STANDARD ABBREVIATIONS AND SYMBOLS

ANGLE	4
CENTERLINE CHANNEL	ς Γ Φ #
DIAMETER OR ROUND	Ø,
NUMBER OR Penvind	# d
PERPENDICULAR	
PLATE ANCHOR BOLT	P AB
	AC
AIR CONDITIONING ACOUSTICAL TILE	A/ ACC
AREA DRAIN	AD
ADDITIVE ADHESIVE	ADD ADH
ADJACENT	ADJ
ADJUSTABLE ACCESS FLOOR	ADJT AF
ABOVE FINISH FLOOR	AFF
AGGREGATE ALUMINUM	AGG AL
ALTERNATE	ALT
ACCESS PANEL APPROXIMATE AF	AP PROX
ARCHITECTURAL	ARCH
ASPHALT ATTENUATION	ASPH ATT
ACOUSTICAL WALL FABRIC	AW
ACOUSTICAL WALL PANFL	AV ₽ P
BOARD	BD
BETWEE Bituminous f	bet Bituwi
BUILDING	BLDG
BLOCK BLOCKING	BLK BLKG
BEAM	BM
BEARING BOTTOM	BRG BOT
BEDROCK	BR
BRICK BASEMENT	BRK BSMT
BUILT-UP ROOF	BUR
CABINET	CAB
CATCH BASIN	CB
CEMENT CERAMIC	CEM CER
CUBIC FEET PER	CFM
CONNECTIVE FLOOR TILE	CFT CG
	CHBD
CAST IRON CONTROL JOINT	CI CJT
CEILING	CLG
CONSTRUCTION JOINT CUP SINK	CJ CS
CAULKING	CLK
CLOSET CLEAR	CLO CLR
CLEAR CERAMIC MOSAIC TILE	CLR CMT
CONCRETE MASONRY UNIT COUNTER	CMU CNTR
CLEANOUT	CNTR
COLUMN CONCRETE	COL CONC
	CONC
	NSTR CONT
CORRIDOR	CORR
CARPET CASEMENT	CPT CSMT
CERAMIC TILE	CSIMI
CENTER COUNTER SINK	CTR CTSK
CUBIC YARD	CY
DOUBLE	DBL
DEPARTMENT	DEPT
DETAIL DRINKING FOUNTAIN	DET DF
DEIONIZED WATER	DI
DIAMETER DIAGONAL	DIA DIAG
DIMENSION	DIM
DISPENSER DAMPPROOFING	DISP DMPF
DOWN	DN
DAMPER DOWNSPOUT	DPR DS
DISHWASHER	D
DRAWING	DW G
EAST EACH	E FA
EXPANSION BOLT	EB
EXPANSION JOINT FXTERIOR INSULATED	EJ EIFS
FINISH SYSTEM	
ELEVATION ELECTRIC	EL ELEC
ELEVATOR	ELEV
ENTRY Maergency	EM EMER
ENCLOSURE OR ENCLOSED	ENCL
ELECTRIC PANEL BOARD EPOXY	EP EPX
EQUAL	EQ
EQUIPMENT EMERGENCY	EQPT ESE
SHOVER/	W
ESTIM ATA SH EXHAUST	EST
	ΕX
EXPANSION	旧
EXPANSION EXISTING EMERGENCY EYE	
EXISTING	HE (ES) E EXX
EXISTING EMERGENCY EYE EXATERIOR	旧 (図) E
EXISTING EMERGENCY EYE EXXTSERIOR FIRE ALARM FLAT	H (12) E E X T FA FB
EXISTING EMERGENCY EYE EXXASERIOR FIRE ALARM	HE (123) E ₩X T FA
EXISTING EMERGENCY EYE EXATSERIOR FIRE ALARM FLAT BIASTER BOARD FURNISHED BY EUTRINESSED BY CONTRACTOR	HE (⊠) E EXX T FA FB FBD FBO FCIC
EXISTING EMERGENCY EYE EXASERIOR FIRE ALARM FLAT BASER BOARD FURNISHED BY	HE (⊠) E EXX T FA FB FBD FBO FCIC
EXISTING EMERGENCY EYE EXATSTRIOR FIRE ALARM FLAT BASER BOARD FURNISHED BY EUTRINISHED BY EUTRINISHED BY CONTRACTOR INSTALL BY CONTRACTO FACTORY FLOOR DRAIN	HE (12) E EXX T FA FB FBD FBD FCIC R FCTY FD
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EXISTING EMERGENCY EYE EXATSTRIOR FIRE ALARM FLAT BARER BOARD FURNISHED BY EUTRINISHED BY CONTRACTOR INSTALL BY CONTRACTOR FACTORY FLOOR DRAIN FOUNDATION	H (Ø) E E W T FA FBD FBD FCIC R FCTY FD FDN FE

FIBERGLASS FGL	
FIRE HOSE CABINET FHC FINISH FIN	
FLOOR FL	
FLASHING FLG	
FLUORESCENTFLUORFACE OF CONCRETEFOC	
FACE OF FINISH FOF	
FURNISH BY FOIC	
OVINNEE BY CONTRACTOR	
FURNISH BY FOIO OVWSSTRALL BY	
FACEVONER FOS	
STREDLACE FP	
FULL SIZE FS	
FEET FT FIRE PROOFING FPRF	
FOOTING FTG	
FURRING FURR	
FUTURE FUT FUTURE ROUGH-IN FUT-RIO	
Х	
GAUGE OR GA	
GAD∉ANIZED GALV GRAB BAR GB	
GENERAL GEN CONTR	
CONTRACTOR	
GLASS OR GLAZING GL GLU-LAM GLBM	
BEASS MESH MORTAR GMMU	
GRATUND GND	
GRADE GR	
GYPSUM WALL GW BØARUM GYB	
HOSE BIB HB	
HARD BOARD HBD	
HOLLOW CORE HC HAND DRYER HD	
HEADER HDR	
HARDWOOD HDW	
HARDWARE HDW	
HOLLOW HM2 MM2TRAZIONTAL HORIZ	
HOUR HR	
HEIGHT HT	
HEATING HTG	
HEATING, VENTILATING, HVAC AIR CONDITIONING	
HOT WATER HW	
HEATER H	
INSIDE DIAMETER ID	
(DIMENSION) INSULATED GLAZING IG	
INSULATED IN INSULATED IN	
HOMEDAX	
INCLUDE INCL INSULATION INSUL	
INTERIOR INT	
JANITOR JAN	
JOIST JST JOINT JT	
KITCHEN KIT	
KNEE SPACE KS	
LABORATORY LAB	
LABORATORY LAB	
LAVATORY LAV	
LAG LB	
BEONLIGTH LG LEFT LH	
LEAGNER LKR	
LIQUID MARKING SURFACE LMS	
LIGHT WEIGHT CONCRETE LWC	
MACHINE MACH	
MASONRY MAS	
MATERIAL MATL	
MAXIMUM MA MEDICINE CABINET M X	
MEDICINE CABINET M& MEDIUM DENSITY OVERLAY MDO	
MEDICINE CABINET M& MEDIUM DENSITY OVERLAY MDO MECHANICAL MECH	
MEDICINE CABINET M& MEDIUM DENSITY OVERLAY MDO	
MEDICINE CABINETM&MEDIUM DENSITY OVERLAYMDOMECHANICALMECHMEMBRANEMEMB	
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PAIR PRE-CAST PRESSURE TREATED PAPER TOWEL PASPERVED DISPEDISFECEPTACLE PARTITION PAPER TOWEL RECEPTACLE POLYVINYL CHLORIDE PAVEMENT QUARRY TILE RISER	PR PRCST PTD PTD/ R PTN PTR PVC PVMT QT R
RETURN AIR RADIUS RUBBER ROSE& ROCHFDRAIN ROOF DRAIN, REFERENCE REFRIGERATOR REINFORCED REQUIRED RESILIENT REGISTER RIGHT HAND OR ROBE ROOM ROUGH OPENING OR REVERS OSMOSIS WATER	RA RAD RB R&S RD/ REBAD REF REFR REFR REINF RESIL RGTR RH RM E RO
SOUTH SOLID CORE	RS RUB RVS S SC
SOLID CORE SEAT COVER DISPENSER SCHEDULE SOAP DISPENSER SECTION SQUARE SAEETY GLAZING SHOWER SHEET SHEATHING SOLAR INSULATED GLAZING SIMILAR SINK SEALER SANITARY NAPKIN DISPENSER SANITARY NAPKIN	SCD SCHD SD SECT SF SG SHR SHT SHTH SIG SIM SK SLR SND SNR
RECEPTACLE SEALANT STAND PIPE SPECIFICATION SQUARE STAINLESS STEREACE SINK SOUND TRANSMISSION CLASS STANDARD STEEL	SNT SPEC SQ SST SSK STC STD STL
STORAGE STRUCTURAL SUSPENDED SHEET VINYL OR SEAMMLYESS SERVICE SYMMETRICAL SWITCHBOARD SPECIAL WALL COVERING	STOR STRL SUSP SV SVCE SYM SWB SW(D)
TREAD TOWEL BEARRAZZO TELEPHONE TOP AND BONTODE AND GROPEWED GLAZING THRESHOLD TEMPERED INSULATED GLAZING	T TB TER TEL T& T & T B THR TIG
TACKBOARD TOP OF TOP OF CORBF FOOTING TOP OF PROPEDMENT STOREOF STOREOF VOALET PAPER DISPENSER TOILET PARTITION TELEVISION TYPICAL	TKBD TO TOC TOF TOP TOS TOSL TO TPM TPTN TV TYP
UNDERWRITERS LABORATORY UNFINISHED UNLESS OTHERWISE NRITERD	UNF UON UR
VARIES VINYL BASE VINYL COMPOSITION TILE VAPOR RETARDER VENTILATOR VERTICAL VESTIBULE VINYL VENEER VINYL TILE VINYL WALL COVERING	VAR VB VCT VENT VERT VEST VIN VNR VT VWC
WES WITH WITHOUT WATER WIDDOW WINDOOW WIRE WIESHER PROOF WORKING POINT WATER RESISTANT WAINSCOT WEIGHT WELDED WIRE FRANSFORMER	W W/ WQ WD WD W WD WV WV WV WV W WV W XFMR

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G 1.1	WINDOW & DOC NOTES, ASSEMBL	DR SCH, ENERGY & MECH COE LIES	DE ENERGY CODE NOTES,	MECH NOTES, SCHEDUL	ES	justin@islandcre
SURVEY						GENERAL CON ISLAND CREST
1 OF 1	SURVEY		SURVEY PROVIDED FO	R REFERENCE ONLY		JUSTIN DAVIS 206.422.2271 justin@islandcre
CIVIL C 1.0	TESC / TREE RET	ΕΝΤΙΩΝ ΡΙ ΔΝΙ	TEMPORARY FROSION	AND SEDIMENT CONTRO		•
C 1.2 C 2.0	TESC & CITY NOT DRAINAGE / CIVI	ES	TESC NOTES, CITY NOT			PLUMBING CC PRIORITY PLUM 425.896.7515
C 3.0	STORM PROFILE		STORM PROFILE DIAGR			nolan@yourpric
C 3.5 C 4.0	BMP DETAILS DETENTION PRO	FILE AND DETAIL	BMP DETAILS, NOTES	IAGRAM, IMPERVIOUS CA	ALCS, NOTES	MECHANICAL PPS HEATING
ARCHITECTURAL						425.270.3174 info@pps-heati
A 1.0 A 1.1	SITE PLAN ZONING DIAGRA	MS	SITE PLAN, ZONING NC AVG. GRADE, LOT COV			
A 1.2	ARCH FOUNDAT	ION & EXCAVATION PLAN	EXCAVATION PLAN AN	D DETAILS, CRAWLSPACE		BUILDI
A 2.0 A 2.1	MAIN LEVEL PLAN		UPPER LEVEL PLAN, FA	DIAGRAM, PLAN NOTES R DIAGRAM, PLAN NOTES		BUILDING OCC CONSTRUCTIO
A 2.2 A 3.0	ROOF PLAN ELEVATIONS		ROOF PLAN, VENTING NORTH ELEV, EAST ELE			GOVERNING C
A 3.1 A 4.0	ELEVATIONS SECTIONS		SOUTH ELEV, WEST ELI BUILDING SECTIONS, D			
A 4.1 A 5.0	SECTIONS TYPICAL DETAILS		BUILDING SECTIONS, D STANDARD DETAILS	ETAILS		
A 5.1	FRAMING DETAIL		FRAMING DETAILS @ R	OOF, WALLS, CRAWLSPA	CE, ETC.	
A 5.2 A 6.0	STAIR DETAILS	FIONS	STANDARD STAIR DETA			GARA
E 1.0 E 1.1	MAIN LEVEL RCP			AND SWITCHING PLAN G AND SWITCHING PLAN		$\left\langle \right\rangle$
MECHANICAL M 1.0	HRV DIAGRAMS			G RUNS AND TERMINATIO		
STRUCTURAL	GENERAL STRUC					$\langle \rangle$
5 1.1 5 2.0		TURAL NOTES AND SCHEDUL MAIN LEVEL FRAMING PLAN	ES			
5 2.1 5 2.2	UPPER LEVEL FRA ROOF FRAMING					2
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A NFPA 72 - CHAPTER 29 MONITORED FIRE ALARM SYSTEM IN COMPLIANCE WITH NFPA 72 AND COMI STANDARDS SHALL BE INSTALLED THROUGHOUT THE RESIDENCE. A SEPARATE FIRE PERMIT IS REQUIRED.

A NFPA 13D FIRE SPRINKLER SYSTEM IN COMPLIANCE WITH NFPA 13D AND CoMI STANDARDS SHALL BE INSTALLED THROUGHOUT THE RESIDENCE. A SEPARATE FIRE PERMIT IS REQUIRED.

PROJECT TEAM

OWNER SLAND CREST DEVELOPMENTS LLC FIRST LAMP, LLC JUSTIN DAVIS 206.422.2271 justin@islandcrestbuilders.com

GENERAL CONTRACTOR SLAND CREST BUILDERS LLC JUSTIN DAVIS 206.422.2271 ustin@islandcrestbuilders.com

PLUMBING CONTRACTOR PRIORITY PLUMBING LLC 425.896.7515 nolan@yourpriorityplumbing.com

MECHANICAL CONTRACTOR PPS HEATING & AC 425.270.3174 nfo@pps-heating.com

BUILDING CODE NOTES

BUILDING OCCUPANCY CONSTRUCTION TYPE



TAYLOR CALLAWAY, AIA

ARCHITECT

206.414.9884

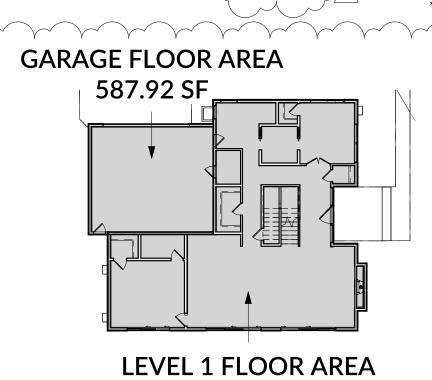
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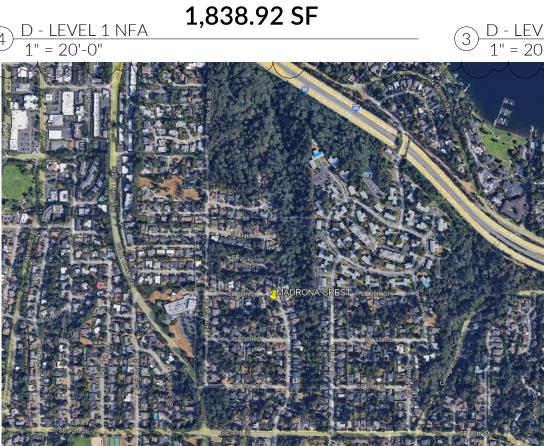
FLOOR AREA

HEATED FLOOR A UPPER LEVEL

TOTAL HEATED F

UNHEATED FLOC







1 EXTERIOR PERSPECTIVE NTS - FOR REFERENCE ONLY

SG <u>SAFETY GLAZING</u>

(ELEVATION VIEW)

PROJECT # 2306-185

ADDRESS

OWNER

pacpeakelectric@gmail.com

203.930.0342 duffy@cesolutions.us

(R-3 ≻V-В ≻2018 IRC

2018 IMC

2018 UPC

2018 IFC 2018 WSEC-R /1\ *SEE SHEET A1.1

PROPERTY INFORMATION

PARCEL

502190-0045

3605 86TH AVE SE, MERCER ISLAND, WA, 98040

ISLAND CREST BUILDERS

LEGAL DESCRIPTION

LOT 9 BLOCK 1 MADRONA CREST ADDITION, AS PER PLAT RECORDED IN VOLUME 42 OF PLATS, PAGE 12, RECORDS OF KING COUNTY AUDITOR;

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

AREA	
R AREA:	4 000 00 55
	1,838.92 SF 1,554.12 SF
FLOOR AREA	3,393.04 SF
DOR AREA:	587.92 SF
	J07.72 JF
LEVEL 2 FLOOR ARE 1,554.12 SF	
EVEL 2 NFA 20'-0"	

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206.414.9884 4915 RAINIER AVE S, STE 202 SEATTLE, WA 98118 INFO@FIRSTLAMP.NET





MUNICIPAL APPROVAL STAMPS

MERCER ISLAND #2306-185 CD || FL 2302 4 OCT 2023

REVISIONS NO. DESCRIPTION DATE Corrections #1 10/4/23

DRAWN BY: D. F. GONZALEZ

COVER SHEET

INSULATION INSTALLATION NOTES

FLOORS

1. FLOOR INSULATION SHALL BE INSTALLED TO MAINTAIN PERMANENT CONTACT WITH TOWNHOUSES SHALL BE PROVIDED WITH A SOLAR-READY ZONE OF NOT LESS THE UNDERSIDE OF THE SUBFLOOR DECKING.

2. INSULATION SUPPORTS SHALL BE INSTALLED SO SPACING IS NO MORE THAN 24" OC. APPLICABLE CODE: 3. FOUNDATION VENTS SHALL BE PLACED SO THAT THE TOP OF THE VENT IS BELOW

ACCESS HATCHES AND DOORS

THE LOWER SURFACE OF THE FLOOR INSULATION.

1. ACCESS DOORS FROM CONDITIONED SPACES TO UNCONDITIONED SPACES SHALL BE WEATHERSTRIPPED AND INSULATED TO A LEVEL EQUIVALENT TO THE INSULATION ON **T103.4 CONSTRUCTION DOCUMENTS:** THE SURROUNDING SURFACES.

2. A WOOD FRAMED OR EQUIVALENT BAFFLE OR RETAINER IS REQUIRED TO BE PROVIDED WHEN LOOSE FILL INSULATION IS INSTALLED, THE PURPOSE OF WHICH IS TO T103.3 SOLAR-READY ZONE AREA: PREVENT THE LOOSE FILL INSULATION FROM SPILLING INTO THE LIVING SPACE WHEN THE ACCESS HATCH IS OPENED.

RECESSED LIGHTING

1. RECESSED LIGHTING FIXTURES INSTALLED IN THE BUILDING'S THERMAL ENVELOPE SHALL BE TYPE IC RATED UNDER ASTM E283 AS HAVING AN AIR LEAKAGE RATE OF NOT T103.4 OBSTRUCTIONS & T103.5 SHADOWS: MORE THAN 2.0CFM WHEN TESTED AT 75PA AND SHALL HAVE A LABEL DEMONSTRATING THIS STANDARD.

HOUSING AND THE INTERIOR WALL OR CEILING COVERING.

WALLS

1. WALL, DOOR, AND WINDOW HEADERS SHALL BE INSULATED TO A VALUE OF R-10.

SOLAR-READY ZONE

PER 2018 IRC - APPENDIX T - NEW ONE AND TWO-FAMILY DWELLINGS SHALL BE PROVIDED WITH A SOLAR-READY ZONE OF NOT LESS THAN 300 SF. THAN 150 SQUARE FEET FOR EACH DWELLING UNIT.

2018 WASHINGTON STATE RESIDENTIAL ENERGY CODE - APPENDIX T

T103.1 GENERAL:

THE SOLAR-READY ZONE SHALL COMPLY WITH SECTIONS T103.2 THROUGH T103.10

CONSTRUCTION DOCUMENTS SHALL INDICATE THE SOLAR-READY ZONE.

THE SOLAR-READY ZONE MAY BE COMPRISED OF ONE SINGLE AREA OR OF MULTIPLE SEPARATED AREAS. NO SOLAR-READY ZONE SHALL BE LESS THAN 5 FEET IN ANY DIMENSION NOR LESS THAN 80 SF OF CONTIGUOUS AREA. AREA SHALL BE NOT LESS THAN 300 SF EXCLUSIVE OF MANDATORY ACCESS.

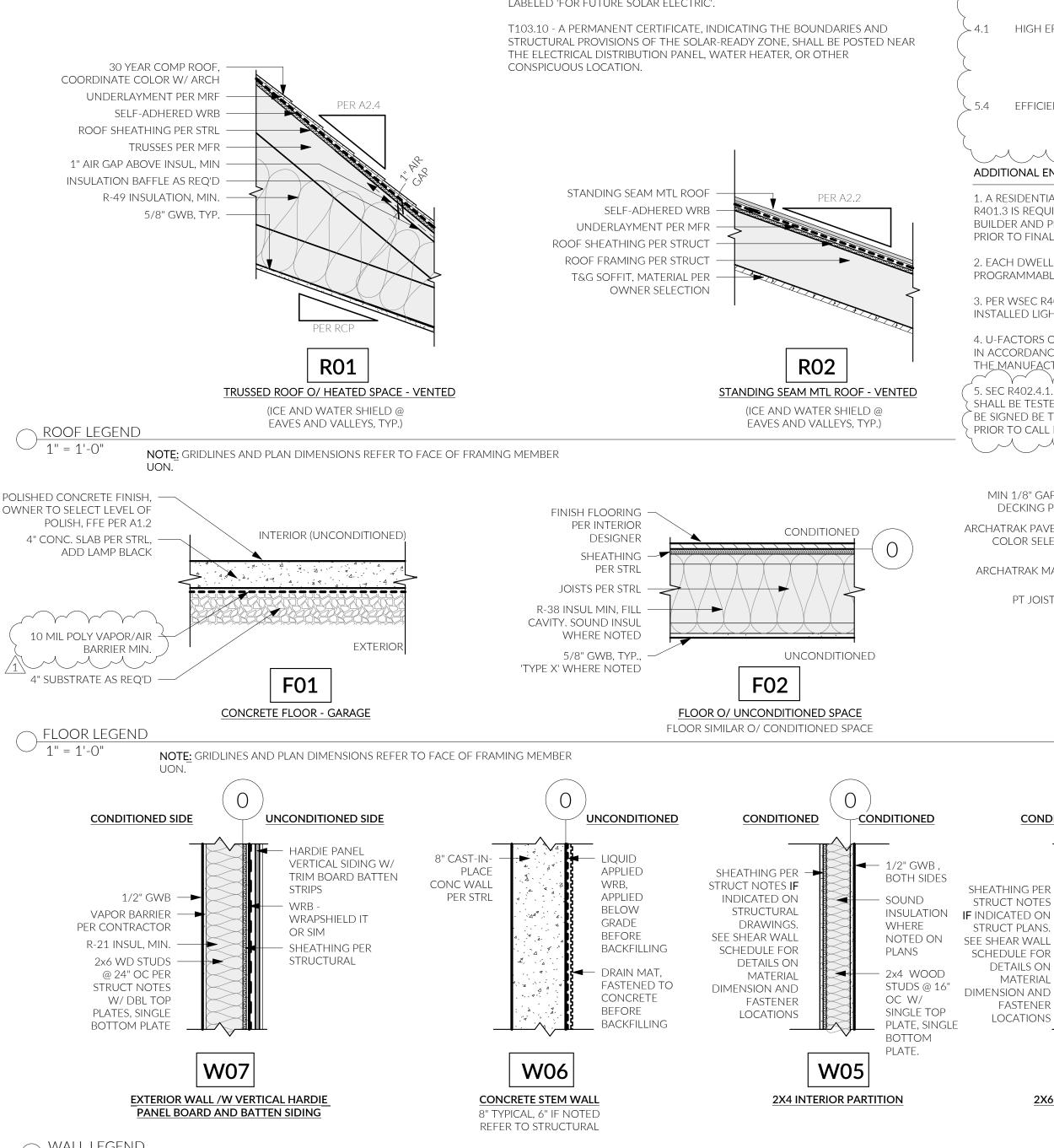
THE SOLAR-READY ZONE SHALL BE FREE FROM OBSTRUCTIONS INCLUDING, BUT NOT LIMITED TO, VENTS, CHIMNEYS, AND ROOF-MOUNTED EQUIPMENT. 2. ALL RECESSED FIXTURES SHALL BE SEALED WITH A GASKET OR CAULK BETWEEN THE PERMANENTLY INSTALLED OBJECTS ADJACENT TO THE SOLAR-READY ZONE SHALL BE LOCATED SO THAT THEY DO NOT CAST SHADOWS ON THE SOLAR-READY ZONE WHEN THE SUN IS DIRECTLY EAST. WEST. OR SOUTH OF THE SOLAR-READY ZONE AT A DISTANCE NOT LESS THAN TWO TIMES THE OBJECTS HEIGHT ABOVE THE NEAREST POINT ON THE ROOF SURFACE. SUCH OBJECTS INCLUDE, BUT ARE NOT LIMITED TO, TALLER PORTIONS OF THE BUILDING, PARAPETS, CHIMNEYS, ANTENNAS, ROOFTOP EQUIPMENT, TREES, AND ROOF PLANTINGS. SHADING FROM FUTURE TREE GROWTH NEED NOT BE CONSIDERED.

T103.6 CAPPED ROOF PENETRATION SLEEVE:

A CAPPED ROOF PENETRATION SLEEVE SHALL BE PROVIDED ADJACENT TO SOLAR-READY ZONE LOCATED ON A ROOF SLOPE OF NOT GREATER THAN 1:12. THE CAPPED ROOF PENETRATION SLEEVE SHALL BE SIZED TO ACCOMMODATE THE FUTURE PHOTOVOLTAIC SYSTEM CONDUIT, BUT SHALL HAVE DIAMETER NOT LESS THAN 1 1/4".

ADDITIONAL SOLAR-READY NOTES:

T103.9 - THE MAIN ELECTRICAL SERVICE OR FEEDER PANEL FOR EACH DWELLING UNIT SHALL HAVE A RESERVED SPACE TO ALLOW INSTALLATION OF A DUAL-POLE CIRCUIT BREAKER FOR FUTURE SOLAR ELECTRIC INSTALLATION AND SHALL BE LABELED 'FOR FUTURE SOLAR ELECTRIC'.



── WALL LEGEND 1" = 1'-0"

ENERGY CODE COMPLIANCE

PER R101.43 - ALL NEW / ALTERED OR RENOVATED PORTIONS SHALL CONFORM TO THE 2018 WASHINGTON STATE ENERGY CODE

APPLICABLE CODE:	2018 WASHINGTON STATE RESIDENTIAL ENERGY CODE
CLIMATE:	4C

CLIMATE: 4C		101 103	ENTRY LIVING	3' - 6" 11' - 6"
COMPLIANCE PATH: PRESCRIPTIVE		104	KITCHEN	11' - 6"
	93.04 SF	105 106	FAMILY ROOM	2' - 8" 8' - 10"
AREA OF GLAZING IN WALLS	388.0 SF 🧹	107	FAMILY ROOM	2' - 8"
AREA OF SKYLIGHTS 55.9 SF (NOT IN CONDITIONE)	26.17%	108 109	BATH HALL	2' - 6" 2' - 6"
COMPLIANCE PATH:	X402.1.1	110	PANTRY	2' - 6"
REQUIREMENTS		111	MUD MECH	2' - 6" 2' - 6"
VERTICAL GLAZING U FACTOR - EXCLUDES SKYLIGHTS OVERHEAD GLAZING U FACTOR	.28 .50	113	2-CAR GARAGE	2' - 6"
DOOR U FACTOR	.30	114 115	2-CAR GARAGE MUD	18' - 0" 2' - 4"
CEILING VAULTED CEILING	R-49 R-38	116	OFFICE	5' - 0"
WALL - ABOVE GRADE WALL - BELOW GRADE INTERIOR BATT	R-21 R-21	117 118	OFFICE	2' - 4" 2' - 6"
WALL - BELOW GRADE EXTERIOR RIGID FLOOR	R-10 R-38	119	HALL	2' - 6"
SLAB ON GRADE	R-10	LEVEL	2 M BED	2' - 6"
STRUCTURAL HEADERS	R-10	202	M BATH	2' - 10"
ADDITIONAL REQUIREMENTS (WSEC SECTION R406)		203 204	WC LAUNDRY	2' - 6" 3' - 0"
TABLE R406.2 FUEL NORMALIZATION CREDITS		205	BED 2	2' - 6"
SYSTEM TYPE 2:	1.0	206	BATH BED 2	2' - 6" 5' - 0"
HEAT PUMP THAT MEETS FEDERAL STANDARDS		208	BED 3	2' - 6"
TABLE R406.3 ENERGY CREDITSCLASSIFICATION (4129 COND. SF) MEDIUM DWELLING UNIT		209	BED 3 HALL	5' - 0" 2' - 6"
CREDITS REQUIRED CREDITS PROPOSED	6.0 6.0	211	BED 4	2' - 6"
		212	BED 4	5' - 0"
1.3 EFFICIENT BUILDING ENVELOPE OPTION	0.5			
2.2 ^Y REDUČE THE ^Y TESTEĽ AIR LEÅKAGE TO 2.0 ÅIR CHÅNGES ^Y PER HOUR MAXIMUM AT 50 PASCALS. WHOLE HOUSE	^Y 1.0	~ γ Δחדוחח	nal energy NC	
VENTILATION TO BE MET WITH HRV W/EFFICIENCY OF 0.65 OR GREATER.) }-		TIFICATE IS REQU	
		SPACE V	/HERE THE FURN	IACE IS L
3.5 HIGH EFFICIENCY HVAC EQUIPMENT AIR-SOURCE, CENTRALLY DUCTED HEAT PUMP			LECTRICAL PANE	
W/ MIN HSPF OF 9.5			RATION, RESULTS MECHANICAL VE	
4.1 HIGH EFFICIENCY HVAC DISTRIBUTION OPTIONS ALL SUPPLY/RETURN DUCTS LOCATED IN	0.5 <	AND TH	E TYPES AND EFF G/COOLING/WHO	ICIENCI
AN UNCONDITIONED ATTIC SHALL BE DEEPLY			TER HEATING EC	
BURIED IN CEILING INSULATION IN ACCORDANCE W/SECTION R403.3.7	χ	7. A CON	ITINUOUS AIR BA	RRIER S
5.4 EFFICIENT WATER HEATING	. –		G ENVELOPE, AN PE SHALL BE FILL	
ELECTRIC HEAT PUMP WATER HEATER MEETING THE STANDARDS FOR TIER 1 OF NEEA'S ADVANCED	\ \ \		402.4.1.1 FOR DE	
WATER HEATING SPECIFICATION		\checkmark	MM	\mathcal{A}
ADDITIONAL ENERGY NOTES				
1. A RESIDENTIAL ENERGY COMPLIANCE CERTIFICATE COMPLYING WIT		DOOR N 1 REEF	otes Er to A2.1 Floo	r pi an i
R401.3 IS REQUIRED TO BE COMPLETED BY THE DESIGN PROFESSIONA BUILDER AND PERMANENTLY POSTED WITHIN 3' OF THE ELECTRICAL F	LOR	2. CON	TRACTOR TO FIE	ELD VERI
PRIOR TO FINAL INSPECTION.		DOC	DRS.	
2. EACH DWELLING UNIT IS REQUIRED TO BE PROVIDED WITH AT LEAS			DOORS IN PLANE INTENDED TO H	
PROGRAMMABLE THERMOSTAT FOR THE REGULATION OF TEMPERATU	JRE.		IFY ARCHITECT I SHTS OR ALIGNM	
3. PER WSEC R404.1, A MINIMUM OF 90 PERCENT OF LAMPS IN PERMA INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS.			YPE DESIGNATIC	
		F	FLUSH PA	ANEL
4. U-FACTORS OF WINDOWS, DOORS AND SKYLIGHTS SHALL BE DETER IN ACCORDANCE WITH NFRC 100 AND SHALL BE LABELED AS SUCH FR		F/F FP	DOUBLE FLUSH PO	
THE MANUFACTURER.	\sim	L N	LOUVER NARROW	/ GLASS
5. SEC R402.4.1.2: AIR LEAKAGE SHALL NOT EXCEED 1.5 AIR CHANGES/ SHALL BE TESTED AS SUCH. A WRITTEN REPORT OF THE TEST RESULTS	HR AND	G FG	GLASS FULL GLA	
BE SIGNED BE THE TESTING PARTY AND PROVIDED TO THE BLDG INSP	PECTOR,	FG/FG	DOUBLE	FULL GL
PRIOR TO CALL FOR FINAL INSPECTION.	$\sqrt{1}$	SGD	SLIDING	glass d
		DO <u>OR M</u> Al	<mark>IATERIAL</mark> ALUMINU	IM
MIN 1/8" GAP BETWEEN		FBGL SCWD	FIBERGLA SOLID CC	\ SS
DECKING PER OWNER				
RCHATRAK PAVERS OR SIM.	D	AL	<u>MATERIAL</u> ALUMINU	JM
OWNERS		FBGL SCWD	FIBERGLA SOLID CO	
ARCHATRAK MACROMESH OR SIM		KERF	METAL K	
PT JOISTS PER STRL				
		PAINT DOORS	PROVIDE	EXTERIO
UNCONDITIONE	•	ANOD WD VEN	ANODIZE	
			ARE OPERATION	
FO3		ENTRY	ENTRY LO	OCKSET
DRIP-THRU PAVERS ON		deadbc privacy	LATCH A	ND LOC
GRATE DECK		PASSAGE	LATCH O	NLY
((O)			
		UNCON	IDITIONED SIDE	
1/2" GWB,		•)		
5/8" TYPE-X @ GARAGE			RATCH COAT, DRTAR, GROUT A	ND
	WB -	VE	NEER STONE FIN	IISH,
INDICATED ON INSLITATION VAPOR BARR		ā	LECTION PER OV ETAL LATH PER	
STRUCT PLANS. INSULATION PER CONTRACT			ONE INSTALLER	PI

			· · · · · · · · · · · · · · · · · · ·				<u>L</u>	DOOR S		ULE				
	TO ROOM:					OR		FRAN			_	HA	RDWARE	_
ARK	NAME	WIDTH	HEIGHT	TYPE	GLAZING	MATERIAL	FINISH	MATERIAL	FINISH FI	RE RATING	U-FACTOR	SET	OPERATION	COMMENTS
EVEL 1			1										1	
LO1	ENTRY	3' - 6"	9' - 0"	FG	TEMPERED						0.28		ENTRY	
103	LIVING	11' - 6"	8' - 0"	SGD	TEMPERED					-	0.28		OXX SLIDER	
104	KITCHEN	11' - 6"	8' - 0"	SGD	TEMPERED					-	0.28		OXX SLIDER	
	FAMILY ROOM	2' - 8"	6' - 8"	F	-					-			PASSAGE	
	FAMILY ROOM	8' - 10"	8' - 0"	SGD	TEMPERED					-	0.28		OXX SLIDER	
	FAMILY ROOM	2' - 8"	6' - 8"	F	-					-			PASSAGE	
108	BATH	2' - 6"	6' - 8"	F	-					-			PRIVACY	
109	HALL	2' - 6"	6' - 8"	F	-					-			PASSAGE	
10	PANTRY	2' - 6"	6' - 8"	F	-					-			PASSAGE	
11	MUD	2' - 6"	6' - 8"	F	-					20-MIN			PASSAGE	AUTO-CLOSING 20-MIN FIRE RATED DOOR
.12	MECH	2' - 6"	6' - 8"	F	-					20-MIN			PASSAGE	AUTO-CLOSING 20-MIN FIRE RATED DOOR
	2-CAR GARAGE	2' - 6"	6' - 8"	F	-					-			ENTRY	
14	2-CAR GARAGE	18' - 0"	8' - 0"	-	-					-			OVERHEAD	OVERHEAD GARAGE DOOR PER OWNER
15	MUD	2' - 4"	6' - 8"	FP	-					-			POCKET	
16	OFFICE	5' - 0"	6' - 8"	F/F	-					-			DBL PASSAGE	
.17	OFFICE	2' - 4"	6' - 8"	FP	-					-			POCKET	
.18	OFFICE	2' - 6"	6' - 8"	F	-					-			PASSAGE	
.19	HALL	2' - 6"	6' - 8"	F	-					-			PASSAGE	
VEL 2	-													
201	M BED	2' - 6"	6' - 8"	F	-					-			PRIVACY	
202	M BATH	2' - 10"	6' - 8"	FP	-					-			POCKET	
203	WC	2' - 6"	6' - 8"	F	-					-			PRIVACY	
204	LAUNDRY	3' - 0"	6' - 8"	F	-					-			PASSAGE	
205	BED 2	2' - 6"	6' - 8"	F	-					-			PRIVACY	
206	BATH	2' - 6"	6' - 8"	F	-					-			PRIVACY	
207	BED 2	5' - 0"	6' - 8"	F/F	-					-			SLIDER	2-PANEL SLIDING CLOSET DOOR
208	BED 3	2' - 6"	6' - 8"	F	-					-			PRIVACY	
209	BED 3	5' - 0"	6' - 8"	F/F	-					-			SLIDER	2-PANEL SLIDING CLOSET DOOR
210	HALL	2' - 6"	6' - 8"	F	-					-			PASSAGE	
211	BED 4	2' - 6"	6' - 8"	F	-					-			PRIVACY	
212	BED 4	5' - 0"	6' - 8"	F/F	-					-			SLIDER	2-PANEL SLIDING CLOSET DOOR

O BE POSTED ON A WALL IN THE LOCATED, A UTILITY ROOM, OR WSEC R401.3 AND INCLUDE THE VALUES, U-VALUES OF AIR LEAKAGE TESTING, WHOLE-

ON SYSTEM FLOW RATE TEST, IES OF

USE MECHANICAL VENTILATION

SHALL BE INSTALLED IN THE CAVITIES IN THE THERMAL "H INSULATION. REFER TO WSEC

- FOR DOOR SWING DIRECTION. RIFY EXISTING ROUGH OPENINGS DOORS PRIOR TO ORDERING
- ADJACENT DOORS OR WINDOWS E HEADERS ALIGNED; UON. PLEASE IS A DISCREPENCY IN HEADER

	JUNATIONS
	FLUSH PANEL
_	DOUBLE FLUSH
	FLUSH POCKET
	LOUVER
	NARROW GLASS
	GLASS
I	FULL GLASS
i/FG	DOUBLE FULL GLASS
D	SLIDING GLASS DOOR

ALUMINUM
FIBERGLASS
SOLID CORE WOOD DOOR

DOD DOOR

COLUMN FOR COLOR INFORMATION) OR PRIMER AND PAINT AT EXTERIOR

CONDITIONED SIDE

MINUM FINISH VISH TBD

CK FROM ONE SIDE

UNCONDITIONED SIDE



ADDITIONAL CLEARANCES ON 7 / A 5.0

SCHEDULE FOR

DETAILS ON

MATERIAL

FASTENER

W04

2X6 INTERIOR PARTITION

LOCATIONS

						WINDOW	/			
							GLAZING			
PLAN TAG	QUANTITY	TYPE	WIDTH	HEIGHT	MATERIAL	FINISH	TYPE	U-VALUE	SILL HEIGHT	HEAD HEIGHT
Vindows										
EVEL 1										
А	2	FIXED	3' - 8"	9' - 0"	FBGL	BLACK		.28	0"	9' - 0''
D	1	CASEMENT	2' - 9"	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
E	1	FIXED	3' - 6"	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
F	1	SLIDER	7' - O''	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
G	2	FIXED	4' - 0"	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
EVEL 2				I						
D	2	CASEMENT	2' - 9"	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
E	2	FIXED	3' - 6"	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
F	2	SLIDER	7' - O''	5' - 6"	FBGL	BLACK		.28	2' - 6"	8' - 0"
Н	1	FIXED	3' - 6"	5' - 0"	FBGL	BLACK		.28	2' - 6"	7' - 6"
J	2	FIXED	3' - 8"	5' - 0"	FBGL	BLACK		.28	2' - 6"	7' - 6"
L	1	SLIDER	7' - 0"	4' - 6"	FBGL	BLACK		.28	3' - 6"	8' - 0"
М	8	SLIDER	1' - 9"	2' - 0"	FBGL	BLACK		.28	6' - 0"	8' - 0"
Ν	1	SLIDER	3' - 6"	2' - 0"	FBGL	BLACK		.28	5' - 5 1/2"	7' - 5 1/2"
Р	1	AWNING	1' - 9"	2' - 0"	FBGL	BLACK		.28	5' - 5 1/2"	7' - 5 1/2"
R	1	CASEMENT	3' - 0"	3' - 0"	FBGL	BLACK		.28	5' - 0"	8' - 0"
S	4	FIXED	5' - 0"	7' - 0"	FBGL	BLACK		.28	1' - O''	8' - 0"
kylights				I	1 1					
EVEL 2										
AA	4	SKYLIGHT	2' - 4"	6' - 0"	FBGL	BLACK		.50		

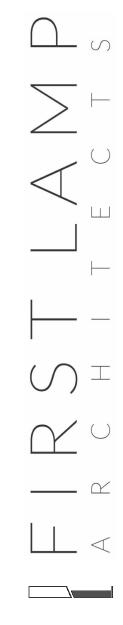
WINDOW NOTES:

1. PLEASE REFER TO ELEVATIONS ON SHEET A3.0 & A3.1 FOR OPERATION, MULLING, SAFETY GLAZING, AND SIMULATED DIVIDED LITES. 2. ALL WINDOWS IN PLANE WITH ADJACENT DOORS OR WINDOWS ARE INTENDED TO HAVE THE HEADERS ALIGNED; UON. PLEASE NOTIFY ARCHITECT IF THERE IS A DISCREPENCY IN HEADER HEIGHTS OR ALIGNMENTS. 3. EGRESS WINDOWS BELOW 36" A.F.F. ARE REQUIRED TO BE PROVIDED WITH OPENING CONTROL DEVICES COMPLYING WITH IBC 1013.8.1.

(EXCEPTION 4)

4. SKYLIGHTS 'AA' ARE OVER 12 FEET ABOVE WALKING SURFACE AND REQUIRE LAMINATED GLASS WITH NOT LESS THAN A 0.030 INCH POLYVINYL BUTYRAL INTERLAYER PER IRC R308.6

WINDOW SCHEDULE



206.414.9884 4915 RAINIER AVE S, STE 202 SEATTLE, WA 98118 INFO@FIRSTLAMP.NET





MUNICIPAL APPROVAL STAMPS

SDCI PROJ. # XXXXXXX CD || FL 2302 4 OCT 2023

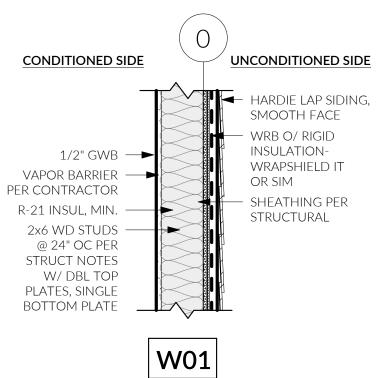
REVISIONS NO. DESCRIPTION Corrections #1 10/4/23

DATE

D. F. GONZALEZ

DRAWN BY:

WINDOW & DOOR SCH, ENERGY & MECH CODE NOTES, ASSEMBLIES G 1.1



EXTERIOR WALL /W HARDIE PLANK, SMOOTH FACE MITER ALL OUTSIDE CORNERS OF HORZ. SIDING

LEGAL DESCRIPTION

(PER STATUTORY WARRANTY DEED RECORDING# 20190815000691) LOT 9, BLOCK 1, MADRONA CREST ADDITION, ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 42 OF PLATS, PAGES 12, IN

KING COUNTY, WASHINGTON.

SITUATED IN THE COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARINGS

HELD BEARING OF S 89°56'52" E ALONG THE CENTERLINE OF SE 37TH ST. AS SHOWN HEREON AND PER THE SAYAH SHORT PLAT, MERCER ISLAND FILE NO. SUB.04-001, PER KING COUNTY RECORDING NO. 20050517900024 (REF. 1) AND PER R2.

REFERENCES

- RECORD OF SURVEY VOL 187 PG 13 RECORDING #
- 20050517900024 2. PARK RIDGE LANE, PER PLAT THEREOF RECORDED IN VOL. 94 OF PLATS, PG. 1, IN KING COUNTY WASHINGTON

VERTICAL DATUM

NAVD88 PER WGS SURVEY DATA WAREHOUSE POINT DESIGNATION 509 CONCRETE MONUMENT IN CASE AT INT 84TH AVE. S.E. AND S.E. 36TH ST. ELEV.=279.17

SURVEYOR'S NOTES

- 1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN JANUARY OF 2023. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.
- 2. ALL MONUMENTS SHOWN HEREON WERE LOCATED DURING THE COURSE OF THIS SURVEY UNLESS OTHERWISE NOTED.
- 3. THE TYPES AND LOCATIONS OF ANY UTILITIES SHOWN ON THIS DRAWING ARE BASED ON INFORMATION PROVIDED TO US, BY OTHERS OR GENERAL INFORMATION READILY AVAILABLE IN THE PUBLIC DOMAIN INCLUDING, AS APPLICABLE, IDENTIFYING MARKINGS PLACED BY UTILITY LOCATE SERVICES AND OBSERVED BY TERRANE IN THE FIELD. AS SUCH, THE UTILITY INFORMATION SHOWN ON THESE DRAWINGS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHOULD NOT BE RELIED ON FOR DESIGN OR CONSTRUCTION PURPOSES; TERRANE IS NOT RESPONSIBLE OR LIABLE FOR THE ACCURACY OR COMPLETENESS OF THIS UTILITY INFORMATION. FOR THE ACCURATE LOCATION AND TYPE OF UTILITIES NECESSARY FOR DESIGN AND CONSTRUCTION, PLEASE CONTACT THE SITE OWNER AND THE LOCAL UTILITY LOCATE SERVICE (800-424-5555).
- 4. SUBJECT PROPERTY TAX PARCEL NO. 5021900045
- 5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 10,158 S.F. (0.23 ACRES)
- 5. THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST THAT ARE NOT SHOWN HEREON.
- 7. EXISTING STRUCTURE(S) LOCATION AND DIMENSIONS ARE MEASURED FROM THE FACE OF THE SIDING UNLESS OTHERWISE NOTED.
- 8. FIELD DATA FOR THIS SURVEY WAS OBTAINED BY DIRECT FIELD MEASUREMENTS WITH A CALIBRATED ELECTRONIC 5-SECOND TOTAL STATION AND/OR SURVEY GRADE GPS OBSERVATIONS. ALL ANGULAR AND LINEAR RELATIONSHIPS ARE ACCURATE AND MEET THE STANDARDS SET BY WAC 332-130-090.



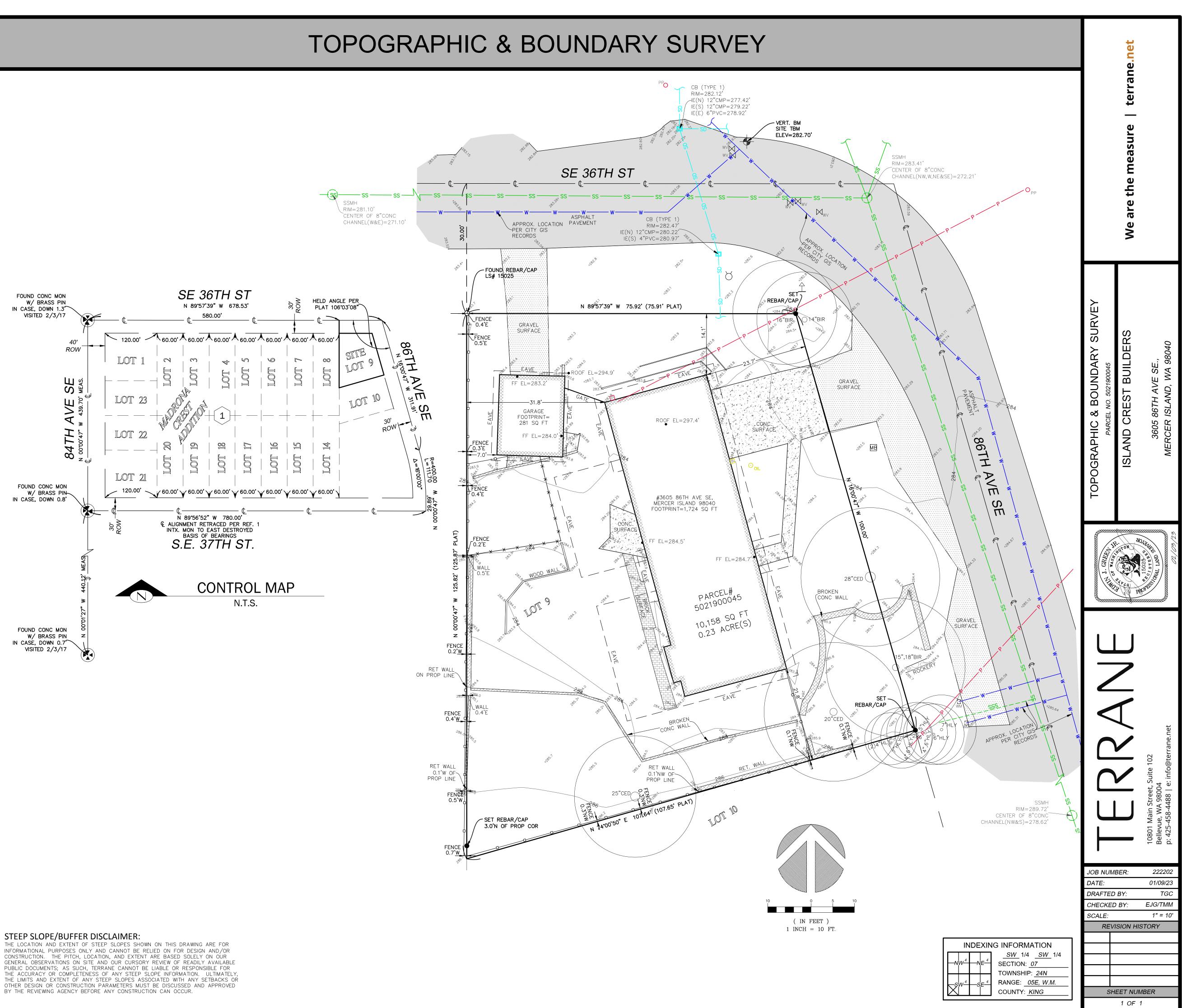
SE 39th St

Mary Wayte Poo

SE 40th St.

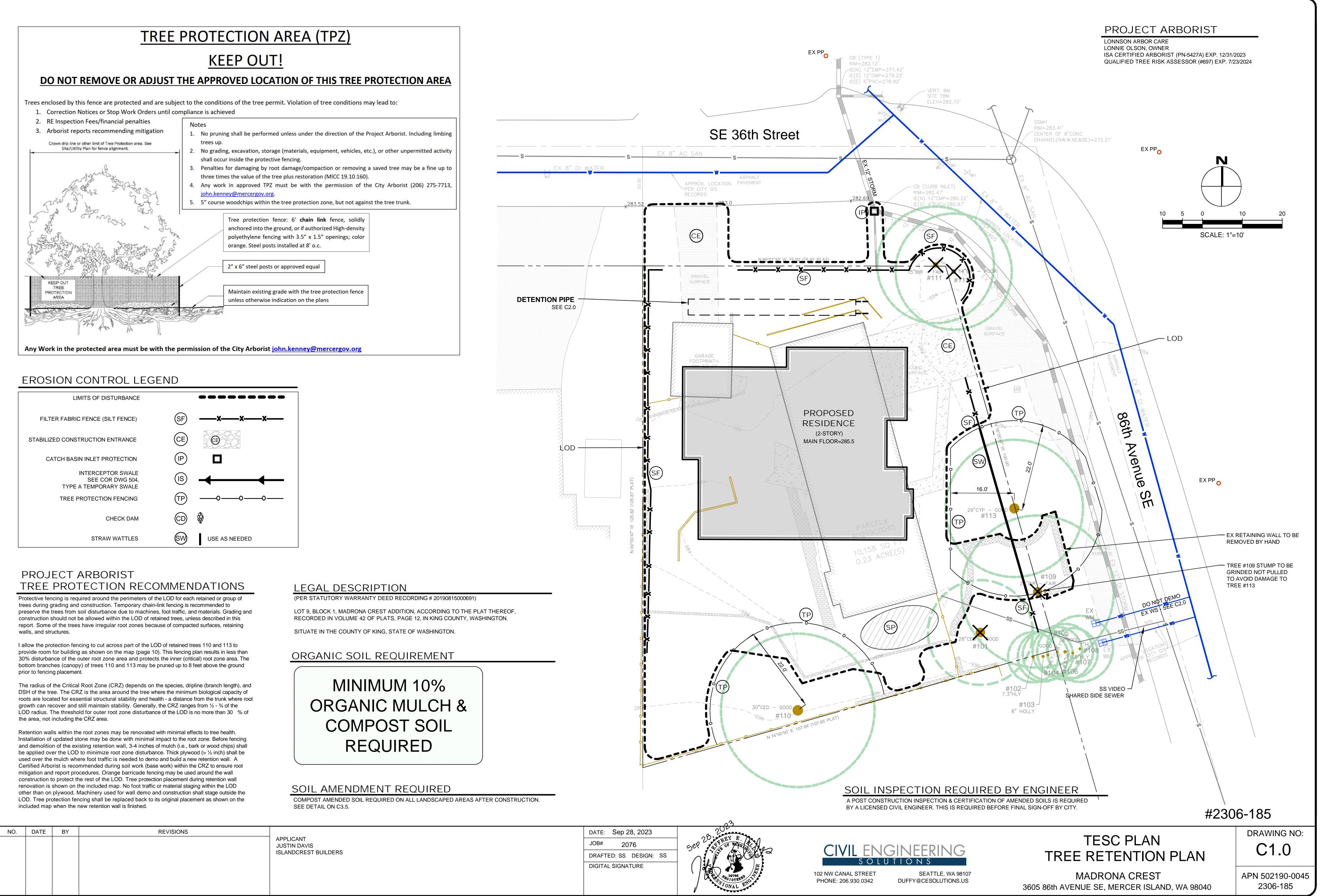
≥ SE 39th St

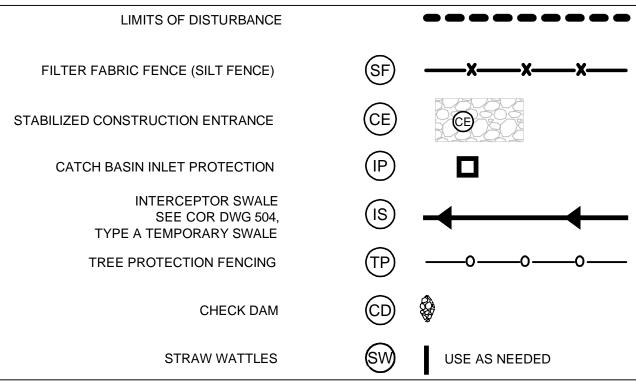
SE 40th St



STEEP SLOPE/BUFFER DISCLAIMER:

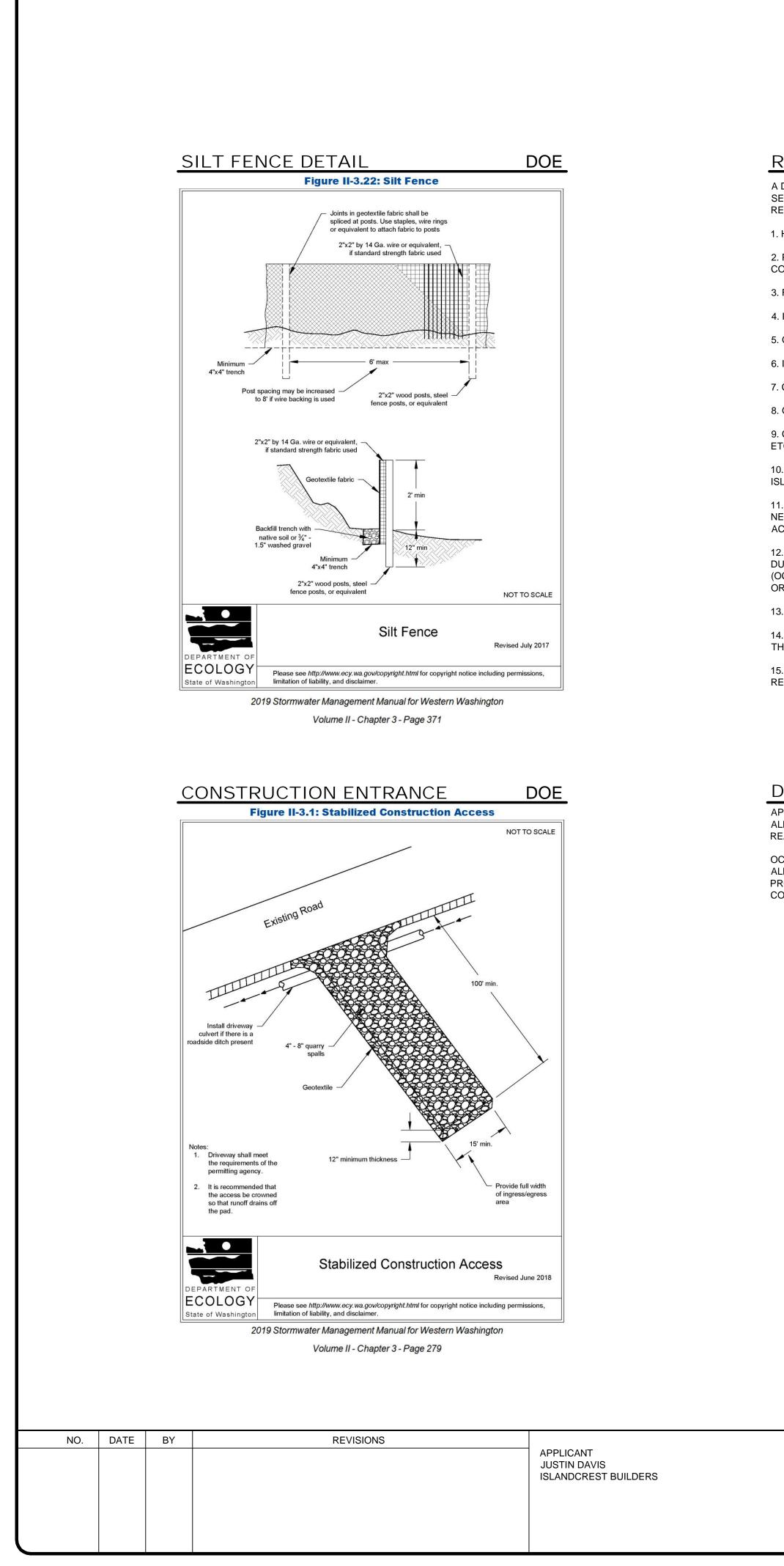






NO.	DATE	BY	REVISIONS	
				APPLICANT JUSTIN DAVIS ISLANDCREST BUILDERS





RECOMMENDED CONSTRUCTION SEQUENCE

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:

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.

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.

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

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.

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 I 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 CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SI AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILIT 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 APPLICAN 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 DUR

OF CONSTRUCTION.
4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNI CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIO MEASURES, SUCH AS CONSTRUCTED WHEEL WASH SYSTEMS OR WASH PADS, MA REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN AND TRACK OUT

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

ROAD RIGHT OF WAY DOES NOT OCCUR FOR THE DURATION OF THE PROJECT.

6. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS F ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESG FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS A MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL COVE MEASURES, ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCE 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 W NOT BE DISTURBED FOR TWO CONSECUTIVE DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).

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

10. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINE MINIMUM OF ONCE A MONTH DURING THE DRY SEASON, BI-MONTHLY DURING THE 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 LINE SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLU 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 FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY I 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 T SURFACE WATER DESIGN MANUAL

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

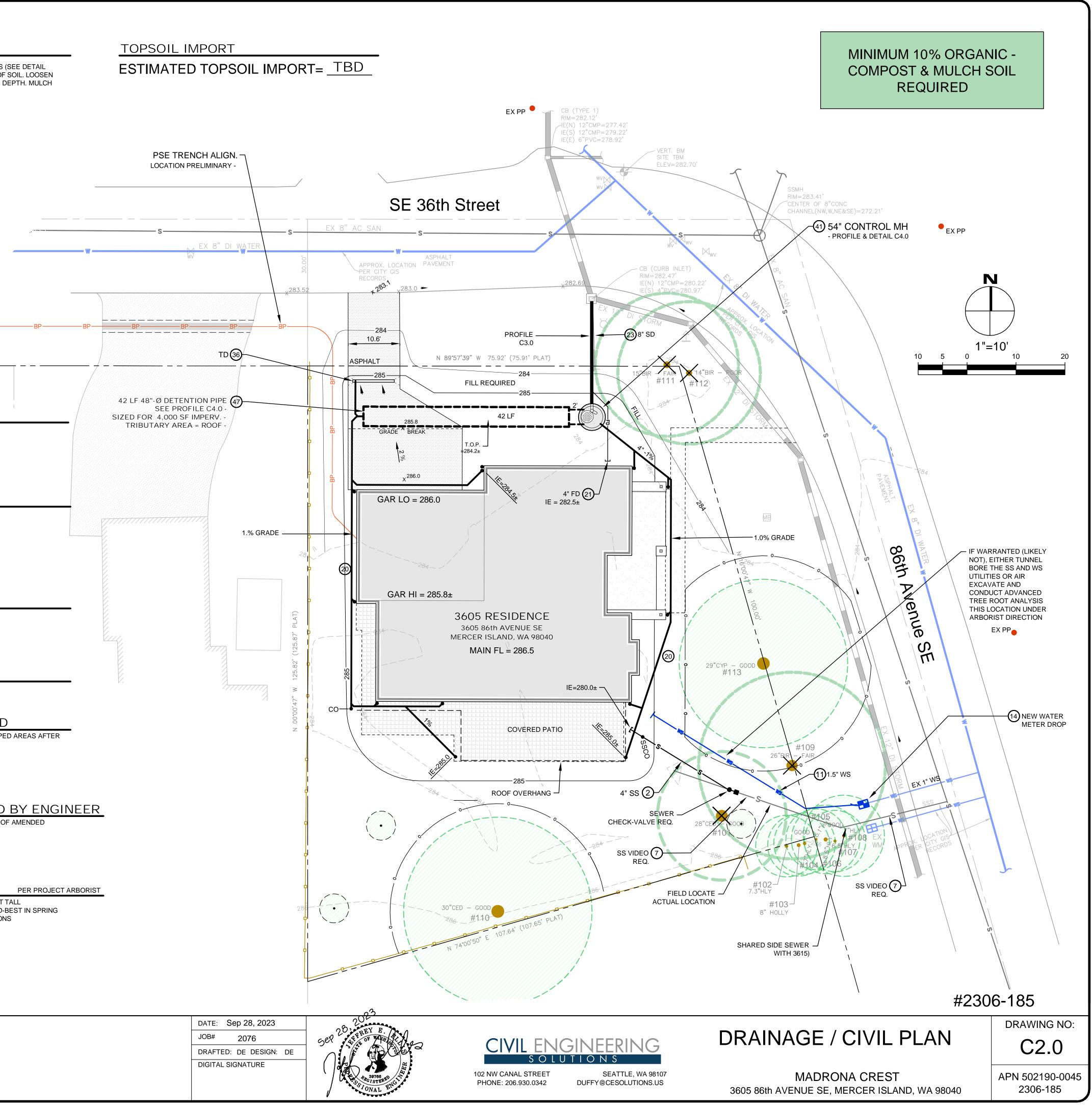
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DATE: Sep 22, 2023	205		
JOB# 2076 DRAFTED: SS DESIGN: DE	Ser 2 AN		GINEERING
DIGITAL SIGNATURE	PAGISTERED IN CONAL ENGL	102 NW CANAL STREET PHONE: 206.930.0342	SEATTLE, WA 98107 DUFFY@CESOLUTIONS.US

	1.	ANY CHANGES TO THE APPROVED PLANS REQUIRES CITY APPROVAL THROU	JGH
	2.	A REVISION. APPLICANT IS RESPONSIBLE FOR ANY DAMAGES TO UNDERGROUND UTILITIE CAUSED FROM THIS CONSTRUCTION.	ES
ЭТ	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 MANUFACTURE FOR USE AT CONSTRUCTION SITES AND APPROVED BY THE CITY INSPECTOR CATCH BASIN FILTERS SHOULD BE INSPECTED FREQUENTLY, ESPECIALLY AI STORM EVENTS. IF THE FILTER BECOMES CLOGGED, IT SHOULD BE CLEANED REPLACED.	R. FTER
SC	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:	
OF _ BE D	8.	PROTECT ADJACENT PROPERTIES FROM ANY INCREASED RUNOFF OR SEDIMENTATION DUE TO THE CONSTRUCTION PROJECT THROUGH THE USE APPROPRIATE "BEST MANAGEMENT PRACTICES" (BMP) EXAMPLES INCLUDE, ARE NOT LIMITED TO, SEDIMENT TRAPS, SEDIMENT PONDS, FILTER FABRIC	
IN	9.	FENCES, VEGETATIVE BUFFER STRIPS OR BIOENGINEERED SWALES. 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.	
R)	10.	PREVENT SEDIMENT, CONSTRUCTION DEBRIS, PAINTS, SOLVENTS, ETC., OR OTHER TYPES OF POLLUTION FROM ENTERING PUBLIC STORM DRAINS. KEEI POLLUTION ON YOUR SITE.	
	11.		
E	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 AI ENCROACHMENT AGREEMENT AND RIGHT OF WAY PERMIT FROM THE SENIO DEVELOPMENT ENGINEER.	
N ET	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 MINIMI DRAINAGE IMPROVEMENTS SHOWN OR CALLED OUT ON THIS PLAN DOES NO IMPLY RELIEF FROM CIVIL LIABILITY FOR YOUR DOWNSTREAM DRAINAGE.	MUM
1	14.	POT HOLING THE PUBLIC UTILITIES IS REQUIRED PRIOR TO ANY GRADING ACTIVITIES LESS THAN 6" OVER THE PUBLIC MAINS (WATER, SEWER AND STO SYSTEMS). IF THERE IS A CONFLICT, THE APPLICANT IS REQUIRED TO SUBMI REVISION FOR APPROVAL PRIOR TO ANY GRADING ACTIVITIES OVER THE PU MAINS.	ТА
то	15.	REMEMBER: EROSION CONTROL IS YOUR FIRST INSPECTION.	
ST	16.	ROOF DRAINS MUST BE CONNECTED TO THE STORM DRAIN SYSTEM AND INSPECTED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY BACKFILLIN PIPE.	NG OF
	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.	,
R	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 MAI REQUIRED. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, T REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED. ALTERNATELY, PRESSURE TEST OF THE SIDE SEWER, FROM SEWER MAIN TO POINT OF CONNECTION, MAY BE SUBSTITUTED FOR THE VIDEO INSPECTION.	ſHE
	20.	NEWLY INSTALLED SIDE SEWER REQUIRES A 4 P.S.I. AIR TEST OR PROVIDE 1 HYDROSTATIC HEAD TEST.	0' OF
	21.	POT HOLING THE PUBLIC UTILITIES IS REQUIRED PRIOR TO ANY GRADING ACTIVITIES LESS THAN 6" OVER THE PUBLIC MAINS (WATER, SEWER AND STO SYSTEMS). IF THERE IS A CONFLICT, THE APPLICANT IS REQUIRED TO SUBMI REVISION FOR APPROVAL PRIOR TO ANY GRADING ACTIVITIES OVER THE PU MAINS.	ТА
	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.	
		#230	6-185
			DRAWING NO:
NG		TESC & CITY NOTES TESC DETAILS	C1.2
E, WA 98107		MADRONA CREST	APN 502190-004

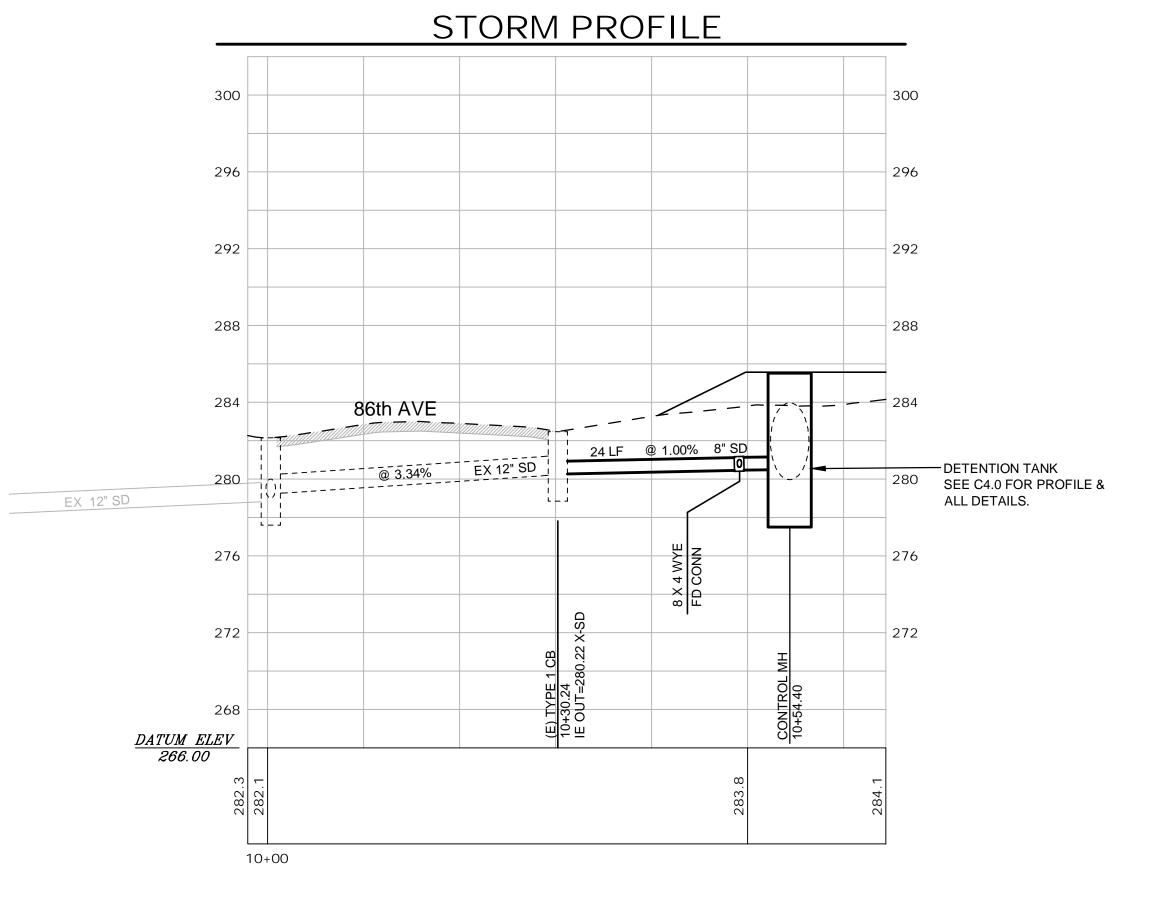
3605 86th AVENUE SE, MERCER ISLAND, WA 98040

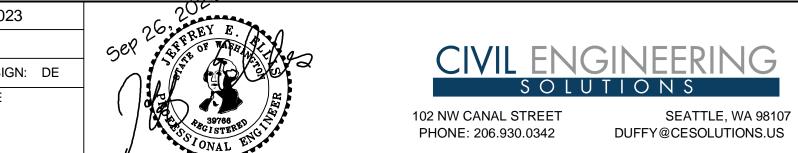
2306-185

\sim	STORM BMP's
(1) -	50 -COMPOST AMENDED SOIL TO ALL DISTURBED AREAS (S SHEET C3.5). TILL 2-3" OF COMPOST INTO UPPER 8" OF S
2 -6" SDR 35 PVC SANITARY SEWER(SS) @ MIN 1.0 %.	COMPACTED SUBSOIL, IF NEEDED BY RIPPING TO 12" DE LANDSCAPE BEDS AFTER PLANTING.
3 -	(51) -
4 -	(51) - (52) -
O -LOCATE AND VIDEO CONDITION OF EXISTING SANITARY SIDE SEWER. REPLACE LINE IF FOUND DEFECTIVE AS DETERMINED BY	
CITY INSPECTOR.	(53) -
WATER IMPROVEMENTS	
EX WS UPGRADED IN 2016 AND SHALL BE MAINTAINED - DO NOT DEMO	54 -
10 -	55 -
1.5" 250 PSI PRIVATE HDPE WATER (ASTM D2239) FROM METER TO	56 -
HOUSE. RECOMMENDED DEPTH=36". COORDINATE HOUSE ENTRY WITH BUILDER/OWNER.	(57) -
12 -	
	(58) -
(14) -NEW 1" METER DROP AT EXISTING LOCATION	
STORM DRAIN PIPE KEY NOTES	EX PP
-4" STORM DRAIN (3034 PVC) @ MIN 1 % GRADE	
2) -4" FOUNDATION DRAIN (3034 PVC) @ MIN 1 % GRADE	
22 -6" STORM DRAIN (3034 PVC) @ MIN 2 % GRADE	
-8" STORM DRAIN. (SDR 35 PVC OR EQUAL). SEE PROFILE FOR	
GRADE	
	SOILS
25 -	SEE MAY 2023 REPORT BY RILEY GROUP SMALL-SCALE PIT TEST PERFORMED MEASURED INFILTRATION RATE = 1.56 IN/HR
-	DESIGN INFILTRATION RATE = 0.42 IN /HR
	SURVEYOR TOPOGRAPHIC SURVEY BY:
	TERRANE 10801 MAIN STREET, SUITE 102
STORM STRUCTURE KEY NOTES	BELLEVUE, WA 98004 PHONE 425-458-4488
30 -TYPE 1 CB WITH STANDARD GRATE. MAX 5' RIM TO FL DEPTH.	info@terrane.net
<u>(3)</u> -	
(32) -	VERTICAL DATUM
<u>3</u> 3 -	POINT DESIGNATION 509 SEE SURVEY
34 -	
35 -PRIVATE 18" YARD DRAIN (OR EQUAL)	
6" WIDE NDS DURASLOPE CHANNEL DRAIN KIT OR EQUAL. CLASS B	LEGAL DESCRIPTION
VEHICLE RATED GRATE.	SEE C1.0
(36A) -	
 PRIVATE STORM CLEANOUT. PROVIDE PROTECTIVE COVER IF WARRANTED. 	SOIL AMENDMENT REQUIRED
37 - PRIVATE STORM CLEANOUT. PROVIDE PROTECTIVE COVER IF	SOIL AMENDMENT REQUIRED COMPOST AMENDED SOIL REQUIRED ON ALL LANDSCAPED CONSTRUCTION. SEE DETAIL ON C3.5.
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 37 -PRIVATE STORM CLEANOUT. PROVIDE PROTECTIVE COVER IF WARRANTED. 39 - 40 - 41 -54" ID TYPE 2 MH CONTROL STRUCTURE WITH SOLID LID. SEE ALL 	COMPOST AMENDED SOIL REQUIRED ON ALL LANDSCAPED
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NO.	DATE	BY	 REVISIO	NS	
					APPLICANT JUSTIN DAVIS ISLANDCREST BUILDERS





DATE: Sep 26, 2023 JOB# 2076

DRAFTED: DE DESIGN: DE DIGITAL SIGNATURE

STORM PROFILE

MADRONA CREST

3605 86th AVENUE SE, MERCER ISLAND, WA 98040

DRAWING NO:

C3.0

APN 502190-0045

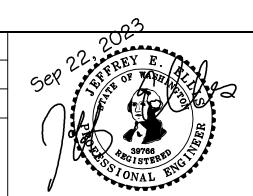
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NO.	DATE	BY	REVISIONS	APPLICANT JUSTIN DAVIS ISLANDCREST BUILDERS

DATE: Sep 22, 2023 JOB# 2076

DRAFTED: SS DESIGN: SS DIGITAL SIGNATURE





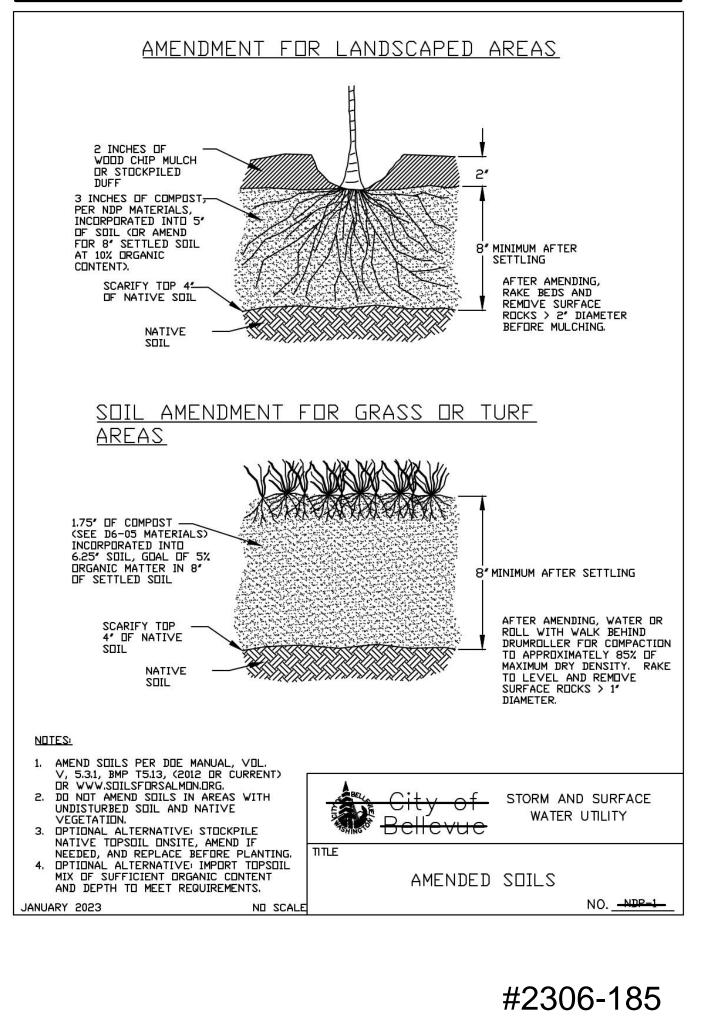
MINIMUM 10% ORGANIC -COMPOST SOIL REQUIRED

SOIL AMENDMENT REQUIRED

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





BMP DETAILS MADRONA CREST 3605 86th AVENUE SE, MERCER ISLAND, WA 98040

APN 502190-0045 2306-185

DRAWING NO:

C3.5

New and Replaced		Detention Pipe Length (ft)		Lowest Orifice Diameter (in) ⁽³⁾		and the second second second second second	Outlet Invert Orifice (ft)	Second Orifice Diameter (in)	
Impervious Surface Area (sf)	Detention Pipe Diameter (in)	B soils	C soils	Besils	C soils	Bassels	C soils	Basils	C soils
	36"	30	22	0.5	0.5	2.2	2.0	0.5	0.8
500 to 1,000 sf	48"	18	11	0.5	0.5	3.3	3.2	0.9	0.8
	60"	11	7	0.5	0.5	4.2	3.4	0.5	0.6
	36"	66	43	0.5	0.5	2.2	2.3	0.9	1.4
1,001 to 2,000 sf	48"	34	23	0.5	0.5	3.2	3.3	0.9	1.2
1,001 to 2,000 si	60"	22	14	0.5	0.5	4.3	3.6	0.9	0.9
	36"	90	66	0.5	0.5	2.2	2.4	0.9	1.9
2,001 to 3,000 sf	48"	48	36	0.5	0.5	3.1	2.8	0.9	1.5
	60"	30	20	0.5	0.5	4.2	3.7	0.9	1.1
	36"	120	78	0.5	0.5	2.4	2.2	1.4	1.6
(3,001 to 4,000 sf)	(48")	62	(42)	0.5	(0.5)	2.8	(2.9)	0.8	(1.3)
	60"	42	26	0.5	0.5	3.8	3.9	0.9	1.3
	36"	134	91	0.5	0.5	2.8	2.2	1.7	1.5
4,001 to 5,000 sf	48"	73	49	0.5	0.5	3.6	2.9	1.6	1.5
	60"	46	31	0.5	0.5	4.6	3.5	1.6	1.3
	36"	162	109	0.5	0.5	2.7	2.2	1.8	1.6
5,001 to 6,000 sf	48"	90	59	0.5	0.5	3.5	2.9	1.7	1.5
	60"	54	37	0.5	0.5	4.6	3.6	1.6	1.4
	36"	192	128	0.5	0.5	2.7	2.2	1.9	1.8
6,001 to 7,000 sf	48"	102	68	0.5	0.5	3.7	2.9	1.9	1.6
	60"	64	43	0.5	0.5	4.6	3.6	1.8	1.5
	36"	216	146	0.5	0.5	2.8	2.2	2.0	1.9
7,001 to 8,000 sf	48"	119	79	0.5	0.5	3.8	2.9	2.2	1.7
	60"	73	49	0.5	0.5	4.5	3.6	2.0	1.6
	36"	228	155	0.5	0.5	2.8	2.2	2.1	1.9
8,001 to 8,500 sf ⁽¹⁾	48"	124	84	0.5	0.5	3.7	2.9	1.9	1.8
	60"	77	53	0.5	0.5	4.6	3.6	2.0	1.6
	36"	NA (1)	164	0.5	0.5	NA ⁽¹⁾	2.2	NA (1)	1.9
8,501 to 9,000 sf	48"	NA (1)	89	0.5	0.5	NA (1)	2.9	NA (1)	1.9
-,	60"	NA ⁽¹⁾	55	0.5	0.5	NA ⁽¹⁾	3.6	NA (1)	1.7
	36"	NA (1)	174	0.5	0.5	NA ⁽¹⁾	2.2	NA (1)	2.1
9,001 to 9,500 sf ⁽²⁾	48"	NA (1)	94	<mark>0.5</mark>	0.5	NA (1)	2.9	NA (1)	2.0
	60"	NA (1)	58	0.5	0.5	NA (1)	3.7	NA (1)	1.7

 Soil type to be determined by geotechnical analysis or soil map. Sizing includes a Volume Correction Factor of 120%. Upper bound contributing area used for sizing. ⁽¹⁾ On Type B soils, new plus replaced impervious surface areas exceeding 8,500 sf trigger Minimum Requirement #7 (Flow Control)

⁽²⁾ On Type C soils, new plus replaced impervious surface areas exceeding 9,500 sf trigger Minimum Requirement #7 (Flow Control) ⁽³⁾ Minimum orifice diameter = 0.5 inches

in = inch ft = feet sf = square feet

Impervious Area Spreadsheet - Storm	nwater	Version
Madrona Crest - 3605 86th Avenue SE, Mercer Is	land, WA	98040
Gross Site area	10,158	sf
	0.233	acres
Existing Impervious Area		
Existing to be demo-ed	3,829	sf
Existing to remain	0	sf
total existing =	3,829	sf
Proposed Impervious Area (on-site) (new + replaced)	()	/
Roof	3,411	sf
Exposed driveway, on-site	380	sf
Exposed back patio	119	sf
Front walkway, exposed	117	sf
total on-site (new + replaced) proposed =	4,027	sf
total on-site replaced =	3,829	sf
total on-site new =	198	sf
total new + replaced impervious =	4,027	sf
total existing to remain =	0	sf
total proposed lawn/landscape =	6,131	sf

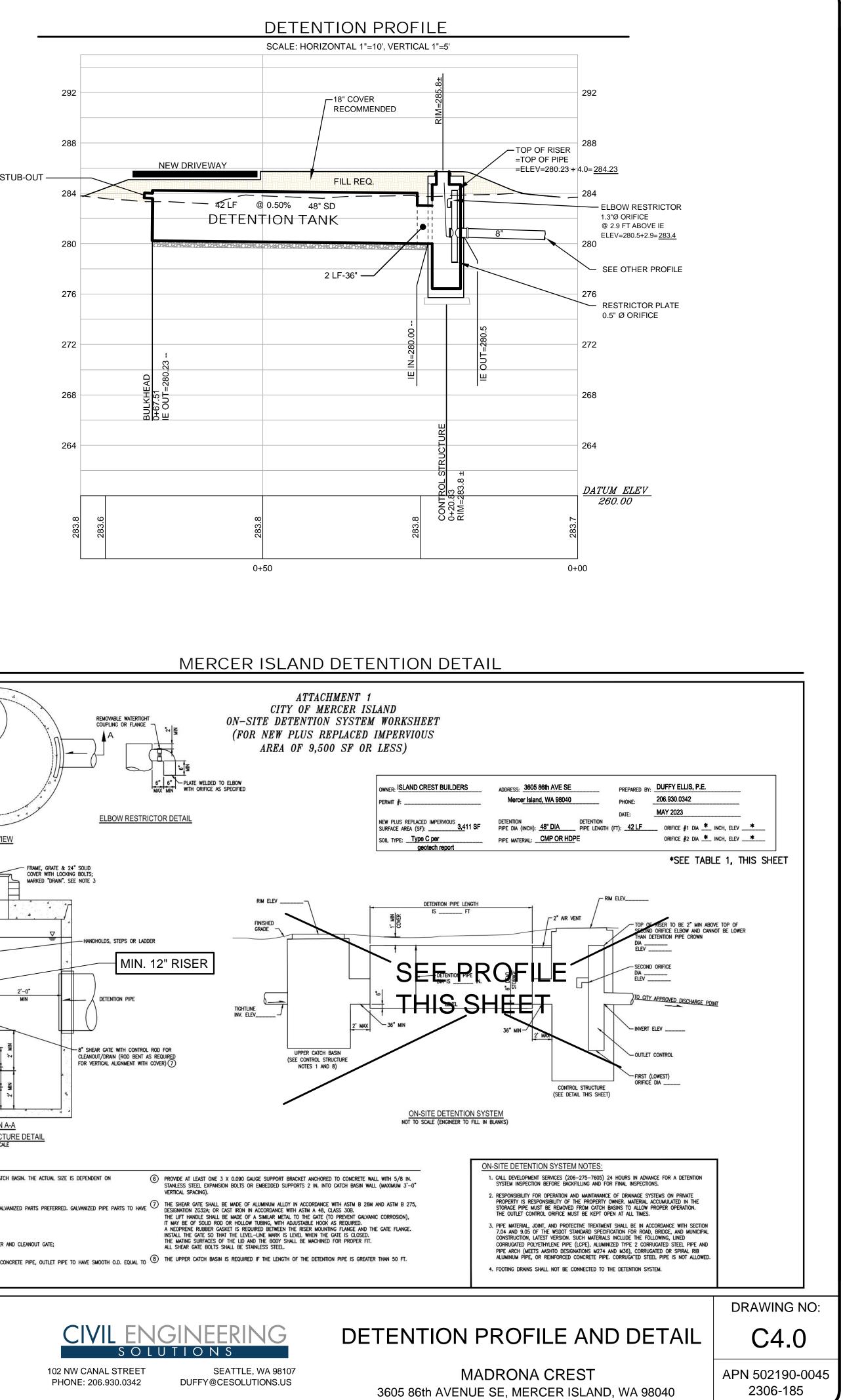
NO.	DATE	BY	REVISIONS	
				APPLICANT JUSTIN DAVIS ISLANDCREST BUILDERS

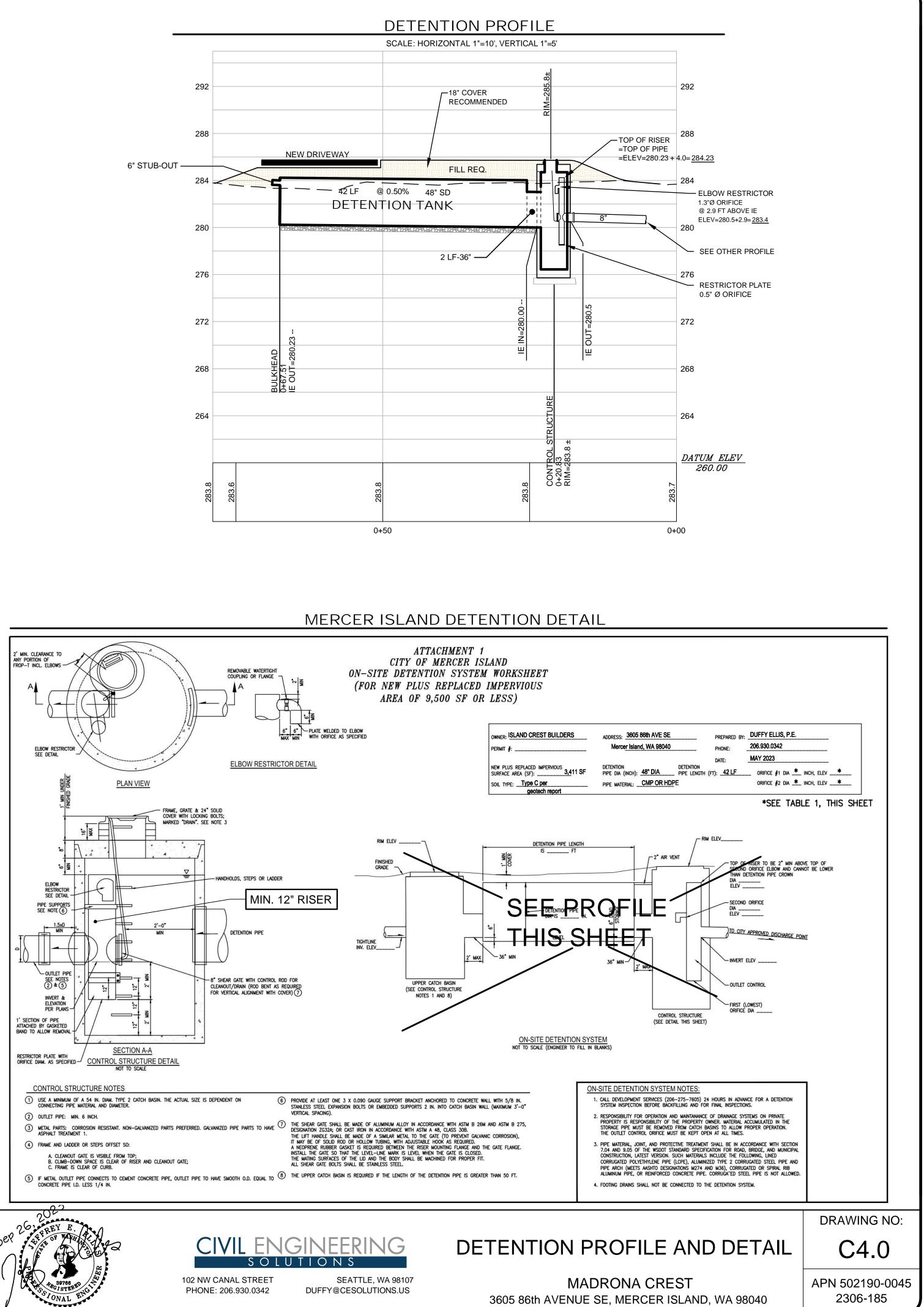
MERCER ISLAND DETENTION "TABLE 1" Table 1

• Minimum Requirement #7 (Flow Control) is required when the 100-year flow frequency causes a 0.15 cubic feet per second increase (when modeled in WWHM with a 15-minute timestep). Breakpoints shown in this table are based on a flat slope (0-5%). The 100-year flow frequency will need to be evaluated on a site-specific basis for projects on moderate (5-15%) or steep (> 15%) slopes.

Basis of Sizing Assumptions: Sized per MR#5 in the Stormwater Management Manual for Puget Sound Basin (1992 Ecology Manual) SBUH, Type 1A, 24-hour hydrograph 2-year, 24-hour storm = 2 in; 10-year, 24-hour storm = 3 in; 100-year, 24-hour storm = 4 in Predeveloped = second growth forest (CN = 72 for Type B soils, CN = 81 for Type C soils) Developed = impervious (CN = 98) 0.5 foot of sediment storage in detention pipe Overland slope = 5%

IMPERVIOUS TABLE - STORMWATER





DATE: Sep 26, 2023 JOB# 2076 DRAFTED: SS DESIGN: SS DIGITAL SIGNATURE





PROPERTY INFORMATION

PARCEL #

PROJECT # 2306-185

502190-0045 ADDRESS 3605 86TH AVE SE, MERCER ISLAND, WA, 98040 OWNER

ISLAND CREST BUILDERS

LEGAL DESCRIPTION

LOT 9 BLOCK 1 MADRONA CREST ADDITION, AS PER PLAT RECORDED IN VOLUME 42 OF PLATS, PAGE

12, RECORDS OF KING COUNTY AUDITOR;

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

T SIZE		10,158 SF
LOWABLE LOT COVERAGE	0.4 X 10,158	= 4,063 SF
OPOSED LOT COVERAGE	FOOTPRINT EAVE OVERHANGS DRIVEWAY	2,445 SF 1,087 SF 380 SF
AL PROPOSED		3,912 SF

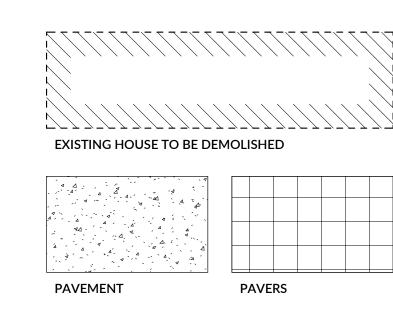
GENERAL BASE ZONE		R-8.4
LOT COVERAGE LOT SIZE LOT COVERAGE ALLOWED LOT COVERAGE PROPOSED	MICC 19.02.060.F.3 SEE DIAGRAM A1.0	10,158 SF 0.40 X 10,158 = 4,063 SF 3,912 SF / 10,158 SF = 38.51%
GROSS FLOOR AREA GROSS FLOOR AREA ALLOWED GROSS FLOOR AREA PROPOSED LEVEL 1 FLOOR AREA LEVEL 1 GARAGE FLOOR AREA LEVEL 2 FLOOR AREA	SEE DIAGRAM A2.0 SEE DIAGRAM A2.0 SEE DIAGRAM A2.1	0.40 X 10,158 = 4,063 SF 3,950.11 SF 1,744.71 + 166 = 1,910.71 SF 571.47 SF 1,467.94 SF
STRUCTURE HEIGHT MAXIMUM HEIGHT ALLOWED MAXIMUM HEIGHT PROPOSED	MICC 19.02.020.E.1 SEE ELEVATIONS + CALC	30'-0" S ON A1.1 29' - 9 15/16"
YARDS FRONT SIDE (SUM) REAR	MICC 19.02.020.C.1.a MICC 19.02.020.C.1.c MICC 19.02.020.C.1.b	20' - 0" (.17 * 103' - 5 3/4") = 17' - 7 1/16" 25' - 0"
REQUIRED OFF-STREET PARKING PARKING STALLS REQUIRED PARKING STALLS PROPOSED	MICC 19.02.020.G.2.a SEE SITE PLAN	3 3

REFER TO CIVIL DRAWINGS AND ARBORIST REPORT FOR TREE INFORMATION.

SITE PLAN LEGEND

PROPOSED BLDG FOOTPRINT

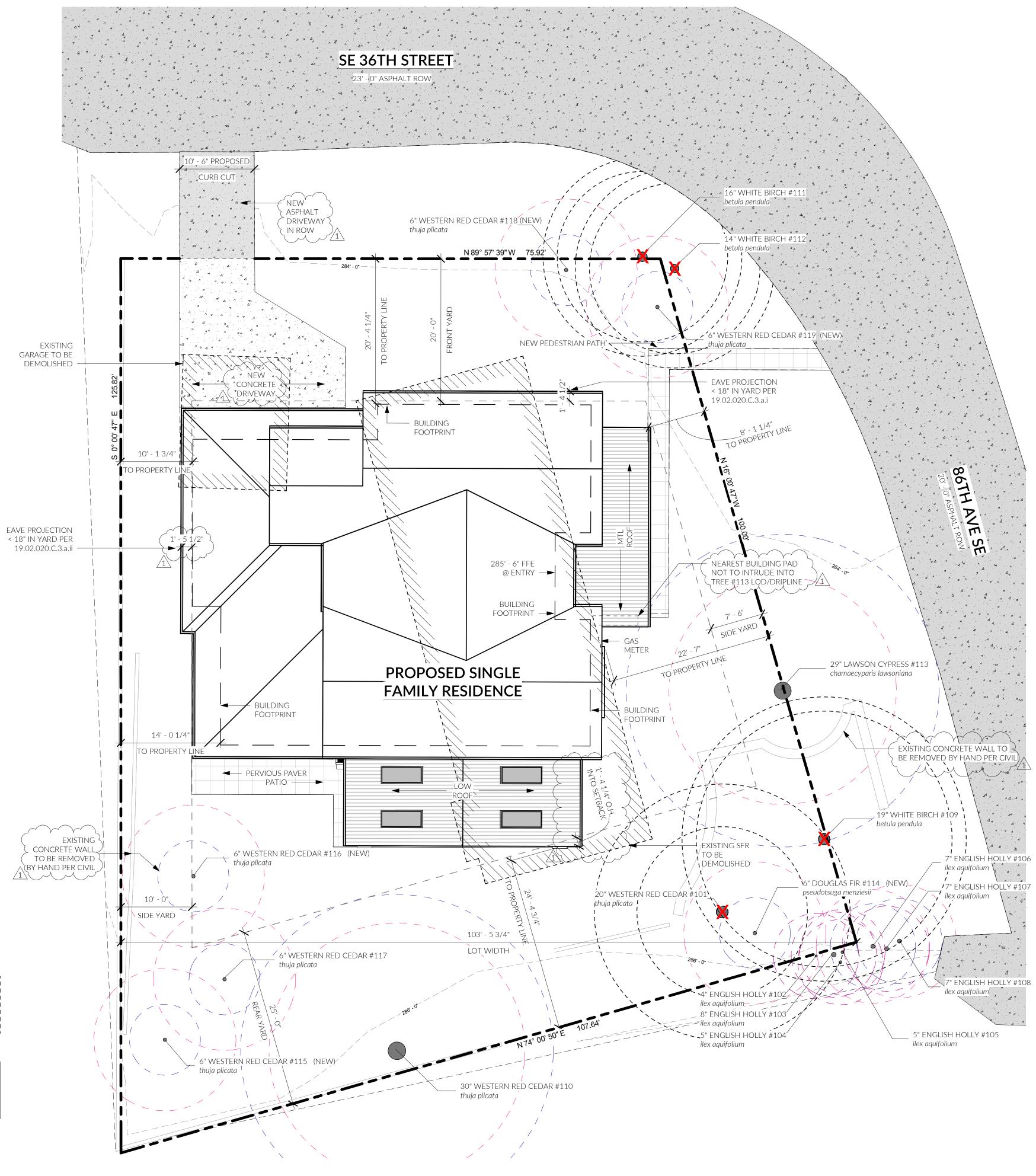
_ _ _ _ _ _ _ _ _ _ _



PROPOSED METAL CANOPY

_ _ _ _ SETBACKS

____ . . ____ . . ____ . . _ PROPERTY BOUNDARY



1 <u>A - SITE PLAN</u> 1/8" = 1'-0"





MUNICIPAL APPROVAL STAMPS

MI PROJ. # 2306-185 CD || FL 2302 4 OCT 2023

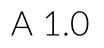
REVISIONS NO. DESCRIPTION Corrections #1 10/4/23

DATE

DRAWN BY: D. F. GONZALEZ

SITE PLAN





ZONING SUMMARY

GENERAL BASE ZONE

BASE ZONE		R-8.4
LOT COVERAGE LOT SIZE LOT COVERAGE ALLOWED LOT COVERAGE PROPOSED	MICC 19.02.060.F.3 SEE DIAGRAM A1.0	10,158 SF 0.40 X 10,158 = 4,063 SF 3,912 SF / 10,158 SF = 38.51%
GROSS FLOOR AREA GROSS FLOOR AREA ALLOWED GROSS FLOOR AREA PROPOSED LEVEL 1 FLOOR AREA LEVEL 1 GARAGE FLOOR AREA LEVEL 2 FLOOR AREA	SEE DIAGRAM A2.0 SEE DIAGRAM A2.0 SEE DIAGRAM A2.1	0.40 X 10,158 = 4,063 SF 3,950.11 SF 1,744.71 + 166 = 1,910.71 SF 571.47 SF 1,467.94 SF
STRUCTURE HEIGHT MAXIMUM HEIGHT ALLOWED MAXIMUM HEIGHT PROPOSED	MICC 19.02.020.E.1 SEE ELEVATIONS + CALCS	30'-0" 5 ON A1.1 29' - 9 15/16"
YARDS FRONT SIDE (SUM) REAR	MICC 19.02.020.C.1.a MICC 19.02.020.C.1.c MICC 19.02.020.C.1.b	20' - 0" (.17 * 103' - 5 3/4") = 17' - 7 1/16" 25' - 0"
REQUIRED OFF-STREET PARKING PARKING STALLS REQUIRED PARKING STALLS PROPOSED	MICC 19.02.020.G.2.a SEE SITE PLAN	3 3

NOXIOUS WEED NOTES

DEVELOPMENT PROPOSALS FOR A NEW SINGLE-FAMILY HOME SHALL REMOVE JAPANESE KNOTWEED (Polygonum cuspidatum) AND REGULATED CLASS A, REGULATED CLASS B, AND REGULATED CLASS C WEEDS IDENTIFIED ON THE KING COUNTY NOXIOUS WEED LIST, AS AMENDED, FROM REQUIRED LANDSCAPING AREAS ESTABLISHED PURSUANT TO SUBSECTION 19.02.020(F)(3)(a). NEW LANDSCAPING ASSOCIATED WITH NEW SINGLE-FAMILY HOMES SHALL NOT INCORPORATE ANY WEEDS IDENTIFIED ON THE KING COUNTY NOXIOUS WEED LIST, AS AMENDED. PROVIDED, THAT REMOVAL SHALL NOT BE REQUIRED IF THE REMOVAL WILL RESULT IN INCREASED SLOPE INSTABILITY OR RISK OF LANDSLIDE OR EROSION.

LOT COVERAGE CALCS LOT SIZE ALLOWABLE LOT COVERAGE PROPOSED LOT COVERAGE FOOTPRINT EAVE OVERHANGS DRIVEWAY TOTAL PROPOSED 3,912 / 10,158 = 38.51% < 40% (COMPLIANT) GROSS FLOOR AREA RATIO GROSS LOT AREA 0.40 X 10,158 SF = 4,063.20 SF ALLOWED GROSS FLOOR AREA NEW FLOOR AREA (SEE DIAGRAMS A 2.0/2.1) ' MAIN LEVEL CEILING OVER 16' - 0" IN HEIGHT GARAGE UPPER LEVEL TOTAL FLOOR AREA FLOOR AREA RATIO CALCULATION 4,061.00 / 10,158.00 = **39.97%**

HARDSCAPE COVERAGE

9% X 10,15
361.36 / 10,1
3.56% < 9%

GROSS LOT AREA MINIMUM REQUIRED LANDSCAPING AREA 0.60 X 10,158 SF = 6,094.80 SF 60% (MICC 19.02.020.F.3) LANDSCAPING AREAS I AWN: PLANTING/LANDSCAPING AREAS: TOTAL GREENSPACE AREA:

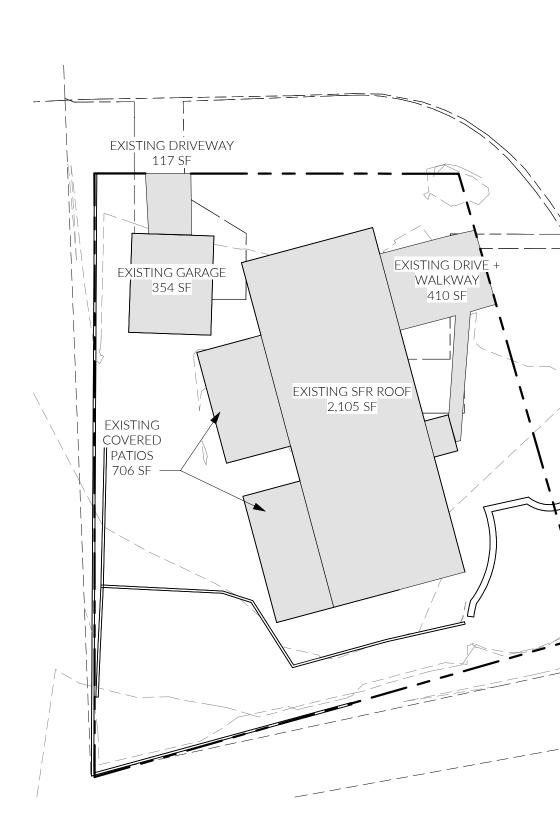
LOT SLOPE CALCULATIONS

HIGHEST ELEVATION POINT: LOWEST ELEVATION POINT:

ELEVATION DIFFERENCE: HORIZONTAL DIFFERENCE

LOT SLOPE:

(3' - 6 1/4") / (126' - 2 1/4") * 100 = 2.79%



PROJECT DATA

10,158 SF 0.4 X 10,158 = 4,063 SF 2,445 SF 1,087 SF 380 SF

3,912 SF

10,158 SF

1,755.68 SF 163.28 SF ⁻ 587.92 SF 1,554.12 SF 4,061.00 SF

39.97 < 40% (COMPLIANT)

10,158 SF <u>158 = 914.22 SF</u>

> 117.07 SF 120.59 SF 123.7 SF 361.36 SF

158.00 = **3.56%** % (COMPLIANT)

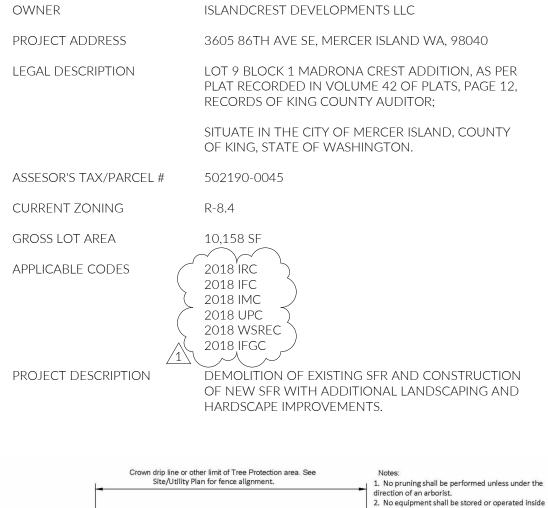
10,158 SF

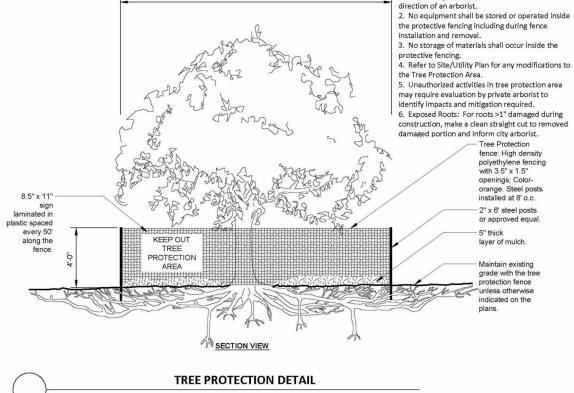
4,334.47 SF 1,867.01 SF

6,201.48, **61.05%** 61.05% > 60% (COMPLIANT)

286' - 8 1/8" 283' - 1 7/8" 3' - 6 1/4" 126' - 2 1/4"

 $\langle \rangle$





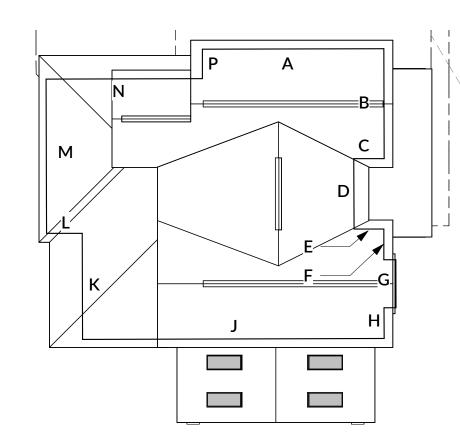
TREE PROTECTION NOTES

GENERAL

1.) FENCING MUST BE INSTALLED PRIOR TO DEMOLITION AND GROUND DISTURBANCE

2.) FENCING MUST BE KEPT IN PLACE FOR THE DURATION OF CONSTRUCTION.

3.) NO SOIL DISTURBANCE OR ACTIVITY ALLOWED WITHIN FENCED AREA, SUCH AS BUT NOT LIMITED TO : MATERIAL STORAGE / STOCKPILING, PARKING, DUMPING OR WASHING.



TOTAL =

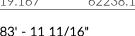
1 <u>D - AVG GRADE</u> 1/16" = 1'-0"

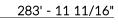
AVERAGE GRADE CALCS

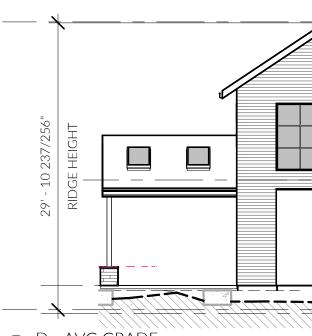
ELEVATION

	FT.	IN.	FRACTIONS	DECIMAL
А	283	11	0.940	283.995
В	284	0	0.000	284.000
С	284	0	0.000	284.000
D	284	0	0.000	284.000
E	284	0	0.000	284.000
F	284	0	0.000	284.000
G	284	0	0.000	284.000
Н	284	0	0.000	284.000
J	284	0	0.000	284.000
К	284	0	0.000	284.000
L	284	0	0.000	284.000
М	284	0	0.000	284.000
Ν	283	9	0.940	283.828
Ρ	283	10	0.500	283.875
				3975.698
				-

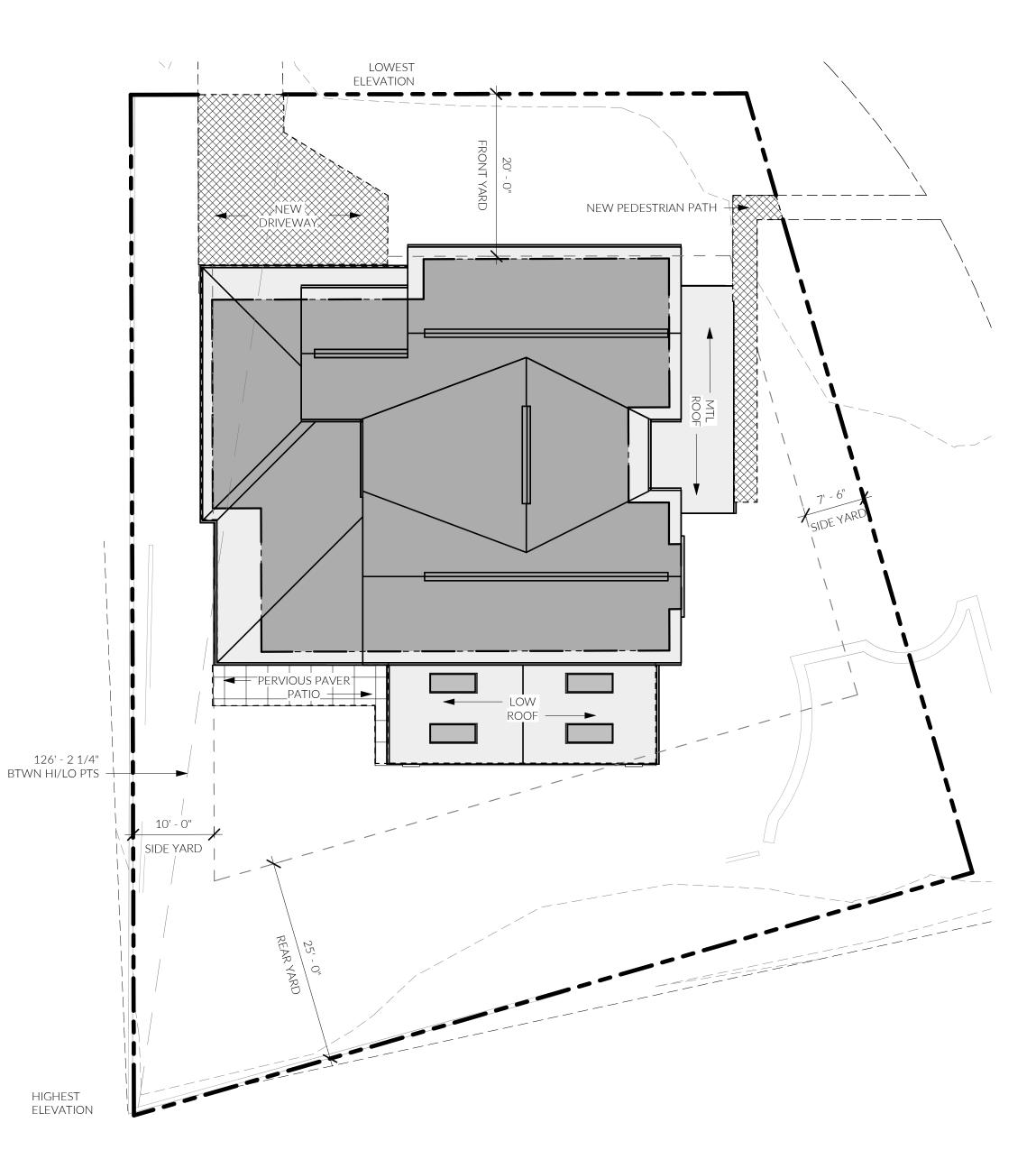
WALL LENGT	Ή
LENGTH	FACTOR
30.250 18.333 5.000 11.667 5.000 5.083 8.000 5.083 50.25 17.667 6.000 25.75 26.083 5.000	8590.842 5206.572 1420.000 3313.428 1420.000 1443.657 2272.000 1443.657 14271.00 5017.428 1704.000 7313.000 7403.174 1419.375
219.167	62238.13







3 <u>D - AVG GRADE</u> 1" = 10'-0"

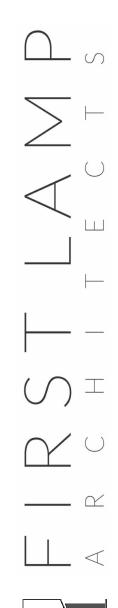


2 D - LOT COVERAGE/SLOPE 3/32" = 1'-0"



PROPOSED BUILDING FOOTPRINT

PROPOSED HARDSCAPE/LOT COVERAGE









MUNICIPAL APPROVAL STAMPS

SDCI PROJ. # XXXXXXX CD || FL 2302 4 OCT 2023

REVISIONS NO. DESCRIPTION Corrections #1 10/4/23

DATE

NORTH

PROPERTY BOUNDARY

SETBACKS

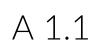
DRAWN BY: D. F. GONZALEZ

ZONING DIAGRAMS

MAX HEIGHT 🔽 🔒 313' - 11 11/16" LEVEL 2 🔻 297' - 6" LEVEL 1 🗸 286' - 6"

PROPOSED EAVE OUTLINE





EXCAVATION AND SITE PREPARATION NOTES

- 1. IT IS THE INTENT OF THE ARCHITECTURAL DRAWINGS TO COMPLY WITH ALL STANDARDS IN THE LOCAL GOVERNING AUTHORITY MUNICIPAL CODE DEVELOPMENT STANDARDS. PLEASE NOTIFY THE ARCHITECT IMMEDIATELY IF THERE IS A DISCREPANCY OR CONFLICT WITH COMPLIANCE IN THE DRAWINGS.
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REVIEW, PLAN, AND IMPLEMENT EXCAVATION AND SITE WORK BASED ON SITE CONDITIONS AND GEOTECHNICAL RECOMMENDATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY AND DETERMINE THE EXACT EXCAVATION NEEDED. NOTIFY ARCHITECT IMMEDIATELY IF DEVIATIONS IN THE DRAWINGS ARE REQUIRED OR HAVE OCCURRED. DEVIATIONS MAY REQUIRE ADDITIONAL REVIEW AND PERMITTING.
- 3. REFER TO STRUCTURAL GENERAL NOTES, PLANS, AND DETAILS FOR SIZING AND SPACING OF ALL FOOTINGS, STEM WALLS, AND STRUCTURAL REINFORCING
- 4. PLEASE REFER TO LOCAL GOVERNING AUTHORITY RECOMMENDATIONS FOR EXCAVATION, FILL, & SITE PREPARATION FOR FOUNDATIONS PRIOR TO BREAKING GROUND. ARCHITECT AND STRUCTURAL ENGINEER REQUIRED TO BE CONSULTED ON ANY DISCREPANCIES IN EXCAVATION AND SOIL INFORMATION. LOCAL GOVERNING AUTHORITY MAY BE REQUIRED TO BE PRESENT DURING EXCAVATION.
- 5. BOTTOM OF WALL CALLOUTS ARE ESTIMATES BASED OFF SURVEY TOPOGRAPHICAL DATA. THE CONTRACTOR AND EXCAVATOR ARE REQUIRED TO VERIFY FINAL EXCAVATION NEEDED AND FINAL FOOTING ELEVATIONS PER MEANS AND METHODS AND SOIL CONDITIONS. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER TO ANY CHANGES TO FOOTING ELEVATIONS BASED ON SOIL CONDITIONS.
- 6. ALL DIMENSIONS REFER TO FACE OF ROUGH FRAMING OR FACE OF CONCRETE UON. ALL DIMENSIONS ON THIS PLAN SHALL BE REFERENCED WITH ARCHITECTURAL AND STRUCTURAL PLANS. PLEASE CONTACT ARCHITECT IMMEDIATELY IF THERE ARE DISCREPANCIES.

ARCHITECTURAL FOUNDATION PLAN NOTES

- 1. REFER TO STRUCTURAL GENERAL NOTES, PLANS, AND DETAILS FOR SIZING AND SPACING OF ALL FOOTINGS, STEM WALLS, AND STRUCTURAL REINFORCING
- 2. ALL DIMENSIONS REFER TO FACE OF ROUGH FRAMING OR FACE OF CONCRETE UON. ALL DIMENSIONS ON THIS PLAN SHALL BE REFERENCED WITH ARCHITECTURAL AND STRUCTURAL PLANS. PLEASE CONTACT ARCHITECT IMMEDIATELY IF THERE ARE DISCREPANCIES.
- 3. IF PROJECT INCLUDES SLAB ON GRADE, USE 4" PERFORATED PIPE SPACED @ 15 FOOT INTERVALS UNDER THE SLAB TO PROVIDE ADDITIONAL UNDERSLAB DRAINAGE. 4" PERFORATED DRAIN PIPES SHOULD BE PLACED IN NARROW, 12" WIDE BY 18" DEEP TRENCHES WITH CLEAN, FREE DRAINING 3/8" PEA GRAVEL OR CLEAN 5/8" CRUSHED ROCK. TIE UNDER SLAB PERFORATED PIPE TO FOOTING TIGHTLINES AND DRAIN TO APPROVED LOCATION PER LOCAL GOVERNING AUTHORITY.
- 4. IF FINISHED CONCRETE IS CHOSEN AS A FINISHED FLOORING CONDITION, COORDINATE WITH ARCHITECT AND OWNER TO INCLUDE A PERCENTAGE OF LAMP BLACK IN SLAB CONCRETE MIX. FINAL PERCENTAGE OF LAMP BLACK TO BE DETERMINED BY CONCRETE SUBCONTRACTOR TO PRODUCE THE DESIRED CONCRETE COLOR.

GENERAL EXCAVATION AND GRADING NOTES

- 1. ALL TEMPORARY GRADE CUTS SHALL BE 1V : 1H PER LOCAL GOVERNING AUTHORITY RECOMMENDATIONS. STEEPER EXCAVATION CUTS MAY BE USED WITH PRIOR REVIEW & APPROVAL FROM LOCAL GOVERNING AUTHORITY.
- 2. EXCAVATION DIAGRAM DEPICTS THE EXCAVATION NEEDED BASED ON THE ARCHITECTURE DRAWINGS AND SURVEY. CONTRACTOR AND SUB CONTRACTORS TO VERIFY AND DETERMINE EXACT EXCAVATION NEEDED FOR THE FOUNDATION BASED ON FIELD CONDITIONS. NOTIFY THE ARCHITECT IMMEDIATELY IF DEVIATIONS IN THE DRAWINGS ARE REQUIRED OR HAVE OCCURRED
- 3. NO TEMPORARY GRADE CUTS SHALL BE ALLOWED TO CROSS ANY PROPERTY LINE.
- 4. SLOPES FOR PERMANENT EXCAVATIONS OR FILLS WITHOUT RETAINING WALLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL UNLESS EXPLICIT APPROVAL FROM LOCAL GOVERNING AUTHORITY.
- 5. DURING DEVELOPMENT, IMPROVEMENT, USE OR CONSTRUCTION ALL NATURAL CONTOURS SHALL BE MAINTAINED TO THE EXTENT THAT NATURAL DRAINAGE FLOW FROM OR ONTO ADJACENT PUBLIC OR PRIVATE PROPERTY SHALL NOT BE DISRUPTED, BLOCKED, INCREASED, REDIRECTED, OR OTHERWISE MADE DETRIMENTAL TO THE USE OR MAINTENANCE OF ADJACENT PROPERTIES.

CRAWL SPACE VENTILATION

CRAWL SPACE VENTILATION COMPLIANCE

IRC R408.1 - VENTILATION - THE UNDER-FLOOR SPACE BETWEEN THE BOTTOM OF THE FLOOR JOISTS AND THE EARTH UNDER ANY BUILDING (EXCEPT SPACE OCCUPIED BY A BASEMENT) SHALL HAVE VENTILATION OPENINGS THROUGH FOUNDATION WALLS OR EXTERIOR WALLS.

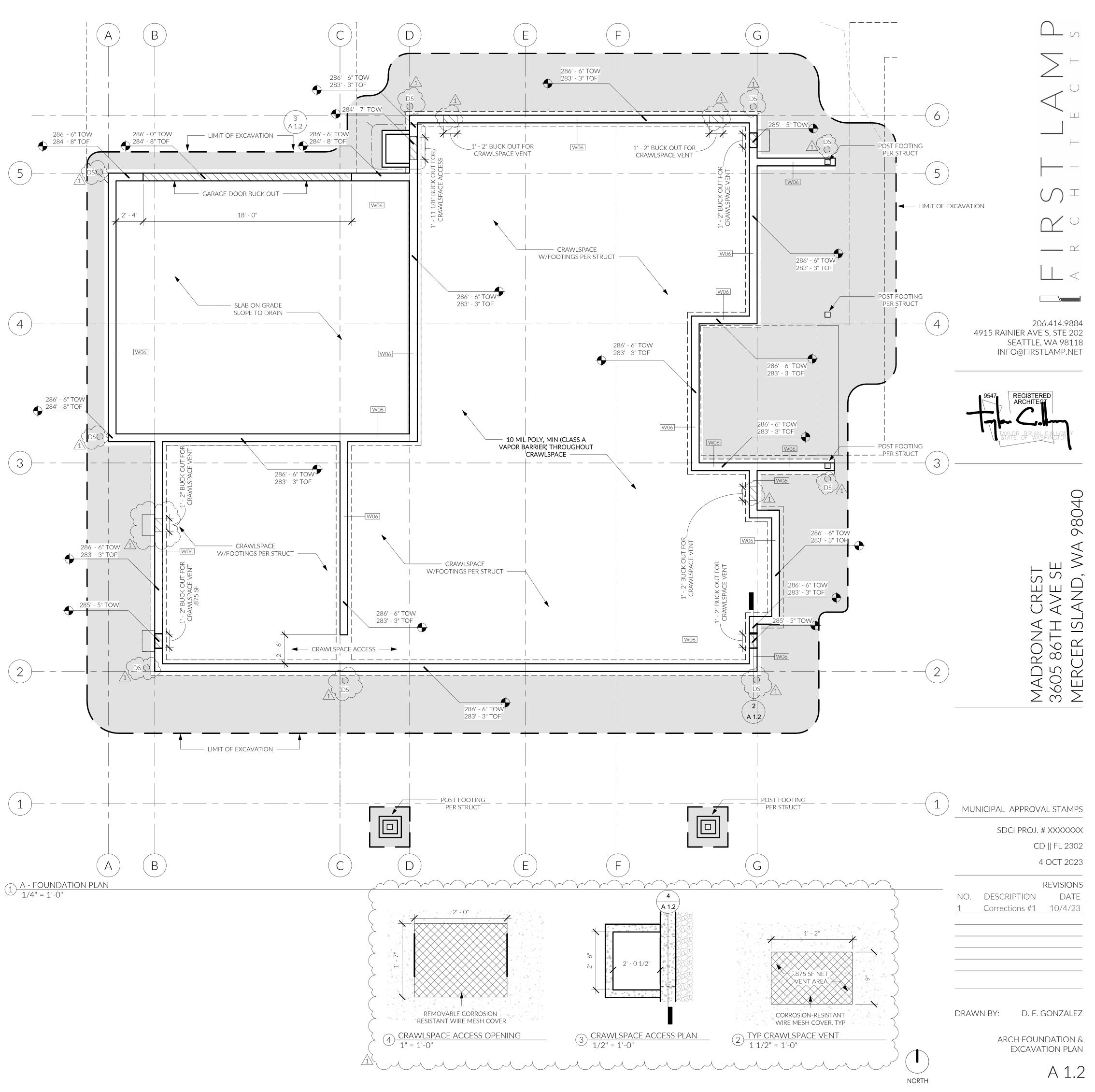
IRC R408.2 - OPENINGS - THE MINIMUM NET AREA OF VENTILATION OPENINGS SHALL NOT BE LESS THAN 1 SQUARE FOOT FOR EACH 150 SQUARE FEET OF UNDER-FLOOR AREA. THE TOTAL AREA OF VENTILATION OPENINGS SHALL BE PERMITTED TO BE REDUCED TO 1/1,500 OF THE UNDER-FLOOR AREA WHERE THE GROUND SURFACE IS COVERED WITH AN APPROVED CLASS I VAPOR RETARDER MATERIAL AND THE REQUIRED OPENINGS ARE PLACED TO PROVIDE CROSS VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED.

CRAWL SPACE VENTILATION CALCULATIONS

· CRAWL SPACE AREA:

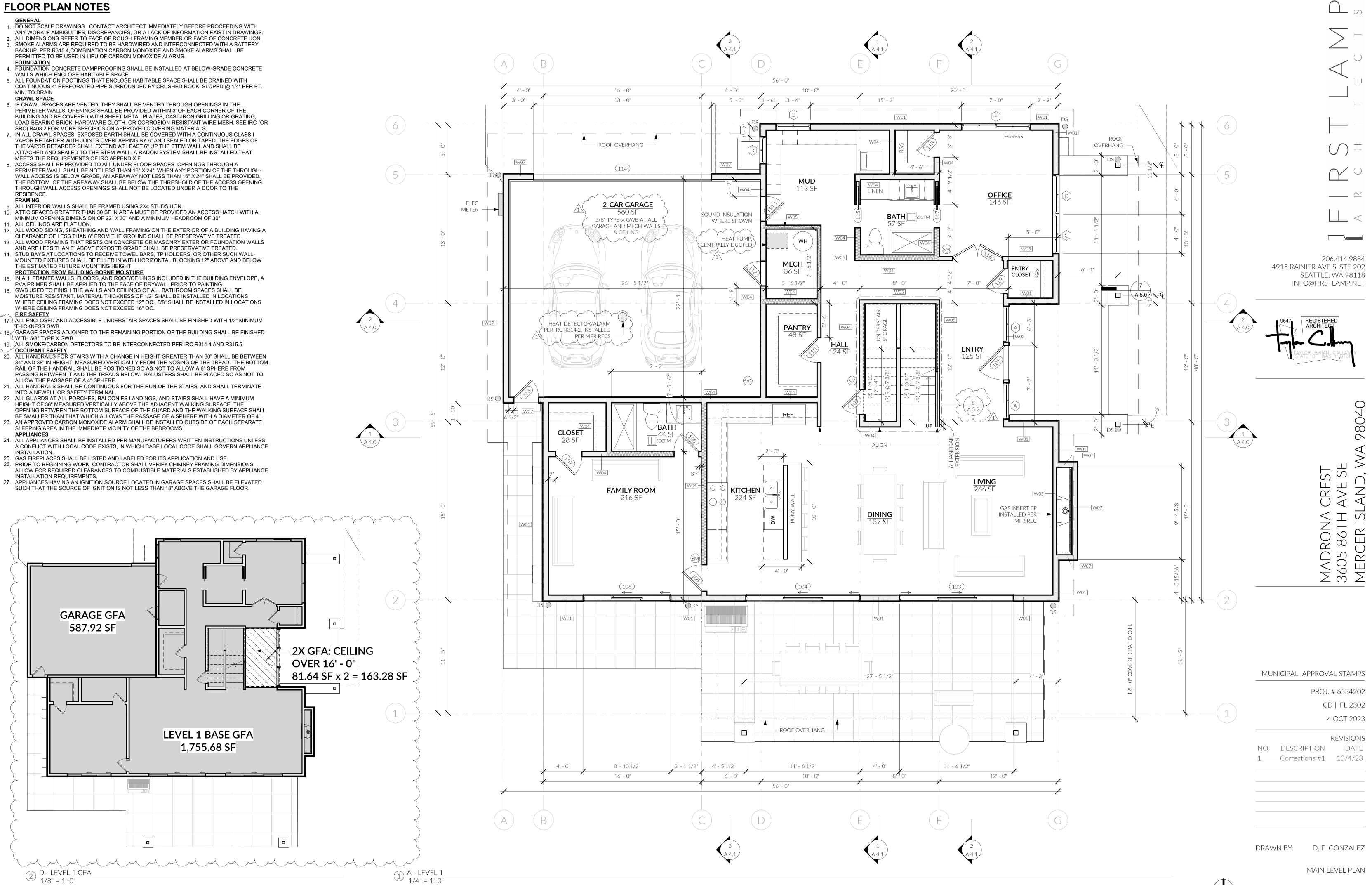
MIN NET VENTILATION AREA: NET VENT AREA PROPOSED:

1624 SF 1624 SF / 300 SF = 5.413 SF .875 SF X 7 = 6.125 SF



- **FOUNDATION**
- 5. ALL FOUNDATION FOOTINGS THAT ENCLOSE HABITABLE SPACE SHALL BE DRAINED WITH
- CRAWL SPACE 6. IF CRAWL SPACES ARE VENTED, THEY SHALL BE VENTED THROUGH OPENINGS IN THE PERIMETER WALLS. OPENINGS SHALL BE PROVIDED WITHIN 3' OF EACH CORNER OF THE BUILDING AND BE COVERED WITH SHEET METAL PLATES, CAST-IRON GRILLING OR GRATING,
- 7. IN ALL CRAWL SPACES, EXPOSED EARTH SHALL BE COVERED WITH A CONTINUOUS CLASS I VAPOR RETARDER WITH JOINTS OVERLAPPING BY 6" AND SEALED OR TAPED. THE EDGES OF THE VAPOR RETARDER SHALL EXTEND AT LEAST 6" UP THE STEM WALL AND SHALL BE ATTACHED AND SEALED TO THE STEM WALL. A RADON SYSTEM SHALL BE INSTALLED THAT

- 9. ALL INTERIOR WALLS SHALL BE FRAMED USING 2X4 STUDS UON.
- MINIMUM OPENING DIMENSION OF 22" X 30" AND A MINIMUM HEADROOM OF 30"
- 14. STUD BAYS AT LOCATIONS TO RECEIVE TOWEL BARS, TP HOLDERS, OR OTHER SUCH WALL-MOUNTED FIXTURES SHALL BE FILLED IN WITH HORIZONTAL BLOCKING 12" ABOVE AND BELOW THE ESTIMATED FUTURE MOUNTING HEIGHT.
- PVA PRIMER SHALL BE APPLIED TO THE FACE OF DRYWALL PRIOR TO PAINTING.
- MOISTURE RESISTANT. MATERIAL THICKNESS OF 1/2" SHALL BE INSTALLED IN LOCATIONS WHERE CEILING FRAMING DOES NOT EXCEED 16" OC.
- THICKNESS GWB.
- くWITH 5/8" TYPE X GWB. 2 19.)ALL SMOKE/CARBON DETECTORS TO BE INTERCONNECTED PER IRC R314.4 AND R315.5.
- **OCCUPANT SAFETY** 20. ALL HANDRAILS FOR STAIRS WITH A CHANGE IN HEIGHT GREATER THAN 30" SHALL BE BETWEEN RAIL OF THE HANDRAIL SHALL BE POSITIONED SO AS NOT TO ALLOW A 6" SPHERE FROM PASSING BETWEEN IT AND THE TREADS BELOW. BALUSTERS SHALL BE PLACED SO AS NOT TO
- ALLOW THE PASSAGE OF A 4" SPHERE. 21. ALL HANDRAILS SHALL BE CONTINUOUS FOR THE RUN OF THE STAIRS AND SHALL TERMINATE INTO A NEWELL OR SAFETY TERMINAL.
- 22. ALL GUARDS AT ALL PORCHES, BALCONIES LANDINGS, AND STAIRS SHALL HAVE A MINIMUM HEIGHT OF 36" MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE. THE
- SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.
- A CONFLICT WITH LOCAL CODE EXISTS, IN WHICH CASE LOCAL CODE SHALL GOVERN APPLIANCE INSTALLATION.
- 26. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL VERIFY CHIMNEY FRAMING DIMENSIONS
- 27. APPLIANCES HAVING AN IGNITION SOURCE LOCATED IN GARAGE SPACES SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE GARAGE FLOOR.





FLOOR PLAN NOTES

- GENERAL DO NOT SCALE DRAWINGS. CONTACT ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH
- ANY WORK IF AMBIGUITIES, DISCREPANCIES, OR A LACK OF INFORMATION EXIST IN DRAWINGS. 2. ALL DIMENSIONS REFER TO FACE OF ROUGH FRAMING MEMBER OR FACE OF CONCRETE UON. SMOKE ALARMS ARE REQUIRED TO BE HARDWIRED AND INTERCONNECTED WITH A BATTERY BACKUP. PER R315.4, COMBINATION CARBON MONOXIDE AND SMOKE ALARMS SHALL BE PERMITTED TO BE USED IN LIEU OF CARBON MONOXIDE ALARMS.
- **FOUNDATION** FOUNDATION CONCRETE DAMPPROOFING SHALL BE INSTALLED AT BELOW-GRADE CONCRETE WALLS WHICH ENCLOSE HABITABLE SPACE.
- 5. ALL FOUNDATION FOOTINGS THAT ENCLOSE HABITABLE SPACE SHALL BE DRAINED WITH CONTINUOUS 4" PERFORATED PIPE SURROUNDED BY CRUSHED ROCK, SLOPED @ 1/4" PER FT.
- MIN. TO DRAIN CRAWL SPACE
- 6. IF CRAWL SPACES ARE VENTED, THEY SHALL BE VENTED THROUGH OPENINGS IN THE PERIMETER WALLS. OPENINGS SHALL BE PROVIDED WITHIN 3' OF EACH CORNER OF THE BUILDING AND BE COVERED WITH SHEET METAL PLATES, CAST-IRON GRILLING OR GRATING, LOAD-BEARING BRICK, HARDWARE CLOTH, OR CORROSION-RESISTANT WIRE MESH. SEE IRC (OR SRC) R408.2 FOR MORE SPECIFICS ON APPROVED COVERING MATERIALS.

6

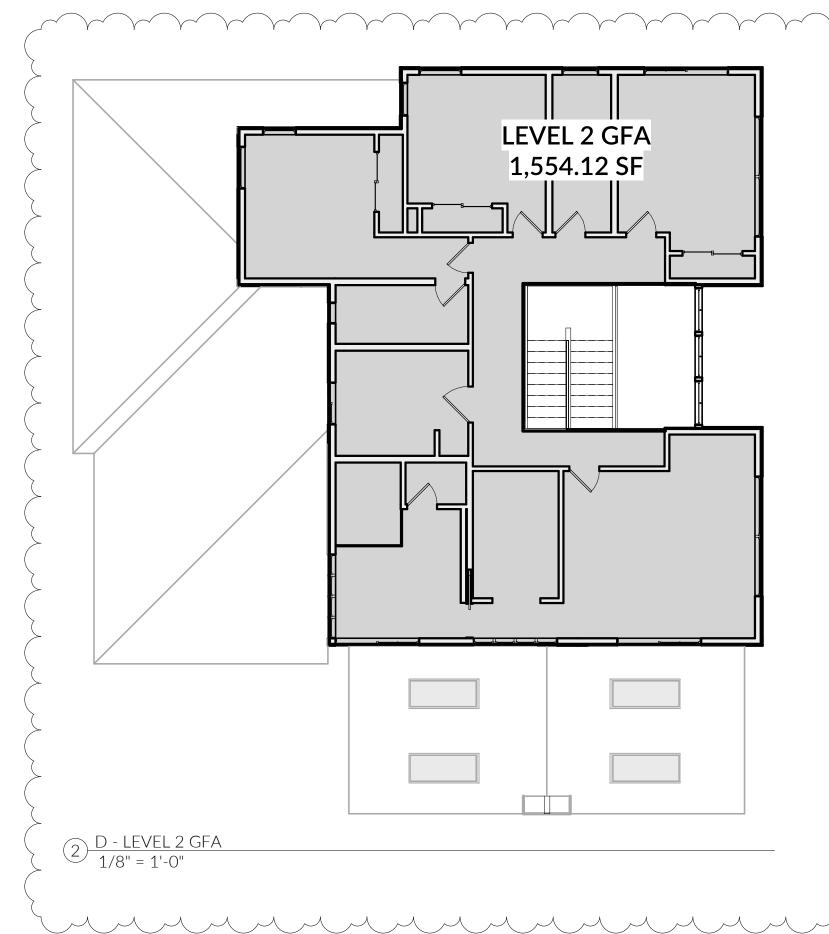
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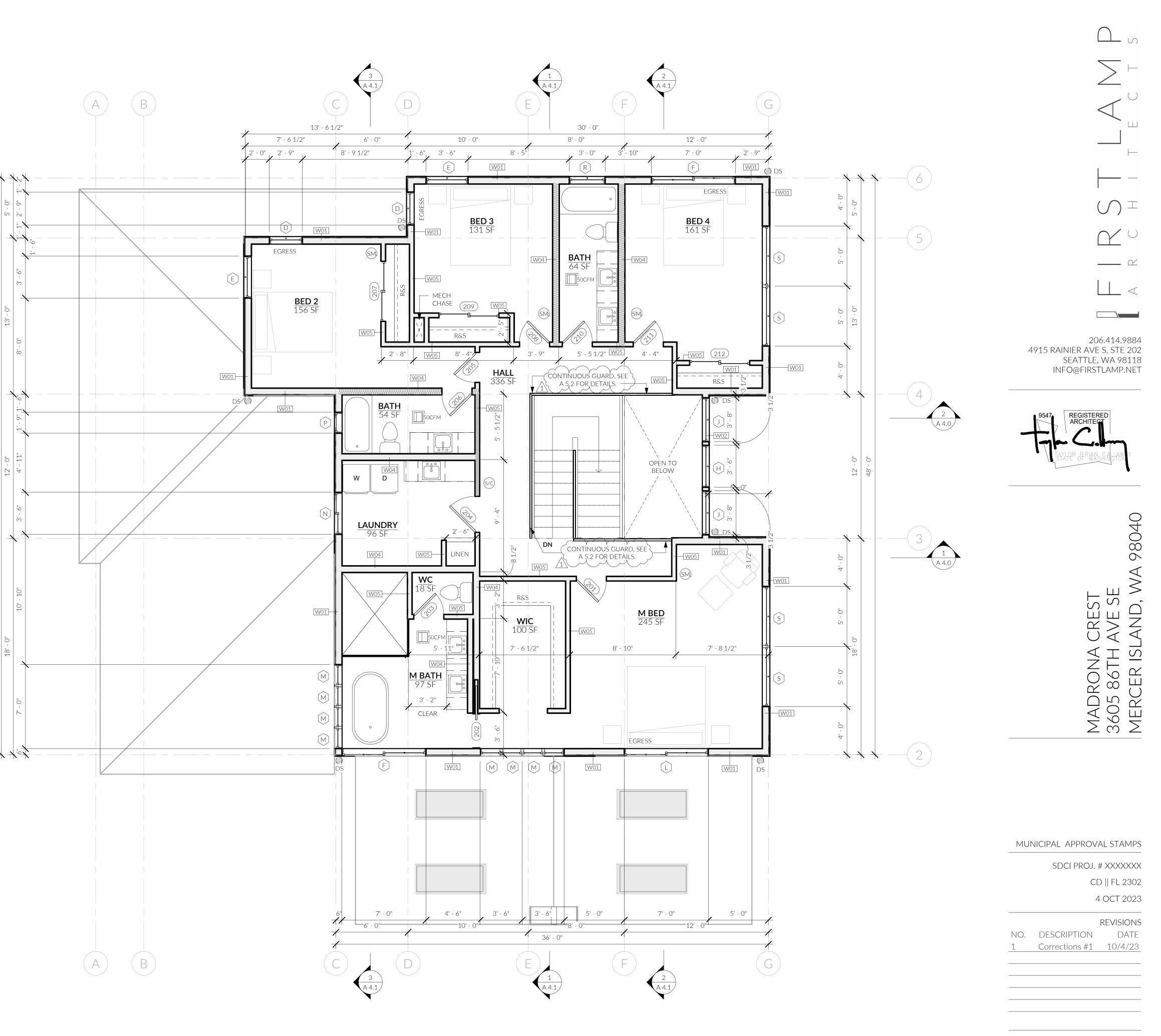
A 4.0/

_A 4.0/

(2)

- 7. IN ALL CRAWL SPACES, EXPOSED EARTH SHALL BE COVERED WITH A CONTINUOUS CLASS I VAPOR RETARDER WITH JOINTS OVERLAPPING BY 6" AND SEALED OR TAPED. THE EDGES OF THE VAPOR RETARDER SHALL EXTEND AT LEAST 6" UP THE STEM WALL AND SHALL BE ATTACHED AND SEALED TO THE STEM WALL. A RADON SYSTEM SHALL BE INSTALLED THAT MEETS THE REQUIREMENTS OF IRC APPENDIX F.
- 8. ACCESS SHALL BE PROVIDED TO ALL UNDER-FLOOR SPACES. OPENINGS THROUGH A PERIMETER WALL SHALL BE NOT LESS THAN 16" X 24". WHEN ANY PORTION OF THE THROUGH-WALL ACCESS IS BELOW GRADE, AN AREAWAY NOT LESS THAN 16" X 24" SHALL BE PROVIDED. THE BOTTOM OF THE AREAWAY SHALL BE BELOW THE THRESHOLD OF THE ACCESS OPENING. THROUGH WALL ACCESS OPENINGS SHALL NOT BE LOCATED UNDER A DOOR TO THE RESIDENCE.
- **FRAMING** 9. ALL INTERIOR WALLS SHALL BE FRAMED USING 2X4 STUDS UON.
- 10. ATTIC SPACES GREATER THAN 30 SF IN AREA MUST BE PROVIDED AN ACCESS HATCH WITH A MINIMUM OPENING DIMENSION OF 22" X 30" AND A MINIMUM HEADROOM OF 30" 11. ALL CEILINGS ARE FLAT UON.
- 12. ALL WOOD SIDING, SHEATHING AND WALL FRAMING ON THE EXTERIOR OF A BUILDING HAVING A CLEARANCE OF LESS THAN 6" FROM THE GROUND SHALL BE PRESERVATIVE TREATED. 13. ALL WOOD FRAMING THAT RESTS ON CONCRETE OR MASONRY EXTERIOR FOUNDATION WALLS
- AND ARE LESS THAN 8" ABOVE EXPOSED GRADE SHALL BE PRESERVATIVE TREATED. 14. STUD BAYS AT LOCATIONS TO RECEIVE TOWEL BARS, TP HOLDERS, OR OTHER SUCH WALL-MOUNTED FIXTURES SHALL BE FILLED IN WITH HORIZONTAL BLOCKING 12" ABOVE AND BELOW THE ESTIMATED FUTURE MOUNTING HEIGHT.
- PROTECTION FROM BUILDING-BORNE MOISTURE15.15.IN ALL FRAMED WALLS, FLOORS, AND ROOF/CEILINGS INCLUDED IN THE BUILDING ENVELOPE, A PVA PRIMER SHALL BE APPLIED TO THE FACE OF DRYWALL PRIOR TO PAINTING.
- 16. GWB USED TO FINISH THE WALLS AND CEILINGS OF ALL BATHROOM SPACES SHALL BE MOISTURE RESISTANT. MATERIAL THICKNESS OF 1/2" SHALL BE INSTALLED IN LOCATIONS WHERE CEILING FRAMING DOES NOT EXCEED 12" OC., 5/8" SHALL BE INSTALLED IN LOCATIONS WHERE CEILING FRAMING DOES NOT EXCEED 16" OC.
- FIRE SAFETY 17. ALL ENCLOSED AND ACCESSIBLE UNDERSTAIR SPACES SHALL BE FINISHED WITH 1/2" MINIMUM THICKNESS GWB.
- 18. GARAGE SPACES ADJOINED TO THE REMAINING PORTION OF THE BUILDING SHALL BE FINISHED WITH 5/8" TYPE X GWB.
- 19. ALL SMOKE/CARBON DETECTORS TO BE INTERCONNECTED PER IRC R314.4 AND R315.5. OCCUPANT SAFETY
- 20. ALL HANDRAILS FOR STAIRS WITH A CHANGE IN HEIGHT GREATER THAN 30" SHALL BE BETWEEN 34" AND 38" IN HEIGHT, MEASURED VERTICALLY FROM THE NOSING OF THE TREAD. THE BOTTOM RAIL OF THE HANDRAIL SHALL BE POSITIONED SO AS NOT TO ALLOW A 6" SPHERE FROM PASSING BETWEEN IT AND THE TREADS BELOW. BALUSTERS SHALL BE PLACED SO AS NOT TO ALLOW THE PASSAGE OF A 4" SPHERE.
- 21. ALL HANDRAILS SHALL BE CONTINUOUS FOR THE RUN OF THE STAIRS AND SHALL TERMINATE INTO A NEWELL OR SAFETY TERMINAL.
- 22. ALL GUARDS AT ALL PORCHES, BALCONIES LANDINGS, AND STAIRS SHALL HAVE A MINIMUM HEIGHT OF 36" MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE. THE OPENING BETWEEN THE BOTTOM SURFACE OF THE GUARD AND THE WALKING SURFACE SHALL BE SMALLER THAN THAT WHICH ALLOWS THE PASSAGE OF A SPHERE WITH A DIAMETER OF 4".
- 23. AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS. APPLIANCES
 24. ALL APPLIANCES SHALL BE INSTALLED PER MANUFACTURERS WRITTEN INSTRUCTIONS UNLESS
- A CONFLICT WITH LOCAL CODE EXISTS, IN WHICH CASE LOCAL CODE SHALL GOVERN APPLIANCE INSTALLATION.
- 25. GAS FIREPLACES SHALL BE LISTED AND LABELED FOR ITS APPLICATION AND USE. 26. PRIOR TO BEGINNING WORK, CONTRACTOR SHALL VERIFY CHIMNEY FRAMING DIMENSIONS ALLOW FOR REQUIRED CLEARANCES TO COMBUSTIBLE MATERIALS ESTABLISHED BY APPLIANCE INSTALLATION REQUIREMENTS.
- 27. APPLIANCES HAVING AN IGNITION SOURCE LOCATED IN GARAGE SPACES SHALL BE ELEVATED SUCH THAT THE SOURCE OF IGNITION IS NOT LESS THAN 18" ABOVE THE GARAGE FLOOR.





1 <u>A - LEVEL 2</u> 1/4" = 1'-0"

DRAWN BY:

D. F. GONZALEZ

UPPER LEVEL PLAN

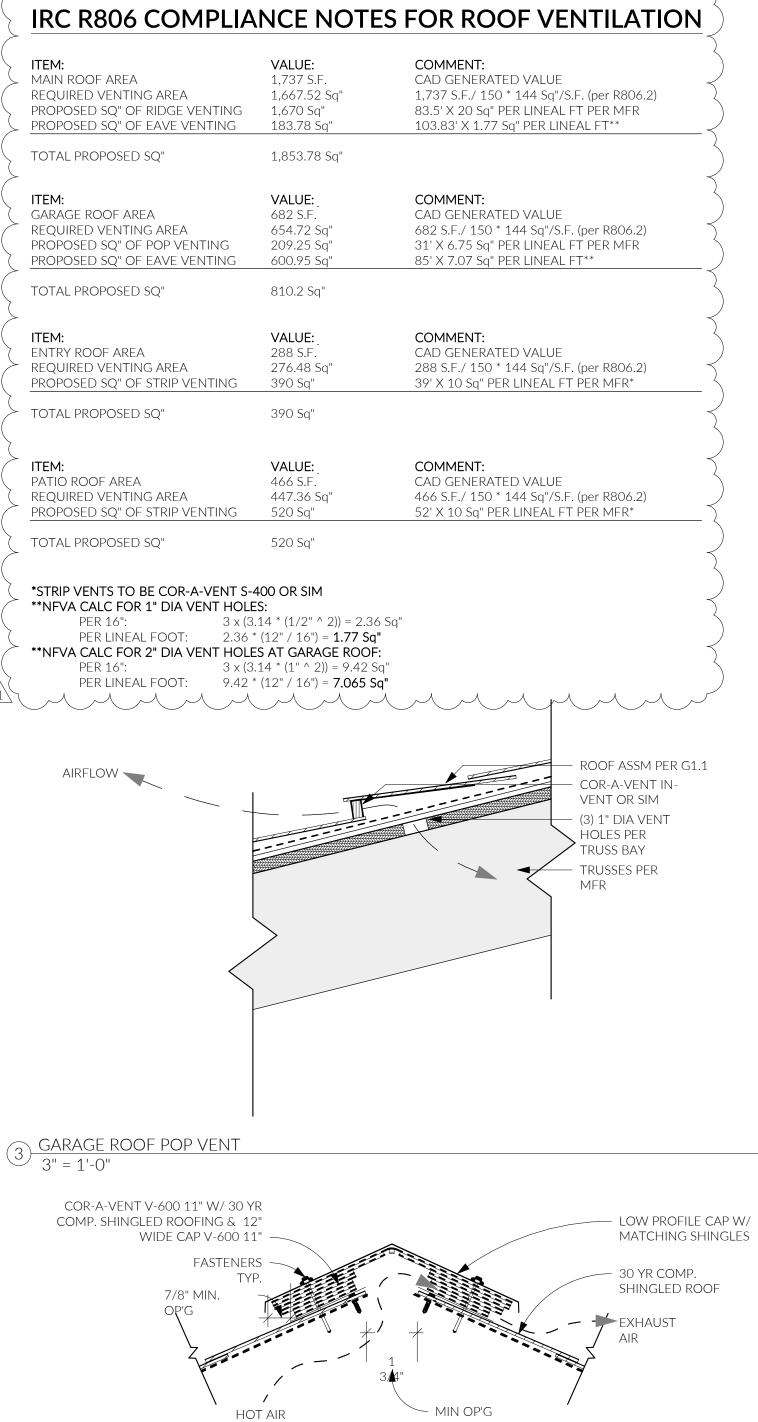






ROOF PLAN NOTES

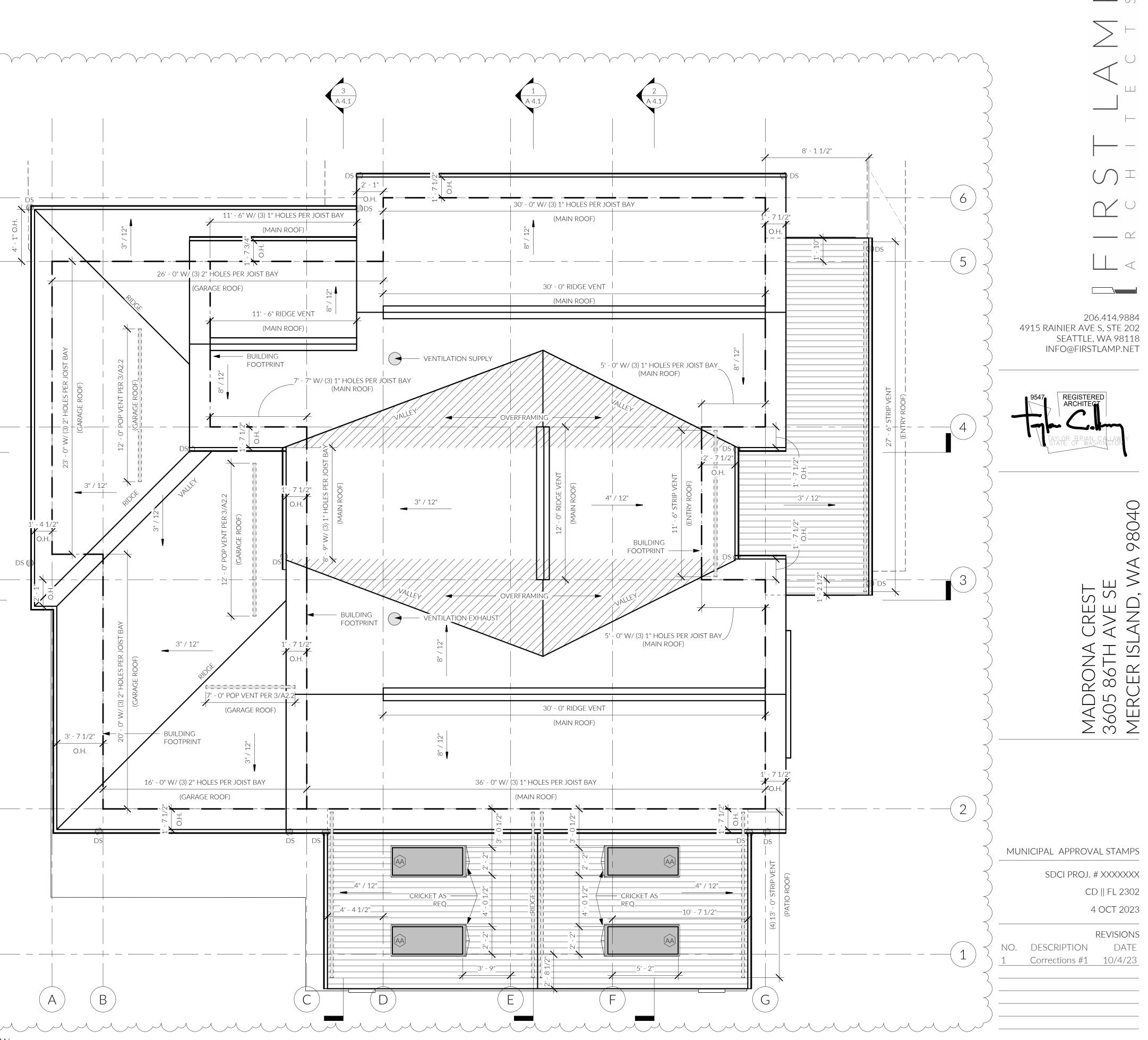
- 1. DO NOT SCALE DRAWINGS. CONTACT ARCHITECT IMMEDIATELY BEFORE PROCEEDING WITH ANY WORK IF AMBIGUITIES OR DISCREPANCIES EXIST IN DRAWINGS.
- 2. ALL DIMENSIONS REFER TO FACE OF ROUGH FRAMING MEMBER UON.
- 3. VALLEY FLASHING SHALL EXTEND 24" BEYOND EITHER SIDE OF VALLEY LINES UON.
- 4. SIDEWALL FLASHING SHALL EXTEND 24" ABOVE ALL ROOF-TO-WALL TERMINATIONS UON.
- 5. FLASH, COUNTER FLASH, CAULK AND SEAL ALL PLUMBING AND MECHANICAL PENETRATIONS THROUGH ROOF MEMBRANES. WATERPROOFING SHALL EXTEND FROM PENETRATION FLANGE 24" IN ALL DIRECTIONS BEYOND PENETRATION EDGE.
- 6. ALL TYPE L CHIMNEYS AND VENTS SHALL TERMINATE NOT LESS THAN 2' ABOVE ANY PORTION OF THE BUILDING WITHIN 10' MEASURED HORIZONTALLY FROM ALL SIDE OF CHIMNEY.
- 7. ALL CRICKET FRAMING FOR CHIMNEYS SHALL MATCH THE SLOPE OF THE HOST ROOF. WATERPROOF ENTIRE CRICKET SURFACE AND FLASH CHIMNEY INTERSECTION.
- 8. FIREPLACE FLUE SHALL TERMINATE ABOVE FRAMING AND FINISHED CHIMNEY CAP WITH UL TESTED AND LISTED TERMINATION CAP PER FIREPLACE INSTALLATION INSTRUCTIONS.
- 9. ALL MATERIALS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURERS PRINTED INSTALLATION INSTRUCTIONS.



 $\bigcirc \frac{\text{RIDGE VENT, SHINGLES, TYP.}}{3" = 1'-0"}$

2 A 4.0

1 A 4.0

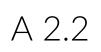


1 <u>A - ROOF PLAN</u> 1/4" = 1'-0"

DRAWN BY: D. F. GONZALEZ

ROOF PLAN





ELEVATION NOTES

- 1. ALL WINDOWS SHALL BE MOUNTED WITH A HEAD HEIGHT ACCORDING TO WINDOW SCHEDULE ABOVE SUBFLOOR UON. 2. ALL WINDOWS IN THE FOLLOWING LOCATIONS SHALL BE CONSTRUCTED WITH SAFETY GLAZING: WINDOWS IN SWINGING AND SLIDING DOORS.
 - WINDOWS ADJACENT TO TUB OR SHOWER.
 - WINDOWS OR SIDELIGHTS WITHIN A 24 INCH ARC OF A DOOR JAMB.
 - WINDOWS AT STAIR LANDINGS, WITHIN THE WIDTH OF STAIRS AND WITHIN 36" BEYOND THE BOTTOM AND TOP FLIGHTS OF STAIRS, WHERE THE SILL IS LESS THAN 60" ABOVE THE WALKING SURFACE.
- 3. SEE SHEET G1.1 FOR WINDOW U-FACTOR AND ADDITIONAL ENERGY INFORMATION. 4. ALL SIDEWALL FLASHING SHALL EXTEND 24" ABOVE ROOF SURFACE AT ROOF-TO-WALL LOCATIONS.
- 5. ALL SHIM SPACES BETWEEN WINDOW / DOOR FRAMES AND ROUGH OPENINGS SHALL BE FULLY INSULATED WITH SPRAY APPLIED EXPANDING FOAM PRIOR TO APPLICATION OF EXTERIOR SIDING AND INTERIOR DRYWALL OR FINISH.
- 6. CONTRACTOR TO FIELD LOCATE TIE-INS TO STORMWATER DRAINAGE SYSTEM.
- 7. CONTRACTOR TO FIELD VERIFY ALL TOP OF FOUNDATION WALL ELEVATIONS ARE LOCATED 6" MINIMUM ABOVE PROPOSED FINISHED GRADE.
- 8. FINISHED GRADE SHALL BE GRADED SO AS TO PROVIDE A 1/2" PER FOOT SLOPE AWAY FROM ALL EXTERIOR WALLS FOR A MINIMUM OF 10' AROUND THE ENTIRE PERIMETER OF THE BUILDING.

RIDGE VENT, SEE 2/A2.2 30 YEAR COMP ROOF,

4" BOX GUTTER AND FLASHING. PTD TO MATCH FASCIA HARDIE SMOOTH FACE FASCIA, PTD BLACK PER OWNER WINDOW PER SCHEDULE,

HARDIE LAP SIDING PER

4" BOX GUTTER AND FLASHING, PTD TO MATCH FASCIA -POST PER STRUCT. PTD

BOARD AND BATTEN SIDING PER ASSM, SEE G1.1, PTD BRICK SIDING PER ASSM, SEE

G1.1, PER OWNER SELECTION STONE CAP TO MATCH

RIDGE VENT, SEE 2/A2.2 HARDIE SMOOTH FACE FASCIA, PTD BLACK PER OWNER 30 YEAR COMP ROOF, SEE ASSM G1.1 -

4" BOX GUTTER AND FLASHING, PTD TO MATCH FASCIA HARDIE SMOOTH FACE FASCIA, PTD BLACK PER OWNER HARDIE PANEL SIDING PER SPEC AND WALL ASSM G1.1 WINDOW TRIM, PTD WHITE PER OWNER WINDOW PER SCHEDULE, SEE SHEET G1.1.

STANDING SEAM METAL ROOF PER G1.1 SKYLIGHTS PER WINDOW SCHEDULE, SEE G1.1-4" BOX GUTTER AND FLASHING, PTD TO MATCH FASCIA HARDIE SMOOTH FACE FASCIA, PTD BLACK PER OWNER POST PER STRUCT, PTD

BREAK METAL CAP, PTD BLACK FIREPLACE VENT TERMINATION BOARD AND BATTEN SIDING PER ASSM, SEE G1.1, PTD BLACK PER OWNER -FINISH GRADE EXISTING GRADE

1) EAST 1/4" = 1'-0"

WINDOW NOTE:

WINDOWS BELOW 36" A.F.F. REQUIRED EMERGENCY EGRESS WINDOWS ARE TO BE PROVIDED WITH OPENING CONTROL DEVICES COMPLYING WITH SBC 1013.8.1 (EXCEPTION 4).

NOTE:

EACH DWELLING UNIT TO BE EQUIPPED WITH TRICKLE VENTS TO MEET THE SEATTLE MECHANICAL CODE REQUIREMENTS WITH A MIN. VENTING SPACE OF 4 SQ. INCHES OF NET FREE AREA IN EACH OCCUPIABLE SPACE. WINDOWS WITH OPENINGS LESS THAN 36" ABOVE FINISH FLOOR TO BE EQUIPPED WITH OPENING CONTROL DEVICES COMPLYING WITH SBC 1013.8.1 (EXCEPTION 4).





ELEVATIONS

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RIDGE VENT, SEE 2/A2.2 -30 YEAR COMP ROOF PER G1.1

4" BOX GUTTER AND FLASHING, PTD TO MATCH FASCIA HARDIE SMOOTH FACE FASCIA, PTD BLACK PER OWNER HARDIE PANEL SIDING PER SPEC AND WALL ASSM G1.1

> 30 YEAR COMP ROOF PER G1.1 4" BOX GUTTER _AND FLASHING, PTD. TO MATCH FASCIA HARDIE SMOOTH FACE FASCIA, PTD BLACK PER OWNER ELECTRIC METER, SEE

BOARD AND BATTEN SIDING PER ASSM, SEE G1.1, PTD BLACK PER OWNER -

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NOTE:

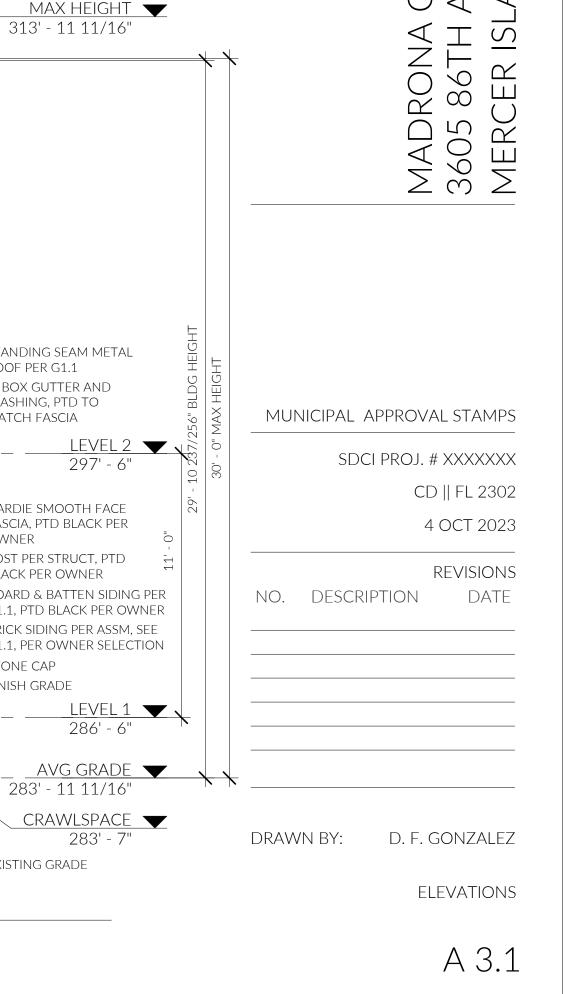
EACH DWELLING UNIT TO BE EQUIPPED WITH TRICKLE VENTS TO MEET THE SEATTLE MECHANICAL CODE REQUIREMENTS WITH A MIN. VENTING SPACE OF 4 SQ. INCHES OF NET FREE AREA IN EACH OCCUPIABLE SPACE. WINDOWS WITH OPENINGS LESS THAN 36" ABOVE FINISH FLOOR TO BE EQUIPPED WITH OPENING CONTROL DEVICES COMPLYING WITH SBC 1013.8.1 (EXCEPTION 4).



2 WEST 1/4" = 1'-0"



1 SOUTH 1/4" = 1'-0"



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AND,



2 Section 2 1/4" = 1'-0"

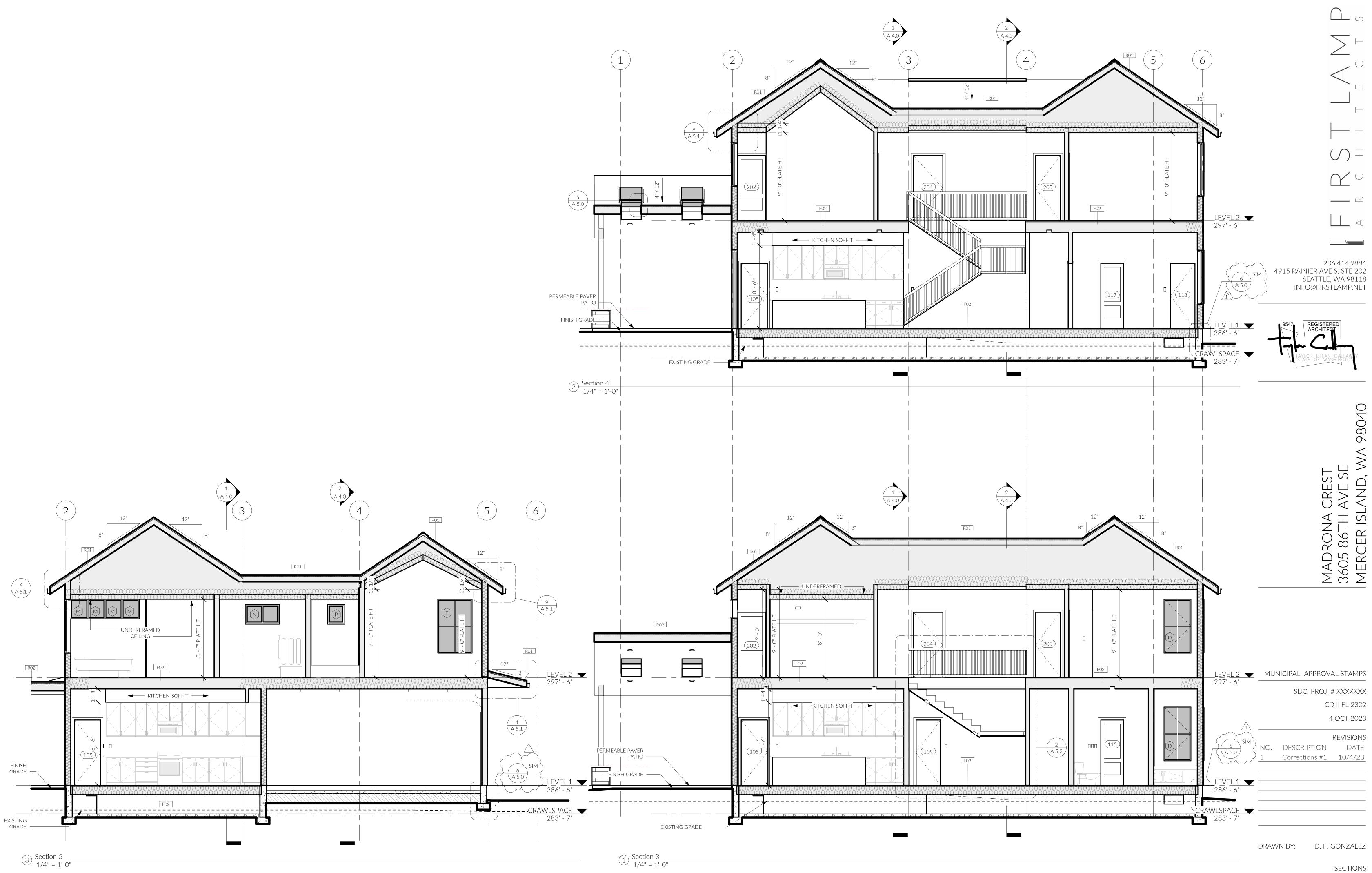


1 Section 1 1/4" = 1'-0"

 NOTE:
 1) SRC R312.1.2 - GUARDRAILS MUST BE A MINIMUM HEIGHT OF 36"

 2) SRC R312.1.3 - ALL GUARDRAILS MUST HAVE A MAX. OPENING SUCH THAT A 4" SPHERE CANNOT PASS THROUGH.

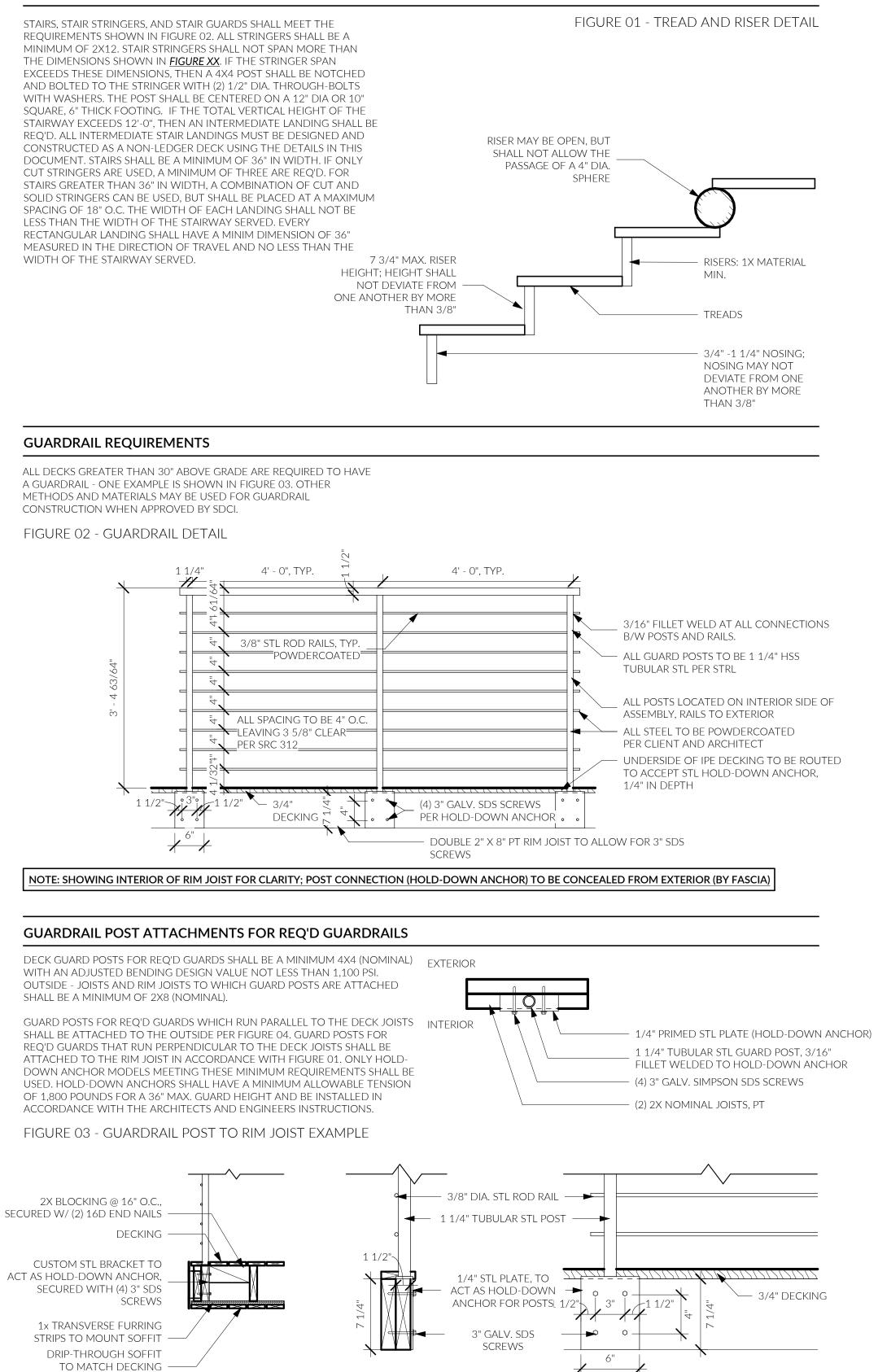
 3) SRC R301.5 - ALL GUARDRAILS MUST BE DESIGNED TO RESIST A 200 LB CONCENTRATED LOAD ON THE TOP RAIL AND 50 PSF ON ALL GUARDRAIL INFILL COMPONENTS



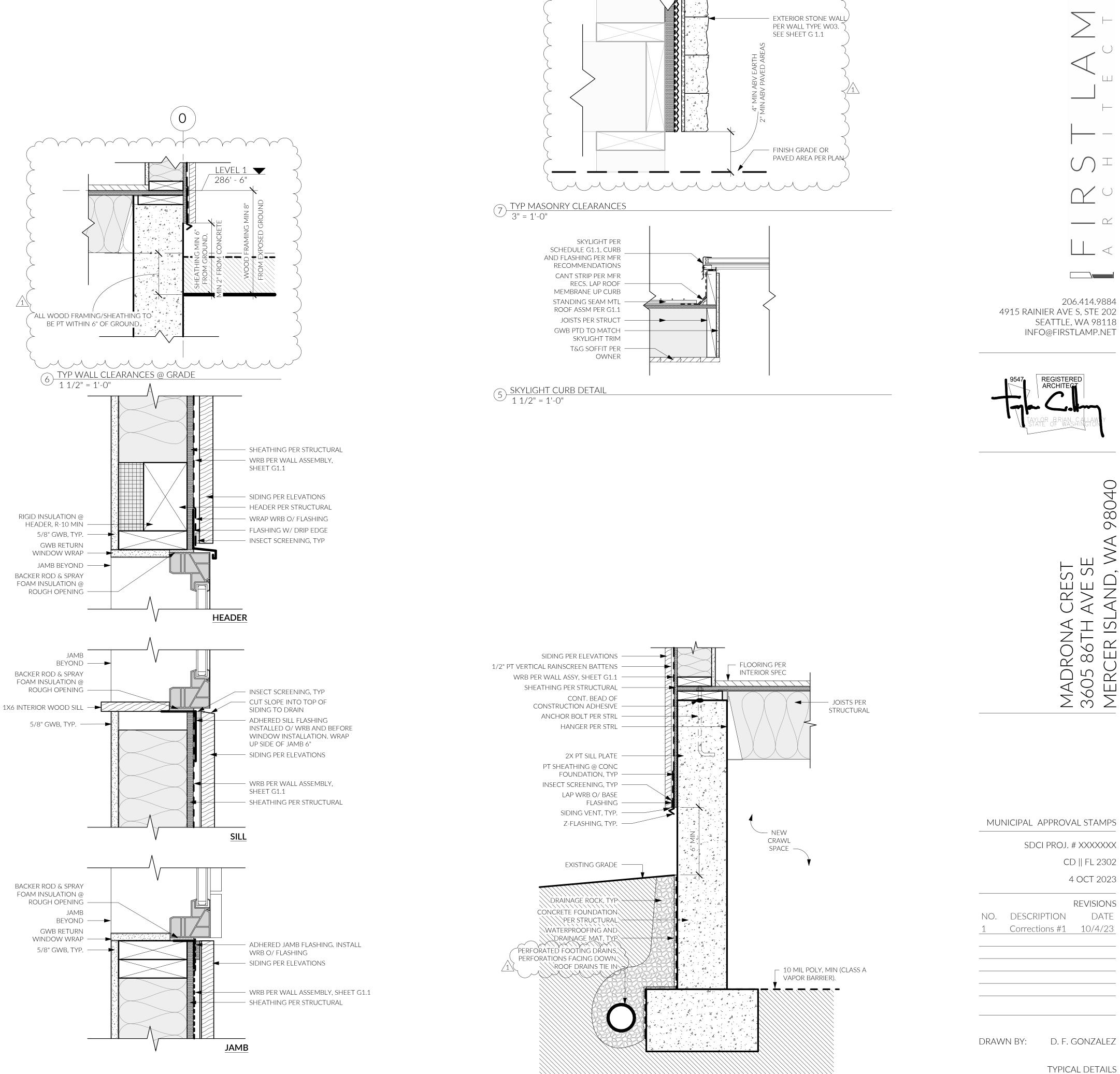
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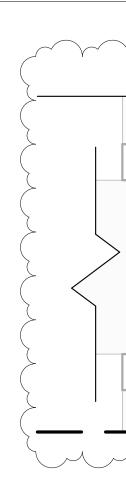
PRESCRIPTIVE RESIDENTIAL WOOD DECK CONSTRUCTION GUIDE

STAIR REQUIREMENTS

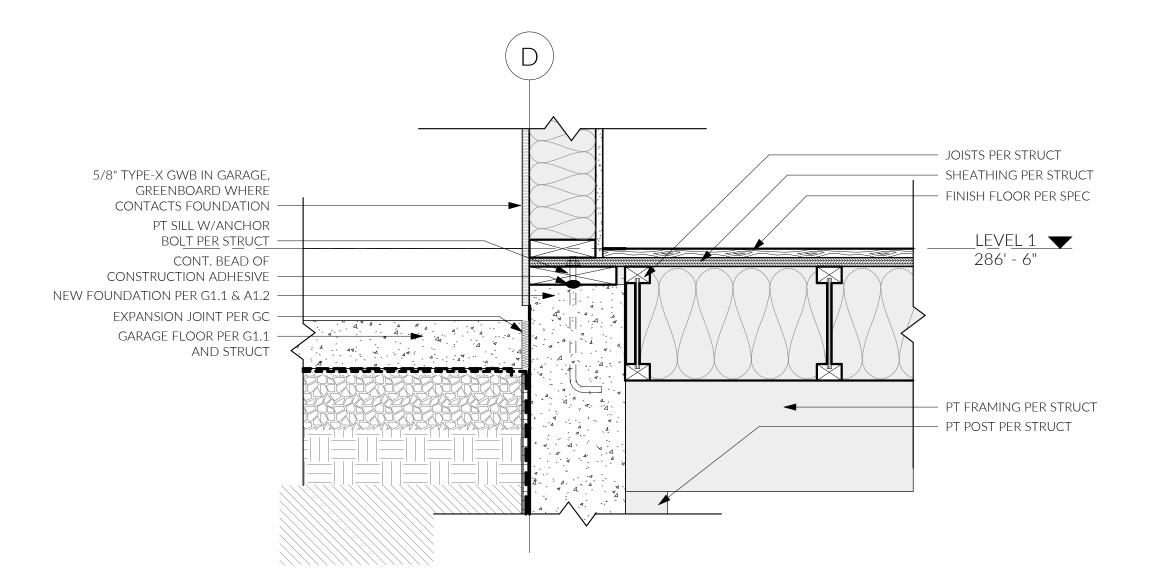




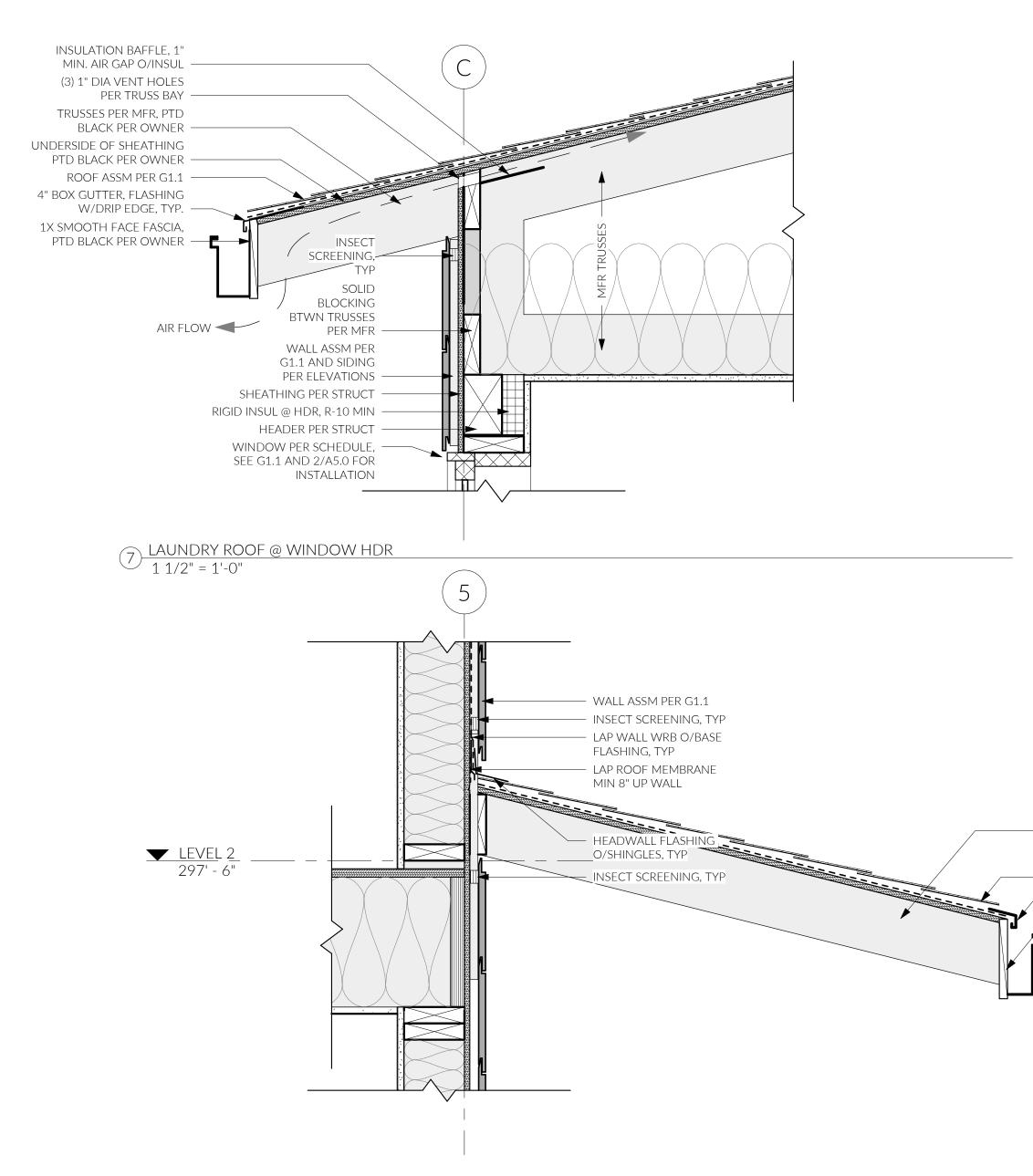




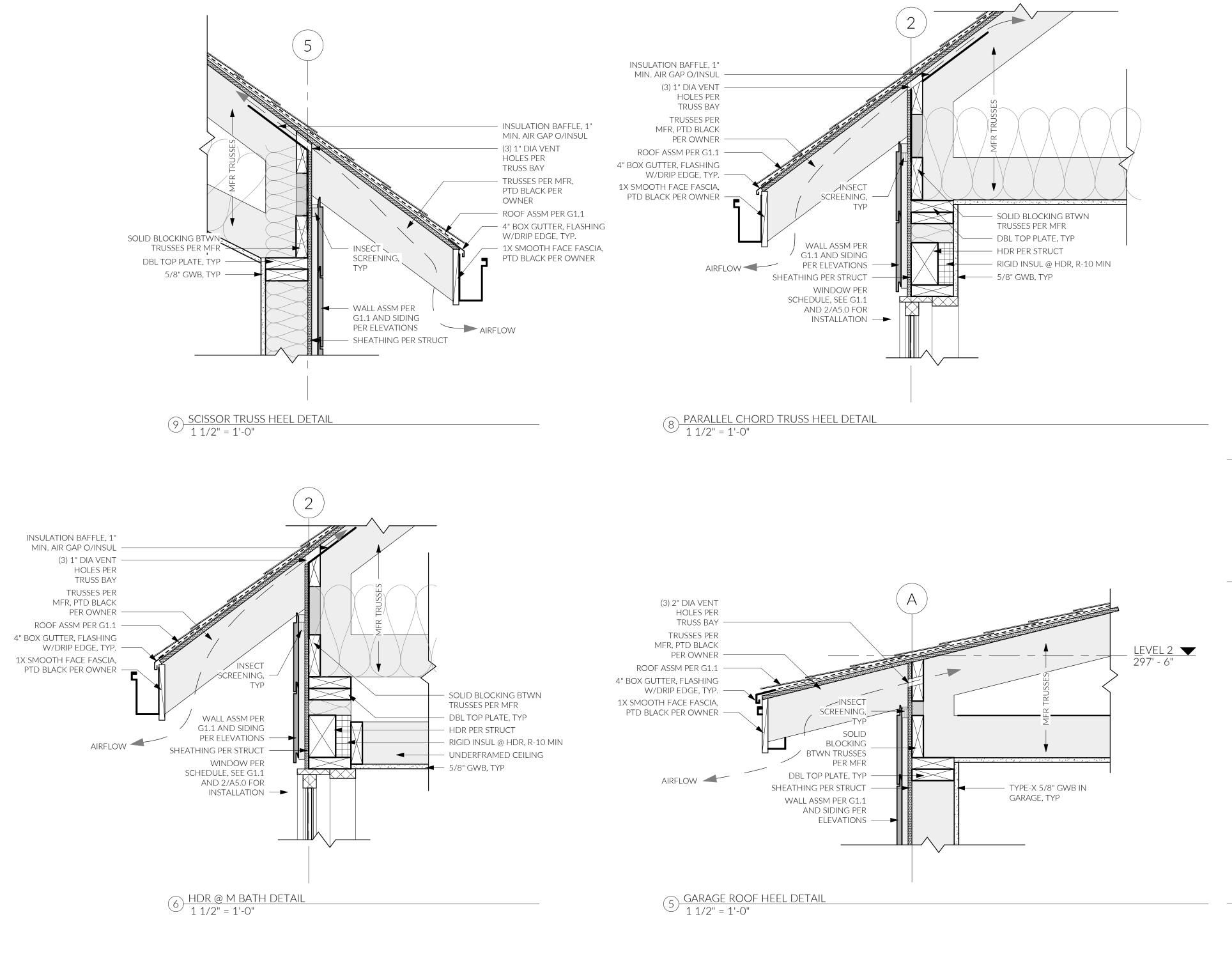


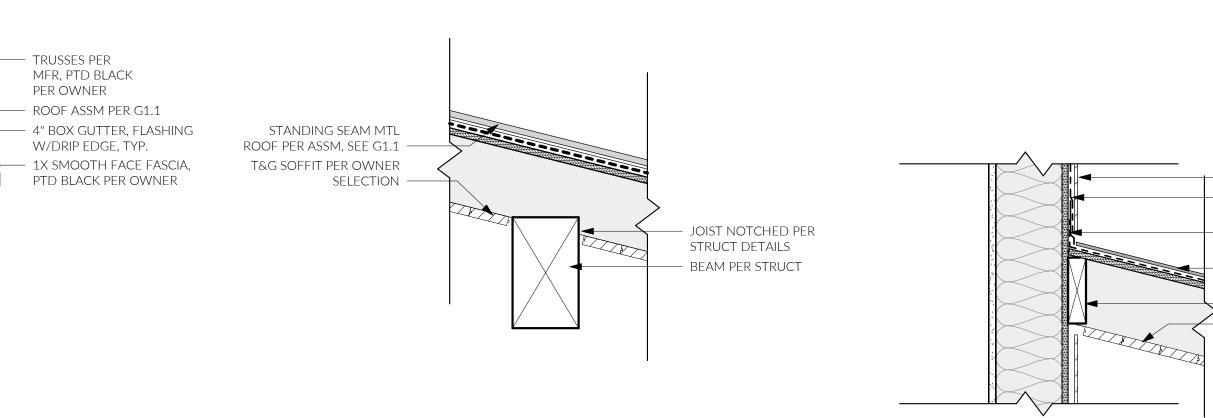




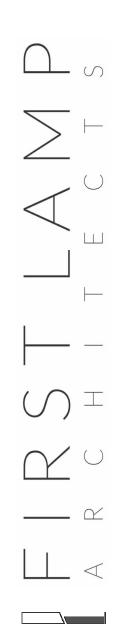


(4) GARAGE OVERHANG DETAIL 1 1/2" = 1'-0"





2 ENTRY ROOF @ WALL 1 1/2" = 1'-0"



206.414.9884 4915 RAINIER AVE S, STE 202 SEATTLE, WA 98118 INFO@FIRSTLAMP.NET



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MUNICIPAL APPROVAL STAMPS

SDCI PROJ. # XXXXXXX CD || FL 2302 4 OCT 2023

REVISIONS NO. DESCRIPTION DATE

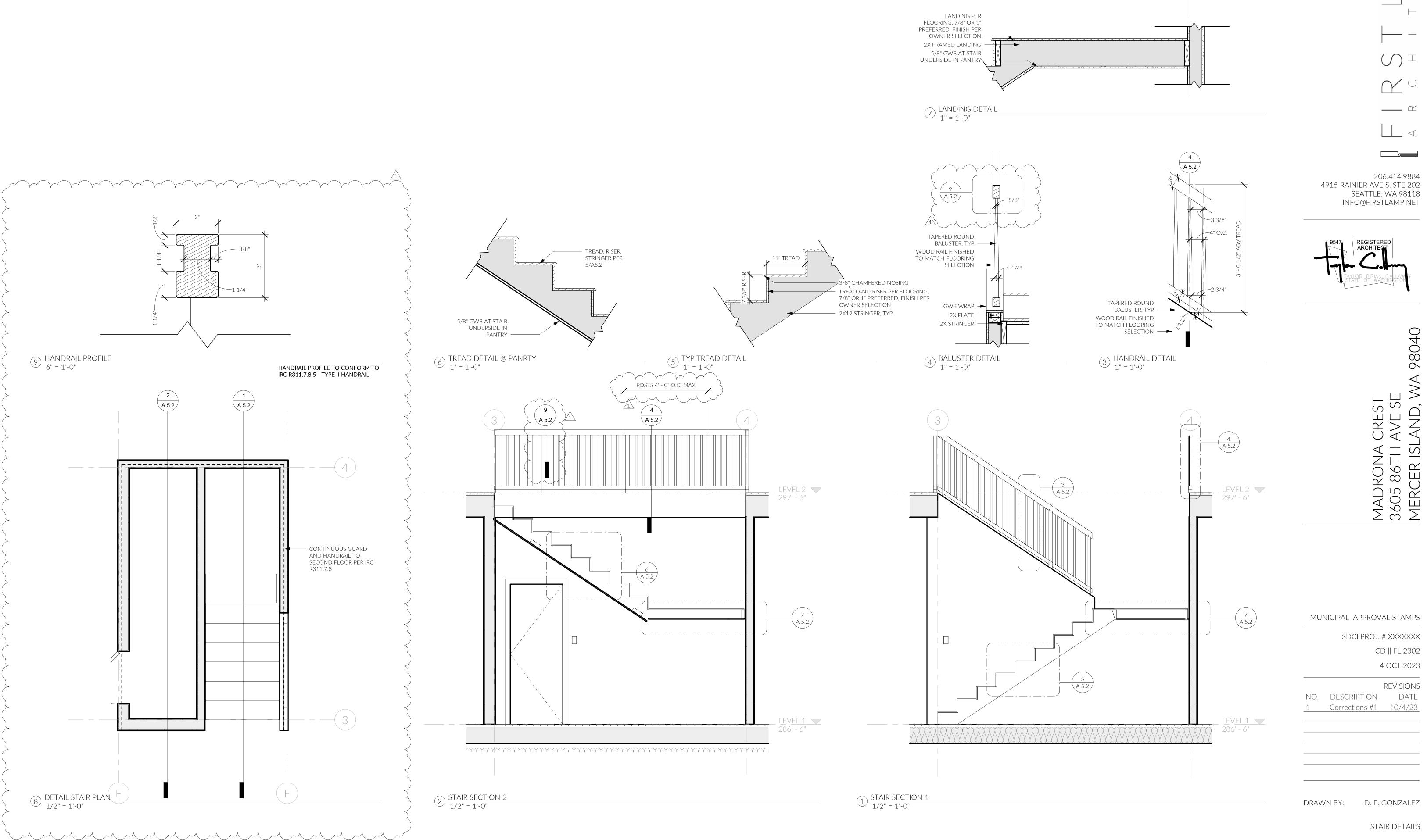
DRAWN BY: D. F. GONZALEZ

FRAMING DETAILS

- WALL ASSM PER G1.1 LAP WALL WRB O/BASE FLASHING, TYP - LAP ROOF MEMBRANE MIN 8" UP WALL STANDING SEAM MTL ROOF PER ASSM, SEE G1.1 LEDGER PER STRUCT - T&G SOFFIT PER OWNER SELECTION

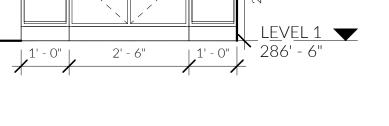
REFER TO ROOF MFR DETAILS FOR FLASHING AT HEAD WALL AND SIDEWALL CONDITIONS

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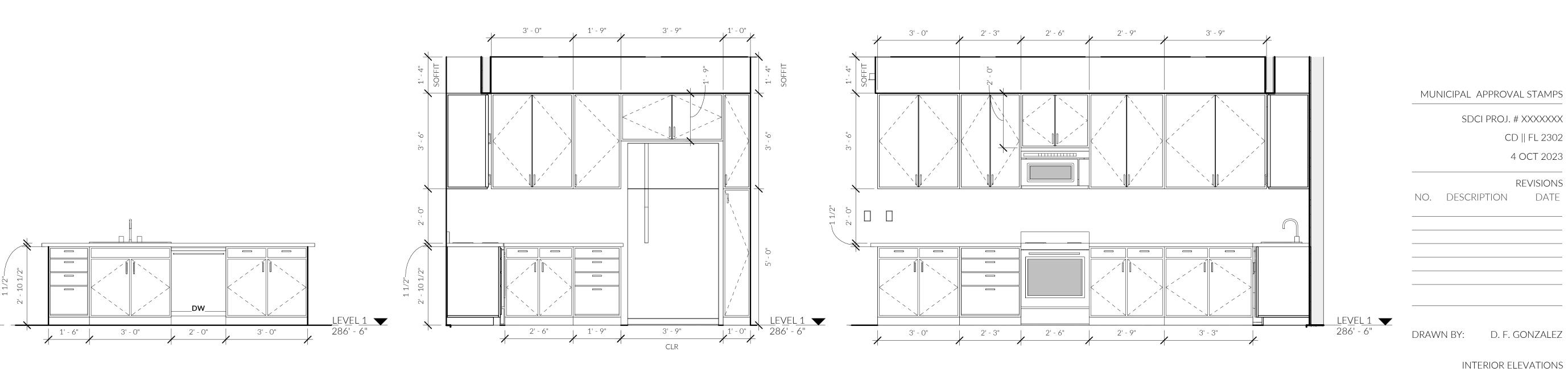


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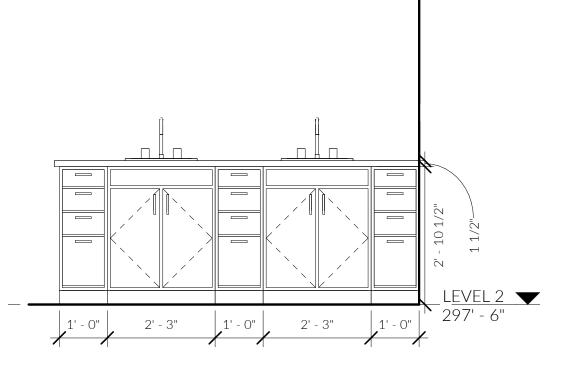


2 ISLAND ELEVATION E 1/2" = 1'-0"



 $(5) \frac{\text{M BATH ELEVATION E}}{1/2" = 1'-0"}$

8 BATH @ LV2 ELEVATION E 1/2" = 1'-0"

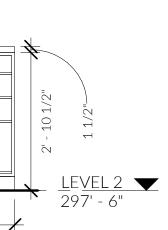


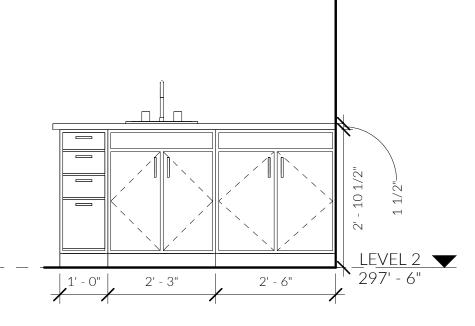
7 BATH @ BED 2 ELEVATION S 1/2" = 1'-0"	
1/2" = 1'-0"	

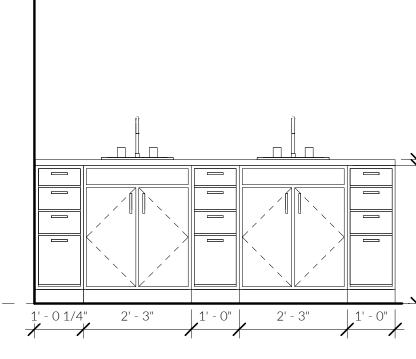


 $6 \frac{\text{LAUNDRY ELEVATION N}}{1/2" = 1'-0"}$







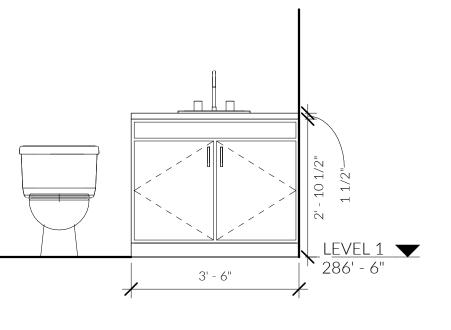


LE<u>VEL 2</u> 297' - 6"



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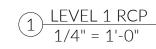
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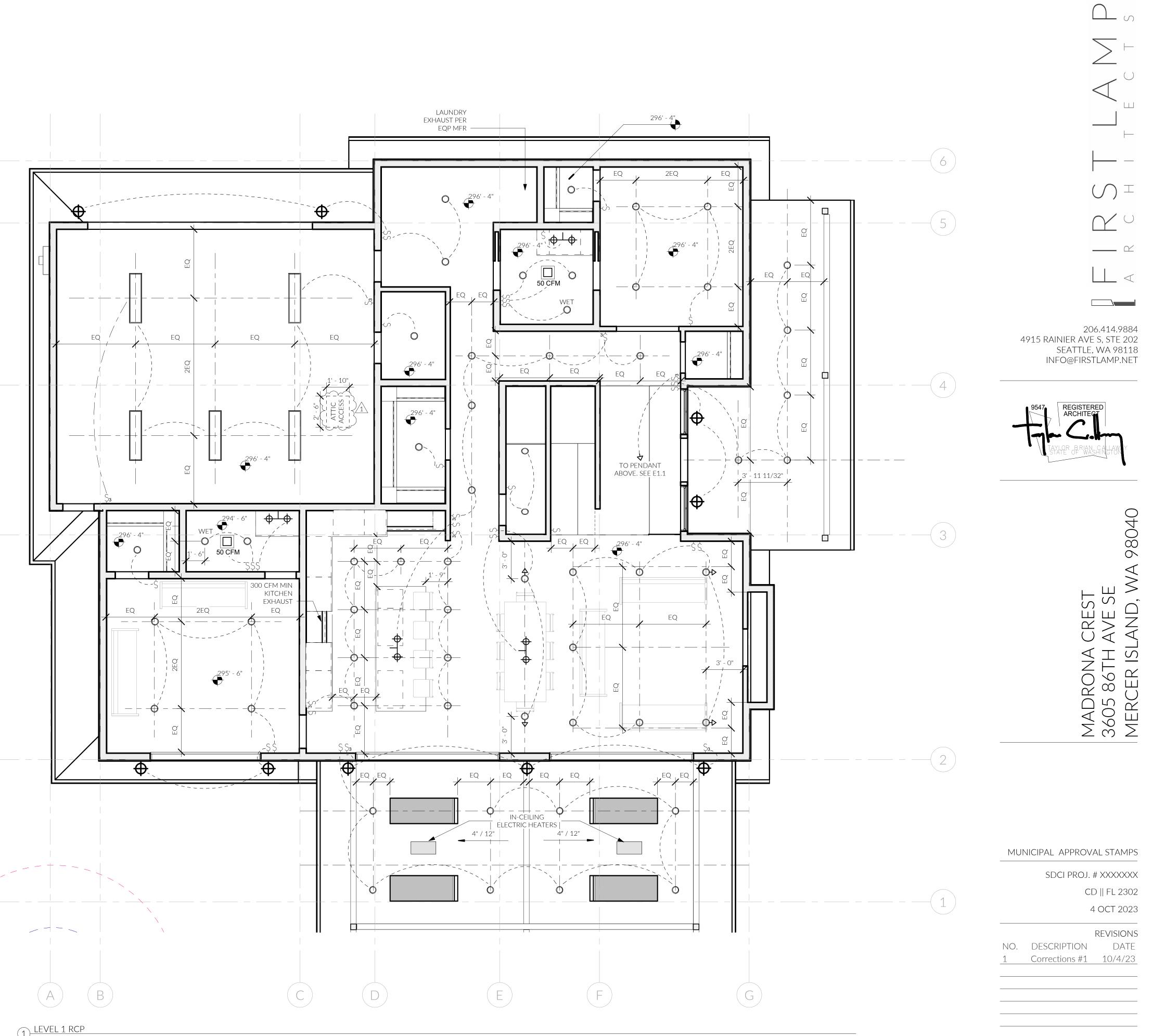




A 6.0

	LIGHTING LEGEND
	SURFACE MOUNTED 2 TUBE T-8 FLUORESCENT
	SURFACE MOUNTED 2' X 4' 4 TUBE FLUORESCENT
	6" X 2' WALL MOUNT FLUORESCENT 2 TUBE T-5
	VENT FAN
50 CFM	SMOKE DETECTOR + CARBON MONOXIDE DETECTOR
\oplus	PENDANT
\bigcirc	IN-CEILING SPEAKER, FLUSH
$\Phi^{\perp}\Phi$	VANITY SCONCE
	COVE LIGHTING
.	TRACK LIGHTING
$\Phi \Phi \Phi \Phi$	SURFACE MOUNTED FLUORESCENT
	RECESSED CAN - DIRECTIONAL
	WALL MOUNTED SCONCE
\bigcirc	6" SURFACE MOUNTED CAN
	MOTION SENSOR SECURITY LIGHT

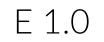




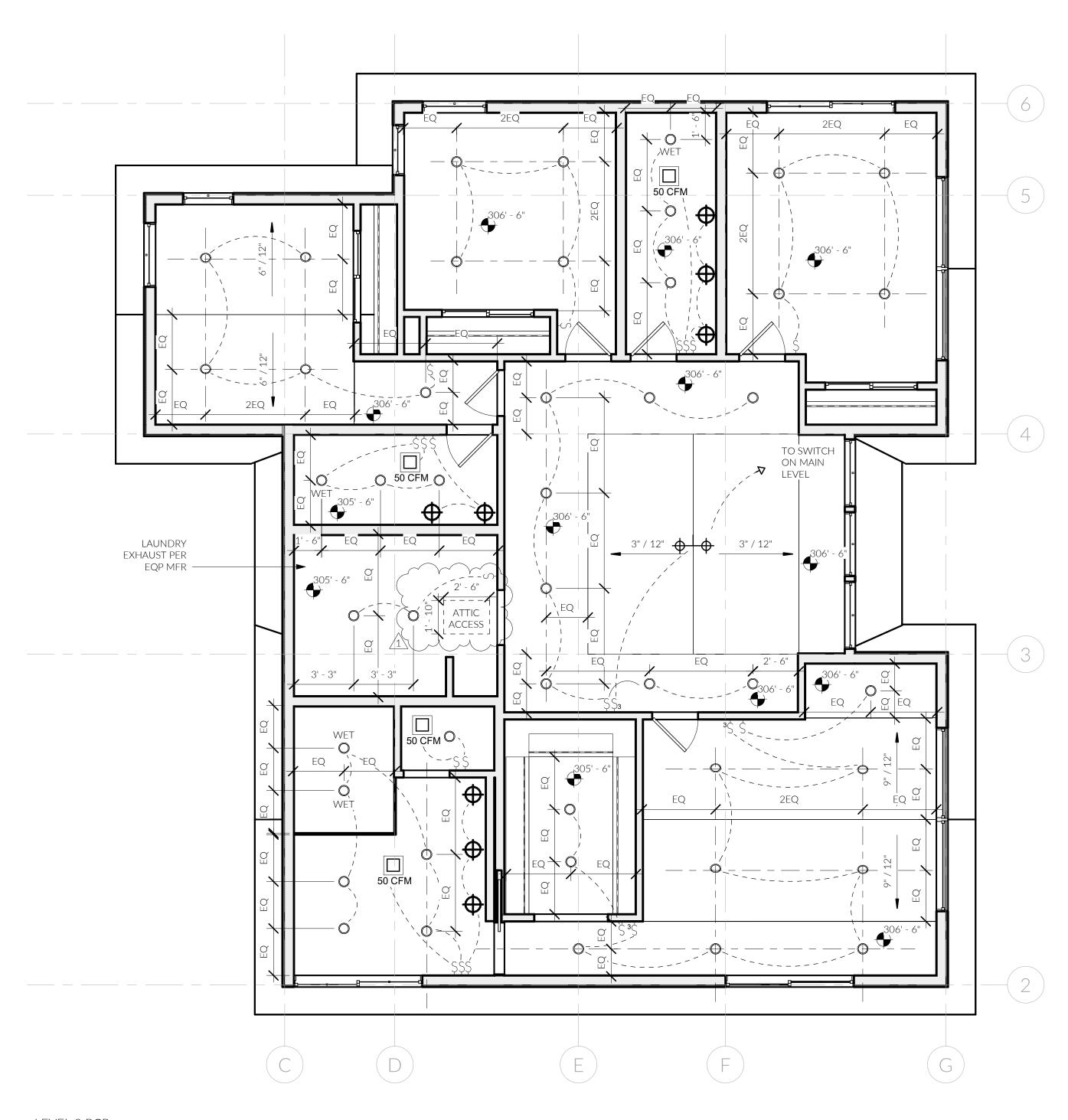
DRAWN BY: D. F. GONZALEZ

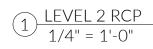
MAIN LEVEL RCP

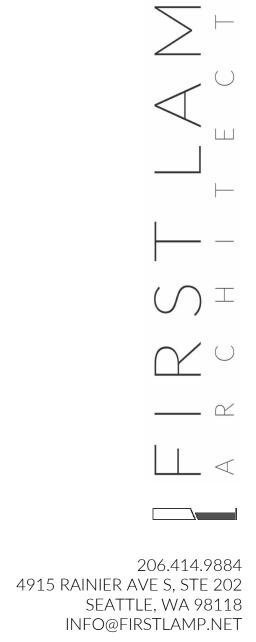




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.	TRACK LIGHTING
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	WALL MOUNTED SCONCE
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	MOTION SENSOR SECURITY LIGHT







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MUNICIPAL APPROVAL STAMPS

SDCI PROJ. # XXXXXXX CD || FL 2302 4 OCT 2023

REVISIONS NO. DESCRIPTION DATE 1 Corrections #1 10/4/23

DRAWN BY: D. F. GONZALEZ

E 1.1

UPPER LEVEL RCP



CONTINUOUSLY OPERATING LOCAL EXHAUST AND WHOLE HOUSE VENTILATION USING HEAT RECOVERY VENTILATOR (HRV) - IRC M1505.4

VENTILATION NOTES

LOCAL EXHAUST VENTILATION AIR FLOW RATE IS BASED ON CONTINUOUS OPERATION PER IRC TABLE M1505.4.3(2)
 WHOLE HOUSE VENTILATION IS PROVIDED VIA HEAT RECOVERY VENTILATOR (HRV) THAT OPERATES CONTINUOUSLY, PER SRC TABLE M1505.4.3(2)
 FRESH OUTDOOR AIR INTAKE LOCATION SHALL BE PER SRC SECTION R303.5.1. SEE ROOF PLAN A2.2.
 EXHAUST OUTLET LOCATION SHALL BE PER SRC SECTION R303.5.2 AND M1504.3. SEE ROOF PLAN A2.2.
 THE HRV SHALL OPERATE CONTINUOUSLY AT A SPEED TO PROVIDE A VENTILATION RATE OF 105 CFM PER IRC TABLE M1505.4.3(1).

6. KITCHEN RANGE EXHAUST AND DRYER EXHAUST ARE DUCTED AND <u>VENTED</u> SEPARATELY FROM HRV.
7. ALL SUPPLY DUCTS TO HAVE R4 INSULATION MINIMUM AFTER EXITING THE HRV.

8. INSTALLATION OF HRV AND CONTROLS TO COMPLY WITH IRC M1505.4.2.3.

DUCTING

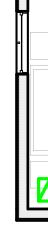
SUPPLY, FROM OUTDOOR TO HRV6" ROUNDSUPPLY, FROM HRV TO BLDG.6" ROUND EXHAUST, FROM BLDG. TO HRV 6" ROUND EXHAUST, HRV TO OUTDOOR 6" ROUND PER MFR SPECS, 1/2" (2) MERV 7/8 (CLASS G4) DRAIN CONN, HRV TO DRAIN FILTERS, F1 & F2

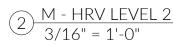
EQUIPMENT SCHEDULE

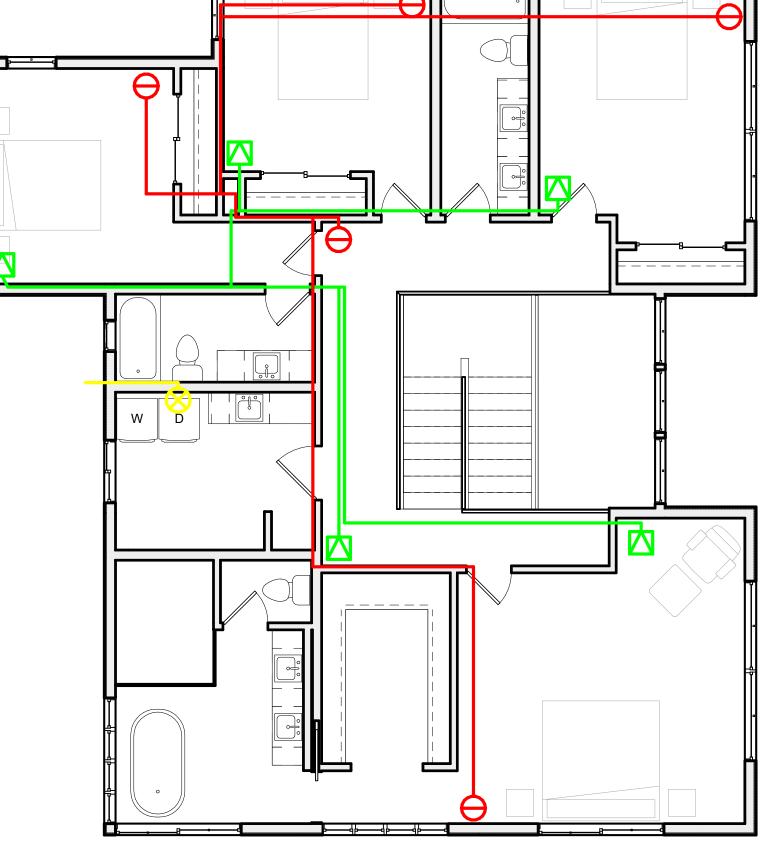
MAKE:	ZEHNDER
MODEL:	COMFOAIR 350 (CA350)
MIN FLOW:	29 CFM @ 0.8" WC
MAX. FLOW:	218 CFM @ 0.8" WC
MAX. TEMP. RECOVERY:	84%
OPER. MODES:	INTERMITTENT / CONTINUOUS

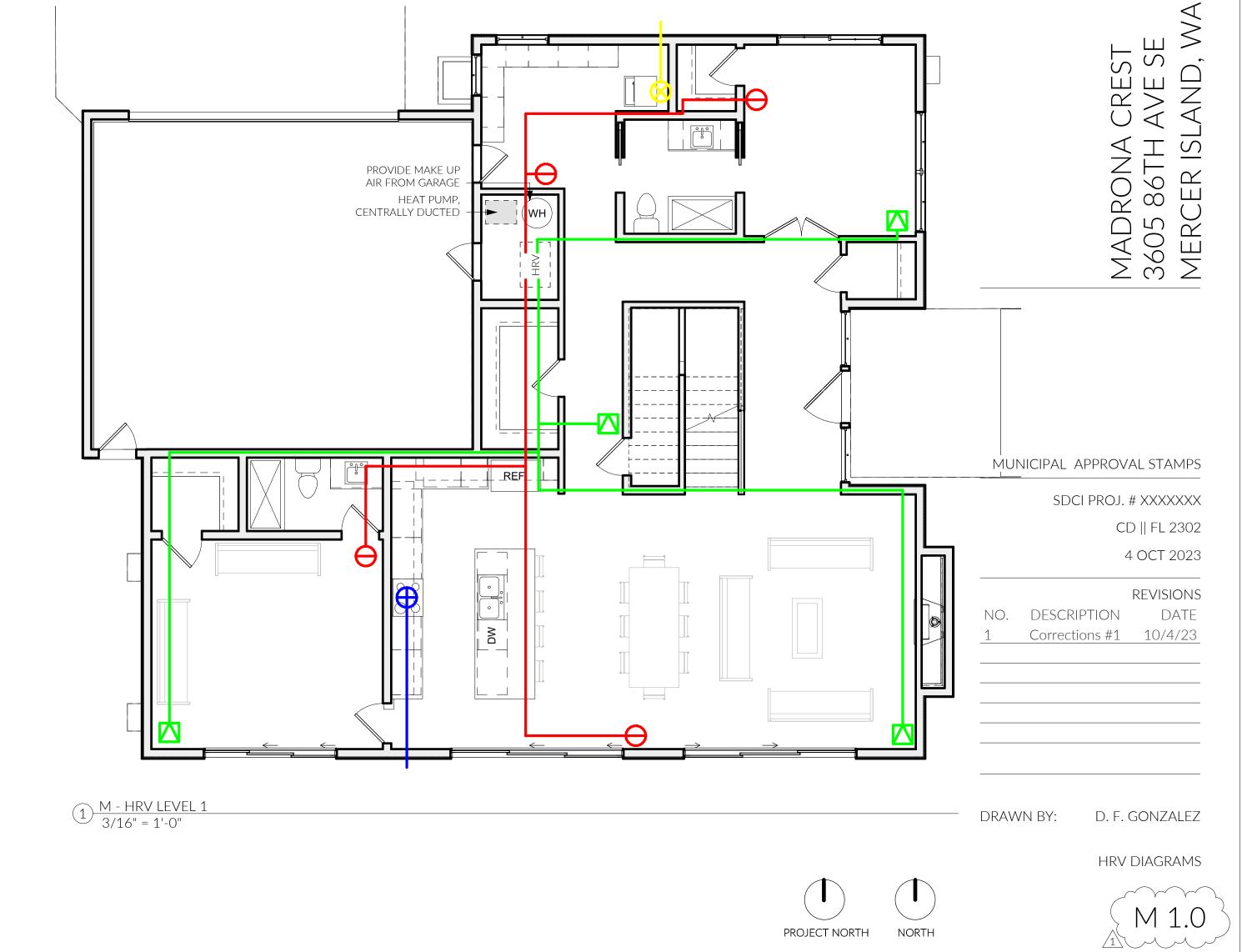
SUPPLY / EXHAUST

\oplus	300 CFM I	MIN.	INTERMITT	ENT - KITCHEN	EXHAUST
θ	20 CFM		CONTINUC	DUS	EXHAUST
\otimes	PER MFR.		INTERMITT	ENT - DRYER	EXHAUST
\square	20 CFM		CONTINUC	DUS	SUPPLY
		EXHAUST DUCTING	g RUNS		RANGE HOOD DUCTING RUNS
		INTAKE / SUPPLY D	UCTING RUN	1S	DRYER DUCTING RUNS



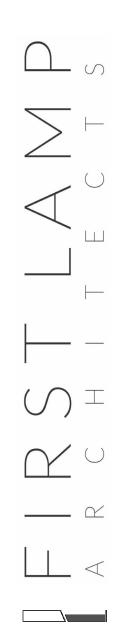






98040

206.414.9884 4915 RAINIER AVE S, STE 202 SEATTLE, WA 98118 INFO@FIRSTLAMP.NET



General Requirements				
All materials, workmanship, design and construction shall conf (IBC) and local jurisdiction amendments.	form to the 2018 International Building Code			
Definitions: The following definitions are used throughout thes IBC - Governing code including local amendments SER - Structural Engineer of Record per these Contract Docum UNO - Unless otherwise noted				
Drawings indicate general and typical details of construction. Typical details and general notes shall apply even if not specifically denoted on plans, UNO. Where conditions are not specifically indicated similar details of construction shall be used, subject to review and approval by the Architect and the SER.				
Reference to ASTM and other standards shall refer to the latest edition designated by IBC Chapter 35. Refer to the specifications for information in addition to that covered by these structural notes and drawings.				
Warranty: The SER has used that degree of care and skill ordinarily exercised under similar circumstances by members of the profession in this locale and no other warranty, either expressed or implied, is made in connection with rendering professional services.				
Design Criteria				
BUILDING CATEGORY: Structural Occupancy Category II (Importance factors listed below)				
LIVE LOADS:				
Roof; Snow load, Pf = 25 psf				
Uninhabitable attics with storage Habitable attics and sleeping areas Residential floor	10 psf 20 psf 30 psf 40 psf 60 psf			

LATERAL LOADS-WIND: per ASCE 7-16 Simplified Wind Load Design Iw = 1.0; Kzt = 1.30; Crsm < 0.66 (MWFRS); V = 16.7 kips Numbering below is per IBC Section 1603.1.4: 1. Basic Wind Speed (3-second gust) = 110 mph Importance Factor = 1.0 3. Exposure = B 4. Internal pressure coefficient = +/-0.185. Components and Cladding: The following working loads may be used in lieu of calculations: (Uplift at roof) Zones 1, 2e, 2r; 22.9 psf 100 sg. ft. Zones 2n, 3r; 26.6 psf Zone 3e; 32.3 psf 27.7 psf 20 sq. ft. Zones 2n, 3r; Zone 3e; 31.1 psf 16.7 psf Zone 5; 20.1 psf 20 sq. ft. LATERAL LOADS-EARTHQUAKE: Numbering below is per IBC Section 1603.1.5: 1. Importance Factor = 1.0 Mapped Spectral Response Accelerations, Ss = 1.405 g; S1 = 0.489 g Site Class = D ; Fa = 1.200, Fv = 1.811 4. Spectral Response Coefficients, Sds = 1.124 g, Sd1 = 0.590 g Seismic Design Category = D Basic Seismic Force Resisting System is: Vertical Elements = Wood Structural Panel Shear Walls Diaphragms = Wood Structural Panel Diaphragms Design Base Shear = 14.0 kips Seismic Response Coefficient Cs = 0.173 9. Response Modification Factor R = 6.510. Analysis Procedure = Equivalent Lateral Force Procedure Additional Items:

Contractor Execution Requirements

Building Location 47.578 N, 122.224 W

= 25 feet

North/South Direction = 1.0 East/West Direction = 1.0

Building Height

Redundancy Factors:

Contractor shall verify all dimensions and all conditions at the job site, including building and site conditions before commencing work, and be responsible for same. All discrepancies shall be reported to the Architect/SER before proceeding with work. Any errors, ambiguities and/or omissions in the contract documents shall be reported to the Architect/SER immediately, in writing. No work is to be started before correction is made.

·····

Contractor shall coordinate all dimensioned openings and slab edges shown on the contract documents. Some dimensions, openings and embedded items are shown on the structural drawings, others may be required. Refer to architectural drawings for all dimensions, wall and floor openings, architectural treatment, embeds required for architectural items, etc. Refer to mechanical, plumbing, electrical, fire protection and civil drawings for size and location of all openings for ducts, piping, conduits, etc.

Do not scale drawings. Use only field verified dimensions. When electronic plan files are provided for the contractor's detailing convenience, it shall be noted that the electronic files are not guaranteed to be dimensionally accurate; the contractor uses them at their own risk. The published paper documents are the controlling Contract Documents. Electronic files of detail sheets and notes will not be provided.

Contract Documents and any materials used in preparation of them, including calculations, are the exclusive property of the SER and can be reproduced only with the permission of the SER.

Contractor initiated changes shall be submitted in writing to the Architect/SER for review and acceptance prior to fabrication/construction. Changes shown on shop drawings only will not satisfy this requirement.

The contractor shall provide temporary bracing as required until all permanent connections have been installed. The contractor is responsible for the strength and stability of all partially completed structures including but not limited to concrete or masonry walls, steel framing and erection aids. The contractor shall be responsible for all required safety standards, safety precautions and the methods, techniques, sequences or procedures required in performing his work. The contractor shall coordinate with the building department for all building department required inspections.

Special Inspections

The owner shall retain a Special Inspector to perform the special inspection requirements required by the building official as outlined in IBC Section 1704. See the specifications for additional requirements for special inspection and testing. The architect, structural engineer, and building department shall be furnished with copies of all inspection reports and test results.

GENERAL STRUCTURAL NOTES (TYPICAL UNLESS NOTED OTHERWISE ON DRAWINGS)

The following inspections are required and shall be performed per the building code: Special cases (1704.13): See Special Inspection Requirements Anchorage for additional requirements.

Inspection

The building official, upon notification, shall make structural inspections as required by local ordinance. The inspection by the building official per IBC Section 109 will be separate from and in addition to the special inspection and structural observation mentioned subsequently.

Shop Drawing & Submittal Review

The contractor shall review and stamp the shop drawings & submittals for review. SER will only review submittals for items shown on SER documents. Submittals for Deferred Structural Components will receive cursory review by SER for loads imposed on primary structure. SER will review shop drawings for general conformance with design concept of the project and general compliance with the information given in the Structural Contract Documents. Review of submittals does not constitute approval or acceptance of unauthorized deviation from Contract Documents.

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Corrections or comments made on shop drawings during this review do not relieve contractor from compliance with the requirements of the plans and specifications.

Contractor responsible for:

- * Timing submittals to allow 10 days of review time for the SER and time for corrections and resubmittal
- * Conformance to requirements of the Contract Documents
- * Dimensions and quantities
- * Verifying information to be confirmed or coordinated
- * Coordination of all trades

Resubmittals shall be clouded and dated for all changes to the submittal. Only clouded portions of resubmittal will be reviewed and SER's review stamp applies to only these areas.

Substitutions shall be submitted in writing prior to submittal of shop drawings. Shop drawings bearing substitutions will be rejected. Submit engineering data to substantiate the equivalence of the proposed items. The SER's basic services contract does not include review of substitutions that require re-engineering of the item or adjacent structure. Nor does the SER's contract cover excessive review of proposed substitutions. The fees for making these reviews and/or redesign shall be paid by the contractor. Reviews and approvals shall not be made until authorization is received.

Shop drawings and material submittals shall be submitted to the Architect and SER prior to any fabrication or construction for the following structural items. Submittals shall include one reproducible and one copy; reproducible will be marked and returned. If deviations, discrepancies, or conflicts between shop drawings submittals and the contract documents are discovered either prior to or after shop drawing submittals are processed by the SER, the Contract Documents control and shall be followed.

* Engineered wood beams (certificates to be on-site and available upon request) * I-joist and engineered wood beam floor framing layout & materials list * Deferred Structural Components (see below)

Deferred Structural Components

These elements have not been permitted under the base building application. The contractor will be required to submit the component system documents to the building official for approval. The documents shall be stamped and signed by an engineer licensed by the state where the project is located. The deferred structural components shall not be installed until the design and submittal documents have been approved by the building official.

Prior to building department submittal, the deferred structural components submittals shall receive cursory review by SER for loads imposed on primary structure and general conformance with design concept of the project and general compliance with the information given in the Structural Contract Documents. Review of submittals does not constitute approval or acceptance of unauthorized deviation from Contract Documents. Submittals of contractor-designed components shall include the designing professional engineer's stamp and signature, as noted above. The submittal shall be approved by the component vendor prior to review by the SER. The designing professional is responsible for code conformance and all necessary connections not specifically called out on architectural or structural contract documents.

Submittals shall include details of connections to primary structure that indicate magnitude and direction of all loads imposed at point of connection. Design criteria shall be provided with submittal and calculations shall be made available upon request.

The following list includes the items that are defined as Deferred Structural Components. Refer to other discipline's contract documents for additional deferred components that may require structural design and details. Connections of these elements shall not induce torsion on structural members. Deferred Structural Components shall be manufactured, delivered, handled, stored, and field erected in conformance with instructions prepared by the component vendor.

Deferred structural components: Pre-manufactured wood trusses

Geotechnical

General Criteria Allowable soil pressure and lateral earth pressure are assumed and therefore must be verified by a Geotechnical Inspector or the building official. If soils are found to be other than assumed, notify the structural engineer for possible foundation redesign.

All prepared soil-bearing surfaces shall be inspected by the owners Geotechnical Inspector (or building official) prior to placement of reinforcing steel and concrete. Inspections shall be made per IBC Table 1705.6.

Unless otherwise noted, footings shall be centered below columns or walls.

Bearing Values Allowable soil pressure = 2,000 psf

All footings shall bear on undisturbed soil and shall be lowered to firm bearing if suitable soil is not found at elevations shown. Exterior footings shall bear a minimum of 12" below the finished ground surface. Footing elevations shown on plans (or in details) are minimum depths and for guidance only; the actual elevations of footings must be established by the contractor in the field working with the Geotechnical Inspector.

* Reviewing, approving, stamping and signing submittals prior to submittal to Architect and SER

* Information solely for fabrication, safety, means, methods, techniques and sequences of construction

Subgrade Preparation

Prepare subgrade summarized as follows: All footings shall be cast on undisturbed firm natural soils that are free of organic materials. Footing excavation shall be free of loose soils, sloughs, debris and free of water at all times. If organic silt and/or fill material is encountered at subgrade elevations, over-excavate a minimum of 2'-0" below the design foundation subgrade elevation prior to placing footings. The over-excavated areas shall be backfilled with structural fill compacted to 95% proctor per ASTM D-1557 or a lean concrete mix.

Drainage systems, including foundation, roof and surface drains, shall be installed as directed by the Geotechnical Report and IBC Section 1807. Vapor retarder placed below slab on grade shall conform to ASTM E 1643 and ASTM E 745.

Retaining Walls

Grade on either side of concrete walls shall not vary by more than 12", UNO. Slope of backfill shall not exceed 2H to 1V, UNO. Backfill behind all retaining walls with free draining, granular fill. Provide for subsurface drainage. Design pressures used for the design of retaining walls are based on drained conditions.

Active earth pressure (restrained/unrestrained) = 55/35 pcf Passive equivalent pressure (factor of safety of 1.5 included) = 300 pcf Coefficient of friction (factor of safety of 1.5 included) = 0.35

Provide temporary shoring for tops of walls if backfill is placed prior to the supporting structure being constructed. Supporting structure is the floor framing and sheathing completely installed and attached to perpendicular walls.

Existing Utilities

The contractor shall determine the location of all adjacent underground utilities prior to any excavation, shoring, pile driving, or pier drilling. Any utility information shown on the plans and details are approximate and not verified by the SER. Contractor is to provide protection of any utilities or underground structures during construction.

Concrete

Cast-in-Place Concrete Concrete materials shall conform to the following:

Portland cement: Type 1, ASTM C150

Fly ash (if used): ASTM C618 class F or C, quantity less than (by weight) 25% of cement content, and maximum loss on ignition = 1%

Lightweight aggregates: shall not be used without prior approval of SER and building department Normal weight aggregates: ASTM C33 Sand equivalent: ASTM C33

Water: Potable per ASTM C94

Air entraining admixtures: ASTM C260

Chemical admixtures: ASTM C494 Flowable concrete admixtures: ASTM C1017

Durability requirements of concrete mixes shall conform to building code. These requirements include water-cementitious material ratios, minimum compressive strengths, air entrainment, type of cement, and maximum chloride ion content.

Concrete strength requirements: Strength at 28 days and normal weight concrete, UNO.

	Strength	Max. Aggr.	Max. W/C ratio
Location	<u>f'c (psi)</u>	<u>size (inch)</u>	or min cement *
Lean mix soil replacement under fdns	1,500	sand	1-1/2 sack cement
Foundations, grade beams, stem walls	3,000**	1"	per design
Slab on grade, topping slab, stair tread	3,000**	3/4"	0.42 (.45)

** Design strength shown is for weathering purposes only; 2,500 psi strength was used for purposes of structural design. Mixes shall be proportioned to accommodate placement. Slump, W/C ratio, admixtures and aggregate size will be determined by the contractor in accordance with ACI. Mixes will be approved by one of the following criteria.

Mix carries continuous approval from City of Seattle. Mix design is submitted in accordance with ACI 318 Section 5.3. Mix design is submitted in accordance with ACI 318 Section 5.4.

Admixtures: all concrete, including slab on ground, shall contain an acceptable water-reducing admixture conforming to ASTM C494 and be used in strict accordance with the manufacturer's recommendations.

All concrete which is exposed to freezing and thawing in a moist condition or exposed to deicing chemicals shall contain an air entraining agent, conforming to ASTM C260. The amount of entrained air shall be 5% +/- 1% by volume. Air % is based on 3/4" coarse aggregate; adjust air % per ACI 318 for other coarse aggregate sizes. Air-entrainment shall not be used at slabs that will receive a smooth, dense, hard-troweled finish.

Trucks hauling plant-mixed concrete shall arrive on-site with a field ticket indicating the maximum gallons of water that can be added at the site not to exceed the total water content in the approved mix design.

Concrete shall be deposited as nearly as practicable in its final position to avoid segregation due to rehandling or flowing. Concrete shall be thoroughly consolidated by suitable means during placement and shall be thoroughly worked around reinforcement, embedded items, and into corners of forms.

Formwork and Accessories

Concrete construction shall conform to ACI 301 "Specifications for Structural Concrete" and the Building Code, including testing procedures. See specifications and/or architectural documents for formwork requirements. Installation shall adhere to ACI 301. Conduits and pipes of aluminum shall not be embedded in concrete construction.

See architectural drawings for exact locations and dimensions of door and window openings in all concrete walls and for all grooves, notches, chamfers, feature strips, color, texture, and other finish details at all exposed concrete surfaces. See mechanical drawings for size and location of mechanical openings through concrete walls. Concrete accessories and embedded items shall be coordinated with Architectural and all other Contract Documents and suppliers' drawings before placing concrete. Anchor rods, reinforcing, hardware, etc. shall be firmly tied in place prior to concrete placement; wet-setting of these items are not permitted in concrete.

Construction Joints

Contractor shall submit the proposed locations of construction joints to the Architect for acceptance before starting construction. All construction joints in walls and footings shall be keyed with 1-1/2" thick x 6" long x 3-1/2" wide keys placed in alternate reinforcing spaces. All construction, control, and isolation joints for slabs on ground shall be in accordance with the typical slab on ground details.

Styrofoam or Rigid Foam specified on the drawings for filling voids shall be as manufactured by the Dow Chemical Company (NER-699) or approved equal and shall be installed in strict accordance with the manufacturer's recommendations.

Refer to Architectural and/or Civil documents for waterstops, dampproofing & soil retaining wall drainage requirements at concrete and at joints (construction joints, slab to wall joints, curb to slab joints, etc).

Curing and Finishes Protect and cure freshly placed concrete per ACI 305 in hot conditions, ACI 306 in cold conditions, and ACI 308 "standard specification for curing concrete". All exposed edges and corners shall have 3/4" chamfer, UNO. Concrete flatwork shall be sloped to provide positive drainage. Coordinate finish with architectural contract documents.

At the time of application of finish materials or special treatment to concrete, moisture content of concrete shall conform to requirements in finish material specifications. Where vapor sensitive coverings are to be placed on slabs on grade, conform strictly to slab covering manufacturer's recommendations regarding vapor retarder and granular fill requirements below the slab.

Wall th 6" or 8" or 10" oi

Concrete protection; provide edge cover as follows. When a thickness of cover required for fire protection is greater than that specified in this section, such greater thickness shall be used:

Concrete Crack Maintenance Cracking occurs in concrete structures due to inherent shrinkage, creep, and the restraining effects of walls and other structural elements. Most cracking due to shrinkage and creep will likely occur over the first two years of the life of the structure; further concrete movement due to variations in temperature may persist. Cracks that result in water penetration will need to be repaired to protect reinforcing. Other cracking may be repaired at the owner's discretion for aesthetical reasons or performance of applied finishes. Prior to repairing cracks, a structural engineer should be consulted to provide direction on which cracks to repair and on whether observed cracks may affect the strength of the structure.

Reinforcement in Concrete

Reinforcing steel shall conform to ASTM A615 (including supplement S1), Grade 60, Fy = 60,000 psi, except any bars specifically so noted on the drawings shall be Grade 40, Fy = 40,000 psi.

Reinforcing steel shall be detailed (including hooks and bends) in accordance with ACI 315 "Details and Detailing of Concrete Reinforcement". Lap all reinforcing by 40 bar diameters. Provide corner bars at all wall and footing intersections.

Reinforcing steel shall be adequately supported to prevent displacement during concrete and grout placement. Bars shall be bent cold. Bars partially embedded in concrete shall not be field bent, unless specifically so detailed or approved by the SER. Welding or tack welding of reinforcing bars to other bars or to plates, angles, etc, is prohibited, except where specifically approved by the SER.

Anchorage

noted on the plans.

Epoxy-Grouted Items Epoxy-Grouted Items (threaded rods or reinforcing bar) specified on the drawings shall be installed using "SET-XP" high strength epoxy as manufactured by the Simpson Strong Tie Company. Install in strict accordance with I.C.C. Report No. ESR 2508. Special inspection of installation is required. Rods shall be ASTM A-307 unless otherwise noted.

Expansion Bolts Expansion bolts into concrete and concrete masonry units shall be "Strong Bolt" as manufactured by the Simpson Strong Tie Company, installed in strict accordance with I.C.C. Report No. ESR-1771, including minimum embedment requirements. Bolts into concrete masonry or brick masonry units shall be into fully grouted cells. Substitutes proposed by contractor shall be submitted for review with ICC reports indicating equivalent or greater load capacities. Special inspection is required for all expansion bolt installation.

S1.0
S1.1
S2.0
S2.1
S2.2
S3.0
S3.1
S3.2

Reinforcing in Cast-in-Place Walls

See Reinforcement General Notes for more information. Uppermost and lowermost horizontal reinforcing in walls shall be placed within 1/2 of specified spacing from the top and bottom of the wall.

Concrete wall reinforcing - typical UNO:

Vall thickness	horizontal bars	vertical bars	location
6" or less	#4 @ 16"oc	#4 @ 16"oc	@ cl of wall
8" or less	#4 @ 12"oc	#4 @ 12"oc	@ cl of wall
10" or less	#4 @ 16"oc	#4 @ 16"oc	(2) layers, (1) at each face
12" or less	#4 @ 12"oc	#4 @ 12"oc	each face

• Unformed surfaces cast against and permanently exposed to earth = 3" • Formed surfaces exposed to earth or weather: #6 bars or larger = 2"; #5 bars or smaller = 1-1/2"• Clear spacing between 2 or more parallel layers = 1"

Welded Wire Reinforcing (WWR) shall conform to ASTM A185. Lap splice adjacent mats of welded wire fabric a minimum of 8" at sides and ends. In equipment pads, use minimum WWR 6x6-W2.1xW2.1, UNO.

Post installed anchors shall not be installed without prior approval of engineer of record unless otherwise

General Structural Notes General Structural Notes and Schedules Foundation & Main Level Framing Plan Upper Level Framing Plan Roof Framing Plan Structural Details

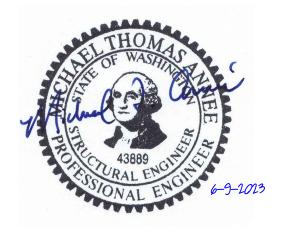
Structural Details

- Structural Details

SHEET INDEX



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Revision Issue Date Drawing Set

6/9/2023 Permit Set

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9/21/2023 Review Corrections

General Structural Notes

S1.0

Wood

Material Criteria

Framing lumber shall be kiln dried or mc-19 (unless more stringent criteria are required in these notes or on the drawings) and graded and marked in conformance with the latest WCLIB standard grading rules for west coast lumber no. 17. Furnish to the following minimum standards:

4x beams & posts 6x beams & posts 4x treated beams & posts, 6x treated posts 2x joists, rafters, built-up beams, headers 2x, 3x flatwise & edgewise blocking 2x4, 2x6 studs 2x4 plates 2x6 plates	DF #2 DF #1 HF kdat #2 HF #2 HF standard HF kd stud HF kd15 standard HF kd15 #2
2x, 3x, 4x treated plates/ledgers	HF kdat #2

Moisture Content and Care of Material During Construction All 2x studs and plates shall be kiln dried. The Contractor shall take measures to minimize exposure of sawn lumber and engineered wood products to moisture during construction. Excessive changes in moisture content during construction may result in swelling and shrinkage of a single story level in the magnitude of 1/2".

Wood Structural Panels

Wood structural panels shall be APA rated sheathing. Plywood shall be grade C-D or Structural II, exterior glue, exposure 1 durability classification, in conformance with USDOC PS 1 or PS 2, ASTM D 5457 and IBC 2304.7 and table 2304.7(2). Oriented strand board (OSB), shall be in accordance with USDOC PS 2, and of equivalent thickness, exposure rating and span rating and may be used in lieu of plywood pending OSB substitution approval by Architect. See plans for thickness, panel identification index and nailing requirements. Unless otherwise noted on plans:

Roof sheathing shall be 15/32" with span rating 32/16 Floor sheathing shall be 23/32" with span rating 48/24 Wall sheathing shall be 15/32" with span rating 24/0

Glu Laminated Material

Glu laminated members shall be fabricated in conformance with AITC 117 and APA-EWS Y117, Stress Class 24F-1.8E. Each member shall bear an AITC identification mark and shall be accompanied by an AITC certificate of conformance. Certificates of conformance must be made available to building inspectors. City inspection is required prior to covering glued laminated members. All simple span beams shall be douglas fir combination 24F-V4, fb = 2,400 psi, fv = 265 psi and all cantilevered beams and columns shall be douglas fir combination 24F-V8, fb = 2,400 psi, fv = 265 psi unless otherwise noted. Camber all simple span glu laminated beams to a 3,500' radius or zero camber, unless shown otherwise.

Structural Composite Lumber

Manufactured lumber, PSL, LVL, and LSL, shall be manufactured under a process approved by the national research board. Each piece shall bear a stamp or stamps noting the name and plant number of the manufacturer, the grade, the national research board number, and the quality control agency. All PSL, LVL and LSL lumber shall be manufactured in accordance ICC Report ESR-1387. LVL lumber shall be manufactured using veneer glued with a waterproof the requirements of ASTM D2559 with all grain parallel with the length of the member. The members shall have the following minimum properties:

PSL (2.2E)	Beams	Fb = 2,900 psi,	E = 2,200 ksi,	Fv = 290 psi
LVL (2.0E)	Beams	Fb = 2,600 psi,	E = 2,000 ksi,	Fv = 285 psi
LSL (1.55E)	Beams	Fb = 2,325 psi,	E = 1,550 ksi,	Fv = 310 psi

Design shown on plans is based on ILevel/Trus-Joist products manufactured by the Weyerhaeuser Corporation. Alternate manufacturers may be used subject to review and approval by the Architect and Structural Engineer of Record, alternate joist hangers and other hardware may be substituted for items shown provided they have ICC approval for equal or greater load capacities. All joist hangers and other hardware shall be compatible in size with members provided.

Plywood Web Joists

abricated plywood web joist design shown on plans is based on ILevel/Trus-Joist products manufactured by the Weyerhaeuser Corporation. Alternate plywood web joist manufacturers may be used provided they conform with the ICC evaluation service reports ESR-1387 and ESR-1153 and are subject to review and approval by the Architect and Structural Engineer of Record. Alternate plywood web joists must have equivalent section properties and allowable stresses to those previously specified to be considered. All permanent and temporary bridging shall be installed in conformance with manufacturer's specifications. The following deflection criteria shall be maintained with all alternates.

Floor live load deflections shall be limited to span/480 Roof total load deflections shall be limited to span/240.

Specified plywood web joists at floors have been designed for a minimum TJ-Pro rating of 40 in addition

to the maximum allowable deflections noted above.

Treated Wood All wood framing in direct contact with concrete or masonry, exposed to weather, or that rest on exterior foundation walls and are located within 8" of earth, shall be pressure-treated with an approved preservative per IBC section 2303.1.8. Cut or drilled sections of treated material shall be treated with an approved preservative per IBC section 2303.1.8. See IBC section 2304.11 for additional requirements.

Metal Products in Contact with Treated Lumber

Simpson hardware in contact with ACQ, CA, or CBA pressure-preservative treated wood shall have a Zmax finish (G185 HDG per ASTM A653) or shall be post hot-dip galvanized (per ASTM A123 for connectors and ASTM A153 for fasteners) unless otherwise noted. Exception: type 304 or 316 stainless steel connectors and fasteners are required for the following applications:

- ACQ, CA, or CBA treatments with ammonia where members are used in exterior applications. - all ACZA treatments
- retention levels greater than 0.40 pcf for ACQ, 0.41 pcf for CBA-A, or 0.21 pcf for CA-B treatments.

Stainless steel connectors require matching stainless steel fasteners. Zmax and post hot-dip galvanized connectors require fasteners galvanized per ASTM A153. Thru-bolts and anchor rods used in dry conditions shall be permitted to be of mechanically deposited zinc coated steel with coating weights in accordance with ASTM B 695, class 55 minimum. See IBC section 2304.9.5 and "framing connectors" notes on this sheet for additional requirements.

Framing Connectors

Timber connectors called out by letters and numbers shall be "strong-tie" by Simpson company, as specified in their catalog number C-C-2019. Equivalent devices by other manufacturers may be substituted, provided they have ICBO approval for equal or greater load capacities. Provide number and size of fasteners as specified by manufacturer. Connectors shall be installed in accordance with the manufacturer's recommendations. Where connector straps connect two members, place one-half of the nails or bolts in each member. All bolts in wood members shall conform to ASTM A307.Nail sizes are specified as follows. If the contractor proposes the use of alternate nails, they shall submit nail specifications to the Structural Engineer of Record (prior to construction) for review and acceptance.

Simpson hardware	typical UNO	see catalog
MSTC holdown straps over shear v	vall sheathing to studs	0.148 x 2-1/4"
hangers w/ 16d or 10d options		0.162 x 3-1/2"
floor sheathing	typical	0.113 deformed shank x 2-1/2"
roof sheathing	typical	0.131 x 2-1/2"
stud wall APA sheathing	15/32 sheathing	0.131 x 2-1/4"
member to member face nailing	typical UNO	0.131 x 3"
bottom plate to framing below		0.131 x 3-1/4"
toe nailing	typical UNO	0.131 x 3"

GENERAL STRUCTURAL NOTES (TYPICAL UNLESS NOTED OTHERWISE ON DRAWINGS)

Sheathing fasteners shall be driven so that head or crown is flush with sheathing surface. 3/8" min. edge distance shall be maintained on sheathing fasteners.

Spaced fasteners specified on the drawings shall begin at 1/2 specified spacing from the ends of the members, unless otherwise noted. Provide (2) fasteners minimum each member, typ. Anchor rods from sill plates to concrete shall begin a min. of 6" and a max. of 12" from each end of each piece of sill plate.

Thru-bolt and anchor rod holes shall be at least 1/32" but no more than 1/16" larger than bolt/rod diameter. Clearance holes for lag screw shanks shall have the same diameter as the lag shank and the same penetration depth as the length of the unthreaded shank. Lead holes for threaded portion of lag screws shall have a diameter of 55 to 60% of lag screw shank diameter and shall extend the length of the threaded portion of the lag screw.

Nails

Shall conform to the following requirements, UNO. Splitting shall be avoided at all wood fasteners:

Steel to wood or wood to wood connection bold Anchor rods (w/ threaded ends and welded nut Lag screws Wood screws

Provide washers under the heads and nuts of all bolts and lag screws bearing on wood. Unless otherwise noted, all nails shall be as called out below. Unless otherwise noted on the drawings use the following hangers:

2x or 2-2x member to flush wood beam/led 2x or 2-2x member to sill plate or steel/flush TJI member to sill plate or flush wood beam 2-TJI member to flush wood beam/ledger

2-TJI member to sill plate or steel/flush woo 4x, LSL/LVL/PSL beam to flush wood beam/

4x, LSL/LVL/PSL beam to sill plate or steel

Interior 4x or 6x post to concrete below Treated 4x/6x post to concrete below

4x or 6x post to wood beam above wood beam to wood beam that bears on po

Stair and Stair Landing Framing Requirements 4'-0" maximum width UNO

Landings: span 2x6 joists @ 16"oc in short direction of landing. At full height wood studs, provide 2x6 continuous ledger w/ (3) $0.131 \times 3-1/4$ " nails to each stud. At concrete walls, provide treated 2x6 continuous ledger w/ 5/8" diameter anchor rods @ 16"oc. Embed 5". Where landing edge is not supported by beam, full height stud wall, or full height concrete wall, provide 2x4 @ 16" cripple wall from landing edge to slab on grade below.

Stringers 9'-0" in length or less: provide 2x12 stringers at center and sides of stair. Notch to 5-1/2" minimum depth and provide HUS26 hangers to supporting beams. At center stringer, sister 2x6 ea. side of stringer and at side stringers, sister 2x6 one side of stringer. End sistered 2x6's short of hangers.

Stringers 9'-0"to 11'-6" in length: provide 1-3/4 x11-7/8 LVL 1.9E stringers at center and sides of stair. Notch to 6" minimum depth and provide HU1.81/5 hangers to supporting beams. At center stringer, sister 2x6 ea. side of stringer and at side stringers, sister 2x6 one side of stringer. End sistered 2x6's short of hangers.

Stringers 11'-6" to 14'-0" in length: provide 1-3/4 x14 LVL 1.9E stringers at center and sides of stair. Notch to 8" minimum depth and provide HU7 hangers to supporting beams. At center stringer, sister 2x8 ea. side of stringer and at side stringers, sister 2x8 one side of stringer. End sistered 2x8's short of hangers.

Where stringers bear on top of wood floor framing below, provide (2) LS70 clip at bottom of stringer. Where stringers bear on concrete slab, provide 2x treated sill plate w/ 5/8" exp. bolt at each stringer (embed 3-1/8").

Exterior stair applications shall consist of treated lumber

General Wood Framing Criteria (UNO in previous sections) All wood framing details not shown otherwise shall be constructed to the minimum standards of section 2308 of the IBC. Minimum nailing, unless otherwise noted, shall conform to table 2304.9.1 of the IBC. Unless otherwise noted, all nails shall be common. Coordinate the size and location of all openings with Mechanical and Architectural drawings. Provide washers under the heads and nuts of all bolts, anchor rods, and lag screws bearing on wood, unless otherwise noted. Installation of lag screws shall conform to NDS section 11.1.3. Bolts, anchor rods, and lag screws shall be centered in members, uno.

All structural stud walls (bearing or shear walls) shown and not otherwise noted shall be 2x4 studs @ 16"oc at interior walls and 2x6 @ 16"oc at exterior walls. See Architectural drawings for differing wall widths and for framing at nonstructural walls. Two studs minimum shall be provided at the end of all walls and at each side of all openings, and below beam bearing points. Solid blocking for 4x/6x wood posts and multi-stud posts shall be provided through intermediate levels to supports below. Provide continuous solid blocking at mid-height of all stud walls over 10'-0" in height and at mid-height of walls with sheathing on one side only (i.e. Each side of party walls).

All stud walls shall have their lower wood plates attached to wood framing below with 0.131 x 3-1/4" nails @ 8"oc or bolted to concrete with 5/8" diameter anchor rods @ 6'-0"oc for structures not exceeding 2 stories and @ 4'-0" for all other structures unless otherwise noted. Embed anchor rods 7" unless otherwise noted. Individual members of built-up posts shall be nailed to each other with 0.131 x 3" nails @ 8"oc staggered.

Refer to the plans and shear wall schedule for required sheathing and nailing. When not otherwise noted, provide gypsum wallboard on interior surfaces nailed to all studs, top and bottom plates and blocking with nails at 7" oc. Use #6 x 1-5/8" screws for 1/2" GWB and #6 x 1-7/8" screws for 5/8" GWB. Provide 15/32" APA rated sheathing on exterior surfaces nailed at all panel edges (block unsupported edges), top and bottom plates with 0.148 x 2-1/4" nails @ 6"oc and to all intermediate studs and blocking @ 12"oc. Allow 1/8" gap at all APA sheathing panel edges and ends. (see details where larger gap is required)...

At exterior walls, provide flat wise 2x6 at all door heads and window sills and heads, unless otherwise noted. (provide flat wise 2-2x6 where opening width is greater than 6'-0" and less than 9'-6", unless otherwise noted). Provide (3) 0.131 x 3" toenails each end of each 2x6 member.

Provide double joists under all parallel partitions that extend over more than half the joist length and around all openings in floors or roofs unless otherwise noted. Provide solid blocking at all bearing points.

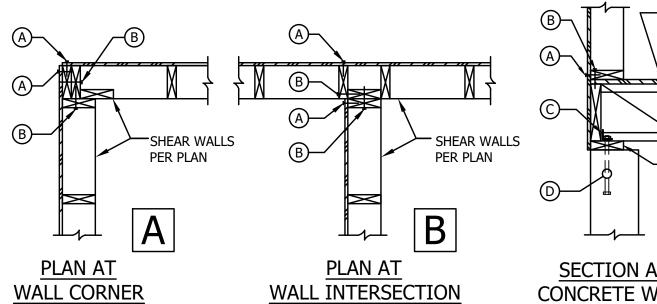
To enail joists to supports with $(3) 0.131 \times 3$ " nails. Attach timber joists to flush headers or beams with Simpson metal joist hangers in accordance with notes above. Individual members of multi-joist beams shall be nailed to each other with (2) rows of 0.131 x 3" nails @ 12"oc.

Unless otherwise noted on the plans, APA sub-flooring and roof sheathing shall be laid up with grain (strength axis) perpendicular to supports (joists, trusses, etc.) and in a staggered pattern. Nails shall be @ 6"oc to framed panel edges, @ 4"oc over shear walls and @ 12"oc to intermediate supports. See notes above for nail sizes. All sub-flooring edges shall have approved tongue-and-groove joints or shall be supported with solid blocking/framing. Plywood clips are recommended at all roof sheathing edges (solid blocking/framing is not required at panel edges unless specifically noted in the structural drawings ore required by the roofing manufacturer). Glue sub-flooring to all supports with adhesive conforming to APA spec. AFG-01 in accordance with the manufacturer's recommendations. Allow 1/8" gap at all panel edges and ends of floor and roof sheathing. Where blocked floor and roof diaphragms are indicated, provide flat 2x blocking at all unframed panel edges and nail with edge nailing specified.

olts	ASTM A307	
ut at end)	ASTM F1554 grade 36 (typical UNO)	
	NDS section 11.1.3	
	NDS section 11.1.4	
	NDS section 11.1.5	

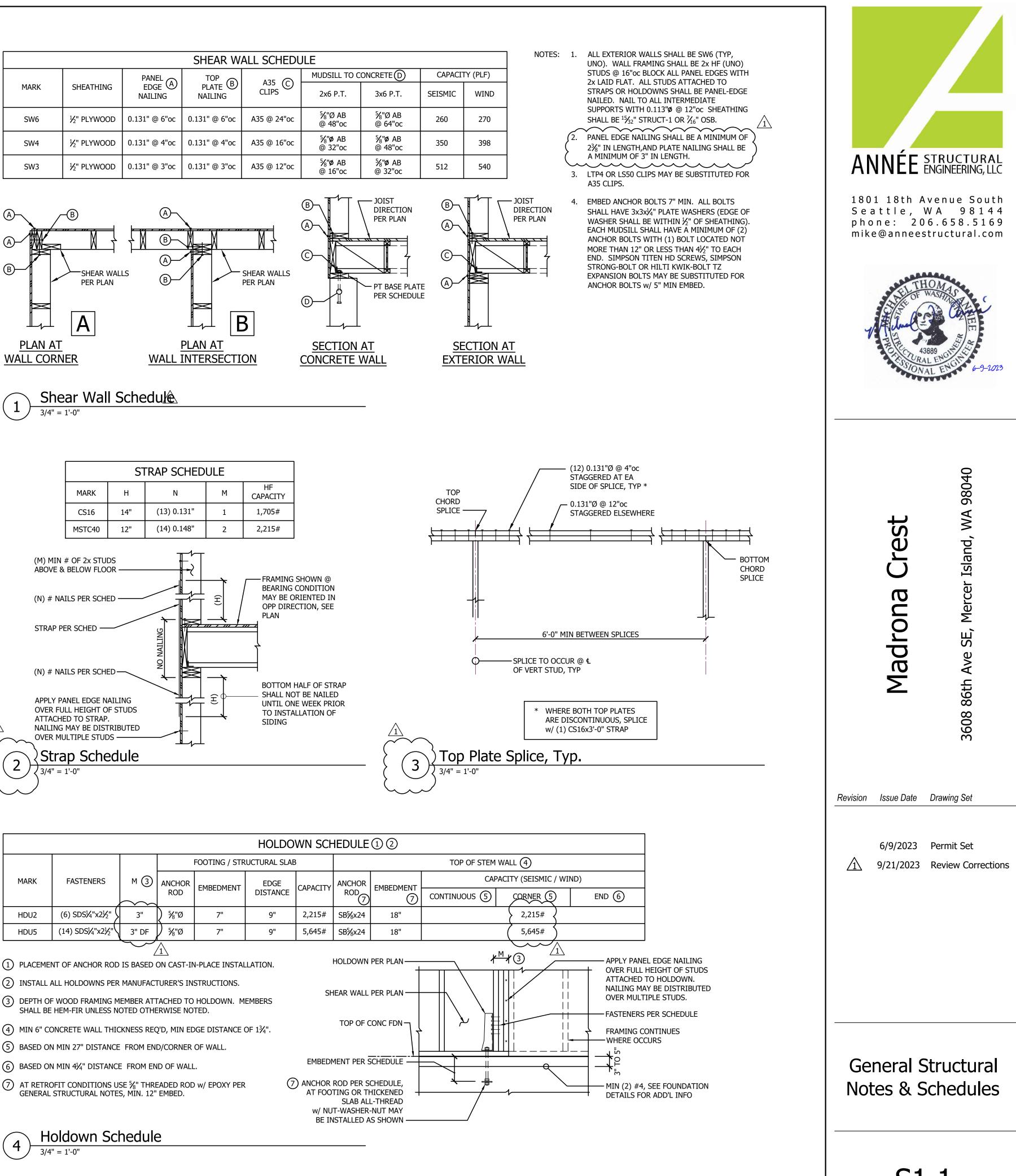
dger	LUS (LUS z)
sh wood beam	B (B hdg)
m/ledger	IUS or ITS
	MIU (HUS z)
ood beam	MIT (LBY z)
n/ledger	MIU max (HHUS z)
beam	HWU (HWU hdg)
	ABU w/ 5/8" dia. anchor rod w/ 7" embed
	CBSQ-HDG
	PC/EPC (PC/PCE zmax)
ost	HUCTF

		SHEAR WALL SCHEDULE							
	MARK	PANEL	PANEL EDGE	TOP	A35 C CLIPS	MUDSILL TO C	ONCRETED	CAPA	
		SHEATHING	EDGE (A) NAILING	PLATE B NAILING		2x6 P.T.	3x6 P.T.	SEISMIC	
	SW6	½" PLYWOOD	0.131" @ 6"oc	0.131" @ 6"oc	A35 @ 24"oc	5⁄8"Ø AB @ 48"oc	5⁄8"Ø AB @ 64"oc	260	
	SW4	½" PLYWOOD	0.131" @ 4"oc	0.131" @ 4"oc	A35 @ 16"oc	5⁄8"ø AB @ 32"oc	5⁄8" ø AB @ 48"oc	350	
	SW3	½" PLYWOOD	0.131" @ 3"oc	0.131" @ 3"oc	A35 @ 12"oc	%"ø AB @ 16"oc	5⁄8" ø AB @ 32"oc	512	





1



HOLDOWN							IEDULE	12	
				FOOTING / STRUCTURAL SLAB					
MARK	FASTENERS	м (3)	ANCHOR	EMBEDMENT	EDGE	CAPACITY	ANCHOR	EMBEDMENT	
			ROD	LINDEDMENT	DISTANCE		ROD 7		CONTI
HDU2	(6) SDS ¹ / ₄ "x2 ¹ / ₂ "	3") ⁵⁄8"Ø	7"	9"	2,215#	SB⁵⁄8x24	18"	
HDU5	(14) SDS ¹ ⁄ ₄ "x2 ¹ ⁄ ₂ "	3" DF	} %"ø	7"	9"	5,645#	SB ⁵ / ₈ x24	18"	
3	-		$\overline{\Lambda}$			-			

(2) INSTALL ALL HOLDOWNS PER MANUFACTURER'S INSTRUCTIONS.

- (4) MIN 6" CONCRETE WALL THICKNESS REQ'D, MIN EDGE DISTANCE OF $1\frac{3}{4}$ ".
- (6) BASED ON MIN 41/4" DISTANCE FROM END OF WALL.

GENERAL FRAMING NOTES:

- 1. ALL 9-½" BEAMS SHALL BE FLUSH AND ALL HEADERS DROPPED, UNO.
- 2. TYP. HEADERS SHALL BE 4x6 DF#2 UNO. SEE 4/S3.2 FOR TYPICAL INSTALLATION.
- PROVIDE (2) BEARING STUDS UNDER EACH 3. END OF ALL BEAMS AND (1) 2x TRIMMER (BEARING) STUD AND (1) 2x KING (FULL-HEIGHT) STUD AT EACH END OF ALL 4x6/4x8 HEADERS, UNO. PROVIDE PT (2)2x TRIMMER STUDS AE EACH END OF EACH GLB HEADER, TYP, UNO. NAIL STUDS TOGETHER PER GENERAL STRUCTURAL NOTES.
- 4. PROVIDE SOLID BEARING BELOW ALL POINT LOADS ABOVE.
- 5. STUD WALLS SHALL BE 2x HF STUDS @ 16"oc, UNO. SEE SHEAR WALL, HOLDOWN AND STRAP SCHEDULES ON S1.1 FOR ADDITIONAL REQUIREMENTS AT SHEAR WALL FRAMING.
- 6. AT BREAKS IN DOUBLE TOP PLATE OF ALL EXTERIOR WALLS AND ALL SHEAR WALLS SEE DETAIL 3/S1.1.
- 7. SW-X INDICATES SHEAR WALL PER SCHEDULE 1/S1.1. SEE ARCHITECTURAL DRAWINGS FOR ADD'L INFORMATION. ALL EXTERIOR WALLS SHALL BE SHEATHED PER SW6, UNO
- REFER TO ARCHITECTURAL DRAWINGS FOR 8. DIM'S NOT SHOWN.
- 9. REFER TO GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.

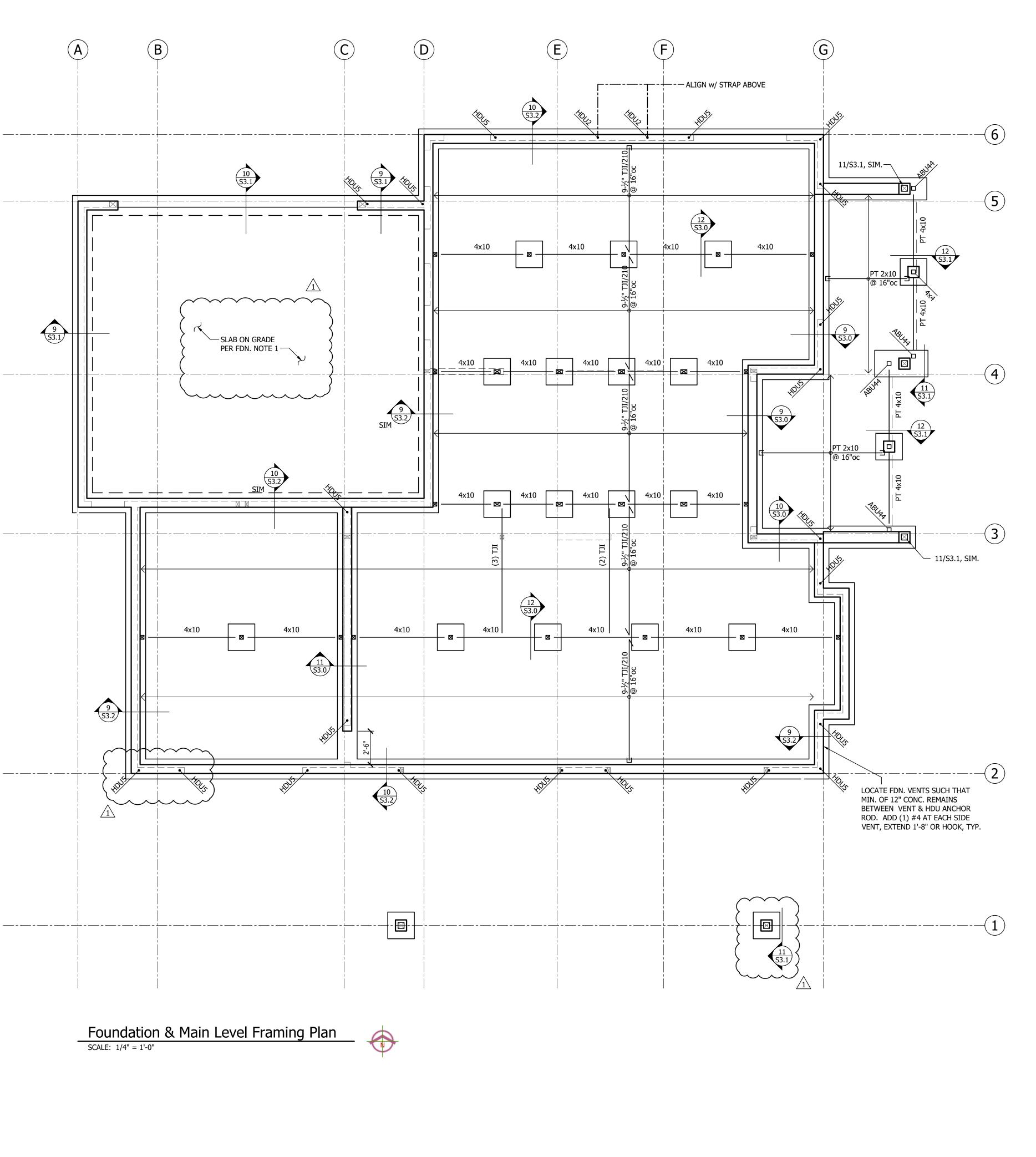
FOUNDATION NOTES:

- 1. TYPICAL SLAB ON GRADE AT INTERIOR SHALL BE 4" THICK. REINFORCE ALL SLABS w/ WWF 6x6 - W2.9xW2.9 AT CENTERLINE.
- INDICATES HOLDOWN LOCATED AT 2. END OF SHEAR WALL ABOVE, SEE SCHEDULE ON 4/S1.1. HDU5 HOLDOWNS SHALL BE ATTACHED TO MIN. (2)2x DF MEMBERS ABOVE.

FLOOR FRAMING NOTES:

- 1. FLOOR SHEATHING SHALL BE MIN. 3/4" APA RATED SHEATHING (48/24). NAIL @ ALL PANEL EDGES AND OVER ALL SHEAR WALLS w/0.113"ø @ 6"oc AND 12"oc TO ALL INTERMEDIATE FRAMING. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO JOISTS DIRECTION, STAGGER PANEL JOINTS.
- 2. TYPICAL FLOOR FRAMING SHALL BE $9-\frac{1}{2}$ " TJI/210 @ 16"oc (continuous), DIRECTION PER PLAN.
- 3. LSL INDICATES FLUSH-FRAMED 1-³/₄"x9-¹/₂" LSL BEAM.
- DS INDICATES 1-³/₄"x9-¹/₂" LSL DRAG STRUT UNO; ATTACH SHEATHING ALONG ENTIRE LENGTH w/ 0.131"ø @ 4"oc.
- INDICATES STRAP AT END OF SHEAR WALL ABOVE, SEE SCHEDULE ON 2/S1.1. 5.

HANGER SCHEDULE					
MEMBER	HANGER				
2x8	LUS28				
PT 2x10	LUS210Z				
6x10	HUCQ610				
9-½" TJI/210	IUS/ITS2.06/9.5				
(2) 9-½" TJI/210	MIU/MIT4.28				
11-7⁄8" TJI/210	IUS/ITS2.06/11.88				
(2) 11- ⁷ / ₈ " TJI/210	MIU/MIT4.28				
1-¾x11-7⁄8 LSL	HUS/HUCQ1.81				
3-1/2x11-7/8 LSL	HU/WP11				





S2.0

GENERAL FRAMING NOTES:

- 1. All $11-\frac{7}{8}$ " beams shall be flush and all headers dropped, uno.
- 2. TYP. HEADERS SHALL BE 4x6 DF#2 UNO. SEE 4/S3.2 FOR TYPICAL INSTALLATION.
- PROVIDE (2) BEARING STUDS UNDER EACH END OF 3. ALL BEAMS AND (1) 2x TRIMMER (BEARING) STUD AND (1) 2x KING (FULL-HEIGHT) STUD AT EACH END OF ALL 4x6/4x8 HEADERS, UNO. PROVIDE PT (2)2x TRIMMER STUDS AE EACH END OF EACH GLB HEADER, TYP, UNO. NAIL STUDS TOGETHER PER GENERAL STRUCTURAL NOTES.
- 4. PROVIDE SOLID BEARING BELOW ALL POINT LOADS ABOVE.
- 5. STUD WALLS SHALL BE 2x HF STUDS @ 16"oc, UNO. SEE SHEAR WALL, HOLDOWN AND STRAP SCHEDULES ON S1.1 FOR ADDITIONAL REQUIREMENTS AT SHEAR WALL FRAMING.
- 6. AT BREAKS IN DOUBLE TOP PLATE OF ALL EXTERIOR WALLS AND ALL SHEAR WALLS SEE DETAIL 3/S1.1.
- 7. SW-X INDICATES SHEAR WALL PER SCHEDULE 1/S1.1. SEE ARCHITECTURAL DRAWINGS FOR ADD'L INFORMATION. ALL EXTERIOR WALLS SHALL BE SHEATHED PER SW6, UNO
- REFER TO ARCHITECTURAL DRAWINGS FOR DIM'S 8. NOT SHOWN.
- REFER TO GENERAL STRUCTURAL NOTES FOR 9. ADDITIONAL REQUIREMENTS.

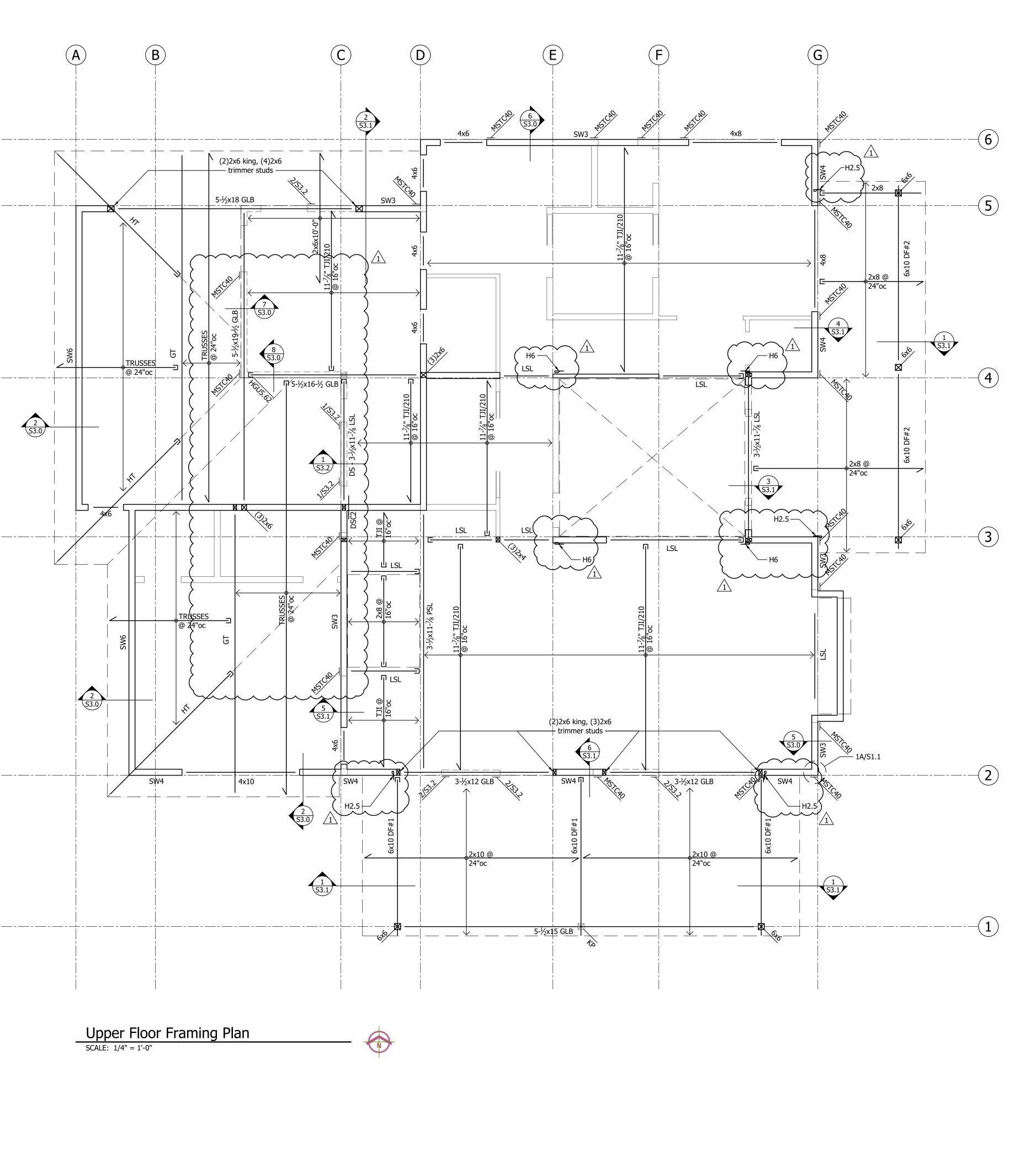
FLOOR FRAMING NOTES:

- Floor sheathing shall be min. 3/4" Apa rated 1. SHEATHING (48/24). NAIL @ ALL PANEL EDGES AND OVER ALL SHEAR WALLS w/0.113"ø @ 6"oc AND 12"oc TO ALL INTERMEDIATE FRAMING. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO JOISTS DIRECTION, STAGGER PANEL JOINTS.
- 2. TYPICAL FLOOR FRAMING SHALL BE 11-7/8" TJI/210 @ 16"oc (continuous), DIRECTION PER PLAN.
- 3. LSL INDICATES FLUSH-FRAMED 1-¾"x11-7%" LSL BEAM.
- 4. DS INDICATES 1-¾"x11-%" LSL DRAG STRUT UNO; ATTACH SHEATHING ALONG ENTIRE LENGTH w/ 0.131"ø @ 4"oc.
- INDICATES STRAP AT END OF SHEAR WALL 5. ABOVE, SEE SCHEDULE ON 2/S1.1.

ROOF FRAMING NOTES:

- ROOF SHEATHING SHALL BE 1/2" APA RATED 1. SHEATHING (32/16). NAIL @ ALL FRAMED PANEL EDGES AND OVER ALL SHEAR WALLS w/0.131" @ @ 6"oc AND 12"oc TO ALL INTERMEDIATE FRAMING. PLACE LONG DIRECTION OF PLYWOOD PERPENDICULAR TO JOISTS DIRECTION, STAGGER PANEL JOINTS.
- 2. TYPICAL ROOF FRAMING SHALL PRE-MANUFACTURED MENDING PLATE TRUSSES @ 24"oc UNO. SEE ARCHITECTURAL PLANS FOR ROOF PITCHES AND TRUSS PROFILES.
- 3. DT INDICATES DRAG TRUSS. TRUSS SHALL BE ENGINEERED TO TRANSFER LATERAL FORCE NOTED ON PLANS FROM ENTIRE LENGTH OF TOP CHORD TO SHEAR WALL ALIGNED AT BOTTOM CHORD. NAIL SHEATHING OVER ENTIRE LENGTH w/0.131"
 Ø NAILS @ 6"oc.
- 4. GT INDICATED GIRDER TRUSS PER MANUFACTURER.
- 5. CONTRACTOR TO SUBMIT COPY OF FINAL TRUSS DESIGN SHOP DRAWINGS TO STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
- 6. KP INDICATES 6x6 KING POST w/ CC CAP @ TOP & BTM.

HANGER SCHEDULE						
HANGER						
LUS28						
LUS210Z						
HUCQ610						
IUS/ITS2.06/9.5						
MIU/MIT4.28						
IUS/ITS2.06/11.88						
MIU/MIT4.28						
HUS/HUCQ1.81						
HU/WP11						





Prefabricated	Connector	Plate	Wood	Roof	Trusse

Prefabricated wood trusses shall be metal plate connected wood trusses designed and fabricated in accordance with the current ANSI/TPI.1 The trusses shall be designed to support their own weight plus superimposed dead, live, uplift and lateral loads including, but not limited to the loads below:

/			$\overline{\}$	1
5	top chord snow load	25 psf)	
	top chord dead load	10 psf	<	
>	bottom chord dead load	10 psf)	
>	bottom chord live load	10 psf (uninhabitable attics w/o storage)		
5	bottom chord live load	20 psf (uninhabitable attics w/light storage or	<	
>		uninhabitable attics w/o storage, but containing areas where the clear distance between the top and bottom	2	
>		chords is greater than or equal to 42" for a horizontal)	
>		distance of 24" involving (2) or more trusses)	1	
	The bottom chord live load of	loes not act concurrently with the roof live or snow load.		
	See Architectural and mecha	nical drawings for sprinkler and mechanical equipment		

See Architectural and mechanical drawings for sprinkler and mechanical equipment loading and for wind uplift (top chord) per ASCE 7-16, use components and cladding loads, see loading criteria.

All top and bottom chord splices shall be connected with approved metal press plates and tension tested to a minimum of 1.2 times the allowable tension parallel to the grain per NDS specifications. Dead load combined with live load deflections shall be limited to span/240 (span/120 at cantilevered members). Live load deflections of members shall be limited to span/360 (span/180 at cantilevered members). Truss load duration factor shall be per the current edition of the NDS.

The truss manufacturer shall be responsible for the complete design, fabrication and erection procedures for all trusses, blocking, incidental framing, framing for openings, temporary and permanent member lateral restraint and bracing, bridging, connections, holdown anchors, and all other items required for a complete and safe installation of the truss system. Truss Configurations are shown on the Architectural or structural drawings. The truss manufacturer shall have at least 3 years experience in the fabrication of prefabricated wood trusses.

Design of trusses shall consider deflection of trusses relative to adjacent parallel supports and include design of bridging, bracing, additional trusses or other means necessary to alleviate problems resulting from differential deflections.

Contractor shall submit design calculations and truss design drawings (sealed by a licensed Engineer in the governing jurisdiction) and a truss placement diaphragm in accordance with the Deferred Submittal Section to the Architect and Structural Engineer of Record. Design calculations and truss design drawings shall be approved by the Architect and the building official prior to manufacturing the trusses. The truss placement diagram shall identify the proposed location for each individually designated truss and reference the corresponding truss design drawing. The diagram shall be provided as part of the truss submittal package and included with the shipment of trusses delivered to the job site. The location, direction and span of the trusses shall match the permit documents or a separate Substitution request shall be made to the Architect/SER prior to the issuance of the Deferred Submittal.

Truss design drawings are the written, graphic and pictorial depiction of each individual truss. Truss design drawings shall be provided with the shipment of trusses delivered to the job site. Truss design drawings shall include, at a minimum, the following:

- A. Truss profiles showing slope or depth, span and spacing;
- B. Location of joints;
- C. Required bearing widths;
- D. Design loads as applicable;
- E. Top chord live load, (including snow loads);
- . Top chord dead load; G. Bottom chord live load;
- H. Bottom chord dead load;
- Concentrated loads and their points of application as applicable;
- Controlling wind and earthquake loads as applicable;
- K. Adjustments to lumber and metal connector plate design value for conditions if used; Each reaction force and direction;
- M. Metal connector plate type, size, thickness or gage, and the dimensioned location of each metal connector plate except where symmetrically located relative to the joist interface. Provide the ICC report for plates used; N. Lumber size, species and grade for each member;
- O. Connection details for all truss to truss (including any combination of truss, girder truss, hip truss and hip girders); truss ply to ply; truss to column/beam, and field assembly of a truss when the truss shown on the individual truss design drawing is supplied in separate pieces that will be field connected.
- P. Calculated deflection ratio and maximum vertical and horizontal deflection for live and total load as applicable;
- Q. Maximum axial tension and compression forces in the truss members;
- R. Required permanent individual truss member lateral restraint and bracing per 2018 IBC section 2303.4.1.2, unless a specific truss member permanent bracing plan and details for the roof or floor structural system are provided by a registered design professional.

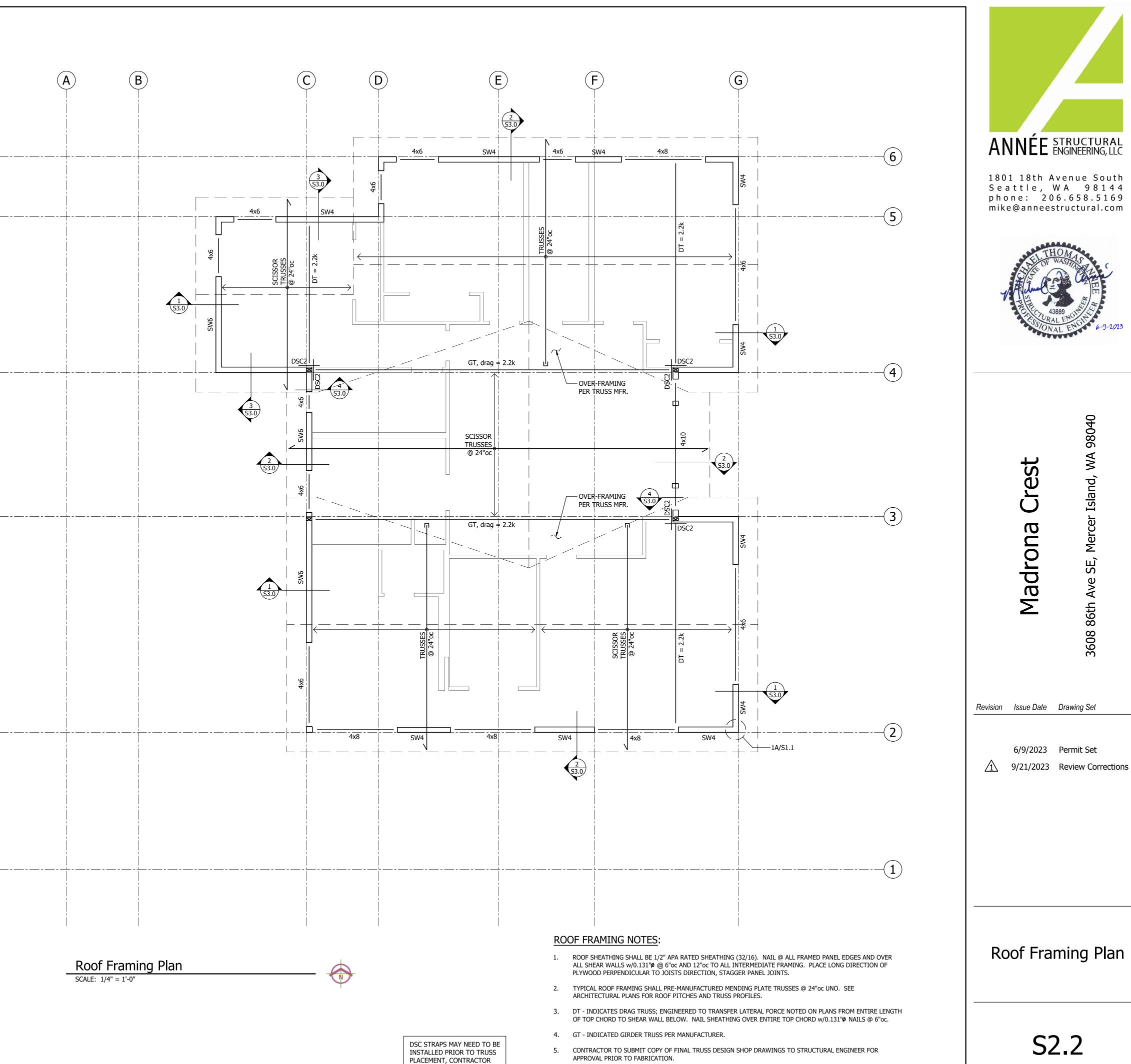
Where permanent individual member lateral restraint and bracing of truss members is required on the truss design drawings, it shall be accomplished by one of the following methods:

- A. The trusses shall be designed so that the buckling of any individual truss member can be resisted internally by the structure (e.g. Buckling member T-bracing, I-bracing, etc.) of the individual truss. The truss individual member buckling reinforcement shall be installed as shown on the truss design drawing or on supplemental truss member buckling reinforcement diagrams provided by the truss designer.
- B. Permanent individual member lateral restraint and bracing shall be installed by the contractor using standard industry bracing details that conform to generally accepted engineering practice. Individual truss member continuous lateral bracing locations(s) shall be shown on the truss design drawing(s).

Erection bracing and bridging sizes and spacing shall be as required by the truss manufacturer in accordance with the latest recommendations of the Truss Plate Institute (TPI). Install and lap bracing and bridging per latest TPI recommendations.

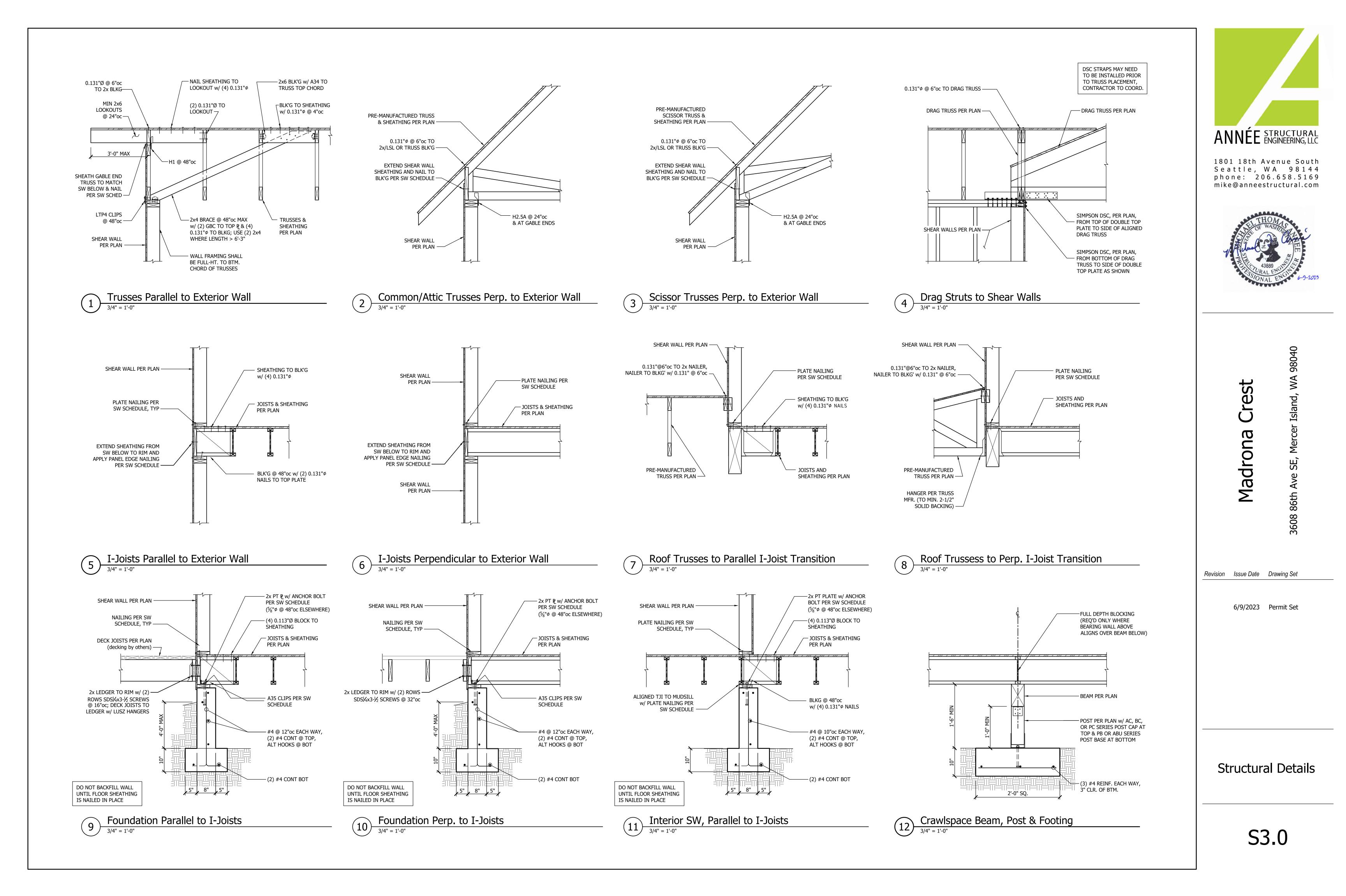
Truss members and components shall not be cut, notched, drilled, spliced or otherwise altered in any way without written consent and approval of a registered design professional. New load or changes in loads resulting in the addition of loads to any truss (e.g., HVAC equipment, water heater, piping, ducts, etc.) shall not be permitted without verification that the truss is capable of supporting such additional loading.

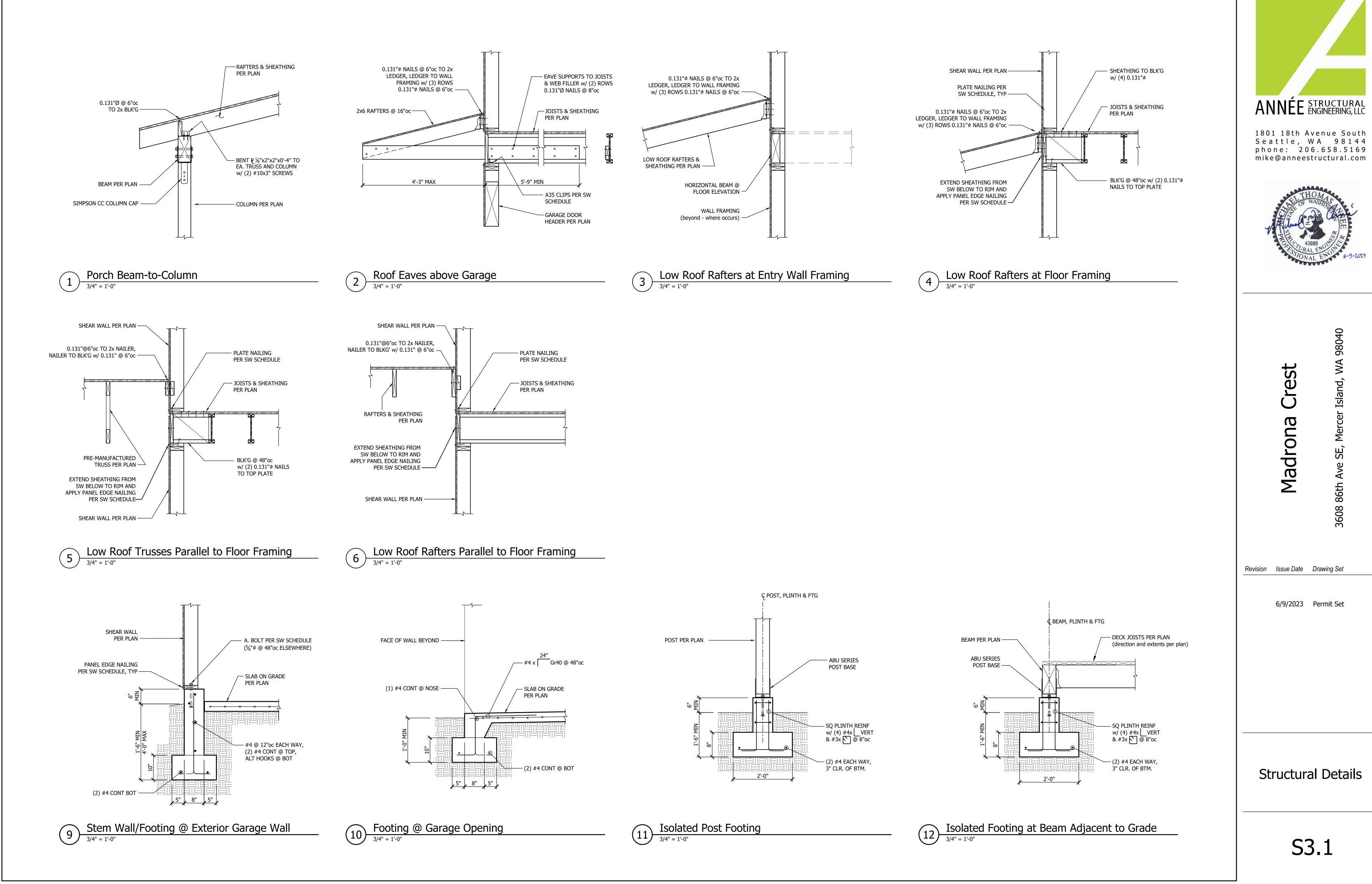
A special inspector approved by the building official shall verify that the truss manufacturer maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the fabricator's ability to conform to approved construction documents and referenced standards. The special inspector shall review the procedures for completeness and adequacy relative to the code requirements for the fabricator's scope of work. Each wood truss member shall carry a grading stamp.

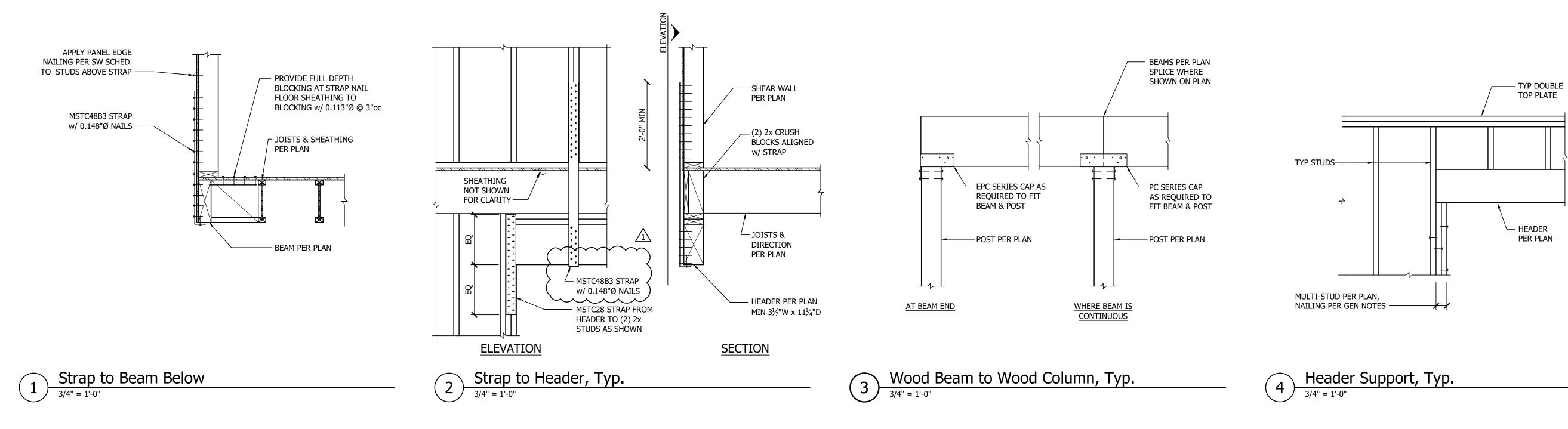


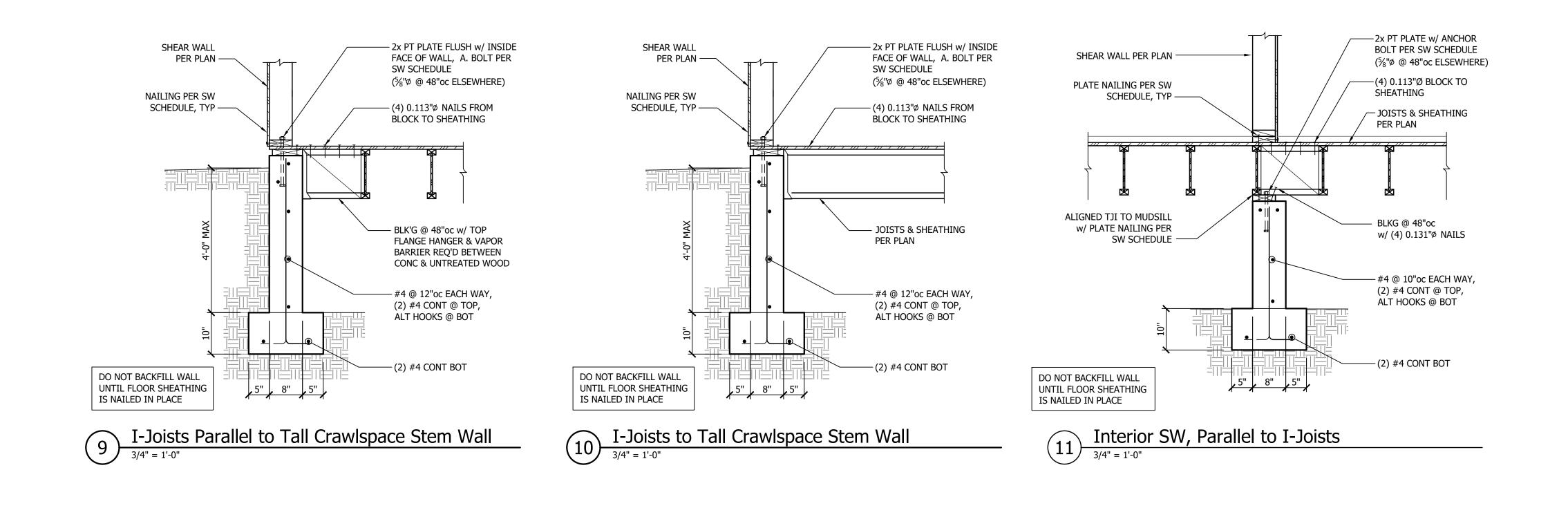
TO COORDINATE, REF. 4/S3.0.

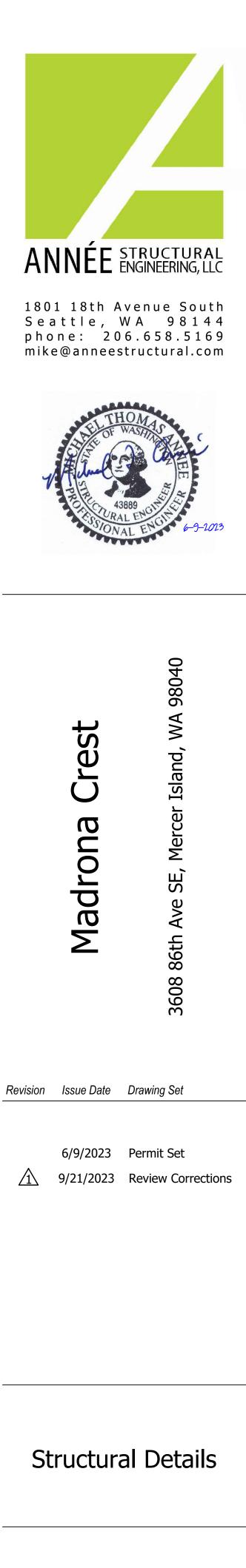
6. KP - INDICATES 6x6 KING POST w/ CC CAP @ TOP & BTM.











S3.2