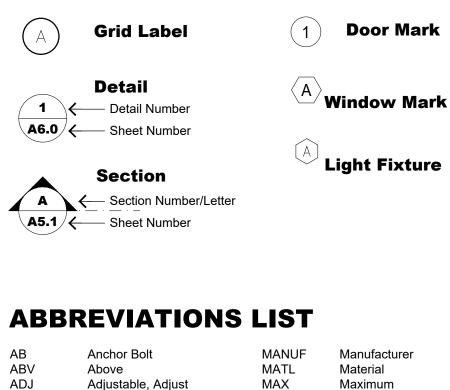
### SYMBOL LEGEND



MDF

MDO

MEMB

MIN

MIR

MISC

MTL

NOM

NTS

0/

OC

OH

OSB

ΡL

PLAM

PSL

PΤ

R

REF

REINF

REQD

RM

RO

RR

SF

SCHED

SHTG

SPECS

STRUC

SIM

STL

SYM

Т&В

T & G TEMP

TJI

TOP

TOS

ΤW

TYP

UBC

UNO

VB

W

VER

VERT

WWM

W/

W/O

WD

WP

WR

WDW

PLYWD

N NO

AB

BV	Above
DJ	Adjustable, Adjust
FF	Above Finish Floor
LIGN	Alignment
L	Aluminum
SSEM	Assembly
EL	Below
EY	Beyond
LKG	Blocking
M	Beam
O	Bottom of
RG	Bearing
TWN	Between
W	Bottom of Wall
AB	Cabinet
J	Control Joint
LG	Ceiling
LR	Clearance, Clear
OL	Column
ONC	Concrete
ONT	Continuous
T	Ceramic Tile
ET IA N S W	Deep, Depth Detail Diameter Down Downspout Dishwasher
A MBED Q W XIST XT	East Each Embedment Equal Each Way Existing Exterior
IN	Finish
LASH	Flashing
LR	Floor
OC	Face of Concrete
OF	Face of Finish
OS	Face of Stud
OUND	Foundation
RPLC	Fireplace
T	Foot, Feet
TG	Footing
ALV LB WB	Galvanized Glued Laminated Beam Gypsum Wall Board
B DR DWD ORIZ T WT	High Hose Bibb Header Hardwood Horizontal Height Hot Water Heater
ISUL	Insulation, Insulate
ST	Joist
F	Joint
=	Linear Foot

CI

LF Linear Foot LVL Laminated Veneer Lumber

**NOXIOUS WEEDS** 

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 HOME 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.

### **TREE PROTECTION**

A TREE PROTECTION INSPECTION IS REQUIRED BEFORE START OF WORK

Medium Density Fiberboard Medium Density Overlay Membrane Minimum Mirror Miscellaneous Metal

Number Nominal Not to Scale Over On Center

Opposite Hand

North

Oriented Strand Board Plate, Property Line Plastic Laminate

Plywood Parallel Strand Lumber Pressure Treated

Radius Refrigerator Reinforcing Required Room Rough Opening Roof Rafter

South

Schedule, Scheduled Square Feet Sheathing Similar Specifications Stee Structural Symmetrical

Top and Bottom Tounge and Groove Tempered Truss Joist I-beam joist Top of Plate Top of Subfloor, Top of Slab Top of Wall Typical

Uniform Building Code Unless Noted Otherwise Vapor Barrier

Verify Vertical West, Watt, Width

Welded Wire Mesh With Without

Wood

Window Waterproofing, Weatherproof Water Resistant

### **GENERAL NOTES**

- 1. ALL WORK SHALL COMPLY WITH APPLICABLE CODES AND ORDINA
- VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS AT THE SITE PROCEEDING WITH WORK. GENERAL CONTRACTOR SHALL VISIT FAMILIARIZE HIMSELF WITH ALL ASPECTS OF THE WORK BEFORE WITH OWNER TO PERFORM THE WORK. NOTIFY ARCHITECT OF BETWEEN DRAWINGS AND ACTUAL CONDITIONS PRIOR TO THE S WORK.
- VERIFY ALL ITEMS TO BE REMOVED OR DEMOLISHED WITH THE C START OF THE WORK. CONTRACTOR SHALL IDENTIFY THOSE ITE INCORPORATED IN THE FINISHED PROJECT AND SHALL ARRANGE STORAGE. SALVAGE VALUE OF REMOVED ITEMS SHALL BELONG UNLESS OTHERWISE AGREED.
- CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE LOCATION PROTECTION OF ALL EXISTING UTILITIES ASSOCIATED WITH PRO.
- IDENTIFICATION AND HANDLING OF EXISTING HAZARDOUS MATER RESPONSIBILITY OF THE CONTRACTOR. SUCH ACTIVITIES SHALL 5. CONSISTENT WITH ALL CURRENT REGULATIONS GOVERNING HAZ MATERIAL
- GENERAL CONTRACTOR SHALL CONSULT/COORDINATE PLANS O ALL OPENINGS THROUGH SLABS, CEILINGS, AND WALLS FOR DUC CONDUITS AND EQUIPMENT, AND SHALL VERIFY SIZE AND LOCAT RESPECTIVE CONTRACTORS.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF EQUIPMENT CONTRACT OR BY OTHERS. OBTAIN ROUGH-IN DIMENSIONS, REC 7. BACKING, SUPPORT AND LOCATION OF ITEMS PRIOR TO THE STAL

REPETITIVE FEATURES MAY BE DRAWN ONLY ONCE, BUT SHALL I DRAWN IN FULL.

- ALL PIPING, CONDUITS AND DUCTS SHALL BE FURRED-IN IN ALL
- CONTRACTOR SHALL VERIFY CONFORMANCE OF ACTUAL SOIL CO 9 STRUCTURAL NOTES AND DESIGN ASSUMPTIONS.
- 10. PROVIDE BACKING IN WALLS AS REQUIRED FOR INSTALLATION O ITEMS.
- ALL MATERIALS AND WORKMANSHIP IN THIS CONTRACT SHALL BE FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE PROJECT BY OWNER.
- DIMENSIONS SHOWN ON THE PLANS ARE, IN GENERAL, UNLESS S OTHERWISE
- TO INTERIOR FACE OF CONCRETE. 13 TO INTERIOR FACE OF EXTERIOR WALL STUDS. TO FACE OF INTERIOR WALL STUDS. TO CENTERLINE OF INTERIOR COLUMNS AND ISOLATED FOOTI
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT CONS EXCAVATION AS REQUIRED AND IN A MANNER SUITABLE TO THE \
- ALL WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND IN A MANUFACTURERS SPECIFICATIONS, DIRECTIONS AND RECOMMEN
- SELECTION OF INTERIOR AND EXTERIOR FINISHES TO BE COORD VERIFIED WITH OWNER. 15.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECE FOR THE WORK AND FOR REQUESTING REQUIRED REGULAR OR SPECIAL 16. INSPECTIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING ALL WORK AND 17. SUBMITTING SAMPLES, SHOP DRAWINGS AND OTHER REQUESTS FOR REVIEW BY THE OWNER ON A TIMELY BASIS.

18.

11.

12.

## **VENTILATION & AIR QUALITY NOTES**

VENT ALL BATHROOM FANS, LAUNDRY FANS, RANGE HOODS AND DRYERS TO OUTSIDE ATMOSPHERE. BATHROOM/UTILITY ROOM FANS SHALL BE CAPABLE OF 5 AIR CHANGES PER HOUR AND SHALL BE VENTED DIRECTLY TO THE OUTSIDE THROUGH SMOOTH RIGID NON-CORROSIVE METAL 24 GA DUCTWORK FLEX DUCTING IS NOT ALLOWED, WSEC R402.4.1.2 REQUIRES THE DWELLING UNIT TO BE TESTED AND VERIFIED AS HAVING AN AIR LEAKAGE RATE NOT EXCEEDING 5 AIR CHANGES PER HOUR. TESTING MUST BE CONDUCTED WITH A BLOWER DOOR AT A PRESSURE OF 0.2. NEW CONSTRUCTION MAY BE ISOLATED FROM EXISTING STRUCTURE FOR TESTING





**OWNERS NA** 

PROJECT AD

SCOPE OF V

PARCEL IDE JURISDICTIC MERCER ISL

ZONING: BUILDING O

THENCE S34°46'02"W 136.17' S30°03'18"E;

	CC
<b>A-0</b>	PR DE LE NO DR
A-1	SU SIT
C-1	ТΙТ
C-2	ΤE
C-3	RC
<b>C-4</b>	ST
C-5	TR
A2.0	LO
A2.1	MA
A2.2	SE
A2.3	RC
A3.0	NC
A3.1	SC
A3.2	ΕA
A3.3	SC

### **ENERGY NOTES**

	ENERGI	NUIES		
		CLIMATIC ZONE	4C MARINE	
INANCES.		THERMAL STANDARDS FOR OPENINGS	UNLIMITED OPTION	
ITE BEFORE		CODES	2018 W.S.E.C, 2018 I.R.C, W.A.C. 51-11R	
IT THE PREMISES TO		HEAT TYPE	NATURAL GAS, FORCED AIR SYSTEM	
RE CONTRACTING				
ANY DISCREPANCIES				
START OF THE			OSTED WITHIN 3 FT OF THE ELECTRICAL PANEL; IT MUST UES OF FENESTRATION, RESULTS FROM DUCT SYSTEM EFFICIENCIES OF HEATING/COOLING/WATER HEATING	
E OWNER PRIOR TO TEMS TO BE	AIR INFILTRATION	MANUFACTURED DOORS/WINDOWS: CONFORM TO SEC	FION R402.4.3 OF THE WASHINGTON STATE ENERGY CODE	
GE FOR THEIR SAFE IG TO THE OWNER		EXTERIOR JOINTS/OPENINGS: SEAL, CAULK, GASKET OR WEATHERSTRIP TO LIMIT AIR LEAKAGE AT EXTERIOR JOINTS AROUND WINDOW AND DOOR FRAMES, OPENINGS BETWEEN WALLS AND FOUNDATION, BETWEEN WALLS AND ROOF; OPENINGS AT PENETRATIONS OF UTILITY SERVICES AND ALL OTHER SUCH OPENINGS IN THE BUILDING ENVELOPE		
ATION AND				
ROJECT.	MOISTURE CONTROL	INCHES ON	NSULATION; INSTALL WITH STAPLES NOT MORE THAN 8	
ERIALS SHALL BE THE		VAPOR	IVER FRAMING NOT GREATER THAN 1/16 OF AN INCH; OR,	
LL BE UNDERTAKEN IAZARDOUS		RETARDER OF ONE PERM CUP RATING (4 MIL POLYETH)	′LENE)	
		ATTICS/CEILINGS: VAPOR RETARDER OF ONE PERM CUI CONTINUOUSLY	P RATING (4 MIL POLYETHYLENE). INSTALL	
OF ALL TRADES FOR UCTS, PIPES,		CRAWL SPACE: 6 MIL POLYETHELENE		
ATION WITH	VENTILATION	ATTICS WITH LOOSE FILL: N.A. BAFFLE VENT OPENINGS TO DEFLECT AIR ABOVE INSULATION SURFACE ENCLOSED JOIST OR RAFTER SPACES: PROVIDE MINIMUM OF ONE INCH CLEAR VENTED AIR SPACE ABOVE		
ENT INCLUDED IN THIS		INSULATION. TAPER OR COMPRESS INSULATION AT PER MINIMUM OF R-38.	IMETER TO INSURE PROPER VENTILATION, MAINTAINING	
EQUIREMENTS FOR				
FART OF WORK.	HEATING & COOLING	GAS FURNACE & AIR SOURCE HEAT PUMP		
L BE PROVIDED AS IF	TEMP. CONTROL	,	APABLE OF BEING SET FROM 55-85 DEGREES FARENHEIT SEQUENCE. THERMOSTAT TO BE AUTOMATIC DAY/NIGHT	
L FINISHED ROOMS.	DUCT ISULATION	THERMALLY INSULATE ALL PLENUMS, DUCTS AND ENCL THE WASHINGTON STATE ENERGY CODE.	OSURES IN ACCORDANCE WITH SECTION R403.3.1 OF	
CONDITIONS WITH				
CONDITIONS WITH			ES SHALL BE INSULATED WITH A MIN. OF R-8. ALL SEAM ED WITH THE MINIMUM OF FASTENERS PER WSEC.	
		b. DUCTS WITHIN A CONCRETE SLAB OR IN THE G	ROUND SHALL BE INSULATED TO R-10, WITH INSULATION	
OF WALL-MOUNTED		DESIGNED TO BE USED BELOW GRADE.		
	LIGHTING	RECESSED LIGHTING FIXTURES INSTALLED IN BUILDING	ENVELOPE SHALL COMPLY WITH WSEC PROVISIONS	
BE GUARANTEED		AND SHALL BE IC LISTED. A MIN. OF 75% OF PERMANEN LIGHTING FIXTURES MUST BE HIGH-EFFICACY LAMPS, P		
CE OF THE ENTIRE		LIGHTING TIXTORES MUST DE HIGH-EFFICAUT LAMPS, P		
	PIPE INSULATION	ALL HOT WATER PIPES, AND NON-RECIRCULATING COLI SHALL BE INSULATED TO R-3 MIN. PLUMBING OR MECHA		
S SHOWN OR NOTED	WHOLE HOUSE VENTILATION	INTERMITTENTLY PER 2018 IRC TABLES M1507.3	ED BY EXHAUST FAN PROVIDING 320 CFM RUNNING 3.3 (1&2). FAN SHALL BE LESS THAN .35 WATT PER CFM AND HAVE A SONE RATING OF LESS THAN 1.0.VENTILATION OF HEATING SYSTEM.	
DTINGS.		RETURN AIR STREAM 4' UPSTREAM OF THE AIR	R DUCT W/ LOUVER & SCREEN CONNECTED TO THE HANDLER AND INSULATED W/ R-4 MIN IN HEATED AREAS. ST 6 INSTALLED IN AN EASILY ACCESSIBLE LOCATION.	
RE COMMENCING ANY NSTRUCTION AND		d. FRESH AIR VENT SHALL BE LOCATED AWAY FRO PLUMBING OR APPLIANCE VENTS, AWAY FROM	DM SOURCES OF ODORS OR FUMES, MIN 10' FROM ROOMS W/ FUEL BURNING APPLIANCES, AND OUT OF	
E WORK SEQUENCE.			HALL BE PROVIDED BY UNDERCUTTING INTERIOR DOORS	
		1/2" ABOVE FINISHED FLOOR, TYP.		
N ACCORDANCE WITH //ENDATIONS.	PLUMBING FIXTURES	ALL PLUMBING FIXTURES SHALL CONFORM TO RCW 19.		
RDINATED AND		ALL TOILETS 1.6 GPM MAX URINALS 1.0 GPF MAX SHOWERHEADS <1.75 GPM KITCHEN FAUCETS <1 LAVATORIES < 1.0 GPM		
ECESSARY PERMITS R SPECIAL				

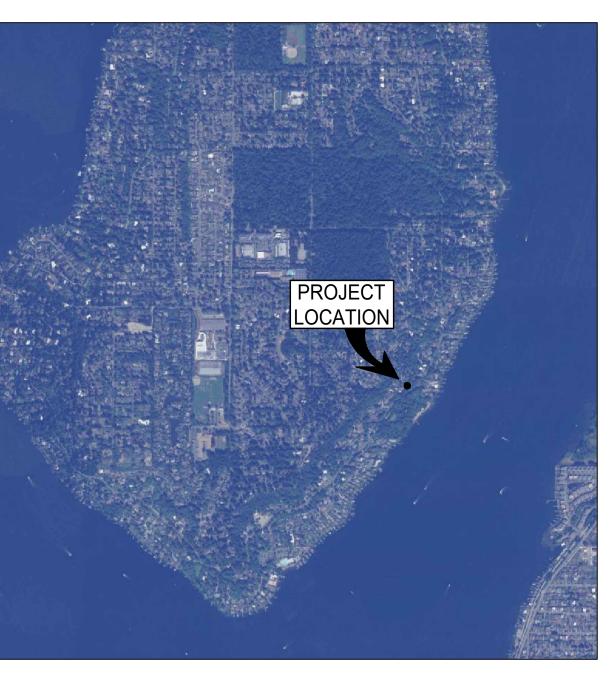
## **ENERGY CREDITS**

MEDIUM	DWELLING UNIT : 6 CREDITS REQUIRED	
OPTION	DESCRIPTION	CREDITS
1.3	EFFICIENT BUILDING ENVELOPE: VERTICAL FENESTRATION- U=0.28, FLOOR- R-38, SLAB ON GRADE/BELOW GRADE SLAB- R-10 PERIMETER+ UNDER ENTIRE SLAB	0.5
2.2	REDUCE TESTED AIR LEAKAGE TO 2.0 AIR CHANGES PER HOUR MAX. @ 50 PASCALS	1.0
3.5	AIR SOURCE, CENTRALLY DUCTED HEAT PUMP WI MIN. HSPF OF 11	1.5
4.2	ALL HVAC DUCTS AND COMPONENTS TO BE LOCATED IN CONDITIONED SPACE PER R403.3.7	1.0
5.4	EFFICIENT WATER HEATING: ELECTRIC HEAT PUMP WATER HEATER TO MEET TIER I OF NEEA'S ADVANCED WATER HEATING SPECIFICATION	1.5
7.1	APPLIANCE PACKAGE; ENERGY STAR RATED DISHWASHER, REFRIG., WASHING MACHINE & DRYER (VENTLESS W/ MIN. CEF 5.2)	0.5
	TOTAL CREDITS	6.0

### **PROJECT TEAM**

ARCHITECT FORMWORKS DESIGN BUILD 7434 SE 71ST STREET MERCER ISLAND WA 98040 206-406-1589 206-406-1589	LANDSCAPE ARCHITECT BERGER PARTNERSHIP 1927 POST ALLEY STE. 2 SEATTLE WA 98101 JASON HENRY 206-492-5579
STRUCTURAL ENGINEERING MERRELL DESIGN SERVICES NINE MILE FALLS WA 99026 F.J. MERRELL 509-998-7410	GEOTECH TERRA ASSOCIATES 12220 113TH AVENUE NE, SUITE 130 KIRKLAND WA 98034 CAROLYN DECKER 206-255-4988
CIVIL ENGINEER CORE DESIGN 12100 NE 195TH ST. #300 30THELL WA 98011 SHERI MURATA 125-885-7877	ENVIRONMENTAL THE WATERSHED COMPANY 750 6TH AVENUE S. KIRKLAND WA 98033 DAN NICKEL 425-822-5242
SURVEYOR FERRANE 10801 MAIN STREET #102 BELLEVUE WA 98004 425-458-4488	ARBORIST ABC CONSULTING ARBORISS 10307 JASMINE LANE CHATTAROY WA 99003 DANIEL MAPLE 509-953-0293

425-458-4488



## **VICINITY MAP**

### **PROJECT INFORMATION**

IAME:	DEREK AND EILEEN CHESHIRE 7615 EAST MERCER WAY MERCER ISLAND, WA 98040
ADDRESS:	92XX SE 76TH STREET MERCER ISLAND, WA 98040
WORK:	CONSTRUCTION OF A NEW SINGLE FAMILY RESIDENCE WITH ATTACHED GARAGE
ENTIFICATION NUMBER:	302405-9036
ION:	CITY OF MERCER ISLAND
SLAND PROJECT NUMBER:	
	R-9.6 (RESIDENTIAL-SINGLE FAMILY)
DCCUPANCY	R-3 SINGLE FAMILY RESIDENCE

NO SCALE

## **LEGAL DESCRIPTION**

THAT PORTION OF THE NORTH 148.37 FEETOF A PORTION OF GOVERNMENT LOT 5. LYING WESTERLY OF EAST MERCER WAY; ALL IN SECTION 30, TOWNSHIP 24 NORTH, RANGE 5, EAST, WILLAMETTE MERIDIAN, IN KING COUNTY DESCRIBED AS FOLLOWS:

BEGINNING AT INTERSECTION OF THE NORTH LINE OF SAID GOVERMENT LOT 5 AND THE WESTERLY RIGHT-OF-WAY MARGIN OF EAST MERCER WAY; THENCE N88°51'48"W, ALONG SAID NORTH LINE 163.93'

THENCE S67°25'49"E 20.08' TO SAID WESTERLY MARGIN AND A POINT OF NON-RADIAL INTERSECTION WITH A 603.14 ADIUS CURVE TO THE RIGHT, THE CENTER OF WHICH BEARS

THENCE NORTHEASTERLY, ALONG SAID CURVE AND RIGHT -OF-WAY MARGIN, THROUGH A CENTRAL ANGLE OF 02°39'31", A DISTANCE OF 27.99 FEET TO A POINT OF TANGENCY; THENCE N62°36'13"E, LONG SAID MARGIN, 223.54' TO THE POINT OF BEGINNING.

### **CODES USED**

2018 INTERNATIONAL BUILDING CODE (IBC) 2018 INTERNATIONAL RESIDENTIAL CODE (IRC) 2018 INTERNATIONAL MECHANICAL CODE (IMC) 2018 INTERNATIONAL FIRE CODE

2018 WASHINGTON STATE ENERGY CODE (WSEC)

## **DRAWING INDEX**

COVERSHEET

ROJECT INFORMATION, LEGAL ESCRIPTION, VICINITY MAP, SYMBOL EGEND, ABBREVIATIONS LIST, GENERAL OTES, VENTILATON & ENERGY NOTES, RAWING INDEX

JRVEY

SITE PLAN

ITLE SHEET ESC PLAN

OAD, GRADING, STORM DRAINAGE

TORMWATER DETAILS REE PLAN

- OWER FLOOR PLAN
- AIN FLOOR PLAN
- ECOND FLOOR
- ROOF PLAN
- ORTH ELEVATION
- SOUTH ELEVATION
- AST ELEVATION
- SOUTH ELEVATION

- A4.1 SECTION
- A4.2 SECTION
- **S1.0** GENERAL STRUCTURAL NOTES
- **S2.0** FOUNDATION PLAN
- **S2.1** FIRST FLOOR FRAMING PLAN
- **S2.2** SECOND FLOOR FRAMING PLAN
- **S2.3** ROOF FRAMING **S2.4** FIRST & SECOND FLOOR STUD PLANS
- **S3.0** STRUCTURAL DETAILS
- **S3.1** STRUCTURAL DETAILS **S3.2** STRUCTURAL DETAILS

FORMWORKS DESIGN I BUILD SEAL S530 | REGISTERED
 S530 | REGISTERED
 S530 | REGISTERED
 S530 | STERED
 S530 | ST ARCHITECT ALLAN BLAIN CLARK STATE OF WASHINGTON CONSULTANT PROJECT 

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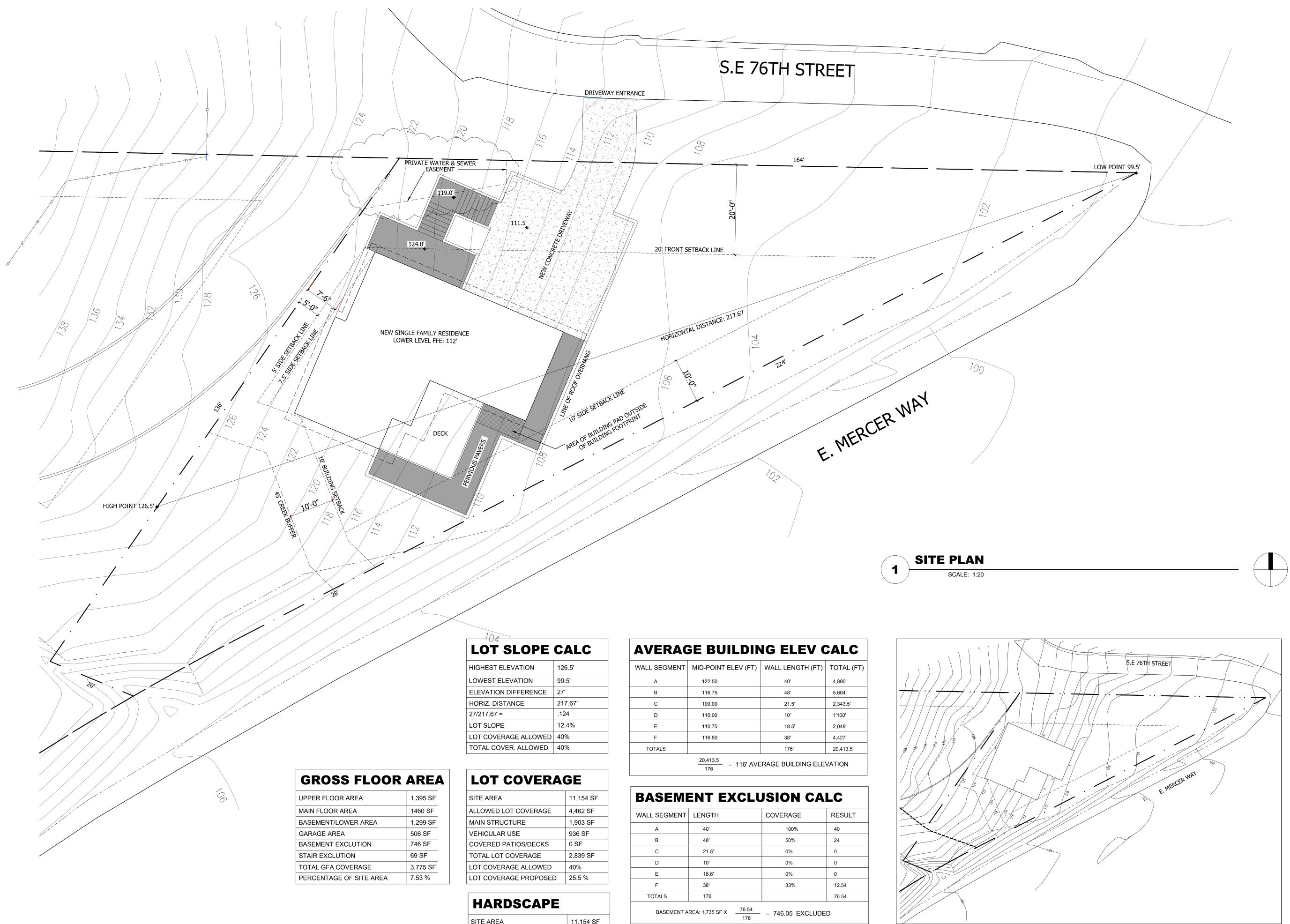
08.17.2021 PERMIT SUBMITTAL

SHEET TITLE

## **COVER SHEET** PROJECT INFORMATION

SHEET NUMBER





101	
LOT SLOPE	CALC
HIGHEST ELEVATION	126.5'

99.5'
27'
217.67'
.124
12.4%
40%
40%

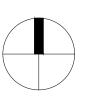
SITE AREA	11,154 SF
ALLOWED LOT COVERAGE	4,462 SF
MAIN STRUCTURE	1,903 SF
VEHICULAR USE	936 SF
COVERED PATIOS/DECKS	0 SF
TOTAL LOT COVERAGE	2,839 SF
LOT COVERAGE ALLOWED	40%
LOT COVERAGE PROPOSED	25.5 %

SITE AREA	11,154 SF
ALLOWED HARDSCAPE 9%	1,004 SF
WALKWAYS	403 SF
STAIRS	126 SF
RETAINING WALLS	128 SF
STAIR LANDING	183 SF
TOTAL HARDSCAPE AREA	840 SF
PERCENTAGE OF SITE AREA	7.53 %

WALL SEGMENT	MID-POINT ELEV (FT)	WALL LENGTH (FT)	TOTAL (FT)
А	122.50	40'	4,890'
В	116.75	48'	5,604'
С	109.00	21.5'	2,343.5'
D	110.00	10'	1'100'
E	110.75	18.5'	2,049'
F	116.50	38'	4,427'
TOTALS		176'	20,413.5'

WALL SEGMENT	LENGTH	COVERAGE	RESULT
А	40'	100%	40
В	48'	50%	24
С	21.5'	0%	0
D	10'	0%	0
E	18.6'	0%	0
F	38'	33%	12.54
TOTALS	176		76.54
BASEMENT AREA: 1,735 SF X $\frac{76.54}{176}$ = 746.05 EXCLUDED			

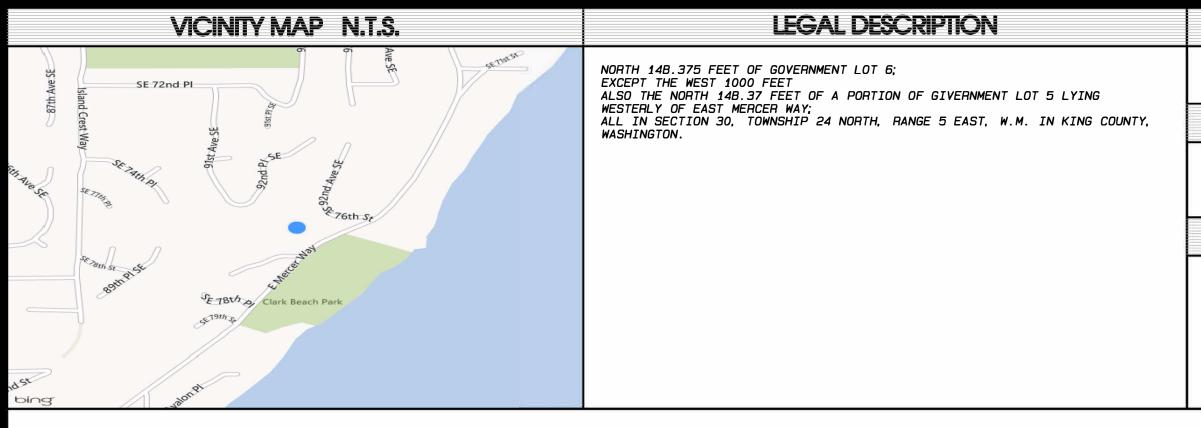


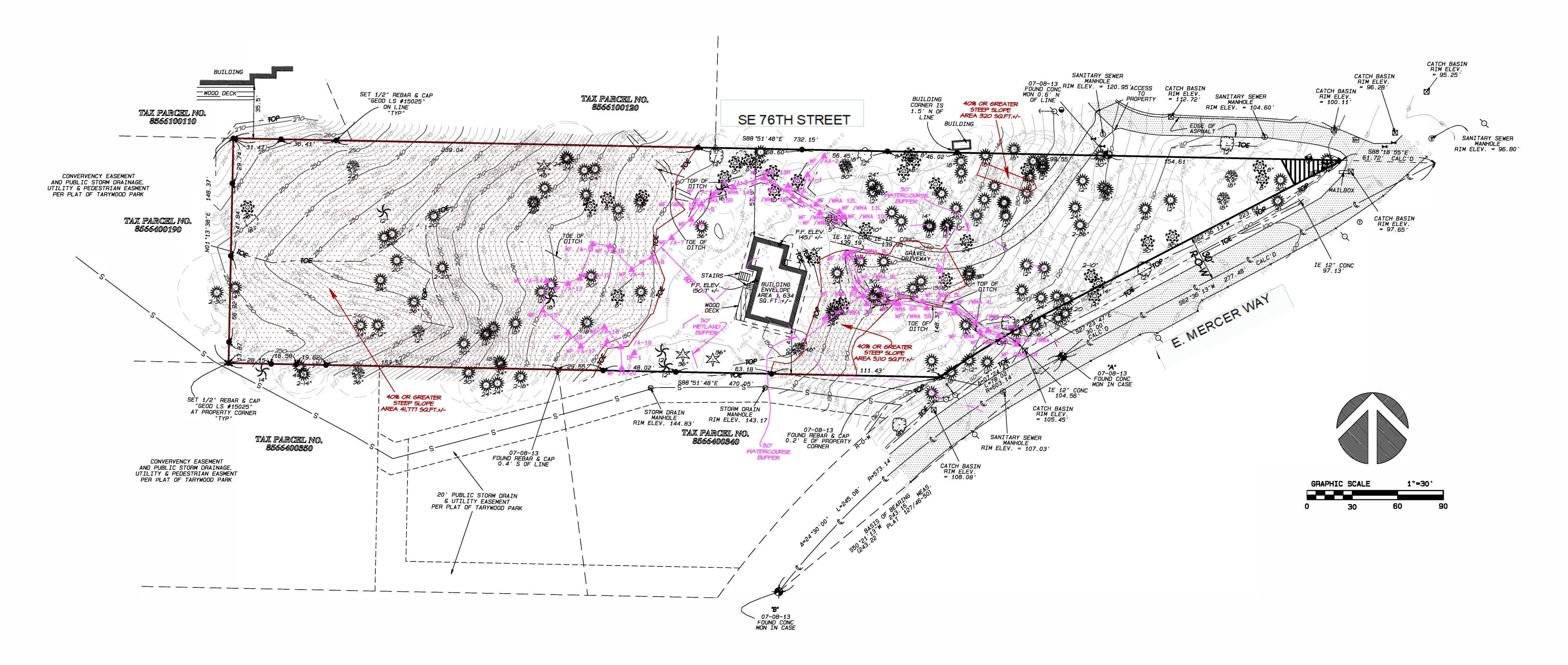


SHEET NUMBER

**A-1** 







			~	
			JOB NUMB	E
			DATE:	
			DRAFTED	B
TOPOGRAPHIC & BOUNDARY SU	IVXI	ΞY	CHECKED	B
			SCALE:	
	REVISI	ION HISTORY	REVISIO	N
	DATE:	06/20/2016	DATE:	0
	DATE:	07/12/2016	SHEET	N
	DATE:	03/24/2017	1 0	F

BEARING MERIDIAN	SURVEYOR'S NOTES	
A BEARING OF S50 °21'13"W BETWEEN TWO FOUND MONUMENTS, "A" AND "B", PER THE PLAT OF TARYWOOD PARK, AS RECORED IN VOLUME 127 OF PLATS, PAGES 46-50, RECORDS OF KING COUNTY, WA.	1) THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN JULY OF 2013.	+ ∳ Fi ● Si
VERTICAL DATUM CITY OF MERCER ISLAND BENCH MARK NO. 2415 (NAVO BB) (VISITED 07/0B/2013) FOUND "4" "X4"" CONC W/COPPER TACK IN LEAD (ON 1.0')", LOCATED "250FT S, INTX E MERCER WAY & SE 76TH ST". ELEVATION = 104.47' METHOD OF SURVEY	<ul> <li>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 CONVIENENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.</li> <li>2) SUBJECT PROPERTY TAX PARCEL NO. 3024059036.</li> <li>3) SUBJECT PROPERTY AREA PER THIS SURVEY IS BB, 557 SQ.FT.+/</li> <li>4) A TITLE REPORT WAS NOT FURNISHED AND THEREFORE, EASEMENTS IF ANY, ARE NOT SHOWN ON THIS MAP.</li> <li>5) THE TOP/TOE OF SLOPE SHOWN ON THIS SURVEY IS THE FIELD</li> </ul>	⊗ FU Q U ⊠ C, © S, E EU X SU TO F.
INSTRUMENTATION FOR THIS SURVEY WAS A LEICA ELECTRONIC DISTANCE MEASURING UNIT. PROCEDURES USED IN THIS SURVEY WERE DIRECT AND REVERSE ANGLES, NO CORRECTION NECESSARY. MEETS STATE STANDARDS SET BY WAC 332-130-090.	CREWS INTERPRETATION OF THE TOP/TOE OF SLOPE. THIS DOES NOT REPRESENT THE LIMITS OF A "40%" SLOPE AREA.	<ul> <li>(5) S</li> <li>⋈</li> <li>⋈</li> <li>⋈</li> <li>G</li> <li>G</li> <li>G</li> <li>C</li> <li>T</li> <li>T</li> <li>T</li> <li>T</li> </ul>



	LEGEND	
FOUND MONUMENT AS NOTED SET REBAR & CAP AS NOTED FOUND REBAR & CAP AS NOTED UTILITY POLE CATCH BASIN SANITARY SEWER MANHOLE FINISHED FLOOR ELEVATION ELECTRIC METER SPOT ELEVATION FIRE HYDRANT STORM DRAIN MANHOLE WATER VALVE GAS VALVE ELECTRIC TRANSFORMER CABLE TV POLE TELEPHONE RISER TELEPHONE MANHOLE	ASPHALT SURFACE ASPHALT SURFACE STAIRS DECK GRAVEL SURFACE R-O-W RIGHT-OF-WAY ( ) RECORD AS NOTED "TYP" TYPICAL UILDING LINE CENTERLINE OF ROAD SLOPE AS NOTED LINE GUY WIRE	<ul> <li>COTTON TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>REDWOOD TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>CEDAR TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>ALDER TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>MAPLE TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>HEMLOCK TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>HEMLOCK TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>FIR TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>FIR TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> <li>DECIDUOUS TREE (NOT SHOWN TO SCALE) TRUNK DIA SHOWN IN INCHES.</li> </ul>

POGRAPHIC & BOUNDARY SURVEY 1/4 OF THE SW 1/4 AND THE NW 1/4 OF THE SE 1/4 OF SEC. 30, TWP. 24N., RGE. 5E., W.M. CITY OF MERCER ISLAND, KING COUNTY, WA.	
<b>CHESHIRE RESIDENCE</b> 7615 E. MERCER WAY MERCER ISLAND, WA. 98040	m e a s u r e

success

# **BUILDING PERMIT PLANS FOR** CHESHIRE SHORT PLATLOT 1 DEREK CHESHIRE

## VERTICAL DATUM

CITY OF MERCER ISLAND BENCH MARK NO. 2415 (NAVD 88) (VISITED 07/08/2013) FOUND "4""X4"" CONC W/COPPER TACK IN LEAD (DN 1.0')", LOCATED "250FT S, INTX E MERCER WAY & SE 76TH ST".

ELEVATION = 104.47'

## **METHOD OF SURVEY**

INSTRUMENTATION FOR THIS SURVEY WAS A LEICA ELECTRONIC DISTANCE MEASURING UNIT. PROCEDURES USED IN THIS SURVEY WERE DIRECT AND REVERSE ANGLES, NO CORRECTION NECESSARY. MEETS STATE STANDARDS SET BY WAC 332-130-090.

## BEARING MERIDIAN

A BEARING OF S50°21'13"W BETWEEN TWO FOUND MONUMENTS, "A" AND "B", PER THE PLAT OF TARYWOOD PARK, AS RECORED IN VOLUME 127 OF PLATS, PAGES 46–50, RECORDS OF KING COUNTY, WA.

## LEGAL DESCRIPTION

NORTH 148.375 FEET OF GOVERNMENT LOT 6; EXCEPT THE WEST 1000 FEET ALSO THE NORTH 148.37 FEET OF A PORTION OF GIVERNMENT LOT 5 LYING WESTERLY OF EAST MERCER WAY; ALL IN SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M. IN KING COUNTY, WASHINGTON.

## SURVEYOR'S NOTES

- 1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN JULY OF 2013. 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 CONVIENENCE ONLY. DESIGN SHOULD RELY ON SPOT ELEVATIONS.
- 2. SUBJECT PROPERTY TAX PARCEL NO. 3024059036.
- 3. SUBJECT PROPERTY AREA PER THIS SURVEY IS 88,557 SQ.FT.+/-.
- 4. A TITLE REPOART WAS NOT FURNISHED AND THEREFORE, EASEMENTS IF ANY, ARE NOT SHOWN ON THIS MAP.
- 5. THE TOP/TOE OF SLOPE SHOWN ON THIS SURVEY IS THE FIELD CREWS INTERPRETATION OF THE TOP/TOE OF SLOPE. THIS DOES NOT REPRESENT THE LIMITS OF A "40%" SLOPE AREA.

### **SETBACKS**

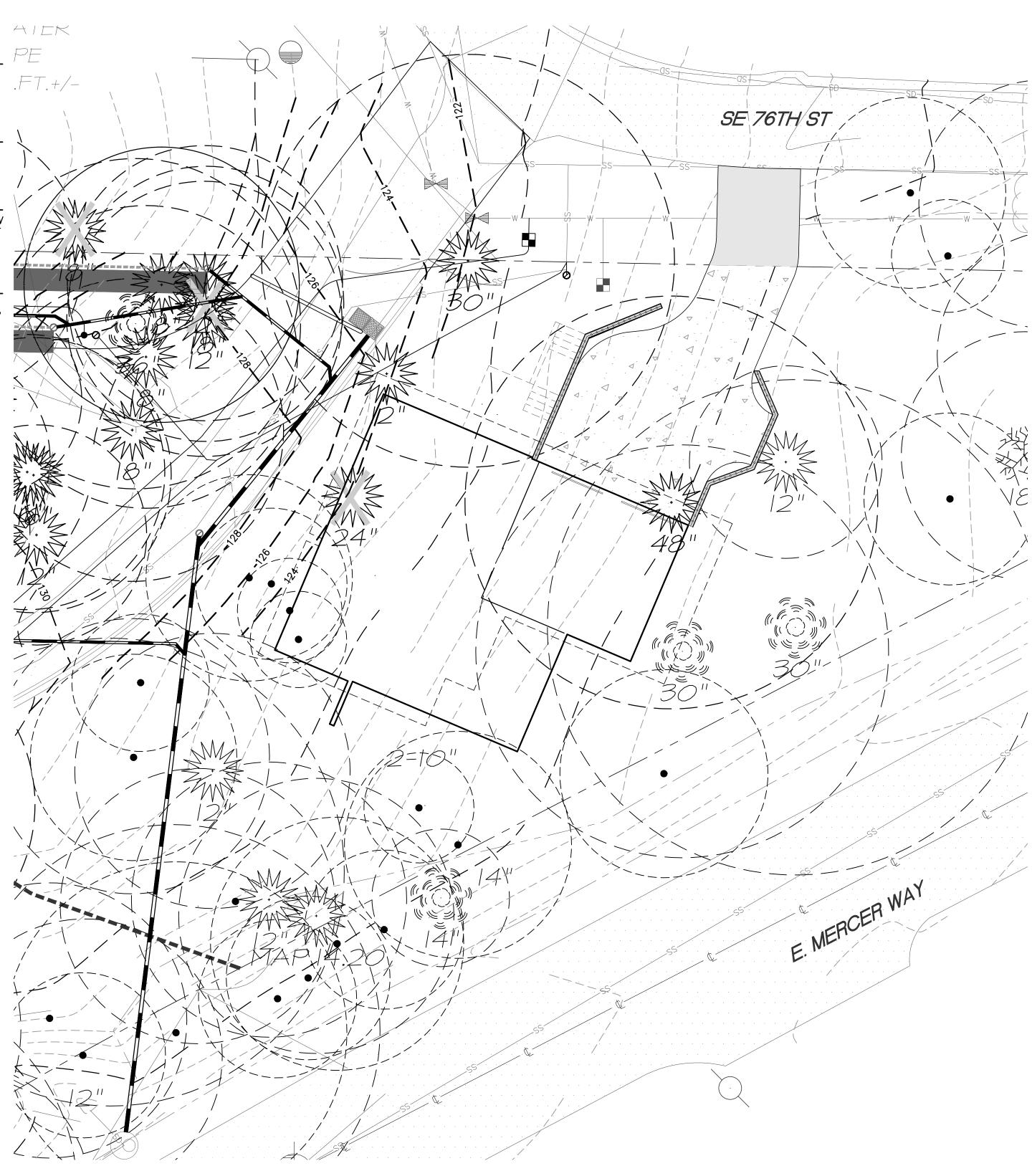
RONT DE EAR	20' VARIABLE SEE MICC 19.02.020(C)(1)(c)(iii) 25'
SITE STATISTIC	S
ARCEL NO:	302405-9036
)TAL AREA: (+/–)	92,347 S.F. (2.12± ACRES)
ROPOSED NUMBER OF LOTS	2
AXIMUM UNITS:	2
ONING	R-9.6
KISTING USE:	SINGLE FAMILY RESIDENTIAL
ROPOSED USE:	SINGLE FAMILY RESIDENTIAL
AXIMUM BUILDING HEIGHT:	30' ABOVE TO THE HIGHEST POINT OF THE ROOF
AXIMUM IMPERVIOUS SURFACE:	
LOT SLOPE	LOT COVERAGE (LIMIT FOR IMPERVIOUS SURFACE)
LESS THAN 15% 15% TO LESS THAN 30% 30% TO 50% GREATER THAN 50% SLO	30%

MARE PROPOSED

30% TO 50% GREATER THAN 50% SLOPE

LOT 1 HAS A SLOPE OF 12%, THEREFORE THE MAXIMUM LOT COVERAGE IS 40% OR 4,461 SF.

SCALE: 1'' = 10'



## SHEET INDEX

C1.01	TITLE SHEET
C2.01	PRELIMINARY SHORT PLAT
C3.01	ROAD, GRADING & STORM DRAINAGE PLAN
C3.21	STORMWATER DETAILS
C4.01	TREE PLAN

## APPLICANT/OWNER

DEREK CHESHIRE 7615 MERCER WAY MERCER ISLAND, WA 98040 DCHESHIRE@BOSKONE.NET

## ENGINEER

CORE DESIGN, INC. 12100 NE 195TH ST, SUITE 300 BOTHELL, WA 98011 (425) 885–7877 CONTACT: SHERI MURATA, P.E. – ENGINEER SHM@COREDESIGNINC.COM

## **SURVEYOR**

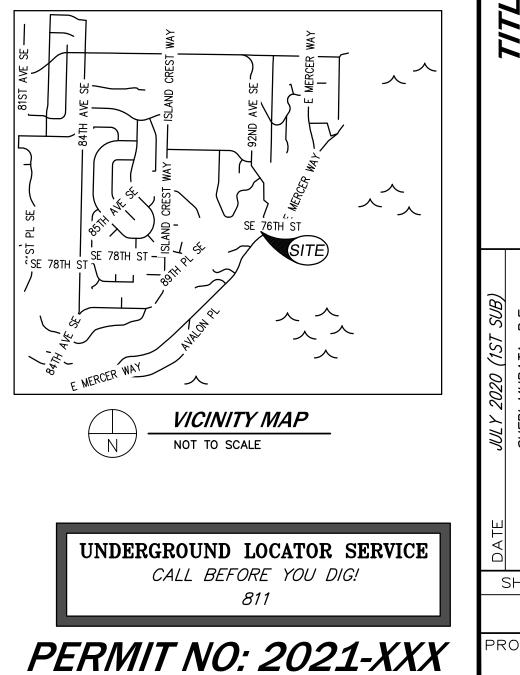
TERRANE 10801 MAIN STREET, SUITE 102 BELLEVUE, WA. 98004 (425) 458–4488 CONTACT: EDWIN J. GREEN SUPPOR T@TERRANE.NET

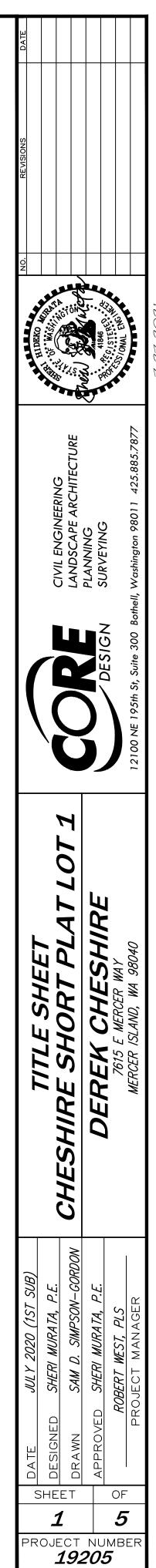
## ARBORIST

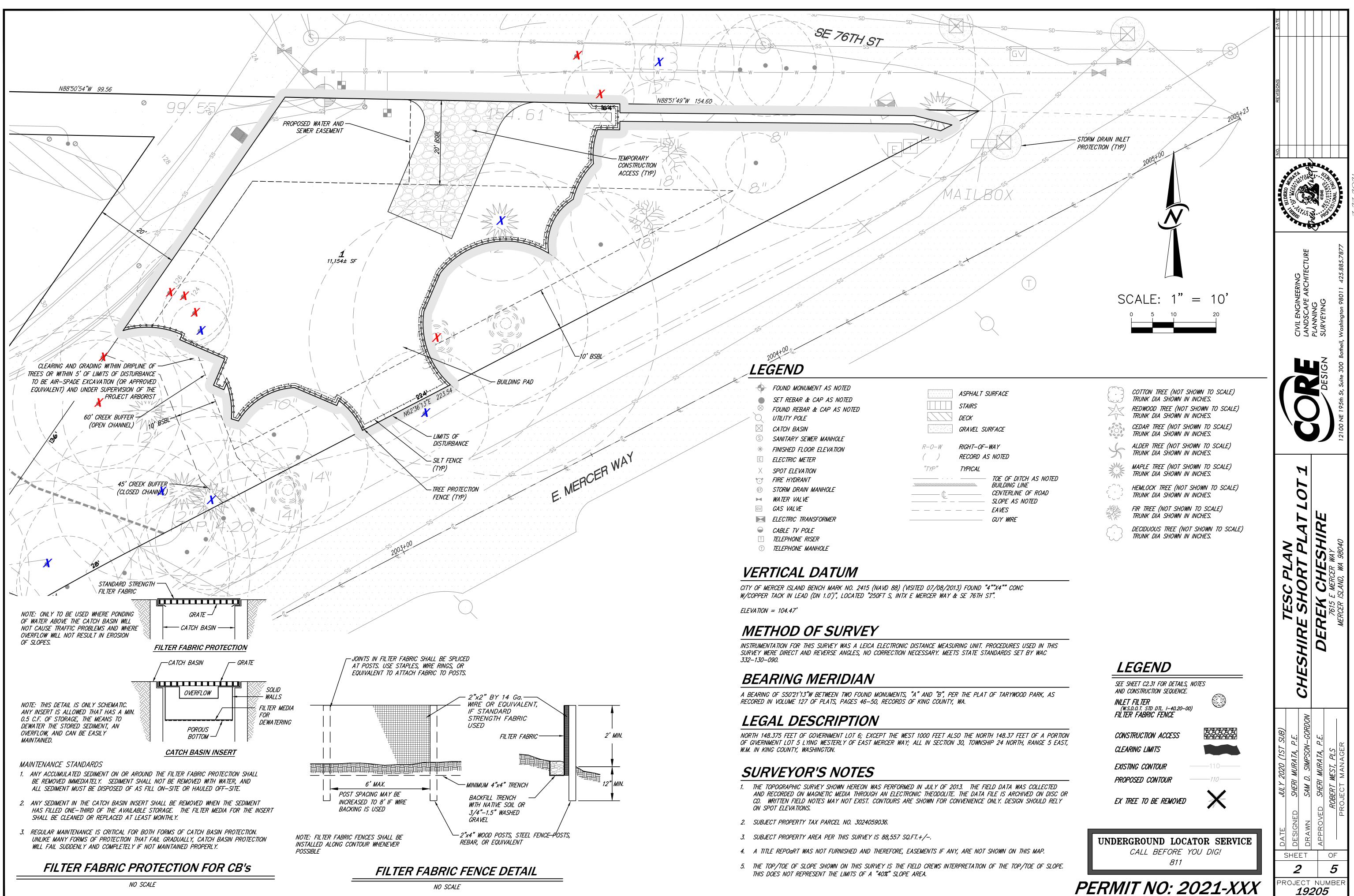
A.B.C. CONSULTING ARBORISTS, LLC DANIEL J. MAPLE (509) 953-0293 DANIEL@ABCARBORIST.COM

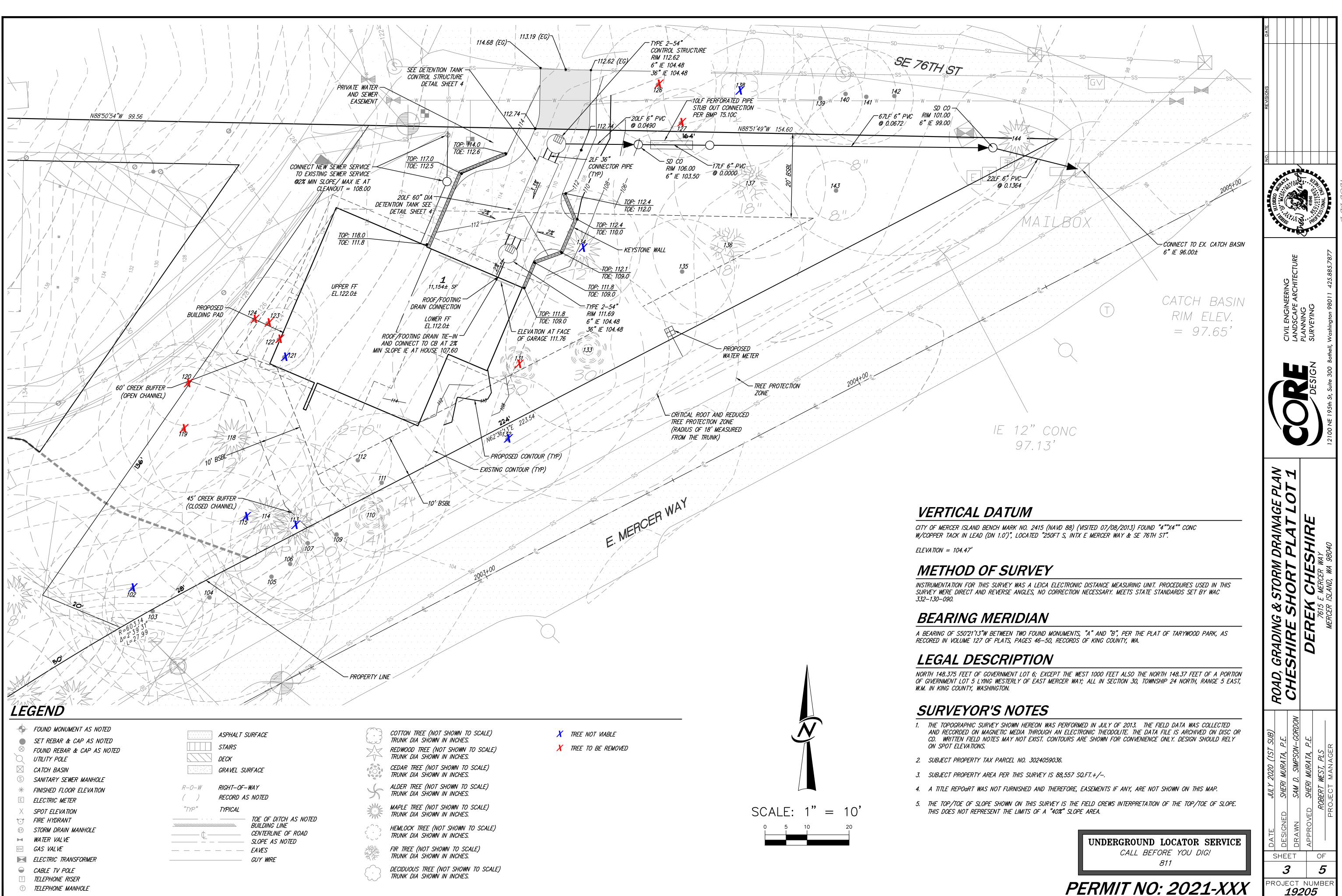
## **GEOTECHNICAL ENGINEER**

TERRA ASSOCIATES, INC. 12220 113TH AVENUE NE, SUITE 130 KIRKLAND, WA. 98034 (425) 821–7777 CONTACT CAROLYN DECKER



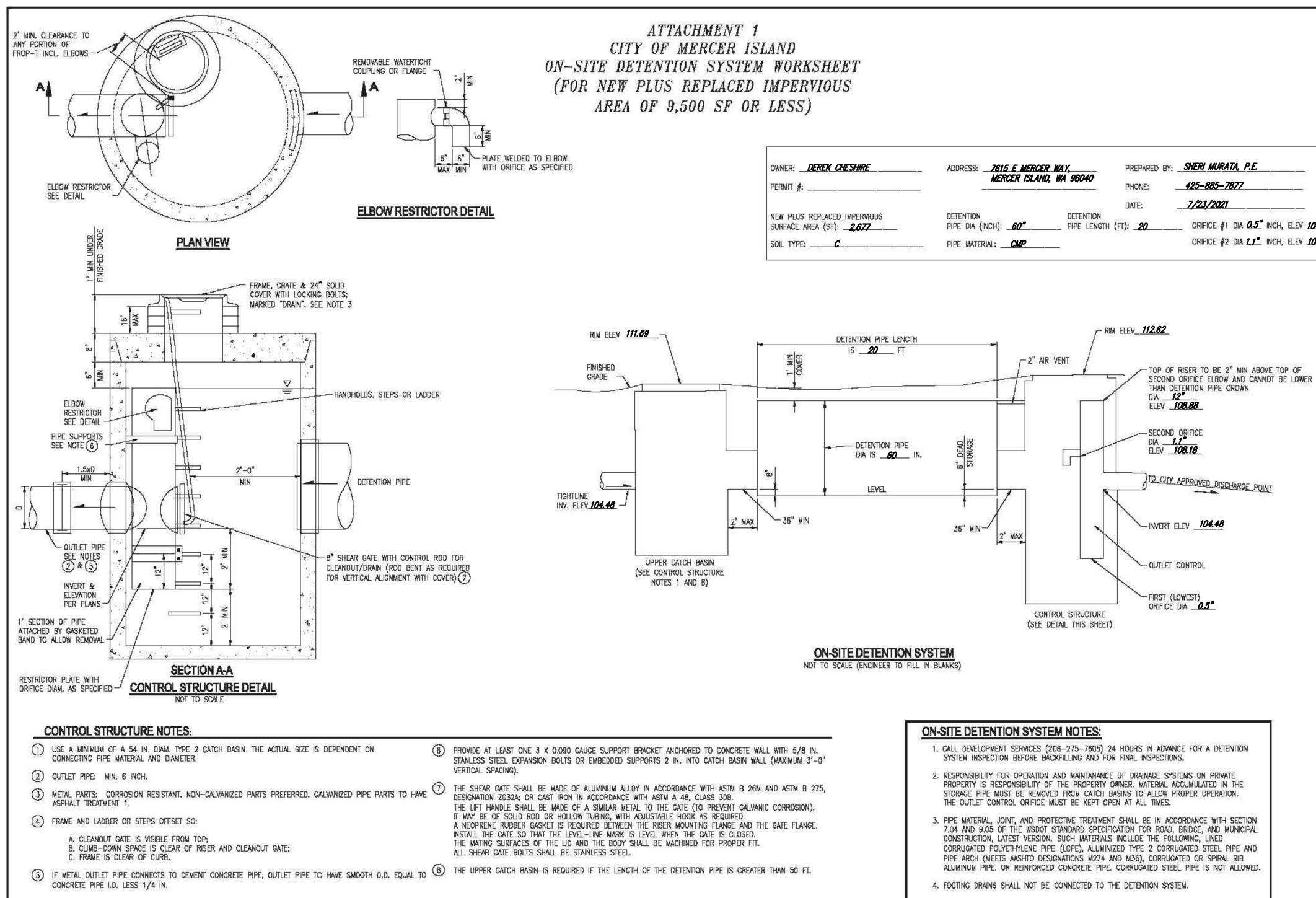






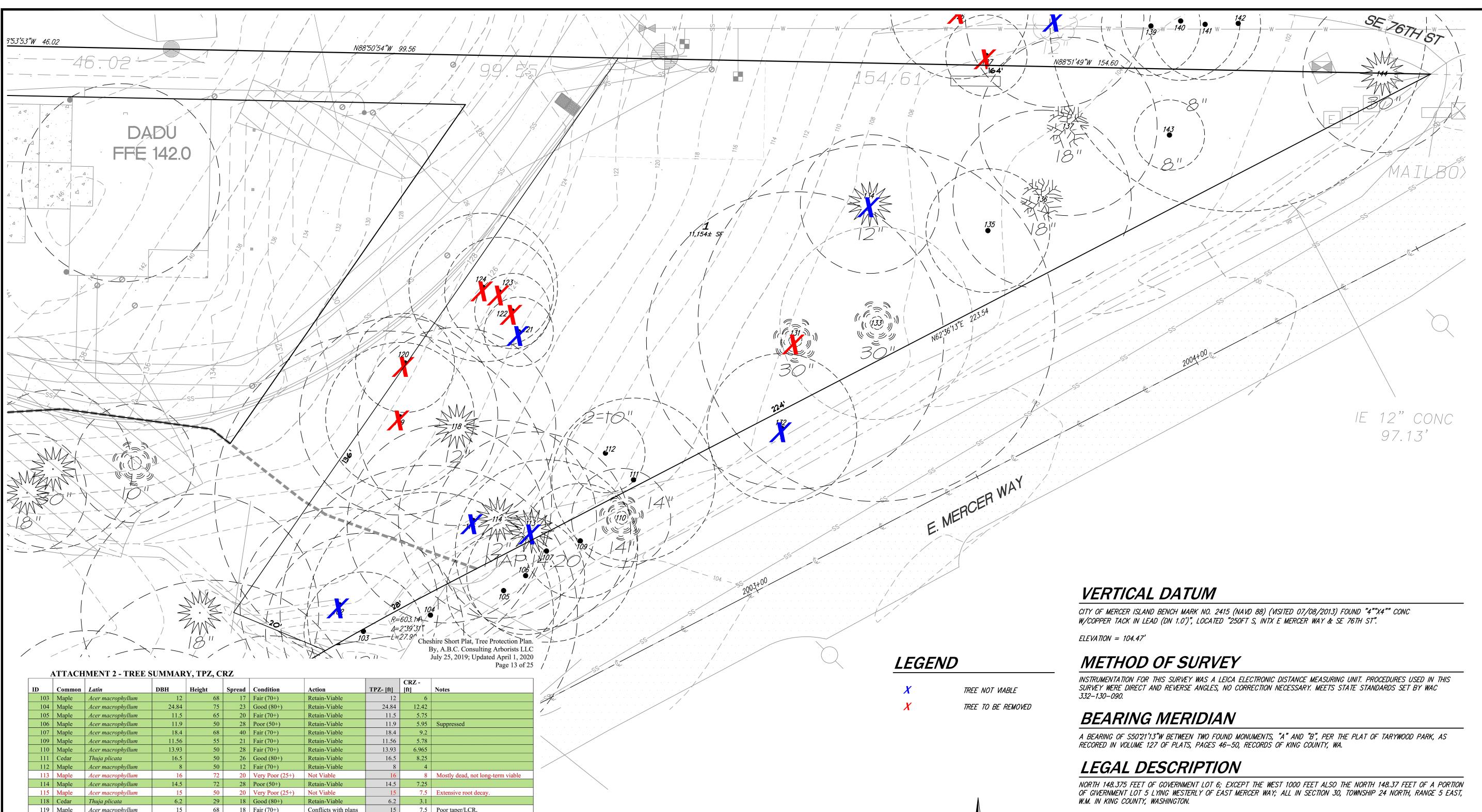
19205

- TELEPHONE MANHOLE



OWNER:	ADDRESS: MERCER WAY,	PREPARED BY:	SHERI MURATA, P.E.
Permit #:	MERCER ISLAND, WA 98040	PHONE:	425-885-7877
		DATE:	7/23/2021
NEW PLUS REPLACED IMPERVIOUS SURFACE AREA (SF): <b>677</b>	DETENTION DETENTION PIPE DIA (INCH): <u>60"</u> PIPE LENGT	н (гт): <b>_20</b>	ORIFICE #1 DIA 0.5" INCH, ELEV 10
SOIL TYPE:C	PIPE MATERIAL:		ORIFICE #2 DIA 1.1" INCH, ELEV 10

	NO. REVISIONS DATE DATE	
	HIDERO MISSING CONNUL ENCOURT	7-27-2021
104.48	CIVIL ENGINEERING LANDSCAPE ARCHITECTURE PLANNING SURVEYING sURVEYING	
3	CIVIL ENGINEER CIVIL ENGINEER LANDSCAPE ARC PLANNING SURVEYING SURVEYING 12100 NE 195th St, Suite 300 Bothell, Washington 98011	
	CHESHIRE SHORT DETAILS CHESHIRE SHORT PLAT LOT 1 DEREK CHESHIRE 7615 E MERCER MAY MERCER ISLAND, WA 98040	
UNDERGROUND LOCATOR SERVICE CALL BEFORE YOU DIG! 811	Date     JULY 2020 (IST SUB)       H     DESIGNED     SHERI MURATA, P.E.       DRAWN     SAM D. SIMPSON-GORDON       APPROVED     SHERI MURATA, P.E.       Indiana     APPROVED       Indiana     SAM D. SIMPSON-GORDON       Indiana     APPROVED       Indiana     SHERI MURATA, P.E.       Indiana     APPROVED       Indiana     APPROVED       Indiana     P.E.       Indiana <td< th=""><th></th></td<>	
PERMIT NO: 2021-XXX	PROJECT NUMBER <b>19205</b>	



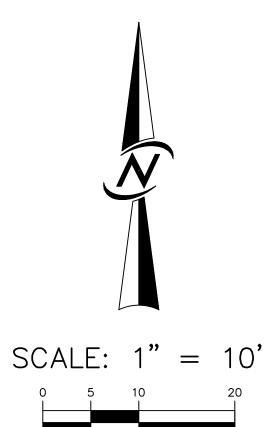
ID	Common	Latin	DBH	Height	Spread	Condition	Action	TPZ- [ft]	CRZ - [ft]	Notes
103	Maple	Acer macrophyllum	12	68	17	Fair (70+)	Retain-Viable	112 [14]	6	
104	Maple	Acer macrophyllum	24.84	75	23	Good (80+)	Retain-Viable	24.84	12.42	
105	Maple	Acer macrophyllum	11.5	65	20	Fair (70+)	Retain-Viable	11.5	5.75	
106	Maple	Acer macrophyllum	11.9	50	28	Poor (50+)	Retain-Viable	11.9	5.95	Suppressed
107	Maple	Acer macrophyllum	18.4	68	40	Fair (70+)	Retain-Viable	18.4	9.2	
109	Maple	Acer macrophyllum	11.56	55	21	Fair (70+)	Retain-Viable	11.56	5.78	
110	Maple	Acer macrophyllum	13.93	50	28	Fair (70+)	Retain-Viable	13.93	6.965	
111	Cedar	Thuja plicata	16.5	50	26	Good (80+)	Retain-Viable	16.5	8.25	
112	Maple	Acer macrophyllum	8	50	12	Fair (70+)	Retain-Viable	8	4	
113	Maple	Acer macrophyllum	16	72	20	Very Poor (25+)	Not Viable	16	8	Mostly dead, not long-term viable
114	Maple	Acer macrophyllum	14.5	72	28	Poor (50+)	Retain-Viable	14.5	7.25	
115	Maple	Acer macrophyllum	15	50	20	Very Poor (25+)	Not Viable	15	7.5	Extensive root decay.
118	Cedar	Thuja plicata	6.2	29	18	Good (80+)	Retain-Viable	6.2	3.1	
119	Maple	Acer macrophyllum	15	68	18	Fair (70+)	Conflicts with plans	15	7.5	Poor taper/LCR,
120	Maple	Acer macrophyllum	10	48	18	Fair (70+)	Conflicts with plans	10	5	
121	Cedar	Thuja plicata	7	28	15	Poor (50+)	Not Viable	7	3.5	Previously uprooted
122	Cedar	Thuja plicata	7.6	30	15	Fair (70+)	Conflicts with plans	7.6	3.8	
123	Cedar	Thuja plicata	11	42	26	Good (80+)	Conflicts with plans	11	5.5	
124	Cedar	Thuja plicata	15	45	22	Fair (70+)	Conflicts with plans	15	7.5	
126	Maple	Acer macrophyllum	13.87	50	34	Good (80+)	Conflicts with plans	13.87	6.935	
127	W. Pine	Pinus monticola	8.2	48	18	Good (80+)	Conflicts with plans	8.2	4.1	
131	Redwood	Sequoia sempervirens	28	98	35	Excellent (90+)	Conflicts with plans	21	10.5	
132	Alder	Alnus rubra	12.1	50	0	Dead (0)	Not Viable	15.125	7.5625	
133	Cedar	Thuja plicata	36	90	24	Excellent (90+)	Retain-Viable	36	18	
134	Maple	Acer macrophyllum	13	40	29	Poor (50+)	Not Viable	13	6.5	Suppressed /bowed crown/ not via
135	Cherry	Prunus ssp.	10	45	22	Fair (70+)	Retain-Poor cond.	12.5	6.25	
136	Cedar	Thuja plicata	11.1	40	22	Good (80+)	Retain-Viable	11.1	5.55	
137	Fir	Pseudotsuga menziesii	22	98	30	Good (80+)	Retain-Viable	22	11	
138	Alder	Alnus rubra	16	50	26	Fair (70+)	Not Viable	20	10	Top $\frac{1}{2}$ is dead.
139	Cedar	Thuja plicata	10	34	15	Good (80+)	Retain-Viable	10	5	
140	Cedar	Thuja plicata	12	45	25	Good (80+)	Retain-Viable	12	6	
141	Cedar	Thuja plicata	11.2	43	25	Good (80+)	Retain-Viable	11.2	5.6	
										Tree has been topped @ 20'. Monitor and mitigation prune as
142	Maple	Acer macrophyllum	38	25	25	Very Poor (25+)	Retain-Viable	38	19	needed
143	Cedar	Thuja plicata	7.1	40	25	Good (80+)	Retain-Viable	7.1	3.55	
144	Maple	Acer macrophyllum	24	55	25	Fair (70+)	Retain-Viable	24	12	

needed. An Application of Cambistat 3-months Prior to construction and 4-inches of Mulch in the CRZ would be beneficial.

CONC

## SURVEYOR'S NOTES

- ON SPOT ELEVATIONS.



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NO. REVISIONS DATE			1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	Const. Endowed E		7-77-2021
	CIVIL ENGINEERING	EARCHITECTURE	PLANNING PLANNING PLANNING		12100 NE 195th St, Suite 300 Bothell, Washington 98011 425.885.7877	
	_	CHESHIKE SHUKI PLAI LUI 1	DFRFK CHESHIRF	7615 E MERCER WAY	MERCER ISLAND, WA 98040	
DATE JULY 2020 (1ST SUB)	DESIGNED SHERI MURATA, P.E.	DRAWN SAM D. SIMPSON-GORDON	APPROVED SHERI MURATA, P.E.	ROBERT WEST, PLS	PROJE	
	5HE 5 0JE	5	NU 204	ог 5 імв 5	,	

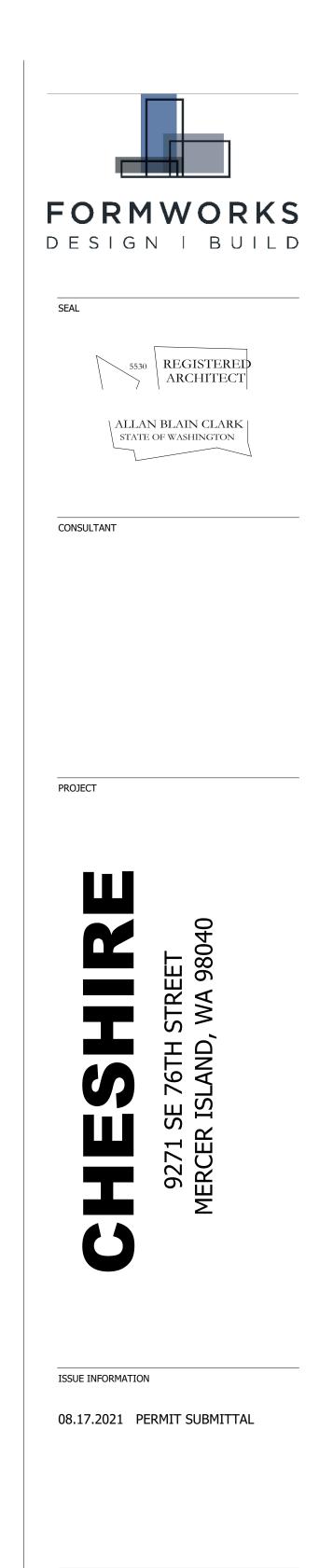


				, , -					CRZ -	
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142	Maple	Acer macrophyllum	38	25	25	Very Poor (25+)	Retain-Viable	38	19	Tree has been topped @ 20'. Monitor and mitigation prune as needed
142	Cedar		7.1	40	25	Good (80+)	Retain-Viable	7.1		lictucu
143	Maple	Thuja plicata Acer macrophyllum	24	40 55	25	Good (80+) Fair (70+)	Retain-Viable	24	3.55 12	
		Acer macrophytlum		<u> </u>			Retain-Viable			

I Made a field examination of Tree 133. It is viable to set the TPZ at 18-feet. Arborist Shall oversee Excavation and Prune Roots as needed. An Application of Cambistat 3-months Prior to construction and 4-inches of Mulch in the CRZ would be beneficial.

			Number of Tree
neasured d)	Tree replacement Ratio	Number of Trees Proposed for Removal	Required for Replacement Based on
	1 Exempt	3	Size/Type
	1 at 1:1	1	1
	2:1	5	10
	3:1	1	3
ional Tree	6:1	0	0
	TOTAL TI REPLACE	14	

	SPACING	QUANTITY
	10'	7
M		
LOCK	10'	4
SIANA		
OD	10'	3
LLII		
	TOTAL	14



SHEET TITLE

## PLANTING PLAN

SHEET NUMBER

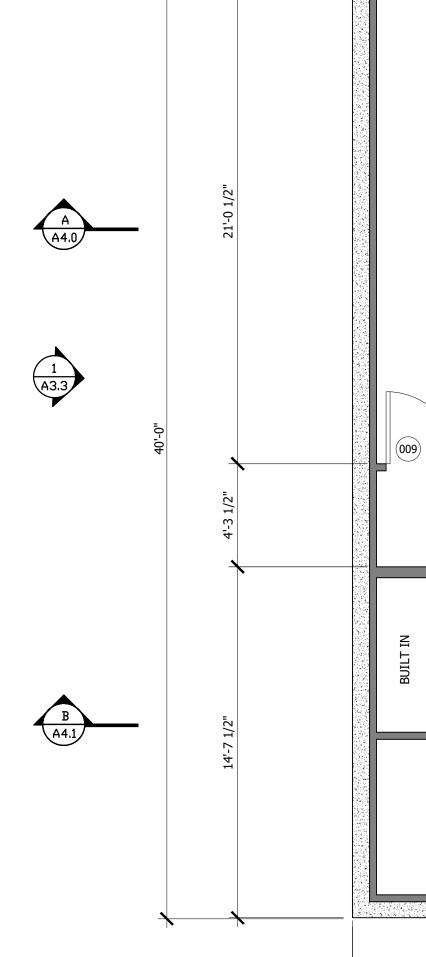


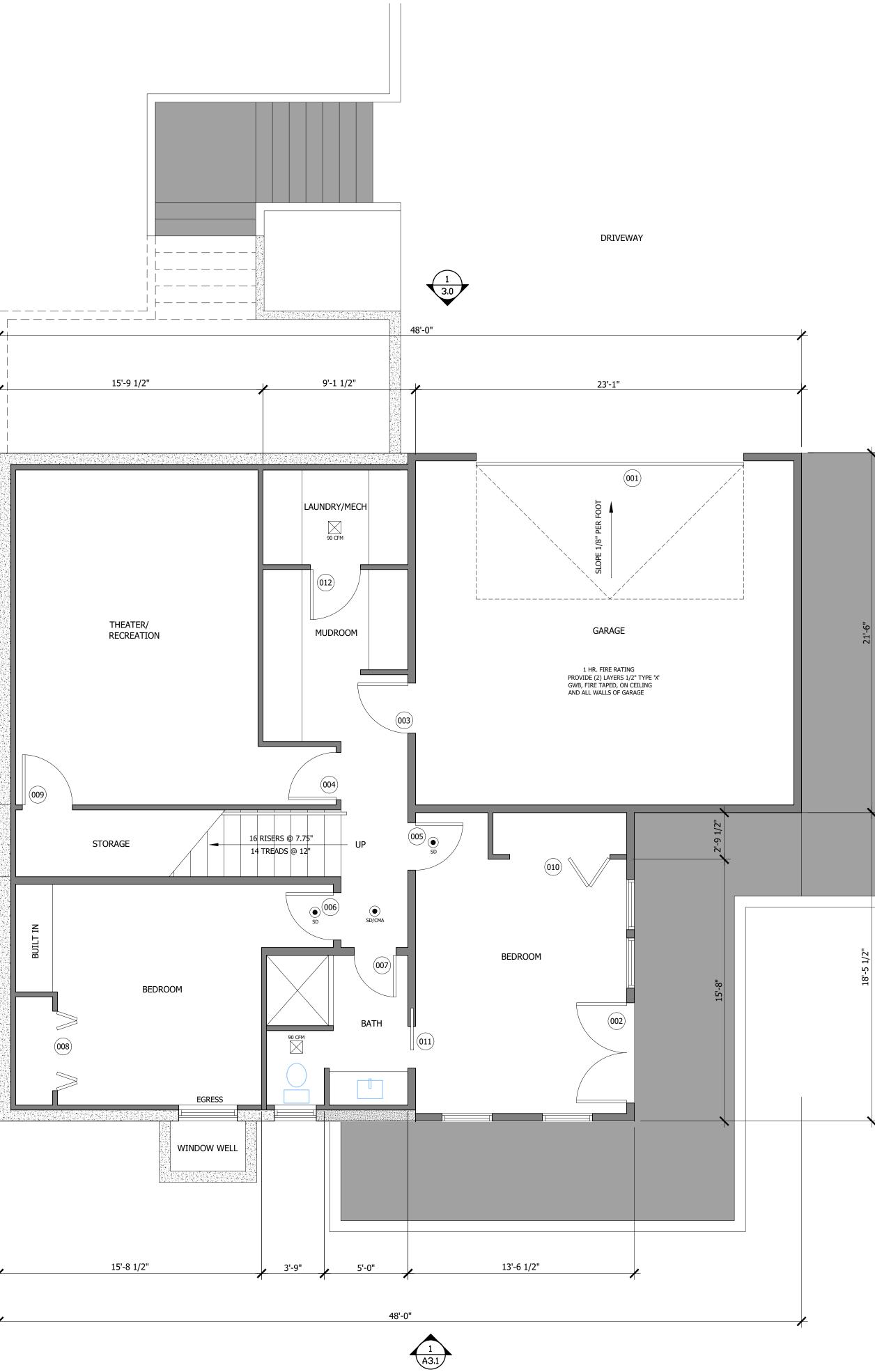
## LOWER FLOOR DOOR SCHEDULE

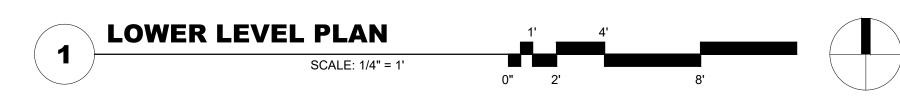
MARK	R.O. SIZE	TYPE	THICK	REMARKS
001	8'0 X 16'0	OVERHEAD GARAGE DOOR	1-3/4"	
002	6'0 X 7"0	EXTERIOR FRENCH DOORS	1-3/8"	GLAZED
003	3'0 X 7'0	SOLID CORE FLUSH	1-3/4"	1 HOUR FIRE RATED
004	2'10 X 7'0	SOLID CORE FLUSH	1-3/8"	
005	2'10 X 7'0	SOLID CORE FLUSH	1-3/8"	
006	2'10 X 7'0	SOLID CORE FLUSH	1-3/8"	
007	2'6 X 7'0	SOLID CORE FLUSH	1-3/8"	
008	5'0 X 7'0	SOLID CORE BI-FOLD DOORS	1-3/8"	
009	3'0 X 7'0	SOLID CORE FLUSH	1-3/8"	
010	6'0 X 7'0	SOLID CORE BI-FOLD DOORS	1-3/8"	
011	2'6 X 7'0	SOLID CORE FLUSH	1-3/8"	
012	3'0 X 7'0	SOLID CORE FLUSH	1-3/8"	

## PLAN KEY

- SD/CMA COMBINED SMOKE/CARBON MONOXIDE ALARM
- SMOKE DETECTOR  $(\bullet)$
- CFM EXHAUST VENTILATION FAN
- 0XX DOOR TAG









SHEET NUMBER



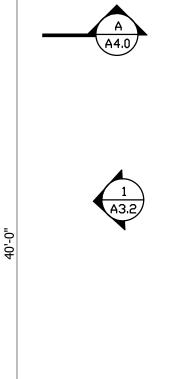
SHEET TITLE

08.17.2021 PERMIT SUBMITTAL

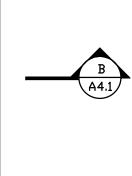
ISSUE INFORMATION

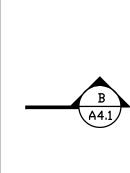


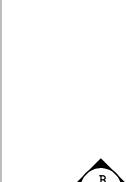
FORMWORKS DESIGN I BUILD SEAL 5530 REGISTERED ARCHITECT ALLAN BLAIN CLARK STATE OF WASHINGTON CONSULTANT PROJECT



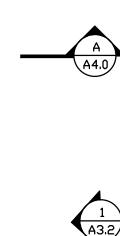














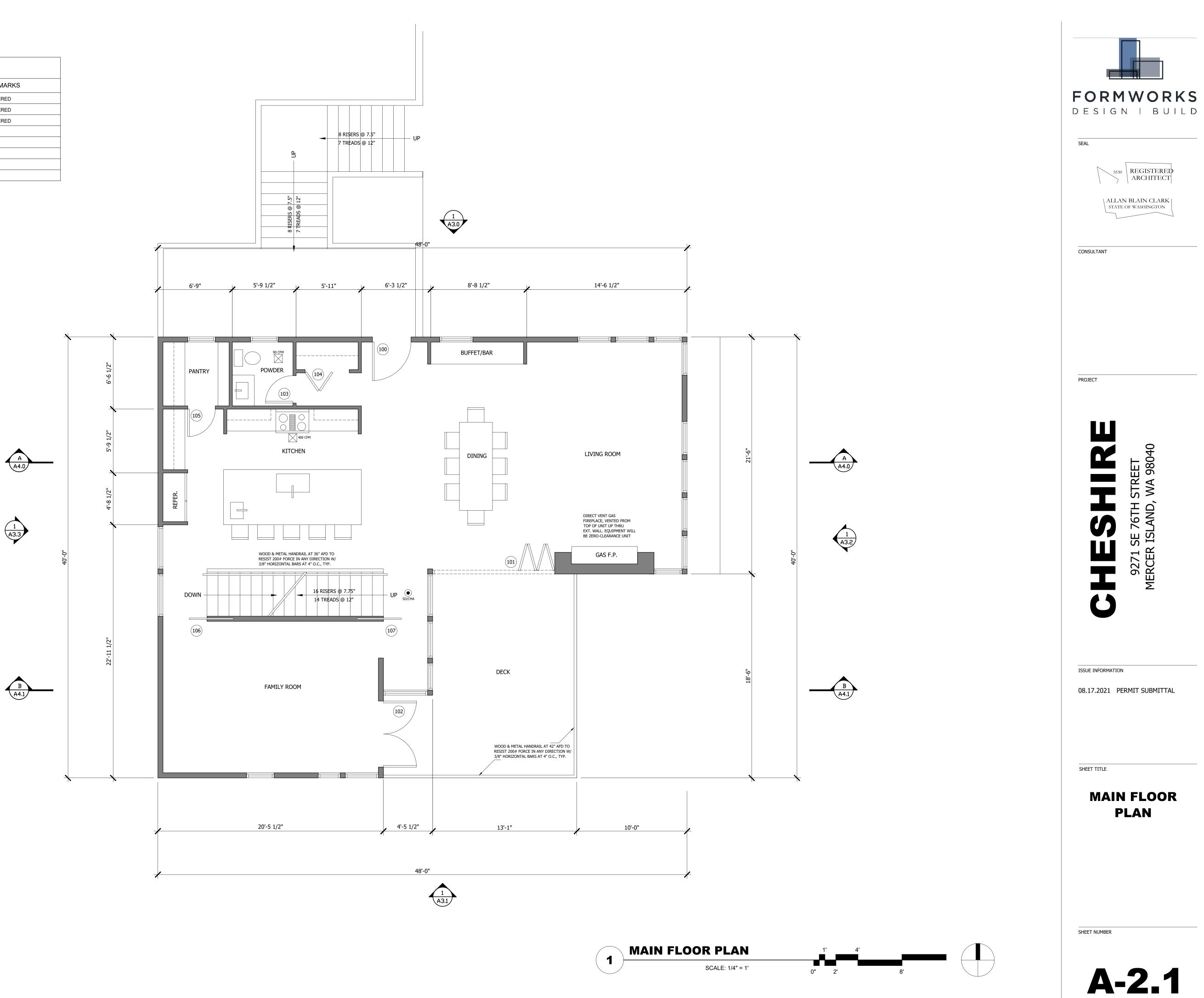


## MAIN FLOOR DOOR SCHEDULE

MARK	R.O. SIZE	TYPE	THICK	REMARKS
100	3'6 X 8'0	EXTERIOR ENTRY DOOR	1-3/4"	GLAZED, TEMPERED
101	11'0 X 8'0	NANOWALL	1-3/4"	GLAZED, TEMPERED
102	6'0 X 8'0	EXTERIOR FRENCH DOORS	1-3/4"	GLAZED, TEMPERED
103	2'6 X 8'0	SOLID CORE FLUSH	1-3/8"	
104	4'0 X 8'0	SOLID CORE BI-FOLD DOOR	1-3/8"	
105	2'6 X 8'0	SOLID CORE FLUSH	1-3/8"	
106	4'0 X 8'0	POCKET DOOR	1-3/8"	
107	4'0 X 8'0	POCKET DOOR	1-3/8"	

### PLAN KEY

- COMBINED SMOKE/CARBON MONOXIDE ALARM
- SMOKE DETECTOR
- CFM EXHAUST VENTILATION FAN
- 1XX DOOR TAG





SECOND FLOOR DOOR SCHEDULE			EDULE	
MARK	R.O. SIZE	TYPE	THICK	REMARKS
200	3'0 X 7'0	SOLID CORE FLUSH	1-3/8"	
201	2'10 X 7'0	SOLID CORE FLUSH	1-3/8"	
202	2'10 X 7'0	SOLID CORE FLUSH	1-3/4"	
203	2'6 X 7'0	SOLID CORE FLUSH	1-3/8"	
204	2'6 X 7'0	SOLID CORE FLUSH	1-3/8"	
205	2'6 X 7'0	SOLID CORE FLUSH	1-3/8"	
206	4'0 X 7'0	POCKET DOOR	1-3/8"	
207	3'0 X 7'0	POCKET DOOR	1-3/8"	
208	2'6 X 7'0	POCKET DOOR	1-3/8"	
209	5'0 X 7'0	SOLID CORE BI-FOLD CLOSET	1-3/8"	
210	10'0 X 8'0	NANOWALL		GLAZED, TEMPERED

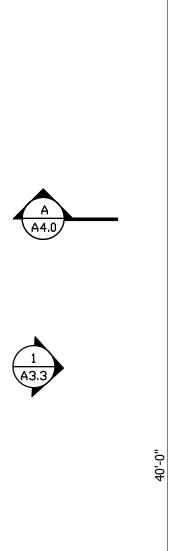
## PLAN KEY

SD/CMA COMBINED SMOKE/CARBON MONOXIDE ALARM

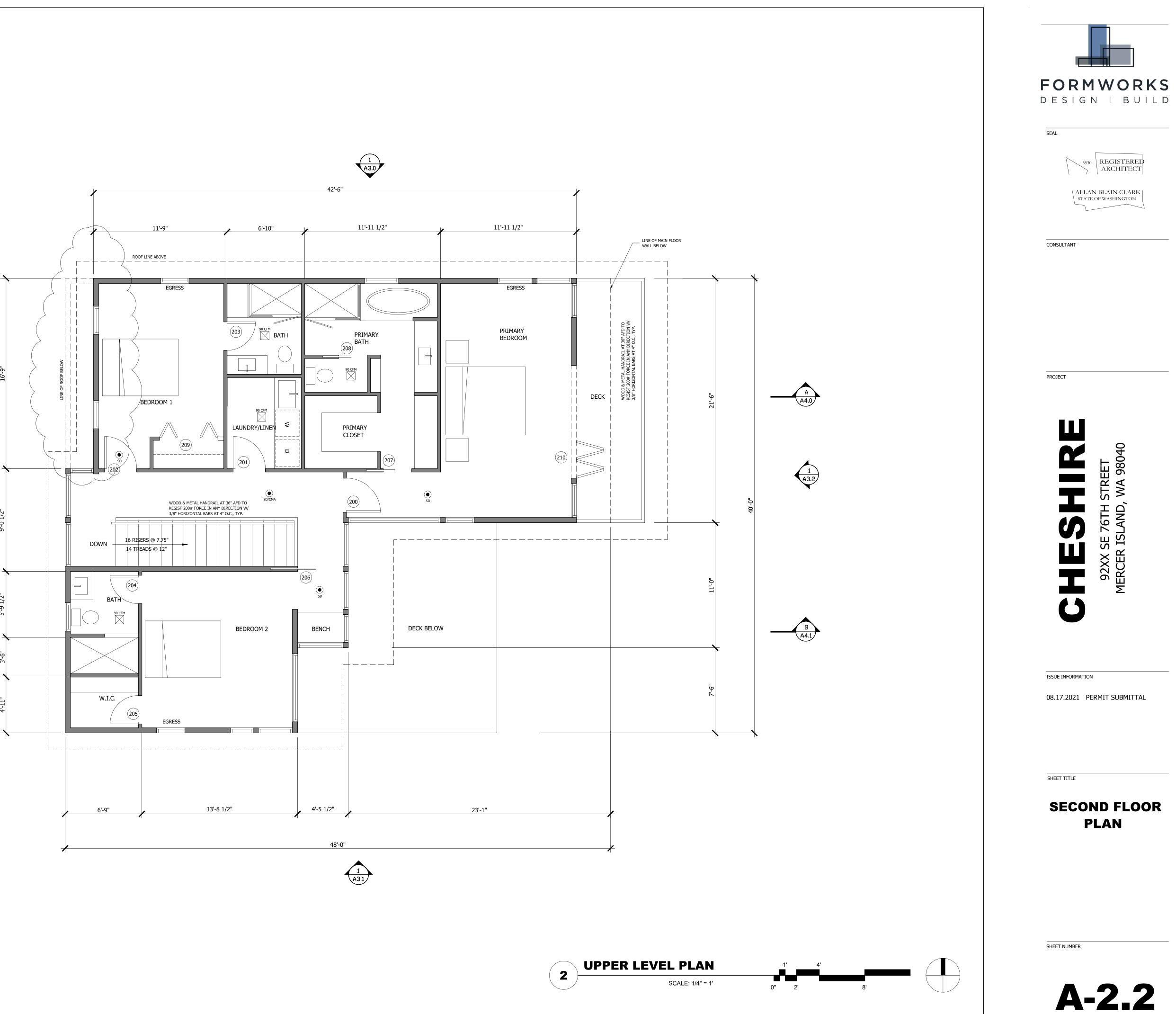
SMOKE DETECTOR

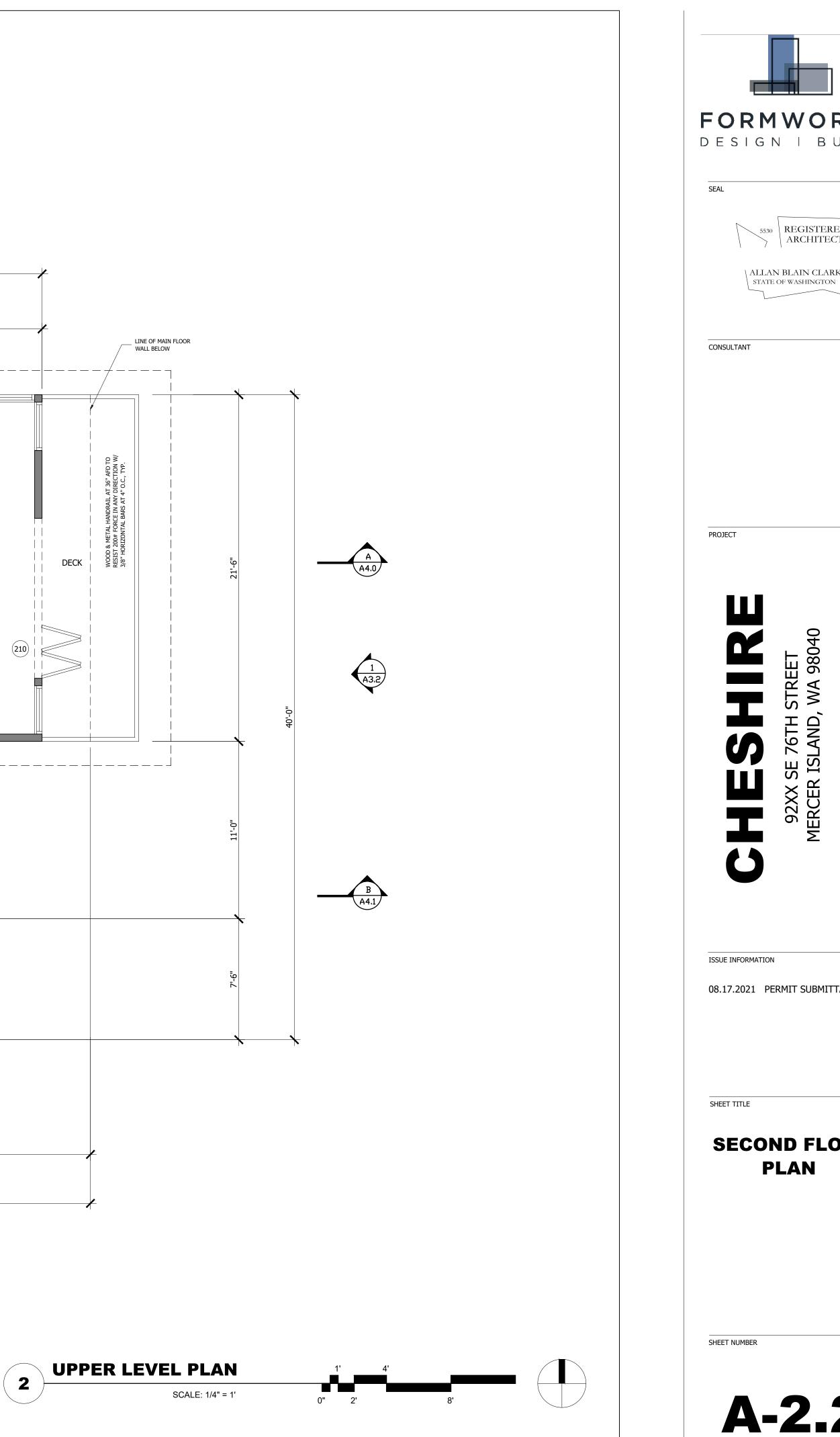
CFM EXHAUST VENTILATION FAN

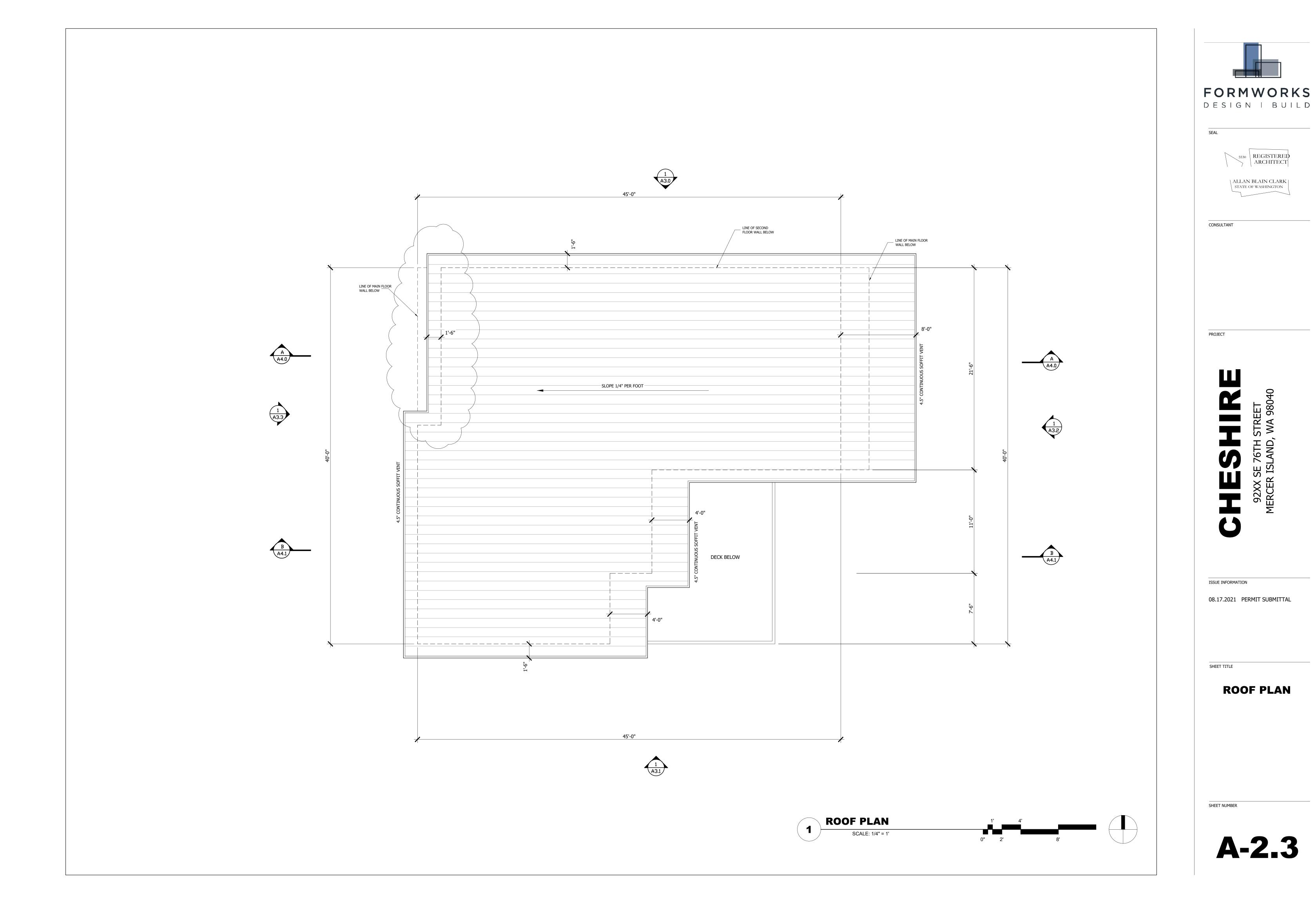
2XX DOOR TAG



B A4.1



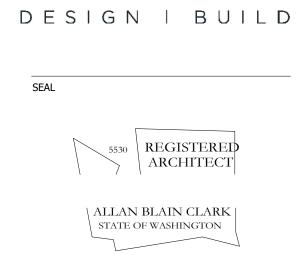




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ISSUE INFORMATION
08.17.2021 PERMIT SUBMITTAL
SHEET TITLE
<b>ROOF PLAN</b>
SHEET NUMBER
<b>A-2.3</b>



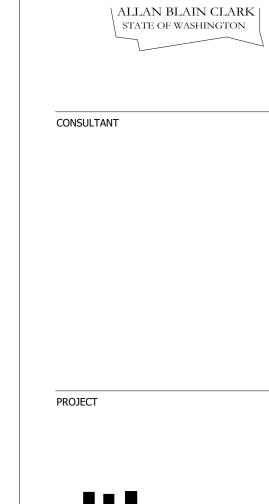
CONSULTANT



WIP	NDOM	SCHEDULE		
MARK	R.O. SIZE	TYPE	QTY	REMARKS
А	3'0 X 9'0	CASEMENT/FIXED	10	TEMPERED LOWER LITE
В	2'6 X 9'0	CASEMENT/ FIXED	2	TEMPERED LOWER LITE
С	3'0 X 5'6	CASEMENT	1	
D	2'6 X 5'6	CASEMENT	3	
E	2'0 X 9'0	FIXED	1	TEMPERED
F	3'6 X 9'0	FIXED	1	TEMPERED
G	2'6 X 9'0	FIXED	1	TEMPERED
Н	3'4 X 9'0	FIXED	1	TEMPERED
I	3'10 X 9'0	FIXED	1	TEMPERED
J	3'0 X 5'0	CASEMENT	3	
к	2'6 X 5'0	CASEMENT	3	
L	2'0 X 5'0	FIXED	1	
М	2'6 X 4'0	CASEMENT	3	
N	3'0 X 6'6	FIXED	1	
0	3'6 X 7'6	FIXED	3	
Р	11'0 X '0	FIXED	1	
Q	3'0 X 7'6	CASEMENT	2	
R	2'6 X 7'6	FIXED	1	TEMPERED
S	3'4 X 7'6	FIXED/AWNING	1	TEMPERED AWNING
т	3'10 X 7'6	FIXED/AWNING	1	TEMPERED AWNING
U	3'0 X4'6	CASEMENT	2	
V	3'0 X 4'0	CASEMENT	2	
W	3'6 X 4'0	CASEMENT	1	







FORMWORKS

DESIGN I BUILD

5530 REGISTERED ARCHITECT

SEAL



ISSUE INFORMATION 08.17.2021 PERMIT SUBMITTAL

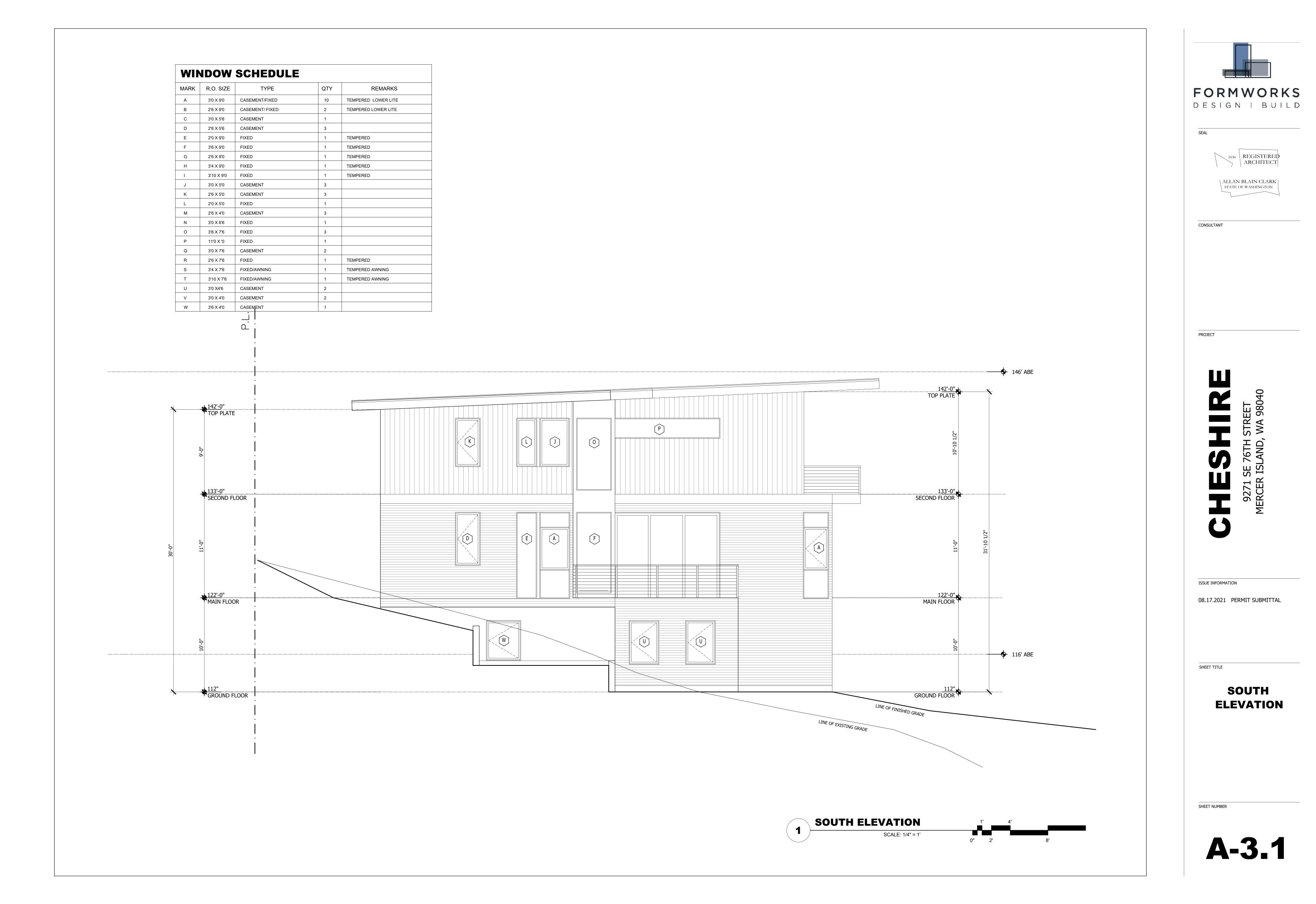
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SHEET NUMBER

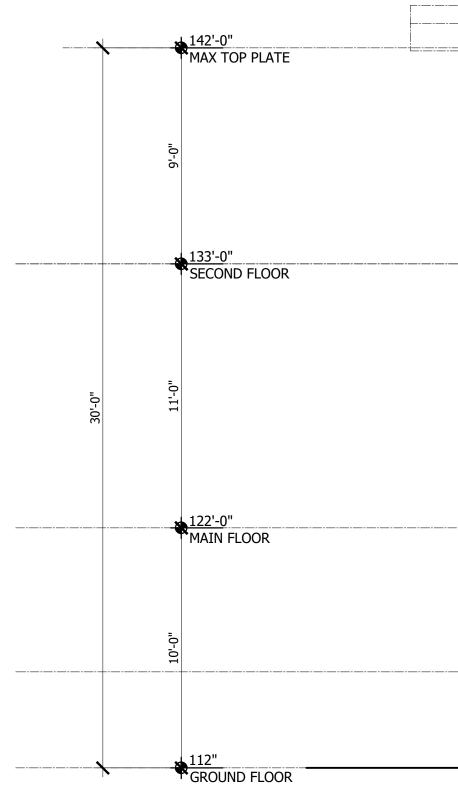
NORTH

ELEVATION

**A-3.0** 



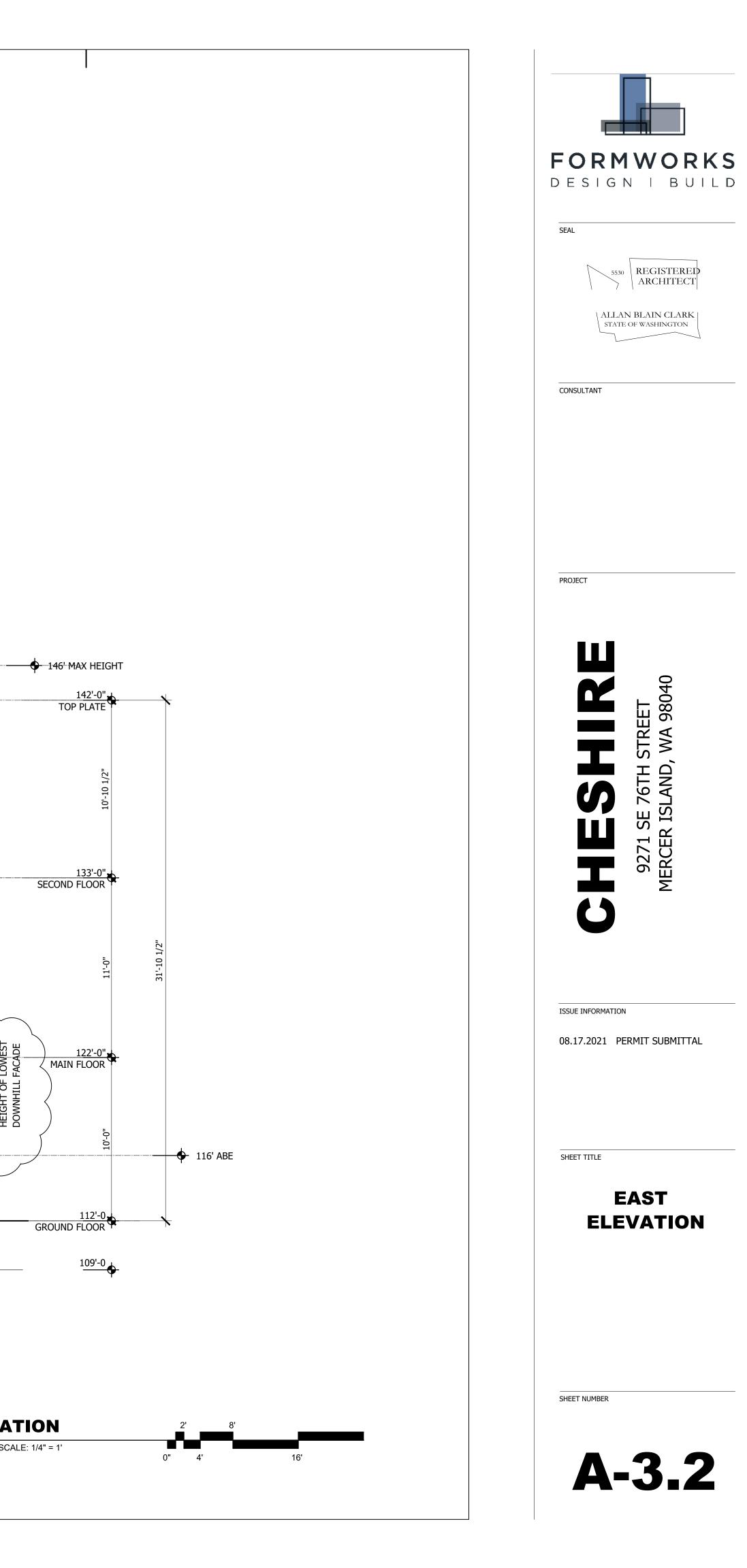
WIN	NOON	SCHEDULE		
IARK	R.O. SIZE	TYPE	QTY	REMARKS
A	3'0 X 9'0	CASEMENT/FIXED	10	TEMPERED LOWER LITE
В	2'6 X 9'0	CASEMENT/ FIXED	2	TEMPERED LOWER LITE
С	3'0 X 5'6	CASEMENT	1	
D	2'6 X 5'6	CASEMENT	3	
E	2'0 X 9'0	FIXED	1	TEMPERED
F	3'6 X 9'0	FIXED	1	TEMPERED
G	2'6 X 9'0	FIXED	1	TEMPERED
Н	3'4 X 9'0	FIXED	1	TEMPERED
I	3'10 X 9'0	FIXED	1	TEMPERED
J	3'0 X 5'0	CASEMENT	3	
К	2'6 X 5'0	CASEMENT	3	
L	2'0 X 5'0	FIXED	1	
М	2'6 X 4'0	CASEMENT	3	
N	3'0 X 6'6	FIXED	1	
0	3'6 X 7'6	FIXED	3	
Р	11'0 X '0	FIXED	1	
Q	3'0 X 7'6	CASEMENT	2	
R	2'6 X 7'6	FIXED	1	TEMPERED
S	3'4 X 7'6	FIXED/AWNING	1	TEMPERED AWNING
т	3'10 X 7'6	FIXED/AWNING	1	TEMPERED AWNING
U	3'0 X4'6	CASEMENT	2	
V	3'0 X 4'0	CASEMENT	2	
W	3'6 X 4'0	CASEMENT	1	



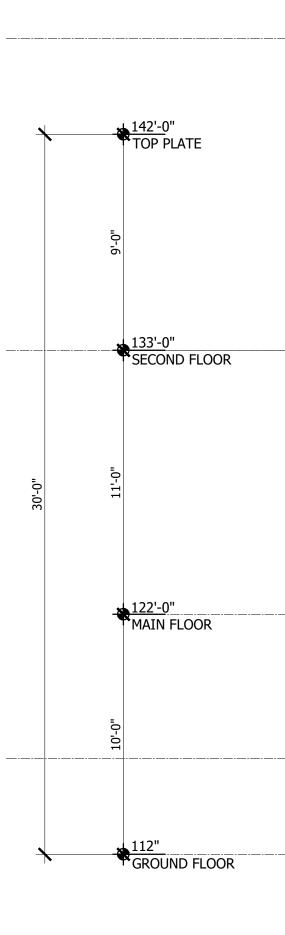
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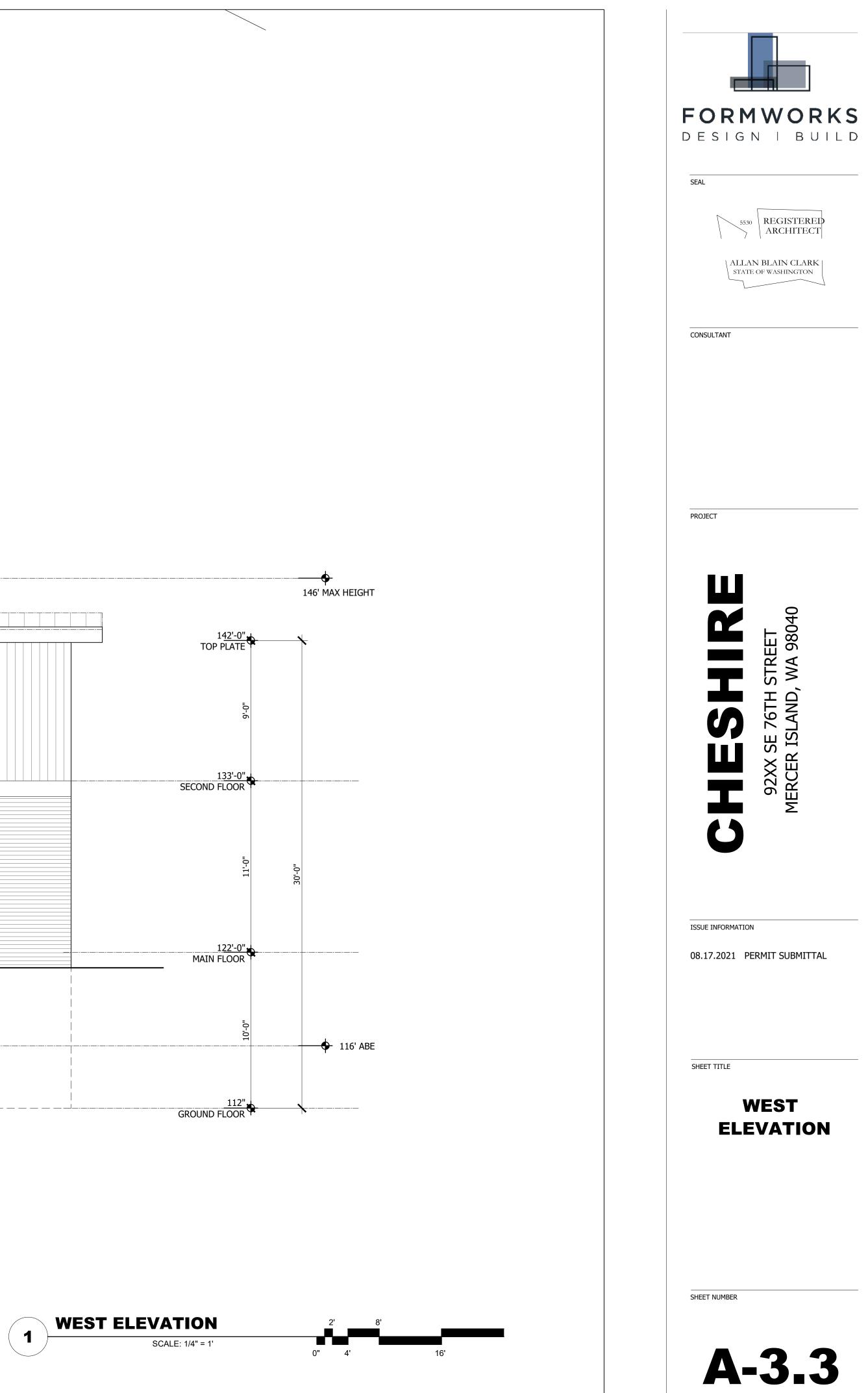
LINE OF EXISTING GRADE

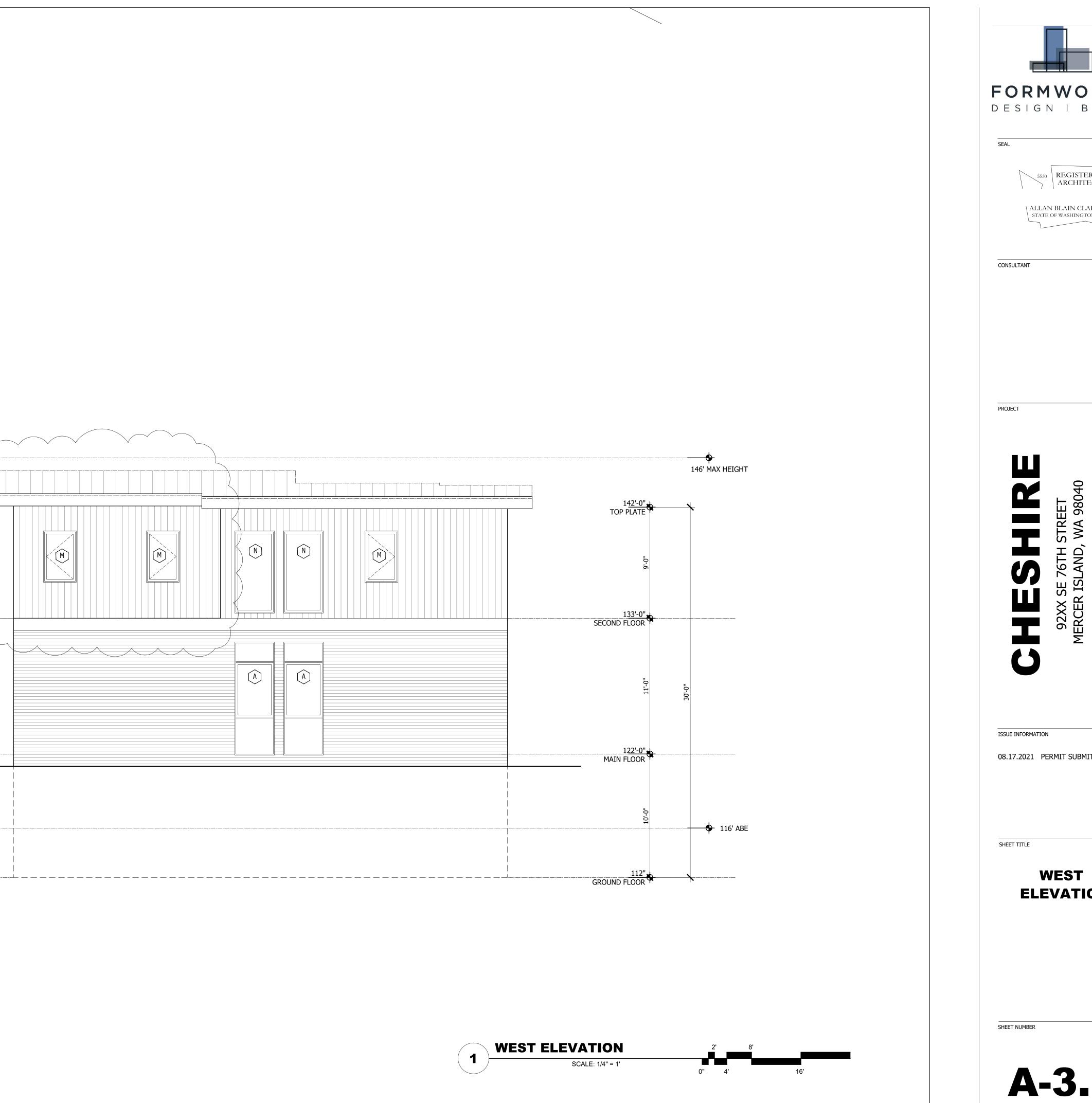
	••••••••••••••••••••••••••••••••••••••
	SE
	ACADE
	23'-0" BOWNHILL FACADE
	GR
DE	

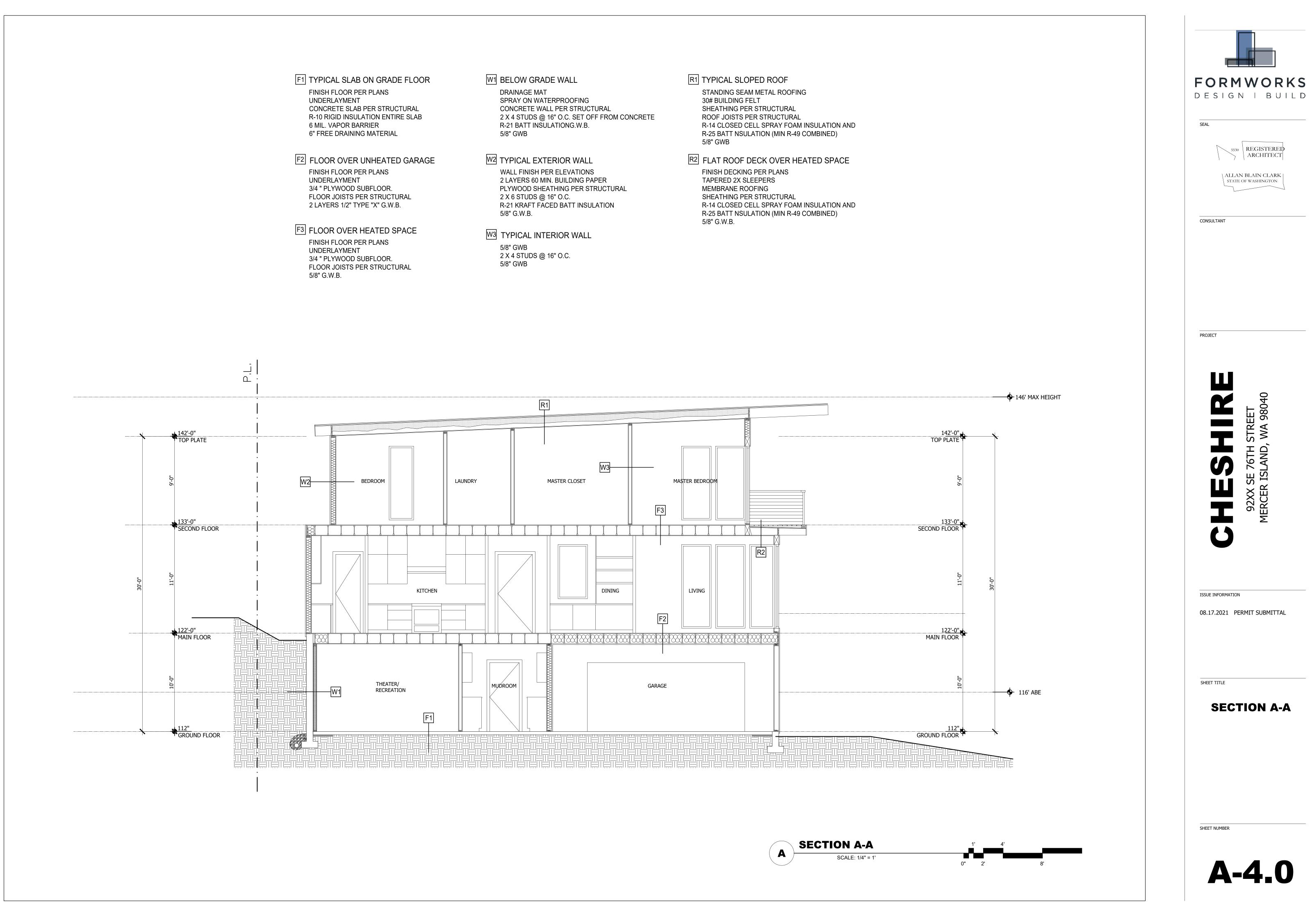


WIN	NDOW	SCHEDULE		
IARK	R.O. SIZE	TYPE	QTY	REMARKS
A	3'0 X 9'0	CASEMENT/FIXED	10	TEMPERED LOWER LITE
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E	2'0 X 9'0	FIXED	1	TEMPERED
F	3'6 X 9'0	FIXED	1	TEMPERED
G	2'6 X 9'0	FIXED	1	TEMPERED
Н	3'4 X 9'0	FIXED	1	TEMPERED
I	3'10 X 9'0	FIXED	1	TEMPERED
J	3'0 X 5'0	CASEMENT	3	
К	2'6 X 5'0	CASEMENT	3	
L	2'0 X 5'0	FIXED	1	
М	2'6 X 4'0	CASEMENT	3	
N	3'0 X 6'6	FIXED	1	
0	3'6 X 7'6	FIXED	3	
Р	11'0 X '0	FIXED	1	
Q	3'0 X 7'6	CASEMENT	2	
R	2'6 X 7'6	FIXED	1	TEMPERED
S	3'4 X 7'6	FIXED/AWNING	1	TEMPERED AWNING
т	3'10 X 7'6	FIXED/AWNING	1	TEMPERED AWNING
U	3'0 X4'6	CASEMENT	2	
V	3'0 X 4'0	CASEMENT	2	
W	3'6 X 4'0	CASEMENT	1	

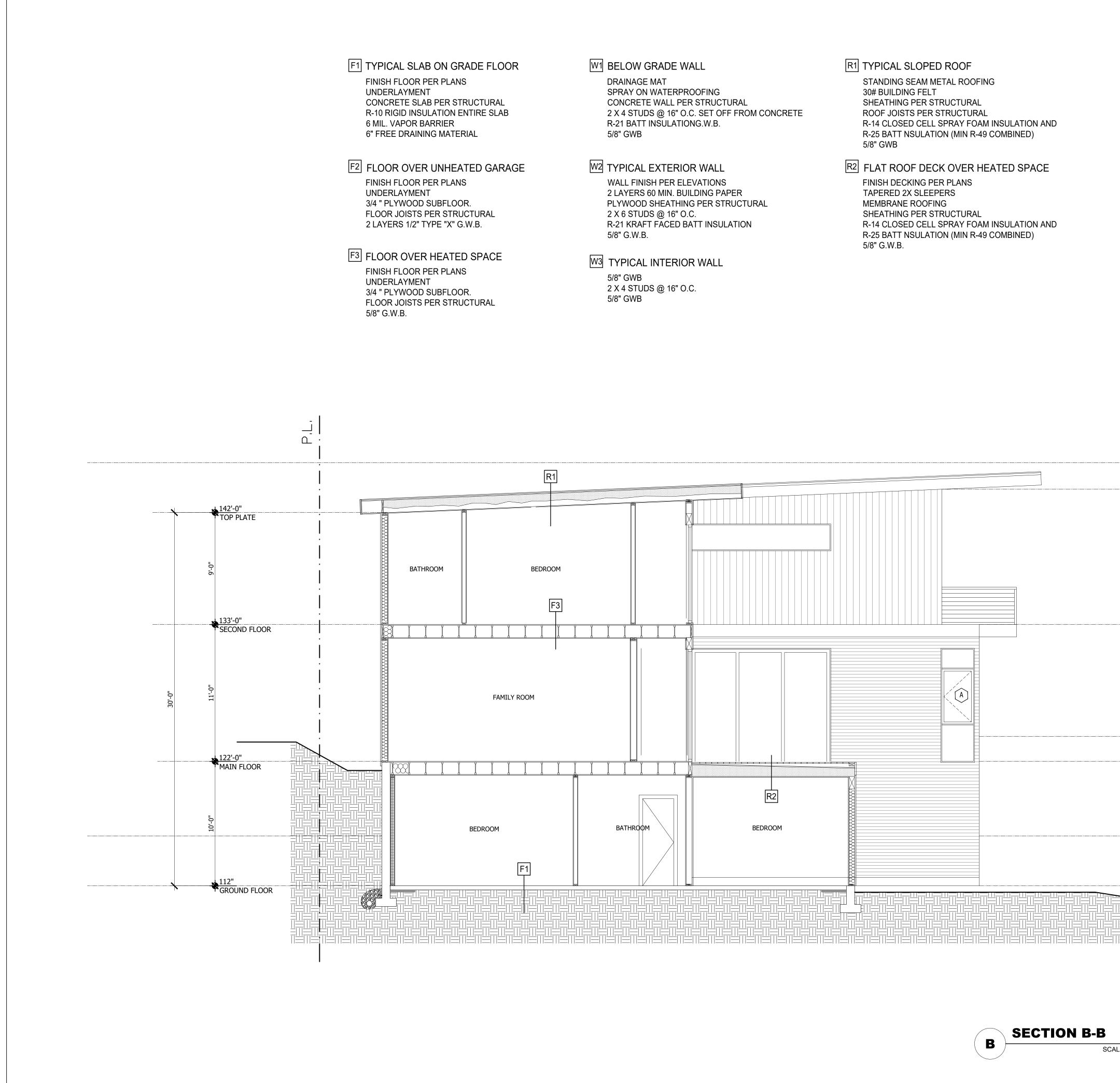




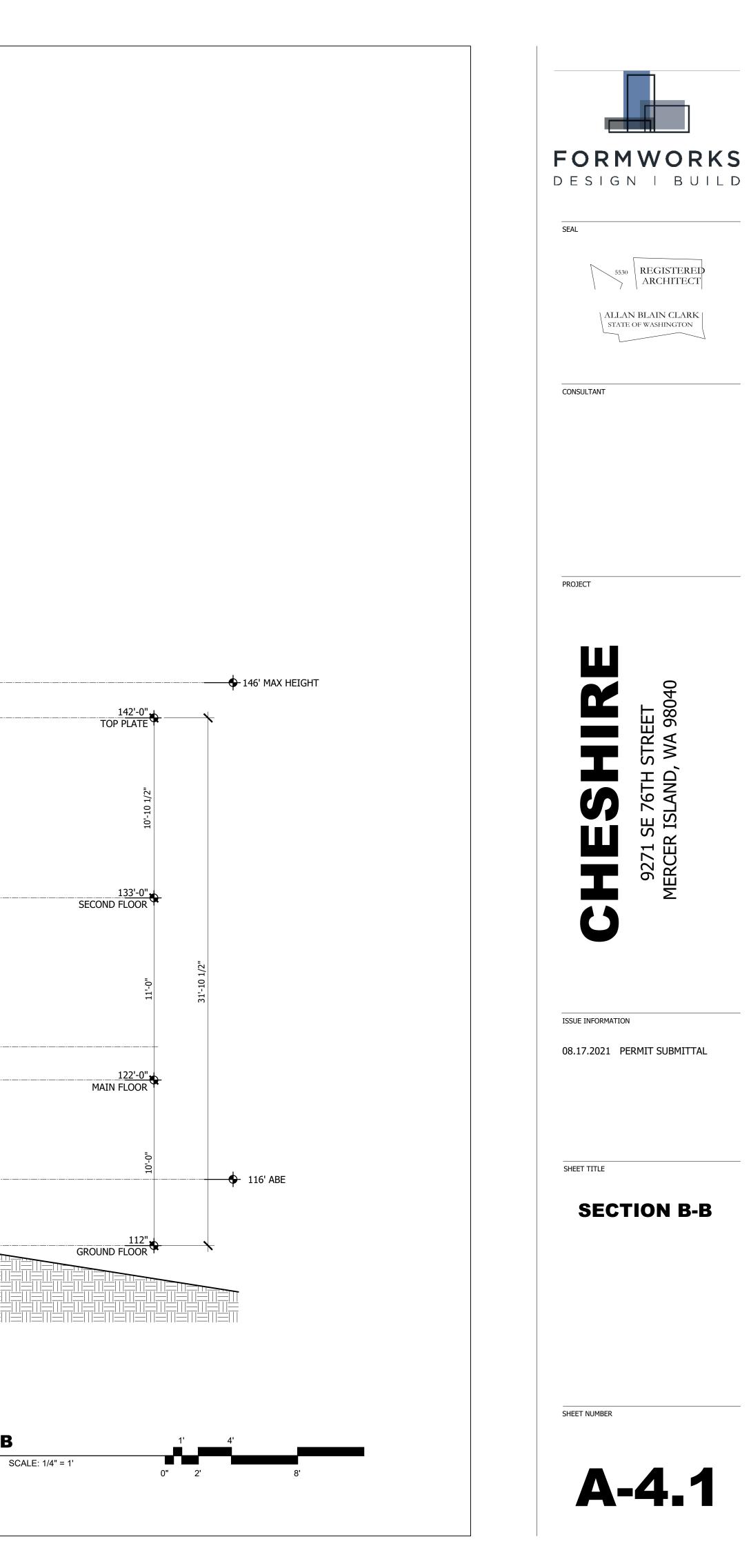




DE FLOOR	W1 BELOW GRADE WALL	R1 TYPICAL SLOPED ROOF
UCTURAL TIRE SLAB AL	DRAINAGE MAT SPRAY ON WATERPROOFING CONCRETE WALL PER STRUCTURAL 2 X 4 STUDS @ 16" O.C. SET OFF FROM CONCRETE R-21 BATT INSULATIONG.W.B. 5/8" GWB	STANDING SEAM METAL ROOFING 30# BUILDING FELT SHEATHING PER STRUCTURAL ROOF JOISTS PER STRUCTURAL R-14 CLOSED CELL SPRAY FOAM INSULATION AND R-25 BATT NSULATION (MIN R-49 COMBINED) 5/8" GWB
ED GARAGE	W2 TYPICAL EXTERIOR WALL	R2 FLAT ROOF DECK OVER HEATED SPACE
	WALL FINISH PER ELEVATIONS 2 LAYERS 60 MIN. BUILDING PAPER PLYWOOD SHEATHING PER STRUCTURAL	FINISH DECKING PER PLANS TAPERED 2X SLEEPERS MEMBRANE ROOFING
TURAL V.B.	2 X 6 STUDS @ 16" O.C. R-21 KRAFT FACED BATT INSULATION 5/8" G.W.B.	SHEATHING PER STRUCTURAL R-14 CLOSED CELL SPRAY FOAM INSULATION AND R-25 BATT NSULATION (MIN R-49 COMBINED) 5/8" G.W.B.
SPACE	W3 TYPICAL INTERIOR WALL	
TURAL	5/8" GWB 2 X 4 STUDS @ 16" O.C. 5/8" GWB	



LOOR	W1 BELOW GRADE WALL	R1 TYPICAL SLOPED ROOF
RAL SLAB	DRAINAGE MAT SPRAY ON WATERPROOFING CONCRETE WALL PER STRUCTURAL 2 X 4 STUDS @ 16" O.C. SET OFF FROM CONCRETE R-21 BATT INSULATIONG.W.B. 5/8" GWB	STANDING SEAM METAL ROOFING 30# BUILDING FELT SHEATHING PER STRUCTURAL ROOF JOISTS PER STRUCTURAL R-14 CLOSED CELL SPRAY FOAM INSULATION AND R-25 BATT NSULATION (MIN R-49 COMBINED) 5/8" GWB
ARAGE	W2 TYPICAL EXTERIOR WALL	R2 FLAT ROOF DECK OVER HEATED SPACE
	WALL FINISH PER ELEVATIONS 2 LAYERS 60 MIN. BUILDING PAPER	FINISH DECKING PER PLANS TAPERED 2X SLEEPERS
L	PLYWOOD SHEATHING PER STRUCTURAL 2 X 6 STUDS @ 16" O.C.	MEMBRANE ROOFING SHEATHING PER STRUCTURAL
	R-21 KRAFT FACED BATT INSULATION 5/8" G.W.B.	R-14 CLOSED CELL SPRAY FOAM INSULATION AND R-25 BATT NSULATION (MIN R-49 COMBINED) 5/8" G.W.B.
CE		
L	2 X 4 STUDS @ 16" O.C. 5/8" GWB	



### **ABBREVIATIONS**

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
APPROX	
APB	ANTHONY POWER BEAM
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
0	AT
BLDG	BUILDING
BUC	BUILT UP COLUMN
CANT	CANTILEVER
CLR	CLEAR, CLEARANCE
CMU	CONCRETE MASONRY UNIT
CNCR	CONCRETE
COL	COLUMN
CL	CENTER LINE
CJ	CONSTRUCTION JOINT
db	NOMINAL DIAMETER OF BAR
DBL	DOUBLED
DBA	DEFORMED BAR ANCHOR
DIA, Ø	DIAMETER
DIM	DIMENSION
DL	DEAD LOAD
EF	EACH FACE
ENGR	ENGINEER
EW	EACH WAY
EXP AB	EXPANSION ANCHOR BOLT
FB	FLITCH BEAM
FDN	FOUNDATION
FF	FINISHED FLOOR
FL	FLOOR
FLN	FLANGE
FT	
GALV	GALVANIZED (HOP DIP)
HORIZ	HORIZONTAL
HT	HEIGHT
IBC	INTERNATIONAL BUILDING CODE
INSUL JT	INSULATION JOINT
KIP(S) KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE OR L-SHAPE
LWR	LOWER
LB(S)	POUND(S), FORCE
LD	DEVELOPMENT LENGTH
LG	LONG
LL	LIVE LOAD
LONG	LONGITUDINAL
MATL	MATERIAL
MAX	MAXIMUM
MISC	MISCELLANEUS
NTS	NOT TO SCALE
о то о	OUT TO OUT
OC	ON CENTER
OD	OUTSIDE DIAMETER
PLF	POUNDS FORCE PER LINEAR FOOT
PROJ	PROJECTION
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
STD	STANDARD
SW	
TOC	TOP OF CONCRETE
T/	
ТҮР	
T&B UNO	TOP AND BOTTOM
UWA	UNLESS NOTED OTHERWISE UNDER WALL ABOVE
W/	WITH
••/	•••••

### **DESIGN CRITERIA**

DESIGN CODE BUIDING RISK CATEGORY	2018 INTERNATIONAL BUILDING CODE CATEGORY II
DEAD LOAD	
FLOOR	30 PSF
ROOF	15 PSF
LIVE LOAD	
RESIDENTIAL	40 PSF
ROOF LIVE LOAD	20.005
ROOF	20 PSF
ROOF SNOW LOAD DATA	
FLAT-ROOF SNOW LOAD, Pf	25 PSF
RAIN ON SNOW SURCHARGE	5 PSF
SNOW LOAD EXPOSURE FACTOR, Ce	В
SNOW LOAD IMPORTANCE FACTOR, Is	1.0
THERMAL FACTOR, Ct	1.0
SNOW DRIFTS	NO
WIND DESIGN DATA	
DESIGN WIND SPEED, Vdes (3-sec gust)	110 MPH
	C 1.0
WIND IMPORTANCE FACTOR, IW TOPOGRAPHIC FACTOR, Ktz	в
INTERNAL PRESSURE COEF (GCPI)	0.18/-0.18
MWFRS	SIMPLIFIED METHOD - CH 26
WIND BASE SHEAR	TRANSVERSE: 11.5 KIPS
	LONGITUDINAL: 9.7 KIPS
EARTHQUAKE DESIGN DATA	_
SEISMIC DESIGN CATEGORY	D
SITE CLASS	D (STIFF SOIL)
MAPPED SPECTRAL RESPONSE ACCELERATION	Ss=0.147 S1=0.566
DESIGN SPECTRAL RESPONSE ACCELERATION	Sds=0.981 Sd1=0.667
RESPONSE MODIFICATION FACTOR, R OVERSTRENGTH FACTOR, OMEGA	6.5 2.5
REDUNDANCY FACTOR, RHO	1.0
SEISMIC RESPONSE COEFFICIENT, Cs	0.1
SEISMIC BASE SHEAR	17.1 KIPS
GEOTECHNICAL INFORMATION (ASSUMED)	
ALLOWABLE BEARING PRESSURE	2000 PSF
ALLOWABLE PASSIVE PRESSURE	150F
ALLOWABLE ACTIVE PRESSURE	35 PSF
ALLOWABLE COEFFICENT OF SLIDING (FRICTION)	0.35

### **GENERAL NOTES - STRUCTURAL DESIG**

1. PRIOR TO START OF CONSTRUCTION, THE CONTRACTOR AND FABRICATOR SHALL VERIFY A QUANTITIES, DIMENSIONS AND CONDITIONS AND NOTIFY ARCHITECT / ENGINEER OF ANY DISCREPANCIES OR INCONSISTENCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS FOR DIMENSIONS.

2. VERIFY REQUIREMENTS OF OTHER TRADES, (CIVIL, MECHANICAL, ELECTRICAL, ETC.), PRIOR TO PROCEEDING WITH FABRICATION OR INSTALLATION OF MATERIALS.

3. THE CONTRACT STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND EXCEPT WHERE SPECIFICALLY SHOWN, DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION CONTRACTOR AND THEIR SUB-CONTRACTORS SHALL SUPERVISE AND DIRECT THE WORK AND SH SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCES AND SAFETY MEASURES INCLUDING, BUT NOT LIMITED TO, ADHERENCES TO ALL OS GUIDELINES. THE ENGINEER SHALL NOT HAVE CONTROL OF, AND SHALL NOT BE RESPONSIBLE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FOR THE ACTS OR OMISSION THE CONTRACTOR, SUBCONTRACTORS, OR ANY OTHER PERSON PERFORMING ANY OF THE WC FOR THE FAILURE OF ANY OF THESE PERSONS TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.

4. THE STRUCTURE HAS BEEN DESIGNED TO RESIST DESIGN LOADS ONLY AS A COMPLETED STRUCTURE. ANY PROPOSED APPLICATIONS OF CONSTRUCTION LOADS OR OF ANY LOADS TO TH PARTIALLY COMPLETED STRUCTURE WHICH EXCEED THE DESIGN LOADS WILL REQUIRE REANALY AND POSSIBLE REDESIGN.

### FOUNDATION

- 1. FOUNDATION DESIGN IS BASED UPON RECOMMENDATIONS AND ASSUMPTIONS FROM IBC CHAPTER 18. STRUCTURAL ENGINEER IS NOT RESPONSIBLE FOR SUBSURFACE CONDITIONS ENCOUNTERED IN THE FIELD THAT ARE DIFFERENT FROM THOSE ASSUMED FOR DESIGN.
- 2. ALL SUBGRADE UNDERCUT AND SOIL PREPARATION SHALL BE IN CONFORMANCE WITH IBC CHAPTER 18 RECOMMENDATIONS.
- 3. EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER.
- 4. ANY FILL PLACED IN BUILDINGS PAD AREAS SHOULD CONSIST OF SELECT FILL. SELECT FILL SHOULD BE PLACED IN LOOSE LIFTS NOT EXCEEDING 8" IN COMPACTED TO DENSITIES OF 95 PERCENT OF STANDARD PROCTOR (ASTM D-698) AND AT A MOISTURE CONTENT BETWEEN OPTIMUM AND 4 PERCENT ABOVE OPTIMUM MOISTURE CONTENT. THE SUBGRADE TO RECE SELECT FILL SHOULD BE SCARIFIED TO A DEPTH OF 6 INCHES AND COMPACTED TO AT LEAST 9 PERCENT OF STANDARD PROCTOR AND AT MOISTURE CONTENT BETWEEN OPTIMUM AND 4 PERCENT ABOVE OPTIMUM.
- 5. ALL EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW FROST DEPTH OF 12 INCHES. ALL INTERI FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES BELOW TOP OF GRADE OR TOP OF SLAB.

### **REINFORCED CONCRETE**

### 1. SUBMITTALS:

- PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL SUBMIT THE FOLLOWING FOR THE OWNER'S APPROVAL: A.SUBMIT A MIX DESIGN FOR EACH CLASS OF CONCERTE REQUIRED FOR THE PROJECT. CONC
- PROPORTIONS SHALL BE ESTABLISHED ON THE BASIS OF PREVIOUS FIELD EXPERIENCE OR T MIXTURES. B.SUBMIT SHOP DRAWINGS FOR ALL REINFORCING. INDICATE STRENGTH, SIZE, AND DETAILS
- BAR REINFORCING. C.SUBMIT PRODUCT LITERATURE FOR ADMISTUES AND CURING COMPOUDNS PROPOSED FO
- D.SUBMIT REPORTS OF ALL REQUIRED TESTING AND INSPECTIONS. E. SUBMIT CONCRETE POUR PLAN INDICATING CONTROL JOINT LOCATIONS AND DETAILS.
- 2. CONCRETE CONSTRUCTION STANDAREDS
- A.IBC CHAPTER 19: CONCRETE **B.ACI 318 - LATEST EDITION**
- C.ACI 117 LATEST EDITION D.ACI 301 - LATEST EDITION
- 3. MAINTIAN THE FOLLOWING MIX REQUIREMENTS UNLESS NOTED OTHERWISE OR APPROVED ENGINEER:

STRUCTURAL CONCRETE

DESCRIPTION	F'c	MAX W/C RATIO	AIR CONTENT
FOOTINGS AND STEM WALLS	3,000	0.50	
INTERIOR SLABS ON GRADE	3,500	0.50	
EXTERIOR SLABS ON GRADE	4,500	0.45	5-7%
SITE RETAINING WALLS	5,000	0.45	5-7%

- 4. CEMENT SHALL BE PORTLAND CEMENT PER ASTM C150, TYPE I/II.
- 5. AGGREGATE SHALL BE PER ASTM C33. PROVIDE MAX AGGREGATE SIZE OF 1 INCH FOR ALL C NOTED OTHERWISE.
- 6. MAXIMUM ALLOWABLE FLY ASH CONTENT SHALL BE 20%. FLY ASH SHALL BE PER ASTM C618
- 7. MAINTAIN SLUMP RANGE OF 5-7 WITHIN TOLERANCES PER ACI 301.
- 8. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE FOLLOWING CODES AND STANDAR CHAPTER 19, ACI 318-14, ACI 301-05, ACI 117-10.
- 9. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60 UNO. LONGITUDINAL BARS IN SHEAR \ CONFORM TO ASTM A706, GRADE 60 OR SHALL CONFORM TO THE FOLLOWING REQUIREME A. WELDING OF THE REINFORCING BARS IS NOT PERMITTED. B.SUBMIT MILL CERTIFICATES INDICATING PHYSICAL AND CHEMICAL PROPERTIES.
- C.ACTUAL YIELD STRENGTH, BASED ON MILL TESTS, DOES NOT EXCEED THE SPECIFIED YIELD S
- BY MORE THAN 18000 PSI. (RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN AI 3000 PSI). D.THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LE
- 1.25.

10.REINFORCING PROTECTION FOR CAST-IN-PLACE CONCRETE AS PER ACI 318 UNLESS NOTED.

A.CAS	T AGAINST AND PERMANENTLY EXPOSED	<b>3" TO EARTH, ALL REINFORCIN</b>
B.FOR	MED SURFACES EXPOSED TO EARTH OR W	EATHER.
NO.	6 THRU NO. 18 BARS	2"
NO.	5 BAR, W32 OR D31 WIRE AND SMALLER	1 1/2"
C.SUF	FACES NOT EXPOSED TO WEATHER OR IN (	CONTACT WITH GROUND.
	1.BEAMS, COLUMNS, PRIMARY REINFOR	CEMENT, TIES
	STIRRUPS OR SPIRALS	1 1/2"
	2. SLABS, WALLS & JOISTS	
	-NO. 14 AND NO. 18 BARS	1 1/2"
	-NO. 11 BAR AND SMALLER	1 1/2"

11. BAR SPLICES SHALL BE CLASS "B" UNLESS NOTED OTHERWISE.

12.HORIZONTAL REINFORCING BARS SHALL BE LAPPED AROUND CORNERS OF INTERSECTING WA BEAMS. STANDARD ACI HOOKS AND BENDS SHALL BE USED.

13. TOP BARS: HORIZONTAL REINFORCEMENT SO PLACED THAT MORE THAN 12" OF FRESH CON IN THE MEMBER BELOW THE DEVELOPMENT LENGTH OR SPLICE. MULTIPLE HORIZONTAL BAI VERTICAL PLANE SUCH AS COLUMN TIES OR HORIZONTAL BARS IN WALLS ARE NOT TOP BARS

<b>SN</b>	<b>REINFORCED CONCRETE (CONT.)</b>	TIMBER (CC
ALL	14. UNLESS OTHERWISE DETAILED ON DRAWING SPLICES SHALL BE LOCATED SO THAT NO MORE THAN 50% OF BARS ARE SPLICED AT SAME LOCATION	8. HURRICANE CLIPS
	15.FINISH CONCRETE SURFACES IN ACCORDANCE WITH THE FOLLOWING:	A.PROVIDE MINIMUM H2.5A AT EACH END OF EACH ROOF FEET.
го	A.INTERIOR SLABS ON GRADE: FINISH TO FLATNESS AND LEVELNESS OF F(f) = 30 AND F(1) = 20 IN	B. PROVIDE MINIMUM H6 OR (2) H2.5A AT EACH END OF E GREATER THAN 20 FEET.
	ACCORDANCE WITH ACI 117. B.INTERIO FLOOR AREAS TO RECEIVE CARPET, RESILIENT FLOOR COVERING, OR REMAIN EXPOSED:	9. FLOOR AND ROOF DECK C. FLOOR AND ROOF DECK SHALL BE APA RATED PLYWOOD
भ नगर	SMOOTH TROWEL FINISH. C.INTERIOR FLOOR AREAS TO RECEIVE QUARRY TILE OR CERAMIC TILE: FLOAT FINISH.	SPACING PER THE PLANS. D.PLACE PANELS IN A STAGGERED PATTERN. GLUE & NAIL
N. THE HALL BE	D.EXTERIOR SLABS: BROOM FINISH.	CONFORM TO APA SPEC. AF6-01, AND APPLIED PER MAN E. ORIENT SHEATHING PANELS WITH THE LONG DIMENSIO
, ISHA	16. CONCRETE QUALITY CONTROL AND STRENGTH TESTING REQUIREMENTS:	F. PLYWOOD CLIPS SHALL BE INSTALLED @ ROOF DECKING EDGES. PROVIDE 1 CLIP PER JOIST SPACING SPAN. USE
FOR IS OF	CONDUCT CONCRETE TESTING OF CYLINDERS IN ACCORDANCE WITH ACI. OBTAIN CONCRETE FOR REQUIRED TESTS AT POINT OF PLACEMENT. FOR EACH CLASS OF CONCRETE PERFORM ONE STRENGTH	CORRESPONDING PLYWOOD THICKNESS.
ORK, OR	TEST FOR EACH 50 YARDS, OR FRACTION THEROF, FOR ONE DAY PLACEMENT. DETERMINE SLUMP FOR EACH TEST AND DETERMINE AIR CONTENT FOR EACH STRENGTH TEST OF EXTERIOR EXPOSED	10. MISCELLANEOUS A.ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY
		11. PREFABRICATED WOOD FRAMING MEMBERS
ΉE	A. TESTING: CURE (4) SIX INCH X 12 INCH CYLINDERS FOR TESTING IN ACCORDANCE WITH ACI 301 SECTION 1.6.4.2. TEST ONE CYLINDER AT 7 DAYS, TEST TWO CYLINDERS AT 28 DAYS AND HOLD ONE CYLINDER IN RESERVE FOR USE AS DIRECTED BY THE ENGINEER. AFTER 56 DAYS, UNLESS NOTIFIED	A.PREFABRICATED WOOD FRAMING MEMBERS INCLUDE V PREFABRICATED MEMBERS USED IN LIEU OF SAWN WOO
YSIS	BY THE ENGINEER OTHERWISE, THE RESERVE CYLINDER MAY BE DISCARDED WIHTOUT BEING TESTED FOR SPECIMENS MEETING THE 28-DAY STRENGTH REQUIREMENTS.	B. PRODUCT DESIGN SHALL BE BASED UPON ACTUAL BUILD AND STANDARDS OUTLINED IN THE BUILDING CODE FOR
	B.ACCEPTANCE: STRENGTH IS ACCEPTABLE WHEN THE FOLLOWING ARE MET. A "TEST" IS DEFINED AS	TRUSSES SHALL BE DETAILED AND DESIGNED BY THE MA PROFESSIONAL ENGINEER REGISTERED IN THE STATE WH
	<ul> <li>THE AVERAGE OF TWO 6X12 CYLINDERS OR THREE 4X8 CYLINDERS AT THE SPECIFIED TEST AGE.</li> <li>THE AVERAGES OF ALL SETS OF 3 CONSECUTIVE STRENGTH TESTS EQUAL OR EXCEED THE</li> </ul>	THE MANUFACTURER SHALL SUBMIT CALCULATIONS AN ARCHITECT/ENGINEER OF RECORD FOR REVIEW.
	<ul> <li>SPECIFIED COMPRESSIVE STRENGTH.</li> <li>NO STRENGTH TEST RESULT FALLS BELOW F'C BY MORE THAN 500 PSI.</li> </ul>	C. CONTRACTOR SHALL PROVIDE TEMPORARY AND PERMA TRUSSED MEMBERS PER THE DETAILING AND DESIGN OI BE DETAILED AND DESIGNED BY THE MANUFACTURER.
		D.PROVIDE TEMPORARY SHORING WHERE SHEET ROCK AN BEING TEMPORARILY STORED. IF TJI'S ARE BEING UTILIZE
	TIMBER	
		12. WOOD CONNECTORS, FASTENERS, NAILS, AND BOTS A.ALL WOOD CONNECTORS, HANGERS, CLIPS, HOLD-DOW
	1. SUBMITTALS: SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS SHALL INCLUDE ALL	CONNECTIONS SHALL BE SIMPSON STRONG TIE AS SPEC CATALOG. ALTERNATE CONNECTORS BY OTHER MANUF/ APPROVAL TO EOR. ALL CONNECTORS SHALL BE INSTALL
	MATERIAL, LAYOUT AND ASSEMBLY INFORMATION INCLUDING MEMBER MATERIAL, GRADES, SIZES, SPACING, CONNECTIONS, AND ASSEMBLY DETAILS. PROVIDE SHOP DRAWINGS FOR ENGINEER REVIEW	ALL INDICATED FASTENERS. WHERE MULTIPLE OPTIONS LARGEST NUMBER OF FASTENERS AND THE LARGEST SIZ
	FOR THE FOLLOWING ITEMS: A.ALL ENGINEERED LUMBER MEMBERS: GLULAM MEMBERS, PSL MEMBERS, LVL MEMBERS, LSL	ON THE PLANS. ALL CONNECTORS EXPOSED TO WEATHI SIMPSON ZMAX FINISH.
EIVE	MEMBERS, PREFABRICATED WOOD I-JOIST MEMBERS, WOOD TIE DOWN SYSTEMS. 2. TIMBER CONSTRUCTION STANDARDS	B. NAILS, SCREWS, AND BOLTS SHALL CONFORM TO IBC SE ALL FASTENERS ATTACHED TO PRESSURE TREATED LUM
95 I	A.IBC CHAPTER 23: WOOD B. NDS 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS)	PROTECTION MATCHING THE WOOD TREATMENT. PROV ALL NAILS SHALL BE FULL LENGTH COMMON UNLESS NO
	C. APA PDS-99 PLYWOOD DESIGN SPECIFICATION D. ANSI/TPI 1 NATIONAL DEISGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSSES	SINKERS. C. ALL LAG BOLTS SHALL BE ASTM A307.
NIOR	E. TRI DSB RECOMMENDED DESIGN SPECIFICATION FOR TEMPORARY BRACING OF METAL PLATE CONNECTED TRUSSES	
	F. BCSI GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, & BRACING OF METAL PLATE CONNECTED TRUSSES	
	G.APA REPORT TT-045B MINIMUM NAIL PENETRATION FOR WOOD STRUCTURAL PANEL CONNECTIONS SUBJECT TO LATERAL LOADS	
	3. MATERIALS: ALL SAWN LUMBER SHALL CONFORM TO GRADING RULES OF WWPA, NLGA OR WCLIB. GLULAMS SHALL	
	CONFORM TO AITC 117-2004 AND ANSI/AITC A190.1. ALL GLULAM BEAMS, EXCEPT CONTINUOUS MULTISPAN BEAMS, SHALL BE CAMBERED TO 3000 FT RADIUS UNLESS NOTED OTHERWISE. ALL WOOD	
CRETE TRIAL	MATERIALS SHALL HAVE MINIMUM MOISTURE CONTENT OF 19% EXCEPT FOR PRESSURE TREATED SILL PLATES. ALL PRESSURE TREATED MEMBERS SHALL BE TREATED PER IBC SECTION 2304.12.	
S OF ALL	LUMBER GRADE TABLE	
DR USE.	MEMBER SIZE SPECIES & GRADE	
	WALL STUDS 2x, 3x Doug Fir Larch, No. 2	
	SILL PLATES 2x, 3x PT Doug Fir Larch, No 2	
	POSTS 4x, 6x, 8x Doug Fir Larch, No 2	
	FLOOR AND ROOF JOISTS 2x, 3x Doug Fir Larch, No. 2	
D BY THE	BEAMS 4x and up Doug Fir Larch, No 1	
	GLULAMS -SINGLE SPAN ALL 24F-V4	
	GLULAM COLS ALL L2	
	TIMPERSTRAND LSL ALL 1.5E, Fb=1700,Fv=400, Fc_parallel=1400	
	MICROLAM LVL ALL 1.9E, Fb=2600,Fv=285, Fc_paralell=2510	
	4. STUD FRAMED WALLS A.ALL EXTERIOR WALLS WITH 10 FT HEIGHT OR LESS SHALL BE 2X6 @ 16" O.C. UNLESS NOTED OTHERWISE	
	ON THE PLANS. REFER TO PLANS FOR WALLS GREATER THAN 10 FT HEIGHT. B. ALL INTERIOR BEARING WALLS SHALL BE MINIMUM 2X6 @ 16" O.C. UNLESS NOTED OTHERWISE ON THE	
	PLANS. C. AT ALL EXTERIOR AND LOAD BEARING WALL OPENINGS PROVIDE BUNDLED STUDS OF TWO TRIMMER AND ONE KING STUD AT EACH SIDE OF OPENING UNLESS NOTED OTHERWISE ON DRAWINGS	
8, TYPE C OR F.	AND ONE KING STUD AT EACH SIDE OF OPENING UNLESS NOTED OTHERWISE ON DRAWINGS.	
RDS: IBC	5. BEAMS AND HEADERS A. THE CENTERLINE OF EACH BEAM SHALL ALIGN WITH THE CENTERLINE OF WALL AND STUDS BELOW.	
	B. BEAMS MADE UP OF MULTIPLES OF 2xLUMBER SHALL BE BUILT AS FOLLOWS: 2-2x 16d NAILS @ 12" O.C. TOP AND BOTTOM- STAGGER EACH FACE	
ENTS:	3-2x 20d NAILS @ 12" O.C. TOP AND BOTTOM- STAGGER EACH FACE 4-2x (OR MORE) 3/4"Ø BOLTS @ 12" O.C. TOP & BOTTOM, STAGGER -USE STD. WASHERS (EA. FACE).	
STRENGTH	a. PROVIDE STANDARD NUTS & WASHERS AT 3/4"Ø BOLTS (GALV. IF EXPOSED TO WEATHER) b. PROVIDE 2" EDGE DISTANCE FROM CENTERLINE OF BOLTS TO EDGE OF WOOD (TYPICAL)	
	C. ALL BEAMS AND HEADERS SHALL BE SUPPORTED WITH EITHER BUNDLED STUDS PER SECTION 4 ABOVE OR WITH POST AND POST CAP CONNECTION PER THE PLANS. REFER TO SECTION 7 BELOW FOR	
ESS THAN	MINIMUM POST CAP SIZES UNLESS NOTED OTHERWISE ON THE DRAWINGS.	
	6. JOISTS A.BRIDGING: PROVIDE BRIDGEING AT ALL FLOOR JOISTS NOT TO EXCEED 8'-0" MAXIMUM OR IN	
ING.	COMPLIANCE WITH JOINT MANUFACTURER RECOMMENDATIONS FOR ENGINEERD JOISTS. B. DO NOT NOTCH OR CUT HOLES IN JOISTS WITHOUT ENGINEER APPROVAL.	
	C. BLOCKING: AT BEARING WALLS PROVIDE 2-2x SOLID BLOCKING UNDER BEARING WALLS PERPENDICULAR AND PARALLEL TO THE JOIST DIRECTION.	
	D.BLOCKING (TO MATCH JOIST DEPTH) SHALL BE PROVIDED AT EA. END & AT EACH SUPPORT OF JOIST, EXCEPT WHERE THE ENDS OF JOISTS ARE FASTENED TO A HEADER, RIM JOIST, OR AN ADJOINING STUD.	
	SOLID BLOCKING SHALL BE A MIN. OF 2-2x MEMBERS. 7. ATTACHMENTS A THRU BOLTS SHALL BE ASTM A 207 OP ASTM A 225 BROWIDE STANDARD WASHERS AT EACH EACE	
	A. THRU BOLTS SHALL BE ASTM A-307 OR ASTM A-325. PROVIDE STANDARD WASHERS AT EACH FACE. B. FASTENERS, INCLUDING BOLTS, NUT, WASHERS, AND OTHER CONNECTORS SHALL BE HOT-DIPPED	
	GALVANIZED WHERE EXPOSED TO WEATHER. C. CONNECTORS TO BE PROVIDED BY "SIMPSON" STRONG-TIE COMPANY, INC., SAN LEANDRO, CALIFORNIA, OR EQUAL. APPLY NAIL AT EACH NAIL HOLE WITH SIZE AND TYPE PER CONNECTOR	
	CALIFORNIA, OR EQUAL. APPLY NAIL AT EACH NAIL HOLE WITH SIZE AND TYPE PER CONNECTOR MANUFACTURER. D. AT COLUMNS 4" SQUARE AND LARGER, PROVIDE CAP & BASE CONNECTORS AS BELOW:	
ALLS AND	E. COLUMN CAP CONNECTOR: PC SERIES (OR EPC AT BM ENDS). COLUMN BASE CONNECTOR: CB SERIES. F. USE RECOMMENDED COLUMN/BEAM MODEL NUMBERS.	
ICRETE IS CAST NRS IN A SINGLE S.		
		Ś

## ONT.)

F JOIST OR RAFTER WITH SPAN LESS THAN 20

ACH ROOF JOIST OR RAFTER WITH SPAN

O OR OSB WITH THICKNESS AND NAIL SIZE AND

TO FRAMING MEMBERS. GLUE SHALL NUF. SPECIFICATIONS. ON PERPENDICULAR TO RAFTERS. TO RESULT IN A 1/8" GAP BETWEEN PANEL "SIMPSON" PSCL, OR APPROVED EQUAL. MATCH

SHALL BE PRESSURE TREATED LUMBER.

NOOD TRUSSES, TJI'S , ASI'S OR OTHER SIMILAR OD JOISTS, OR RAFTERS. DING DEAD LOADS, CODE SPECIFIED LIVE LOADS, R WINDSTORM RESISTANT CONSTRUCTION. ANUFACTURER, UNDER THE SUPERVISION OF A HERE THE PROJECT IS LOCATED. UPON REQUEST, ID/OR SHOP DRAWINGS TO THE

NENT LATERAL BRACING OF ALL FABRICATED THE TRUSS MANUFACTURER. TRUSSES SHALL

ND OTHER CONSTRUCTION MATERIALS ARE ED, KEEP THE MEMBERS ABSOLUTELY DRY.

/N, POST CAPS AND OTHER WOOD IFIED IN THEIR LATEST WOOD CONENCTORS ACTUERS MAY BE USED IF SUBMITTED FOR LED PER MANUFACTURERS INSTRUCTIONS WITH S OR SIZES EXIST FOR FASTENERS USE THE E OF FASTENERS UNLESS NOTED OTHERWISE ER SHALL BE GALVANIZED OR FINISHED WITH

CTION 2304.10 CONNECTORS AND FASTERNERS. BER SHALL HAVE SIMILAR CORROSION VIDE WASHERS AT ALL BOLT HEADS AND NUTS. DTED OTHERWISE EXCEPT 16D SHALL BE



**Practical Structural Solutions** 

MERRELL DESIGN SERVICES PLLC Nine Mile Falls, Washington 99026 509-998-7410 TJ@MDSstructural.com

### **PROJECT**: CHESHIRE

COMPANY:

N/A

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**ARCHITECHT**:

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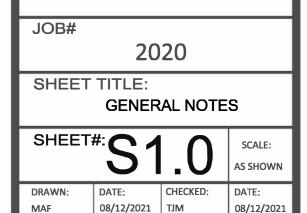
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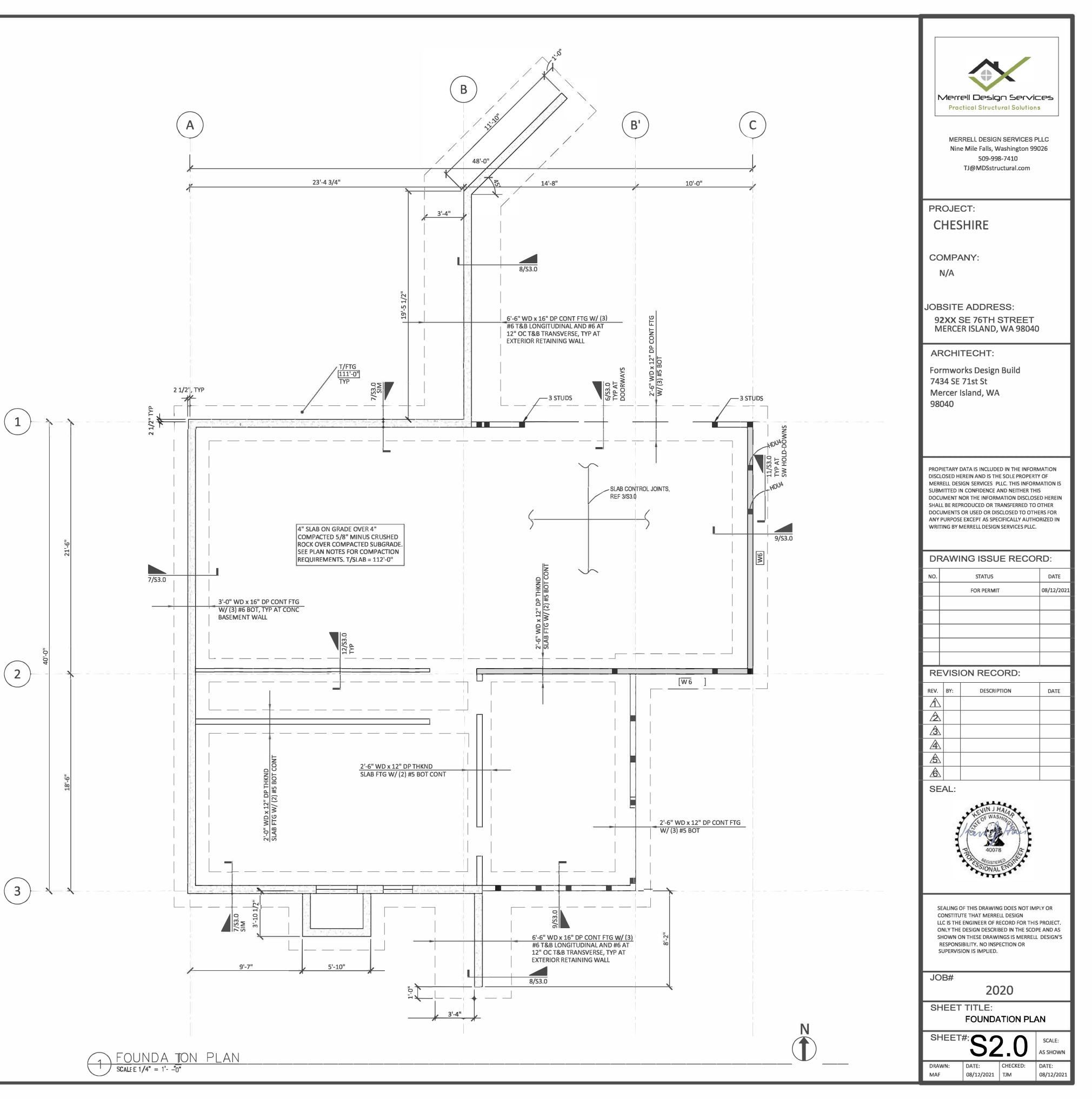
### FOUNDATION PLAN NOTES:

- 1. VERIFY LOCATIONS OF NEW COLUMNS, WALLS, OPENINGS, ETC. WITH ARCHITECTURAL DRAWINGS BEFORE PLACING FOUNDATIONS. PROVIDE BLOCKOUTS FOR PLUMBING, HVAC, AND SPECIAL EQUIPMENT AS SHOWN ON ARCHITECTURAL AND MEP PLANS.
- 2. TOP OF SLAB ELEVATION ASSUMED AT 112'-0" EXCEPT AS NOTED. REFERENCE CIVIL AND ARCHITECTURAL PLANS FOR ACTUAL TOP OF SLAB ELEVATION. REFERENCE ARCHITECTURAL DRAWINGS FOR DAMPPROOFING AND WATERPROOFING REQUIREMENTS FOR SLAB AND BASEMENT WALLS.
- 3. DESIGN SOIL BEARING PRESSURE OF 2000 PSF BASED ON IBC 2018 TABLE 1806.2.
- 4. ALL EXTERIOR FOOTINGS SHALL BEAR AT OR BELOW THE MINIMUM FROST DEPTH OF 12" BELOW FINISHED GRADE. ALL INTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 12 INCHES BELOW TOP OF SLAB.
- 5. ALL FOOTINGS AND SLABS SHALL BEAR ON COMPETANT NATIVE SOIL OR STRUCTURAL FILL. ALL FILL SHALL BE COMPACTED IN LIFTS OF 8 INCHES MAXIMUM AND COMPACTED TO MINIMUM 95% OF MODIFIED PROCTOR.
- 6. PROVIDE PRESSURE TREATED WOOD AT ALL LOCATIONS WHERE IN CONTACT WITH CONCRETE, WITHIN 8" OF EXPOSED GRADE, OR NOT OTHERWISE WEATHERPROOFED.
- 7. REFERENCE HOLD-DOWN SHEDULE AND SHEAR WALL SCHEDULE FOR HOLD-DOWN ANCHOR AND SILL PLATE ANCHORAGE REQUIREMENTS.
- 8. REFERENCE THE STRUCTURAL GENERAL NOTES FOR DESIGN CRITERIA, LEGEND, AND ABBREVIATIONS.

### STUD AND SHEAR WALL PLAN NOTES:

- 1. ALL EXTERIOR WALLS AND INTERIOR BEARING WALLS SHALL BE PER THE PLANS OR STUD WALL SCHEDULE, UNLESS NOTED OTHERWISE. STUDS SHALL ALIGN NOMINALLY FLOOR TO FLOOR WITH STUDS, JOISTS, AND TRUSSES. ATTACH SILL PLATES TO CONCRETE, RIM BOARD, OR TOP PLATE PER SCHEDULE, UNO IN SHEAR WALL SCHEDULE.
- 2. REFERENCE THE STRUCTURAL GENERAL NOTES FOR DESIGN CRITERIA, LUMBER GRADES, LEGEND, AND ABBREVIATIONS.
- 3. PROVIDE MINIMUM BLOCKING AT 5'-0" OC MAX FOR ALL BEARING AND EXTERIOR WALLS. REFER TO SHEAR WALL SCHEDULE FOR ADDITIONAL BLOCKING REQUIREMENTS.
- 4. PROVIDE MINIMUM SILL ANCHORAGE OF 5/8" X 7" EMBED BOLTS AT 48" OC UNLESS NOTED OTHERWISE ON SHEARWALL SCHEDULE. BOLTS SHALL BE GALVANIZED AT PRESSURE TREATED SILL PLATES.
- 5. FOR SHEAR WALL STRAPS AND ATTACHMENT REQUIREMENTS, REFERENCE THE SHEAR WALL SCHEDULE. 6. NDICATES HOLD-DOWN TYPE, REFERENCE HOLD-DOWN SCHEDULE.

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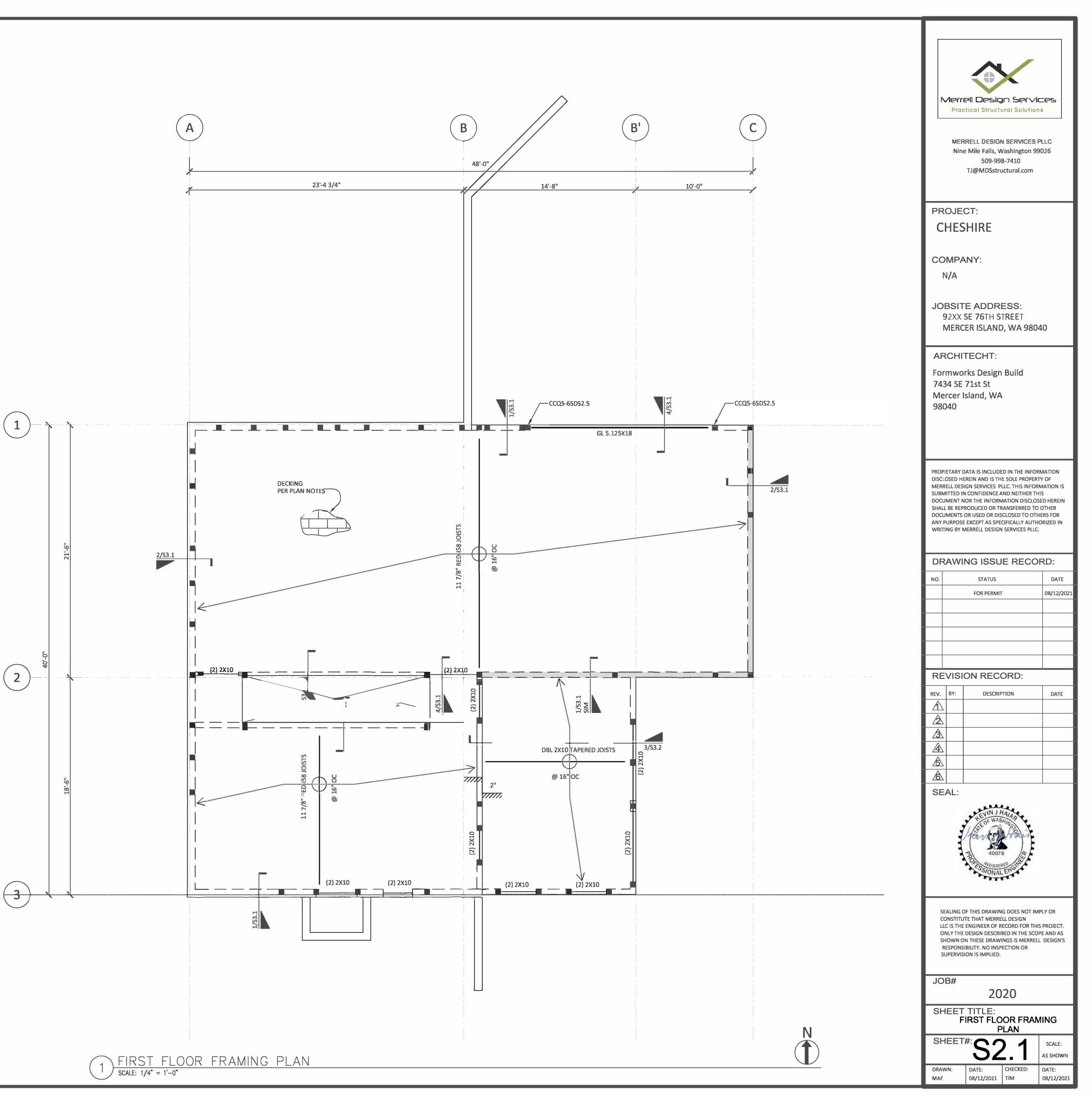
### FLOOR FRAMING PLAN NOTES:

- 1. VERIFY LOCATIONS OF NEW COLUMNS, WALLS, OPENINGS, ETC. WITH ARCHITECTURAL DRAWINGS. VERIFY ALL WALL, FLOOR, AND ROOF ELEVATIONS WITH ARCHITECTS DRAWINGS.
- 2. COORDINATE FRAMING WITH ALL MECHANICAL, HVAC, SPRINKLER, PLUMBING, AND ELECTRICAL DRAWINGS.
- 3. ALL WOOD EXPOSED TO WEATHER, OR IN CONTACT WITH CONCRETE, OR WITHIN 8" OF GRADE SHALL BE PRESSURE TREATED.
- 4. PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS/TRUSSES OVER ALL BEARING WALLS AND SHEAR WALLS.
- 5. ALL HORIZONTRAL STRAP TIES INDICATED ON PLAN SHALL BE ALINGED WITH TOP PLATE OR BEAM AND BE CENTERED OVER THE JOINT BETWEEN ADJOINING ELEMENTS. REFERNCE THE STRAP MANUFACURER FOR FASTENER SIZE AND SPACING.
- 6. ALL JOIST HANGERS SHALL BE SIMPSON TOP FLANGE BEARING JB TYPE, UNO. GLULAM HANGERS SHALL BE HGLTV UNLESS NOTED OTHERWISE ON PLAN. ENGINEERED "I" JOIST HANGERS SHALL BE DESIGNED AND SUPPLIED BY THE JOIST SUPPLIER.
- 7. ALL HEADERS SHALL BE MINIMUM (2) 2X10 FOR SPANS UP TO 3 FEET AND MINIMUM 5 1/8 X 12 GLULAM FOR SPANS UP TO 6 FEET, UNLESS INDICATED OTHERWISE. ALL HEADERS AND BEAMS SHALL BE SUPPORTED BY A MINIMUM OF (2) TRIMMER AND (1) KING STUD. REFERENCE THE PLANS FOR LARGER POSTS OR ADDITIONAL TRIMMERS WHERE REQUIRED. TRIMMER STUDS OR POSTS SHALL BE CONTINUOUS TO THE FOUNDATION UNLESS SUPPORTED BY TRANSFER BEAM.
- 8. REFERENCE SHEAR WALL SCHEDULE FOR SHEAR WALL TYPES AND CONSTRUCTION REQUIREMENTS.
- 9. REFERENCE THE STRUCTURAL GENERAL NOTES FOR DESIGN CRITERIA, LEGEND, AND ABBREVIATIONS. 10. PROVIDE JOIST/TRUSS BRIDGING PER MANUFACTURERS REQUIREMENTS FOR ALL ENGINEERED JOISTS AND
- TRUSSES. 11. PROVIDE DOUBLE JOISTS OR DOUBLE BLOCKING AROUND ENTIRE PERIMETER OF OPENINGS GREATER THAN ONE
- JOIST BAY. PROVIDE DOUBLE JOIST HANGER AT ENDS OF BLOCKING.
- 12. FLOOR SHEATHING SHALL BE AS FOLLOWS:

	FLOOR SHEATHING			
	SIZE	EDGE NAILING	<b>FIELD NAILING</b>	SPAN RATING
	23/32"	0.131 X 2.5" @ 6" OC	0.131 X 2.5" @ 12" OC	24 OC
1	NOTES: 1. ALL SHEATHING SHALL BE APA-RATED.			
	2. LAY SHEATHING WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.			
	3. STAGGER ALL SHEATHING PANEL END JOINTS			
	<ol><li>PROVIDE 1/8" GAP BETWEEN PANEL ENDS AND EDGES</li></ol>			S
	4. FLOOR SHEATHING SHALL BE STURD -I-FLOOR GRADE.			

13. STRUCTURAL WALL STUD SIZES ARE AS FOLLOWS. REFERENCE THE GENERAL NOTES FOR LUMBER SPECIES:

STRUCTURAL WALL STUD SIZES (minimum)			
Wall	Stud Size	Spacing	Grade
Interior Bearing	2x4	16" OC	no 2
Exterior	2x6.	16" OC	no 2



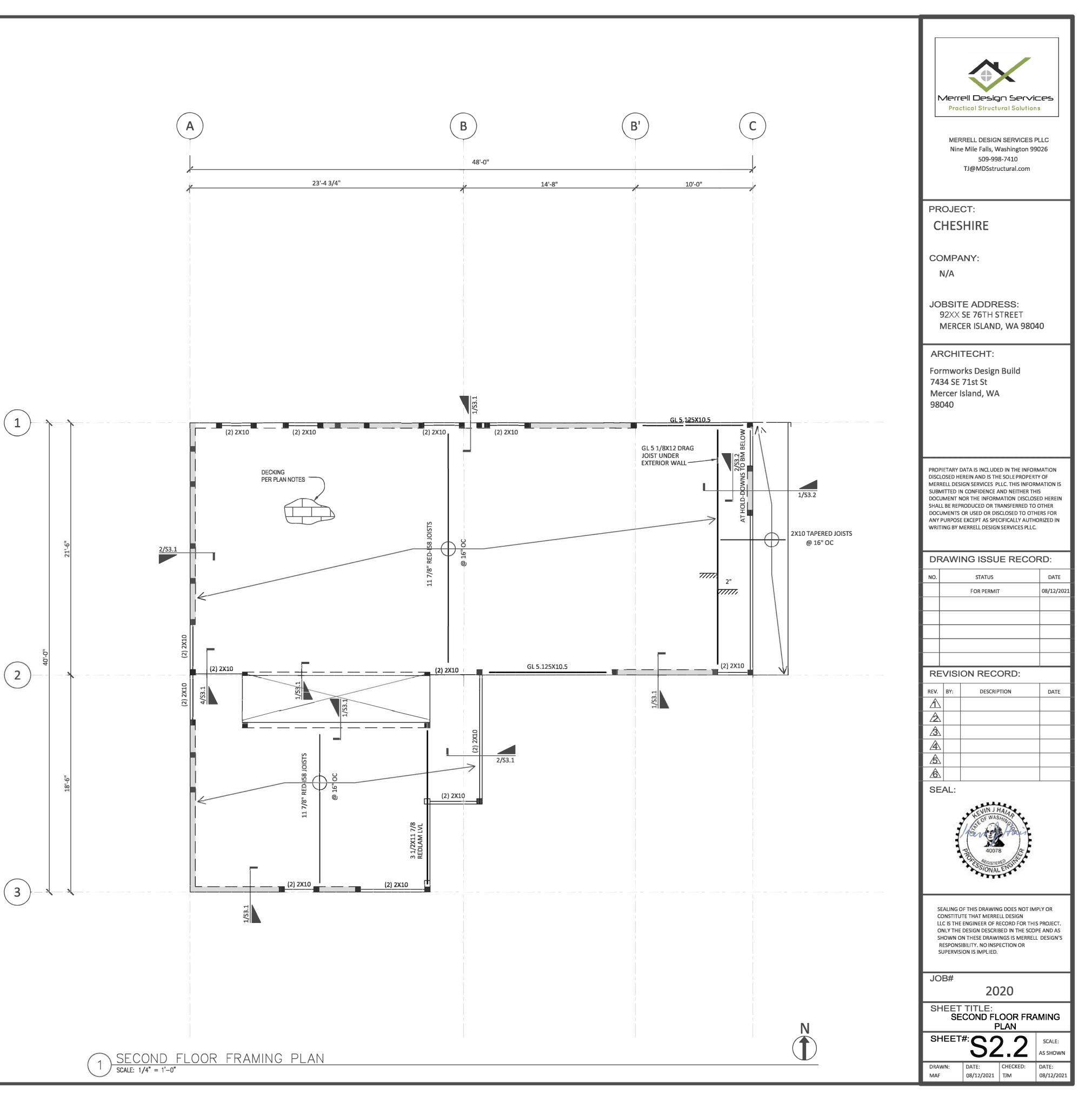
### FLOOR FRAMING PLAN NOTES:

- 1. VERIFY LOCATIONS OF NEW COLUMNS, WALLS, OPENINGS, ETC. WITH ARCHITECTURAL DRAWINGS. VERIFY ALL WALL, FLOOR, AND ROOF ELEVATIONS WITH ARCHITECTS DRAWINGS.
- 2. COORDINATE FRAMING WITH ALL MECHANICAL, HVAC, SPRINKLER, PLUMBING, AND ELECTRICAL DRAWINGS. 3. ALL WOOD EXPOSED TO WEATHER, OR IN CONTACT WITH CONCRETE, OR WITHIN 8" OF GRADE SHALL BE PRESSURE TREATED.
- 4. PROVIDE SOLID BLOCKING BETWEEN FLOOR JOISTS/TRUSSES OVER ALL BEARING WALLS AND SHEAR WALLS.
- 5. ALL HORIZONTRAL STRAP TIES INDICATED ON PLAN SHALL BE ALINGED WITH TOP PLATE OR BEAM AND BE CENTERED OVER THE JOINT BETWEEN ADJOINING ELEMENTS. REFERNCE THE STRAP MANUFACURER FOR FASTENER SIZE AND SPACING.
- 6. ALL JOIST HANGERS SHALL BE SIMPSON TOP FLANGE BEARING JB TYPE, UNO. GLULAM HANGERS SHALL BE HGLTV UNLESS NOTED OTHERWISE ON PLAN. ENGINEERED "I" JOIST HANGERS SHALL BE DESIGNED AND SUPPLIED BY THE JOIST SUPPLIER.
- 7. ALL HEADERS SHALL BE MINIMUM (2) 2X10 FOR SPANS UP TO 3 FEET AND MINIMUM 5 1/8 X 12 GLULAM FOR SPANS UP TO 6 FEET, UNLESS INDICATED OTHERWISE. ALL HEADERS AND BEAMS SHALL BE SUPPORTED BY A MINIMUM OF (2) TRIMMER AND (1) KING STUD. REFERENCE THE PLANS FOR LARGER POSTS OR ADDITIONAL TRIMMERS WHERE REQUIRED. TRIMMER STUDS OR POSTS SHALL BE CONTINUOUS TO THE FOUNDATION UNLESS SUPPORTED BY TRANSFER BEAM.
- 8. REFERENCE SHEAR WALL SCHEDULE FOR SHEAR WALL TYPES AND CONSTRUCTION REQUIREMENTS.
- 9. REFERENCE THE STRUCTURAL GENERAL NOTES FOR DESIGN CRITERIA, LEGEND, AND ABBREVIATIONS. 10. PROVIDE JOIST/TRUSS BRIDGING PER MANUFACTURERS REQUIREMENTS FOR ALLENGINEERED JOISTS AND
- TRUSSES. 11. PROVIDE DOUBLE JOISTS OR DOUBLE BLOCKING AROUND ENTIRE PERIMETER OF OPENINGS GREATER THAN ONE
- JOIST BAY. PROVIDE DOUBLE JOIST HANGER AT ENDS OF BLOCKING. 12. FLOOR SHEATHING SHALL BE AS FOLLOWS:

	FLOOR SHEATHING				
9	SIZE	EDGE NAILING FIELD NAILING SPAN R/		SPAN RATING	
23	3/32"	0.131 X 2.5" @ 6" OC 0.131 X 2.5" @ 12" OC 24 OC			
N	OTES:	1. ALL SHEATHING SHALL BE APA-RATED.			
		2. LAY SHEATHING WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.			
		3. STAGGERALLSHEATHING PANELEND JOINTS			
		3. PROVIDE 1/8" GAP BETWEEN PANELENDS AND EDGES			
	4. FLOOR SHEATHING SHALL BE STURD -I-FLOOR GRADE.				

13. STRUCTURAL WALL STUD SIZES ARE AS FOLLOWS. REFERENCE THE GENERAL NOTES FOR LUMBER SPECIES:

STRUCTURAL WALL STUD SIZES (minimum)			
Wall	Stud Size	Spacing	Grade
Interior Bearing	2x4	16" OC	no 2
Exterior	2x6.	16" OC	no 2

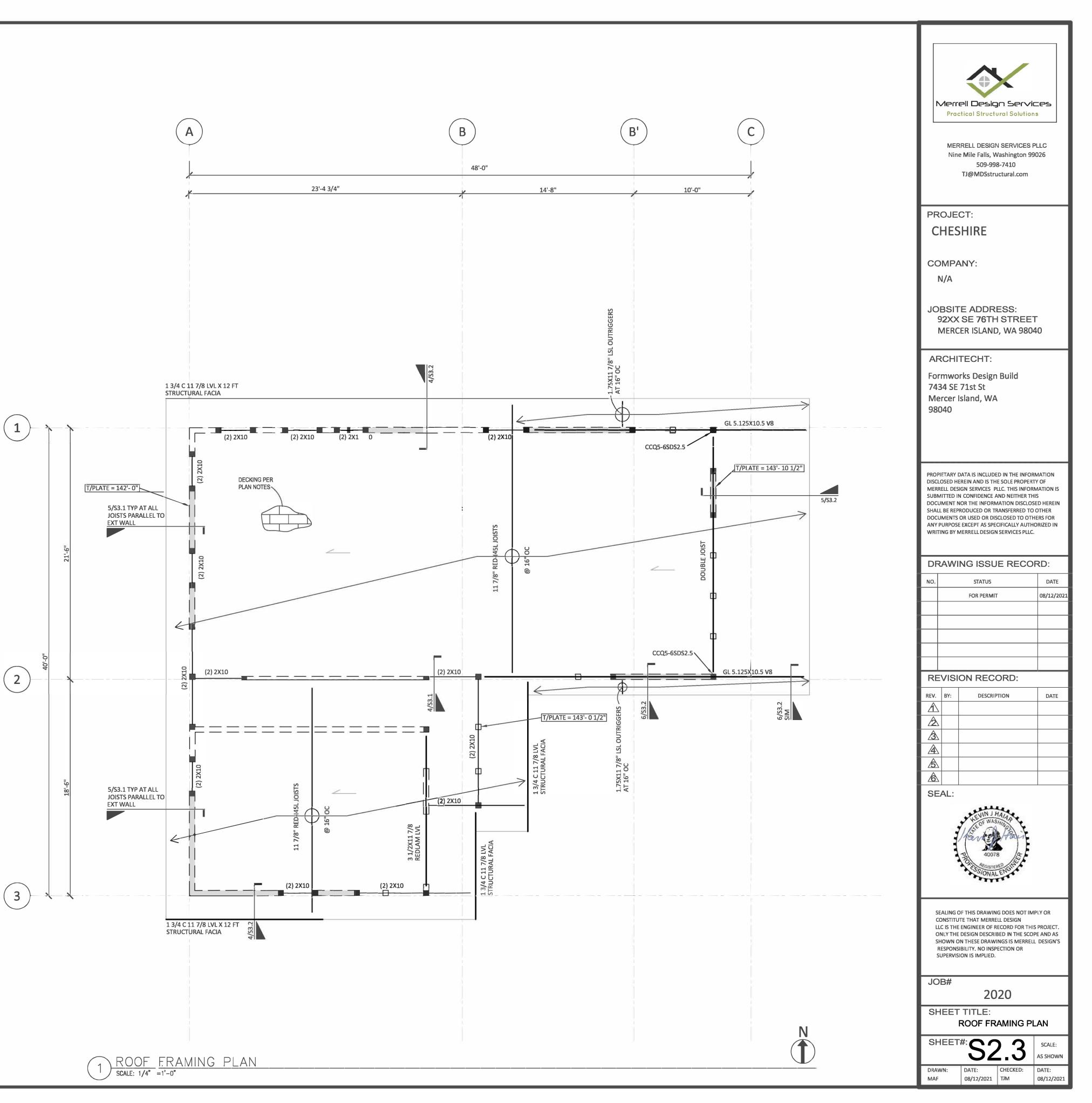


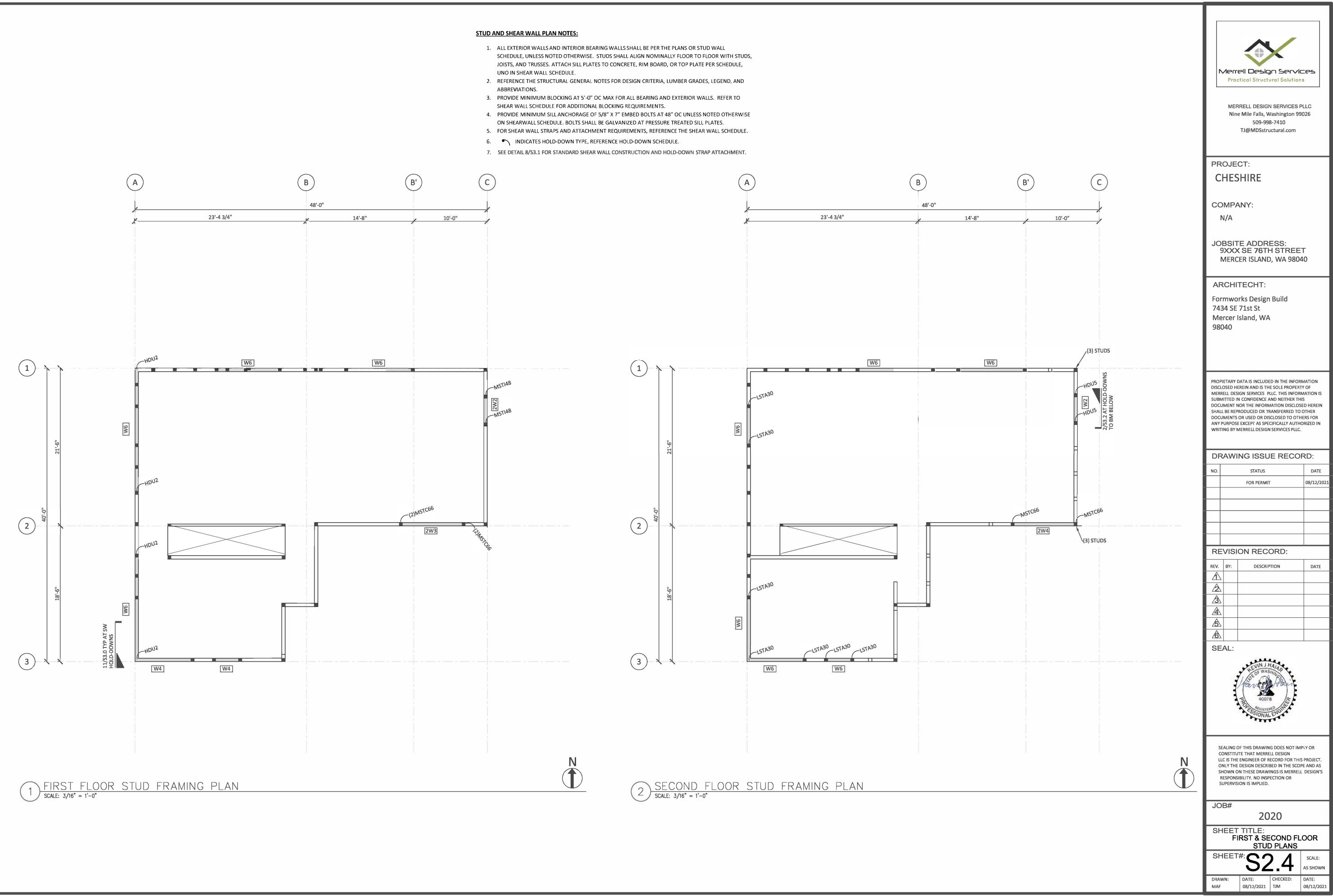
### **ROOF FRAMING PLAN NOTES:**

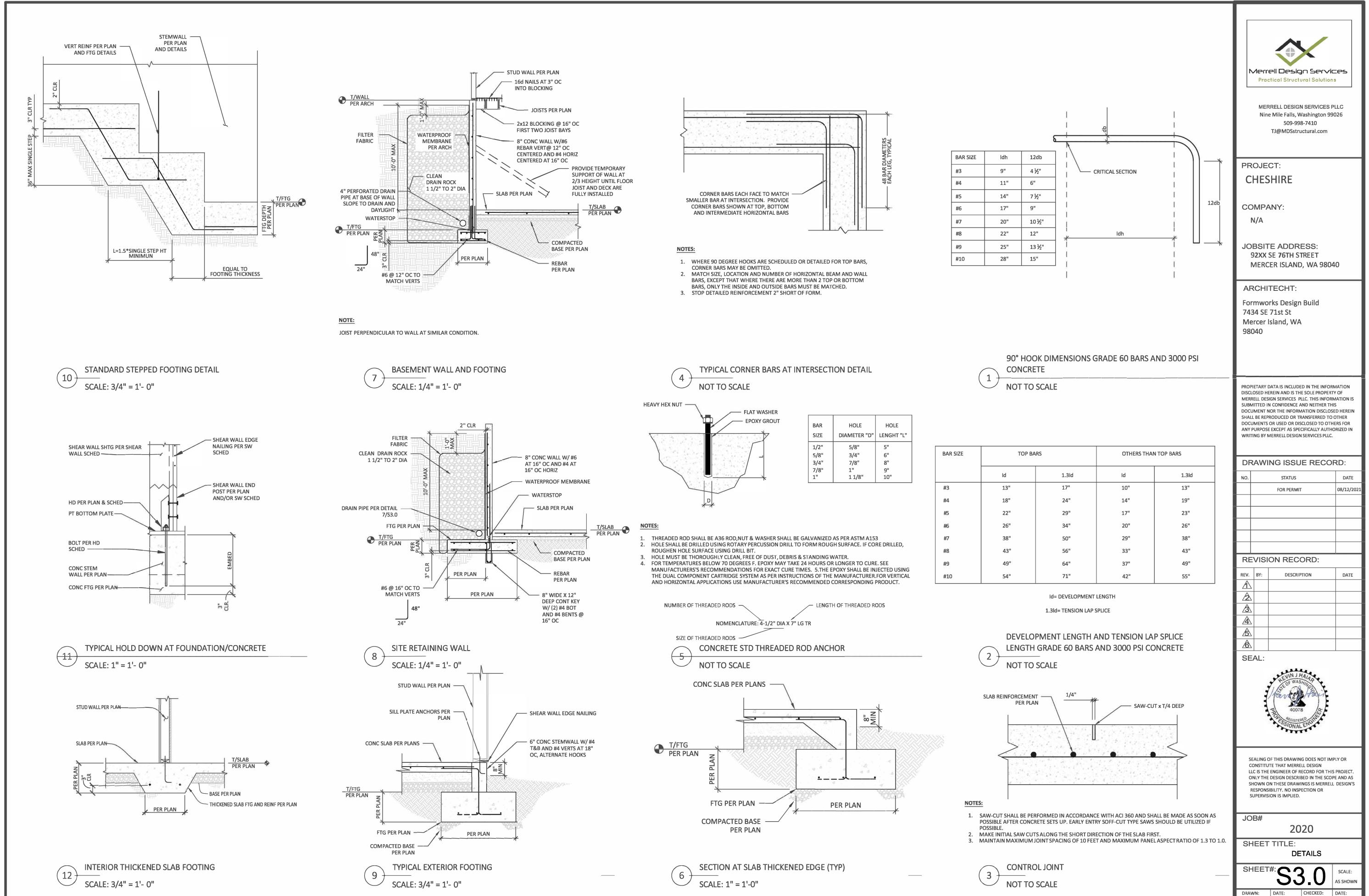
- 1. VERIFY LOCATIONS OF NEW COLUMNS, WALLS, OPENINGS, ETC. WITH ARCHITECTURAL DRAWINGS. VERIFY ALL WALL, FLOOR, AND ROOF ELEVATIONS WITH ARCHITECTS DRAWINGS.
- 2. COORDINATE FRAMING WITH ALL MECHANICAL, HVAC, SPRINKLER, PLUMBING, AND ELECTRICAL DRAWINGS.
- 3. PROVIDE MINIMUM SIMPSON H2.5A HURRICANE TIES AT ALL ROOF JOISTS/TRUSSES UNLESS HEAVIER TIES ARE INDICATED ON PLAN.
- 4. PROVIDE SOLID BLOCKING BETWEEN ROOF JOISTS/TRUSSES OVER ALL BEARING WALLS AND SHEAR WALLS.
- 5. ALL HORIZONTRAL STRAP TIES INDICATED ON PLAN SHALL BE ALINGED WITH TOP PLATE OR BEAM AND BE CENTERED OVER THE JOINT BETWEEN ADJOINING ELEMENTS. REFERNCE THE STRAP MANUFACURER FOR FASTENER SIZE AND SPACING.
- 6. ALL JOIST HANGERS SHALL BE SIMPSON TOP FLANGE BEARING JB TYPE, UNO. GLULAM HANGERS SHALL BE HGLTV UNLESS NOTED OTHERWISE ON PLAN. ENGINEERED "I" JOIST HANGERS SHALL BE DESIGNED AND SUPPLIED BY THE JOIST SUPPLIER.
- 7. ALL HEADERS SHALL BE MINIMUM (2) 2X10 FOR SPANS UP TO 3 FEET AND MINIMUM 51/8 X 12 GLULAM FOR SPANS UP TO 6 FEET, UNLESS INDICATED OTHERWISE. ALL HEADERS AND BEAMS SHALL BE SUPPORTED BY A MINIMUM OF (2) TRIMMER AND (1) KING STUD REFERENCE THE PLANS FOR LARGER POSTS OR ADDITIONAL TRIMMERS WHERE REQUIRED. TRIMMER STUDS OR POSTS SHALL BE CONTINUOUS TO THE FOUNDATION UNLESS SUPPORTED BY TRANSFER BEAM.
- 8. REFERENCE SHEAR WALL SCHEDULE FOR SHEAR WALL TYPES AND CONSTRUCTION REQUIREMENTS.
- 9. REFERENCE THE STRUCTURAL GENERAL NOTES FOR DESIGN CRITERIA, LEGEND, AND ABBREVIATIONS. 10. PROVIDE JOIST/TRUSS BRIDGING PER MANUFACTURERS REQUIREMENTS FOR ALL ENGINEERED JOISTS
- AND TRUSSES.
- 11. ROOF SHEATHING SHALL BE AS FOLLOWS:

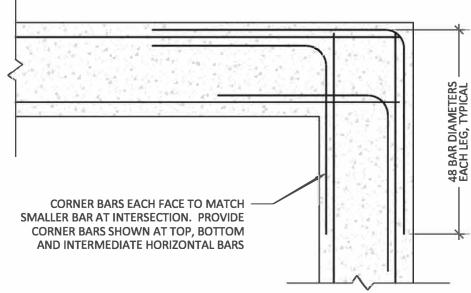
ROOF SHEATHING			
SIZE	EDGE NAILING	FIELD NAILING	SPAN RATING
19/32"	0.131 X 2.5" @ 6" OC	0.131 X 2.5" @ 12" OC	32/16
NOTES:	TES: 1. ALL SHEATHING SHALL BE APA-RATED.		
	2. LAY SHEATHING WITH FACE GRAIN PERPENDICULAR TO SUPPORTS.		
	3. STAGGER ALL SHEATHING PANEL END JOINTS		
	3. PROVIDE 1/8" GAP BETWEEN PANEL ENDS AND EDGES		
4. ROOF SHEATHIGN SHALL BE C-D GRADE			

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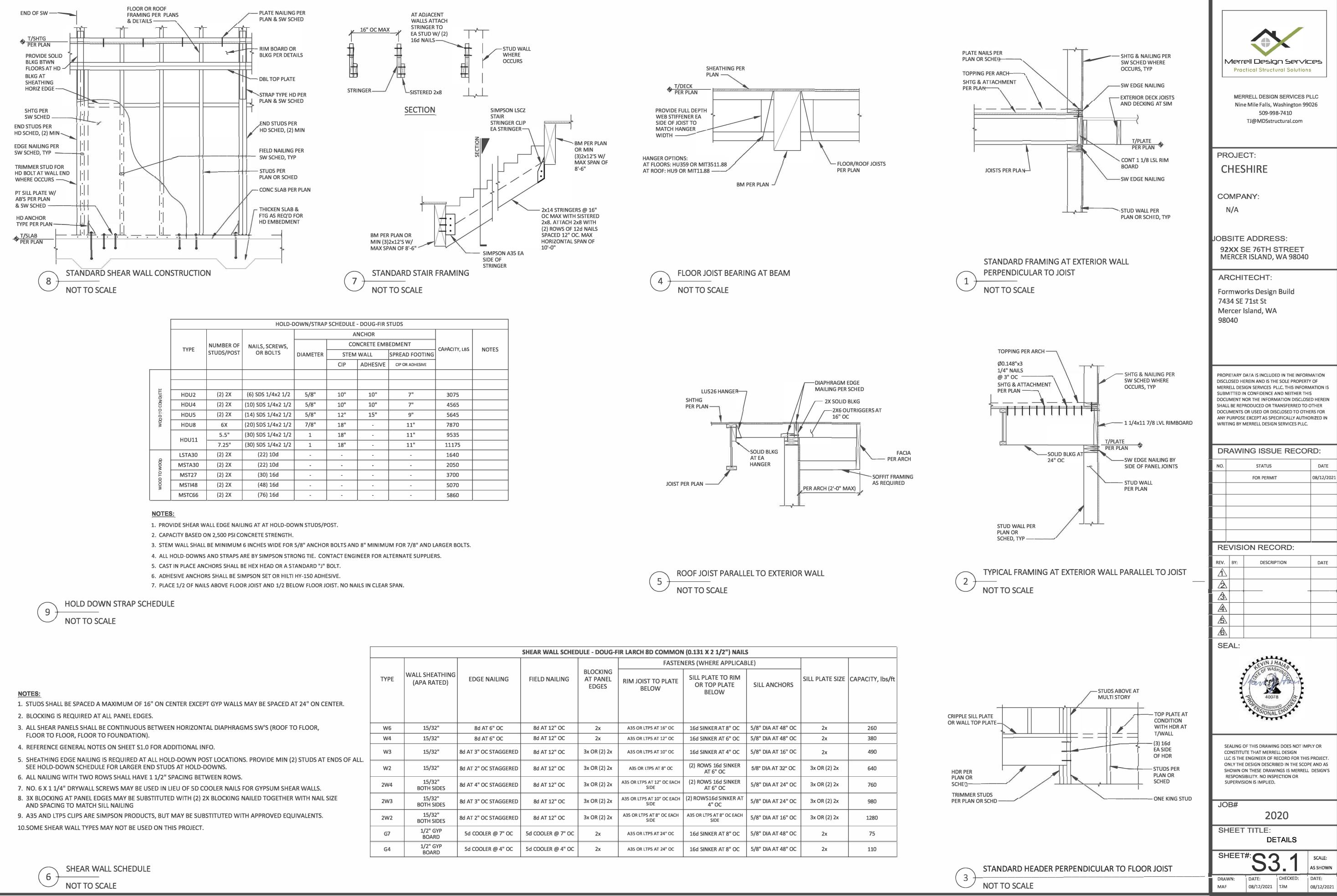
BAR SIZE	ldh	120
#3	9"	4¥
#4	11"	6"
#5	14"	7 1/2
#6	17"	9"
#7	20"	10
#8	22"	12"
#9	25"	13
#10	28"	15"

MAF

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RS	OTHERS THAN	N TOP BARS
1.3Id	ld	1.3Id
17"	10"	13"
24"	14"	19"
29"	17"	23"
34"	20"	26"
50"	29"	38"
56"	33"	43"
64"	37"	49"
71"	42"	55"



		HOLD-D	OWN/STRAP	SCHEDULE	- DOUG-FIR S	STUDS		
ТҮРЕ	NUMBER OF STUDS/POST	NAILS, SCREWS, OR BOLTS						
			DIAMETER	CO	CAPACITY, LBS			
				STEM WALL		SPREAD FOOTING		
				CIP	ADHESIVE	CIP OR ADHESIVE		
HDU2	(2) 2X	(6) SDS 1/4x2 1/2	5/8"	10"	10"	7"	3075	
HDU2 HDU4 HDU5 HDU8	(2) 2X	(10) SDS 1/4x2 1/2	5/8"	10"	10"	7"	4565	
HDU5	(2) 2X	(14) SDS 1/4x2 1/2	5/8"	12"	15"	9"	5645	
HDU8	6X	(20) SDS 1/4x2 1/2	7/8"	18"	-	11"	7870	
HDU11	5.5"	(30) SDS 1/4x2 1/2	1	18"	-	11"	9535	
	7.25"	(30) SDS 1/4x2 1/2	1	18"	-	11"	11175	
		(22) 10d	-	-	-	-	1640	
MSTA30 MST27 MST148	(2) 2X	(22) 10d	-	-	-	-	2050	
MST27	(2) 2X	(30) 16d	-	-	-	-	3700	
MSTI48	(2) 2X	(48) 16d	-	-	-	-	5070	
MSTC66	(2) 2X	(76) 16d	-	-	-	-	5860	
	HDU2 HDU4 HDU5 HDU8 HDU11 LSTA30 MSTA30 MST27 MSTI48	TYPE         STUDS/POST           HDU2         (2) 2X           HDU4         (2) 2X           HDU5         (2) 2X           HDU5         (2) 2X           HDU8         6X           HDU11         7.25"           LSTA30         (2) 2X           MSTA30         (2) 2X           MST27         (2) 2X           MST148         (2) 2X	TYPE         NUMBER OF STUDS/POST         NAILS, SCREWS, OR BOLTS           HDU2         2         2           HDU2         (2) 2X         (6) SDS 1/4x2 1/2           HDU4         (2) 2X         (10) SDS 1/4x2 1/2           HDU5         (2) 2X         (14) SDS 1/4x2 1/2           HDU8         6X         (20) SDS 1/4x2 1/2           HDU11         5.5"         (30) SDS 1/4x2 1/2           HDU11         7.25"         (30) SDS 1/4x2 1/2           LSTA30         (2) 2X         (22) 10d           MSTA30         (2) 2X         (30) 16d           MST148         (2) 2X         (48) 16d	TYPE         NUMBER OF STUDS/POST         NAILS, SCREWS, OR BOLTS         DIAMETER           DIAMETER         DIAMETER           HDU2         (2) 2X         (6) SDS 1/4x2 1/2         5/8"           HDU4         (2) 2X         (10) SDS 1/4x2 1/2         5/8"           HDU5         (2) 2X         (14) SDS 1/4x2 1/2         5/8"           HDU5         (2) 2X         (14) SDS 1/4x2 1/2         5/8"           HDU8         6X         (20) SDS 1/4x2 1/2         7/8"           HDU11         7.25"         (30) SDS 1/4x2 1/2         1           LSTA30         (2) 2X         (22) 10d         -           MSTA30         (2) 2X         (30) 16d         -           MST148         (2) 2X         (48) 16d         -	TYPE         NUMBER OF STUDS/POST         NAILS, SCREWS, OR BOLTS         DIAMETER         COID DIAMETER           HDU2         (2) 2X         (6) SDS 1/4x2 1/2         5/8"         10"           HDU2         (2) 2X         (6) SDS 1/4x2 1/2         5/8"         10"           HDU4         (2) 2X         (10) SDS 1/4x2 1/2         5/8"         10"           HDU5         (2) 2X         (10) SDS 1/4x2 1/2         5/8"         10"           HDU4         5.5"         (30) SDS 1/4x2 1/2         5/8"         12"           HDU11         5.5"         (30) SDS 1/4x2 1/2         5/8"         18"           HDU11         5.5"         (30) SDS 1/4x2 1/2         1         18"           MSTA30         (2) 2X         (22) 10d         -         -           MST27         (2) 2X         (30) 16d         -         -           MST148         (2) 2X         (48) 16d         -         -	TYPE         NUMBER OF STUDS/POST         NAILS, SCREWS, OR BOLTS         DIAMETER DIAMETER $CONCRETE EMBSTEM           DIAMETER         STEM         ADHESIVE           HDU2         (2) 2X         (6) SDS 1/4x2 1/2         5/8"         10"         10"           HDU4         (2) 2X         (6) SDS 1/4x2 1/2         5/8"         10"         10"           HDU4         (2) 2X         (10) SDS 1/4x2 1/2         5/8"         10"         10"           HDU5         (2) 2X         (10) SDS 1/4x2 1/2         5/8"         10"         10"           HDU8         6X         (20) SDS 1/4x2 1/2         5/8"         12"         15"           HDU11         5.5"         (30) SDS 1/4x2 1/2         7/8"         18"         -           HDU11         7.25"         (30) SDS 1/4x2 1/2         1         18"         -           LSTA30         (2) 2X         (22) 10d         -         -         -           MST27         (2) 2X         (30) 16d         -         -         -           MST148         (2) 2X         (48) 16d         -         -         -  $	TYPENUMBER OF STUDS/POSTNAILS, SCREWS, OR BOLTSICIPORADESTICIPORADESTDIAMETERSTEW VALLSPREAD FOOTINGVIDECIP OR ADHESIVEICIPOR ADHESIVEIDAMETERSTEW VALLSPREAD FOOTINGIDAMETERSTEW VALLSPREAD FOOTINGIDAMETERCIP OR ADHESIVEIDAICIPADHESIVESIPEAD FOOTINGIDAICIP OR ADHESIVEICIP OR ADHESIVEIDAICIP OR ADHESIVE <th rows<="" td=""></th>	



SHEAR WALL SCHEDULE - DOUG-FIR LARCH 8D COMMON (0.131 X 2 1/2") NAILS											
EDGE NAILING	FIELD NAILING	BLOCKING AT PANEL EDGES	FASTEN								
			RIM JOIST TO PLATE BELOW	SILL PLATE TO RIM OR TOP PLATE BELOW	SILL ANCHORS	SILL PLATE SIZE	CAPACITY, lbs/ft				
8d AT 6" OC	8d AT 12" OC	2x	A35 OR LTP5 AT 16" OC	16d SINKER AT 8" OC	5/8" DIA AT 48" OC	2x	260				
8d AT 6" OC	8d AT 12" OC	2x	A35 OR LTP5 AT 12" OC	16d SINKER AT 6" OC	5/8" DIA AT 48" OC	2x	380				
8d AT 3" OC STAGGERED	8d AT 12" OC	3x OR (2) 2x	A35 OR LTP5 AT 10" OC	16d SINKER AT 4" OC	5/8" DIA AT 16" OC	2x	490				
8d AT 2" OC STAGGERED	8d AT 12" OC	3x OR (2) 2x	A35 OR LTP5 AT 8" OC	(2) ROWS 16d SINKER AT 6" OC	5/8" DIA AT 32" OC	3x OR (2) 2x	640				
8d AT 4" OC STAGGERED	8d AT 12" OC	3x OR (2) 2x	A35 OR LTP5 AT 12" OC EACH SIDE	(2) ROWS 16d SINKER AT 6" OC	5/8" DIA AT 24" OC	3x OR (2) 2x	760				
8d AT 3" OC STAGGERED	8d AT 12" OC	3x OR (2) 2x	A35 OR LTP5 AT 10" OC EACH SIDE	(2) ROWS16d SINKER AT 4" OC	5/8" DIA AT 24" OC	3x OR (2) 2x	980				
8d AT 2" OC STAGGERED	8d AT 12" OC	3x OR (2) 2x	A35 OR LTP5 AT 8" OC EACH SIDE	A35 OR LTP5 AT 8" OC EACH SIDE	5/8" DIA AT 16" OC	3x OR (2) 2x	1280				
5d COOLER @ 7" OC	5d COOLER @ 7" OC	2x	A35 OR LTP5 AT 24" OC	16d SINKER AT 8" OC	5/8" DIA AT 48" OC	2x	75				
5d COOLER @ 4" OC	5d COOLER @ 4" OC	2x	A35 OR LTP5 AT 24" OC	16d SINKER AT 8" OC	5/8" DIA AT 48" OC	2x	110				

