PROJECT TEAM

OWNER RALPH & KATHARINE BRINDLEY 8474 - 85TH AVE. SE MERCER ISLAND, WA 98040 (206) 369-5329 kbrindley@bbllaw.com

ARCHITECT STUART SILK ARCHITECTS 2400 N 45TH ST., SUITE 200 SEATTLE, WA 98103 CONTACT: ERIC HENYEY, AIA (206) 728-9500 x115 eric@stuartsilk.com

LANDSCAPE ARCHITECT RAGEN & ASSOCIATES 517 E PIKE ST., UPPER LEVEL SEATTLE, WA 98122 CONTACT: CHIP RAGEN (206) 329-4737

CONTRACTOR TOTH CONSTRUCTION 220 S RIVER STREET SEATTLE, WA 98108 WA LICENSE #TOTHCI*159NA

chip@ragenassociates.com

M.I. BUSINESS LICENSE #930192 CONTACT: RYAN RANTZ (206) 242-9093 ryanr@tothconstruction.com

ARBORIST SUPERIOR NW ENTERPRISES 13110 NE 177TH PL., SUITE 304 WOODINVILLE, WA 98072 CONTACT: ANTHONY MORAN (206) 930-5724 anthony@superiornw.com

CIVIL ENGINEER HL ENGINEERING P.O. BOX 81211 SEATTLE, WA 98108 CONTACT: PATRICK HANSEN-LUND, PE (858) 581-0754 patrick@hl.engineering.com

GEOTECHNICAL ENGINEER GEOTECH CONSULTANTS 2401 - 10TH AVE. E SEATTLE, WA 98102 CONTACT: ROB WARD (425) 747-5618 robw@geotechnw.com

STRUCTURAL ENGINEER QUANTUM CONSULTING ENGINEERS 1511 THIRD AVE., SUITE 323 SEATTLE, WA 98101 CONTACT: SANDRO KODAMA, PE, SE (206) 957-3907

skodama@quatumce.com SURVEYOR TERRANE 10801 MAIN ST., SUITE 102 BELLEVUE, WA 98004 (425) 458-4488 support@terrane.net

ALARM CONSULTANT SIGNATURE AUDIO & VIDEO 227 BELLEVUE WAY NE, SUITE 588 BELLEVUE, WA 98004 CONTACT: DENNY STEVENS (425) 818-9004 denny@signatureav.com

ELECTRICIAN MAPLE VALLEY ELECTRIC 26828 MAPLE VALLEY HWY. PMB 275 MAPLE VALLEY, WA 98038 WA LICENSE #MAPLEVE904D5 M.I. BUSINESS LICENSE #060552 CONTACT: TYLER MICHAM (425) 894-1772 tyler@maplevalleyelectric.com

PLUMBER SUPERIOR PLUMBING & HEATING 11621 - 23RD AVE. SW BURIEN, WA 98146 WA LICENSE #SUPERPH877MS M.I. BUSINESS LICENSE #220967 CONTACT: JIM DOWDELL (206) 397-4060

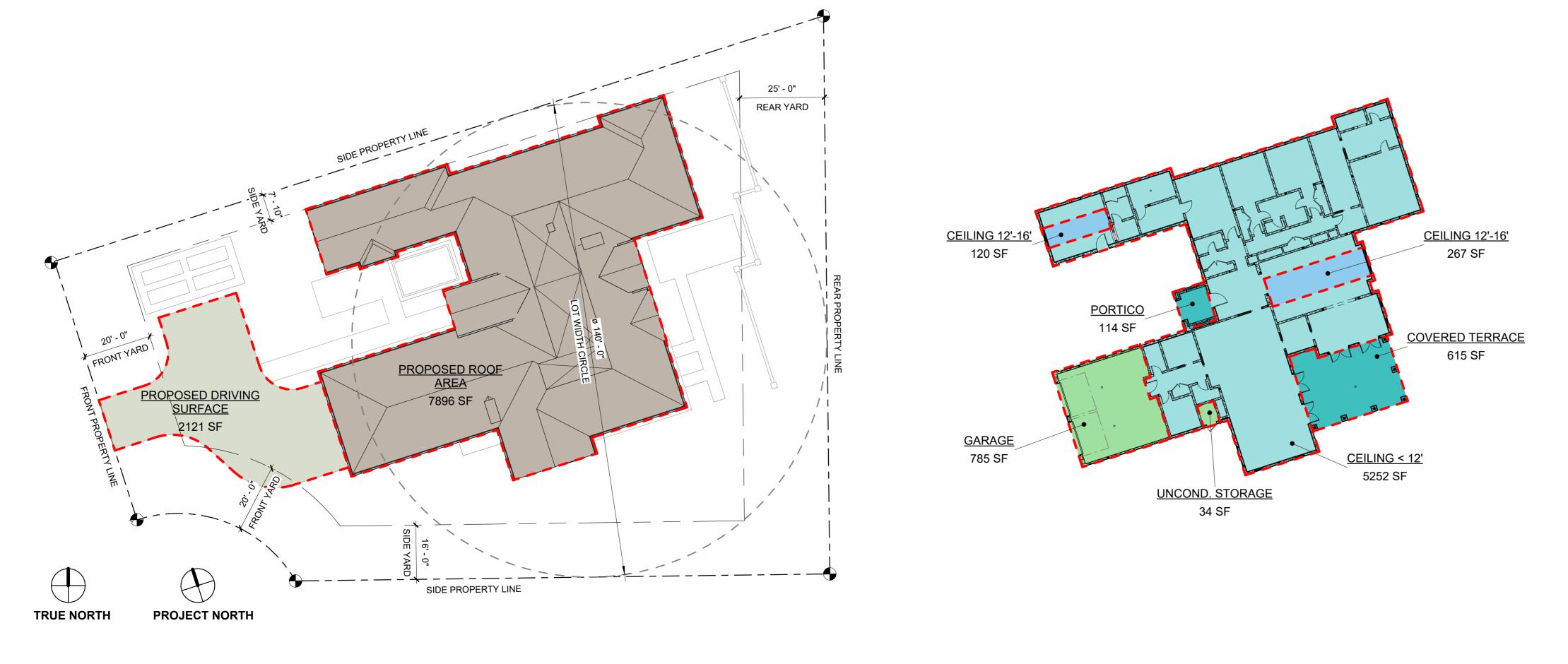
SOLAR CONSULTANT PUGET SOUND SOLAR 805 RAINIER AVE. S SEATTLE, WA 98144 CONTACT: ROY FOSTER (206) 947-7312 roy@pugetsoundsolar.com

jim@plumbitnow.com

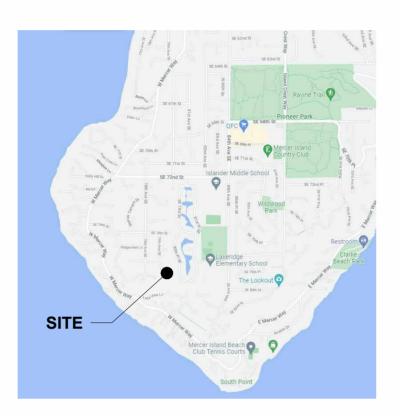
SPRINKLER DESIGNER RED HAWK FIRE PROTECTION 801 VALLEY RD. NW, SUITE D PUYALLUP, WA 98371 WA LICENSE #REDHAHF901QP M.I. BUSINESS LICENSE #130164 CONTACT: RACHEL LINDSTROM (253) 840-9900 rachell@redhawkfp.com



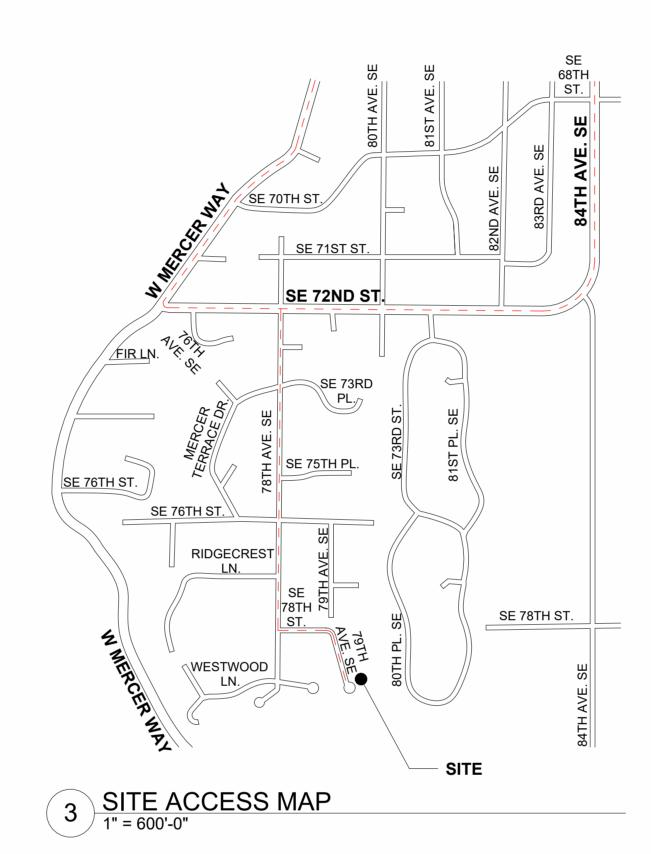
1 PERSPECTIVE VIEW

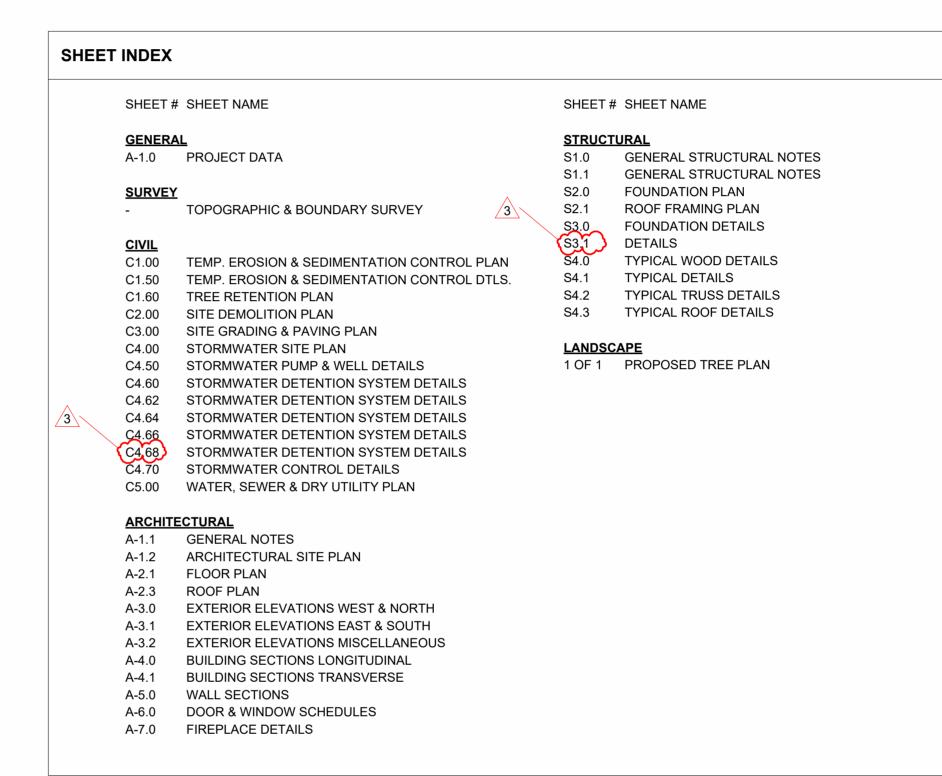


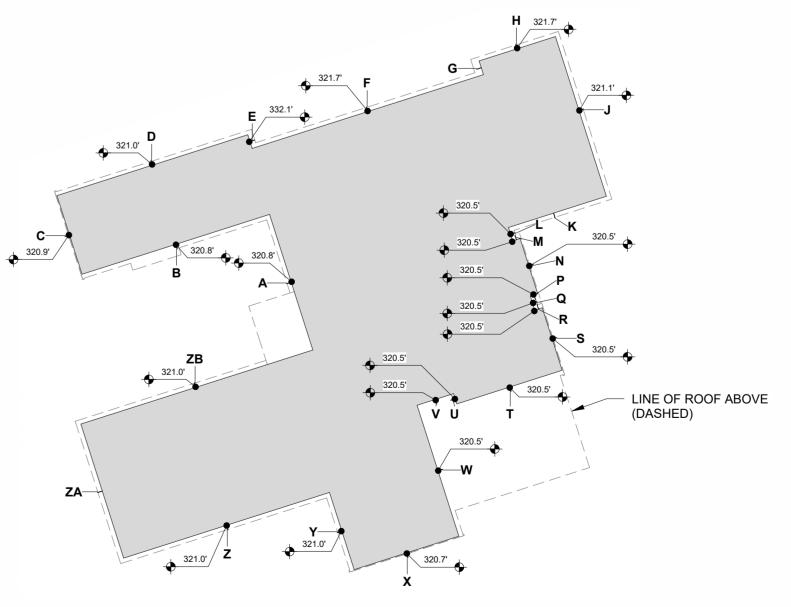
PROPERTY DATA	PROJECT DATA	ZONING DATA		ENERGY DATA	FIRE PROTECTION DATA	VENTILATION DATA
 PROJECT LOCATION 7810 - 79TH AVE. SE MERCER ISLAND, WA 98040 LOT AREA 27,465 SF ASSESSOR'S TAX NUMBER PARCEL NO. 320600-0050 LEGAL DESCRIPTION LOT 5 OF HEADS ADDITION TO MERCER ISLAND, AS PER PLAT RECORDED IN VOLUME 69 OF PLATS, PAGE 65, RECORDS OF KING COUNTY, WASHINGTON. SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON. ZONING DESIGNATION R-15 SETBACKS (MICC 19.02.020 C) FRONT YARD: 20' REAR YARD: 25' LOT WIDTH: 140' (REFER TO 4/A-1.0) SIDE YARDS, TOTAL: 17% X 140' = 23'-10" SIDE YARD, MIN.: 33% X 23'-10" = 7'-10" LOT SLOPE LOWEST ELEVATION: 318' HIGHEST ELEVATION: 318' HIGHEST ELEVATION: 318' DISTANCE BETWEEN ELEVATIONS: 157' SLOPE: (324' - 318') / 157' = 4% BENCHMARK NAIL/WASHER SET IN R.O.W. 02/25/22 REFER TO SURVEY ELEVATION = 318.23' 	PERMIT NO. 2203-116SCOPE OF WORK CONSTRUCTION OF A NEW ONE-STORY SINGLE-FAMILY RESIDENCE, WITH AN ATTACHED GARAGE, ON A PREVIOUSLY UNDEVELOPED LOT.BUILDING CODE COMPLIANCE ALL WORK SHALL COMPLY WITH THE 2018 WASHINGTON STATE RESIDENTIAL CODE (WSRC).DEFERRED SUBMITTALS 13R SPRINKLER SYSTEM MONITORED FIRE ALARM SYSTEMAREA SUMMARY (REFER TO 5/A-1.0)CONDITIONED, CLG. < 12' S.252 SF CONDITIONED, CLG. 12'-16' SUBTOTAL, CONDITIONED S.639 SFGARAGE OUTDOOR STORAGE SUBTOTAL, UNCONDITIONED 819 SFPORTICO COVERED TERRACE SUBTOTAL, EXTERIOR TOTAL BUILDING FOOTPRINT T, 187 SF (TO EXTERIOR F.O. WALLS)	GROSS FLOOR AREA (MICC 19.02.020 D) $PROPOSED$ CLG. < 12': HABITABLE SPACE 5,252 SF GARAGE 785 SF CLG. 12':16': 387 SF X 150% = 581 SF CLG. > 16': 0 SF X 200% = 0 SF TOTAL 6,618 SF 6,618 SF / 27,465 SF = 24.1% ALLOWED 40% X 27,465 SF = 10,986 SF OK BUILDING HEIGHT (MICC 19.02.020 E) PROPOSED (REFER TO A-3.0 & A-3.1) T.O. ROOFING = 338' - 7 3/4" RIDGE VENT = 2" T.O. RIDGE = 338' - 9 3/4" (338.81') (338.81') ALLOWED 30' ABOVE AVERAGE BLDG. ELEV. AVERAGE BUILDING ELEV. 320.95' (REFER TO 6/A-1.0) 320.95" + 30' = 350.95' OK OK	LOT COVERAGE (MICC 19.02.020 F)PROPOSED (REFER TO 4/A-1.0)ROOF AREA7,896 SFDRIVING SURFACES2,121 SFTOTAL10,017 SF10,017 SF / 27,465 SF = 36.5%ALLOWEDSLOPE < 15%: 40% OF LOT AREA40% X 27,465 SF = 10,986 SF DK ANDSCAPEPROPOSED (REFER TO C4.00 & 1/A-1.2)PAVED WALKWAYS630 SFCRUSHED ROCK WALKWAYS & 40 SFLANDSCAPE WALL87 SFTOTAL1,557 SF / 27,465 SF = 5.7%1,557 SF / 27,465 SF = 2,472 SF DK	ENERGY CODE COMPLIANCE ALL WORK SHALL COMPLY WITH THE 2018 WASHINGTON STATE ENERGY CODE (WSEC ENERGY CODE CREDITS (WSEC R406) CREDITS REQUIRED (LARGE DWELLING UNIT) 7.0 FUEL NORMALIZATION SYSTEM TYPE 1: COMBUSTION HEATING EQUIP. 0.0 OPTION 1.3: EFFICIENT BUILDING ENVELOPE 0.5 OPTION 1.3: EFFICIENT WATER HEATING 2.0 OPTION 4.1: HIGH EFFICIENCY HVAC EQUIPMENT 1.0 OPTION 4.1: RENEWABLE ELECTRIC ENERGY (3600 KWH) 3.0 OPTION 5.5: EFFICIENT WATER HEATING 2.0 OPTION 6.1: RENEWABLE ELECTRIC ENERGY (3600 KWH) 3.0 VERTICAL FENESTRATION U = 0.28 (MAX.) SKYLIGHTS U = 0.50 (MAX.) CEILINGS R-49 (MIN.) VAULTED CEILINGS R-38 (MIN.) ABOVE-GRADE EXT. WALLS R-21 INT. (MIN.) HEADERS R-10 (MIN.) FLOORS R-38 (MIN.) SLABS ON GRADE R-10 (MIN.) FLOORS R-38 (MIN.) BLOW-GRADE EXT. WALLS R-21 INT. (MIN.) HEADERS R-10 (MIN.) FLOORS R-38 (MIN.) SLABS ON GRADE R-10 (MIN.) FUCORS R-38 (MI	 SPRINKLER SYSTEM AN APPROVED 13R SPRINKLER SYSTEM WILL BE INSTALLED (DEFERRED SUBMITTAL). FIRE ALARM SYSTEM WILL BE INSTALLED (DEFERRED SUBMITTAL). FIRE ALARM SYSTEM SHALL COMPLY WITH MERCER ISLAND FIRE MARSHAL'S OFFICE 'HOUSEHOLD FIRE ALARM STANDARD.' CDE ALTERNATES PENDING APPROVAL FROM FIRE MARSHAL, TYPE 'X' DRYWALL AND SOLID CORE DOORS WILL BE USED IN EXIT PATHWAYS TO MITIGATE DEFICIENCIES IN EXISTING ACCESS ROAD. CARBON MONOXIDE PROTECTION RAIS. NOTE: WHEN MORE THAN ONE CARBON MONOXIDE ALARM SHALL BE INSTALLED IN DWELLING UNITS, PER SECTION R315. NOTE: WHEN MORE THAN ONE CARBON MONOXIDE ALARM SHALL BE INSTALLED TO BE INSTALLED, THE ALARM DEVICES SHALL BE INTERCONNECTED IN SUCH A MANNER THANT THE ACTIVATIEN OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE UNIT. 	SYSTEM DESIGN THIS SYSTEM IS DESIGN/BUILD. SYSTEM CRITERIA TO BE DETERMINED SYSTEM COMPONENTS TO BE DETERMINED SYSTEM FUNCTION INTAKE BLOWER, AIR TEMPERING UI AND EXHAUST FAN TO BE CONNECT TO TIMER FOR SYNCHRONIZED, INTERMITTENT USE THROUGHOUT EACH DAY. FRESH AIR FROM THE EXTERIOR IS PULLED THROUGH AIR TEMPERING UNIT, THEN DISTRIBUTE THROUGH DUCTING TO ALL HABITAE ROOMS. A BALANCED QUANTITY OF IS SIMULTANEOUSLY EVACUATED FROM THE INTERIOR VIA THE EXHAU FAN DUCTED TO THE EXTERIOR. WHOLE HOUSE VENTILATION PROVIDE WHOLE HOUSE VENTILATIOS SYSTEM DESIGNED IN ACCORDANCE WITH 2018 WASHINGTON STATE RESIDENTIAL CODE SECTIONS M1505.4.1 THROUGH M1505.4.4.



2 VICINITY MAP NOT TO SCALE

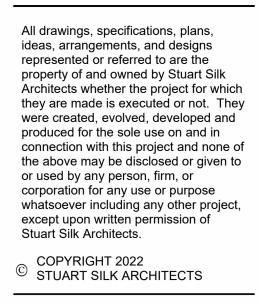






AVE	RAGE BUILD	ING ELEVA	ΓΙΟΝ
SEGMENT	WALL LENGTH	MIDPOINT ELEVATION	LENGTH x ELEV.
			0.7.10.1
A	29.6	320.8	9510.4
В	41.0	320.9	13156.9
С	17.2	320.9	5515.5
D	41.7	321.0	13395.1
E	3.0	321.6	964.8
F	50.6	321.6	16260.9
G	3.0	321.6	964.8
Н	16.7	321.7	5368.4
J	32.3	321.1	10375.5
К	21.4	320.4	6861.9
L	2.9	320.5	934.8
М	1.6	320.5	520.8
N	12.1	320.5	3872.7
Р	1.6	320.5	520.8
Q	3.1	320.5	981.5
R	1.6	320.5	520.8
S	13.7	320.5	4380.2
т	23.0	320.5	7378.2
U	2.3	320.5	721.1
V	8.0	320.5	2557.3
W	28.6	320.5	9174.3
X	22.9	320.7	7342.7
Y	16.9	321.0	5416.9
Z	45.0	321.0	14445.0
ZA	29.3	320.9	9406.4
ZB	50.2	321.0	16123.6
20	519.3	021.0	166671.2

SUM OF LENGTHS = 519.3 SUM OF LENGTHS X MIDPOINT ELEVS. = 166671.2 166671.2 / 519.3 = 320.95' = 320' - 11 1/2"

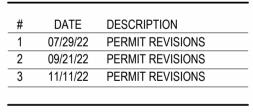


3257 REGISTERED ARCHITECT STUART NAYLOR SILK STATE OF WASHINGTON

DESIGN	SNS, ESH
DRAWN	ESH
CHECKED	ANC
SHEET ISSUE DATE	03/07/22
DRAWING SETS	
PRE-APPLICATION 09/23/21	

PERMIT 03/07/22

REVISIONS



Stuart Silk Architects

2400 N. 45th Street Seattle, WA 98103 WWW.STUARTSILK.COM

RESIDENCE

BRINDLEY

7810 - 79TH AVE. SE MERCER ISLAND, WA 98040

PERMIT NO. 2203-116

CONSTRUCTION SET PROJECT DATA



PLOT DATE: 11/21/2022 2:14:46 PM

LEGAL DESCRIPTION

LOT 5 OF HEADS ADDITION TO MERCER ISLAND, AS PER PLAT RECORDED IN VOLUME 69 OF PLATS, PAGE 65, RECORDS OF KING COUNTY, WASHINGTON.

SITUATE IN THE COUNTY OF KING, STATE OF WASHINGTON.

BASIS OF BEARINGS

N 43°09'00" W BETWEEN SURVEY MARKERS FOUND AND HELD AS SHOWN HERON, AS CALCULATED PER R1.

REFERENCES

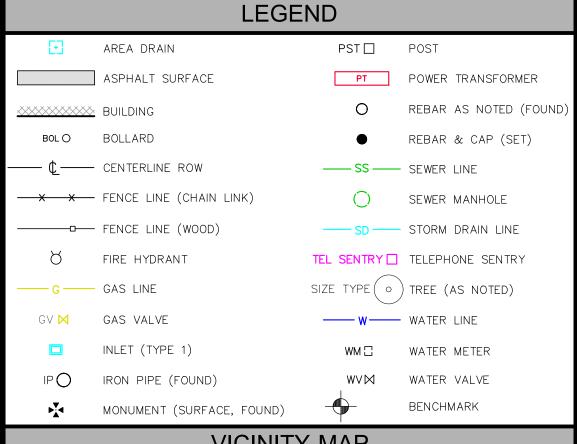
R1. HEAD'S ADDITION TO MERCER ISLAND, RECORDED IN VOL. 69 OF PLATS, PG. 65, RECORDS OF KING COUNTY, WASHINGTON.

VERTICAL DATUM

NAVD88 PER GPS OBSERVATIONS

SURVEYOR'S NOTES

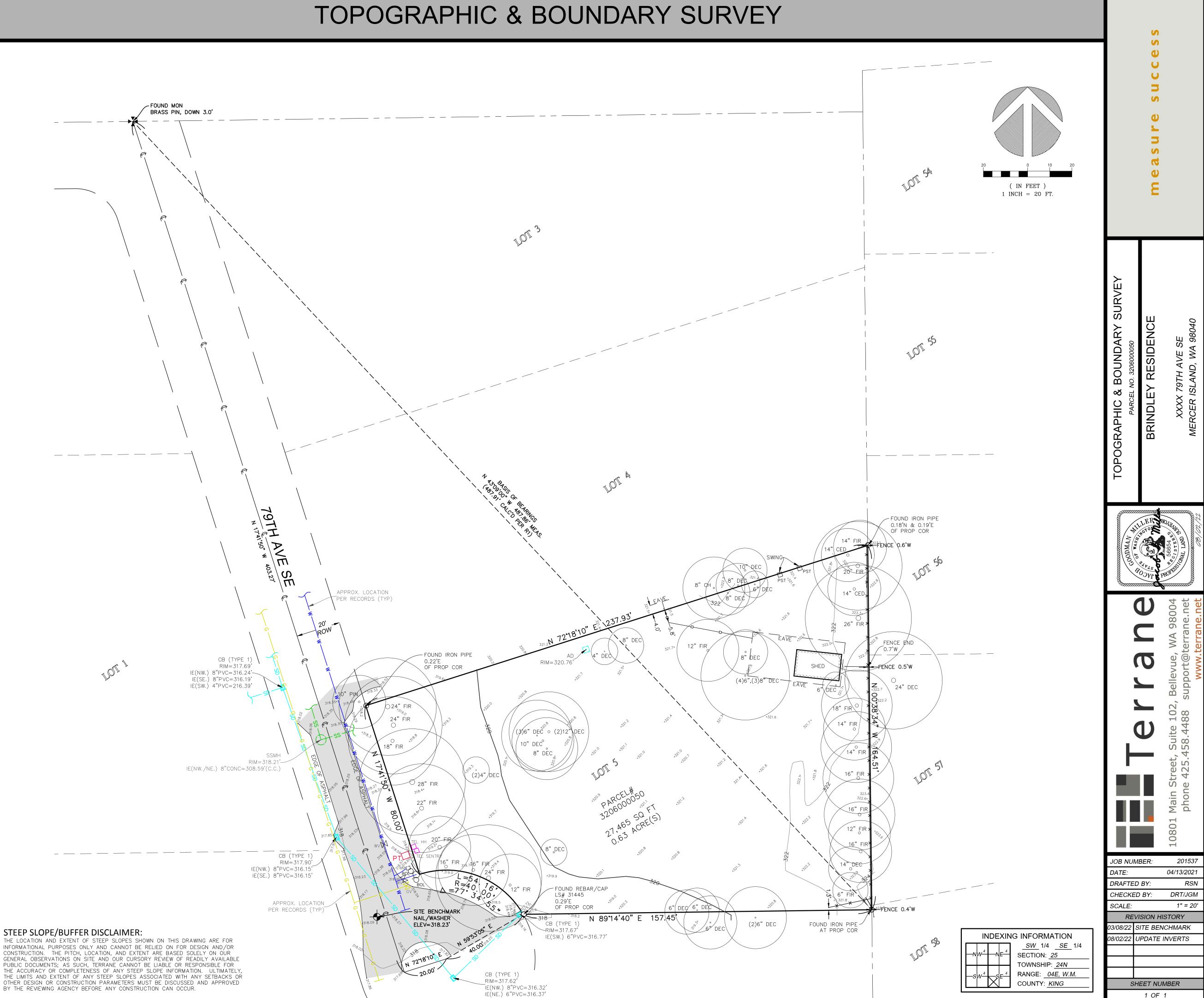
- 1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN APRIL OF 2021, AND JULY OF 2022. THE FIELD DATA WAS COLLECTED AND RECORDED ON MAGNETIC MEDIA THROUGH AN ELECTRONIC THEODOLITE. THE DATA FILE IS ARCHIVED ON DISC OR CD. WRITTEN FIELD NOTES MAY NOT EXIST. CONTOURS ARE SHOWN FOR CONVENIENCE ONLY. 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. 3206000050.
- 5. SUBJECT PROPERTY AREA PER THIS SURVEY IS 27.465± S.F. (0.63 ACRES)
- 6. THE PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN FIDELITY NATIONAL TITLE COMPANY OF WASHINGTON, INC., COMMITMENT NO. 611275561, WITH AN EFFECTIVE DATE OF JANUARY 25, 2021 AND THAT ALL EASEMENTS, COVENANTS, AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT OR APPARENT FROM A PHYSICAL INSPECTION OF THE PROPERTY OR OTHERWISE KNOWN TO ME HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS TO THEIR EFFECT ON THE PROPERTY.
- 7. 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.



VICINITY MAP N.T.S.

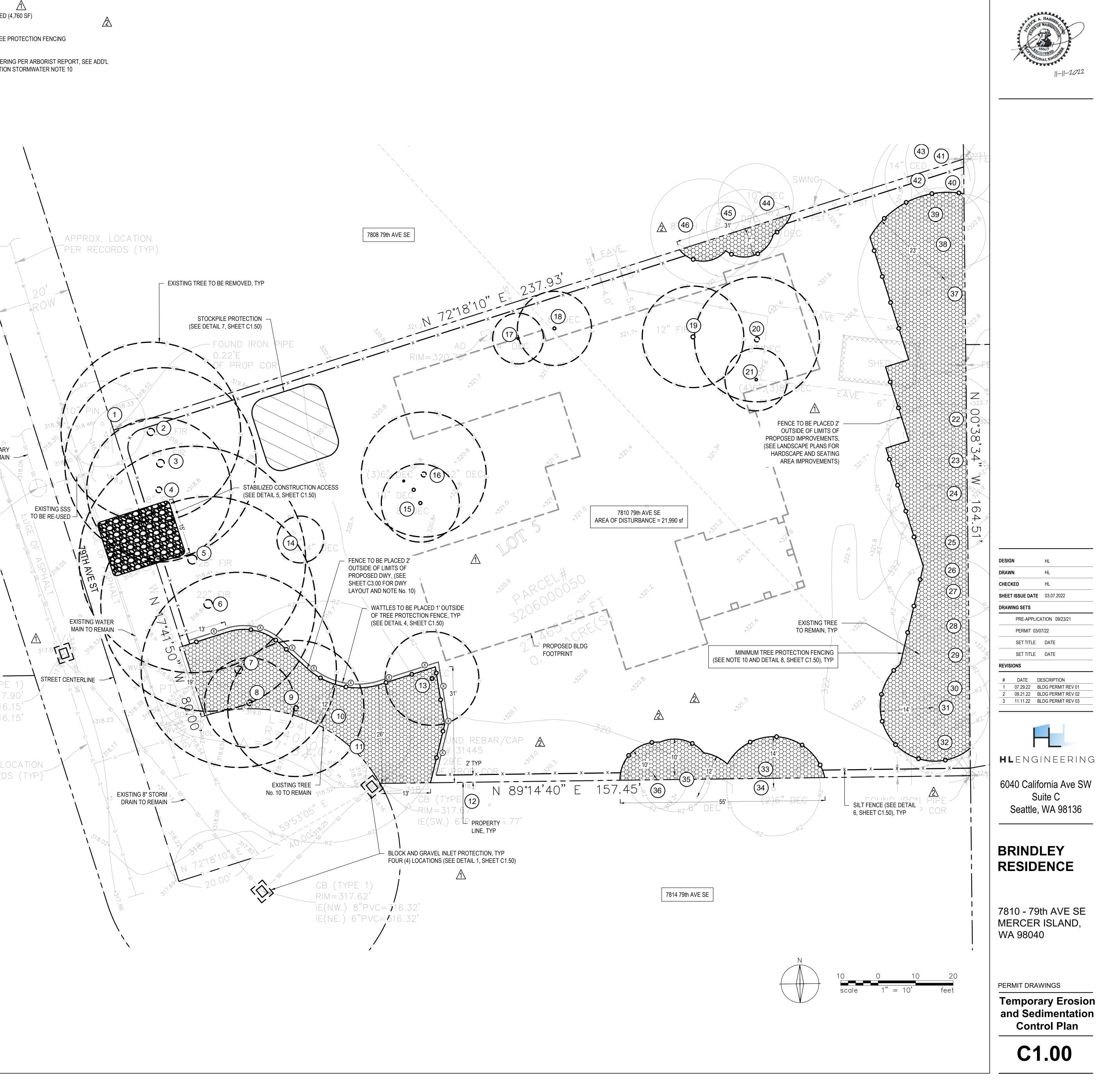


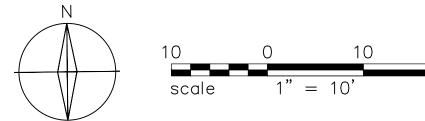
STEEP SLOPE/BUFFER DISCLAIMER: CONSTRUCTION. THE PITCH, LOCATION, AND EXTENT ARE BASED SOLELY ON OUR



	INDEXING INFORMATION
TOIL 20	$SW = 1/4 SE = 1/4$ $SECTION: 25$ $SW^{4} SE^{4} SE^{4}$ $RANGE: 04E, W.M.$ $COUNTY: KING$

<u>C01</u>	NSTRUCTION STORMWATER CONTROL GENERAL NOTES		LEGEND:	
1.	ANY CHANGES TO THE APPROVED PLANS REQUIRES CITY APPROVAL THROUGH A REVISION.			UNDISTURBED
2.	APPLICANT IS RESPONSIBLE FOR ANY DAMAGES TO UNDERGROUND UTILITIES CAUSED FROM THIS CONSTRUCTION.	_	OO	- MINIMAL TREE
3.	CATCH BASIN FILTERS SHOULD BE PROVIDED FOR ALL STORM DRAIN CATCH BASINS/INLETS DOWNSLOPE AND WITHIN 500 FEET OF THE CONSTRUCTION AREA. CATCH BASIN FILTERS SHOULD BE DESIGNED BY THE MANUFACTURER FOR USE AT CONSTRUCTION SITES AND APPROVED BY THE CITY INSPECTOR. CATCH BASIN FILTERS SHOULD BE INSPECTED FREQUENTLY, ESPECIALLY AFTER STORM EVENTS. IF THE FILTER BECOMES CLOGGED, IT SHOULD BE CLEANED OR REPLACED.		34	TREE NUMBER CONSTRUCTIO
4.	CONTRACTORS SHALL VERIFY LOCATIONS AND DEPTHS OF UTILITES.			
5. 6.	AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, CALL "ONE CALL" AT 1.800.424.5555 DO NOT BACKFILL WITH NATIVE MATERIAL ON PUBLIC RIGHT-OF-WAY. ALL MATERIAL MUST BE			
0.	IMPORTED	\	+ 1	
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:		50. Z	
8.	PROTECT ADJACENT PROPERTIES FROM ANY INCREASED RUNOFF OR SEDIMENTATION DUE TO THE CONSTRUCTION PROJECT THROUGH THE USE OF APPROPRIATE "BEST MANAGEMENT PRACTICES" (BMP) EXAMPLES INCLUDE, BUT ARE NOT LIMITED TO, SEDIMENT TRAPS, SEDIMENT PONDS, FILTER FABRIC FENCES, VEGETATIVE BUFFER STRIPS OR BIOENGINEERED SWALES.		403.27°	
9.	CONSTRUCTION ACCESS TO THE SITE SHOULD BE LIMITED TO ONE ROUTE. STABILIZE ENTRANCE WITH QUARRY SPALLS TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING THE STORM DRAINS.			
10.	PREVENT SEDIMENT, CONSTRUCTION DEBRIS, PAINTS, SOLVENTS, ETC., OR OTHER TYPES OF POLLUTION FROM ENTERING PUBLIC STORM DRAINS. KEEP ALL POLLUTION ON YOUR SITE.			
11.	ALL EXPOSED SOILS SHALL REMAIN DENUDED FOR NO LONGER THAN SEVEN (7) DAYS AND SHALL BE STABILIZED WITH MULCH, HAY, OR THE APPROPRIATE GROUND COVER. ALL EXPOSED SOILS SHALL BE COVERED IMMEDIATELY DURING ANY RAIN EVENT.			
12.	INSTALLATION OF CONCRETE DRIVEWAYS, TREES, SHRUBS, IRRIGATION, BOULDERS, BERMS, WALLS, GATES, AND OTHER IMPROVEMENTS ARE NOT ALLOWED IN THE PUBLIC RIGHT-OF-WAY WITHOUT PRIOR APPROVAL, AND AN ENCROACHMENT AGREEMENT AND RIGHT OF WAY PERMIT FROM THE SENIOR DEVELOPMENT ENGINEER.			
13.	OWNER SHALL CONTROL DISCHARGE OF SURFACE DRAINAGE RUNOFF FROM EXISTING AND NEW IMPERVIOUS AREAS IN A RESPONSIBLE MANNER. CONSTRUCTION OF NEW GUTTERS AND DOWNSPOUTS, DRY WELLS, LEVEL SPREADERS OR DOWNSTREAM CONVEYANCE PIPE MAY BE NECESSARY TO MINIMIZE DRAINAGE IMPACT TO YOUR NEIGHBORS. CONSTRUCTION OF MINIMUM DRAINAGE IMPROVEMENTS SHOWN OR CALLED OUT ON THIS PLAN DOES NOT IMPLY RELIEF FROM CIVIL LIABILITY FOR YOUR DOWNSTREAM DRAINAGE.	CB (TYPE RIM=317 3"PVC=316 3"PVC=316 -"PVC=216	.69' .24' .19'	
14.	POT HOLING THE PUBLIC UTILITIES IS REQUIRED PRIOR TO ANY GRADING ACTIVITIES LESS THAN 6" OVER THE PUBLIC MAINS (WATER, SEWER AND STORM SYSTEMS). IF THERE IS A CONFLICT, THE APPLICANT IS REQUIRED TO SUBMIT A REVISION FOR APPROVAL PRIOR TO ANY GRADING ACTIVITIES OVER THE PUBLIC MAINS.	1 0 2 10	SD SD SD	SS C
15.	REMEMBER: EROSION CONTROL IS YOUR FIRST INSPECTION.			یں STING 8" SANITAR` SEWER TO REMAII
16.	ROOF DRAINS MUST BE CONNECTED TO THE STORM DRAIN SYSTEM AND INSPECTED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY BACKFILLING OF PIPE.			
17.	SILT FENCE: CLEAN AND PROVIDE REGULAR MAINTENANCE OF THE SILT FENCE. THE FENCE IS TO REMAIN VERTICAL AND IS TO FUNCTION PROPERLY THROUGHOUT THE TERM OF THE PROJECT.			
18.	WORK IN PUBLIC RIGHT OF WAY REQUIRES A RIGHT-OF-WAY USE PERMIT.		SSN	
19.	REFER TO WATER SERVICE PERMIT FOR ACTUAL LOCATION OF NEW WATER METER AND SERVICE LINE DETERMINED BY MERCER ISLAND WATER DEPARTMENT.) 8"CONC=	RIM=318.2 =308.59'(C.C	
20.	THE TV INSPECTION OF THE EXISTING SIDE SEWER TO THE CITY SEWER MAIN IS REQUIRED. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED.	A		
21.	NEWLY INSTALLED SIDE SEWER REQUIRES A 4 P.S.I. AIR TEST OR PROVIDE 10' OF HYDROSTATIC HEAD TEST.			
22.	POT HOLING THE PUBLIC UTILITIES IS REQUIRED PRIOR TO ANY GRADING ACTIVITIES LESS THAN 6" OVER THE PUBLIC MAINS (WATER, SEWER AND STORM SYSTEMS). IF THERE IS A CONFLICT, THE APPLICANT IS REQUIRED TO SUBMIT A REVISION FOR APPROVAL PRIOR TO ANY GRADING ACTIVITIES OVER THE PUBLIC MAINS.			
23.	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.			
ADE	DITIONAL CONSTRUCTION STORMWATER NOTES			
1.	APPROVAL OF THIS EROSION/SEDIMENTATION CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES).		ie(nw.) e	CB (TYPE RIM=317 °PVC=316
2.	THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.			8"PVC=316
3.	THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.			PPROX. L(R RECORD
4.	THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.			
5.	THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.			
6.	THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.			
7.	THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.			
8.	AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.			
9.	STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.			
10. 10. 10.	MERCER ISLAND, WA, PARCEL No. 3206000050" DATED MAY 26, 2022, 1. ADDENDUM TO "PRE-CONSTRUCTION ASSESSMENT FOR LOT DEVELOPMENT AT XXXX			
{10.	79th AVENUE SE, MERCER ISLAND, WA, PARCEL No. 3206000050" DATED JULY 7, 2022, 2. "TREE PROTECTION ADDENDUM TO MAY 26, 2021 ARBORIST REPORT FOR BRINDLEY PN 3206000050", DATED NOVEMBER 2, 2022.	<u></u>		

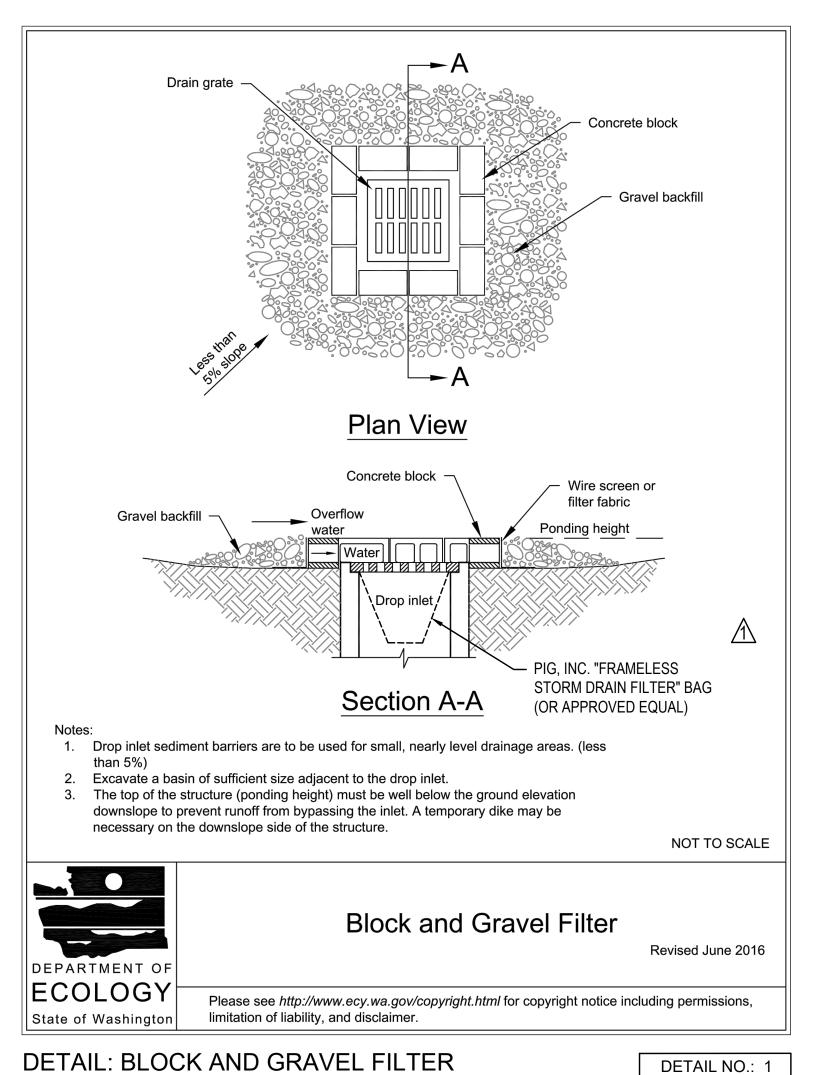




HLENGINEERING

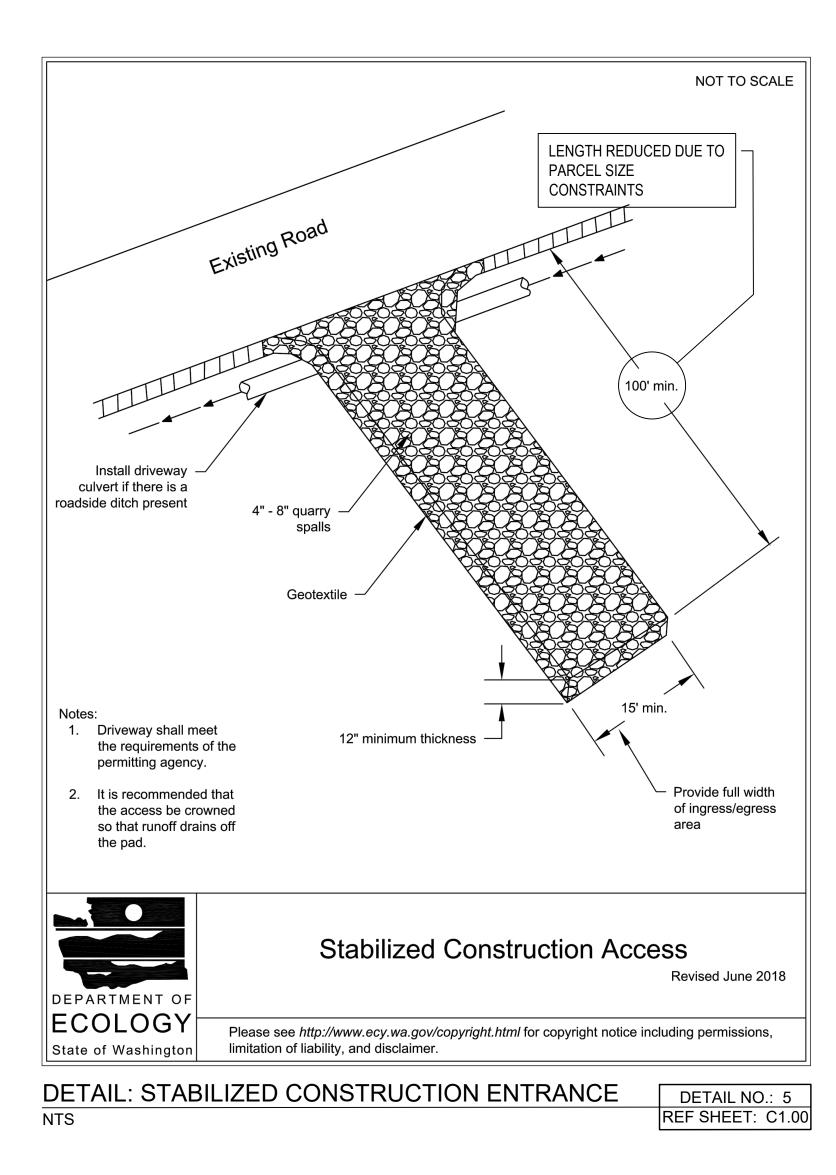
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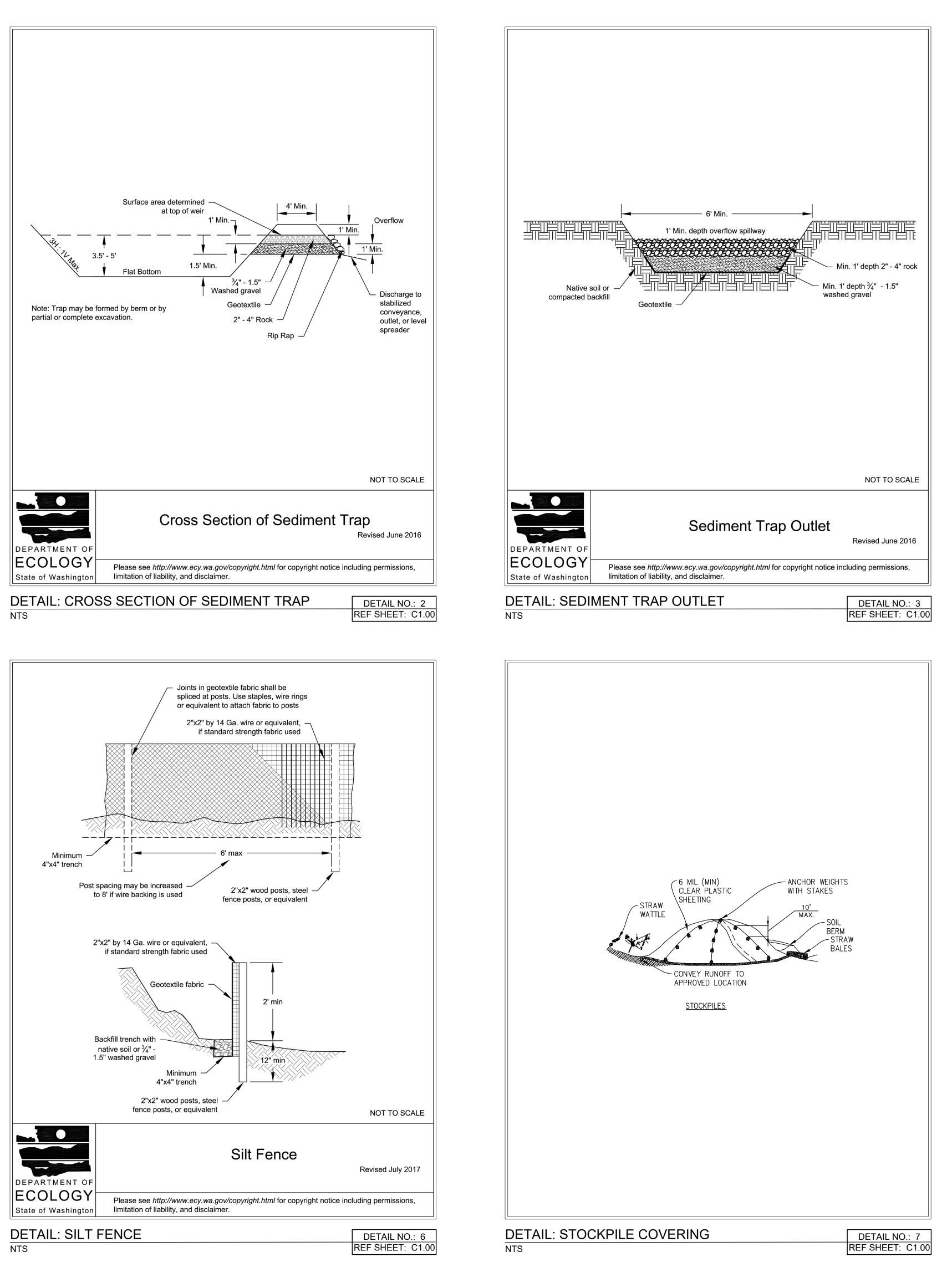
	SET IIIL	E DATE
	SET TITL	E DATE
REVIS	SIONS	
#	DATE	DESCRIPTION
1	07.29.22	BLDG PERMIT REV 01
2	09.21.22	BLDG PERMIT REV 02
3	11.11.22	BLDG PERMIT REV 03

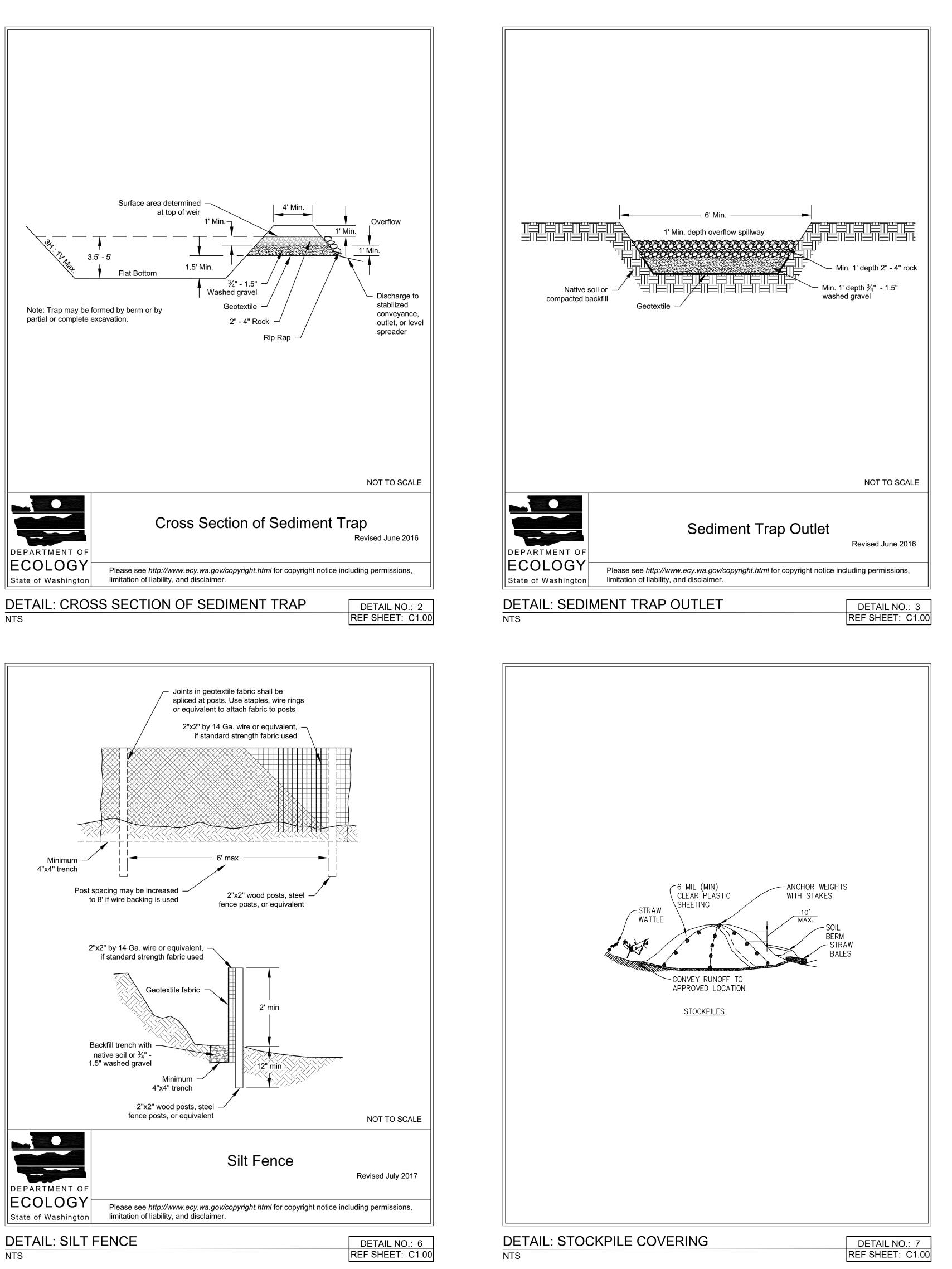


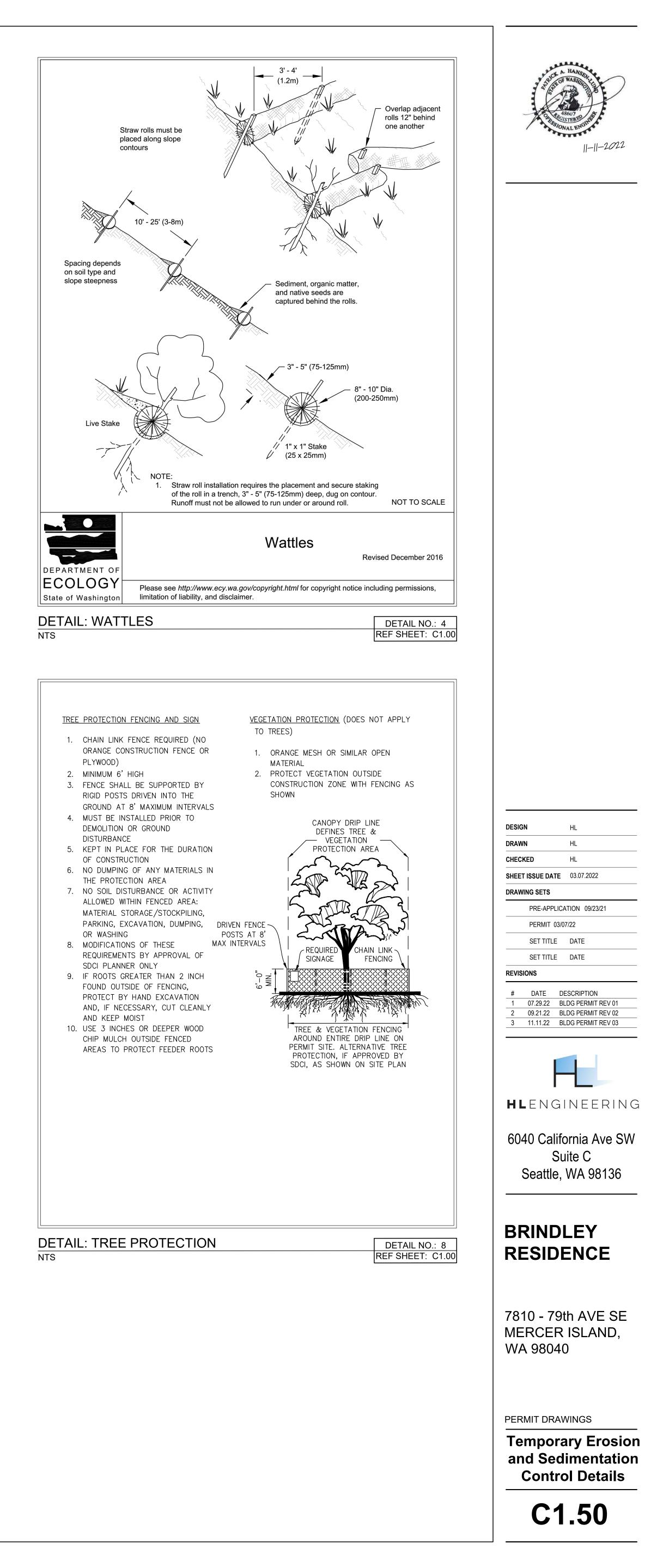
REF SHEET: C1.00

DETAIL: BLOCK AND GRAVEL FILTER NTS









CITY OF MERCER ISLAND

COMMUNITY PLANNING & DEVELOPMENT 9611 SE 36TH STREET | MERCER ISLAND, WA 98040 PHONE: 206.275.7605 | www.mercergov.org



LEGEND:

LAYOUTS AND DETAILS.

INFORMATION		
EXCEPTIONAL TREES		
<u>Exceptional Trees</u> - means a tree or group of trees that because of its unique historical, ecolor value constitutes an important community resource. A tree that is rare or exceptional by species, condition, cultural/historical importance, age, and/or contribution as part of a tree a diameter of more than 36 inches, or with a diameter that is equal to or greater than the the Exceptional Tree Table shown in MICC 19.16 under Tree, Exceptional.	virtue of it grove. Tree	s size, s with
List the total number of trees for each category and the tree identification numbers from th	ie arborist r	eport.
Number of trees 36" or greater List tree numbers:	0	
Number of trees 24" or greater (including 36" or greater) List tree numbers: 3,5-7,10,16* [*multi form stump sprouts, refer to report] 37, 3 and 5-7 do not fully count as large trees due to their compromised state Number of trees from Exceptional Tree Table (MICC 19.16)	7	
List tree numbers:		
LARGE REGULATED TREES		
<u>Large Regulated Trees</u> - means any tree with a diameter of 10 inches or more, and any tre definition of an Exceptional Tree.	e that mee?	ets the
Number of Large Regulated Trees on site List tree numbers:2-11,15,16,19-26,28-31,34, 38-41&43** [** not in original report	30 , see adde	(A) ndum]
Number of Large Regulated Trees on site proposed for removalList tree numbers:2-9(see note below), 15, 16, 19- 21,	13	(B)
Percentage of trees to be retained ((A-B)/Ax100) note: must be at least 30%	57	%
RIGHT OF WAY TREES		
<u>Right of Way Trees</u> - means a tree that is located in the street right of way adjacent to the	project prop	perty.
Number of Large Regulated Trees in right of way List tree numbers:	0	
Number of Large Regulated Trees in right of way proposed for removal	0	
\\chfs1\share\CPD\FORMS\1Current Forms\Engineering Forms\TreeInventoryReplacementSubmittalInfo	rmation.docx	1/2019

TREE INVENTORY & REPLACEMENT SUBMITTAL

Trees #2-9 are compromised in structure and will never achieve full biological stature. They should only count as 1:1 replacement trees and will be shown in the first row in the table below.

List tree numbers: Reason for removal:

TREE REPLACEMENT

Tree replacement- removed trees must be replaced based on the ratio in the table below. Replacement trees shall be conifers at least six feet tall and or deciduous at least one and one-half inches in diameter at base.

			Number of Tree
	Tree	Number of	Required for
Diameter of Removed Tree (measured 4.5'	replacement	Trees Proposed	Replacement Based
above ground)	Ratio	for Removal	on Size/Type
Less than 10" 2-9,13,14,17,18	1	12	12
10" up to 24" 15,16,19-21	2	5	10
Greater than 24" up to 36"	3	0	
Greater than 36" and any Exceptional Tree	6	0	
	TOTAL TREE	E REPLACEMENTS	(22) see note below

Arborist note - 22 trees will not fit on this site with any hope of long term proper growth structure and health. There is space for 8 trees at most based on the placement of the ones to be retained. Trying to cram more than this on the site will result in premature failures.

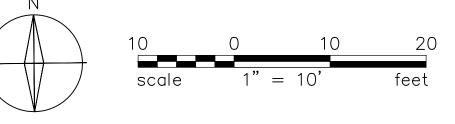
TREE RETENTION TABLE

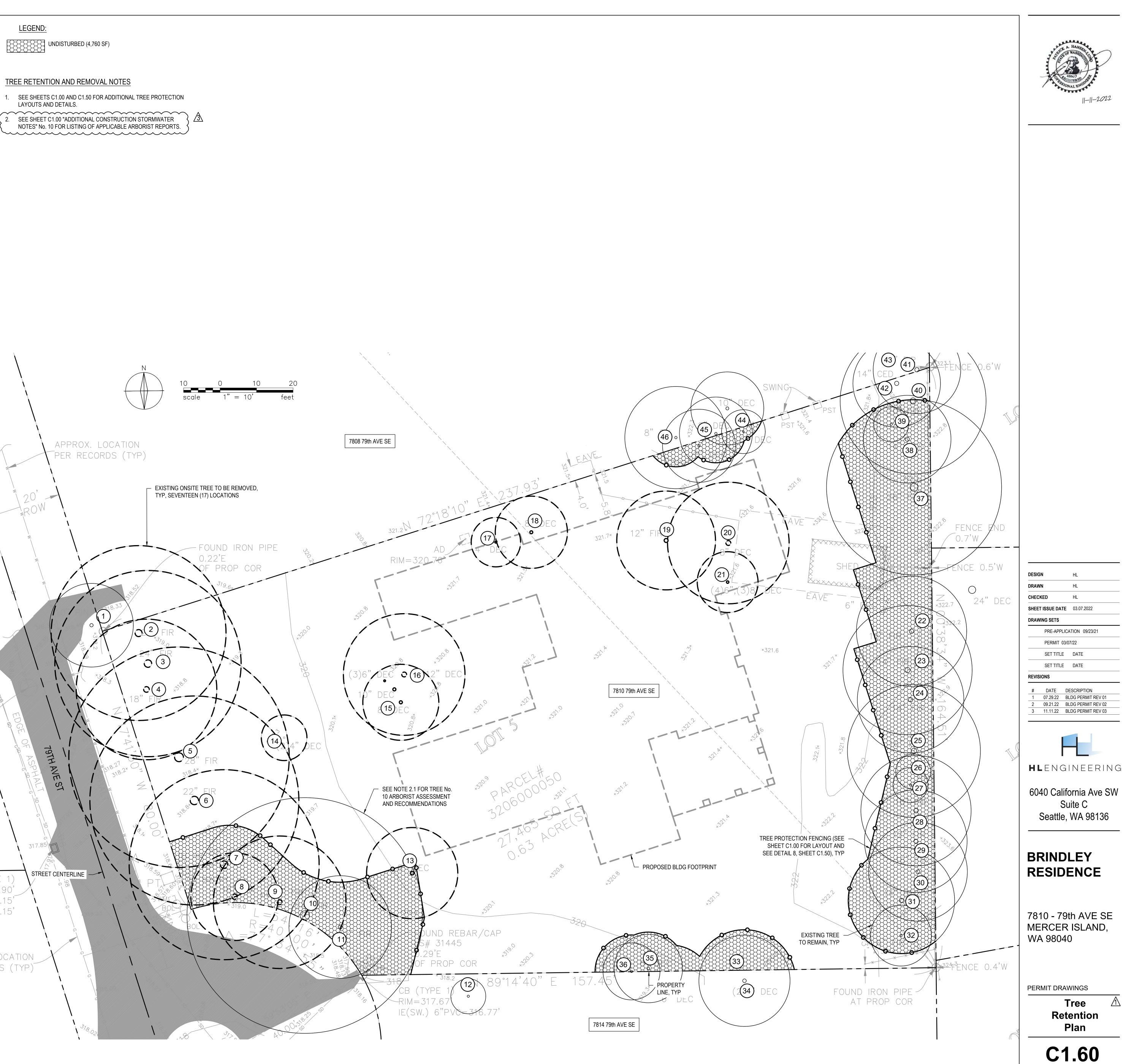
1	NO.	SPECIES	COMMENTS
_	1	SCOTS PINE	NOT ON SUBJECT PROPERTY
	2	DOUGLAS FIR	TO BE REMOVED
	3	DOUGLAS FIR	TO BE REMOVED
	4	DOUGLAS FIR	TO BE REMOVED
	5	DOUGLAS FIR	TO BE REMOVED
	6	DOUGLAS FIR	TO BE REMOVED
	7	DOUGLAS FIR	TO BE REMOVED
	8	DOUGLAS FIR	TO BE REMOVED
	9	DOUGLAS FIR	TO BE REMOVED
	10	DOUGLAS FIR	
	11	DOUGLAS FIR	
	12	PORTUGUESE LAUREL	APPROX. LOCATION
	13	FRUITING PLUM	TO BE REMOVED
	14	FRUITING PLUM	TO BE REMOVED
	15	BLACK WALNUT	TO BE REMOVED
	16	BIG LEAF MAPLE	TO BE REMOVED
	17	APPLE	TO BE REMOVED
	18	APPLE	TO BE REMOVED
	19	DOUGLAS FIR	TO BE REMOVED
	20	FIG	TO BE REMOVED
	21	SITKA WILLOW	TO BE REMOVED
		DOUGLAS FIR	
	23	INCENSE CEDAR	
	24	DOUGLAS FIR	
		DOUGLAS FIR	APPROX. LOCATION
		DOUGLAS FIR	APPROX. LOCATION
		ENGLEMANN SPRUCE	APPROX. LOCATION
		DOUGLAS FIR	
		DOUGLAS FIR	
		DOUGLAS FIR	
		PIN OAK	
		DOUGLAS FIR	
		RHODODENDRON	APPROX. LOCATION
		CHERRY	NOT ON SUBJECT PROPERTY
		CHERRY	
		CHERRY	ON PROPERTY LINE
		DOUGLAS FIR LEYLAND CYPRESS	
		LEYLAND CYPRESS DOUGLAS FIR	APPROX. LOCATION
		DOUGLAS FIR	
		HINOKI CYPRESS	ON PROPERTY LINE
		DOUGLAS FIR	APPROX. LOCATION; NOT ON SUBJECT PROPERTY
		PHOTINIA	MIDDLE TREE NOT ON SUBJECT PROPERTY
		CHERRY	NOT ON SUBJECT PROPERTY
	43		

46 JAPANESE MAPLE APPROX. LOCATION; NOT ON SUBJECT PROPERTY

APPROX. LOCATION PER RECORDS (TYP) SSMH =318.21'— 59'(C.C.) 79TH ANE S, STREET CENTERLINE CB (TYPE 1) RIM=317.90' NW.) 8"PVC=316.15 (SE.) 8"PVC=316.15" APPROX. LOCATION PER RECORDS (TYP)

2. SEE SHEET C1.00 "ADDITIONAL CONSTRUCTION STORMWATER NOTES" No. 10 FOR LISTING OF APPLICABLE ARBORIST REPORTS.





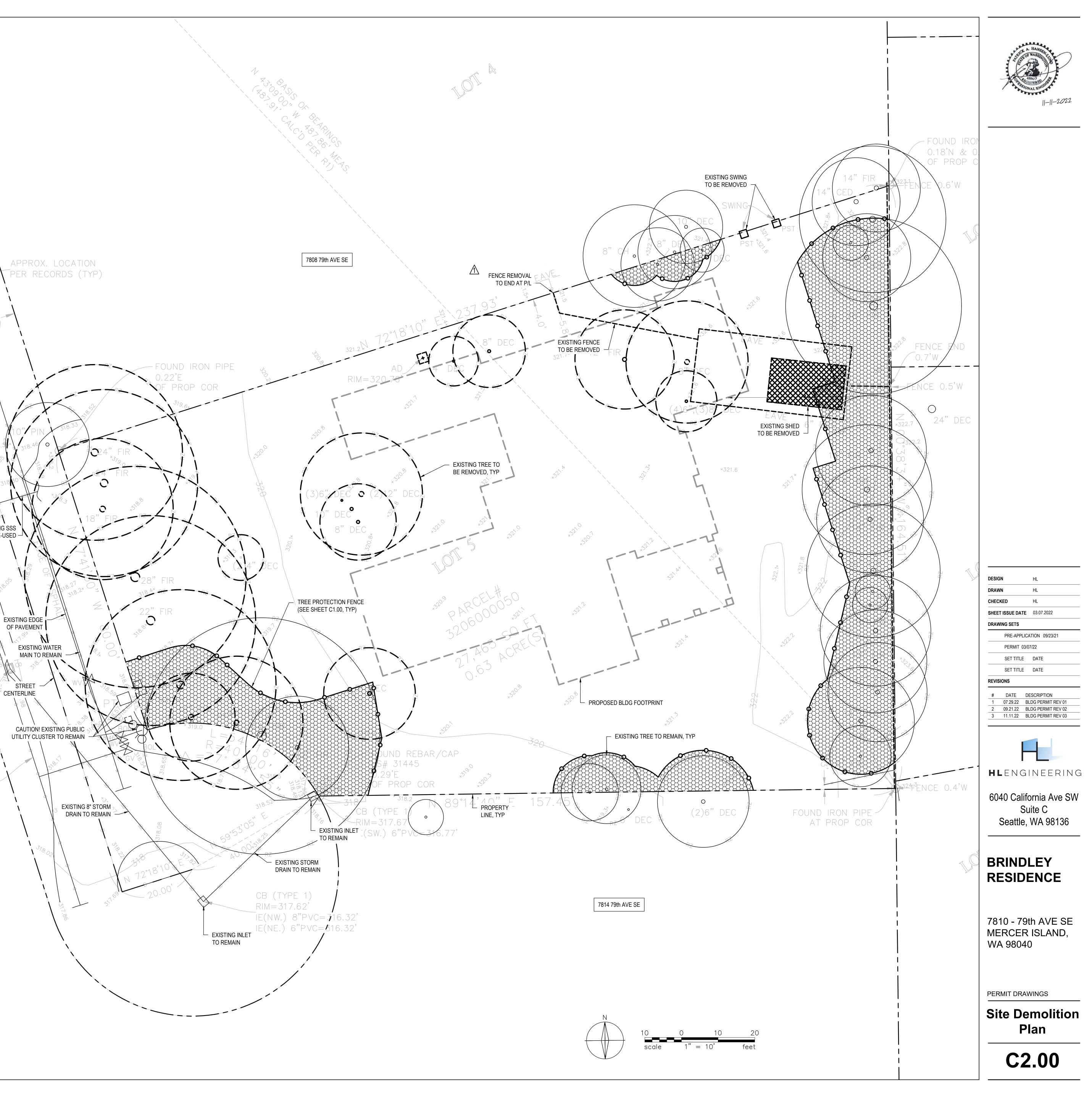


- 1. SITE DEMOLITION SHALL BE IN ACCORDANCE WITH THE APPLICABLE CONDITIONS OF THE CITY OF MERCER ISLAND.
- 2. THE CONTRACTOR SHALL COORDINATE ALL SITE DEMOLITION WITH THE PROJECT'S SHORING AND SITE EXCAVATION SEQUENCE OF WORK.
- 3. ONSITE DEMOLITION SHALL INCLUDE EXISTING BUILDINGS AND THEIR FOUNDATIONS (WHERE APPLICABLE), MISCELLANEOUS ASPHALT AND CONCRETE PAVEMENT AND UNDER GROUND UTILITIES, EXCEPT THOSE INDICATED TO REMAIN.
- 4. NO DEMOLITION WITHIN THE PUBLIC RIGHT-OF-WAY SHALL COMMENCE UNTIL A CITY OF MERCER ISLAND RIGHT OF WAY PERMIT HAS BEEN APPROVED.
- 5. THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN ALL TEMPORARY BARRIERS AND SECURITY DEVICES AS NECESSARY FOR THE PROTECTION OF THE ADJACENT PUBLIC IMPROVEMENTS WITHIN THE STREET RIGHT-OF-WAY.
- 6. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED CITY OF MERCER ISLAND DEMOLITION AND RIGHT OF WAY PERMITS BEFORE COMMENCING DEMOLITION.
- 7. DEMOLITION OUTSIDE THE LIMITS OF WORK IS ALLOWED UNLESS NOTED OTHERWISE ON THE PLAN.
- 8. THE CONTRACTOR SHALL COORDINATE THE REMOVAL, ABANDONMENT, AND/OR CAPPING OF THE EXISTING UTILITIES WITH THE APPLICABLE UTILITY AGENCY.
- 9. CONTRACTOR SHALL VERIFY THAT ALL TELEPHONE AND COMMUNICATIONS WIRES AND CONDUCTORS HAVE BEEN DECOMMISSIONED PRIOR TO REMOVAL OF COMMUNICATIONS AND TELEPHONE DUCTBANK CONDUIT AND VAULTS.
- 10. DEMOLITION ASSOCIATED WITH ELECTRICAL LINES AND APPURTENANCES SHALL BE COORDINATED WITH THE ELECTRICAL DRAWINGS. DEMOLITION FOR SPECIFIC ELECTRICAL ITEMS INDICATED ON THE DEMOLITION PLANS SHALL NOT BE CARRIED OUT UNTIL POWER SOURCES TO THE ITEMS INDICATED FOR REMOVAL HAVE BEEN MADE SAFE.
- 11. CLEAR AND GRUB ALL LANDSCAPED AND NON-PAVED E(SE.) 8"PVC=316.19" AREAS WITHIN THE LIMITS OF WORK UNLESS NOTED E(SW.) 4"PVC=216.39" OTHERWISE.
- 12. EXCAVATION FOR REMOVAL OF FOUNDATIONS, SLABS ON GRADE AND UTILITIES SHALL BE IN ACCORDANCE WITH THE PROJECT'S GEOTECHNICAL ENGINEERING REPORT. THE CONTRACTOR SHALL COMPLY WITH THE REPORT RECOMMENDATIONS FOR TEMPORARY CONSTRUCTION SLOPES AND SHALL NOT EXCEED THOSE SLOPES WITHOUT PRIOR APPROVAL OF THE GEOTECHNICAL ENGINEER.
- 13. CAP OR PLUG UTILITY SERVICES AT THE LIMITS OF EXCAVATION OR AT THE LIMITS OF DEMOLITION, UNLESS NOTED OTHERWISE.
- 14. LIMITS OF TREE REMOVAL SHALL INCLUDE REMOVAL OF ALL STUMPS AND GRUBBING OF ALL ROOTS TO A MINIMUM OF 3 FEET BELOW FINISH GRADE.
- 15. SEE LANDSCAPE PLANS FOR REQUIREMENTS AND RESTRICTIONS AT TREE PROTECTION AREAS.
- 16. EXISTING UNDERGROUND HEATING OIL TANKS SHALL BE DECOMMISSIONED AND REMOVED FROM THE SITE IN ACCORDANCE WITH THE CITY OF MERCER ISLAND FIRE DEPARTMENT. SUCH WORK SHALL ONLY BE CONDUCTED BY A CERTIFIED UNDERGROUND STORAGE TANK DECOMMISSIONER, AND SUCH WORK REQUIRES A FIRE DEPARTMENT PERMIT.

CB (TYPE 1) RIM=317.69 E(NW.) 8"PVC=316.24 E(SE.) 8"PVC=316.19 E(SW.) 4"PVC=216.39 EXISTING 8"SANTARY SEWER TO REMAIN RIM=318.21 NW./NE.) 8"CONC=308.59'(C.C.) SMH RIM=318.21 NW./NE.) 8"CONC=308.59'(C.C.)

> CB (TYPE 1) RIM=317.90' IE(NW.) 8"PVC=316.15' IE(SE.) 8"PVC=316.15'

> > APPROX. LOCATION PER RECORDS (TYP)





- 1. ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS NOTED OTHERWISE.
- 2. ALL EXTERIOR CONCRETE PAVEMENT JOINTS SHALL BE CONTROL JOINTS WITH A MAXIMUM SPACING OF 12 FEET ON CENTER. PAVEMENT PANEL LENGTH TO WIDTH RATIO SHALL NOT EXCEED 1.25. AT THE CONTRACTOR'S OPTION, THE CONTRACTOR MAY SUBSTITUTE CONSTRUCTION JOINTS FOR CONTROL JOINTS. ALL JOINTS SHALL BE COORDINATED WITH THE LANDSCAPE PLANS.
- CONCRETE FOR EXTERIOR SITE FACILITIES, INCLUDING BUT NOT LIMITED TO CURBS, SIDEWALKS, PADS, THRUST BLOCKING, FENCE POST AND BOLLARD FOUNDATIONS, RAMPS, AND UTILITY STRUCTURES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45 AND CONCRETE SHALL HAVE 5 PLUS OR MINUS 1.5 PERCENT AIR ENTRAINMENT. CONCRETE FOR RETAINING WALLS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS, MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45 AND CONCRETE SHALL HAVE 5 PLUS OR MINUS 1.5 PERCENT AIR ENTRAINMENT. CONCRETE PAVEMENT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS, MAXIMUM WATER/CEMENT RATIO SHALL BE 0.45 AND CONCRETE SHALL HAVE A 5 PLUS OR MINUS 1.5 PERCENT AIR ENTRAINMENT.
- 4. PROVIDE AN EXPANSION JOINT AT ALL LOCATIONS WHERE CONCRETE WALK AND CONCRETE PAVEMENT ABUTS STRUCTURAL FOUNDATION, COLUMN OR WALL AND FIXED OBJECTS.
- 5. SEE LANDSCAPE PLANS FOR ADDITIONAL PAVEMENT INFORMATION AND DETAILS.

SITE GRADING NOTES

- 1. ALL SPOT ELEVATIONS ARE TO TOP OF PAVEMENT, GUTTER ELEVATION OR FINISHED GRADE UNLESS NOTED OTHERWISE.
- 2. TOP ELEVATION FOR ALL CATCH BASINS WITH SOLID COVER SHALL MATCH FINISH GRADE.
- 3. TOP ELEVATION FOR ALL VAULTS SHALL MATCH FINISH GRADE. SLOPE VAULT LIDS AS REQUIRED.
- 4. SLOPES PROVIDED ARE FOR REFERENCE ONLY. MATCH SPOT ELEVATIONS AND CONTOURS.

LEGEND		SSMH
	HMA PAVEMENT (2" CLASS $\frac{1}{2}$ HMA OVER 6" CRUSHED SURFACING TOP COURSE) $1C = 308.59$	318.21' '(C.C.)
	PCC PAVEMENT	
	CRUSHED GRANITE WALKWAYS	
	MORTAR-SET STONE PAVEMENT	
	LANDSCAPING (AMENDED SOILS, SEE "POST-CONSTRUCTION SOIL QUALITY AND DEPTH NOTES, THIS SHEET)	
34	TREE NUMBERING PER ARBORIST REPORT (SEE SHEET C1.00)	CB (TYPE 1)
Lui	A	RIM=317.90'
		8"PVC=316.15 8"PVC=316.15'
		8"PVC=316.15

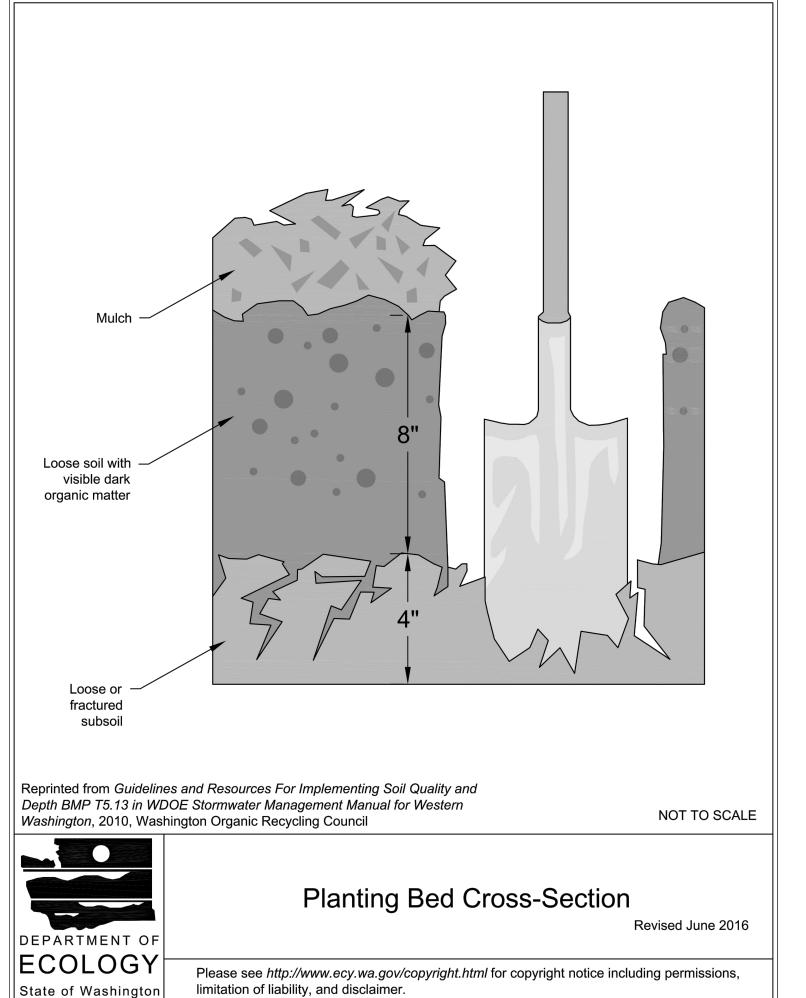
CB (TYPE 1)

RIM=317.69'

√W.) 8"PVC=316.24'-

SE.) 8"PVC=316.19'

SW.) 4"PVC=216.39'



APPROX. LOCATION ER RECORDS (TYP)

H161

EXISTING 8"

REMAIN

SANITARY SEWER TO

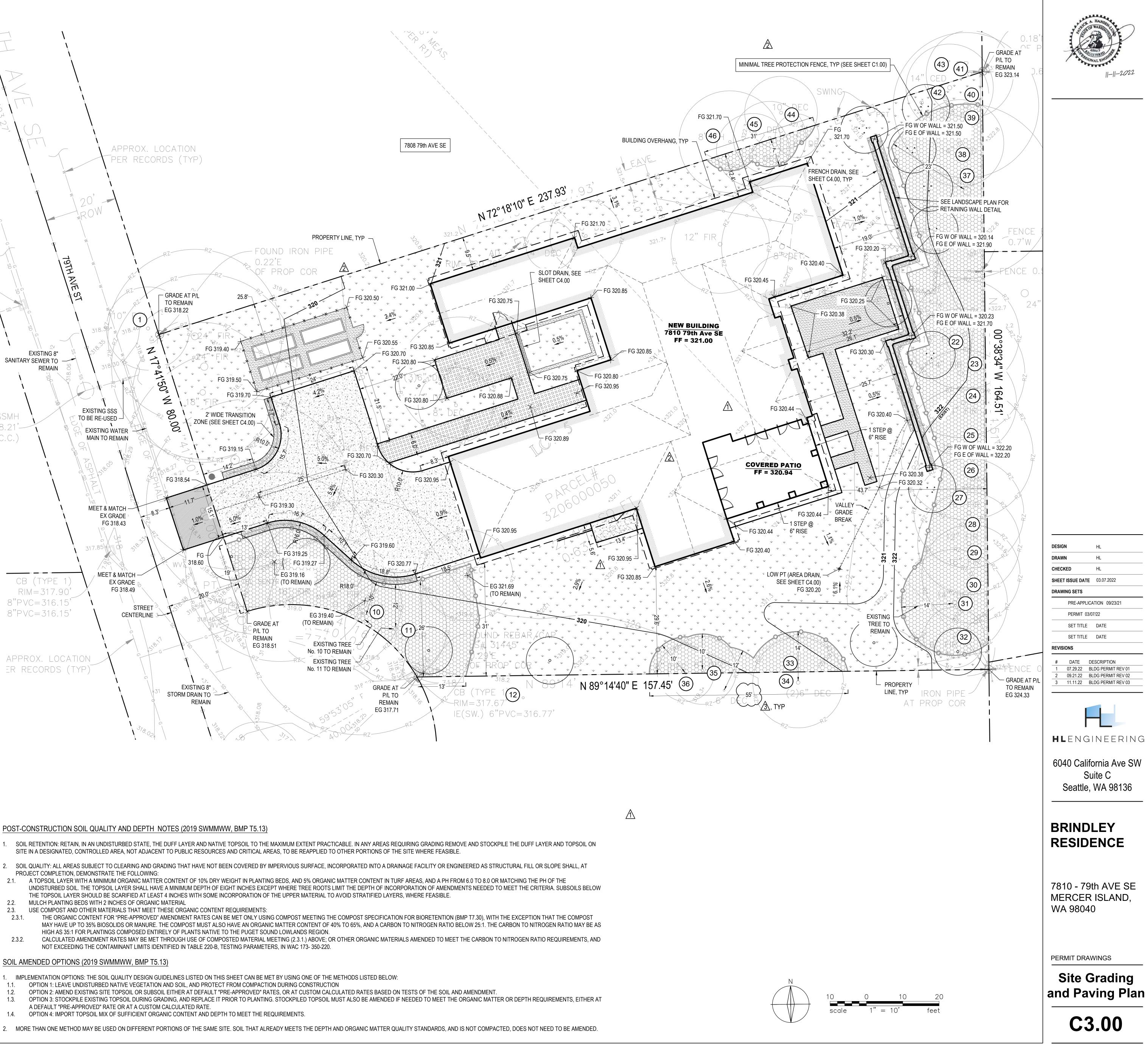
NE N

p M

	QUALITY: ALL AREAS SUB JECT COMPLETION, DEMO A TOPSOIL LAYER WITH A
	UNDISTURBED SOIL. THE THE TOPSOIL LAYER SHO
2.2.	MULCH PLANTING BEDS V
2.3.	USE COMPOST AND OTHE
2.3.1.	THE ORGANIC CONT
	MAY HAVE UP TO 35
	HIGH AS 35:1 FOR PL
2.3.2.	CALCULATED AMENI
	NOT EXCEEDING TH
SOIL AN	IENDED OPTIONS (207

1.2.

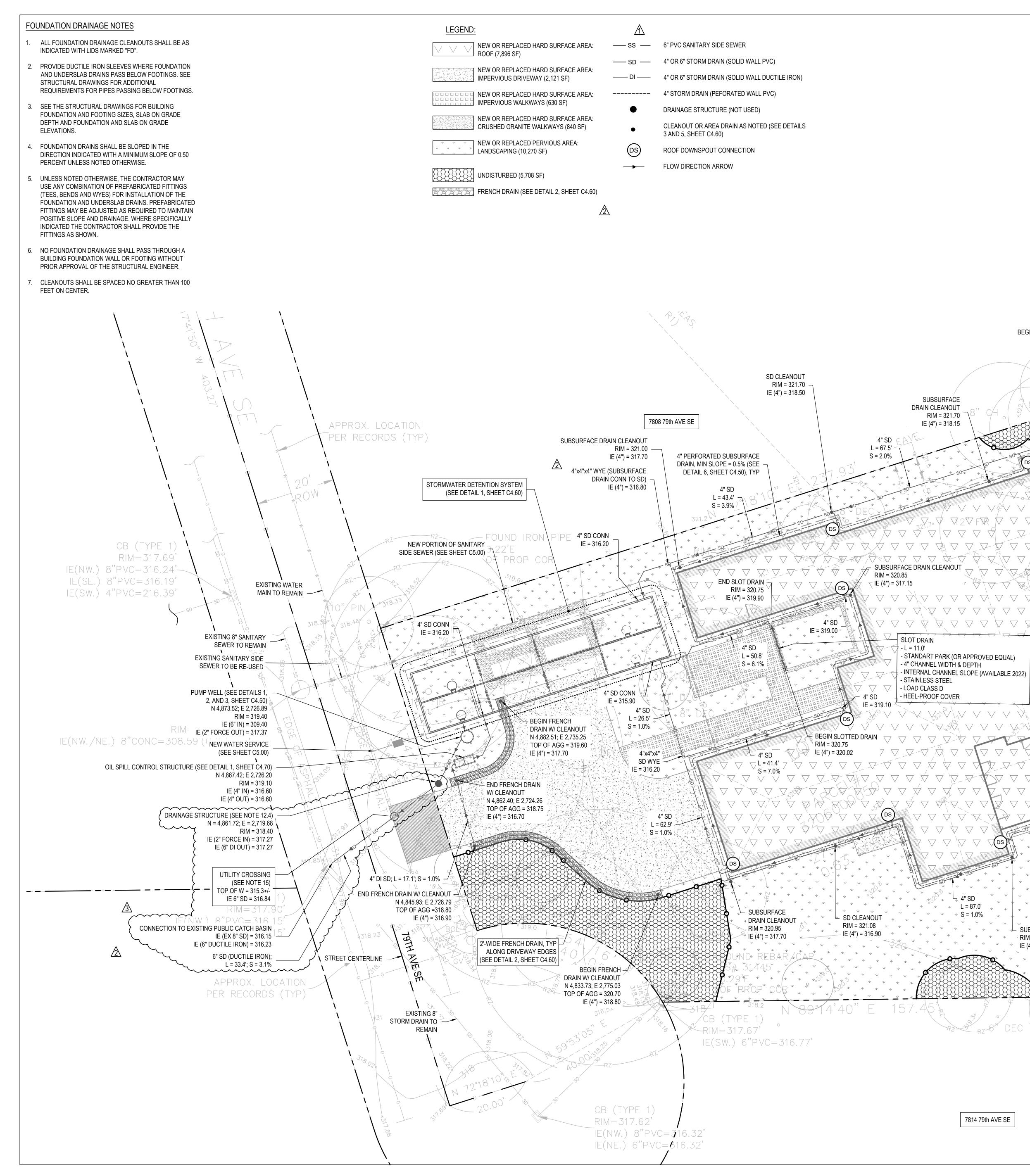
2. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.



A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW TENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BIORETENTION (BMP 17.30), WITH THE EXCEPTION THAT THE COMPOST LANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

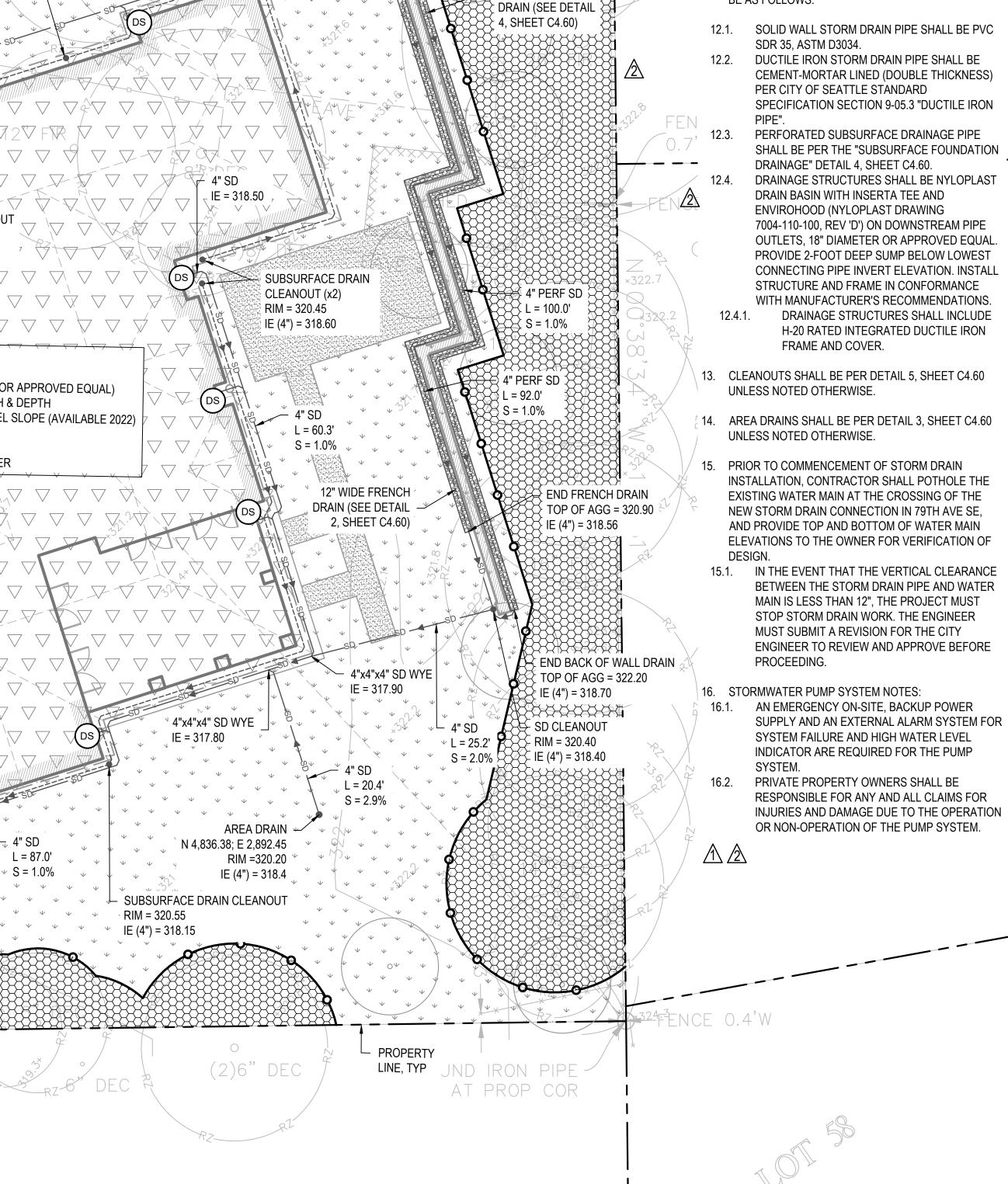
POST-CONSTRUCTION SOIL QUALITY AND DEPTH NOTES (2019 SWMMWW, BMP T5.13) 1. SOIL RETENTION: RETAIN, IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE. ONSTRATE THE FOLLOWING: OULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE. WITH 2 INCHES OF ORGANIC MATERIAL IER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS: 5% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS NDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING (2.3.1.) ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND HE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220. 2019 SWMMWW, BMP T5.13)

1.1. OPTION 1: LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION





- 1. A COPY OF THE APPROVED DRAINAGE CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 2. ALL REQUIRED STORM WATER FACILITIES MUST BE CONSTRUCTED AND IN OPERATION PRIOR TO ANY PAVING UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PLANNING AND DEVELOPMENT.
- 3. INSTALL CATCH BASIN INSERTS UNDER ALL CATCH BASIN AND AREA DRAIN GRATES IMMEDIATELY AFTER INSTALLATION, PROTECTION SHALL BE REMOVED AFTER FINAL PAVING AND/OR LANDSCAPING HAS BEEN ESTABLISHED.
- 4. TOP ELEVATION FOR ALL CATCH BASINS WITH SOLID COVER SHALL MATCH FINISH GRADE.
- 5. UNLESS NOTED OTHERWISE, THE CONTRACTOR MAY USE ANY COMBINATION OF PREFABRICATED FITTINGS (TEES, BENDS AND WYES) AT LOCATIONS WHERE STORM CONNECTION POINTS OF INTERSECTION (PI) ARE INDICATED. PREFABRICATED FITTINGS MAY BE ADJUSTED AS REQUIRED TO MAINTAIN POSITIVE SLOPE AND DRAINAGE. WHERE SPECIFICALLY INDICATED, THE CONTRACTOR SHALL PROVIDE THE FITTINGS AS SHOWN.
- 6. COORDINATE POINTS AND ELEVATIONS SHOWN FOR ALL CATCH BASINS, CLEANOUTS, AREA DRAINS AND MANHOLES ARE TO THE CENTER OF THE FRAME AND GRATE OR COVER, UNLESS NOTED OTHERWISE.
- 7. ALL TRENCHING FOR STORM DRAINS SHALL CONFORM TO CITY OF MERCER ISLAND STANDARD DETAILS S-3 AND S-4.
- 8. ALL STORM DRAIN PIPING SHALL BE INSTALLED WITH A MINIMUM SLOPE OF 1.0 PERCENT.
- 9. ALL STORM DRAIN MANHOLES ARE 48 INCHES IN DIAMETER, UNLESS NOTED OTHERWISE.
- 10. VERIFY LOCATIONS OF LATERAL BUILDING CONNECTIONS WITH THE PLUMBING DRAWINGS PRIOR TO INSTALLATION.
- 11. TOP ELEVATION FOR ALL VAULTS SHALL MATCH FINISH GRADE. SLOPE VAULT LIDS AS REQUIRED.
- 12. PIPE AND DRAINAGE STRUCTURE MATERIALS SHALL BE AS FOLLOWS:



20

TREE PROTECTION FENCE, TYP (SEE SHEET C1.00) -

BEGIN BACK OF WALL DRAIN W/ CLEANOUT

4" SD

IE = 319.90

BEGIN FRENCH DRAIN W/ CLEANOUT

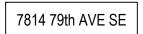
TOP OF AGG = 321.50 -

IE (4" PERF) = 319.70

TOP OF AGG = 321.50 -

IE (4" PERF) = 319.50





C4.00

Stormwater Site Plan

PERMIT DRAWINGS

7810 - 79th AVE SE MERCER ISLAND, WA 98040

BRINDLEY RESIDENCE

6040 California Ave SW Suite C Seattle, WA 98136

HLENGINEERING

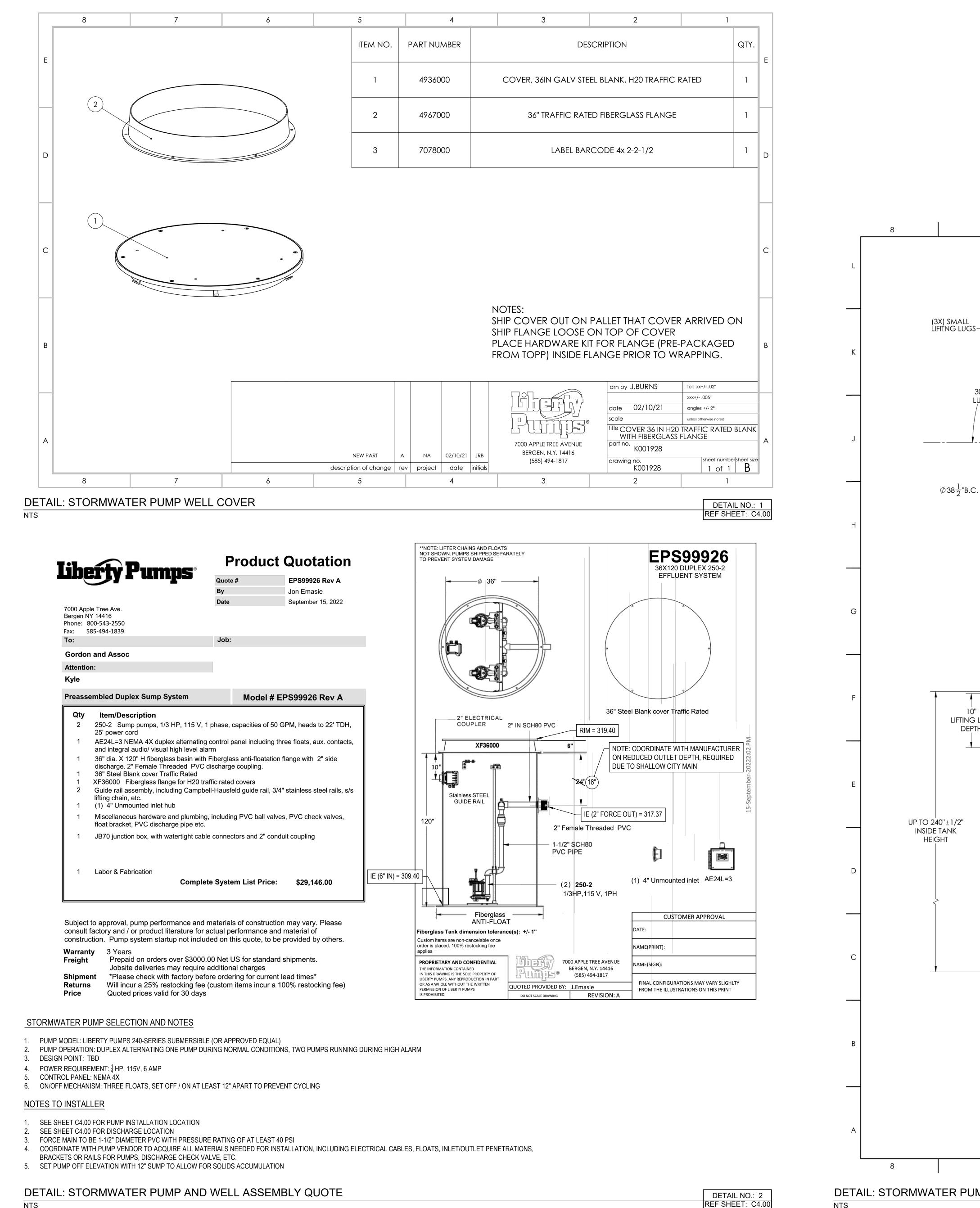
DATE DESCRIPTION 07.29.22 BLDG PERMIT REV 01 09.21.22 BLDG PERMIT REV 02 3 11.11.22 BLDG PERMIT REV 03

SHEET ISSUE DATE 03.07.2022 DRAWING SETS PRE-APPLICATION 09/23/21 PERMIT 03/07/22 SET TITLE DATE SET TITLE DATE REVISIONS

DRAWN

CHECKED

||-||-2022



REF SHEET: C4.00

DETAIL: STORMWATER PUMP AND WELL ASSEMBLY NTS

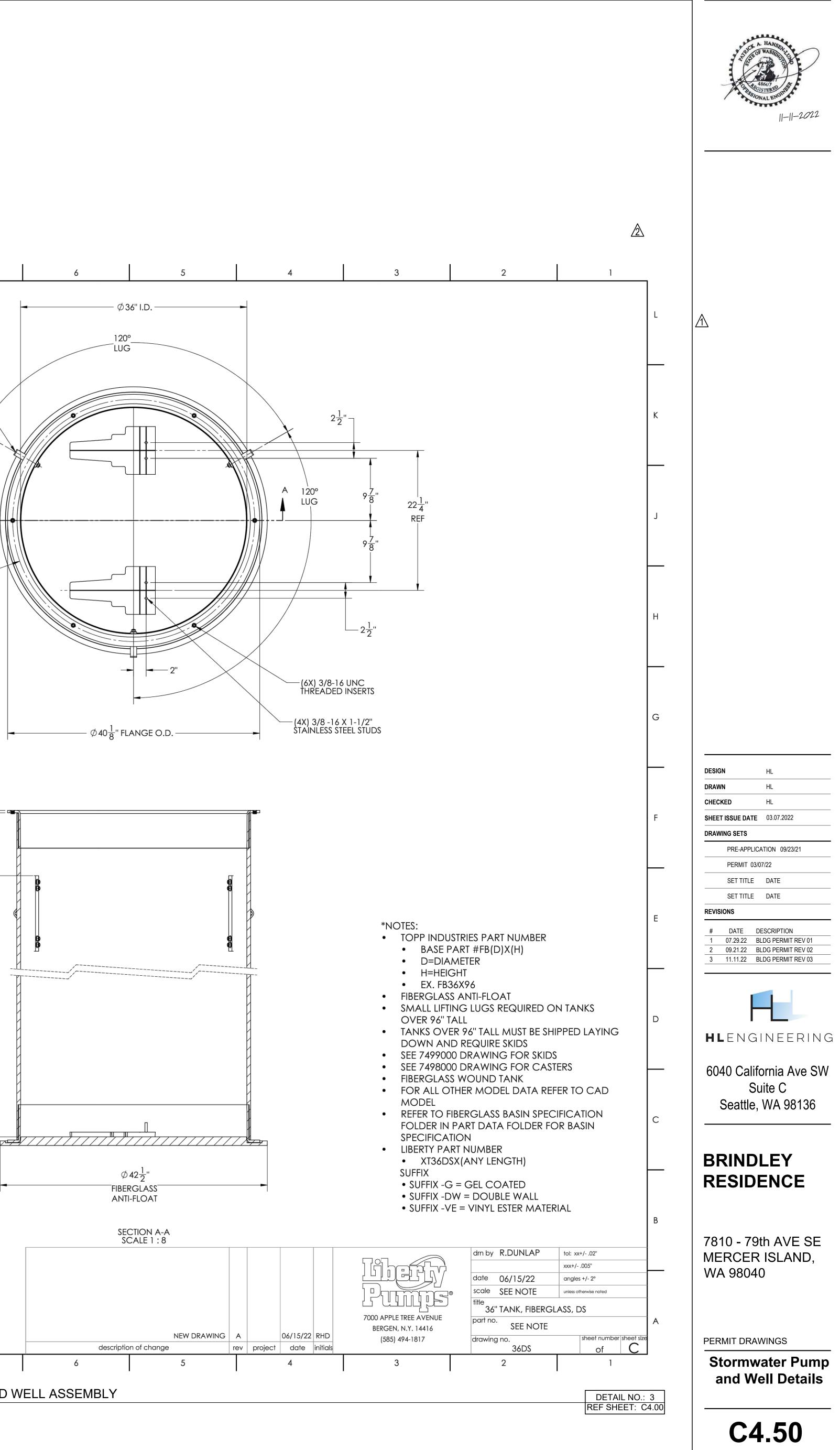
30°

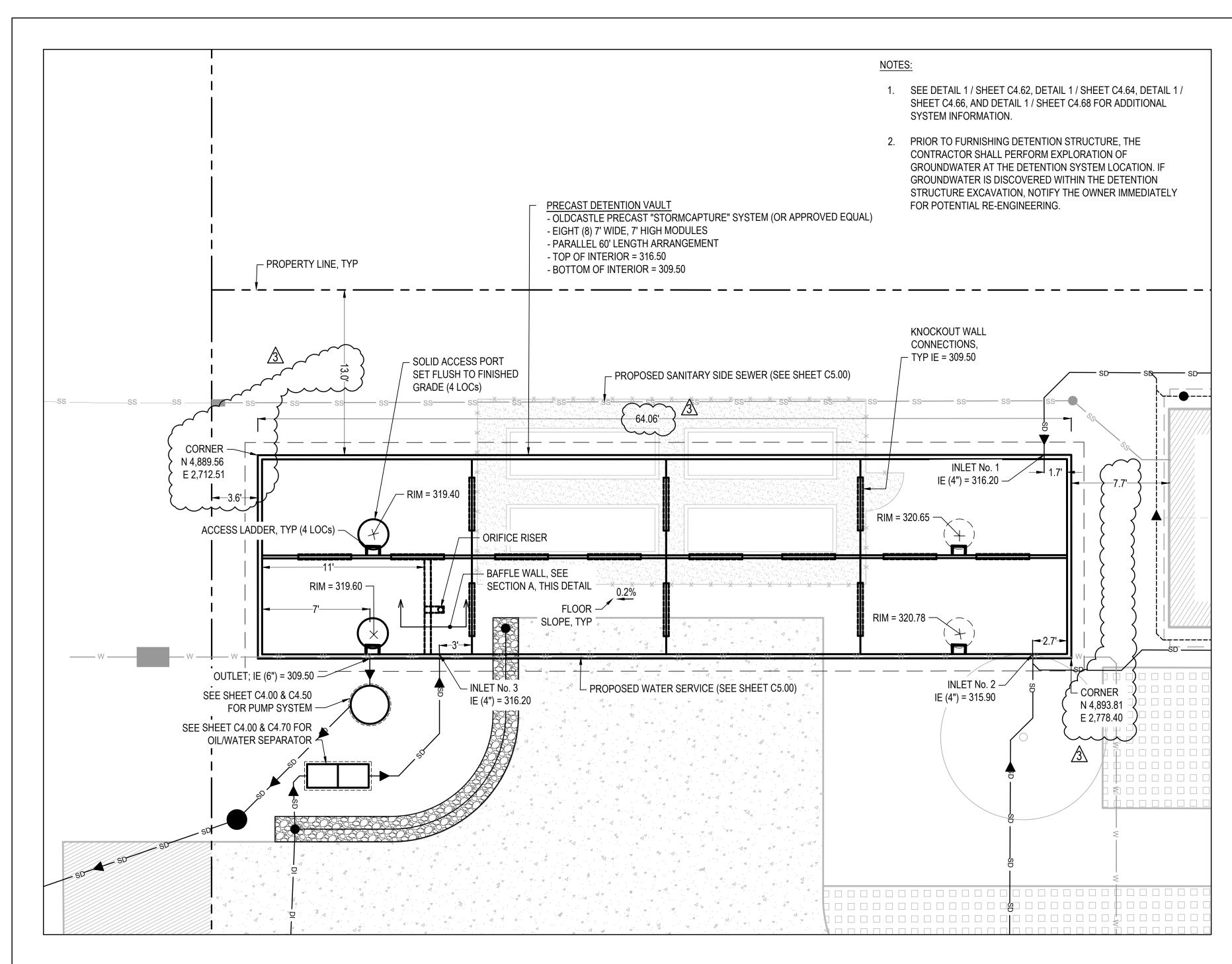
LUG

10"

LIFTING LUG

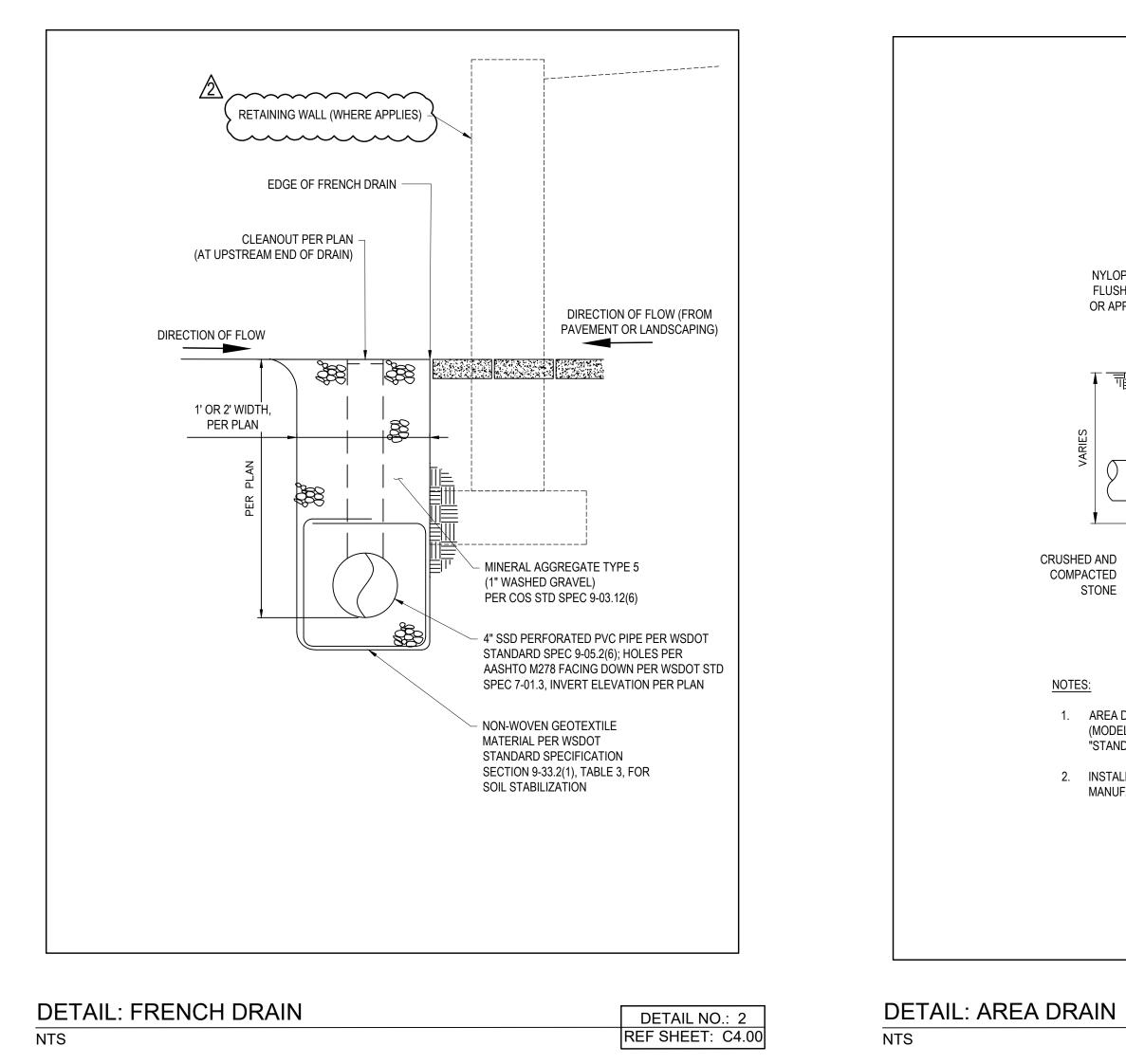
DEPTH

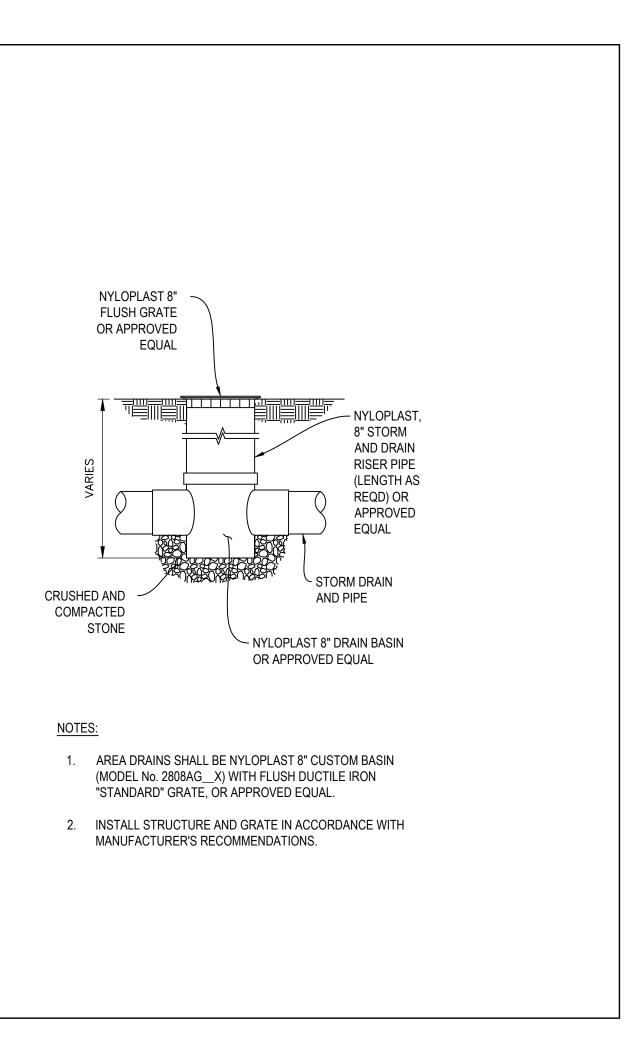


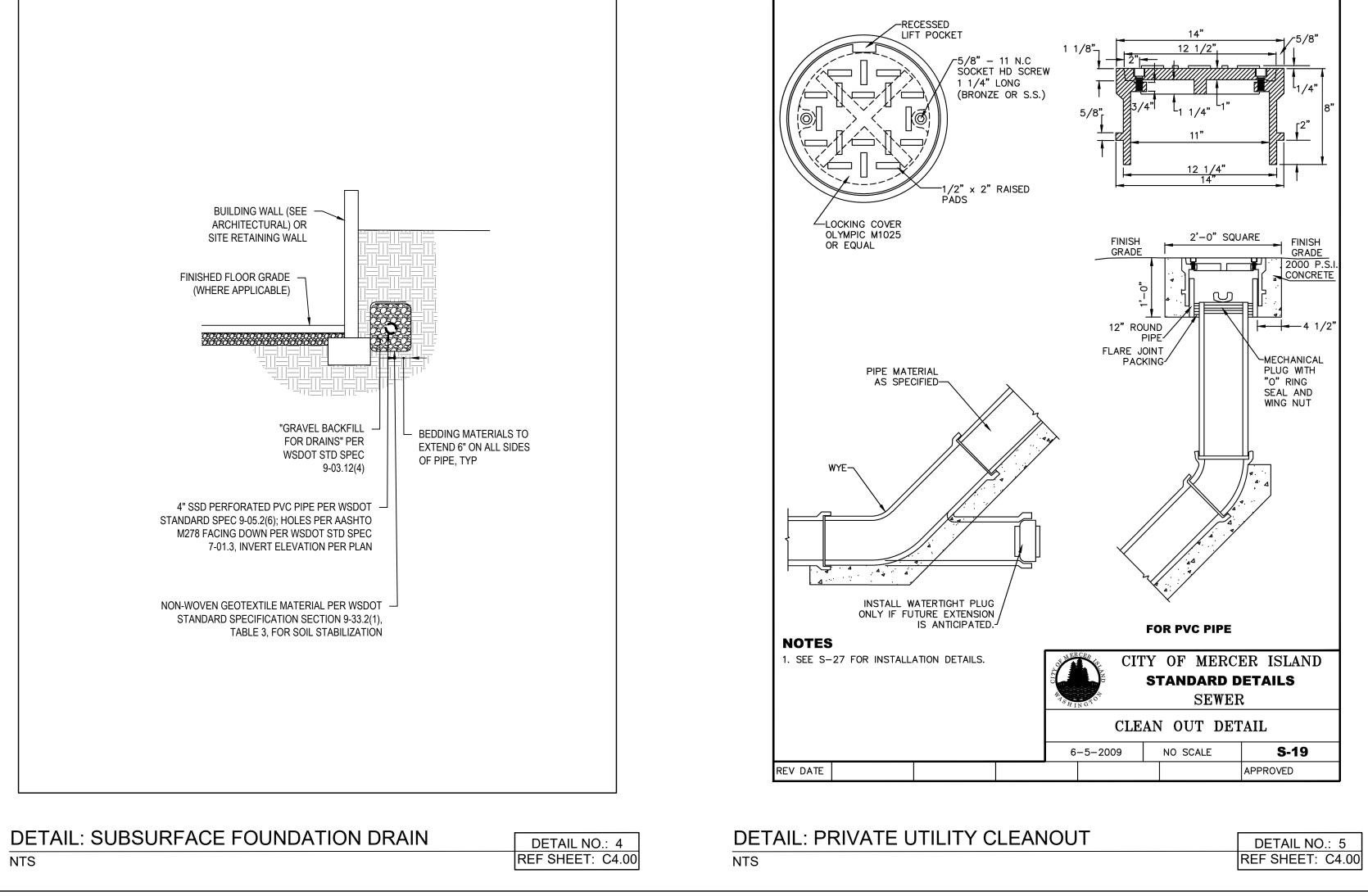


DETAIL: STORMWATER DETENTION SYSTEM NTS

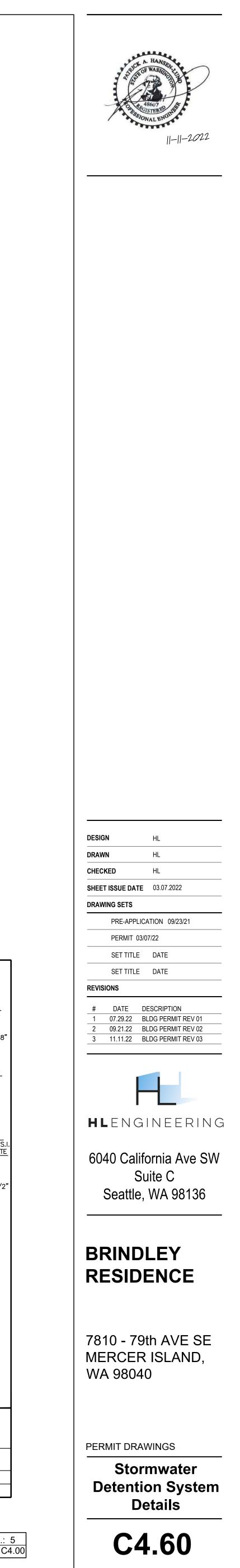
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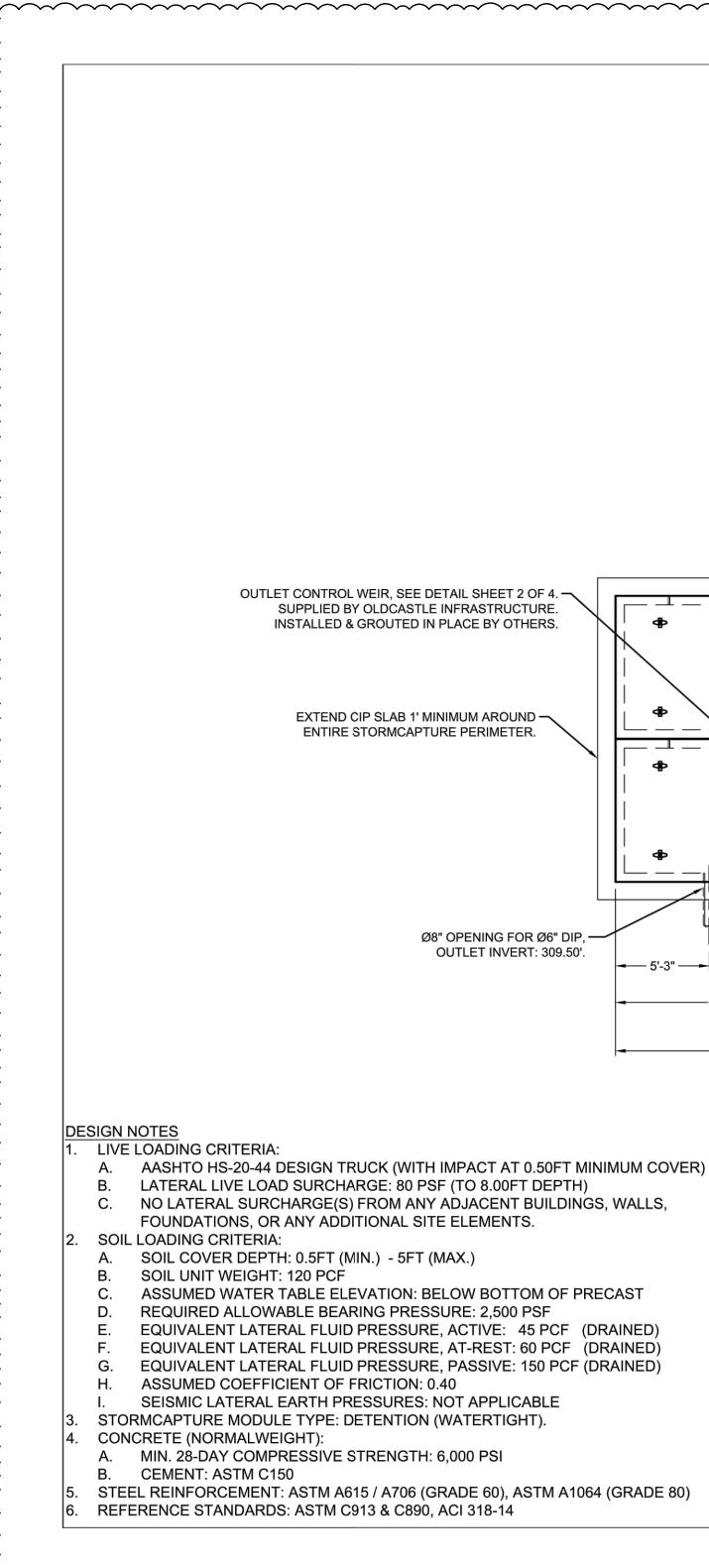




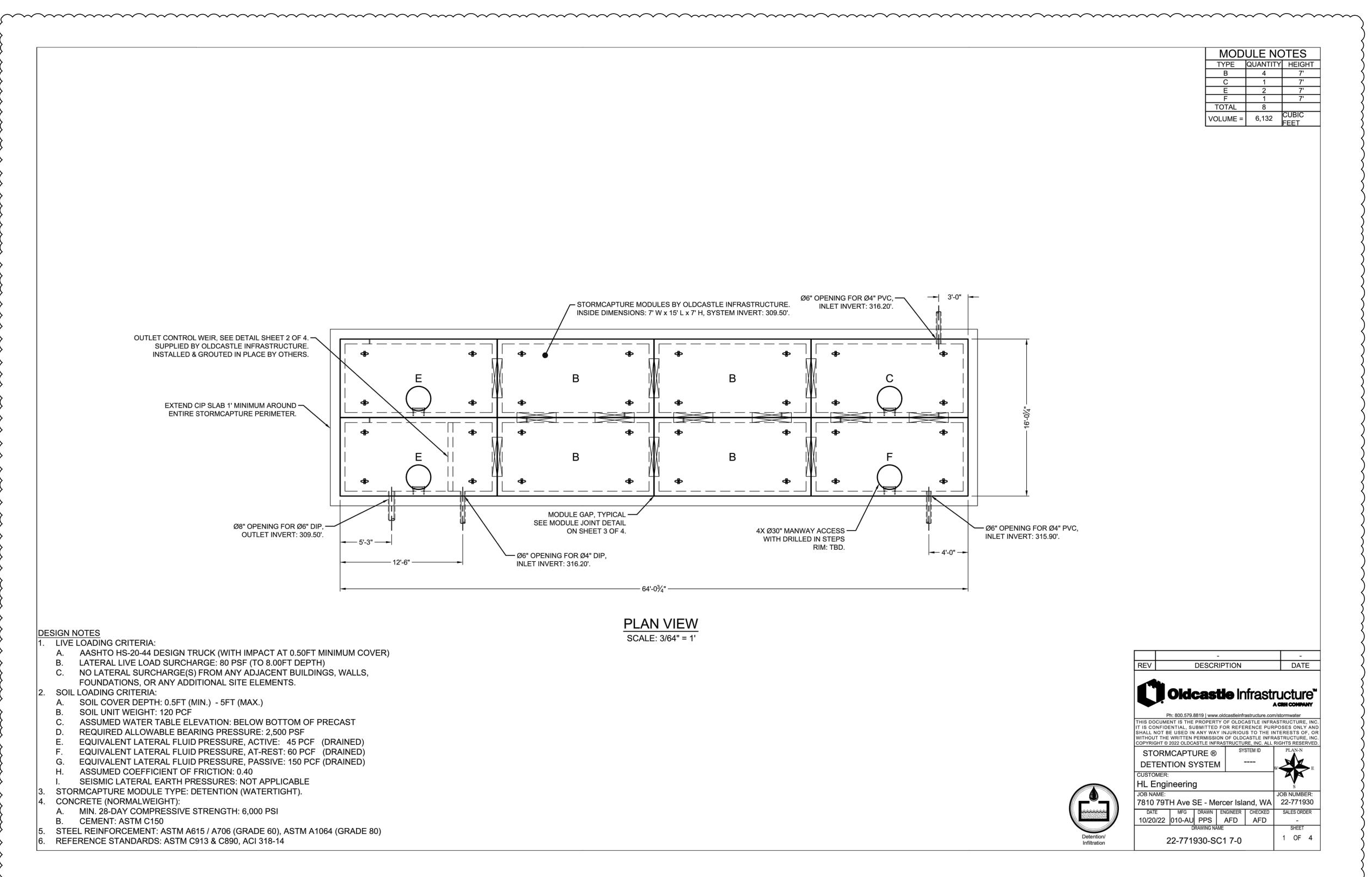


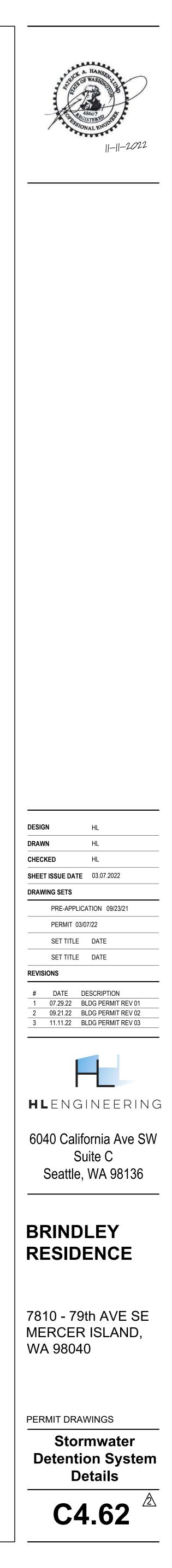
DETAIL NO.: 3 REF SHEET: C4.00



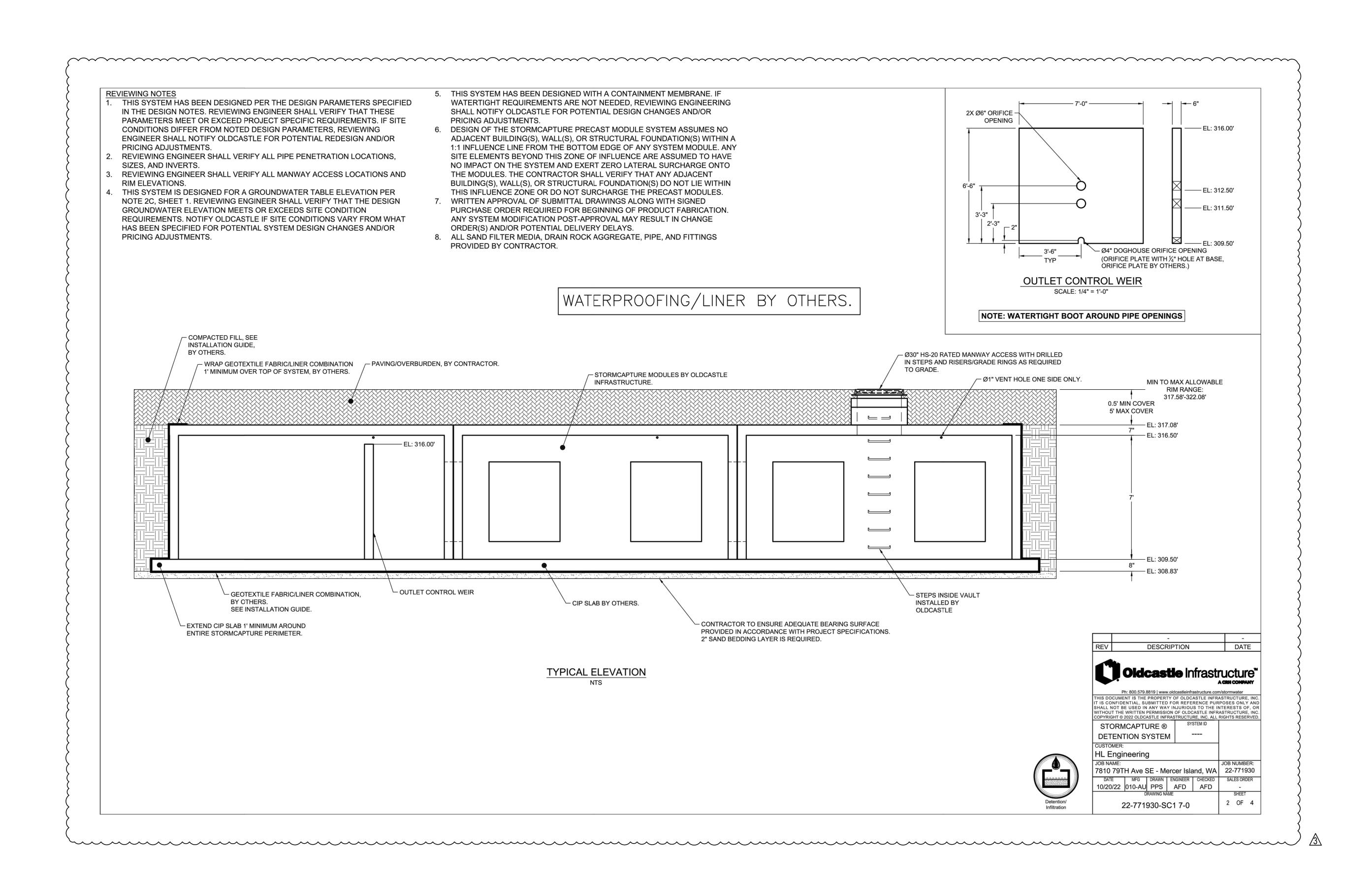


DETAIL: STORMWATER DETENTION MODULE PLAN DETAIL NO.: 1 REF SHEET: C4.00

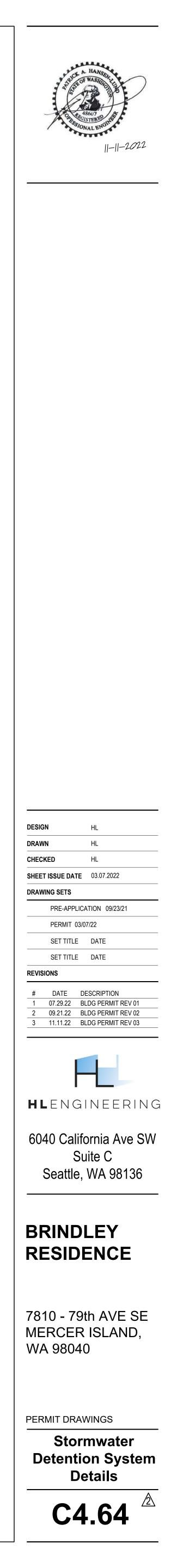


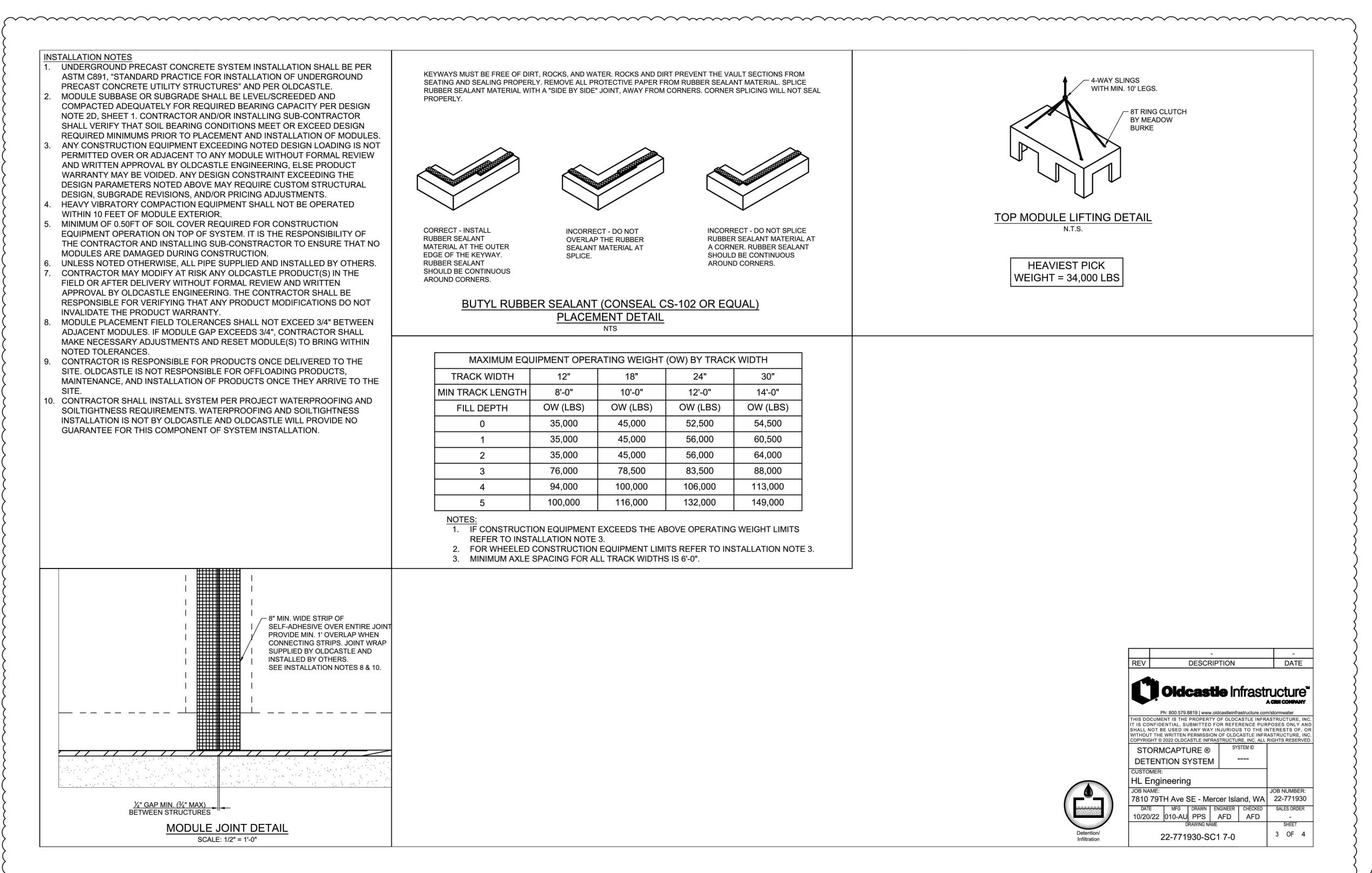


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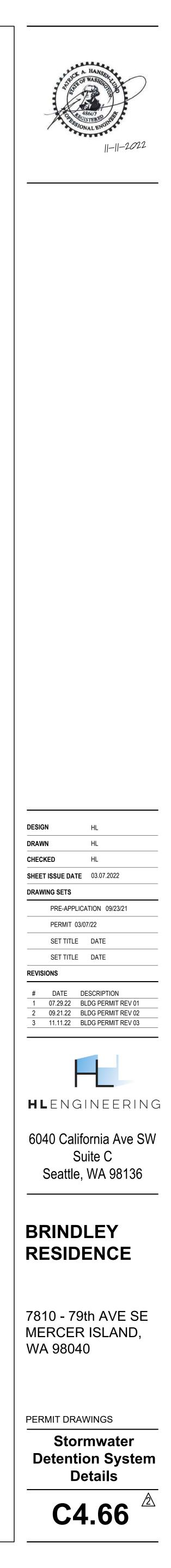


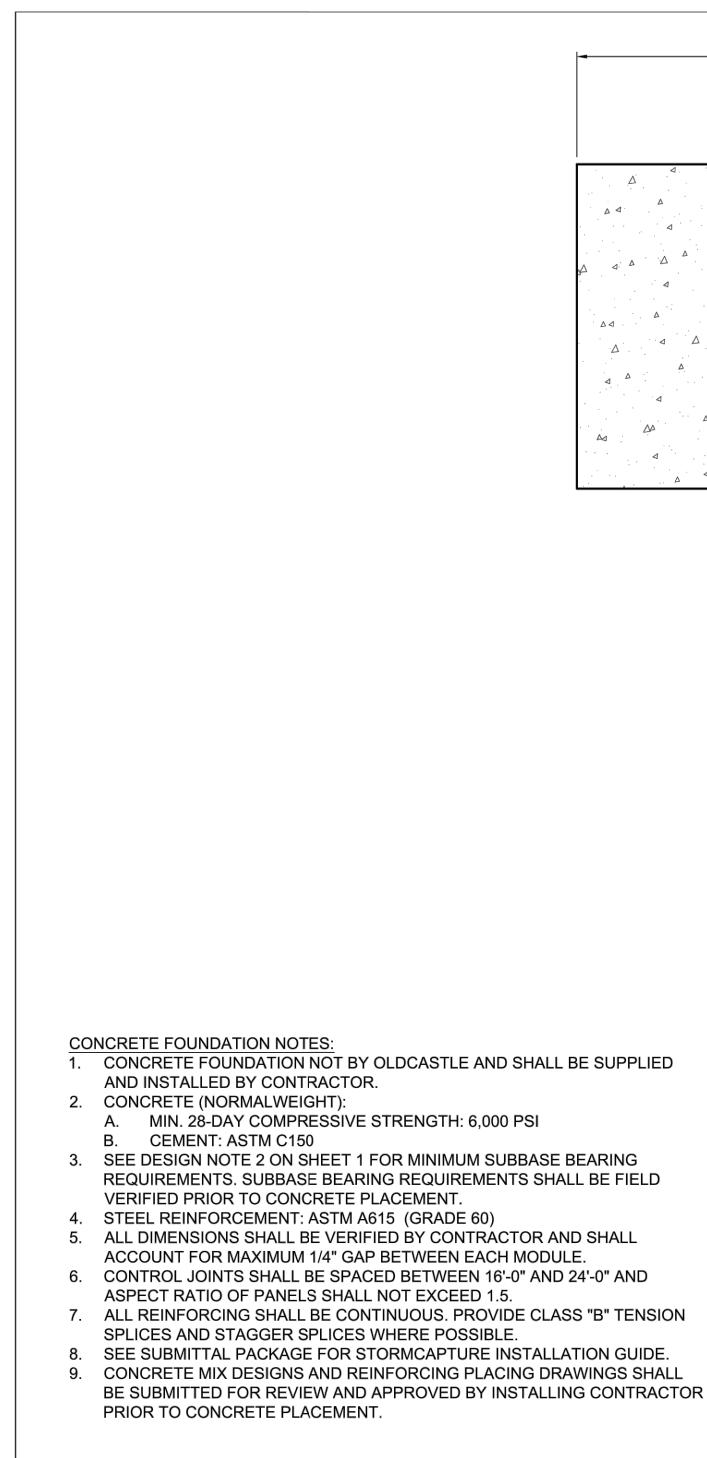
DETAIL: STORMWATER DETENTION PROFILE

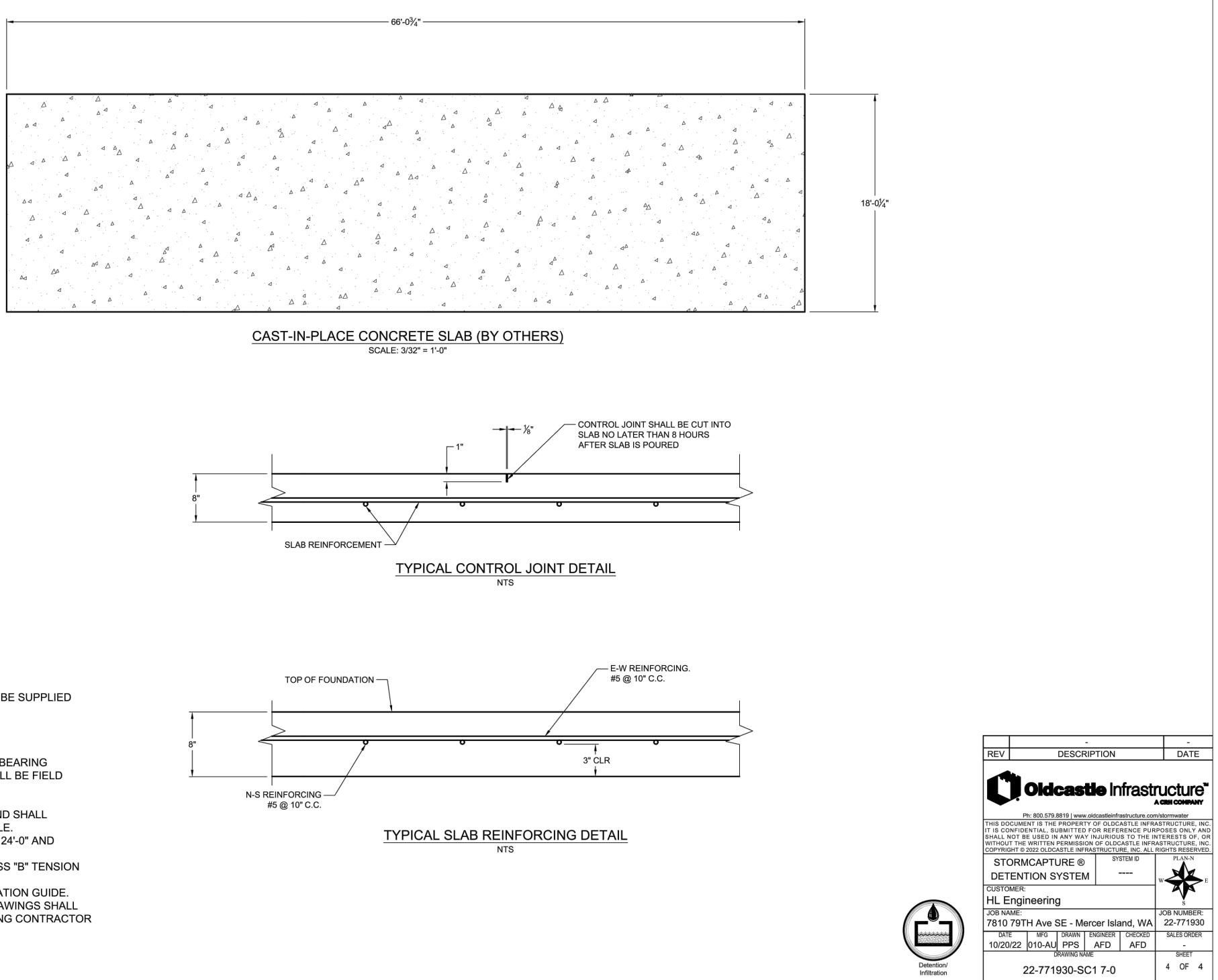


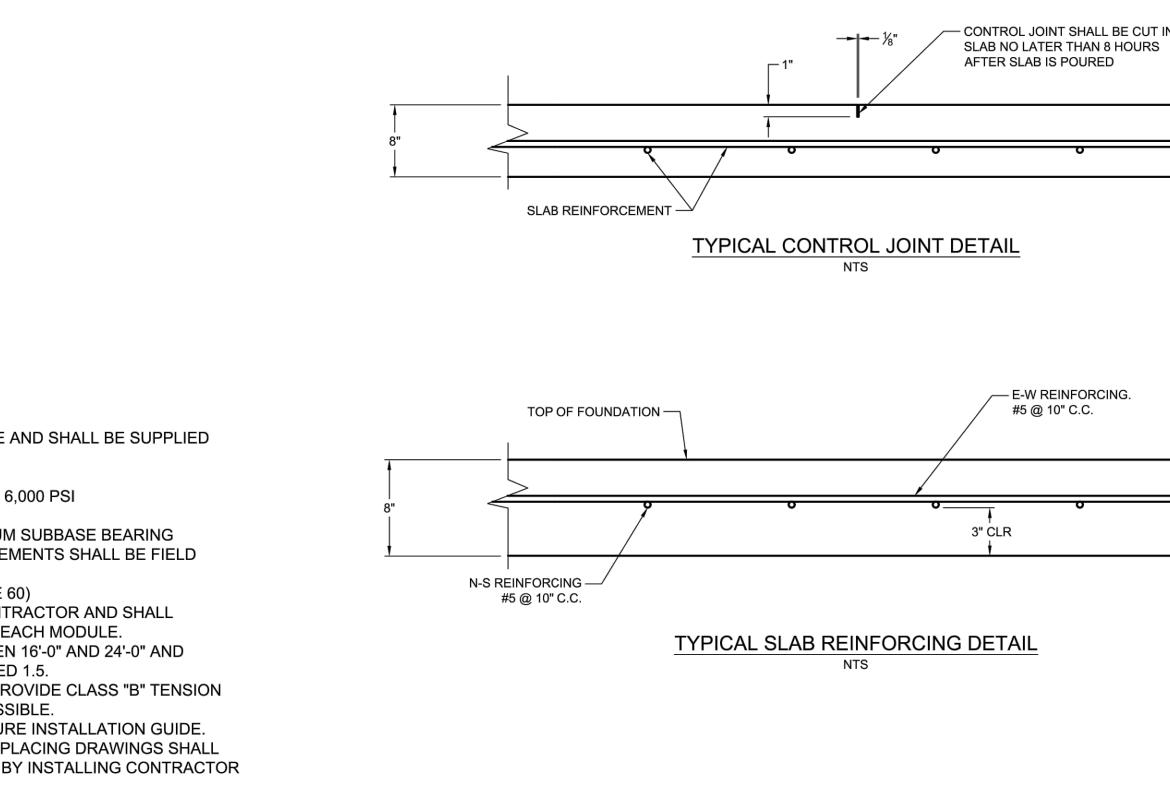


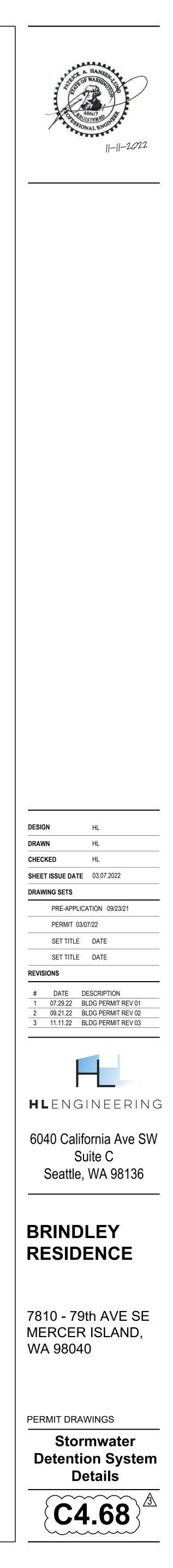
DETAIL: STORMWATER DETENTION DETAILS NTS

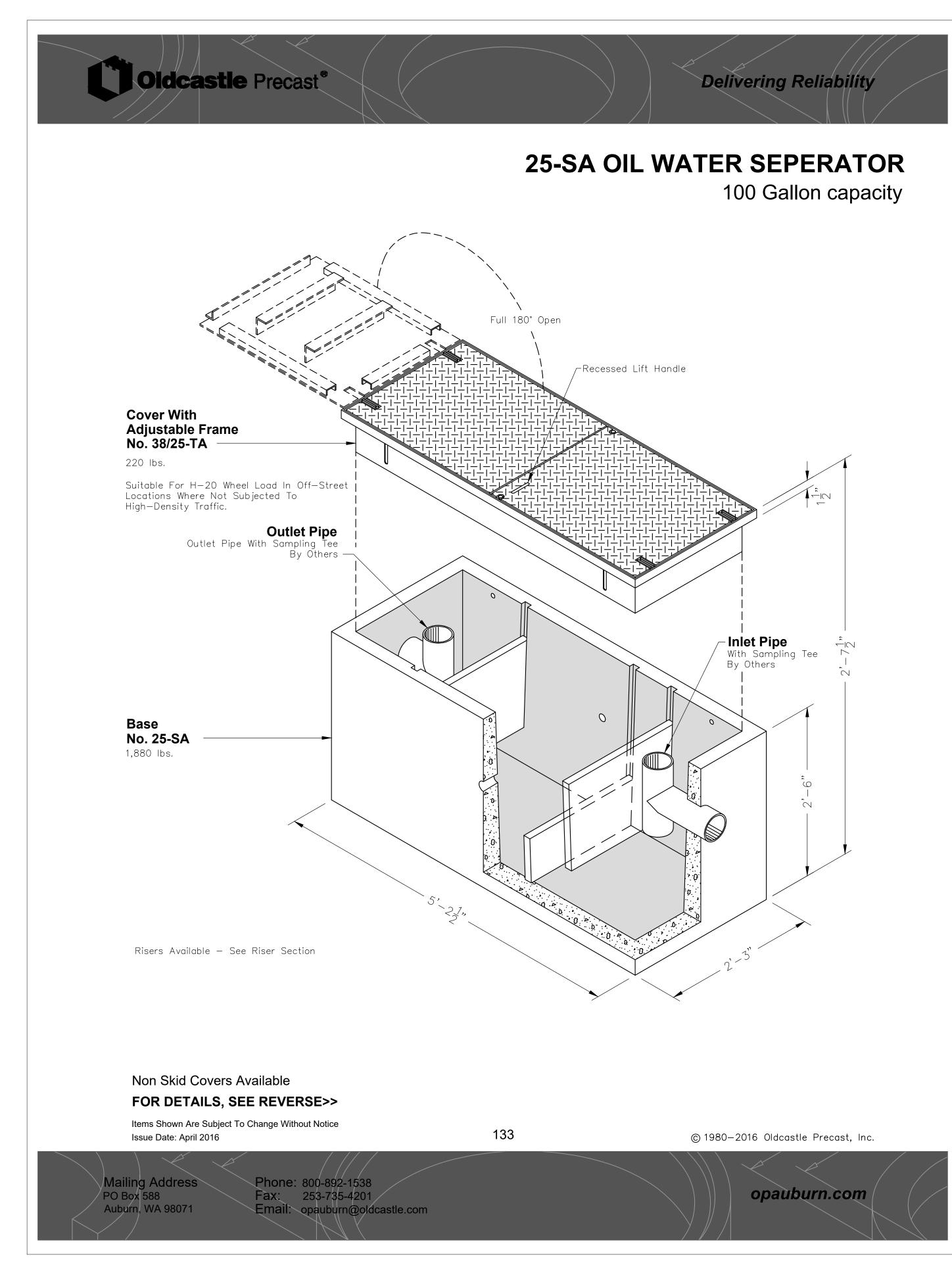




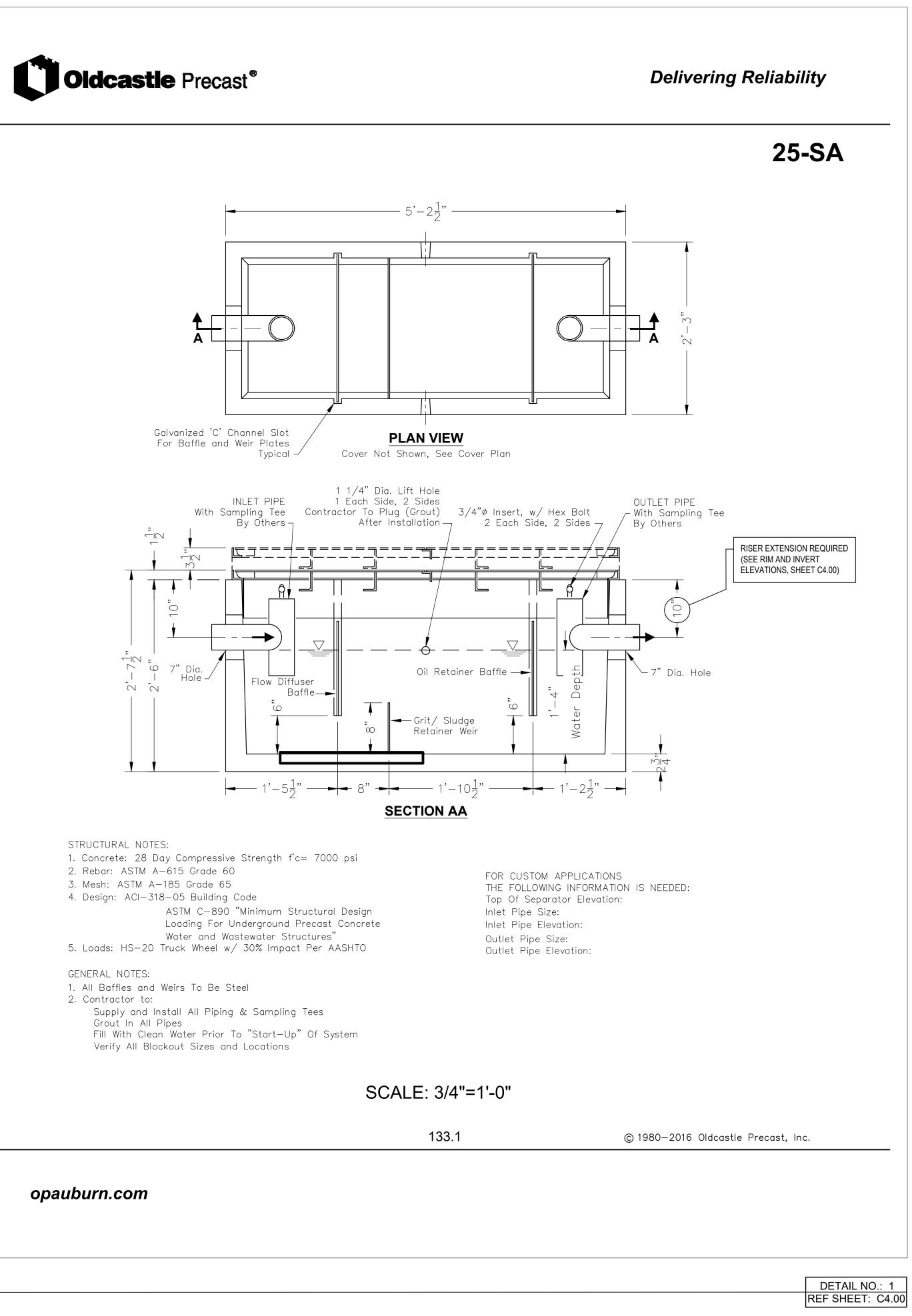






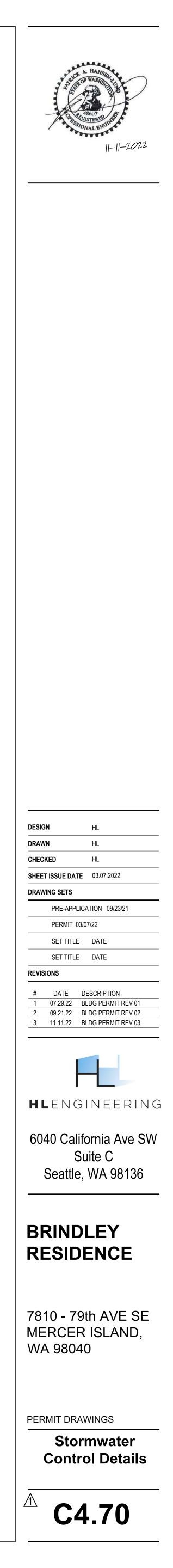


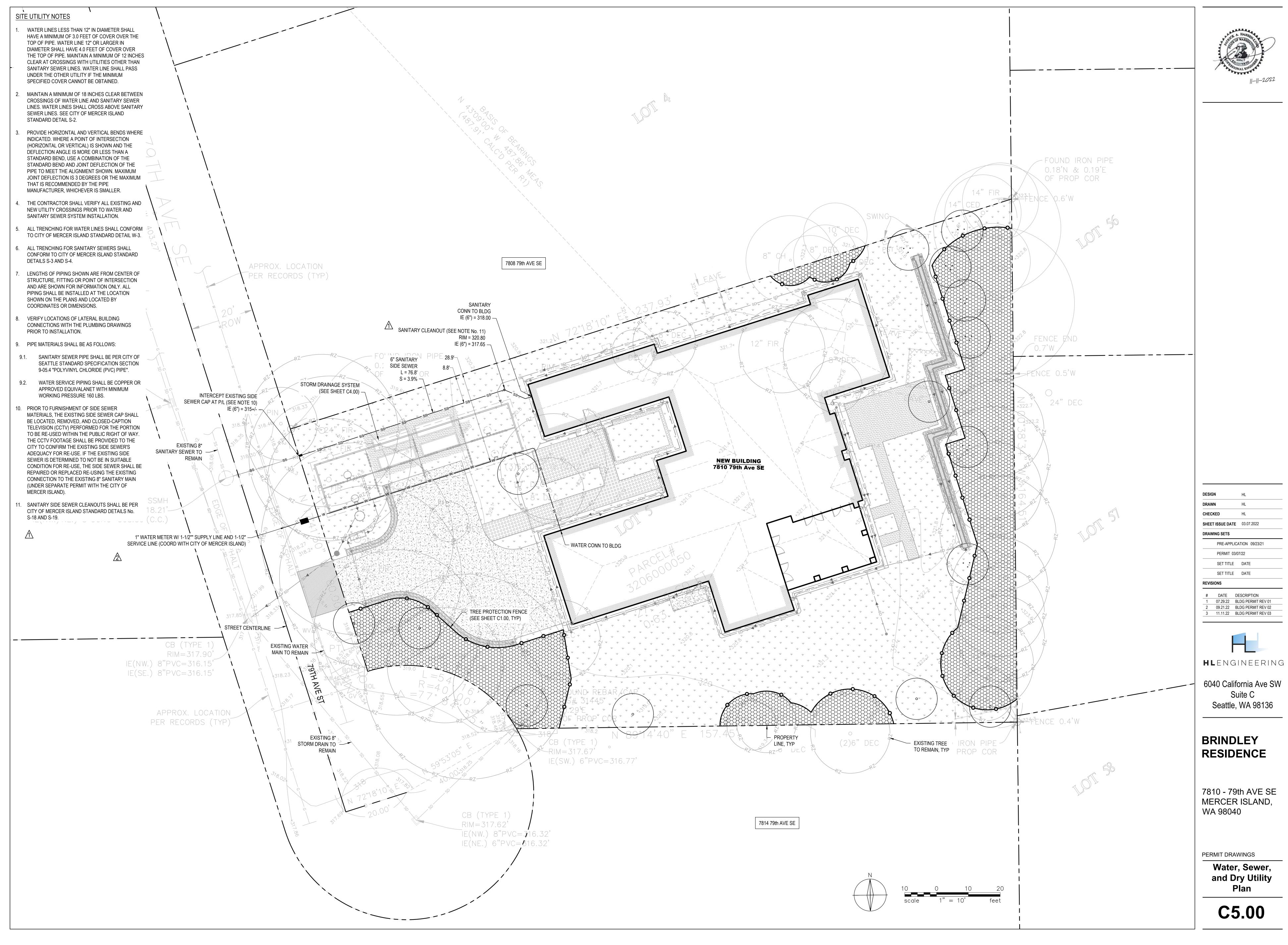
DETAIL: STORMWATER OIL / WATER SEPARATION SYSTEM NTS



- GENERAL NOTES:
- 2. Contractor to:

opauburn.com





GENERAL NOTES

- QUESTION.
- WITH WORK
- BEFORE PROCEEDING WITH WORK.
- THE WORK 8. CONTRACTOR SHALL VERIFY CONFORMANCE OF ACTUAL SOIL CONDITIONS WITH SOILS REPORT AND DESIGN ASSUMPTIONS.
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL NECESSARY PERMITS FOR THE WORK, EXCEPT FOR THE BUILDING PERMIT WHICH IS THE RESPONSIBILITY OF THE ARCHITECT.
- 11. REPETITIVE FEATURES MAY BE DRAWN ONLY ONCE, BUT SHALL BE PROVIDED AS IF

INDICATED AS TYPICAL.

- INTERIOR COLUMNS UNLESS NOTED OTHERWISE.
- DISCREPANCIES IN FRAMING PRIOR TO PROCEEDING WITH WORK.
- AND PLUMBING.

JOB SITE SAFETY

- SAFETY PRECAUTIONS.
- 2. PERIODIC SITE VISITS PERFORMED BY THE ARCHITECT SHALL NOT BE CONSTRUED AS SUPERVISION OF ACTUAL CONSTRUCTION SAFETY PRECAUTIONS.
- 3. THE ARCHITECT IS NOT RESPONSIBLE FOR PROVIDING A SAFE PLACE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES OR EMPLOYEES OF SUPPLIERS OR SUBCONTRACTORS, OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.

SITE WORK

- PREVENT RUN OFF OF MATERIAL TO ADJACENT PROPERTIES.
- 2. FOOTING DRAIN TO BE SEPARATE FROM ROOF AND IMPERVIOUS AREA DRAINS. 3. DOWNSPOUT DRAIN TO BE 4" DIAMETER TIGHTLINE UNLESS NOTED OTHERWISE 4. FOOTING DRAIN TO BE 4" DIAMETER PERFORATED PIPE UNLESS NOTED OTHERWISE 5. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH REQUIRED SEPTIC AND/OR STORM WATER DETENTION SYSTEMS.

EARTH WORK

- 2. COMPACTED FILL TO BE WELL GRADED AND GRANULAR WITH NOT MORE THAN 5% PASSING A 200 SIEVE. PLACE IN 8" LOOSE LIFTS AND COMPACT TO 95% MODIFIED AASHO DENSITY AT OPTIMUM MOISTURE CONTENT. 3. BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING GRANULAR FILL AND
- PROVIDE FOR SUBSURFACE DRAINAGE AS NOTED IN THE SOILS REPORT. MOISTURE PROTECTION
- 1. PROVIDE PRESSURE TREATED PLATES BETWEEN CONCRETE AND FRAMING. 2. PROVIDE A MINIMUM OF 12" CLEAR BETWEEN WOOD GIRDERS AND EARTH.
- 4. PROVIDE A MINIMUM OF 8" CLEAR BETWEEN WOOD POSTS AND EARTH.
- 5. PROVIDE A MINIMUM OF 1" CLEAR BETWEEN WOOD POSTS AND CONCRETE FLOORS 6. CAULK ALL OPENINGS THOROUGHLY.
- ACCEPTABLE INDUSTRY STANDARDS.
- 8. METAL COPING AT PARAPET TO BE A MINIMUM OF 18 GAUGE GALVANIZED STEEL

SAFETY AND SECURITY ALL EXTERIOR DOORS.

- DOORS.
- 3. ALL LOCKS SHALL BE OPENABLE WITHOUT ANY SPECIAL KNOWLEDGE OR EFFORT. 4. WINDOWS WITHIN 10'-0" OF FINISHED GRADE SHALL BE PROVIDED WITH LATCHING
- DEVICES. 5. STAIRWAYS TO MEET THE FOLLOWING REQUIREMENTS: (OCCUPANCIES LESS THAN 10)

STAIR WIDTH TREAD WIDTH RISER HEIGHT HEADROOM HANDRAIL HEIGHT

- HANDRAIL GRASP 1-1/4"(Min) to 2" (Max) 6. HANDRAIL INTERMEDIATE MEMBERS SHALL BE CONFIGURED AS TO PROHIBIT
- PASSING A 4" DIAMETER SPHERE THROUGH ANY OPENING. 7. GUARDRAILS SHALL BE A MINIMUM OF 36" ABOVE FINISH FLOOR.
- 8. GUARDRAIL INTERMEDIATE MEMBERS SHALL BE CONFIGURED AS TO PROHIBIT PASSING A 4" DIAMETER SPHERE THROUGH ANY OPENING.

1. ALL WORK TO COMPLY WITH 2018 CITY AND STATE CODES WITH AMENDMENTS.

2. ALL APPLICABLE CODES, ORDINANCES AND MINIMUM STRUCTURAL REQUIREMENTS TAKE PRECEDENCE OVER ALL DRAWINGS, NOTES AND SPECIFICATIONS.

3. DO NOT SCALE DRAWINGS: USE PRINTED DIMENSIONS ONLY, NOTIFY ARCHITECT OF ANY OMISSIONS OR DISCREPANCIES BEFORE PROCEEDING WITH WORK IN

4. CONTRACTOR MUST CONTACT ARCHITECT IMMEDIATELY FOR ANY DISCREPANCIES IN CONTRACT DOCUMENTS OR EXISTING CONDITIONS PRIOR TO PROCEEDING WITH

- 5. CONTRACTOR MUST CONTACT ARCHITECT IMMEDIATELY FOR ANY DISCREPANCIES BETWEEN CONTRACT DOCUMENTS AND APPLICABLE CODES PRIOR TO PROCEEDING
- 6. CONTRACTOR TO VERIFY ALL DIMENSIONS, GRADES AND EXISTING CONDITIONS
- 7. CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF/HERSELF WITH ALL ASPECTS OF THE WORK PRIOR TO CONTRACTING WITH THE OWNER TO PERFORM
- 10. GUARANTEE ON ALL MATERIALS AND WORKMANSHIP TO BE (1) YEAR FROM DATE OF COMPLETION UNLESS NOTED OTHERWISE IN CONTRACT.
- DRAWN IN FULL. REPETITIVE NOTES MAY BE CALLED OUT ONLY ONCE AND
- 12. DIMENSIONS ARE TO FACE OF STUD OR FACE OF CONCRETE OR CENTERLINE OF 13. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING MECHANICAL. ELECTRICAL AND PLUMBING CONTRACTORS AND NOTIFYING THE ARCHITECT OF ANY
- 14. THIS PROJECT TO BE DESIGN-BUILD IN THE AREAS OF MECHANICAL, ELECTRICAL
- 1. THE ARCHITECT HAS NOT BEEN RETAINED OR COMPENSATED TO PROVIDE DESIGN AND/OR CONSTRUCTION REVIEW SERVICES RELATING TO THE CONTRACTOR'S
- 1. ALL EXCAVATION AND FILL SHALL BE STORED AND PROTECTED SUCH AS TO
- 1. EXTEND EXCAVATION DOWN TO UNDISTURBED SOIL OF THE SPECIFIED STRENGTH WITH A MINIMUM OF 18" BELOW LOWEST ADJACENT FINISH GRADE.
- 3. PROVIDE A MINIMUM OF 18" CLEAR BETWEEN WOOD JOISTS AND EARTH.
- 7. FLASH ALL OPENINGS WITH A MINIMUM OF 26 GAUGE GALVANIZED STEEL TO

- 1. DEADBOLTS WITH A MINIMUM THROW OF 1/2" AND A VIEWPORT ARE REQUIRED AT
- 2. DEADBOLTS OR APPROVED LOCKING DEVICES ARE REQUIRED ON ALL SLIDING
 - 36" (Minimum)
 - 10" (Minimum), 6" Minimum for Winders 7 3/4" (Maximum)
 - 80" (Minimum) 34" to 38" above nosing

ENERGY NOTES

- 1. ALL WORK SHALL COMPLY WITH THE RESIDENTIAL PROVISIONS OF THE 2018 WASHINGTON STATE ENERGY CODE (WSEC).
- 2. HEATING UNIT(S) SHALL MAINTAIN 70 DEGREES FAHRENHEIT AT 36" ABOVE FLOOR WHEN OUTSIDE TEMPERATURE IS 24 DEGREES FAHRENHEIT, OR CURRENT REQUIREMENTS.
- 3. AT LEAST ONE PROGRAMMABLE THERMOSTAT IS REQUIRED FOR THE REGULATION OF TEMPERATURE. PROVIDE NIGHT SETBACK THERMOSTAT.
- 4. CAULK ALL JOINTS AROUND EXTERIOR OPENINGS AND ALL JOINTS IN SIDING AND FLASHING WHERE INFILTRATION MAY BE POSSIBLE.
- 5. SEAL ALL TEARS AND JOINTS IN INSULATION WITH APPROVED TAPE
- 6. SHOWER FLOW CONTROL SHALL BE LIMITED TO 2.5 GALLONS PER MINUTE, OR CURRENT REQUIREMENTS.
- 7. ALL CRAWLSPACES SHALL HAVE A MINIMUM OF 10 MIL BLACK VISQUEEN GROUND COVER EXTENDED OVER THE TOP OF THE FOOTINGS. LAP ALL JOINTS 12" MINIMUM.
- 8. FIREPLACE(S) SHALL HAVE TIGHT FITTING DAMPERS AND SHALL BE PROVIDED WITH
- A MINIMUM OF 6 SQUARE INCHES OF OUTSIDE COMBUSTIBLE AIR SUPPLY. 9. METAL DUCTS OUTSIDE THE CONDITIONED SPACE SHALL BE INSULATED TO R-8
- MINIMUM PER THE 2018 WSEC, SECTION R403.2.1. PROVIDE WEATHER BARRIER IF LOCATED ON THE EXTERIOR OF THE BUILDING.
- 10. HOT WATER PIPES SHALL BE WRAPPED WITH INSULATION (R-4 MINIMUM) PER THE 2018 WSEC, SECTION R403.4.2. 11. WATER HEATER(S) SHALL MEET 1987 NATIONAL APPLIANCE ENERGY
- CONSERVATION ACT. 12. VAPOR RETARDER SHALL BE INSTALLED ON THE CONDITIONED ROOM SIDE OF THE
- INSULATION. 13. BLOWER DOOR TESTING: AIR LEAKAGE SHALL NOT EXCEED 4 AIR CHANGES/HOUR. AND SHALL BE TESTED PER THE 2018 WSEC, SECTION R402.4.1.2. PROVIDE A WRITTEN REPORT OF THE TEST RESULTS, SIGNED BY THE TESTING PARTY, TO THE
- BUILDING INSPECTOR, PRIOR TO APPROVED FINAL INSPECTION. 14. 90% MIN. OF LUMINAIRES TO BE HIGH EFFICACY LUMINARIES PER THE 2018 WASHINGTON STATE ENERGY CODE, SECTION R404.1. ALL EXTERIOR LIGHTING
- SHALL BE HIGH EFFICACY LUMINARIES. 15. EXISTING CEILING, WALL OR FLOOR CAVITIES EXPOSED DURING CONSTRUCTION FOUND UNINSULATED, OR WITH DAMAGED INSULATION, SHALL BE FILLED WITH R15 INSULATION AT 2X4 FRAMING AND R21 INSULATION AT 2X6 FRAMING PER WEC R101.4.3-EXCEPTION 3
- 16. DUCT LEAKAGE TEST RESULTS SHALL BE PROVIDED TO THE BUILDING INSPECTOR AND HOMEOWNER PRIOR TO AN APPROVED FINAL INSPECTION.

VENTILATION NOTES

- 1. VENTILATION AND EXHAUST SYSTEMS TO COMPLY WITH THE REQUIREMENTS OF CHAPTER 15 OF THE 2018 WASHINGTON STATE RESIDENTIAL CODE (WSRC).
- 2. SOURCE SPECIFIC FANS SHALL BE LOCATED IN ALL KITCHENS, BATHROOMS, WATER CLOSETS, AND LAUNDRY FACILITIES IN COMPLIANCE WITH THE 2018 WSRC, SECTION M1505.4.4. VENTILATION CAPACITY SHALL BE AT LEAST 50 C.F.M. FOR BATHROOMS AND WATER CLOSETS (INTERMITTENT USE) AND 100 C.F.M. FOR KITCHENS (INTERMITTENT USE). RANGE HOODS SHALL BE EXHAUSTED IN ACCORDANCE WITH SECTION M1503.
- 3. CLOTHES DRYERS SHALL BE EXHAUSTED IN ACCORDANCE WITH THE 2018 WSRC, SECTION M1502.3. DUCT LENGTH SHALL NOT EXCEED 35 FEET, PLUS THE LENGTH OF THE TRANSITION DUCT, LESS THE EQUIVALENT LENGTH OF FITTINGS PER TABLE M1502.4.4.1.
- 4. INTERMITTENT WHOLE HOUSE VENTILATION SYSTEM SHALL COMPLY WITH THE 2018 WSRC. SECTION M1505.4. INTERMITTENT VENTILATION SHALL OCCUR AT LEAST 25% OF EACH 4-HOUR SEGMENT. VENTILATION RATE SHALL BE NOT LESS THAN AS SPECIFIED BY TABLE M1505.4.3(1), MULTIPLIED BY THE RATE FACTOR INDICATED ON TABLE M1505.4.3(2). FAN SHALL HAVE A SONE RATING OF 1.0 OR LESS MEASURED AT 0.1 INCHES WATER GAUGE. OUTDOOR AIR SHALL BE PROVIDED TO ALL HABITABLE ROOMS.
- 5. EXHAUST DUCT WORK SHALL CONFORM TO THE 2018 WSRC, CHAPTER 16. EXHAUST DUCTING TERMINATIONS SHALL BE OUTSIDE THE BUILDING, SHALL BE LOCATED IN COMPLIANCE WITH SECTION M1506.2, AND SHALL BE EQUIPPED WITH BACKDRAFT DAMPERS.
- 6. SUPPLY DUCTS WITHIN CONDITIONED SPACE SHALL BE INSULATED TO A MINIMUM OF R-4.
- . PROVIDE A MINIMUM NET AREA OF 1 SQUARE FOOT OF VENTILATION AREA FOR EACH 300 SQUARE FEET OF CRAWLSPACE AREA. PLACE OPENINGS AS NEAR AS TO CORNERS AS PRACTICABLE AND SHALL PROVIDE CROSS VENTILATION.
- 8. ALL CRAWLSPACE VENTS SHALL BE PROVIDED WITH 1/4" NON-CORROSIVE WIRE MESH 9. PROVIDE A MINIMUM NET AREA OF 1 SQUARE FOOT OF VENTILATION AREA FOR
- EVERY 150 SQUARE FEET OF ATTIC AREA. PROVIDE A CONTINUOUS 1 INCH MINIMUM AIR SPACE ABOVE INSULATION FOR CROSS VENTILATION. 10. ALL ATTIC VENTS SHALL BE PROVIDED WITH 1/4" NON-CORROSIVE WIRE MESH OR APPROVED SOFFIT VENTS

GLAZING NOTES

- 1. ALL GLAZING TO BE (2) PANE INSULATED GLASS OR BETTER UNLESS NOTED OTHERWISE.
- 2. SLIDING DOORS TO BE SAFETY GLASS, LAMINATED GLASS, OR TEMPERED GLASS.
- 3. SHOWER DOORS AND ENCLOSURES TO BE SAFETY GLASS, LAMINATED GLASS, OR TEMPERED GLASS.
- 4. REFER TO WINDOW SCHEDULE FOR ADDITIONAL REQUIREMENTS.
- 5. PROVIDE NATURAL LIGHT BY MEANS OF EXTERIOR GLAZED OPENINGS IN ACCORDANCE WITH SECTION R303.1 OR SHALL BE PROVIDED WITH ARTIFICIAL LIGHT IN ACCORDANCE WITH SECTION R303.1.

BATHROOM NOTES

- 1. WALL COVERINGS IN SHOWERS TO BE MOISTURE RESISTANT MATERIAL TO 72" (Minimum) ABOVE DRAIN INLET.
- 2. TOILET TO HAVE CLEAR SPACE OF 30" WIDE (Minimum) AND 24" CLEAR (Minimum) IN FRONT OF STOOL.

SHOP DRAWINGS

- 1. SHOP DRAWINGS ARE REVIEWED FOR DESIGN INTENT ONLY.
- 2. THE CONTRACTOR IS TO REVIEW AND APPROVE ALL SHOP DRAWINGS PRIOR TO SUBMITTING TO ARCHITECT OR STRUCTURAL ENGINEER.
- 3. SEE STRUCTURAL NOTES AND PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS AND CLARIFICATIONS REGARDING SHOP DRAWINGS.

FIRE PROTECTION

- LESS THAN THE FOLLOWING: DWELLING.
- GARAGE
- MEMBERS SUPPORTING THE FIRE SEPARATION.
- NEAR KITCHEN APPLIANCES.
- 6. A MINIMUM OF (1) SMOKE DETECTOR SHALL BE INSTALLED ON EACH FLOOR INCLUDING THE GARAGE.
- INTERVALS ALONG THE LENGTH OF THE WALL. (i.e. Soffits) RUN
- CLEAR OPEN WIDTH CLEAR OPEN HEIGHT CLEAR OPEN AREA SILL HEIGHT
- 12. APPLIANCE GENERATING A GLOW, A SPARK, OR FLAME MAY BE INSTALLED IN THE
- FLOOR. 13. GARAGE FLOOR TO BE CONSTRUCTED OF NON COMBUSTIBLE MATERIAL

(CONCRETE).

- OF COMBINATION SMOKE ALARM/CARBON MONOXIDE ALARM DEVICES IS ACCEPTABLE.
- DEPARTMENT FOR THESE HAZARDOUS ACTIVITIES. THIS INCLUDES DEMOLITION WORK

17. EGRESS, SEPARATION, FIRE PROTECTION SYSTEMS, AND EMERGENCY ACCESS

< A) 202 5 - T .O. WAL MATCHLINE DWG / SHEET DWG SHEET/

1. THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC BY NOT A. 5/8" GYPSUM WALLBOARD REQUIRED AT ALL WALLS SEPARATING GARAGE AND

B. NOT LESS THAN (1) LAYER OF 1/2" GYPSUM WALLBOARD AT CEILINGS, OR 5/8" TYPE "X" GYPSUM WALLBOARD IF THERE ARE HABITABLE ROOMS ABOVE THE

C. 1-3/8" MINIMUM THICK SOLID CORE OR HONEYCOMB CORE STEEL DOOR, OR A 20-MIN. FIRE-RATED DOOR, EQUIPPED WITH AN AUTOMATIC CLOSER. D. DUCTS PIERCING FIRE SEPARATION TO BE A MINIMUM OF 26 GAUGE, AND HAVE NO OPENINGS INTO THE GROUP "U" OCCUPANCY.

2. FIRE SEPARATION TO BE HORIZONTAL AND VERTICAL INCLUDING ALL STRUCTURAL

3. ALL ENCLOSED USEABLE SPACE UNDER STAIRWAYS SHALL BE (1) LAYER OF 5/8" TYPE 'X' GYPSUM WALLBOARD ON ENCLOSED SIDE.

4. SMOKE ALARMS SHALL MEET 2018 WASHINGTON FIRE CODE 907.2.11.2 AND MERCER ISLAND FIRE MARSHAL'S OFFICE "HOUSEHOLD FIRE ALARM STANDARD." SMOKE ALARMS SHALL BE HARDWIRED, PROVIDED A BATTERY BACKUP, AND INTERCONNECTED WITHIN EACH DWELLING UNIT. IN ORDER TO REDUCE THE CHANCES OF NUISANCE ACTIVATIONS, SMOKE ALARMS SHOULD NOT BE LOCATED

5. SMOKE DETECTORS SHALL BE AUDIBLE IN ALL SLEEPING ROOMS, AND OUTSIDE EACH SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.

7. FIRESTOPPING AND DRAFTSTOPPING SHALL CONSIST OF 2" NOMINAL LUMBER. 8. FIRESTOPPING AND DRAFTSTOPPING IS REQUIRED IN THE FOLLOWING PLACES: A. CONCEALED SPACES AT ALL FLOOR AND CEILING LEVELS AND AT 10 FOOT

B. INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES C. CONCEALED SPACES BETWEEN STAIR STRINGERS AT TOP AND BOTTOM OF THE

9. ROCK WOOL AROUND ALL OPENINGS FOR VENTS, PIPES, DUCTS, ETC. 10. EMERGENCY EGRESS WINDOWS SHALL MEET THE FOLLOWING REQUIREMENTS: 20" (Minimum)

> 24" (Minimum) 5.7 s.f. (Minimum) 44" (Maximum)

11. PREFABRICATED FIREPLACES SHALL BEAR U.L. OR I.C.B.O. SEAL OF APPROVAL AND SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS.

GARAGE PROVIDED THE HEATING ELEMENTS AND SWITCHES ARE 18" ABOVE THE

14. CARBON MONOXIDE ALARMS SHALL MEET 2018 WASHINGTON FIRE CODE 908.7. USE

15. NO STORAGE OR USE OF FLAMMABLE OR COMBUSTIBLE LIQUIDS, TORCH CUTTING OR WELDING OPERATIONS, OPEN FLAME WORK, GRINDING THAT PRODUCES SPARKS, ROOFING OPERATIONS, OR USE OF FLAMMABLE GAS FOR TEMPORARY HEATING OR DRYING SHALL BE CONDUCTED ON ANY CONSTRUCTION SITE WITHOUT FIRST HAVING OBTAINED A SPECIFIC PERMIT FROM THE MERCER ISLAND FIRE

16. IF THERE IS AN EXISTING UNUSED UNDERGROUND HEATING OIL TANK AT THE SITE IT SHALL BE DECOMMISSIONED AND REMOVED FROM THE SITE IN ACCORDANCE WITH THE 2018 WASHINGTON FIRE CODE CHAPTER 57. SUCH WORK SHALL ONLY BE CONDUCTED BY A CERTIFIED UNDERGROUND STORAGE TANK DECOMMISSIONER, AND MAY REQUIRE A MERCER ISLAND FIRE DEPARTMENT PERMI

SHALL MEET THE REQUIREMENTS OF 2018 WASHINGTON FIRE CODE CHAPTER 33 DURING CONSTRUCTION. CONTRACTOR MATERIALS AND ACTIVITIES SHALL NOT BLOCK ACCESS TO OR EGRESS FROM ANY BUILDING WHILE THE BUILDING IS OCCUPIED. CONTRACTOR MATERIALS AND ACTIVITIES SHALL NOT BLOCK ACCESS. OR IMPAIR FIRE SEPARATION IN THE ADJACENT AREAS. THIS INCLUDES DEMOLITION WORK AND ALSO APPLIES TO NEIGHBORING AREAS, SPACES, AND BUILDINGS.

-	_	-	-	-	-

DRAWING LEGEND							
SYMBOL	DESCRIPTION	REMARKS					
2	WINDOW SYMBOL	SEE WINDOW SCHEDULE					
A	DOOR SYMBOL	SEE DOOR SCHEDULE					
202	ROOM NUMBER						
5	GRID LINE						
- 🔶 - T .O. WALL 27' - 4"	VERTICAL DATUM POINT						
MATCHLINE DWG / SHEET	MATCHLINE						
DWG SHEET	SECTION CUT REFERENCE	SEE SECTION SHEETS					
DWG # DWG # SHEET DWG # DWG #	INTERIOR / EXTERIOR ELEVATION REFERENCE	SEE ELEVATION SHEETS					
DWG SHEET	DETAIL REFERENCE	SEE DETAIL SHEETS					
SA	SMOKE ALARM	SEE A-1.1 GENERAL NOTES, FIRE PROTECTION SECTION					
SAICO	SMOKE ALARM AND CARBON MONOXIDE DETECTOR	SEE A-1.1 GENERAL NOTES, FIRE PROTECTION SECTION					
00 CFM	EXHAUST FAN	EXHAUST VENTS MUST TERMINATE AT THE EXTERIOR OF THE STRUCTURE, WITH CLEARANCES PER SECTION M1506.2					
	WALL	EXTERIOR WALLS • 2X6 STUDS PER STRUCT. • 5/8" GWB @ INTERIOR INTERIOR WALLS • 2X6 STUDS U.N.O. • 5/8" GWB @ EA. SIDE					
	ENHANCED ACUSTIC WALL	 STAGGERED 2X4 STUDS @ 24" O.C. ON 2X6 SILL PLATE W/ CONT. WOVEN ROCK WOOL SOUND BATTS (2) LAYERS OF 5/8" GWB @ EA. SIDE, W/ OFFSET JOINTS 					
	ACOUSTIC WALL	 (2) LAYERS OF 5/8" GWB, FACING NOISE-PRODUCING ROOM, W/ OFFSET JOINTS STAGGERED 2X4 STUDS @ 24" O.C. ON 2X6 SILL PLATE W/ CONT. WOVEN ROCK WOOL SOUND BATTS (1) LAYER OF 5/8" GWB 					
	FOUNDATION WALL	CONC. WALL PER STRUCT.					

ABBREVIATION LIST

ADDT

AD.I

AFF

AI T

AGG

ALUM

APPR

ARCH

ASPH

BLDG

BI K

BOF

BOW

BRG

BSMT

BTWN

BUR

CAB

CAP

CB

CIP

CLG

CLR

CMU

COL

CONC

CONST

CONTR

CONT

CPT

CRV

CSMT

DIAG

DW

DWG

DWR

FLEC

ELEV

ENCL

ENG

EQUIP

EXIST

FW

EXT

FB

FIN

FLASH

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FLR

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FO

FOC

FOF

FOS

FTG

GAL

GFI

GLB

GWB

GYP

HE

HDR

HDWD

HDWR

HGR

HORZ

HT

ID

IDS

INT

INSUL

HWT

GR

GALV

GA

FRMG

CT

CNTR

CLKG

CATV



BOARD **BELOW** BUILDING BLOCKING REAM BY OTHERS

BOTTOM OF BOTTOM OF FOOTING BOTTOM BOTTOM OF WALL BFARING BASEMENT

BETWEEN BUILT UP ROOFING CABINET CAPACITY

CABLE TELEVISION CATCH BASIN CAST IN PLACE CONTROL JOINT CENTER LINE

CEILING CAULKING CI FAR CONCRETE MASONRY UNIT CENTER CLEAN OUT COLUMN CONCRETE CONSTRUCTION

CONTINUOUS CONTRACTOR CARPET CONTINUOUS RIDGE VENT CASEMENT CERAMIC TILE CUBIC YARD

DFFF DRYER DOUBLE DIAMETER DIAGONAL DIMENSION DOWN

PENNY

DOOR DOWNSPOUT (EXTERIOR) DETAIL DISHWASHER DRAWING DRAWER

FAST

EACH EXPANSION JOIN ELEVATION FI FCTRIC ELEVATION ENCLOSURE ENGINEER EQUAL EQUIPMENT EACH WAY EXISTING EXTERIOR

FLAT BAR FLOOR DRAIN **FINISH FLOOR** FINISH FLASHING FLOOR FLUORESCENT FOUNDATION FACE OF FACE OF CONCRETE FACE OF FINISH

FACE OF STUD FRAMING FOOT/FEET FOOTING GAUGE

GALLON GALVANIZED GROUND FAULT INTERRUPTE GLASS GLUE LAMINATED BEAM GRADE GYPSUM WALL BOARD GYPSUM

HEIGHT HOSE BIBB HOLLOW CORI HEAVY DUTY HEADER HARDWOOD HARDWARE HANGER HORIZONTAL HOUR HEIGH. HOT WATER TANK

INTERIOR DOWNSPOUT INCH INSULATION INTERIOR JOIST

INSIDE DIAMETER

JOINT

KILN DRIED LAMINATED POUNDS

KD

LAM

LTG

MATL

MAX

MB

MC

MECH

MEMB

MFR

MIN

MIR

NA

MISC

MTL

NFVA

NIC

NOM

NTS

OBSC

OC

OD

OD

OPNG

OPP

PBD

PFRF

PH

PERP

PI AM

POL

PR

PSF

PSI

PTD

QTY

RFF

R.J

RM

RO

SB

SCHED

SHMTI

SHTHG

SPECS

SS STL

STD

STL

SV

SYM

TEL

TEMP

TEMP

T&G

THK

то

TOP

TOS

TOW

TYP

UNO

VCT

VTE

VER

VERT

VG

W/C

WC

WD

WR

WS

WΤ

WWM

ΤV

STOR

STRUC

SIM

SQ

SS

REINF

REQD

PLYWD

NO

LINEAL FOOT LEFT HAND LIVE LOAD LIGHT LIGHTING

MATERIAL MAXIMUM MACHINE BOLT MEDICINE CABINET MECHANICAL MEMBRANE MANUFACTURER MINIMUM MIRROR MISCELLANEOUS METAL

NORTH NOT APPLICABLE NET FREE VENT AREA NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE

OVER OBSCURE ON CENTER OUTSIDE DIAMETER OVERFLOW DRAIN OVERHEAD OPENING OPPOSITE

PARTICLE BOARD PERFORATED PERPENDICULAR PAPER HOLDER PI ATF PROPERTY LINE PLASTIC LAMINATE PLYWOOD POLISHED

PAIR

QUANTITY

POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED PAINTED QUARRY TILE

RADIUS RISFR ROOF DRAIN REFRIGERATOR REINFORCING REQUIRED **RIGHT HAND** ROOF JACK/VENT ROOM ROUGH OPENING RIDGE VENT

SOUTH SETBACK SAND BLAST SOLID CORE SCHEDULE SQUARE FOOT SHEET METAL SHEATHING SIMILAR SPECIFICATIONS SQUARE STAINLESS STAINLESS STEEL STANDARD STEEL STORAGE

STRUCTURAL SOFFIT VENT SYMBOL TREAD

TELEPHONE TEMPERED TEMPERATURE TONGUE AND GROOVE THICK TOP OF TOP OF PLATE

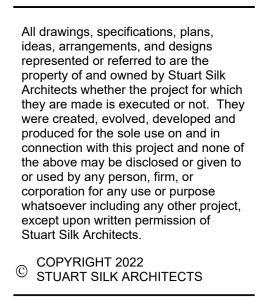
TOP OF SLAB TOP OF WALL **TELEVISION** TYPICAL UNLESS NOTED OTHERWISE

VINYL COMPOSITION TILE VENTED TO EXTERIOR VERIFY VERTICAL VERTICAL GRAIN

WEST WATT WIDTH WITH WITHOUT WATER CLOSET WOOD WATERPROOF WATER RESISTANT WOOD SCREW WEIGH WELDED WIRE MESH

YARD

MATERIAL SYMBOL LEGEND							
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION				
	EARTH / COMPACT FILL		ROUGH WOOD FRAMING				
	GRAVEL / POROUS FILL		WOOD BLOCKING				
	CONCRETE		PLYWOOD				
	CMU / BRICK / STONE VENEER		FINISH WOOD				
	GYPSUM WALL BOARD / PLASTER WALL		BATT INSULATION				
	STEEL OR OTHER METAL		RIGID INSULATION				
	NATURAL STONE						



3257 REGISTERED ARCHITECT A (AAA STUART NAYLOR SILK STATE OF WASHINGTON

DESIGN DRAWN CHECKED SHEET ISSUE DATE 03/07/22 DRAWING SETS PRE-APPLICATION 09/23/21

PERMIT 03/07/22

REVISIONS

DATE DESCRIPTION 07/29/22 PERMIT REVISIONS 09/21/22 PERMIT REVISIONS

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MERCER ISLAND,

PERMIT NO. 2203-116

WA 98040

A-1.1 PLOT DATE: 11/21/2022 12:56:39 PM

CONSTRUCTION SET

GENERAL NOTES









3257 REGISTERED ARCHITECT STUART NAYLOR SILK STATE OF WASHINGTON

DESIGN	SNS, ESH					
DRAWN	ESH					
CHECKED	ANC					
SHEET ISSUE DATE	03/07/22					
DRAWING SETS						
PRE-APPLICATION 09/23/21						

PERMIT 03/07/22

DATE DESCRIPTION 07/29/22 PERMIT REVISIONS 09/21/22 PERMIT REVISIONS

Architects

2400 N. 45th Street

Seattle, WA 98103

BRINDLEY

RESIDENCE

7810 - 79TH AVE. SE

PERMIT NO. 2203-116

MERCER ISLAND,

WA 98040

WWW.STUARTSILK.COM

Stuart Silk

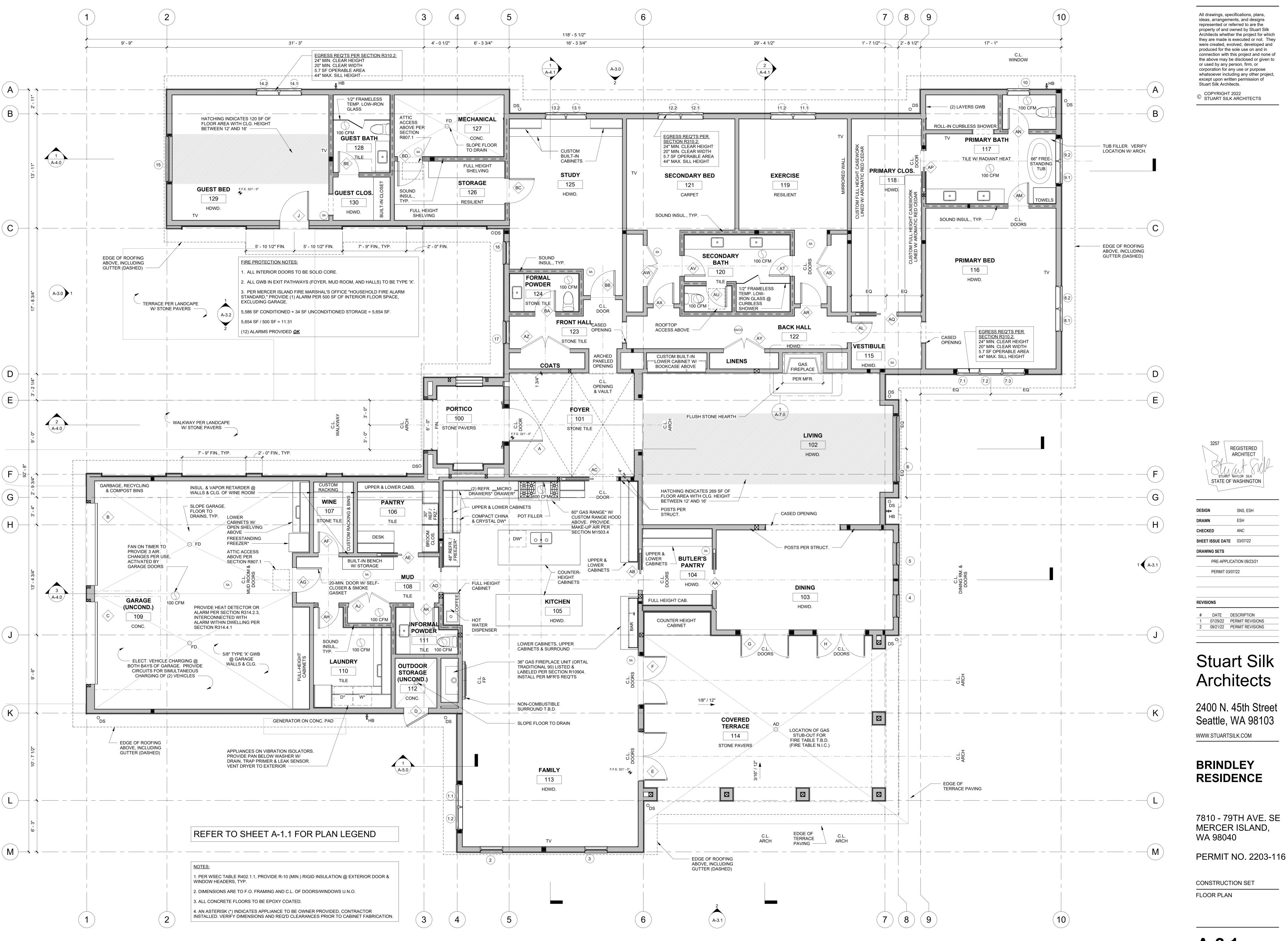
REVISIONS

A-1.2

CONSTRUCTION SET

ARCHITECTURAL SITE PLAN

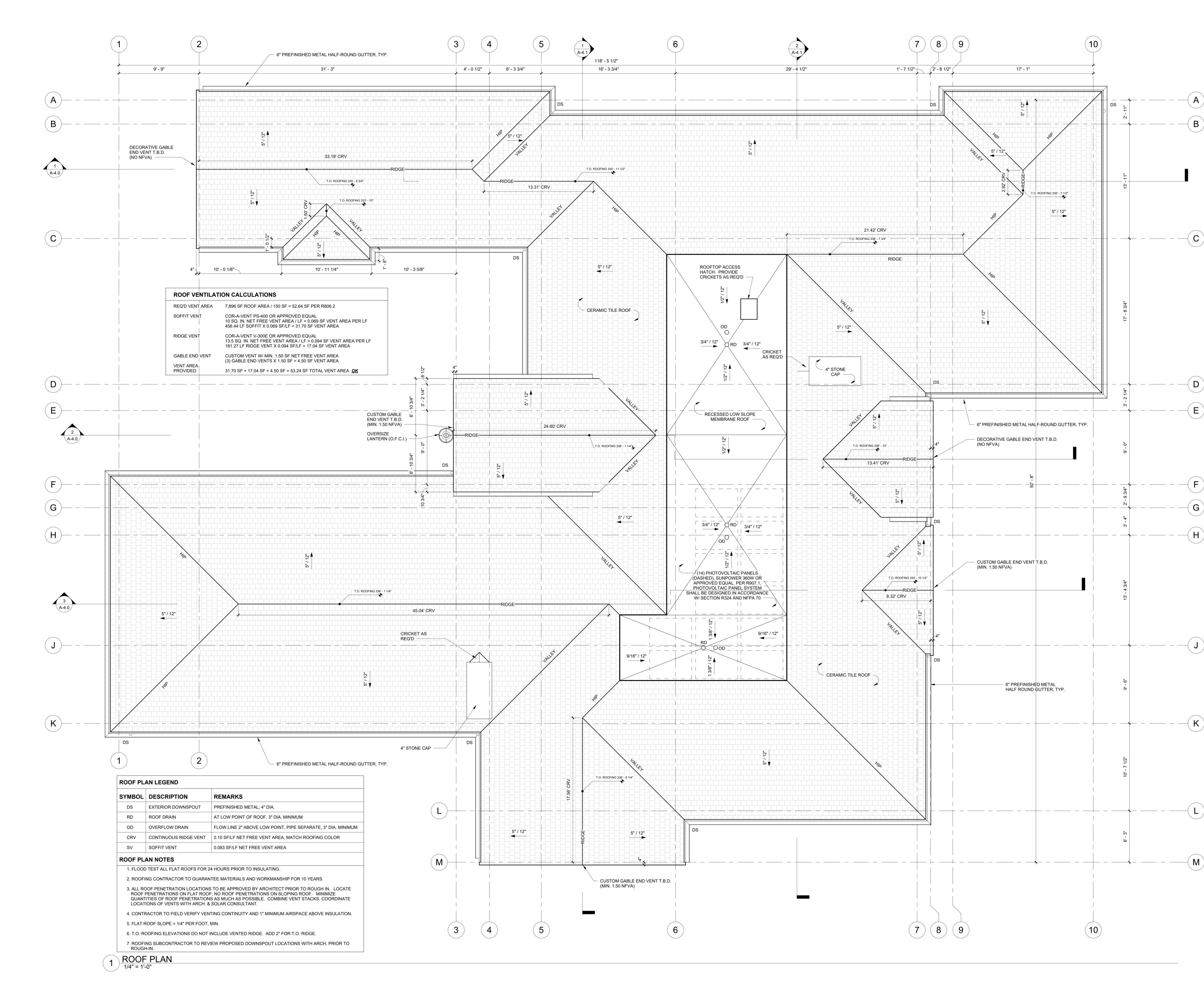
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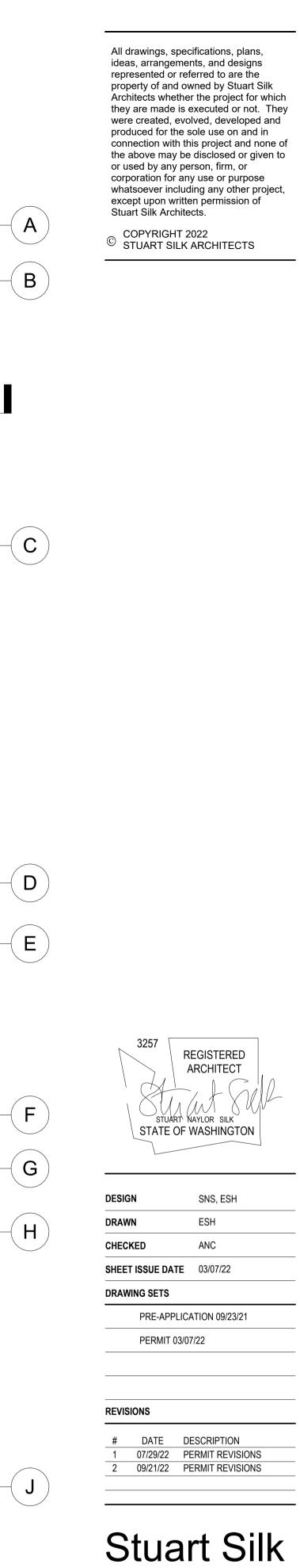


1 MAIN FLOOR PLAN 1/4" = 1'-0"



PLOT DATE: 11/21/2022 12:56:43 PM





—(**K**)

-(M)

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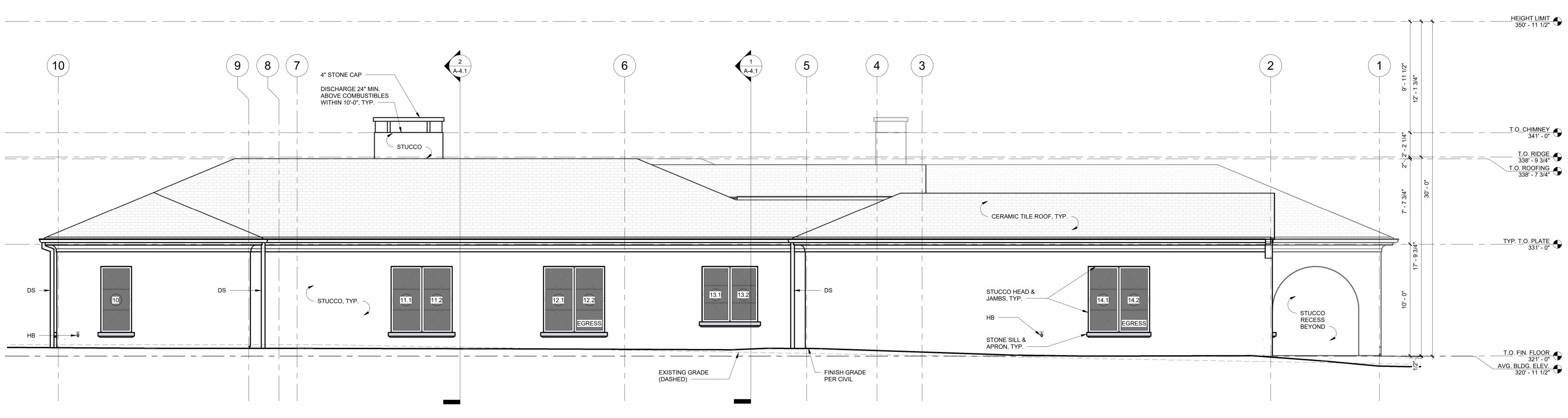
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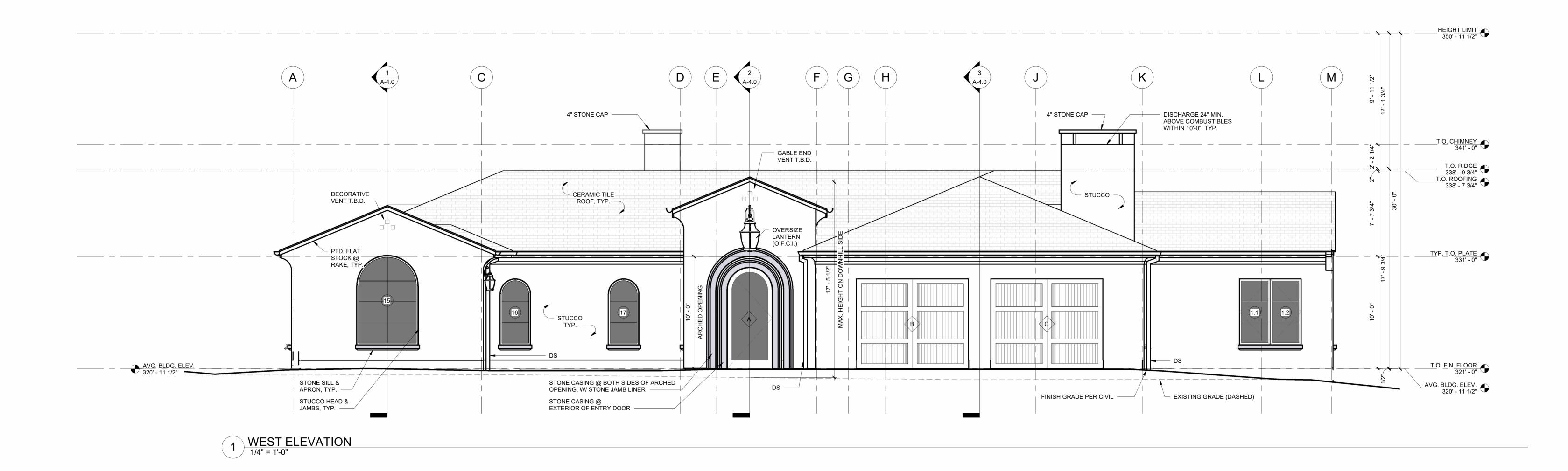
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CONSTRUCTION SET ROOF PLAN



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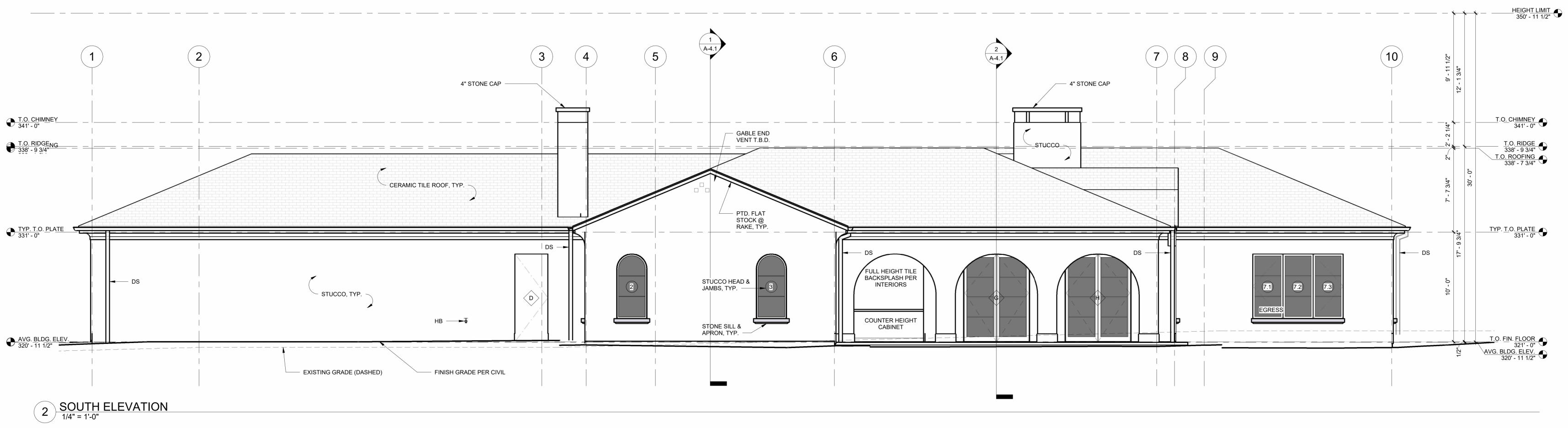
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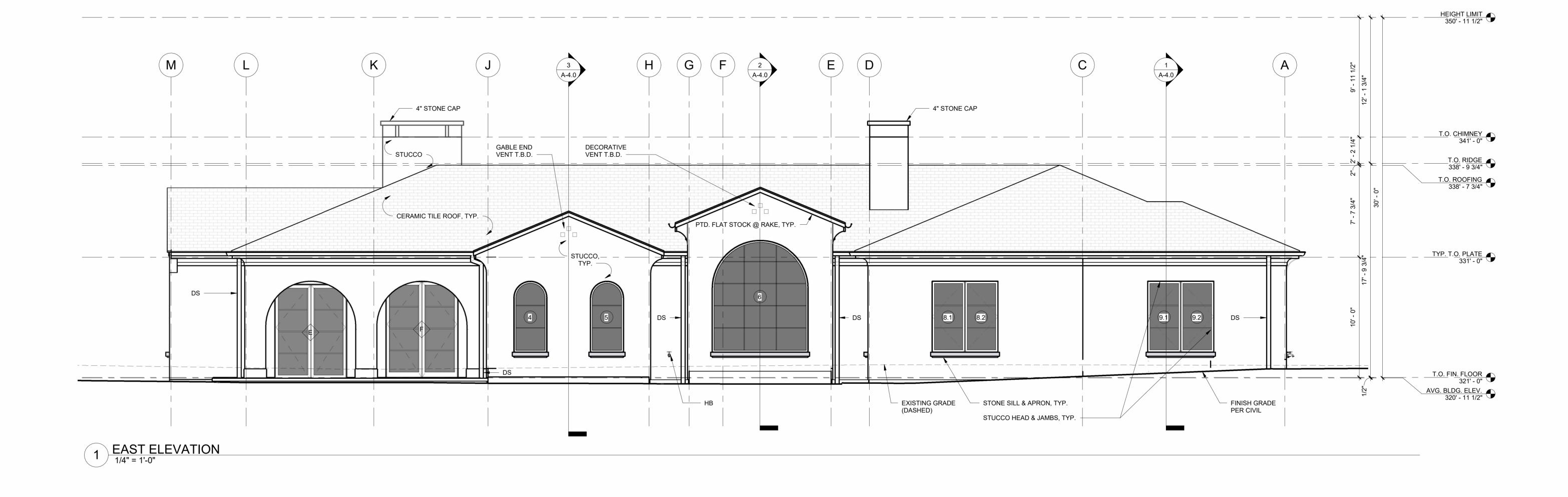
EXTERIOR ELEVATIONS WEST & NORTH

A-3.0

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CONSTRUCTION SET







3257 REGISTERED ARCHITECT STUART NAYLOR SILK STATE OF WASHINGTO

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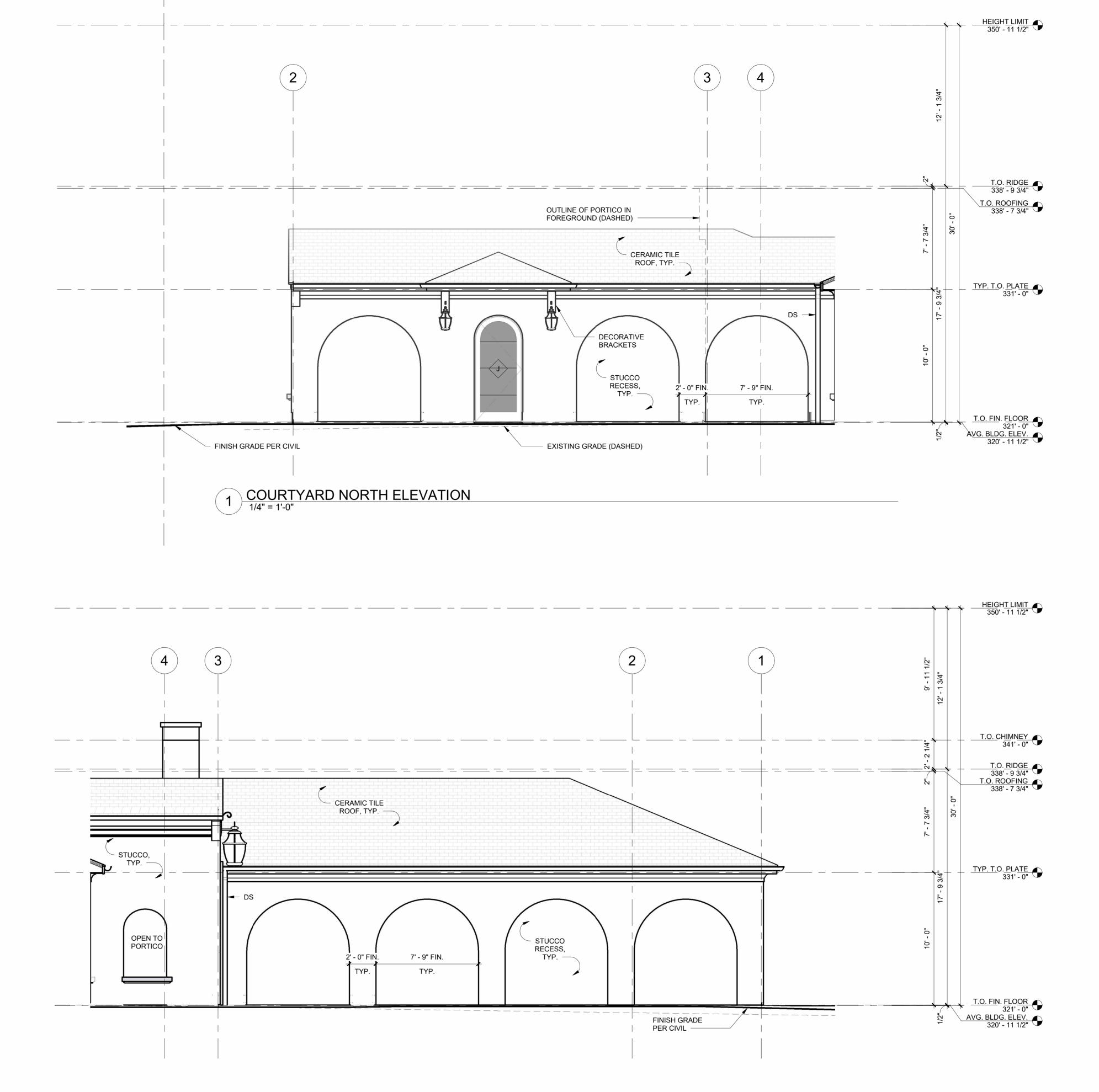
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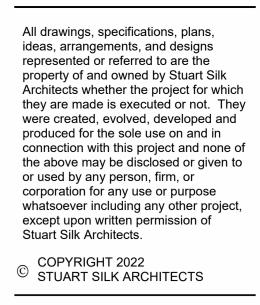
CONSTRUCTION SET EXTERIOR ELEVATIONS EAST & SOUTH



PLOT DATE: 11/21/2022 12:57:00 PM



2 COURTYARD SOUTH ELEVATION 1/4" = 1'-0"



3257 REGISTERED ARCHITECT STUART NAYLOR SILK

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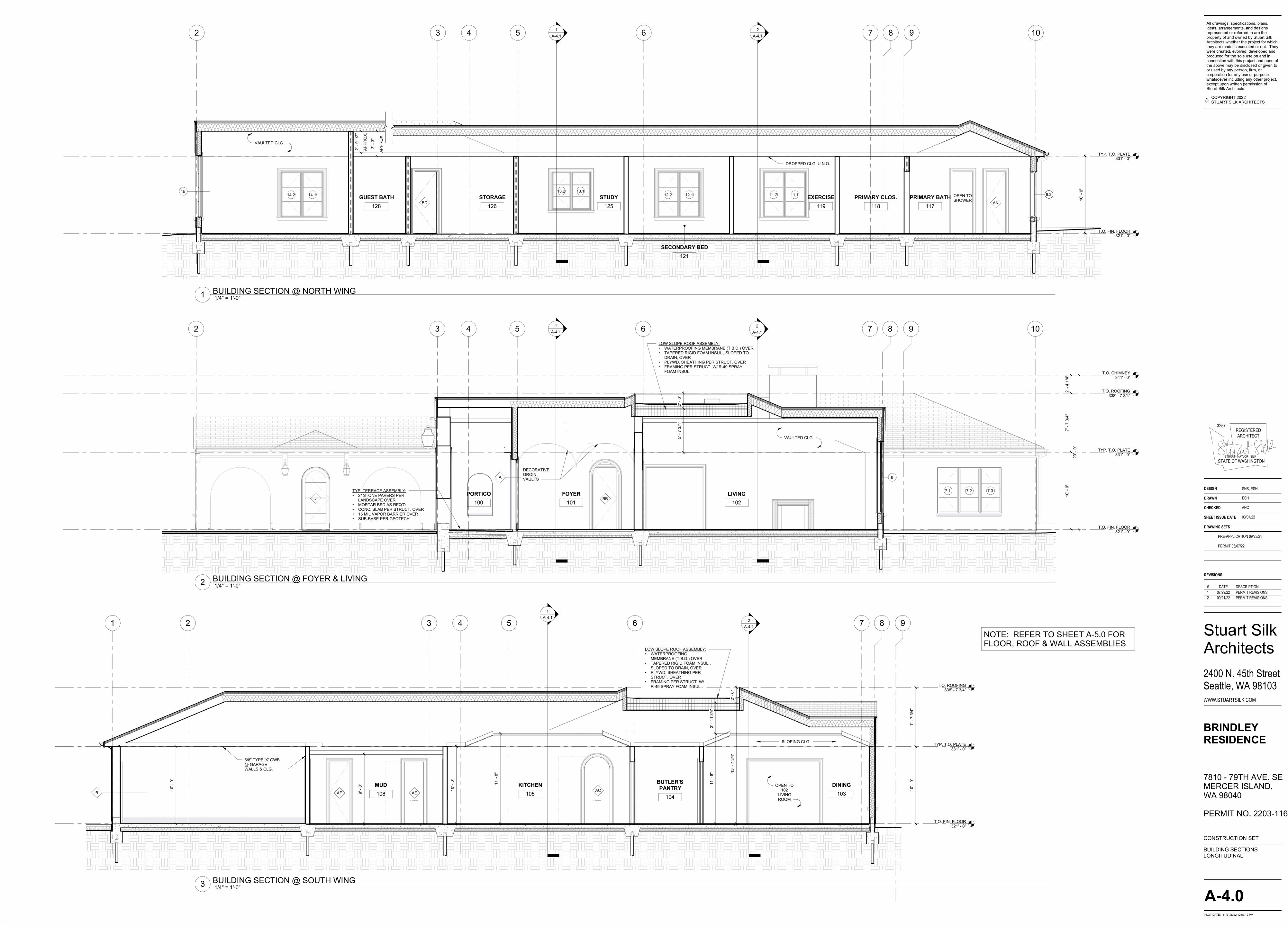
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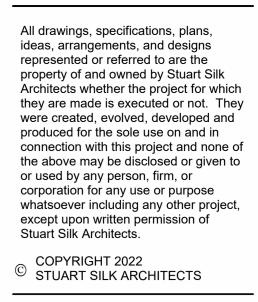
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CONSTRUCTION SET

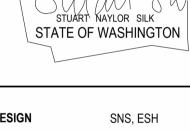
EXTERIOR ELEVATIONS MISCELLANEOUS

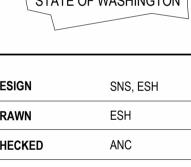


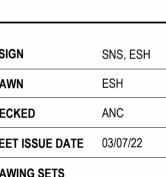


3257 REGISTERED ARCHITECT Λ STATE OF WASHINGTON

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Seattle, WA 98103

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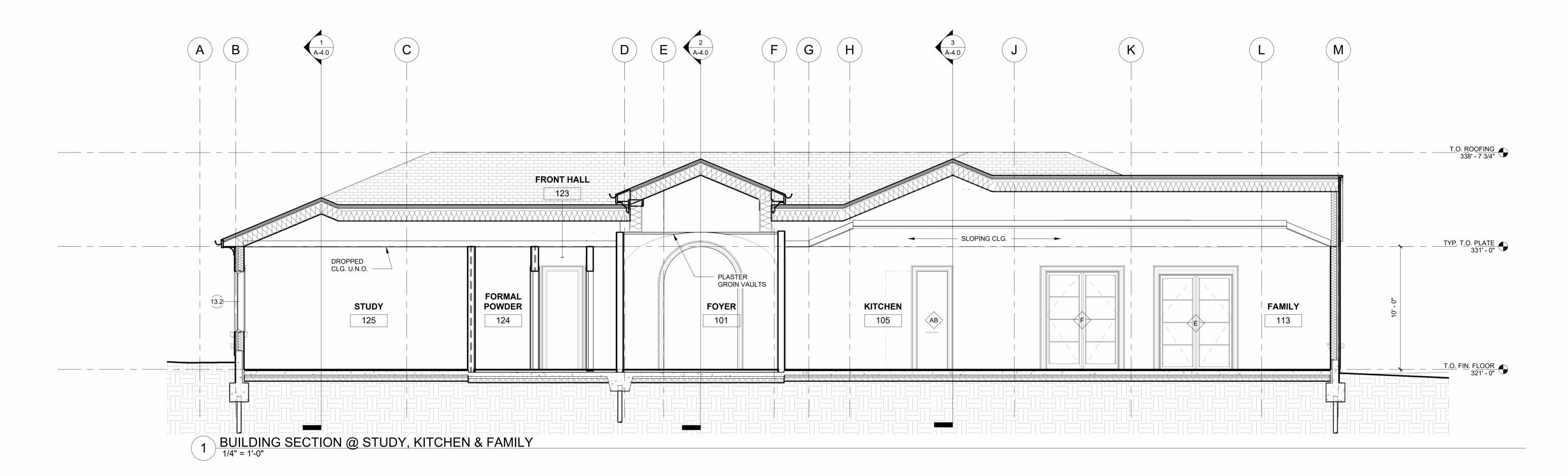
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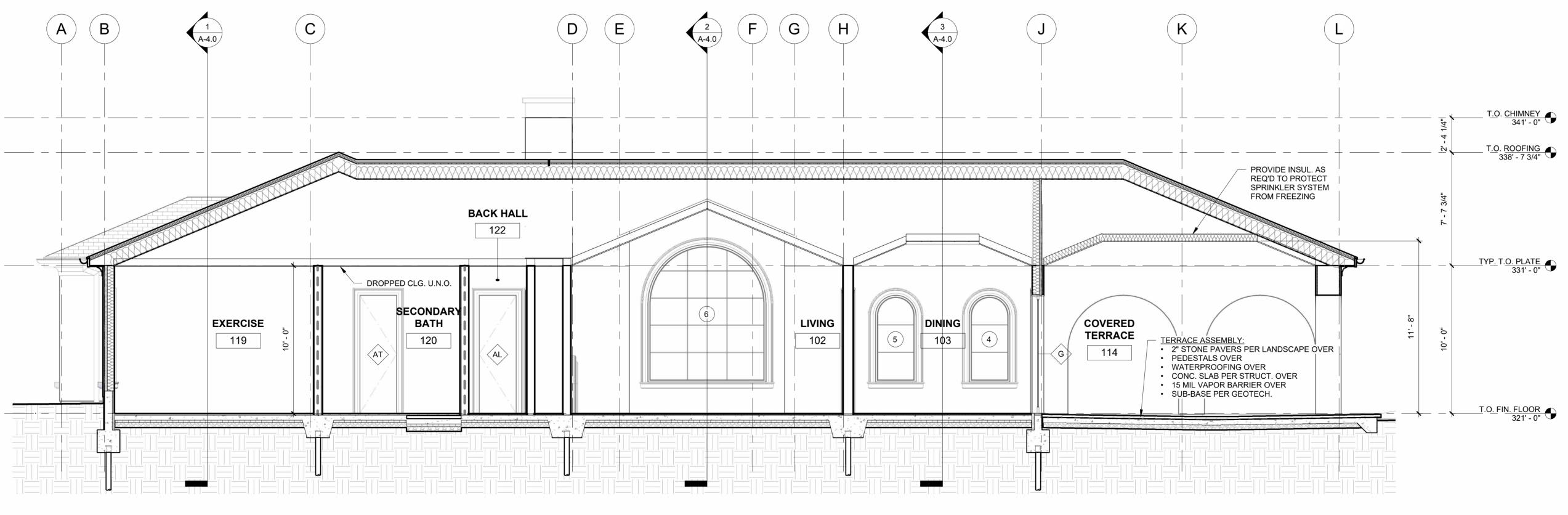
REVISIONS

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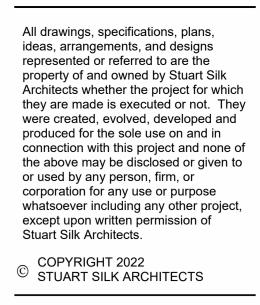
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2 BUILDING SECTION @ LIVING, DINING & COVERED TERRACE

NOTE: REFER TO SHEET A-5.0 FOR FLOOR, ROOF & WALL ASSEMBLIES



3257 REGISTERED ARCHITECT STUART NAYLOR SILK STATE OF WASHINGTON

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REVISIONS

BUILDING SECTIONS TRANSVERSE

CONSTRUCTION SET

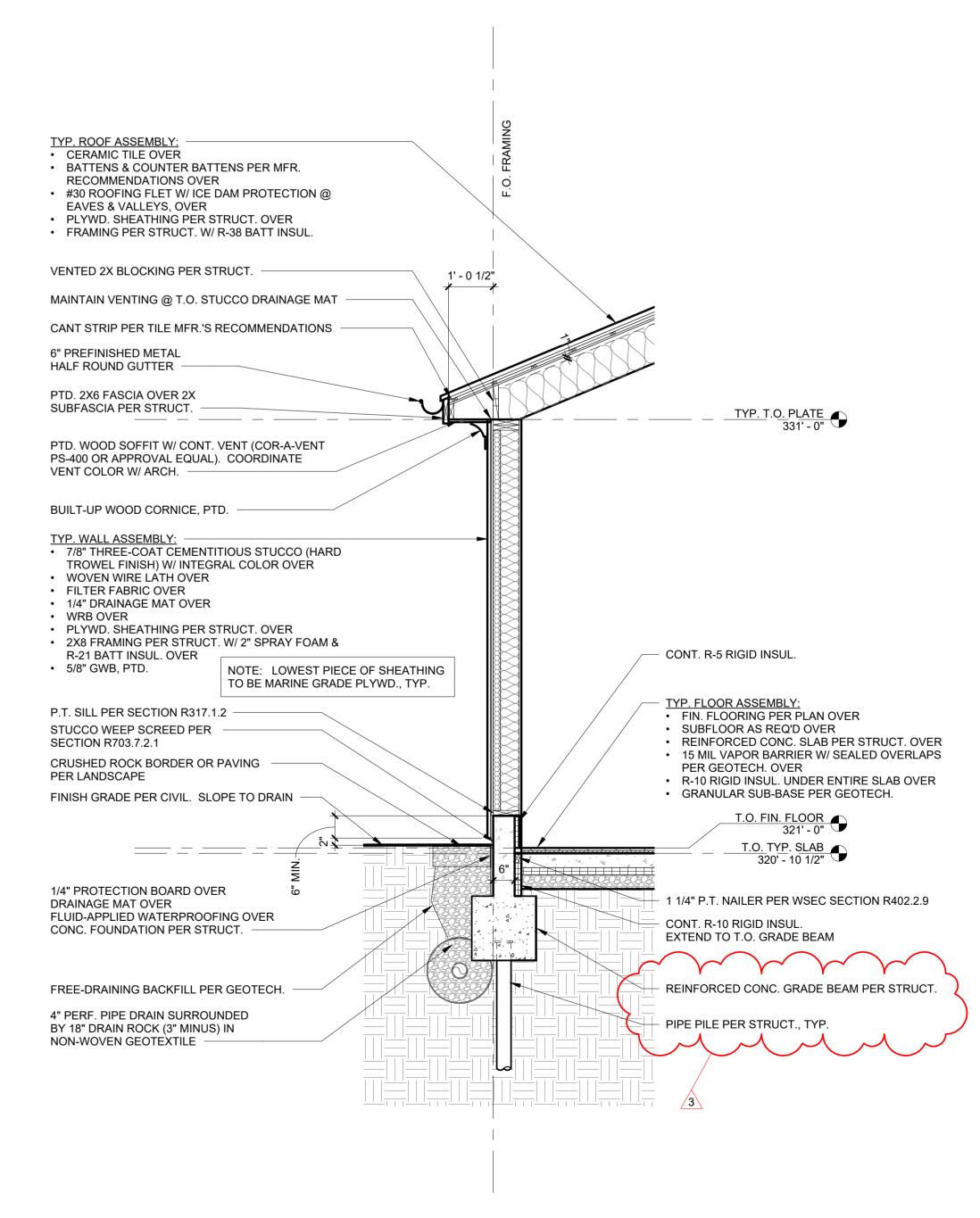


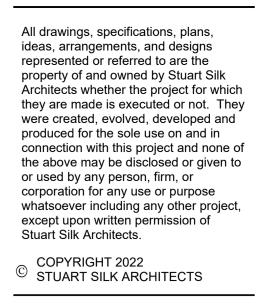
PLOT DATE: 11/21/2022 12:57:17 PM

STUCCO NOTES:

1. STUCCO ASSEMBLY SHALL CONSIST OF THREE COATS OF LAHABRA "SANTA BARBARA," MISSION FINISH, OVER WOVEN WIRE LATH. COLOR T.B.D.

2. INSTALL LATH IN ACCORDANCE WITH SECTION R703.7.1. 3. INSTALL STUCCO IN ACCORDANCE WITH SECTION R703.7 AND WITH MANUFACTURER'S RECOMMENDATIONS. 4. PROVIDE MOCK-UP OF STUCCO ASSEMBLY FOR APPROVAL BY ARCH. & OWNER.



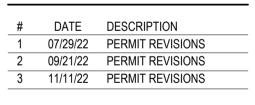


3257 REGISTERED ARCHITECT $\land \frown$ (IN/IN) A STUART NAYLOR SILK STATE OF WASHINGTON

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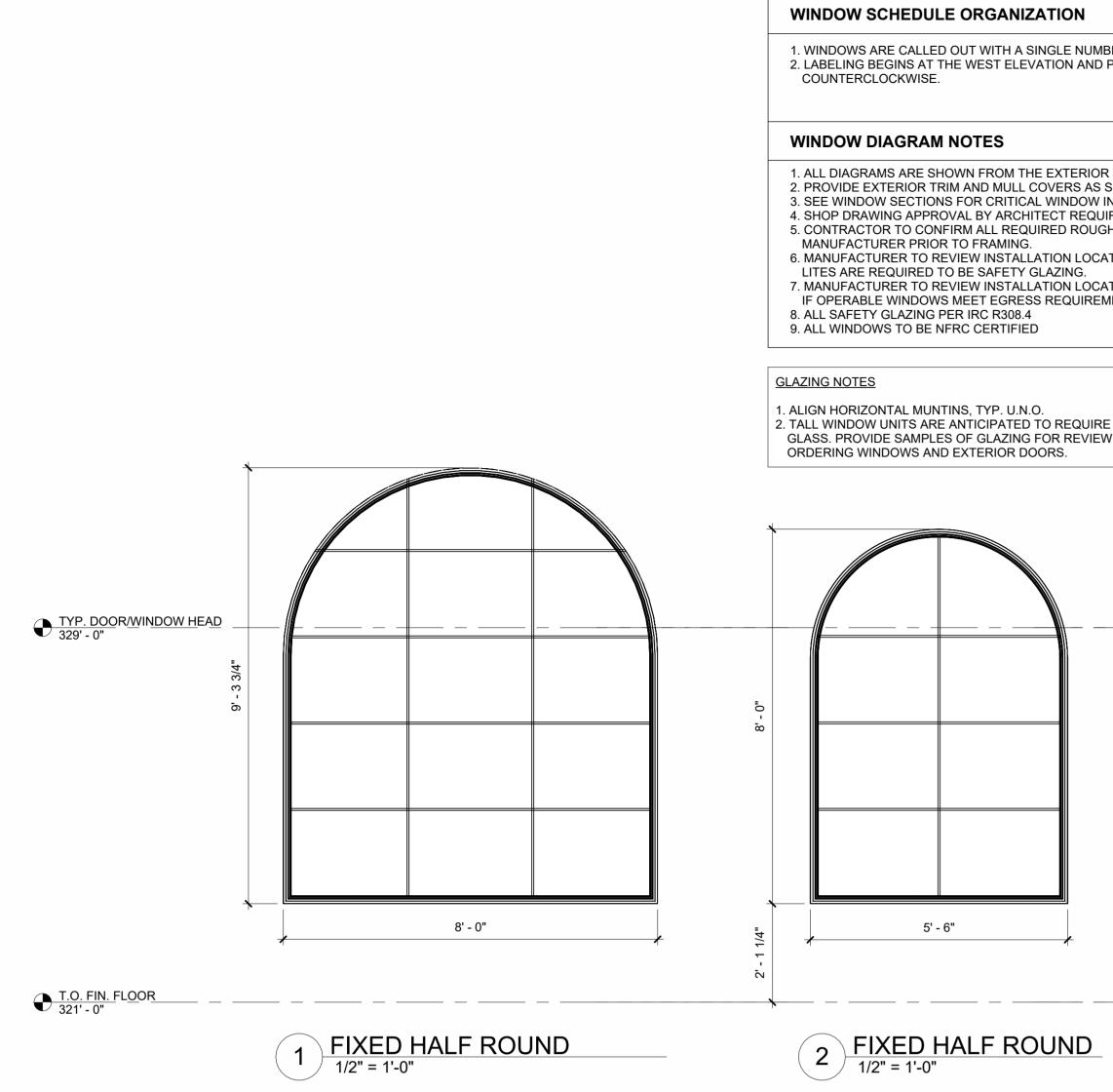
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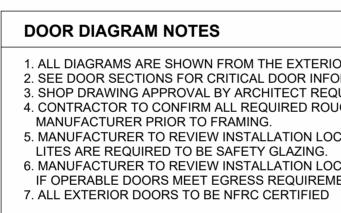
PERMIT NO. 2203-116

CONSTRUCTION SET WALL SECTIONS



PLOT DATE: 11/21/2022 12:57:17 PM





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2' - 9"

5' - 6"

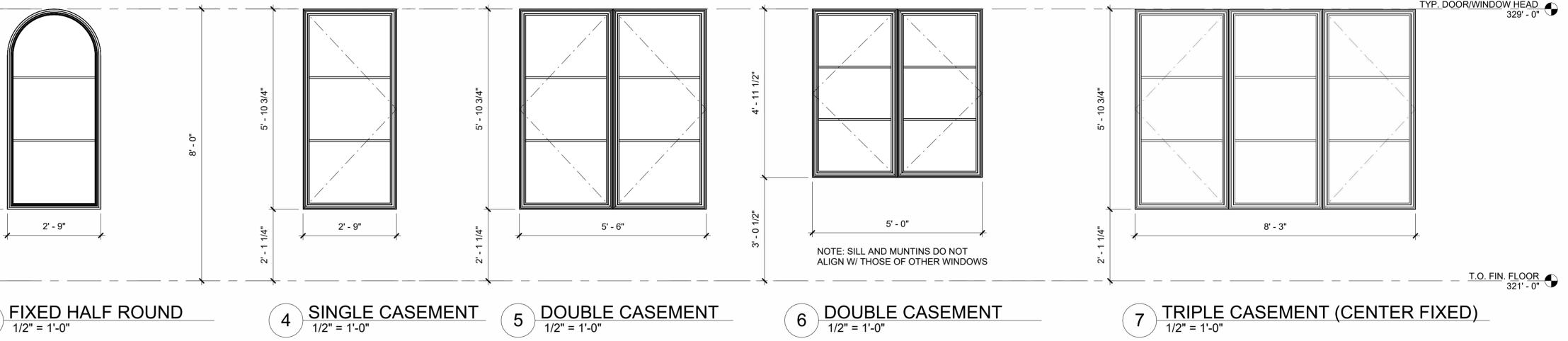
1. ALL DIAGRAMS ARE SHOWN FROM THE EXTERIOR SIDE. 2. SEE DOOR SECTIONS FOR CRITICAL DOOR INFORMATION. 3. SHOP DRAWING APPROVAL BY ARCHITECT REQUIRED PRIOR TO FABRICATION. 4. CONTRACTOR TO CONFIRM ALL REQUIRED ROUGH OPENING SIZES WITH MANUFACTURER PRIOR TO FRAMING. 5. MANUFACTURER TO REVIEW INSTALLATION LOCATIONS AND DETERMINE WHICH LITES ARE REQUIRED TO BE SAFETY GLAZING. 6. MANUFACTURER TO REVIEW INSTALLATION LOCATIONS AND SIZES TO DETERMINE IF OPERABLE DOORS MEET EGRESS REQUIREMENTS.

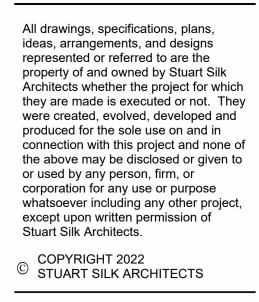
2' - 9"

3 FIXED HALF ROUND 1/2" = 1'-0"

DOOR SCHEDULE - EXTERIOR											
MADK	DOOM #		DESCRIPTION	DIACDAM		UFICUT	HEAD		JAMB		COMMENTS
MARK	ROOM #	ROOM NAME	DESCRIPTION	DIAGRAM	WIDTH	HEIGHT	DTL.	SILL DTL.	DTL.	U VALUE	
A	101	FOYER	SINGLE INSWING		48"	108"				0.28	CUSTOM ARCHED METAL DOOR W/ SAFETY GLAZING
В			OVERHEAD		120"	96"					W/ OPENER
С			OVERHEAD		120"	96"					W/ OPENER
D			SINGLE OUTSWING		36"	96"					
E	113	FAMILY	DOUBLE OUTSWING		72"	96"				0.28	SAFETY GLAZING
F	113	FAMILY	DOUBLE OUTSWING		72"	96"				0.28	SAFETY GLAZING
G	103	DINING	DOUBLE OUTSWING		72"	96"				0.28	SAFETY GLAZING
Н	103	DINING	DOUBLE OUTSWING		72"	96"				0.28	SAFETY GLAZING
J			SINGLE INSWING		42"	96"				0.28	SAFETY GLAZING

MARK	ROOM #	ROOM NAME	DESCRIPTION	DIAGRAM	WIDTH	HEIGHT	HEAD DTL.	SILL DTL.	JAMB DTL.	COMMENTS
AA	103		SINGLE POCKET	DIAGRAM	30"	96"			DIL.	COMMENTS
AB	103	BUTLER'S PANTRY	SINGLE POCKET		30"	96"				
AC	104	KITCHEN	SINGLE POCKET		40"	104"				ARCHED HEAD
AD	103	MUD	SINGLE POCKET		36"	96"				
AE	100	PANTRY	SINGLE POCKET		30"	96"				
AF	100	MUD	SINGLE HINGED		30"	96"				W/ DECORATIVE GLASS LIGHT
AG	100		SINGLE HINGED		36"	96"				20-MIN. DOOR W/ SELF CLOSER
AH	110	LAUNDRY	SINGLE HINGED		30"	96"				
AJ	108	MUD	DOUBLE HINGED		60"	96"				
AK	111	INFORMAL POWDER	SINGLE HINGED		30"	96"				
AL	115	VESTIBULE	SINGLE HINGED		30"	96"				
AM	117	PRIMARY BATH	SINGLE HINGED		30"	96"				
AN	117	PRIMARY BATH	SINGLE HINGED		30"	96"				
AP	118	PRIMARY CLOS.	SINGLE POCKET		30"	96"				
AQ	118	PRIMARY CLOS.	SINGLE POCKET		30"	96"				
AR	119	EXERCISE	SINGLE HINGED		30"	96"				
AS	119	EXERCISE	DOUBLE HINGED		60"	96"				
AT	120	SECONDARY BATH	SINGLE HINGED		30"	96"				
AU	120	SECONDARY BATH	SINGLE HINGED		30"	96"				
AV	120	SECONDARY BATH	SINGLE HINGED		30"	96"				
AW	121	SECONDARY BED	DOUBLE HINGED		60"	96"				
AX	121	SECONDARY BED	SINGLE HINGED		30"	96"				
AY	122	BACK HALL	DOUBLE HINGED		60"	96"				
AZ	123	FRONT HALL	DOUBLE HINGED		72"	96"				
BA	124	FORMAL POWDER	SINGLE HINGED		30"	96"				
BB	125	STUDY	SINGLE HINGED		36"	96"				
BC	126	STORAGE	SINGLE HINGED		36"	96"				
BD	127	MECHANICAL	SINGLE HINGED		36"	96"				PROVIDE SOUND GASKETING
BE	128	GUEST BATH	SINGLE HINGED		30"	96"				





TYP. DOOR/WINDOW HEAD 329' - 0"

3257 REGISTERED ARCHITECT $\land \bigcirc$ $\Lambda \Lambda (\Lambda \Lambda)$ STUART NAYLOR SILK STATE OF WASHINGTON

SNS, ESH ESH ANC SHEET ISSUE DATE 03/07/22 PRE-APPLICATION 09/23/21

DESIGN

DRAWN CHECKED DRAWING SETS

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Architects

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CONSTRUCTION SET

DOOR & WINDOW SCHEDULES

A-6.0

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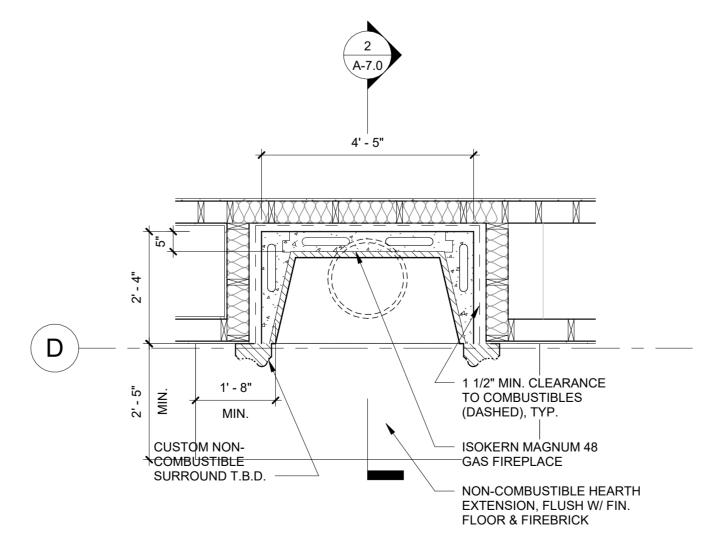
REVISIONS

PERMIT 03/07/22

- OPENING.

- 6. TEST BURN FIREPLACE FOR 2 HOURS.
- 9. SEE STRUCT. DRAWINGS FOR ADDITIONAL REQUIREMENTS.

1 FIREPLACE PLAN - LIVING 102 1/2" = 1'-0"



10. MASON SHALL REVIEW FIREPLACE LAYOUT DIMENSIONS AND CONSTRUCTION AND SHALL PROVIDE RECOMMENDATIONS TO ACHIEVE OPTIMAL PERFORMANCE.

7. PROVIDE 10 SQUARE INCHES OF EXTERIOR COMBUSTION AIR TO FIREBOX. 8. SUB GAS LINE TO FIREBOX. FIELD LOCATE SHUTOFF VALVE WITH ARCH. & OWNER.

NO COMBUSTIBLE MATERIAL WITHIN 12" OF FIREPLACE OPENING SHALL PROJECT MORE THAN 1/8" FOR EACH 1" OF CLEARANCE FROM THE OPENING.

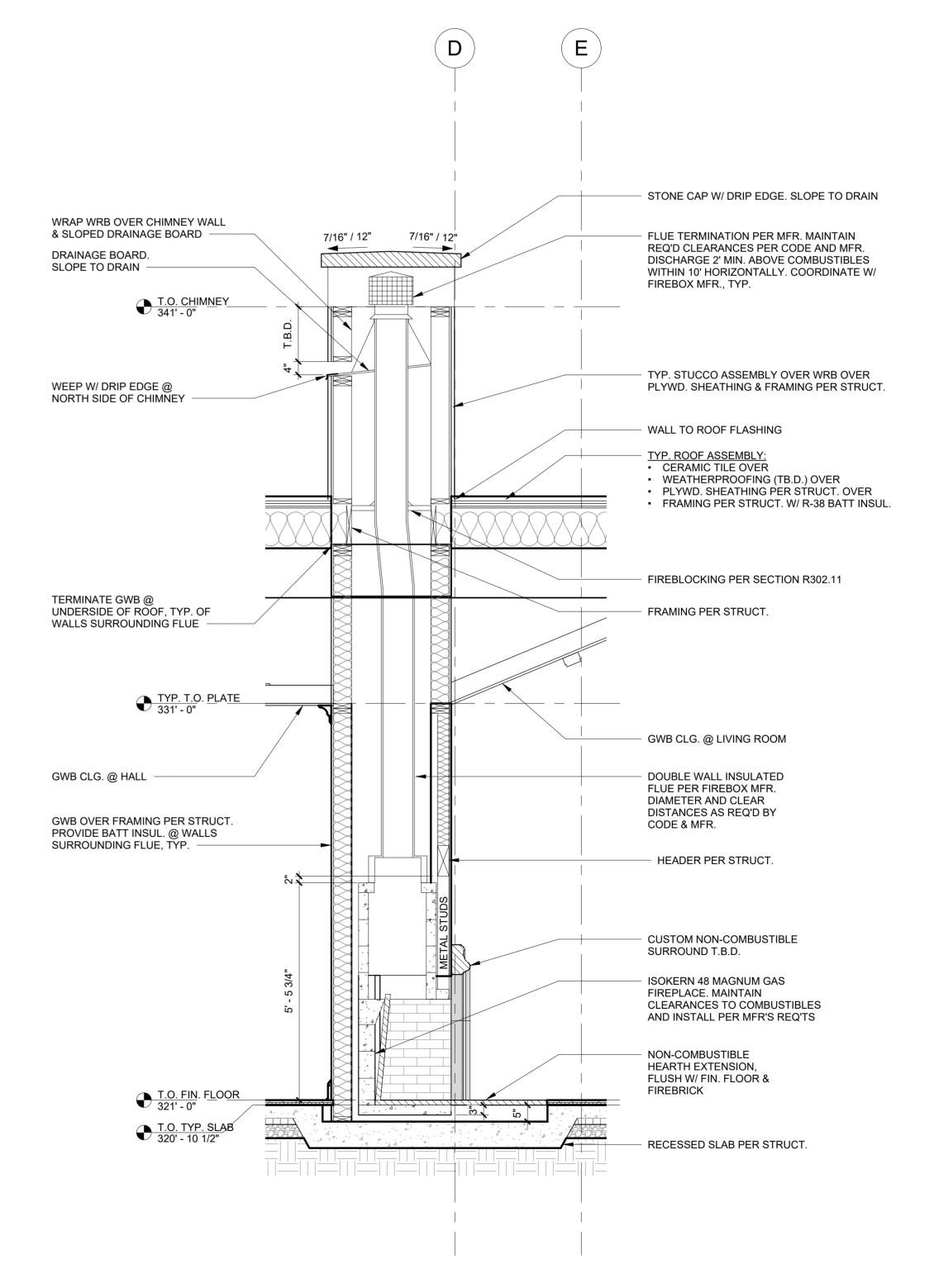
4. NON-COMBUSTIBLE OUTER HEARTH TO EXTEND 12" MIN. BEYOND EACH SIDE OF FIREPLACE OPENING. SEE DRAWINGS FOR CRITICAL ALIGNMENTS. 5. NO COMBUSTIBLE MATERIAL SHALL BE PLACED WITHIN 8" OF FIREPLACE OPENING.

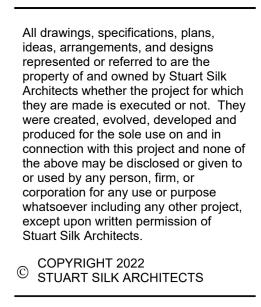
2. MAINTAIN 2" CLEAR TO COMBUSTIBLES THROUGHOUT. 3. NON-COMBUSTIBLE OUTER HEARTH TO EXTEND 20" MIN. IN FRONT OF FIREPLACE

1. FIREPLACE TO BE UL LISTED, LABELED, AND INSTALLED PER LISTING AND MANUFACTURER'S RECOMMENDATIONS.

MASONRY FIREPLACE NOTES

2 FIREPLACE SECTION 1/2" = 1'-0"



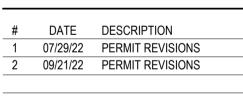


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CONSTRUCTION SET FIREPLACE DETAILS



PLOT DATE: 11/21/2022 12:57:27 PM

	(The following apply unle
<u>CRITERIA</u> I. ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS,	THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING VALUES FROM THE REFERENCED GEOTECHNICAL
SPECIFICATIONS, THE 2018 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC).	<u>REPORT</u> : ALLOWABLE SOIL BEARING PRESSURE 2,500 PSF
2. DESIGN LOADING CRITERIA	PASSIVE SOIL PRESSURE 300 PCF SOIL COEFFICIENT OF FRICTION 0.5
ROOF SNOW LOAD AT SLOPED ROOF25 PSFROOF SNOW LOAD AT FLAT ROOF30 PSF	SOIL DENSITY ISS PCF
ROOF DEAD LOAD ALLOWANCE FOR PV PANELS (IN DESIGNATED AREAS) 4 PSF	<u>GEOTECHNICAL REPORT REFERENCE</u> : #JN 21326 BY GEOTECH CONSULTANTS, INC. DATED SEPTEMBER 2, 2021.
<u>WIND</u> : ANALYSIS PROCEDURE: ASCE 7-16 CHAPTER 27 "PART I - BUILDINGS OF ALL HEIGHTS" RISK CATEGORY II	16. PIPE PILES SHALL BE GALVANIZED SCHEDULE-40 (STD) ASTM A53 (TYPE E OR S, GRADE A OR B) 4
98 MPH EXPOSURE "C"	INCH NOMINAL PIPE DRIVEN TO REFUSAL PER THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER. THE ALLOWABLE AXIAL COMPRESSION CAPACITY SHALL BE 20 KIPS. SECTIONS OF PIPE SHALL BE
TOPOGRAPHIC FACTOR Kzt = 1.9 WIND BASE SHEAR, NORTH/SOUTH \forall W = 47.1 K	CONNECTED TOGETHER WITH COMPRESSION FITTED SLEEVE COUPLERS.
WIND BASE SHEAR, EAST/WEST $\forall w = 37.3 \text{ K}$	17. <u>PIPE PILING INSPECTION</u> SHALL BE CONTINUOUSLY PERFORMED BY THE GEOTECHNICAL ENGINEER DURING PLACEMENT TO CONFIRM THAT THE PILES ARE INSTALLED IN ACCORDANCE WITH THE PLANS
CLADDING / WINDOW DESIGN PRESSURE (MAX.) 35 PSF	AND GEOTECHNICAL REPORT. AT LEAST 3% OF THE 4 INCH PILES SHALL BE LOAD TESTED IN ACCORDANCE WITH ASTM DI143. THE MAXIMUM TEST LOADS SHALL BE 40 KIPS. MAXIMUM PILE MIS-LOCATION SHALL BE 2" LATERALLY. PILE LENGTH INDICATED ON DRAWINGS IS ESTIMATED.
THE DESIGN WIND PRESSURES LISTED ABOVE ARE INWARD OR OUTWARD AND ARE BASED ON AN EFFECTIVE WIND AREA OF 10 SQUARE FEET NEAR A BUILDING CORNER, U.O.N. CORNER AND OTHER	ACTUAL LENGTH SHALL BE DETERMINED IN THE FIELD BY THE GEOTECHNICAL ENGINEER. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO
ZONES ARE DEFINED BY FIGURE 30.3-1, 30.3-2A TO 21 AND 30.3-5A TO 5B IN ASCE 7-16. REDUCED DESIGN PRESSURES MAY BE CALCULATED USING ASCE 7. NOTE THAT THE DESIGN WIND PRESSURES	DRIVING PILES. THE DRIVING CRITERIA WILL BE DETERMINED BASED ON THE ACTUAL HAMMER SIZE SELECTED BY THE CONTRACTOR AND THE STATIC LOAD TEST PROGRAM.
NOTED ABOVE ARE ULTIMATE VALUES PER THE 2018 IBC AND SHALL BE MULTIPLIED BY 0.6 FOR ALLOWABLE STRESS DESIGN.	$(\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,\dots,$
EARTHQUAKE : ANALYSIS PROCEDURE: IBC "EQUIVALENT LATERAL FORCE PROCEDURE" SEISMIC DESIGN CATEGORY (SDC) = D	CONCRETE
RISK CATEGORY =	18. <u>CONCRETE</u> SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301. CONSTRUCTION TOLERANCES SHALL NOT EXCEED THOSE LISTED IN ACI 117. CONCRETE SHALL ATTAIN A
SEISMIC SITE CLASS = D IMPORTANCE FACTOR IE = 1.0	28-DAY STRENGTH OF $f'c$ = 2,500 PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS
MAPPED MCE Ss = 1.47; S ₁ = 0.51 DESIGN ACCELERATION Sds = 1.18; Sd ₁ = 0.61	(BEFORE THE ADDITION OF ADMIXTURES). THE WATER/CEMENT RATIO SHALL NOT EXCEED 0.55 FOR FOOTINGS AND 0.45 FOR ALL SLABS AND EXPOSED CONCRETE UNLESS OTHERWISE NOTED. EXCEPT
SEISMIC RESISTING SYSTEM: WOOD PANEL BEARING SHEAR WALL, R = 6.5 SEISMIC BASE SHEAR Vs = 46.3 K	FOR FOOTINGS AND SLAB ON GRADE, AGGREGATE SIZE SHALL NOT EXCEED 3/4". THE MINIMUM AMOUNT OF CEMENT AND THE MAXIMUM SLUMP MAY BE CHANGED IF A CONCRETE
SEE PLANS FOR ADDITIONAL LOADING CRITERIA.	PERFORMANCE MIX IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT OF MERCER ISLAND FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE. (THE W/C RATIO
3. <u>LATERAL LOADS</u> ARE TRANSFERRED BY THE ROOF DIAPHRAGM TO THE SHEAR WALLS. FORCES ARE BASED ON THE TRIBUTARY AREA FOR EACH SHEAR WALL AND ARE CARRIED BY THE SHEAR WALLS TO	LIMITS STILL APPLY). THE PERFORMANCE MIX SHALL INCLUDE THE AMOUNTS OF CEMENT, CEMENTITIOUS MATERIAL, FINE AND COARSE AGGREGATE, WATER AND ADMIXTURES AS WELL AS THE WATER CEMENT
THE FOUNDATION.	RATIO, SLUMP, CONCRETE YIELD AND SUBSTANTIATING STRENGTH DATA IN ACCORDANCE WITH ACI 301. CHEMICAL ADMIXTURES AND FLY ASH SHALL CONFORM TO ASTM C494 AND C618 RESPECTIVELY. FLY
4. <u>STRUCTURAL DRAWINGS</u> SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS FOR COMPATIBILITY AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.	ASH PERCENTAGE OF TOTAL CEMENTITIOUS MATERIAL SHALL NOT EXCEED 20%. THE USE OF A PERFORMANCE MIX REQUIRES BATCH PLANT INSPECTION, THE COST OF WHICH SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER. REVIEW OF MIX SUBMITTALS BY THE ENGINEER OF RECORD INDICATES
5. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO	ONLY THAT INFORMATION PRESENTED CONFORMS GENERALLY TO CONTRACT DOCUMENTS. CONTRACTOR MAINTAINS FULL RESPONSIBILITY FOR SPECIFIED PERFORMANCE.
COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE INTENDED AS GUIDELINES ONLY AND MUST BE VERIFIED.	ALL CONCRETE WITH SURFACES EXPOSED TO STANDING WATER SHALL BE AIR-ENTRAINED WITH AN
6. CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL	AIR-ENTRAINING AGENT CONFORMING TO ASTM C260. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-14 TABLE 19.3.3.1. ALL CONCRETE EXPOSED TO THE MEATHER AND ALL CARACE GLARG ON CRADE GUALL OPTAIN A 28 DAY GRENCTURY OF 3 000
COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. 7. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES,	THE WEATHER AND ALL GARAGE SLABS-ON-GRADE SHALL OBTAIN A 28-DAY STRENGTH F'C OF 3,000 PSI IN ACCORDANCE WITH ACI 318 TABLE 19.3.2.1 AND IBC SECTION 1904.1. THIS INCREASE IN REQUIRED STRENGTH IS FOR DURABILITY ONLY (SPECIAL INSPECTION IS NOT REQUIRED). ALL
SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THEIR WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC	CONCRETE TO RECEIVE A STEEL TROWELED FINISH SHALL NOT BE AIR-ENTRAINED.
WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE,	19. <u>REINFORCING STEEL (FOR RESIDENTIAL)</u> SHALL CONSIST OF #4 BARS CONFORMING TO ASTM A615, GRADE 40, fy = 40,000 PSI AND SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE
CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES OF THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.	WITH ACI 315 AND 318. LAP ALL CONTINUOUS REINFORCEMENT 48 BAR DIAMETERS, 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS, LAP 2'-0" MINIMUM. PROVIDE (2)
8. <u>CONTRACTOR-INITIATED</u> CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN	#4 MIN. U.N.O. TRIM BARS AROUND ALL OPENINGS IN CONCRETE WALLS OR SLABS EXTENDING 2'-O" PAST CORNERS, TYPICAL.
ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.	NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER. NO REINFORCING BARS SHALL BE
9. <u>DRAWINGS</u> INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE	"WET-SET" INTO THE CONCRETE. PROVIDE A 20' LONG REBAR GROUND (UFER GROUND) PER ELECTRICIAN.
STRUCTURAL ENGINEER. WHERE INFORMATION ON THE DRAWINGS IS IN CONFLICT WITH THE SPECIFICATIONS, THE MORE STRINGENT SHALL APPLY, SUBJECT TO REVIEW AND APPROVAL BY THE	20. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
ARCHITECT AND THE STRUCTURAL ENGINEER. DO NOT SCALE THE DRAWINGS.	FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST EARTH 3" FORMED SURFACES EXPOSED TO EARTH (i.e. WALLS BELOW GROUND) OR WEATHER 2"
IO. <u>ALL STRUCTURAL SYSTEMS</u> WHICH ARE COMPOSED OF FIELD ERECTED COMPONENTS SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.	SLABS AND WALLS (INTERIOR FACE)
II. SHOP DRAWINGS GLUED LAMINATED MEMBERS, CONNECTOR PLATE WOOD ROOF TRUSSES, AND	<u>CONCRETE WALL REINFORCING</u> - PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE: WALL THICKNESS VERTICAL BARS HORIZONTAL BARS
PLYWOOD WEB JOISTS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.	
12. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF	6" WALLS #4 @ 18" (I CURTAIN) #4 @ 12" (I CURTAIN) 10" WALLS #4 @ 18" (2 CURTAINS) #4 @ 16" (2 CURTAINS) 12" WALLS #4 @ 18" (2 CURTAINS) #4 @ 12" (2 CURTAINS)
RECORD, AND THEREFORE MUST BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL REVIEW AND STAMP DRAWINGS PRIOR TO REVIEW BY ENGINEER OF RECORD. CONTRACTOR SHALL REVIEW DRAWINGS FOR CONFORMANCE WITH THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND OPERATIONS	
OF CONSTRUCTION, AND ALL SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO. A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR REVIEW.	ANCHORAGE
13. SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER ARE NOT CHANGE ORDERS. THE PURPOSE	21. <u>EXPANSION BOLTS</u> INTO CONCRETE SHALL BE "STRONG-BOLT 2 WEDGE ANCHOR", AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-3037 INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL
OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE ENGINEER THAT THE CONTRACTOR UNDERSTANDS THE DESIGN CONCEPT, BY INDICATING WHICH MATERIAL IS INTENDED TO BE FURNISHED AND INSTALLED AND BY DETAILING THE INTENDED FABRICATION AND INSTALLATION	BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL EXPANSION BOLT INSTALLATION.
METHODS. IF DEVIATIONS, DISCREPANCIES, OR CONFLICTS BETWEEN SHOP DRAWING SUBMITTALS AND THE CONTRACT DOCUMENTS ARE DISCOVERED EITHER PRIOR TO OR AFTER SHOP DRAWING	22. SCREW ANCHORS INTO CONCRETE SHALL BE "TITEN HD", AS MANUFACTURED BY SIMPSON STRONG-TIE
SUBMITTALS ARE PROCESSED BY THE ENGINEER, THE DESIGN DRAWINGS AND SPECIFICATIONS SHALL CONTROL AND SHALL BE FOLLOWED.	ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-2713 INCLUDING STANDARD EMBEDMENT REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR
14. <u>SPECIAL INSPECTION</u> : EXPANSION BOLTS AND THREADED EXPANSION INSERTS, SCREW ANCHORS, AND EPOXY GROUTED INSTALLATIONS SHALL BE SUPERVISED IN ACCORDANCE WITH IBC SECTIONS 1704 \$	REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS REQUIRED FOR ALL SCREW ANCHOR INSTALLATION.
1705 AND THE PROJECT SPECIFICATIONS BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE OWNER. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION	23. <u>SCREW ANCHORS</u> INTO CONCRETE SHALL BE "SCREW-BOLT+", AS MANUFACTURED BY DEWALT. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-3889 INCLUDING STANDARD EMBEDMENT
REPORTS DIRECTLY TO THE OWNER, ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET PROJECT SPECIFICATIONS SHALL BE BROUGHT TO THE	REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION IS
ATTENTION OF THE ARCHITECT.	REQUIRED FOR ALL SCREW ANCHOR INSTALLATION. 24. EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) INTO CONCRETE SHALL BE INSTALLED
GEOTECHNICAL	24. <u>EPOXT-GROUTED TIEMS</u> (THREADED RODS OR REINFORCING BAR) INTO CONCRETE SHALL BE INSTALLED USING "SET-3G" ADHESIVE ANCHOR AS MANUFACTURED BY SIMPSON STRONG-TIE ANCHOR SYSTEMS. INSTALL IN STRICT ACCORDANCE WITH I.C.C. REPORT NO. ESR-4057, INCLUDING STANDARD EMBEDMENT
15. FOUNDATION NOTES: SUBGRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION, AND FILLING REQUIREMENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE	REQUIREMENTS U.O.N. PROPOSED SUBSTITUTIONS SHALL BE SUBMITTED FOR REVIEW WITH I.C.C. OR IAPMO UES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. SPECIAL INSPECTION
GEOTECHNICAL REPORT OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. FOOTINGS SHALL BEAR ON SOLID UNDISTURBED EARTH (CONTROLLED, COMPACTED STRUCTURAL FILL OR BOTH) AT LEAST 18" BELOW LOWEST ADJACENT FINISHED GRADE. FOOTING DEPTHS/ELEVATIONS SHOWN ON PLANS (OR IN	OF INSTALLATION IS REQUIRED.
DETAILS) ARE MINIMUM AND FOR GUIDANCE ONLY; THE ACTUAL ELEVATIONS OF FOOTINGS MUST BE ESTABLISHED BY THE CONTRACTOR IN THE FIELD WORKING WITH THE TESTING LAB AND GEOTECHNICAL	STEEL
ENGINEER. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED UNDER COLUMNS OR WALLS ABOVE.	25. <u>STRUCTURAL STEEL DESIGN, FABRICATION, AND ERECTION</u> SHALL BE BASED ON THE LATEST EDITIONS OF THE A.I.S.C. SPECIFICATIONS AND CODES:
BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING GRANULAR FILL AND PROVIDE FOR	A. AISC - STEEL CONSTRUCTION MANUAL, 15 TH EDITION B. 2014 RCSC SPECIEICATION FOR STRUCTURAL JOINTS JOING HIGH STRENGTH BOLTS
SUBSURFACE DRAINAGE AS NOTED IN THE GEOTECHNICAL REPORT.	B. 2014 RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS.

GENERAL STRUCTURAL NOTES

(The following apply unless shown otherwise on the plans)

BEARING PRESSURE	2,500 PSF
SSURE	300 PCF
OF FRICTION	0.5
	135 PCF

<u>CONCRETE</u>

HER UNFORMED SURFACES CAST AGAINST EARTH	3"
B EXPOSED TO EARTH (I.E. WALLS BELOW GROUND) OR WEATHER	2"
(INTERIOR FACE)	"

ANCHORAGE

<u>STEEL</u>

- 26. STRUCTURAL STEEL, WIDE FLANGE (W AND WT), SHAPES SHALL CONFORM TO ASTM A992, Fy = 50 KSI; ALL OTHER ROLLED SHAPES SHALL CONFORM TO ASTM A36, Fy = 36 KSI. STEEL PLATE SHALL CONFORM TO ASTM A36, Fy = 36 KSI. CONNECTION BOLTS SHALL CONFORM TO ASTM A307. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 36, Fy = 36 KSI.
- 27. ALL A307 CONNECTION BOLTS SHALL BE PROVIDED WITH LOCK WASHERS UNDER NUTS OR SELF-LOCKING NUTS. ALL BOLT HOLES SHALL BE STANDARD SIZE UNLESS OTHERWISE NOTED.

MOOD

28. FRAMING LUMBER: SHALL BE KILN DRIED OR MC-19 (MOISTURE CONTENT LESS THAN 19%), AND GRADED AND MARKED IN CONFORMANCE WITH W.C.L.I.B. STANDARD NO. 17 GRADING RULES FOR WEST COAST LUMBER. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

JOISTS (2X, 3X, AND 4X MEMBERS)

BEAMS AND STRINGERS (INCLUDING 6 X AND LARGER MEMBERS)

POSTS AND TIMBERS

STUDS, PLATES & MISCELLANEOUS LIGHT FRAMING (AS NOTED ON PLANS / DETAILS)

- 29. GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM D3737 AND ANSI AI90.1 STANDARDS. EACH MEMBER SHALL BEAR AN A.I.T.C. IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN A.I.T.C. CERTIFICATE OF CONFORMANCE. CERTIFICATES OF CONFORMANCE MUST BE MADE AVAILABLE TO BUILDING INSPECTORS. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv = 240 PSI, E = 1,800 KSI. ALL CANTILEVERED OR CONTINUOUS BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2,400 PSI, Fv = 240 PSI, E = 1,800 KSI. CAMBER ALL SIMPLE SPAN GLULAM BEAMS TO 5,000' RADIUS UNLESS SHOWN OTHERWISE ON THE PLANS.
- 30. LAMINATED STRAND LUMBER (LSL) SHALL BE DESIGNED AND MANUFACTURED PER ASTM D5456. EACH PIECE SHALL BEAR A STAMP OR STAMPS NOTING THE NAME AND PLANT NUMBER OF THE MANUFACTURER, THE GRADE, AND THE INDEPENDENT INSPECTION AGENCY'S LOGO. ALL LAMINATED STRAND LUMBER SHALL BE MANUFACTURED USING A WATERPROOF ADHESIVE MEETING THE REQUIREMENTS OF ASTM D2559. MINIMUM STRUCTURAL PROPERTIES ARE AS FOLLOWS:

RIM JOISTS AND BLOCKING (1-1/4" MINIMUM THICKNESS AT NON-SHEAR WALLS; SEE SCHEDULE FOR MINIMUM THICKNESS AT SHEAR WALLS):

 $Fb = |700 PS|, E = |.3 \times |0^6 PS|, Fv = 400 PS|$

DESIGN SHOWN ON PLANS IS BASED ON MATERIALS MANUFACTURED BY THE WEYERHAEUSER CORPORATION. ALTERNATE MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

- 31. MOOD I-JOIST DESIGN SHOWN ON PLANS IS BASED ON JOISTS MANUFACTURED BY THE WEYERHAEUSER CORPORATION. ALTERNATE I-JOIST MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE JOIST HANGERS AND OTHER HARDWARE MAY BE SUBSTITUTED FOR ITEMS SHOWN PROVIDED THEY HAVE I.C.C. OR IAPMO UES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. ALL JOIST HANGERS AND OTHER HARDWARE SHALL BE COMPATIBLE IN SIZE WITH WOOD JOIST PROVIDED. GLUE FLOOR JOISTS TO SHEATHING AS REQUIRED BY THE JOIST MANUFACTURER.
- 32. PREFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH IBC SECTION 2303.4 AND ANSI/TPI 1-2014 "NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION" FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS. TRUSSES SHALL BE HANDLED, INSTALLED, AND BRACED PER "HIB 91" PER THE TRUSS PLATE INSTITUTE. LOADING SHALL BE AS FOLLOWS:

TOP CHORD SNOW LOAD	25 PSF
TOP CHORD DEAD LOAD	17 PSF
BOTTOM CHORD LIVE LOAD	10 PSF (NOT
BOTTOM CHORD DEAD LOAD	8 <u>PSF</u>
TOTAL LOAD	50 PSF
NET WIND UPLIFT (TOP CHORD)	IO PSF

THE LOADS ABOVE SHALL BE INCREASED TO THE FOLLOWING IF THE TRUSSES MEET THE DESCRIPTION

BOTTOM CHORD LIVE LOAD	20 PSF - INC
BOTTOM CHORD DEAD LOAD	IO PSF

SNOW LOAD DUE TO DRIFTING AND UNBALANCED LOADS SHALL BE INCLUDED PER THE IBC. TOP CHORDS SHALL BE DF LUMBER. UTILIZE A MINIMUM CREEP FACTOR OF 2.0 FOR DEAD AND SUSTAINED LIVE LOADS IN DETERMINING THE TRUSS DEFLECTIONS. MAXIMUM TOTAL DEFLECTION SHALL BE LESS THAN OR EQUAL TO L/240 OF THE TOTAL SPAN AND MAXIMUM LIVE LOAD DEFLECTION SHALL BE LESS THAN OR EQUAL TO L/360 OF THE TOTAL SPAN. PROVIDE ADEQUATE PLIES AND/OR METAL BRACKETS TO ADEQUATELY DISTRIBUTE THE BEARING PRESSURE AT THE ENDS OF THE GIRDER TRUSSES TO THE TOP PLATES OF THE BEARING WALLS SUCH THAT THE BEARING PRESSURE DOES NOT EXCEED 405 PSI. PROVIDE ADDITIONAL TRUSSES (AS REQUIRED) TO CARRY ALL CONCENTRATED LOADS AND MECHANICAL UNITS.

WOOD TRUSSES SHALL UTILIZE I.C.C. OR IAPMO UES APPROVED CONNECTOR PLATES. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SUBMITTED DOCUMENTS SHALL BEAR THE STAMP AND SIGNATURE OF A STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER. PROVIDE FOR SHAPES, BEARING POINTS, INTERSECTIONS, HIPS, VALLEYS, ETC., SHOWN ON THE DRAWINGS. EXACT COMPOSITION OF SPECIAL HIP, VALLEY, AND INTERSECTION AREAS (USE OF GIRDER TRUSSES, JACK TRUSSES, STEP-DOWN TRUSSES, ETC.) SHALL BE DETERMINED BY THE MANUFACTURER UNLESS SPECIFICALLY INDICATED ON THE PLANS. PROVIDE ALL TRUSS TO TRUSS AND TRUSS TO GIRDER TRUSS CONNECTION DETAILS AND REQUIRED CONNECTION MATERIALS. PROVIDE FOR ALL TEMPORARY AND PERMANENT TRUSS BRACING AND BRIDGING.

33. TRUSS SUPPLIERS NOTE: THE TRUSS CONFIGURATIONS, INCLUDING DEPTHS AND MEMBER SIZES SHOWN ON THE DRAWINGS, INDICATE THE DESIRED TRUSS CONFIGURATION AND ARE TO BE COMPLIED WITH WHEREVER POSSIBLE. IF A TRUSS MANUFACTURER IS UNABLE TO MEET THE LOAD REQUIREMENTS SPECIFIED WITH THE TRUSS CONFIGURATION INDICATED, THE MANUFACTURER IS TO SUBMIT WRITTEN NOTICE TO THAT EFFECT TO THE ARCHITECT PRIOR TO SUBMITTING A COST PROPOSAL OR BID.

IF A DIFFERENT SYSTEM IS PROPOSED THAT REQUIRES REVISIONS TO PRESENT STRUCTURAL FRAMING OR DETAILS, SUCH SYSTEM SHALL BE CONSIDERED SUBJECT TO THE APPROVAL OF THE OWNER, ARCHITECT, AND STRUCTURAL ENGINEER.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND TRUSS MANUFACTURER TO VERIFY THE WEIGHT AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PRIOR TO SUBMITTING SHOP DRAWINGS. IT SHALL BE NOTED IN THE TRUSS MANUFACTURER'S BID WHETHER OR NOT AN ALLOWANCE HAS BEEN MADE FOR MECHANICAL UNITS.

TRUSS SHOP DRAWINGS WILL NOT BE REVIEWED WITHOUT CALCULATIONS BEARING THE STAMP AND SIGNATURE OF A STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER.

34. MOOD SHEATHING SHALL BE APA RATED, EXTERIOR GLUE; EXPOSURE I, IN CONFORMANCE WITH THE REQUIREMENTS FOR THEIR TYPE IN DOC PS-1 OR PS-2. SEE PLANS FOR THICKNESS, PANEL IDENTIFICATION INDEX AND NAILING REQUIREMENTS.

UNLESS OTHERWISE NOTED ON THE PLANS, ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING

DOUGLAS FIR OR HEM-FIR NO. 2

DOUGLAS FIR NO. 1

DOUGLAS FIR NO. 1

DOUGLAS FIR OR HEM-FIR NO. 2

INCLUDED IN TOTAL

OF AN "UNINHABITABLE ATTIC WITH LIMITED STORAGE" AS DEFINED IN FOOTNOTE | OF IBC TABLE 1607.1: CLUDE IN TOTAL

AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING. TOENAIL BLOCKING TO SUPPORTS WITH (2) IOd-F NAILS AT EACH END, UNLESS OTHERWISE NOTED. AT BLOCKED FLOOR AND ROOF DIAPHRAGMS PROVIDE FLAT 2X BLOCKING AT ALL UNFRAMED PANEL EDGES AND NAIL WITH EDGE NAILING SPACED PER PLANS. WHERE NOT NOTED OTHERWISE, NAIL PANEL EDGES WITH & NAILS @ 6" O.C. EDGES, 12" O.C. IN THE FIELD.

35. ALL MOOD EXPOSED TO WEATHER, OR BEARING ON UNPROTECTED CONCRETE BELOW GRADE, OR BEARING ON UNPROTECTED CONCRETE LESS THAN 8" FROM EXPOSED EARTH SHALL BE PRESSURE-TREATED, U.O.N. PRESSURE TREATMENT SHALL BE WITH AN APPROVED PRESERVATIVE CONFORMING TO AMERICAN WOOD PRESERVERS ASSOCIATION UI AND M4 AND SHALL BE BRANDED WITH A QUALITY CONTROL AGENCY MARK BY THE AWPA OR EQUAL. ALL METAL HARDWARE IN CONTACT WITH TREATED WOOD SHALL BE PROTECTED WITH A GI85 GALVANIZED COATING (ZMAX) OR BETTER. ALL NAILS IN TREATED WOOD SHALL BE HOT-DIP GALVANIZED OR BETTER. PROVIDE 2 LAYERS OF 30# ASPHALT IMPREGNATED BUILDING PAPER BETWEEN NON-PRESSURE-TREATED LEDGERS, BLOCKING, ETC., AND CONCRETE.

36. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NO. C-C-2021. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE I.C.C. OR IAPMO UES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. CONNECTORS SHALL BE SIZED TO MATCH THE SIZE OF THE FRAMING MEMBERS BEING CONNECTED. 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. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. UNLESS NOTED OTHERWISE, ALL NAILS SHALL BE COMMON. ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED. ALL BOLTS TIGHTENED TO SNUG TIGHT.

37. MOOD FASTENERS:

A. <u>NAIL SIZES</u> SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

DRAWING ID	NAIL NAME	NAIL DIAMETER	NAIL LENGT
"6d"	6d Common	0.113"	2"
"8d Box"	8d Box	0.113"	2-1/2"
"8d"	8d Common	0.131"	2-1/2"
" 0d-F"	10d Framer	0.131"	3"
" <i>O</i> d"	10d Shear	0.148"	2-1/4"
" 6d"	16d Sinker	0.148"	3-1/4"

IF CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS, THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE STRUCTURAL ENGINEER (PRIOR TO CONSTRUCTION) FOR REVIEW AND APPROVAL.

B. NAILS - SHEATHING FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO COUNTERSINKING PERMITTED

- C. SCREWS SHALL BE WOOD SCREWS OF THE DIAMETER AND LENGTH NOTED ON THE DRAWINGS. SDS FASTENERS ARE SIMPSON STRONG DRIVE SCREWS.
- D. HOT DIPPED GALVANIZED NAILS, BOLTS AND METAL PLATES ALL NAILS, BOLTS AND METAL PLATES IN CONTACT WITH PRESSURE TREATED (INCLUDING FIRE-RETARDANT TREATED) LUMBER SHALL BE HOT DIPPED GALVANIZED.

38. WOOD FRAMING NOTES: THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:

- A. ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE IBC. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO IBC TABLE 2304.10.1. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD. TIGHTEN BOLTS AND LAG SCREWS SNUGLY AGAINST WOOD FRAMING AFTER WOOD HAS REACHED SPECIFIED MOISTURE CONTENT.
- B. WALL FRAMING: ALL BEARING AND SHEAR WALLS SHOWN AND NOT OTHERWISE NOTED SHALL BE 2 x 6 STUDS @ 16" O.C. AT INTERIOR WALLS AND 2 x 8 @ 16" O.C. AT EXTERIOR WALLS. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL BEARING AND SHEAR WALLS AND AT EACH SIDE OF ALL OPENINGS. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW.

ALL BEARING STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH IGD NAILS AT 8" O.C. STAGGERED OR BOLTED TO CONCRETE WITH 5/8" DIAMETER ANCHOR BOLTS WITH 3"X3"X1/4" PLATE WASHERS @ 4'-O" O.C., UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH IOd-F NAILS @ 8" O.C. STAGGERED. REFER TO THE PLANS AND SHEAR WALL SCHEDULE FOR REQUIRED SHEATHING AND NAILING. WHEN NOT OTHERWISE NOTED, PROVIDE GYPSUM WALLBOARD ON INTERIOR SURFACES AND 15/32A APA RATED PLYWOOD SHEATHING ON EXTERIOR SURFACES ATTACHED TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING WITH SCREWS AT 8" O.C. USE 1-1/4 " W #6 SCREWS FOR 1/2" GWB AND 5/8" GWB WHERE OCCURS. USE 8d NAILS FOR 15/32" APA RATED EXTERIOR SHEATHING, WHERE OCCURS. VERIFY THE FIRE ASSEMBLY REQUIREMENTS WHERE APPLICABLE WITH THE ARCHITECT.

- C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND OVER MORE THAN HALF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE SOLID BLOCKING AT ALL BEARING POINTS. NAIL ALL MULTI-JOIST BEAMS TOGETHER WITH IOD-F NAILS @ 8" O.C. STAGGERED UNLESS OTHERWISE NOTED.
- D. POSITIVE CONNECTIONS: PROVIDE THE FOLLOWING SIMPSON CONNECTORS AT TYPICAL FRAMING UNLESS OTHERWISE NOTED ON PLAN OR DETAIL. PROVIDE CCQ/ECCQ CAPS AND PBS BASES AT POSTS. PROVIDE BC BASE WHERE POST BEARS ON WOOD FRAMING BELOW. PROVIDE LUS SERIES HANGERS FOR 2X FLOOR AND ROOF JOISTS. CONNECTORS SHALL BE SIZED TO MATCH THE SIZE OF THE FRAMING MEMBERS BEING CONNECTED.

STRUCTURAL OBSERVATION

AS NOTED IN IBC SECTION 1704.6, STRUCTURAL OBSERVATION IS REQUIRED FOR THIS PROJECT. STRUCTURAL OBSERVATION MEANS THE VISUAL OBSERVATION OF THE STRUCTURAL SYSTEM, INCLUDING BUT NOT LIMITED TO, THE ELEMENTS AND CONNECTIONS AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY OF THE INSPECTIONS REQUIRED BY IBC SECTIONS 110 AND 1704.

IN OUR STRUCTURAL OBSERVATION, WE WILL SELECT PORTIONS OF WORK TO REVIEW CLOSELY AS WELL AS OBSERVE THE STRUCTURAL SYSTEM FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. SUCH REVIEW PROCEDURES WILL BE CONDUCTED IN ACCORDANCE WITH COMMONLY ACCEPTED STANDARDS OF PRACTICE. THE BUILDING OFFICIAL UNDERSTANDS THAT SUCH PROCEDURES INDICATE ACTUAL CONDITIONS ONLY WHERE THE REVIEW IS PERFORMED AND THAT THE RESULTS WILL BE INFERRED TO EXIST IN OTHER AREAS NOT REVIEWED.

THE BUILDING OFFICIAL ALSO RECOGNIZES THAT STRUCTURAL REVIEW IS A TECHNIQUE EMPLOYED TO MINIMIZE THE RISK OF PROBLEMS ARISING DURING CONSTRUCTION. STRUCTURAL OBSERVATION BY THE DESIGN PROFESSIONAL DOES NOT CONSTITUTE WARRANTY OR GUARANTEE OF ANY TYPE. IN ALL CASES, THE CONTRACTOR SHALL RETAIN RESPONSIBILITY FOR THE QUALITY OF WORK AND FOR ADHERENCE TO THE APPROVED PLANS AND SPECIFICATIONS.



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REVISIONS					

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7810 - 79TH AVE. SE MERCER ISLAND, WA 98040

PERMIT NO. #2203-116

CONSTRUCTION SET GENERAL STRUCTURAL NOTES



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GENERAL STRUCTURAL NOTES

(The following apply unless shown otherwise on the plans)

	VIATIONS	
At	L	Angle
Penny (Nails)	LB.	Pound
Diameter	LL	Live Load
Degrees Pounds	LLH LLV	Long Leg Horizontal Long Leg Vertical
Number	LONGIT.	Longitudinal
	LT. MT.	Lightweight
Above		
Anchor Bolt Additional	MAX. MECH.	Maximum Mechanical
Alternate	MEZZ.	Mezzanine
Approximate	MF	Moment Frame
Architect	MFR.	Manufacturer
Below	MIN. MISC.	Minimum Miscellaneous
Bottom of	MK.	Mark
Braced Frame		
Blocking	(N)	New
Building Beam	N. N.S.	North Near Side
Bottom	NOM.	Nominal
Bearing	NTS	Not to Scale
Between	O.C.	On Center
Centerline	0.D.	Outside Diameter
Camber	0.F.	Outside Face
Cast In Place	O.H.	Overhang
Control Joint nt Penetration	OPNG. OPP.	Opening Opposite
Ceiling	011.	Opposite
Clear	PAF	Powder Actuated Fastener
e Masonry Unit	PC	Precast
Column Concrete	PERM. PERP.	Permanent Perpendicular
Connections	PJP	Partial Joint Penetration
Construction	PL or PL	Plate
Continuous		Pounds per linear Foot
Countersink	PLYWD PREFAB.	Plywood Prefabricated
ed Bar Anchor	PSF	Pounds per Square Foot
Double	PSI	Pounds per Square Inch
Degree	P.T. or PT	Post-Tensioning
oug Fir-Larch Diameter	P/T	Pressure-Treated
Diagonal	RAD.	Radius
Diaphragm	REF.	Reference
Dimension Down	REINF. REQD.	Reinforce or Reinforcement
Ditto	REV.	Required Revise
Detail	R.O.	Rough Opening
ble Top Plate	C	
Drawing	S. SCH. or SCH	ED. South Schedule
Existing	SECT.	Section
East	SHT.	Sheet
Each	SIM.	Similar Slala On Snada
Each Face Elevation	SOG SPEC.	Slab On Grade Specification
Elevator	5Q.	Square
edment Length	SQ. FT.	Square Feet
Engineer	SQ. IN.	Square Inch(es)
Equal Each Way	SPF S.S.	Spruce-Pine-Fir
-		Stainless Steel
Expansion	STD.	Stainless Steel Standard
Expansion Exterior	STIFF.	Standard Stiffener
Exterior	STIFF. STL.	Standard Stiffener Steel
•	STIFF.	Standard Stiffener Steel Structural
Éxterior Foundation Finish Floor	STIFF. STL. STR.	Standard Stiffener Steel
Éxterior Foundation Finish Floor prced Polymer	STIFF. STL. STR. SUB. SYM.	Standard Stiffener Steel Structural Substitute Symmetrical
Éxterior Foundation Finish Floor prced Polymer Far Side	STIFF. STL. STR. SUB. SYM. T/	Standard Stiffener Steel Structural Substitute Symmetrical Top of
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet	STIFF. STL. STR. SUB. SYM.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom
Éxterior Foundation Finish Floor prced Polymer Far Side	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP.	Standard Stiffener Steel Structural Substitute Symmetrical Top of
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge	STIFF. STL. SUB. SVM. T/ T&B T&G TEMP. THRU	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized	STIFF. STL. STR. SUB. SYM. T/ T&B T&B T&G TEMP. THRU T.O.C.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge	STIFF. STL. SUB. SVM. T/ T&B T&G TEMP. THRU	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel
Éxterior Foundation Finish Floor orced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board	STIFF. STL. STR. SUB. SYM. T/ T&B T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse Tube Steel
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board Header	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board	STIFF. STL. STR. SUB. SYM. T/ T&B T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse Tube Steel
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board Header Header Hanger Horizontal	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal pctural Section	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical
Éxterior Foundation Finish Floor prced Polymer Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board Header Header Hanger Horizontal	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical
Exterior Foundation Finish Floor orced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board ed Galvanized Header Header Hanger Horizontal octural Section Height side Diameter	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Vall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field
Exterior Foundation Finish Floor Floor Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal Juctural Section Height side Diameter Inside Face	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field
Exterior Foundation Finish Floor orced Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal octural Section Height side Diameter Inside Face Inch	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W. W/ or w/ W.H.S.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Vall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With
Exterior Foundation Finish Floor Floor Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal Juctural Section Height side Diameter Inside Face	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field
Exterior Foundation Finish Floor preed Polymer Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal petural Section Height side Diameter Inside Face Inch Information Interior	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/ W.H.S. W/O W.P. W.T.S.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Vall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field Mest With Welded Headed Stud Without Nork Point
Exterior Foundation Finish Floor Floor Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal Joctural Section Height side Diameter Inside Face Inch	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.N. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/ W.H.S. W/O W.P.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field West With Welded Headed Stud Without Work Point
Exterior Foundation Finish Floor preed Polymer Far Side Foot or Feet Footing Gauge Galvanized Jue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal Joint Side Diameter Inside Face Inch Information Interior	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/ W.H.S. W/O W.P. W.T.S. WWF	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Vall Transverse Tube Steel Typical Unless Otherwise Noted Verify in Field Verify in Field West With Welded Headed Stud Without Nork Point Welded Threaded Stud Welded Wire Fabric
Exterior Foundation Finish Floor preed Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal vetural Section Height side Diameter Inside Face Inch Information Interior Joint Kips r Square Foot	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/ W.H.S. W/O W.P. W.T.S.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Vall Transverse Tube Steel Typical Unless Otherwise Noted Vertical Verify in Field Mest With Welded Headed Stud Without Nork Point
Exterior Foundation Finish Floor preed Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal petural Section Height side Diameter Inside Face Inch Information Interior Joint	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/ W.H.S. W/O W.P. W.T.S. WWF X SECT.	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Wall Transverse Tube Steel Typical Unless Otherwise Noted Verify in Field Verify in Field West With Melded Headed Stud Without Nork Point Melded Threaded Stud Welded Mire Fabric
Exterior Foundation Finish Floor preed Polymer Far Side Foot or Feet Footing Gauge Galvanized blue Laminated um Wall Board ed Galvanized Header Hem Fir Hanger Horizontal vetural Section Height side Diameter Inside Face Inch Information Interior Joint Kips r Square Foot	STIFF. STL. STR. SUB. SYM. T/ T&B T&G TEMP. THRU T.O.C. T.O.S. T.O.W. TRANS. TS TYP. U.O.N. VERT. VIF W. W/ or w/ W.H.S. W/O W.P. W.H.S. W/O W.P. W.T.S. WWF X SECT. X-STR	Standard Stiffener Steel Structural Substitute Symmetrical Top of Top and Bottom Tongue & Groove Temporary Through Top of Concrete Top of Steel Top of Steel Top of Vall Transverse Tube Steel Typical Unless Otherwise Noted Verify in Field Verify in Field Nest With Welded Headed Stud Without Nork Point Welded Threaded Stud Welded Mire Fabric

	ABBRE
@ d \$ # #	At Penny (Nails) Diameter Degrees Pounds Number
(A) A.B. ADD'L ALT. APPROX ARCH.	Above Anchor Bolt Additional Alternate Approximate Architect
(B) BF BLKG. BLDG. BM. BOT. BRG. BTWN.	Below Bottom of Braced Frame Blocking Building Beam Bottom Bearing Between
CL or Q C CIP C.J. CJP CLG. CLR. CMU COL. CONC. CONST. CONST. CONT. CSK.	Centerline Camber Cast In Place Construction Joint or Control Joint Complete Joint Penetration Ceiling Clear Concrete Masonry Unit Column Concrete Concrete Construction Construction Continuous Countersink
DBA DBL. DF DIA. DIAG. DIAPH. DIM. DN. DO DTL. DTP DWG.	Deformed Bar Anchor Double Degree Doug Fir-Larch Diameter Diagonal Diaphragm Dimension Down Ditto Detail Double Top Plate Drawing
(E) E. E.F. EL. ELEV. EMBED. ENGR. EQ. E.M. EXP. EXT.	Existing East Each Each Face Elevation Elevator Embedment Length Engineer Equal Each May Expansion Exterior
FDN. FIN. FLR. FRP F.S. FT. FTG.	Foundation Finish Floor Fiber Reinforced Polymer Far Side Foot or Feet Footing
GA. GALV. GL GWB	Gauge Galvanized Glue Laminated Gypsum Wall Board
HDG HDR. HF HGR. HORIZ. HSS HT.	Hot Dipped Galvanized Header Hem Fir Hanger Horizontal Hollow Structural Section Height
I.D. I.F. IN. INFO. INT.	Inside Diameter Inside Face Inch Information Interior
JT. K KSF KSI	Joint Kips Kips per Square Foot Kips per Square Inch



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Stuart Silk Architects

2400 N. 45th Street Seattle, WA 98103

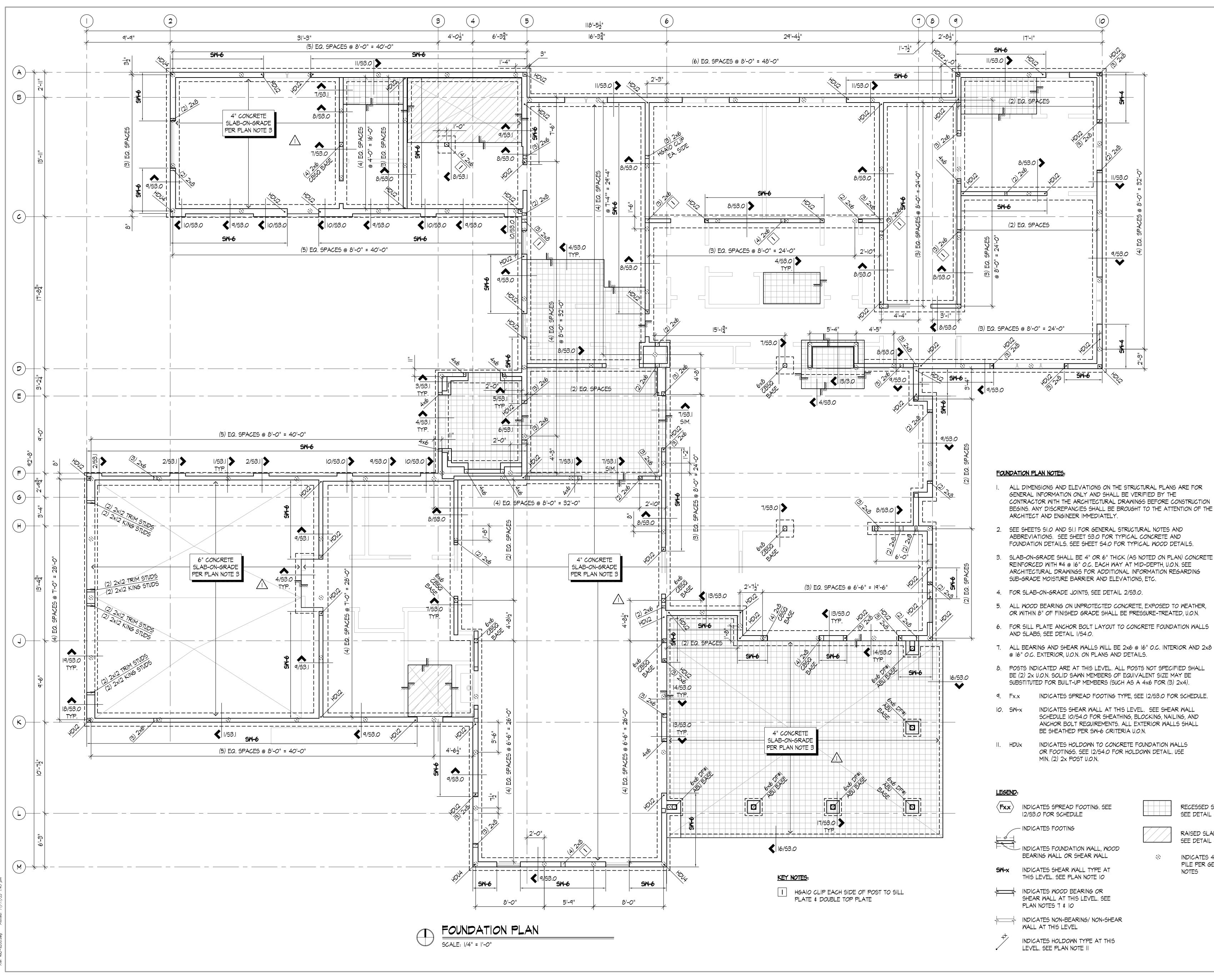
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PERMIT NO. #2203-116

CONSTRUCTION SET GENERAL STRUCTURAL NOTES





INDICATES 4"¢ PIN PILE PER GENERAL NOTES

RECESSED SLAB

(×)

SEE DETAIL 4/S3.0 RAISED SLAB

SEE DETAIL 4/S3.0



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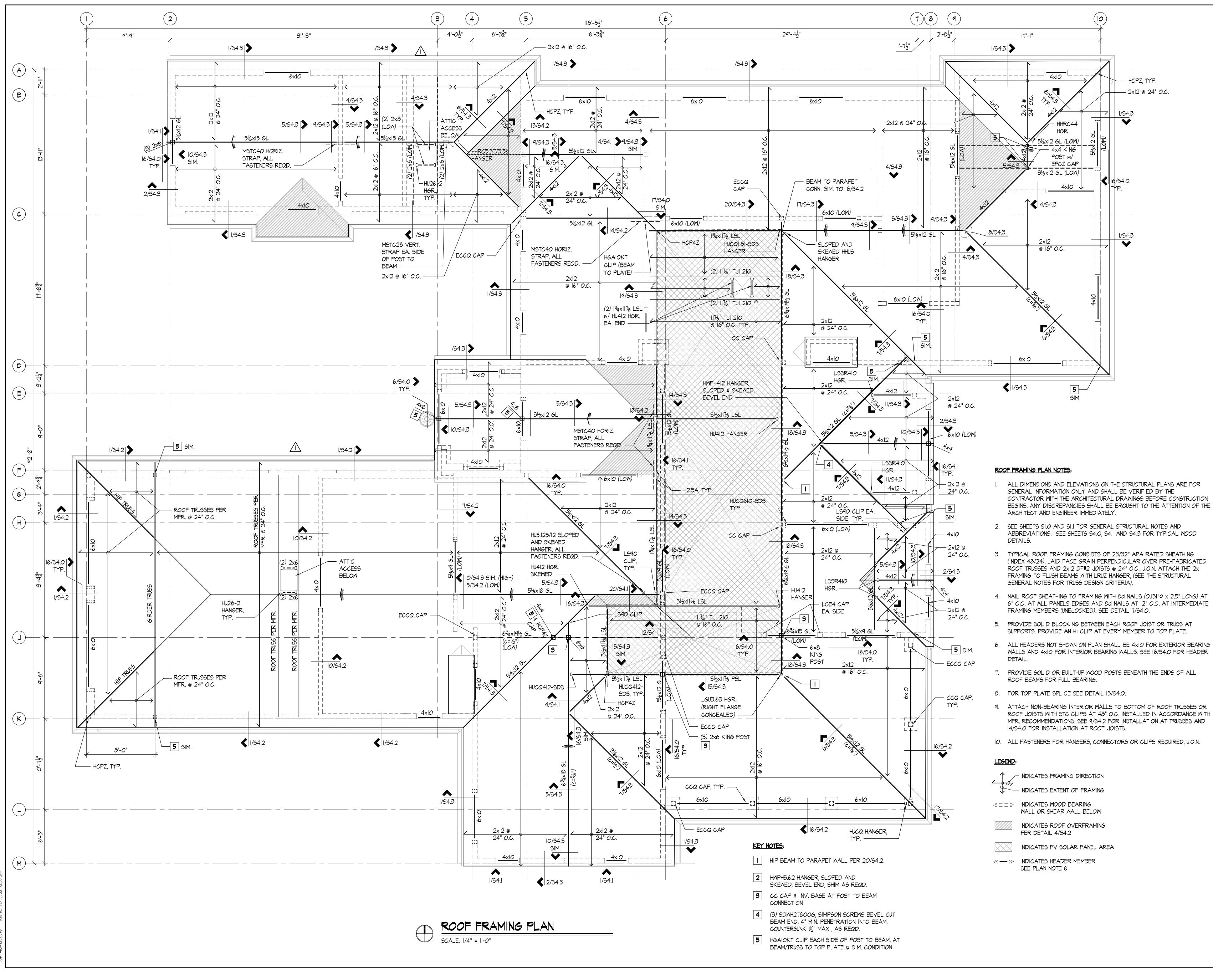
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CONSTRUCTION SET FOUNDATION PLAN







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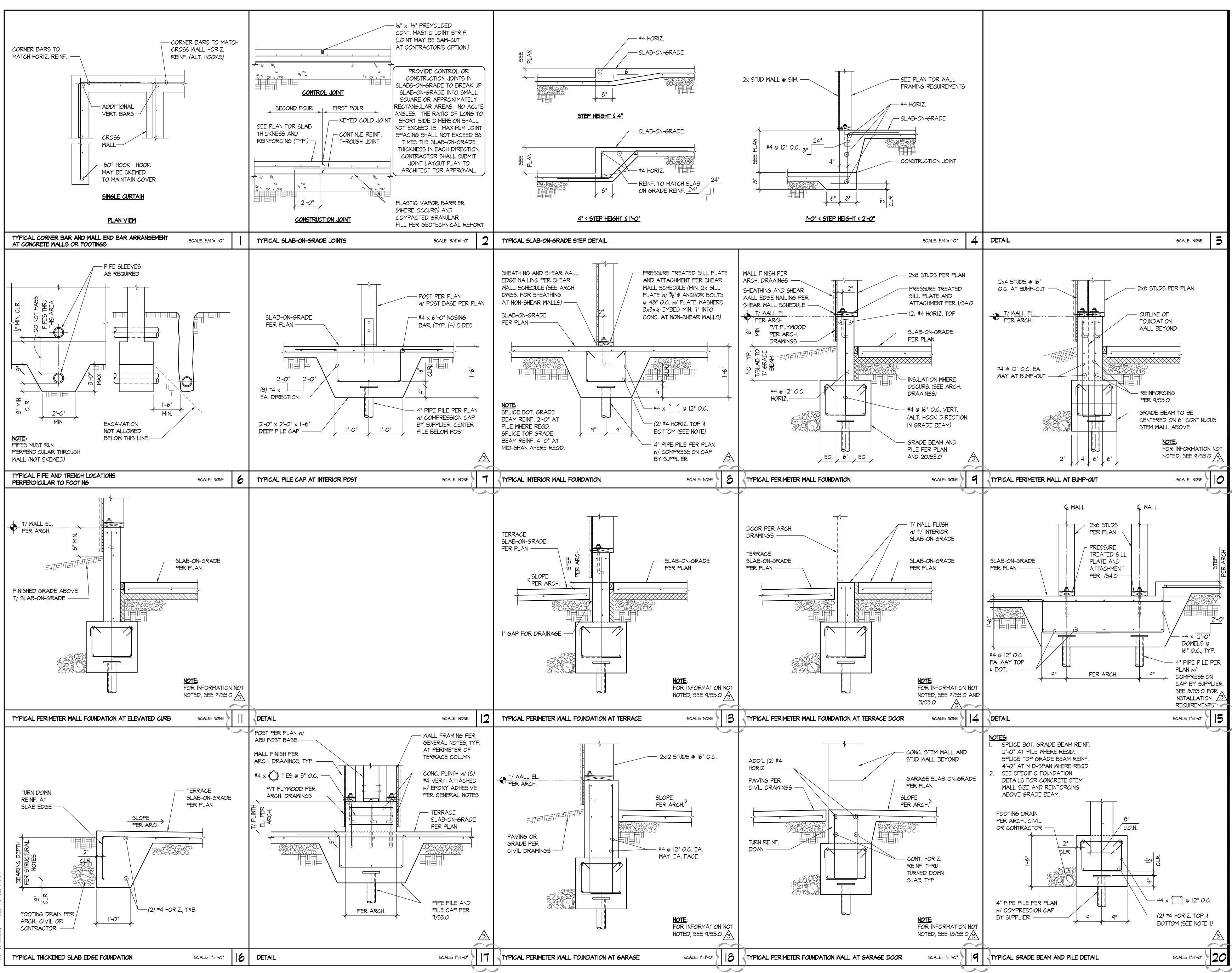
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CONSTRUCTION SET ROOF FRAMING PLAN

S2.1





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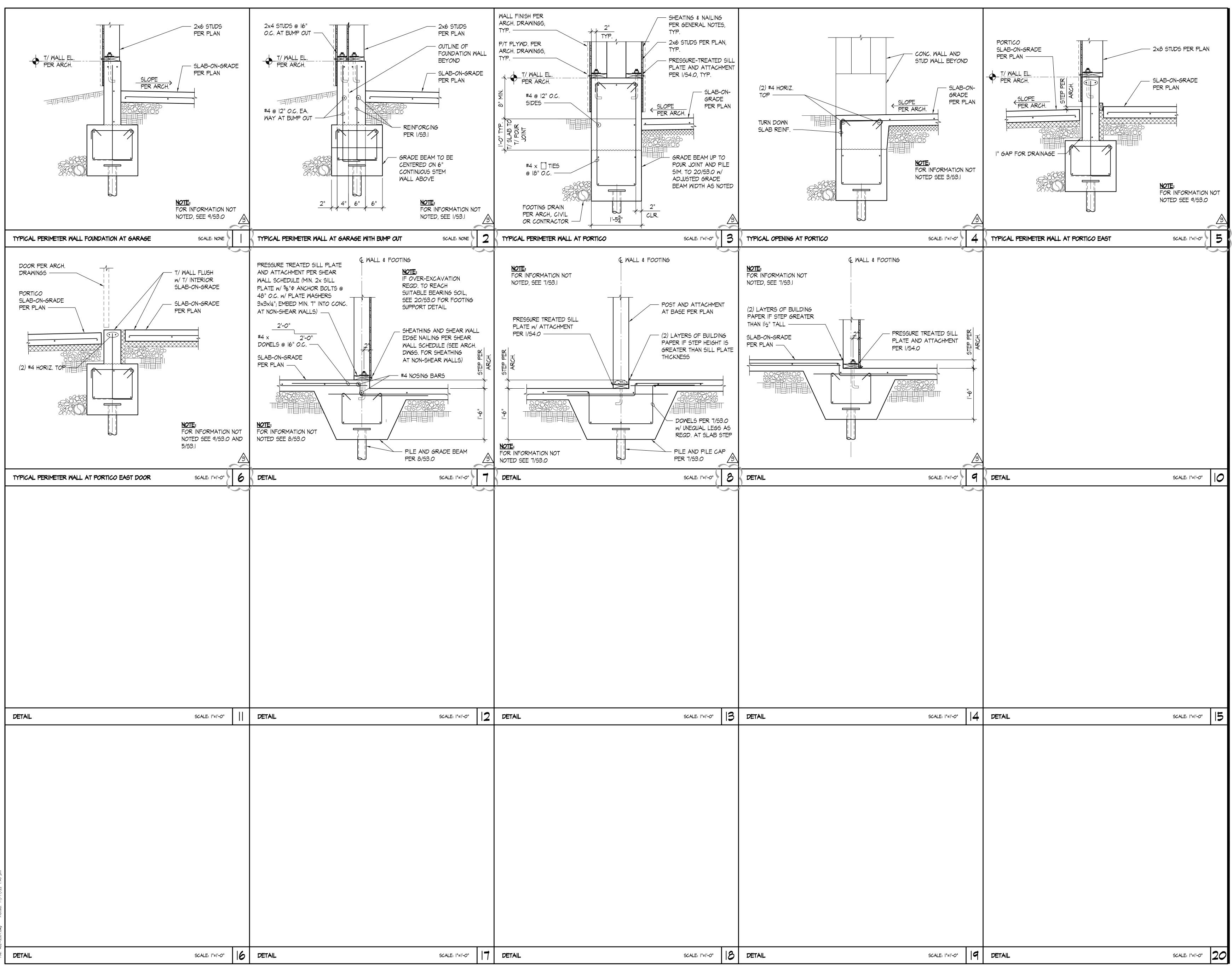
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CONSTRUCTION SET

FOUNDATION DETAILS







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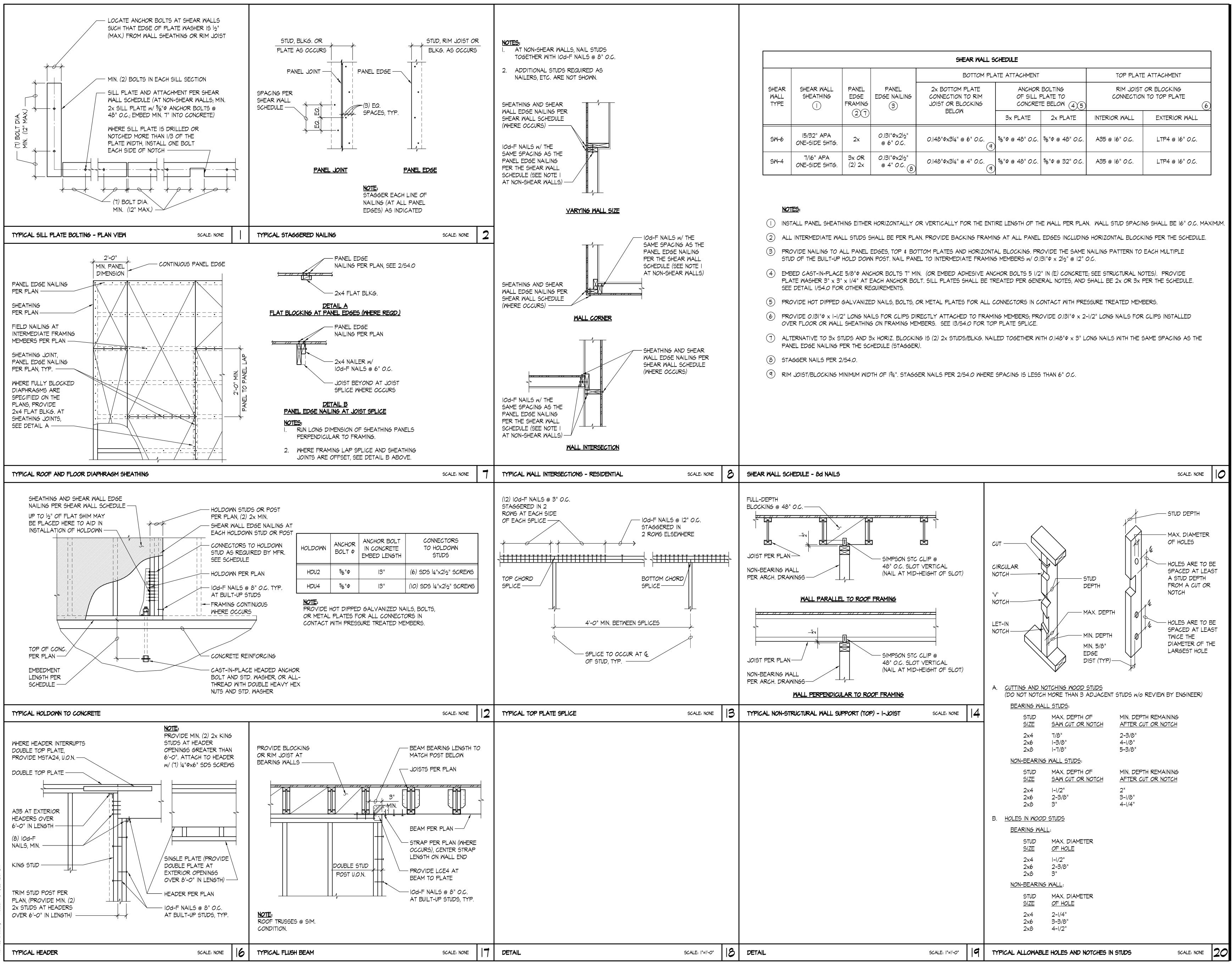
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CONSTRUCTION SET DETAILS

S3.1



SHEAR WALL SCHEDULE							
			BOTTOM PLA	BOTTOM PLATE ATTACHMENT		TOP PLATE ATTACHMENT	
SHEAR WALL SHEATHING	PANEL EDGE FRAMING	PANEL EDGE NAILING 3	2x BOTTOM PLATE CONNECTION TO RIM JOIST OR BLOCKING	OF SILL F	BOLTING PLATE TO TE BELOW (4)5		OR BLOCKING N TO TOP PLATE 6
	27		BELOW	3x PLATE	2x PLATE	INTERIOR WALL	EXTERIOR WALL
15/32" APA DNE-SIDE SHTG.	2x	O.I3I"⊄x2½" @ 6" O.C.	0. 48"\$x3½" @ 6" O.C.	⁵%"Ф @ 48" O.C.	5%"¢ @ 48" O.C.	A35 @ 6" O.C.	LTP4 @ 16" O.C.
7/16" APA DNE-SIDE SHTG.	3x OR (2) 2x	O.I3I"⊄x2½" @ 4" O.C. ⊗	0. 48"\$x3½" @ 4" 0.C. 9	⁵%"Ф @ 48" O.C.	5⁄%"⊄ @ 32" 0.C.	A35 @ 6" O.C.	LTP4 @ 16" O.C.



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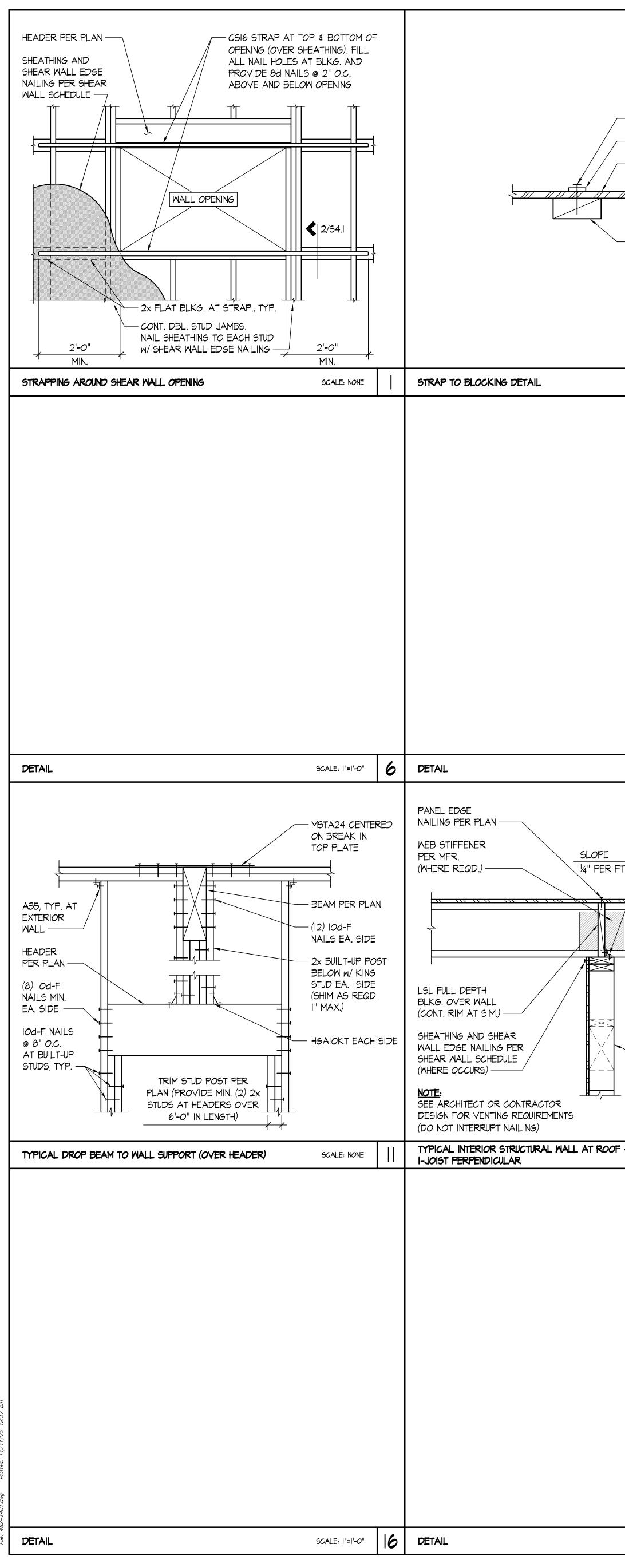
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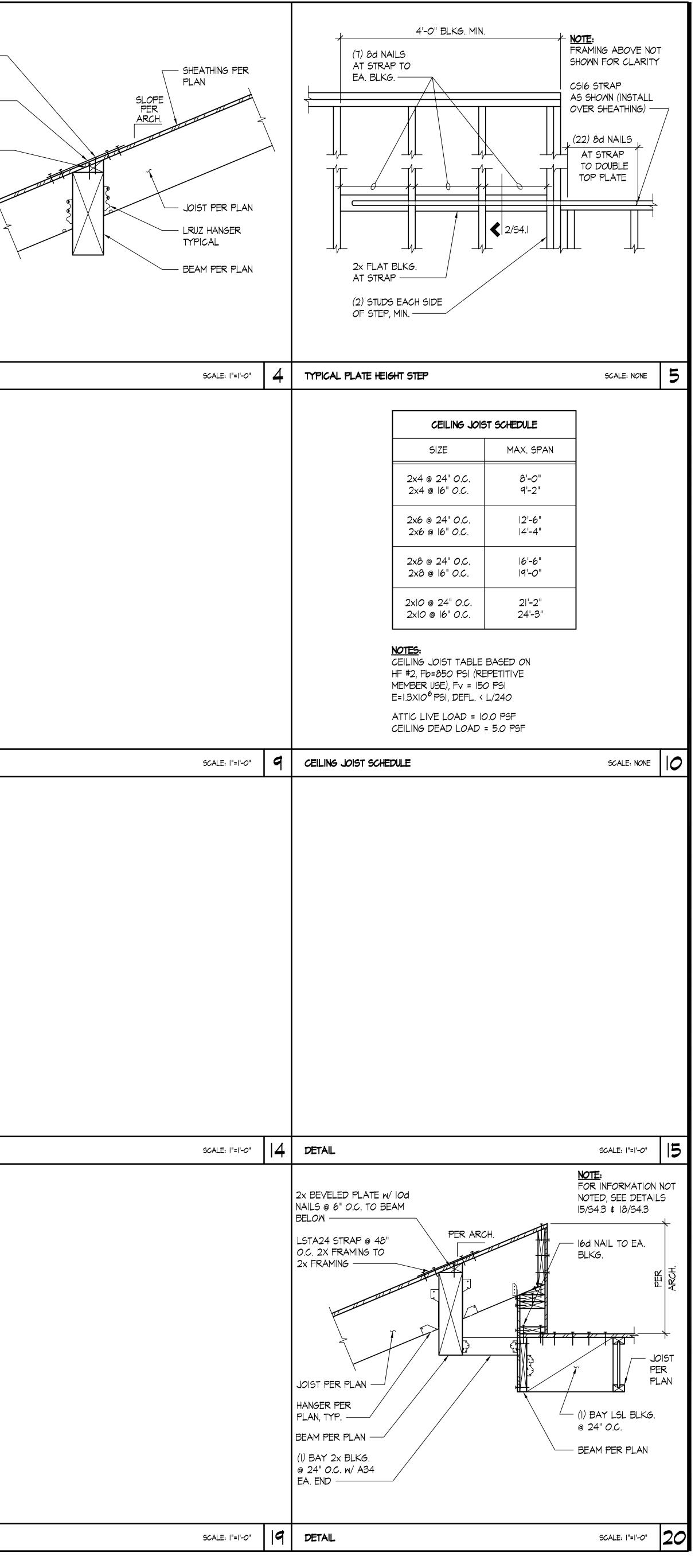
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CONSTRUCTION SET TYPICAL WOOD DETAILS

S4.0



				PANEL EDGE
		3'-0" MIN. W/ 8d NAILS LENGTH OF STRAP PER PLAN @ 3" O.C. TO RIM JOIST W/ 8d NAILS @ 6" O.C.		NAILING PER PLAN — LSTA24 STRAP @ 48" O.C. AT 2x FRAMING TO 2x FRAMING —
NAILS PER PLAN STRAP PER PLAN				2x BEVELED PLATE w/ IOd-F NAILS @ 8" TO BEAM BELOW
				Y
		JOIST PER PLAN (ORIENTATION PER PLAN) PROVIDE 2x4 FLAT BLKG AT STRAP. WHERE JOISTS ARE PARALLEL TO STRAI ADD OR ALIGN A JOIST UNDER THE STRAP (INSTE, OF BLOCKING) RIM JOIST	р. р.	
SCALE: NONE	2	TYPICAL DRAG STRUT DETAIL SCALE: NONE	3	DETAIL
SCALE: "= '-0" BLOCKING TO TOP PLA		DETAIL SCALE: "= '-O"	8	DETAIL
ATTACHMENT PER SHEA WALL SCHEDULE (MIN. IOd-F TOENAILS @ 8" C AT NON-SHEAR WALLS)	4R D.C.			
FT. SHEATHING PER PLAN				
JOIST PER PLAN w/ (2) IOd BOX NAILS TO TOP PLATE				
HEADER PER PLAN				
MHERE OCCURS. SEE TYPICAL HEADER DETAIL(S)				
F - SCALE: NONE	2	DETAIL SCALE: "= '-0"	13	DETAIL
SCALE: "= '-0"	17	DETAIL SCALE: "= '-O"	18	DETAIL





	_			
DESIGN		MDA		
DRAWN	1	ТА		
CHECK	ED	SKK		
SHEET	ISSUE DATE	03/04/2022		
DRAWI	NG SETS			
	PERMIT SET		03/04/2022	
\triangle	PERMIT COM	MENTS	07/29/2022	
\triangle	PERMIT COM	MENTS	09/21/2022	
A	PERMIT REVI	SIONS	11/11/2022	
REVISIONS				

2400 N. 45th Street Seattle, WA 98103 WWW.STUARTSILK.COM

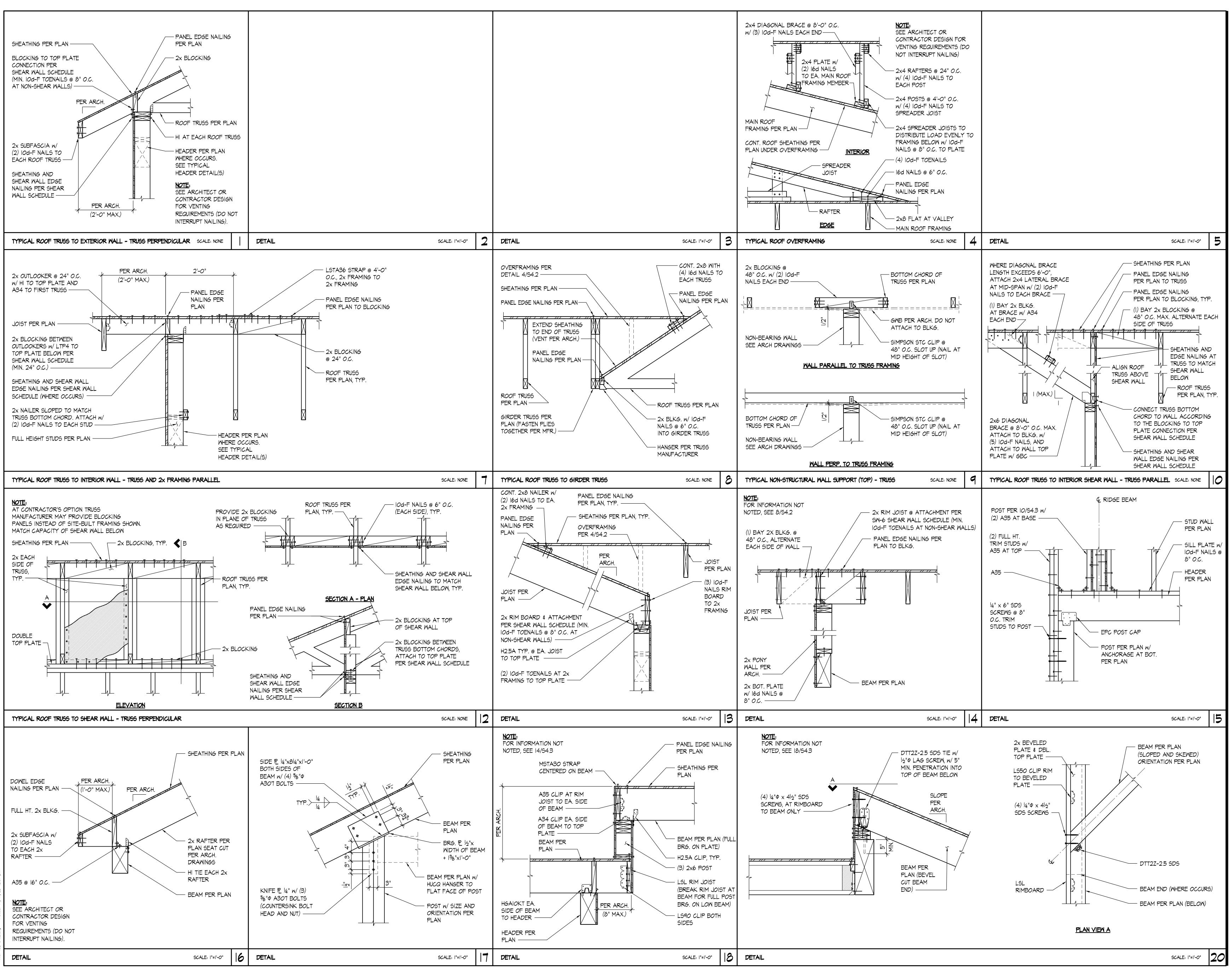
BRINDLEY RESIDENCE

7810 - 79TH AVE. SE MERCER ISLAND, WA 98040

PERMIT NO. #2203-116

CONSTRUCTION SET TYPICAL DETAILS

S4.1





DESIGN		MDA		
DRAWN	l	ТА		
СНЕСК	ED	SKK		
SHEET	ISSUE DATE	03/04/2022		
DRAWI	NG SETS			
	PERMIT SET		03/04/2022	
\triangle	PERMIT COM	MENTS	07/29/2022	
2	PERMIT COM	MENTS	09/21/2022	
A	PERMIT REVI	SIONS	11/11/2022	
REVISIONS				

2400 N. 45th Street Seattle, WA 98103 WWW.STUARTSILK.COM

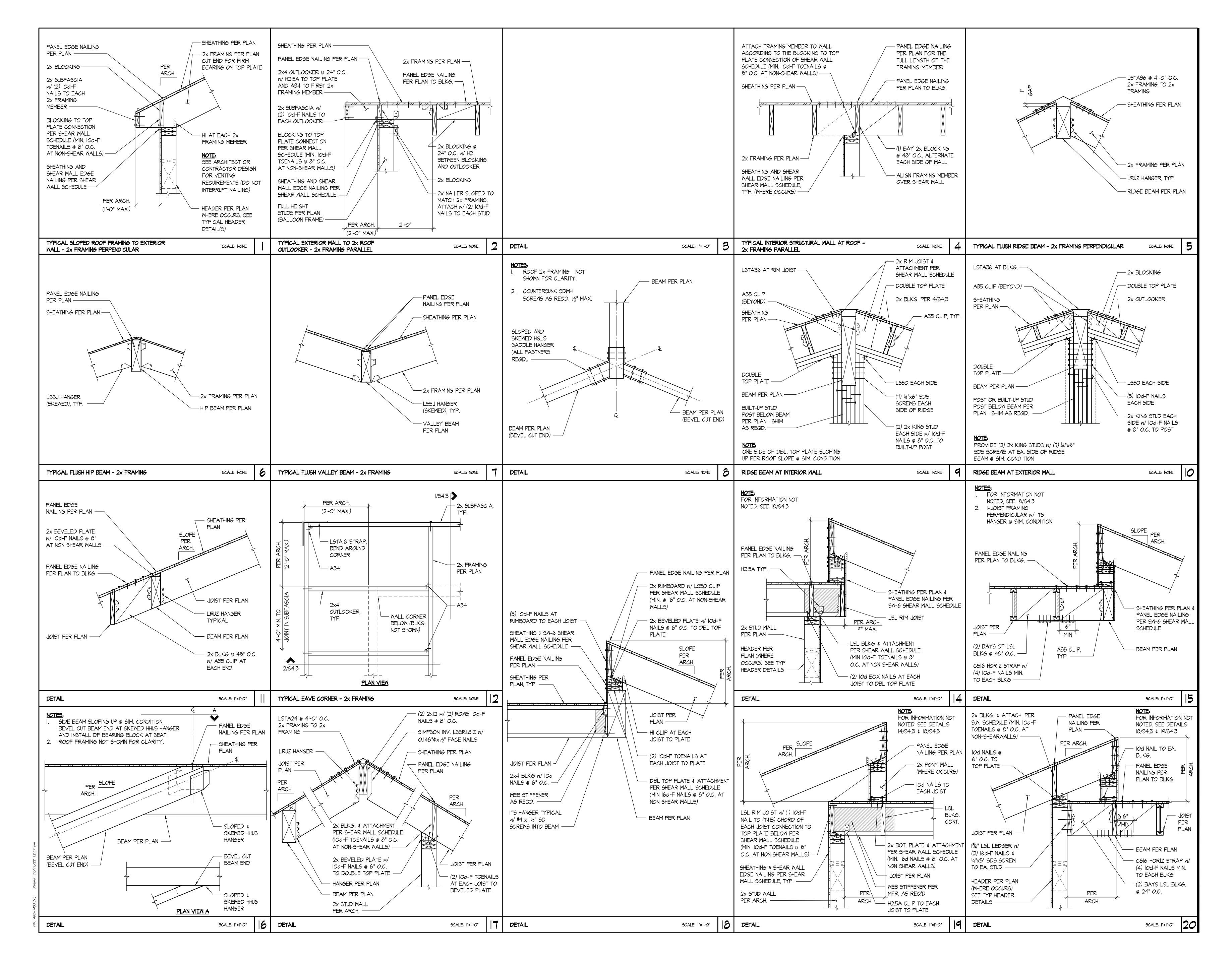
BRINDLEY RESIDENCE

7810 - 79TH AVE. SE MERCER ISLAND, WA 98040

PERMIT NO. #2203-116

CONSTRUCTION SET TYPICAL TRUSS DETAILS

S4.2





DESIGN	J	MDA			
DRAWN	J	ТА			
СНЕСК	ED	SKK			
SHEET	ISSUE DATE	03/04/2022			
DRAWI	NG SETS				
	PERMIT SET		03/04/2022		
\triangle	PERMIT COM	MENTS	07/29/2022		
2	PERMIT COM	MENTS	09/21/2022		
A	PERMIT REVI	SIONS	11/11/2022		
REVISI	REVISIONS				

2400 N. 45th Street Seattle, WA 98103

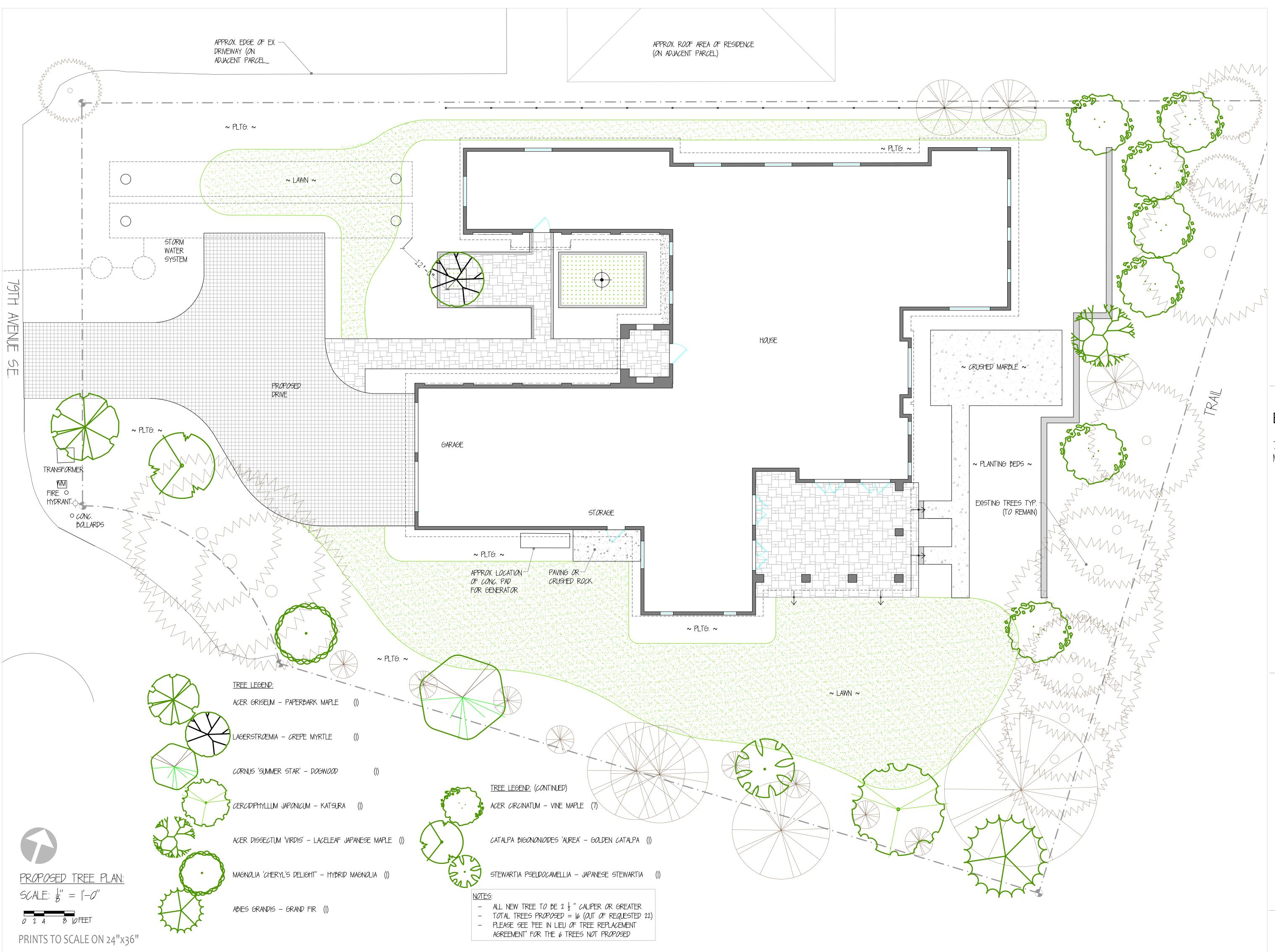
BRINDLEY RESIDENCE

7810 - 79TH AVE. SE MERCER ISLAND, WA 98040

PERMIT NO. #2203-116

CONSTRUCTION SET

S4.3





BRINDLEY RESIDENCE

7810 79TH AVE SE MERCER ISLAND, WA 98040

PROPOSED TREE PLAN

DRAWN BY: AB DATE: 11-11-2022