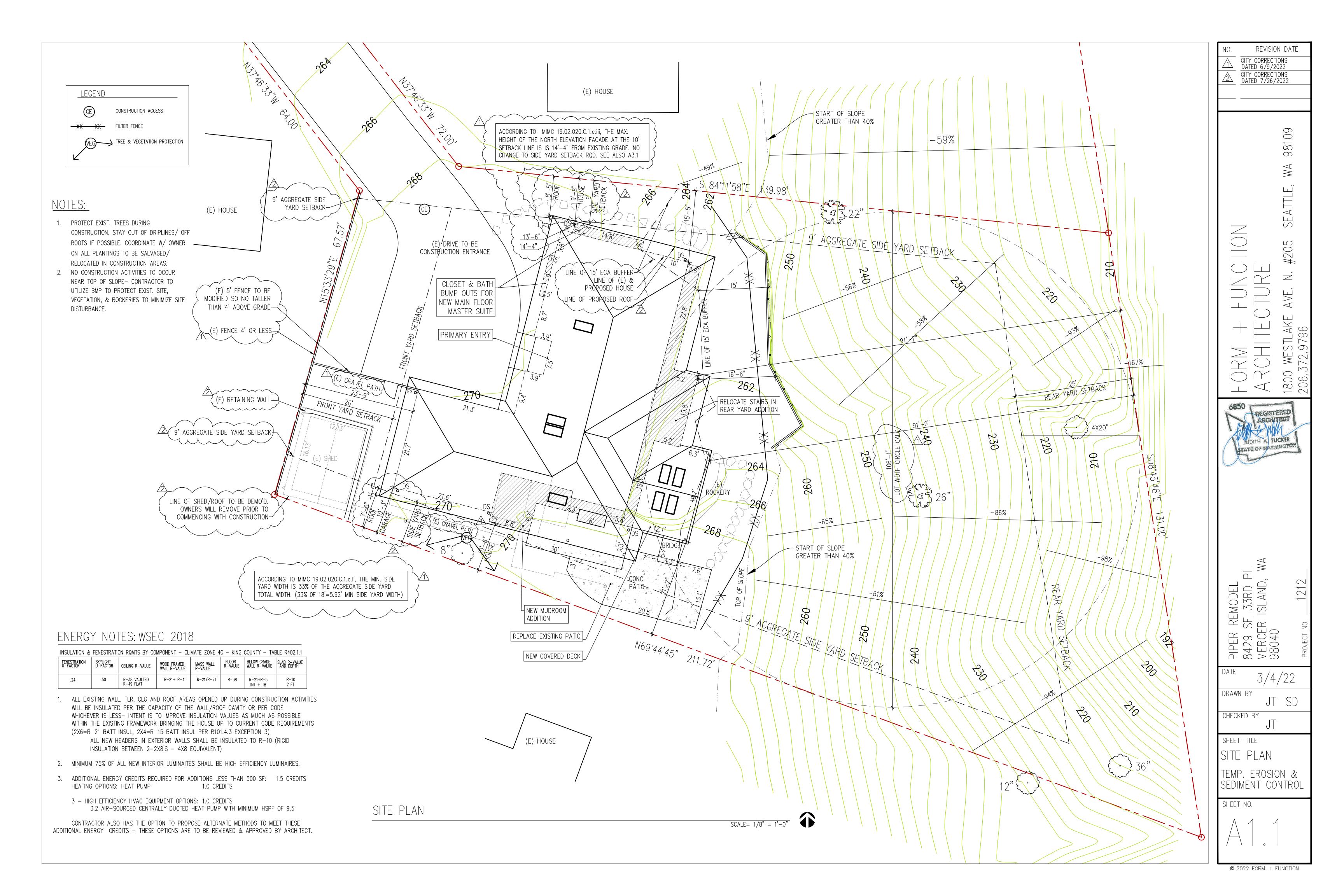
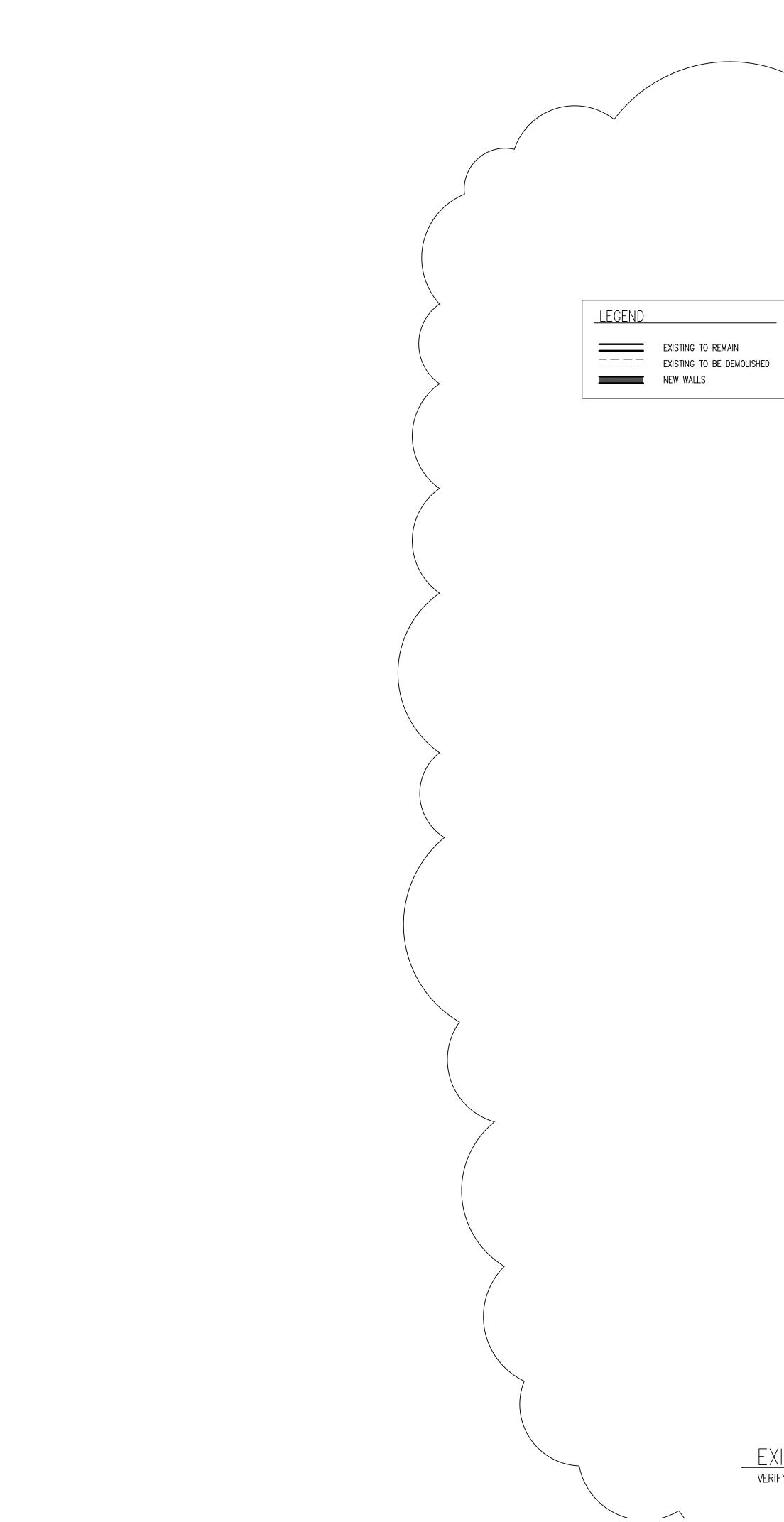
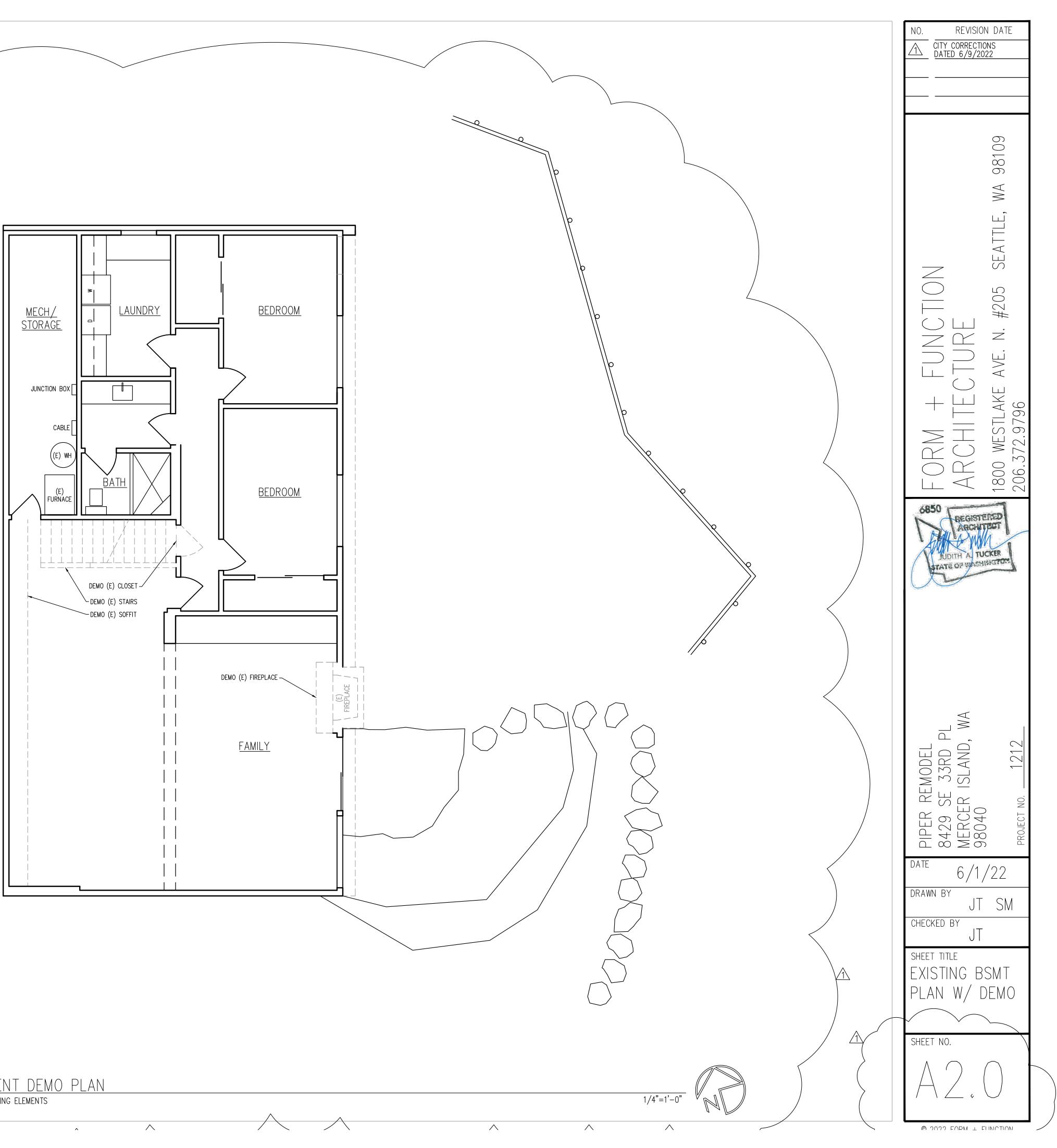


)IRE(CTORY:	TABLE	OF CONTE	ENTS:		CITY CORREC	
E 33RD	TE PIPER PLACE , WA 98040	ARCHITECTRU A 1.0 A 1.1	SITE PLAN & PRO	JECT NOTES AN, TEMPORARY EROSION	- 2.	DATED 6/9/2 CITY CORREC DATED 7/26/	TIONS
- FUNCT	ON ARCHITECTURE	A 2.0 A 2.1	SEDIMENT CONTROL EXISTING BASEMEN	L PLAN			
E, WA 9 572-979	8109	A 2.2 } { A 2.3 {	MAIN FLOOR & RO BASEMENT PLAN MAIN FLOOR PLAN	·······			-
RING:		A 3.0 A 3.1 A 3.2	EXTERIOR ELEVATIONS, DOOR S	SCHEDULE	JUF PLAN		98109
KERSON E, WA 9 285-451		A 3.3 STRUCTURAL		NR SECTION & DETAILS			WA 9
	McCANN	S 1.0 S 1.1 S 1.2	STRUCTURAL NOTE SHEARWALL SCHED HOLDDOWN SHEDUI	DULE & DETAILS LE & DETAILS			
GEO AS 36TH AV 00D, WA	E W, STE E	S 2.0 S 2.1		WALLS OVER FOUNDATION NG PLAN OVER BASEMEN			SEATTLE,
	MATTHEWS	S 2.2 S 6.0 S 8.0	ROOF FRAMING PLA TYPICAL CONCRETE MOMENT FRAME DE		IEARWALLS	\geq	SE,
NGINEER 35TH S A, WA 98	T, STW 200	S 8.1 S 8.2 S 8.3	MOMENT FRAME DE MOMENT FRAME DE MOMENT FRAME DE	ETAILS			#205
73–449		S 9.0 S 9.1 S 9.2 S 10.0	TYPICAL WOOD FRA TYPICAL WOOD FRA TYPICAL WOOD FRA TYPICAL COMPONE	AMING DETAILS AMING DETAILS AMING DETAILS			N. #2
		SURVEY	TOPOGRAPHIC SUR				AVE.
IOTE							${\smile}$
N: SOR	REMODEL MAIN FLOOR KIT YARD COVERED DECK, NEV GARAGE, NEW GUEST BATH 6666800250	N SIDE YARD I	MUDROOM ADDITION	TO CONNECT HOUSE TO			ESTLAN 9796
	8429 SE 33RD PL MERCE PARKRIDGE ADD, LOT 25	R ISLAND, WA	98040			ARC ARC	1800 WESTL 206.372.979
	SF 9.6 TYPE V B					6850	18
ICAL	LANDSLIDE HAZARD, EROS	ION CONTROL				REGIST	ERED
	FRONT YARD: 20' MIN REAR YARD: 25' MIN	COMBINED (17	7% of lot width: 1	106'-3")		JUDITH A TI	JCKER
	BASED ON LOT SLOPE. LC (270.0–192.0)/ 163.7' LO 30% – 50% LOT SLOPE A 30% OF 19,302 SF=5,790.	T SLOPE LINE: LLOWS FOR 30	= 47.6% SLOPE	ELEVATION = 270.0'			
	EXIST ROOF = NEW ROOF = EXIST. DRIVEWAY =		2659.6 SF 196.6 SF 2310.3 SF				
	NEW COVERED PATIO/ DEC EXIST. SHED ROOF = EXIST. SHED ROOF TO BE		413.4 SF 1 (289.5 SF) (-289.5 SF) 2	<u>`</u>			
	TOTAL LOT COVERAGE= ALLOWABLE LOT COVERAGE		{5579.9 SF (28 5790.6 SF (30	3.9%)/2		A	
<u>-</u> : (SEE SHEET A2.2 FOR IMF		ACE 1), PL	2
E:	EXIST UNCOVERED PATIOS EXIST WALKWAYS =		533.3 SF 100.0 SF	SEE (SHEET A2.3) F		REMODEL SE 33RD R ISLAND	1212
<u>/1</u>	EXIST. ROCKERIES/RETAINI EXIST. GRAVEL WALKWAY NEW UNCOVERED PATIOS		75.0 SF 370.9 SF 490.9 SF	TOTAL NEW HARD CALCULATIONS	SURFACE	REM SE 3 IR ISI	NO.
Δ	EXIST. CONC. PATIO (TO E		1036.8 SB (5.3	3%)		IPER 429 IERCE	
\frown	ALLOWABLE HARDSCAPE: BASEMENT=		1737.2 SF (9%	6 <i>)</i>		$\square \infty \ge C$	PR
\langle	EXISTING MAIN FLOOR= NEW MAIN FLR= EXISTING GARAGE= MAIN FLOOR COVERED DEC		466.6 SF 439.7 SF 460.9 SF 236.2 SF	$\sqrt{2}$		DATE 3/2	9/22
REA	TOTAL GROSS FLOOR ARE 40% OF 19,302=(7,720.8	A= SF ALLOWED	502.6 SF (18%)	<u></u>		drawn by JT	SD
TION:		6 (BELOW GRA GTH X 27.1	DE %) = 899.24 SF <u>COVERAGE =</u> 50.6	RESULT 15.2		снескед ву ЈТ	-
	B 5 C 2	53.7 27.1	7 100	3.8 27.1		Sheet title Cite di ani	
		53.7 51.6	100	53.7 99.8		SITE PLAN PROJ INFO	
	MAX 30' ABE (AVERAGE E (MID POINT ELEVATION X (60.044.25) / 229- 262	LENGTH OF WA		TH OF WALL SEGMENTS			
	(60,044.25) / 229= 262. AVERAGE GRADE= (Aa)+(A=267.6 a=64	Bb)+(Cc)+(Dd)	/a+b+c+d =			SHEET NO.	
	B=262.7 b=66 C=269.9 c=64	.1 .2					
	D=269.0 d=66 (267.6X64.2)+(262.7X66.1)+(269.0X66.1)/64.	2+66.1+64.2+66.1= 267	7.3'		\smile

(267.6X64.2)+(262.7X66.1)+(269.9X64.2)+(269.0X66.1)/64.2+66.1+64.2+66.1=267.3'AVERAGE EXISTING GRADE= 267.3', ALLOWABLE HT = 297.3'

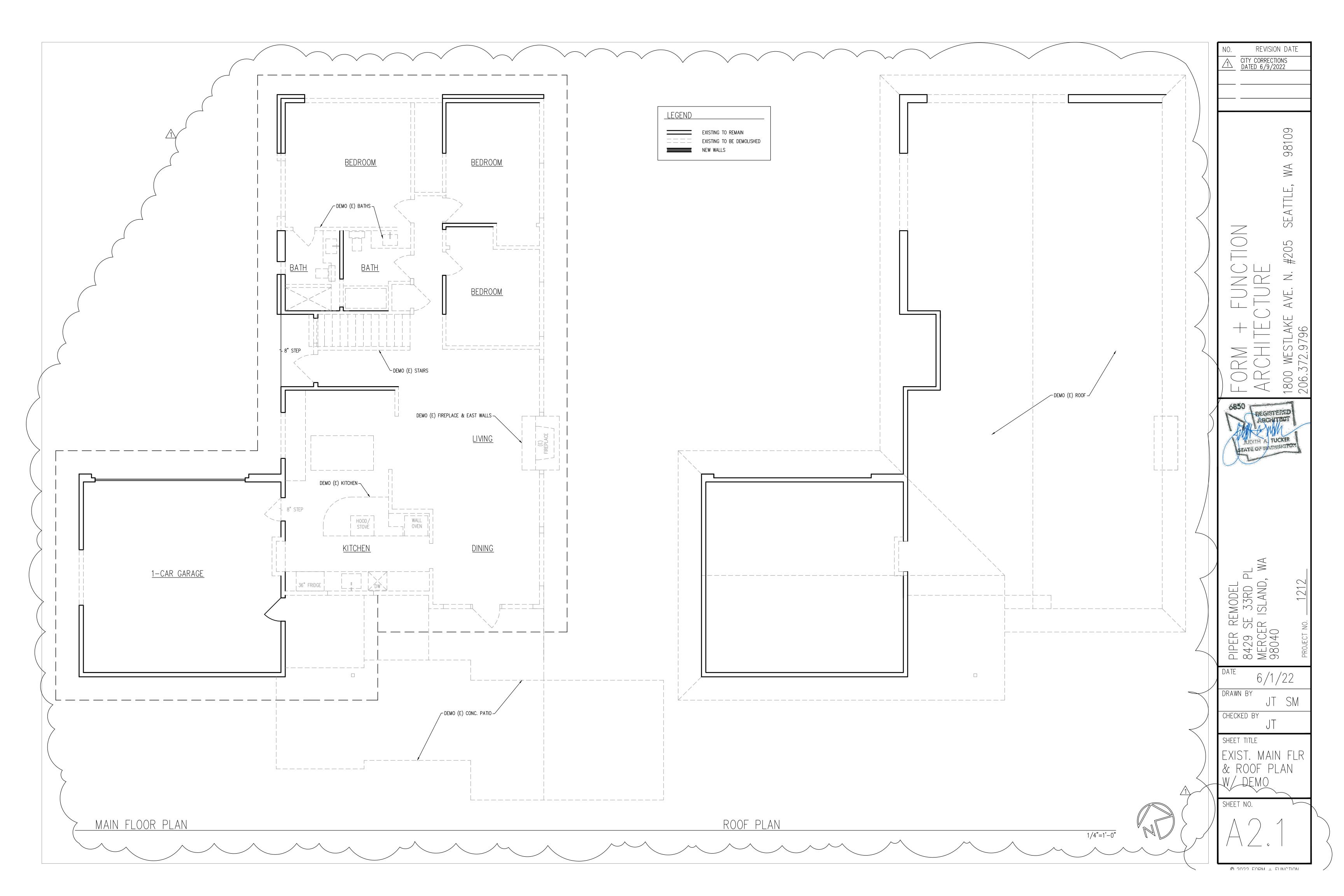


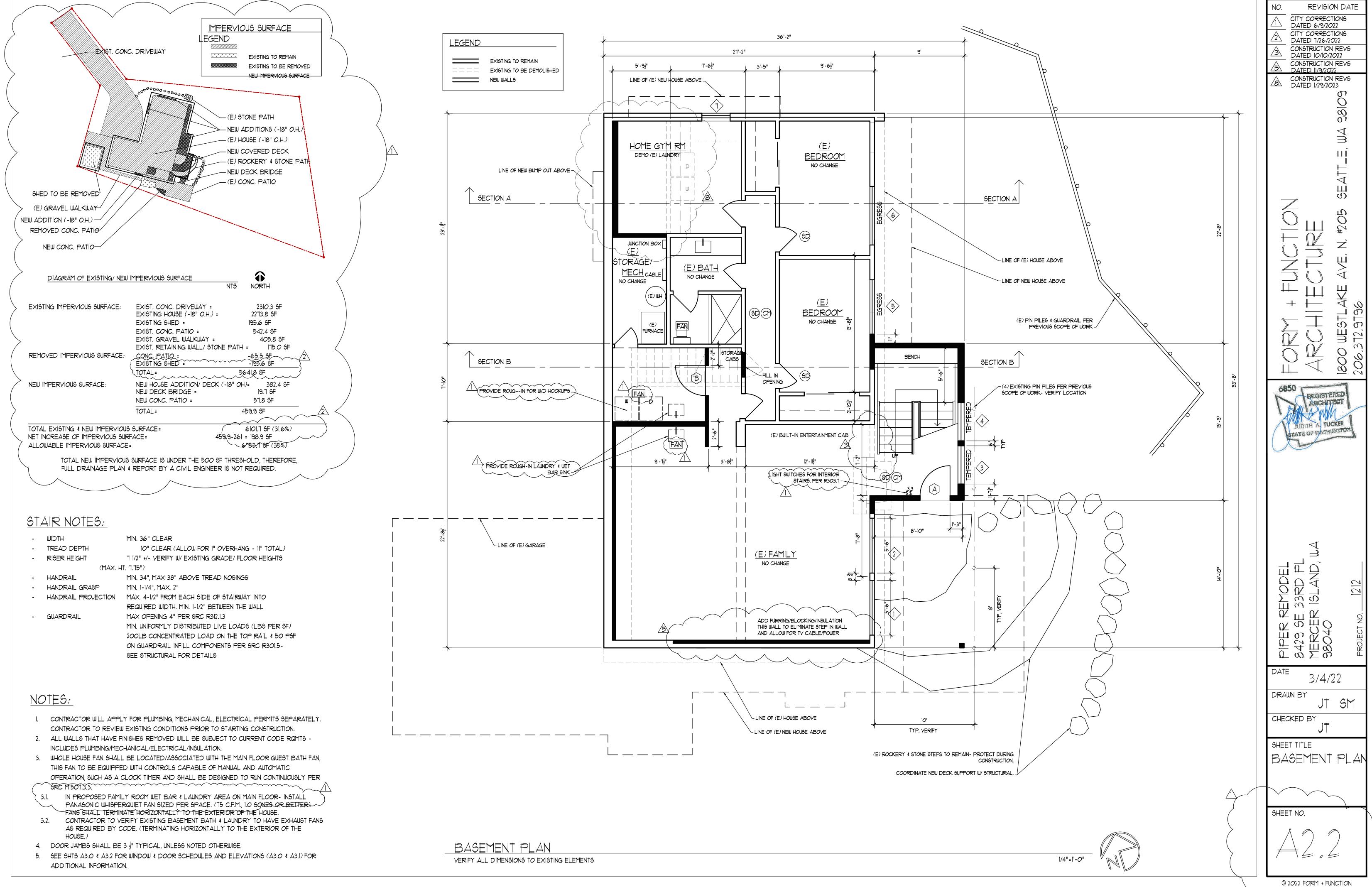


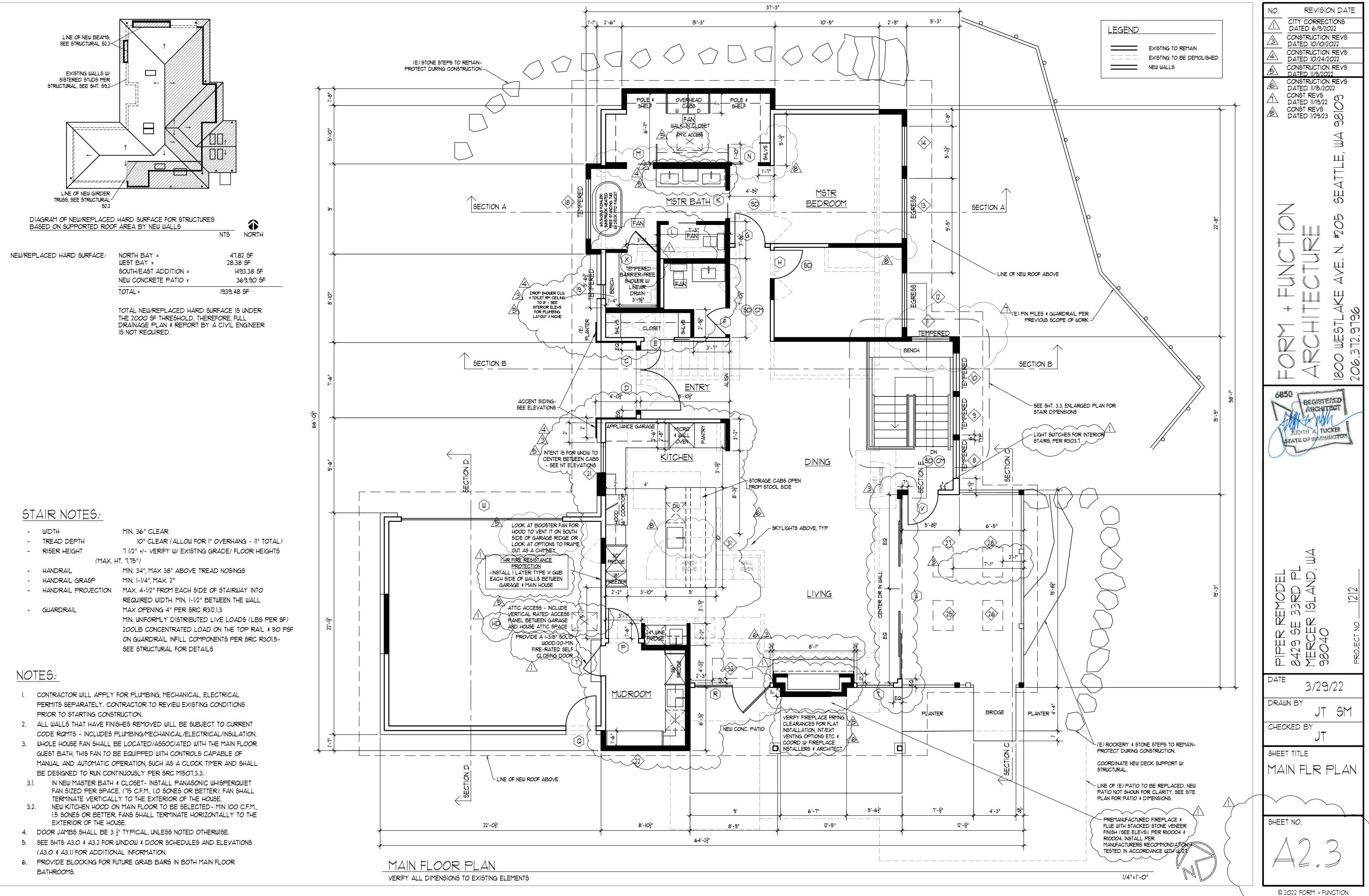


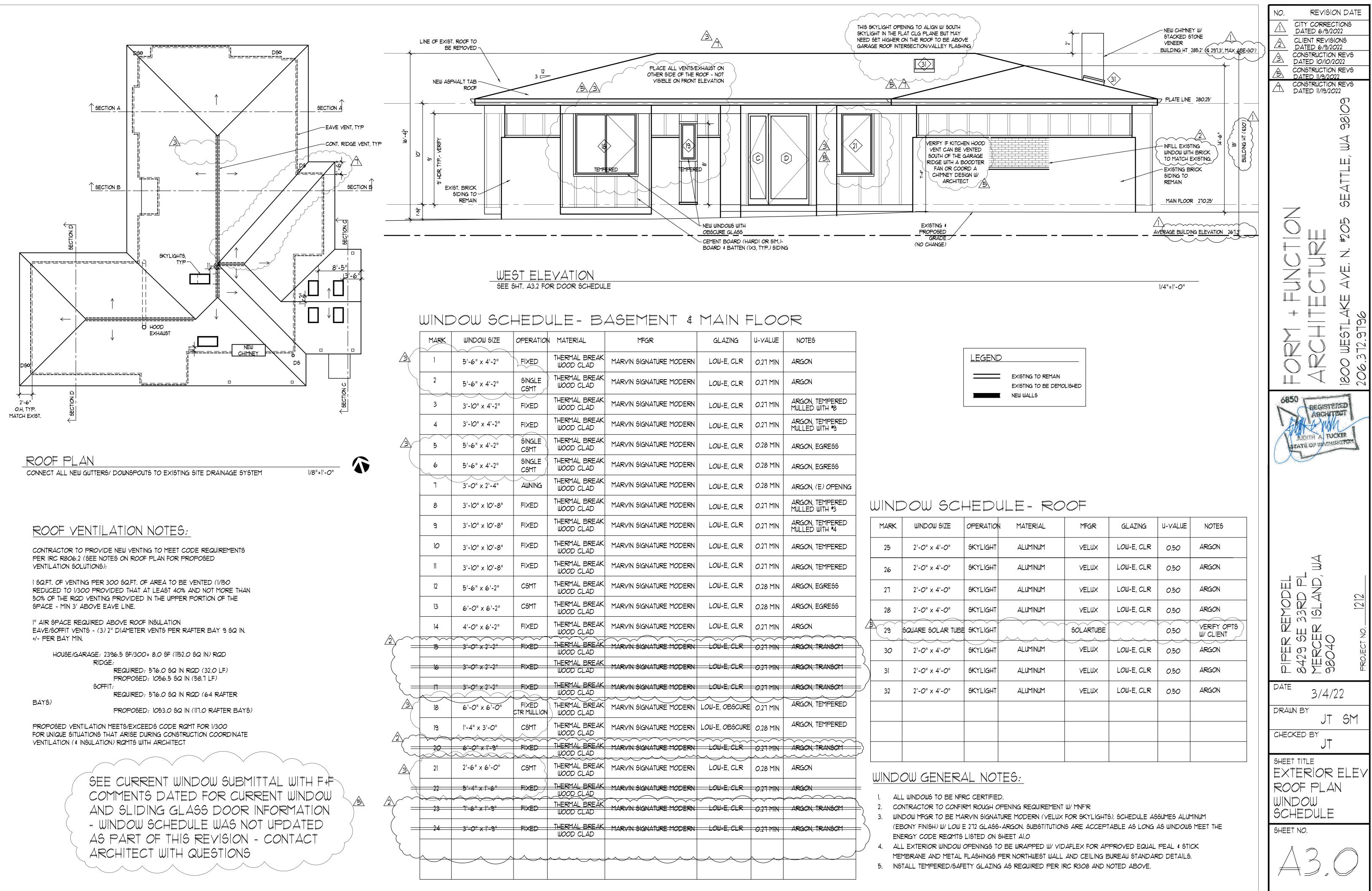
EXISTING BASEMENT DEMO PLAN VERIFY ALL DIMENSIONS TO EXISTING ELEMENTS

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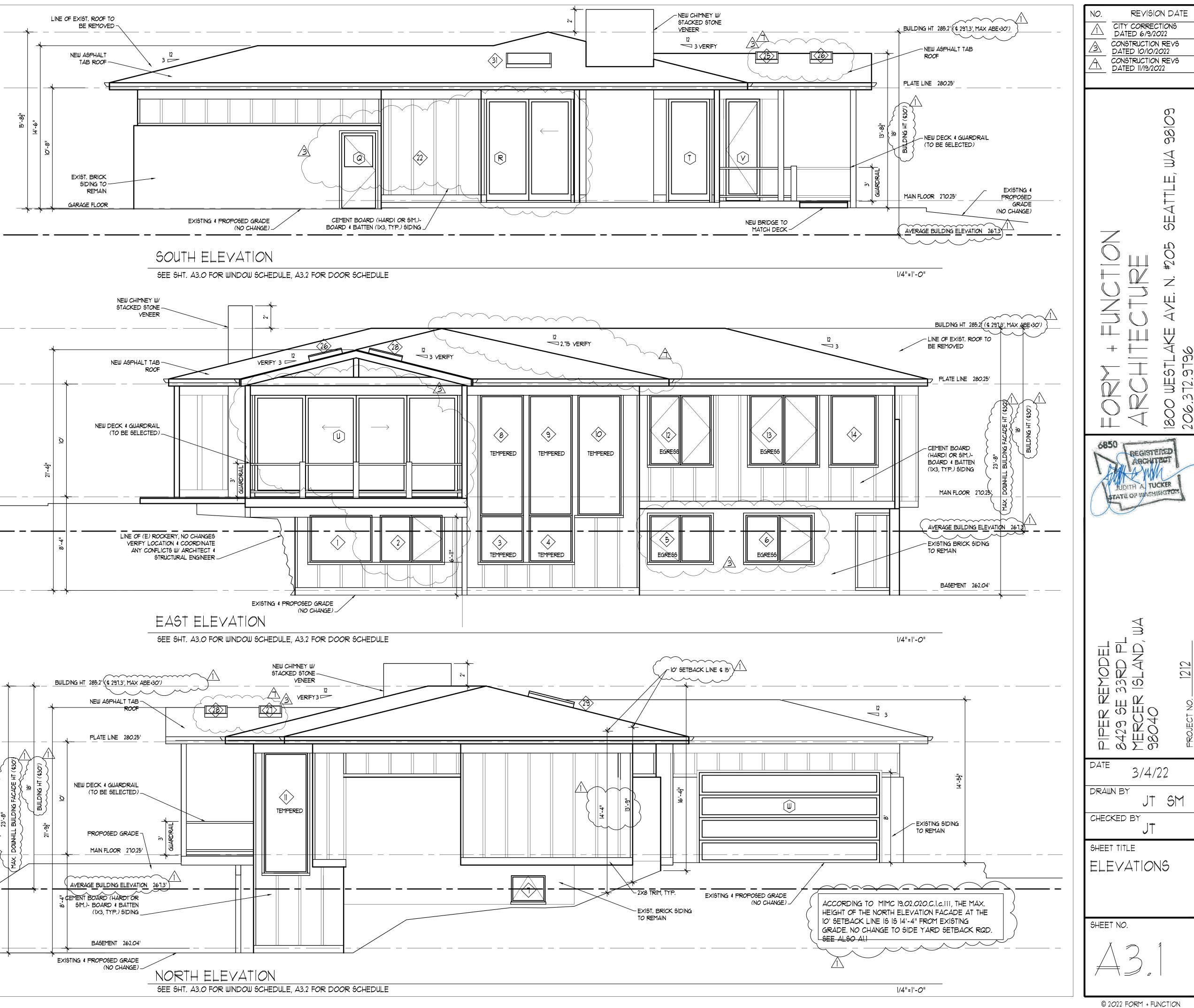






				AJEN EN A												
		OPERATIO	N MATERIAL	MFGR	GLAZING	U-VALUE	NOTES									
	5'-6" x 4'-2"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON			LEGEND						
	5'-6" x 4'-2"	SINGLE) THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON				EXISTING TO REMAIN EXISTING TO BE DEMO	LISHED				
	3'-10" x 4'-2"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TEMPERED MULLED WITH #8				NEW WALLS					
	3'-10" x 4'-2"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TEMPERED MULLED WITH #9									
	5'-6" x 4'-2"	SINGLE CSMT	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.28 MIN	ARGON, EGRESS									
	5'-6" x 4'-2"	SINGLE CSMT	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.28 MIN	ARGON, EGRESS									
	3'-O" × 2'-4"	AUNING	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.28 MIN	ARGON, (E) OPENING									
	3'-10" x 10'-8"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TEMPERED MULLED WITH #3	WINI	DOW SC	HEDU	LE- RC	OF				
	3'-10" x 10'-8"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TEMPERED MULLED WITH #4	MARK	WINDOW SIZE	OPERATION	MATERIAL	MFGR	GLAZING	U-VALUE	NOTES	
	3'-10" x 10'-8"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TEMPERED	25	2'-O" × 4'-O"	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	3'-10" x 10'-8"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TEMPERED	26	2'- <i>O</i> " × 4'- <i>O</i> "	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	5'-6" x 6'-2"	CSMT	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.28 MIN	ARGON, EGRESS	27	2'-O" × 4'-O"	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	6'-0" × 6'-2"	CSMT	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.28 MIN	ARGON, EGRESS	28	2'-O" × 4'-O"	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	4'-0" x 6'-2"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON	3 29	SQUARE SOLAR TUB	E SKYLIGHT		SOLARTUBE		0.50	VERIFY OPTS W/ CLIENT	
\sim	3'-0" x 2'-2"	FIXED	THERMAL BREAK	MARVIN SIGNATURE MODERN	LOW-E, CLR		ARGON, TRANSOM	2 30	2'-O" x 4'-O"	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	<u>3'-0" x 2'-2"</u>	FIXED	THERMAL BREAK WOOD CLAD	MARYIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TRANSOM	31	2'-O" × 4'-O"	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	3'-O" x 2'-2"	FIXED	THERMAL BREAK WOOD CLAD		LOW-E, CLR	0.27 MIN	ARGON, TRANSOM	32	2'-O" × 4'-O"	SKYLIGHT	ALUMINUM	VELUX	LOW-E, CLR	0.50	ARGON	
	6'-0" x 6'-0"	FIXED CTR MULLION	THERMAL BREAK	MARVIN SIGNATURE MODERN	LOW-E, OBSCURE	0.27 MIN	ARGON, TEMPERED									
	'-4" x 3'-0"	CSMT	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, OBSCURE	0.28 MIN	ARGON, TEMPERED									
	6'-0" x '-9"	FIXED	THERMAL BREAK	MARVIN SIGNATURE MODERN	LOW-E.CLR		ARGON TRANSOM	<u></u>						++		
\sim								<i>\$</i>								
	2'-6" × 6'-0"	CSMT	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.28 MIN	ARGON		OW GENER		Ξς,					
	5'-4" x '-6"	FIXED	THERMAL BREAK	MARVIN SIGNATURE MODERN			ARGON									
\downarrow			WOOD CLAD					1. AL	L WINDOWS TO BE NF	RC CERTIFIED.						
	✓		THERMAL BREAK	MARVIN SIGNATURE MODERN			ARGON TRANSOM		ONTRACTOR TO CONF		ENING REQUIREMENT	W/ MNF'R				
			WOOD CLAD)	NDOW MEGR TO BE M.				3). SCHEDULE AS	SUMES ALUM	IINUM	
	3'-O" x '-9"	FIXED	THERMAL BREAK WOOD CLAD	MARVIN SIGNATURE MODERN	LOW-E, CLR	0.27 MIN	ARGON, TRANSOM	< (Е	BONY FINISH) W/ LOW	E 272 GLASS-A	RGON. SUBSTITUTION					
								 ENERGY CODE REQMIS LISTED ON SHEET ALO 4. ALL EXTERIOR WINDOW OPENINGS TO BE WRAPPED W/ VIDAFLEX FOR APPROVED EQUAL PEAL & STICK MEMBRANE AND METAL FLASHINGS PER NORTHWEST WALL AND CEILING BUREAU STANDARD DETAILS. 5. INSTALL TEMPERED/SAFETY GLAZING AS REQUIRED PER IRC R308 AND NOTED ABOVE. 								

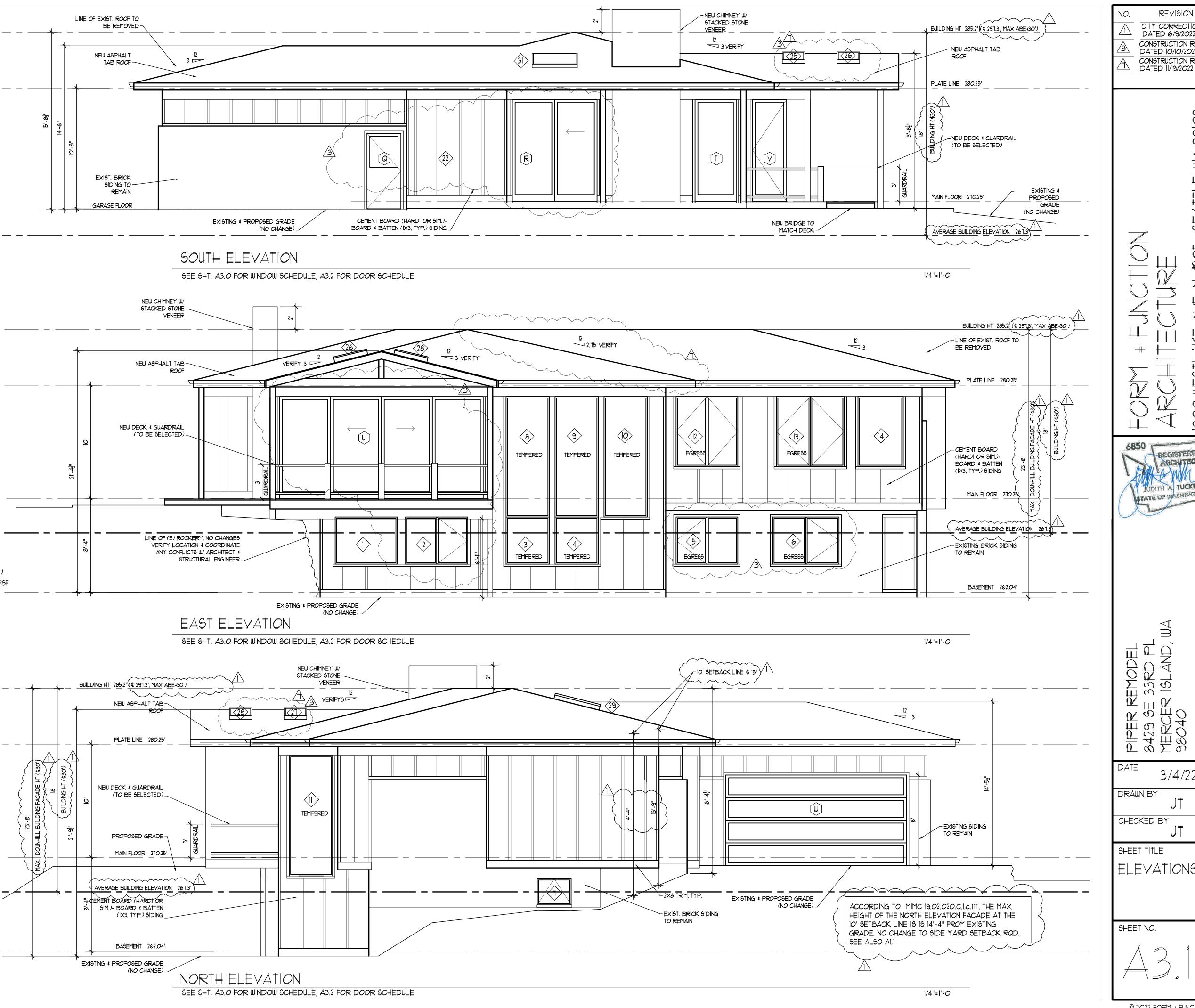
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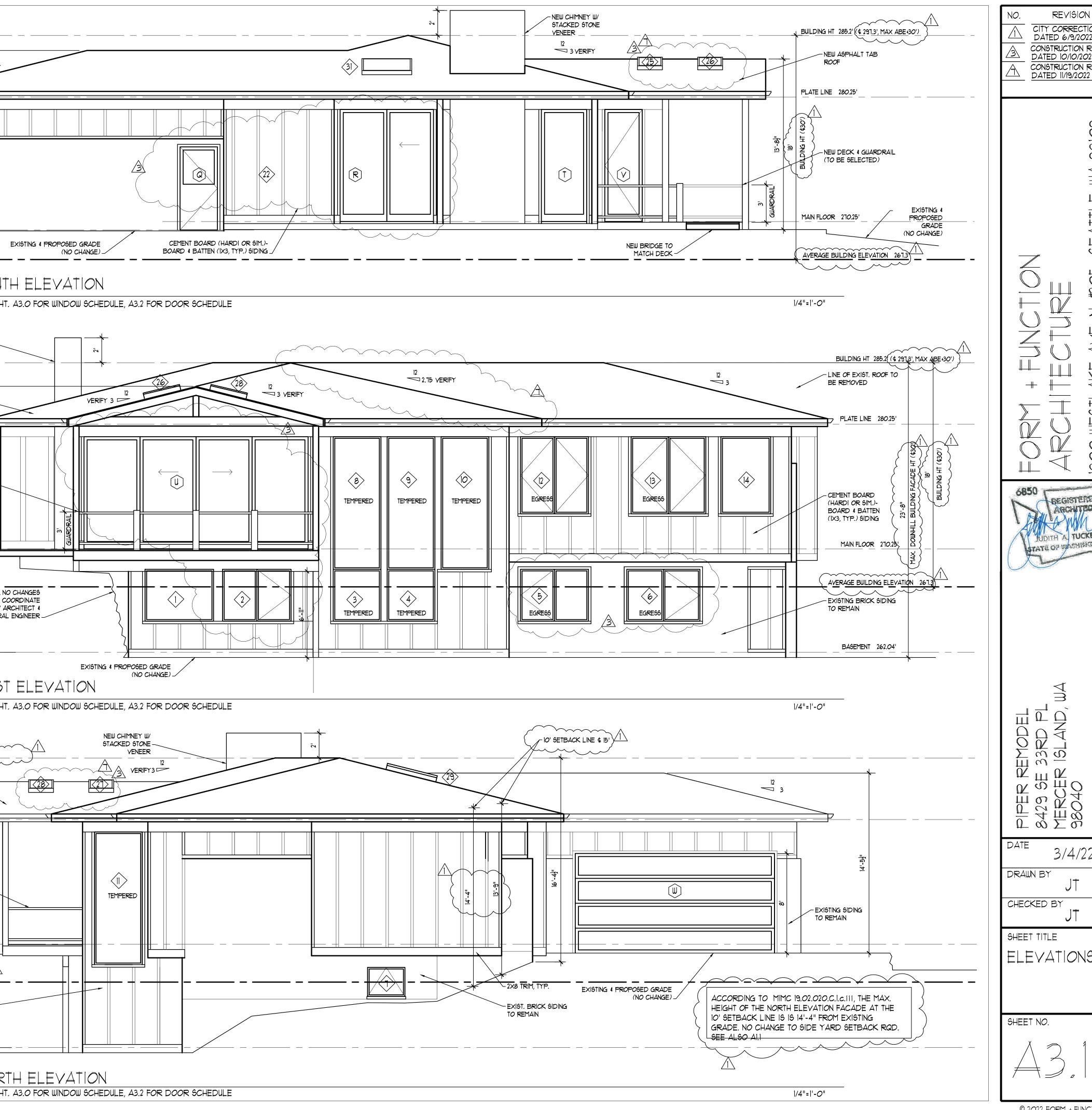


LEGEND _____ EXISTING TO REMAIN EXISTING TO BE DEMOLISHED NEW WALLS STAIR NOTES: - WIDTH MIN. 36" CLEAR - TREAD DEPTH 10" CLEAR (ALLOW FOR 1" OVERHANG - 11" TOTAL) 7 1/2" +/- VERIFY W/ EXISTING GRADE/ FLOOR HEIGHTS RIGER HEIGHT (MAX. HT. 7.75") HANDRAIL MIN. 34", MAX 38" ABOVE TREAD NOSINGS HANDRAIL GRASP MIN. 1-1/4", MAX. 2" - HANDRAIL PROJECTION MAX. 4-1/2" FROM EACH SIDE OF STAIRWAY INTO REQUIRED WIDTH. MIN. 1-1/2" BETWEEN THE WALL - GUARDRAIL MAX OPENING 4" PER SRC R312.1.3 MIN. UNIFORMLY DISTRIBUTED LIVE LOADS (LBS PER SF) 200LB CONCENTRATED LOAD ON THE TOP RAIL \$ 50 PSF ON GUARDRAIL INFILL COMPONENTS PER SRC R301.5-SEE STRUCTURAL FOR DETAILS

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DOOR SCHEDULE- BASEMENT & MAIN FLOOR

MARK	DOOR SIZE W X H	OPERATION	MATERIAL	GLAZING	U-VALUE	NOTES
A	3'-0" x 6'-8"	SWING	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL KEYED LOCK & DEADBOLT (MATCH HOUSE KEY)
В	3'-0" x 6'-8"	SWING	SC WOOD	NA	NA	PRIVACY LATCH
С	2'-0" x 9'-0"	SWING/ FRENCH DR	SC WOOD OR GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.20 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL- COORD. ASTRIGAL OPTIONS W/ ARCHITECT
D	4'-0" x 9'-0"	SWING/ FRENCH DR	SC WOOD OR GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.20 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL KEYED LOCK & DEADBOLT (MATCH HOUSE KEY)
E	3'-0" x 6'-8"	POCKET	SC WOOD	NA	NA	
F	2'-8" x 6'-8"	SWING	SC WOOD	NA	NA	PRIVACY LATCH
G	3'-0" x 6'-8"	SWING	SC WOOD	NA	NA	PRIVACY LATCH
Н	2'-10" x 6'-8"	SWING	SC WOOD	NA	NA	PRIVACY LATCH
	NOT USED FOR	CLARITY				
J	2'-10" x 6'-8"	POCKET	SC WOOD	NA	NA	PRIVACY LATCH
K	2'-10" x 6'-8"	POCKET	SC WOOD	NA	NA	PRIVACY LATCH
L	2'-10" x 6'-8"	POCKET	SC WOOD	NA	NA	PRIVACY LATCH
М	2'-8" x 6'-8"	POCKET	SC WOOD	NA	NA	PRIVACY LATCH
Ν	2'-8" x 6'-8"	POCKET	SC WOOD	NA	NA	
0	NOT USED FOR	CLARITY		[
Ρ	3'-0" x 6'-8"	SWING	SC WOOD	NA	NA	
Q	3'-0" x 6'-8"	SWING	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
R	2'-6" x 9'-0"	FIXED/ FRENCH DR	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
S	(2) 2'-6" x 9'-0"	SWING/ FRENCH DR	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
T	3'-8" x 9'-0"	FIXED/ FRENCH DR	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
U	(6) 3'-0" x 9'-0"	SLIDER/ FRENCH DR	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
V	3'-0" x 9'-0"	SWING/ FRENCH DR	GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
W	16'-0" x 8'-0"	GARAGE	OBSCURE GLASS/ SC WOOD	LOW E/ARGON TEMPERED	0.30 MIN	KEYED LOCK & DEADBOLT (MATCH HOUSE KEY) THRESHOLD BY MFGR W/ WEATHERSTRIPPING FOR TIGHT SEAL
X	2'-6" x 6'-0"	SHOWER	GLASS	NA	NA	TEMPERED GLASS
Y	3'-0" x 6'-8"	SWING	SC WOOD	NA	NA	20 MIN RATED DR ON CLOSER ALUMINUM THRESHOLD BY PEMCO OR EQUAL SMOKE GASKETING FOR A TIGHT SEAL

DOOR GENERAL NOTES:

1. ALL DOORS TO BE NFRC CERTIFIED.

2. CONTRACTOR TO CONFIRM ROUGH OPENING REQUIREMENT W/ MNF'R

3. ALL INTERIOR & EXTERIOR DOORS BY LOEWEN OR SIMPSON OR EQUIVALENT.

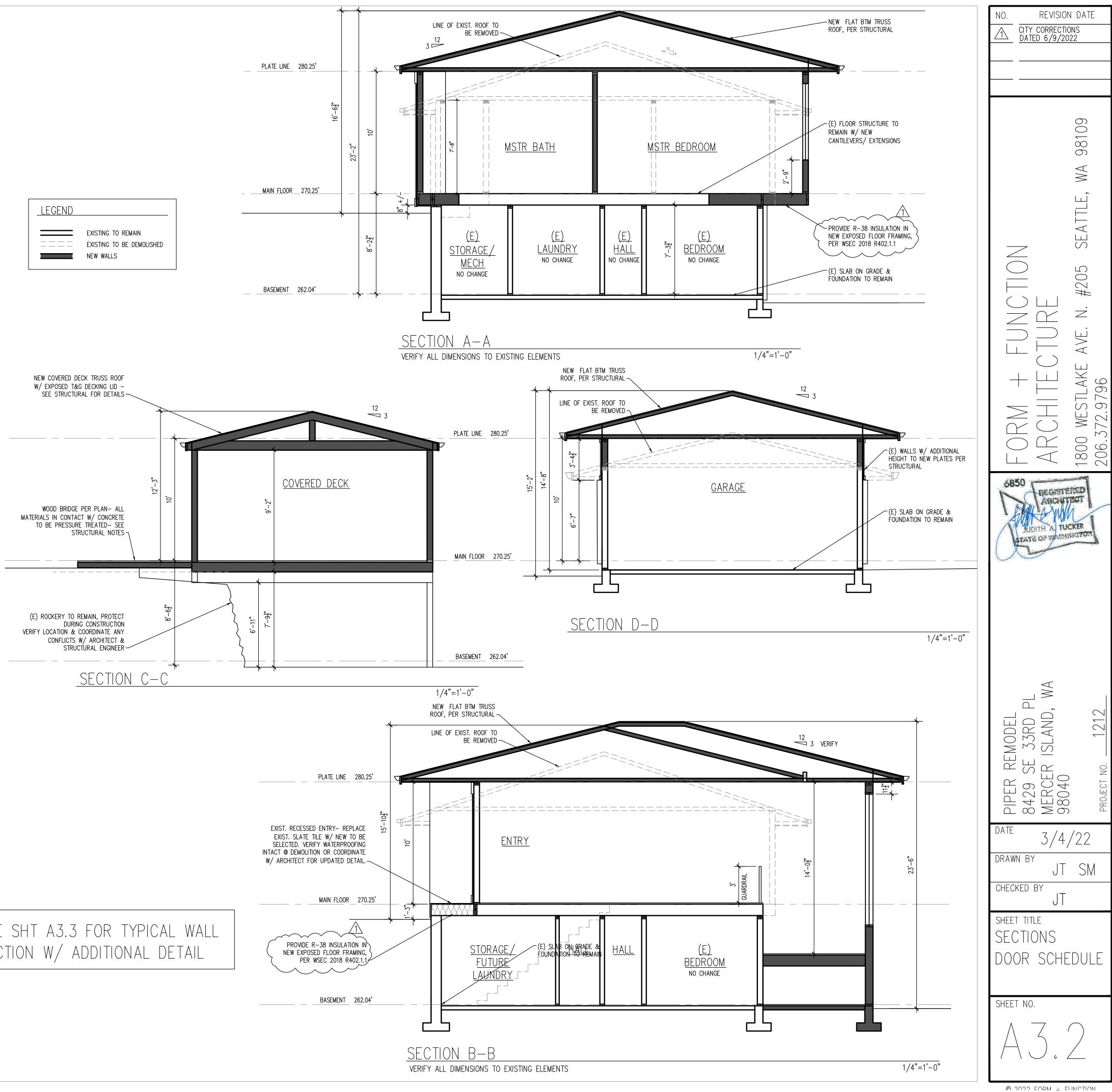
4. SET EXTERIOR DOORS IN DOOR PAN PER NORTHWEST WALL & CLG BUREAU STANDARD DETAILS

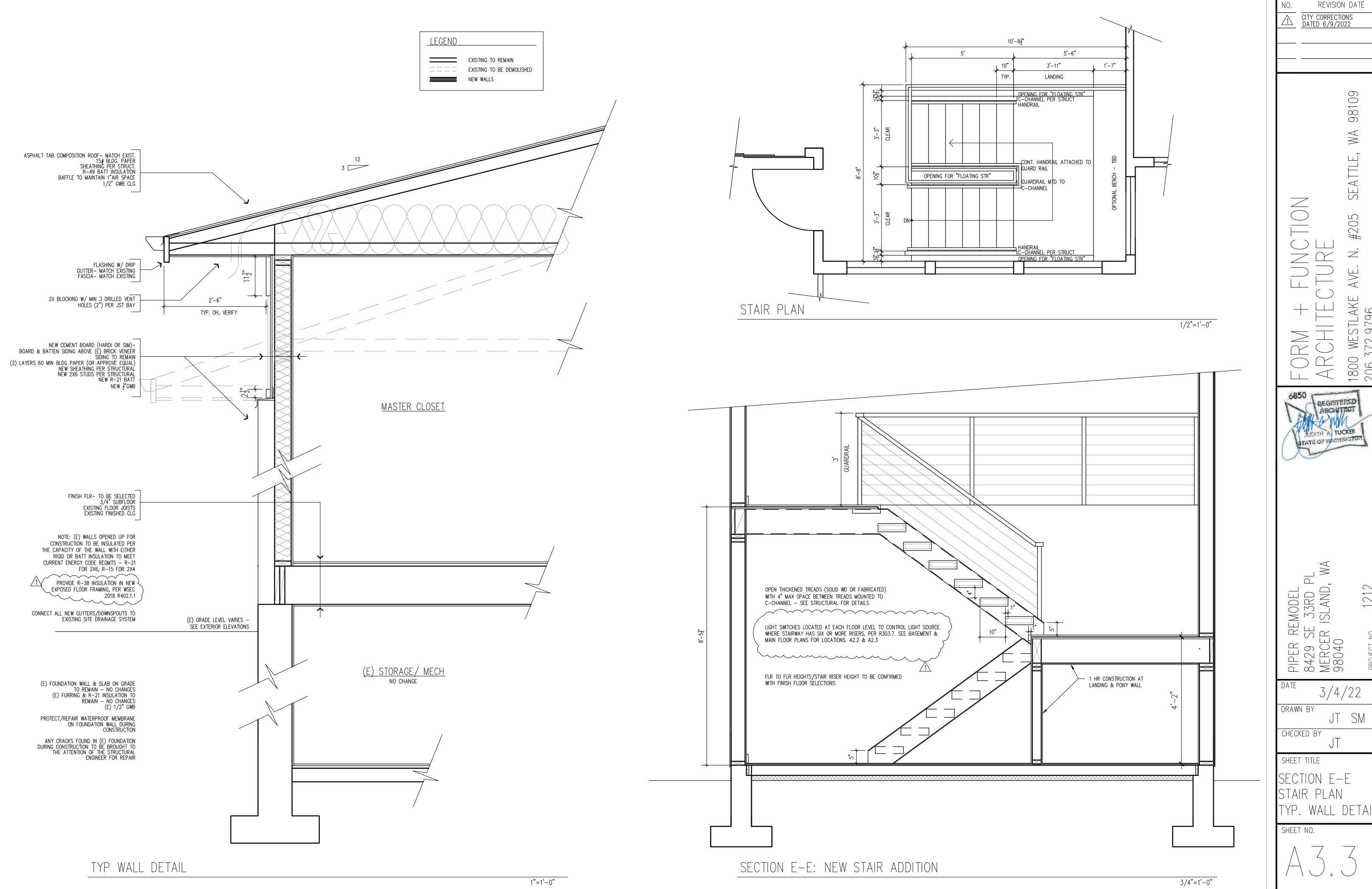
- 5. ALL EXT. DOOR OPENINGS TO BE WRAPPED W/ VIDAFLEX F OR APPROVED EQUAL PEEL & STICK OR
- METAL FLASHINGS PER THE NORTHWEST WALL & CLG BUREAU STANDARD DETAILS
- 6. ALL U-VALUES PROVIDED FOR DOORS ARE PRESCRIPTIVE VALUES (MINIMUMS TO BE USED) UNTIL

SPECIFIC MANUFACTIRERS/DOOR MODELS ARE SELECTED.

7. ALL HARDWARE TO BE LEVER TYPE- FINISH TO BE SELECTED.

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01000 - GENERAL REQUIREMENTS

THE STRUCTURAL NOTES SUPPLEMENT THE PLANS AND SPECIFICATIONS. ANY DISCREPANCY FOUND BETWEEN THE DRAWINGS, NOTES, SPECIFICATIONS, SITE CONDITIONS, AND ARCHITECTURAL PLANS SHALL BE REPORTED TO THE ARCHITECT WHO SHALL CORRECT THE DISCREPANCY IN WRITING. ANY WORK COMPLETED AFTER DISCOVERY OF THE DISCREPANCY SHALL BE DONE AT THE CONTRACTOR'S RISK. REFER TO ARCHITECTURAL PLANS FOR OPENINGS, ARCHITECTURAL TREATMENTS, AND DIMENSIONS NOT SHOWN. CONSULT MECHANICAL PLANS FOR DUCTS AND PIPES ETC. NOT SHOWN.

THE CONTRACTOR SHALL PROVIDE BRACING AND SUPPORT REQUIRED FOR TEMPORARY CONSTRUCTION LOADS AND FOR STRUCTURAL COMPONENTS AS REQUIRED DURING ERECTION. BACKFILL BEHIND WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK INCLUDING BUT NOT LIMITED TO EXCAVATION, SHORING, AND OTHER WORK WITH ALL UTILITIES AND ADJACENT PROPERTIES. CALL THE UTILITY LOCATE SERVICE PRIOR TO ANY WORK AT 1-800-424-5555.

01001 - CODE REQUIREMENTS

ALL DESIGN AND CONSTRUCTION SHALL CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE AS ADOPTED BY SEATTLE, WASHINGTON.

01100 - DESIGN LOADS DEAD LOADS:

ACTUAL WEIGHT OF MATERIALS OF CONSTRUCTION AND PERMANENT EQUIPMENT.

FLOOR LIVE LOADS: FLOORS (RESIDENTIAL) DECKS	40 PSF 60 PSF	
ROOF LIVE LOADS: ROOF	20 PSF	
SNOW LOAD DESIGN DATA: Pg = 20 PSF, Pf = 20 PSF, Ce = 0.9, Is = 1.0, Ct = 1.0,	25 PSF UNIFO	RM
WIND DESIGN DATA: BASIC WIND SPEED WIND IMPORTANCE FACTOR WIND EXPOSURE TOPOGRAPHICAL FACTOR INTERNAL PRESSURE COEFFICIENT COMPONENT/CLADDING WIND PRESSURE	100 MPH (3-SE lw = 1.0 EXPOSURE B Kzt = 1.3 GCpi = +/- 0.18 P(C) = 25 PSF	
EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR OCCUPANCY CATEGORY SPECTRAL RESPONSE ACCELERATIONS SITE CLASS SPECTRAL RESPONSE COEFFICIENTS SEISMIC DESIGN CATEGORY	le = 1.0 II Ss = 1.401 D SDS = 0.934 D	
(E-W) EQUIVELENT LATERAL FORCE - BEARING WALL SYSTEM W/LIGHT FRAMED WOOD WALLS SHEATHED WITH WOOD STRUCTURAL PANELS RATED FOR SHEAR RESISTANCE T = 0.189 (LESS THAN 1.5*Ts) THEREFORE NO PER ASCE 7-17 SECTION 11.4.8 EXCEPTION #) SITE RESPONS	
(N-S) COMBINATION OF FRAMING SYSTEMS IN THE SAME DIRECTION (ASCE 7-16 12.2.3) R R = 3.5 ORDINARY MOMENT FRAME. GOVERN	R = 6.5 WOOD FF	RAMED SHEAR WALLS,
01200 - GEOTECNICAL INVESTIGATION FOUNDATION DESIGN BASED ON REPORT NO. 2537.0 REPORT DATED FEBRUARY 28, 2022 PREPARED BY 2 FOUNDATION CONSTRUCTION TO BE PERFORMED F CERTIFIED INSPECTOR WITH LOG CONFIRMING EAC REFUSAL CRITERIA. FILLS TO BE COMPACTED TO 95 INSTALLED IN LIFTS NO GREATER THEN 10 INCHES. J INTERIOR AND EXTERIOR SLABS ON GRADE SHALL E ASTM D-1557.	ZIPPER GEO AI PER REPORT. AI H PILE DRIVEN 1% MODIFIED PF A MINIMUM OF	LL SITE PREPARATION AND LL PILE DRIVING TO BE INSPECTED BY A IN ACCORDANCE WITH SOILS REPORT ROCTOR PER ASTM D-1557, AND 12 INCHES OF SOIL UNDER NEW
ALL FOUNDATIONS SHALL BE FOUNDED ON PIPE PIL SOILS OR ABOVE PROPERLY COMPACTED STRUCTU STRENGTH PLACED ABOVE ADEQUATE NATIVE SOIL ENGINEER. WHERE FOUNDATIONS ARE FOUNDED A NET BEARING CAPACITY OF 2000 PSF HAS BEEN USE	JRAL FILL OR CI S PER THE DISC TOP CONDITION	DF WITH 100 PSI COMPRESSIVE CRESSION OF THE GEOTECHNICAL NS DESCRIBED ABOVE, AN ALLOWABLE
GEOTECHNICAL DESIGN PARAMETERS HAVE BEEN	COORDINATED	WITH ZIPPER GEO AS LISTED BELOW
DESIGN PARAMETERS ARE AS FOLLOWS: PASSIVE EARTH PRESSURE	400 PCF (ULTI	MATE)

PASSIVE EARTH PRESSURE	400 PCF (ULTIMATE)
COEFFICIENT OF FRICTION	0.5 (ULTIMATE)
SOIL PROFILE	SITE CLASS D

ALL FOUNDATION INSTALLLATIONS SHALL BE SUBJECT TO APPROVAL OF THE GEOTECHNICAL ENGINEER.

PIPE PILE: INSTALLATION REQUIREMENTS:

TWO AND THREE INCH DIAMETER PIPE PILE SHALL CONSIST OF PIPE PER ASTM A53 GRADE B AND BE DRIVEN AT LEAST 10 FEET INTO COMPETENT SOIL. PIPE PILE REACHING THE FOLLOWING PENETRATION RATES MAY BE ASSIGNED THE FOLLOWING COMPRESSIVE CAPACITIES. PIPE PILE SHALL BE INSTALLED USING A HYDRAULIC IMPACT HAMMER CARRIED ON LOADS THAT ALLOW THE HAMMER TO SIT ON THE TOP OF THE PILE DURING DRIVING. IF ALTERNATE DRIVING MEATHODS ARE USED, COORDINATE REQUIRED LOAD TESTS WITH GEOTECHNICAL ENGINEER. GEOTECHNICAL SPECAIL INSPECTOR SHALL BE CONTINOUSLY PRESENT DURING PIPE PILE INSTALLATION. (F.D.R. - FINAL DRIVING RATE):

PILE DIAMETER	F.D.R. 90 LB. PERCUSSION DRIVER	F.D.R. 650 LB PERCUSSION DRIVER	ALLOWABLE COMP. CAPACITY
2 INCH (X-STRONG) SCHEDULE 80	60 SEC/INCH	NA	3 TONS (6,000 LB)
3 INCH (STANDARD) SCHEDULE 40	NA	15 SEC/INCH	6 TONS (12,000 LB)
(E) 4 INCH	NA	NA	10 TONS (20,000 LB)

FIELD TESTING REQUIREMENTS:

LOAD TESTS ARE NOT REQUIRED FOR TWO OR THREE INCH DIAMETER PIPE PILES THAT ARE DRIVEN IN ACCORDANCE WITH THE RECOMMENDATIONS PRESENTED IN JANUARY 28, 2022 REPORT PREPARED BY ZIPPER GEO, AND PROVIDED THAT A ZGA REPRESENTATIVE OBSERVES INSTALLATION OF THE PILES AND VERIFIES THAT REFUSAL HAS BEEN ACHIEVED.

01300 - SHOP DRAWING SUBMITTAL PROCESS

SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT AND ENGINEER OF RECORD FOR APPROVAL PRIOR TO FABRICATION. IF SHOP DRAWINGS DIFFER FROM THE APPROVED DESIGN DRAWINGS, NEW DESIGN DRAWINGS BEARING THE SEAL AND SIGNATURE OF A LICENSED STATE OF WASHINGTON STRUCTURAL ENGINEER SHALL BE SUBMITTED ALONG WITH THE SHOP DRAWINGS TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO FABRICATION.

SHOP DRAWINGS ARE REQUIRED FOR STRUCTURAL STEEL AND PROPRIETARY GUARD COMPONENT.

01400 - INSPECTIONS AND SPECIAL INSPECTIONS THE CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL INSPECTIONS REQUIRED BY THE LOCAL BUILDING DEPARTMENT.

SPECIAL INSPECTIONS ARE NOT REQUIRED FOR GROUP R-3 OCCUPANCIES UNLESS OTHERWISE REQUIRED BY THE BUILDING OFFICIAL.

01600 - QUALITY ASSURANCE REQUIREMENTS

THE QUALITY ASSURANCE PLAN SHALL BE TO VERIFY THAT THE SPECIAL INSPECTIONS NOTED IN SECTION 01400 AND THE STRUCTURAL OBSERVATION NOTED IN SECTION 01500 HAVE BEEN COMPLETED AND THAT SUPPORTING DOCUMENTATION NOTED IN SUCH SECTIONS HAS BEEN PROVIDED.

QUALITY ASSURANCE PLAN IS NOT REQUIRED FOR STRUCTURES OF LIGHT WOOD FRAMING WITH DESIGN SPECTRAL RESPONSE AT SHORT PERIODS, SDS, NOT EXCEEDING 0.50g.

QUALITY ASSURANCE PLAN IS NOT REQUIRED FOR WIND EXPOSURE B WHERE BASIC WIND SPEED IS LESS THAN 120 MPH.

SUMMARY: A QUALITY ASSURANCE PLAN IS NOT REQUIRED BY CODE FOR THIS STRUCTURE.

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01700 - EXECUTION REQUIREMENTS INSTALLATION OF ALL STRUCTURAL COMPONENTS SHALL BE AS REQUIRED PER ALL LOCAL

02000: SITE CONSTRUCTION ALL SITE CONSTRUCTION SHALL BE CONSISTENT WITH THE GEOTECHNICAL ENGINEERING RECOMMENDATIONS AS NOTED IN THE GEOTECHNICAL ENGINEERING REPORT (SEE SECT AND IN SUBSEQUENT DIRECTIVES.

02100 - EXCAVATION SUPPORT AND PROTECTION

EXCAVATION FOR FOUNDATIONS SHALL BE PER PLAN DOWN TO UNDISTURBED NATIVE MA THE GEOTECHNICAL ENGINEERING RECOMMENDATIONS. OVER-EXCAVATED AREAS SHALL BACKFILLED WITH LEAN CONCRETE OR PER GEOTECHNICAL RECOMMENDATIONS AT THE CONTRACTOR'S EXPENSE.

EXCAVATION SLOPES SHALL BE SAFE AND SHALL NOT BE GREATER THAN THE LIMITS SPEC LOCAL, STATE, AND NATIONAL SAFETY REGULATIONS.

INSTALLATION OF CONSTRUCTION SHORING, IF REQUIRED, SHALL BE PER THE SHORING D NOTES, AND SPECIFICATIONS.

02200 - BACKFILL AND COMPACTION

BACKFILL SHALL NOT BE PLACED UNTIL THE REMOVAL OF FORMWORK AND OF ANY DEBRI BEHIND ALL WALLS SHALL NOT BE PLACED UNTIL THE WALLS ARE PROPERLY SUPPORTED MATERIAL AND PLACEMENT PROCEDURES SHALL BE CONSISTENT WITH THE GEOTECHNIC RECOMMENDATIONS.

03000 - CAST-IN-PLACE CONCRETE

CONCRETE CONSTRUCTION SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE ST 318-14 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".

CEMENT AND CONCRETE SHALL CONFORM TO IBC SECTION 1903. ADMIXTURES SHALL BE THE ENGINEER OF RECORD AND SHALL COMPLY WITH ACI 318-14 SECTION 3.6. CONCRETE EXPOSED TO FREEZING AND THAWING SHALL HAVE AN AIR ENTRA ADMIXTURE CONFORMING TO IBC SECTION 1904.2. THE USE OF WATER SOLUBLE CHLORID NOT BE USED.

CONCRETE MIX DESIGNS SHALL MEET THE FOLLOWING REQUIREMENTS: (1) 28 DAY MAX. STRENGTH fc [PSI] (2) MAX. WATER / CEMENT RATIO (3) MAX. SLUMP [IN] (4) ÈNTRAINMENT [%] (5) SPECIAL INSPECTION REQUIRED (6) MIN. 90 LB SACKS OF CEMENT (7 APPLICATION.

(1) 3000 3000 3000 3000 3000	(2) 0.45 0.41 0.50 0.45 0.50	(3) 4+/-1 5+/-1 5+/-1 5+/-1	(4) 5+/-1 0+/-1 5+/-1 5+/-1	(5) NO NO NO NO	(6)	(7) EXTERIOR SLAB ON GRADE INTERIOR SLAB ON GRADE FOOTINGS AND GRADE BEAMS STEMS ALL OTHER CONCRETE
---------------------------------------------	---------------------------------------------	-----------------------------------------	-----------------------------------------	-----------------------------	-----	--------------------------------------------------------------------------------------------------------------------

SPECIAL INSPECTION IS NOT REQUIRED AS THE DESIGN IS BASED ON fc = 2500 PSI. CHAMFER ALL EXPOSED CORNERS PER THE ARCHITECTURAL PLANS OR 3/4 INCH IF NOT S THE ARCHITECT.

03100 - REINFORCING STEEL

REINFORCING STEEL DETAILING, FABRICATION, AND PLACEMENT SHALL BE PER ACI 318-14 STEEL SHALL MEET THE FOLLOWING REQUIREMENTS:

ASTM A-615 DEFORMED BARS GRADE 40 (fy=40 KSI) FOR #3 BARS ONLY ASTM A-615 DEFORMED BARS GRADE 60 (fy=60 KSI) FOR #4 BARS AND LARGER ASTM A-706 DEFORMED BARS GRADE 60 (fy=60 KSI) FOR ALL WELDABLE BARS ASTM A-1064 SMOOTH BAR (fy=60 KSI) FOR WELDED WIRE FABRIC

REINFORCING FOR SLABS ON GRADE SHALL BE 6X6 W1.4XW1.4 WELDED WIRE FABRIC OR I UNLESS NOTED OTHERWISE. PROVIDE LAP SPLICES PER THE LAP SPLICE SCHEDULE ON S REINFORCING STEEL AT ALL WALLS, SLABS, AND FOOTINGS SHALL BE CONTINUOUS AROU ELSE CORNER BARS SHALL BE PROVIDED.

COVER REQUIREMENTS SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:

CONCRETE CAST AGAINST EARTH

- ALL BAR SIZES3" FORMED SURFACE EXPOSED TO EARTH OR WEATHER
- #6 AND LARGER . .
- #5 AND SMALLER . . .1 1/2" CONCRETE NOT EXPOSED TO EARTH OR WEATHER
- WALLS AND JOISTS . .1 1/2"
- #14 AND #18 BARS . .
- SLABS AND JOISTS
- #14 AND #18 BARS1 1/2"
- #11 BARS AND SMALLER 1" BEAMS, COLUMNS
- PRIMARY REINFORCEMENT1 1/2"
- TIES, STIRRUPS, AND SPIRALS ... 1 1/2"

REINFORCING STEEL SHALL BE ACCURATELY PLACED AND ADEQUATELY SECURED IN PLA CONCRETE PLACEMENT. REINFORCING STEEL SHALL NOT BE FIELD BENT EXCEPT AS NOT DESIGN DRAWINGS. WELDING OF REINFORCING STEEL SHALL NOT BE PERMITTED WITHOU APPROVAL OF THE ENGINEER OF RECORD EXCEPT AS NOTED ON THE DESIGN DRAWINGS.

03200 - CONCRETE WALL REINFORCING

PLACE TWO HORIZONTAL #5 BARS AT EACH FLOOR LEVEL OR TOP OF WALL ELEVATION. P CORNER BARS TO MATCH HORIZONTAL REINFORCEMENT AT EACH WALL CORNER AND INT PROVIDE TWO VERTICAL #5 BARS AT EACH WALL CORNER AND INTERSECTION. AT ALL WAL PROVIDE TWO #5 BARS OVER, UNDER, AND AT THE SIDES OF THE OPENINGS, EXTEND THE BARS THE LAP SPLICE DISTANCE PAST THE OPENING OR EXTEND AS FAR AS POSSIBLE AND PROVIDE ONE #5 BAR BY 4'-0" LONG DIAGONALLY AT EACH CORNER OF THE WALL OPENING CONCRETE SHALL BE PLACED AND CONSOLIDATED WALLS SHALL BE REINFORCED PER SC BELOW U.N.O.:

WALL THICKNESS	

ALL THICKNESS	HORIZONTAL #4 AT 14"OC #4 AT 10"OC #4 AT 16"OC	#5 AT 18"OC #5 AT 15"OC #5 AT 15"OC	LOCATION CENTERLINE CENTERLINE EACH FACE
,			
2"	#4 AT 12"OC	#5 AT 18"OC	EACH FACE

EPOXY ALL HORIZONTAL STEEL INTO EXISTING FOUNDATION WITH FOUR INCH EMBEDMEN SECTION 08100 FOR EPOXY TYPE.

05000 - STRUCTURAL STEEL

DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION "AISC 360-10 SPE FOR STRUCTURAL STEEL BUILDINGS". MATERIALS SHALL BE IN ACCORDANCE WITH THE FO U.N.O.:

STRUCTURAL W SHAPE	ASTM A-992	Fy = 50 KSI
S, M, AND C SHAPES STEEL ANGLES	ASTM A-36 ASTM A-36	Fy = 36 KSI Fy = 36 KSI
PLATE MATERIAL	ASTM A-36	Fy = 36 KSI
STRUCTURAL PIPE	ASTM A-53 GRADE B	Fy = 35 KSI
STRUCTURAL HSS	ASTM A-500 GRADE B	Fy = 46 KSI
ANCHOR RODS	ASTM F1554	Fy = 36 KSI
WOOD CONNECTION BOLTS WELDING ELECTRODES	ASTM A-307 GRADE A E7018	

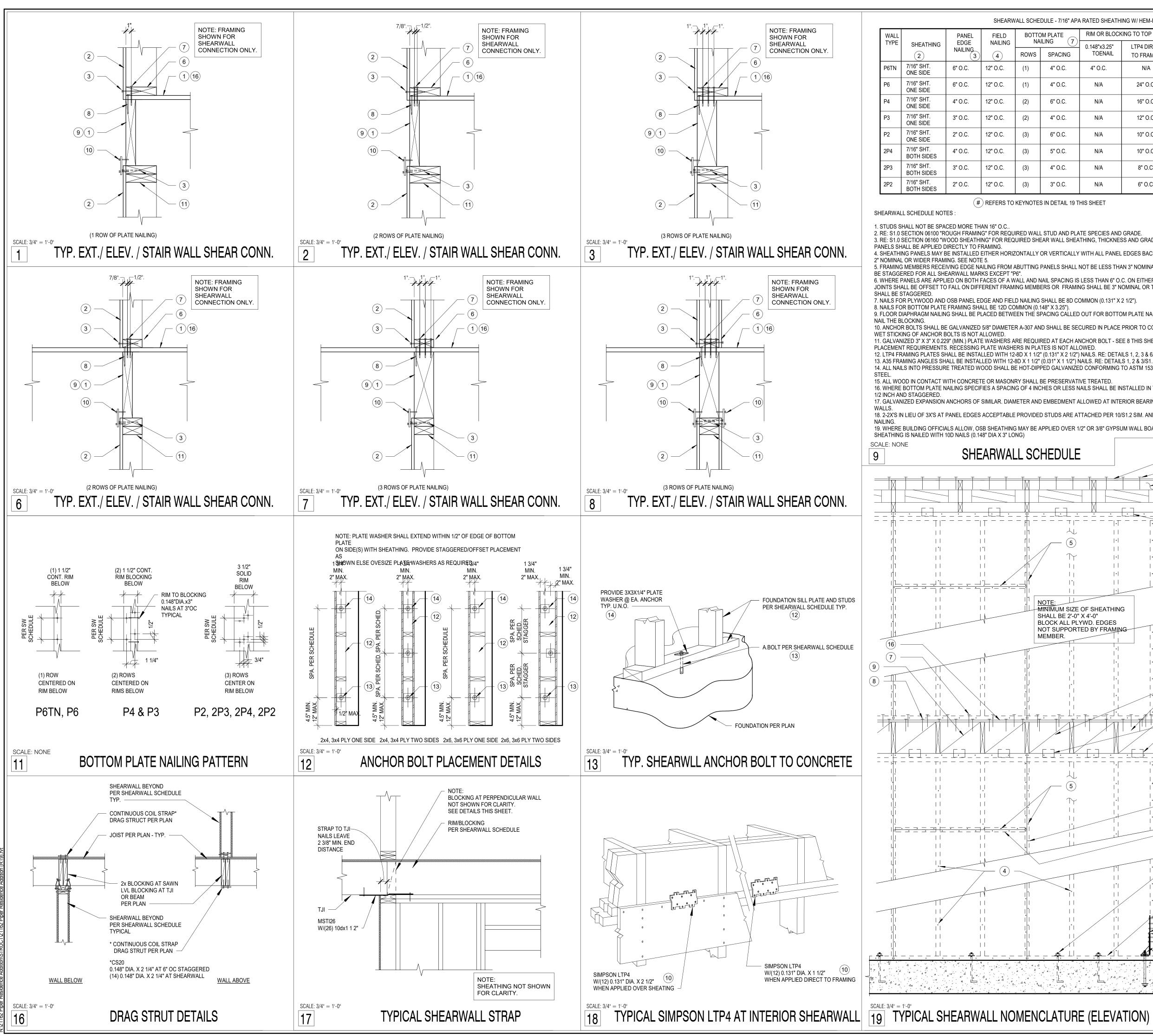
ALL WELDING SHALL CONFORM TO THE AWS D1.4 "STRUCTURAL WELDING CODE". ALL WEI PERFORMED BY A WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO) AND AMER SOCIETY (AWS) CERTIFIED WELDERS. ALL COMPLETE PENETRATION (CP) WELDS SHALL BE ULTRASONICALLY TESTED. ALL FILLET WELDS SHALL BE VISUALLY INSPECTED RE: S1.1.

STRUCTURAL STEEL AND CONNECTIONS EXPOSED TO WEATHER SHALL BE HOT DIPPED G AFTER FABRICATION IN COMPLIANCE WITH ASTM A-123. ALL FIELD WELDS EXPOSED TO WE BE COATED WITH BRUSH APPLIED ZINC-RICH PAINT COMPLYING WITH ASTM A-780.

ALL STRUCTURAL STEEL TO RECEIVE ONE COAT OF PAINT (PRIME COAT). PROVIDE A MININ THICKNESS OF ONE MIL. PREPARE SURFACE TO MEET REQUIREMENTS OF SSPC-SP2. TOU ABRASIONS ARE THE RESPONSIBILITY OF THE CONTRACTOR. UNO. REFER TO ARCHITECTU DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATING TO FINISH PAIL FINISH REQUIREMENTS.

				S	ΤR	UCTUF	RALI	NOTES						
AL CODES.	AS MANUFACTURED APPROVED BY ENGI	ING NOTES ORS, ACCESSORIES, AND BY SIMPSON STRONG-TIE NEER OF RECORD. INSTAL NNECT TWO MEMBERS TO	E. EQUIVALENT HA LL ALL HARDWARE	RDWARE N PER MAN	MY BE U UFACTI	JSED WITH PRIOR URERS SPECIFIC	R ATIONS.	06610 - SHOP FABRI PREMANUFACTURE MANUFACTURED IN ANSI/TPI 1-2007 "NAT CONSTRUCTION". A	D METAL-PLATE- ACCORDANCE W FIONAL DESIGN S	CONNECTED W WITH IBC SECTION TANDARD FOR	/OOD TR ON 2303.4 METAL-I	RUSSES S 4 TRUSSE PLATE-CO	HALL BE ES, AND ONNECT	THE TED V
- TON 01200)	EACH MEMBER. PRO REQUIREMENTS AT	OVIDE SOILD BLOCKING AT TREATED LUMBER. TYPIC/ D FASTENING SCHEDULE F	ALL BEARING POI	NTS. SEE \$ 10WN PEF	SECTIO R PLAN,	N 06100 FOR FAS , DETAIL, OR SCHE	TENER EDULE	FABRICATION PER T STAMP AND SEAL OI DESIGN FOR THE SF	HE REQUIREMEN	NTS OF IBC 230 STATE OF WA	3.4.2. The Shingto	E TRUSS ON PROFE	DESIGN ESSIONA	I DRA AL EN
ATERIAL PER		MMON UNLESS NOTED OT	HERWISE COMMO)n nail dii	MENSIO	ONS ARE AS FOLL	OWS:	FRAMING, BLOCKING DEFLECTION CRITER	G PANELS AND A	LL CONDITIONS				
L BE	NAIL SIZE 8d	0.131"	LENGTH 2 1/2"					TOP CHORD LOADS	DAD	25 P				
CIFIED BY	10d 12d 16d	0.148" 0.148" 0.162"	3" 3 1/4" 3 1/2"					TOP CHORD DEAD L TOP CHORD GROSS OVERHANGS	-	10 P 44.8 F				
DRAWINGS,	UNLESS NOTED OTH	IERWISE PER SHEARWALL	SCHEDULE OR P					CORNERS OVERHANG		32.0 F 44.8 F 32.0 F	PSF PSF			
	MORE THAN 4 FEET	ER WITH 7 INCHES MINIMU APART. THERE SHALL BE / E THAN 12 INCHES NOR LE	a minimum of tw SS than 4 1/2 ing	O BOLTS F CHES FROI	PER SILI M EACH	L PIECE WITH ON HEND OF THE PIE	E BOLT CE. A	EDGES FIELD TOP CHORD NET WI		22.3 F	PSF			
IS. BACKFILL D. ALL BACKFILL	3"x3"x1/4" PLATE WA SHALL NOT BE ALLO	SHER SHALL BE PROVIDEI WED).	D FOR ALL ANCHO	R BOLTS (COUNT	ERSINK PLATE W	ASHERS	ABOVE PRESSURES		10.0 F	SF			
CAL ENGINEERING	06100 - ROUGH FRAI Sawn Lumber Shai	MING LL CONFORM TO WEST CO	DAST LUMBER INS	PECTION E	BUREAU	J (WCLIB) "GRADII	NG AND	BOTTOM CHORD DE		5 F	SF			
STANDARD ACI	PERCENT MAXIMUM DRYING OF ASSEMB WEATHER OR IN CO	IO. 17 LATEST EDITION. S/ MOISTURE CONTENT. PR LED FRAMING TO MINIMIZI NTACT WITH CONCRETE C	OTECT LUMBER F E WOOD SHRINKA DR MASONRY SHA	ROM WEA GE POTEN _L BE PRE	THER A ITIAL. A SERVAT	AND PROVIDE FUR ALL LUMBER EXPO TIVE TREATED U.I	RTHER DSED TO N.O. PER	LIVE LOAD DEFLECT TOTAL LOAD DEFLEC	TON CTION	L/720 L/480 INECTION DETA)	LUDING E	LOCKIN	G PA
APPROVED BY	U.N.O. PER PLAN/SC	CIES, GRADE, AND PROPE HEDULE:					JW5	MATERIALS. PROVID BEARING LOCATION PERMANENT BRACIN	S, PERMANENT E	BRACING LOCA	TIONS ET	TC THE	TRUSS [DESI
raining De Ion Shall	USE/LOCATION WALL STUDS/BLOCK	SPECIES	Fb GRADE (PSI)	Fv Fcp (PSI) (PSI)) Fc) (PSI)	E (PSI)		STORE, INSTALL & B	RACE TRUSSES	IN ACCORDAN	CE WITH	WTCA/TF	PI (SBCA) BUI
) AIR	2X, 3X 4" WIDE	HEM-FIR	STUD 675	150 405	800	1.2E6		INFORMATION (BCSI PLATED-WOOD TRU ALL TEMPORARY BR	SSES" & BCSI B1	THROUGH B11	QUICK F	REFEREN	CES. TH	IE CC
) LOCATION AND	2X, 3X 6" & WIDER WALL PLATES	HEM-FIR	NO. 2 850	150 405	5 1300	1.3E6		THE CONTRACTOR S DRAWINGS AND PLA MINIMUM BEARING F	ANS. REFERENCE	EBCSI-B3 FOR	TYPICAL	PERMAN	ENT BRA	ACIN
	2X4, 3X4 2X6, 3X6 JOISTS	HEM-FIR HEM-FIR	STUD 675 NO. 2 850			1.2E6 0 1.3E6		DIAMETER x 3" TOE I SUPPORT OF TRUSS	NAILED, ONE EAG S.	CH SIDE. AS A N				
	2X, 3X LEDGERS	HEM-FIR	NO. 2 850	150 40	5 1300) 1.3E6		06620 - STRUCTURA GLUED-LAMINATED IDENTIFICATION MAR	MEMBERS SHALL	L HAVE AMERIC				
SPECIFIED BY	2X, 3X 4X BEAMS AND POSTS	DOUGLAS FIR-LARCH DOUGLAS FIR-LARCH	NO. 2 900 NO. 1 1000) 1.6E6) 1.7E6		IMMEDIATELY AFTEF FOLLOWS: USE		ITHER SHOP OF		DESIGN N		AL PR CAM
4. REINFORCING	4X 6X	DOUGLAS FIR-LARCH DOUGLAS FIR-LARCH	NO. 2 900 NO. 1 1200) 1.6E6) 1.6E6		SIMPLE SPAN BEAM CONTINUOUS BEAM CANTILEVER BEAM	24F-V4	4 8		DF/DF DF/DF DF/DF		STAN ZER(ZER(
	PRESERVATIVE TRE	VE TREATED WOOD PROD ATED WOOD SHALL BE RE UILDING, BALCONIES POR	QUIRED FOR ALL				JRAL	UNEXPOSED GLUED OTHERWISE. EXPOS						
	APPURTENANCES T ROOF, EAVE, OVERH	HAT ARE EXPOSED TO THI HANG OR OTHER COVERIN T JOINTS BETWEEN MEMB	E WEATHER WITH IG TO PREVENT M	OUT ADEQ	UATE P	PROTECTION FRO		06630 - STRUCTURA STRUCTURAL COMP SHALL BE THE SIZE APPROVED EQUAL	POSITE LUMBER S AND TYPE SHOW	SHALL CONFOF /N ON THE DRA	WINGS A	AS MANU	FACTUR	RED B
SHEET S6.0. JND CORNERS	FOUNDATION WALL	ED ABOVE GROUND AND F LESS THAN 8 INCHES FRO S SUPPORTING PERMANE	M EXPOSED EART	H.				SPECIFICATIONS. AL OF RECORD APPRO ALLAOWABLE DESIG	L MEMBERS SHA VAL.	ALL NOT HAVE I	NOTCHE	S OR DRI	LLED HO	DLES
	OR FOOTING THAT IS	S IN DIRECT CONTACT WIT	TH THE EARTH. EX	CEPT;				ORIE TIMBERSTRAND LAN COLU		D LUMBER (LSL)			Fc(perp) 680) F 1
	ABOVE THE S	SLAB AND SEPARATED TH	EREFROM BY AN I	MPERVIOU	IS MOIS	STURE BARRIER.		PLAN BEAN	١K		1900 2325	150 310	435 800	1 2
	PERIPHERY A	LOSED CRAWL SPACE OR AND SUPPORTED BY A CO ROUND AND SEPARATED T	NCRETE PIER OR	PEDESTAL	MORE	THAN 8 INCHES F		RIM MICROLAM LAMINAT	ED VENEER LUN	1BER (LVL)	2325	310	800	2
		ND SILLS ON A CONCRETE ARRIER SEPARATION WIT		-	ES NOT	HAVE AN IMPER	VIOUS	BEAN PARALLAM PARALLE COLU	EL STRAND LUMB	BER (PSL)	2600 2400		NA NA	2
		ND FURRING ATTACHED DI ALLS BELOW GRADE.	RECTLY TO THE IN	ITERIOR C	F EXTE	ERIOR CONCRETE	OR	BEAN	M				750	2
	PRESERVATIVE TRE	ATMENT SHALL BE PER A		RESERVE	RS' ASS	SOCIATION (AWPA	.)	08100 - EPOXY ADHE CONCRETE	ESIVE ANCHORS					
ACE PRIOR TO FED IN THE	ALL FASTENERS (NA	ND C9 OR APPLICABLE ST	TS, PLATES, HANG					EPOXY SPECIFIED IN ANCHOR ROD, THRE PER ESR-2508.						
UT PRIOR S.	WITH TREATED LUM A153 OR STAINLESS 06300 - JOIST AND B		N RESISTANT G-1	35 HOT DIF	PED GA	ALVANIZED PER A	STM	08200 - EXPANSION / CONCRETE						
PROVIDE ITERSECTION. ALL OPENINGS E HORIZONTAL	TIE. EQUIVALENT HA BEAM HANGERS SH	NGERS AS NOTED IN THE ARDWARE MAY BE USED W ALL BE INSTALLED PER MA HERWISE PER PLANS OR D	VITH PRIOR APPRO ANUFACTURERS' S	OVAL BY E	NGINEE	ER OF RECORD. JO	DIST AND	EXPANSION ANCHOI STRONG-BOLT WED INSTALLATION PER S	GE ANCHOR. AN	CHOR DIAMETE				
ND HOOK. IG. ALL CHEDULE	MEMBER SIZE SAWN LUMBER		R HUS SERIES TO N NOT NOTED SPEC					08300 - SCREW ANC CONCRETE SCREW ANCHORS S	PECIFIED IN THE					
		BEAMS (H = BEAM DEPTH S W/(16) SDS 1/4x2 1/2" FAC				CITY) 0 / 4840)		ANCHOR DIAMETER		NI FERFLAN. II	ISTALLA		1 EON-21	13.
	3 1/2" HGU3.63-SD 5 1/8" HGU5.25-SD	S W/(36) SDS 1/4x2 1/2" FA S W/(36) SDS 1/4x2 1/2" FA DS W/(44) SDS 1/4x2 1/2" FA	CE, (24) SDS 1/4x2 CE, (24) SDS 1/4x2	1/2" JOIST 1/2" JOIST	(1414 (1414	45 / 10185) 45 / 10185)								
NT. RE: NOTES	5 1/2" HHGU5.62-SI 6 3/4" HHGU7.00-SI	DS W/(44) SDS 1/4x2 1/2" F/ DS W/(44) SDS 1/4x2 1/2" F/	ACE, (28) SDS 1/4x2 ACE, (28) SDS 1/4x2	2 1/2" JOIS ⁻ 2 1/2" JOIS ⁻	T (1784 T (1784	45 / 12850) 45 / 12850)								
	10 3/4" HHGU11.00-5	DS W/(44) SDS 1/4x2 1/2" F/ SDS W/(44) SDS 1/4x2 1/2" F												
E WITH THE ECIFICATION OLLOWING	LSL 1 1/2" x 11 7/8" (2) 1 3/4" x 11 7/8" 3 1/2" x 11 7/8"		0) 16d FACE, (2) 10) 16d FACE, (10) 16) 16d JOIST		OIST	(2880) (5635) (5635)								
		GER FOR BEAM SIZE SPEC	IFIED FOR END OF	BEAM CO	NDITION	NS.								
	ASSEMBLIES OF WO EXTERIOR FINISHES SHRINKAGE. THE US	DF WOOD FRAMING D FRAMING IS DUE TO LOS OD COMPONENTS. PLUM SHALL BE DESIGNED AND E OF KILN DRIED LUMBER APPLICATION OF FINISHE	BING, ELECTRICAI BUILT TO ACCOM AND PROVIDING	., and med Modate 1 A drying 1	CHANIC 1/4 INCH PROCE	CAL SYSTEMS AS V H PER FLOOR WO SS TO THE FRAM	WELL AS OD ING							
ELDING SHALL BE RICAN WELDING	06500 - WOOD SHEA STRUCTURAL WOOD PLYWOOD ASSOCIA	THING D SHEATHING PANELS SHA TION. WOOD SHEATHING	ALL HAVE APA GRA PANELS SHALL BE	ADE TRADE C-D INT AI	EMARK PA WITH	OF THE AMERICA H EXTERIOR GLUI	N E (CDX).							
E		BOARD (OSB) PANELS SH/ ATING, AND FASTENING U	NLESS NOTED OT EDGE	HERWISE FIELD										
GALVANIZED /EATHER SHALL	FLOOR: 3/4	8" 40/20 C-D APA CDX 1" 48/24 C-D T&G	NAILS 8d AT 6" 10d AT 6"	10d AT 12	<u>2</u> "									
MUM FRY-FILM		6" C-D EXTERIOR GLUE 6" D-D EXTERIOR GLUE	SEE SCHE 10d AT 6"			1								
JCHUPS OF 'URAL INT OR OTHER	A STAGGERED PATT ROOF SHEATHING J	NG PANELS SHALL BE INST TERN UNLESS NOTED OTH OINTS SHALL NOT BE REQ BE BLOCKED AT ALL EDGE	ERWISE PER PLAN UIRED UNLESS NO	N. BLOCKIN DTED OTHI	NG AT IN ERWISE	NTERMEDIATE FLO E PER PLAN. SHEA	OOR AND ARWALL							

	5 STRUCTURAL DRAWING LIST	
L BE DESIGNED AND AND THE TRUSS PLATE INSTITUTE IECTED WOOD TRUSS FOR APPROVAL PRIOR TO SIGN DRAWINGS SHALL BEAR THE IONAL ENGINEER. TIONS, HIPS AND VALLEYS, OVER- ANS. THE DESIGN LOADS AND	SHEETDESCRIPTIONRevRev DateS1.0Structural Notes-S1.1Shearwall Schedule and Details-S1.2Holddown Schedule and Details-S2.0Basement Level Walls Over Foundation209-01-2022S2.1Main Frmg Over Basement Lvl Shear Walls209-01-2022S2.2Roof Framing Over Main Level Shear Walls106-10-2022S6.0Typical Concrete Details106-10-2022S8.0Moment Frame DetailsS8.1Moment Frame DetailsS8.2Moment Frame DetailsS9.0Typical Wood Framing Details301-10-2023S9.2Typical Wood Framing DetailsS10.0Typical Components	CT ENGINEERING INC. Structural Engineers 180 Nickerson Street Suite 302 Seattle, WA 98109 206.285.4512 (V) 206.285.0618 (F) www.ctengineering.com
CKING PANELS AND REQUIRED OMPONENT (SBCA) TAGS FOR ISS DESIGNER SHALL SPECIFY ALL DESIGN DRAWINGS. BCA) BUILDING COMPONENT SAFETY LLING & BRACING OF METAL- S. THE CONTRACTOR SHALL INSTALL SING REQUIREMENTS. ATED ON THE TRUSS DESIGN BRACING REQUIREMENTS U.N.O.		
D TOP PLATE WITH (2) 0.148" 5A HURRICANE CLIP AT EACH IBER CONSTRUCTION (AITC) OF END SEALER APPLIED ERIAL PROPERTIES SHALL BE AS		DATE
CAMBER STANDARD ZERO ZERO TYPICAL, UNLESS NOTED NCE CLASS PER ARCHITECT.		REVISION
TURED BY ILEVEL TRUS JOIST OR PER MANUFACTURER D HOLES WITHOUT PRIOR ENGINEER ALL UNITS ARE IN PSI): perp) Fc E 1400 1.3E6 1400 1.3E6		JOB #: 21162 ENG: <u>BJM</u> CAD: <u>JMA</u> CAD: <u>JMA</u> SCALE: <u>3/4" = 1'-0"</u> KEY ISSUE DATES: SCALE: 3/4" = 1'-0" NG. 01HER: BD 01HER: BD
2050 1.55E6 2050 1.55E6 2500 1.9E6 2500 1.8E6 2900 2.0E6		JOB #: JOB #: ENG: CAD: SCALE: KEY ISS SD: DD: CD: PERMIT: OTHER:
ET-XP EPOXY ADHESIVE. DMENT PER PLAN. INSTALLATION		
I STRONG-TIE PER PLAN.		
RONG-TIE TITEN HD. R-2713.		
		Structural Notes PIPER REMODEL 8429 SE 33RD PLACE MERCER ISLAND, WA 98040
		S1.0



SHEARWALL SCHEDULE - 7/16" APA RATED SHEATHING W/ HEM-FIR STUDS AND HEM-FIR PLATES											
WALL				BOTTOM PLATE NAILING (7)		RIM OR BLOCKING TO TOP PLATE CONN. (10)			FRAMING	FOUNDATION	ANCHOR BOLT
TYPE	SHEATHING	EDGE NAILING (3)	NAILING	ROWS	SPACING	0.148"x3.25" TOENAIL	LTP4 DIRECT TO FRAMING	A35 ONLY	AT ADJOINING PANEL EDGES (5)	SILL PLATE	SPACING 5/8" DIA. 7" EMBED (13)
P6TN	7/16" SHT.	6" O.C.	4 12" O.C.	(1)	4" O.C.	4" O.C.	N/A	N/A	2x	2x	48" O.C.
	ONE SIDE			(.)						-	1011 0 0
P6	7/16" SHT. ONE SIDE	6" O.C.	12" O.C.	(1)	4" O.C.	N/A	24" O.C.	16" O.C.	2x	2x	48" O.C.
P4	7/16" SHT. ONE SIDE	4" O.C.	12" O.C.	(2)	6" O.C.	N/A	16" O.C.	12" O.C.	(2)2x OR 3x	2x	32" O.C.
P3	7/16" SHT. ONE SIDE	3" O.C.	12" O.C.	(2)	4" O.C.	N/A	12" O.C.	10" O.C.	(2)2x OR 3x	2x	24" O.C.
P2	7/16" SHT. ONE SIDE	2" O.C.	12" O.C.	(3)	6" O.C.	N/A	10" O.C.	10" O.C.	(2)2x OR 3x	2x	18" O.C.
2P4	7/16" SHT. BOTH SIDES	4" O.C.	12" O.C.	(3)	5" O.C.	N/A	10" O.C.	10" O.C.	(2)2x OR 3x	2x	16" O.C.
2P3	7/16" SHT. BOTH SIDES	3" O.C.	12" O.C.	(3)	4" O.C.	N/A	8" O.C.	8" O.C.	(2)2x OR 3x	2x	12" O.C.
2P2	7/16" SHT. BOTH SIDES	2" O.C.	12" O.C.	(3)	3" O.C.	N/A	6" O.C.	6" O.C.	(2)2x OR 3x	2x	8" O.C.

SHEARWALL SCHEDULE NOTES :

(#) REFERS TO KEYNOTES IN DETAIL 19 THIS SHEET

11

(4)

MEMBER.

2. RE: S1.0 SECTION 06100 "ROUGH FRAMING" FOR REQUIRED WALL STUD AND PLATE SPECIES AND GRADE. 3. RE: S1.0 SECTION 06160 "WOOD SHEATHING" FOR REQUIRED SHEAR WALL SHEATHING, THICKNESS AND GRADE. ALL SHEAR WALL

1. STUDS SHALL NOT BE SPACED MORE THAN 16" O.C.

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4. SHEATHING PANELS MAY BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY WITH ALL PANEL EDGES BACKED/BLOCKED WITH

5. FRAMING MEMBERS RECEIVING EDGE NAILING FROM ABUTTING PANELS SHALL NOT BE LESS THAN 3" NOMINAL AND NAILS SHALL 6. WHERE PANELS ARE APPLIED ON BOTH FACES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL

JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS OR FRAMING SHALL BE 3" NOMINAL OR THICKER AND NAILS

7. NAILS FOR PLYWOOD AND OSB PANEL EDGE AND FIELD NAILING SHALL BE 8D COMMON (0.131" X 2 1/2"). 9. FLOOR DIAPHRAGM NAILING SHALL BE PLACED BETWEEN THE SPACING CALLED OUT FOR BOTTOM PLATE NAILING. DO NOT OVER

10. ANCHOR BOLTS SHALL BE GALVANIZED 5/8" DIAMETER A-307 AND SHALL BE SECURED IN PLACE PRIOR TO CONCRETE POUR.

11. GALVANIZED 3" X 3" X 0.229" (MIN.) PLATE WASHERS ARE REQUIRED AT EACH ANCHOR BOLT - SEE 8 THIS SHEET FOR

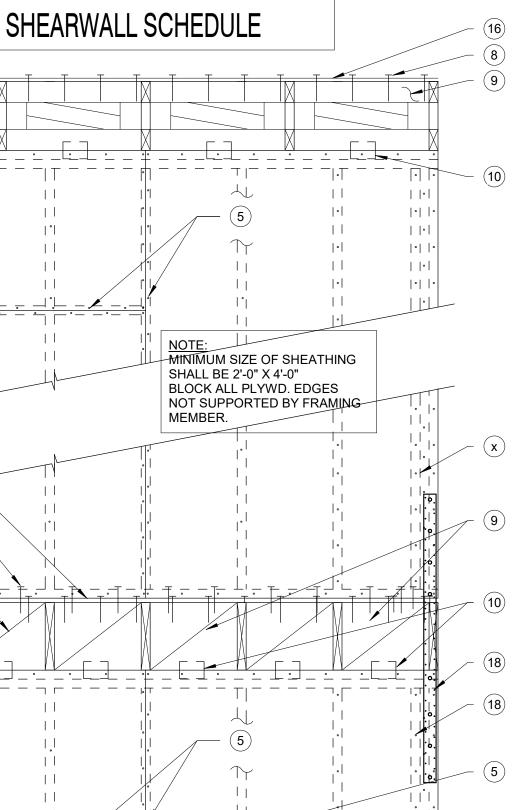
12. LTP4 FRAMING PLATES SHALL BE INSTALLED WITH 12-8D X 1 1/2" (0.131" X 2 1/2") NAILS. RE: DETAILS 1, 2, 3 & 6/S1.1. 13. A35 FRAMING ANGLES SHALL BE INSTALLED WITH 12-8D X 1 1/2" (0.I31" X 1 1/2") NAILS. RE: DETAILS 1, 2 & 3/S1.1.

14. ALL NAILS INTO PRESSURE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED CONFORMING TO ASTM 153 OR STAINLESS

16. WHERE BOTTOM PLATE NAILING SPECIFIES A SPACING OF 4 INCHES OR LESS NAILS SHALL BE INSTALLED IN TWO ROWS OFFSET 17. GALVANIZED EXPANSION ANCHORS OF SIMILAR. DIAMETER AND EMBEDMENT ALLOWED AT INTERIOR BEARING AND PARTY

18. 2-2X'S IN LIEU OF 3X'S AT PANEL EDGES ACCEPTABLE PROVIDED STUDS ARE ATTACHED PER 10/S1.2 SIM. AND BOTTOM PLATE

19. WHERE BUILDING OFFICIALS ALLOW, OSB SHEATHING MAY BE APPLIED OVER 1/2" OR 3/8" GYPSUM WALL BOARD PROVIDED



ALL PANEL EDGES SHALL BE FASTENED TO STUDS OR BLOCKING. (3) <u>PANEL EDGE NAILING:</u> NAILING AT ALL OUTER EDGES OF SHEATHING PANELS IN SHEARWALLS SHALL BE FASTENED PER THE SHEARWALL SCHEDULE. (4) FIELD NAILING (4) WITHIN THE FIELD OF THE PANEL, AT FRAMING MEMBERS, THE PANELS ARE LESS CLOSELY FASTENED. (5) <u>FRAMING AT ADJOINING PANEL EDGES:</u> WHERE TWO PIECES OF PLYWOOD JOIN ON A FRAMING MEMBER, THE PANEL EDGE NAILING FROM EACH PANEL IS TO BE STAGGERED. SOME WALLS REQUIRE 3 INCH NOMINAL FRAMING MEMBER (EITHER A STUD OR BLOCKING) AT ADJOINING PANEL EDGES (SEE SHEARWALL SCHEDULE FOR WALL TYPES REQUIRING 3 INCH NOMINAL FRAMING MEMBERS AT ADJOINING PANEL EDGES). DOUBLED STUDS ARE GENERALLY NOT ACCEPTABLE FOR THIS APPLICATION. WHERE A SINGLE PANEL EDGE LANDS ON A FRAMING MEMBER, A 2 INCH NOMINAL FRAMING MEMBER SHALL BE ACCEPTABLE (AT ENDS OF WALLS FOR EXAMPLE). BLOCK ALL PLYWOOD EDGES NOT SUPPORTED BY FRAMING MEMBERS AND NAIL W/PANEL EDGE NAILING. (6) (6) <u>BOTTOM PLATE:</u> (7) BOTTOM PLATE NAILING: LOCATE THE NAILING THROUGH THE BOTTOM PLATE SO AS TO FULLY PENETRATE THE SOLID BLOCKING OR CONTINUOUS RIM BENEATH THE FLOOR SHEATHING, SPACED AS PER THE SHEARWALL SCHEDULE. (8) ROOF DIAPHRAGM BOUNDAY EDGE NAILING: FLOOR DIAPHRAGM NAILING SHALL BE INSTALLED BETWEEN THE SPACING SHOWN FOR BOTTOM PLATE NAILING. LOCATE ADJOINING PANEL EDGES OF FLOOR SHEATHING AWAY FROM SHEARWALLS. FIELD NAILING OF FLOOR SHEATHING MAY BE OMITTED AT SHEARWALL BOTTOM PLATE NAILING. RE: NOTES 06500 (9) (9) TRUSS BLOCKING PANEL JOIN ADJACENT TRUSS BLOCKING PANEL WITH FACE NAILING AS SPECIFIED ABOVE SHIM WITH FULL HEIGHT SHIMS, ADJUST FACE NAIL LENGTHS. REFER TO PLANS FOR ADDITIONAL SEISMIC CONNECTIONS AT THE FLOOR OR ROOF LEVEL. (10) TRUSS BLOCKING PANEL TO TOP PLATE CONNECTION: THE CONTINUOUS TRUSS BLOCKING PANEL THAT IS PART OF THE SHEARWALL (10) ASSEMBLY SHALL BE CONNECTED TO THE DOUBLE TOP PLATE OR FOUNDATION SILL PLATE WITH APPROVED CONNECTORS AND SPACED PER THE SHEARWALL SCHEDULE. (11) DOUBLE TOP PLATE: LAP AND SPLICE - SEE PLANS FOR ADDITIONAL SEISMIC CONNECTIONS AT THE FLOOR OR ROOF LEVEL. (12) FOUNDATION SILL PLATE ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESERVATIVE TREATED. THE FOUNDATION SILL PLATE SHALL BE EITHER 2 INCH NOMINAL OR 3 INCH NOMINAL DEPENDING ON THE SHEARWALL SCHEDULE. (13) ANCHOR BOLTS FULL DIAMETER ANCHOR BOLTS, ASTM A-307 SHALL BE SECURED IN PLACE PRIOR TO PLACING CONCRETE. MINIMUM EMBEDMENT IS 7 INCHES. MIN. (2) BOLTS PER PIECE OF PLATE, W/(1) BOLT NOT MORE THAN 12" FROM END OF PIECE. (14) PLATE WASHERS: (14) (12) PLATE WASHERS SHALL BE REQUIRED FOR FOUNDATION SILL PLATE CONNECTIONS, 3" X 3" X 1/4" MINIMUM. DO NOT RECESS BOLTS IN SILL PLATE UNLESS SPECIFICALLY DETAILED ELSEWHERE. (15) SQUASH BLOCKS:

(1) <u>SHEARWALL TYPE W1</u> SHEATHING: 7/16" CD-CC SHEATHING

NAILING

STUD SPACING:

ROOF THICKNESS:

BOTTOM PLATE NAILING

APPROVED RIM PRODUCTS:

CONDITIONS DESCRIBED.

(2) WALL SHEATHING:

(CLOSEST SPACING)

ANCHOR BOLT:

RIM/BLOCKING:

APPLIED DIRECTLY TO FRAMING

16"O.C. MAX.

0.148" DIA. NAILS AT 4" O.C./SG=0.50

NO. PIECES/THICKNESS

5/8" DIA., 7" EMBED.

TRUS JOIST ER-4979 TIMBERSTRAND LSL 2.0E, PARALLAM PSL 2.0E TJ-STRAND, MICROLAM LVL RIM BOARD

SUBSTITUTIONS TO ABOVE REQUIRE ENGINEER OF RECORD APPROVAL PRIOR TO INSTALLATION. SUBMIT DOCUMENTATION BY A CODE APPROVED AGENCY. CONFIRMING THE REQUIRED CAPACITIES AND MINIMUM NAIL SPACING FOR THE

SHEATHING PANELS MAY BE INSTALLED EITHER VERTICALLY OR HORIZONTALLY.

USE LENGTH DIA.

BOTTOM PLATE/FRAMING 3 1/4" X 0.148"

SPECIAL INSPECTION: PER JURISDICTION

STUDS AND PLATE: HEM-FIR #2 OR BETTER

VERTICAL LOAD TRANSFER CAPACITY3300 LB./FT.

RIM, BLOCKING

(1) ROWS 0.148" DIA. AT 4" O.C.(1) / 1.25"

(2) ROWS 0.148" DIA. AT 4" O.C.(1) / 1.75"

(3) ROWS 0.148" DIA. AT 4" O.C.(1) / 3.50"

LATERAL LOAD TRANSFER CAPACITY (1.25") 600 LB./FT.

LATERAL LOAD TRANSFER CAPACITY (3.50") 1200 LB./FT.

PANEL EDGE NAILING 2 3/8" X 0.148"

FLOOR THICKNESS: 23/32"

IN THE FLOOR CAVITY OF PLATFORM FRAMING POST LOADS SHALL BE PROVIDED WITH ADDITIONAL STIFFENERS EQUAL TO THE POST SIZE FROM ABOVE THAT CONTINUES THROUGH THE FLOOR. (16) <u>DIAPHRAGN</u> SEE (1) FOR SHEARWALL, FLOOR AND ROOF DIAPHRAGM THICKNESS.

- (17) CONCRETE BASE (17) CONCRETE FOUNDATION OR BASE.
- (18) (18) <u>HOLDOWN</u>

SEE SHEET S1.2 FOR HOLDOWN DETAILS AND ADDITIONAL STUDS REQUIRED.

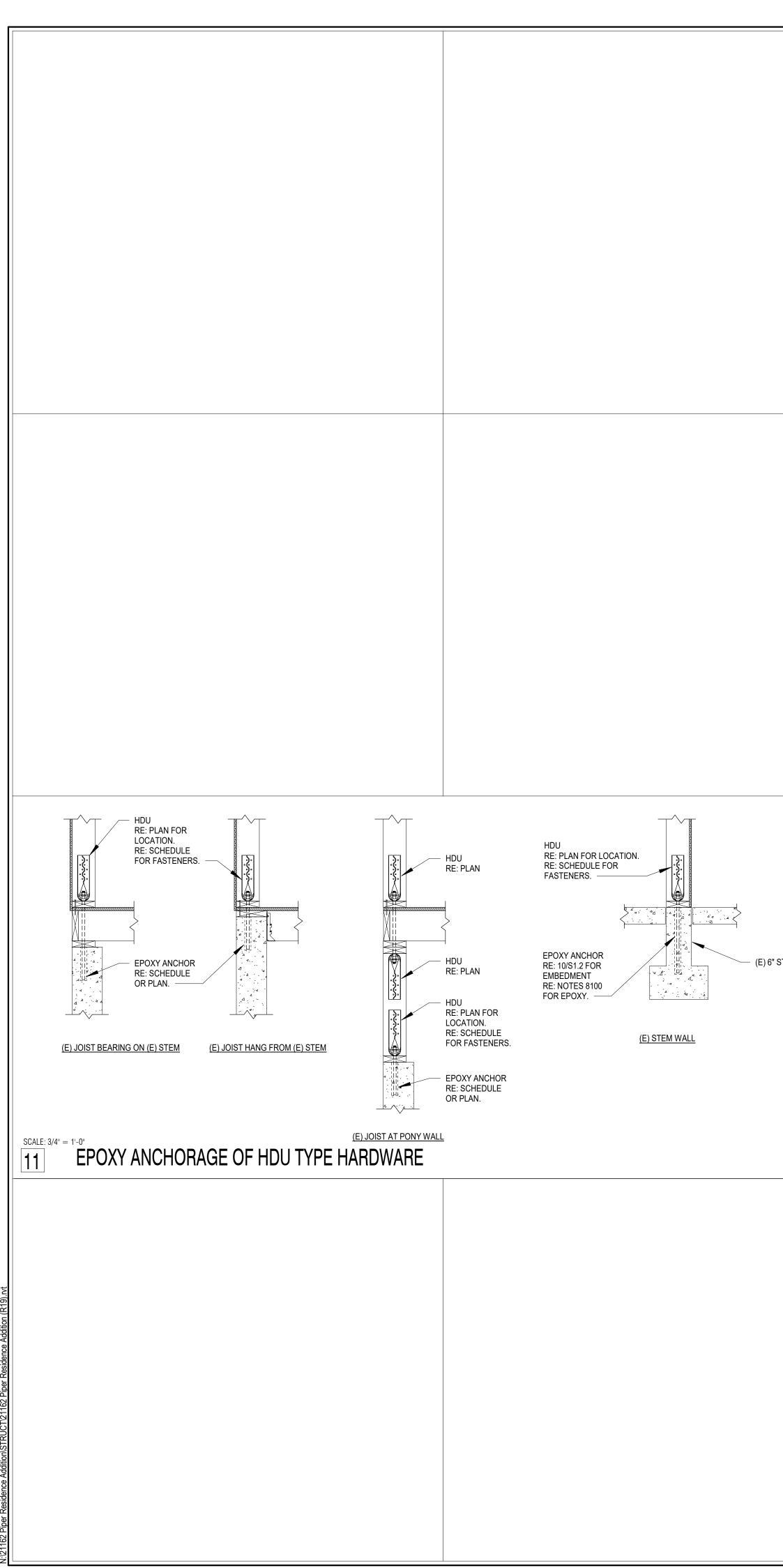
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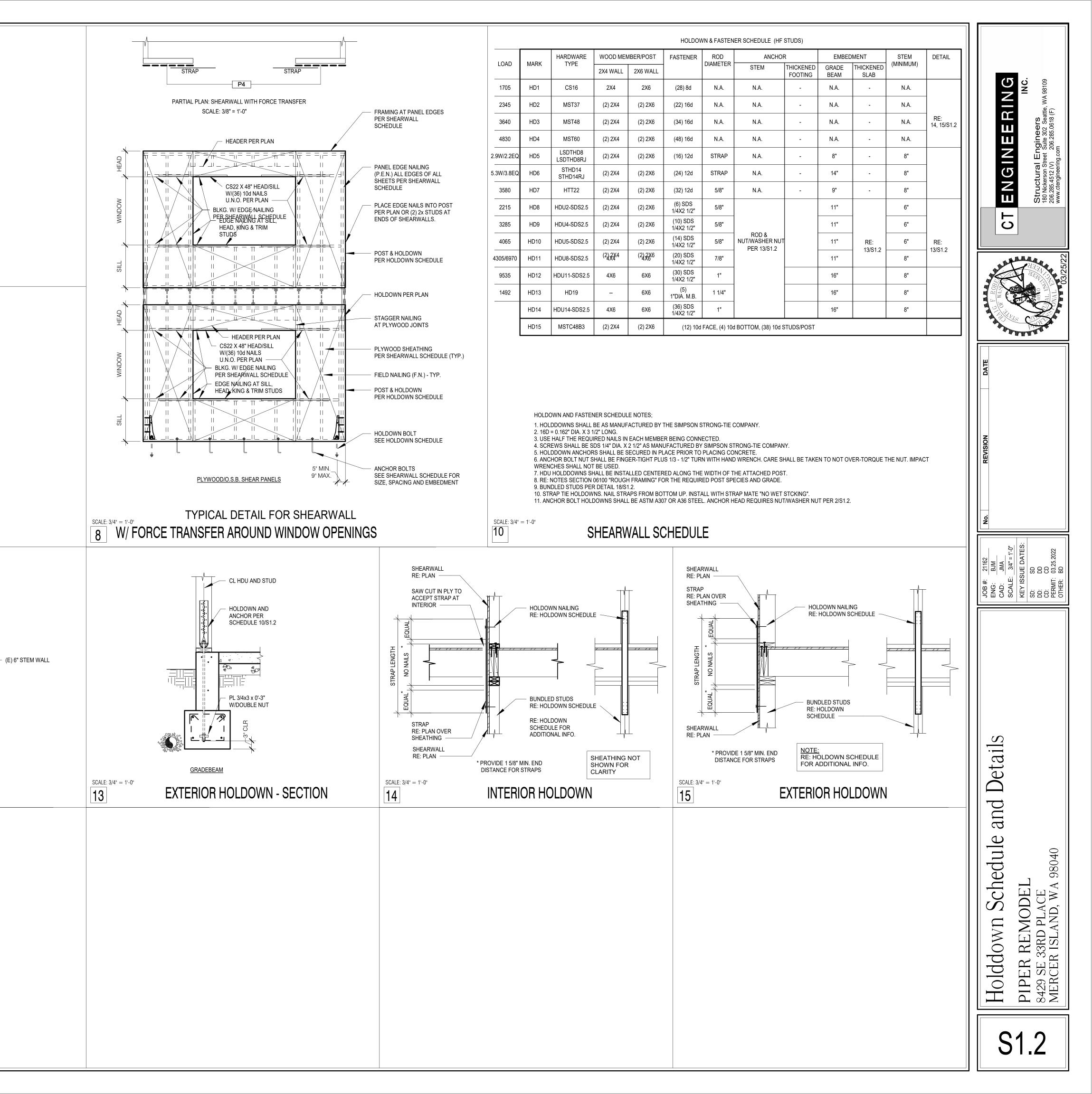
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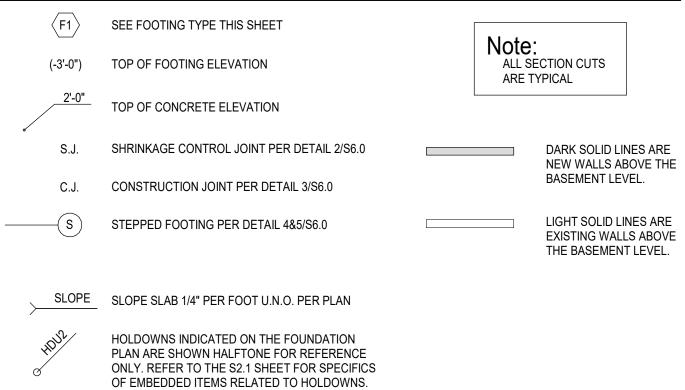
CT ENGINEERING Inc. Structural Engineers 180 Nickerson Street Suite 302 Seattle, WA 98109 206.285.4512 (V) 206.285.0618 (F) www.ctengineering.com
03/25/22
DATE
REVISION
1- <u>0'</u> TES: 22
JOB #: 21162 ENG: BJM CAD: JMA SCALE: 3/4" = 1'-0" KEY ISSUE DATES: SD: SD DD: DD CD: CD PERMIT: 03.25.2022 OTHER: BD
Shearwall Schedule and Details PIPER REMODEL 8429 SE 33RD PLACE MERCER ISLAND, WA 98040
S1.1



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FOUNDATION LEGEND

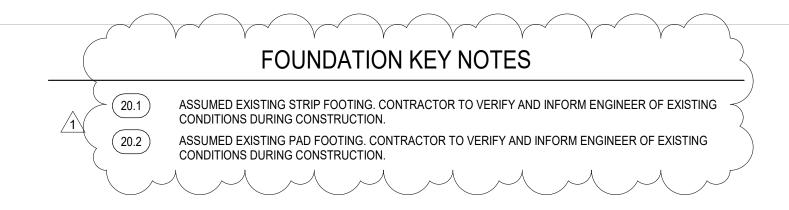


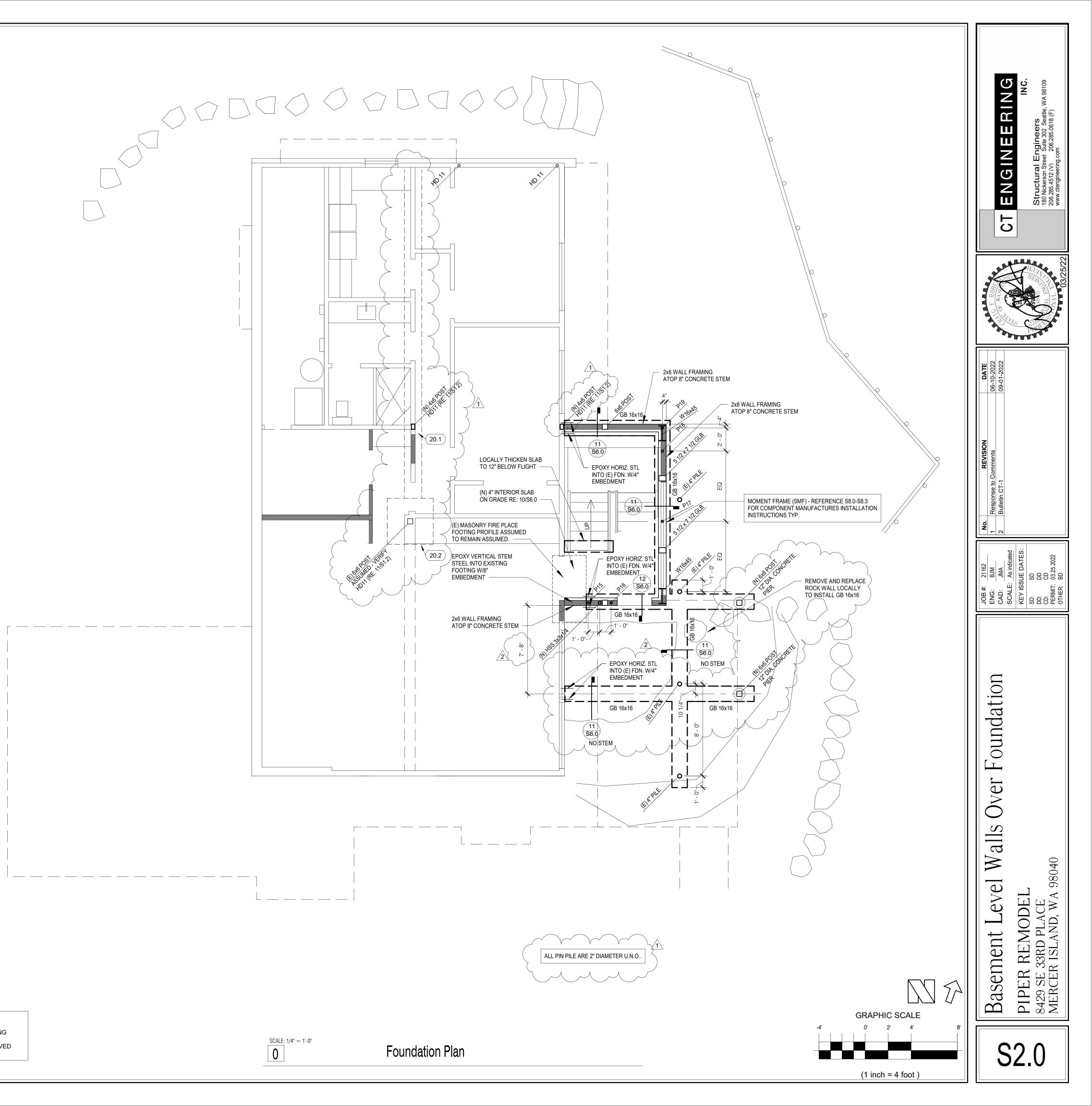
FOUNDATION SCHEDULE

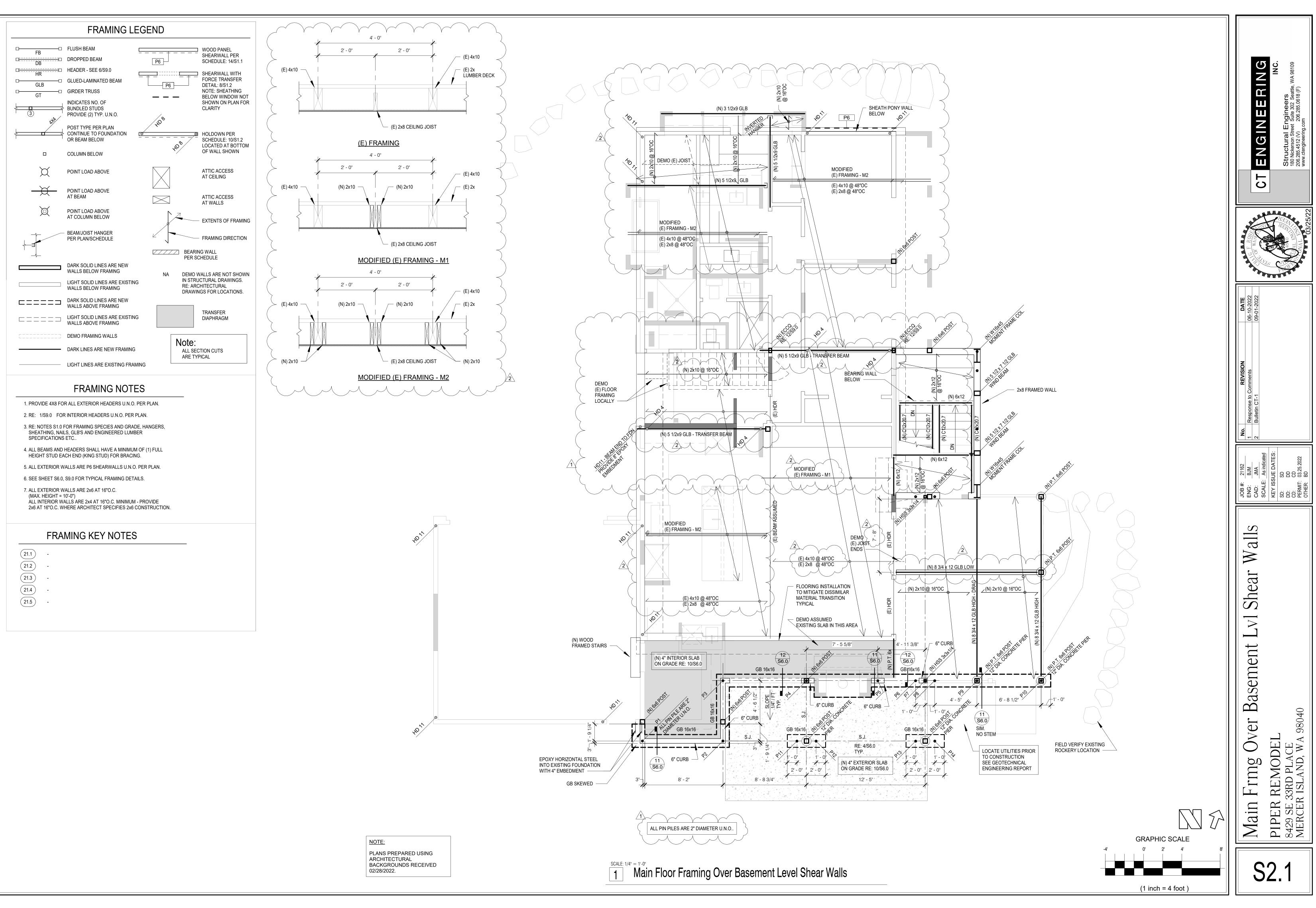
MARK	DEPTH	WIDTH	LENGTH	REINFORCING	DETAILS
F1	8"	1'-4"	CONT.	(2) #4 CONT.	FTG. W/ STEM WALL: 6&7/S6.0
FS	12"	1'-6"	CONT.	(2) #4 CONT.	TYP. THICKENED SLAB FOOTING
F24	12"	24"	24"	(2) #4 EA. WAY	POST FTG.: 9/S6.0 16&17/S6.0
F30	12"	30"	30"	(3) #4 EA. WAY	POST FTG.: 9/S6.0 16&17/S6.0
F36	12"	36"	36"	(3) #4 EA. WAY	POST FTG.: 9/S6.0 16&17/S6.0
F1	8"	1'-4"	CONT.	(2) #4 CONT.	TURNED DOWN SLAB EDGE 6,7,8/S6.0

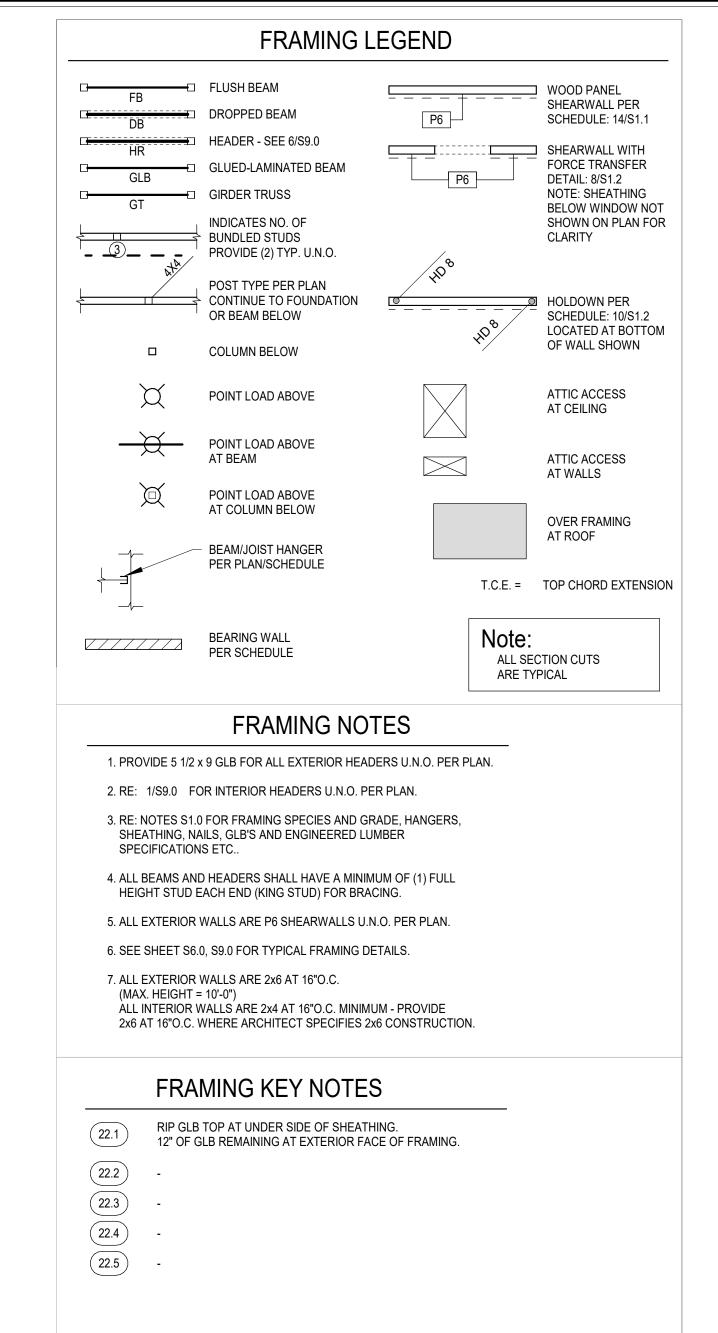
FOUNDATION NOTES

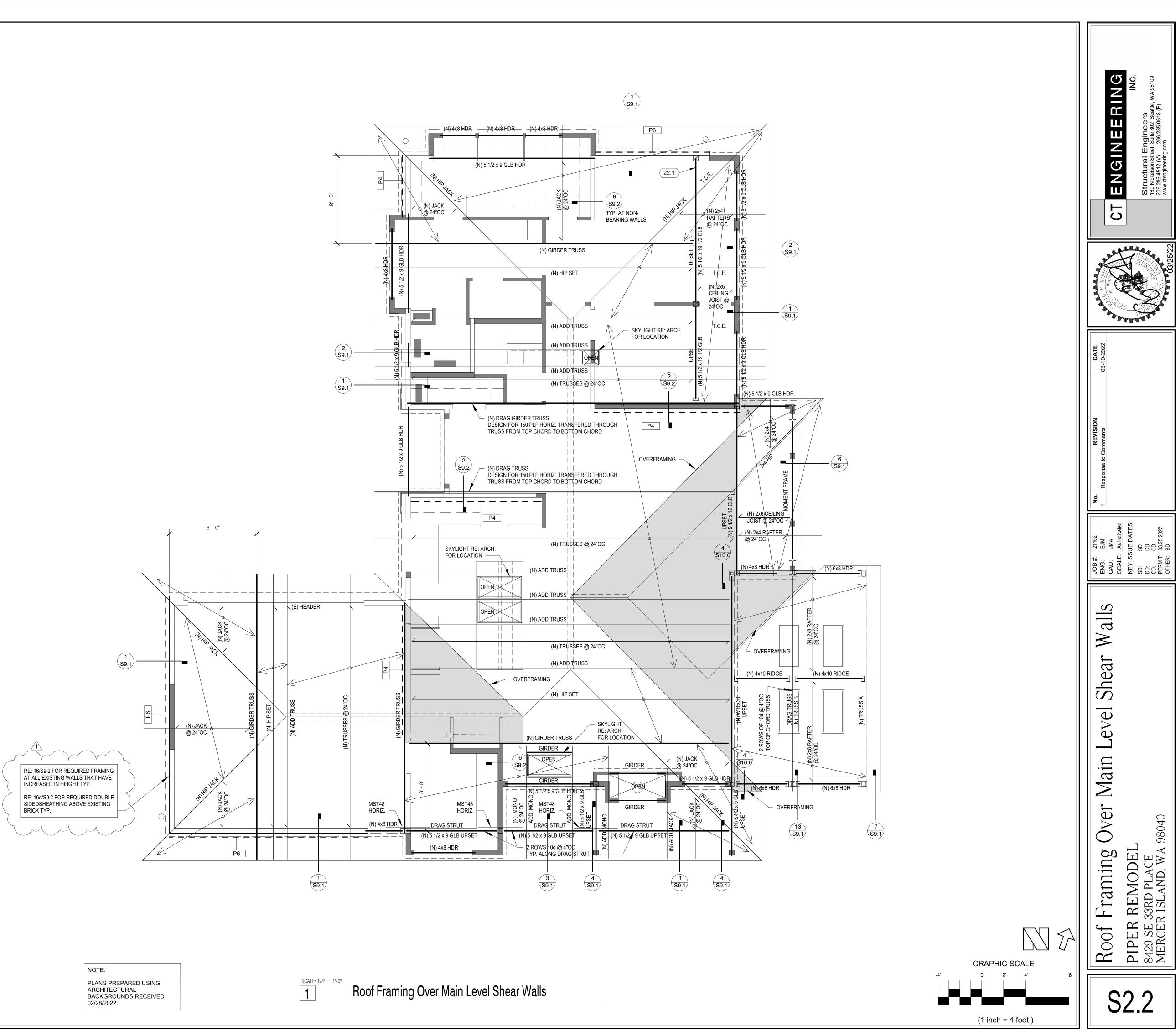
- 1. ALL SOIL BEARING SURFACES ARE SUBJECT TO INSPECTION AND APPROVAL BY THE
- GEOTECHNICAL ENGINEER PRIOR TO REINFORCING AND CONCRETE PLACEMENT. 2. CENTER INTERIOR FOOTINGS ON WALLS OR COLUMNS TYPICAL U.N.O.
- 3. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- SEE ARCHITECTURAL PLANS FOR WALL LOCATIONS.
 CONCRETE WALLS ARE 8" THICK TYPICAL U.N.O.
- 6. SEE SHEET S2.1 FOR WOOD FRAMING LEGEND, NOTES, AND SCHEDULES.
- 7. PROVIDE 4" DIAMETER PERFERATED FOOTING DRAINS AT PERIMETER OF FOUNDATIONS TYPICAL. PROVIDE 4" DIAMETER TIGHTLINES FOR DOWNSPOUTS, EXTEND TO DAYLIGHT.



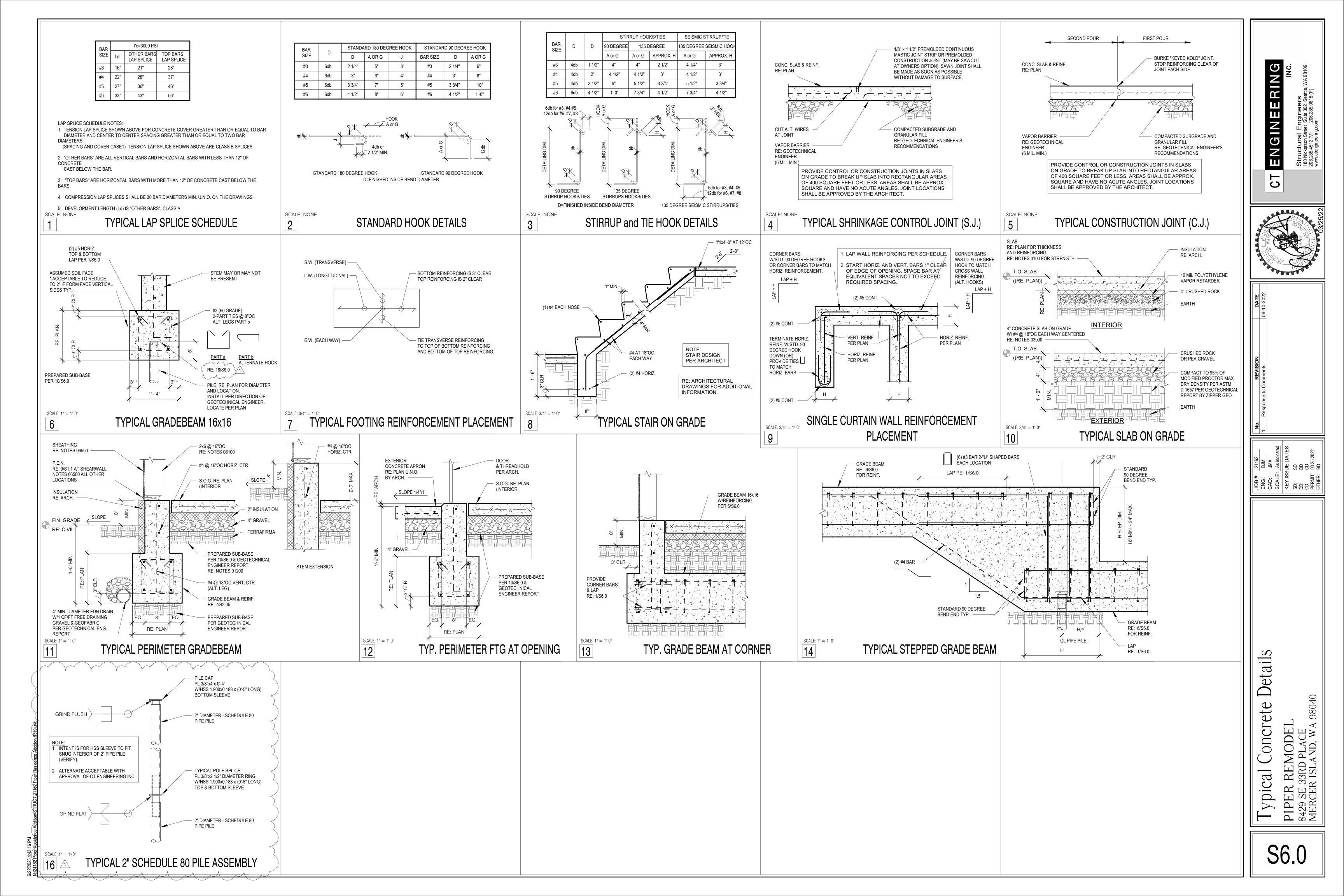


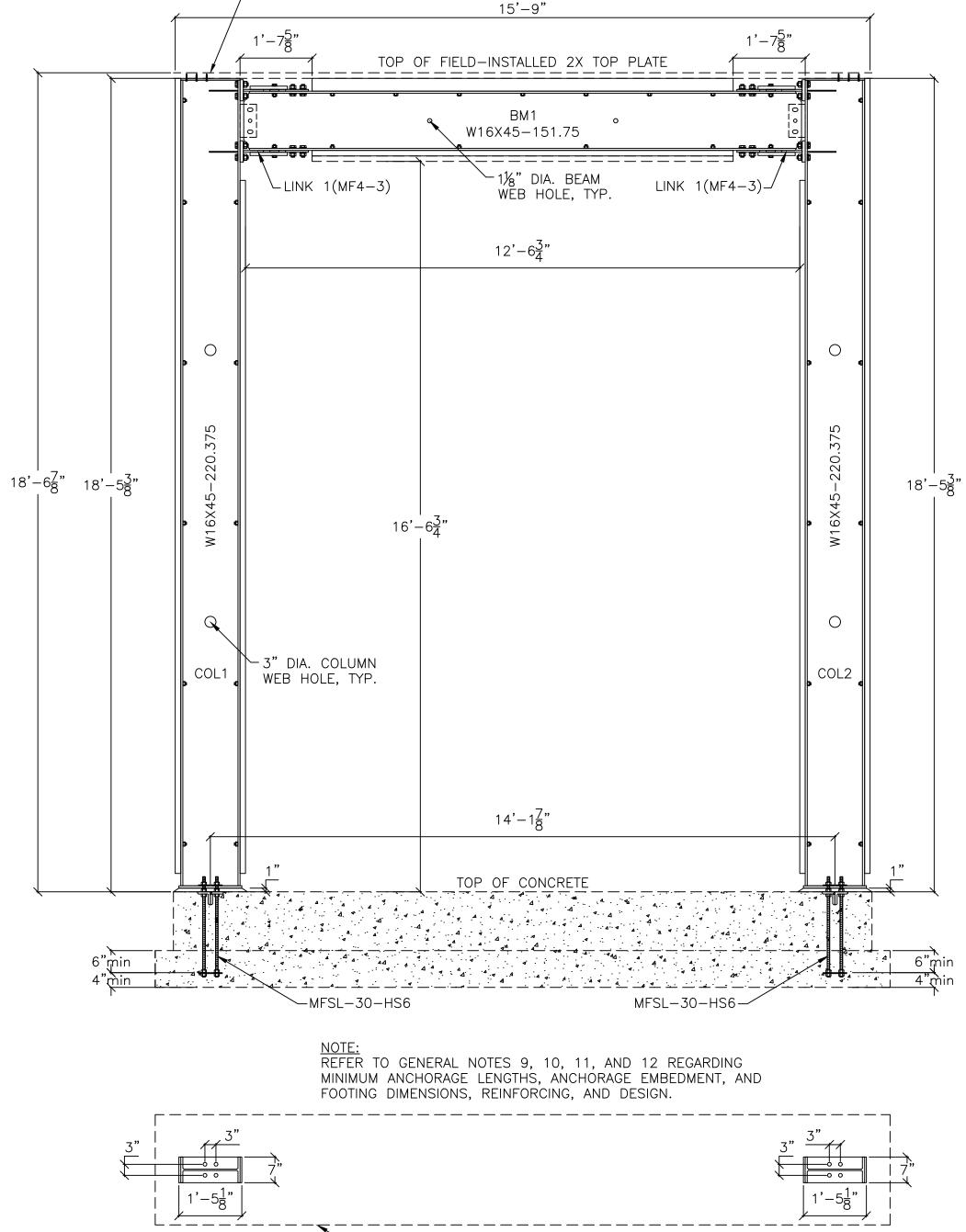










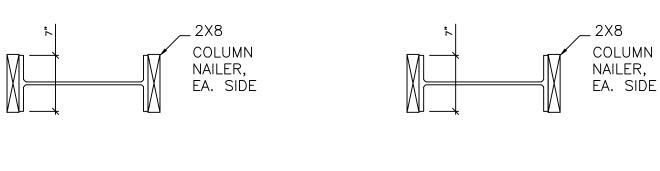


PROVIDE 1160 LBS (ASD) FOR TOP

OF COLUMN STABILITY BRACING, TYP.

-GRADE BEAM PER DESIGNER FRAME MODEL: SMFX16z16-151.75x220.375-(MF4-3)

FRAME ELEVATION



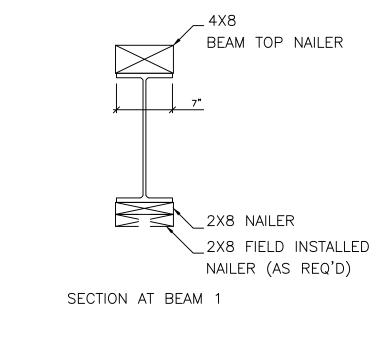
SECTION AT COLUMN 1

SECTION AT COLUMN 2

COLUMN SECTION SCALE:1" = 1'-0"

Simpson Strong—Tie[®] Strong Frame[®] and the Yield—Link[™] structural fuse are protected under one or more of the following US patents and applications: US patent No. 8,001,734 B2, US patent No. 8,375,652 B2, and US patent publication No. 2015/0159362, and must be supplied or licensed through Simpson Strong-tie.

SCALE: 1/2" = 1'-0"



BEAM SECTION SCALE:1" = 1'-0"

LENGTH ROD SIZE MODEL NO. & NUMBER (in) MFSL-14-6 4 - 3/4 MFSL-14-HS6 $4 - \frac{3}{4}$ | 14 | $4 - \frac{3}{4}$ MFSL-18-6 MFSL-18-HS6 4 - 3/4 | 18 | MFSL-24-6 4 - 3/4 $4 - \frac{3}{4}$ MFSL-24-HS6 MFSL-30-6 $4 - \frac{3}{4}$

THE MFSL ANCHOR ASSEMBLIES HAVE BEEN ENGINEERED TO PROVIDE A COMPLETE ANCHORAGE SOLUTION MEETING THE 2012 AND 2015, 2018 INTERNATIONAL BUILDING CODE REQUIREMENTS FOR BOTH TENSION AND SHEAR.

MFSL-30-HS6

MFSL-36-HS6

MFSL-36-6

ANCHOR RODS AND THE MFTPL TEMPLATE ARE INCLUDED PRE-ATTACHED WITH THE ASSEMBLY.

INSPECTION IS EASY; THE HEAD IS STAMPED WITH A "NO EQUAL" SYMBOL FOR IDENTIFICATION, BOLT LENGTH, BOLT DIAMETER, AND OPTIONAL "HS" FOR HIGH STRENGTH IF SPECIFIED.

REGISTERED COMPANY. - 2018, 2015 AND 2012 INTERNATIONAL BUILDING CODE

GENERAL NOTES:

- AISC SEISMIC PROVISIONS (ANSI/AISC 341-05, 341-10, 341-16)

- DESIGNER.

- CHORDS AND COLLECTORS AND FOUNDATIONS.

- AND FRAME STABILITY / OVERTURNING.
- 12. DESIGNER MUST DETAIL ACTUAL FOOTING / GRADE BEAM SIZE AND REINFORCING.
- PRIOR TO CONSTRUCTION.
- SUCH CHANGES.
- 17. ALL HARDWARE CALLED OUT IS SIMPSON STRONG-TIE[®].

<u>MATERIAL</u>

- 2. W-SECTIONS (HOT ROLLED SECTIONS): ASTM A992

- 6. BEAM TOP FLANGE WOOD NAILER BOLT: ASTM A307 GR. A
- 7. CARRIAGE BOLTS: ASTM A307 GR. A
- 9. GROUT: ASTM C1107, MINIMUM 5,000 PSI COMPRESSIVE STRENGTH

INSTALLATION AND FIELD MODIFICATIONS:

COMPANY INC. PRODUCTS.

- BULLETINS, FAQS, AND OTHER PERTINENT INFORMATION

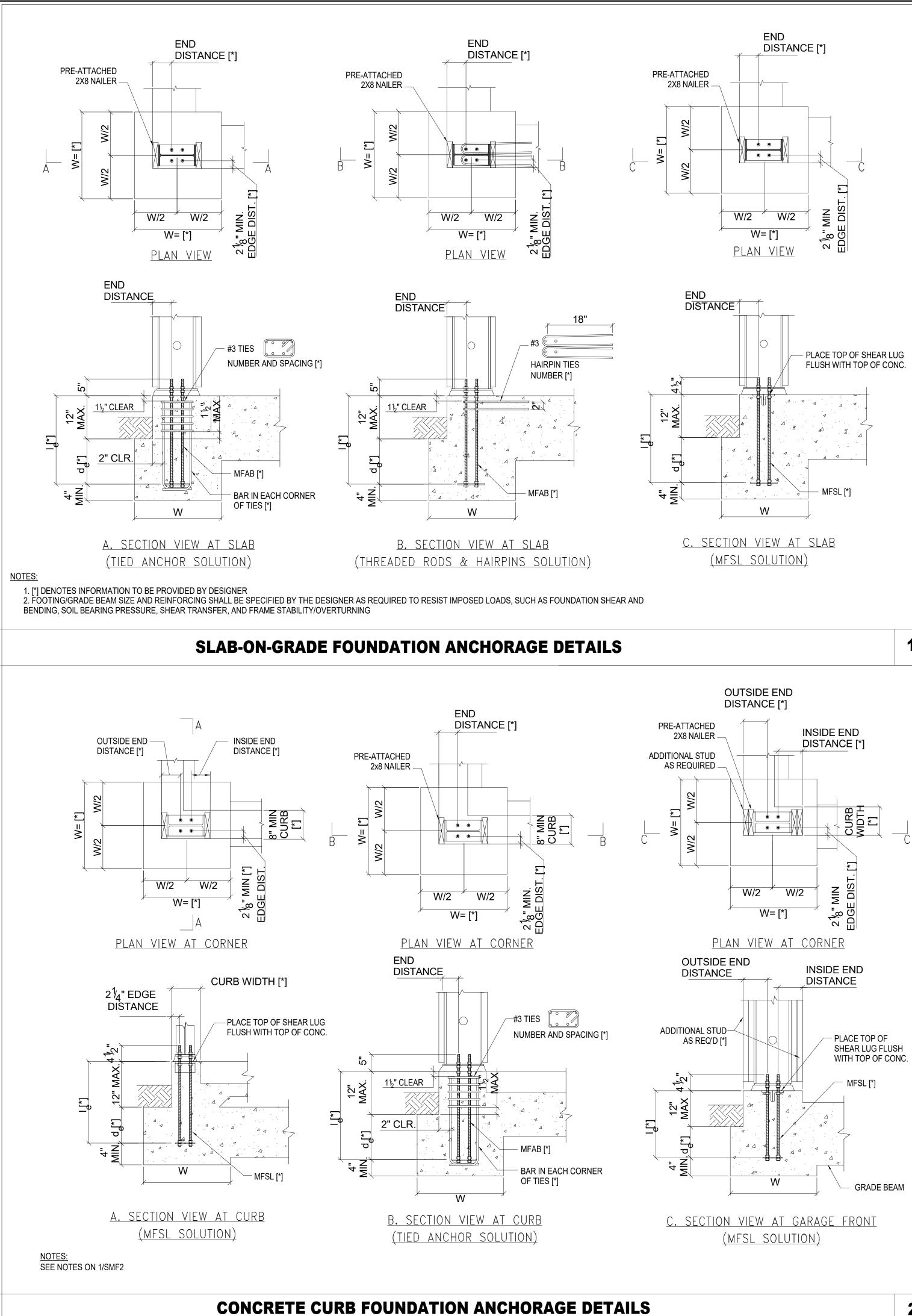
- THE FRAME. SOME PRE-INSTALLED ITEMS MAY NOT USE ALL HOLES.
- 8. REFER TO DETAIL 11/SMF3 FOR CONNECTION PROTECTED ZONE

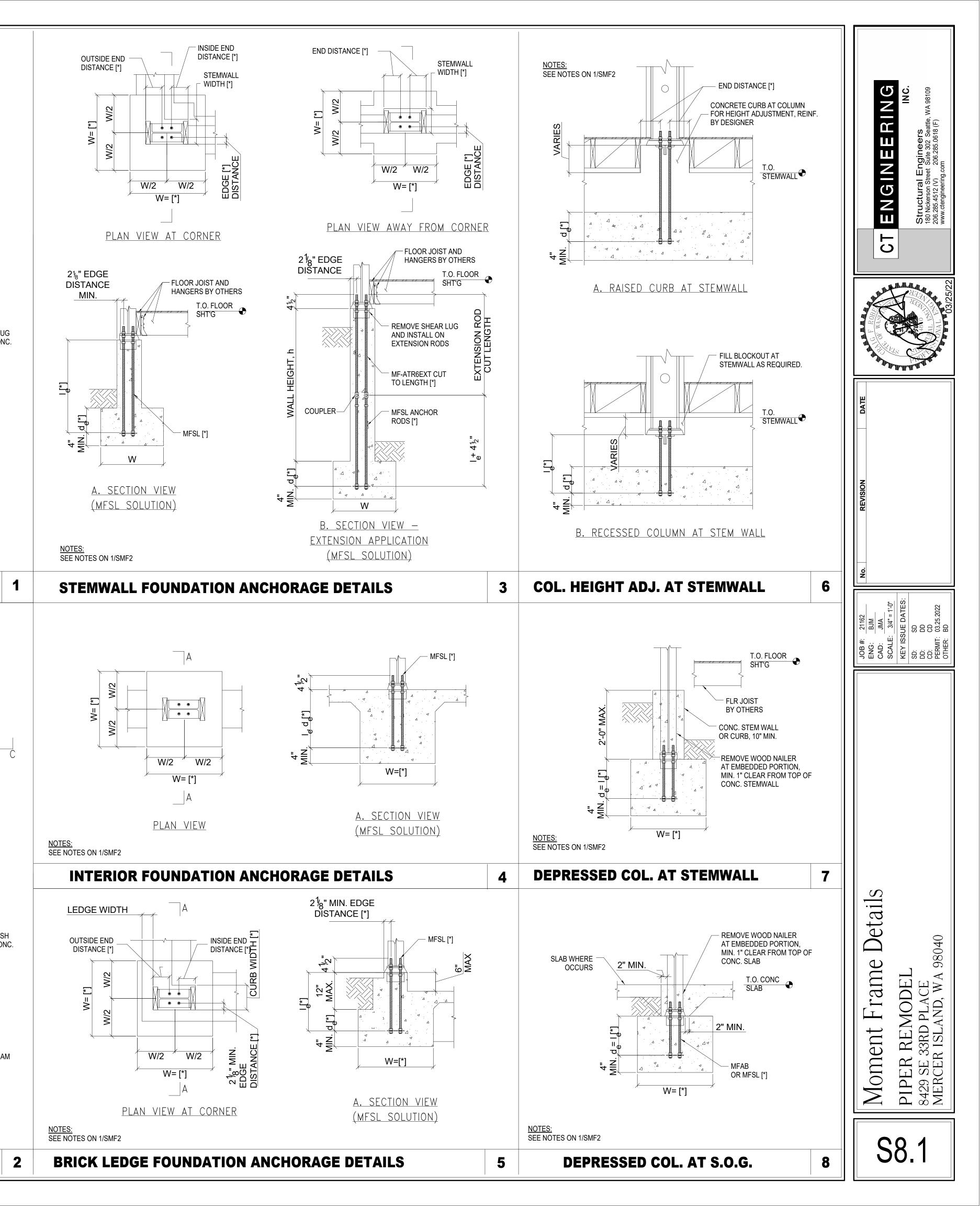
- **INSPECTIONS**
- BY THE DESIGNER.
- REQUIREMENTS

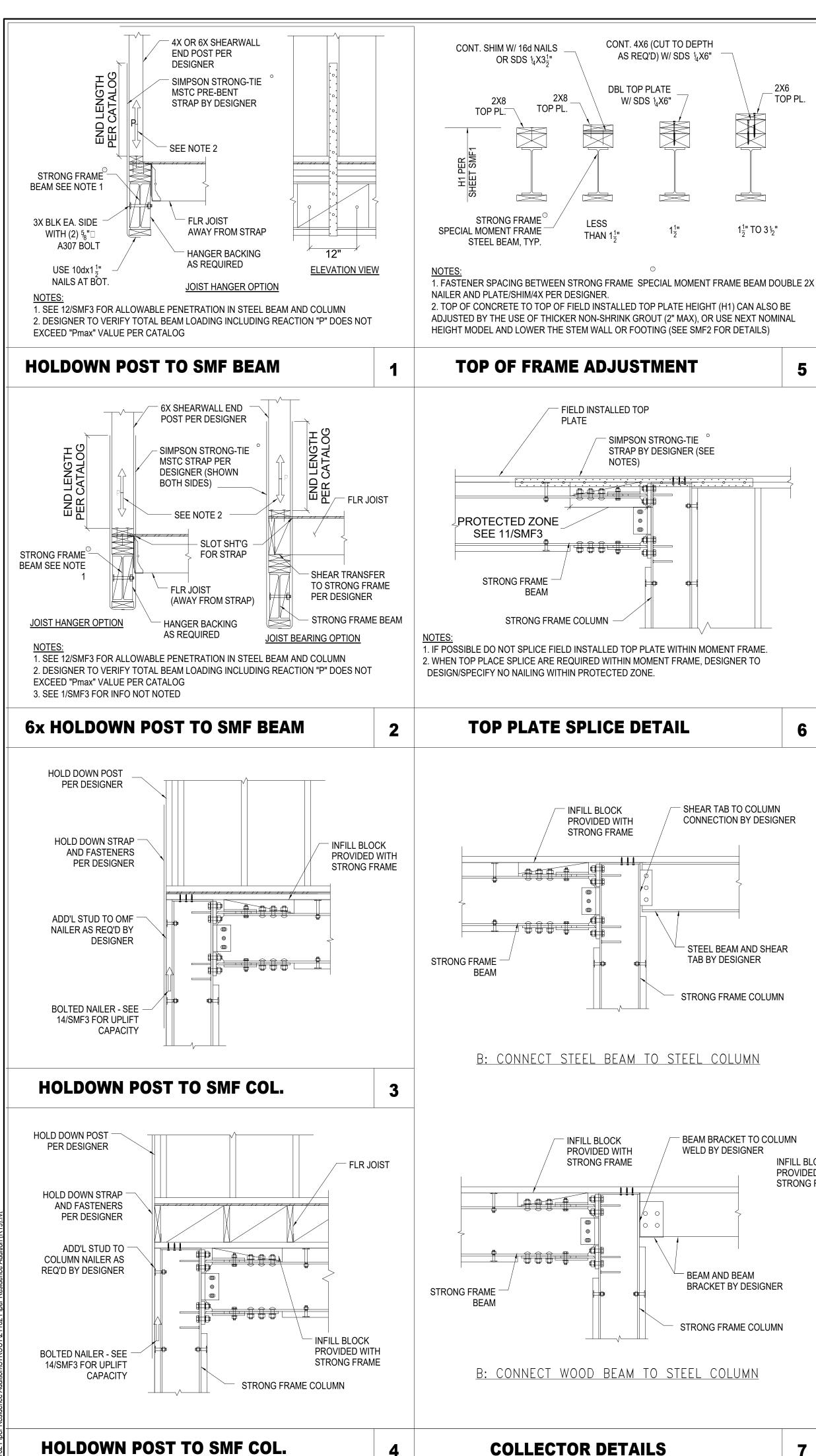
 $4 - \frac{3}{4}$ $4 - \frac{3}{4}$

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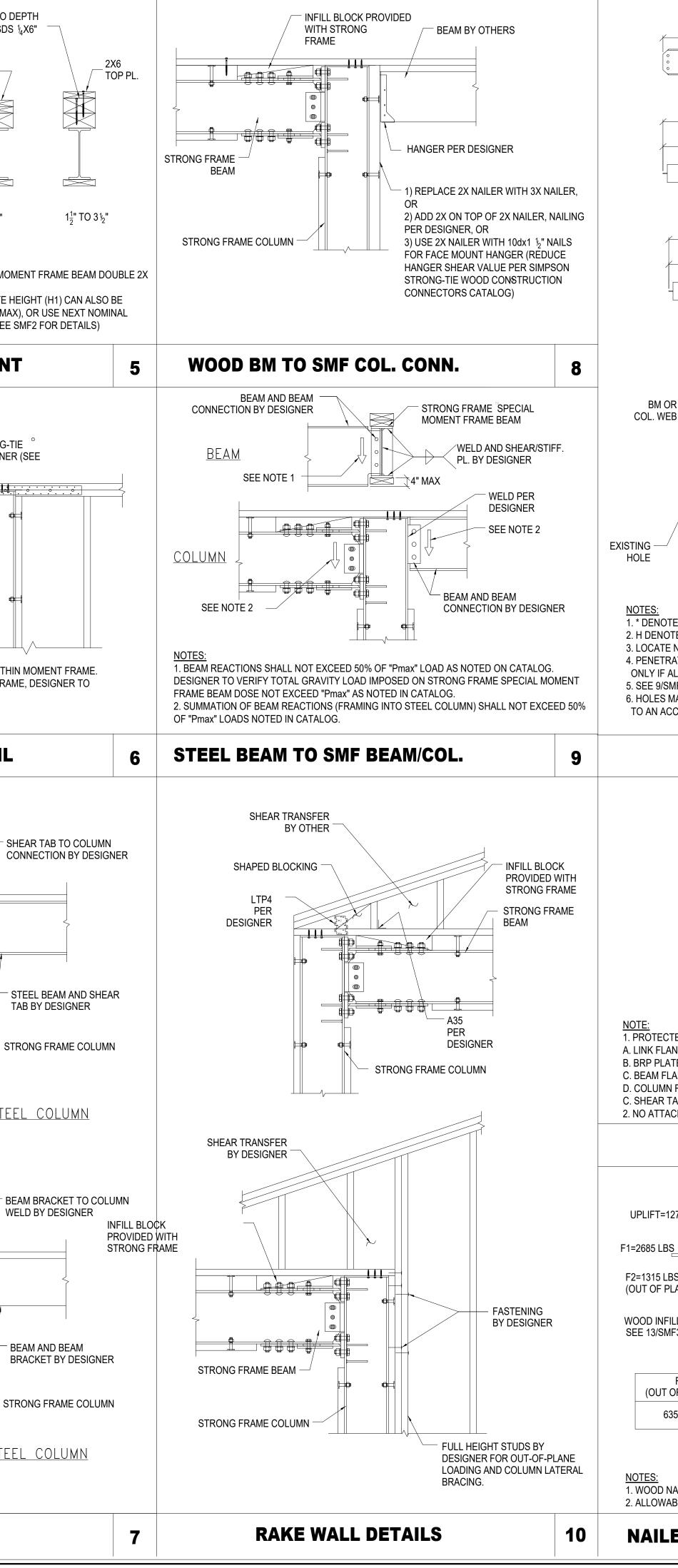


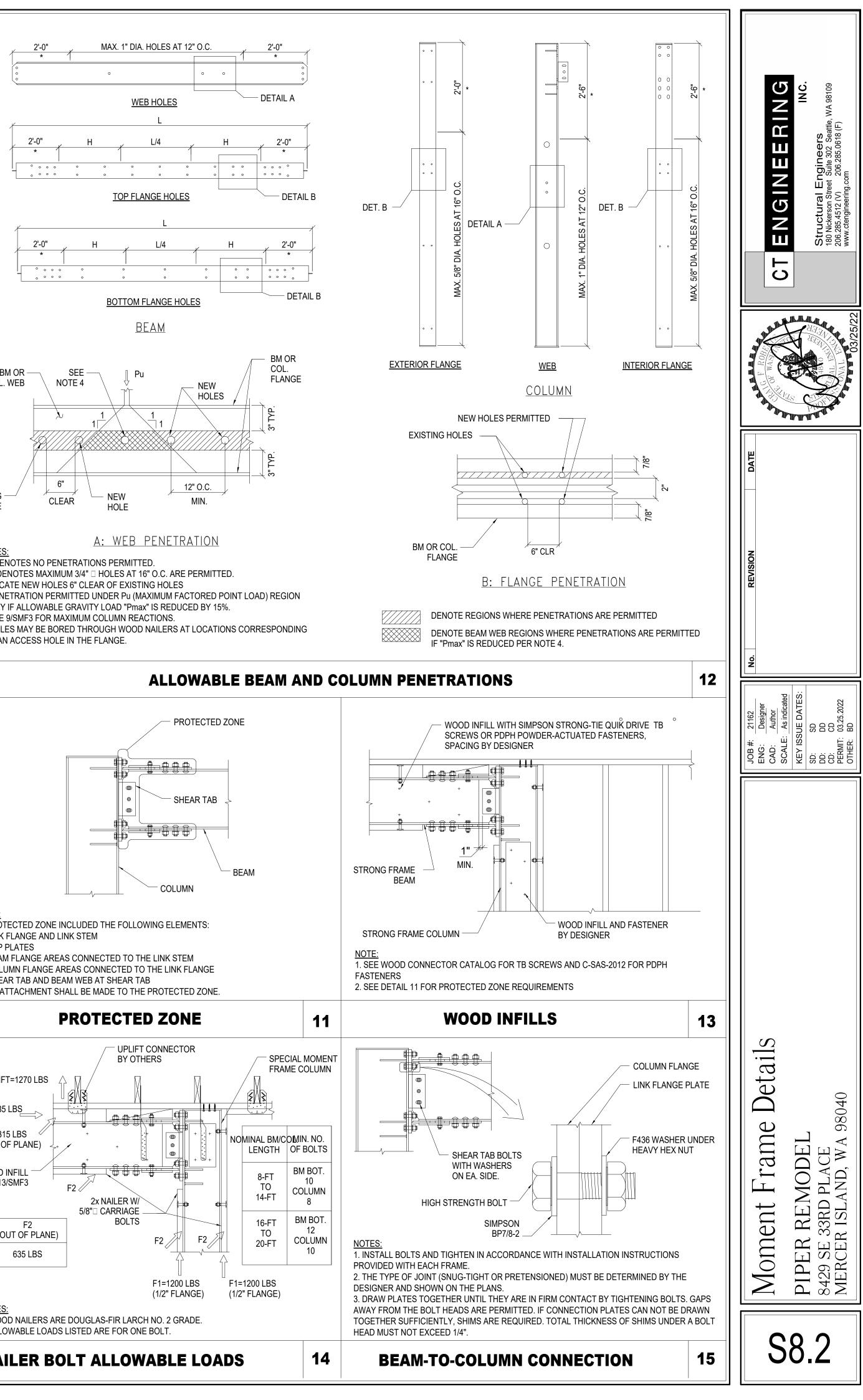


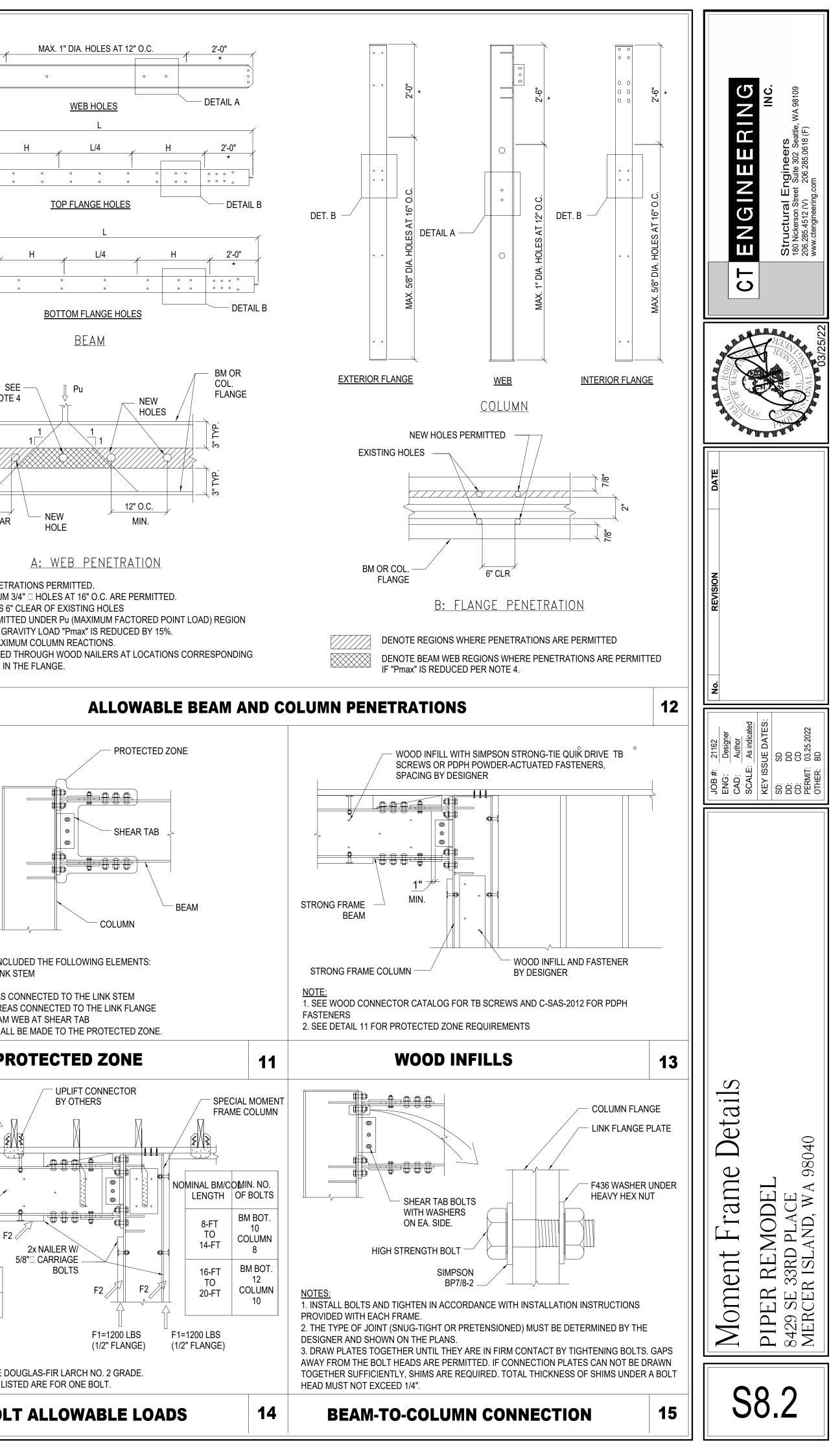


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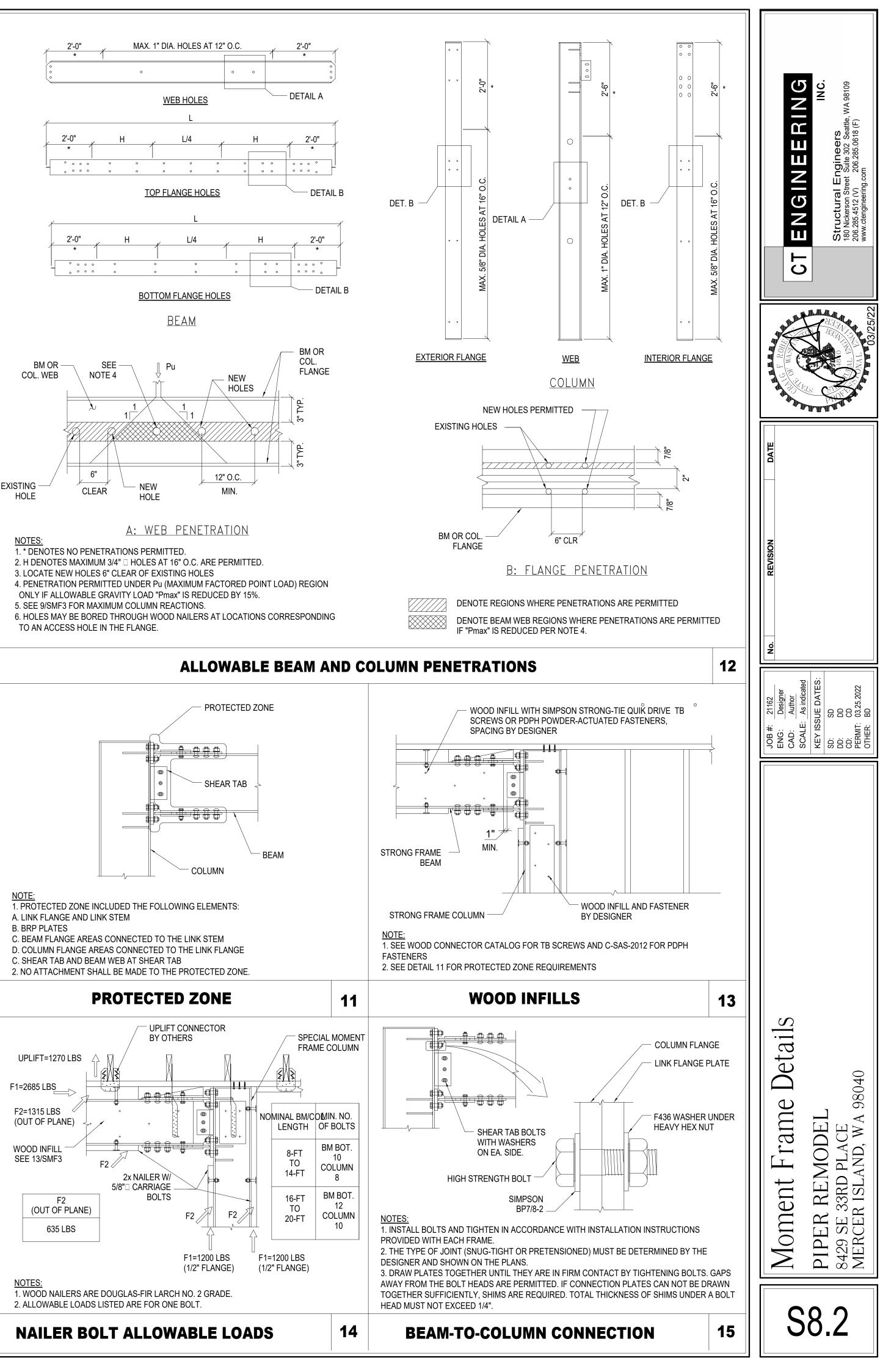
COLLECTOR DETAILS

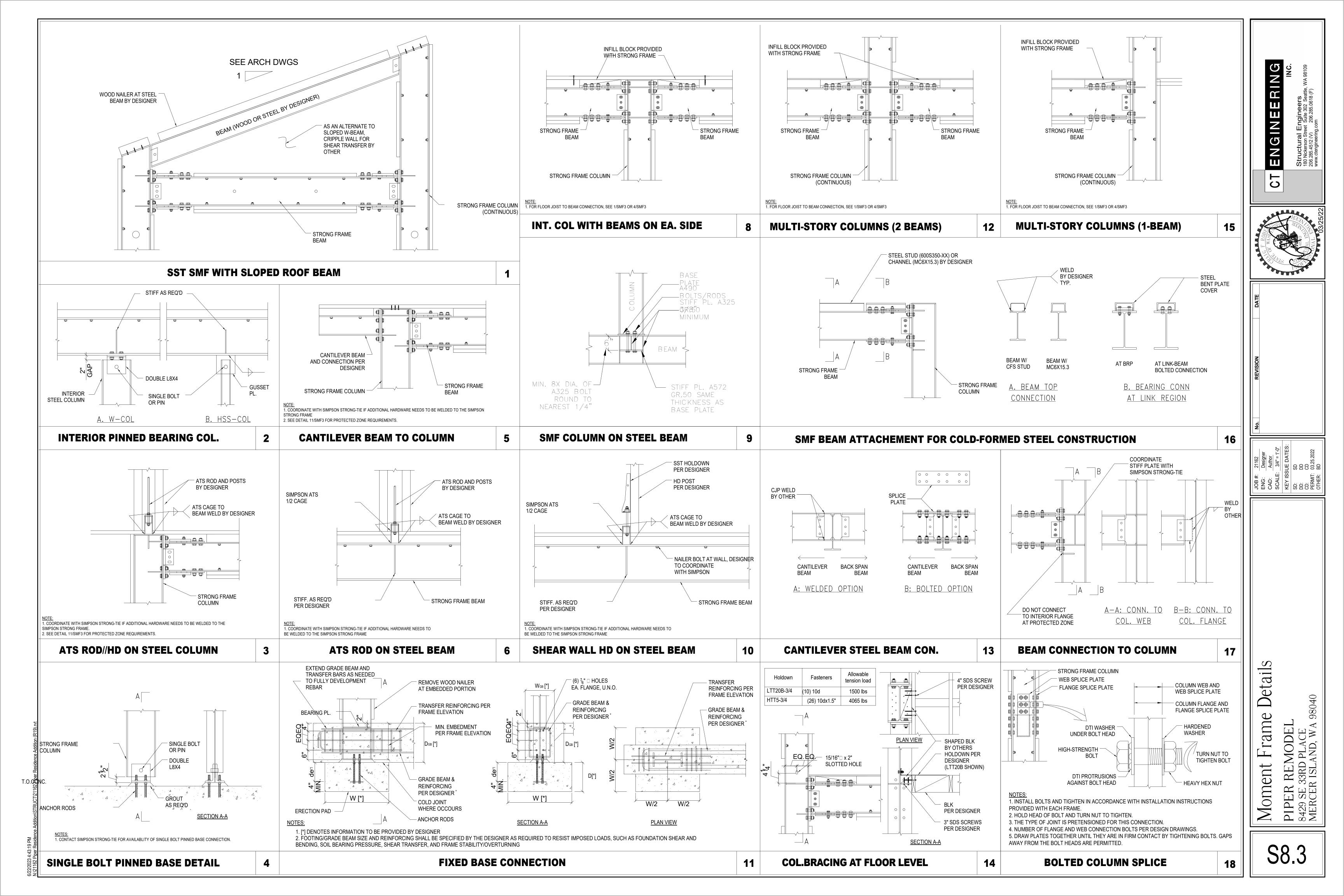


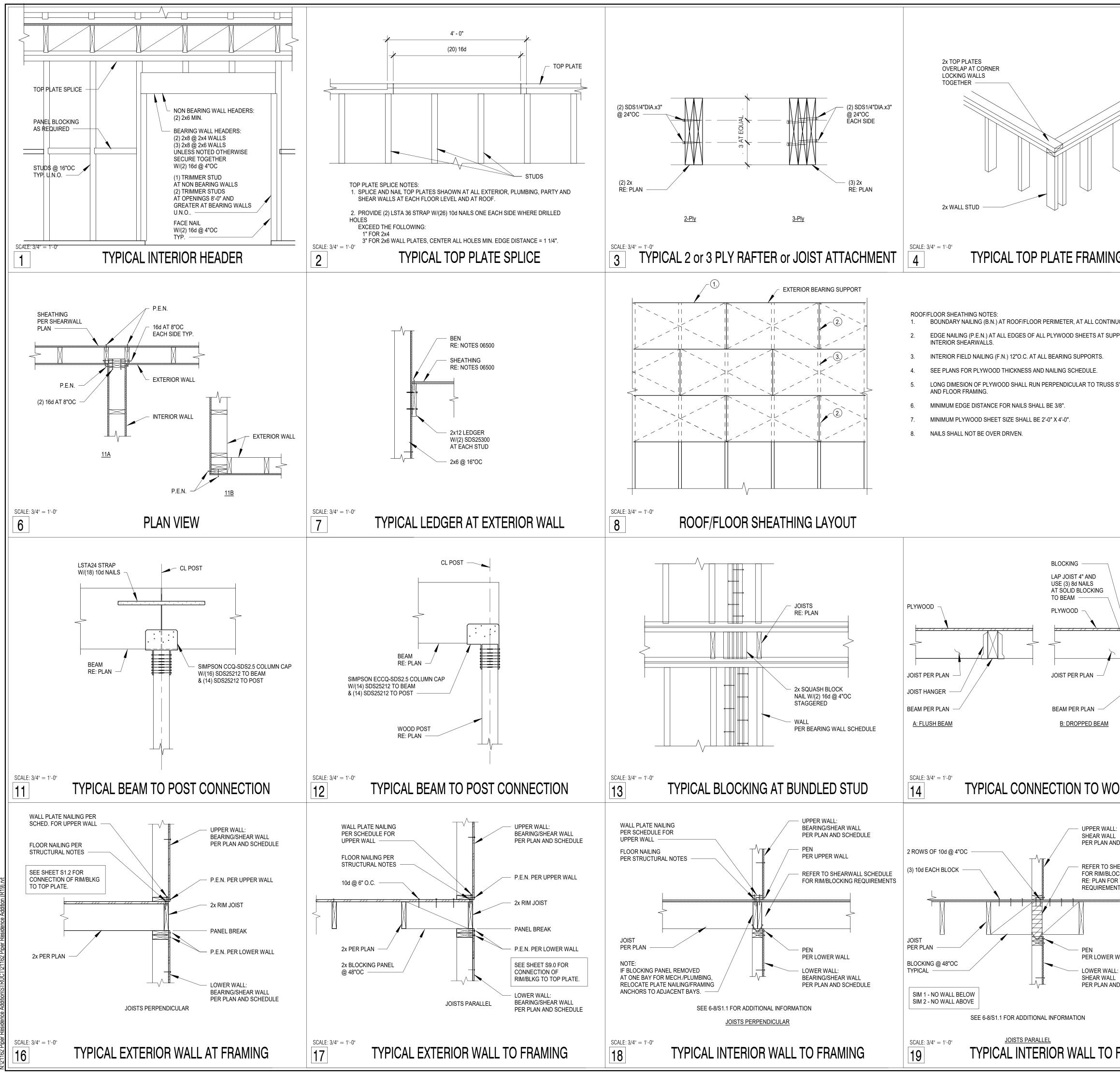




A. LINK FLANGE AND LINK STEM

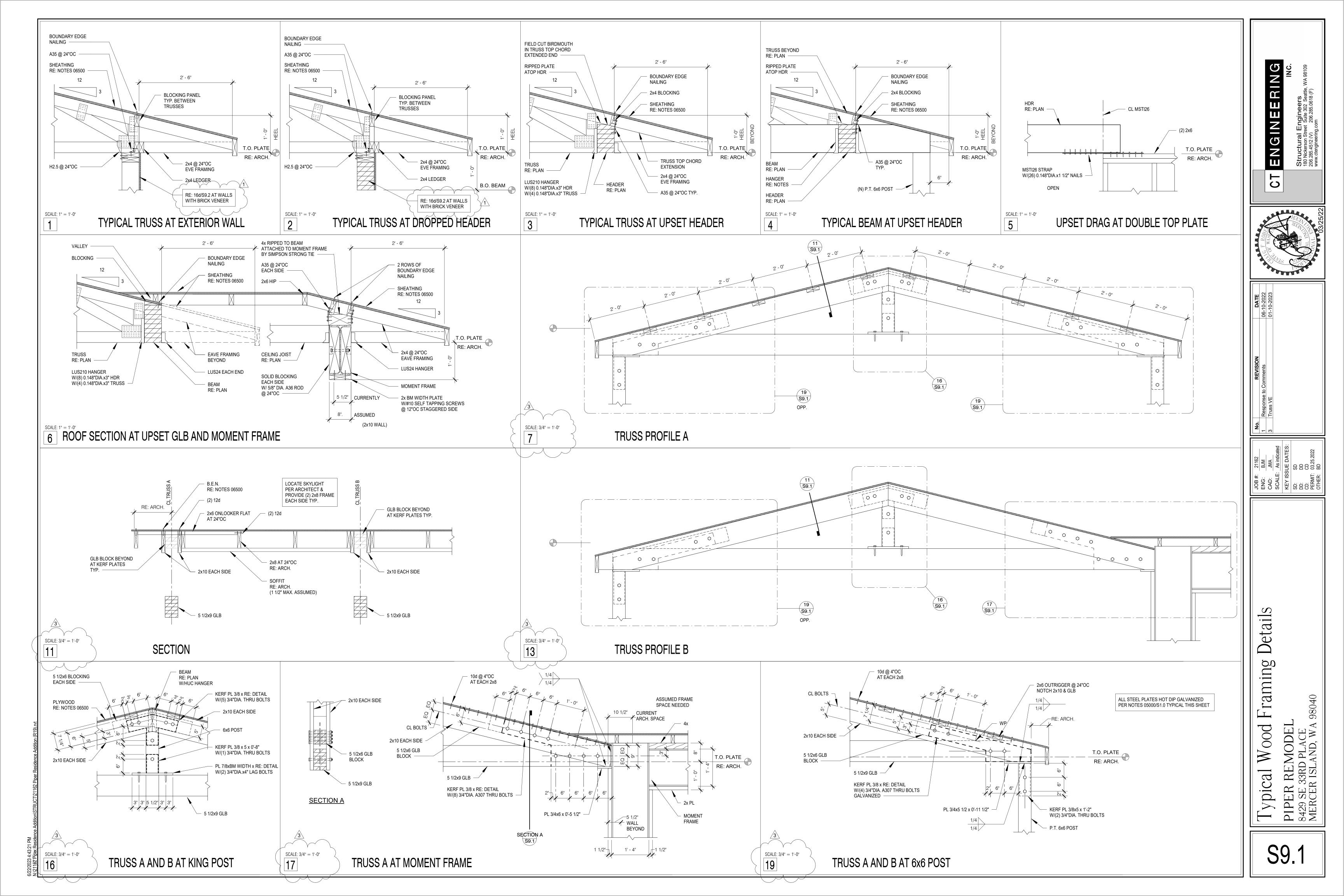


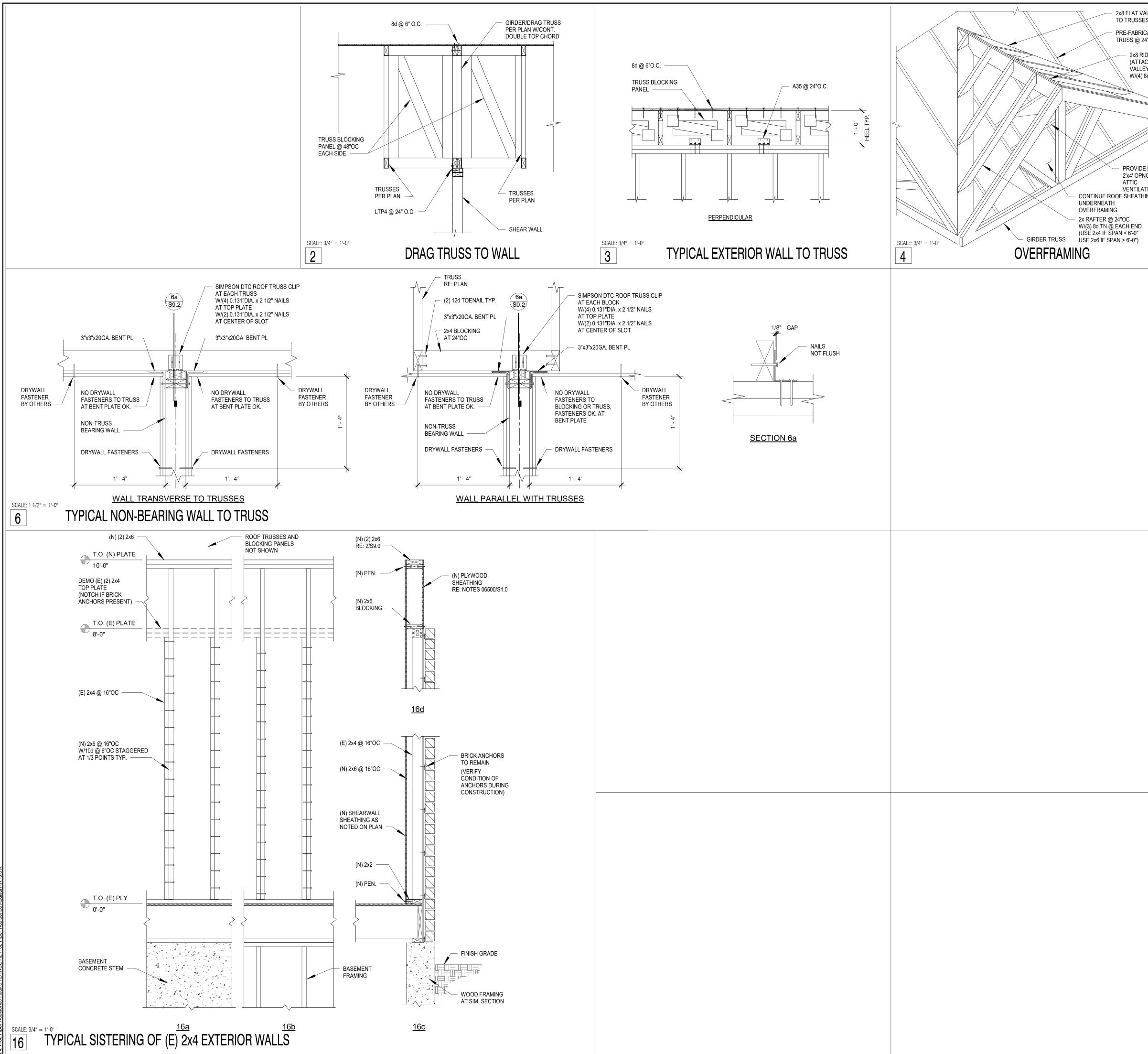




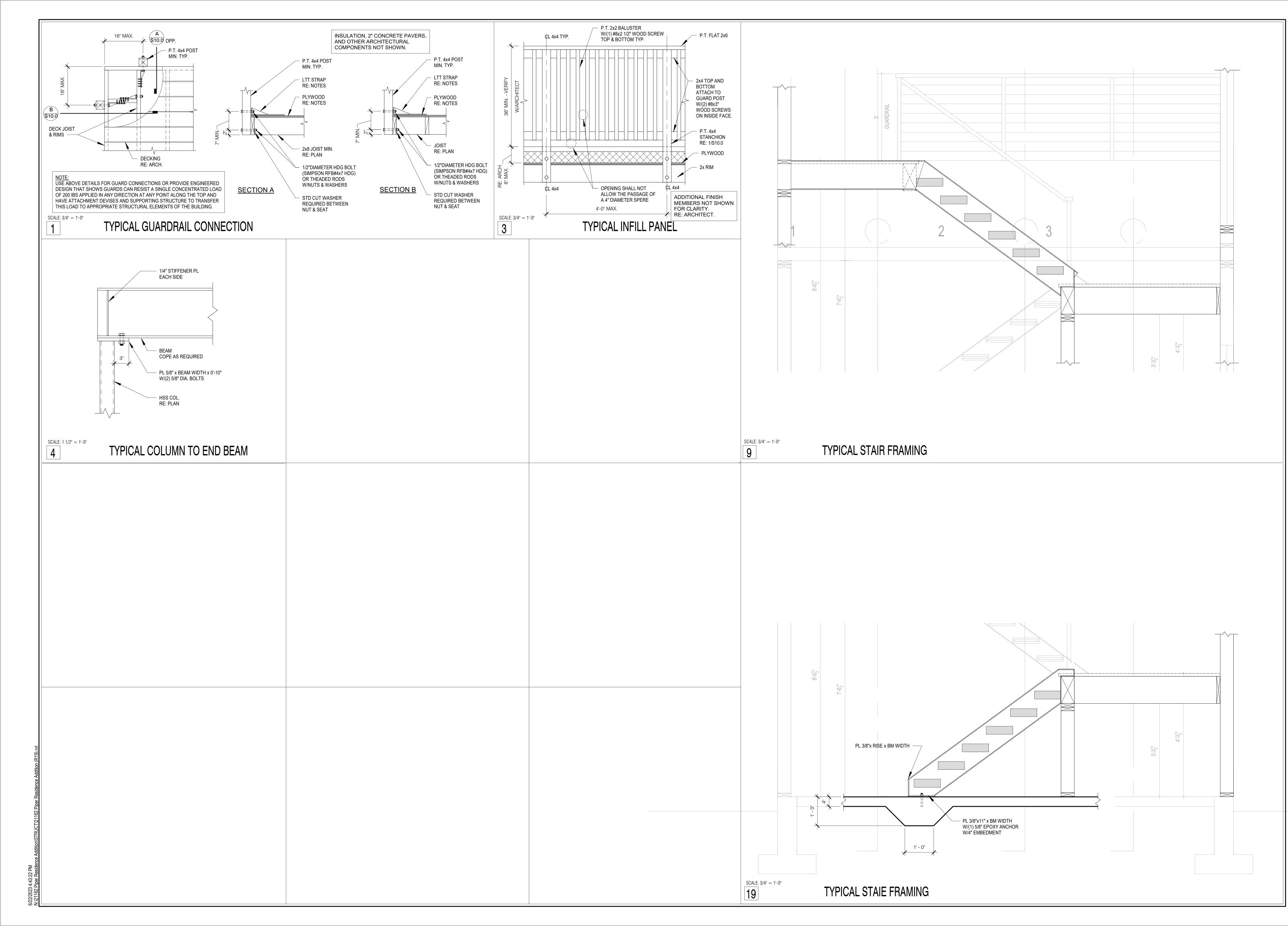
4:43:20 PM her Residence Addition/STRUCT/21162 Piper Residence Addition

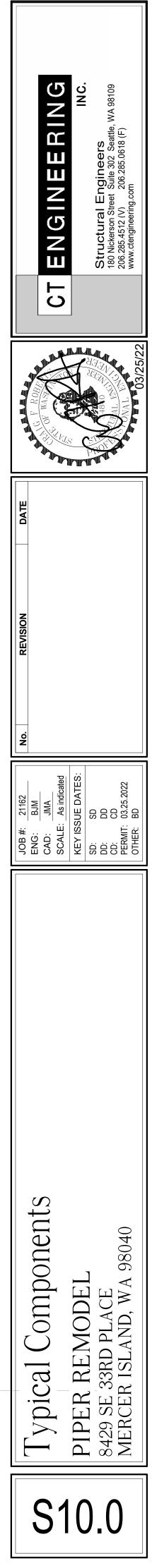
	CONNECTION	304.10.1 FASTENING SCHED FASTENING (a)		
	ROOF 1. BLOCKING BETWEEN CEILING JOISTS, RAFTERS OR TRUSSES TO TOP PLATE OR OTHER FRAMING BELOW BLOCKING BETWEEN RAFTERS OR		EACH END, TOENAIL	NG MA 98109
	BLOCKING BETWEEN RAFTERS OR TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS BLOCKING BETWEEN RAFTERS OR	 (2) 8d COMMON (2 1/2" X 0.131") (2) 3" X 0.131" NAILS (2) 16d COMMON (3 1/2" X 0.162") 	EACH END, TOENAIL	Seattle, WA 9
	TRUSSES NOT AT THE WALL TOP PLATE, TO RAFTER OR TRUSS FLAT BLOCKING TO TRUSS AND WEB	(2) 16d COMMON (3 1/2 × 0.162) (3) 3" X 0.131" NAILS 16d COMMON (3 1/2" X 0.161") AT	FACE NAIL	
	FILLER 2. CEILING JOISTS TO TOP PLATE	6"OC (3) 8d COMMON (3 1/2" X 0.131"); OR (3) 3" X 0.131" NAILS	EACH JOIST, TOENAIL	ing.
	3. CEILING JOIST NOT ATTACHED TO PARALLEL RAFTER, LAPS OVER PARTITIONS (NO THRUST) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1)	(3) 16d COMMON (3 1/2" X 0.162"); OR (4) 3" X 0.131" NAILS	FACE NAIL	ENG Structura 180 Nickerson S 206.285.4512 (V www.ctengineer
	 4. CEILING JOIST ATTACHED TO PARALLEL RAFTER (HEEL JOINT) (SEE SECTION 2308.7.3.1, TABLE 2308.7.3.1) 5. COLLAR TIE TO RAFTER 	PER TABLE 2308.7.3.1		C I
	 COLLAR TIE TO RAFTER RAFTER OR ROOF TRUSS TO TOP DI ATE (SEE SECTION 2308 7.5 TABLE) 	 (3) 10d COMMON (3" X 0.148"); OR (4) 3" X 0.131" NAILS (3) 10d COMMON (3" X 0.148");OR (4) 2" X 0.124" NAU S 	FACE NAIL	
IG DETAIL	HIP RAFTERS; OR ROOF RAFTER TO		END NAIL	
	2-INCH RIDGE BEAM WALL 8. STUD TO STUD	16d COMMON (3 1/2" X 0.162");	24"OC FACE NAIL	
NUOUS PANEL EDGES. PPORTS AND AT	 (NOT AT BRACED WALL PANELS) 9. STUD TO STUD AND ABUTTING STUDS AT INTERSECTING WALL CORNERS (AT BRACED WALL PANELS) 	3" X 0.131" NAIÈS 16d COMMON (3 1/2" X 0.162");OR 3" X 0.131" NAILS	16"OC FACE NAIL 16"OC FACE NAIL 12"OC FACE NAIL	
	 10. BUILT-UP HEADER (2" TO 2" HEADER) 11. CONTINUOUS HEADER TO STUD 	16d COMMON (3 1/2" X 0.162") (4) 8d COMMON (2 1/2" X 0.131")	16"OC EACH EDGE, FACE NAIL TOENAIL	DATE
SYSTEM FRAMING	 12. TOP PLATE TO TOP PLATE 13. TOP PLATE TO TOP PLATE, AT END JOINTS 	16d COMMON (3 1/2" X 0.162") OR 3" X 0.131" NAILS (8) 16d COMMON (3 1/2" X 0.162") OR (12) 3" X 0.131" NAILS	16"OC FACE NAIL 12"OC FACE NAIL EACH SIDE OF END JOINT, FACE NAIL (MINIMUM 24" LAP SPLICE LENGTH EACH SIDE OF END JOINT)	2
	14. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING (NOT AT BRACED WALL PANELS)	16d COMMON (3 1/2" X 0.162"); OR 3" X 0.131" NAILS	16"OC FACE NAIL 12"OC FACE NAIL	REVISION
	15. BOTTOM PLATE TO JOIST, RIM JOIST, BAND JOIST OR BLOCKING AT BRACED WALLO PANELS	(2) 16d COMMON (3 1/2" X 0.162"); OR (4) 3" X 0.131" NAILS	16"OC FACE NAIL	
	16. STUD TO TOP OR BOTTOM PLATE STUD TO TOP OR BOTTOM PLATE	 (4) 8d COMMON (2 1/2" X 0.131"); OR (3) 3" X 0.131" NAILS (2) 16d COMMON (3 1/2" X 0.162"); 	TOENAIL END NAIL	
	17. TOP OT BOTTOM PLATE TO STUD	OR (2) 16d COMMON (3 1/2" X 0.162"); OR (3) 3" X 0.131" NAILS	END NAIL	Ž
	 TOP PLATES, LAPS AT CORNERS AND INTERSECTIONS AND PLATE 	(2) 16d COMMON (3 1/2" X 0.162"); OR (3) 3" X 0.131" NAILS		162 JM AA (4) = 1'-0" : DATES: :25.2022
	 1" BRACE TO EACH STUD AND PLATE 1" X 6" SHEATHING TO EACH BEARING 	 (2) 8d COMMON (2 1/2" X 0.131"); OR (2) 3" X 0.131" NAILS (2) 8d COMMON (2 1/2" X 0.131") 	FACE NAIL	HIT: 03.2 BD DD D
	21. 1" X 8" AND WIDER SHEATHING TO EACH BEARING	(3) 8d COMMON (2 1/2" X 0.131")	FACE NAIL	JOB # ENG: CAD: CAD: KEY IS SCALF KEY IS CD: CD: CD: CD: CD: CD: CD: CD: CD: CD:
	FLOOR 22. JOIST TO SILL, TOP PLATE, OR GIRDER	(3) 8d COMMON (2 1/2" X 0.131"); OR 3" X 0.131" NAILS	TOENAIL	
	23. RIM JOIST, BAND JOIST, OR BLOCKING TO TOP PLATE, SILL OR OTHER24. 1" X 6" SUBFLOOR OR LESS TO EACH	3" X 0.131" NAILS	6"OC, TOENAIL FACE NAIL	
	25. 2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d COMMON (3 1/2" X 0.162")	FACE NAIL	
	 2" PLANKS (PLANK NAD BEAM-FLOOR AND ROOF) BUILT-UP GIRDERS AND BEAMS, 2" LUMBER LAYERS 	(2) 16d COMMON (3 1/2" X 0.162") 20d COMMON (4" X 0.192")	EACH BEARING, FACE NAIL 32"OC, FACE NAIL AT TOP AND BOTTOM	
		3" X 0.131" NAILS	STAGGERED ON OPPOSITE SIDES 24"OC, FACE NAIL AT TOP AND BOTTOM STAGGERED ON	$\overline{\mathbf{S}}$
OOD BEAM	28. LEDGER STRIP SUPPORTING JOISTS OR RAFTERS	(2) 20d COMMON (4" X 0.192"); OR (3) 3" X 0.131" NAILS (3) 16d COMMON (3 1/2" X 0.162"); OR (4) 3" X 0.131" NAILS		Details
	29. JOIST TO BAND JOIST OR RIM JOIST	 (2) 16d COMMON (3) 3" X 0.131" NAILS (3) 16d COMMON (3 1/2" X 0.162"); OR 	FACE NAIL	ning
L: L ND SCHEDULE	30. BRIDGING OR BLOCKING TO JOIST, RAFTER OR TRUSS	 (4) 3" X 0.131" NAILS (2) 8d COMMON (2 1/2" X 0.131"); OR (2) 3" X 0.131" NAILS 		
HEARWALL SCHEDULE OCKING REQUIREMENTS	 31. WOOD STRUCTURAL PANELS TO FRAMING SUBFLOOR TO FRAMING a. COMMON OR BOX NAILS ARE PERMITTE 		D OTHERWISE.	Fr6
DR TRANSFER BEAM	 FASTENING SCHEDULE BASED ON IBC T REQUIRED. WHEN SPECIFIED ELSEWHE FOR COMPLETE NAILING SCHEDULE. 			/00d ODEL LACE VD, WA
\mathbb{N}				al W REM ^{33RD PI} ISLAN
RWALL				ER CO ER
L: L ND SCHEDULE				Typ PIPE 8429 S MERC
				S9.0
FRAMING				

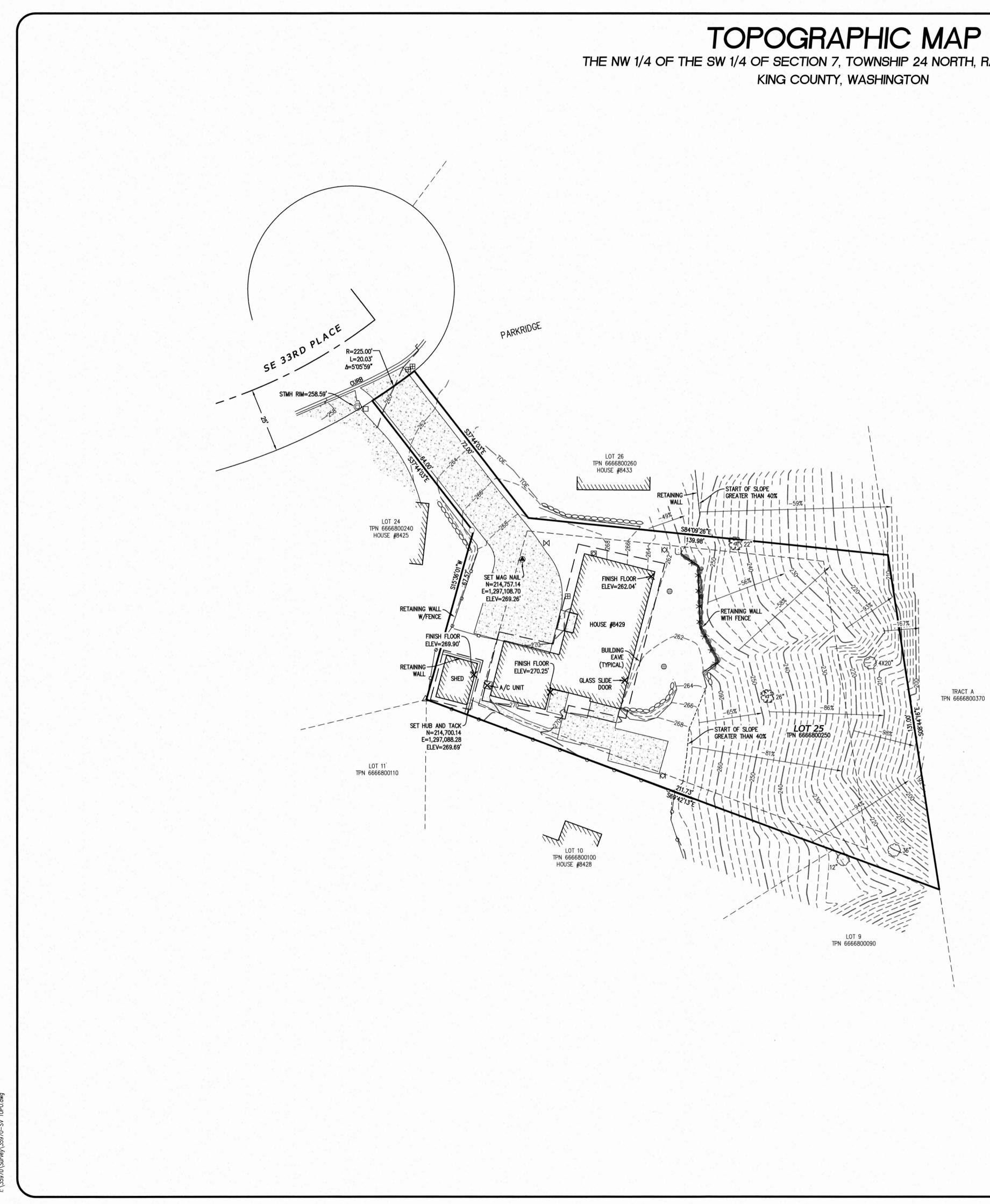




 2x8 FLAT VALLEY ATTACH TO TRUSSES W/(3) 10d PRE-FABRICATED ROOF TRUSS @ 24"OC (TYP.) 2x8 RIDGE BEAM (ATTACH TO 2x8 VALLEY MEMBERS W/(4) 8d TN) PROVIDE BLOCKED 2'x4' OPNG FOR ATTIC VENTILATION. ROOF SHEATHING TH NG. 24"OC @ EACH END SPAN < 6'-0" 	CT ENGINEERING BNGINEERING Inc. Inc. Inc. Structural Engineers Inc. 180 Nickerson Street Suite 302 Seattle, WA 98109 206.285.0618 (F) www.ctengineering.com www.ctengineering.com	
PAN > 6'-0").		
	REVISION DATE	
	JOB #: 21162 JOB #: 21162 ENG: Designer CAD: Author CAD: Author SCALE: As indicated KEY ISSUE DATES: SD: SD DD: DD CD: DD CD: CD PERMIT: 03.25.2022 OTHER: BD	
	Typical Wood Framing Details PIPER REMODEL 8429 SE 33RD PLACE MERCER ISLAND, WA 98040	
	S9.2	







THE NW 1/4 OF THE SW 1/4 OF SECTION 7, TOWNSHIP 24 NORTH, RANGE 5 EAST, W.M.

LEGAL DESCRIPTION

PER WARRANTY DEED, KING COUNTY RECORDING NO. LOT 25 OF PARKRIDGE, AS PER PLAT RECORDED IN SITUATE IN THE CITY OF MERCER ISLAND, COUNTY (

HORIZONTAL DATUM

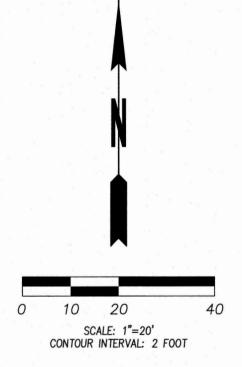
WASHINGTON STATE PLANE COORDINATE SYSTEM, NOR THE WASHINGTON STATE REFERENCE NETWORK.

VERTICAL DATUM

NAVD 88 BASED ON RTK GPS MEASUREMENTS CONST

SURVEY NOTES

- 1. DATA FOR THIS SURVEY WAS GATHERED BY FI ACCURACY REQUIREMENTS CONTAINED IN W.A.C BEEN MAINTAINED IN ACCORDANCE WITH MANU
- THIS MAP GRAPHICALLY REPRESENTS CONDITION PERFORMED DURING <u>DECEMBER OF 2021</u>.
- 3. THE CERTIFICATION OF THIS SURVEY AND MAP SPECIFICALLY DESIGNED TO MEET THEIR STATED FOR ANY ALTERNATIVE USE OF THIS MAP WITH
- 4. THE PURPOSE OF THIS SURVEY IS TO PROVIDE #6666800250 FOR PLANNING, DESIGN AND CO
- 5. UTILITIES OTHER THAN SHOWN MAY EXIST ON T SHOWN ARE IN THE EXACT LOCATION INDICATED CANNOT BE ACCURATELY, COMPLETELY, AND RE REQUIRED, THE CLIENT IS ADVISED THAT EXCA AS ACCURATELY AS POSSIBLE FROM FIELD SU
- 6. PARCEL AREA: 19,304 ± SQ.FT. (0.44 ACRES)
- 7. ALL DISTANCES AND DIMENSIONS SHOWN ARE
- 8. CONTOUR INTERVALS ARE 2-FOOT AND ARE SURVEY UTILIZING ELECTRONIC DATA COLLECTION
- 9. THE PROPERTY AND RIGHT-OF-WAY LINES SHO MONUMENTS, FROM WHICH WE CONDUCTED A M. RECORDED PLAT MAP. NO PROPERTY CORNERS
- 10. WE HAVE USED GRAPHIC SYMBOLS TO REPRESE DEFAULT SIZE OF THOSE SYMBOLS MAY NOT R



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		DATE	12/17/21	
		REVISION DESCRIPTION	NOILEN	
		DESCH	SLOPE INFORMATION	
		NON		
). 20200410000015 I VOLUME 78 OF PLATS, F	PAGES 29 AND 30, RECORDS OF KING COUNTY.	JEVIS	ADDED STEEP	
OF KING, STATE OF WASH				
ORTH ZONE (NAD 83/201	1) BASED ON RTK GPS MEASUREMENTS CONSTRAINED TO	REV NO	-	
strained to the Washin	GTON STATE REFERENCE NETWORK.			
				CCLING CCLING 4, Suite 200 98409-7479
FIELD TRAVERSE UTILIZING .C. 332.130.090. ALL MEA IUFACTURER'S SPECIFICATI	ELECTRONIC DATA COLLECTION, AND MEETS OR EXCEEDS SURING INSTRUMENTS EMPLOYED IN THIS SURVEY HAVE ONS.			ACCT ACCT ACCT ACCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT BCCT B
ons and features exis	TING AT THE TIME OF THIS SURVEY ONLY, WHICH WAS			2601 South 35th Street Tacoma, Washington 9 473-4494 FAX: (253)
ED NEED(S). THAT CERTIF	IAMED CLIENT WHO REQUESTED THIS SURVEY. IT WAS ICATION DOES NOT EXTEND TO ANY OTHER PARTIES OR IRTIFICATION BY THE SURVEYOR NAMING THOSE PARTIES.			th 35th Washir 94 FAX
	OF THE EXISTING CONDITIONS WITHIN KING COUNTY PARCEL			01 South acoma, 73-4494
ED. LACKING EXCAVATION RELIABLY DEPICTED. WHEN	R DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES , THE EXACT LOCATION OF UNDERGROUND FEATURES RE ADDITIONAL OR MORE DETAILED INFORMATION IS ARY. THE SURVEYOR DOES CERTIFY THAT THEY ARE SHOWN			2601 Tac (253) 473-
5) . U.S. SURVEY FEET GROU	ND MEASUREMENTS			
	ROM GROUND FIELD TOPOGRAPHY GATHERED FOR THIS			
MATHEMATICAL CALCULAT	O ON FIELD TIES TO SEVERAL OF THE ORIGINAL PLAT TION OF THE PARCEL BASED ON THE GEOMETRY OF THE			
RS WERE ESTABLISHED DU SENT SOME FEATURES ON REFLECT THE TRUE SIZE	THIS MAP, SUCH AS UTILITIES, TREES AND FENCES. THE OF THE FEATURE THAT WAS MAPPED.			
			≻	E.
			SURVE	PIPER 8040
	LEGEND		Ľ,	
TPN	TAX PARCEL NUMBER		0)	SUZETTE 33RD PLACE 0, WASHINGTON
о Д	FOUND REBAR & CAP, LS #38992		읒	
	FOUND SURVEY NAIL, LS #33135 SET MAG NAIL – AS NOTED		t L	SU SU SU
	SET HUB AND TACK - AS NOTED		TOPOGRAP	AN SE
	BOUNDARY LINE		G	VIN AND 8429 MERCER ISLA
	ADJOINER PROPERTY BOUNDARY RIGHT OF WAY LINE		Õ	
	ROAD CENTERLINE		Р	
	BUILDING SET BACK LINE		¥	KEVIN ANI 8428 MERCER ISL
S.	DECIDUOUS TREE (DIAMETER AS NOTED) MAPLE TREE (DIAMETER AS NOTED)			
Contraction of the second seco	PILING			
0	WOOD FENCE			
oo X X X Y	CHAIN LINK FENCE SPLIT RAIL FENCE			
	STORM MANHOLE			E
	STORM YARD DRAIN	Ш		IEN1
Φ	4" PVC STORM ROOF DRAIN TELEPHONE RISER	F		Ľ
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×	WATER VALVE	D	ATE SEALE	12/20/2021
⊞ Ø	WATER METER IRRIGATION CONTROL VALVE		A COMMISSION OF THE OWNER	
COOL	ROCKERY		AURT OF	WASH CHAR
	CONCRETE SURFACE GRAVEL SURFACE		LES PROVIDENT	9286 STERE
		Pf	ROJECT MAN	IAGER (AP
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		c		24 N R 5E
		FI	ENO 35970)
	SURVEYOR'S CERTIFICATE	D	ATE	2021

SURVEYOR'S CERTIFICATE I HEREBY CERTIFY THAT THIS MAP CORRECTLY REPRESENTS A TOPOGRAPHIC SURVEY MADE BY ME OR UNDER MY DIRECTION AND TO THE BEST OF MY KNOWLEDGE REPRESENTS THE TOPOGRAPHIC FEATURES AS THEY EXIST ON THE GROUND AS OF 12/3/2021. 12/20/2021 DATE KURT A! PARCHER P.L.S. NO. 49286

SHEET 1 OF 1 FILE NO 35970 CAPEX ENGINEERING LLC 2021

SCALE _1" = 20'