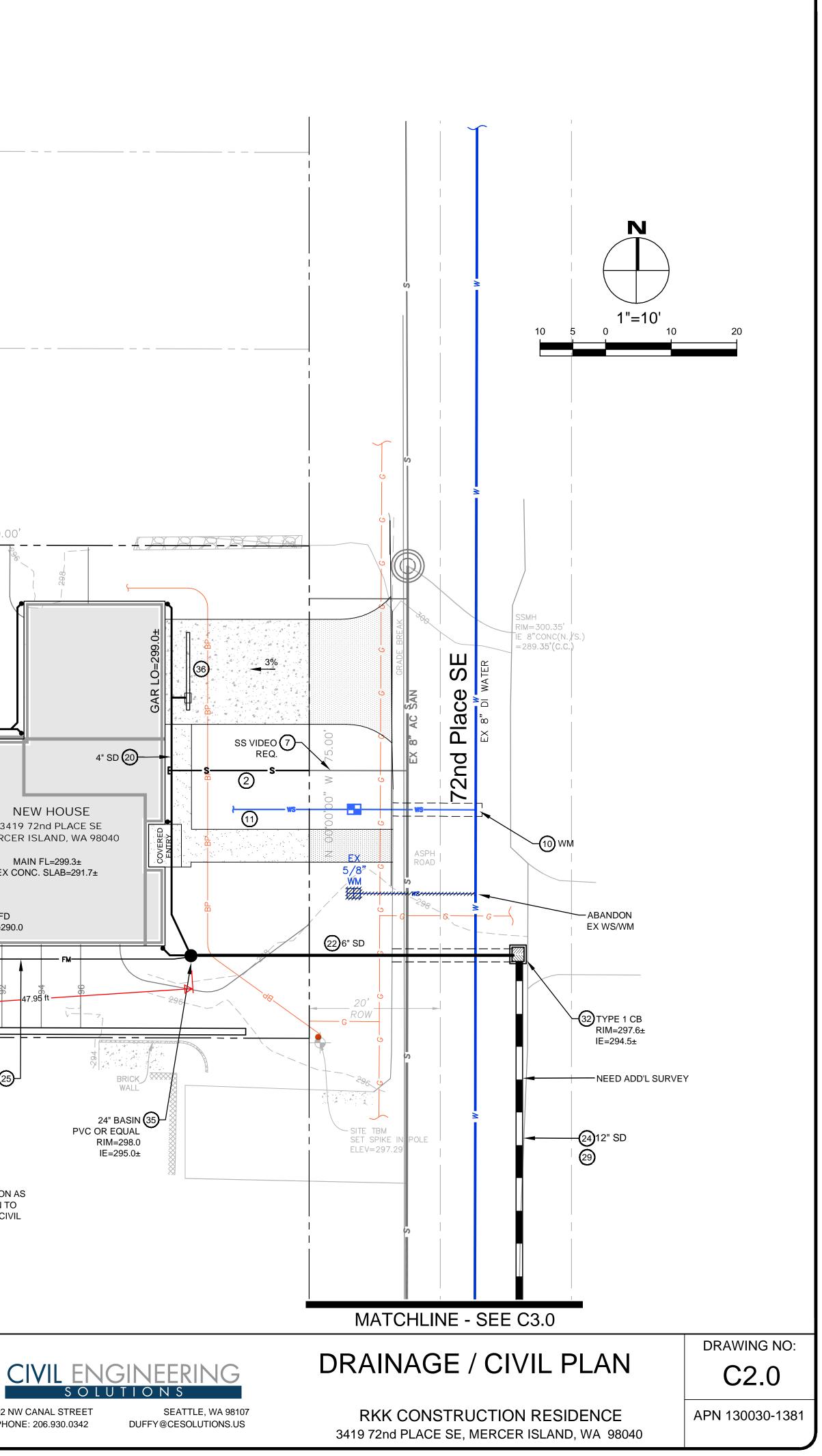
3419 72nd PLACE SE, MERCER ISLAND, WA 98040

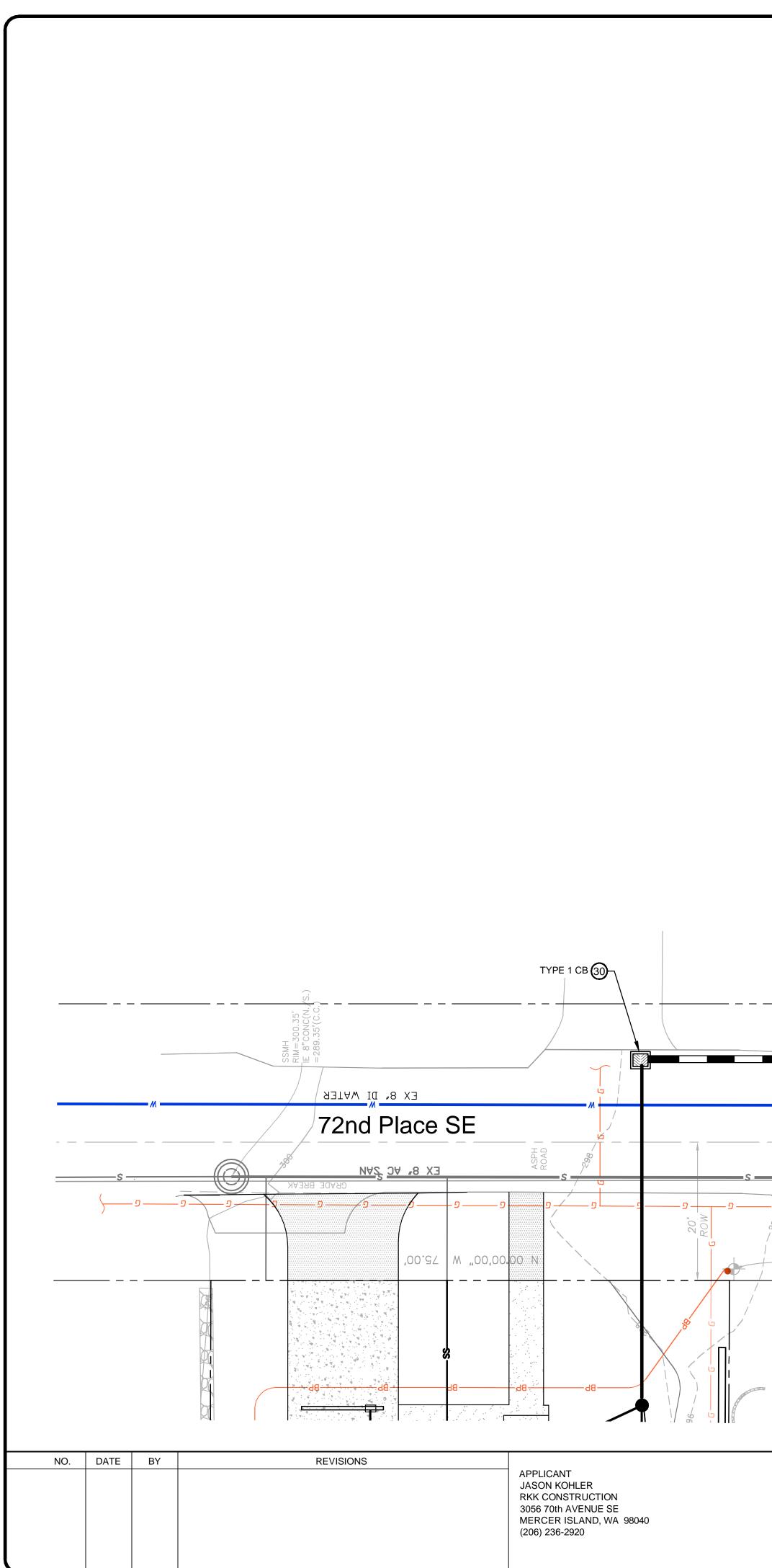
DRAWING NO: C1.2

APN 130030-1381

SANITARY SEWER IMPROVEMENTS	STORM BMP's	
1 - 2 -6" SDR 35 PVC SANITARY SEWER(SS) @ MIN 1.0 %.	 -COMPOST AMENDED SOIL TO ALL DISTURBED AREAS (SEE DETAIL SHEET C3.5). TILL 2-3" OF COMPOST INTO UPPER 8" OF SOIL. LOOSEN COMPACTED SUBSOIL, IF NEEDED BY RIPPING TO 12" DEPTH. MULCH 	
3 -	LANDSCAPE BEDS AFTER PLANTING.	
<u>4</u> -	(51) -	
O -LOCATE AND VIDEO CONDITION OF EXISTING SANITARY SIDE SEWER. REPLACE LINE IF FOUND DEFECTIVE AS DETERMINED BY CITY INSPECTOR.	(52) - (53) -	
WATER IMPROVEMENTS		
-EW SF RESIDENTIAL WATER SERVICE & METER PIT. CONFIRM REQUIRED SIZE WITH BUILDING PERMIT REVIEW. INSTALL PER MERCER ISLAND DETAIL W-13, W-14, OR W-14A DEPENDING ON SIZE REQUIREMENT.	(54) - (55) -	
-1.5" 250 PSI PRIVATE HDPE WATER (ASTM D2239) FROM METER TO HOUSE. RECOMMENDED DEPTH=36". COORDINATE HOUSE ENTRY WITH BUILDER/OWNER.	56 -	
12) -	57 -	
14) -	<u>58</u>	
-		
STORM DRAIN		
-4" STORM DRAIN (3034 PVC) @ MIN 2 % GRADE	MINIMUM 10% ORGANIC -	
-4" FOUNDATION DRAIN (3034 PVC) @ MIN 1 % GRADE 22 -6" STORM DRAIN (3034 PVC) @ MIN 2 % GRADE	COMPOST & MULCH	
23 -	REQUIRED	
24 -12" STORM DRAIN (HDPE N12 OR EQUAL). SEE PROFILE SHEET.		× × × × × × × × × × × × × × × × × × ×
25 -STORM DRAIN FORCE MAIN @ MIN. 30" DEPTH		N 89(49'38" W
26 -	SOILS	ROCKERY
	NO REPORT FOR THIS PROJECT, TO ENGINEER'S KNOWLEDGE	6" HLY
28 -	MERCER ISLAND SHOWS GLACIAL TILL	
BED & TRENCH PIPE. COMPACT TRENCH TO 95 % STD PROCTOR UNDER PAVED AREAS.	MERCER ISLAND INFILTRATION MAP SHOWS MODERATE POTENTIAL	
		32" FIR
STORM DRAIN STRUCTURES	SURVEYOR TOPOGRAPHIC SURVEY BY:	
30 -	TERRANE 10801 MAIN STREET, SUITE 102 DELLEVIUE WAR 00001	
3) -	BELLEVUE, WA 98004 PHONE 425-458-4488	
32 -TYPE 1 CB WITH SOLID LID		
33 -TYPE 40 CB (OR EQUAL), SPILL CONTROL STYLE. PROVIDE RISOR WITH TURNED-DOWN ELBOW IN DRIVEWAY.	VERTICAL DATUM	4" SD 20 → Katha and A
34) -	NAVD 88 PER WGS SURVEY DATA WAREHOUSE 6457 SEE SURVEY	
35 -		
36 -6" WIDE NDS DURASLOPE CHANNEL DRAIN OR EQUAL. CLASS B VEHICLE RATED GRATE.	LEGAL DESCRIPTION	$/8"$ DEC \geq
39 -	SEE C1.0	
40 -		
	SOIL AMENDMENT REQUIRED	8" DEC
4) - -	COMPOST AMENDED SOIL REQUIRED ON ALL LANDSCAPED AREAS AFTER CONSTRUCTION. SEE DETAIL ON C3.5.	
43 -48" ID DUPLEX STORM PUMP STRUCTURE. SOLID LID. SEE PROIFLE -C4.0 FOR DEPTH CALCULATION. SEE PUMP CYCLE FLOATS FOR 18"		
-PUMP CYCLE. SEE PUMP SPECS ON SHEET C4.0. 40 -DUPLEX STORM PUMPS REQUIRED. USE MIN 30" DIAMETER RIBBED	SOIL INSPECTION REQUIRED BY ENGINEER	N 89°49'38" W 100.00'
PVC BASIN. SEE C5.0 FOR ALL PUMP DETAILS AND ASSOCIATED CALCULATIONS.	A POST CONSTRUCTION INSPECTION & CERTIFICATION OF AMENDED SOILS IS REQUIRED BY A LICENSED CIVIL ENGINEER. THIS IS REQUIRED BEFORE FINAL SIGN-OFF BY CITY.	X" I
4 ∂ -		0.33 hp DUPLEX STORM PUMPS 46
		BACKUP GENERATOR REQ SEE SPECS C5.0-
48 -		MIN 30" PUMP BASIN -
		CONSIDER INFILTR ALTERNATE SOLUT PUMP. DISCUSS WI
		ENGINEER
D. DATE BY REVISIONS		DATE: Jul 27, 2022
	APPLICANT JASON KOHLER	JOB# 2036
	RKK CONSTRUCTION	
	RKK CONSTRUCTION 3056 70th AVENUE SE MERCER ISLAND, WA 98040 (206) 236-2920	DRAFTED: DE DESIGN: DE DIGITAL SIGNATURE



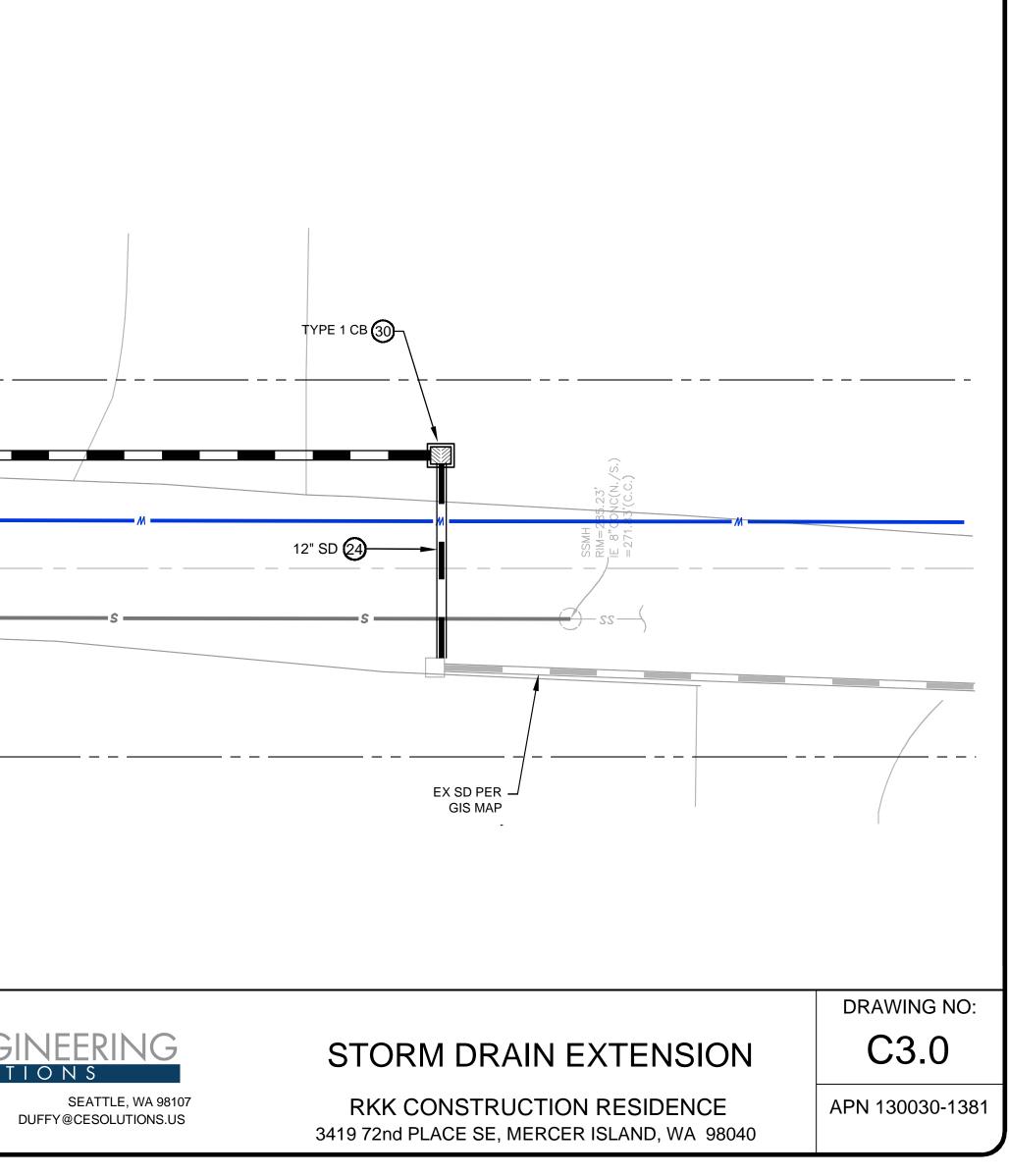




PROFILE PENDING

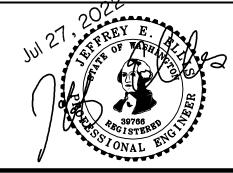
12" STORM DRAIN EXTENSION

M		ONAL SURVEY TO FIN	ALIZE DESIGN A	ND PROFILE
SET SPIKE IN ELEV=297.29	sss			S
	DATE: JUI 27 JOB# 20 DRAFTED: SS DIGITAL SIGNA	36 DESIGN: DE		CIVIL ENGINE



NO.	DATE	BY	REVISIONS	
				APPLICANT JASON KOHLER RKK CONSTRUCTION 3056 70th AVENUE SE MERCER ISLAND, WA 98040 (206) 236-2920

DATE: JUI 27, 2022 JOB# 2036 DRAFTED: SS DESIGN: SS DIGITAL SIGNATURE





MINIMUM 10% ORGANIC -COMPOST SOIL REQUIRED

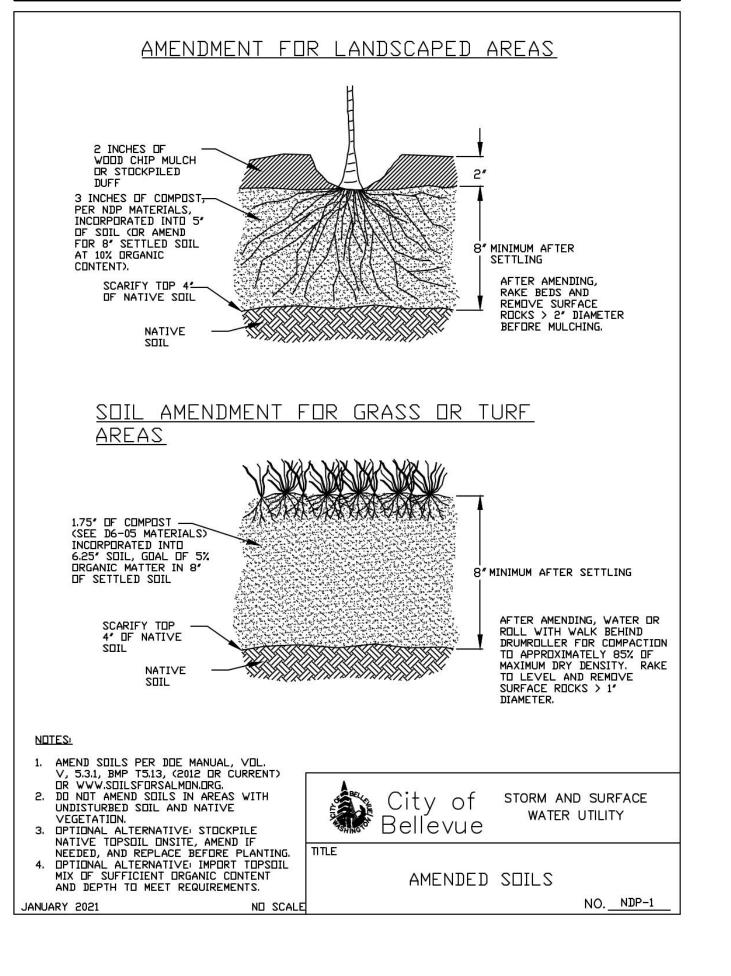
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COMPOST AMENDED SOIL REQUIRED ON ALL LANDSCAPED AREAS AFTER CONSTRUCTION. SEE DETAIL BELOW.

SOIL INSPECTION REQUIRED BY ENGINEER A POST CONSTRUCTION INSPECTION & CERTIFICATION OF AMENDED SOILS IS REQUIRED BY A LICENSED CIVIL ENGINEER.

THIS IS REQUIRED BEFORE FINAL SIGN-OFF BY CITY.

COMPOST AMENDED SOIL SPEC



RHOMBUS 122 PANEL

MODEL 122 Control Panel

Single phase, duplex alternating pump control with override.

The Model 122 control panel is designed to alternately control two 120, 208, or 240 VAC single phase pumps in water and sewage installations. The controller is provided with a pump selector switch that can be set to alternate the pumps to equal-ize wear or to call either pump to activate first with the other pump to activate in lag condition. If an alarm occurs, the alarm activates the audible-visual system. The alarm conditions include: high water, float out-of-sequence, pump fail-to-run, seal failure (optional). Common applications include: lift stations, pump chambers, and irrigation systems.

PANEL COMPONENTS

- 1. Enclosure measures 12x10x6 inches (30.48x24.4x15.24). Choice of NEMA 1 (steel for indoor use) or NEMA 4X (ultraviolet stabilized thermoplastic, padlockable with integral mounting flanges, drip shield, (2) heavy duty cover latches, and stainless steel ¼ turn set screw; for outdoor or indoor use).
- Note: added options may change enclosure size and enclosure features. 2. Magnetic Motor Contactors control pumps by switching electrical lines.
- 3. Circuit Breakers (optional) provide pump disconnect and branch circuit protection.

4. Ground Lugs

- 5. Duplex Controller provides pump control, alternation and alarm; elevated in the enclosure for easy access and field wiring a. HOA switches for manual control Hand/Off/Automatic
- b. Control Power ON/OFF switch
- c. Power ON green LED indicator d. Float status red LED indicators
- e. Float push-to-test buttons
- f. Pump selector switch: Alt, 1-lead 2-lag, 2-lead 1 lag
- g. Auxiliary alarm contacts Form-C h. Terminal block: incoming power
- i. Terminal block: float switches
- j. Option: adjustable seal failure circuits and red LED indicators (must select option 5E when ordering)

NOTE: Schematic Diagram is located inside the panel on enclosure cover. STANDARD ALARM PACKAGE

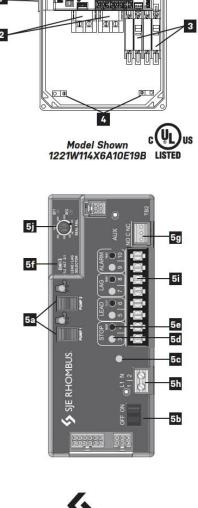
- 6. Red Alarm Beacon provides 360° visual check of alarm condition.
- 7. Alarm Horn provides audible alarm warning (83 to 85 decibel rating). 8. Exterior Alarm Test/Normal/Silence Switch allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically
- resets once alarm condition is cleared unless the controller is programmed to manual alarm reset.

FEATURES

NOTE: other options available.

- Touch safe circuit board housing and low voltage 12 VDC float circuits
- Alarm (field programmable to flash)
- Alarm automatic reset (field programmable to manual alarm reset)
- Float out-of-sequence detection Pump fail-to-run detection (field programmable to deactivate)
- Controller protected by four auto resettable fuses, no fuse replacement
- Three second lag pump delay time, prevents simultaneous pump start-up
- Standard package includes three 20' control switches or EZconnex® float
- Five-year limited warranty.

California Prop 65 requires the following: // WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov SEE REVERSE SIDE FOR ORDERING INFORMATION. SEE PRICE BOOK FOR LIST PRICE.



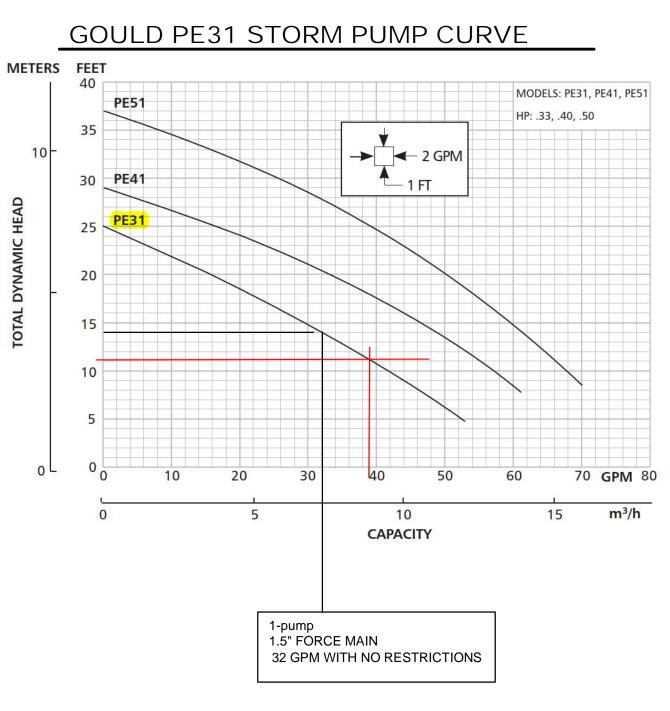
5 SJE RHOMBUS 1-888-DIAL-SJE • 1-218-847-1317 1-218-847-4617 Fax email: customer.service@sjeinc.com www.sjerhombus.com B.39

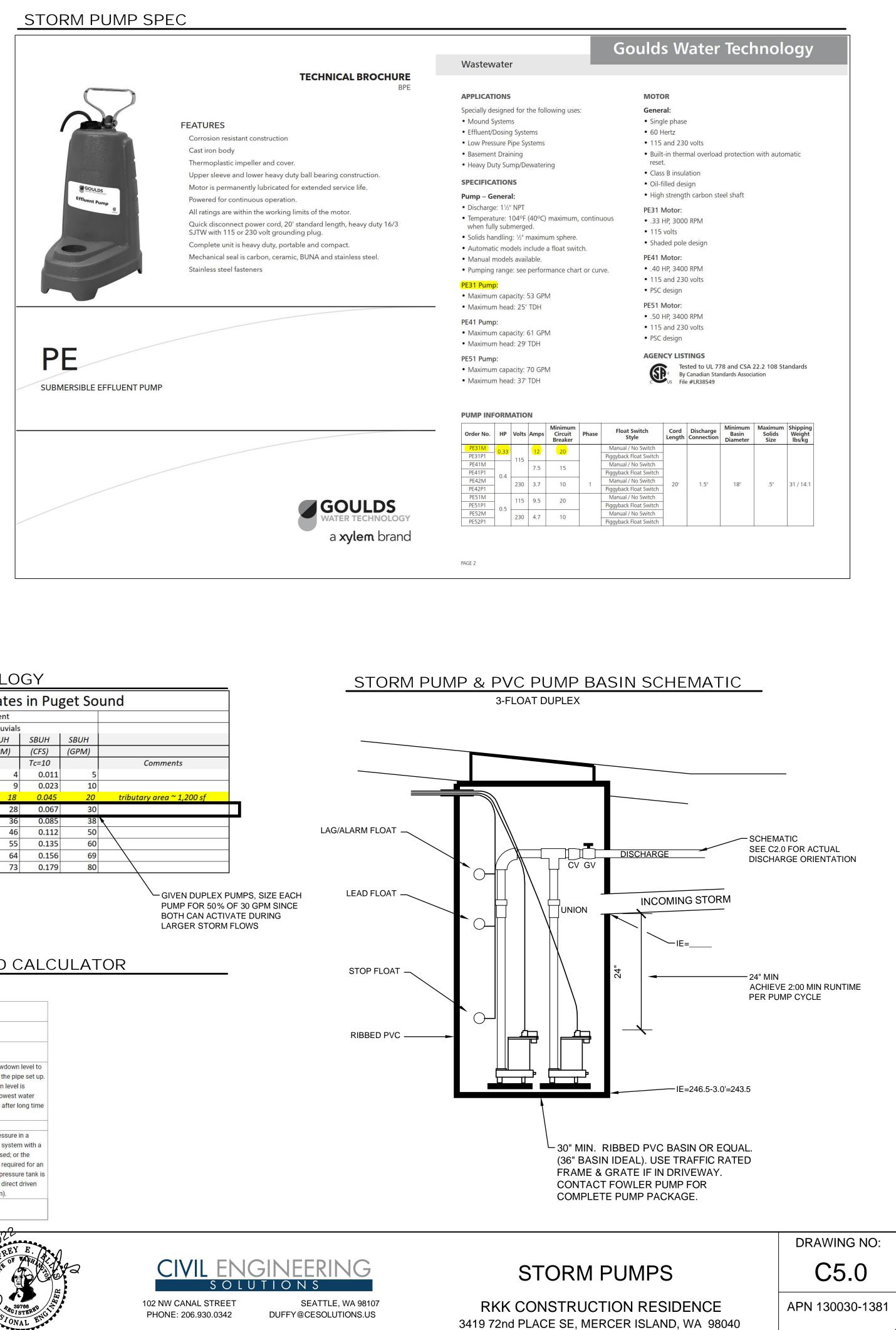
PUMPING DEPTH CALCULATOR

Storm Pump-Float Depth / Pump Interval Calculator

	Value	Units	Commen
Input Pump Basin Diameter (feet)=	2.5	feet	
Calculate pump basin radius=	1.3	feet	
Calculate cross section Area of basin=	4.91	sf	
Input a pump depth to achieve 2 min run time=	2.0	feet	
Calculate volume of water per pump cycle=	9.8	cf	
Convert volume to gallons	73.4	gallons	convert to gallons p
Input pump rate based on pump curve and TDH	33	gpm	
Calculated time for pump to operate per cycle	2.2	Minutes	Ensure greater that

				1
NO.	DATE	BY	REVISIONS	
				APPLICANT JASON KOHLER RKK CONSTRUCTION 3056 70th AVENUE SE MERCER ISLAND, WA 98040 (206) 236-2920





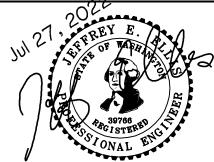
PUMP DESIGN HYDROLOGY

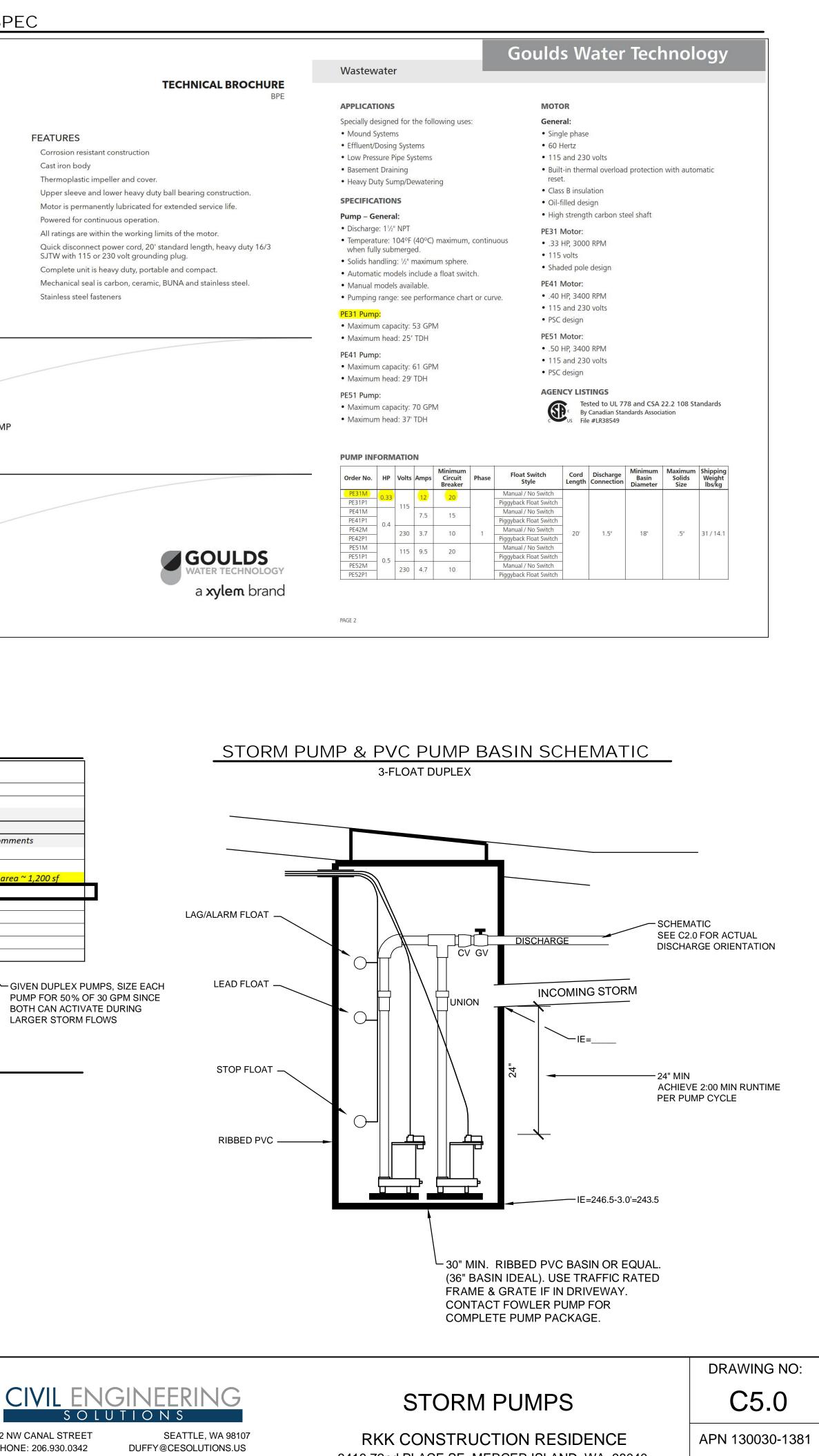
Peak Flow Rates in Puget Sound							
	100 year, 2	4 hour stor	m event				
1=4	.0 inches/2	4 hours per	isopluvials				
		SBUH	SBUH	SBUH	SBUH		
		(CFS)	(GPM)	(CFS)	(GPM)		
Impervious Area	Acres	Tc=6.3		Tc=10		Comments	
500	0.011	0.01	4	0.011	5		
1,000	0.023	0.02	9	0.023	10		
2,000	0.046	0.041	18	0.045	20	tributary area ~ 1,200 sf	
3,000	0.069	0.062	28	0.067	30		
4,000	0.092	0.082	36	0.085	38	A.	
5,000	0.115	0.103	46	0.112	50		
6,000	0.138	0.124	55	0.135	60		
7,000	0.161	0.143	64	0.156	69		
8,000	0.184	0.164	73	0.179	80		

TOTAL DYNAMIC HEAD CALCULATOR

Flaur Data	32		
Flow Rate	GPM	~]
Pipe Diameter	1.5 inch ~		Inside diameter
ripe Diameter			
Pipe Length	50		Total length
Fipe Length	ft	~	lotariengti
			From water drawdown level to highest point in the pipe set up.
Differential	10		Water drawdown level is
Elevation	ft	~	defined as the lowest water
			level in the well, after long time pumping.
Pipe <mark>M</mark> aterial	Plastic	~	
Pressure required? (Check for Yes) □	0 PSI	~	The average pressure in a domestic water system with a pressure tank used; or the pressure that is required for an application if a pressure tank is not used (e.g. a direct driven sprinkler system).
Total Dynamic	14.17		
Head TDH:	ft	~	1

DATE: Jul 27, 2022 JOB# 2036 DRAFTED: DE DESIGN: DE DIGITAL SIGNATURE





ents - RECOMMENDED PUMP CYCLE DEPTH pumped an 2 minutes

BUILDING CODE: 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), AND BY REFERENCE, THE 2018 INTERNATION RESIDENTIAL CODE (IRC) AS AMENDED BY LOCAL JURISDICTION. ROOF LIVE LOAD = 25 PSF SNOW (GROUND SNOW = 30 PSF)

ROOF DEAD LOAD = 15 PSF

FLOOR LIVE LOAD = 40 PSF (30 PSF AT SLEEPING AREAS) FLOOR DEAD LOAD = 15 PSF

BALCONIES & DECKS = 60 PSF (LIVE LOAD) + 10 PSF (DEAD LOAD) WIND SPEED (NOMINAL 3 SEC GUST) = 100 MPH FOR RISK CATEGORY 11, EXPOSURE "C", Kzt=1.60

SOIL SITE CLASS "D", SEISMIC CATEGORY DI/D2, SS=1.412, SdS=1.129

OCCUPANCY GROUP: R-3 CONSTRUCTION TYPE: V-B

CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS OF PROJECT AND REPORT ANY OMISSIONS / DISCREPANCIES TO ARCHITECT AND/OR ENGINEER OF RECORD FOR RESOLUTION PRIOR TO COMMENCING WORK. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS ARCHITECT AND/OR ENGINEER OF RECORD ARE NOT RESPONSIBLE FOR DISCREPANT CONDITIONS RESULTING FROM UNAUTHORIZED WORK PERFORMED BY THE CONTRACTOR

DEFERRED SUBMITTAL ITEMS

THE FOLLOWING IS A LIST OF ITEMS THAT ARE NOT INCLUDED IN THIS PLAN AND SHOULD BE PROVIDED BY THE BUILDER AT TIME OF APPLICATION FOR PERMIT OR AS A DEFERRED SUBMITTAL ITEM: - ALTERNATIVE I-JOIST/BEAM MANUFACTURER PLANS.

- MANUFACTURED TRUSS DESIGNS AND LAYOUTS

GENERA

FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING OF 1500 PSF EXTERIOR FOOTINGS SHALL BEAR 18" (MINIMUM) BELOW FINISHED GRADE. ALL FOOTINGS TO BEAR ON FIRM UNDISTURBED EARTH BELOW ORGANIC SURFACE SOILS. BACKFILL TO BE THOROUGHLY COMPACTED.

BOLT HEADS AND NUTS BEARING AGAINST WOOD TO BE PROVIDED WITH Ø.229"x3"x3" PLATE WASHERS WOOD BEARING ON OR INSTALLED WITHIN 1" OF MASONRY OR CONCRETE TO BE PRESSURE REATED WITH AN APPROVED PRESERVATIVE. FOUNDATION SILL BOLTS (MIN. 1" EMBED.) TO BE 5/8" DIAMETER AT 6'-0" O.C. (4'-0" AT BUILDINGS OVER 2 STORIES) U.N.O. METAL FRAMING CONNECTORS TO BE MANUFACTURED BY SIMPSON STRONG-TIE OR USP STEEL CONNECTORS

CONCRETE

MINIMUM COMPRESSIVE STRENGTH OF CONCRETE

	MINIMUM COMPRESSIVE STRENGTH (f'c) AT 28 DAYS		
TYPE OR LOCATIONS OF CONCRETE CONSTRUCTION	MODERATE WEATHERING POTENTIAL		
BASEMENT WALLS, FOUNDATION FOOTINGS, BASEMENT SLABS, 4 INTERIOR SLABS ON GRADE (EXCEPT GARAGE) NOT EXPOSED TO THE WEATHER	2,500 psi		
BASEMENT WALLS, FOUNDATION WALLS, EXTERIOR WALLS, PORCHES, STEPS, GARAGE & CARPORT SLABS, & OTHER CONCRETE WORK EXPOSED TO THE WEATHER	3,000 psi (6% air entrained +/- 1%)		

CONCRETE MIXTURE SHALL CONTAIN AT LEAST OF $5\frac{1}{2}$ sacks of cement per cubic yard CONCRETE "BATCH TICKET" SHALL BE AVAILABLE ON SITE FOR REVIEW BY BUILDING OFFICIAL VERTICAL REINFORCING STEEL TO COMPLY WITH ASTM A615 GRADE 40 (GRADE 60 AT WALLS RETAINING MORE THAN 4FT OF SOIL)

CARPENTR

GENERAL

ALL NAILING TO COMPLY WITH REQUIREMENTS OF IRC TABLE R602.3(1) AND/OR IBC TABLE 2304.10.1 ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED. FIELD CUT ENDS, NOTCHES, AND DRILLED HOLES OF PRESSURE TREATED LUMBER SHALL BE RETREATED IN THE FIELD IN ACCORDANCE WITH AWPA M4. PER IRC 319.3. FASTENERS FOR PRESSURE PRESERVATIVE AND FIRE RETARDANT TREATED WOOD SHALL BE OF HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER. 6" MIN. CLEARANCE BETWEEN WOOD AND EARTH.

12" MIN, CLEARANCE BETWEEN FLOOR BEAMS AND EARTH.

18" MIN. CLEARANCE BETWEEN FLOOR JOIGT AND EARTH.

FASTENER DIMENSIONS ALL NAILS SPECIFIED ON THIS PLAN SHALL BE OF THE DIAMETER AND LENGTH LISTED BELOW OR AS PER APPENDIX L OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) 8d COMMON (Ø.131" D1A., 2-1/2" LENGTH), 8d BOX (Ø.113" D1A, 2-1/2" LONG), 10d COMMON (Ø.148" D1A., 3" LONG) 10d BOX (0,128" DIA., 3" LENGTH), 16d COMMON (0,162" DIA, 3-1/2" LONG), 16d SINKER (0,148 DIA, 3-1/4" LONG) 5d COOLER (0.086" DIA., 1-5/8" LONG), 6d COOLER (0.092" DIA., 1-7/8" LONG)

LUMBER GRADES

FRAMING LUMBER SHALL COMPLY WITH THE LATEST EDITION OF THE GRADING RULES OF THE WESTERN PRODUCTS ASSOCIATION OR THE WEST COST LUMBER INSPECTION BUREAU. ALL SAWN LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED LUMBER GRADING AGENCY AND SHALL HAVE THE FOLLOWING UNADJUSTED MINIMUM DESIGN PROPERTIES, UNLESS NOTED OTHERWISE.

JOISTS:	WOOD TYPE:
2×4 to 2×8	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=1600000psi
2×10 OR LARGER	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=1600000psi
BEAM	
$4\times$	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=1600000psi
6× OR LARGER	DF-L #2 - Fb=875 psi, Fv=170 psi, Fc=600 psi, E=1300000psi
<u>Studs</u>	
2×4 \$ 2×6	DF STUD - Fb=700 psi, Fv=180 psi, Fc=850 psi, E=1400000psi
2×8 OR LARGER	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=1600000psi
POSTS	
4×4	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=1600000psi
4×6	DF-L #2 - Fb=900 psi, Fv=180 psi, Fc=1350 psi, E=1600000psi
6×6 OR LARGER	DF-L #1 - Fb=1200 psi, Fv=170 psi, Fc=1000 psi, E=1600000psi

GLUED-LAMINATED BEAM (GLB)

SHALL BE 24F-V4 FOR SINGLE SPANS \$ 24F-V8 FOR CONTINUOUS OR CANTILEVER SPANS WITH THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,400 PSI, Fv = 165 PSI, Fc = 650 PSI (PERPENDICULAR), E = 1,800,000 PSI.

ENGINEERED WOOD BEAMS AND I-JOIST CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SPECIFICATIONS FOR APPROVAL BY BUILDING OFFICIAL. DESIGN, FABRICATION AND ERECTION IN ACCORDANCE WITH THE LATEST ICC EVALUATION REPORT.

BEAMS DESIGNATED AS "LSL" SHALL HAVE THE MINIMUM PROPERTIES: F6 = 2,325 P61, FV = 310 P61, Fc = 800 P61 (PERPENDICULAR), E = 1,550,000 P61.

BEAMS DESIGNATED AS <u>"LVL"</u> SHALL HAVE THE MINIMUM PROPERTIES: F6 = 2,600 P31, FV = 285 P31, FC = 750 P31 (PERPENDICULAR), E = 1,900,000 P31 BEAMS DESIGNATED AS "PSL" SHALL HAVE THE MINIMUM PROPERTIES:

Fb = 2,900 PSI, Fv = 290 PSI, Fc = 750 PSI (PERPENDICULAR), E = 2,000,000 PSI. CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS. DEFLECTION SHALL BE LIMTED AS FOLLOWS:

FLOOR LIVE LOAD MAXIMUM = L/480, FLOOR TOTAL LOAD MAXIMUM = L/240. PREFABRICATED WOOD TRUSSES

PRE-FABRICATED WOOD TRUSSES SHALL BE DESIGNED TO SUPPORT SELF WEIGHT PLUS LIVE LOADS & IMPOSED DEAD LOADS AS STATED IN THE GENERAL NOTES. TRUSSES SHALL BE DESIGNED & STAMPED BY A REGISTERED DESIGN PROFESSIONAL AND FABRICATED ONLY FROM THOSE DESIGNS. NON-BEARING WALLS SHALL BE HELD AWAY FROM THE TRUGG BOTTOM CHORD W/ AN APPROVED FASTENER (GUCH AS SIMPSON STC) TO ENSURE THAT THE TRUGS BOTTOM CHORD DOES NOT BEAR ON THE WALL. ALL PERMANENT TRUSS MEMBER BRACING SHALL BE INSTALLED PER THE TRUSS DESIGN DRAWINGS.

ROOF/WALL/FLOOR SHEATHING

ROOF SHEATHING SHALL BE MINIMUM % SHEATHING W/ $^{2}\%$ SPAN INDEX U.N.O. WALL SHEATHING, INCLUDING GABLES, SHALL BE 1/6 SHEATHING W/24/6 SPAN INDEX MINIMUM U.N.O., FLOOR SHEATHING SHALL BE MINIMUM 13/2 T&G SHEATHING W/49/20 SPAN INDEX MINIMUM U.N.O.. MINIMUM NAILING SHALL BE 8d COMMON NAILS @ 6" O.C. @ PANEL EDGES \$ 12" O.C. IN PANEL FIELD U.N.O. ON SHEAR WALL SCHEDULE. ROOF AND FLOOR SHEATHING SHALL BE LAID OUT W/ LONG DIMENSION PERPENDICULAR TO FRAMING MEMBERS W/ END LAPS STAGGERED. WALL SHEATHING, INCLUDING GABLES, SHALL BE FULLY BLOCKED & EDGE NAILED AT ALL UNSUPPORTED SHEATHING PANEL EDGES. STAIR FRAMING

UNLESS NOTED OTHERWISE SPECIFIED, TYPICAL STAIR FRAMING SHALL CONSIST OF 2X12 STAIR STRINGERS SPACED AT NO MORE THAN 18" O.C. AND REINFORCED W/ 2X6 SCABS ATTACHED W/ 10d COMMON NAILS STAGGERED AT 8" O.C., STRINGERS SHALL BE SUPPORTED AT UPPER END BY BEARING ON TOP PLATE OF WALL OR APPROVED CONNECTOR TO FLOOR BEAM SUCH AS SIMPSON LRU OR LSC. LANDINGS SHALL CONSIST OF CONVENTIONAL PLATFORM FRAMING W/ MINIMUM 2×6 JOISTS @ 16" O.C.

	SHEAR WALL SCHEDULE							
WALL MARK	SHEATHING (MINIMUM)	EDGE NAILING	FIELD NAILING	FRAMING @ ADJOINING PANEL EDGES	SOLE PLATE NAILING (STAGGER)	MINIMUM RIM BOARD OR BLOCKING WIDTH BELOW WALL	SILL PLATE	ANCHOR BOLT DIA. & SPACING
PI-6	% SHEATHING ONE SIDE	8d (Ø.131"x2.5") AT 6" O.C.	12" O.C.	2×	(1) ROW 16d SINKER (∅.148"×3¼") @ 6" 0.C.	1.25" LSL (1.3E) UNLESS NOTED OTHERWISE	2×	5/8" DIA. @ 60" O.C.
P -4	% SHEATHING ONE SIDE	8d (Ø.131"x2.5") AT 4" O.C.	12" O.C.	2×	(1) ROW 16d SINKER (∅.148"x3¼") @ 4" 0.C.	1.25" L6L (1.3E) UNLESS NOTED OTHERWISE	2×	5/8" DIA. @ 36" O.C.
H3	% SHEATHING ONE SIDE	SEE DETAIL H3 ON SHEET S6 FOR FRAMING CONFIGURATION & SPECIFICATION OF NAILING, STRAPS, & HOLDOWNS (REFER TO APA TECHNICAL TOPIC TT-100, "A PORTAL FRAME W/ HOLDOWNS FOR ENGINEERED APPLICATIONS")						

1. FRAMING SHALL BE 2X DOUG-FIR @ 16" O.C. MAX UNLESS NOTED OTHERWISE IN SCHEDULE. 2. SHEATHING PANELS MAY BE LAYED VERTICAL OR HORIZONTAL. BLOCK ALL ADJOINING HORIZONTAL EDGES W/2x OR 3x BLOCKING PER SCHEDULE

3. ALL EXTERIOR WALLS NOT DESIGNATED AS SHEARWALLS SHALL RECEIVE APA RATED SHEATHING OR ALL VENEER PLYWOOD SIDING OF EQUIVALENT THICKNESS AT POINT OF FASTENING ON PANEL EDGES, FULLY BLOCKED WITH MINIMUM NAILING OF 8d (0.131"x2.5") @ 6" O.C. EDGE \$ 12" O.C. FIELD.

STAGGERED

5. ANCHOR BOLT SPACING IS 6'-0" O.C. (4'-0" AT BUILDINGS OVER 2 STORIES) UNLESS NOTED OTHERWISE IN SCHEDULE. MINIMUM OF 2 ANCHOR BOLTS PER PIECE OF FOUNDATION PLATE. ANCHOR BOLTS SPACED NO GREATER THAN 12" AND NO LESS THAN 1 TIMES THE ANCHOR BOLT DIAMETER AT ENDS AND SPLICES. PROVIDE Ø.223"x3" WASHERS AT ANCHOR BOLTS. PLATE WASHERS SHALL EXTEND TO WITHIN ½" OF THE SHEATHED EDGE OF THE SILL PLATE ON WALLS W/ EDGE NAILING AT 4" O.C. OR TIGHTER. DIAGONALLY SLOTTED WASHERS MAY BE USED W/ A STANDARD CUT WASHER PROVIDED BETWEEN PLATE WASHER & NUT. DO NOT RECESS BOLTS.

6. ALL NAILS FOR SHEAR WALLS SHALL BE COMMON OR GALVANIZED BOX NAILS (U.N.O.) ALL SPECIFIED NAILS SHALL HAVE THE FOLLOWING DIMENSIONS: 8d (Ø.131" DIA x 2.5" LONG), 10d (Ø.148" DIA x 3" LONG), 16d COMMON (Ø.162" DIA x 3.5" LONG), 16d SINKER (Ø.148" DIA x 3.25" LONG)

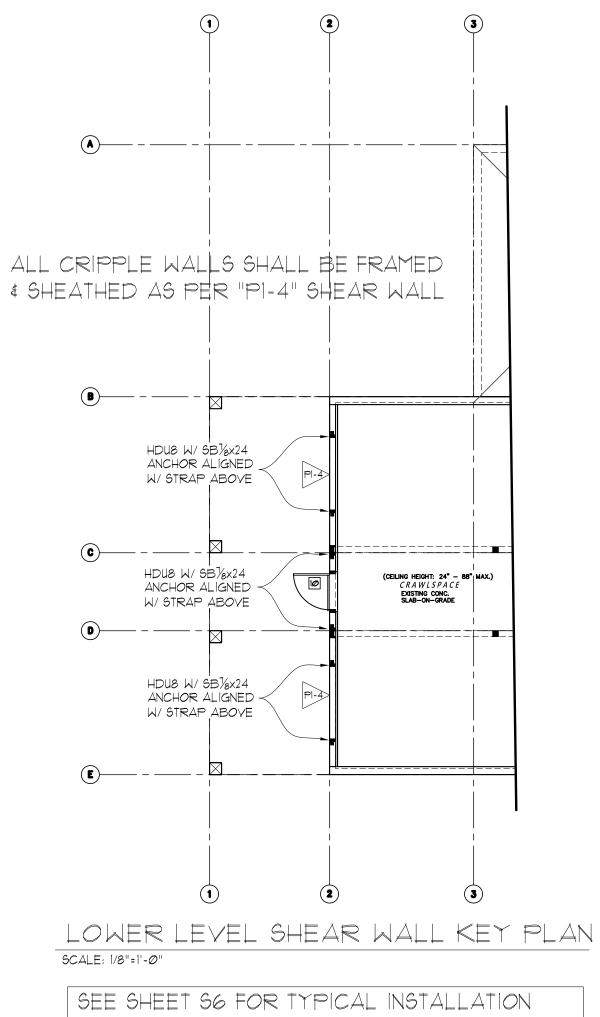
1. IN LIEU OF 3X STUDS OR BLOCKING AT ADJOINING PANEL EDGES, 2-2X'S FACE NAILED W/ 10d COMMON NAILS (0.148" DIA x 3" LONG) STAGGERED AT THE SAME SPACING AS PANEL EDGE NAILING MAY BE SUBSTITUTED. SHEATHING EDGES SHALL BE CENTERED BETWEEN THE 2-2x MEMBERS (SHALL NOT APPLY TO WALLS SHEATHED ON BOTH SIDES UNLESS ADJOINING PANEL EDGES ARE STAGGERED ON OPPOSITE FACES)

8. HOLDDOWNS AND STRAPS OF EQUIVALENT CAPACITY (W/ CURRENT ICC EVALUATION REPORT OR SIMILAR) MAY ONLY BE SUBSTITUTED FOR THOSE SPECIFIED ON PLAN WITH PRIOR APPROVAL OF BUILDING OFFICIAL OR ENGINEER OF RECORD.

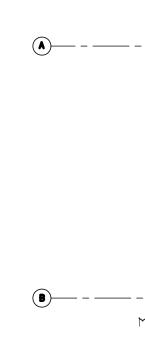
9. BLOCKING IN FLOOR JOIST CAVITY IS REQUIRED AT ENDS OF SHEAR WALLS WHERE FULL BEARING IS NOT PROVIDED BY THE FRAMING BELOW. BLOCKING SHALL HAVE WOOD GRAIN ORIENTED VERTICALLY UNLESS NOTED OTHERWISE.

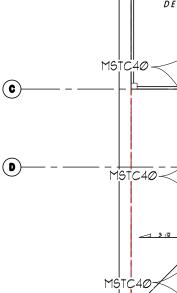
- 10. SIMPSON MASAP MUDSILL ANCHORS, MAY BE SUBSTITUTED (1) FOR (1) AT 2X SILL PLATES FOR THE 🏂 DIA. SILL PLATE ANCHOR BOLTS SPECIFIED.

4. NAILING APPLIES TO ALL STUDS, TOP PLATES, SOLE PLATES, SILL PLATES, & BLOCKING. PANEL EDGE AND SILL/SOLE PLATE NAILING SHALL BE

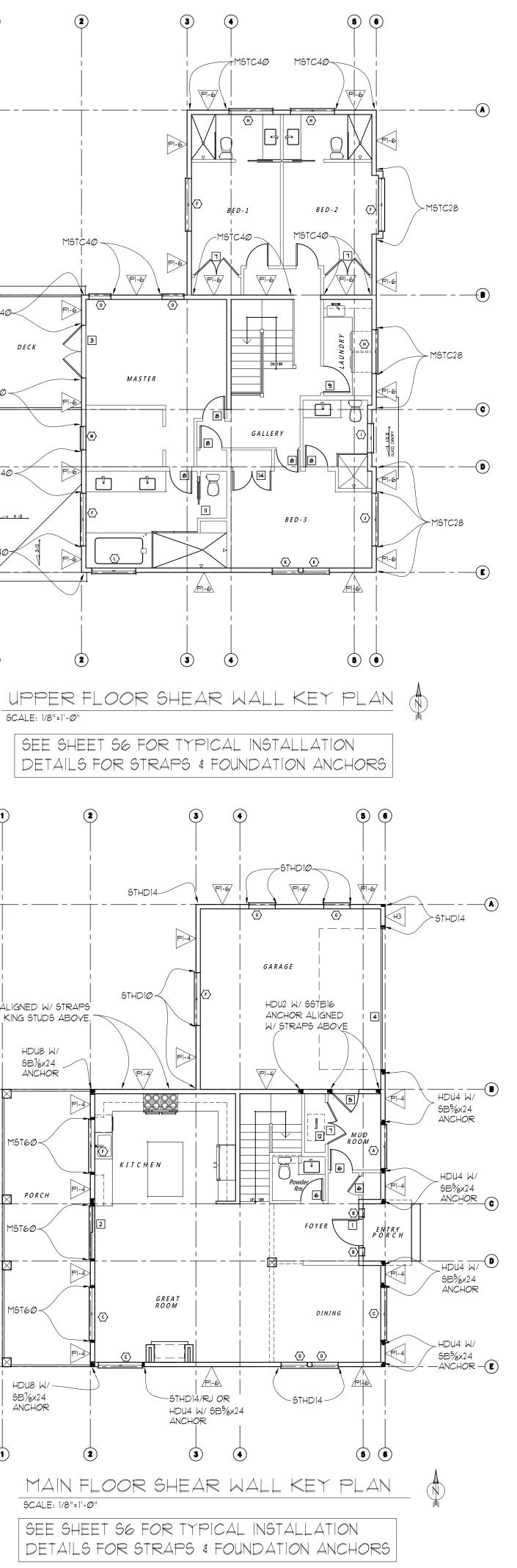


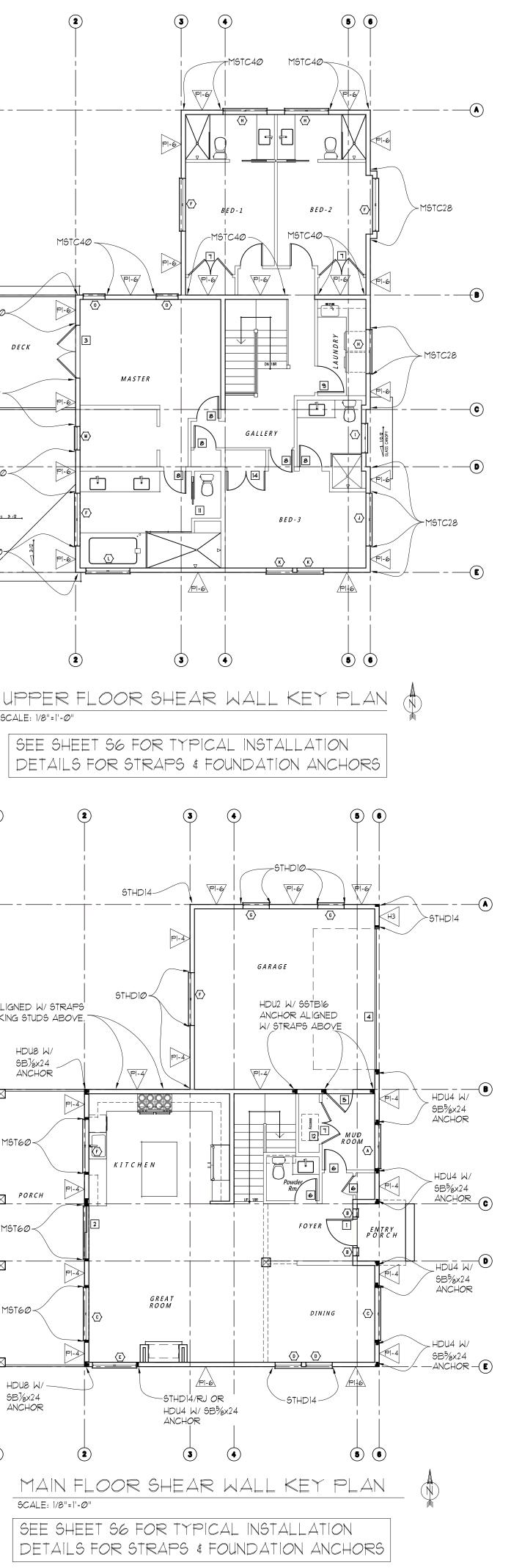
DETAILS FOR STRAPS & FOUNDATION ANCHORS

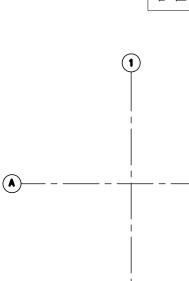


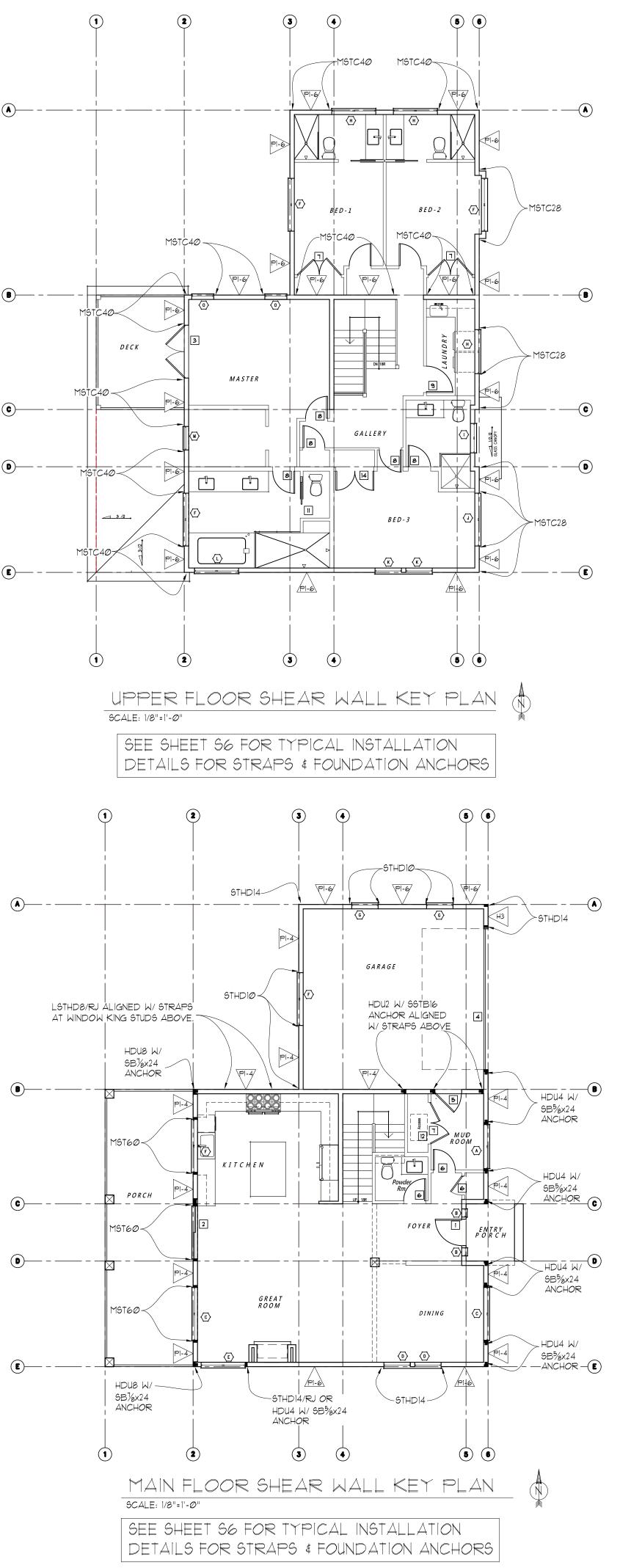


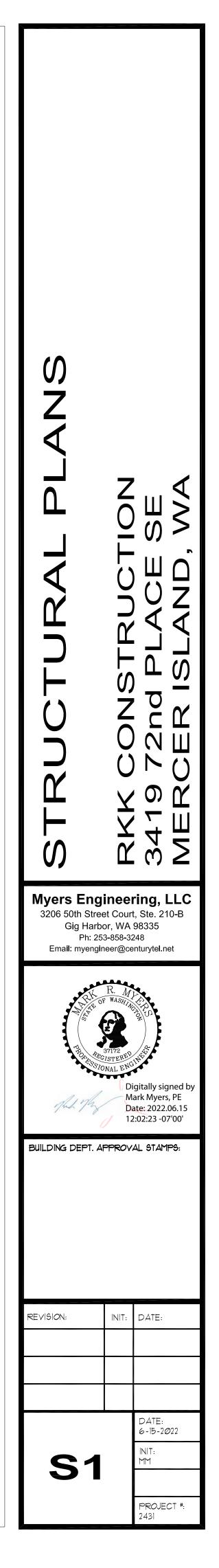
(E) — – — — —

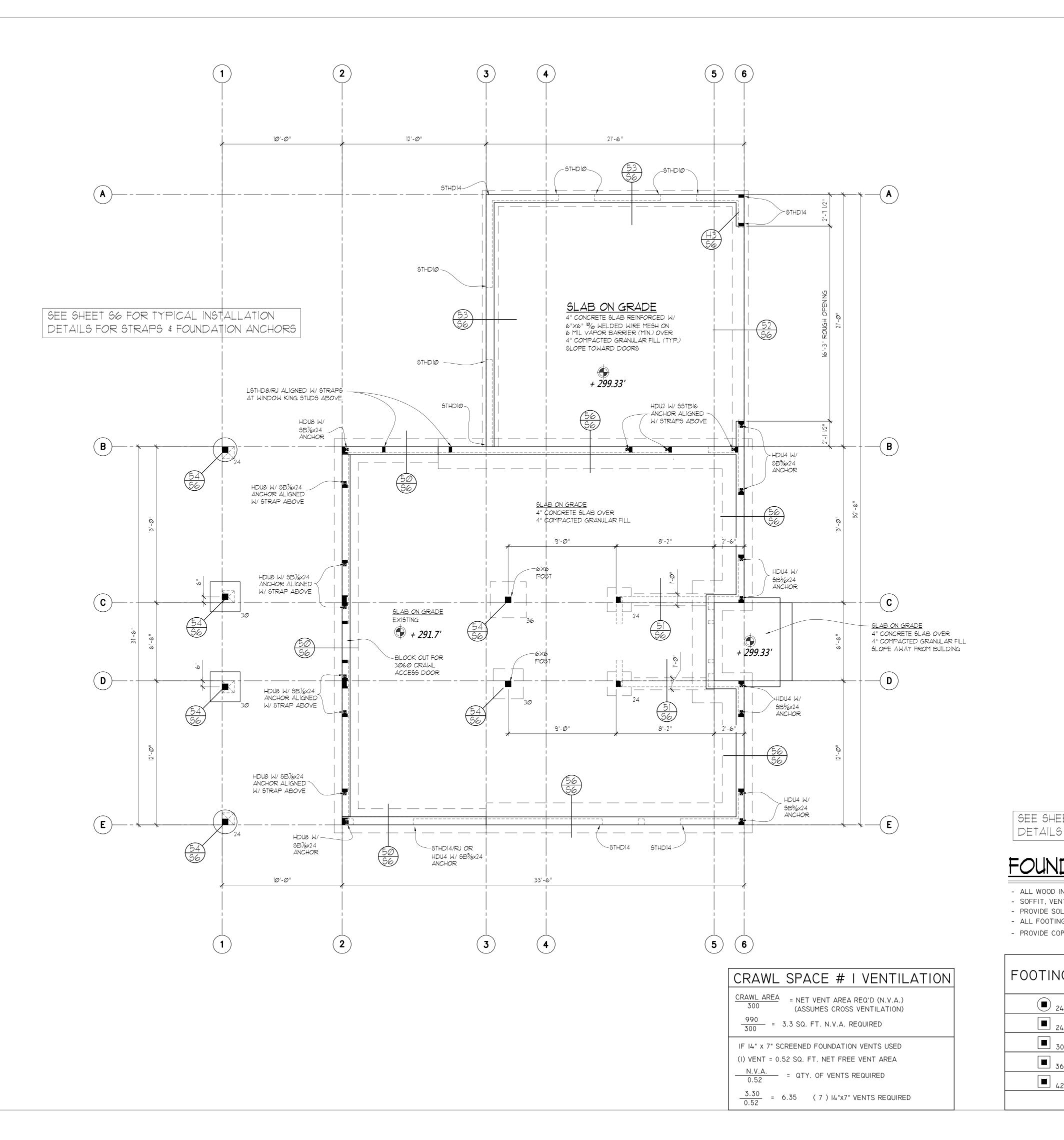


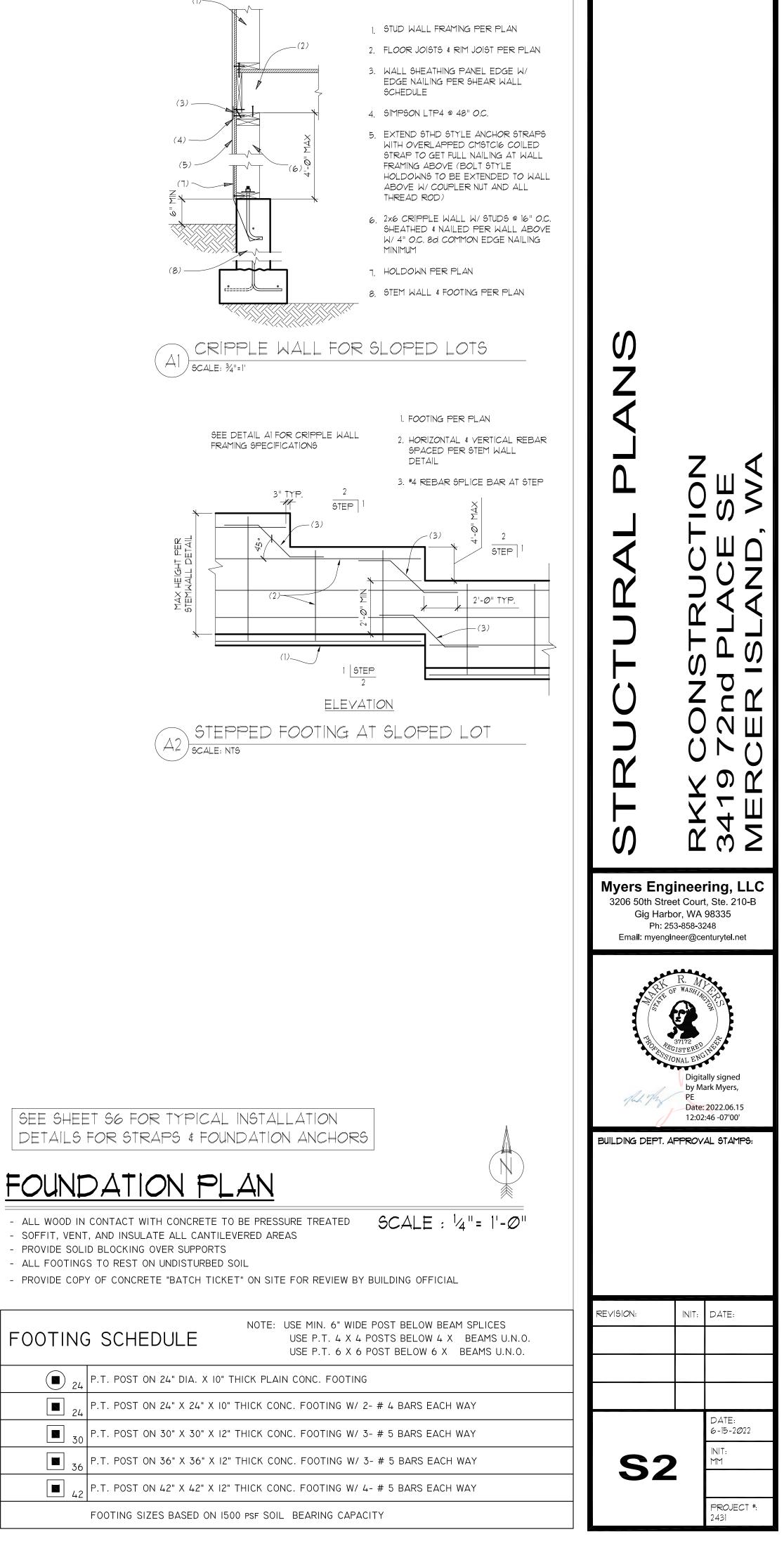


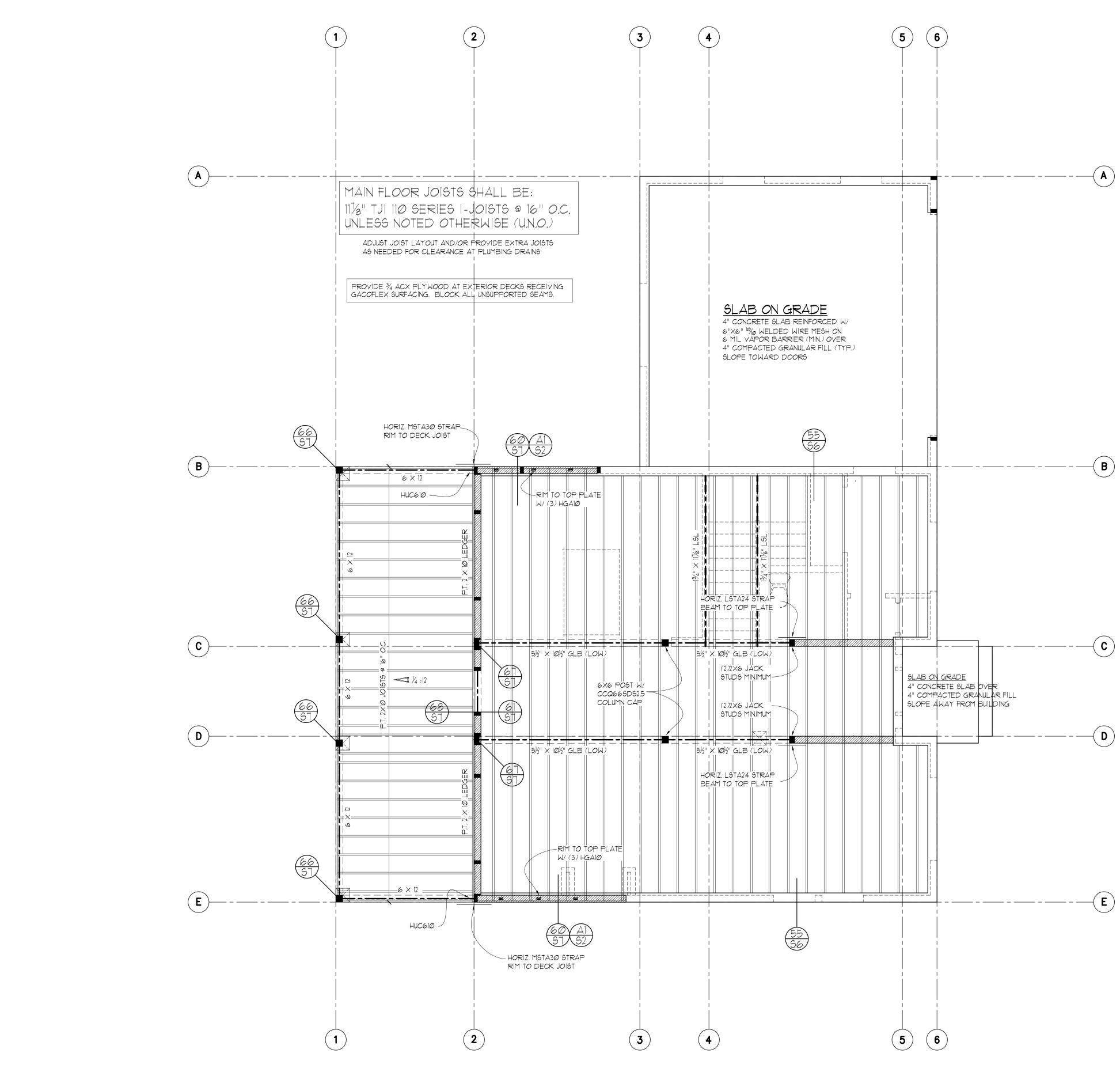




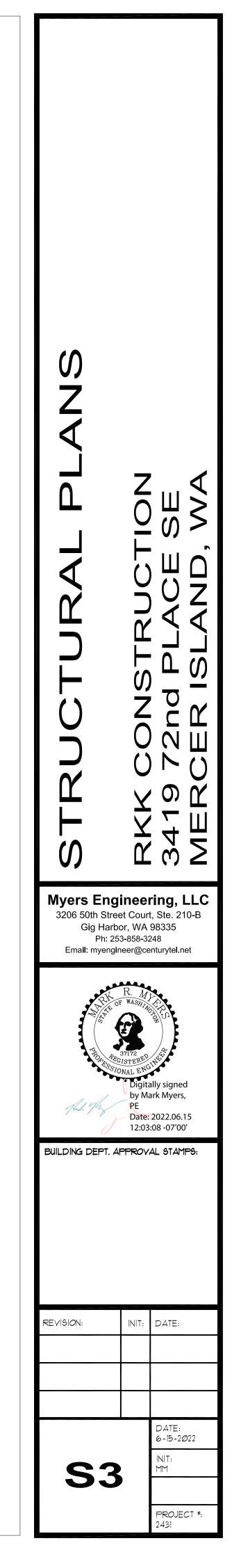








- EXTERIOR WALLS TO BE 2X6 AT 16" O.C., U.N.O.





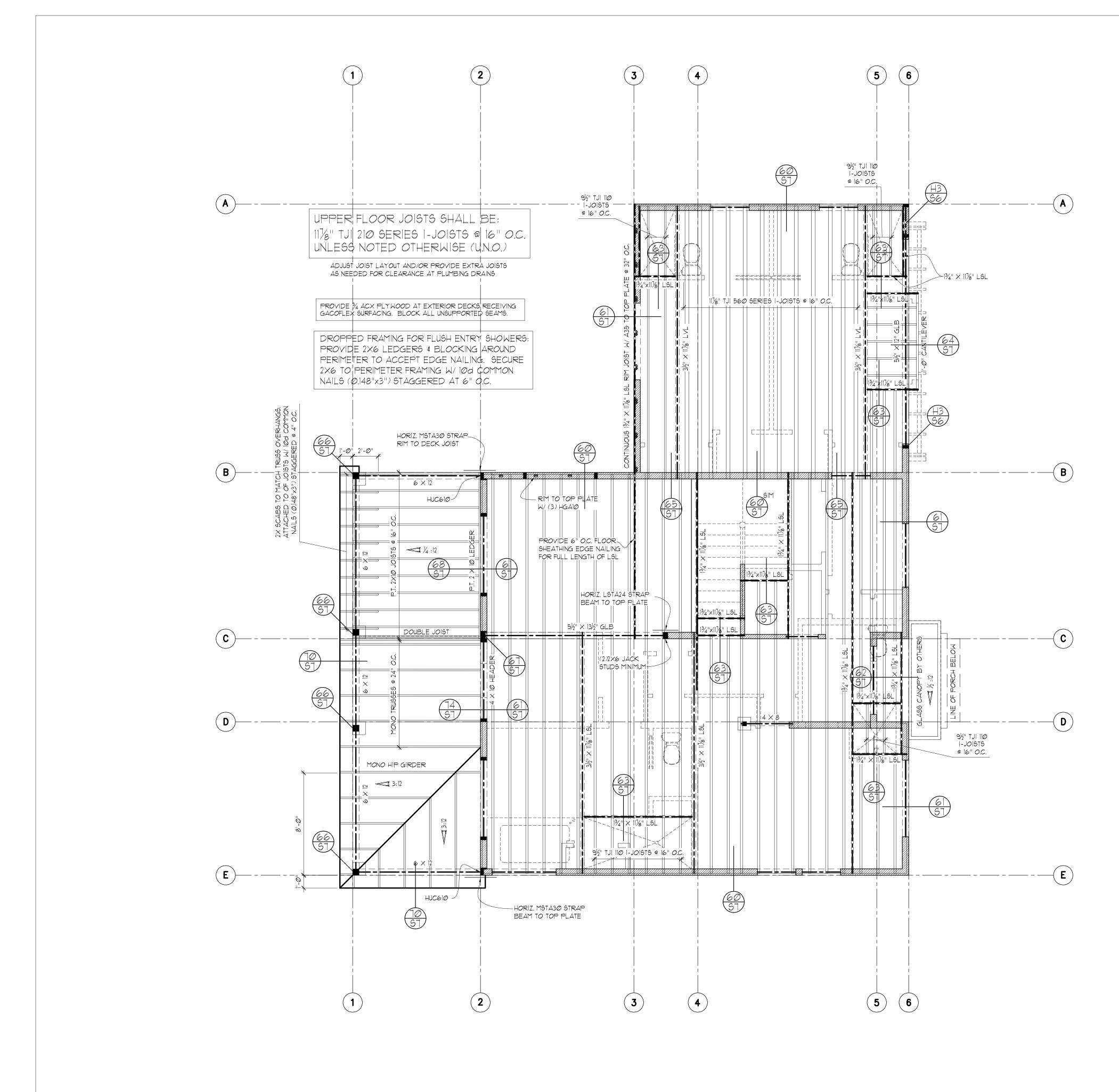
SCALE : 1/4 "= 1'-Ø" - ALL WOOD IN CONTACT WITH CONCRETE TO BE PRESSURE TREATED - SOFFIT, VENT, AND INSULATE ALL CANTILEVERED AREAS - ALL DOOR/WINDOW HEADERS AT THIS LEVEL TO BE 4X10 DF #2 AT BEARING WALLS, U.N.O., 6'-0" MAX. SPAN

- INTERIOR PARTITIONS TO BE 2X4 AT 16" O.C. (2X6 @ PLUMBING WALLS) U.N.O.

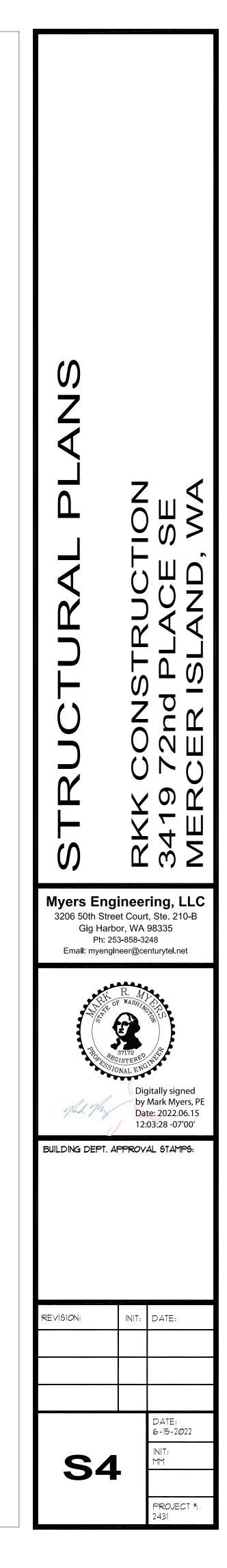
- HEADERS 8FT OR LONGER SHALL BE PROVIDED W/ (2) TRIMMER (JACK) STUDS AT EACH END U.N.O.

■ PROVIDE SOLID FRAMING EQUAL TO THE WIDTH OF THE MEMBER BEING SUPPORTED (U.N.O.)

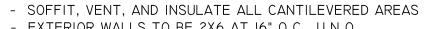
- PROVIDE SUPPLEMENTAL BLOCKING IN FLOOR CAVITY BELOW SUPPORT POSTS FOR GIRDERS, BEAMS, AND END POSTS FOR SHEAR WALLS TO MATCH FULL WIDTH OF POSTS IN WALL ABV. W/ GRAIN ORIENTED VERTICALLY AND PROVIDE MATCHING POSTS IN WALL BELOW UNLESS LARGER POSTS ARE SPECIFIED ON PLAN



- EXTERIOR WALLS TO BE 2X6 AT 16" O.C., U.N.O.



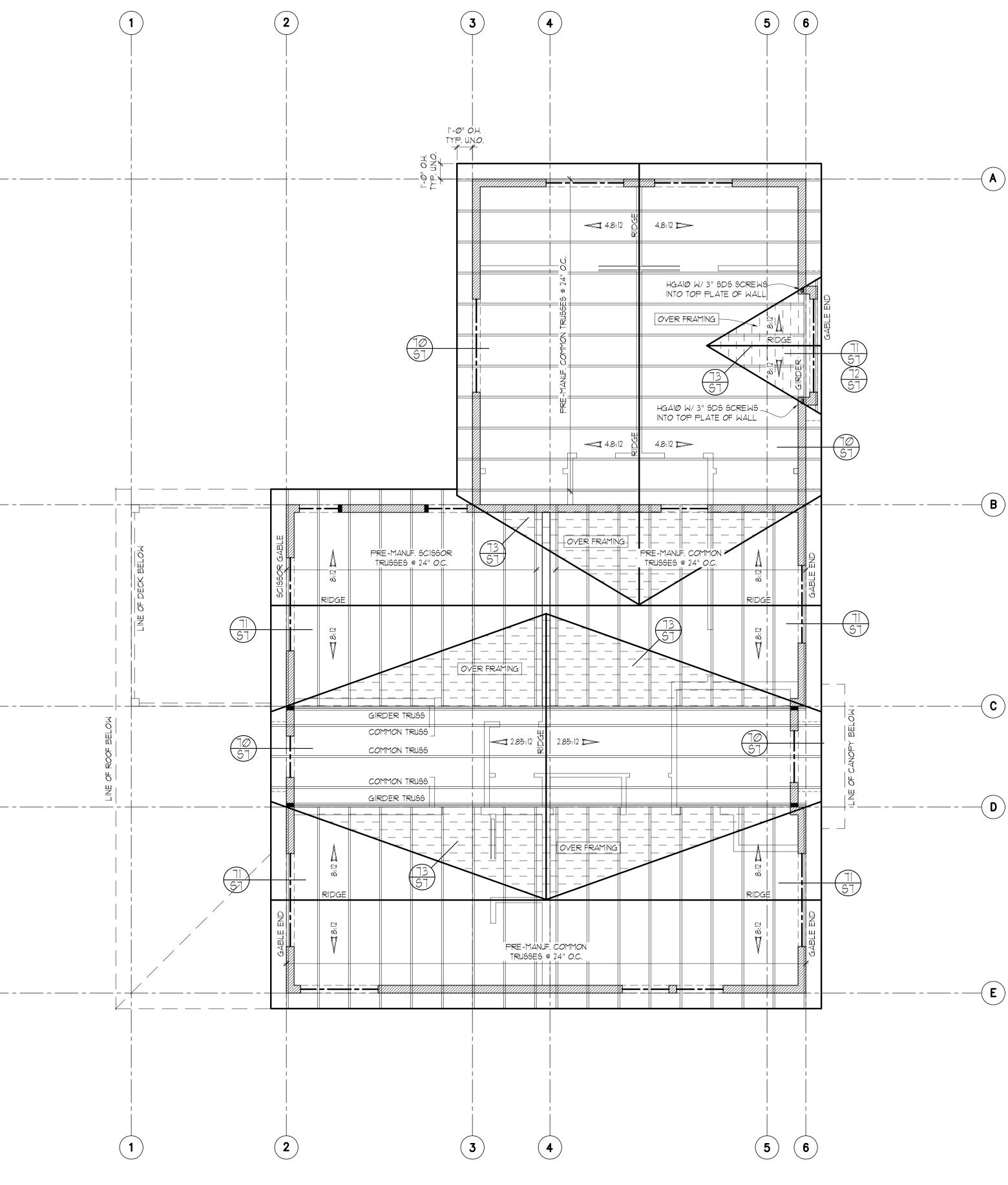




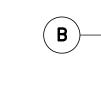
SCALE : 1/4"= 1'-Ø"

- ALL DOOR/WINDOW HEADERS AT THIS LEVEL TO BE 4X10 DF #2 AT BEARING WALLS, U.N.O., 6'-0" MAX. SPAN - INTERIOR PARTITIONS TO BE 2X4 AT 16" O.C. (2X6 @ PLUMBING WALLS) U.N.O. - HEADERS 8FT OR LONGER SHALL BE PROVIDED W/ (2) TRIMMER (JACK) STUDS AT EACH END U.N.O.

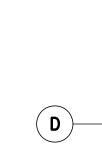
■ PROVIDE SOLID FRAMING EQUAL TO THE WIDTH OF THE MEMBER BEING SUPPORTED (U.N.O.) - PROVIDE SUPPLEMENTAL BLOCKING IN FLOOR CAVITY BELOW SUPPORT POSTS FOR GIRDERS, BEAMS, AND END POSTS FOR SHEAR WALLS TO MATCH FULL WIDTH OF POSTS IN WALL ABV. W/ GRAIN ORIENTED VERTICALLY AND PROVIDE MATCHING POSTS IN WALL BELOW UNLESS LARGER POSTS ARE SPECIFIED ON PLAN



(**A**)-







(**C**

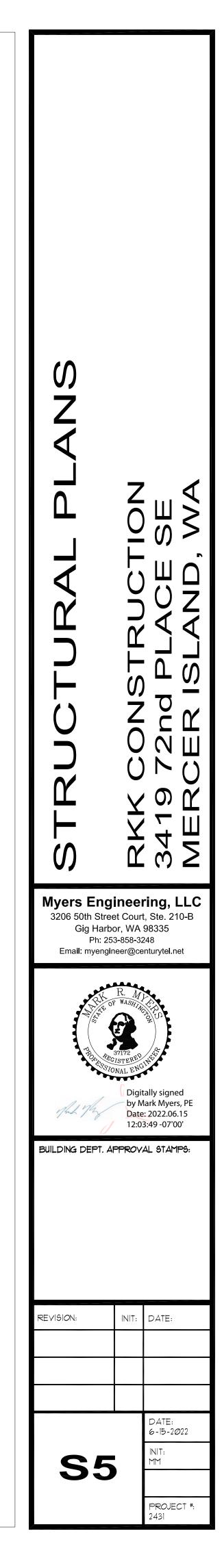




-(C) —(D) —(E)



- ALL MANUFACTURED TRUSSES: * SHALL CARRY MANUFACTURER'S STAMP ON EACH TRUSS



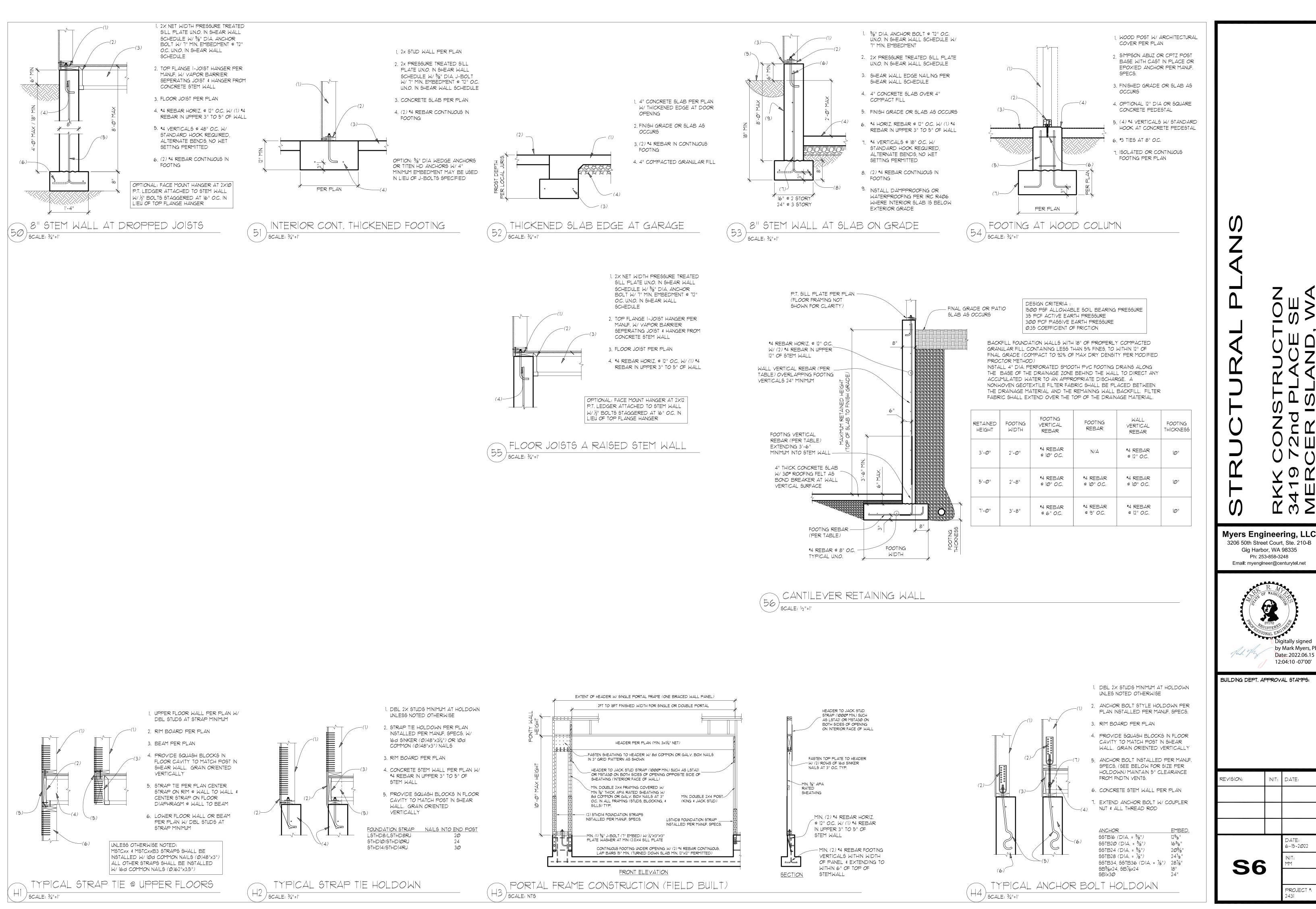
- PROVIDE VENTED BLOCKING AT REQUIRED TRUSS/RAFTER BAYS

SCALE : 1/4 "= 1'-Ø"

* SHALL HAVE DESIGN DETAILS AND DRAWINGS ON SITE FOR FRAMING INSPECTION * SHALL NOT BE FIELD ALTERED WITHOUT ENGINEER'S APPROVAL * SHALL BE INSTALLED AND BRACED TO MANUFACTURER'S SPECIFICATION

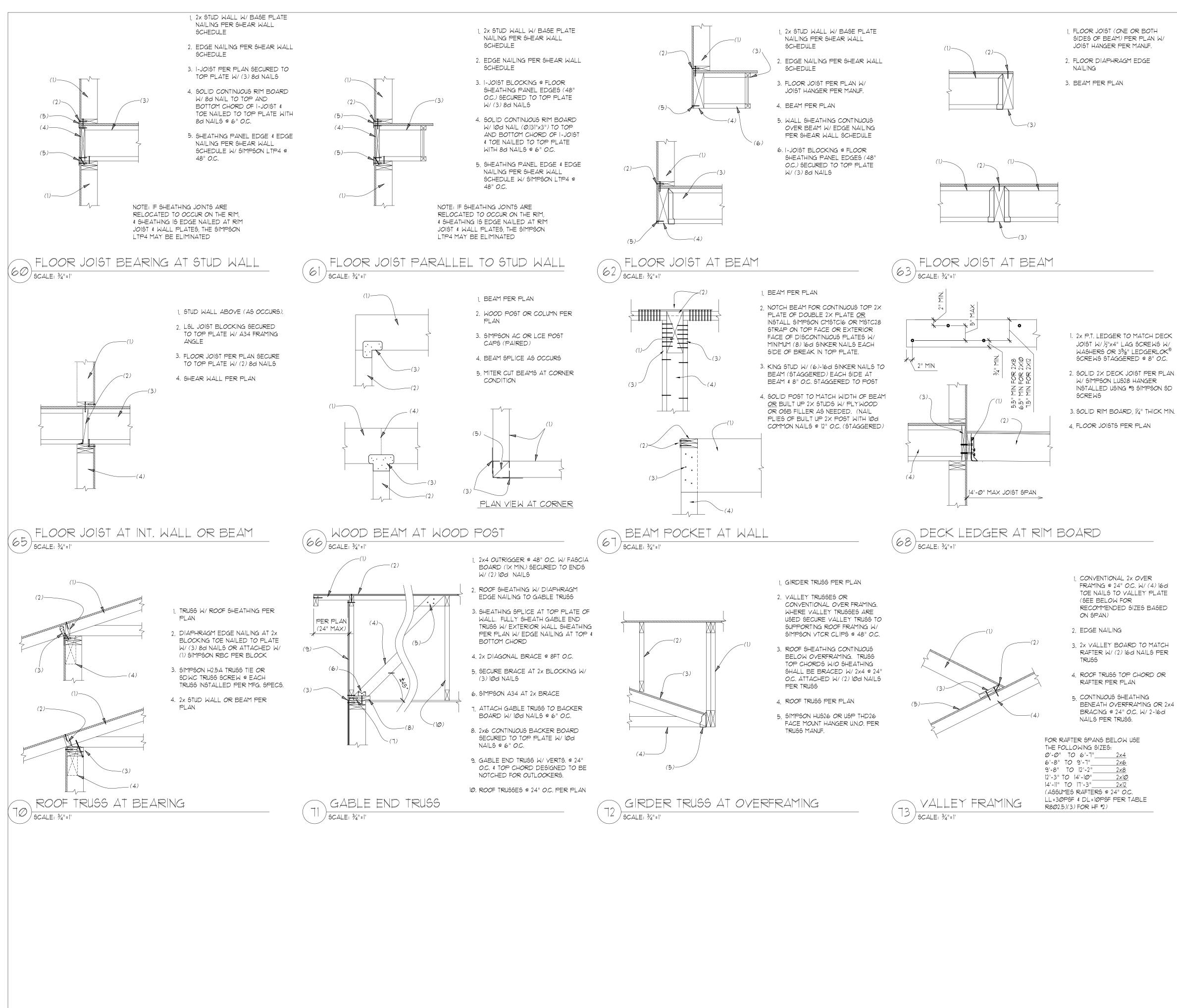
- ALL BEAMS AND HEADERS AT THIS LEVEL TO BE 4X8 DF #2 AT BEARING WALLS, U.N.O., 6'-0" MAX. SPAN - HEADERS 8FT OR LONGER SHALL BE PROVIDED W/ (2) TRIMMER (JACK) STUDS AT EACH END U.N.O. ■ PROVIDE SOLID FRAMING EQUAL TO THE WIDTH OF THE MEMBER BEING SUPPORTED (U.N.O.)

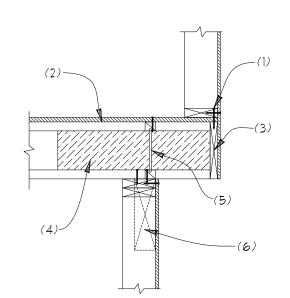
- PROVIDE SUPPLEMENTAL BLOCKING IN FLOOR CAVITY BELOW SUPPORT POSTS FOR GIRDERS, BEAMS, AND END POSTS FOR SHEAR WALLS TO MATCH FULL WIDTH OF POSTS IN WALL ABV. W/ GRAIN ORIENTED VERTICALLY AND PROVIDE MATCHING POSTS IN WALL BELOW UNLESS LARGER POSTS ARE SPECIFIED ON PLAN



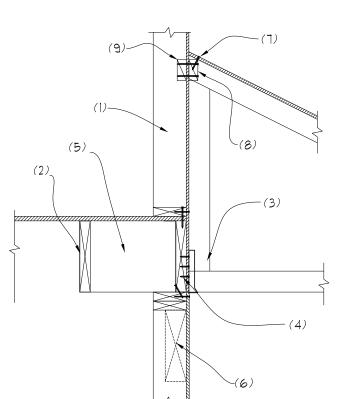
ANCHOR	EMB
33TB16 (DIA. = 5/8")	125%8"
$35TB20 (D A. = \frac{5}{8}")$	165/8
36TB24 (DIA. = 5%")	2Ø5/8
66TB28 (DIA. = $\frac{1}{8}$ ")	24½
66TB34, 66TB36 (DIA. = ½")	28%
3B5/sx24, SB1/sx24	18"
3B1x30	24"

Date: 2022.06.15





NI-JOIST CANTILEVER 64) + 000+0+



MONO/JACK TRUSS TO RIM $(\neg 4)$ scale: $\frac{3}{4}$ "=1"

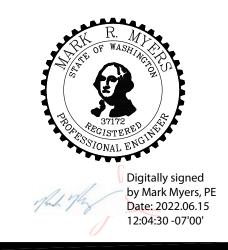
- 1. BASE PLATE NAILING AND EDGE NAILING PER SHEAR WALL SCHEDULE
- 2. I-JOIST PER PLAN SECURED TO SILL PLATE W/ (3) 8d NAILS
- 3. SOLID CONTINUOUS RIM BOARD W/ 10d NAILS (0.131"x3") TO TOP AND BOTTOM CHORD OF EACH JOIST
- 4. WEB STIFFENER AND/OR JOIST REINFORCEMENT WHERE REQUIRED BY JOIST MANUE.
- 5. I-JOIST BLOCKING SECURED TO TOP PLATE W/ 8d NAILS AT 6" O.C.
- 6. 2x STUD WALL OR BEAM PER PLAN

- 1. 2× STUD WALL W/ SHEATHING \$ NAILING PER SHEAR WALL SCHEDULE 2. FLOOR JOISTS PER PLAN.
- 3. JACK/MONO TRUSS PER PLAN W/ LUS HANGER TO RIM
- 4. 2X RIM JOIST MINIMUM W/ 8d TOE NAILS @ 6" O.C. TO TOP PLATE
- 5. JOISTS PER PLAN OR JOIST BLOCKING @ 24" O.C. IN FIRST BAY TOE NAILED TO TOP PLATE W/ (2)8d TOE NAILS
- 6. STUD WALL OR BEAM PER PLAN
- 1. ROOF DIAPHRAGM EDGE NAILING PER PLAN
- 8. 2× BLOCKING BETWEEN TRUSSES ATTACHED TO WALL W/ 10d NAILS STAGGERED AT 6" O.C.
- 9, 2X BLOCKING BETWEEN STUDS W/ (2) IØd COM. TOE NAILS PER STUD



V

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BUILDING DEPT. APPROVAL STAMPS:

REVISION:	INIT:	DATE:
		DATE: 6-15-2022
S 7	,	INIT: MM
51		
		PROJECT #: 2431