

LAKE HOUSE

MERCER ISLAND, WA

PROJECT DATA

PROJECT ADDRESS:
3310 97TH AVE SE
MERCER ISLAND, WA 98040

LEGAL DESCRIPTION:
CONSOLIDATED LOT PER M LOT CONSOLIDATION FOR NANESS REC # 20010416900004 SD CONSOLIDATION BEING W 100 FT OF E 921.44 FT OF GL 5.5 LESS 5 770 FT

KING COUNTY ASSESSOR'S PARCEL NUMBER:
072405-9038

PROJECT DESCRIPTION:
RENOVATE EXISTING HOME AND DETACHED ACCESSORY STRUCTURE. MAIN HOUSE IMPROVEMENTS INCLUDE: A COMPLETE RENOVATION TO THE UPPER LEVEL, THE ADDITION OF A NEW OUTDOOR SWIMMING POOL, IMPROVEMENTS TO THE SOUTH COURTYARD, AND MAIN HOUSE LOWER LEVEL INTERIOR RENOVATIONS. DETACHED ACCESSORY STRUCTURE TO INCLUDE THE REMOVAL OF THE UPPER LEVEL, AND REMOVAL OF A PORTION OF THE NORTHERN GROUND FLOOR LEVEL.

GENERAL INFORMATION

OWNER:
HEIDI ORR, TIMILUM TRUST
9226 SE 33RD PL, MERCER ISLAND, WA 98040
CONTACT: KEN BROOKS / NORTHBROOK CONSTRUCTION MANAGEMENT
PHONE: (206) 310-5801

ARCHITECT:
ROBERT EDSON SWAIN, INC.
2300 W COMMODORE WAY, STE 201
SEATTLE, WA 98199
PROJECT CONTACT: YE SUN
DIRECT LINE: 206-527-4116
YE@BOBOSWAIN.COM

STRUCTURAL ENGINEER:

IL GROSS STRUCTURAL ENGINEERS
23914 56TH AVENUE WEST
SUITE 200
MONTLAKE TERRACE, WA 98043-5263
(206) 623-0769
CONTACT: MARK SPEIDEL

CIVIL ENGINEER:

LFD ENGINEERING
1932 1ST AVE #201
SEATTLE, WA 98101
(206) 725-1211
CONTACT: LAURIE PFARR

GEOTECHNICAL ENGINEER:

TERRA ASSOCIATES INC
12225 113TH AVENUE, STE 130
KIRKLAND, WA 98034
(425) 821-7777
CONTACT: CAROLYN S. DECKER, P.E.

SURVEYOR

TERRANE
10801 MAIN STREET, SUITE 102
BELLEVUE, WA 98004
(425) 458-4488
CONTACT: KATHERINE RYG

CONSTRUCTION MANAGEMENT

NORTHBROOK CONSTRUCTION MANAGEMENT
13210 4TH AVE SE
NORTH BEND, WA 98045
PHONE: (206) 310-5801
CONTACT: KEN BROOKS

ARCHITECTURAL SYMBOLS

	BREAK MARK		WINDOW TAG
	FINISH TAG		DOOR TAG
	SECTION TAG		Ceiling Height Tag FINISH TAG
	DETAIL TAG		
	ELEVATION TAG		
	SPOT ELEVATION		
	NORTH ARROW		
	ASSEMBLY TAG		
	INTERIOR ELEVATION TAG - MULTIPLE		
	INTERIOR ELEVATION TAG - SINGLE		
	GRID LINE		
	SINGLE STEP		
	VENTILATION		
	SMOKE DETECTOR		
	CARBON MONOXIDE DETECTOR		
	SMOKE & CARBON MONOXIDE COMBINED DETECTOR		

CODE ANALYSIS

GENERAL:

1. JURISDICTION	CITY OF MERCER ISLAND
2. BUILDING CODE	2015
3. ZONING CLASSIFICATION	R-3.6
4. OCCUPANCY	R-3
5. CONSTRUCTION TYPE	TYPE VB
6. ACTIVE CODES:	2015 INTERNATIONAL RESIDENTIAL CODE 2015 INTERNATIONAL ENERGY CONSERVATION CODE 2015 INTERNATIONAL MECHANICAL CODE 2015 UNIFORM PLUMBING CODE 2020 WASHINGTON CITY ELECTRICAL CODE 2015 INTERNATIONAL FIRE CODE 2015 NATIONAL FUEL GAS CODE 2015 INTERNATIONAL RESIDENTIAL CODE

SETBACKS:

PER MICC 19.02.020 (C)	25'
MINIMUM FRONT YARD SETBACK:	20'
MINIMUM REAR YARD/SIDELINE SETBACK:	17'
MINIMUM SUM OF SIDE YARD SETBACK:	5.61'
MINIMUM SIDE YARD:	20'
PROPOSED FRONT YARD SETBACK:	25'
PROPOSED SHORELINE SETBACK:	25'
PROPOSED SIDE YARD SETBACK:	11' + 6"

BUILDING HEIGHT:

MICC 19.02.020(E)	
MAXIMUM BUILDING HEIGHT:	30'-0" FROM FROM ABE
MAXIMUM BUILDING HEIGHT ON DOWNHILL BUILDING FACADE:	30'-0"
MAXIMUM ACCESSORY BUILDING/STRUCTURE HEIGHT:	17'

PROPOSED BUILDING HEIGHT:

* SEE T2.01 FOR AVERAGE BUILDING ELEVATION DIAGRAM

BUILDING FLOOR AREA

HEATED FLOOR AREA	
MAIN BUILDING UPPER FLOOR	4,060 SF
MAIN BUILDING HEATED BASEMENT	2,886 SF
SUBTOTAL:	6,946 SF
UNHEATED FLOOR AREA	
MAIN BUILDING LOWER LEVEL BASEMENT	319 SF
DETACHED GARAGE GROUND FLOOR	715 SF
SUBTOTAL:	1,034 SF
TOTAL BUILDING FLOOR AREA:	6,946 SF + 1,034 SF = 7,980 SF

GROSS FLOOR AREA

MAXIMUM GROSS FLOOR AREA FOR R-3.6	8,000 SF
PER MICC 19.02.020(I)	
40% LOT AREA OR 8000 SF WHICHEVER IS LESS	
RESULT (27,543) = 11,017.2 > 8,000 SF	

PROPOSED GROSS FLOOR AREA

SEE SHEET T2.01 #2 FOR DETAILED INFORMATION

LOT SLOPE:

HIGHEST POINT ELEVATION	46.8'
LOWEST POINT ELEVATION	18.6'
DIFFERENCE:	28.2'
DISTANCE BETWEEN TWO POINTS	279'
LOT SLOPE = 28.2' / 279' = 10.8%	

LOT COVERAGE:

PER MICC 19.02.020(F)(3)(a)	
LOT AREA:	27,739 SF
MAXIMUM ALLOWABLE LOT COVERAGE PER MICC 19.02.020(F)(3)(a)	
40% (LOT AREA)	11,096 SF
40% (27,739) =	11,096 SF
PROPOSED LOT COVERAGE:	11,047 SF < 11,096 SF

PROPOSED LOT COVERAGE:

* SEE T2.02 #2 FOR LOT COVERAGE DIAGRAM AND CALCULATION

HARDSCAPE:

PER MICC 19.02.020(F)(3)(b)	
LOT AREA:	27,739 SF
MAXIMUM ALLOWABLE HARDSCAPE PER MICC 19.02.020(F)(3)(b)	
9% (LOT AREA)	2,497 SF
9% (27,739) =	2,497 SF
PROPOSED HARDSCAPE:	2,417 SF < 2,497 SF

PROPOSED HARDSCAPE:

* SEE T2.02 FOR LOT COVERAGE DIAGRAM AND CALCULATION

ENERGY CODE:

FROM TABLE F402.1.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT FOR PRESCRIPTIVE ENERGY CODE COMPLIANCE FOR CLIMATE ZONE MARINE 4	
FENESTRATION U-FACTOR:	.3
SKYLIGHT U-FACTOR:	.5
GLAZED FENESTRATION SHGC:	.49
CEILING R-VALUE:	NR
WOOD FRAME WALL R-VALUE:	21 INT
FLOOR R-VALUE:	15
BELOW GRADE WALL R-VALUE:	10/152 INT + TB
SLAB R-VALUE & DEPTH:	10, 2 FT
ENERGY CREDIT, PER 2015 WSEC TABLE 406.2.4.5 CREDIT 2b, 3c, 4, 5b	
ALL WORK SHALL CONFORM WITH THE 2015 WASHINGTON STATE ENERGY CODE, PLUMBING, MECHANICAL, ELECTRICAL WORK TO BE PERMITTED SEPARATED.	
SEE SHEET T1.02 FOR ENERGY AND VENTILATION CALCULATIONS AND NOTES.	
SEE SHEET T1.02 FOR ENERGY AND VENTILATION CALCULATIONS AND NOTES.	
SEE A9.01 & A9.02 WINDOW/DOOR SCHEDULES FOR APPLICATION OF U-VALUES.	

GENERAL NOTES

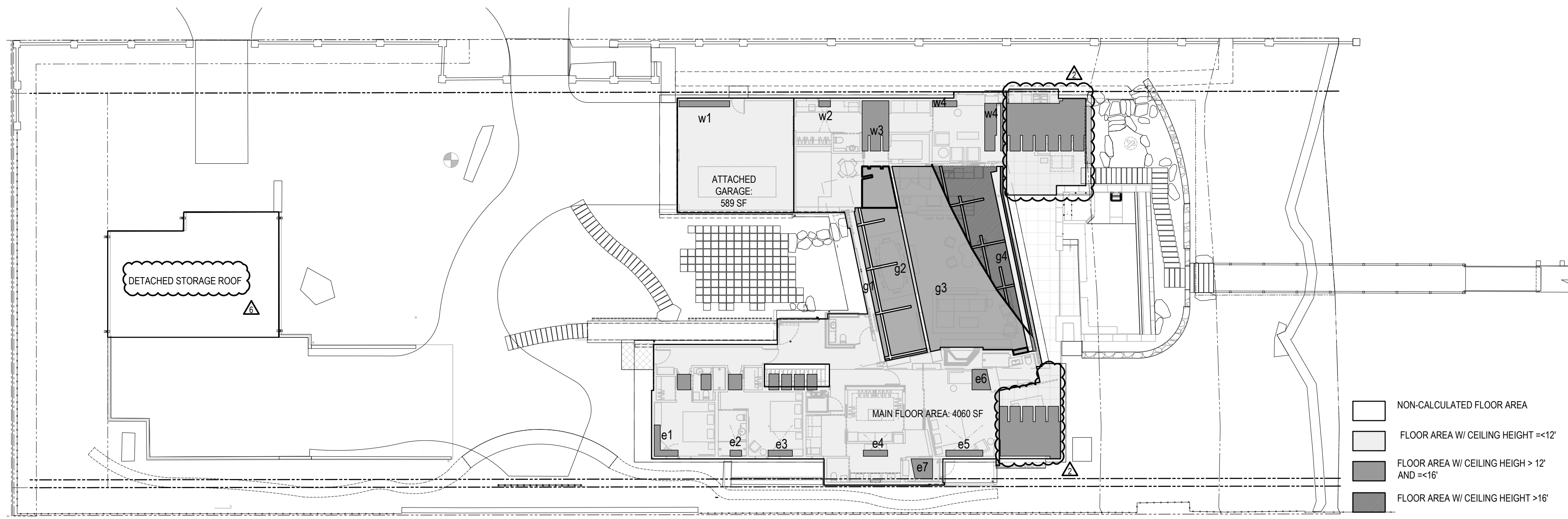
- CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND JOB CONDITIONS RELATED TO THIS WORK. ALL DIMENSIONS SHALL BE CONSIDERED "NOMINAL" UNLESS NOTED OTHERWISE (U.N.O.). DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. DIMENSIONS ON LARGE SCALE DRAWINGS OR DETAILS WILL PREVAIL OVER SMALLER SCALE DRAWINGS. WRITTEN DIMENSIONS ARE DRAWN TO FINISHED FACE, U.N.O. VERIFY ALL DIMENSIONS FOR EQUIPMENT. PROVIDE ALL BUCK OUTS, BLOCKING, AND JACKS AS REQUIRED BY THE DRAWINGS AND OTHER TRADES. ANY DISCREPANCY IN DIMENSIONS SHALL BE REPORTED IN WRITING TO THE ARCHITECT FOR CLARIFICATION, OR APPROVAL OF MODIFICATION BEFORE COMMENCING WORK. THE RESPONSIBILITY TO THE PROJECT OWNER/ARCHITECT. SHALL REST WITH THE CONTRACTOR OR ANY OTHER PERSON APPROVING SUCH A CHANGE.
- THE GENERAL CONTRACTOR, ALL SUB-CONTRACTORS AND ALL MAJOR SUPPLIERS SHALL SUBMIT TO THE OWNER WITHIN 30 DAYS AFTER COMPLETION ALL "RELEASE OF LIENS" FOR ALL WORK PERFORMED PRIOR TO FINAL PAYMENT. PARTIAL LIEN WAIVERS TO BE SUBMITTED WITH MONTHLY DRAW REQUEST.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL RESIDENTIAL CODE, UNIFORM PLUMBING CODE, AND NATIONAL ELECTRIC CODE AS ADOPTED AND MODIFIED BY THE CITY OF MERCER ISLAND AND ALL OTHER LAWS, CODES, ORDINANCES AND REGULATIONS OF THE COUNTY, STATE, AND FEDERAL JURISDICTIONS. (LATEST EDITION AND AMENDMENTS)
- ALL MANUFACTURERS AND/OR SUPPLIERS SHALL SUBMIT SHOP DRAWINGS AND/OR MATERIAL SAMPLES TO THE OWNER/ARCHITECT FOR APPROVAL PRIOR TO FABRICATIONS.
- ALL WOOD IN CONTACT WITH MASONRY OR CONCRETE OR EXPOSED TO WEATHER SHALL BE PRE-PRESSURE TREATED. WOOD SPECIFICATIONS TO CONFORM TO SPECIFICATIONS, STRUCTURAL PLANS, NOTES, AND GENERAL CONDITIONS.
- ALL COLORS AND PATTERNS OF FINISHES AND OTHER MATERIALS OF DESIGN SHALL BE APPROVED OR SELECTED BY THE OWNER/ARCHITECT.
- ALL OF THE GENERAL CONTRACTOR'S EQUIPMENT SCAFFOLDING HOISTS, ETC. SHALL BE AVAILABLE TO THE OWNER/ARCHITECT AND THEIR STAFF FOR INSPECTION OF ANY AND ALL WORK DURING NORMAL HOURS.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DELIVERABLES, POINTS, HOISTS LOCATIONS, ACCESS TO AND FROM THE SITE OF THE BUILDING AND UTILITY SERVICES.
- DO NOT INCLUDE NECESSARY AND REQUIRED PERMITS, LICENSES, FEES AND INSURANCE. EVIDENCE OF WHICH MUST BE SUBMITTED TO THE OWNER PRIOR TO CONSTRUCTION.
- PROVIDE AND INSTALL INSULATION AT EXTERIOR WALLS, ROOF & FLOOR LOCATIONS AS SHOWN, SPECIFIED AND IN ACCORDANCE WITH WASHINGTON STATE ENERGY CODE. WATER PIPES TO BE INSULATED IN ALL UNHEATED AREAS. INSULATE ALL ROUGH-IN PLUMBING IN WALLS, FLOORS, AND CEILINGS FOR SOUND TRANSMISSION AS APPROVED BY OWNER/ARCHITECT.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SUB-CONTRACTORS WORKING AT JOB SITE AND FOR ALL COORDINATION OF WORK. THE MECHANICAL, PLUMBING AND ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE ALL EQUIPMENT WITH OTHER TRADES. THESE CONTRACTORS SHALL BE RESPONSIBLE FOR FINAL HOOK-UP OF ALL EQUIPMENT NOT FURNISHED BY THEM BUT REQUIRED FOR FINAL COMPLETION.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SECURITY OF ALL MATERIALS AT JOB SITE UNTIL FINAL ACCEPTANCE OF WORK BY OWNER.
- PAINTING: SPECIFIC PER PROJECT UTM IDENTIFICATION SPECIFICATIONS OR APPROVED EQUIVALENT.
- ANY SUB-CONTRACTOR CUTTING INTO WORK ALREADY COMPLETED, CUTTING CHANGES AND TRENCHES FOR THE INTRODUCTION OF NEW WORK AND EQUIPMENT IN THE BUILDING SHALL PERFORM OR PAY FOR ALL BACK FILLING, REPAIRATION OF WALLS, FLOOR, AND ANY OTHER DAMAGES, BY SUCH A COMPANY. ALL REPAIRS SHALL MATCH EXISTING SURFACES.
- PAINTING AND SEALANTS SHALL BE GUARANTEED WATER-TIGHT. EXTERIOR METAL WORK, INCLUDING WINDOWS AND DOOR FRAMES AND ALL JUNCTIONS BETWEEN MASONRY, CONCRETE, AND METAL SHALL BE SEALED WITH NEOPRENE OR POLYURETHANE FILLER AND APPROVED SEALANT COMPOUNDS.
- INTERIOR FINISHES AND CABINETS: SEE FINISH SCHEDULES, INTERIOR DRAWINGS AND SPECIFICATIONS. INTERIOR FINISHES AND CABINETS TO BE SELECTED BY OWNER/ARCHITECT, FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.
- GYPSUM WALLBOARD: ALL INTERIOR GYPSUM WALLBOARD SHALL BE 5/8" AT WALLS, 5/8" AT CEILINGS. (U.N.O.) THICK X 48" WIDE BY HEIGHT REQUIRED. APPLIED VERTICALLY ON FLURRING STRIPS AT INTERIOR EXTERIOR MASONRY/CONCRETE WALLS AND AT CEILING AS INDICATED. ALL JOINTS SHALL BE TAPE, SPACKLED, AND FINISHED SMOOTH. ALL GYPSUM BOARD CONSTRUCTION SHALL BE FILLED WITH POLYURETHANE CAULK OR EQUIVALENT SEALANT INSTALLED WITH ALL SEAMS TO BE VERTICAL. ALL JOINTS ON EXPOSED SURFACES SHALL BE FLUSH, TIGHT, AND NEATLY CUT AND CLOSELY FIT AT OPENINGS FOR THE WORK OF OTHER TRADES AND AT INTERSECTIONS OF GYPSUM BOARD AND OTHER MATERIALS. CORNER BEADS SHALL BE USED AT ALL EXPOSED GYPSUM BOARD CORNERS AND ENDS. ALL BATHROOMS SHALL HAVE MOISTURE RESISTANT GYPSUM WALLBOARD. APPLY AS PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE GALVANIC INSULATION BETWEEN ALL DISSIMILAR METALS.
- ALL NEW CONSTRUCTION ADJACENT TO EXISTING CONSTRUCTION SHALL BLEND TO MEET THE EXISTING CONDITIONS, AND THERE SHALL NOT BE ANY ABRUPT CHANGES IN SURFACES OR UNFINISHED SURFACES.
- COMPACTION SPECIFICATION PER STRUCTURAL NOTES.
- SEE STRUCTURAL DRAWINGS FOR SIZES AND REINFORCING OF SLABS, FOUNDATION WALLS, FOOTINGS, RETAINING WALLS AND STRUCTURAL BEAMS.
- STRUCTURAL WOOD: QUALITY OF WOOD TO CONFORM WITH I.B.C. REQUIREMENTS AND STRUCTURAL DOCUMENTS. CONFIRM WOOD GRADE WITH ARCHITECTURAL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS. ANY DISCREPANCY IN GRADE SHALL BE RECORDED IN WRITING TO THE ARCHITECT FOR CLARIFICATION.
- CERAMIC TILE TO BE SELECTED BY OWNER/ARCHITECT, AND FURNISHED AND INSTALLED BY CONTRACTOR (SEE FINISH SCHEDULE AND INTERIOR ELEVATIONS).
- SPECIAL TIES: FINISH HARDWARE/PLUMBING FIXTURES AND BATHROOM ACCESSORIES TO BE SELECTED BY OWNER/ARCHITECT AND FURNISHED AND INSTALLED BY CONTRACTOR (SEE SCHEDULES AND INTERIOR ELEVATIONS).
- GENERAL CONTRACTOR TO VERIFY SIZE OF ALL DOOR AND WINDOW ROUGH OPENINGS AND EXACT DOOR SWING AS PER FLOOR PLAN AND CONTACT THE ARCHITECT IF ANY DISCREPANCIES ARE FOUND BEFORE ORDERING DOORS.
- NO SUBSTITUTIONS ARE ALLOWED FOR MATERIALS WHERE SPECIFIC MANUFACTURERS ARE INDICATED, UNLESS APPROVED BY THE OWNER/ARCHITECT. REQUESTS FOR SUBSTITUTIONS SHALL BE MADE IN WRITING PRIOR TO ORDERING MATERIALS OR COMMENCING WORK. SUCH REQUESTS SHALL INCLUDE THE DATE, SCOPE OF WORK, ANY ADDITIONAL COSTS TO THE OWNER, AND ANY ANTICIPATED DELAYS CAUSED BY SUCH CHANGES.
- NO EXTRA WORK OR CHANGES SHALL BE MADE UNLESS A WRITTEN CHANGE ORDER IS SUBMITTED AND SIGNED BY THE OWNER AND ARCHITECT. THE ORDER SHALL STATE THAT THE OWNER HAS AUTHORIZED THE EXTRA WORK OR CHANGES AND NO CLAIM FOR AN ADDITIONAL SUM SHALL BE VALID UNLESS SO OFFERED AS DESCRIBED ABOVE.
- UNLESS OTHERWISE NOTED, PROVIDE ALL MISCELLANEOUS FASTENERS, HARDWARE AND ACCESSORIES AS REQUIRED FOR COMPLETE INSTALLATION. EVEN THOUGH SUCH ITEMS MAY NOT HAVE BEEN SPECIFICALLY MENTIONED IN THE DRAWINGS AND SPECIFICATIONS, NOTIFY THE ARCHITECT OF ANY REVISIONS OR ADDITIONAL INFORMATION OBTAINED FROM THE MANUFACTURER

OF SPECIFIED MATERIALS OR EQUIPMENT THAT MAY AFFECT THE CONTRACT TIME, COST, OR QUALITY OF WORK.

- CLEANING: DURING CONSTRUCTION, GENERAL CONTRACTOR TO OVERSEE CLEANING AND ENSURE THAT BUILDING GROUNDS ARE MAINTAINED FREE FROM ACCUMULATIONS OF WASTE MATERIALS AND RUBBISH. REMOVE WASTE MATERIALS, RUBBISH AND DEBRIS DAILY FROM THE SITE AND LEGALLY DISPOSE OF AT PUBLIC OR PRIVATE DUMPING AREAS OFF THE JOB SITE. SPECIAL CLEANING: BESIDES GENERAL BROOM CLEANING, PERFORM THE FOLLOWING SPECIAL CLEANING AT THE COMPLETION OF WORK FOR ALL TRADES USING ONLY CLEANING MATERIAL RECOMMENDED BY MANUFACTURER OF SURFACE TO BE CLEANED AND ONLY ON SURFACES RECOMMENDED BY CLEANING MATERIAL MANUFACTURER: REMOVE PUTTY STAINS AND PAINT FROM ALL GLASS. CARE SHALL BE TAKEN NOT TO SCRATCH GLASS. REMOVE ALL MARKS, STAINS, FINGERPRINTS, AND OTHER SOIL AND/OR DIRT FROM ALL PAINTED, DECORATED AND STAINED WORK. CLEAN AND POLISH ALL HARDWARE AND FIXTURES FOR ALL TRADES UPON COMPLETION, INCLUDING REMOVAL OF ALL STAINS, DUST, ETC.
- ALL WORKMANSHIP AND MATERIALS SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF CERTIFICATE OF OCCUPANCY UNLESS SPECIFIED FOR A LONGER PERIOD OF TIME ON SPECIFIED ITEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING OR REPAIRING HIS OWN DEFECTIVE WORK AS WELL AS PAY ALL COSTS INCIDENTAL THERETO INCLUDING DAMAGE TO OTHER WORK, FURNISHINGS OR EQUIPMENT. ALL WARRANTIES OR GUARANTEES AS TO MATERIALS OR WORKMANSHIP ON OR WITH RESPECT TO THE OWNERS WORK SHALL BE CONTAINED IN THE CONTRACT OR SUBCONTRACT, WHICH SHALL BE SO WRITTEN THAT SUCH GUARANTEE OR WARRANTIES SHALL INSURE TO THE BENEFIT OF OWNER.
- INSURANCE: PRIOR TO THE COMMENCEMENT OF WORK THE GENERAL CONTRACTOR SHALL DELIVER TO THE OWNER CERTIFICATES OF INSURANCE FOR BOTH COMPREHENSIVE GENERAL LIABILITY AND WORKMAN'S COMPENSATION INCLUDING THE TOTAL AMOUNT OF COVERAGE AND CONDITIONS STIPULATED AND AGREED BY BOTH PARTIES.
- THE OWNER SHALL BE RESPONSIBLE FOR PAYING THE BUILDING PERMIT FEE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OTHER PERMITS REQUIRED OR NECESSARY FOR THE COMPLETION OF THE WORK FROM THE RESPECTIVE AGENCIES. THE CONTRACTOR SHALL NOTIFY THE GOVERNING AGENCIES AS REQUIRED FOR INSPECTION OF THE WORK TO BE INSTALLED.
- ALL MATERIALS AND EQUIPMENT INCORPORATED IN THE CONSTRUCTION SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
- ALL PRODUCTS SHOWN OR SPECIFIED IN THIS DOCUMENT SHALL BE SUBMITTED TO THE ARCHITECT AND THE OWNER FOR APPROVAL. THE CONTRACTOR SHALL PROVIDE FULL SIZE SAMPLES OF ALL FINISHES TO THE ARCHITECT AND OWNER FOR APPROVAL, BEFORE INSTALLATION.
- ALL TRADES SHALL REFER TO THE ARCHITECTURAL DRAWINGS REGARDING LOCATIONS OF WORK TO BE INSTALLED.
- SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE TO ALL APPLICABLE CODES. SMOKE ALARMS AND CARBON MONOXIDE ALARMS ARE REQUIRED AND MUST BE CONNECTED TO THE MAIN ELECTRICAL SYSTEM WITH BATTERY BACKUP
- SECURITY REQUIREMENTS: MINIMUM 1/2" THROW ON DEAD BOLT OR DEAD LATCH FOR DOORS. VISITOR OBSERVATION PORT FOR EXTERIOR DOORS.
- INSTALL DRAFT STOPS IN FLOOR-CEILING ASSEMBLIES SO THAT CONCEALED SPACE DOES NOT EXCEED 1,000 SQ FT. FIRE BLOCKS PER R302.11
- SOURCE SPECIFIC VENTILATION SHALL BE REQUIRED IN BATHROOM, THE MINIMUM SOURCE SPECIFIC VENTILATION EFFECTIVE EXHAUST CAPACITY SHALL BE NOT LESS THAN THE CURRENT CODE REQUIREMENTS.
- NO SEDIMENT SHALL BE TRACKED ON PAVED STREETS OR ROADWAYS. SEDIMENT SHALL BE REMOVED FROM TRUCKS & EQUIPMENT PRIOR TO LEAVING THE CONSTRUCTION SITE. IN THE EVENT OF FAILURE OF THE TESS SYSTEM RESULTING IN SEDIMENT TRACKING ONTO PAVEMENT, THE CONTRACTOR SHALL IMPLEMENT MEASURES IMMEDIATELY TO CORRECT THE SITUATION. THESE MEASURES MAY NOT INCLUDE WASHING THE SEDIMENT INTO STORM DRAINS OR OTHER UTILITY INLETS.
- ALL EXPOSED EARTH WILL BE LANDSCAPED WITH SUITABLE VEGETATION TO PREVENT EROSION.
- ALL FINAL SURFACE GRADING SHALL BE COMPLETED TO FACILITATE POSITIVE DRAINAGE AWAY FROM THE BUILDING UNLESS NOTED OTHERWISE.
- GLAZING LOCATED WITHIN 24" ADJACENT TO A DOOR MUST BE APPROVED EAST TO WEST. GLAZING SHALL BE FILLED WITH POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ALL CONTROL JOINTS, ISOLATION JOINTS, CONSTRUCTION JOINTS, AND ANY OTHER JOINTS IN CONCRETE SLABS OR BETWEEN SLABS AND FOUNDATION WALLS SHALL BE SEALED WITH A CAULK OR SEALANT. GAPS AND JOINTS SHALL BE CLEARED OF LOOSE MATERIAL AND FILLED WITH POLYURETHANE CAULK OR OTHER ELASTOMERIC SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- OPENINGS AROUND BATHTUBS, SHOWERS, WATER CLOSETS, PIPES, WIRES OR OTHER OBJECTS THAT PENETRATE CONCRETE SLABS, OR OTHER FLOOR ASSEMBLIES, SHALL BE FILLED WITH A POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- OPENINGS AROUND ALL PENETRATIONS THROUGH FLOORS ABOVE DRAWI SPACES SHALL BE FILLED WITH POLYURETHANE CAULK OR EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- ACCESS DOORS AND OTHER OPENINGS OR PENETRATIONS BETWEEN BASEMENTS AND ADJOINING CRAWL SPACES SHALL BE CLOSED, GASKETED OR OTHERWISE FILLED TO PREVENT AIR LEAKAGE.

ABBREVIATIONS

AC	AIR CONDITIONING	GYB	GYPSUM BOARD	VEST	VESTIBULE
ACC	ACCESSIBLE	H	HIGH	VF	VERIFY IN FIELD
ACST	ACOUSTICAL CEILING PANEL	HB	HOSE BIBB	VN	VENUEE
AD	AREA DRAIN	HCW	HOLLOW CORE WOOD	VR	VAPOR RETARDER
ADOM	ADJENDUM	HD	HAND DRYER	VW	VIDEO WALL
ADJ	ADJUSTABLE	HOB	HARDBOARD	W	WEST WIDE, WATT
AFF	ABOVE FINISHED FLOOR	HDW	HARDWARE	W/	WITH
AFG	ABOVE FINISHED GRADE	HDWD	HARDWOOD	W/O	WITHOUT
AHU	AIR HANDLING UNIT	HORIZ	HORIZONTAL	WC	WATER CLOSET
ALT	ALTERNATE	HP	HIGHEST POINT	WD	WOOD
ALUM	ALUMINUM	HT	HEIGHT	WH	WALL HYDRANT
ANOD	ANODIZED	HVAC	HEATING VENTILATING AND	WP	WEATHERPROOF
AOR	ARCHITECT OF RECORD	ID	INSIDE DIAMETER	WR	WATER RESISTANT
APPROX	APPROXIMATE	INCL	INCLUDE INCLUDING	WT	WATERPROOFING
ARCH	ARCHITECT ARCHITECTURAL	INSUL	INSULATE INSULATION	WV	WORK POINT
AUTO	AUTOMATIC	INT	INTERIOR	XMR	TRANSFORMER
AV	AUDIO VISUAL	INFO	INFORMATION		
BB	BULLETIN BOARD	INSL	INSULATE INSULATION		
BD	BOARD	INT	INTERIOR		
BLDG	BUILDING	IWD	INDIRECT WASTE DRAIN		
BLKG	BLOCKING	IT	JOINT		
BLW	BELOW	L	LONG		
BO	BOTTOM OF	LAM	LAMINATE LAMINATED		
BOH	BACK OF HOUSE	LAV	LAVATORY		
BOT	BOTTOM	LL	LUMINOUS CEILING PANEL		
BRG	BEARING	LAND	LAND ORD		
BRZ	Bronze	LP	LOWEST POINT		
BSEMT	BASEMENT	LT	LIGHTING		
CB	CATCH BASIN	LTG	LIGHTING		
CEM	CEMENT, CEMENTITIOUS	MAS	MASONRY		
CG	CORNER GUARD	MATL	MATERIAL		
CJ	CENTRAL JOINT	MAX	MAXIMUM		
CL	CAST-IN-PLACE	MECH	MECHANICAL		
CL	CENTERLINE	MED	MEDIUM		
CLG	CEILING	MEM	MEMBRANE		
CLO	CLOSET	MEZZ	MEZZANINE		
CLR	CLEAR	MFR	MANUFACTURE		
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM MINUTE		
CONC	CONCRETE	MTD	MOUNTED		
CONN	CONNECTION, CONNECT	MTL	METAL		
CONSTR	CONSTRUCTION	MVB	MOVABLE		
CONT	CONTINUOUS, CONTINUE	N	NORTH		
CORR	CORRIDOR	NIC	NOT IN CONTACT		
CPT	CARPET	NO	NUMBER		
CSWK	CASEWORK	NOM	NOMINAL		
CEN	CENTER	NTS	NOT TO SCALE		
CJ	CENTRAL JOINT	O	OWNER		
CUB	CUBIC	OC	ON CENTER		
DBP	DEEP DEPTH	OCC	OCCUPANT OCCUPANTS		
DAB	DETACHED ACCESSORY BUILDING	OP	OVERHEAD		
DBL	DOUBLE	OD	OUTSIDE DIAMETER		
DEM	DEMOLISH, DEMOLITION	OPNG	OPENING		
DET	DETAIL	OPP	OPPOSITE		
DIA	DIAMETER	ORD	OVERFLOW ROOF DRAIN		
DIA	DIAGONAL DIAGRAM	ORN	OPEN TO STRUCTURE ABOVE		
DIM	DIMENSION	PRCST	PRECAST		
DIV	DIVIDE, DIVISION	PERP	PERPENDICULAR		
DMPP	DAMP PROOF	PLA	PLASTIC LAMINATE		
DN	DOWN	PLN	PLYWOOD		
DR	DOOR, DRESSING ROOM	PLYWD	PLYWOOD		
DS	DOWNSPOUT	PNL	PANEL		
DW	DISHWASHER	PL	PROPERTY LINE		
DWG	DRAWING	PROP	PROPERTY		
DWR	DRAWER	PT	PRESSURE TREATED		
DR	DRAIN	PTD	PAPER TOWEL DISPENSER		
E	EXPANSION JOINT	PTW	PAPER TOWEL DISPENSER		
ELEV	ELEVATION	RFN	WASTE RECEPTACLE		
ELEC	ELECTRIC, ELECTRICAL	RT	REINFORCED, REINFORCING		
ENCL	ENCLOSE, ENCLOSURE	R	RADIUS, RISER		
EOR	ENGINEER OF RECORD	RCP	REFLECTED CEILING PLAN		
EQ	ELECTRIC EQUIPMENT	RD	ROOF DRAIN, ROAD		
EQIP	EQUIPMENT	REF	REFER TO REFERENCE, REFRIGERATOR		
EX	EXISTING	REV	REINFORCED, REINFORCING		
EXH	EXHAUST	REV	REVISED, REVISION		
EXP	EXPANSION, EXPOSED	RFG	ROOFING		
EXIST	EXISTING	RHT	RIGHT		
EQ	ELECTRIC EQUIPMENT	RJ	ROUGH OPENING		
FA	FIRE ALARM	RS	REMOTE STOCK		
FCID	FURNISHED BY CONTRACTOR	RT	RIGHT		
FD	FLOOR DRAIN	RTH	ROUGH OPENING		
FDC	FIRE DEPARTMENT SC	SCU	SCUPPER		
FE	FIRE EXTINGUISHER	SD	SEAT COVER DISPENSER		
FEC	FIRE EXTINGUISHER CABINET	SCHD	SCHEDULED		
FIN	FINISH, FINISHED	SEC	SEAT COVER DISPENSER		
FH	FIRE HYDRANT	SECT	SECTION		
FHC	FIRE HOSE CABINET	SFH	SQUARE FOOT, SQUARE FEET		
FIN	FINISH, FINISHED	SGL	SINGLE		
FLR	FLOOR, FLOORING	SHTG	SHEATHING		
FLOOR	FLORESCENT	SM	SIMILAR		
FO	FACE OF	SPEC			



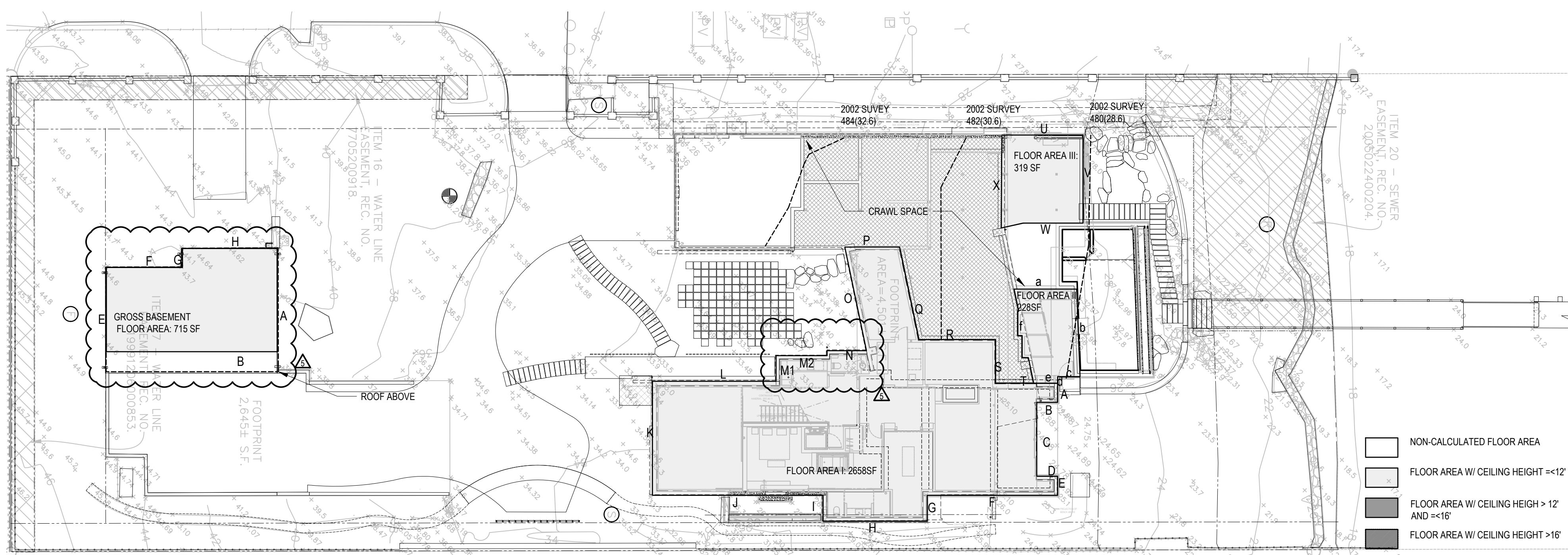
3 MAIN LEVEL GROSS FLOOR AREA CALCULATION - ACCESSORY BLDG AND MAIN BLDG
1/16" = 1'-0"

MAIN FLOOR HEIGHT MODIFIER SPREADSHEET

NAME	ZONE	AREA (SF)	REMARK
150% GFA MODIFIER	w1	14	VAULTED CEILING
	w2	3	LIGHT SCOOP
	w3	57	VAULTED CEILING
	w4	36	VAULTED CEILING
WEST WING SUBTOTAL			109
150% GFA MODIFIER	g1	315	VAULTED CEILING
	g2		
	g3	583	VAULTED CEILING
GREAT ROOM SUBTOTAL			898
150% GFA MODIFIER	e1	13	VAULTED CEILING
	e2	3	LIGHT SCOOP
	e3	7	LIGHT SCOOP
	e4	7	LIGHT SCOOP
	e5	10	LIGHT SCOOP
	e6	15	LIGHT SCOOP
	e7	17	LIGHT SCOOP
EAST WING SUBTOTAL			72
150% GFA MODIFIER	i1	9	SKYLIGHT
	i2	7	SKYLIGHT
	i3	9	SKYLIGHT
	i4	7	SKYLIGHT
	i5	7	SKYLIGHT
	i6	7	SKYLIGHT
	i7	7	SKYLIGHT
SKYLIGHT SUBTOTAL			53
150% GFA MODIFIER	D1	162	VAULTED CEILING
	D2	128	VAULTED CEILING
TERRACE SUBTOTAL			290
TOTAL 150% GFA MODIFIER			1,422
200% GFA MODIFIER	g4	233	VAULTED CEILING
	TOTAL 200% GFA MODIFIER		

GROSS FLOOR AREA CALCULATION SUMMARY

NAME	PROPOSED AREA(SF)	REMARK
MAIN FLOOR	4,060	WITHOUT STAIR WELL
GROSS BASEMENT AREA	3,205	WITH STAIR WELL
GARAGE/CARPORT	589	ATTACHED GARAGE
SUBTOTAL FLOOR AREA		7,854
ACCESSORY BUILDING	715	STORAGE SPACE
2ND&3RD STORY ROOFED DECK	564	
BASEMENT AREA EXCLUDED(MAIN)	1,660	
BASEMENT AREA EXCLUDED(ACCESSORY)	419	
150% GFA MODIFIER(MAIN)	1,422	
200% GFA MODIFIER(MAIN)	223	
150%&200% GFA MODIFIER (ACCESSORY)	-	
STAIRCASE GFA MODIFIER	-	
MAIN BUILDING GFA		7,692
ACCESSORY BUILDING GFA		296
TOTAL GFA		7,988.00 <8,000 MAX. ALLOWED



2 BASEMENT GROSS FLOOR AREA CALCULATION - ACCESSORY BLDG AND MAIN BLDG
1/16" = 1'-0"

MAIN BUILDING BASEMENT EXEMPTION CALCULATIONS

WALL HEIGHT	9.63 (west side)			8.1 (west side)			
SEGMENT	LENGTH (FT)	COVERAGE	LENGTH X COVERAGE (FT)	SEGMENT	LENGTH (FT)	COVERAGE	
A	4	0%	0.0	A	4	0%	0.0
B	4.3	0%	0.0	B	4.3	0%	0.0
C	15.3	0%	0.0	C	15.3	0%	0.0
D	4.3	0%	0.0	D	4.3	0%	0.0
E	4	0%	0.0	E	4	0%	0.0
F	27.2	11%	2.9	F	27.2	11%	2.9
G	5.5	19%	1.0	G	5.5	19%	1.0
H	21.9	33%	7.2	H	21.9	33%	7.2
I	5.4	42%	2.3	I	5.4	42%	2.3
J	35.8	66%	23.7	J	35.8	66%	23.7
K	24	100%	24.0	K	24	100%	24.0
L	28.8	89%	25.5	L	28.8	89%	25.5
M1-M2	16	89%	14.2	M1-M2	16	89%	14.2
N	9.3	89%	8.2	N	9.3	89%	8.2
O	22	99%	21.8	O	22	99%	21.8
P	11.4	87%	10.0	P	11.4	87%	10.0
Q	19.8	59%	11.7	Q	19.8	59%	11.7
R	15.8	55%	8.7	R	15.8	55%	8.7
S	9	50%	4.5	S	9	50%	4.5
T	13	44%	5.8	T	13	44%	5.8
SUM=			296.8	SUM=			169.0
BASEMENT AREA=			2658 SF	BASEMENT AREA=			1660 SF
EXCLUDED AREA=			2658X(169/296.8)=	EXCLUDED AREA=			1513 SF

SEGMENT	LENGTH(FT)	COVERAGE	LENGTH X COVERAGE (FT)
a	13.8	37%	5.1
b	18.25	31%	5.7
c	4.7	0%	0.0
d	1.45	0%	0.0
e	5	0%	0.0
f	22	45%	10.0
SUM=		65.2	20.8
BASEMENT AREA=		227.8 SF	
EXCLUDED AREA=		236.6X(22.7/65.2)=	73 SF

SEGMENT	LENGTH(FT)	COVERAGE	LENGTH X COVERAGE (FT)
U	17	2%	0.4
V	18.4	19%	3.4
W	18.5	31%	5.7
X	18.4	40%	7.3
SUM=		72.3	16.8
BASEMENT AREA=		319 SF	
EXCLUDED AREA=		315.6X(16.8/70.8)=	74 SF

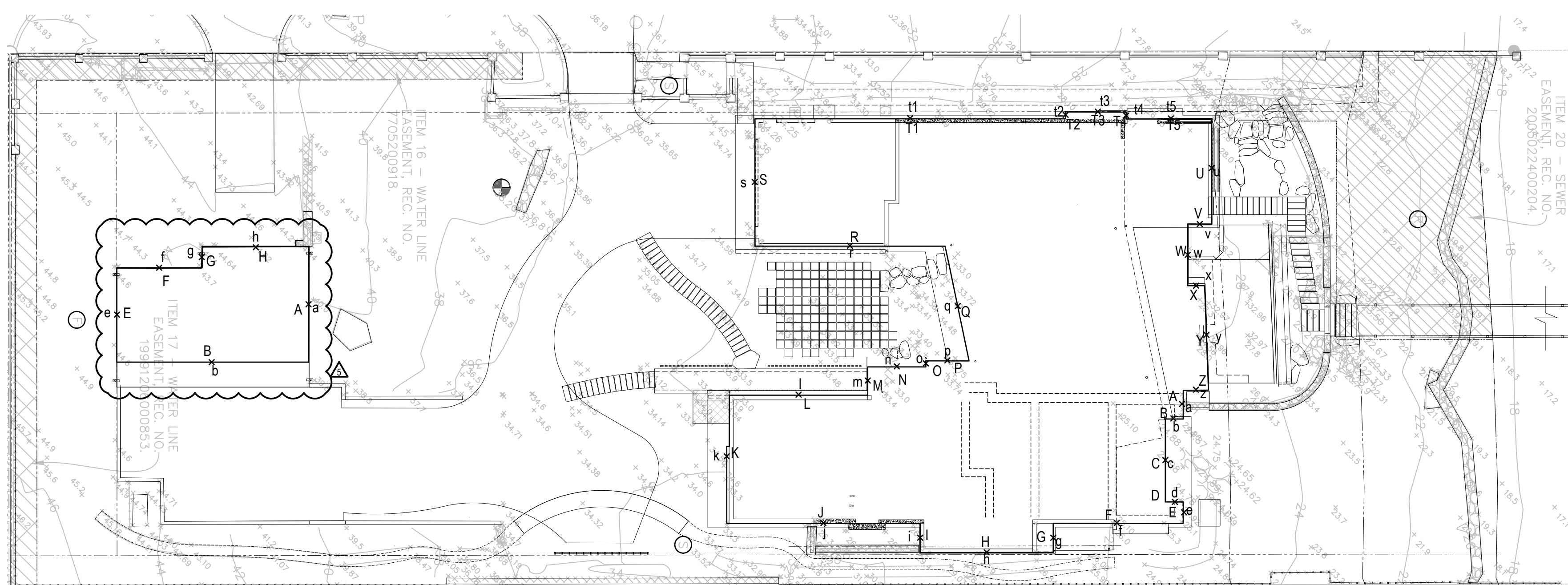
TOTAL BASEMENT FLOOR AREA= 3205
TOTAL EXCLUDED AREA= 1660
BASEMENT GFA= 1545

NOTES:
CRAWL SPACE GRADE REFERS TO 2002 PRE-DEVELOPMENT SURVEY. PER DSG POLICY MEMORANDUM ADMINISTRATIVE INTERPRETATION #0012-004
THE 2002 SURVEY IS ATTACHED IN THE PLAN SET. SEE SHEET INDEX

ACCESSORY BLDG BASEMENT EXEMPTION CALCULATIONS

WALL HEIGHT	10'		
SEGMENT	LENGTH(FT)	COVERAGE	LENGTH X COVERAGE (FT)
A	21.7	53%	11.5
B	35.9	0%	0.0
C	-	-	-
D	-	-	-
E	17.7	99%	17.5
F	15.9	95%	15.1
G	3.9	93%	3.6
H	19.9	99%	19.7
SUM=		115.00	67.5
BASEMENT AREA=		715 SF	
EXCLUDED Basement Floor Area=		1738X(140.2/175.4)=	419.4 SF

TOTAL BASEMENT FLOOR AREA= 715
TOTAL EXCLUDED AREA= 419
BASEMENT GFA= 296



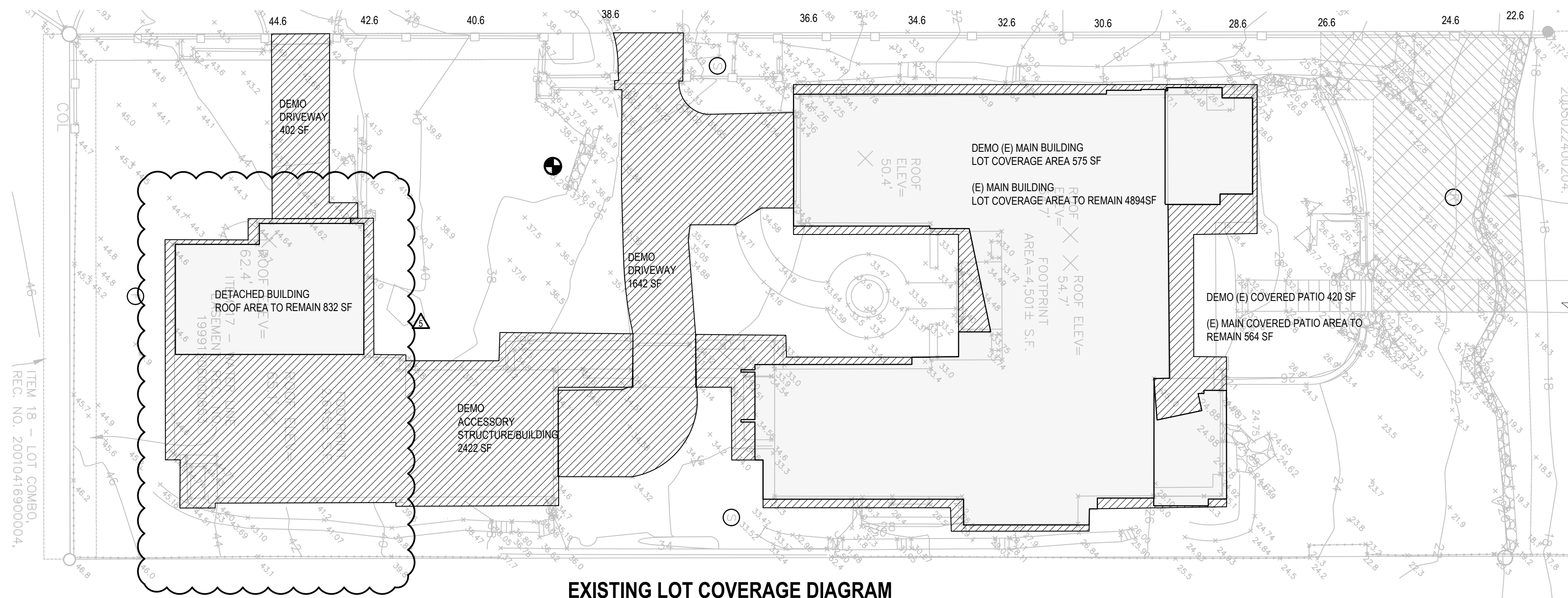
1 AVERAGE BUILDING ELEVATION - ACCESSORY BLDG AND MAIN BLDG
1/16" = 1'-0"

MAIN BUILDING ABE CALCULATIONS

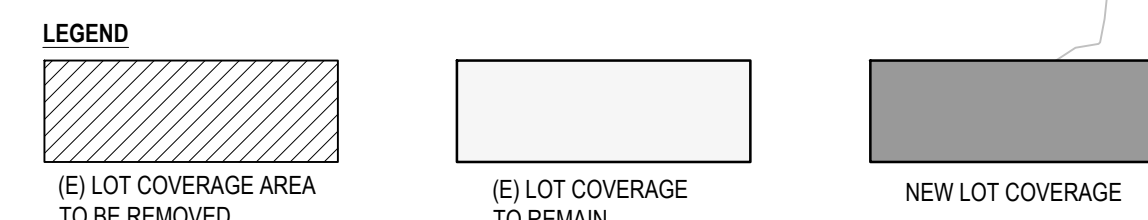
WALL SEGMENT	SEGMENT LENGTH	MIDPOINT	ELEVATION	LENGTH X ELEVATION
A	5.4	a	27.0	145.8
B	3.3	b	24.9	82.1
C	15.6	c	25.0	389.7
D	3.4	d	24.8	84.3
E	4.0	e	24.9	99.7
F	24.4	f	25.5	622.2
G	5.5	g	26.5	145.8
H	24.9	h	27.8	692.2
I	5.5	i	26.2	144.1
J	36.3	j	24.3	883.7
K	24.1	k	34.6	833.9
L	25.9	l	33.5	867.7
M	5.3	m	33.5	177.6
N	10.8	n	33.7	364.0
O	1.2	o	33.7	40.4
P	8.1	p	33.8	273.8
Q	21.9	q	34.5	755.6
R	35.6	r	33.5	1192.6
S	23.9	s	34.4	822.2
T	58.3	t1	31.5	1834.9
T2	1.3	t2	28.0	36.4
T3	11.5	t3	27.5	316.3
T4	1.3	t4	27.1	35.2
T5	16.0	t5	26.7	427.2
U	19.7	u	28.0	551.6
V	4.5	v	34.5	155.3
W	11.5	w	28.4	326.6
X	3.1	x	28.4	88.0
Y	19.6	y	28.0	548.8
Z	4.7	z	27.5	129.3
SUM=		436.6	-	13137.5
ABE=		30.1	-	

ACCESSORY BLDG ABE CALCULATIONS

WALL SEGMENT	SEGMENT LENGTH	MIDPOINT	ELEVATION	LENGTH X ELEVATION
A	21.7	a	40	868
B	35.9	b	34.7	1245.73
C	-	c	-	-
D	-	d	-	-
E	17.7	e	44.6	789.42
F	15.9	f	44.2	702.78
G	3.9	g	44	171.6
H	19.9	h	44.6	887.54
SUM=		115.0	-	4665.1
ABE=		40.6	-	



EXISTING LOT COVERAGE DIAGRAM

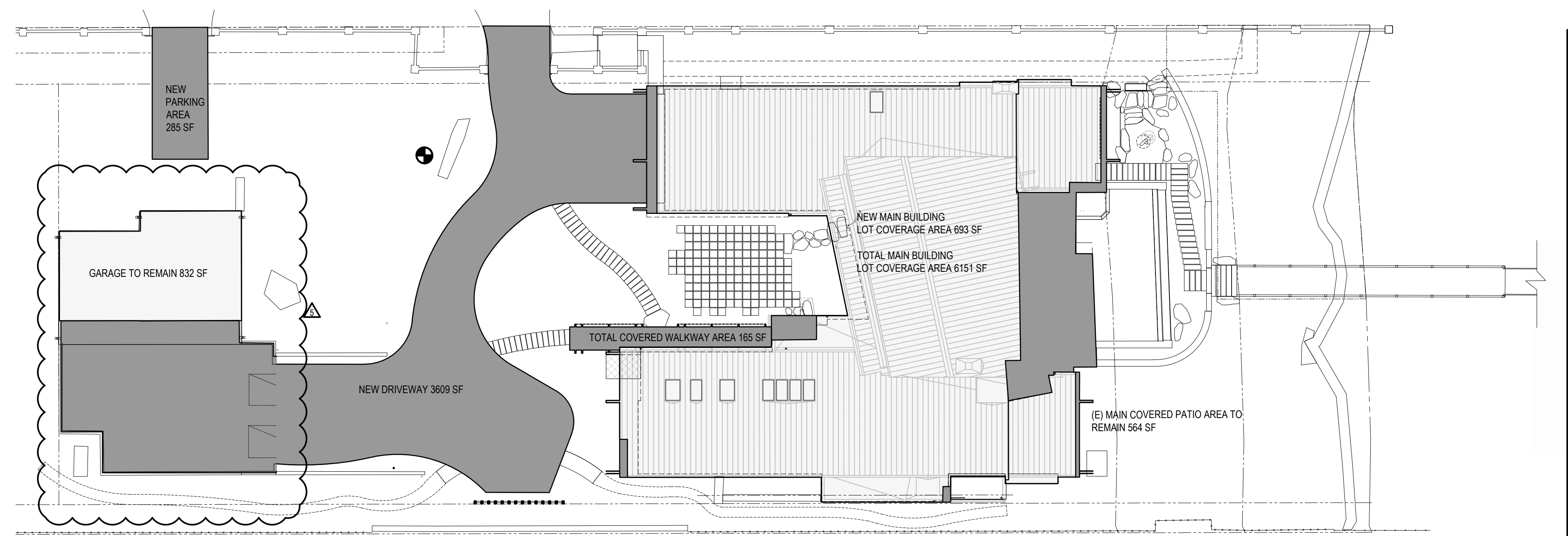


A. GROSS LOT AREA : 27739 SF
B. NET LOT AREA : 27739 SF
C. ALLOWED LOT COVERAGE AREA : 40% OF LOT
D. ALLOWED LOT COVERAGE AREA : 11096 SF
E. TOTAL (E) LOT COVERAGE AREA : 11751 SF
(42.4% OF LOT)

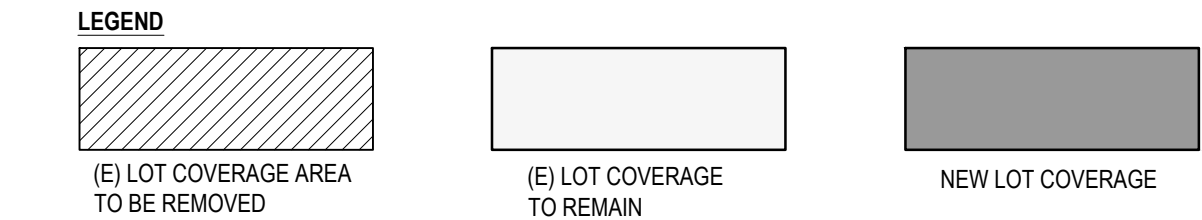
1. MAIN STRUCTURE ROOF AREA: 5469 SF
2. ACCESSORY BUILDING ROOF AREA: 3254 SF
3. VEHICULAR USE: 2044 SF
4. COVERED PATIO & COVERED DECKS: 984 SF

F. TOTAL LOT COVERAGE AREA REMOVED : 5461 SF

1. MAIN STRUCTURE ROOF AREA: 575 SF
2. ACCESSORY BUILDING ROOF AREA: 2422 SF
3. VEHICULAR USE: 2044 SF
4. COVERED PATIO & COVERED DECKS: 420 SF



NEW LOT COVERAGE DIAGRAM

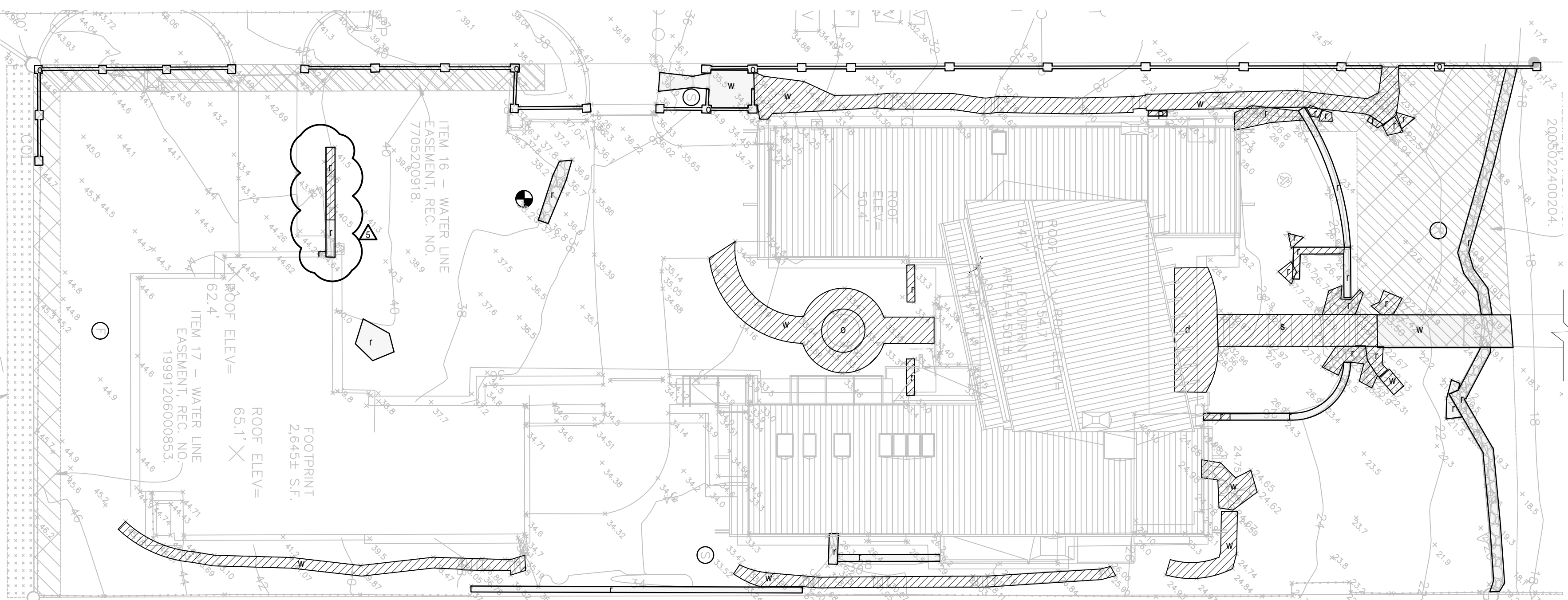


G. PROPOSED ADJUSTMENT FOR SINGLE STORY (AREA): 0 SF
H. PROPOSED ADJUSTMENT FOR PLAS LOT: 0 SF
I. TOTAL NEW LOT COVERAGE AREA: 4757 SF

1. MAIN STRUCTURE ROOF AREA: 693 SF
2. ACCESSORY BUILDING ROOF AREA: 165 SF
3. VEHICULAR USE: 3899 SF
4. COVERED PATIO & COVERED DECKS: 0 SF

J. TOTAL PROJECT LOT COVERAGE AREA: 11047 SF < 11096 SF, MAX ALLOWED LOT COVERAGE AREA
K. PROPOSED LOT COVERAGE AREA: 39.8% OF LOT

2 LOT COVERAGE CALCULATION AND DIAGRAM
 1/16" = 1'-0"



EXISTING HARDSCAPE DIAGRAM

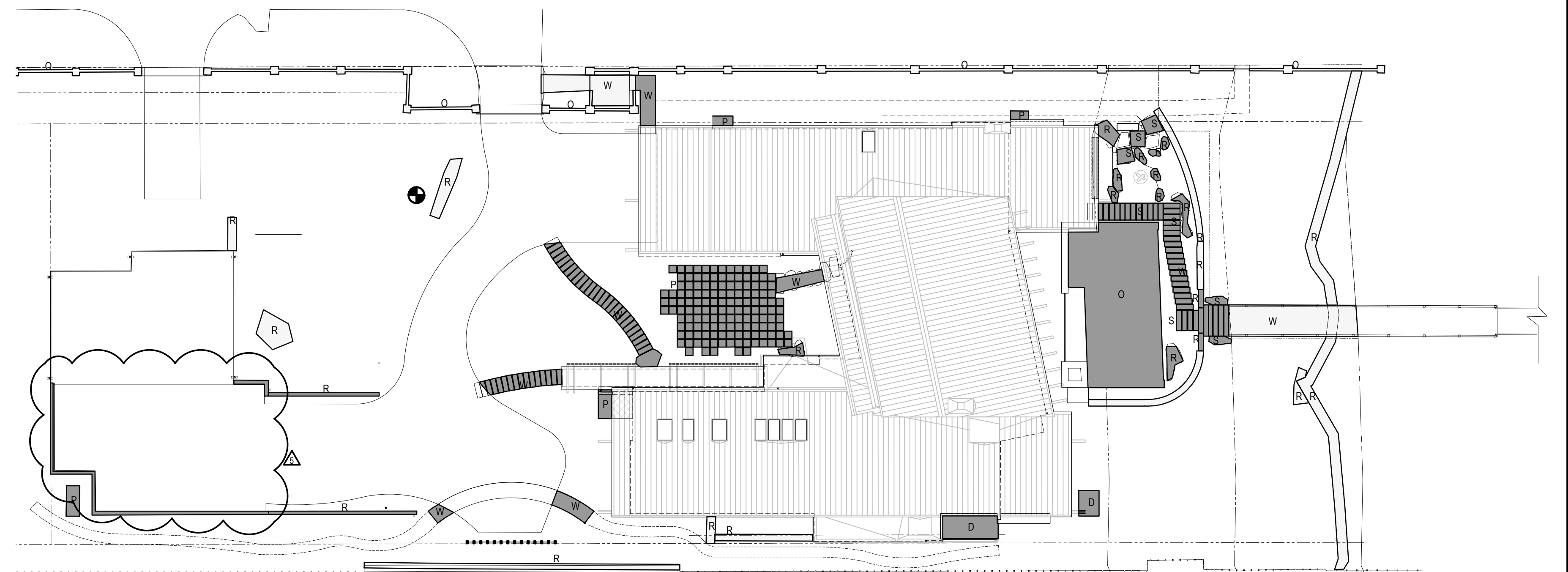


A. GROSS LOT AREA : 27739 SF
B. NET LOT AREA : 27739 SF
C. AREA BORROWED FROM LOT COVERAGE : 0SF
D. ALLOWED HARDSCAPE AREA : 9% * C
E. ALLOWED HARDSCAPE AREA : 2497 SF
F. TOTAL (E) HARDSCAPE AREA : 2712 SF
9.8% OF LOT

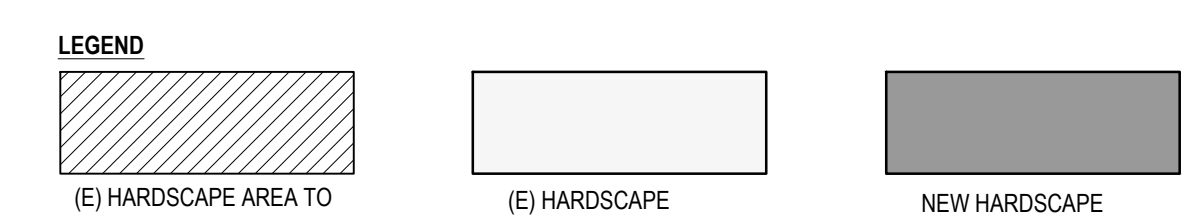
1. d - UNCOVERED DECK: 178 SF
2. p - UNCOVERED PATIO: 4 SF
3. w - WALKWAYS: 1406 SF
4. s - STAIRS: 181 SF
5. r - ROCKERIES&RETAINING WALL: 700 SF
6. o - OTHER: FENCE-FOUNTAIN: 243 SF

G. TOTAL HARDSCAPE AREA REMOVED: 1814 SF

1. d - UNCOVERED DECK: 178 SF
2. p - UNCOVERED PATIO: 4 SF
3. w - WALKWAYS: 1168 SF
4. s - STAIRS: 181 SF
5. r - ROCKERIES&RETAINING WALL: 231 SF
6. o - OTHER: FOUNTAIN: 52 SF



NEW HARDSCAPE DIAGRAM



H. TOTAL NEW HARDSCAPE AREA: 1519 SF

1. D - UNCOVERED DECK: 69 SF
2. P - UNCOVERED PATIO: 355 SF
3. W - WALKWAYS: 268 SF
4. S - STAIRS: 151 SF
5. R - ROCKERIES&RETAINING WALL: 183 SF
6. O - OTHER: POOL: 513 SF

I. TOTAL PROJECT HARDSCAPE AREA: 2417 SF < 2497 SF, MAX. ALLOWED HARDSCAPE AREA
8.71% OF LOT

1. D - UNCOVERED DECK: 69 SF
2. P - UNCOVERED PATIO: 355 SF
3. W - WALKWAYS: 506 SF
4. S - STAIRS: 151 SF
5. R - ROCKERIES&RETAINING WALL: 632 SF
6. O - OTHER: POOL-FENCE: 704 SF

1 HARDSCAPE AREA CALCULATION AND DIAGRAM
 1/16" = 1'-0"

PROJECT NO.: 1811
 DRAWN: YS
 ISSUE: DATE: 12-18-20

REVISIONS: DATE

1. BUILDING CORRECTIONS 06/07/21
2. LAND USE & CIVIL CORRECTIONS 06/11/21
3. BUILDING CORRECTIONS 07/08/21
4. BUILDING CORRECTIONS 07/26/21
5. POST-PERMIT REVISIONS 12/17/21

TOPOGRAPHIC & BOUNDARY SURVEY

measure success

LEGAL DESCRIPTION

THAT PORTION OF GOVERNMENT LOT 5, SECTION 7, TOWNSHIP 24 NORTH, RANGE 5 EAST, WILLAMETTE MERIDIAN, IN KING COUNTY, WASHINGTON, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT 821.44 FEET WEST AND 770.00 FEET NORTH OF THE SOUTHEAST CORNER OF SAID GOVERNMENT LOT 5, SAID POINT BEGGING THE SOUTHEAST CORNER OF THAT CERTAIN TRACT OF LAND CONVEYED TO O.L. PABST BY DEED RECORDED UNDER KING COUNTY AUDITOR'S FILE NUMBER 2885565 (SAID TRACT TO BE HEREINAFTER REFERRED TO AS THE PABST TRACT);

THENCE WEST, ALONG THE SOUTH LINE OF SAID PABST TRACT, 100.00 FEET TO AN INTERSECTION WITH THE WEST LINE OF SAID PABST TRACT;

THENCE NORTH, ALONG THE WEST LINE OF SAID PABST TRACT, 282.00 FEET, MORE OR LESS, TO THE PRESENT SHORELINE OF LAKE WASHINGTON;

THENCE EASTERLY, ALONG SAID SHORELINE 100.00 FEET, MORE OR LESS, TO AN INTERSECTION WITH THE EAST LINE OF SAID PABST TRACT, THENCE SOUTH, ALONG THE EAST LINE OF SAID PABST TRACT 285.00 FEET, MORE OR LESS, TO THE TRUE POINT OF BEGINNING,

TOGETHER WITH SECOND CLASS SHORELANDS ADJOINING SAID PREMISES;

(ALSO KNOWN AS NANESS LOT CONSOLIDATION, RECORDED UNDER RECORDING NUMBER 20010416900004)

BASIS OF BEARINGS

ACCEPTED A BEARING OF N00°05'04"E ALONG THE CENTERLINE OF 97TH AVE SE

REFERENCES

1. NANESS LOT CONSOLIDATION, RECORDING NUMBER 20010416900004

VERTICAL DATUM

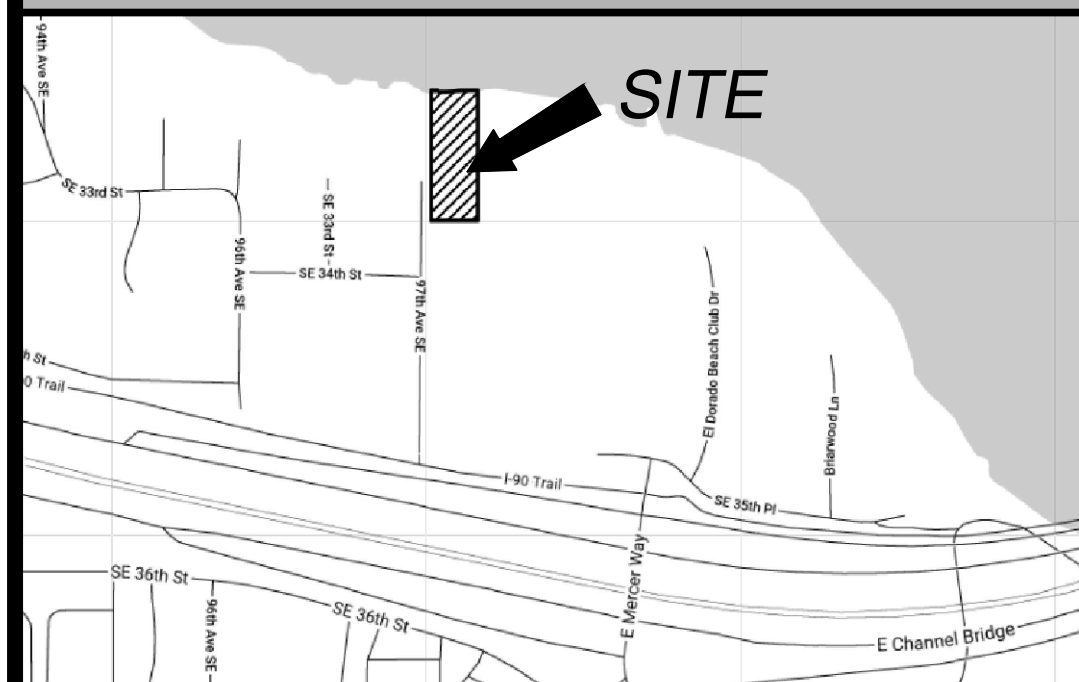
NAVD 88, CITY OF MERCER ISLAND CONTROL POINT# 2068, ELEVATION=63.18', REBAR & CAP L&S# 2634 (DOWN 0.8'), LOCATED AT THE CENTERLINE OF 97TH AVENUE SE, 100'S OF SE 34TH STREET

SURVEYOR'S NOTES

1. THE TOPOGRAPHIC SURVEY SHOWN HEREON WAS PERFORMED IN DECEMBER OF 2015. 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. BURIED UTILITIES SHOWN BASED ON RECORDS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE IN THE FIELD. GEODIMENSIONS ASSUMES NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS OR ACCEPT RESPONSIBILITY FOR UNDERGROUND LINES WHICH ARE NOT MADE PUBLIC RECORD. FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN CONTACT THE UTILITY OWNER/AGENCY. AS ALWAYS, CALL 1-800-424-5555 BEFORE CONSTRUCTION.
3. SUBJECT PROPERTY TAX PARCEL NO. 0724059038
4. SUBJECT PROPERTY UPLAND AREA PER THIS SURVEY IS 27739± S.F. (0.64± ACRES)
5. THE PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN WFG NATIONAL TITLE COMPANY, ORDER NO. 17-115848, WITH AN EFFECTIVE DATE OF OCTOBER 1, 2018 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.
6. INSTRUMENTATION FOR THIS SURVEY WAS A TRIMBLE ELECTRONIC DISTANCE MEASURING UNIT. PROCEDURES USED IN THIS SURVEY WERE DIRECT AND REVERSE ANGLES, NO CORRECTION NECESSARY. MEETS STATE STANDARDS SET BY WAC 332-130-090.
7. TREE INFORMATION PER GREENFOREST INC. ARORIST REPORT DATED JANUARY 26, 2021.

VICINITY MAP

N.T.S.



SCHEDULE B ITEMS

13. EASEMENT AND THE TERMS AND CONDITIONS THEREOF AFFECTING A PORTION OF SAID PREMISES, AS RECORDED UNDER 5998357 OF OFFICIAL RECORDS. IN FAVOR OF: MERCER ISLAND SEWER DISTRICT, A MUNICIPAL CORPORATION FOR: SEWER PUMPING STATION, SEWER PIPELINE AND ALL NECESSARY CONNECTIONS AND APPURTENANCES THERETO (EXTINGUISHED BY EASEMENT, REC. NO. 20050224000204)

14. EASEMENT AND THE TERMS AND CONDITIONS THEREOF AFFECTING A PORTION OF SAID PREMISES, AS RECORDED UNDER 6533605 OF OFFICIAL RECORDS. IN FAVOR OF: MUNICIPALITY OF METROPOLITAN SEATTLE FOR: SEWER LINE (CAN NOT PLOT, FALLS IN LAKE)

15. EASEMENT AND THE TERMS AND CONDITIONS THEREOF AFFECTING A PORTION OF SAID PREMISES, AS RECORDED UNDER 5028722 OF OFFICIAL RECORDS. IN FAVOR OF: MERCER ISLAND SEWER DISTRICT, A MUNICIPAL CORPORATION FOR: INSTALLING, CONSTRUCTING, MAINTAINING, OPERATING, REPAIRING AND REPLACING SEWER PIPELINE OR LINES AND ALL NECESSARY CONNECTIONS AND APPURTENANCES. (BLANKET IN NATURE OVER SECOND CLASS SHORELANDS)

16. EASEMENT AND THE TERMS AND CONDITIONS THEREOF AFFECTING A PORTION OF SAID PREMISES, AS RECORDED UNDER 7705200918 OF OFFICIAL RECORDS. FOR: WATER LINE (PLOTTED)

17. EASEMENT AND THE TERMS AND CONDITIONS THEREOF AFFECTING A PORTION OF SAID PREMISES, AS RECORDED UNDER 7705200919 OF OFFICIAL RECORDS. FOR: UNDERGROUND WATER LINE AND AN ABOVEGROUND WATER METER (BLANKET IN NATURE OVER SOUTH 96.0' OF SUBJECT PARCEL)

SAID INSTRUMENT WAS (MODIFIED, CORRECTED, OR AMENDED) BY INSTRUMENT RECORDED ON DECEMBER 6, 1999, IN 19991206000853, OF OFFICIAL RECORDS.

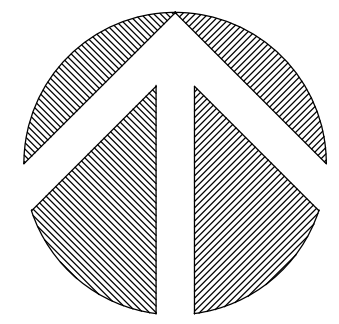
18. ALL COVENANTS, CONDITIONS, RESTRICTIONS, EASEMENTS AND LIABILITY TO ASSESSMENTS, IF ANY, DISCLOSED BY THE LOT CONSOLIDATION, RECORDED ON APRIL 16, 2004, IN 20010416900004, OF OFFICIAL RECORDS. (PLOTTED, NOTE: DOCUMENT 7808150801 NOT LISTED IN TITLE, MAY NO LONGER AFFECT PROPERTY)

19. INDEMNIFICATION AND HOLD HARMLESS AGREEMENT AND THE TERMS AND CONDITIONS THEREOF, RECORDED AS 20030710002825, OF OFFICIAL RECORDS. (NOT SURVEY RELATED)

20. PERMANENT ACCESS AND USE EASEMENT AND THE TERMS AND CONDITIONS THEREOF AFFECTING A PORTION OF SAID PREMISES, AS RECORDED UNDER 20050224000204 OF OFFICIAL RECORDS. IN FAVOR OF: CITY OF MERCER ISLAND FOR: UTILITY (PLOTTED)

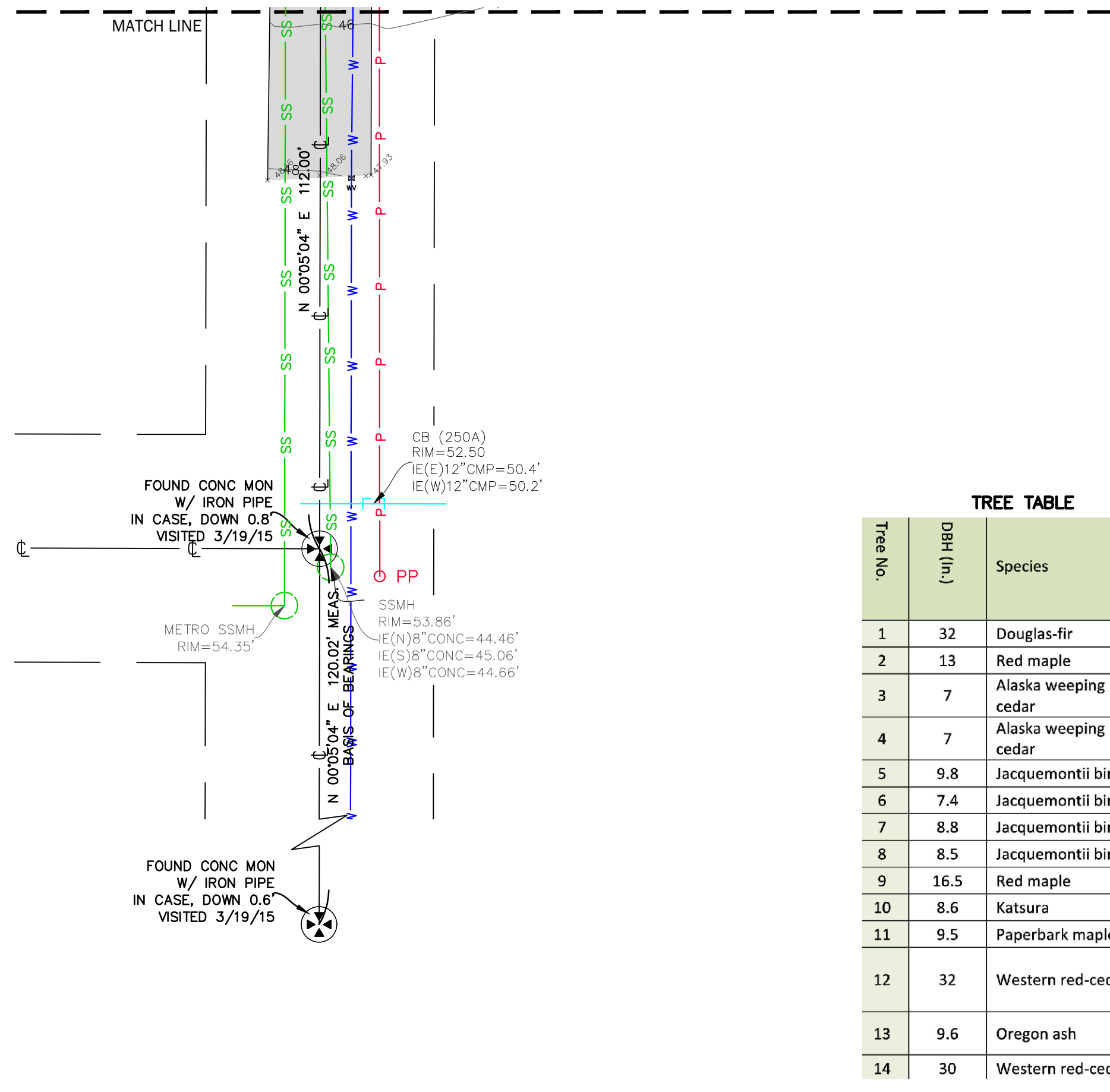
LEGEND

	AREA DRAIN		WATER METER
	ASPHALT SURFACE		WATER VALVE
	BUILDING		IRON PIPE (FOUND)
	CENTERLINE ROW		BENCH MARK
	CONCRETE SURFACE		EAVE LINE
	CONCRETE WALL CONTOUR (MAJOR)		5' MIN/15' TOTAL SIDE SETBACK
	CONCRETE WALL CONTOUR (MINOR)		20' FRONT SETBACK
	DECK		25' REAR SETBACK
	FENCE LINE (CHAIN LINK)		ITEM 20 - SEWER EASEMENT, REC. NO. 20050224000204.
	FENCE LINE (WOOD)		ITEM 16 - WATER LINE ESM'T., REC. NO. 7705200918.
	GAS METER		ITEM 17 - WATER LINE ESM'T., REC. NO. 19991206000853.
	INLET (TYPE 250A)		ITEM 18 - LOT CONSOLIDATION, REC. NO. 20010416900004, ENCROACHMENT ESM'T. REC. NO. 7808150801. (NOTE: DOCUMENT 7808150801 NOT LISTED IN TITLE, MAY NO LONGER AFFECT PROPERTY)
	INLET (TYPE 250B)		
	GUY POLE		
	MONUMENT IN CASE (FOUND)		
	POWER METER		
	POWER (OVERHEAD)		
	ROCKERY		
	SEWER MAINTENANCE		
	STORM DRAIN LINE		
	TREE (TYPE, SIZE)		



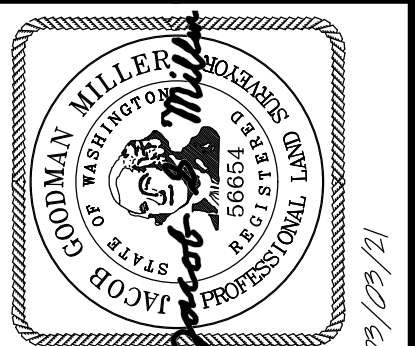
(IN FEET)
1 inch = 20 ft.

TYPE	COVERAGE S.F.	LOT COVERAGE
BUILDINGS	9,829	35.47%
CONCRETE	3,053	11.02%
ASPHALT	922	03.33%
TOTALS	13,804	49.81%



Tree No.	DBH (in.)	Species	Drillline (ft)
1	32	Douglas-fir	21
2	13	Red maple	19
3	7	Alaska weeping cedar	7
4	7	Alaska weeping cedar	8
5	9.8	Jacquemontii birch	14
6	7.4	Jacquemontii birch	16
7	8.8	Jacquemontii birch	15
8	8.5	Jacquemontii birch	16
9	16.5	Red maple	20
10	8.6	Katsura	12
11	9.5	Paperbark maple	11
12	32	Western red-cedar	17
13	9.6	Oregon ash	14
14	30	Western red-cedar	15

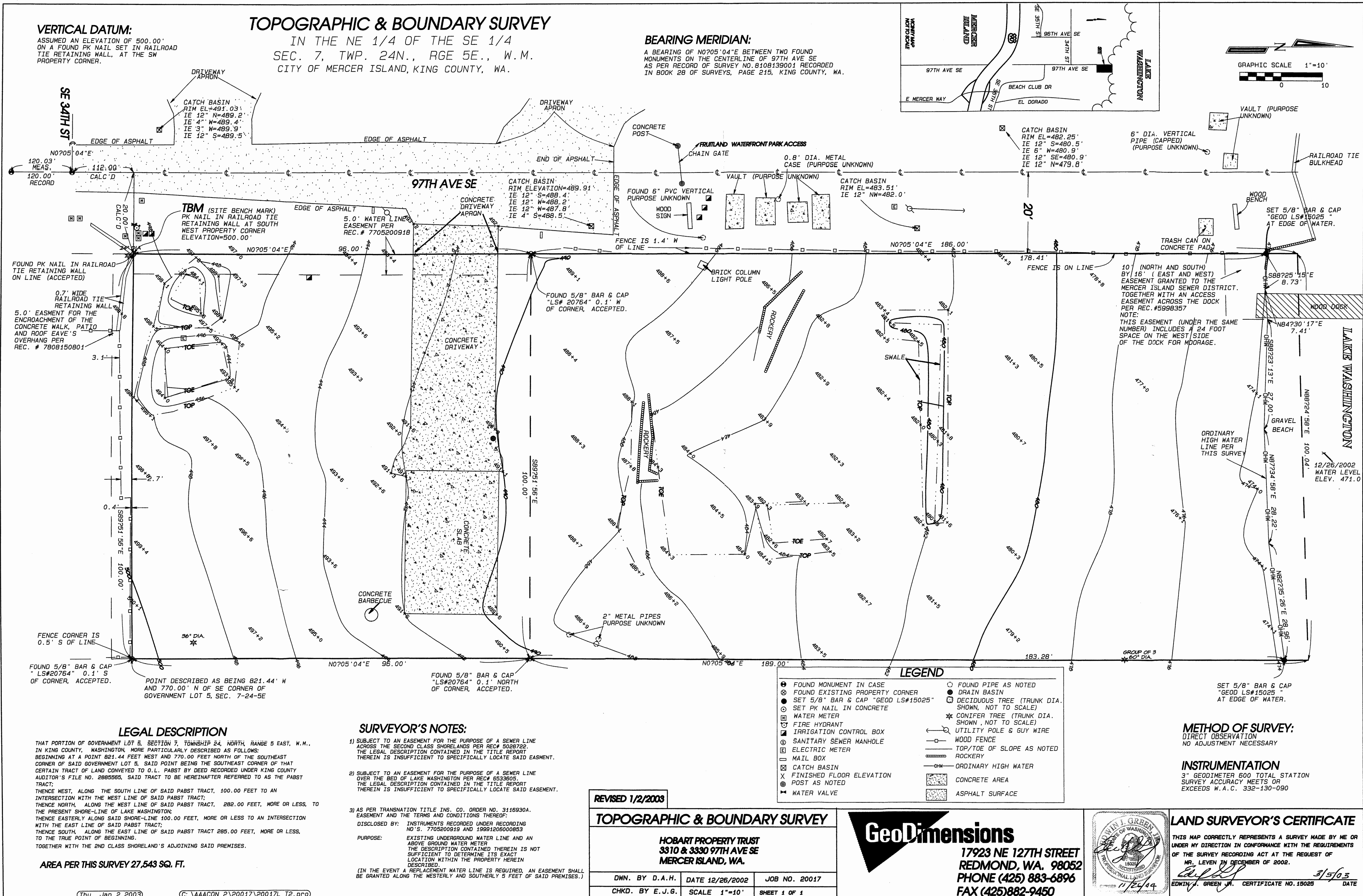
TOPOGRAPHIC & BOUNDARY SURVEY
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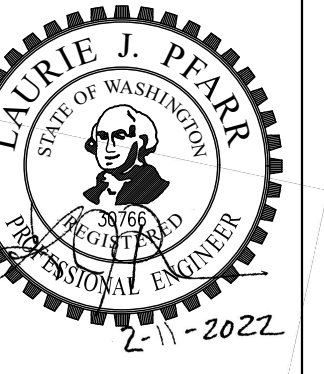


Terrane
10801 Main Street, Suite 102, Bellevue, WA 98004
phone 425.458.4498 support@terrane.net www.terrane.net

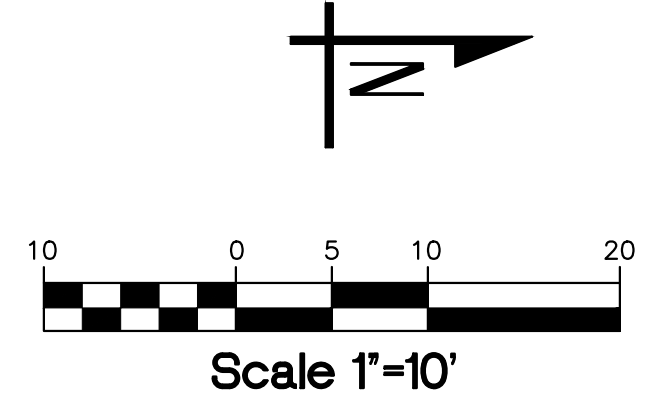
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DATE:	12/1/2015
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CHECKED BY:	EJG/JGM
SCALE:	1" = 20'
REVISION HISTORY	
7/30/19	ADD N SPOT ELEV
7/16/20	DRAINAGE UPDATE
7/28/20	DRAIN ADDED
8/20/20	STORM UPDATED
11/20/20	TITLE REVIEW
SHEET NUMBER	
1 OF 1	

FOR LAND USE REFERENCE,
NOT FOR CONSTRUCTION





PROJECT NO.:	1811
DRAWN:	
ISSUE:	DATE:
	12-18-2020
REVISIONS	DATE
△ PERMIT REVISION 06/09/21	
△ POST-PERMIT 12/07/21	
REVISION 1	
△ POST-PERMIT 12/17/21	
REVISION 2	
△ POST-PERMIT 12/27/22	
REVISION 1 RESUBMITTAL	
△ POST-PERMIT 2/11/22	
REVISION 2 RESUBMITTAL	



LEGEND

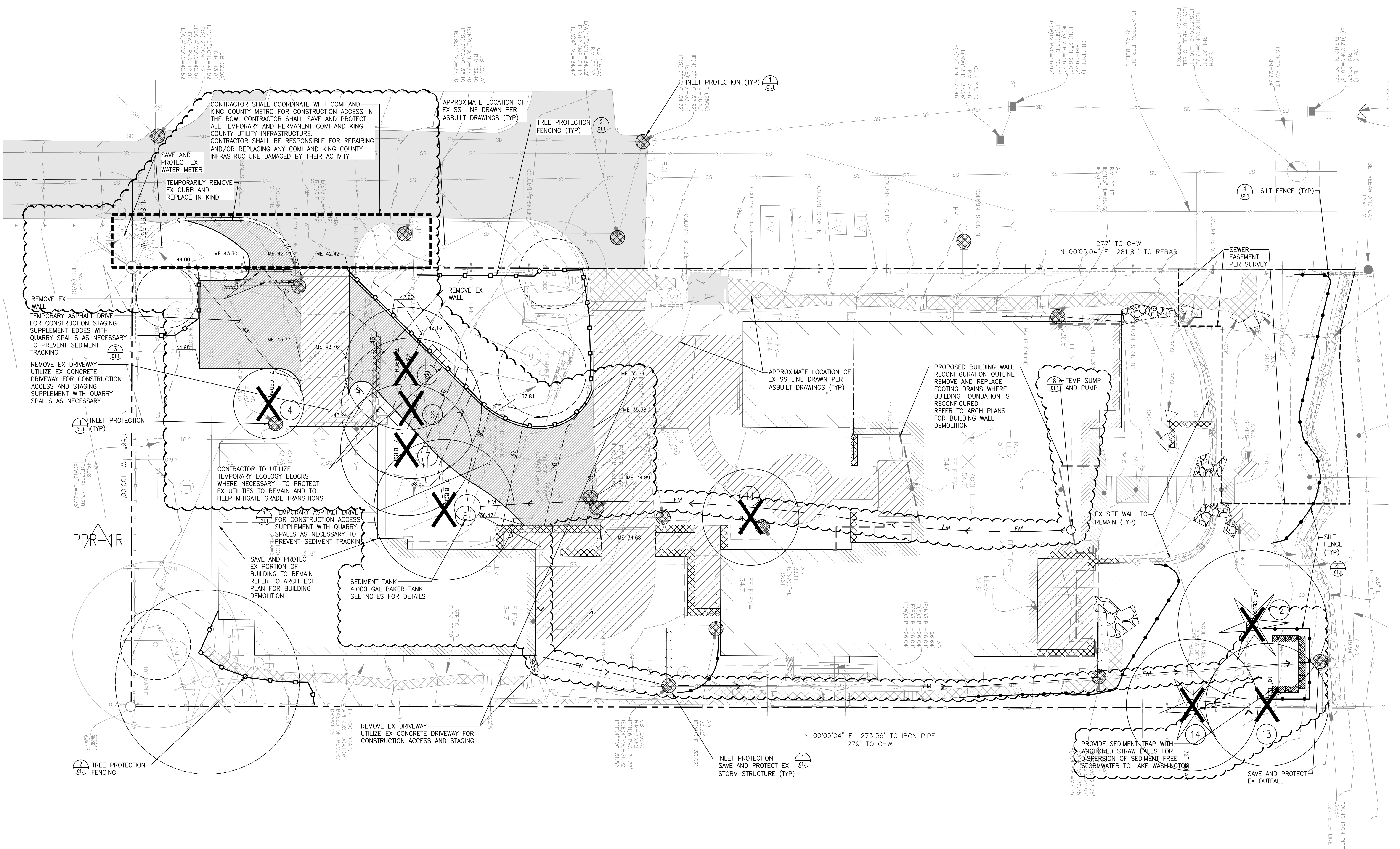
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- - - EX CONTOUR (INDEX)
- - - EX CONTOUR
- - - EX BUILDING
- - - PROPOSED BUILDING OUTLINE
- - - BUILDING/STRUCTURE REMOVAL
- - - SAWCUT LINE
- - - ASPHALT REMOVAL
- - - CONCRETE REMOVAL
- - - TEMPORARY ASPHALT DRIVE
- - - SITE WALL REMOVAL
- - - CONSTRUCTION FENCING
- - - SILT FENCE
- ⊗ EX TREE TO REMAIN
- ⊗ EX TREE TO BE REMOVED UNDER SEPARATE PERMIT
- ⊗ TREE PROTECTION
- - - EX CURB TO BE REMOVED
- - - EX UTILITY TO BE REMOVED
- INLET PROTECTION
- TEMP FORCE MAIN

TESC NOTES

1. CONTRACTOR TO VIDEO INVESTIGATE EX SD DRAIN TO VERIFY LOCATION AND INVERT ELEVATION. CONTRACTOR TO PROVIDE VIDEO TO ENGINEER FOR REVIEW OF EXISTING CONDITION PRIOR TO CONSTRUCTION.
2. PROVIDE 4000 GALLON BAKER POLY TANK OR EQUAL AS NECESSARY FOR STORMWATER SEDIMENT CONTROL PRIOR TO BOORCHARGE FROM THE SITE.
3. CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AS NECESSARY TO SECURE MATERIALS, EQUIPMENT AND ALL AREAS BEING DISTURBED.
4. FOR ANY UTILITY TRENCHES OR OTHER IMPROVEMENTS WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, THE CONTRACTOR SHALL AIR SPADE OR DIG BY HAND EXCAVATIONS. CONTRACTOR SHALL ONLY CUT ROOTS LESS THAN 2" THAT INTERFERE WITH THE INSTALLATION OF THE PROPOSED IMPROVEMENTS.

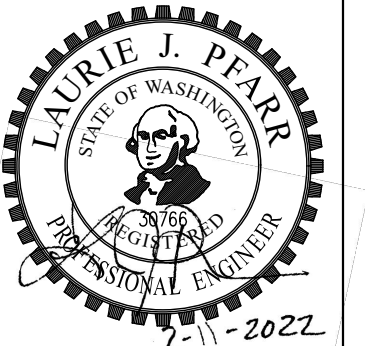
TREE REMOVAL UNDER SEPARATE PERMIT PERMIT #2103-87 APPROVED TO REMOVE TREE NUMBER 4, 5, 6, 7, 11, 12, 13, 14

REFER TO A101 FOR SITE PLAN AND LOT COVERAGE AND HARDSCAPE CALCULATIONS AT SHORELINE SETBACKS
REFER TO T202 FOR LOT COVERAGE AND HARDSCAPE CALCULATIONS



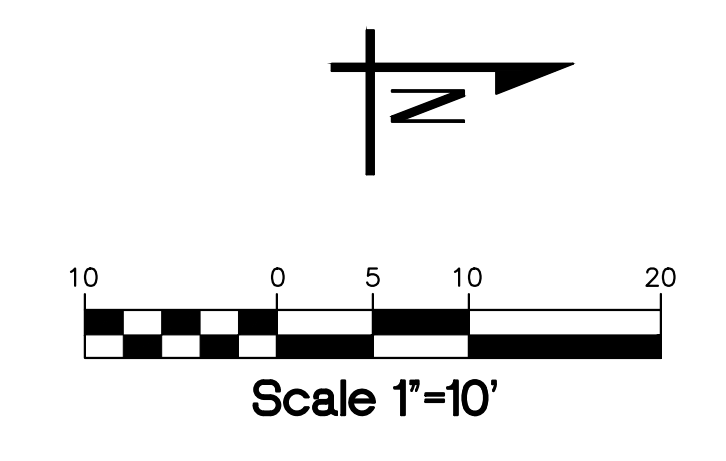
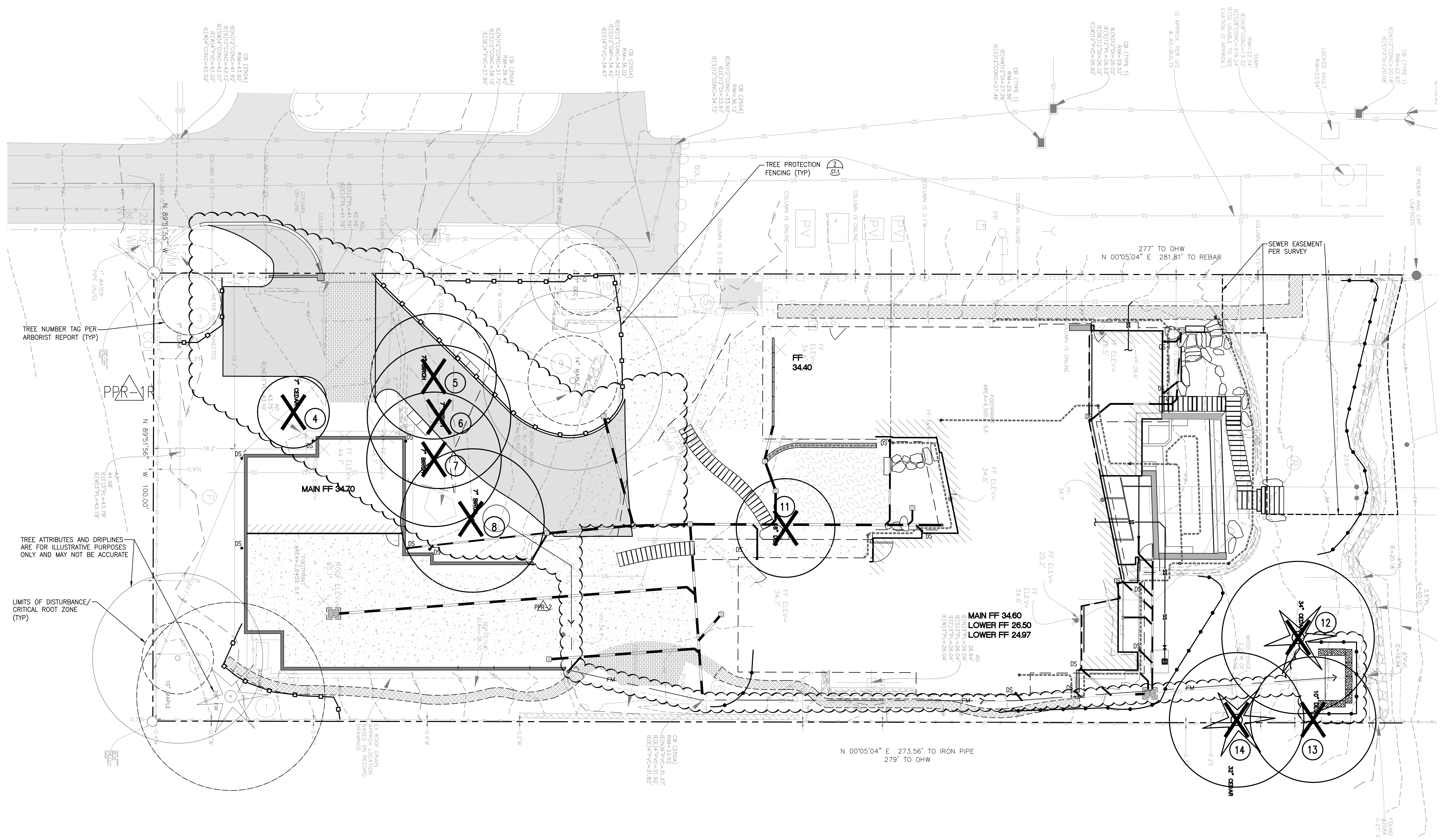
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LPD engineering pllc
1932 First Ave
Suite 201
Seattle, WA 98101
p. 206.725.1211
f. 206.973.5344
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PROJECT NO.: 1811
DRAWN: []
ISSUE: [] DATE: 12-18-2020

REVISIONS	DATE
PERMIT REVISION 06/09/21	
POST-PERMIT 12/07/21	
REVISION 1	
POST-PERMIT 12/17/21	
REVISION 2	
POST-PERMIT 12/27/21	
REVISION 1 RESUBMITTAL	
POST-PERMIT 2/11/22	
REVISION 2 RESUBMITTAL	



LEGEND

- PROPERTY LINE
- - - EX CONTOUR (INDEX)
- EX CONTOUR
- - - PROPOSED CONTOUR (INDEX)
- PROPOSED CONTOUR
- [Hatched] EX BUILDING
- [Hatched] PROPOSED BUILDING
- [Hatched] CONCRETE PAVEMENT
- [Hatched] DRIVEWAY PAVERS
- [Hatched] STONE TERRACE PER ARCH
- [Hatched] MULCH
- [Hatched] SITE WALL
- [Symbol] AREA/YARD DRAIN
- [Symbol] TRENCH/CHANNEL DRAIN
- [Symbol] CATCH BASIN TYPE 1
- [Symbol] STORM DRAINAGE PIPE
- [Symbol] FOOTING/SUBSURFACE DRAIN
- SDCO • STORM DRAIN CLEANOUT
- FDCO • FOOTING DRAIN CLEANOUT
- DS • DOWNSPOUTS
- [Symbol] SEWER BACKWATER VALVE
- SS • SIDE SEWER PIPE
- [Symbol] EXCEPTIONAL TREE LARGER THAN 24"
- [Symbol] EX TREE TO REMAIN
- [Symbol] EX TREE TO BE REMOVED
- [Symbol] TREE PROTECTION
- [Symbol] SILT FENCE

TREE REMOVAL UNDER SEPARATE PERMIT #2103-187 APPROVED TO REMOVE TREE NUMBER 4, 5, 6, 7, 11, 12, 13, 14

TESC NOTES

- CONTRACTOR TO VIDEO INVESTIGATE EX SD DRAIN TO VERIFY LOCATION AND INVERT ELEVATION. CONTRACTOR TO PROVIDE VIDEO TO ENGINEER FOR REVIEW OF EXISTING CONDITION PRIOR TO CONSTRUCTION.
- PROVIDE 1,750 GALLON BAKER TANK AS NECESSARY FOR STORMWATER SEDIMENT CONTROL PRIOR TO BIOCHARGE FROM THE SITE.
- CONTRACTOR TO PROVIDE CONSTRUCTION FENCING AS NECESSARY TO SECURE MATERIALS, EQUIPMENT AND ALL AREAS BEING DISTURBED.
- FOR ANY UTILITY TRENCHES OR OTHER IMPROVEMENTS WITHIN THE CRITICAL ROOT ZONE OF AN EXISTING TREE, THE CONTRACTOR SHALL AIR SPADE OR DIG BY HAND EXCAVATIONS. CONTRACTOR SHALL ONLY CUT REQ'D ROOTS LESS THAN 2" THAT INTERFERE WITH THE INSTALLATION OF THE PROPOSED IMPROVEMENTS.

ADDITIONAL NOTES

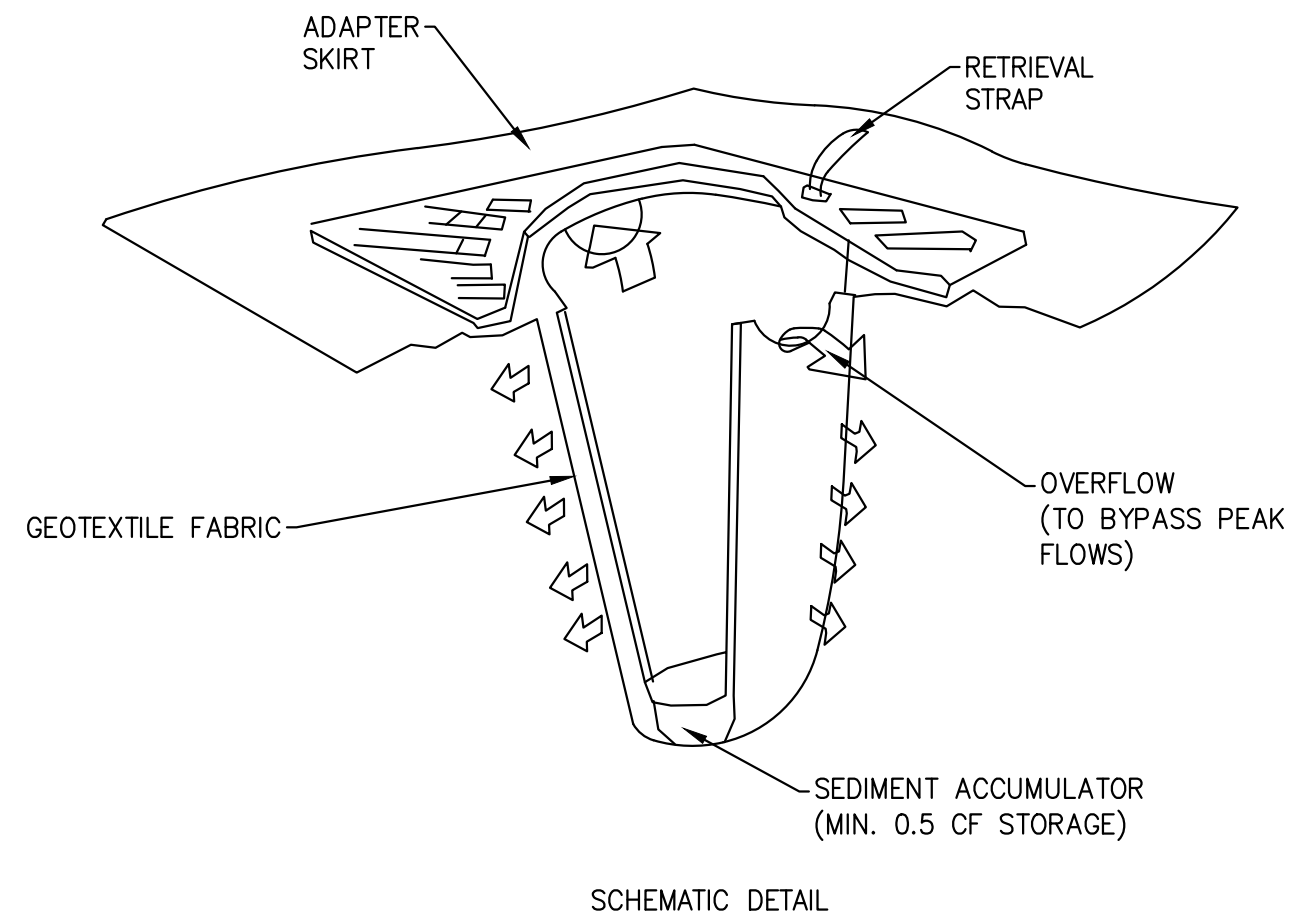
- PER ARBORIST REPORT, NO WORK IS CURRENTLY PROPOSED WITHIN CRITICAL ROOT ZONE OF TREE. ANY DISTURBANCE WITHIN CRITICAL ROOT ZONE SHALL BE REVIEWED, APPROVED AND MONITORED BY PROJECT ARBORIST.
- TREE PROTECTION SHALL BE APPLIED TO TREES ADJACENT TO THE SITE DEVELOPMENT. FENCING SHALL BE PLACED ALONG TREE DRIP LINE.
- SEE SHEET C1.0A FOR TESC PLAN.
- SEE SHEET C2.0 FOR PROPOSED DRAINAGE PLAN.
- SEE SHEET C3.0 FOR PROPOSED UTILITY PLAN.

TREE PROTECTION MEASURES AND SPECIAL INSTRUCTIONS AROUND RETAINED TREES

- PRIOR TO ANY SITE WORK OR DEMOLITION, TREE PROTECTION FENCING (TPF) SHALL BE ERECTED AROUND RETAINED TREES AS SHOWN. TPF SHALL BE SIX (6) FOOT TEMPORARY CHAIN-LINK FENCE AND SHALL BE INSTALLED COMPLETELY ENCIRCLING THE RETAINED TREES.
- A CITY PLANNER MUST APPROVE ANY MODIFICATIONS TO THE FENCING MATERIAL AND LOCATION.
- THE AREA PROTECTED BY THE TPF IS OFF LIMITS TO ALL CONSTRUCTION RELATED ACTIVITY.
- NO STOCKPILING OF MATERIALS, VEHICULAR OR PEDESTRIAN TRAFFIC, MATERIAL STORAGE OR USE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE PROTECTIVE FENCING.
- ANY WORK, ACTIVITY OR SOIL DISTURBANCE WITHIN THE PROTECTION FENCING OR CRITICAL ROOT ZONE, SHALL BE REVIEWED, APPROVED AND MONITORED BY THE PROJECT ARBORIST.
- FENCING SHALL NOT BE MOVED OR REMOVED UNLESS APPROVED BY A CITY PLANNER.
- BRANCH PRUNING SHALL BE PERFORMED, BY THE CURRENT GARDENER OR AN APPROVED ISA CERTIFIED ARBORIST, WHERE LIMBS OVERHANG THE TPF TO REDUCE INJURY FROM EQUIPMENT.

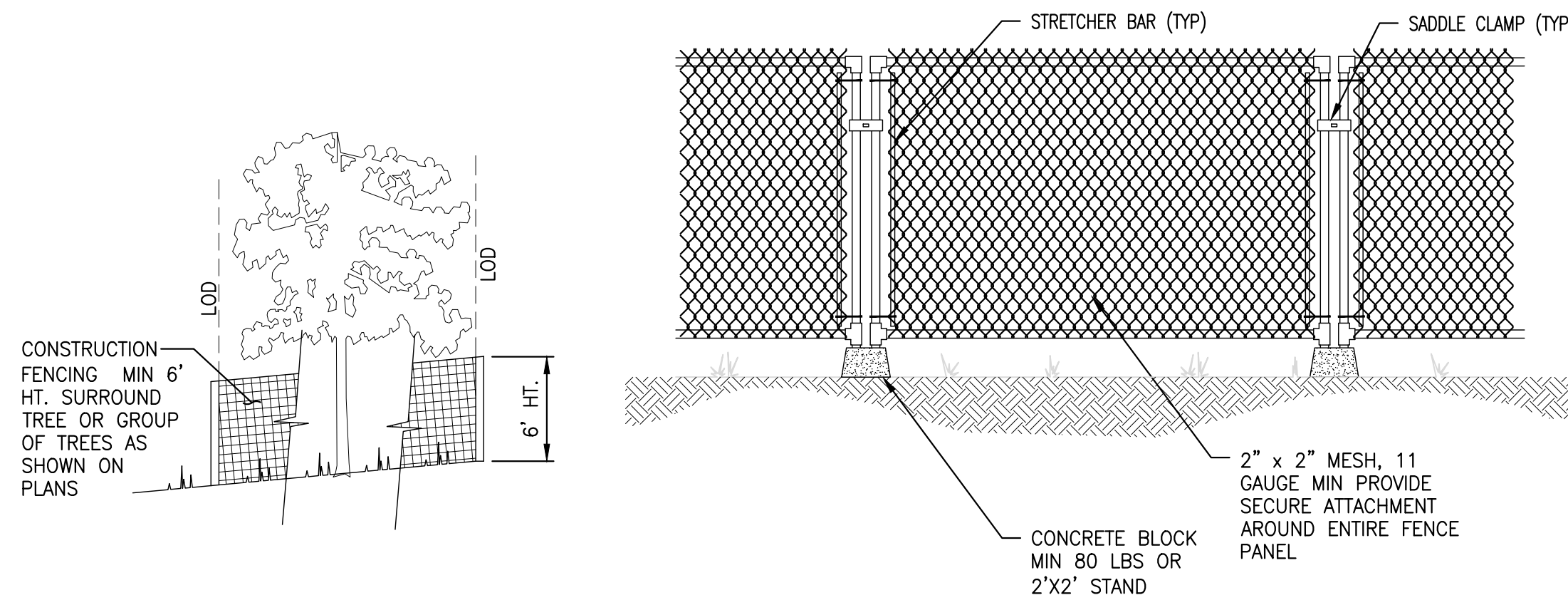
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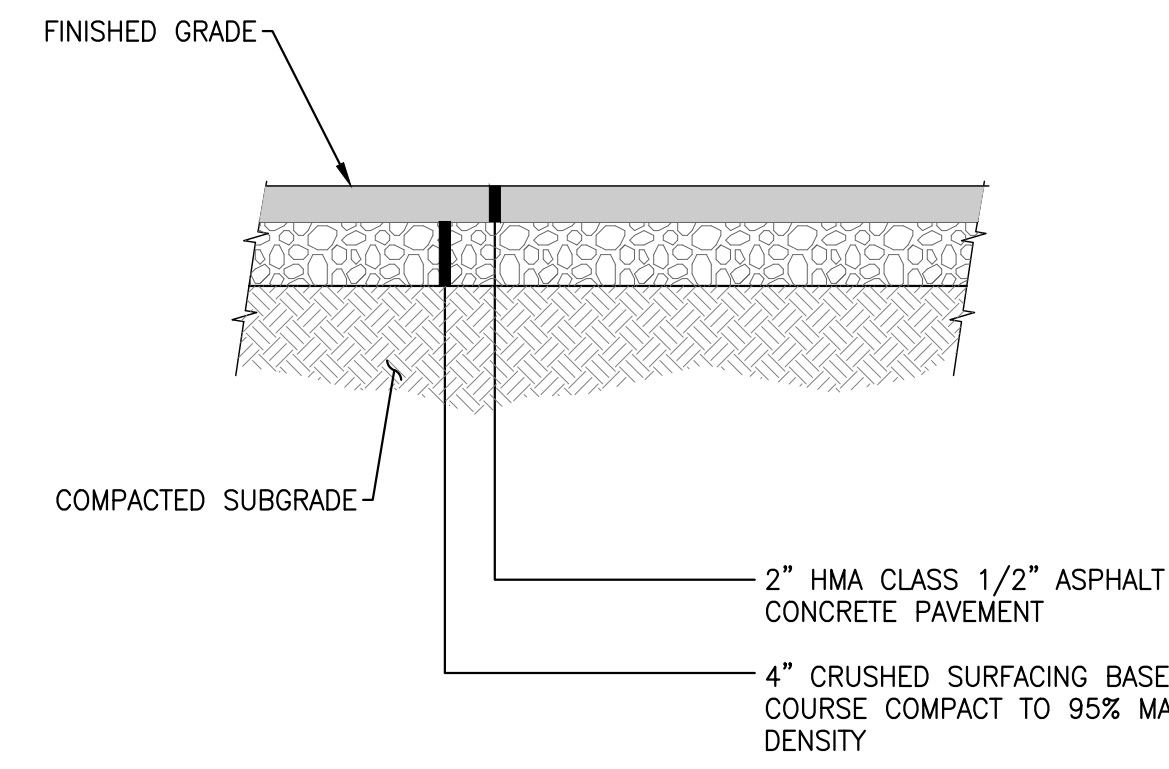
SCHEMATIC DETAIL
 PROVIDE "STREAMGUARD SEDIMENT CATCH BASIN INSERT" OR APPROVED EQUAL
 MANUFACTURER'S NAME: BOWHEAD ENVIRONMENTAL & SAFETY
 ADDRESS: P.O. BOX 375 PRESTON, WA 98050
 TELEPHONE: FOR INFORMATION: (800) 909-3677
 WWW.SHOPBOWHEAD.COM

NTS
INLET PROTECTION 1

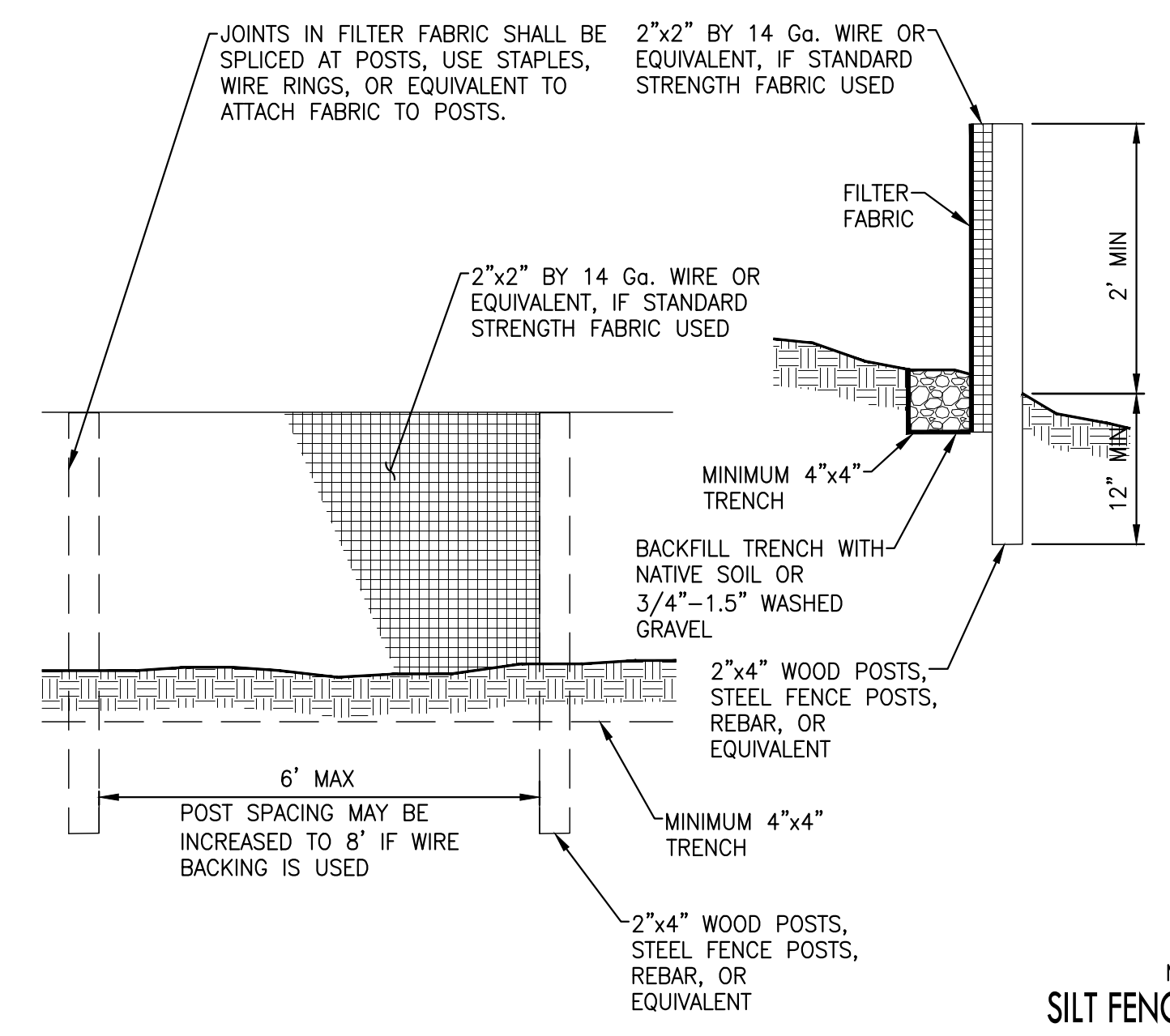


- NOTES:
- A 6 FOOT HIGH TEMPORARY FENCE MUST BE PLACED PRIOR TO THE COMMENCEMENT OF CLEARING OR EARTHWORK. NOTIFY THE CLEARING AND GRADING INSPECTOR TO GET BOTH THE INSPECTION AND WRITTEN APPROVAL OF FLAGGED TREES AND TEMPORARY PROTECTION FENCING AROUND TREES TO BE SAVED PER THE APPROVED CLEARING AND GRADING PLAN.
 - NO STOCKPILING OF MATERIAL AND NO VEHICULAR TRAFFIC ARE ALLOWED WITHIN THE LIMITS OF THE DISTURBANCE (LOD). THE TEMPORARY FENCING, UNLESS APPROVED BY THE ARBORIST, FILLING, EXCAVATION, AND CLEARING MUST BE ACCOMPLISHED BY HAND METHODS ONLY UNLESS APPROVED BY ARBORIST.
 - ROOTS OF TREES TO BE SAVED WHICH ARE DAMAGED DURING CONSTRUCTION MUST BE TREATED IN THE FOLLOWING WAY: FOR DAMAGED ROOTS OVER 1" IN DIAMETER, MAKE A CLEAN, STRAIGHT CUT TO REMOVE THE DAMAGED PORTION OF THE ROOT ALL EXPOSED ROOTS WILL BE TEMPORARILY COVERED WITH DAMP BURLAP OR WOOD SHAVINGS TO PREVENT DRYING AND COVERED WITH EARTH AS SOON AS POSSIBLE.

NTS
TREE PROTECTION 2



NTS
TEMPORARY ASPHALT SECTION DETAIL 3



NTS
SILT FENCE 4

EROSION AND SEDIMENTATION CONTROL NOTES

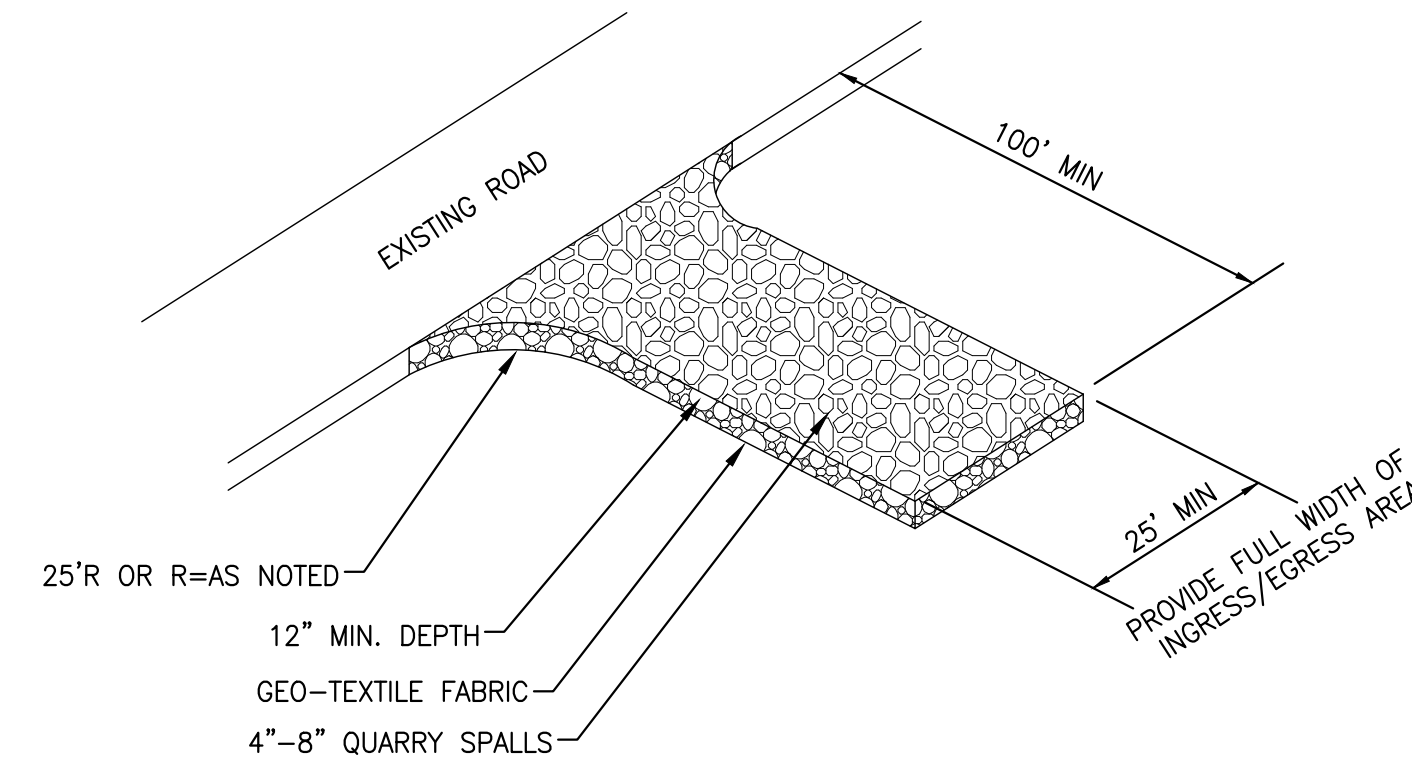
- THE IMPLEMENTATION OF THESE EROSION SEDIMENTATION CONTROL (ESC) PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO INSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE COMPLETED PRIOR TO ALL OTHER CONSTRUCTION.
- 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 (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES), AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY THEIR ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM REQUIREMENTS AS MAY BE NEEDED.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY DURING NON-RAINFALL PERIODS, EVERY HOUR (DAYLIGHT) DURING A RAINFALL EVENT AND AT THE END OF EVERY RAINFALL BY THE PERMIT HOLDER/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. IN ADDITION, TEMP. SILTATION PONDS AND ALL TEMP. SILTATION CONTROLS SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND OR CONSTRUCTION IS COMPLETED, PERMANENT DRAINAGE FACILITIES ARE OPERATIONAL, AND THE POTENTIAL FOR EROSION HAS PASSED.
- ANY AREA STRIPPED OF VEGETATION, INCLUDING ROADWAY EMBANKMENTS WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF SEVEN (7) DAYS, SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION, BLANKETS, ETC.)
- ANY AREAS NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN SEVEN (7) DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.
- AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO DOWNSYSTEM SYSTEM.
- WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (E.G. ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
- WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF THREE INCHES.
- ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF MERCER ISLAND STANDARDS AND SPECIFICATIONS.
- EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS IN DEPARTMENT OF ECOLOGY STORMWATER MANAGEMENT MANUAL, UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- TEMPORARY EROSION/SEDIMENTATION CONTROLS SHALL BE INSTALLED & OPERATING PRIOR TO ANY GRADING OR LAND CLEARING.
- WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION FOR SILT CONTROL.
- ALL CUT AND FILL SLOPES 5:1 (5 FEET HORIZONTAL TO 1 FOOT VERTICAL) OR STEEPER THAT WILL BE LEFT EXPOSED FOR MORE THAN 7 DAYS SHALL BE PROTECTED BY JUTE MATTING, PLASTIC SHEETING, MULCH, OR OTHER APPROVED STABILIZATION METHOD AND PROVIDED WITH ADEQUATE RUNOFF CONVEYANCE TO INTERCEPT RUNOFF AND CONVEY IT TO AN APPROVED STORM DRAIN.
- OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET, THE STREET SHALL BE CLEANED. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION VEHICLE ENTRANCE AND SHALL BE CLEANED OF MUD PRIOR TO EXITING ONTO THE STREET. SILT SHALL BE CLEANED FROM ALL CATCH BASINS WHEN THE BOTTOM HALF BECOMES FILLED WITH SILT.
- ANY CATCH BASIN COLLECTING WATER FROM THE SITE, WHETHER THEY ARE ON OR OFF OF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
- IF ANY PORTION OF THE EROSION/SEDIMENTATION CONTROL ELEMENTS ARE DAMAGED OR NOT FUNCTIONING, OR IF THE CLEARING LIMIT BOUNDARY BECOMES NON-DEFINED, IT SHALL BE REPAIRED IMMEDIATELY.

EROSION AND SEDIMENTATION CONTROL NOTES
9

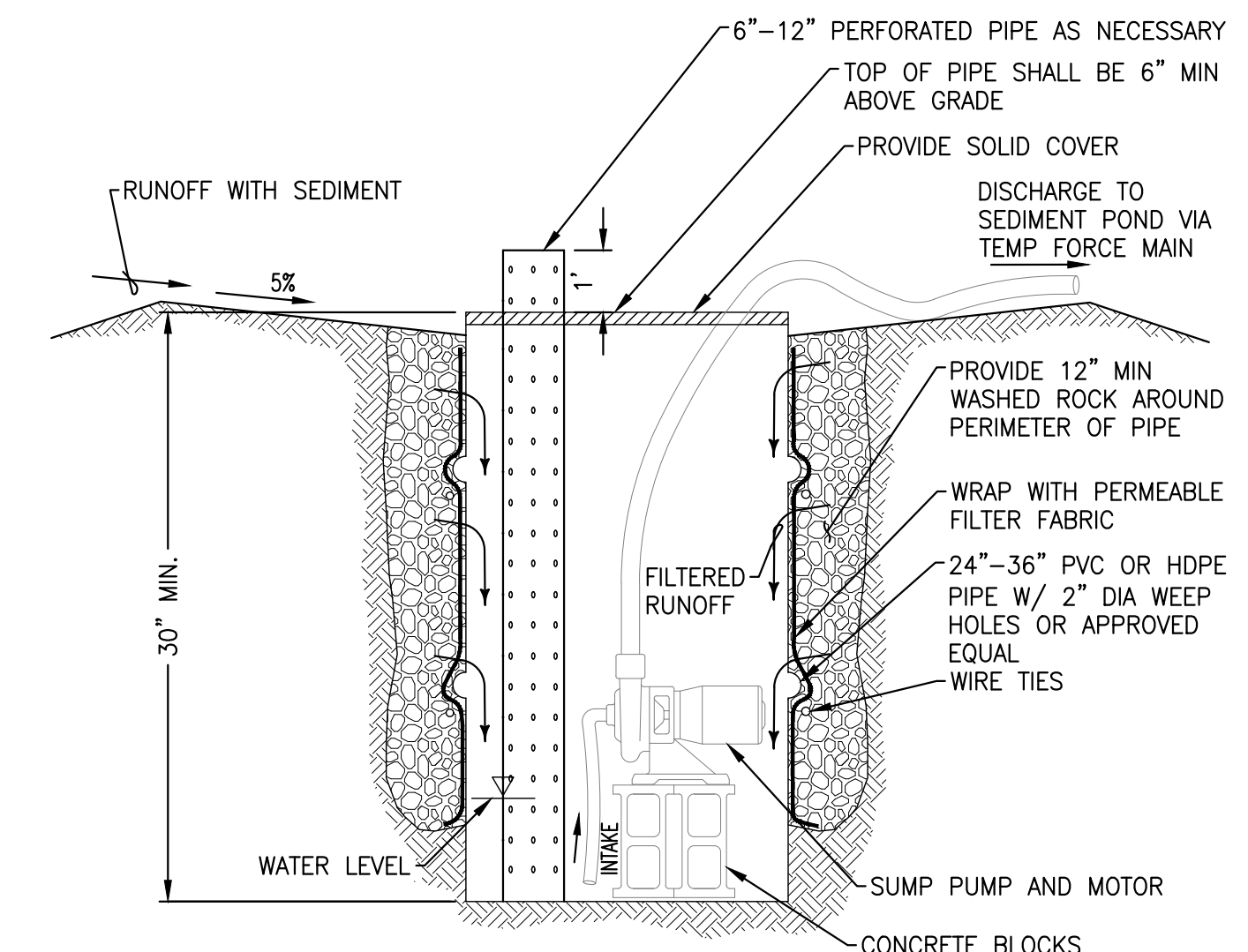
CITY OF MERCER ISLAND NOTES

- ANY CHANGES TO THE APPROVED PLANS REQUIRES CITY APPROVAL THROUGH A REVISION.
- APPLICANT IS RESPONSIBLE FOR ANY DAMAGES TO UNDERGROUND UTILITIES CAUSED FROM THIS CONSTRUCTION.
- CATCH BASIN FILTERS SHOULD BE PROVIDED FOR ALL STORM DRAIN CATCH BASIN/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.
- CONTRACTORS SHALL VERIFY LOCATIONS AND DEPTHS OF UTILITIES.
- AT LEAST 48 HOURS PRIOR TO CONSTRUCTION, CALL "ONE CALL" AT 1.800.425.5555.
- DO NOT BACKFILL WITH NATIVE MATERIAL ON PUBLIC RIGHT-OF-WAY. ALL MATERIAL MUST BE IMPORTED.
- CONSTRUCTION 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.
- 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.
- CONSTRUCTION ACCESS TO SITE SHOULD BE LIMITED TO ONE ROUTE. STABILIZE ENTRANCE WITH QUARRY SPALLS TO PREVENT SEDIMENT FROM LEAVING THE SITE OR ENTERING THE STORM DRAINS.
- PREVENT SEDIMENT, CONSTRUCTION DEBRIS, PAINTS, SOLVENTS, ETC., OR OTHER TYPES OF POLLUTION FROM ENTERING PUBLIC STORM DRAINS. KEEP ALL POLLUTION ON YOUR SITE.
- ALL EXPOSED SOILS SHALL REMAIN DENUDEED 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.
- 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.
- 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 DOWNSYSTEM 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 DOWNSYSTEM DRAINAGE.
- 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.
- REMEMBER: EROSION CONTROL IS YOUR FIRST INSPECTION.
- ROOF DRAINS MUST BE CONNECTED TO THE STORM DRAIN SYSTEM AND INSPECTED BY THE PUBLIC WORKS DEPARTMENT PRIOR TO ANY BACK-FILLING OF PIPE.
- 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.
- WORK IN PUBLIC RIGHT OF WAY REQUIRES A RIGHT-OF-WAY USE PERMIT.
- REFER TO WATER SERVICE PERMIT FOR ACTUAL LOCATION OF NEW WATER METER AND SERVICE LINE DETERMINED BY MERCER ISLAND WATER DEPARTMENT.
- THE TV INSPECTION OF THE EXISTING SIDE SEWER TO THE CITY SEWER MAIN IS REQUIRED. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED. ALTERNATELY, A PRESSURE TEST OF THE SIDE SEWER, FROM SEWER MAIN TO POINT OF CONNECTION, MAY BE SUBSTITUTED FOR THE VIDEO INSPECTION.
- NEWLY INSTALLED SIDE SEWER REQUIRES A 4 P.S.I. AIR TEST OR PROVIDE 10' OF HYDROSTATIC HEAD TEST.
- THE LIMITS AND EXTENTS OF THE PAVEMENT IN THE PUBLIC RIGHT OF WAY SHALL BE DETERMINED BY THE CITY ENGINEER PRIOR TO FINALIZING THE PROJECT.
- TREE PROTECTION INSPECTION REQUIRED BEFORE ANY WORK BEGINS, CALL 206-275-7713.

CITY OF MERCER ISLAND NOTES
10



NTS
STABILIZED CONSTRUCTION ENTRANCE 7



NTS
SUMP AND PUMP 8

NTS
NOT USED 11

NTS
NOT USED 12

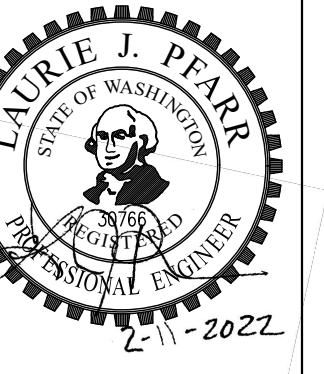
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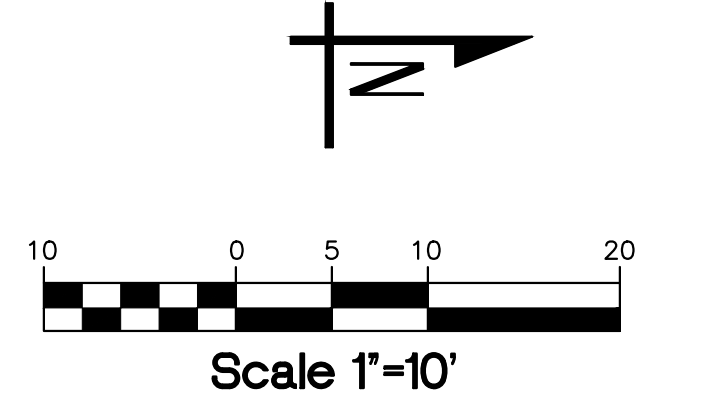
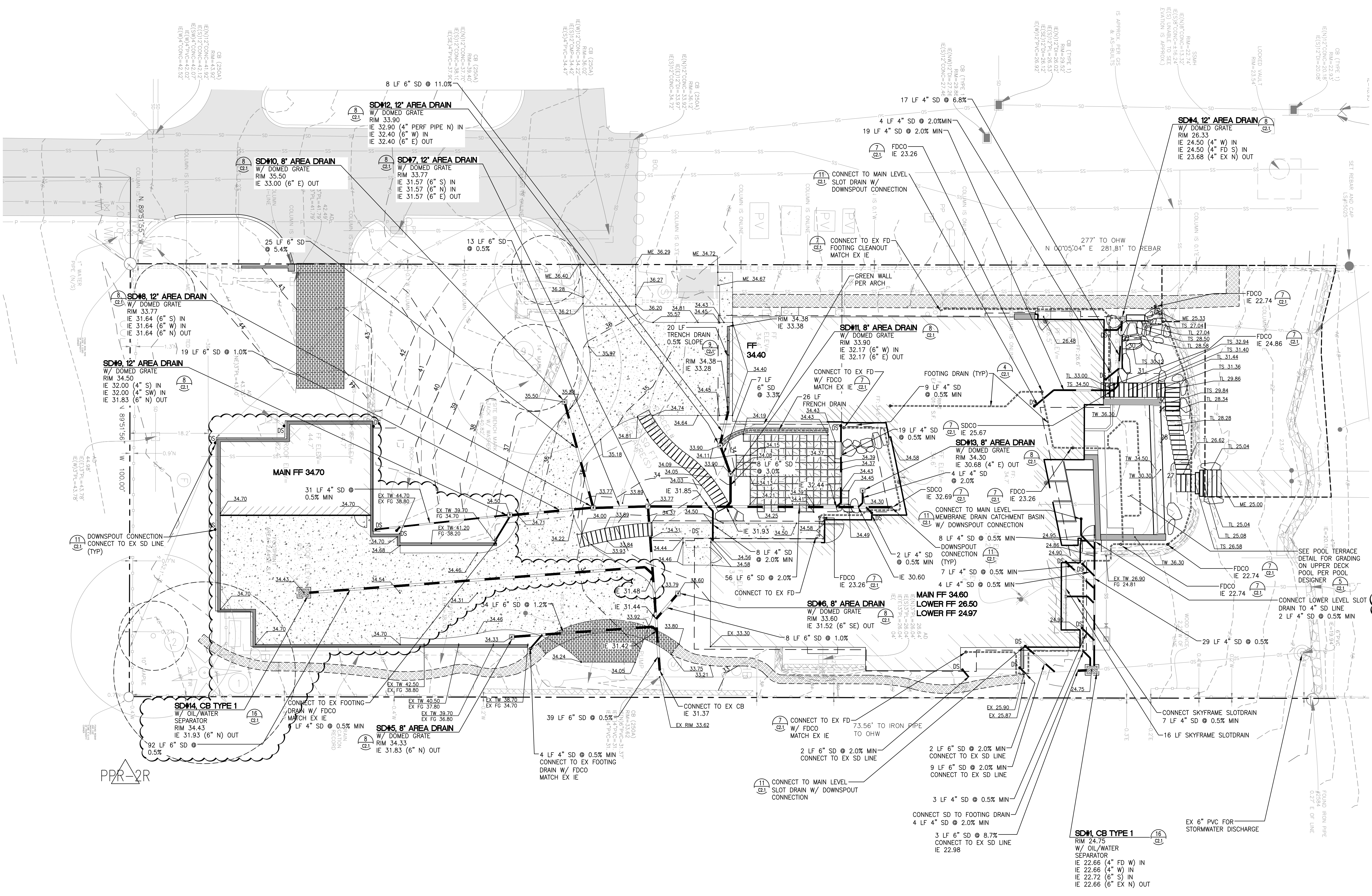
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5 REVISION 2	
6 POST-PERMIT 12/27/22	
7 REVISION 1 RESUBMITTAL	
8 POST-PERMIT 2/11/22	
9 REVISION 2 RESUBMITTAL	



- LEGEND**
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 - - - PROPOSED CONTOUR (INDEX)
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 - SPOT ELEVATION
 - FF 78.0 FINISHED FLOOR ELEVATION
 - ▭ EX BUILDING
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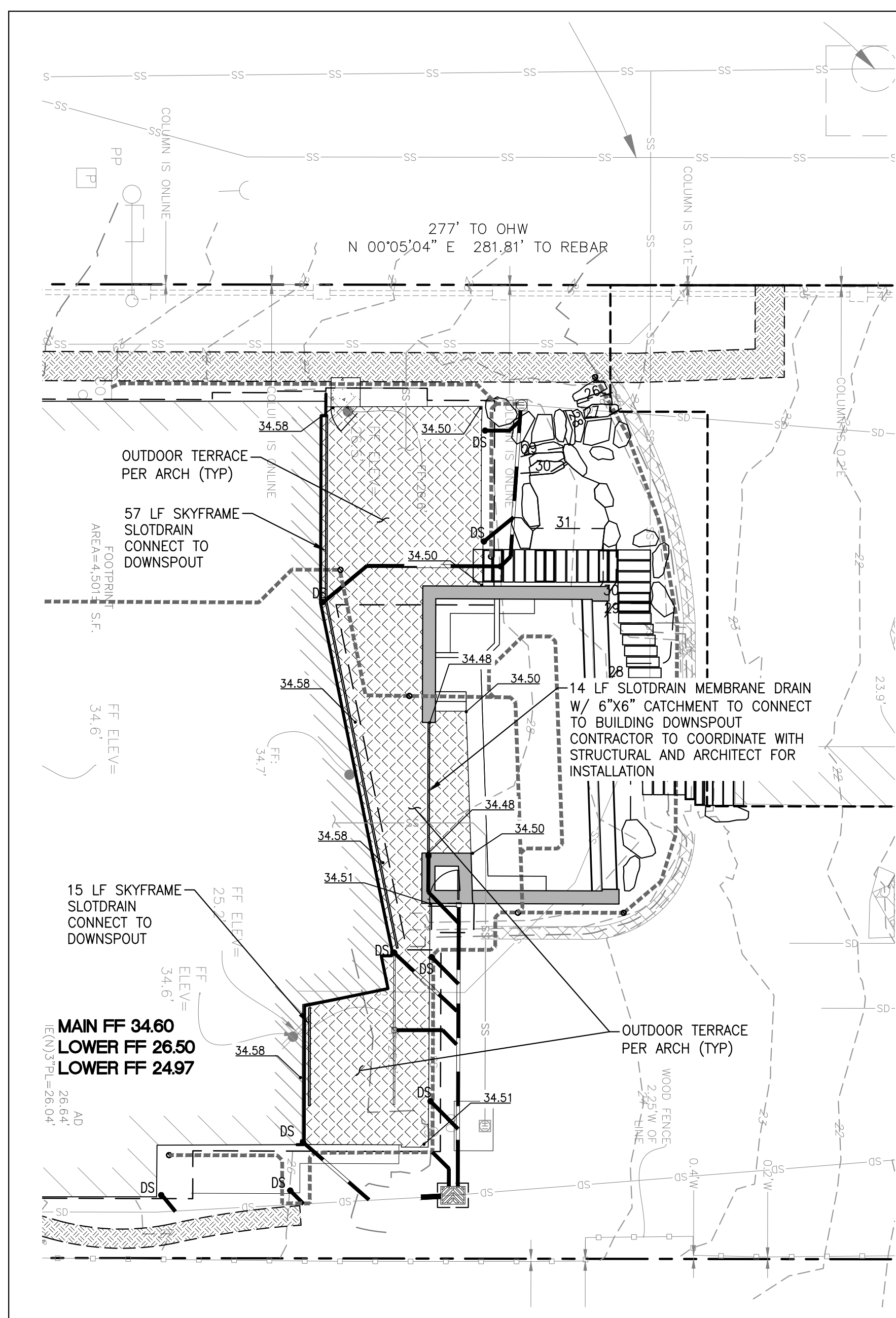
NOTES

1 CONTRACTOR TO VIDEO INVESTIGATE EX SD DRAIN SYSTEM TO VERIFY LOCATION AND INVERT ELEVATION AT EX STRUCTURES AND PROPOSED CONNECTIONS. CONTRACTOR TO PROVIDE VIDEO TO ENGINEER FOR REVIEW OF EXISTING CONDITION PRIOR TO CONSTRUCTION.

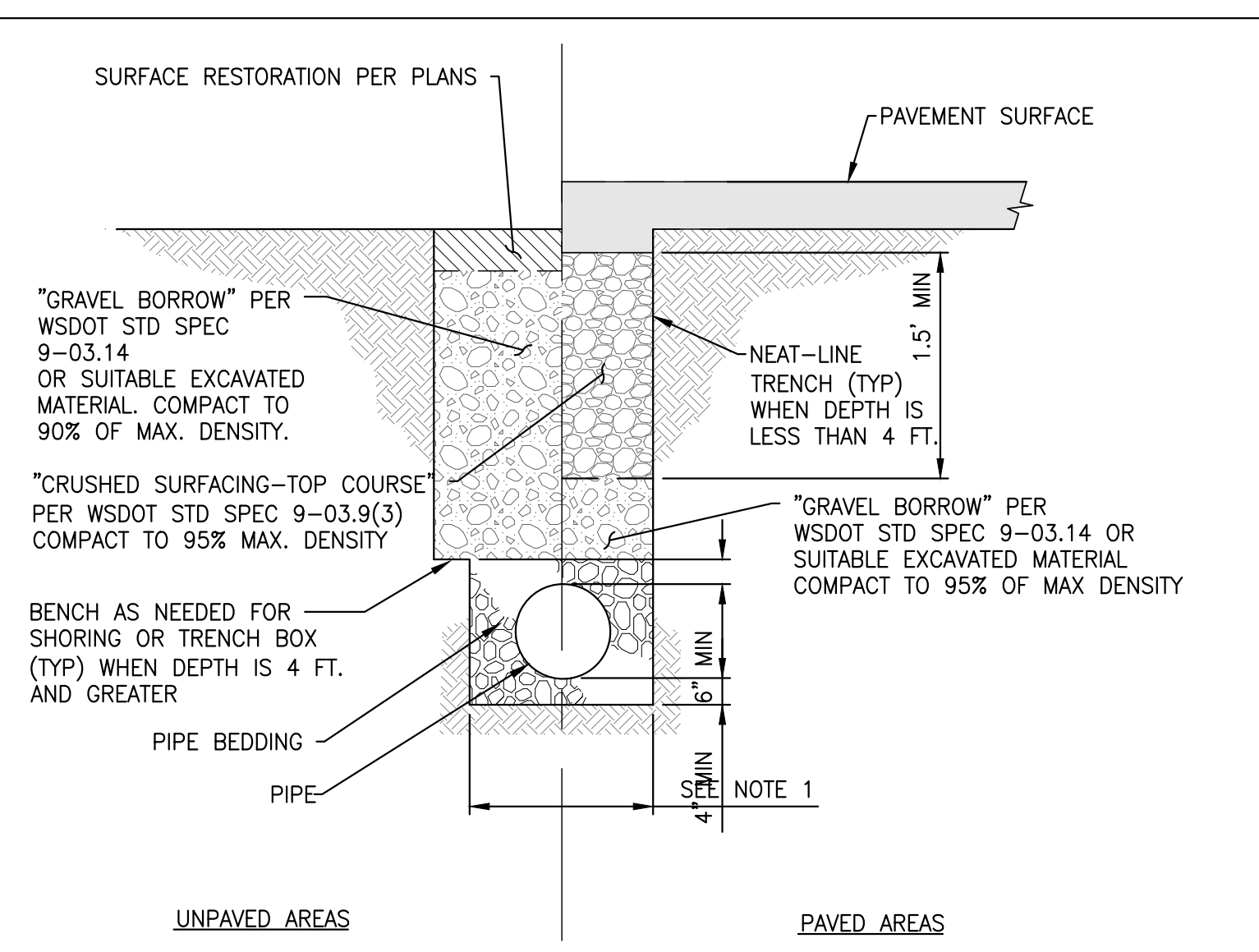
TOTAL POLLUTION-GENERATING IMPERVIOUS SURFACE = 3870 SF

811 Know what's below. Call before you dig. Dial 811

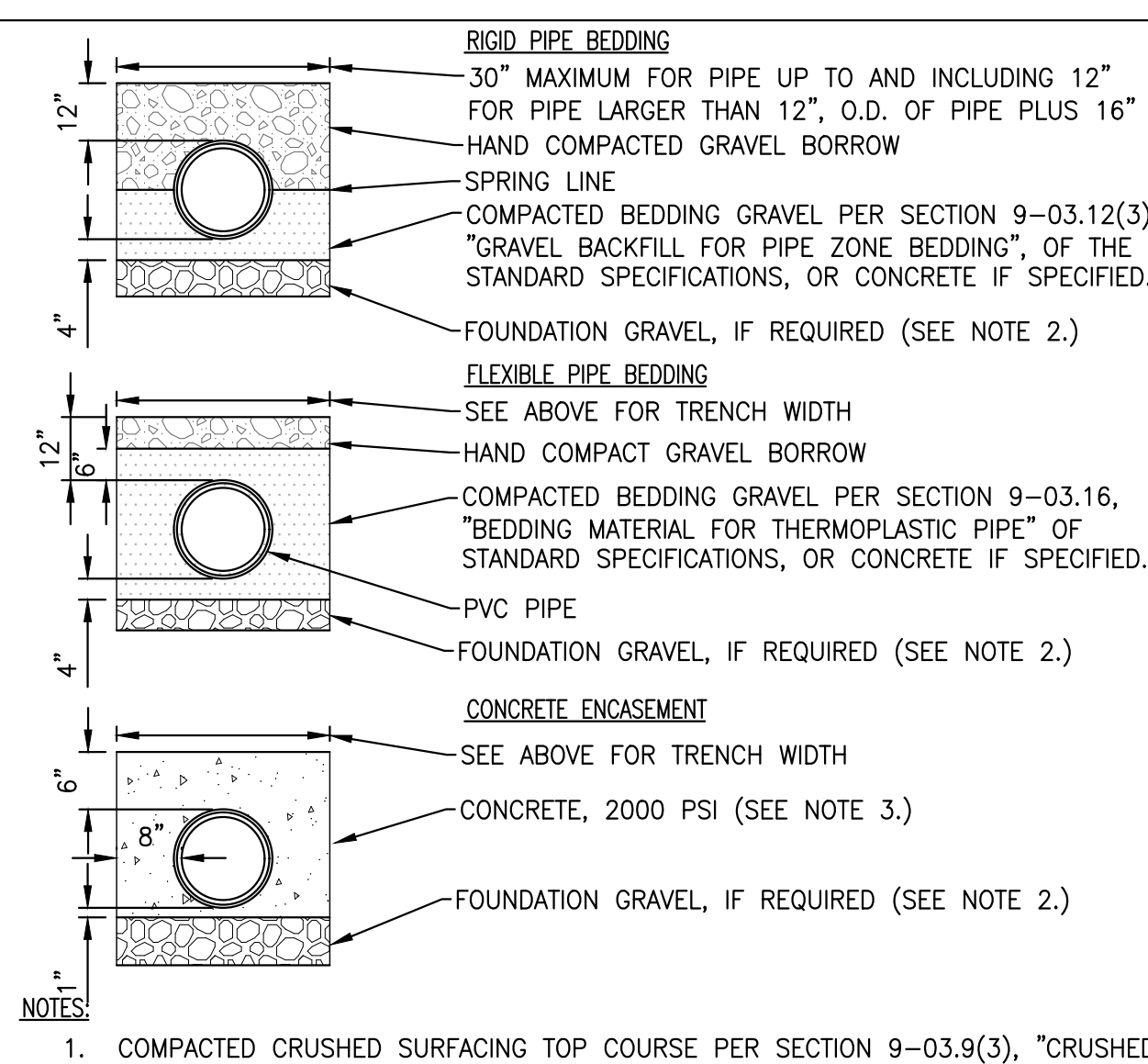
LPD engineering pllc
1932 First Ave
Suite 201
Seattle, WA 98101
p. 206.725.1211
f. 206.973.5344
www.lpdengineering.com



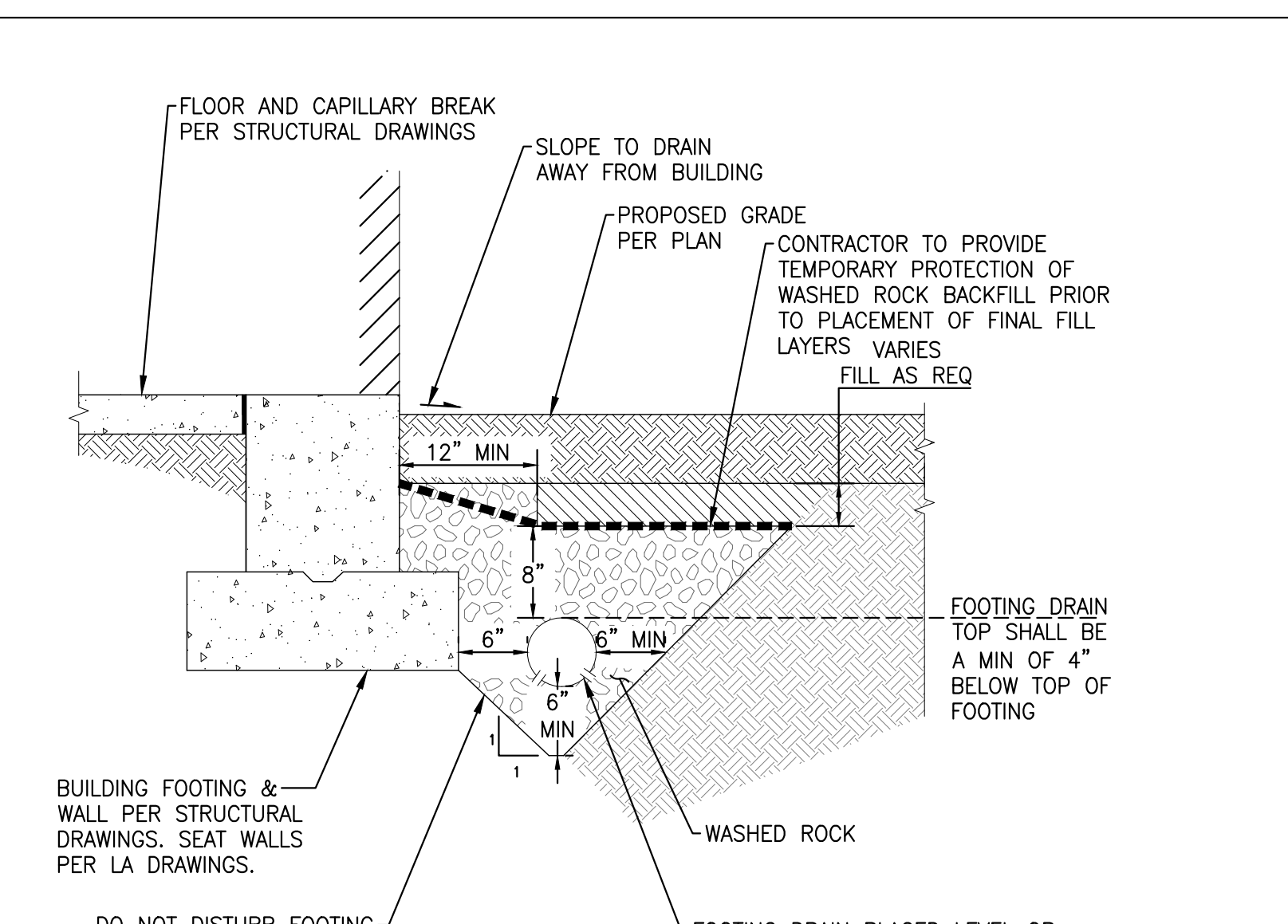
NTS 5
POOL TERRACE



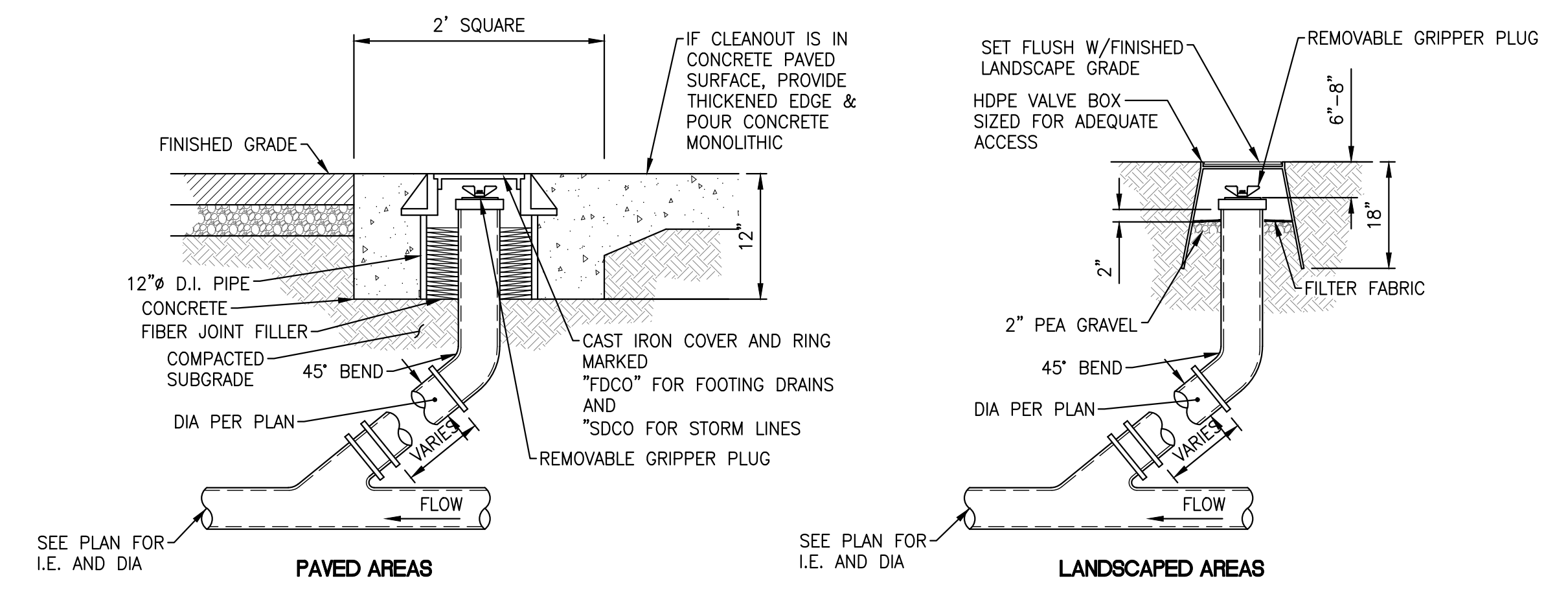
NTS 2
PIPE BEDDING



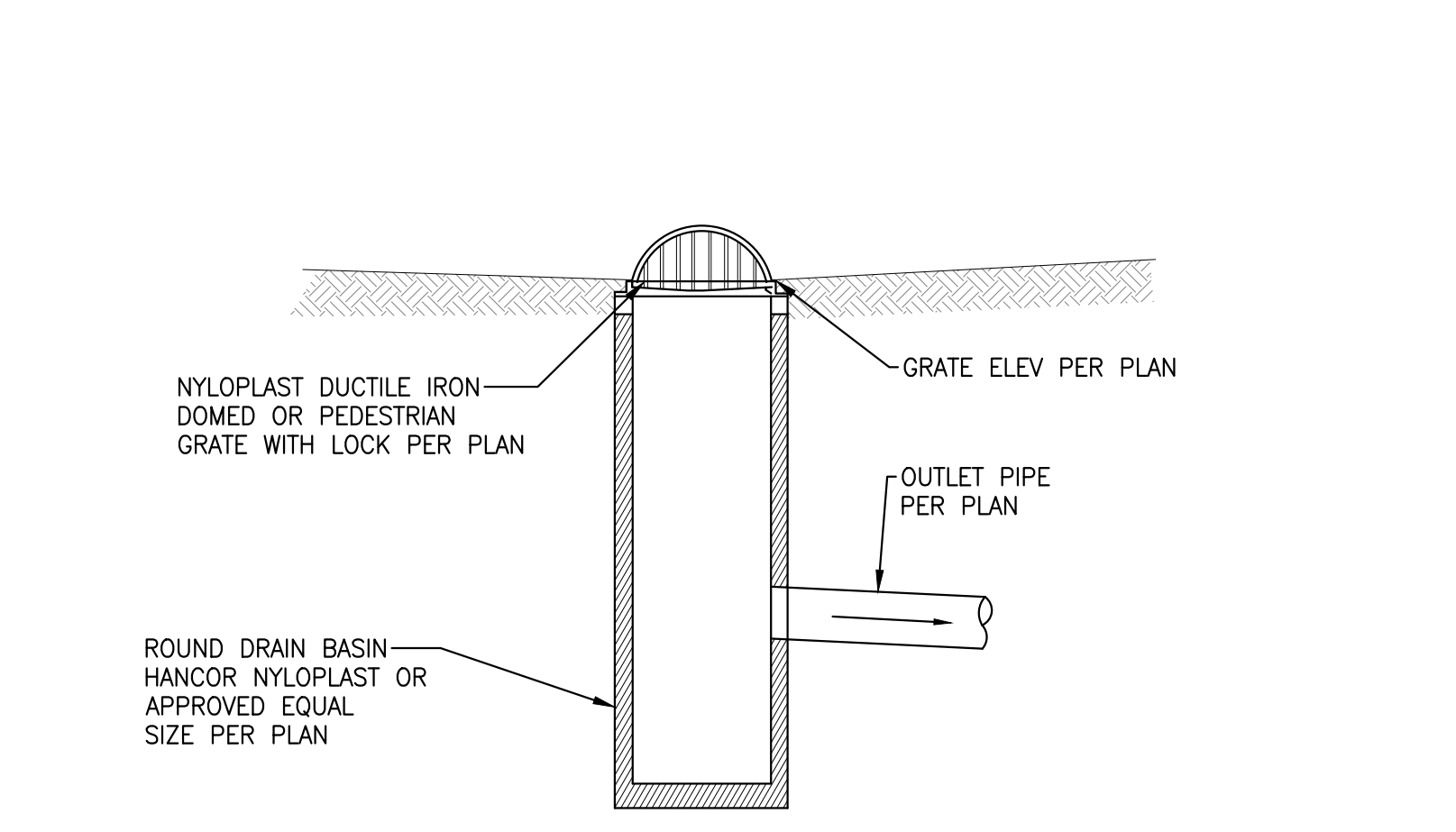
NTS 3
PIPE TRENCH



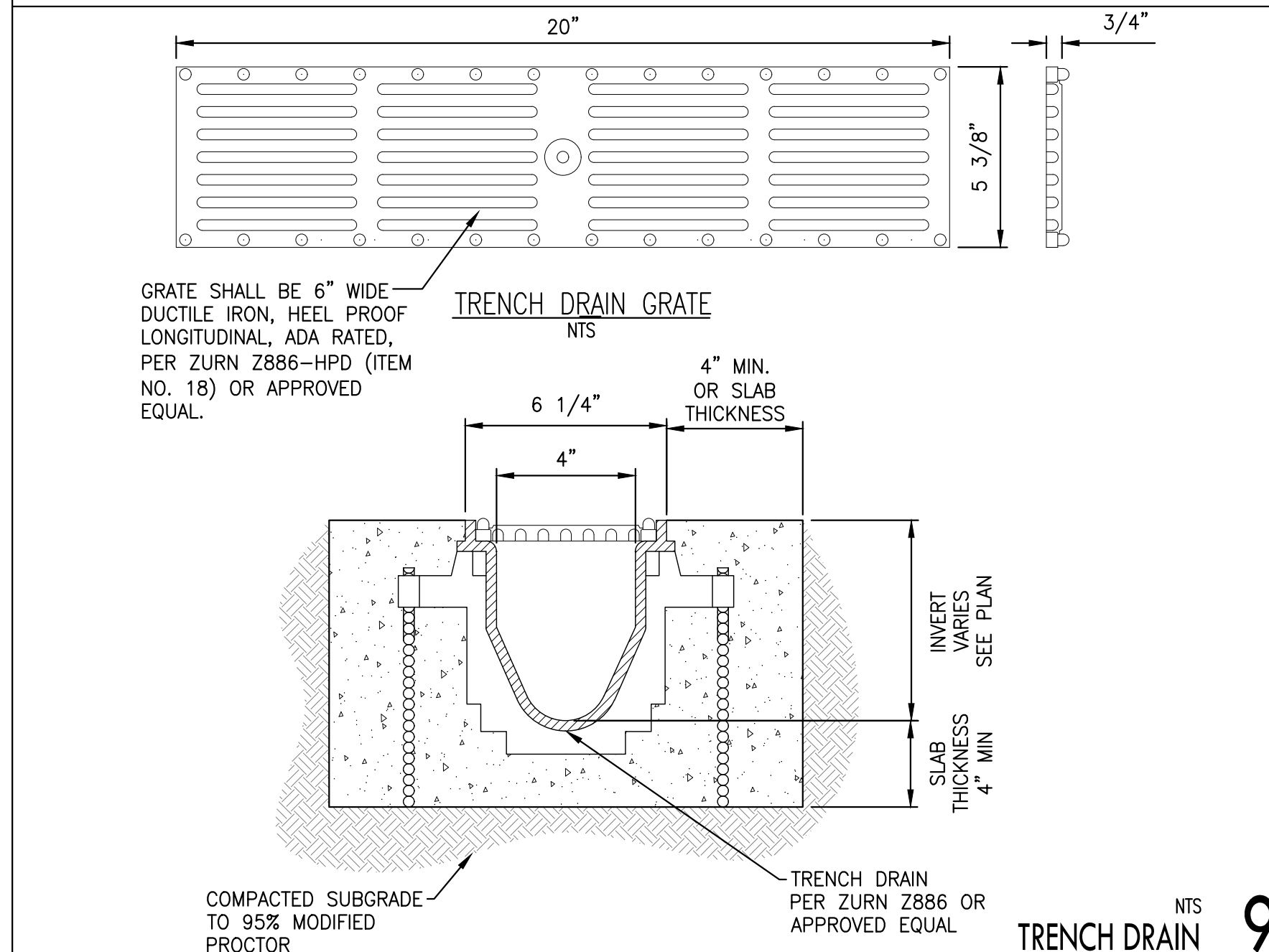
NTS 4
TYPICAL FOOTING DRAIN



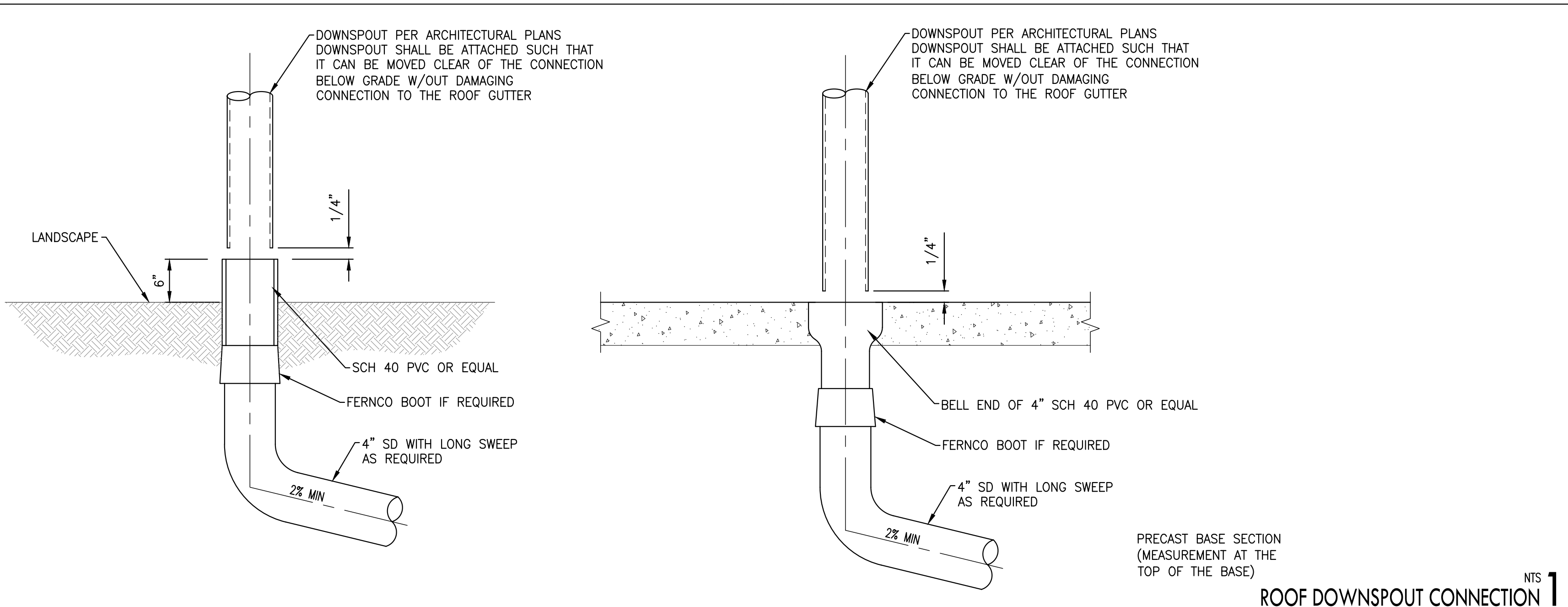
NTS 7
CLEANOUT



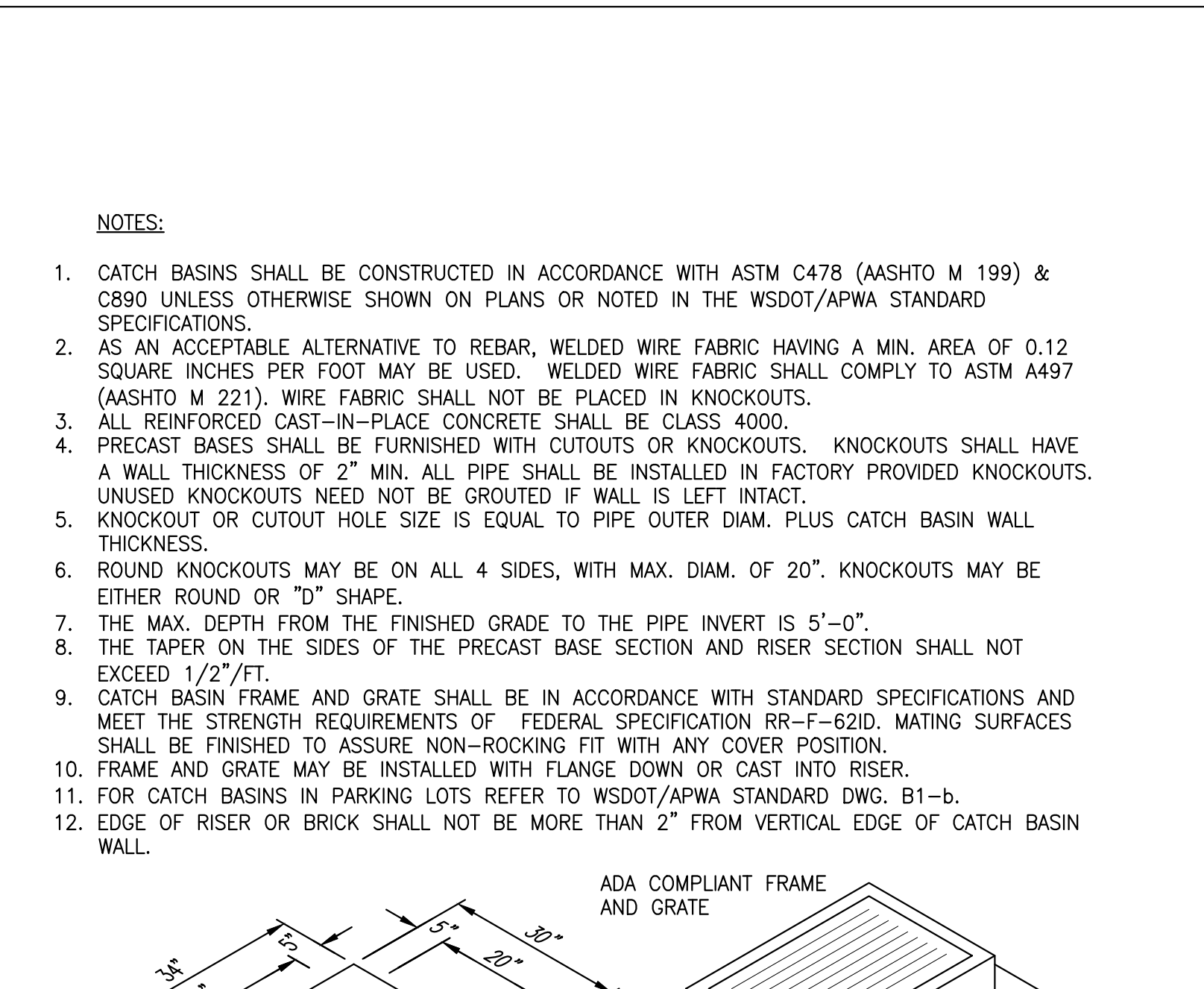
NTS 8
AREA DRAIN



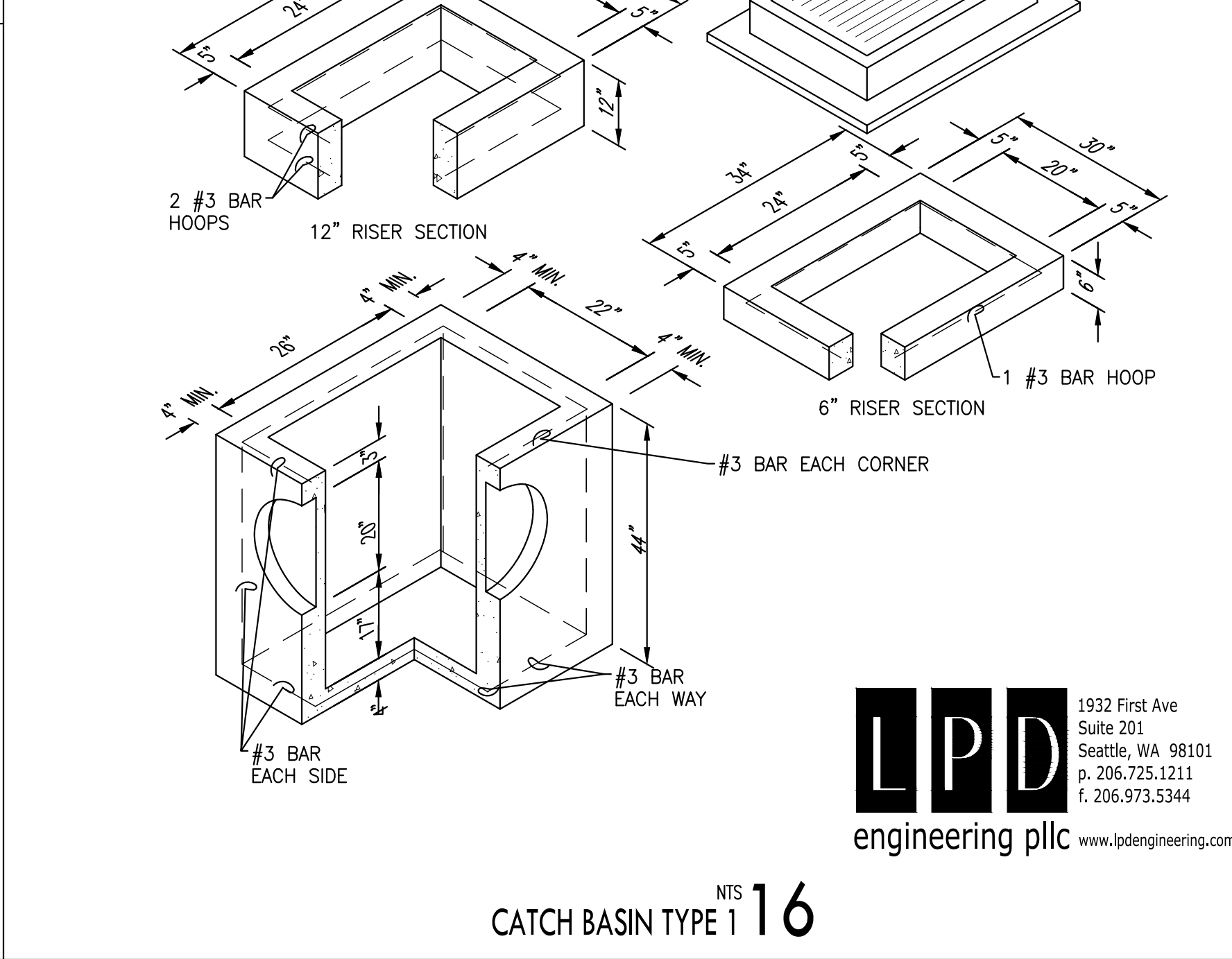
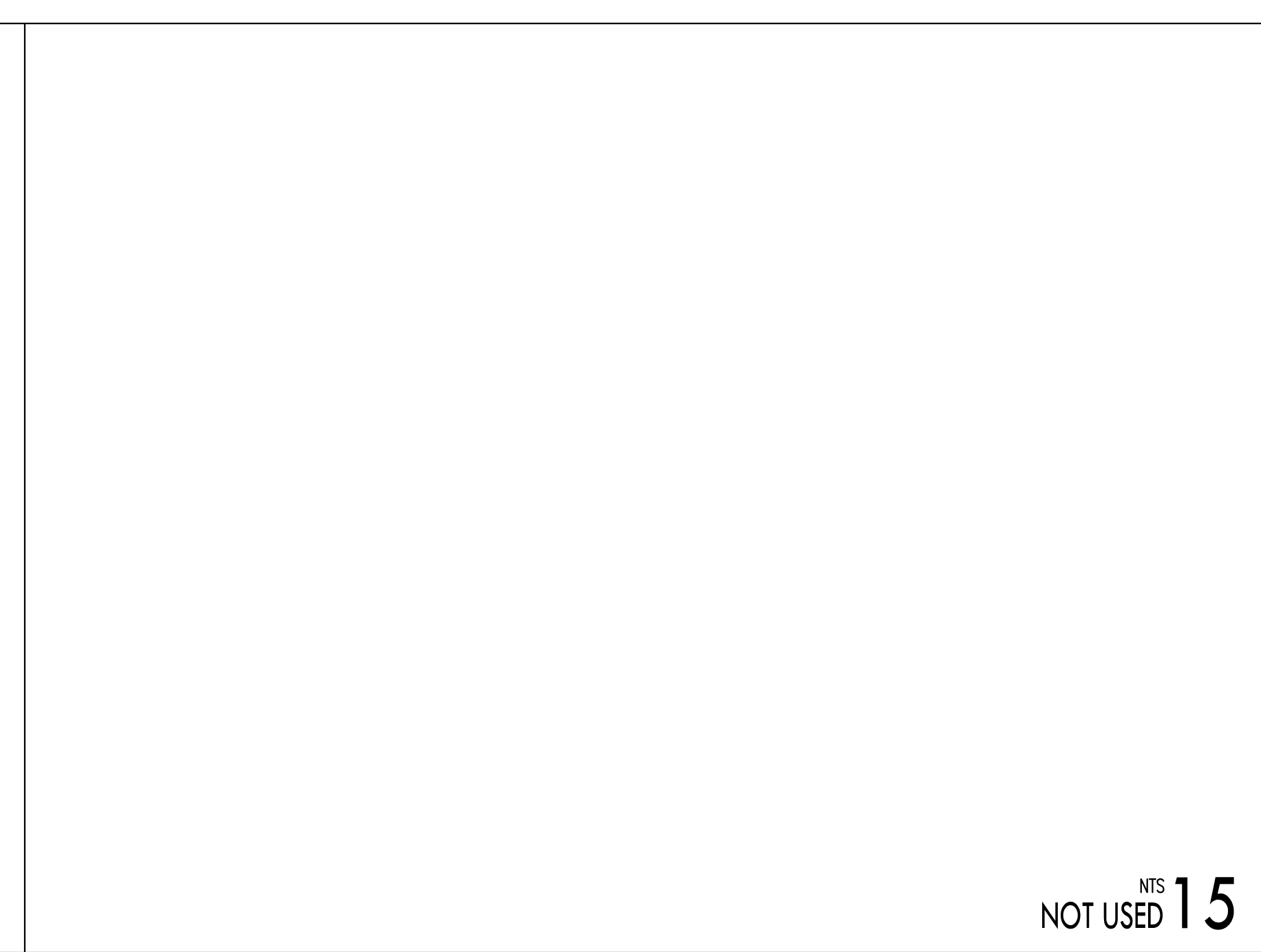
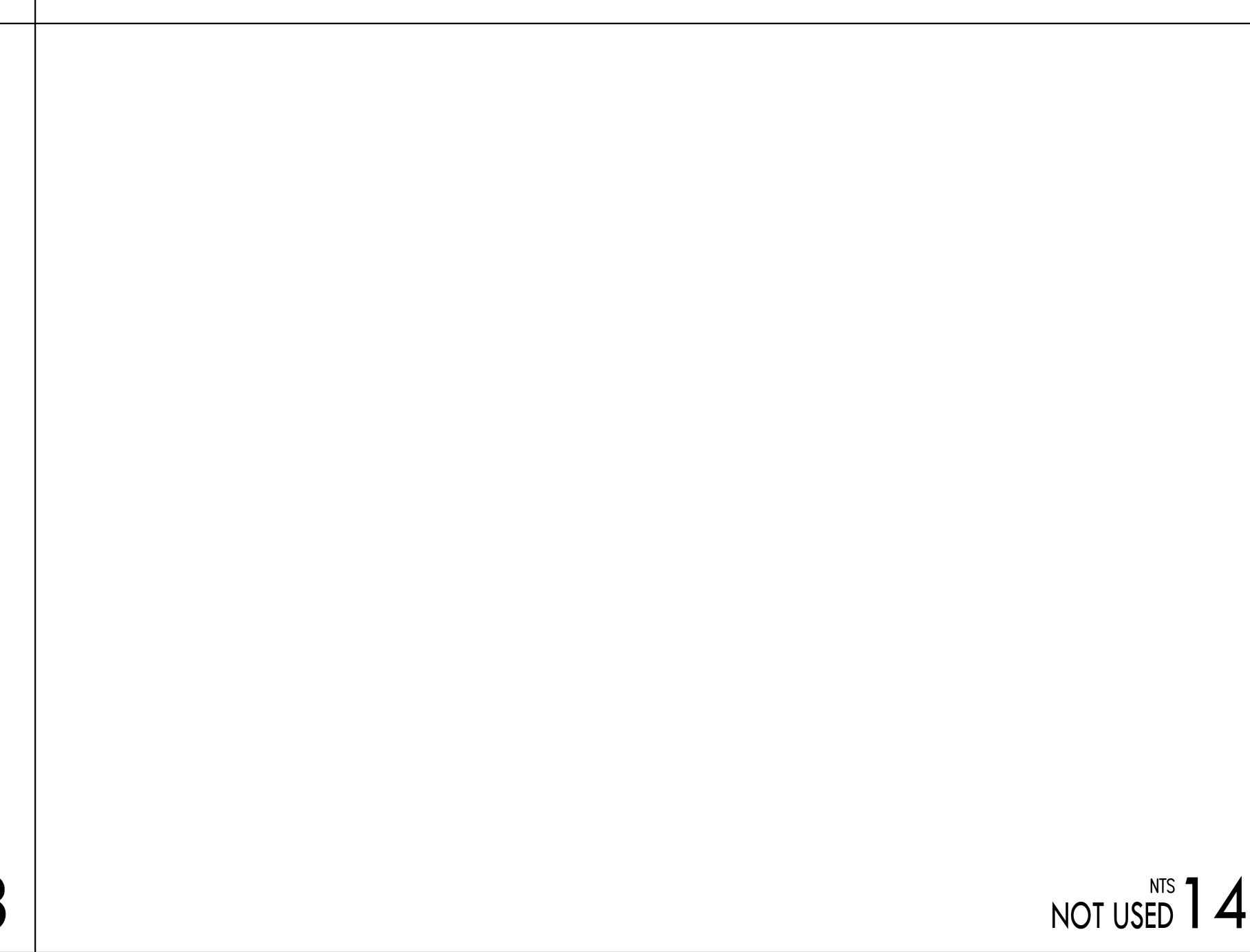
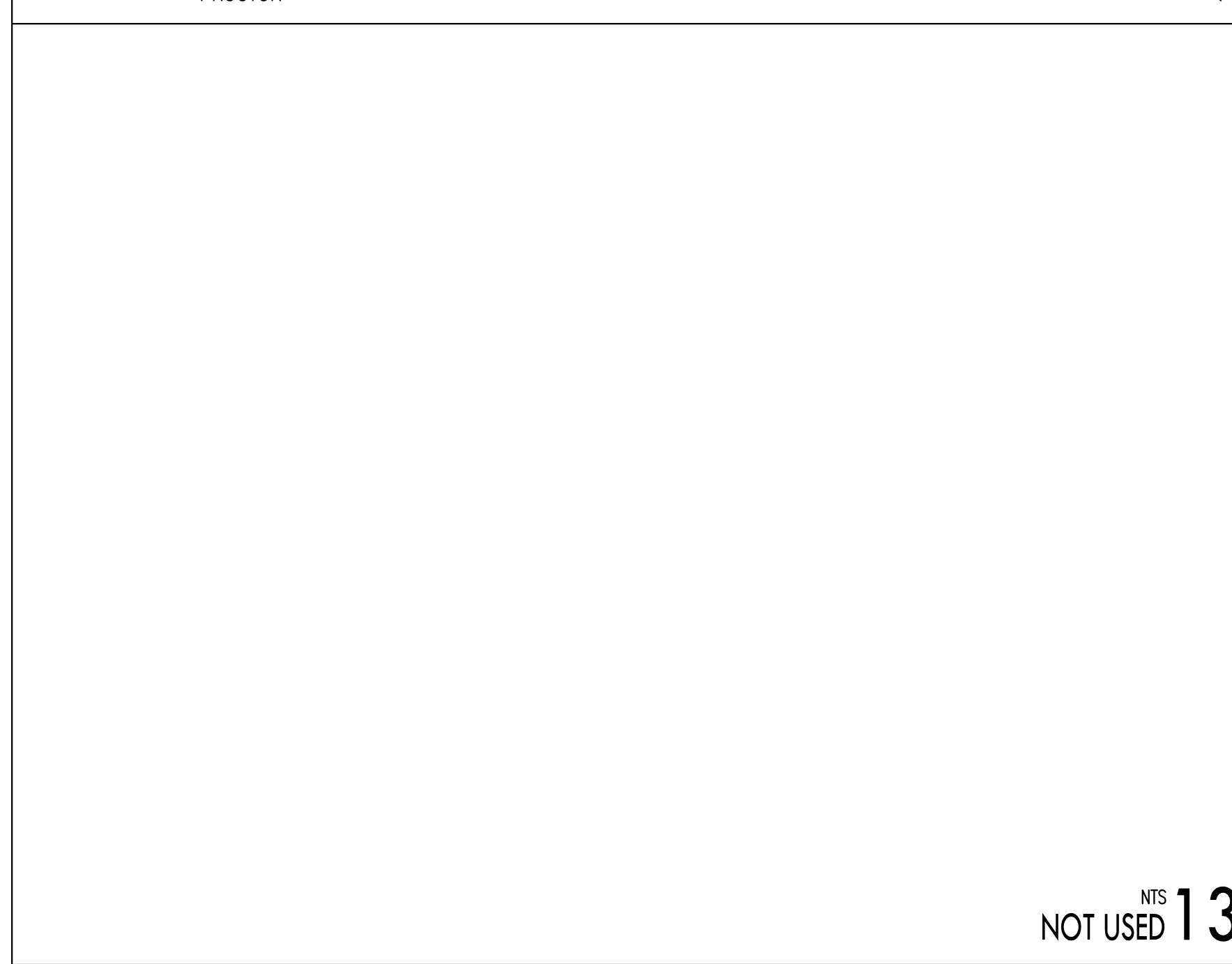
NTS 9
TRENCH DRAIN



NTS 11
ROOF DOWNSPOUT CONNECTION



NTS 16
CATCH BASIN TYPE 1



ROBERT EDSON SWAIN ARCHITECTURE + DESIGN

2300 W COMMODORE WAY SEATTLE, WA 98199

BUILDING PERMIT SUBMITTAL

LAURIE J. PEAR

STATE OF WASHINGTON

REGISTERED PROFESSIONAL ENGINEER

NO. 20222

LAKE HOUSE

3310 97TH AVE. SE

MERCER ISLAND, WA 98040

Robert Edson Swain, Inc. Seattle, Washington © 2020

PROJECT NO.: 1811

DRAWN: DATE:

ISSUE: 12-18-2020

REVISIONS DATE

PERMIT REVISION 06/09/21

POST-PERMIT 12/07/21

REVISION 1

POST-PERMIT 12/17/21

REVISION 2

POST-PERMIT 12/27/21

REVISION 1 RESUBMITTAL

POST-PERMIT 2/11/22

REVISION 2 RESUBMITTAL

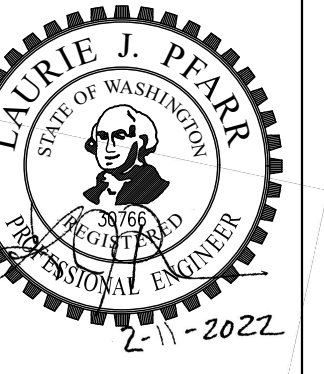
GRADING AND DRAINAGE DETAILS

C2.1

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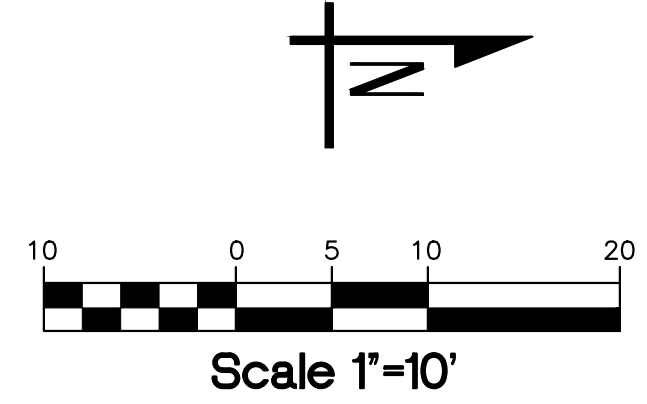
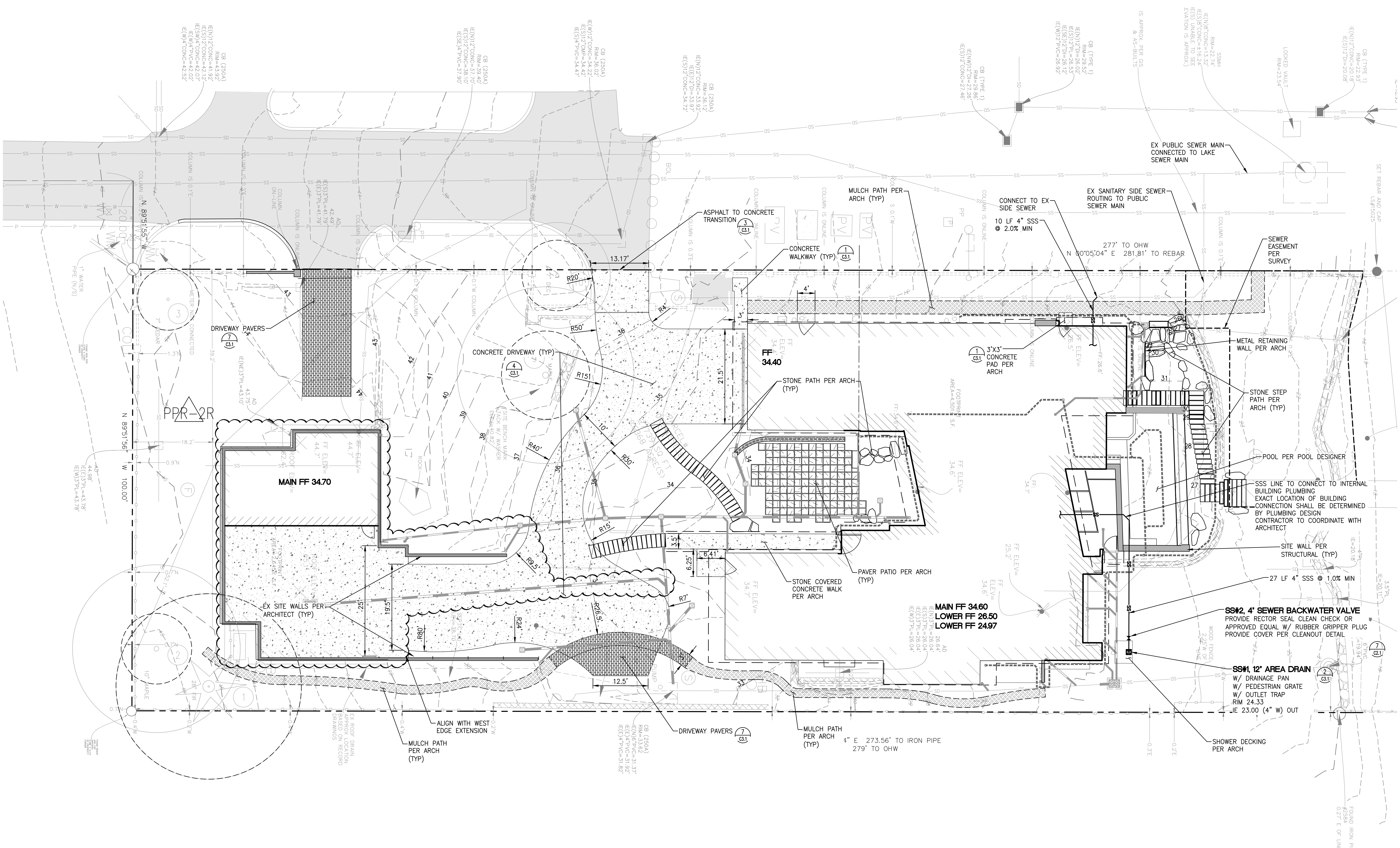


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REVISION 2	
POST-PERMIT	12/27/21
REVISION 1 RESUBMITTAL	
POST-PERMIT	2/11/22
REVISION 2 RESUBMITTAL	

PAVING AND UTILITIES
PLAN
C3.0

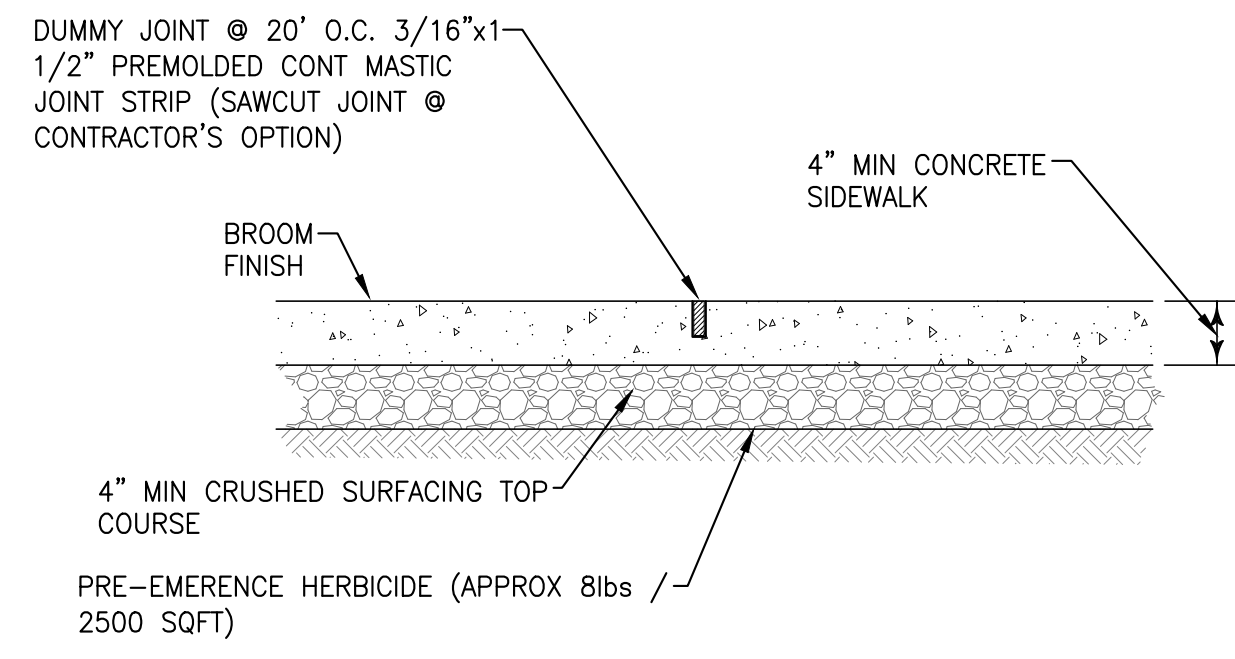
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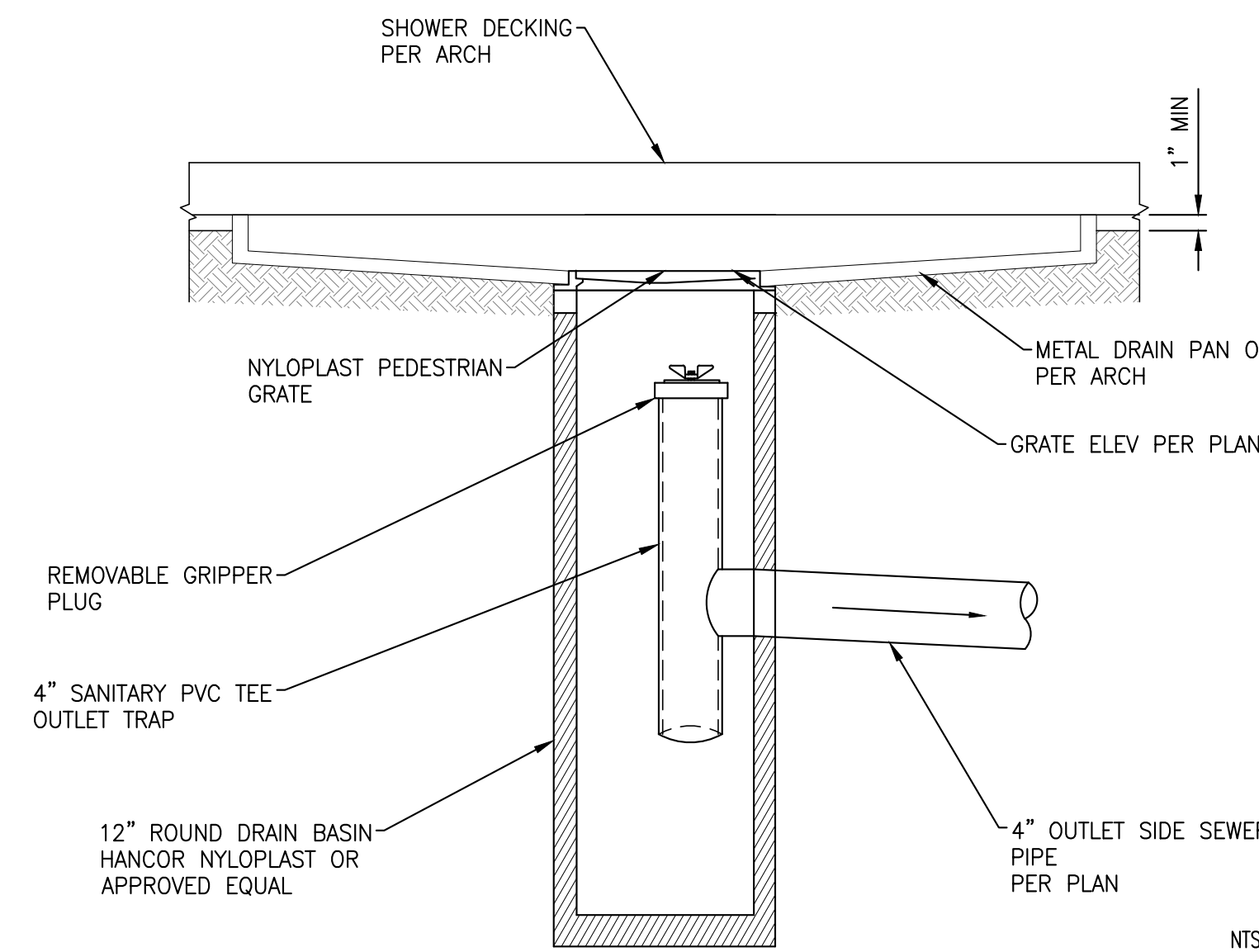
- LEGEND**
- PROPERTY LINE
 - - - EX CONTOUR (INDEX)
 - - - EX CONTOUR
 - - - PROPOSED CONTOUR (INDEX)
 - - - PROPOSED CONTOUR
 - RIDGE
 - LINE
 - SPOT ELEVATION
 - FF 780 FINISHED FLOOR ELEVATION
 - EX BUILDING
 - PROPOSED BUILDING
 - CONCRETE PAVEMENT
 - DRIVEWAY PAVERS
 - STONE TERRACE PER ARCH
 - MULCH
 - SITE WALL
 - AREA/YARD DRAIN
 - TRENCH/CHANNEL DRAIN
 - CATCH BASIN TYPE 1
 - STORM DRAINAGE PIPE
 - FOOTING/SUBSURFACE DRAIN
 - STORM DRAIN CLEANOUT
 - FOOTING DRAIN CLEANOUT
 - DOWNSPOUTS
 - SEWER BACKWATER VALVE
 - SIDE SEWER PIPE

Robert Edson Swain, Inc. Seattle, Washington © 2020

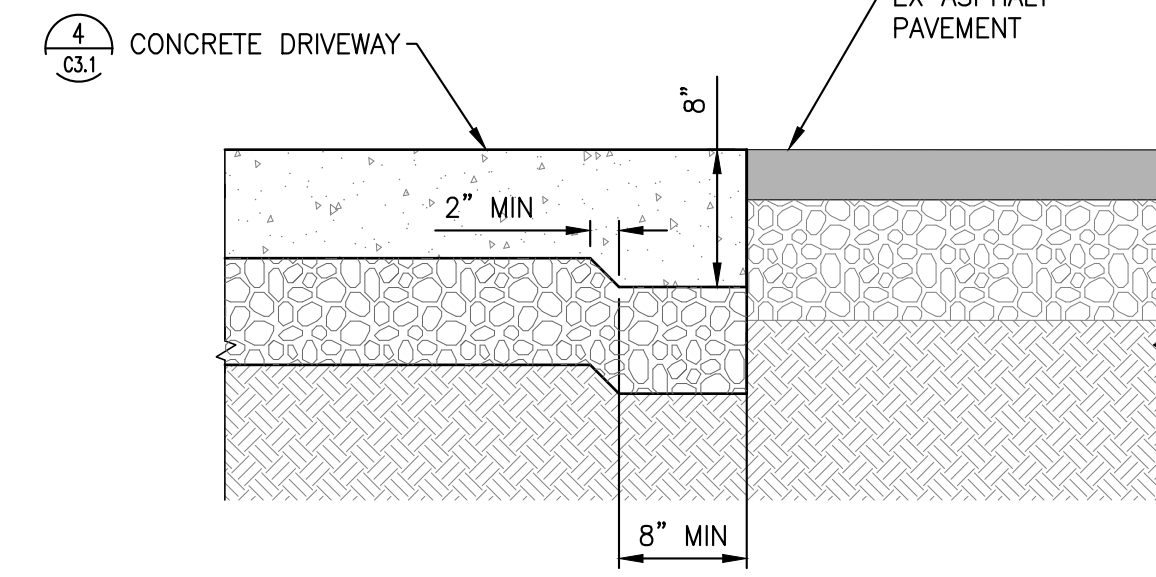


- NOTE:**
1. MINIMUM CONCRETE 3000 P.S.I (5 1/2 SACK).
 2. PLACE TOOL JOINTS @ 5' O.C. TYPICAL UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
 3. IF WALK IS OVER 7' WIDE, PLACE LONGITUDINAL SCORE JOINT. LOCATION OF LONGITUDINAL SHOULDERLINE WILL BE PROVIDED TO OWNER'S REPRESENTATIVE IN SCORING AND JOINT LAYOUT PLAN PRIOR TO CONSTRUCTION.
 4. WHERE REPLACING EXISTING WALK, START NEW WALK AT EXISTING JOINT. MATCH EXISTING SCORING PATTERN & CONCRETE FINISH.

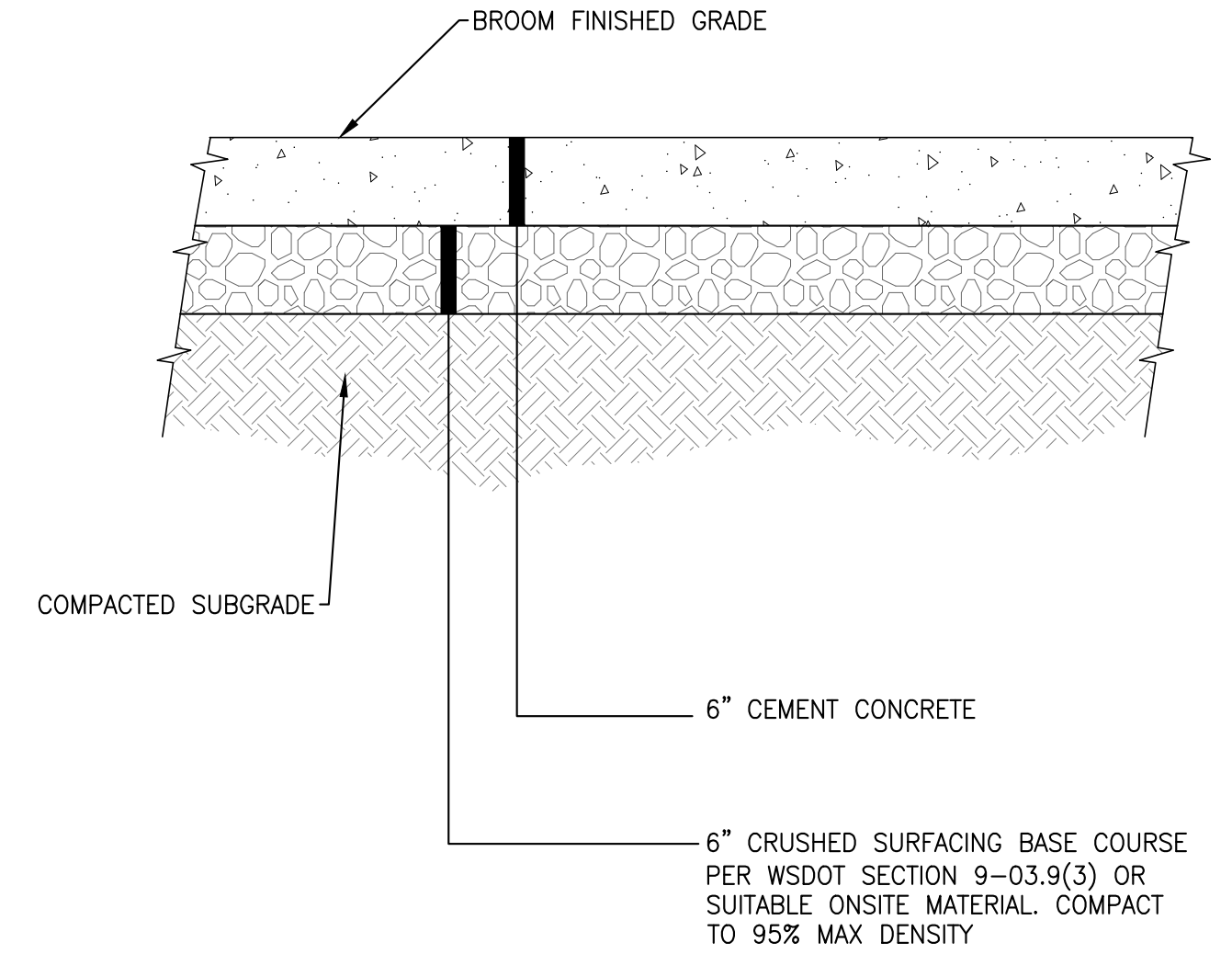
CONCRETE WALKWAY ^{NTS} 1



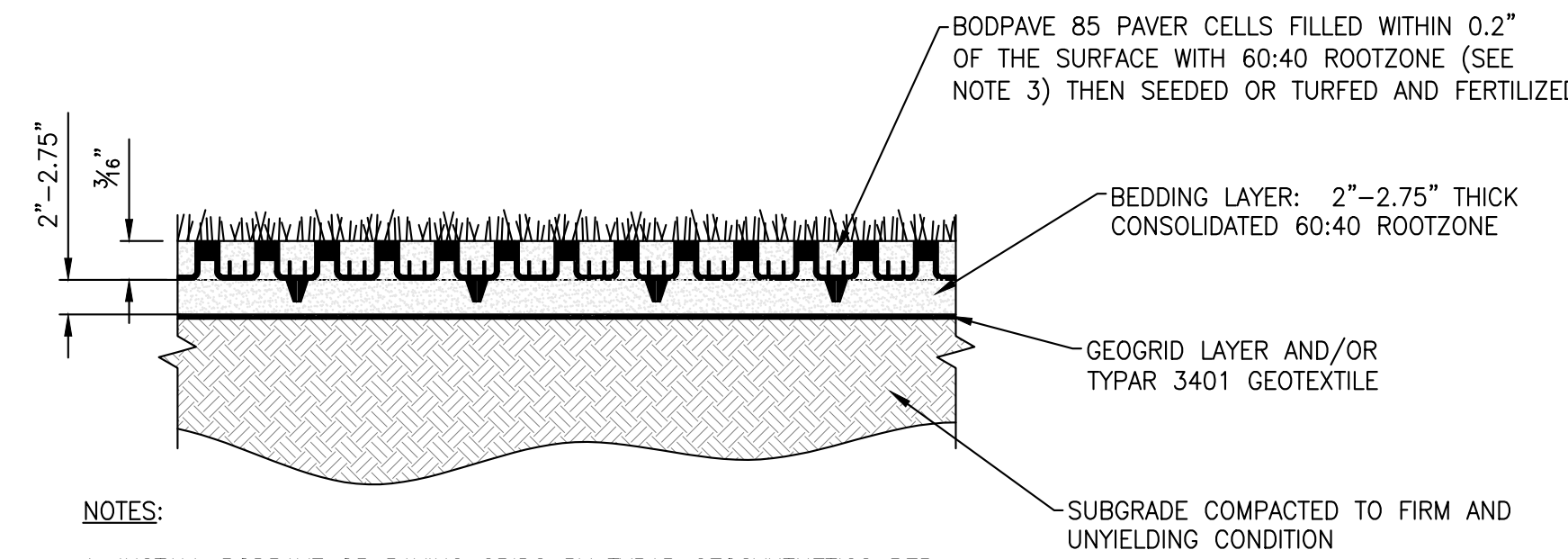
SHOWER AREA DRAIN ^{NTS} 2



ASPHALT-CONCRETE TRANSITION ^{NTS} 3



CONCRETE DRIVEWAY ^{NTS} 4



- NOTES:**
1. INSTALL BODPAVE 85 PAVING GRIDS BY TYPAR GEOSYNTHETICS PER MANUFACTURER'S RECOMMENDATIONS.
 2. DETERMINATION OF REQUIREMENT FOR PLACEMENT OF AN IMPORTED SUB-BASE FOR THE APPLICATION AND THE REQUIRED THICKNESS OF THAT SUB-BASE MATERIAL SHALL BE DETERMINED BY THE STRENGTH AND CONDITION OF THE EXISTING SOILS, THE EXTENT OF ALLOWABLE EXCAVATION AND IN CONSIDERATION OF THE PROPOSED TRAFFIC LOADINGS.
 3. ROOTZONE BEDDING AND PAVEMENT FILL MUST BE A FREE-DRAINING, STRUCTURALLY SOUND PROPRIETARY BLEND OF SAND:SOIL OR SAND:COMPOST SUCH AS USED IN SPORTS/GOLF CONSTRUCTION & NORMALLY IDENTIFIED AS A 60:40 OR 70:30 RATIO BLEND. THE USE OF SITE-WON MATERIALS OR IN-SITU SELF-BLENDING IS NOT RECOMMENDED WITHOUT FURTHER ADVICE FROM POLYMER GROUP, INC..
 4. PROVIDE ANCHORING AS NECESSARY PER MANUFACTURER'S RECOMMENDATIONS. MAXIMUM ADVISED GRADIENT FOR TRAFFIC APPLICATIONS: 1.2%. BODPAVE 85 HAS SPECIFIC PEGGING POINTS IF REQUIRED FOR STEEP SLOPE APPLICATIONS. PEGGING IS NOT NECESSARY FOR STANDARD ACCESS ROUTE APPLICATIONS.

DRIVEWAY PAVERS ^{NTS} 7

MERCER ISLAND UTILITY NOTES

1. ALL STAGING AND STORAGE SHALL OCCUR ON SITE.
2. A REDUCED PRESSURE BACKFLOW ASSEMBLY (RPBA) INSTALLATION SHALL BE REQUIRED AND INSTALLED 12 INCHES ABOVE GRADE BEHIND THE WATER METER FOR ALL NEW AND DEMO REBUILD SINGLE FAMILY, LAKEFRONT PROJECTS. THE RPBA SHALL BE INSPECTED AT TIME OF INSTALLATION AND AT BUILDING FINAL. (A HOT BOX TO PROTECT THE RPBA ASSEMBLY IS OPTIONAL. A DOUBLE CHECK VALVE ASSEMBLY (DCVA) IS REQUIRED ON ALL FIRE SPRINKLER SYSTEMS.)
3. POT HOLEING 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.
4. DO NOT BACKFILL WITH NATIVE MATERIAL ON PUBLIC RIGHT OF WAY. ALL MATERIAL MUST BE IMPORTED.
5. REFER TO WATER SERVICE PERMIT FOR ACTUAL LOCATION OF NEW WATER METER AND SERVICE LINE DETERMINED BY MERCER ISLAND WATER DEPARTMENT.
6. THE EXISTING WATER SERVICE MUST BE ABANDONED AT THE CITY WATER MAIN WHEN A NEW SERVICE IS INSTALLED. THE HOMEOWNER IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH THE ABANDONMENT OF THE EXISTING WATER SERVICE.
7. NO ADS FLEXIBLE PIPE SHALL BE ALLOWED.
8. SAND COLLARS ARE REQUIRED FOR GROUTING PVC PIPE TO CONCRETE STRUCTURES. THIS ALSO APPLIES TO ADS N-12 PIPES AND HDPE PIPES.
9. OWNER SHALL CONTROL DISCHARGE OF SURFACE DRAINAGE RUNOFF FROM EXISTING AND NEW IMPERVIOUS AREAS IN A RESPONSIBLE MANNER. CONSTRUCTION OF NEW CUTTERS AND DOWNSPOUTS, DRY WELLS, LEVEL SPREADERS OR DOWNSLOPE CONVEYANCE PIPE MAY BE NECESSARY TO MINIMIZE DRAINAGE IMPACT TO YOUR NEIGHBORS. CONSTRUCTION OF MINIMUM DRAINAGE IMPROVEMENTS SHOWN OR CALLED OUT ON THE PLAN DOES NOT IMPLY RELIEF FROM CIVIL LIABILITY FOR YOUR DOWNSLOPE DRAINAGE.
10. THE CONTRACTOR MUST POT HOLE ALL UTILITIES PRIOR TO MAKING CONNECTIONS TO VERIFY MATERIAL, DIAMETER, ALIGNMENTS, ETC. PRIOR TO MAKING CONNECTIONS, CONTRACTOR SHALL HAVE ALL NECESSARY PARTS, MATERIALS AND EQUIPMENT ON SITE. CONTACT SITE & UTILITIES INSPECTOR TO VERIFY.
11. 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.
12. 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 BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED.
13. INFORM THE MERCER ISLAND CITY SITE/UTILITY INSPECTOR AT 206.275-7714 OF THE ANTICIPATED START DATE OF IN-WATER WORK PRIOR TO COMMENCEMENT OF CONSTRUCTION.
14. FIELD LOCATE THE SEWER MAIN (LAKELINE) UNDERLYING THE LAKEBED AND MARK CLEARLY PRIOR TO THE START OF CONSTRUCTION. CONTACT THE MERCER ISLAND SITE/UTILITY INSPECTOR AT 206.275-7714 FOR AVAILABLE INFORMATION ABOUT THE LAKELINE AND ASSISTANCE WHERE POSSIBLE WITH IDENTIFYING THE GENERAL LOCATION OF THE LAKELINE PRIOR TO CONSTRUCTION. GIS MAPPING MAY BE AVAILABLE BY CALLING 206.236-3471. THE APPLICANT SHALL BE RESPONSIBLE OF ANY DAMAGE TO SAID SEWER MAIN RESULTING FROM CONSTRUCTION.

UTILITY NOTES ^{NTS} 12

NOT USED ^{NTS} 5

NOT USED ^{NTS} 6

NOT USED ^{NTS} 9

NOT USED ^{NTS} 10

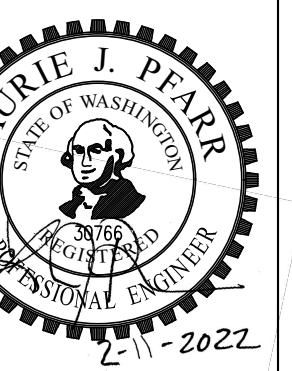
NOT USED ^{NTS} 11

NOT USED ^{NTS} 13

NOT USED ^{NTS} 14

NOT USED ^{NTS} 15

NOT USED ^{NTS} 16



PROJECT NO.:	1811
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	12-18-2020
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PERMIT REVISION 060921	
POST-PERMIT	12/07/21
REVISION 1	
POST-PERMIT	12/17/21
REVISION 2	
POST-PERMIT	12/27/22
REVISION 1 RESUBMITTAL	
POST-PERMIT	2/11/22
REVISION 2 RESUBMITTAL	

LEGEND

- PROPERTY LINE
- SETBACK
- ORDINARY HIGH WATER MARK
- BUILDING EXTERIOR WALL OUTLINE
- EASEMENT
- (E) CONTOUR LINES
- 30
- ROOF AREA
- SKYLIGHTS
- STONE PAVER
- WOOD DECK
- CONCRETE SURFACE
- ROCK RETAINING WALL

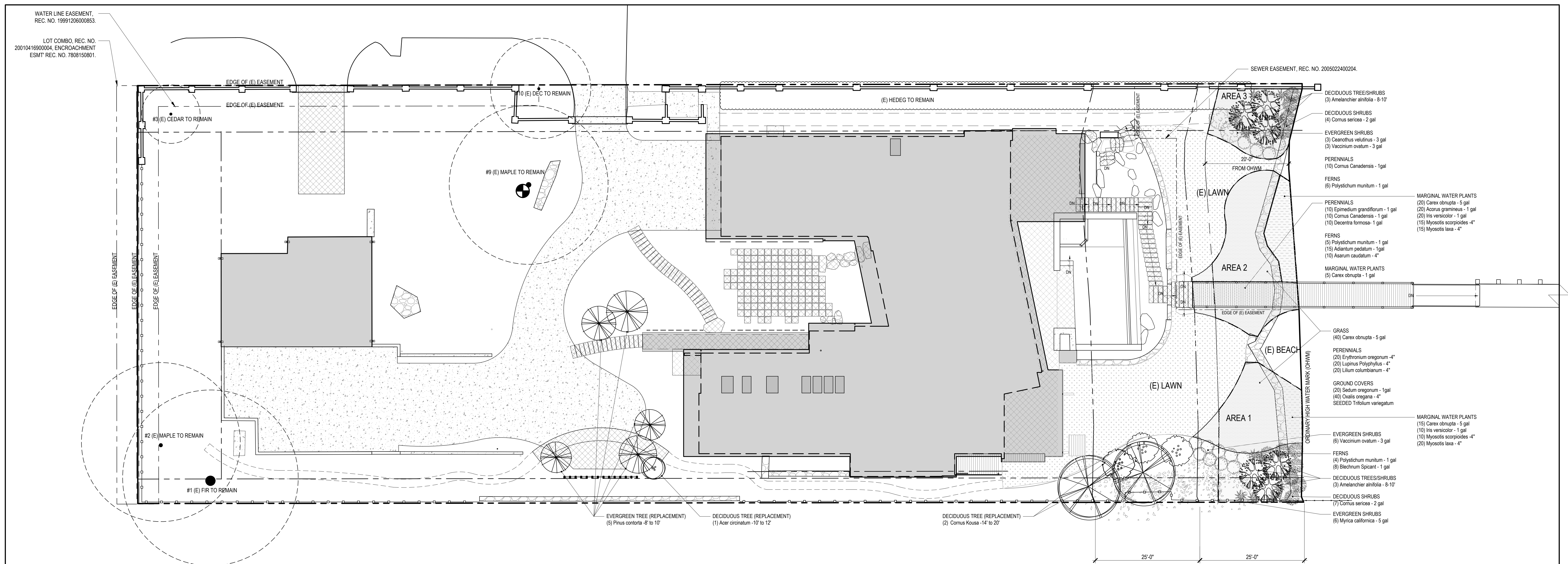
(E) TREE TO REMAIN

SHORELINE PLANT AND REPLACEMENT PLANT LIST:

Quantity	Group/Abbreviation	Latin Name	Common Name	Size	REMARKS
1	Deciduous Trees	<i>Acer circinatum</i>	Vine Maple - multi-stem	10-12"	REPLACEMENT TREE
6	Deciduous Trees	<i>Amelanchier alnifolia</i>	Service berry	8-10"	3 FOR REPLACEMENT
2	Deciduous Trees	<i>Cornus kousa</i>	Kousa Dogwood	16'-20"	REPLACEMENT TREE
2	Evergreen Trees	<i>Pinus contorta</i>	Shore Pine	10-12"	REPLACEMENT TREES
Shrubs					
3	Shrubs	<i>Ceanothus velutinus</i>	Snowbrush	3 gal.	
11	Shrubs	<i>Cornus sericea</i>	Red-twig dogwood	2 gal.	
9	Shrubs	<i>Vaccinium ovatum</i>	Evergreen Huckleberry	5 gal.	
6	Shrubs	<i>Myrica californica</i>	Pacific wax myrtle	5 gal.	
Perennials					
10	Perennials	<i>Epimedium grandiflorum</i>	Bishop's hat	1 gal.	
10	Perennials	<i>Cornus canadensis</i>	Bunchberry	1 gal.	
20	Perennials	<i>Erythronium oregonum</i>	White Fawn Lily	1 gal.	
10	Perennials	<i>Dicentra formosa</i>	Pacific Bleeding Heart	1 gal.	
20	Perennials	<i>Lilium columbianum</i>	Tiger Lily	4"	
20	Perennials	<i>Lupinus Polyphyllus</i>	Large Leaved Lupine	4"	
Grasses					
40	Grasses	<i>Carex obnupta</i>	Slough Sedge (3-4')	5 gal.	
Fern					
15	Fern	<i>Adiantum pedatum</i>	Western Maidenhair Fern	1 gal.	
18	Fern	<i>Athyrium filix-femina</i>	Lady Ferns	1 gal.	
15	Fern	<i>Polystichum munium</i>	Sword Fern	5 gal.	
Marginal Water Plants					
20	Marginal Water Plants	<i>Acorus gramineus</i>	Green Acorus (1')	1 gal.	
40	Marginal Water Plants	<i>Carex obnupta</i>	Slough Sedge (3-4')	5 gal.	
30	Marginal Water Plants	<i>Iris versicolor</i>	Versicolor Blue Iris (1-3')	1 gal.	
35	Marginal Water Plants	<i>Myosotis laxa</i>	Small Forget-me-not	4"	
25	Marginal Water Plants	<i>Myosotis scorpioides</i>	Common Forget-me-not	4"	
Groundcovers					
10	Groundcovers	<i>Asarum caudatum</i>	Wild Ginger	4"	
40	Groundcovers	<i>Oxalis oregona</i>	Wood Sorrel	4"	
20	Groundcovers	<i>Sedum oregonum</i>	Oregon Stonecrop	1 gal.	
20	Groundcovers	<i>Trifolium variegatum</i>	White-tip cover		SEEDED

NATIVE VEGETATION COVERAGE IN 20' FROM OHWM:

AREA 1: 588 SF
 AREA 2: 625 SF
 AREA 3: 291 SF
 TOTAL: 1,504 SF
 AREA OF FIRST 20' FROM OHWM: 2,000 SF
 NATIVE VEGETATION COVERAGE: 1,504/2,000 = 75.2%



1 SHORELINE PLANTING AND TREE REPLACEMENT PLAN
 1" = 10'-0"

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ARCHITECTURE + DESIGN

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6241 REGISTERED ARCHITECT
 ROBERT EDSON SWAIN
 STATE OF WASHINGTON

BUILDING PERMIT SUBMITTAL

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 MERCER ISLAND, WA 98040
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PROJECT NO.:	1811
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BUILDING CORRECTIONS	06/07/21
LAND USE & CIVIL CORRECTIONS	06/11/21
BUILDING CORRECTIONS	07/08/21
BUILDING CORRECTIONS	07/26/21
POST-PERMIT REVISIONS	12/17/21

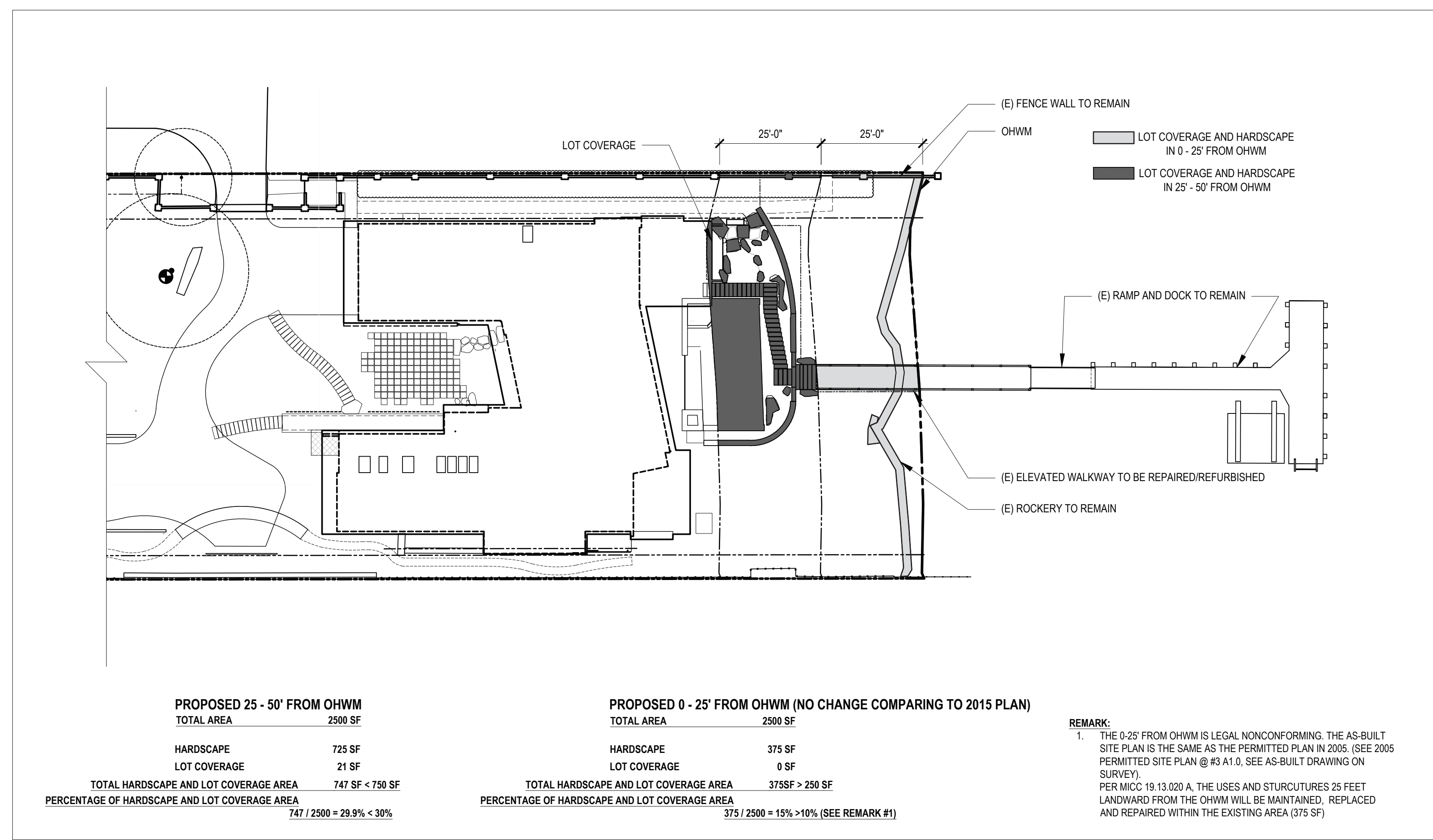
PLANTING PLAN
L1.01

LEGEND

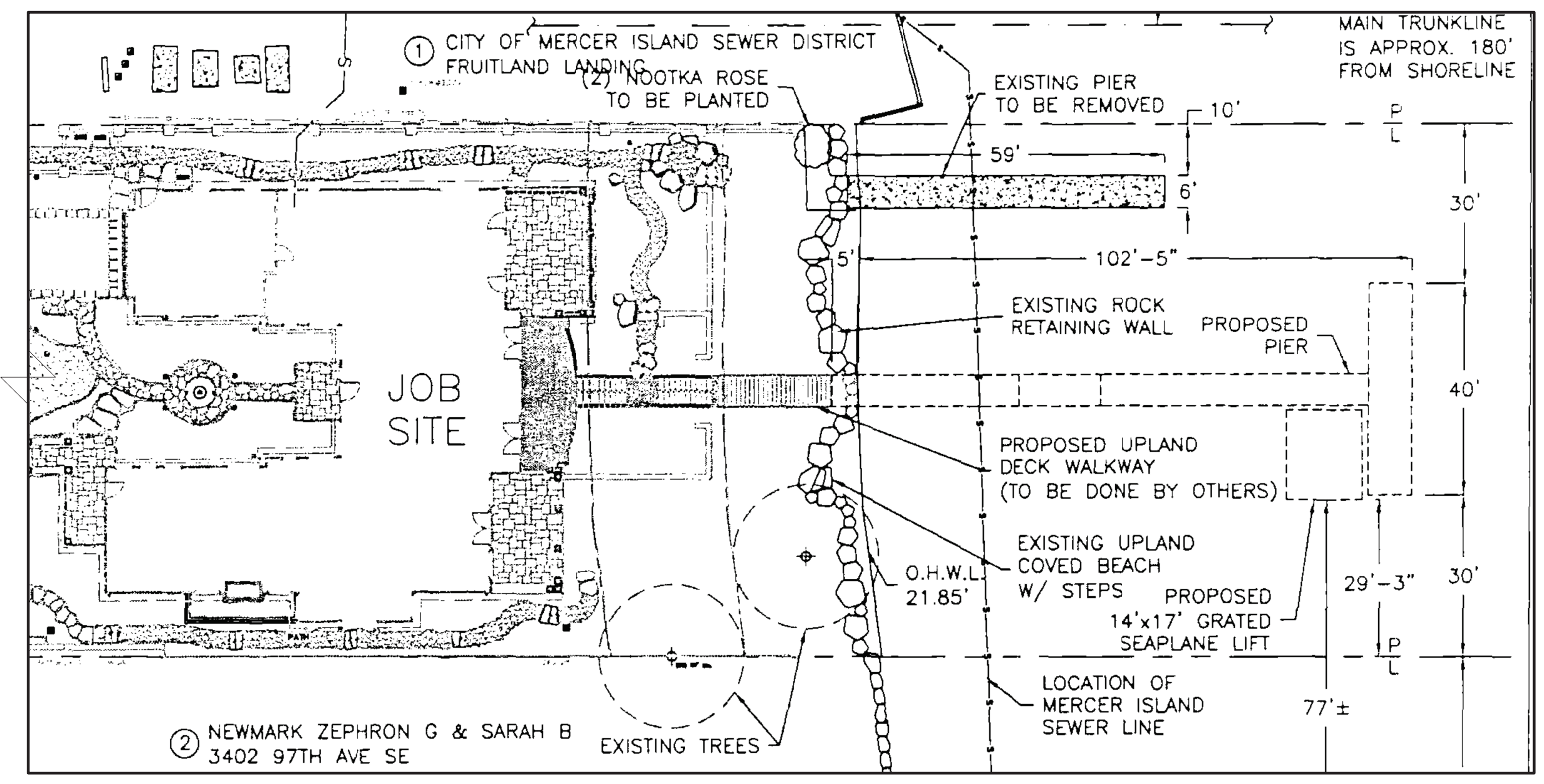
	PROPERTY LINE
	SETBACK
	ORDINARY HIGH WATER MARK
	BUILDING EXTERIOR WALL OUTLINE
	EASEMENT
	(E) CONTOUR LINES
	ROOF AREA
	SKYLIGHTS
	STONE PAVER
	WOOD DECK
	CONCRETE SURFACE
	ROCK RETAINING WALL

(E) TREE TO REMAIN

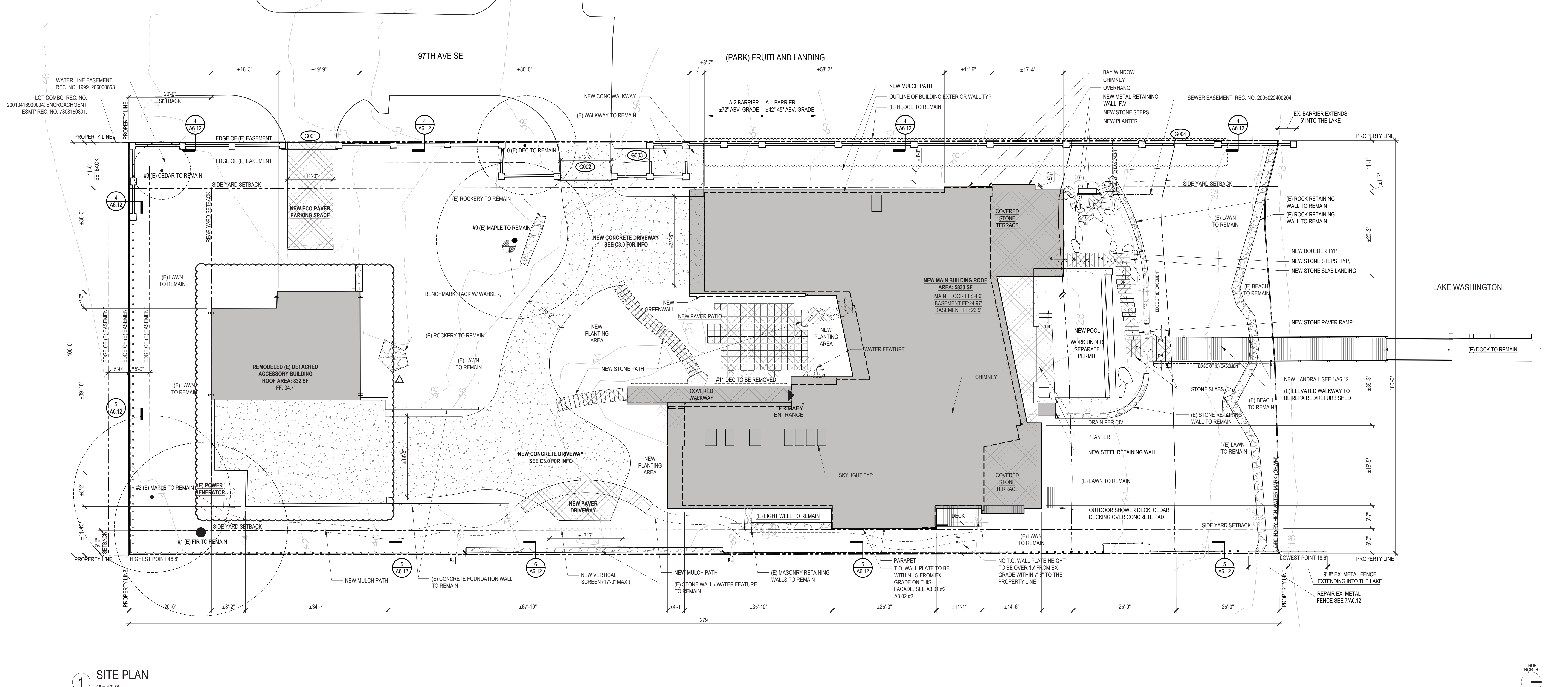
- SITE PLAN NOTES**
- DO NOT SCALE THE DRAWING FOR DIMENSIONS. 1.1 CONTRACTOR WILL CHECK ALL DIMENSIONS ON SITE. 1.2 ARCHITECT WILL BE INFORMED OF ALL DISCREPANCIES IN DIMENSION.
 - THE PROJECT IS EXEMPTED FROM SHORELINE PERMIT PER WAC 173-27-040 (2)(G) AND MICC 19.13.010 (B).
 - EXISTING FENCE AND DOCK TO REMAIN.
 - NO LARGE TREES (CALIPER DIA. OVER 10" JAND) EXCEPTIONAL TREES TO BE REMOVED.
 - LOT AREA = 27739 SF, SITE SLOPE = (46.8-18.6)/279 = 10.1%. SEE SURVEY FOR DETAILED INFORMATION.
 - SEE CIVIL DRAWINGS FOR PROPOSED GRADING, DRAINAGE AND SITE DEMOLITION INFORMATION.
 - SEE T2.02 FOR LOT COVERAGE AND HARDSCAPE CALCULATIONS AND DIAGRAMS.
 - REFER TO SURVEY FOR PROPERTY LINE DIMENSIONS AND BEARINGS, AND ROADWAY WIDTH ETC.
 - BENCHMARK POINT TO BE UNDISTURBED DURING CONSTRUCTION.
 - RESERVED.
 - TREE REMOVAL PER TREE PERMIT #2103-187.



2 HARDSCAPE AND LOT COVERAGE CALCULATION IN SHORELINE SETBACKS
1" = 20'-0"



3 2005 PERMITTED SITE PLAN
1" = 20'-0"



1 SITE PLAN
1" = 10'-0"

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6241 REGISTERED ARCHITECT
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BUILDING PERMIT SUBMITTAL

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△ LAND USE & CIVIL	06/11/21
△ CORRECTIONS	
△ BUILDING	07/08/21
△ CORRECTIONS	
△ BUILDING	07/26/21
△ CORRECTIONS	
△ POST-PERMIT	12/17/21
△ REVISIONS	

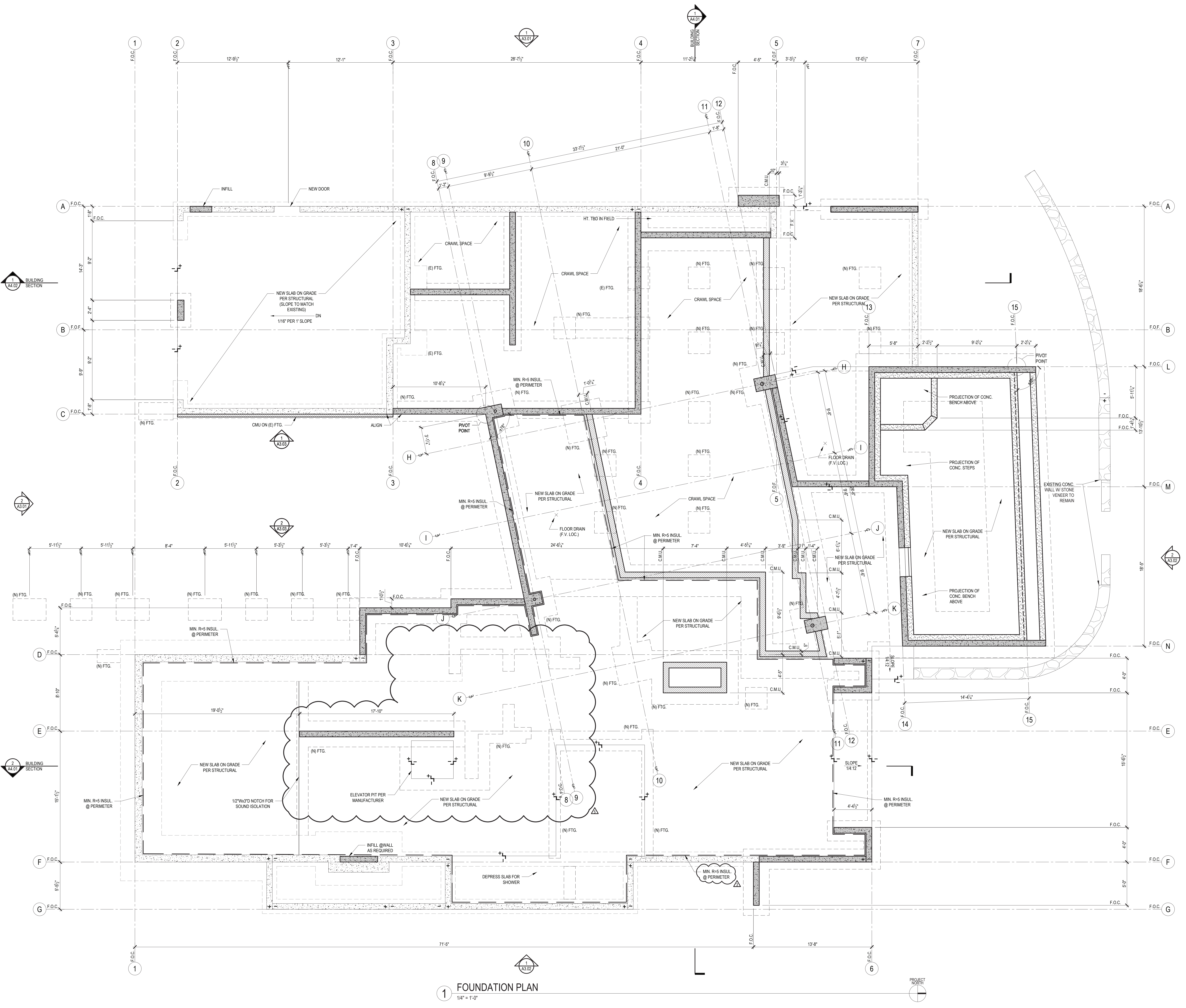
SITE PLAN
A1.01

LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- EXISTING CONCRETE WALL TO REMAIN
- EXISTING STONE VENEER
- NEW WOOD FRAMING WALL
- TO BE REMOVED
- CRAWLSPACE
- DOOR ID TAG
- WINDOW ID TAG
- VENTILATION ID
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- SMOKE & CARBON MONOXIDE COMBINED DETECTOR
- GRIDLINE
- EXTERIOR ELEVATION ID
- SECTION ID

NOTES

- ALL DIMENSIONS TO FACE OF CONCRETE OR FRAMING U.N.O.
- ALL EXTERIOR WALLS 2X6 U.N.O.
- ALL INTERIOR WALLS 2X4 U.N.O.
- CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION IS PROVIDED AT A MIN. RATE EQUAL TO 1 CUBIC FOOT PER MINUTE (0.47 L/s) FOR EACH 50 SQUARE FEET (4.7M²) OF CRAWLSPACE FLOOR AREA. THE VENTILATION SHALL TERMINATE TO THE EXTERIOR.
CRAWLSPACE AREA A: 1,430SF
1,430x50 = 28.6
28.6x0.47 = 13.45
RATE = 13.45 L/s
CRAWLSPACE AREA B: 64.55SF
64.55x1.29
1.29x0.47 = 0.61
RATE = 0.61 L/s
- WITH MECHANICAL VENTILATION IN THE CRAWLSPACE, PER 2015 IRC WASHINGTON AMENDMENTS APPX. F 103.5, PROJECT IS EXEMPT FOR PASSIVE SUBMEMBRANE DEPRESSURIZATION SYSTEM.
- ELEVATOR CONTRACTOR TO GET ELEVATOR PERMIT AND INSPECTION THROUGH L&L.



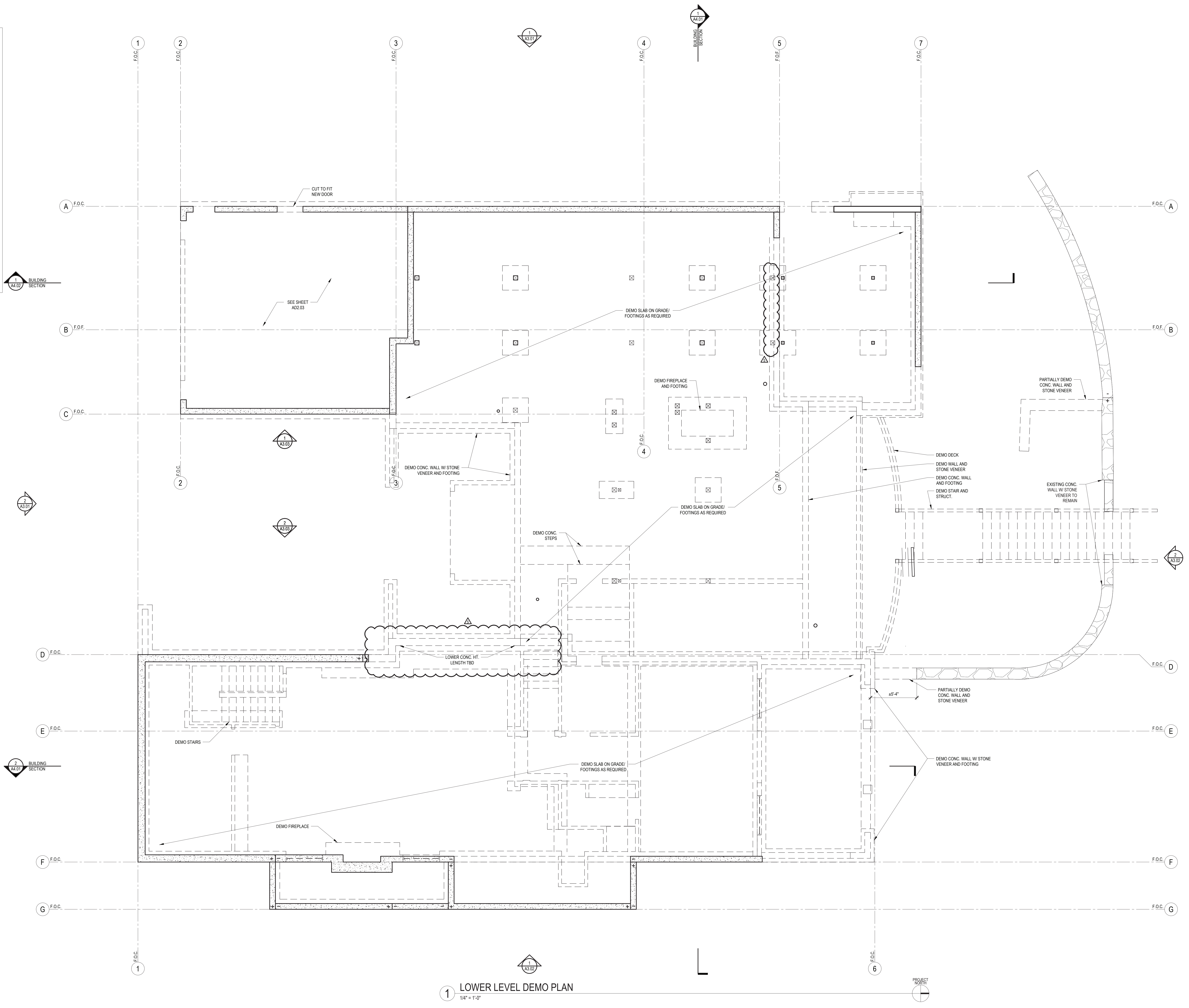
1 FOUNDATION PLAN
1/4" = 1'-0"

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△ BUILDING	06/07/21
CORRECTIONS	
△ LAND USE & CIVIL	06/11/21
CORRECTIONS	
△ BUILDING	07/08/21
CORRECTIONS	
△ BUILDING	07/26/21
CORRECTIONS	
△ POST-PERMIT	12/17/21
REVISIONS	

LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- EXISTING CONCRETE WALL TO REMAIN
- EXISTING STONE VENEER
- NEW WOOD FRAMING WALL
- TO BE REMOVED
- CRAWLSPACE
- DOOR ID TAG
- WINDOW ID TAG
- VENTILATION ID
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- SMOKE & CARBON MONOXIDE COMBINED DETECTOR
- GRIDLINE
- EXTERIOR ELEVATION ID
- SECTION ID

- NOTES**
- ALL DIMENSIONS TO FACE OF CONCRETE OR FRAMING U.N.O.
 - ALL EXTERIOR WALLS 2X6 U.N.O.
 - ALL INTERIOR WALLS 2X4 U.N.O.



ROBERT EDSON SWAIN
 ARCHITECTURE + DESIGN
 2300 W COMMODORE WAY
 SEATTLE, WA 98199
 6241 REGISTERED ARCHITECT
 ROBERT EDSON SWAIN
 STATE OF WASHINGTON

BUILDING PERMIT SUBMITTAL

LAKE HOUSE
 3310 97TH AVE. SE
 MERCER ISLAND, WA 98040
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PROJECT NO.:	1811
DRAWN:	
ISSUE:	DATE:
	12-18-20
REVISIONS:	DATE:
△ BUILDING CORRECTIONS	06/07/21
△ LAND USE & CIVIL CORRECTIONS	06/11/21
△ BUILDING CORRECTIONS	07/08/21
△ BUILDING CORRECTIONS	07/26/21
△ POST-PERMIT REVISIONS	12/17/21

LOWER LEVEL DEMO PLAN
AD2.02

1 LOWER LEVEL DEMO PLAN
 1/4" = 1'-0"

LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
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- EXISTING STONE VENEER
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- ALL EXTERIOR WALLS 2X6 U.N.O.
- ALL INTERIOR WALLS 2X4 U.N.O.
- CONTINUOUSLY OPERATED MECHANICAL EXHAUST VENTILATION IS PROVIDED AT A MIN. RATE EQUAL TO 1 CUBIC FOOT PER MINUTE (0.47 L/s) FOR EACH 50 SQUARE FEET (4.7M²) OF CRAWLSPACE FLOOR AREA. THE VENTILATION SHALL TERMINATE TO THE EXTERIOR.
 CRAWLSPACE AREA A: 1,430SF
 1,430.50 ÷ 28.6 = 28.35047 = 13.45 RATE = 13.45 L/s
 CRAWLSPACE AREA B: 64.55SF
 64.550 ÷ 1.29 = 1.29047 = 0.61 RATE = 0.61 L/s
- WITH MECHANICAL VENTILATION IN THE CRAWL SPACE, PER 2015 IRC WASHINGTON AMENDMENTS APPX. F 103.5, PROJECT IS EXEMPT FOR PASSIVE SUBMEMBRANE DEPRESSURIZATION SYSTEM.
- ELEVATOR CONTRACTOR TO GET ELEVATOR PERMIT AND INSPECTION THROUGH L&L.



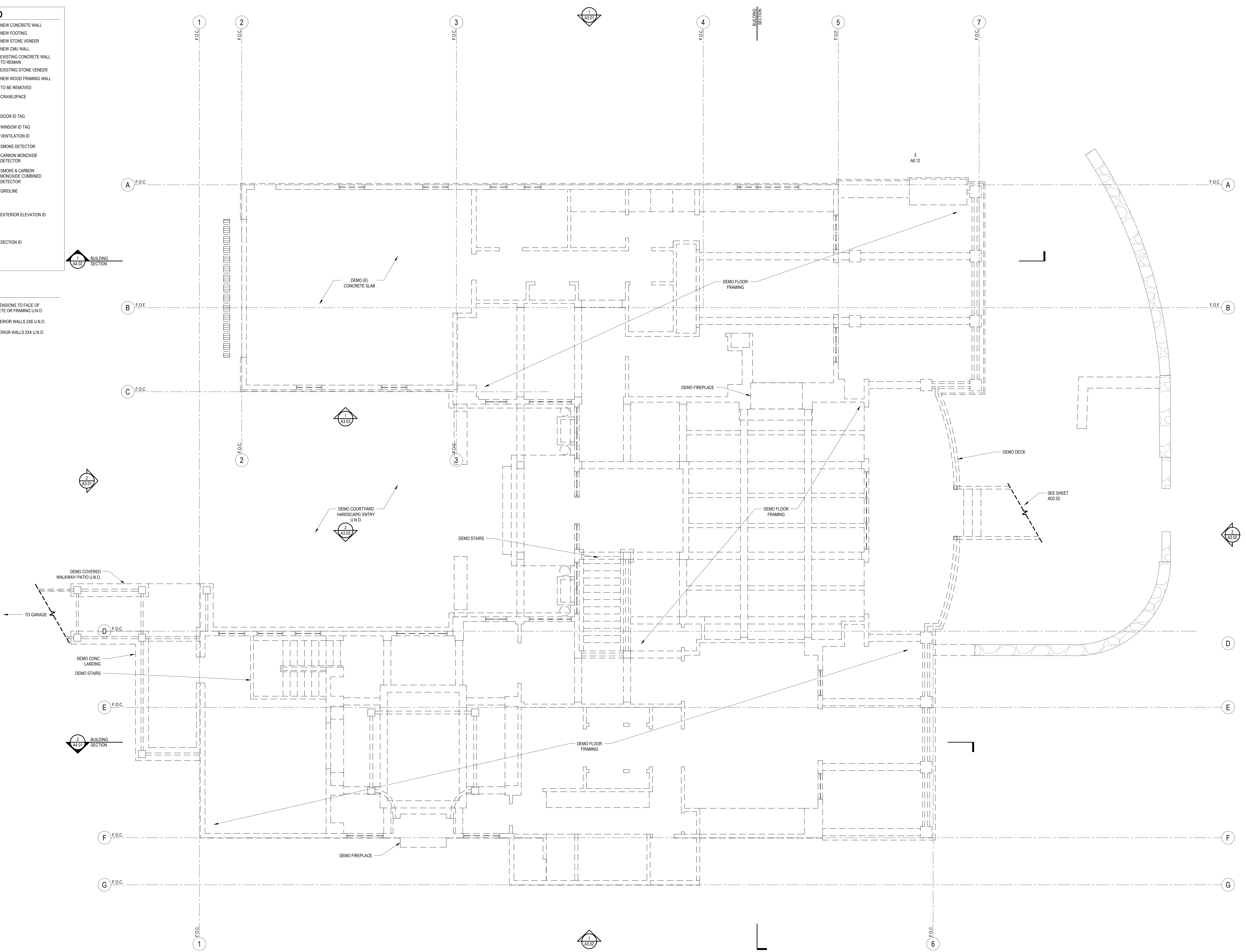
1 LOWER LEVEL FLOOR PLAN
1/4" = 1'-0"

PROJECT NO.:	1811
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	12-18-20
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△ BUILDING	07/26/21
△ CORRECTIONS	
△ POST-PERMIT	12/17/21
△ REVISIONS	

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 3. ALL INTERIOR WALLS 2X4 U.N.O.



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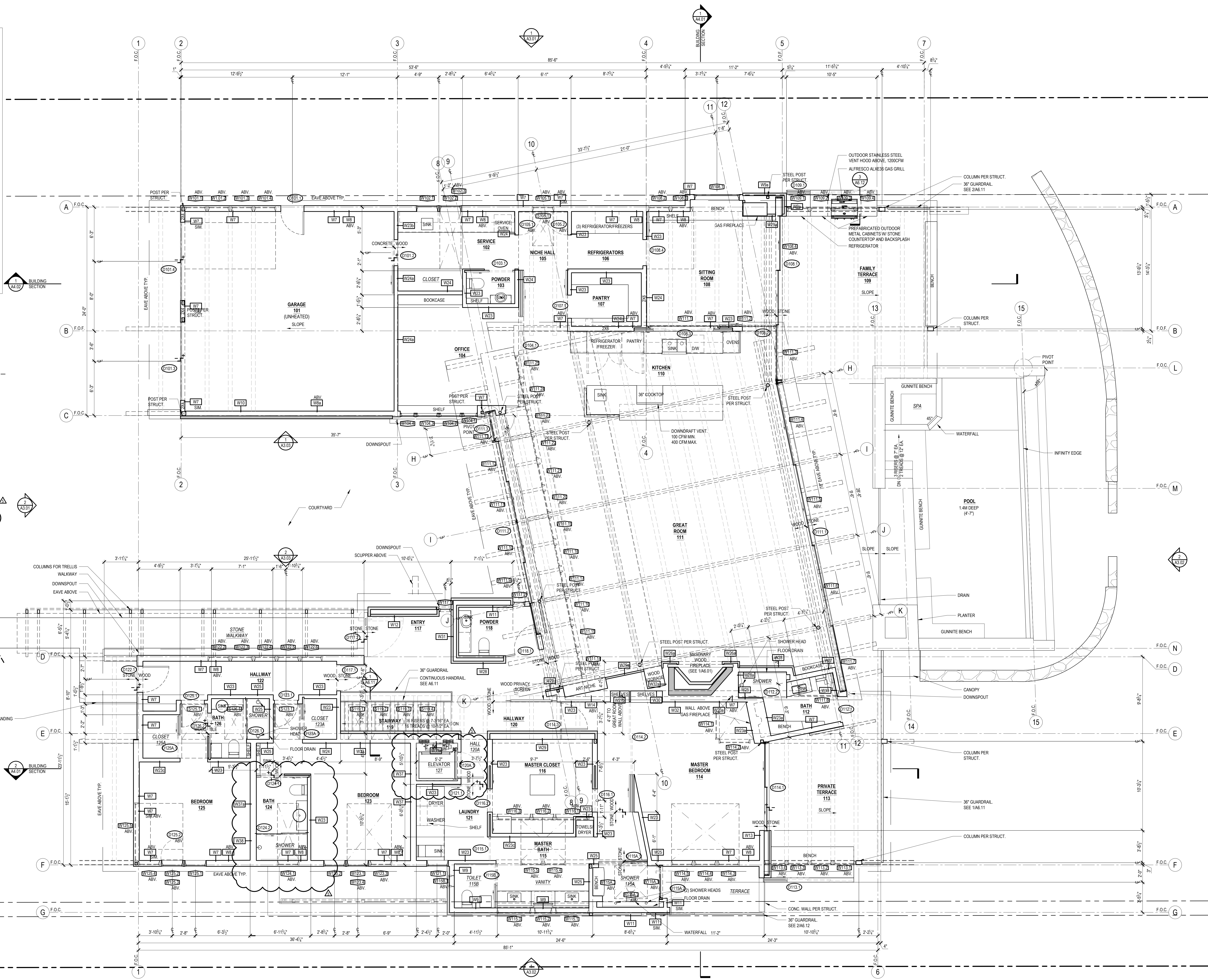
PROJECT NO.:	1811
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	12-18-20
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△ LAND USE & CIVIL CORRECTIONS	06/11/21
△ BUILDING CORRECTIONS	07/08/21
△ BUILDING CORRECTIONS	07/26/21

LEGEND

- NEW CONCRETE WALL
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- EXISTING STONE VENEER
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RATE = 13.45 L/s
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64.550 ÷ 1.29
1,290.47 = 0.61
RATE = 0.61 L/s
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- ELEVATOR CONTRACTOR TO GET ELEVATOR PERMIT AND INSPECTION THROUGH L&L.



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

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PROJECT NO.: 1811
DRAWN: [Signature]
ISSUE DATE: 12-18-20

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△ BUILDING CORRECTIONS	07/26/21
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MAIN LEVEL FLOOR PLAN
A2.03

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LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- EXISTING CONCRETE WALL TO REMAIN
- EXISTING STONE VENEER
- NEW WOOD FRAMING WALL
- TO BE REMOVED
- CRAWLSPACE
- DOOR ID TAG
- WINDOW ID TAG
- VENTILATION ID
- SMOKE DETECTOR
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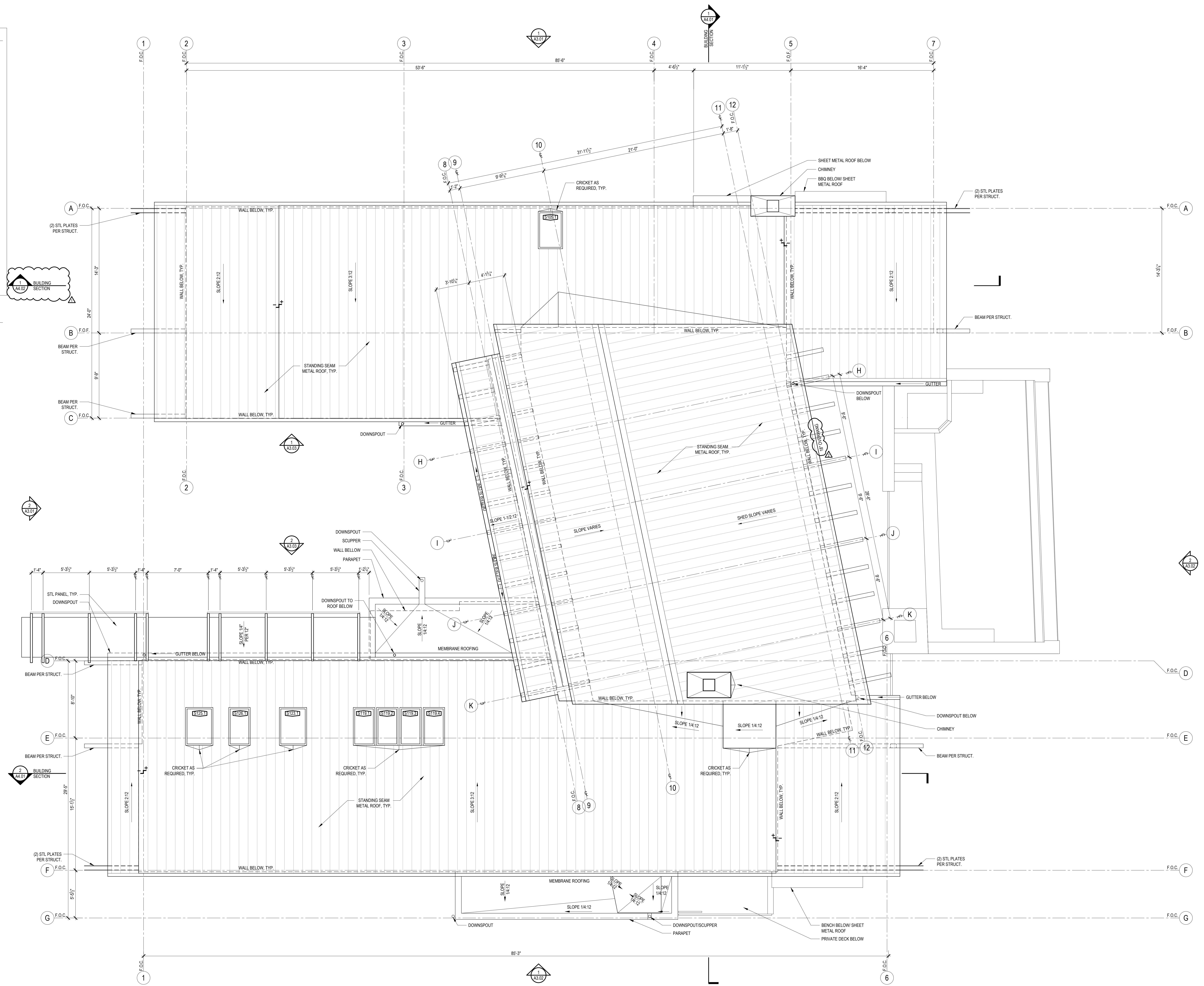
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PROJECT NO.:	1811
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ISSUE:	DATE
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△ LAND USE & CIVIL	06/11/21
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△ BUILDING	07/26/21

ROOF PLAN
A2.04



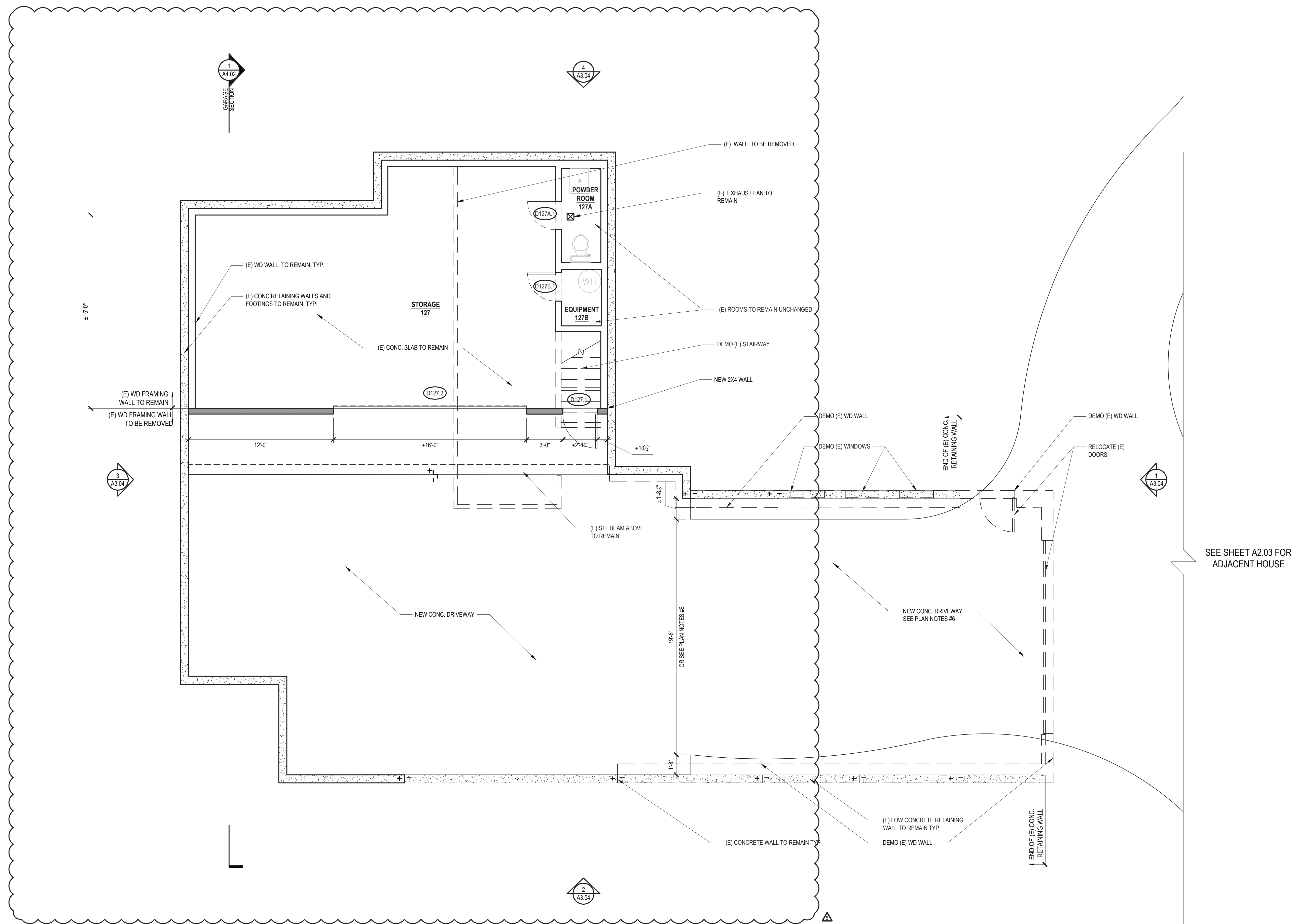
1 ROOF PLAN
 1/4" = 1'-0"

LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- (E) CONC. WALL TO REMAIN
- (E) WALL TO REMAIN
- NEW WALL
- TO BE REMOVED
- DOOR ID TAG
- WINDOW ID TAG
- VENTILATION ID
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- SMOKE & CARBON MONOXIDE COMBINED DETECTOR
- GRIDLINE
- EXTERIOR ELEVATION ID
- SECTION ID

PLAN NOTES

- ALL THE EXISTING CONCRETE STRUCTURE TO REMAIN U.N.O.
- SEE CIVIL DRAWINGS FOR GRADING, DRAINAGE AND SITE DEMOLITION INFORMATION.
- SEE STRUCTURAL DRAWINGS FOR STRUCTURAL CHANGES.
- ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTORS
- FIELD VERIFY DIMENSIONS OF EXISTING FOUNDATIONS. WHERE EXISTING CONCRETE WALLS ARE RETAINING 36" OR MORE OF SOIL, NEW DRIVEWAY SLAB SHALL EXTEND AT LEAST TO THE EDGE OF THE EXISTING FOUNDATION.



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



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PROJECT NO.: 1811
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ISSUE DATE
12-18-20

REVISIONS DATE

△ BUILDING 06/07/21

CORRECTIONS

△ LAND USE & CIVIL 06/11/21

CORRECTIONS

△ BUILDING 07/08/21

CORRECTIONS

△ BUILDING 07/26/21

CORRECTIONS

△ POST-PERMIT 12/17/21

REVISIONS

ACCESSORY BLDG
FLOOR PLAN

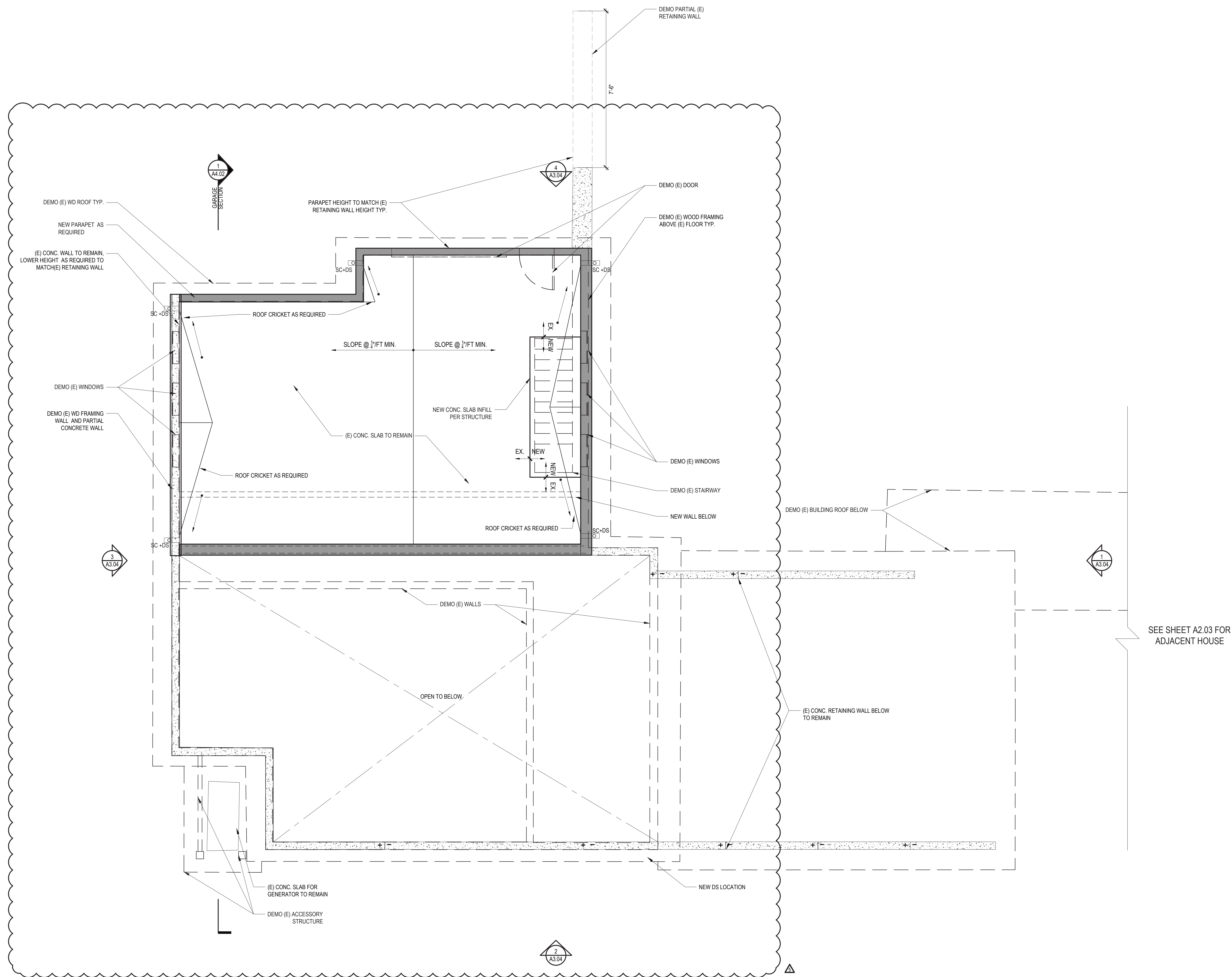
A2.05

LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- (E) CONC. WALL TO REMAIN
- (E) WALL TO REMAIN
- NEW WALL
- TO BE REMOVED
- DOOR ID TAG
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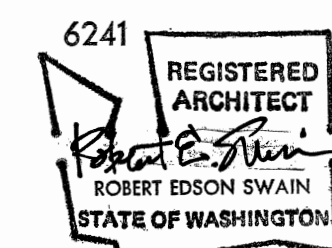
1 ROOF PLAN
1/4" = 1'-0"



ROBERT
EDSON
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+
DESIGN

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SEATTLE, WA 98199



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PROJECT NO.: 1811
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ACCESSORY BLDG
ROOF PLAN

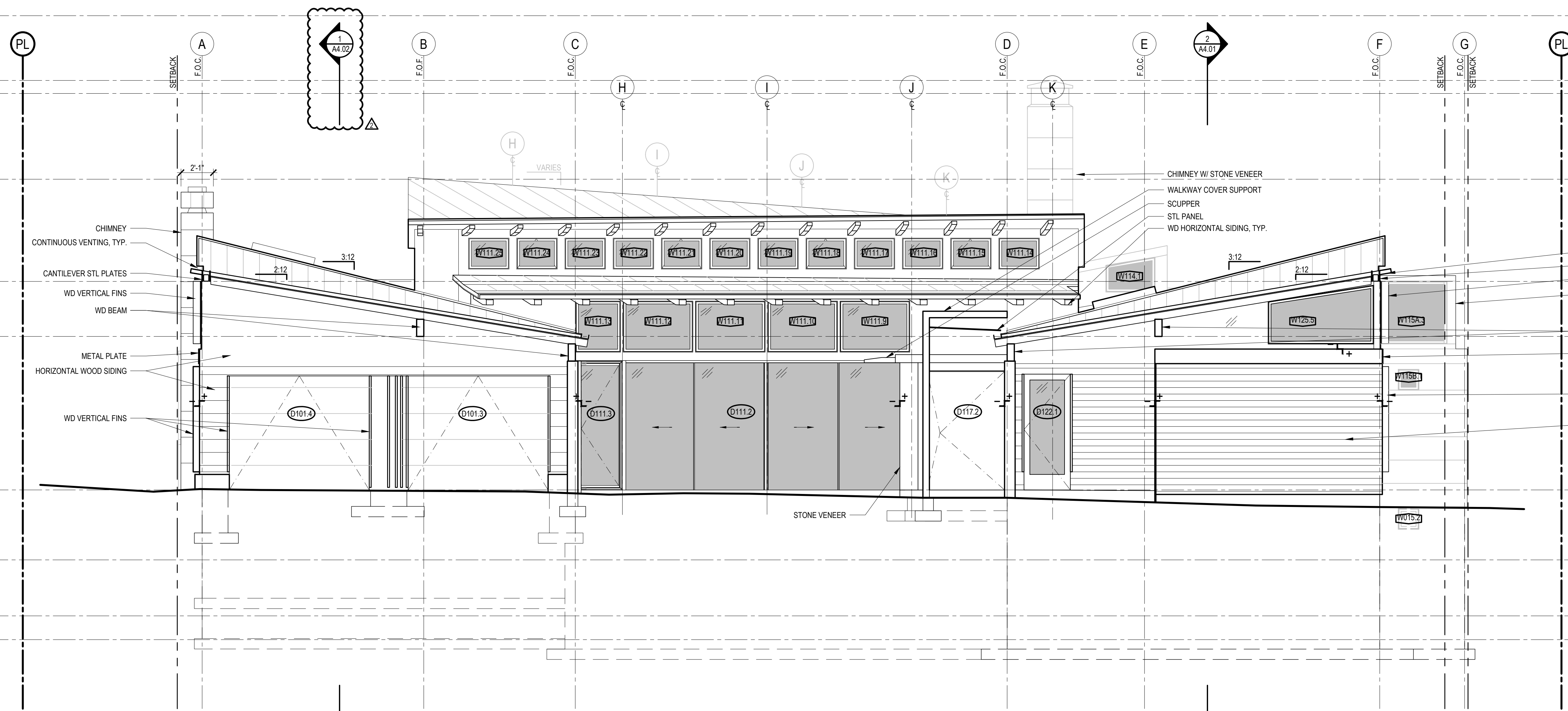
A2.06

SEE SHEET A2.03 FOR
ADJACENT HOUSE

NOTES

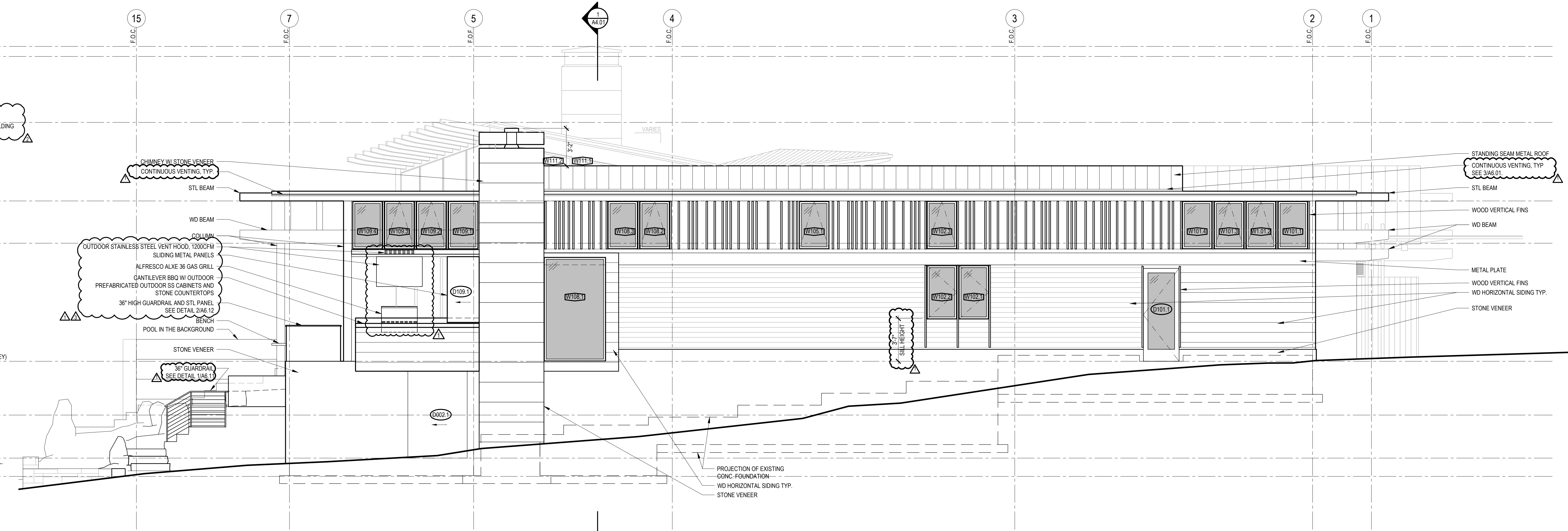
- SEE AVERAGE BUILDING ELEVATION CALCULATION IN SHEET T2.01

- (65.1) MAXIMUM APPURTENANCES HEIGHT
- (60.1) ALLOWABLE BUILDING HEIGHT
- +19' - 11.34" HIGHEST POINT OF BUILDING
- +13' - 5" B.O. BEAM
- +9' - 10.12" B.O. BEAM
- ±0' - 0" (34.8' PER SURVEY) MAIN F.F.L.
- (30.1) AVERAGE BUILDING ELEVATION
- 8' - 1" GARDEN SUPPLIES F.F.L.
- 9' - 7.12" LOWER LEVEL F.F.L.



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

- (65.1) MAXIMUM APPURTENANCES HEIGHT
- (60.1) ALLOWABLE BUILDING HEIGHT
- +19' - 11.34" HIGHEST POINT OF BUILDING
- +13' - 5" B.O. BEAM
- +9' - 10.12" B.O. BEAM
- ±0' - 0" (34.8' PER SURVEY) MAIN F.F.L.
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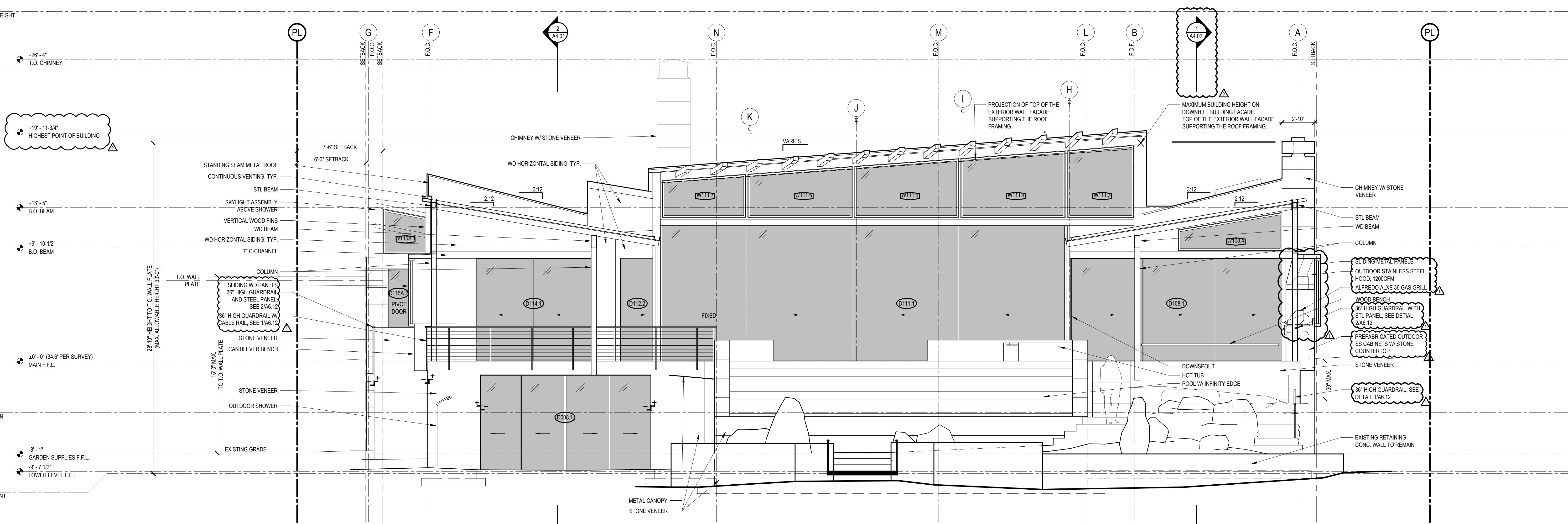
1 WEST ELEVATION
1/4" = 1'-0"

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CORRECTIONS	
△ BUILDING	07/26/21
CORRECTIONS	

NOTES

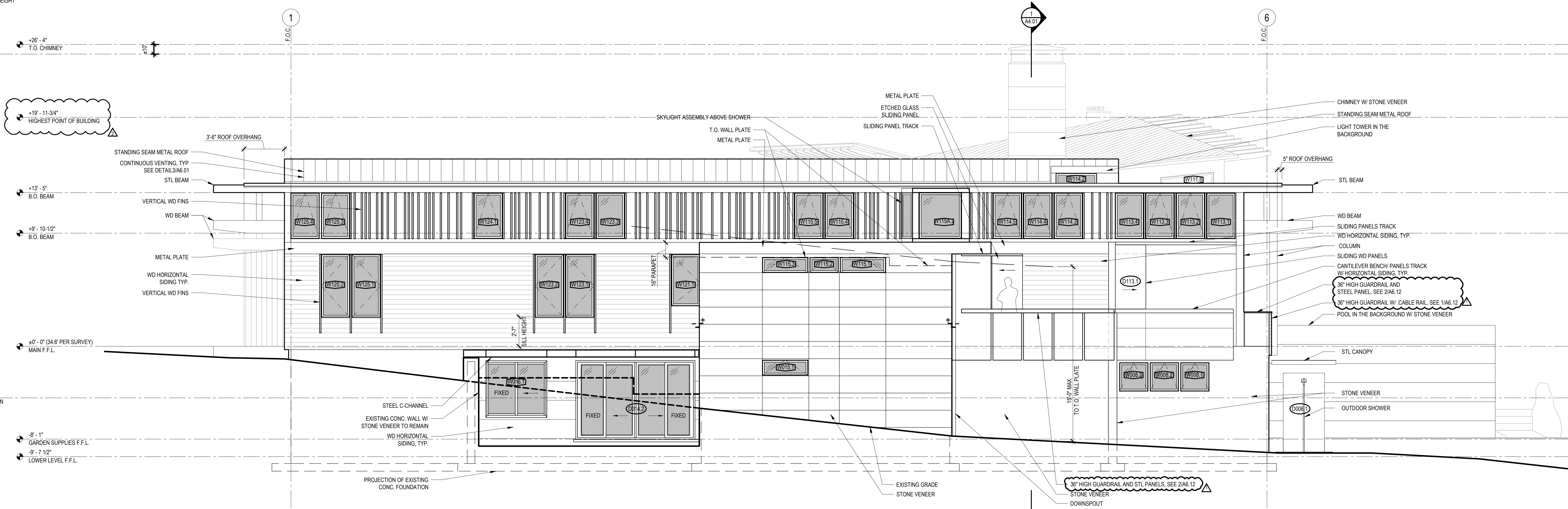
- SEE AVERAGE BUILDING ELEVATION CALCULATION IN SHEET T2.01

- (65.1) MAXIMUM APPURTENANCES HEIGHT
- (60.1) ALLOWABLE BUILDING HEIGHT
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- ±0' - 0" (34.8' PER SURVEY) MAIN F.F.L.
- (30.1) AVERAGE BUILDING ELEVATION
- 8' - 1" GARDEN SUPPLIES F.F.L.
- 9' - 7.12" LOWER LEVEL F.F.L.
- (24.78' PER SURVEY) LOWEST EXISTING GRADE POINT



2 NORTH ELEVATION
1/4" = 1'-0"

- (65.1) MAXIMUM APPURTENANCES HEIGHT
- (60.1) ALLOWABLE BUILDING HEIGHT
- +19' - 11.34" HIGHEST POINT OF BUILDING
- +13' - 5" B.O. BEAM
- +9' - 10.12" B.O. BEAM
- ±0' - 0" (34.8' PER SURVEY) MAIN F.F.L.
- (30.1) AVERAGE BUILDING ELEVATION
- 8' - 1" GARDEN SUPPLIES F.F.L.
- 9' - 7.12" LOWER LEVEL F.F.L.



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

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△ CORRECTIONS	

NOTES

1. SEE AVERAGE BUILDING ELEVATION CALCULATION IN SHEET T2.01

(65.1) MAXIMUM APPURTENANCES HEIGHT

(60.1) ALLOWABLE BUILDING HEIGHT

+19' - 11.34"
HIGHEST POINT OF BUILDING

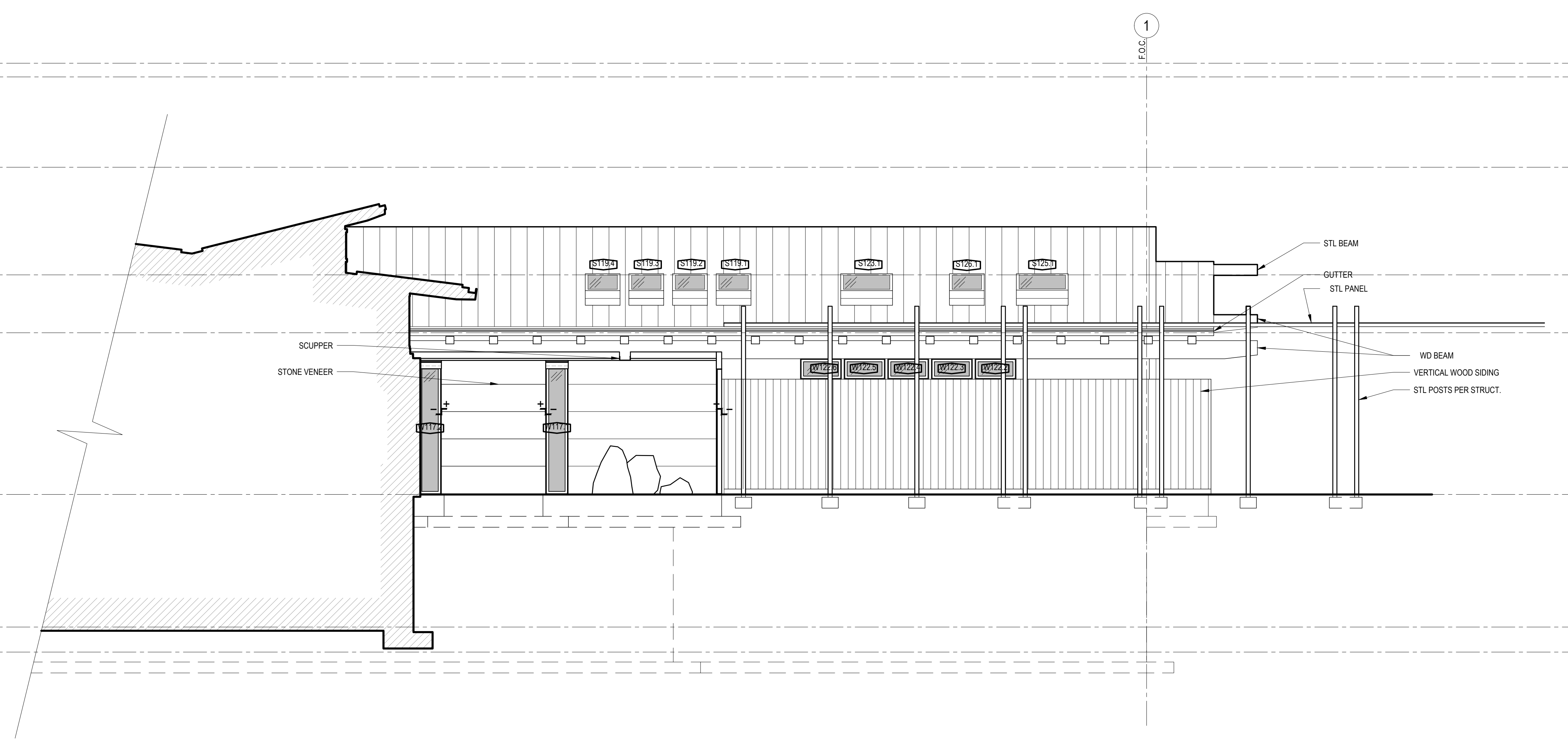
+13' - 5"
B.O. BEAM

+9' - 10.12"
B.O. BEAM

±0' - 0" (34.8' PER SURVEY)
MAIN F.F.L.

-8' - 1"
GARDEN SUPPLIES F.F.L.

-9' - 7 1/2"
LOWER LEVEL F.F.L.



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

(65.1) MAXIMUM APPURTENANCES HEIGHT

(60.1) ALLOWABLE BUILDING HEIGHT

+19' - 11.34"
HIGHEST POINT OF BUILDING

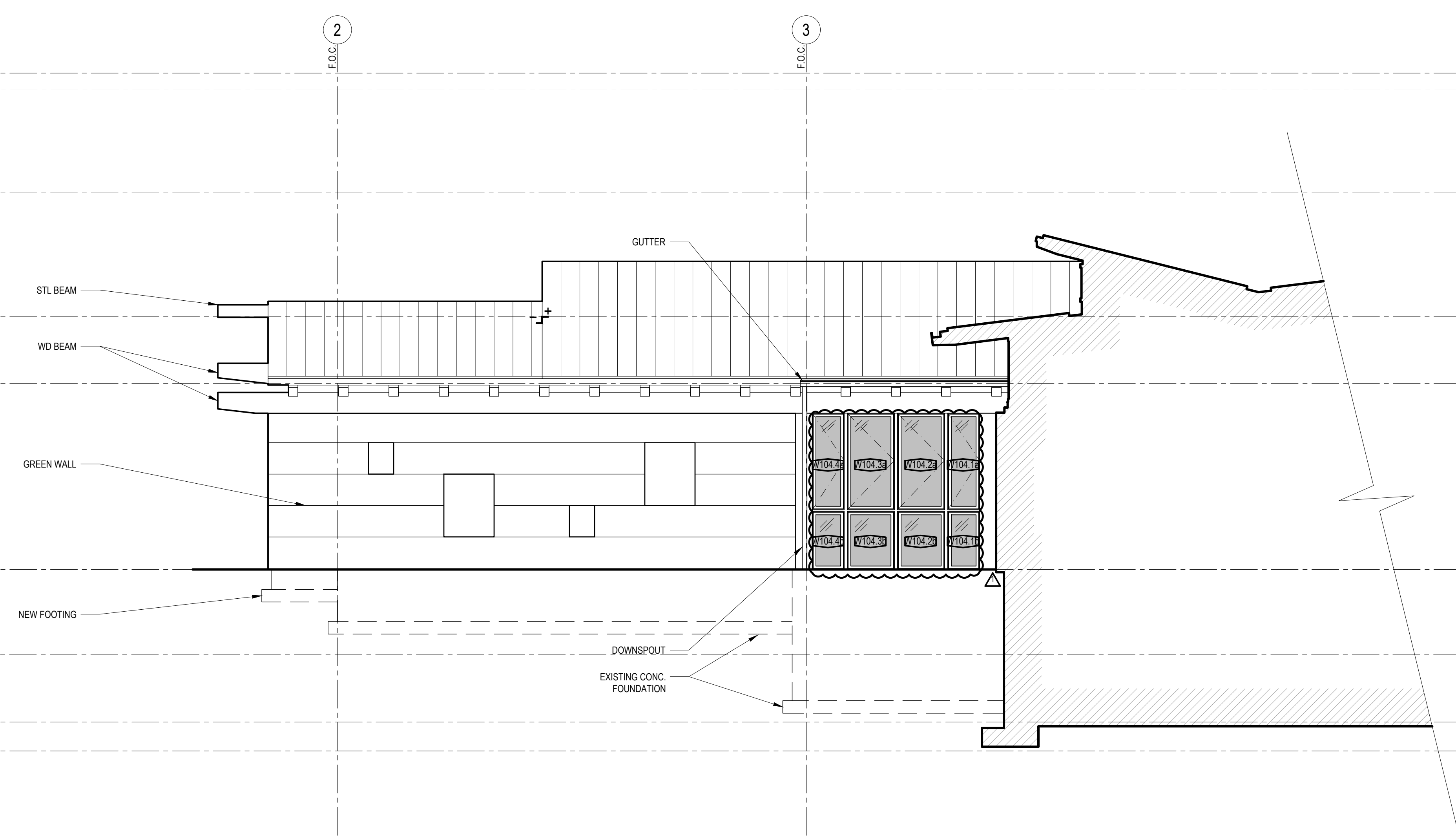
+13' - 5"
B.O. BEAM

+9' - 10.12"
B.O. BEAM

±0' - 0" (34.8' PER SURVEY)
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-8' - 1"
GARDEN SUPPLIES F.F.L.

-9' - 7 1/2"
LOWER LEVEL F.F.L.



1 COURTYARD WEST ELEVATION
1/4" = 1'-0"

**ROBERT
EDSON
SWAIN**
ARCHITECTURE
+
DESIGN

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6241 REGISTERED
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CORRECTIONS	

EXTERIOR
ELEVATIONS
A3.03

NOTES

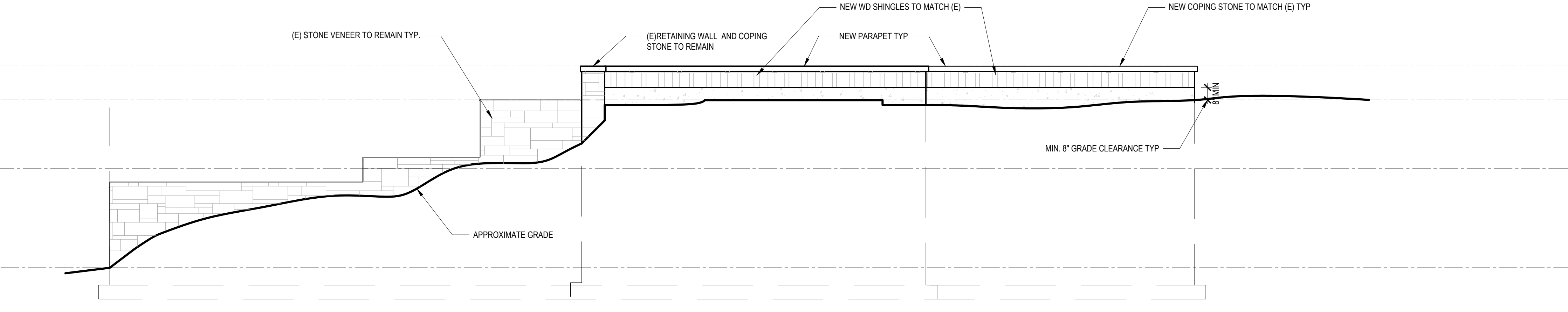
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3. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL CHANGES.
4. SEE AVERAGE BUILDING CALCULATION IN SHEET T2.01
5. ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTORS
6. NEW SCUPPER AND DOWNSPOUT AT (E) DOWNSPOUT LOCATIONS U.N.O.

+12'-0"
T.O. PARAPET

+10'-0"
T.O. EXISTING CONCRETE

(40.6)
AVERAGE BUILDING ELEVATION

+0'-0" (34.7' FROM SURVEY)
T.O. EXISTING F.F.L.



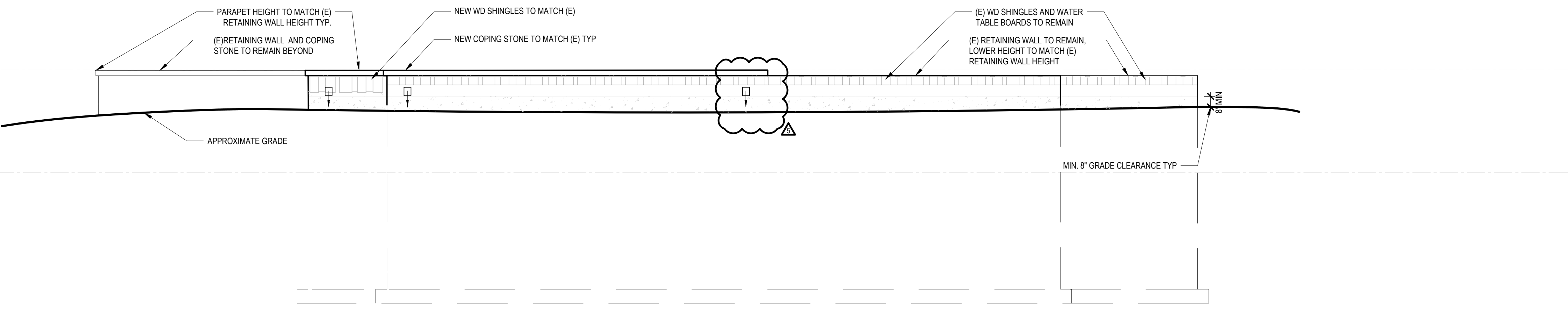
4 WEST ELEVATION
1/4" = 1'-0"

+12'-0"
T.O. PARAPET

+10'-0"
T.O. EXISTING CONCRETE

(40.6)
AVERAGE BUILDING ELEVATION

+0'-0" (34.7' FROM SURVEY)
T.O. EXISTING F.F.L.



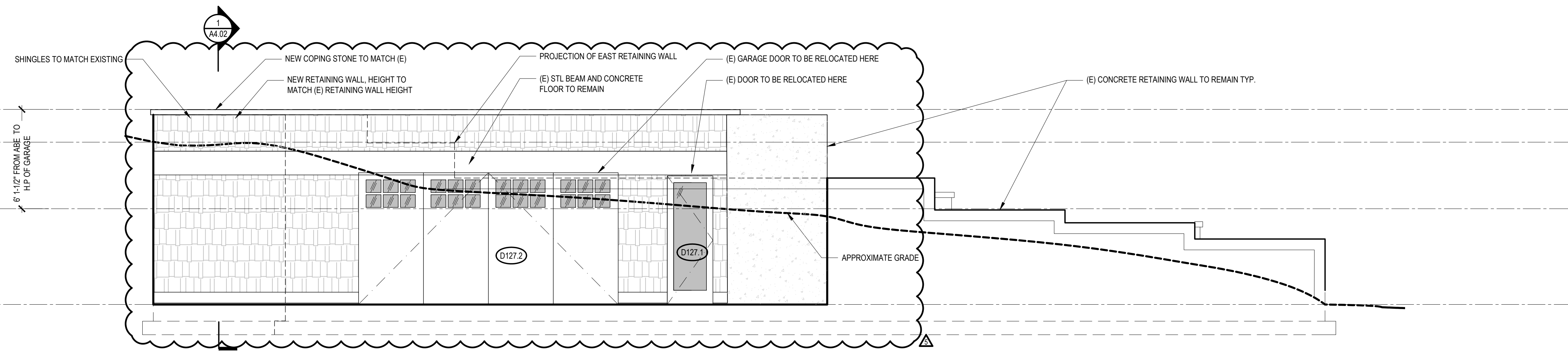
3 SOUTH ELEVATION
1/4" = 1'-0"

+12'-0"
T.O. PARAPET

+10'-0"
T.O. EXISTING CONCRETE

(40.6)
AVERAGE BUILDING ELEVATION

+0'-0" (34.7' FROM SURVEY)
T.O. EXISTING F.F.L.



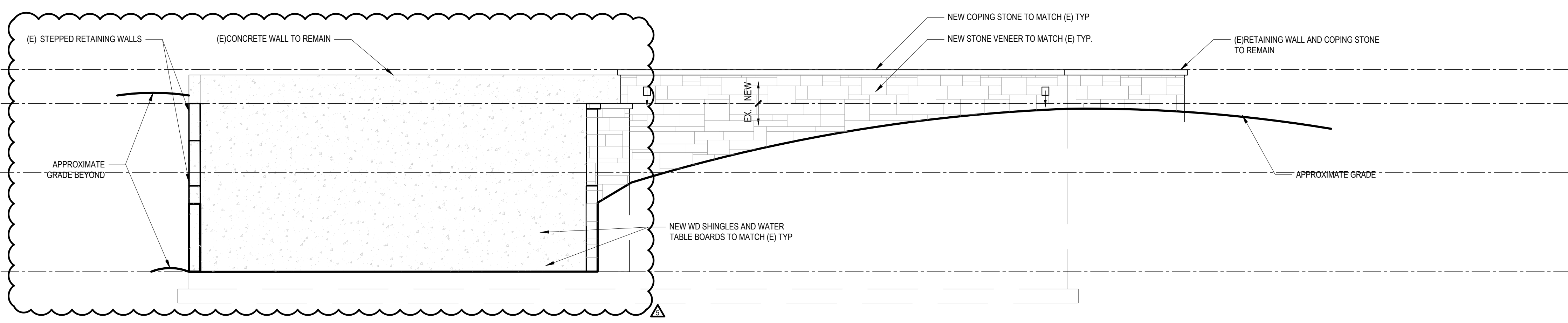
2 EAST ELEVATION
1/4" = 1'-0"

+12'-0"
T.O. PARAPET

+10'-0"
T.O. EXISTING CONCRETE

(40.6)
AVERAGE BUILDING ELEVATION

+0'-0" (34.7' FROM SURVEY)
T.O. EXISTING F.F.L.

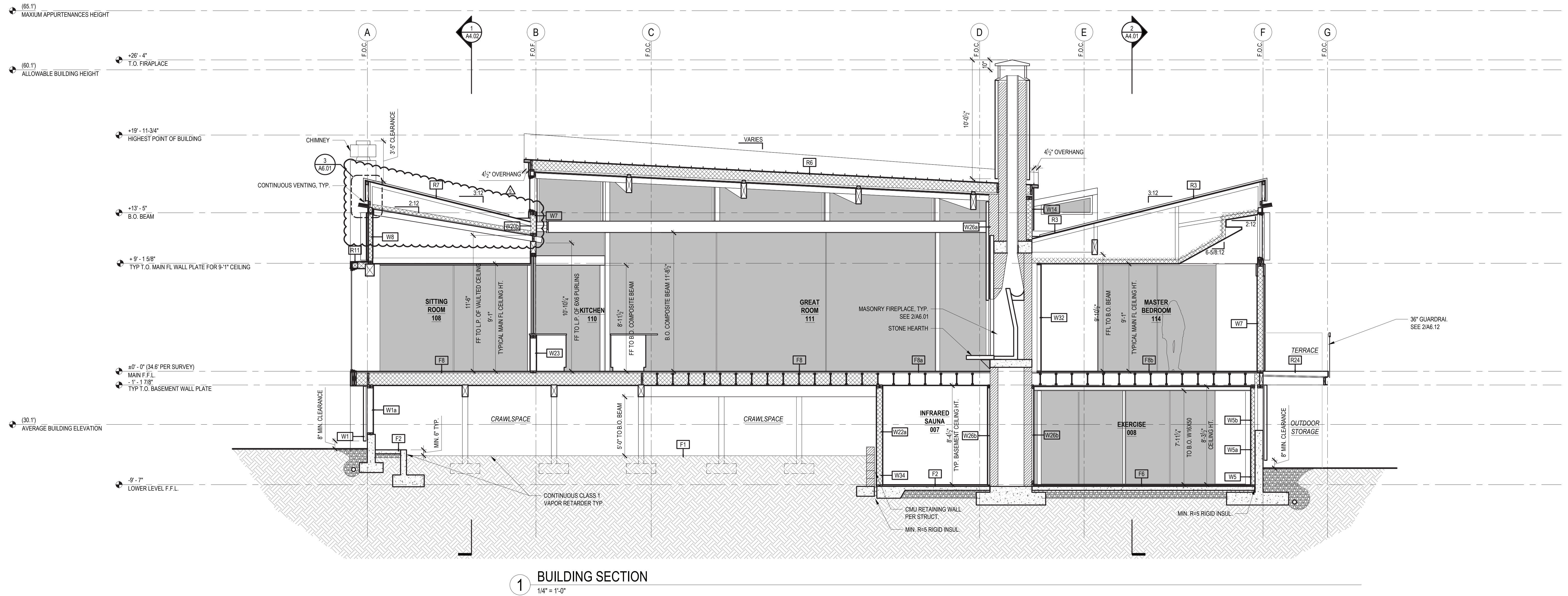
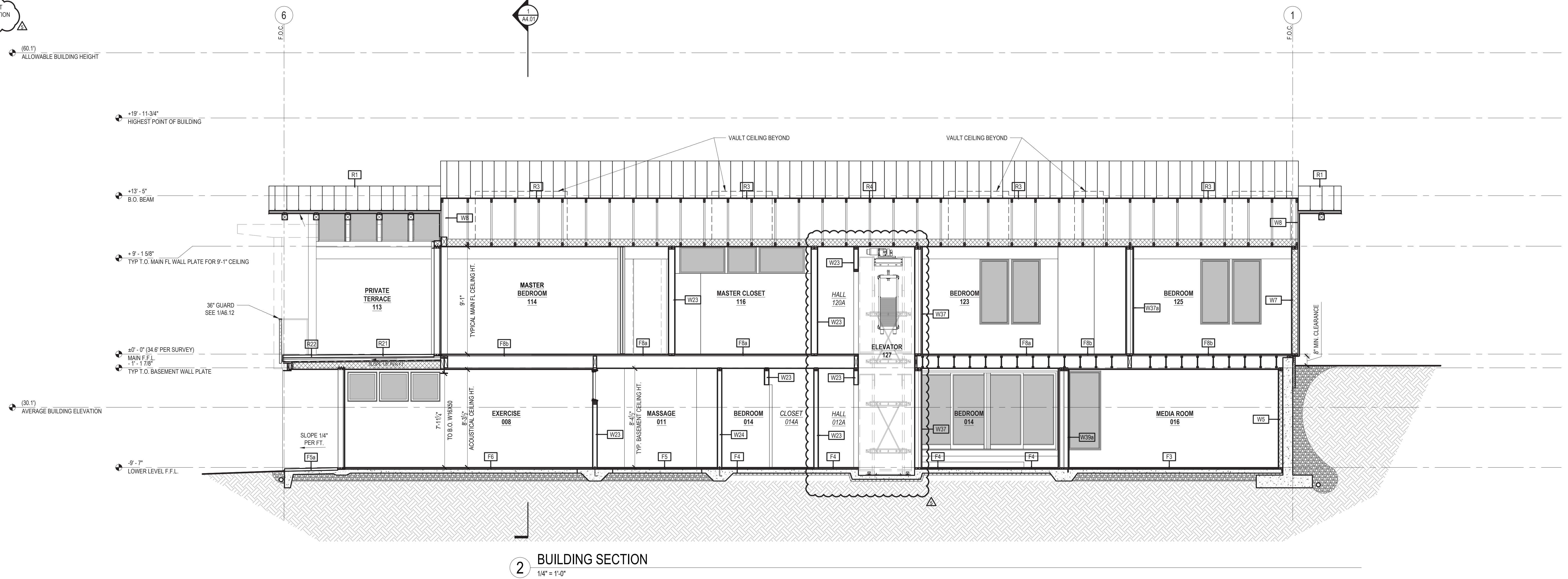


1 NORTH ELEVATION
1/4" = 1'-0"

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△ LAND USE & CIVIL CORRECTIONS	06/11/21
△ BUILDING CORRECTIONS	07/08/21
△ BUILDING CORRECTIONS	07/26/21
△ POST-PERMIT REVISIONS	12/17/21

NOTES

- SEE AVERAGE BUILDING CALCULATION IN SHEET T2.01
- DO NOT SCALE THE DRAWING. USE WRITTEN DIMENSIONS ONLY. (85.1) MAXIMUM APPURTENANCES HEIGHT
- ELEVATOR CONTRACTOR TO GET ELEVATOR PERMIT AND INSPECTION THROUGH L&I

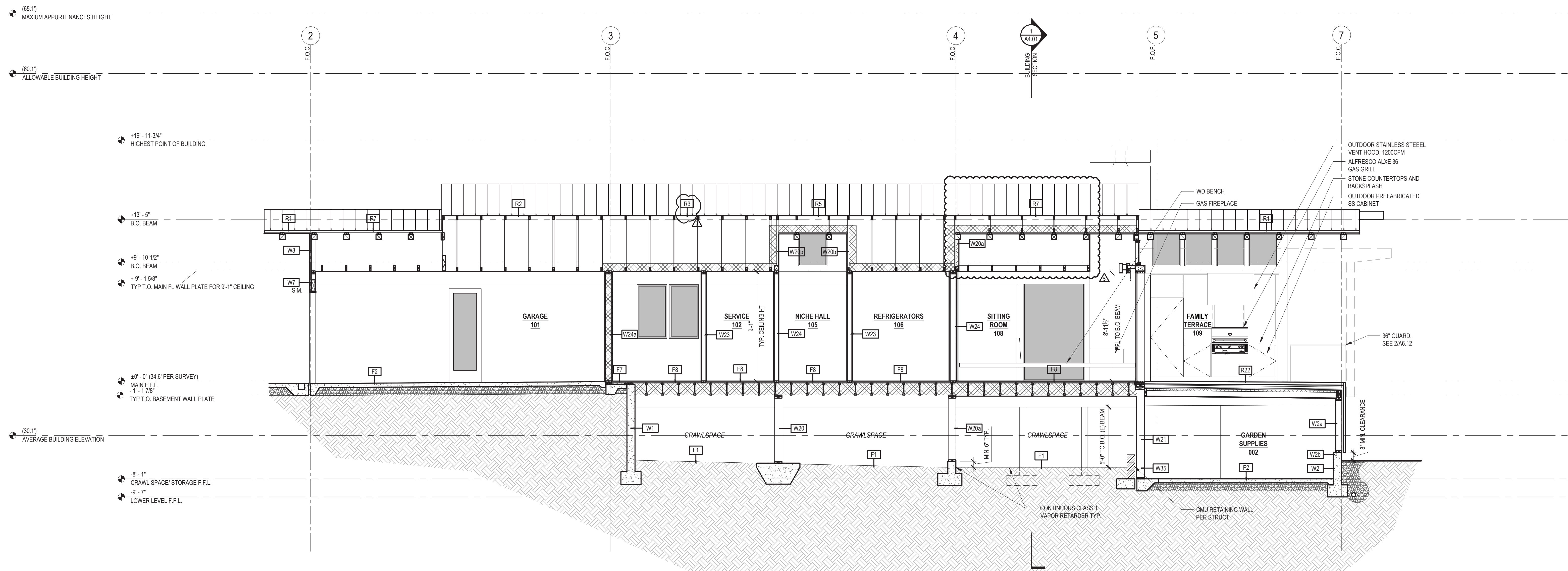


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PROJECT NO.:	1811
DRAWN:	
ISSUE	DATE
	12-18-20
REVISIONS	DATE
△ BUILDING CORRECTIONS	06/07/21
△ LAND USE & CIVIL CORRECTIONS	06/11/21
△ BUILDING CORRECTIONS	07/08/21
△ BUILDING CORRECTIONS	07/26/21
△ POST-PERMIT REVISIONS	12/17/21

NOTES

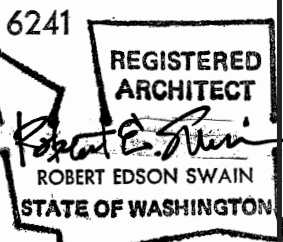
1. SEE AVERAGE BUILDING CALCULATION IN SHEET T2.01
2. DO NOT SCALE THE DRAWING. USE WRITTEN DIMENSIONS ONLY



1 BUILDING SECTION
1/4" = 1'-0"

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ARCHITECTURE + DESIGN

2300 W COMMODORE WAY
SEATTLE, WA 98199



BUILDING PERMIT SUBMITTAL

LAKE HOUSE
3310 97TH AVE. SE
MERCER ISLAND, WA 98040

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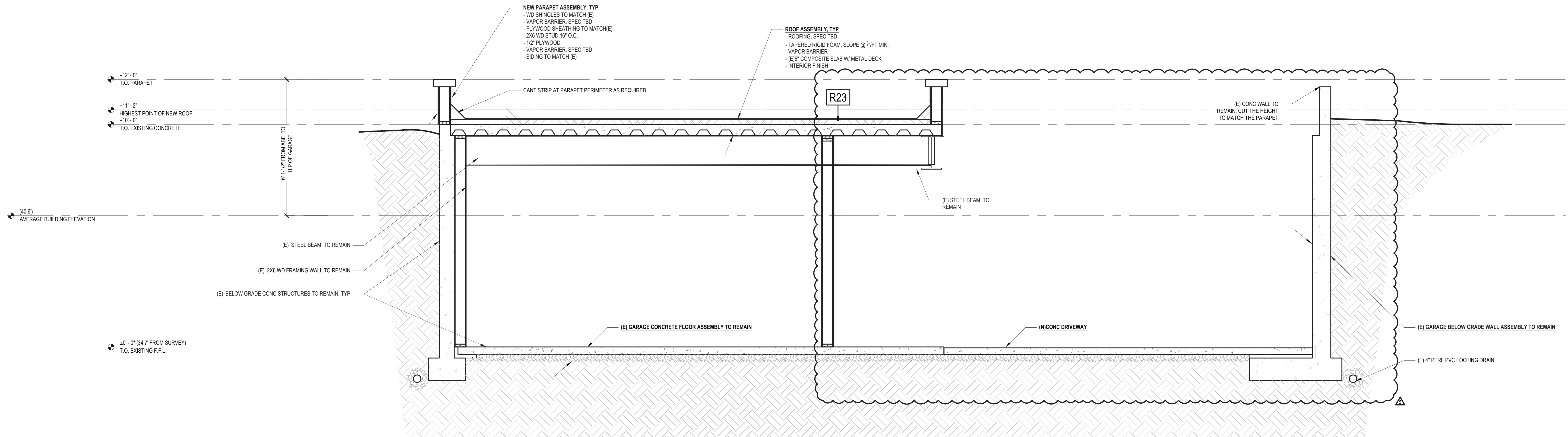
PROJECT NO.:	1811
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REVISIONS	DATE
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△ BUILDING CORRECTIONS	07/26/21
△ POST-PERMIT REVISIONS	12/17/21

BUILDING SECTIONS
A4.02

NOTES

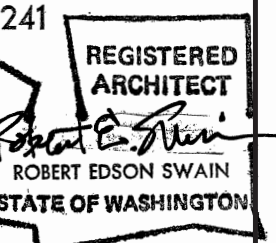
1. ALL THE EXISTING CONCRETE STRUCTURE TO REMAIN U.N.O.
2. SEE CIVIL DRAWINGS FOR GRADING, DRAINAGE AND SITE DEMOLITION INFORMATION.
3. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL CHANGES.
4. SEE AVERAGE BUILDING CALCULATION IN SHEET T2.01
5. ALL DIMENSIONS TO BE FIELD VERIFIED BY CONTRACTORS
6. NEW SCUPPER AND DOWNSPOUT AT (E) DOWNSPOUT LOCATIONS U.N.O



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

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SEATTLE, WA 98199



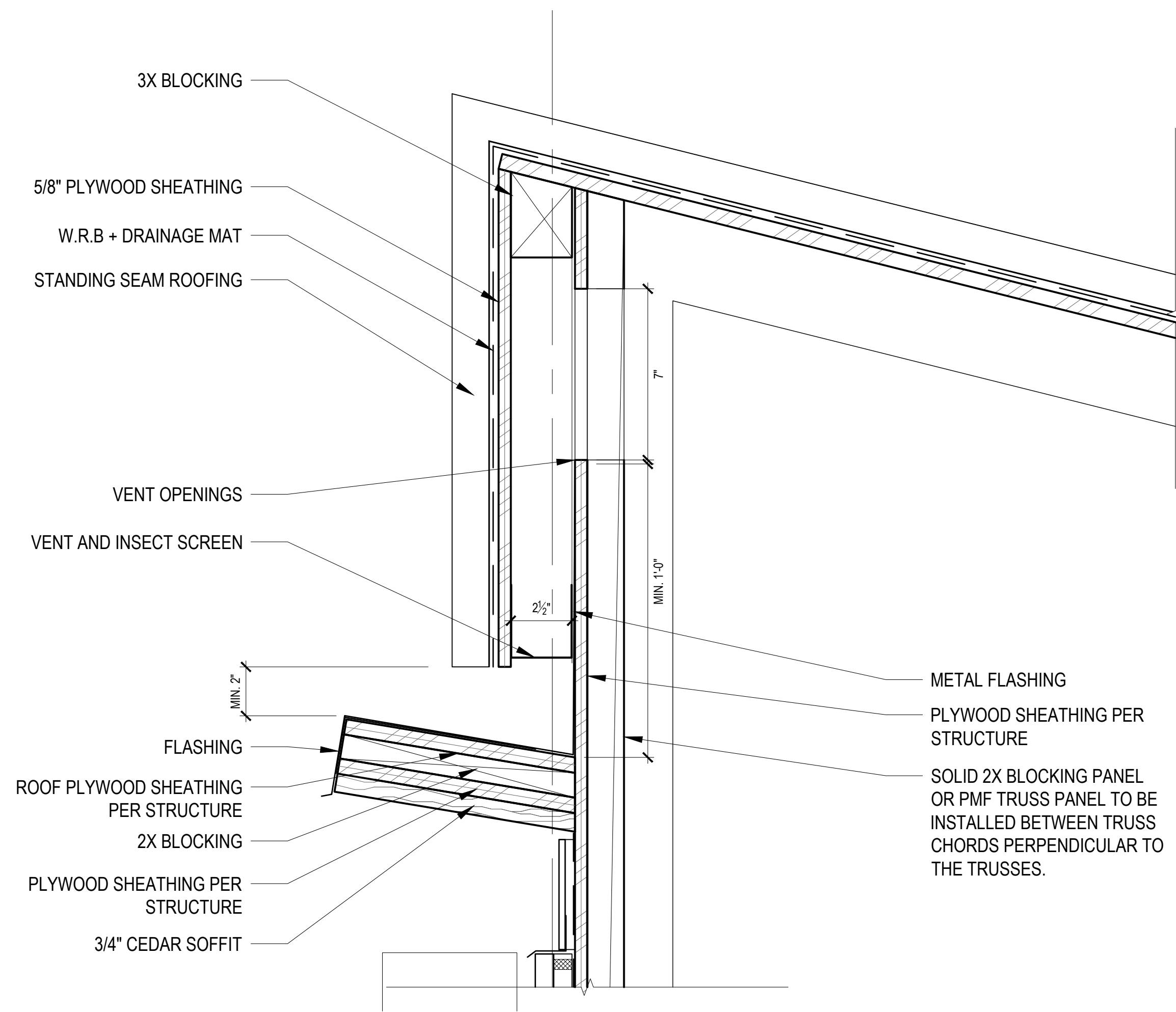
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MERCER ISLAND, WA 98040

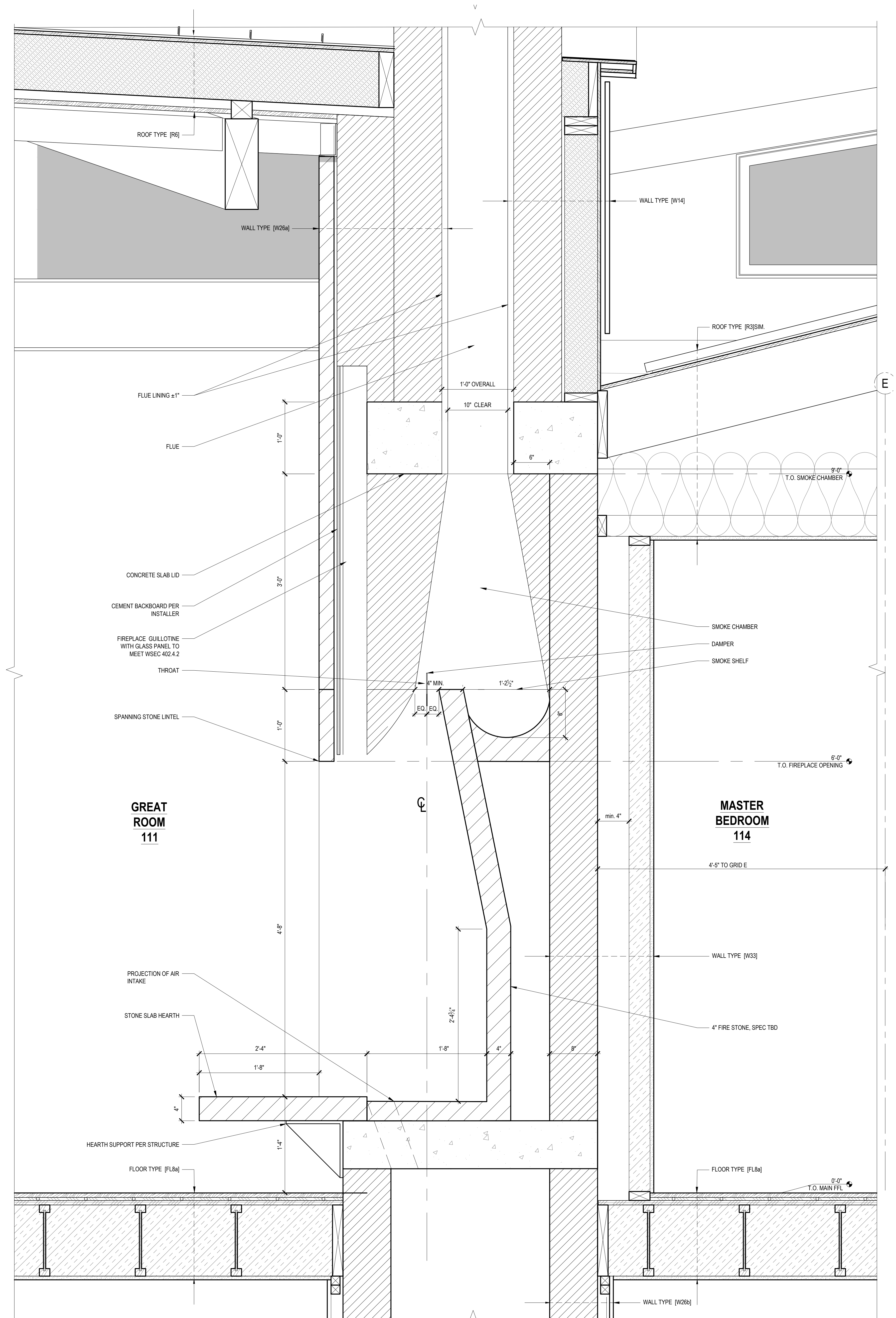
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PROJECT NO.:	1811
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CORRECTIONS	
△ LAND USE & CIVIL	06/11/21
CORRECTIONS	
△ BUILDING	07/08/21
CORRECTIONS	
△ BUILDING	07/26/21
CORRECTIONS	
△ POST-PERMIT	12/17/21
REVISIONS	

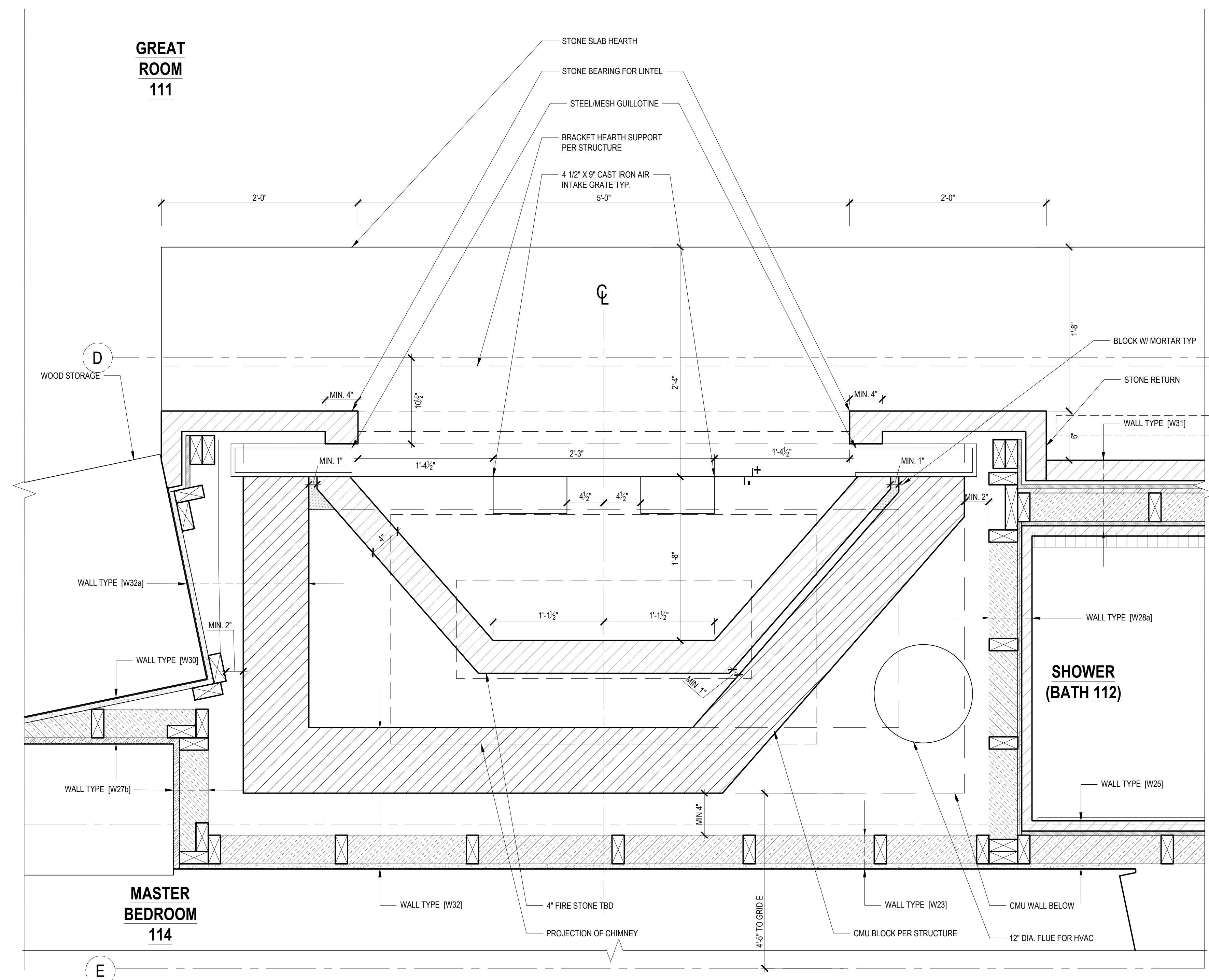
ACCESSORY BLDG SECTION
A4.11



3 ATTIC VENT DETAIL @ UPPER END OF TRUSS ROOF
3\"/>

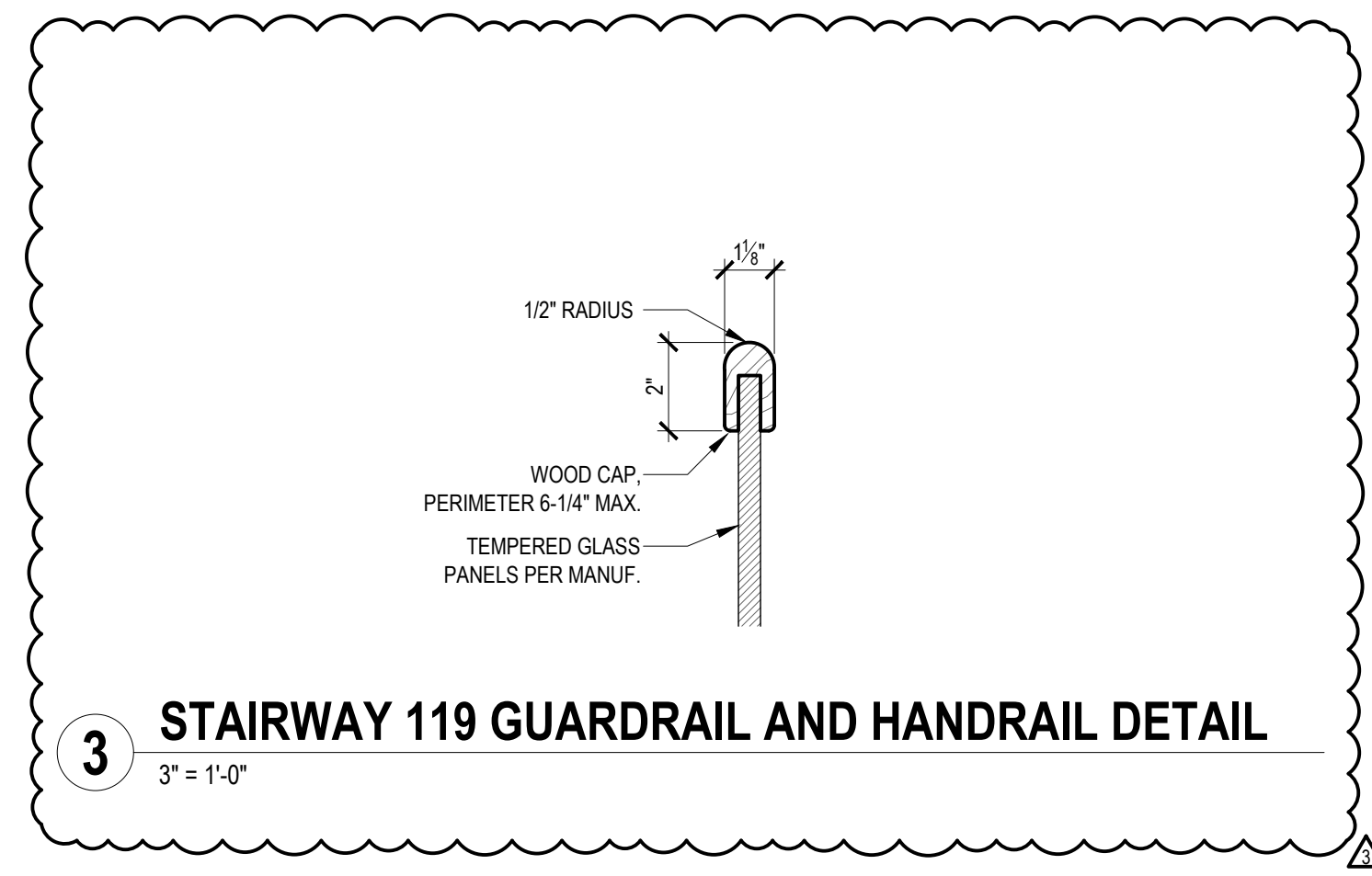


2 FIREPLACE SECTION
1-1/2\"/>

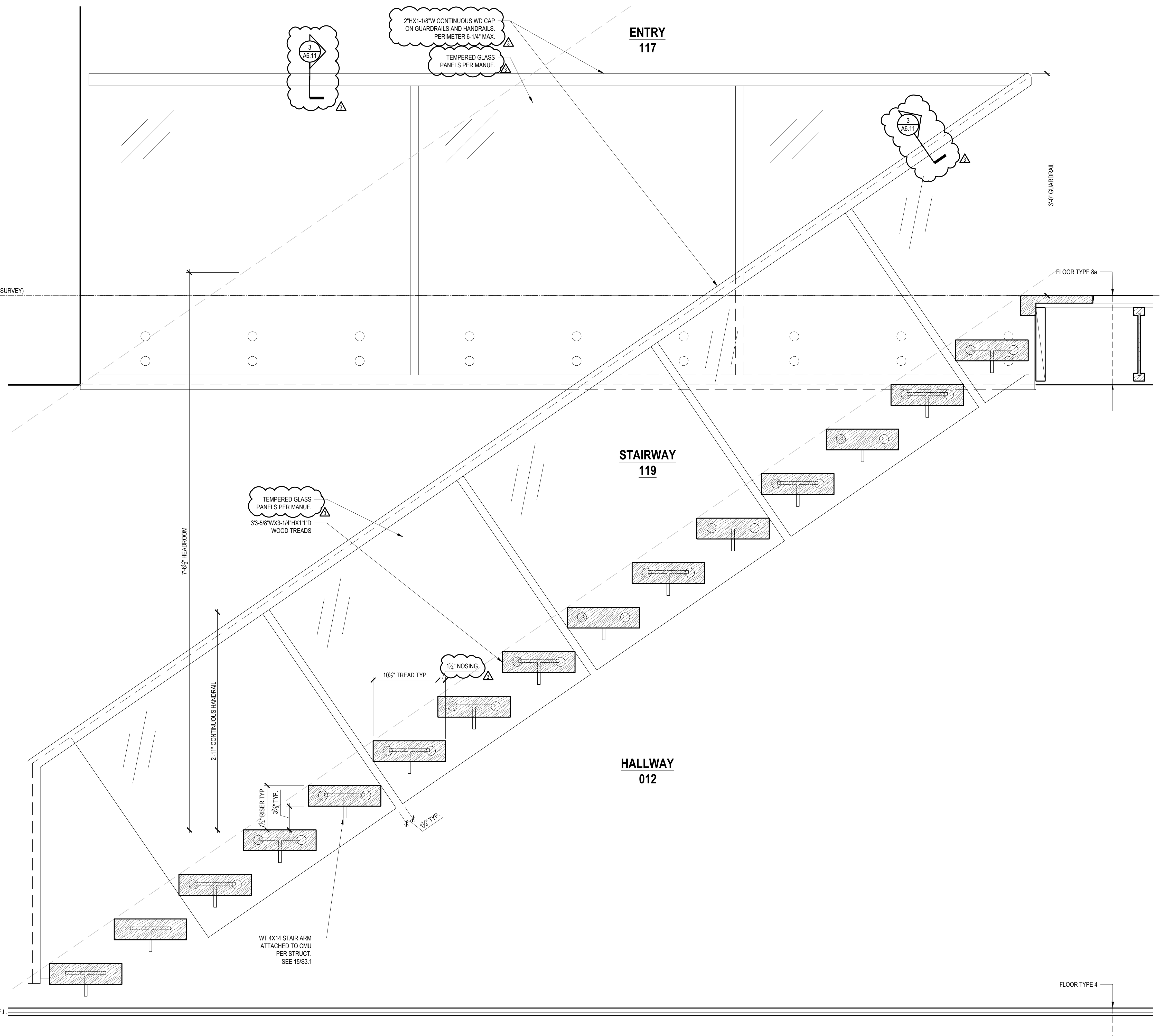


1 ENLARGED FIREPLACE PLAN
1-1/2\"/>

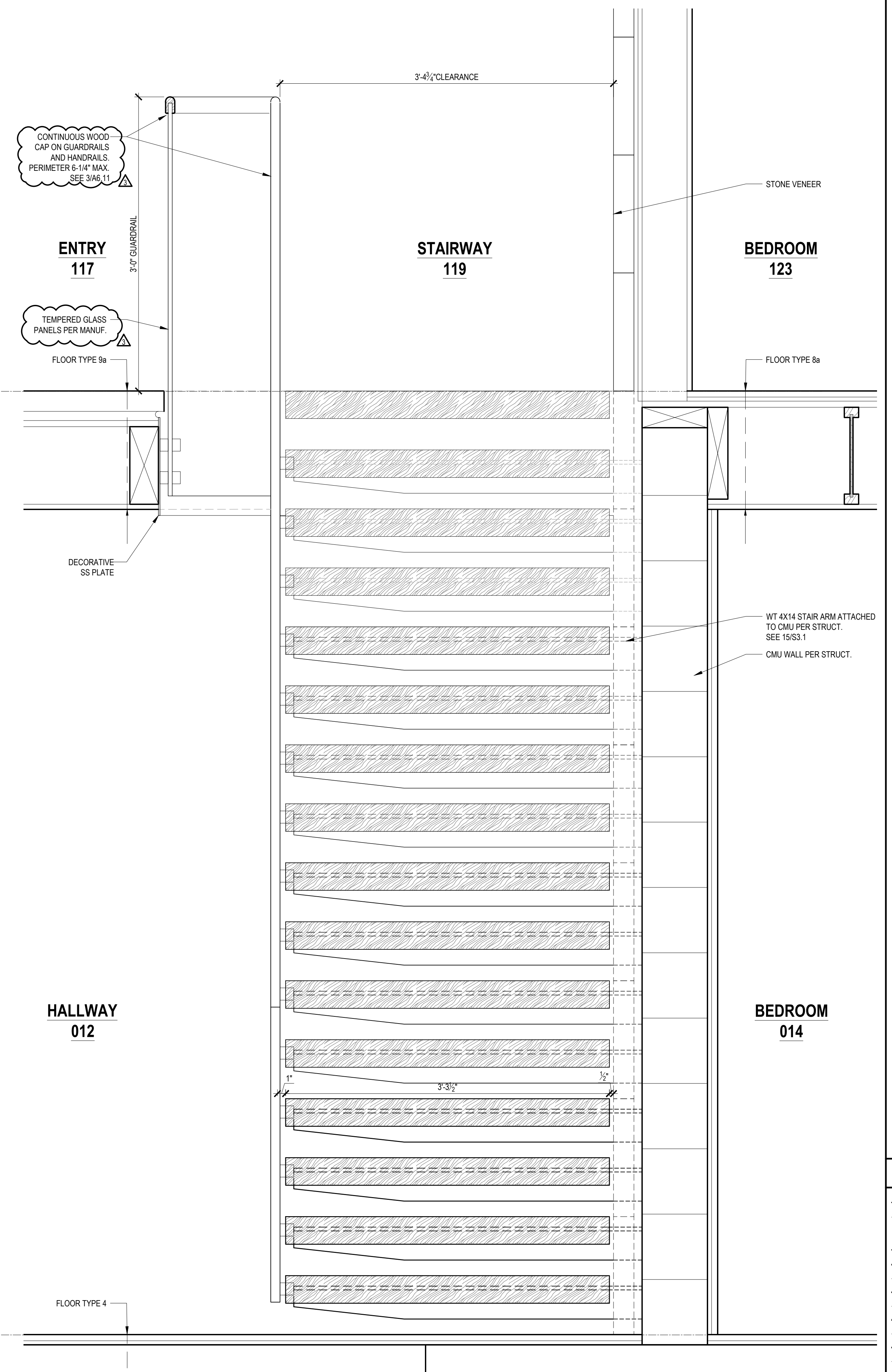
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△ BUILDING CORRECTIONS	07/26/21



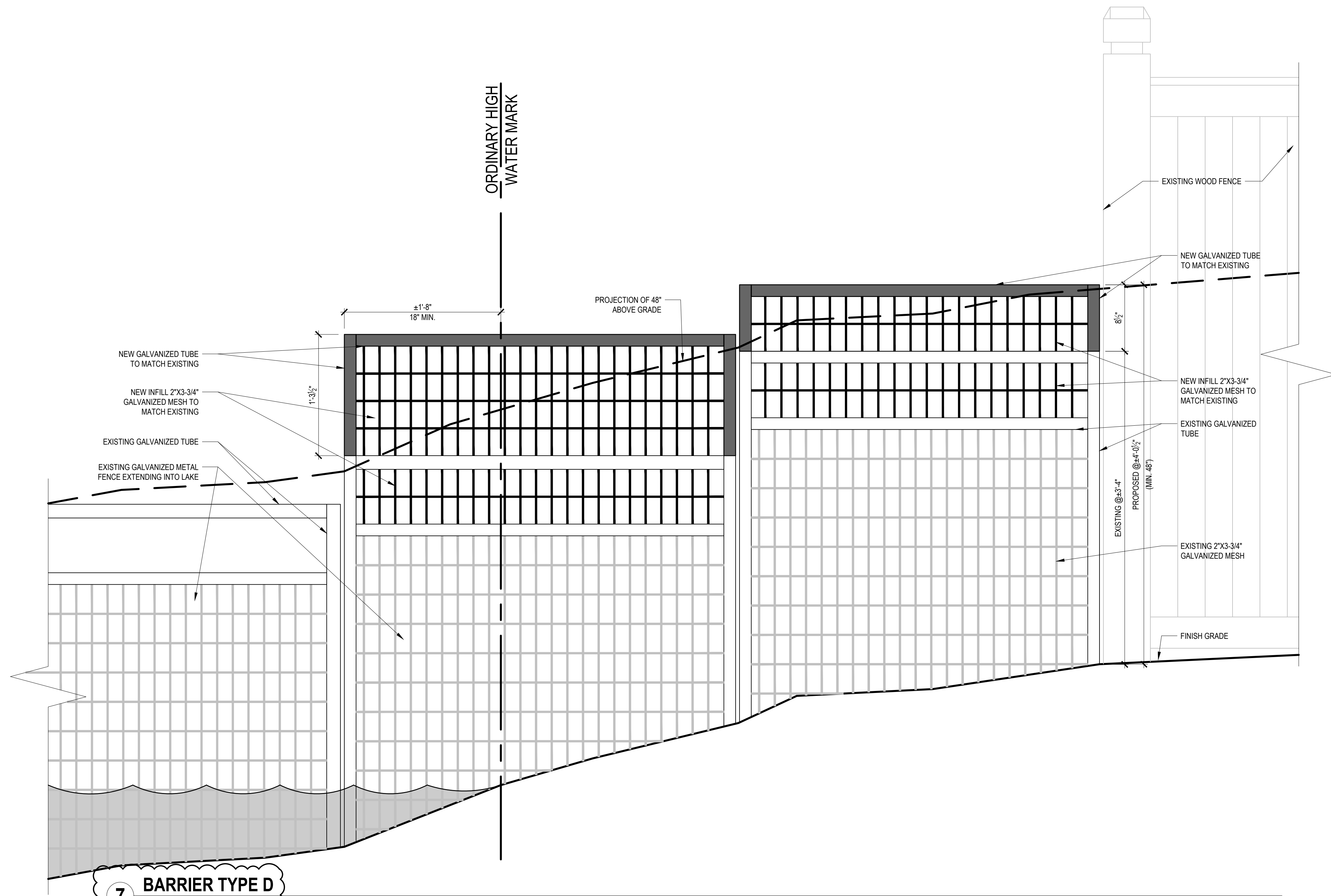
3 STAIRWAY 119 GUARDRAIL AND HANDRAIL DETAIL
3/8" = 1'-0"



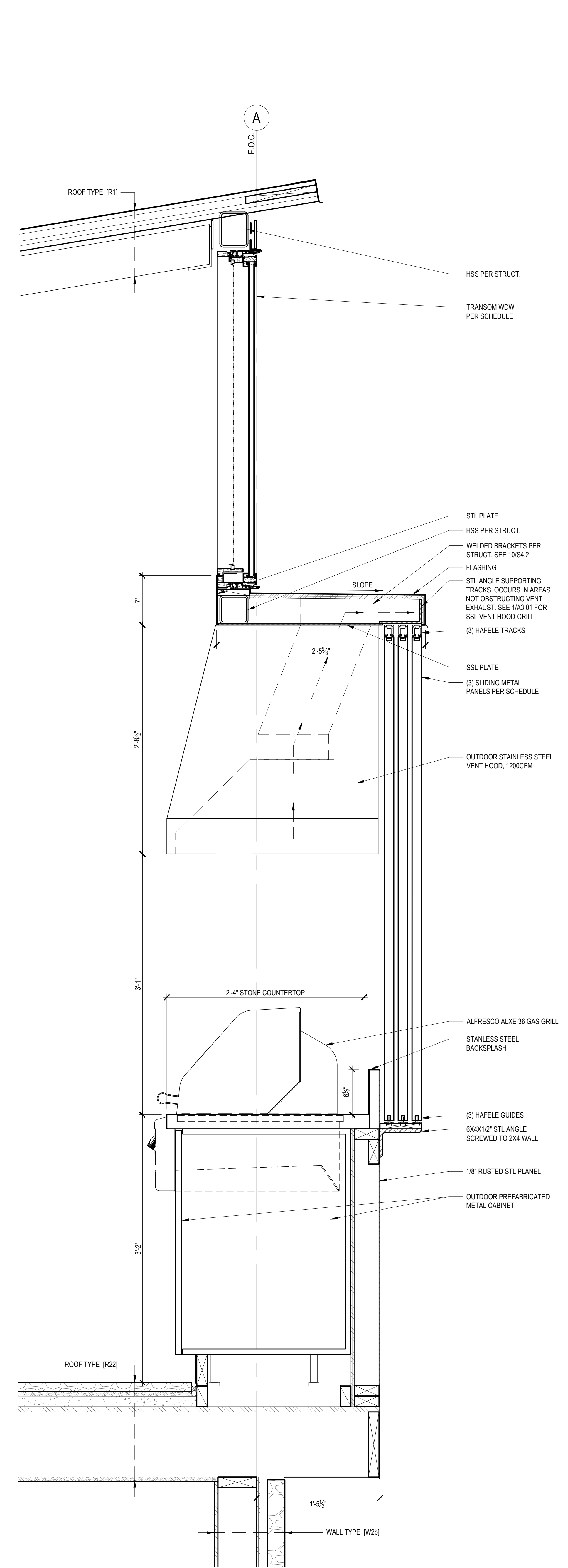
2 STAIRWAY 119 SECTION
1-1/2" = 1'-0"



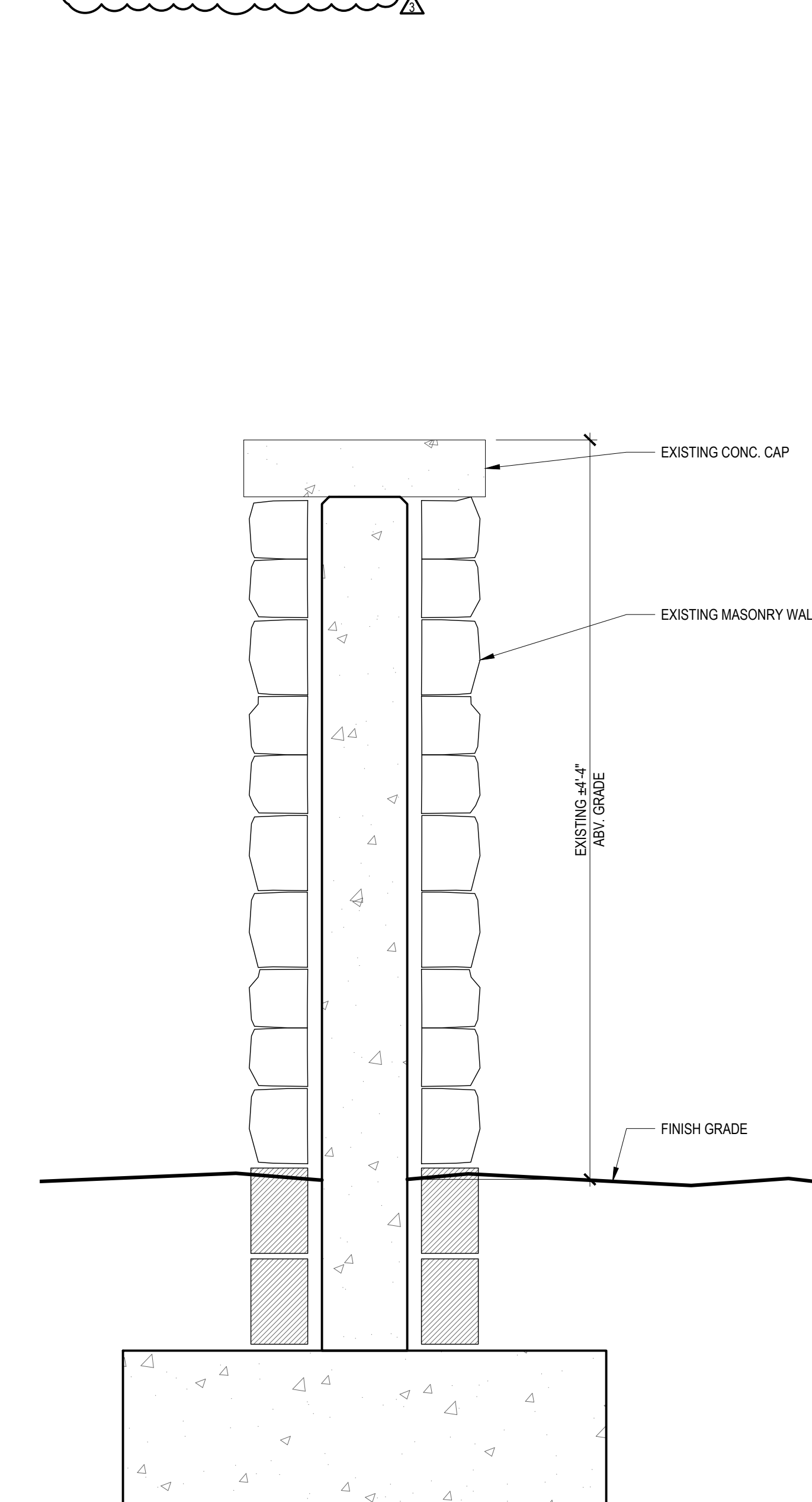
1 STAIRWAY 119 SOUTH ELEVATION
1-1/2" = 1'-0"



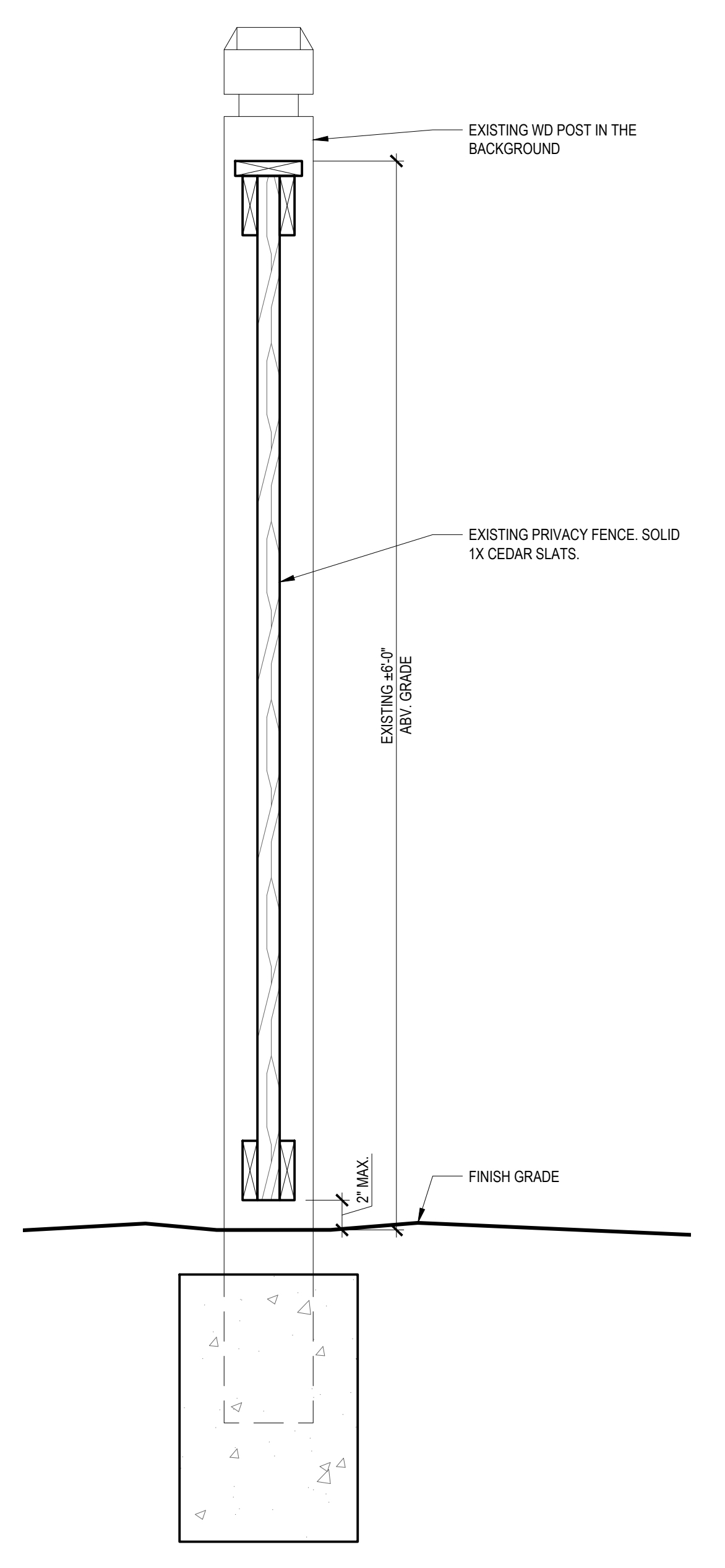
7 BARRIER TYPE D
1-1/2" = 1'-0"



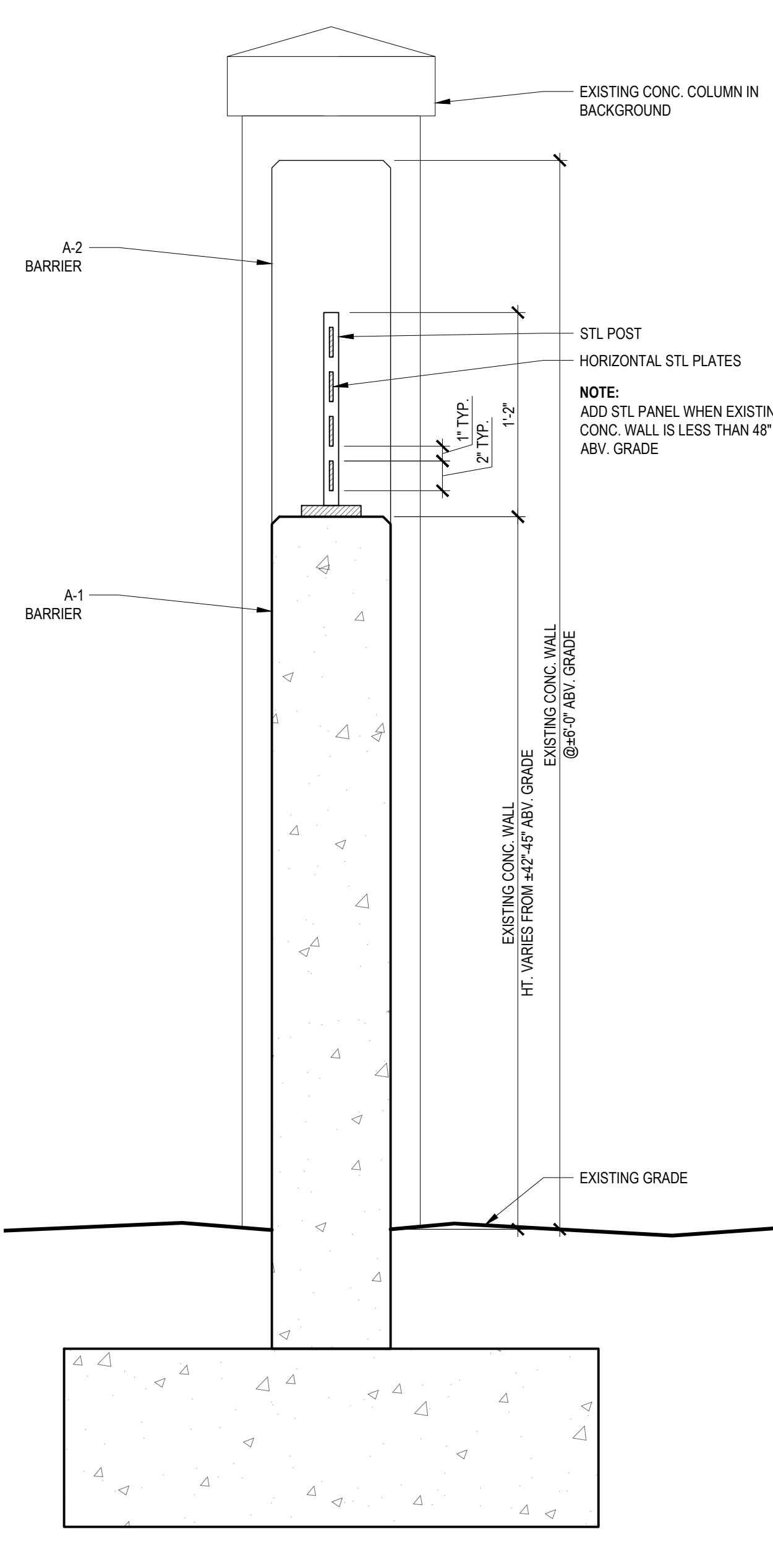
3 FAMILY TERRACE BBQ SECTION DETAIL
1-1/2" = 1'-0"



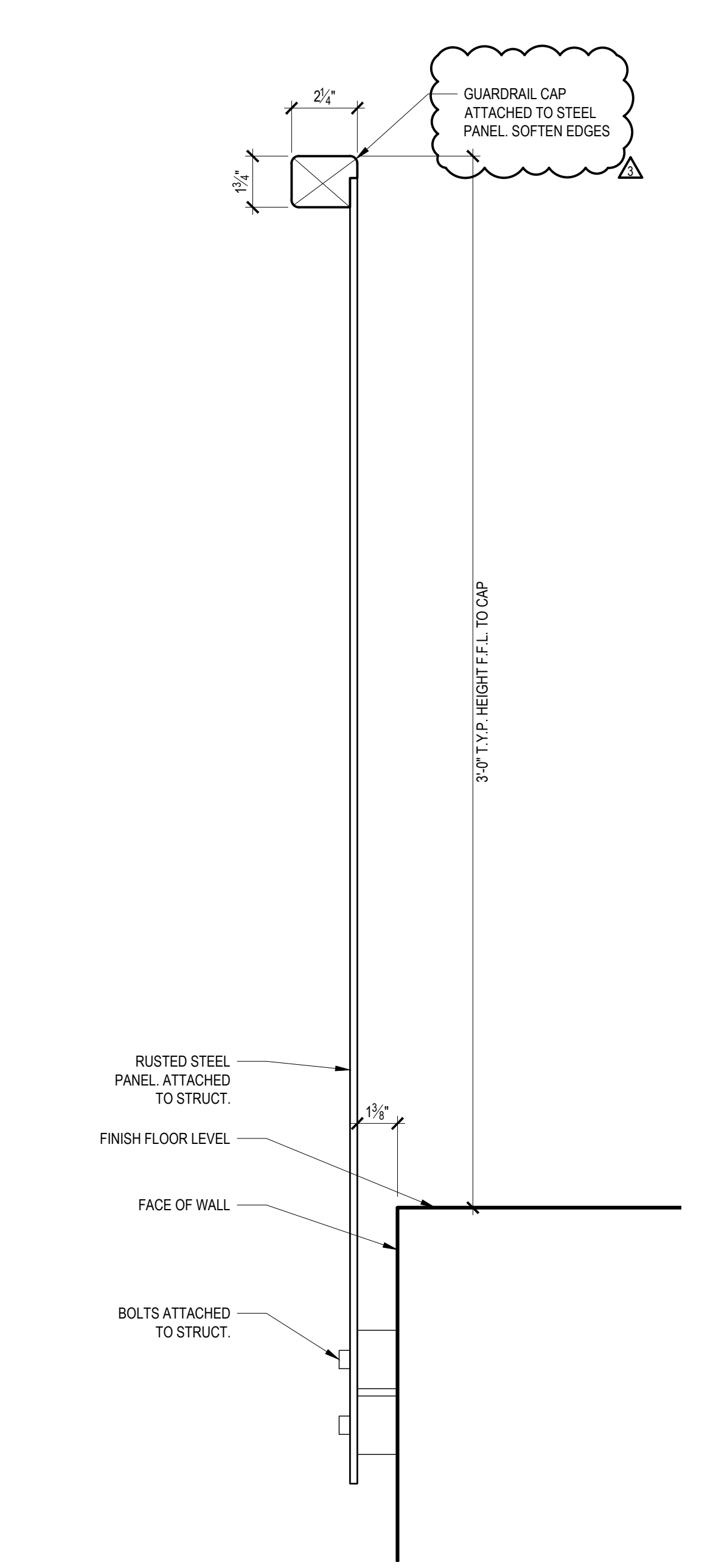
6 BARRIER TYPE C
1-1/2" = 1'-0"



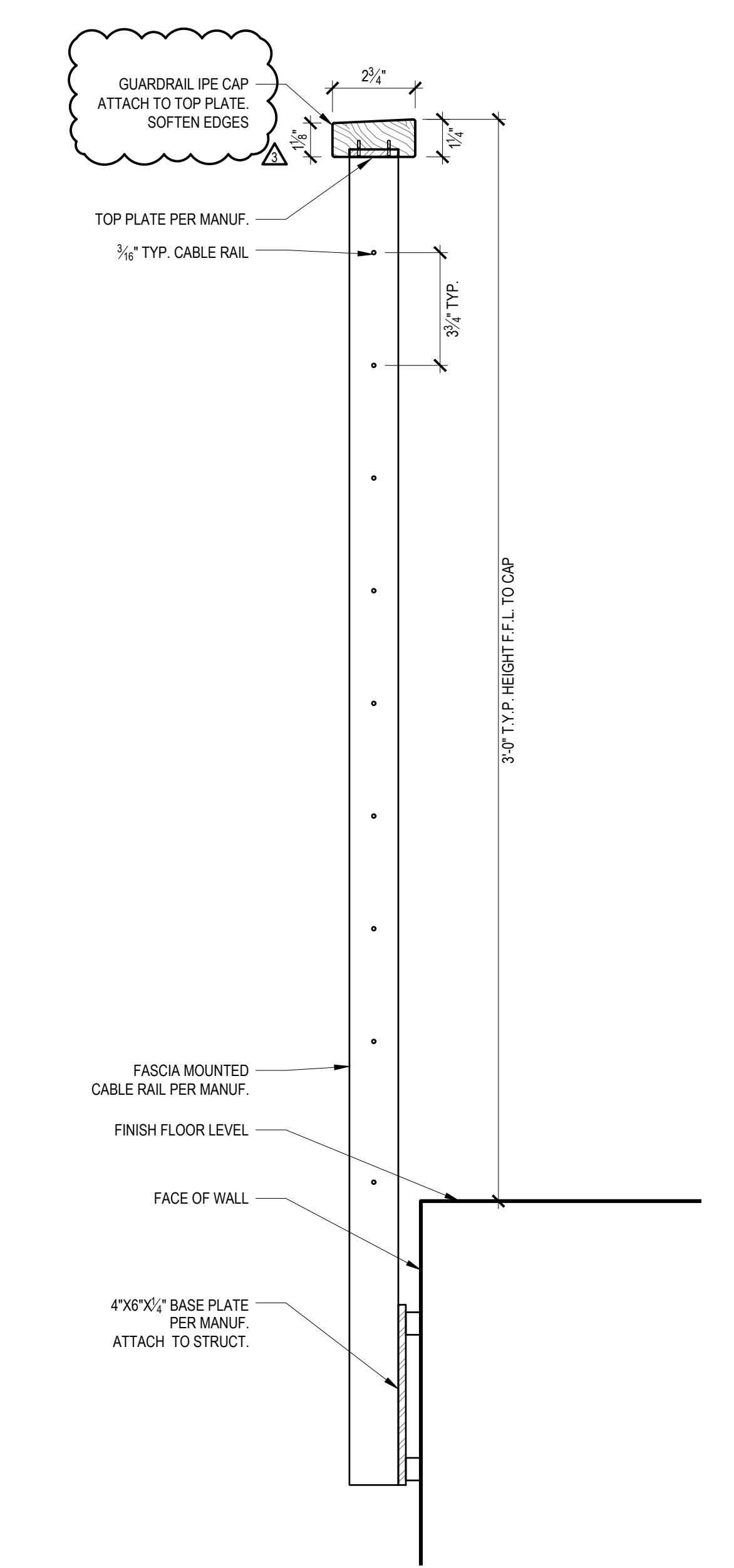
5 BARRIER TYPE B
1-1/2" = 1'-0"



4 BARRIER TYPE A
1-1/2" = 1'-0"



2 TYPICAL STEEL GUARDRAIL DETAIL
3" = 1'-0"



1 TYPICAL CABLE GUARDRAIL DETAIL
3" = 1'-0"

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2300 W COMMODORE WAY SEATTLE, WA 98119

6241 REGISTERED ARCHITECT
ROBERT EDSON SWAIN STATE OF WASHINGTON

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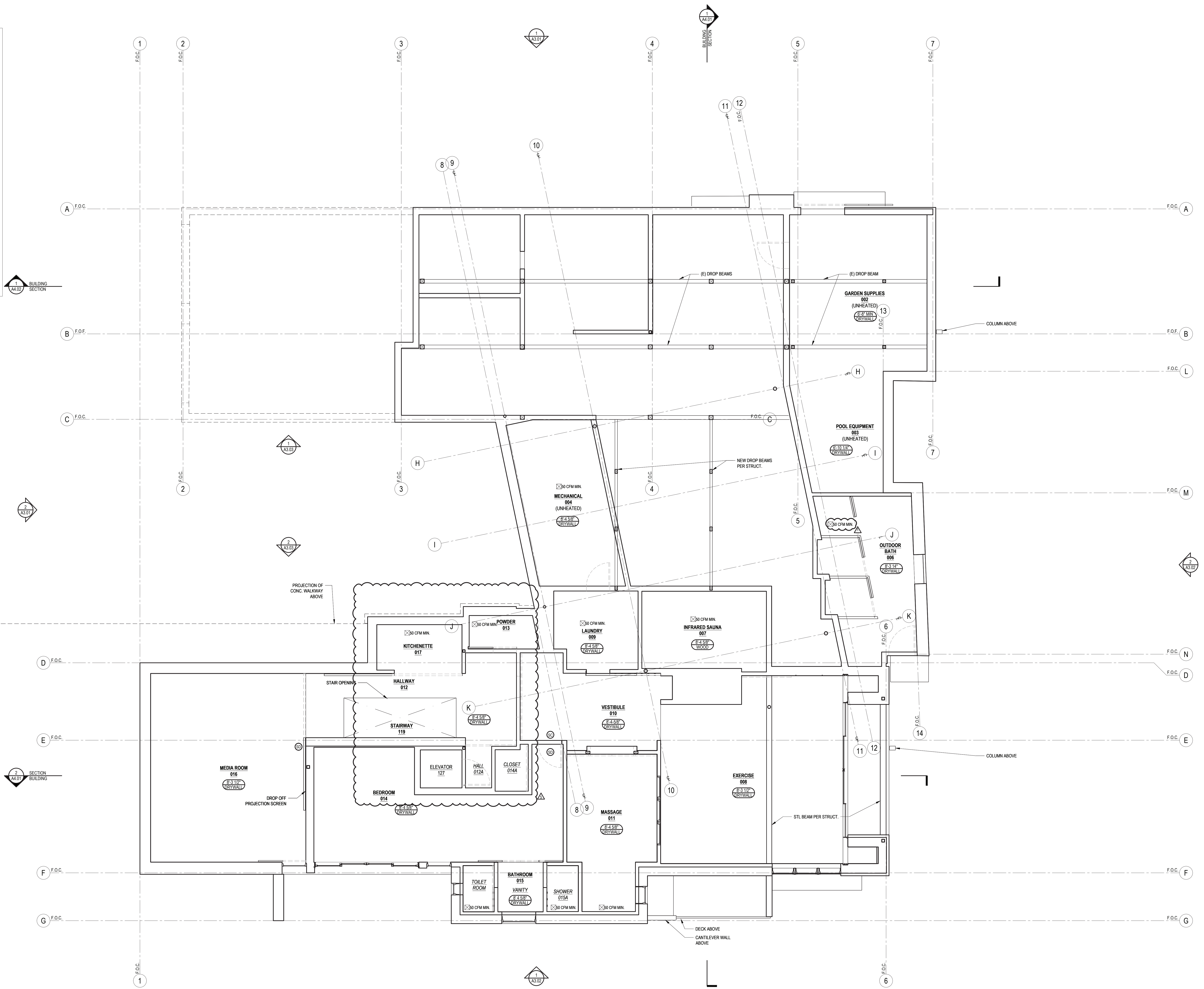
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▲ BUILDING CORRECTIONS	07/08/21
▲ BUILDING CORRECTIONS	07/08/21
▲ BUILDING CORRECTIONS	07/26/21

DETAILS
A6.12

LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- EXISTING CONCRETE WALL TO REMAIN
- EXISTING STONE VENEER
- NEW WOOD FRAMING WALL
- TO BE REMOVED
- CRAWLSPACE
- DOOR ID TAG
- WINDOW ID TAG
- VENTILATION ID
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- SMOKE & CARBON MONOXIDE COMBINED DETECTOR
- GRIDLINE
- EXTERIOR ELEVATION ID
- SECTION ID

- NOTES**
- ALL DIMENSIONS TO FACE OF CONCRETE OR FRAMING U.N.O.
 - ALL EXTERIOR WALLS 2X6 U.N.O.
 - ALL INTERIOR WALLS 2X4 U.N.O.



1 LOWER LEVEL REFLECTED CEILING PLAN
1/4" = 1'-0"

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ROBERT EDSON SWAIN
STATE OF WASHINGTON

LAKE HOUSE
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MERCER ISLAND, WA 98040

PROJECT NO.: 1811
DRAWN: []
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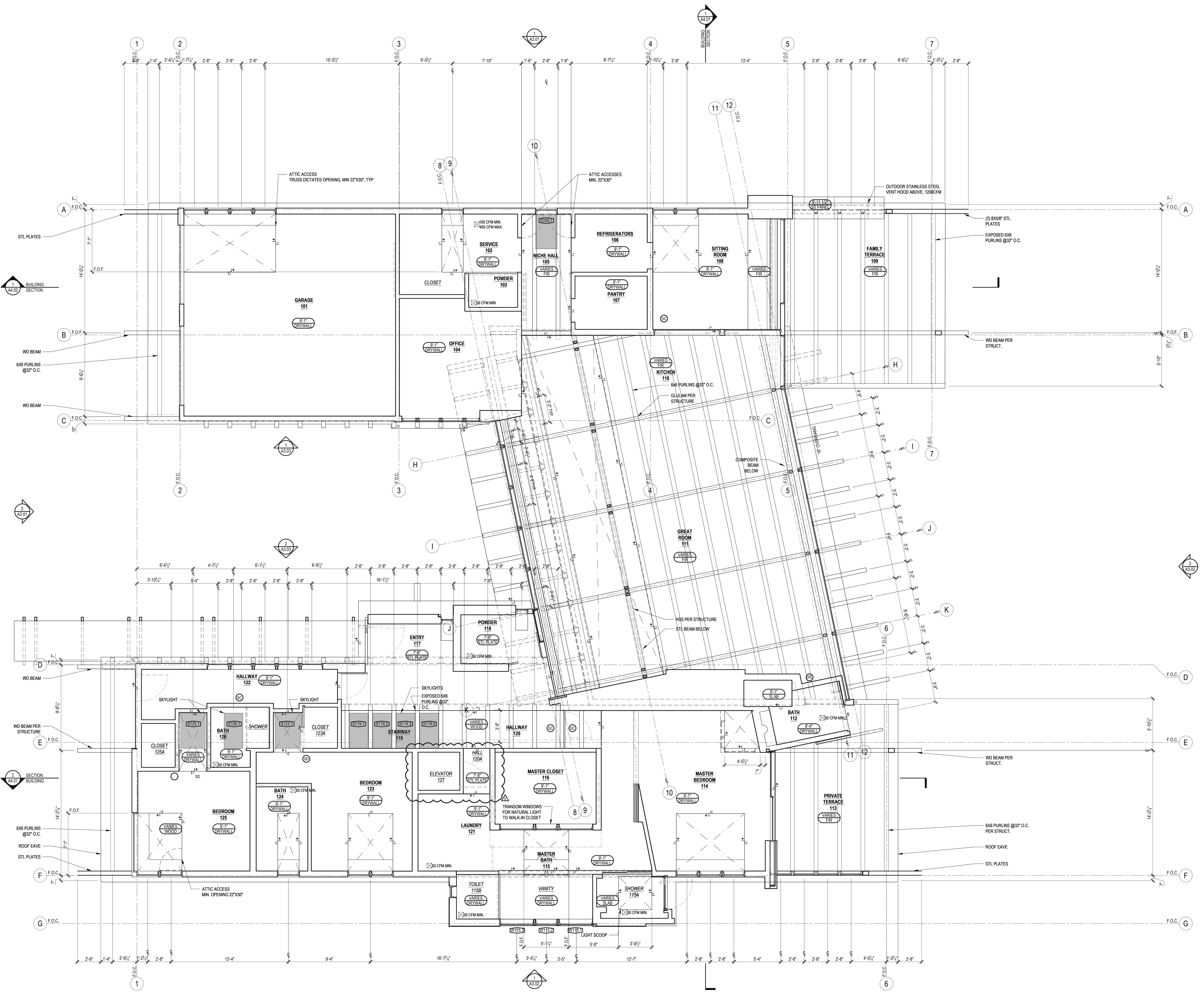
REFLECTED CEILING PLAN
A8.01

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LEGEND

- NEW CONCRETE WALL
- NEW FOOTING
- NEW STONE VENEER
- NEW CMU WALL
- EXISTING CONCRETE WALL TO REMAIN
- EXISTING STONE VENEER
- NEW WOOD FRAMING WALL
- TO BE REMOVED
- CRAWLSPACE
- DOOR ID TAG
- WINDOW ID TAG
- VENTILATION ID
- SMOKE DETECTOR
- CARBON MONOXIDE DETECTOR
- SMOKE & CARBON MONOXIDE COMBINED DETECTOR
- GRIDLINE
- EXTERIOR ELEVATION ID
- SECTION ID

- NOTES**
- ALL DIMENSIONS TO FACE OF CONCRETE OR FRAMING U.N.O.
 - ALL EXTERIOR WALLS 2X6 U.N.O.
 - ALL INTERIOR WALLS 2X4 U.N.O.



1 MAIN LEVEL REFLECTED CEILING PLAN
1/4" = 1'-0"

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SEATTLE, WA 98199

6241 REGISTERED ARCHITECT
ROBERT EDSON SWAIN
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△ CORRECTIONS	
△ BUILDING	07/08/21
△ CORRECTIONS	
△ BUILDING	07/26/21
△ CORRECTIONS	
△ POST-PERMIT	12/17/21
△ REVISIONS	

REFLECTED CEILING PLAN
A8.02

OVERHEAD FENESTRATION SCHEDULE - SKYLIGHT

TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS
S105.1	NICHE HALL	FIXED	COMPOSITE	TBD	TBD	2'-7 1/8"	4'-1 1/2"	10.70	1	0.48	5.14	-	VELUX	FCM	TBD	1,3,4
S119.1	STAIRWAY	FIXED	COMPOSITE	TBD	TBD	2'-7 1/8"	4'-8 1/8"	12.13	1	0.48	5.82	-	VELUX	FCM	TBD	1,3,4
S119.2	STAIRWAY	FIXED	COMPOSITE	TBD	TBD	2'-7 1/8"	4'-8 1/8"	12.13	1	0.48	5.82	-	VELUX	FCM	TBD	1,3,4
S119.3	STAIRWAY	FIXED	COMPOSITE	TBD	TBD	2'-7 1/8"	4'-8 1/8"	12.13	1	0.48	5.82	-	VELUX	FCM	TBD	1,3,4
S119.4	STAIRWAY	FIXED	COMPOSITE	TBD	TBD	2'-7 1/8"	4'-8 1/8"	12.13	1	0.48	5.82	-	VELUX	FCM	TBD	1,3,4
S123.1	BEDROOM	FIXED	COMPOSITE	TBD	TBD	3'-9 5/8"	4'-8 1/8"	17.78	1	0.48	8.54	-	VELUX	FCM	TBD	1,3,4
S125.1	BEDROOM	FIXED	COMPOSITE	TBD	TBD	3'-9 5/8"	4'-8 1/8"	17.78	1	0.48	8.54	-	VELUX	FCM	TBD	1,3,4
S126.1	BATHROOM	OPERABLE	COMPOSITE	TBD	TBD	2'-7 1/8"	4'-8 1/8"	12.13	1	0.52	6.31	-	VELUX	VCE	TBD	1,3,4, ELECTRIC
SUM OF OVERHEAD FENESTRATION								106.92	8	-	51.81					
OVERHEAD FENESTRATION AREA WEIGHTED = UA/AERA =										0.484538396						

REMARKS:

- TEMPERED GLASS / SAFETY GLAZING
- OPAQUE/FROSTED GLAZING
- CUSTOMIZED SHAPE/SIZE
- SHADE

GENERAL NOTES:

- CONTRACTOR TO FIELD VERIFY ROUGH OPENINGS PRIOR TO ORDERING WINDOWS AND DOORS
- SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY OWNER/ARCHITECT PRIOR TO PRODUCTION
- COLOR AND HARDWARE TO BE SELECTED BY OWNER/ARCHITECT
- ALL WINDOWS ARE CLEAR GLASS UNLESS NOTED OTHERWISE
- ALL SKYLIGHTS TO HAVE MIN. 0.5 U-FACTOR

VERTICAL FENESTRATION SCHEDULE - WINDOWS

TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS
W098.1	CHANGING ROOM	PICTURE	TBD	-	-	3'-4"	2'-6"	8.89	1	-	-	-	TBD	TBD	-	2,6
W098.2	NA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
W098.1	EXERCISE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-6 1/2"	2'-6"	2'-6"	6.25	1	0.25	1.56	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	-
W098.2	EXERCISE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-6 1/2"	2'-6"	2'-6"	6.25	1	0.25	1.56	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	-
W098.3	EXERCISE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-6 1/2"	2'-6"	2'-6"	6.25	1	0.25	1.56	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	-
W011.1	MESSAGE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-6 1/2"	2'-6"	2'-6"	6.25	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	7
W011.2	MESSAGE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-6 1/2"	2'-6"	2'-6"	6.25	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	7
W011.3	MESSAGE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-6 1/2"	2'-6"	2'-6"	6.25	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	7
W011.4	MESSAGE	AWNING	ALUM CLAD, WD, GLASS	±2'-0 1/2"	±1'-6 1/2"	2'-0"	1'-6"	3.00	1	0.25	0.75	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	-
W015.1	BATHROOM	AWNING	ALUM CLAD, WD, GLASS	±4'-0 1/2"	±1'-4 1/2"	4'-0"	1'-4"	5.33	1	0.25	1.33	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	-
W015.2	BATHROOM	AWNING	ALUM CLAD, WD, GLASS	±1'-4 1/2"	±1'-4 1/2"	1'-4"	1'-4"	1.78	1	0.25	0.44	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	-
W016.1	MEDIA ROOM	2-PANEL SLIDING	ALUM CLAD, WD, GLASS	±5'-4 1/2"	±5'-0"	5'-4"	4'-11 7/16"	28.42	1	0.25	6.60	-	KOLBE	VISTALUXE COLL. WD LINE - SINGLE SLIDING WINDOWS	TBD	4
LOWER LEVEL UNHEATED AREA AND INTERIOR WINDOWS TOTAL								27.64	4	-	-					
LOWER LEVEL EXTERIOR WINDOWS TOTAL								55.28	7	-	13.82					

MAIN LEVEL - WINDOWS

TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS
W101.1	GARAGE	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	6
W101.2	GARAGE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,6
W101.3	GARAGE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,6
W101.4	GARAGE	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	6
W102.1	SERVICE	CASEMENT	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-6 1/2"	2'-6"	4'-6"	11.25	1	0.25	2.81	-	KOLBE	VISTALUXE COLL. WD LINE - CASEMENTS - ACCENT	TBD	-
W102.2	SERVICE	CASEMENT	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-6 1/2"	2'-6"	4'-6"	11.25	1	0.25	2.81	-	KOLBE	VISTALUXE COLL. WD LINE - CASEMENTS - ACCENT	TBD	-
W102.3	SERVICE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	0.25	2.50	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1
W104.1a	OFFICE	CASEMENT	ALUM CLAD, WD, GLASS	±1'-8 3/4"	±5'-3 1/4"	1'-8 1/4"	5'-2 3/4"	8.82	1	0.25	2.21	-	KOLBE	VISTALUXE COLL. WD LINE - CASEMENTS - ACCENT	TBD	4,13
W104.1b	OFFICE	PICTURE	ALUM CLAD, WD, GLASS	±1'-8 3/4"	±3'-1 1/2"	1'-8 1/4"	3'-1"	5.20	1	0.25	1.30	-	KOLBE	VISTALUXE COLL. WD DIRECT SETS - ACCENT	-	4,13
W104.2a	OFFICE	CASEMENT	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±5'-3 1/4"	2'-6"	5'-2 3/4"	13.07	1	0.25	3.27	-	KOLBE	VISTALUXE COLL. WD LINE - CASEMENTS - ACCENT	TBD	4,13
W104.2b	OFFICE	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±3'-1 1/2"	2'-6"	3'-1"	7.71	1	0.25	1.93	-	KOLBE	VISTALUXE COLL. WD DIRECT SETS - ACCENT	-	4,13
W104.3a	OFFICE	CASEMENT	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±5'-3 1/4"	2'-6"	5'-2 3/4"	13.07	1	0.25	3.27	-	KOLBE	VISTALUXE COLL. WD LINE - CASEMENTS - ACCENT	TBD	4,13

W104.4b	OFFICE	PICTURE	ALUM CLAD, WD, GLASS	±1'-8 3/4"	±3'-1 1/2"	1'-8 1/4"	3'-1"	5.20	1	0.25	1.30	-	KOLBE	VISTALUXE COLL. WD DIRECT SETS - ACCENT	-	4,13
W105.1	NICHE HALL	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	0.25	2.50	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,2
W108.1	SITTING ROOM	PICTURE	ALUM CLAD, WD, GLASS	±5'-2 1/2"	±8'-9"	5'-2"	8'-8 1/2"	44.99	1	0.23	10.35	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W108.2	SITTING ROOM	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	0.25	2.50	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1
W108.3	SITTING ROOM	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	0.23	2.30	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	-
W108.4	SITTING ROOM	PICTURE	ALUM CLAD, WD, GLASS	±5'-1 1/2"	F.V.	9'-1"	SEE ELEV.	23.31	1	0.23	5.36	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W109.1	FAMILY TERRACE	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	6
W109.2	FAMILY TERRACE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,6
W109.3	FAMILY TERRACE	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,6
W109.4	FAMILY TERRACE	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±4'-0 1/2"	2'-6"	4'-0"	10.00	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	6
W111.1	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±7'-7"	F.V.	7'-6 1/2"	SEE ELEV.	21.07	1	0.23	4.85	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	4
W111.2	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±6'-9 7/8"	F.V.	6'-5 3/8"	SEE ELEV.	27.10	1	0.23	6.23	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.3	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±5'-10"	F.V.	5'-9 1/2"	SEE ELEV.	35.34	1	0.23	8.13	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.4	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±9'-4 1/2"	F.V.	9'-4"	SEE ELEV.	81.42	1	0.23	11.83	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.5	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±9'-4 1/2"	F.V.	9'-4"	SEE ELEV.	45.05	1	0.23	10.36	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.6	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±9'-4 1/2"	F.V.	9'-4"	SEE ELEV.	38.70	1	0.23	8.90	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.7	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±7'-8 3/4"	F.V.	7'-8 1/4"	SEE ELEV.	27.11	1	0.23	6.24	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.8	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±4'-9 1/4"	F.V.	4'-7 3/4"	SEE ELEV.	11.37	1	0.23	2.82	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	4
W111.9	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±4'-7 1/2"	±3'-3 3/4"	4'-7"	3'-3 1/4"	14.99	1	0.23	3.45	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.10	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±4'-7 1/2"	±3'-3 3/4"	4'-7"	3'-3 1/4"	14.99	1	0.23	3.45	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.11	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±4'-7 1/2"	±3'-3 3/4"	4'-7"	3'-3 1/4"	14.99	1	0.23	3.45	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.12	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±4'-7 1/2"	±3'-3 3/4"	4'-7"	3'-3 1/4"	14.99	1	0.23	3.45	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.13	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±3'-0"	±3'-3 3/4"	2'-11 1/2"	3'-3 1/4"	9.88	1	0.23	2.23	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	2,4
W111.14	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1/2"	2'-6"	2'-0"	5.33	1	0.23	1.23	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	4
W111.15	GREAT ROOM	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1/2"	2'-6"	2'-0"	5.33	1	0.25	1.33	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,4
W111.16	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1/2"	2'-6"	2'-0"	5.33	1	0.23	1.23	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	4
W111.17	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1/2"	2'-6"	2'-0"	5.33	1	0.23	1.23	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	4
W111.18	GREAT ROOM	AWNING	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1/2"	2'-6"	2'-0"	5.33	1	0.25	1.33	-	KOLBE	VISTALUXE COLL. WD LINE - AWNINGS - ACCENT	TBD	1,4
W111.19	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1/2"	2'-6"	2'-0"	5.33	1	0.23	1.23	-	KOLBE	VISTALUXE COLL. WD LINE - DIRECT SETS - ACCENT	-	4
W111.20	GREAT ROOM	PICTURE	ALUM CLAD, WD, GLASS	±2'-6 1/2"	±2'-0 1											

VERTICAL FENESTRATION SCHEDULE - DOORS

LOWER LEVEL - DOORS																	
TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS	
D00X.1	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
D002.1	GARDEN SUPPLIES	1-PANEL SLIDING	WD	TBD	TBD	5'-6"	6'-6"	-	1	-	-	-	TBD	TBD	TBD	4.8	
D002.2	GARDEN SUPPLIES	SWING	WD	TBD	TBD	3'-0"	5'-0"	-	1	-	-	-	TBD	TBD	TBD	6.11	
D004.1	MECHANICAL	SWING	WD	TBD	TBD	2'-10"	6'-8"	-	1	-	-	-	TBD	TBD	TBD	7	
D006.1	CHANGING ROOM	SWING	TBD	TBD	TBD	3'-0"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	6	
D006.2	CHANGING ROOM	1-PANEL SLIDING	WD	TBD	TBD	2'-4"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D006.3	CHANGING ROOM	1-PANEL SLIDING	WD	TBD	TBD	2'-4"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D007.4	CHANGING ROOM	1-PANEL SLIDING	WD	TBD	TBD	2'-4"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D007.1	INFURATED SAUNA	1-PANEL SLIDING	WD	TBD	TBD	2'-10"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D008.1	EXERCISE	4-PANEL SLIDING	ALUM. GLASS	21'-8 1/2"	8'-8 5/8"	21'-8"	8'-8 1/8"	188.00	1	0.34	63.92	-	SKY-FRAME	SKY-FRAME 2 - ORIGINAL SLIDING DOOR	TBD	1.24	
D009.1	LAUNDRY	1-PANEL SLIDING	WD	TBD	TBD	5'-9 3/4"	8'-4 1/2"	-	1	-	-	-	TBD	TBD	TBD	4.7	
D010.1	VESTIBULE	2-PANEL SLIDING	WD	TBD	TBD	5'-4"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D011.1	MASSAGE	2-PANEL SLIDING	WD	TBD	TBD	5'-4"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D012A.1	HALL	1-PANEL SLIDING	WD	TBD	TBD	3'-0"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D012A.2	HALL	SWING	WD	TBD	TBD	3'-0"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D013.1	POWDER	1-PANEL SLIDING	WD	TBD	TBD	3'-5 1/2"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D014.1	BEDROOM	SWING	WD	TBD	TBD	2'-8"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D014.2	BEDROOM	4-PANEL SLIDING	ALUM. CLAD, WD. GLASS	10'-5 1/2"	6'-11 1/4"	10'-5"	6'-10 3/4"	71.83	1	0.28	20.11	-	KOLBE	VISTALUXE COLL. WD LINE - SLIDING PATIO DOORS	TBD	2.45	
D014A.1	CLOSET	2-PANEL SLIDING	WD	TBD	TBD	5'-4"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D015.1	BATHROOM	3-PANEL SLIDING	WD	TBD	TBD	8'-4 3/8"	8'-4 1/2"	-	1	-	-	-	TBD	TBD	TBD	4.7	
D015.2	BATHROOM	1-PANEL SLIDING	WD	TBD	TBD	2'-8"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7	
D015A.1	SHOWER	1-PANEL SLIDING	GLASS	TBD	TBD	2'-8"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	2.7	
D016.1	MEDIA ROOM	1-PANEL SLIDING	WD	TBD	TBD	8'-6"	8'-4 1/2"	-	1	-	-	-	TBD	TBD	TBD	4.7	
D016.2	MEDIA ROOM	1-PANEL SLIDING	WD	TBD	TBD	5'-8"	4'-11 1/2"	-	1	-	-	-	TBD	TBD	TBD	4.7	
D017.1	KITCHENETTE	1-PANEL SLIDING	WD	TBD	TBD	8'-0"	8'-4 1/2"	-	1	-	-	-	TBD	TBD	TBD	4.7	
LOWER LEVEL UNHEATED AREA AND INTERIOR DOORS TOTAL								-	20	-	-	-	-	-	-	-	
LOWER LEVEL EXTERIOR DOORS TOTAL								259.84	3	-	-	84.03	-	-			

MAIN LEVEL - DOORS																				
TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS				
D101.1	GARAGE	SWING	ALUM. CLAD, WD. GLASS	TBD	TBD	2'-8"	7'-0"	-	1	-	-	-	KOLBE	VISTALUXE COLL. WD LINE - ENTRANCE DOOR	TBD	2.38				
D101.2	GARAGE	1-PANEL SLIDING	WD	TBD	TBD	3'-2"	7'-0"	22.17	1	0.16	3.55	-	TBD	TBD	TBD	8				
D101.3	GARAGE	OVERHEAD GARAGE	TBD	TBD	TBD	9'-0"	7'-4"	-	1	-	-	-	TBD	TBD	TBD	6				
D101.4	GARAGE	OVERHEAD GARAGE	TBD	TBD	TBD	9'-0"	7'-4"	-	1	-	-	-	TBD	TBD	TBD	6				
D103.1	POWDER	1-PANEL SLIDING	WD	TBD	TBD	2'-10"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D104.1	OFFICE	3-PANEL SLIDING	WD	TBD	TBD	10'-7 1/2"	9'-0 1/2"	-	1	-	-	-	TBD	TBD	TBD	7				
D105.1	NICHE HALL	SWING	STEEL INSULATION	TBD	TBD	2'-6"	1'-10"	4.58	1	0.048	0.22	-	TBD	-	TBD	12				
D105.2	NICHE HALL	SWING	STEEL INSULATION	TBD	TBD	2'-6"	1'-10"	4.58	1	0.048	0.22	-	TBD	-	TBD	12				
D107.1	PANTRY	1-PANEL SLIDING	WD	TBD	TBD	2'-8"	9'-0 1/4"	-	1	-	-	-	TBD	TBD	TBD	7				
D108.1	SITTING ROOM	3-PANEL SLIDING	ALUM. GLASS	19'-0 3/4"	9'-3 1/2"	19'-0 1/4"	9'-3"	175.94	1	0.34	59.82	-	SKY-FRAME	SKY-FRAME 2 - ORIGINAL SLIDING DOOR	TBD	1.24,14				
D108.2	SITTING ROOM	2-PANEL SLIDING	WD	TBD	TBD	4'-0"	SEE ELEV.	-	1	-	-	-	TBD	TBD	TBD	4.7				
D108.3	SITTING ROOM	4-PANEL SLIDING	WD	TBD	TBD	8'-4"	6'-9"	-	1	-	-	-	TBD	TBD	TBD	4.7				
D108.4	SITTING ROOM	1-PANEL SLIDING	WD	TBD	TBD	3'-2"	9'-1"	-	1	-	-	-	TBD	TBD	TBD	4.7				
D109.1	FAMILY TERRACE	4-PANEL SLIDING	STEEL	TBD	TBD	10'-7"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	6				
D111.1	GREAT ROOM	3-PANEL SLIDING	ALUM. GLASS	TBD	TBD	36'-4 3/8"	12'-1 7/16"	440.73	1	0.34	149.85	-	SKY-FRAME	SKY-FRAME 2 - ORIGINAL SLIDING DOOR	TBD	1.24,14				
D111.2	GREAT ROOM	4-PANEL SLIDING	ALUM. GLASS	TBD	TBD	19'-1"	8'-5 5/8"	161.61	1	0.34	54.95	-	SKY-FRAME	SKY-FRAME 2 - ORIGINAL SLIDING DOOR	TBD	1.24				
D111.3	GREAT ROOM	PIVOT	ALUM. GLASS	TBD	TBD	3'-7 5/8"	8'-7 3/4"	31.43	1	0.55	17.29	-	SKY-FRAME	SKY-FRAME 2 - PIVOT	TBD	2.4				
D112.1	BATH	1-PANEL SLIDING	ALUM. CLAD, WD. GLASS	TBD	TBD	3'-0"	8'-2 1/8"	24.53	1	0.28	6.38	-	KOLBE	VISTALUXE COLL. WD LINE - SLIDING DOOR	TBD	2.34				
D112.2	BATH	1-PANEL SLIDING	GLASS	TBD	TBD	3'-0"	8'-4 5/8"	-	1	-	-	-	TBD	TBD	TBD	2.7				
D113.1	PRIVATE TERRACE	3-PANEL SLIDING	WD	TBD	TBD	10'-7"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	4.6				
D114.1	MASTER BEDROOM	2-PANEL SLIDING	ALUM. GLASS	10'-3 1/2"	9'-3 1/2"	10'-3"	9'-3"	94.61	1	0.34	32.24	-	SKY-FRAME	SKY-FRAME 2 - ORIGINAL SLIDING DOOR	TBD	1.24,5,14				
D114.2	MASTER BEDROOM	3-PANEL SLIDING	WD	TBD	TBD	12'-8"	9'-1"	-	1	-	-	-	TBD	TBD	TBD	4.7				
D114.3	MASTER BEDROOM	SWING	WD	TBD	TBD	3'-0"	7'-7 5/8"	-	1	-	-	-	TBD	TBD	TBD	4.7				
D115.1	MASTER BATH	1-PANEL POCKET	WD	TBD	TBD	2'-10"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	4.7				
D115A.1	SHOWER	2-PANEL SLIDING	GLASS	TBD	TBD	5'-6"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	2.47				
D115A.2	SHOWER	PIVOT	ALUM. GLASS	3'-11 3/4"	8'-5"	3'-11 1/4"	8'-4 1/2"	32.98	1	0.55	16.14	-	SKY-FRAME	SKY-FRAME 2 - PIVOT	TBD	2.4				
D115B.1	TOILET	2-PANEL SLIDING	WD	TBD	TBD	2'-8"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D116.1	MASTER CLOSET	1-PANEL POCKET	WD	TBD	TBD	2'-10"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D116.2	MASTER CLOSET	1-PANEL POCKET	WD	TBD	TBD	2'-10"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D117.1	ENTRY	SWING	WD	TBD	TBD	3'-0"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D117.2	ENTRY	PIVOT	ALUM. CLAD, WD	TBD	TBD	5'-1 1/2"	7'-8 1/2"	39.51	1	0.48	16.17	-	KOLBE	VISTALUXE COLL. WD LINE - ENTRANCE DOOR	TBD	4.5				
D118.1	POWDER	SWING/PIVOT	WD	TBD	TBD	2'-10"	7'-8"	-	1	-	-	-	TBD	TBD	TBD	7				
D120A.1	HALL	SWING	WD	TBD	TBD	3'-0"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D121.1	LAUNDRY	1-PANEL SLIDING	WD	TBD	TBD	3'-6"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D122.1	HALLWAY	SWING	ALUM. CLAD, WD. GLASS	TBD	TBD	3'-0"	7'-5"	22.25	1	0.28	5.79	-	KOLBE	VISTALUXE COLL. WD LINE - ENTRANCE DOOR	TBD	2.34				
D123.1	BEDROOM	SWING	WD	TBD	TBD	2'-8"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D123A.1	CLOSET	2-PANEL SLIDING	WD	TBD	TBD	4'-1"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D124.1	BATH	1-PANEL SLIDING	WD	TBD	TBD	2'-10"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D124.2	SHOWER	2-PANEL SLIDING	GLASS	TBD	TBD	5'-6"	8'-0"	-	1	-	-	-	TBD	TBD	TBD	2.47				
D125.1	BEDROOM	SWING	WD	TBD	TBD	2'-8"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D125.2	BEDROOM	SWING	STEEL INSULATION	TBD	TBD	2'-6"	1'-10"	4.58	1	0.048	0.22	-	TBD	-	TBD	12				
D125A.1	CLOSET	2-PANEL SLIDING	WD	TBD	TBD	5'-0"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
D126.1	SHOWER	2-PANEL SLIDING	GLASS	TBD	TBD	4'-7 1/2"	9'-1"	-	1	-	-	-	TBD	TBD	TBD	2.47				
D126.2	BATH	2-PANEL SLIDING	WD	TBD	TBD	5'-2"	7'-0"	-	1	-	-	-	TBD	TBD	TBD	7				
MAIN LEVEL UNHEATED AREA AND INTERIOR DOORS TOTAL								-	31	-	-	-	-	-	-					
MAIN LEVEL EXTERIOR DOORS TOTAL								1059.71	13	-	-	366.82	-	-						
SUMMARY OF DOORS																				
SUM UNHEATED AREA AND INTERIOR DOORS								-	51	-	-	-	-	-	-	-	-	-		
SUM EXTERIOR DOORS								1319.54	16	-	-	450.85	-	-						
SUMMARY OF VERTICAL FENESTRATION																				
SUM OF VERTICAL FENESTRATION								2276.76	-	-	-	-	-	-	-	-	-	-	-	
VERTICAL FENESTRATION AREA WEIGHTED = U(A)AREA = 0.2882								679.01	-	-	-	-	-	-	-	-	-	-	-	-

VERTICAL FENESTRATION SCHEDULE - EXISTING DETACHED GARAGE

GARAGE - DOORS																	
TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS	
D127.1	DETACHED GARAGE	SWING	REUSE	TBD	TBD	2'-10"	7'-10"	22.19	1	-	-	-	EX	EX	(E)	6.10	
D127.2	DETACHED GARAGE	OVERHEAD GARAGE	REUSE	TBD	TBD	16'-0"	8'-0"	128.00	1	-	-	-	EX	EX	(E)	6.9	
D127A.1	POWDER	SWING	EX TO REMAIN	EX	EX	2'-6"	6'-9"	16.88	1	-	-	-	EX	EX	(E)	6.7	
D127B.1	STORAGE	SWING	EX TO REMAIN	EX	EX	2'-6"	6'-9"	16.88	1	-	-	-	EX	EX	(E)	6.7	

- REMARKS:
- MOTORIZED
 - SAFETY GLAZING
 - FROSTED GLAZING
 - CUSTOMIZED SHAPE/SIZE
 - EGRESS
 - UNHEATED SPACE
 - INTERIOR
 - 20MIN. FIRE RATED SELF-CLOSING DOOR
 - REUSE EX GARAGE DOOR & HARDWARE
 - REUSE EX MAN DOOR & HARDWARE
 - CRAWL SPACE ACCESS
 - ATTIC SPACE ACCESS
 - MULLED
 - WATER HAZARD ENTRANCE. PROVIDE ALARM IN ACCORDANCE WITH UL 2017 PER 305.4 ISPS

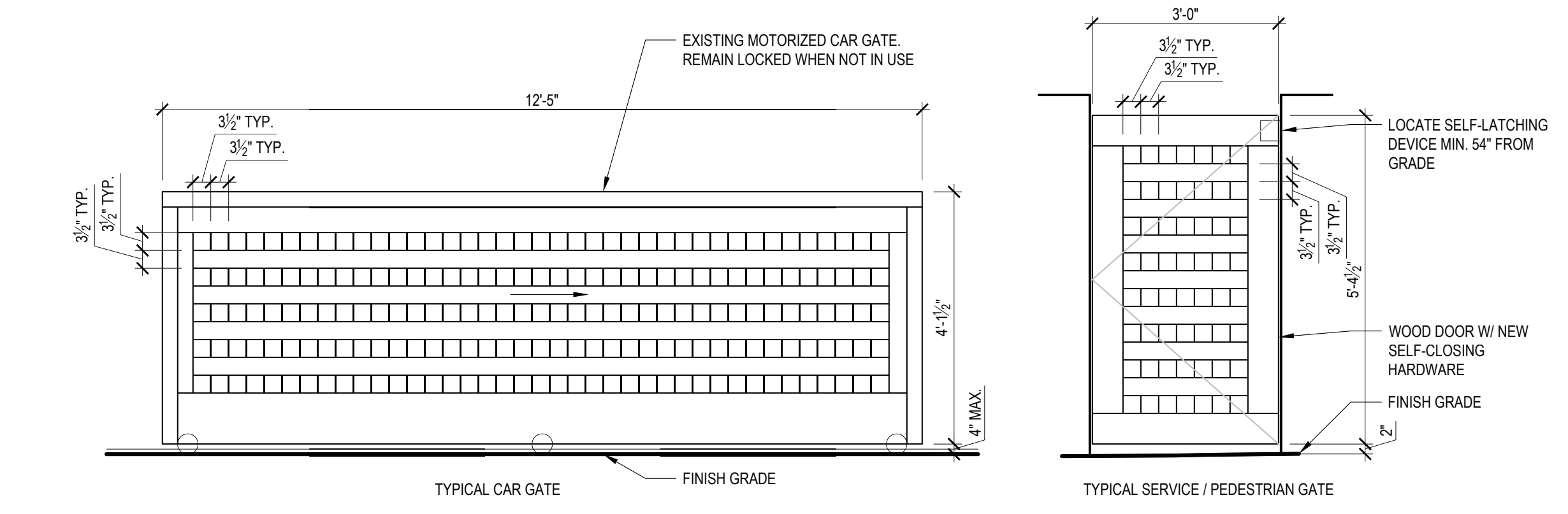
- GENERAL NOTES:
- CONTRACTOR TO FIELD VERIFY ROUGH OPENINGS PRIOR TO ORDERING WINDOWS AND DOORS
 - SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY OWNER/ARCHITECT PRIOR TO PRODUCTION
 - COLOR AND HARDWARE TO BE SELECTED BY OWNER/ARCHITECT
 - ALL WINDOWS ARE CLEAR GLASS UNLESS NOTED OTHERWISE
 - ALL SHADES LOCATION TBD
 - ALL KOLBE WINDOWS TO HAVE E270 W/ 189 COATING TO MEET U-FACTOR 0.25MIN

EXTERIOR GATE SCHEDULE & ELEVATIONS

GARAGE - DOORS																	
TAG	LOCATION	OPERATION	MATERIAL	WIDTH (R.O.)	HEIGHT (R.O.)	WIDTH (NET)	HEIGHT (NET)	NET AREA (SF)	QTY.	U-FACTOR	UA	SHGC	MANUFACTURE	MODEL	HARDWARE	REMARKS	
G001	SOUTH GATE	SLIDING	EX TO REMAIN	EX	EX	12'-5"	4'-1 1/2"	51.22	1	-	-	-	EX	EX	(E)	1.2,6,7	
G002	MAIN ENTRANCE	SLIDING	EX TO REMAIN	EX	EX	12'-5"	4'-1 1/2"	51.22	1	-	-	-	EX	EX	(E)	1.2,6,7	
G003	DUMPSTER AREA	SWING - OUTWARD	EX TO REMAIN	EX	EX	3'-0"	5'-4 1/2"	26.88	1	-	-	-	EX	EX	TBD, REQUIREMENTS SEE REMARK	3,4,5,7	
G004	WATERFRONT	SWING - OUTWARD	WOOD	EX	EX	3'-0"	5'-4 1/2"	26.88	1	-	-	-	TBD	-	TBD, REQUIREMENTS SEE REMARK	3,4,5	

- REMARKS:
- MOTORIZED
 - KEYPAD FOR ACCESS
 - SELF-CLOSING
 - SELF-LATCHING
 - MAX 2" FROM THE BOTTOM OF THE GATE TO THE GRADE
 - MAX 4" FROM THE BOTTOM OF THE GATE TO THE GRADE
 - REMAIN LOCKED WHEN NOT IN USE

- GENERAL NOTES:
- CONTRACTOR TO FIELD VERIFY ROUGH OPENINGS PRIOR TO ORDERING WINDOWS AND DOORS
 - SHOP DRAWINGS TO BE REVIEWED AND APPROVED BY OWNER/ARCHITECT PRIOR TO PRODUCTION
 - COLOR AND HARDWARE TO BE SELECTED BY OWNER/ARCHITECT



ROOF TYPE SCHEDULE

ROOF/CEILING TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
R1		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -1"x4" FURRING @ 24" O.C. -W/ 1" RIGID INSULATION -PLYWOOD ROOF SHEATHING PER STRUCTURE -3/4" DOUGLAS FIR T&G CEILING -PURLIN AND CONNECTION PER STRUCTURE	-UNVENTED -@FAMILY TERRACE 109 AND PRIVATE TERRACE 113	
R2		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF TRUSSES PER STRUCTURE -ROOF SHEATHING PER STRUCTURE -5/8" GWB	-VENTED	
R3		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF TRUSSES PER STRUCTURE -W/ AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -VAPOR BARRIER -5/8" GWB	-VENTED	
R3 SIM		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF FRAMING PER STRUCTURE -W/ AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -DROPPED CEILING FRAMING -VAPOR BARRIER -5/8" GWB	-VENTED	
R4		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF FRAMING PER STRUCTURE -W/ AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -DROPPED CEILING FRAMING -VAPOR BARRIER -5/8" GWB -1/8" STL PLATE	-VENTED	
R4 SIM		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF FRAMING PER STRUCTURE -W/ AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -DROPPED CEILING FRAMING -VAPOR BARRIER -5/8" GWB, PAINT COLOR TBD -1/8" STL PLATE, FINISH TBD	-VENTED	
R5		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF FRAMING PER STRUCTURE -W/ AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -VAPOR BARRIER -PLYWOOD ROOF SHEATHING PER STRUCTURE -3/4" DOUGLAS FIR T&G CEILING -PURLIN AND CONNECTION PER STRUCTURE	-VENTED	
R6		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF FRAMING PER STRUCTURE -W/ AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -DROPPED CEILING FRAMING -VAPOR BARRIER -5/8" GWB, PAINT COLOR TBD -1/8" STL PLATE, FINISH TBD	-UNVENTED -@ GREAT ROOM 111 AND KITCHEN 110	
R7		-STANDING SEAM METAL ROOFING, SPEC TBD -DRAINAGE MAT, TBD -W.R.B., TBD -5/8" PLYWOOD ROOF SHEATHING -1" BLOCKING @ 24" O.C. -PLYWOOD ROOF SHEATHING PER STRUCTURE -FLAT 2x4 SPACER -PURLIN PER STRUCTURE -AIR SPACE FOR ATTIC VENT -W/ MIN. R-49 BATT INSULATION -DROPPED CEILING FRAMING PER STRUCTURE -VAPOR BARRIER -5/8" GWB	-@GARAGE 101 AND BATH 112 -NO INSULATION @GARAGE 101	
R8		-MEMBRANE ROOFING TBD -COVER BOARD -TAPERED RIGID INSULATION, MIN. R-10 -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF RAFTER PER STRUCTURE -W/ MIN. R-38 CLOSE-CELL SPRAY FOAM -5/8" GWB -1/8" STL PLATE	-UNVENTED -SLOPE TO BE DETERMINED	
R9		-MEMBRANE ROOFING TBD -COVER BOARD -TAPERED RIGID INSULATION, MIN. R-10 -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF RAFTER PER STRUCTURE -W/ MIN. R-38 CLOSE-CELL SPRAY FOAM -5/8" GWB	-UNVENTED -SLOPE TO BE DETERMINED	
R10		-MEMBRANE ROOFING TBD -COVER BOARD -TAPERED RIGID INSULATION, MIN. R-10 -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF RAFTER PER STRUCTURE -W/ MIN. R-38 CLOSE-CELL SPRAY FOAM -1/2" CEMENT BOARD -1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) -3CM STONE SLAB (OR 2CM)	-UNVENTED -@ SHOWER 115A	

ROOF TYPE SCHEDULE

ROOF/CEILING TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
R11		-METAL ROOFING, TBD -W.R.B. -DRAINAGE MAT -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF RAFTERS PER STRUCTURE -W/ MIN. R-38 AIR-IMPERMEABLE INSULATION -5/8" GWB	-UNVENTED -@ MASTER BEDROOM 116 LIGHT TOWER	
R12		-METAL ROOFING TBD -W.R.B. -DRAINAGE MAT -PLYWOOD ROOF SHEATHING PER STRUCTURE -ROOF RAFTERS PER STRUCTURE -W/ MIN. R-38 AIR-IMPERMEABLE INSULATION -1/2" CEMENT BOARD -1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) -3CM STONE SLAB (OR 2CM)	-UNVENTED -@ SHOWER 115A LIGHT TOWER	
R21		-2 1/2" STONE PAVER PER SPEC -MIN. 1" MORTAR SETTING BED, SLOPED -2" CUSTOMIZED CONCRETE SLAB -W.R.B., TBD -PLYWOOD SHEATHING PER STRUCTURE -FRAMING PER STRUCTURE -W/ MIN. R-38 CLOSE-CELL SPRAY FOAM -5/8" GWB, PAINT COLOR TBD	-UNVENTED	
R22		-2 1/2" STONE PAVER PER SPEC -MIN. 1" MORTAR SETTING BED, SLOPED -2" CUSTOMIZED CONCRETE SLAB -W.R.B., TBD -PLYWOOD SHEATHING PER STRUCTURE -FRAMING PER STRUCTURE -W/ MIN. 2IN CLOSE-CELL SPRAY FOAM -5/8" GWB, PAINT COLOR TBD	-UNVENTED	
R22 SIM		-2 1/2" STONE PAVER PER SPEC -MIN. 1" MORTAR SETTING BED, SLOPED -2" HIGH-STRENGTH MINI SLAB -W.R.B., TBD -PLYWOOD SHEATHING PER STRUCTURE -FRAMING PER STRUCTURE -W/ MIN. 2IN CLOSE-CELL SPRAY FOAM -5/8" GREENBOARD	-UNVENTED -@ OUTSIDE OF GYM	
R23		-MEMBRANE ROOFING TBD -1/2" PLYWOOD SHEATHING PER STRUCTURE -TAPERED RIGID INSULATION, SLOPE @ 1/4" MIN. -(E) NEW 6" COMPOSITE SLAB W/ METAL DECK -INTERIOR FINISH TO REMAIN MATCH (E)	-UNVENTED -@ DETACHED GARAGE	
R23 SIM		-DECK MATERIAL TBD -FURRING STRIP -W.R.B., TBD -PT PLYWOOD SHEATHING PER STRUCTURE, SLOPED -FRAMING PER STRUCTURE, PAINTED AS REQUIRED	-@TERRACE OUTSIDE OF MASTER SHOWER	

FLOOR TYPE SCHEDULE

FLOOR TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
F1		-MIN. 6 MIL POLYETHYLENE OR EQUIVALENT VAPOR BARRIER -4" UNIFORM LAYER OF CLEAN AGGREGATE, PASS THROUGH 2" SIEVE AND BE RETAINED BY 1/4" SIEVE. -NATIVE SOIL	-VAPOR BARRIER TO BE CONTINUOUS. JOINTS SHALL OVERLAP BY 6 INCHES AND SHALL BE SEALED. THE EDGES SHALL EXTEND AT LEAST 6 INCHES UP THE STEM WALL AND SHALL BE SEALED.	
F2		-SEALER FINISH PER SCHEDULE -CONCRETE SLAB PER STRUCTURE -W/ RADIANT HEATING TUBES -VAPOR BARRIER -MIN. R-10 RIGID INSULATION -4" FREE DRAINING MATERIAL	-REMOVE RADIANT HEATING TUBES AND INSULATION IN UNHEATED BASEMENT AREA, INCLUDING 002.003.006.101	
F3		-CARPET W/ PAD -1/2" PLYWOOD -1/2" PRESSURE TREATED PLYWOOD SUBFLOOR -CONCRETE SLAB PER STRUCTURE -W/ RADIANT HEATING TUBES -VAPOR BARRIER -MIN. R-10 RIGID INSULATION -4" FREE DRAINING MATERIAL		
F4		-3/4" WOOD FLOOR -1/2" PLYWOOD -1/2" PRESSURE TREATED PLYWOOD SUBFLOOR -CONCRETE SLAB PER STRUCTURE -W/ RADIANT HEATING TUBES -VAPOR BARRIER -MIN. R-10 RIGID INSULATION -4" FREE DRAINING MATERIAL		
F5		-PORCELAIN TILE, TBD -THINSET MORTAR -CONCRETE SLAB PER STRUCTURE -W/ RADIANT HEATING TUBES -VAPOR BARRIER -MIN. R-10 RIGID INSULATION -4" FREE DRAINING MATERIAL		
F5a		-2CM3CM STONE, TBD -MORTAR SETTING BED -CONCRETE SLAB PER STRUCTURE -W/ RADIANT HEATING TUBES -VAPOR BARRIER -MIN. R-10 RIGID INSULATION -4" FREE DRAINING MATERIAL	-REMOVE RADIANT HEATING TUBES AND INSULATION IN UNHEATED BASEMENT AREA, SUCH AS THE PATIO OUTSIDE THE GYM	
F6		-MIN. 2" RUBBER FLOOR, TBD -CONCRETE SLAB PER STRUCTURE -W/ RADIANT HEATING TUBES- MIN. R-10 RIGID INSULATION -VAPOR BARRIER -4" FREE DRAINING MATERIAL		
F7		-3/4" WOOD FLOOR -1/2" PLYWOOD W/ RADIANT HEAT SYSTEM -PLYWOOD SUBFLOOR PER STRUCTURE -MIN. R-10 RIGID INSULATION -CONCRETE SLAB PER STRUCTURE -VAPOR BARRIER -4" FREE DRAINING MATERIAL		
F8		-3/4" WOOD FLOOR -1/2" QUIK TRAK BOARD W/ RADIANT HEAT SYSTEM -PLYWOOD SUBFLOOR PER STRUCTURE -FRAMING PER STRUCTURE -W/ ACOUSTIC INSULATION, TBD -5/8" GWB, U.N.O PER FINISH SCHEDULE		
F8a		-3/4" WOOD FLOOR -1/2" QUIK TRAK BOARD W/ RADIANT HEAT SYSTEM -PLYWOOD SUBFLOOR PER STRUCTURE -FRAMING PER STRUCTURE -W/ ACOUSTIC INSULATION, TBD -1/2" GAP FOR LOW PROFILE RSIC CLIPS -(2) 5/8" GWB, U.N.O PER FINISH SCHEDULE		
F8b		-3/4" WOOD FLOOR -1/2" QUIK TRAK BOARD W/ RADIANT HEAT SYSTEM -PLYWOOD SUBFLOOR PER STRUCTURE -FRAMING PER STRUCTURE -W/ ACOUSTIC INSULATION, TBD -1/2" GAP FOR LOW PROFILE RSIC CLIPS -(2) 5/8" GWB, U.N.O PER FINISH SCHEDULE		
F9		-2 1/2" STONE, TBD -MIN. 1" MORTAR -2" CUSTOMIZED CONCRETE SLAB W/ RADIANT HEATING TUBES -3/4" PLYWOOD SUBFLOOR -FRAMING PER STRUCTURE -W/ ACOUSTIC INSULATION -5/8" GWB, U.N.O PER FINISH SCHEDULE	-ACOUSTIC INSULATION, TBD	
F10		-3CM STONE SLAB/2CM STONE SLAB -MIN. 1/4" MORTAR BED -1/4" CEMENT BOARD -1/2" QUIK TRAK BOARD -3/4" PLYWOOD SUBFLOOR -FRAMING PER STRUCTURE -W/ ACOUSTIC INSULATION, TBD -5/8" GWB	-1/2" PER FT SLOPED MORTAR ABOVE 1/2" PLYWOOD AT SHOWER LOCATION -SHOWER PAN ABOVE THE SLOPED MORTAR	
F10a		-3CM STONE SLAB/2CM STONE SLAB -MIN. 1/4" MORTAR BED -1/4" CEMENT BOARD -1/2" QUIK TRAK BOARD -3/4" PLYWOOD SUBFLOOR -FRAMING PER STRUCTURE -W/ R-30 SPRAY FOAM INSULATION	-1/2" PER FT SLOPED MORTAR ABOVE 1/2" PLYWOOD AT SHOWER LOCATION -SHOWER PAN ABOVE THE SLOPED MORTAR	

WALL TYPE SCHEDULE

WALL TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
WT		(E) EARTH (E) CONCRETE -CRAWL SPACE		
WT SIM		(E) EARTH (N) CONCRETE -CRAWL SPACE		
WT1		- 2 1/2" STONE VENEER - MIN. 1" AIR SPACE (E) CONCRETE -CRAWL SPACE		
WT1		- 2 1/2" STONE VENEER - MIN. 1" AIR SPACE - W.R.B. TBD (E) PLYWOOD SHEATHING (E) FRAMING -CRAWL SPACE		
WT		(E) EARTH (E) CONCRETE - 1/2" AIR SPACE - 2X4 FLAT WOOD STUD - PAINTED MDO PLYWOOD		
WT1		- 2 1/2" STONE VENEER - MIN. 1" AIR SPACE (E) CONCRETE - 1/2" AIR SPACE - 2X4 FLAT WOOD STUD - PAINTED MDO PLYWOOD		
WT1		- 2 1/2" STONE VENEER - MIN. 1" AIR SPACE - W.R.B. TBD (E) PLYWOOD SHEATHING (E) FRAMING - PAINTED PLYWOOD		
WT		- POOL FINISH TBD - CONCRETE PER STRUCTURE - SKIM COAT, COLOR TBD		
WT1		- POOL FINISH TBD - CONCRETE PER STRUCTURE - 1/2" AIR SPACE - FRAMING PER PLAN - 5/8" GWB, U.N.O		
WT		- 3/16" RUSTED STEEL PANEL - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - 5/8" GWB, U.N.O		
WT		(E) EARTH OR CRAWL SPACE (E) CONCRETE - W.R.B. TBD - 1/2" AIR SPACE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - 5/8" GWB, U.N.O	- REPLACE DRYWALL WITH CEMENT BOARD AND 3CM STONE SLAB AT WET LOCATION	
WT SIM		(E) EARTH OR CRAWL SPACE - W.R.B. TBD (N) CONCRETE - 1/2" AIR SPACE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - 5/8" GWB, U.N.O		
WT1		- 2 1/2" STONE VENEER - 1" AIR SPACE (E) CONCRETE - W.R.B. TBD - 1/2" AIR SPACE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - 5/8" GWB, U.N.O	- REPLACE DRYWALL WITH CEMENT BOARD AND 3CM STONE SLAB AT WET LOCATION	
WT1		- 2 1/2" STONE VENEER - 1" AIR SPACE - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)	- REPLACE DRYWALL WITH CEMENT BOARD AND 3CM STONE SLAB AT WET LOCATION	
WT1 SIM		- STEEL PANEL FINISH TBD - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)	- NEW FRAMING AND PLYWOOD SHEATHING @ EXERCISE 008 SOUTH	

WALL TYPE SCHEDULE

WALL TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
WSC		- W.R.B. TBD (E) PLYWOOD SHEATHING (E) FRAMING - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - AIR SPACE - WALL FRAMING PER PLAN - 5/8" GWB, U.N.O		
WSC SIM		- W.R.B. TBD (N) PLYWOOD SHEATHING (N) FRAMING - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - AIR SPACE - WALL FRAMING PER PLAN - 5/8" GWB, U.N.O		
WT		- THERMORY CLADDING, ASH, ORIENTATION PER ARCH - THERMORY STRIP - DRAINAGE MAT, TBD - W.R.B. TBD (E) PLYWOOD SHEATHING (E) FRAMING - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - AIR SPACE - WALL FRAMING PER PLAN - 5/8" GWB, U.N.O		
WT		- THERMORY CLADDING, ASH, PER ARCH - THERMORY STRIP - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O	- NO INSULATION @ GARAGE 101	
WT SIM		- THERMORY CLADDING, ASH, PER ARCH - THERMORY STRIP - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O PER FINISH SCHEDULE	- NO INSULATION @ GARAGE 101	
WT		- THERMORY CLADDING, ASH, PER ARCH - THERMORY STRIP - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - ROOF FRAMING PER STRUCTURE - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - ATIC SPACE	- NO INSULATION @ GARAGE 101	
WT1		- PAINTED ALUMINUM, TBD - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - TRUSS PER STRUCTURE - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - ATIC SPACE	- BETWEEN PURLIN ENDS	
WT		- 2 1/2" STONE VENEER - 1" AIR SPACE - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O PER FINISH SCHEDULE		
WT1		- 2 1/2" STONE VENEER - 1" AIR SPACE - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER		
WT10		- GREEN WALL, TBD - CMU PER STRUCTURE - 3" AIR SPACE - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O		
WT1		- 2 1/2" STONE VENEER - 1" AIR SPACE - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER (IN WET LOCATION) - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)		
WT1 SIM		- STEEL PANEL FINISH TBD - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)		

WALL TYPE SCHEDULE

WALL TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
WT2		- 2 1/2" STONE VENEER - 1" AIR SPACE - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - 1/2" PLYWOOD BACKING - 1" AIR SPACE - 2 1/2" STONE VENEER		
WT3		- AIR SPACE FOR SKYFRAME - ALUMINUM PANEL TO MATCH SKYFRAME DOOR - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O PER FINISH SCHEDULE		
WT4		- THERMORY CLADDING, ASH, PER ARCH - THERMORY STRIP - DRAINAGE MAT, TBD - W.R.B. TBD - PLYWOOD SHEATHING PER STRUCTURE - WALL FRAMING PER PLAN - W/ MIN. R-21 CLOSE-CELL SPRAY FOAM - 1/2" AIR SPACE - CMU PER STRUCTURE		

WALL TYPE SCHEDULE

WALL TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
W20		- FRAMING PER PLAN - PLYWOOD SHEATHING PER STRUCTURE	- INTERIOR	
W20a		- FRAMING PER PLAN - PLYWOOD SHEATHING PER STRUCTURE - PAINTED MDO PLYWOOD		
W20b		- FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O		
W21		- PAINTED MDO PLYWOOD - FRAMING PER PLAN - PAINTED MDO PLYWOOD		
W21a		- PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - PLYWOOD SHEATHING PER STRUCTURE		
W21b		- PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - PAINTED MDO PLYWOOD		
W22		- PAINTED MDO PLYWOOD - FRAMING PER PLAN - 5/8" GREENBOARD - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - FINISH TBD		
W22a		- PAINTED MDO PLYWOOD - PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - 5/8" GREENBOARD - FINISH TBD		
W22b		- PAINTED MDO PLYWOOD - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - SHEATHING PER STRUCTURE - 5/8" GREENBOARD - FINISH TBD		
W22c		- PAINTED MDO PLYWOOD - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - 5/8" GWB, U.N.O		
W23		- 5/8" GWB, U.N.O - FRAMING PER PLAN - W/ ACOUSTIC INSULATION FILLED THE CAVITY - 5/8" GWB, U.N.O		
W23a		- FRAMING PER PLAN - 5/8" GWB, U.N.O		
W23b		- 5/8" GWB, U.N.O - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - 5/8" GWB, U.N.O		
W23c		- 5/8" GWB, U.N.O - FRAMING PER PLAN - 5/8" GWB, U.N.O		
W24		- 5/8" GWB, U.N.O - PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - W/ ACUSTIC INSULATION - 5/8" GWB, U.N.O		
W24a		- 5/8" GWB, U.N.O - PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O	- ACOUSTIC INSULATION TBD	
W25		- 2CM OR 3CM SLAB STONE - 1/4" MORTAR OR 1/2" MECHANICAL ATTACHMENT - 1/2" CEMENT BOARD - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 5/8" GWB, U.N.O	- ACOUSTIC INSULATION TBD	
W26		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - CMU PER STRUCTURE - 1/2" AIR SPACE - FURRING STRIP - INTERIOR FINISH PER SCHEDULE	- ACOUSTIC INSULATION TBD	

WALL TYPE SCHEDULE

WALL TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
W26a		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - CMU PER STRUCTURE		
W26b		- CMU PER STRUCTURE - 1/2" AIR SPACE - FLAT FRAMING PER PLAN - 5/8" GWB, U.N.O		
W27		- WOOD WALL FINISH - FRAMING PER PLAN - 5/8" GWB, U.N.O		
W27a		- WOOD WALL FINISH - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 5/8" GWB, U.N.O - 1/8" STL PLATE		
W27b		- FRAMING PER PLAN - W/ ACOUSTIC INSULATION - WOOD WALL FINISH		
W28		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - 1/2" PLYWOOD - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)		
W28a		- FRAMING PER PLAN - PLYWOOD SHEATHING PER STRUCTURE - VAPOR BARRIER - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)		
W29		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - 1/2" PLYWOOD - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 5/8" GWB, U.N.O		
W29a		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - 1/2" PLYWOOD - FRAMING PER PLAN - W/ ACOUSTIC INSULATION		
W30		- WOOD WALL FINISH - 5/8" GWB, U.N.O - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 5/8" GWB, U.N.O - 1/8" STL PLATE		
W30a		- CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 5/8" GWB, U.N.O - 1/8" STL PLATE		
W30b		- FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 5/8" GWB, U.N.O - 1/8" STL PLATE		
W31		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - W/ ACOUSTIC INSULATION - 1/2" CEMENT BOARD - 1/2" MECHANICAL ATTACHMENT FOR 3CM SLAB (OR 1/4" MORTAR) - 3CM STONE SLAB (OR 2CM)		
W32		- CMU PER STRUCTURE - AIR SPACE - FRAMING PER PLAN - 5/8" GWB, U.N.O.		
W32a		- CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - FRAMING PER PLAN - 5/8" GWB, U.N.O. - 1/8" STL PLATE		
W33		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - 1/2" PLYWOOD - 2x6 FRAMING - AIR SPACE PER PLAN - FRAMING PER PLAN - PLYWOOD SHEATHING PER STRUCTURE - 5/8" GWB, U.N.O		
W33a		- 2 1/2" STONE VENEER - 1/2" AIR SPACE - 1/2" CEMENT BOARD - 2x6 WALL FRAMING - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - AIR SPACE PER PLAN - 2x4 WALL FRAMING - 3/4" GRADE PLYWOOD (TBD)		

WALL TYPE SCHEDULE

WALL TYPE	ILLUSTRATIONS	DESCRIPTION	REMARKS	RATED
W34		- EARTH - CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - VAPOR BARRIER - 5/8" GWB, U.N.O		
W34a		- EARTH - CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - 5/8" GWB, U.N.O		
W35		- EARTH - CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - FRAMING PER PLAN - PAINTED MDO PLYWOOD		
W35a		- EARTH - CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - PLYWOOD SHEATHING PER STRUCTURE - FRAMING PER PLAN - PAINTED MDO PLYWOOD		
W36		- EARTH - CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - 5/8" GREENBOARD - FINISH TBD		
W36a		- EARTH - CMU PER STRUCTURE - MIN. 1/2" AIR SPACE - FRAMING PER PLAN - W/ MIN. R21 CLOSE-CELL SPRAY FOAM - SHEATHING PER PLAN - 5/8" GREENBOARD - FINISH TBD		
W37		- (2) 5/8" GWB - STAGGERED 2x4 STUDS ON 2x6 WALL PLATE - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - (2) 5/8" GWB		
W37a		- (2) 5/8" GWB - STAGGERED 2x4 STUDS ON 2x6 WALL PLATE - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - SHEATHING PER STRUCTURE - (2) 5/8" GWB		
W38		- 3CM STONE SLAB (OR 2CM SLAB) - 1/2" SPACE FOR MECHANICAL ATTACHMENT (OR 1/4" MORTAR) - 1/2" CEMENT BOARD - VAPOR BARRIER - STAGGERED 2x4 STUDS ON 2x6 WALL PLATE - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - SHEATHING PER STRUCTURE - (2) 5/8" GWB		
W39		- (2) 5/8" GWB - 2x4 WALL FRAMING - W/ ACOUSTICAL INSULATION FILLED IN THE CAVITY - 1" AIR SPACE - 2x4 WALL FRAMING - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - (2) 5/8" GWB		
W39a		- (2) 5/8" GWB - 2x4 WALL FRAMING - W/ ACOUSTICAL INSULATION FILLED IN THE CAVITY - 1" AIR SPACE - 2x4 WALL FRAMING - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - SHEATHING PER STRUCTURE - (2) 5/8" GWB		
W40		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - CONCRETE WALL PER STRUCTURE - MIN. 1/2" AIR SPACE - FURRING STRIP - INTERIOR FINISH PER SCHEDULE		
W40a		- 2 1/2" STONE VENEER - 1" SPACE FOR ATTACHMENT - CONCRETE WALL PER STRUCTURE - 1" AIR SPACE - 2x4 FRAMING - W/ ACOUSTIC INSULATION FILLED IN THE CAVITY - 3/4" GRADE PLYWOOD		

GENERAL STRUCTURAL NOTES

(The following apply unless shown otherwise on the plans)

CRITERIA

- 1. ALL NEW MATERIALS, WORKSMANSHIP, DESIGN AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2009 EDITION).

DESIGN LOADING CRITERIA

Table with 2 columns: Loading Type and Value. Includes Roof Live Load (25 PSF), Floor Live Load (40 PSF), Wind (110 MPH), and Earthquake (Risk Category 2, IE +10).

DESIGN LOADING CRITERIA - LATERAL LOADS

Table with 2 columns: Wind and Earthquake. Includes Wind (110 MPH) and Earthquake (Risk Category 2, IE +10).

EARTHQUAKE

Table with 2 columns: Risk Category and Site Class. Includes Risk Category 2, IE +10 and Site Class D (Assumed).

DESIGN LOADING CRITERIA - DEAD LOADS

Table with 2 columns: Loading Type and Value. Includes Roof Dead Load (5 PSF), Floor Dead Load (10 PSF), and Concrete Wall Dead Load (8" WALLS).

SEE PLANS FOR ADDITIONAL LOADING CRITERIA

- 3. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL AND ALL OTHER DISCIPLINES' DRAWINGS FOR BIDDING AND CONSTRUCTION.

DISCREPANCIES: THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING DURING THE BIDDING PERIOD OF ANY DISCREPANCIES OR OMISSIONS NOTED ON THE DRAWINGS OR IN THE SPECIFICATIONS...

- 4. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, MEMBER SIZES, AND CONDITIONS PRIOR TO COMMENCING ANY WORK.

- 5. CONTRACTOR SHALL PROVIDE TEMPORARY BRACINGS FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED.

CHANGES IN FIELD CONDITIONS DURING CONSTRUCTION WILL REQUIRE RE-EVALUATION BY THE CONTRACTOR AND THEIR SHORING INSTALLER.

- 6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

- 7. CONTRACTOR'S INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION.

- 8. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN.

- 9. ALL STRUCTURAL SYSTEMS WHICH ARE TO BE COMPOSED OF FIELD ERECTED COMPONENTS SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION.

- 10. SHOP DRAWINGS FOR STRUCTURAL STEEL, METAL DECKING, GLUED LAPINATED MEMBERS, LAMINATED VENEER LUMBER (LVL) MEMBERS, PARALLEL STRAND LUMBER (PSL), LAMINATED STRAND LUMBER (LSL) MEMBERS, CONNECTOR PLATE WOOD ROOF TRUSSES, PLYWOOD WEB JOISTS SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION OF THESE ITEMS.

CONTRACTOR SHALL SUBMIT WALL ELEVATION DRAWINGS OF AT LEAST 1/8" x 1'-0" SCALE INDICATING CONNECTION EMBEDMENTS AND WALL OPENINGS FOR REVIEW PRIOR TO CONSTRUCTION.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND DETAILS DRAIN BY THE FABRICATOR. SHOP DRAWINGS SHALL BE MINIMUM 24" x 36" SHEETS (HALF SIZE SETS ACCEPTABLE).

- 11. SHOP DRAWING REVIEW: DIMENSIONS AND QUANTITIES ARE NOT REVIEWED BY THE ENGINEER OF RECORD, THEREFORE MUST BE VERIFIED BY THE CONTRACTOR.

RESUBMITTALS OF PREVIOUSLY SUBMITTED SHOP DRAWINGS SHALL HAVE ALL CHANGES CLOUDDED AND DATED WITH A SEQUENTIAL REVISION NUMBER.

SHOP DRAWING SUBMITTALS PROCESSED BY THE ENGINEER OF RECORD ARE NOT CHANGE ORDERS. THE PURPOSE OF SHOP DRAWING SUBMITTALS IS TO CLARIFY THE CONTRACTOR'S UNDERSTANDING OF THE DESIGN CONCEPT.

SHOP DRAWINGS OF ALL DESIGN BUILD COMPONENTS SUCH AS PRE MANUFACTURED OR PRE ENGINEERED ROOF OR FLOOR TRUSSES SHALL INCLUDE THE DESIGNING PROFESSIONAL ENGINEER'S STAMP.

- 12. DEFERRED SUBMITTALS SHALL INCLUDE THE DESIGNING PROFESSIONAL ENGINEER'S STAMP, STATE OF WASHINGTON AND BE APPROVED BY THE COMPONENT DESIGNER PRIOR TO CURSOR REVIEW.

CONNECTOR PLATE WOOD TRUSSES

PLYWOOD WEB JOISTS

SPECIAL INSPECTIONS

- 13. STRUCTURAL ELEMENTS

Table with 3 columns: Frequency of Special Inspection, Code Reference, and Description. Includes items like Reinforcing Steel, Concrete Shotcrete, and Structural Steel Fabrication.

SOIL BEARINGS CAPACITY AND COMPACTION MATERIALS PERIODIC IBC 1209.6 AND GEOTECHNICAL REPORT PER NOTE #5

STEEL FABRICATOR SHALL PROVIDE A QA/QC PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER AND CITY OF MERCER ISLAND PRIOR TO FABRICATION.

- 14. STATEMENT OF SPECIAL INSPECTIONS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 1109 OF THE 2005 IBC AS FOLLOWS:

- A. THE FOLLOWING SYSTEMS WILL BE SUBJECT TO THE SEISMIC QUALITY ASSURANCE. CONCRETE FOUNDATIONS AND WALLS, HIGH STRENGTH FLYWOOD SHEATHED SHEAR WALLS.
B. SPECIAL INSPECTION AND TESTING OF SPECIAL REINFORCED CONCRETE WALLS AND CONCRETE FOUNDATIONS SHALL CONFORM TO IBC SECTION 1108.
C. THE TYPE AND FREQUENCY OF TESTING REQUIRED SHALL BE PER IBC SECTION 1108 AND 1104.
D. THE TYPE AND FREQUENCY OF SPECIAL INSPECTIONS REQUIRED SHALL BE PER IBC SECTION 1106 AND 1104. REFER TO NOTE #3 FOR REQUIRED INSPECTIONS.
E. THE REQUIRED FREQUENCY AND DISTRIBUTION OF TESTING AND SPECIAL INSPECTION REPORTS SHALL BE THE RESPONSIBILITY OF THE INSPECTION/TESTING AGENCY.
F. STRUCTURAL OBSERVATION OF THE LATERAL AND GRAVITY STRUCTURAL SYSTEMS SHALL OCCUR AT APPROPRIATE INTERVALS DURING CONSTRUCTION.
G. A STRUCTURAL OBSERVATION REPORT SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD AFTER EACH OBSERVATION.

GEOTECHNICAL

- 15. FOUNDATION AND SLAB NOTES: SUB-GRADE PREPARATION INCLUDING DRAINAGE, EXCAVATION, COMPACTION AND FILLING REQUIREMENTS, SHALL CONFORM STRICTLY WITH RECOMMENDATIONS GIVEN IN THE SOILS REPORT OR AS DIRECTED BY THE SOILS 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 DETAILS) ARE MINIMUM AND FOR GUIDANCE ONLY.

Table with 2 columns: Allowable Soil Pressure and Lateral Earth Pressure. Includes values for 2000 PSF and 35 PCF.

SOILS REPORT REFERENCE: REPORT #1-8251 DATED DECEMBER 16, 2010 BY TERRA ASSOCIATES, INC.

RENOVATION

- 16. DEMOLITION: CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. SHORING SHALL BE INSTALLED TO SUPPORT EXISTING CONSTRUCTION AS REQUIRED AND IN A MANNER SUITABLE TO THE WORK SEQUENCES.

- A. ALL NEW OPENINGS THROUGH EXISTING WALLS, SLABS AND BEAMS SHALL BE ACCOMPLISHED BY SAW CUTTING WHEREVER POSSIBLE.

- B. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND LOCATION OF MEMBERS PRIOR TO CUTTING ANY OPENINGS.

- C. SMALL ROUND OPENINGS SHALL BE ACCOMPLISHED BY CORE DRILLING, IF POSSIBLE.

- D. WHERE NEW REINFORCING TERMINATES AT EXISTING CONCRETE, THREADED BARS INTO THREADED EXPANSION INSERTS IN EXISTING CONCRETE SHALL BE PROVIDED TO MATCH HORIZONTAL OR VERTICAL REINFORCING, UNLESS OTHERWISE NOTED ON PLANS.

- 17. CONTRACTOR SHALL CHECK FOR DRYROT AT ALL EXTERIOR WALLS, EXISTING TOILET ROOM FLOORS AND WALLS, AREAS AROUND WATER STAINS, AND ALL WOOD MEMBERS IN BASEMENT AND CRAWL SPACES.

CONCRETE

- 18. CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH IBC SECTION 1909 AND ACI 301. STRENGTHS AT 28 DAYS AND MIX CRITERIA SHALL BE AS FOLLOWS:

Table with 5 columns: Type of Construction, 28 Day Strengths, Maximum and Minimum Cement Content, and Slump. Includes items like Footings, Concrete Walls, and Basement Concrete Walls.

THE MINIMUM AMOUNTS OF CEMENT AND MAXIMUM AMOUNTS OF WATER MAY BE CHANGED IF A CONCRETE PERFORMANCE MIX IS SUBMITTED TO THE STRUCTURAL ENGINEER AND THE BUILDING DEPARTMENT FOR APPROVAL TWO WEEKS PRIOR TO PLACING ANY CONCRETE.

- 19. ALL SHOTCRETE MATERIALS EQUIPMENT, PROCEDURES, PROPORTIONS, BATCHING AND MIXING AND VISUALIZATION SHALL BE IN ACCORDANCE WITH ACI 306R-05, ACI 308.1-05 AND IBC SECTION 193.

PRECONSTRUCTION TEST: A MOCK-UP PANEL SHALL BE SHOT, CURED, CORED OR CUT, AND VISUALLY EXAMINED PRIOR TO COMMENCEMENT OF THE PROJECT.

CORES FROM IN-PLACE SHOTCRETE STRUCTURAL WALLS: A MINIMUM OF 3 SACRIFICIAL STEEL LOCATIONS FOR EACH DAY SHOTCRETE IS PLACED. MORE LOCATIONS MAY BE REQUIRED IF ADDITIONAL NOZZLES ARE UTILIZED.

COMPRESSION STRENGTH TESTS ARE REQUIRED FOR EACH 50 CUBIC YARDS OF SHOTCRETE OR PORTION THEREOF PLACED EACH DAY FROM EACH SHOTCRETE MIX. THESE TESTS MAY BE TAKEN FROM STRENGTH TEST PANELS.

ALL SHOTCRETE WORK SHALL BE CONTINUOUSLY INSPECTED BY A SPECIAL INSPECTOR WITH DEMONSTRATED EXPERIENCE IN THE TESTING AND INSPECTION OF SHOTCRETE INSTALLATION.

- 20. REINFORCING STEEL SHALL CONFORM TO ASTM A63 (INCLUDING SUPPLEMENT S1), GRADE 60, FY + 60,000 PSI. EXCEPTION: ANY BARS SPECIFICALLY NOTED ON THE DRAWINGS AS GRADE 40, FY + 40,000 PSI.

WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-95.

SPIRAL REINFORCEMENT SHALL BE PLAIN WIRE CONFORMING TO ASTM A63, GRADE 60, FY + 60,000 PSI.

- 21. REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 518-66 (04) AND THE LATEST EDITION OF ACI 318. LAP ALL REINFORCEMENTS IN ACCORDANCE WITH THE REINFORCING SPlice AND DEVELOPMENT LENGTH SCHEDULE.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

- 22. CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

Table with 2 columns: Location and Cover/Bar Size. Includes Footings and Formed Surfaces Exposed to Earth.

- 23. CONCRETE WALL REINFORCING-PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE:

Table with 2 columns: Wall Type and Reinforcement. Includes 6" WALLS and 8" WALLS.

- 24. CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS.

- 25. EMBEDDED ITEMS IN CAST-IN-PLACE CONCRETE: EMBEDDED ITEMS IN CAST-IN-PLACE CONCRETE SHALL NOT BE 'DIY-SET' UNLESS SPECIFICALLY APPROVED BY ENGINEER OF RECORD.

- 26. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

- 27. EPOXY-GROUTED ITEMS SPECIFIED ON THE DRAWINGS SHALL BE GROUTED WITH HIT-1000 ADHESIVE ANCHOR SYSTEMS AS MANUFACTURED BY HILTI, INC. OR SET-XP HIGH STRENGTH ADHESIVE ANCHOR SYSTEM AS MANUFACTURED BY SIMPSON STRONG-TIE OR AN ENGINEER APPROVED ALTERNATE THAT HAS ICC TEST DATA FOR THEIR SPECIFIC PRODUCT AND APPLICATION.

- 28. EXPANSION BOLTS INTO CONCRETE SHALL BE Kwik Bolt T Wedge Anchors and Threaded Expansion Inserts INTO CONCRETE OR CONCRETE MASONRY UNIT SHALL BE Kwik Bolt 3 Masonry Anchors AS MANUFACTURED BY HILTI, INC OR APPROVED EQUAL. INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

MASONRY

- 29. CONCRETE MASONRY UNIT WALLS SHALL BE CONSTRUCTED OF GRADE N TYPE 1 UNITS, CONFORMING TO ASTM C90, LAID IN A RUNNING BOND. MORTAR SHALL BE TYPE 'M' PER TABLE 2105.2.2.2 OF THE IBC.

UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING REINFORCEMENT:

Table with 2 columns: Wall Type and Reinforcement. Includes 8" WALLS and 5" x 48" O.C. VERT.

IN ADDITION PROVIDE (1) #4 (x 6" WALLS) VERT. AT EACH SIDE OF OPENINGS, AT WALL CORNERS AND INTERSECTIONS AND AT FREE ENDS OF WALLS AND (2) #4 (1/2" x 4" WALLS) HORIZ. AT ELEVATED FLOOR AND ROOF LEVELS.

ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEHIND THE FACE OF THE WALL. REINFORCING BARS IN BOND BEHIND THE FACE OF THE WALL SHALL BE SPACED SO AS TO SUPPORT NOT MORE THAN TWO SQUARE FEET OF WALL AREA.

- 30. BRICK OR STONE VENEER EXTENDING MORE THAN 36" ABOVE GRADE SHALL BE ANCHORED TO BACKING WALLS PER THE LATEST EDITION OF ACI 530/ASCE 5/175 402, CHAPTER 6 AND SECTION 1405.6 OF THE IBC WITH 1" x 27 GAUGE GALVANIZED SHEET METAL ANCHORS MINIMUM. ANCHOR TIES SHALL BE SPACED 50 AS TO SUPPORT NOT MORE THAN TWO SQUARE FEET OF WALL AREA.

- 31. MASONRY CHIMNEYS SHALL BE CONSTRUCTED OF GRADE N TYPE 1 UNITS, CONFORMING TO ASTM C90, LAID UP IN RUNNING BOND. MORTAR SHALL BE TYPE 'M' PER TABLE 2105.2.2.2 OF THE IBC.

UNLESS NOTED OTHERWISE, REINFORCE WITH (6) #4 VERTICALLY, ONE EACH CORNER AND ONE MID-LENGTH OF LONG WALL. THE BARS SHALL EXTEND THE FULL HEIGHT OF THE CHIMNEY.

- 32. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE BASED ON THE AISC, 'SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS', LATEST EDITION, PLUS ALL REFERENCED CODES.

STEEL

- 34. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

Table with 3 columns: Member Type, ASTM Specification, and FY. Includes items like U-Flange Shapes, Miscellaneous Shapes, and Common Bolts.

- 35. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO, CERTIFIED WELDERS USING E70XX ELECTRODES.

- 36. METAL FLOOR AND ROOF DECKING- PROVIDE SIZE, TYPE, GAUGE, AND ATTACHMENT TO THE SUPPORTING STRUCTURE AS SHOWN ON THE PLANS.

WOOD

- 37. LAMINATED LUMBER SHALL BE KILN DRIED, AND GRADED AND MARKED IN CONFORMANCE WITH UCLB STANDARD GRADING RULES FOR WEST COAST LUMBER NO. 16.

Table with 3 columns: Joists, Beams and Stringers, Posts and Timbers, Studs, Ledgers, and Plates, Pressure Treated Framing, Ledgers and Plates. Includes member sizes and grades.

- 38. GLUED LAPINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ANSI / AITC 2081-2005, AMERICAN NATIONAL STANDARDS INSTITUTE AND ASTM D3131-05.

- 39. ENGINEERED LUMBER SHALL BE DESIGNED AND MANUFACTURED TO THE STANDARDS SET FORTH IN ASTM D5456, ICC ES REPORT E98-1381, AND THE CANADIAN CONSTRUCTION MATERIALS CENTRE (CCMC) REPORTS NO.1161-R (FSL ON 17) AND 2067-R (LSL ON 17).

PARALLEL STRAND LUMBER (PSL) FB + 2300 PSI, E=1.20x 10^6 PSI, FV +130 PSI. LAMINATED STRAND LUMBER (LSL) FB + 2250 PSI, E=1.15x 10^6 PSI, FV +400 PSI.

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

REINFORCING STEEL SHALL BE DETAILED (INCLUDING HOOKS AND BENDS) IN ACCORDANCE WITH ACI 518-66 (04) AND THE LATEST EDITION OF ACI 318.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

Table with 2 columns: Location and Cover/Bar Size. Includes Footings and Formed Surfaces Exposed to Earth.

- 23. CONCRETE WALL REINFORCING-PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE:

Table with 2 columns: Wall Type and Reinforcement. Includes 6" WALLS and 8" WALLS.

- 24. CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS.

- 25. EMBEDDED ITEMS IN CAST-IN-PLACE CONCRETE: EMBEDDED ITEMS IN CAST-IN-PLACE CONCRETE SHALL NOT BE 'DIY-SET' UNLESS SPECIFICALLY APPROVED BY ENGINEER OF RECORD.

- 26. NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS.

- 27. EPOXY-GROUTED ITEMS SPECIFIED ON THE DRAWINGS SHALL BE GROUTED WITH HIT-1000 ADHESIVE ANCHOR SYSTEMS AS MANUFACTURED BY HILTI, INC. OR SET-XP HIGH STRENGTH ADHESIVE ANCHOR SYSTEM AS MANUFACTURED BY SIMPSON STRONG-TIE OR AN ENGINEER APPROVED ALTERNATE THAT HAS ICC TEST DATA FOR THEIR SPECIFIC PRODUCT AND APPLICATION.

- 28. EXPANSION BOLTS INTO CONCRETE SHALL BE Kwik Bolt T Wedge Anchors and Threaded Expansion Inserts INTO CONCRETE OR CONCRETE MASONRY UNIT SHALL BE Kwik Bolt 3 Masonry Anchors AS MANUFACTURED BY HILTI, INC OR APPROVED EQUAL.

- 29. CONCRETE MASONRY UNIT WALLS SHALL BE CONSTRUCTED OF GRADE N TYPE 1 UNITS, CONFORMING TO ASTM C90, LAID IN A RUNNING BOND. MORTAR SHALL BE TYPE 'M' PER TABLE 2105.2.2.2 OF THE IBC.

UNLESS NOTED OTHERWISE, PROVIDE THE FOLLOWING REINFORCEMENT:

Table with 2 columns: Wall Type and Reinforcement. Includes 8" WALLS and 5" x 48" O.C. VERT.

IN ADDITION PROVIDE (1) #4 (x 6" WALLS) VERT. AT EACH SIDE OF OPENINGS, AT WALL CORNERS AND INTERSECTIONS AND AT FREE ENDS OF WALLS AND (2) #4 (1/2" x 4" WALLS) HORIZ. AT ELEVATED FLOOR AND ROOF LEVELS.

ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEHIND THE FACE OF THE WALL. REINFORCING BARS IN BOND BEHIND THE FACE OF THE WALL SHALL BE SPACED SO AS TO SUPPORT NOT MORE THAN TWO SQUARE FEET OF WALL AREA.

- 30. BRICK OR STONE VENEER EXTENDING MORE THAN 36" ABOVE GRADE SHALL BE ANCHORED TO BACKING WALLS PER THE LATEST EDITION OF ACI 530/ASCE 5/175 402, CHAPTER 6 AND SECTION 1405.6 OF THE IBC WITH 1" x 27 GAUGE GALVANIZED SHEET METAL ANCHORS MINIMUM.

- 31. MASONRY CHIMNEYS SHALL BE CONSTRUCTED OF GRADE N TYPE 1 UNITS, CONFORMING TO ASTM C90, LAID UP IN RUNNING BOND. MORTAR SHALL BE TYPE 'M' PER TABLE 2105.2.2.2 OF THE IBC.

UNLESS NOTED OTHERWISE, REINFORCE WITH (6) #4 VERTICALLY, ONE EACH CORNER AND ONE MID-LENGTH OF LONG WALL. THE BARS SHALL EXTEND THE FULL HEIGHT OF THE CHIMNEY.

- 32. STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL BE BASED ON THE AISC, 'SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS', LATEST EDITION, PLUS ALL REFERENCED CODES.

- 34. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

Table with 3 columns: Member Type, ASTM Specification, and FY. Includes items like U-Flange Shapes, Miscellaneous Shapes, and Common Bolts.

- 35. ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS AND SHALL BE PERFORMED BY WABO, CERTIFIED WELDERS USING E70XX ELECTRODES.



PROJECT NO.: 191066-1 E.O.R.: Mark Spedall DESIGNER: HTS DRAWN: KPH

ISSUE DATE PERMIT SET 12-18-2020

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SHEET NO. S1.0

REVIEW

PROJECT NO.: 191066-1 E.O.R.: Mark Spedall DESIGNER: HTS DRAWN: KPH

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REVIEW

PROJECT NO.: 191066-1 E.O.R.: Mark Spedall DESIGNER: HTS DRAWN: KPH

GENERAL STRUCTURAL NOTES CONTINUED:

41. PREFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/TPI-1-2014 BY THE TRUSS PLATE INSTITUTE FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS. LOADS SHALL BE AS FOLLOWS:

TOP CHORD DEAD LOAD	15 PSF ¹
TOP CHORD LIVE LOAD	75 PSF
BOTTOM CHORD DEAD LOAD	5 PSF
TOTAL LOAD	40 PSF
BOTTOM CHORD LIVE LOAD (NON-CONCURRENT WITH TOP CHORD LIVE LOAD)	10 PSF

1. SEE GEN #2 FOR ADDITIONAL LOADING REQUIREMENTS

WOOD TRUSSES SHALL UTILIZE APPROVED CONNECTOR PLATES (GANGNAI, OR EQUAL) 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 REGISTERED PROFESSIONAL ENGINEER, STATE OF WASHINGTON. 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 BRISGINS.

42. PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DOC P91. SEE PLANS FOR THICKNESS, PANEL IDENTIFICATION INDEX AND NAILING REQUIREMENTS.

43. ALL WOOD MEMBERS (INCLUDING PLATES) IN DIRECT CONTACT WITH SOIL SHALL BE PRESSURE-TREATED WITH ALKALINE COPPER QUATERNARY (ACQ). ALL WOOD MEMBERS (INCLUDING PLATES) IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH SODIUM BORATE (SEK).

ALL METAL CONNECTORS IN CONTACT WITH 'ACQ' PRESSURE-TREATED LUMBER SHALL BE TYPE 304 OR 316 STAINLESS STEEL. THIS INCLUDES WASHERS, SCREWS, NAILS, HANGERS, AND ANY OTHER MISCELLANEOUS LT. GAGE METAL CONNECTORS. WHERE ACQ LUMBER IS USED IN INTERIOR CONDITIONS, GIBS 'HOT-DIP' GALVANIZED TO 100 OUNCES PER SQUARE FOOT METAL CONNECTORS MAY BE USED IN LIEU OF STAINLESS STEEL. METAL CONNECTORS 1/2" THICK OR GREATER NEED NOT BE GALVANIZED FOR INTERIOR USE. METAL CONNECTORS 1/2" THICK PLUS ARE TO BE GALVANIZED FOR EXTERIOR USE, UNLESS SPECIFIED OTHERWISE BY THE ARCHITECT.

44. TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE 'STRONG-TIE' BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NO.C-2019. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICBO APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER. ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. 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 SHIP'S SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM) AS MEMBERS CONNECTED.

ALL JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH 'V' SERIES JOIST HANGERS. ALL DOUBLE AND TRIPPLE JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH 'H' SERIES JOIST HANGERS.

45. HOLDDOWNS CALLED OUT BY LETTERS 'HDU', AND 'HD', ARE MANUFACTURED BY THE SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NO.C-2019. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICBO APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. EACH SIMPSON HOLD-DOWN SHALL BE BOLTED TO A MINIMUM OF (2) STUDS. SEE SCHEDULE ON PLANS FOR FURTHER STUD REQUIREMENTS. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER. ALL HOLDDOWNS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.

46. 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 INTERNATIONAL BUILDING CODE. MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO TABLE 2304.1(1) OF THE INTERNATIONAL BUILDING CODE UNLESS NOTED OTHERWISE. ALL NAILS SHALL BE COMMON. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG SCREWS BEARING ON WOOD.

- B. WALL FRAMING: ALL STUD WALLS SHOWN AND NOT OTHERWISE NOTED SHALL BE 2 X 4 STUDS @ 16" O.C. AT INTERIOR WALLS AND 2 X 6 @ 16" O.C. AT EXTERIOR WALLS. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS. TWO 2 X 8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. PROVIDE CONTINUOUS SOLID BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 8' IN HEIGHT.

ALL STUD WALLS ATTACHED TO CONCRETE FOUNDATION WALLS SHALL HAVE THEIR LOWER WOOD PLATES BOLTED WITH 3/8" DIAMETER ANCHOR BOLTS @ 6'-0" O.C. WITH 3" X 3" X 1/4" SQUARE WASHERS OR 3" DIAMETER ROUND WASHERS UNLESS OTHERWISE NOTED. LAYOUT OF WALL PLATES, STUDS, AND ANCHORS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 2308.6 OF THE 2019 IBC. ALL SILL PLATE PIECES SHALL HAVE A MINIMUM OF TWO ANCHOR BOLTS EMBEDDED INTO CONCRETE WITH THE FIRST ANCHOR BOLT LOCATED NOT MORE THAN 12" FROM THE END OF THE PLATE, AND NO CLOSER THAN 4" TO THE END. ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH 1/2" NAILS AT 12" O.C. STAGGERED, UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP PARTS SHALL BE NAILED TO EACH OTHER WITH 1/2" 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 PLYWOOD SHEATHING ON EXTERIOR SURFACES NAILED TO ALL STUDS, TOP AND BOTTOM PLATES AND BLOCKING WITH NAILS AT 8" O.C. USE 5D COOLER NAILS FOR 1/2" GIB AND 6D COOLER NAILS FOR 3/8" GIB. USE 8D COMMON 2-1/4" LONG DIAMOND POINT, GALVANIZED NAILS FOR EXTERIOR SHEATHING.

- C. FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT EXTEND MORE THAN ONE-HALF OF THE JOIST LENGTH AND AROUND ALL OPENINGS IN FLOORS OR ROOFS UNLESS OTHERWISE NOTED. PROVIDE BRIDGING @ 8' O.C. AND SOLID BLOCKING AT ALL BEARING POINTS. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.

TOENAIL JOISTS TO SUPPORTS WITH TWO 1/2" NAILS. ATTACH TIMBER JOISTS TO FLUSH HEADERS OR BEAMS WITH SIMPSON METAL JOIST HANGERS IN ACCORDANCE WITH NOTES ABOVE. NAIL ALL MULTIPLE JOIST BEAMS TOGETHER WITH 1/2" O.C. STAGGERED.

UNLESS OTHERWISE NOTED ON THE PLANS, PLYWOOD ROOF AND FLOOR SHEATHING SHALL BE LAID UP WITH GRAIN PERPENDICULAR TO SUPPORTS AND NAILED WITH 8D NAILS @ 6" O.C. TO FRAMED PANEL EDGES AND OVER STUD WALLS AS SHOWN ON PLANS AND @ 12" O.C. (10" O.C. AT FLOORS) TO INTERMEDIATE SUPPORTS. PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES OR PROVIDE SOLID BLOCKING. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED TONGUE-AND-GROOVE JOINTS AT UNBLOCKED EDGES OR SHALL BE SUPPORTED WITH SOLID BLOCKING. TOENAIL BLOCKING TO PLATE WITH 1/2" O.C. OR (2) 1/2" @ 16" EACH END AT SUPPORTS UNLESS OTHERWISE NOTED. AT BLOCKED FLOOR AND ROOF DIAPHRAGMS, INSTALL FLAT 2X BLOCKING AT ALL UNFRAMED PANEL EDGES AND NAIL WITH EDGE NAILING SPECIFIED.

- D. NAILING: MINIMUM NAIL DIAMETER AND LENGTH SHALL BE AS FOLLOWS:

NAIL SIZE ON DRAWINGS OR DETAILS		DIAMETER AND LENGTH
SHEATHING NAILS	8D	Ø1 1/8" X 2 1/2"
	10D	Ø1 1/4" X 2 1/2"
FRAMING NAILS	8D	Ø1 1/8" X 2 1/2"
	10D	Ø1 1/4" X 3"
	16D	Ø1 3/8" X 3 1/2"

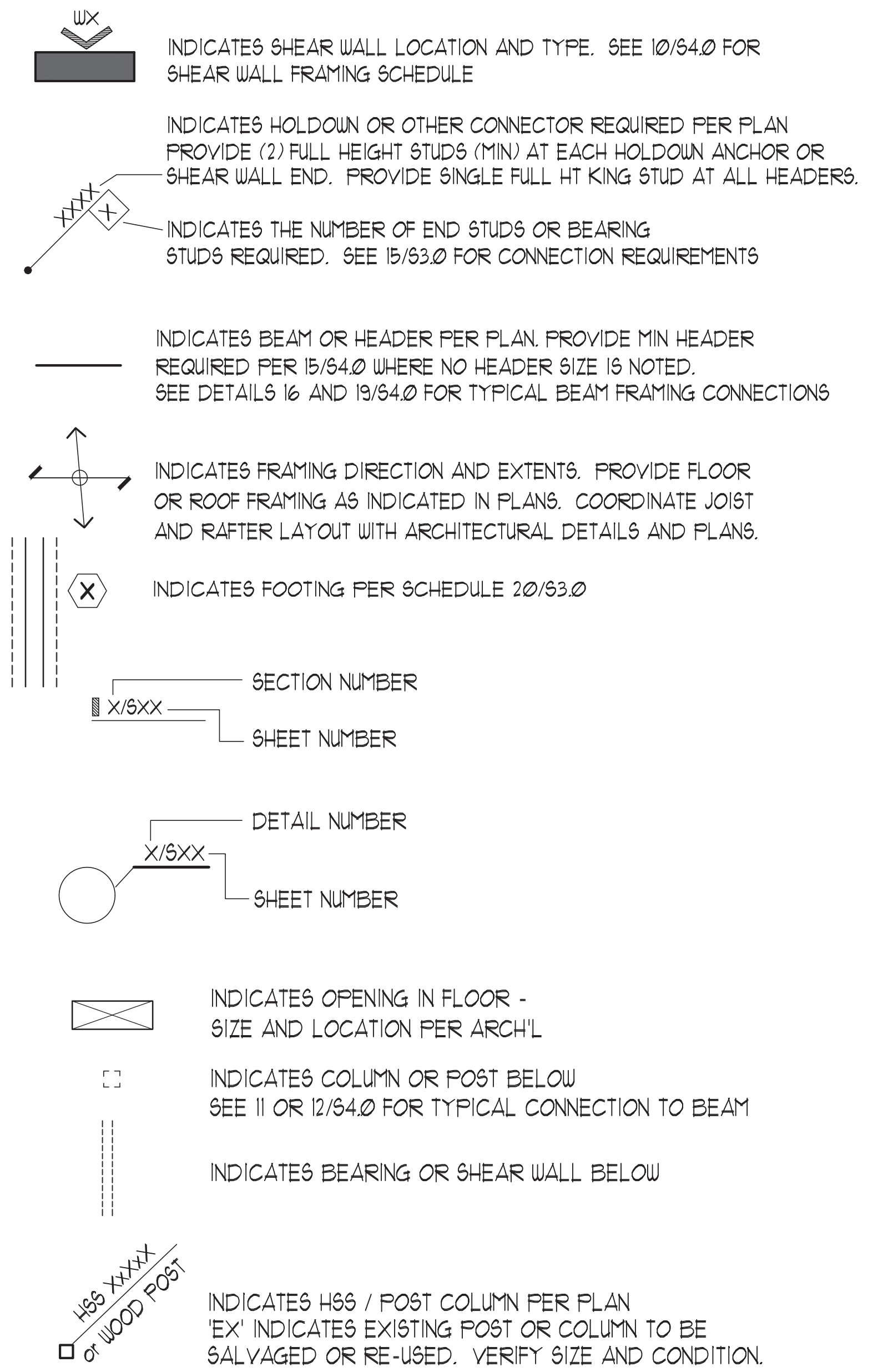
DRAWING INDEX:

- 51.0 - GENERAL STRUCTURAL NOTES
 51.1 - STRUCTURAL NOTES AND LEGENDS
 52.0 - BASEMENT/ FOUNDATION PLAN
 52.1 - MAIN FLOOR FRAMING PLAN
 52.2 - ROOF FRAMING PLAN
 53.0 - TYPICAL CONCRETE DETAILS AND SCHEDULES
 53.1 - CONCRETE SECTIONS AND DETAILS
 53.2 - COMPOSITE FLOOR AND CMU FIREPLACE CONSTRUCTION DETAILS
 54.0 - TYPICAL WOOD FRAMING DETAILS AND SCHEDULES
 54.1 - WOOD FRAMING SECTIONS AND DETAILS
 54.2 - ADDITIONAL CONNECTION AND FRAMING DETAILS
 55.0 - STEEL TRUSS ELEVATIONS AND DETAILS
 55.1 - TYPICAL STEEL FRAMING DETAILS

ABBREVIATIONS:

A/B	ANCHOR BOLT	HORIZ	HORIZONTAL
ADD'L	ADDITIONAL	H66	HOLLOW STRUCTURAL SECTION
ALT.	ALTERNATE	LVL	LAMINATED VENEER LUMBER
ARCH'L	ARCHITECTURAL	MATL	MATERIAL
ATR	ALL-THREAD ROD	MAX	MAXIMUM
BLDG	BUILDING	MB	MACHINE BOLT
BOT	BOTTOM	MIN	MINIMUM
BP	BEAM	MTL	METAL
BTUN	BETWEEN	O.C.	ON CENTER
C	CAMBER	OPP	OPPOSITE HAND
C/P	COMPLETE JOINT PENETRATION	OPF	OPPOSITE
CMU	CONCRETE MASONRY UNIT	OSB	ORIENTED STRAND BOARD
COL.	COLUMN	PLATE	PLATE
CONC	CONCRETE	PLYUD	PLYWOOD
CONN.	CONNECTION	PSL	PARALLEL STRAND LUMBER (PARALLAM)
CONT	CONTINUOUS	REIN	REINFORCING
CTRD	CENTERED	REQ'D	REQUIRED
DIA	DIAMETER	SIM	SIMILAR
DIAG	DIAGONAL	STIFF	STIFFENER
DUALS	DOUELS	T&G	TONGUE AND GROOVE
EA	EACH	T.O.S.	TOP OF STEEL
EL.	EACH FACE	T.O.W.	TOP OF WALL
ELEV	ELEVATION	THRU	THROUGH
EMBED	EMBEDMENT	TYP	TYPICAL
ENGR	ENGINEER	UNL	UNLESS OTHERWISE NOTED
EW	EACH WAY	VERT	VERTICAL
EX	EXISTING	W	WITH
EXP	EXPANSION	WD	WOOD
FDN	FOUNDATION	WF	WIDE FLANGE
FIN	FINISH	WTS	WELDED TREADED STUDS
FTG	FOOTING		
GA	GAGE		
GEN.	GENERAL		
GL.B.	GLULAM BEAM		

LEGEND



- SEE DETAILS 13-15/53.0 FOR HOLDOWN CONNECTION DETAILS AT FOUNDATIONS
 SEE DETAIL 16/53.0 FOR TYPICAL ANCHOR BOLTS SET INTO CONCRETE
 SEE DETAIL 8/53.1 FOR WOOD BEAM HANGER SCHEDULE ATTACHED TO CONCRETE
 SEE SHEET 53.2 FOR CMU CHIMNEY AND FIREPLACE REINFORCING AND DETAILS
 SEE DETAIL 8/54.0 FOR ALLOWABLE NOTCHES IN FRAMING STUDS
 SEE DETAIL 20/54.0 FOR TYPICAL WOOD FRAMING HANGER SCHEDULE
 SEE DETAILS 1 AND 4/54.1 FOR OPENINGS AND PENETRATIONS IN CONCRETE WALLS AND FOUNDATIONS
 SEE DETAIL 2/55.1 FOR TYPICAL STEEL BEAM SHEAR TAB SCHEDULE
 SEE DETAIL 20/55.1 FOR STEEL COLUMN BASE PLATE SCHEDULE
 SEE DETAIL 3 AND 5/55.1 FOR TYPICAL WOOD NAILER CONNECTIONS AT STEEL FRAMING



12/02/2019

BUILDING PERMIT SUBMITTAL
 DECEMBER 18, 2020

LAKE HOUSE
 3310 97TH AVE. SE
 MERCER ISLAND, WA 98040

12-10-21 CD SET

TITLE
**GENERAL
 STRUCTURAL
 NOTES CONT.**

PROJECT NO.: 191966.1
 E.O.R.: Mark Speidel
 DESIGNED: HTS
 DRAWN: KSH

ISSUE DATE
 PERMIT SET 12-18-2020

REVISIONS	DATE
▲ PERMIT REV	06/03/21
▲ PERMIT REV	07/05/21
▲ PERMIT REV	07/23/21
▲ PERMIT REV	08/03/21
▲ ALL PERMIT REV	08/20/21
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SHEET NO.
S1.1

REVIEW



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12/20/21

LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

12-10-21 CD SET

TITLE
FOUNDATION AND FIRST FLOOR PLAN

PROJECT NO.: 191986.1
E.O.R.: Mark Spidel
DESIGNED: MTS
DRAWN: KPH

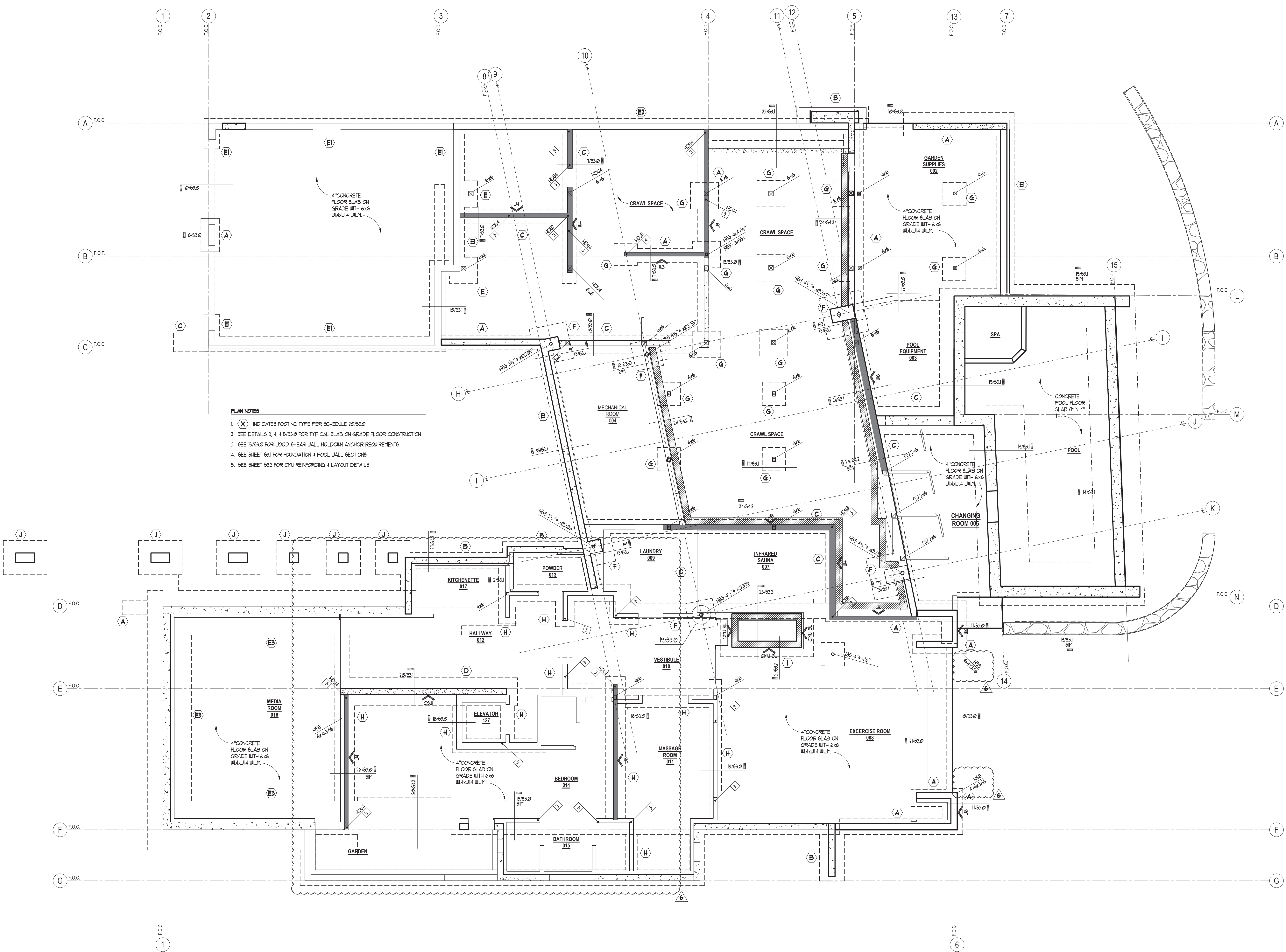
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▲ PERMIT REV	07/23/21
▲ PERMIT REV	08/03/21
▲ U.I. PERMIT REV	08/20/21
▲ CD SET REV	12/10/21

SHEET NO.

S2.0

REVIEW



- PLAN NOTES**
1. (X) INDICATES FOOTING TYPE PER SCHEDULE 20/53.0
 2. SEE DETAILS 3, 4, 4 5/83.0 FOR TYPICAL SLAB ON GRADE FLOOR CONSTRUCTION
 3. SEE 19/53.0 FOR WOOD SHEAR WALL HOLD-DOWN ANCHOR REQUIREMENTS
 4. SEE SHEET 531 FOR FOUNDATION & POOL WALL SECTIONS
 5. SEE SHEET 532 FOR CHU REINFORCING & LAYOUT DETAILS

1 FOUNDATION AND FIRST FLOOR FRAMING PLAN
1/4" = 1'-0"





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12/2021

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

12-10-21 CD SET
TITLE
MAIN FLOOR PLAN

PROJECT NO.: 191986.1
E.O.R.: Mark Spidell
DESIGNED: MTS
DRAWN: KPH

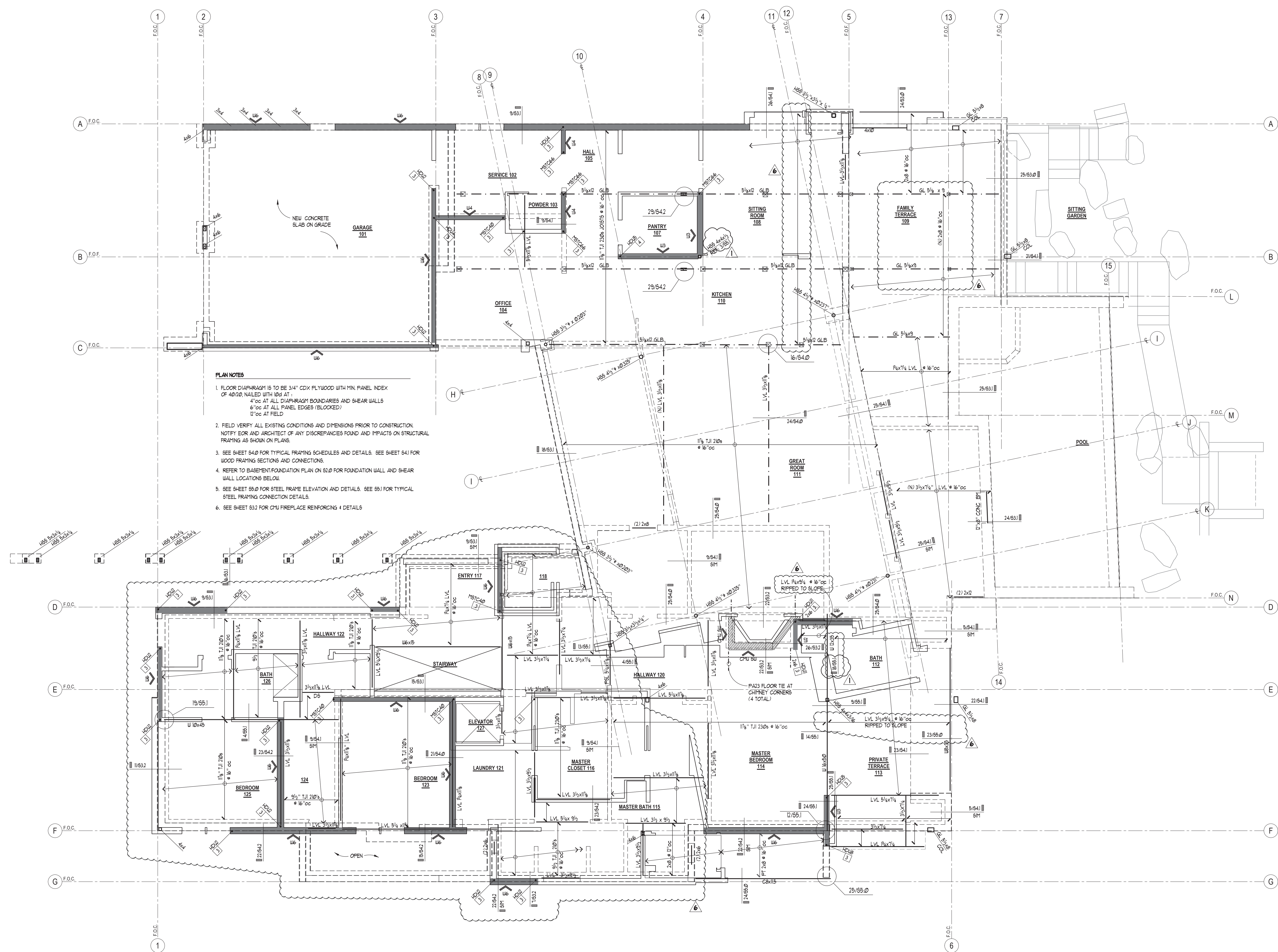
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▲ PERMIT REV	07/23/21
▲ PERMIT REV	08/03/21
▲ I.I. PERMIT REV	08/20/21
▲ CD SET REV	12/10/21

SHEET NO.

S2.1

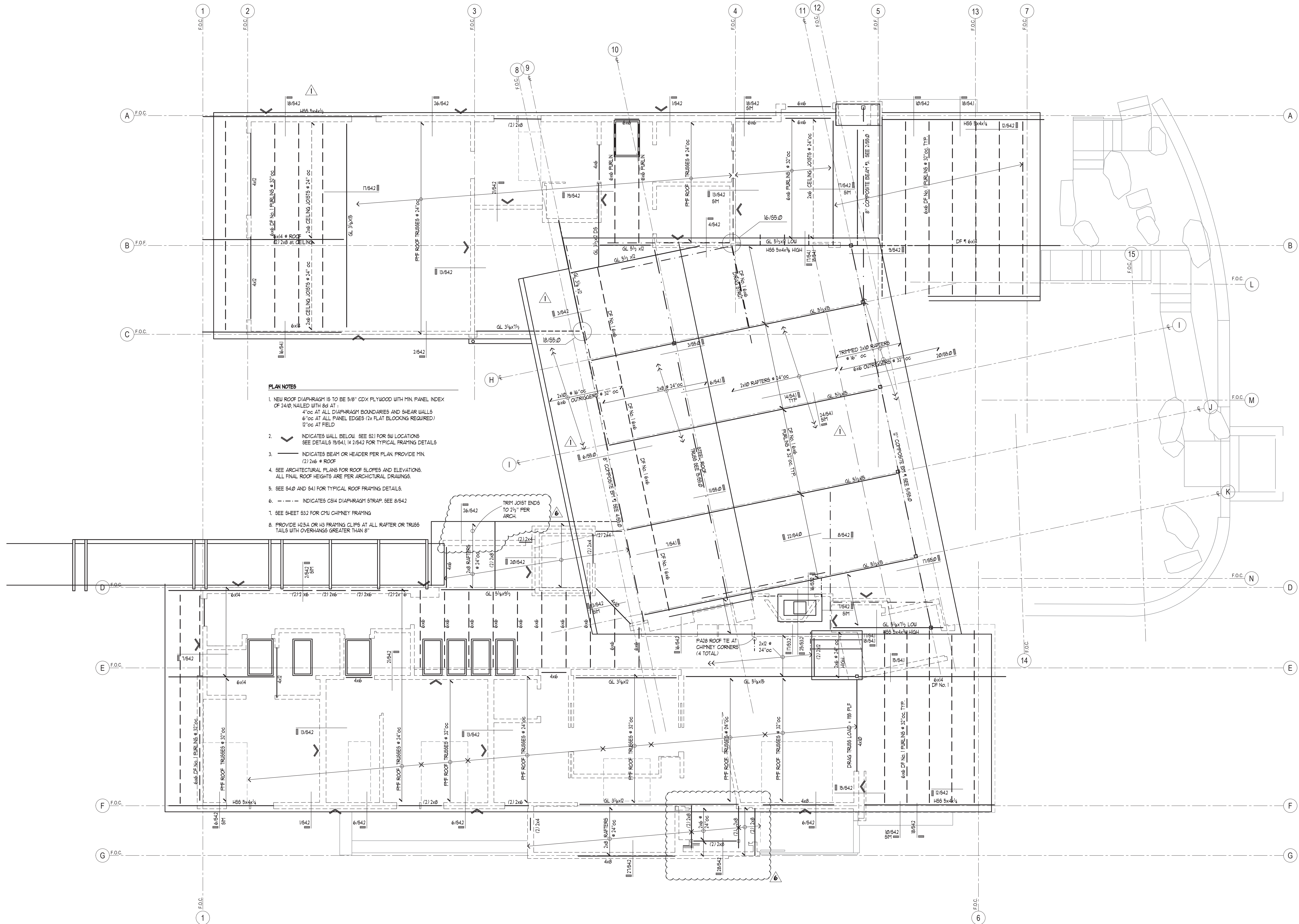
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- PLAN NOTES**
- FLOOR DIAPHRAGM IS TO BE 3/4" CDX PLYWOOD WITH MIN PANEL INDEX OF 40/20 NAILED WITH 10d AT:
4" oc AT ALL DIAPHRAGM BOUNDARIES AND SHEAR WALLS
6" oc AT ALL PANEL EDGES (BLOCKED)
12" oc AT FIELD
 - FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO CONSTRUCTION. NOTIFY EOR AND ARCHITECT OF ANY DISCREPANCIES FOUND AND IMPACTS ON STRUCTURAL FRAMING AS SHOWN ON PLANS.
 - SEE SHEET 540 FOR TYPICAL FRAMING SCHEDULES AND DETAILS. SEE SHEET 541 FOR WOOD FRAMING SECTIONS AND CONNECTIONS.
 - REFER TO BASEMENT FOUNDATION PLAN ON 520 FOR FOUNDATION WALL AND SHEAR WALL LOCATIONS BELOW.
 - SEE SHEET 550 FOR STEEL FRAME ELEVATION AND DETAILS. SEE 551 FOR TYPICAL STEEL FRAMING CONNECTION DETAILS.
 - SEE SHEET 532 FOR CMU FIREPLACE REINFORCING 4 DETAILS.

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





PLAN NOTES

1. NEW ROOF DIAPHRAGM IS TO BE 5/8" CDX PLYWOOD WITH MIN. PANEL INDEX OF 24/0, NAILED WITH 8d AT:
 - 4" OC AT ALL DIAPHRAGM BOUNDARIES AND SHEAR WALLS
 - 6" OC AT ALL PANEL EDGES (2x FLAT BLOCKING REQUIRED)
 - 12" OC AT FIELD
2. INDICATES WALL BELOW. SEE 921 FOR SW LOCATIONS. SEE DETAILS 19/541, 14 21/542 FOR TYPICAL FRAMING DETAILS.
3. INDICATES BEAM OR HEADER PER PLAN. PROVIDE MIN. (2) 2x6 @ ROOF
4. SEE ARCHITECTURAL PLANS FOR ROOF SLOPES AND ELEVATIONS. ALL FINAL ROOF HEIGHTS ARE PER ARCHITECTURAL DRAWINGS.
5. SEE 5/40 AND 5/41 FOR TYPICAL ROOF FRAMING DETAILS.
6. INDICATES CS#4 DIAPHRAGM STRAP. SEE 8/542
7. SEE SHEET 5/32 FOR CHU CHIMNEY FRAMING
8. PROVIDE H2/54 OR H3 FRAMING CLIPS AT ALL RAFTER OR TRUSS TAILS WITH OVERHANGS GREATER THAN 8"

1 ROOF FRAMING PLAN
1/4" = 1'-0"



12/20/21

LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

12-10-21 CD SET

TITLE
ROOF PLAN

PROJECT NO.: 191988.1
E.O.R.: Mark Spidell
DESIGNED: MTS
DRAWN: KPH

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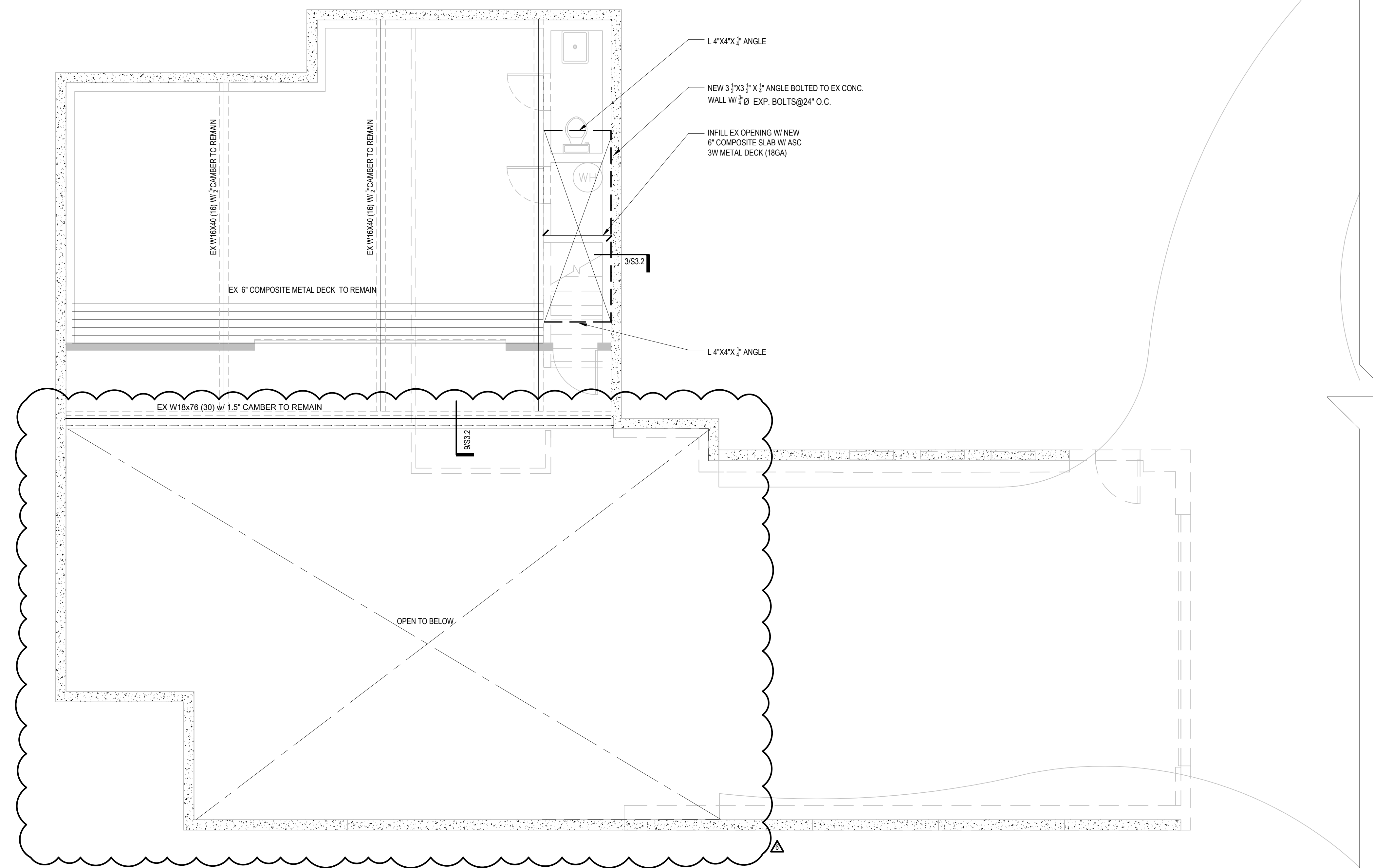
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PERMIT REV	07/23/21
PERMIT REV	08/03/21
PERMIT REV	08/20/21
CD SET REV	12/10/21

SHEET NO.
S2.2

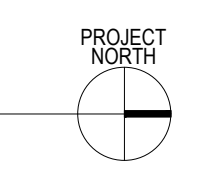
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PLAN NOTES:
1. SEE SHEET S2.2 FOR THE DETAILS OF THE COMPOSITE FLOOR SYSTEM



1 ACCESSORY BLDG ROOF FRAMING PLAN
1/4" = 1'-0"



REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE
(For Grade 60, Uncoated Bars, Normal Weight Concrete)

MINIMUM STRAIGHT DEVELOPMENT LENGTH (l_{d}) *

BAR SIZE	$f'c = 2500$ PSI		$f'c = 4000$ PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	16"	15"	14"	12"
# 4	22"	17"	19"	15"
# 5	27"	21"	23"	18"
# 6	35"	27"	31"	24"

* "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM.
IF CLEAR CONCRETE COVER IS NOT GREATER THAN THE DIAMETER OF THE BAR OR THE CENTER TO CENTER SPACING IS NOT GREATER THAN 3 BAR DIAMETERS, THEN VALUES SHALL BE INCREASED BY 43%.

MINIMUM LAP SPLICE LENGTHS (l_{s}) *

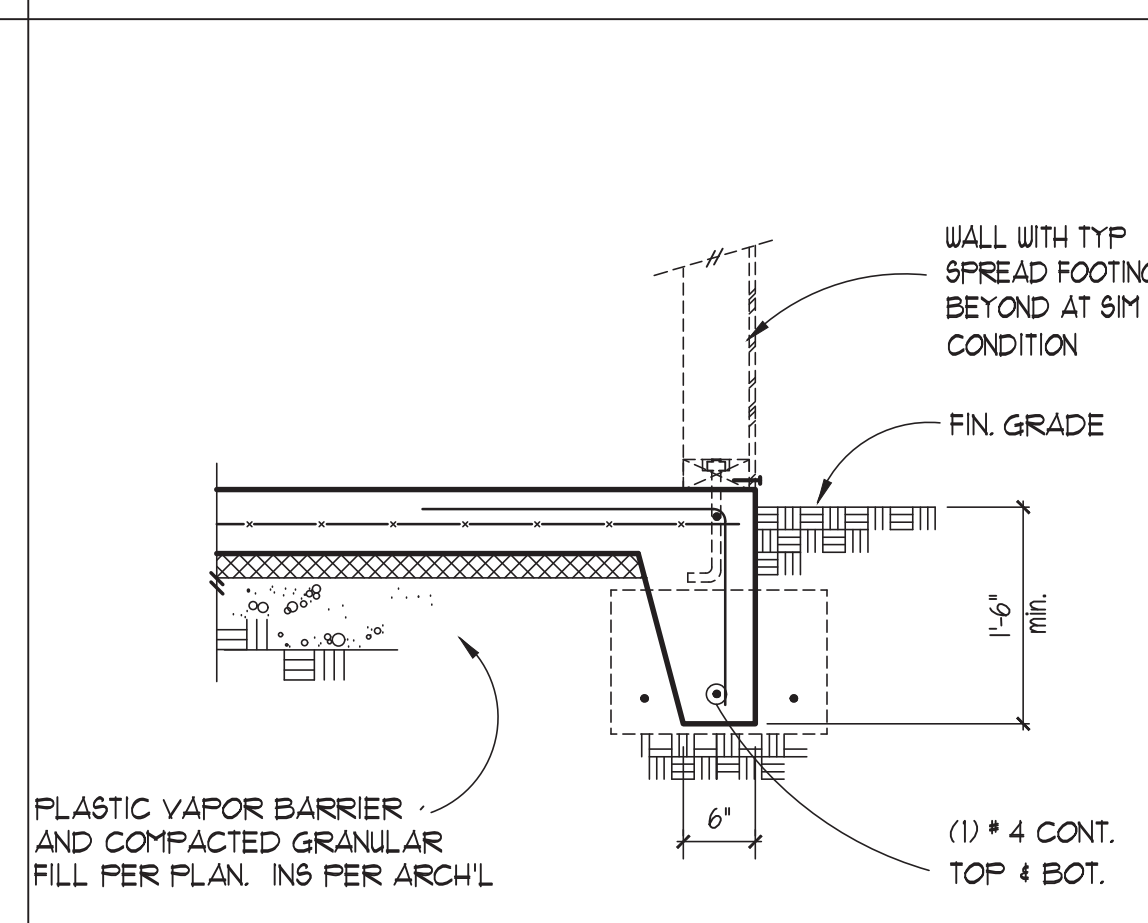
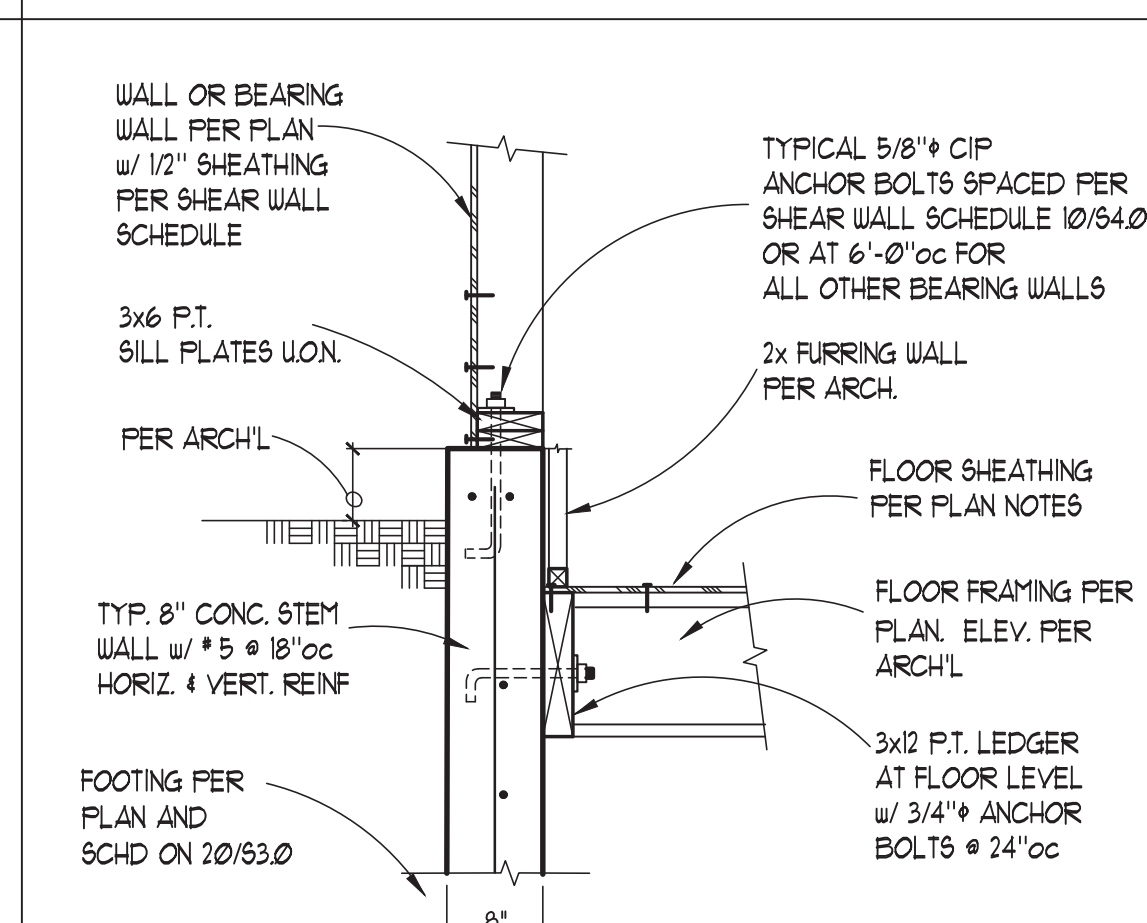
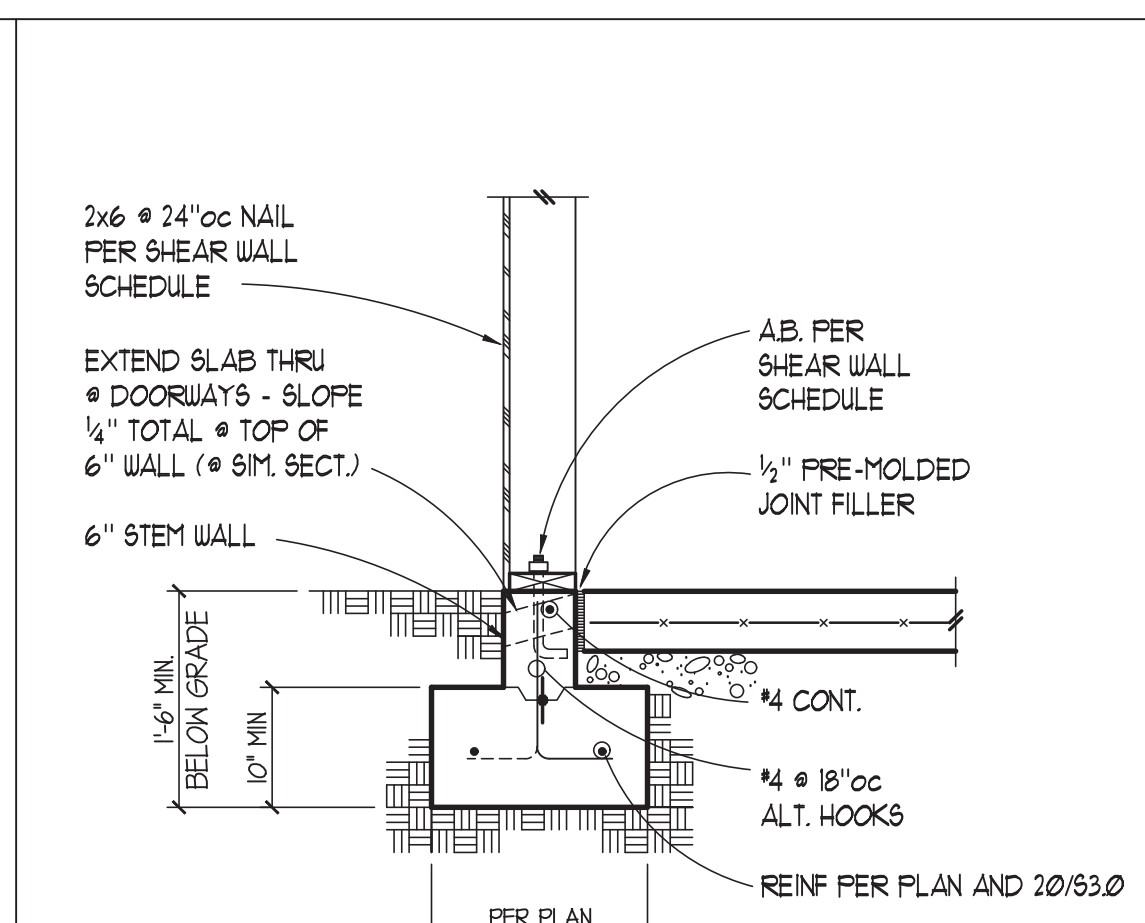
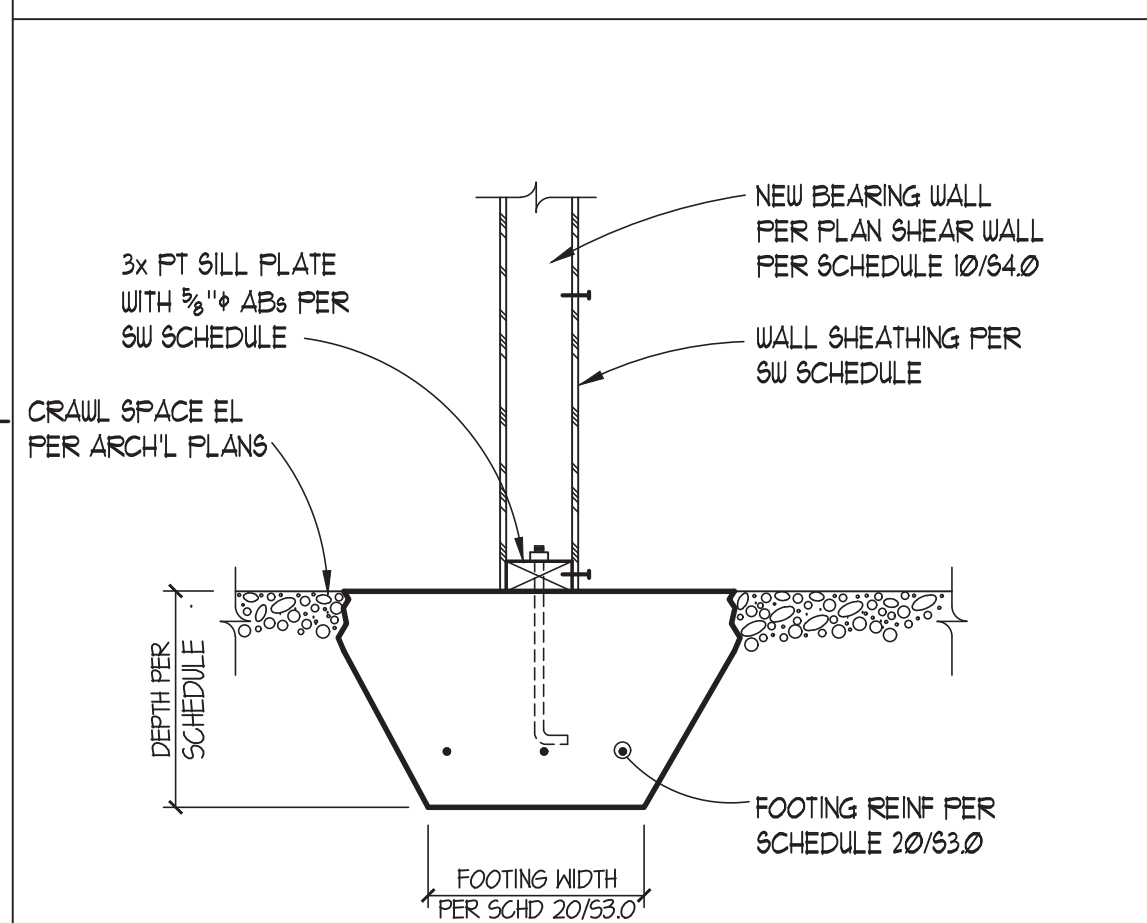
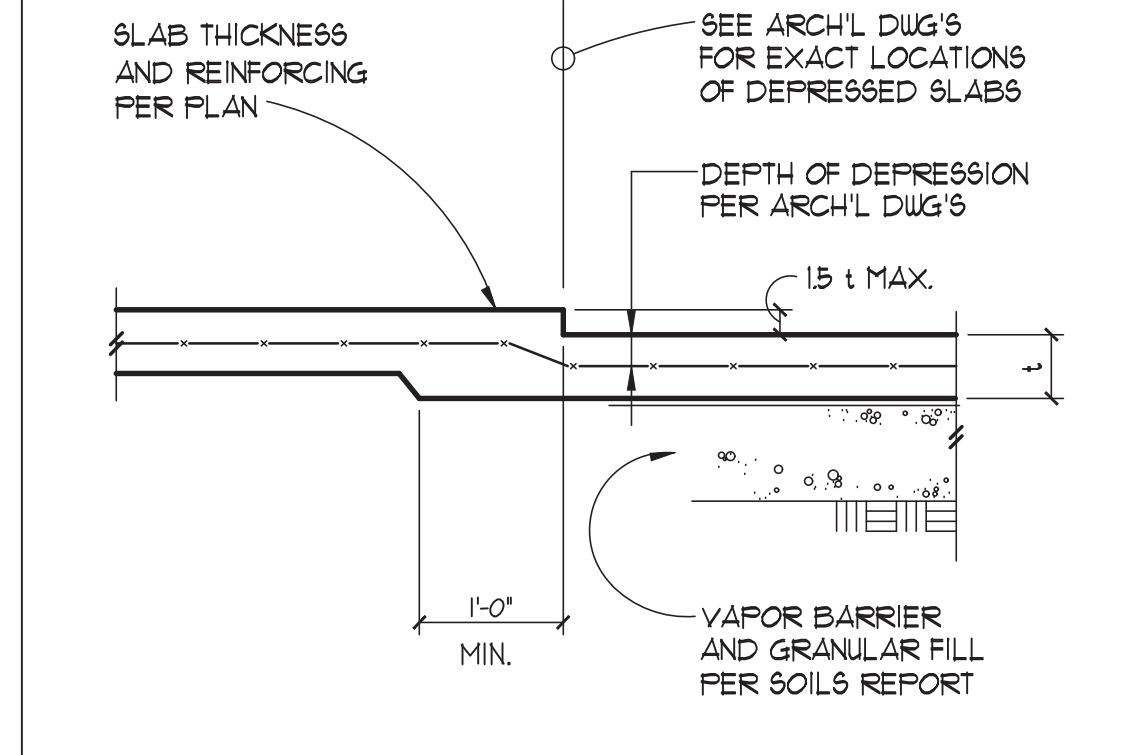
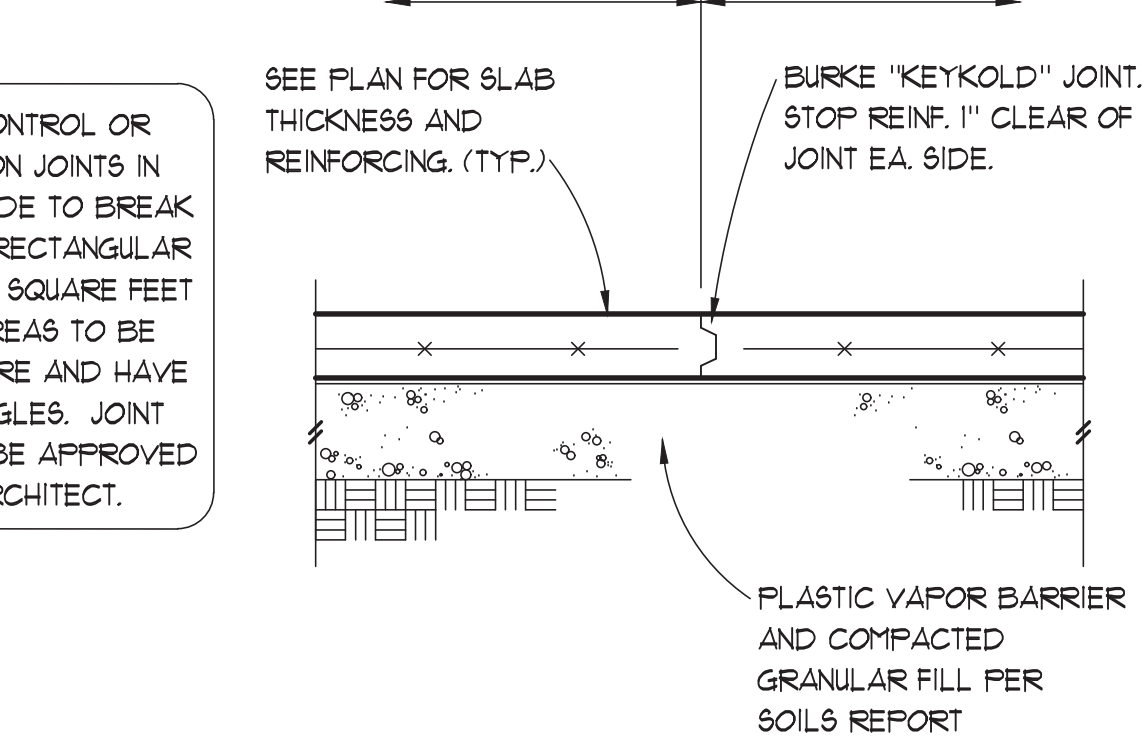
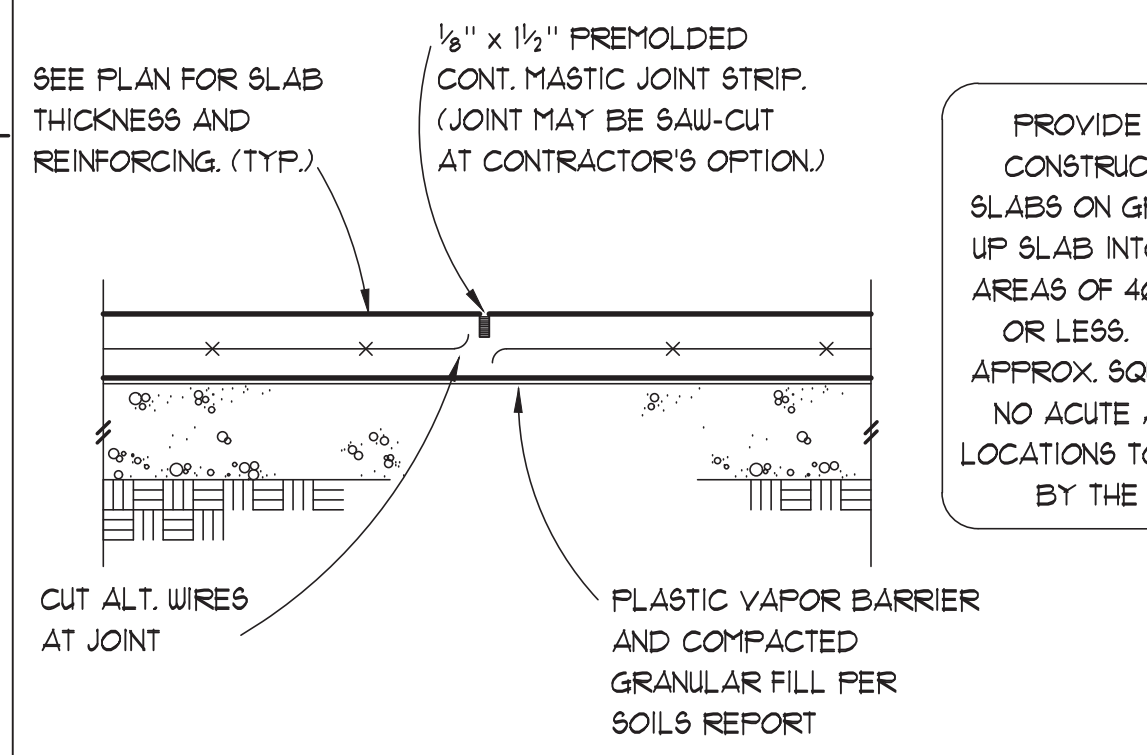
BAR SIZE	$f'c = 2500$ PSI		$f'c = 4000$ PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	21"	16"	18"	16"
# 4	28"	22"	24"	19"
# 5	35"	27"	30"	23"
# 6	46"	35"	40"	31"

MINIMUM EMBEDMENT LENGTHS (l_{eH}) FOR STANDARD END HOOKS

A. for general uses:

BAR SIZE	$f'c = 3000$ PSI		$f'c = 4000$ PSI	
	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS
# 3	6"	6"	6"	6"
# 4	8"	7"	7"	7"
# 5	10"	9"	9"	9"
# 6	12"	10"	10"	10"

- SIDE COVER MUST BE EQUAL TO OR GREATER THAN 2 1/2".
- END COVER FOR 90° HOOKS MUST BE EQUAL TO OR GREATER THAN 2".

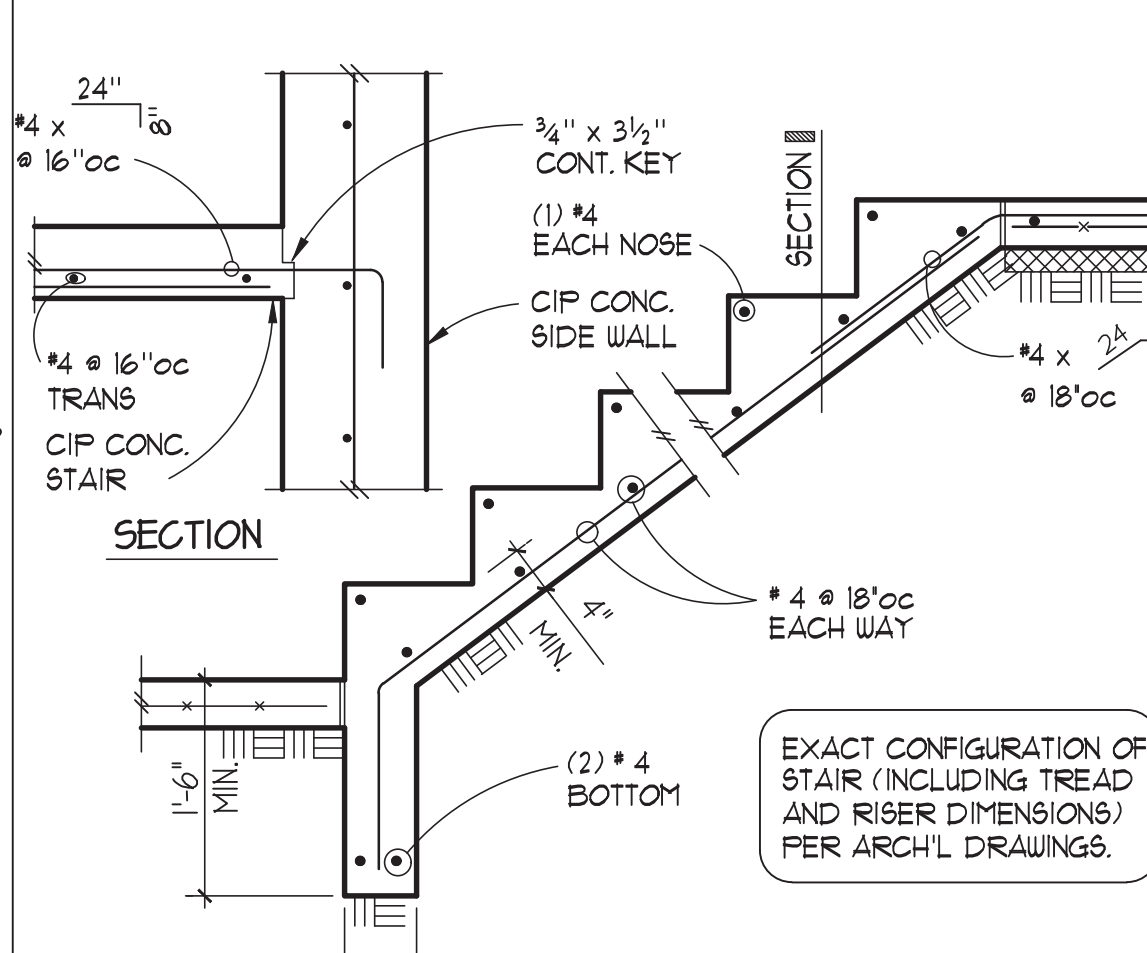
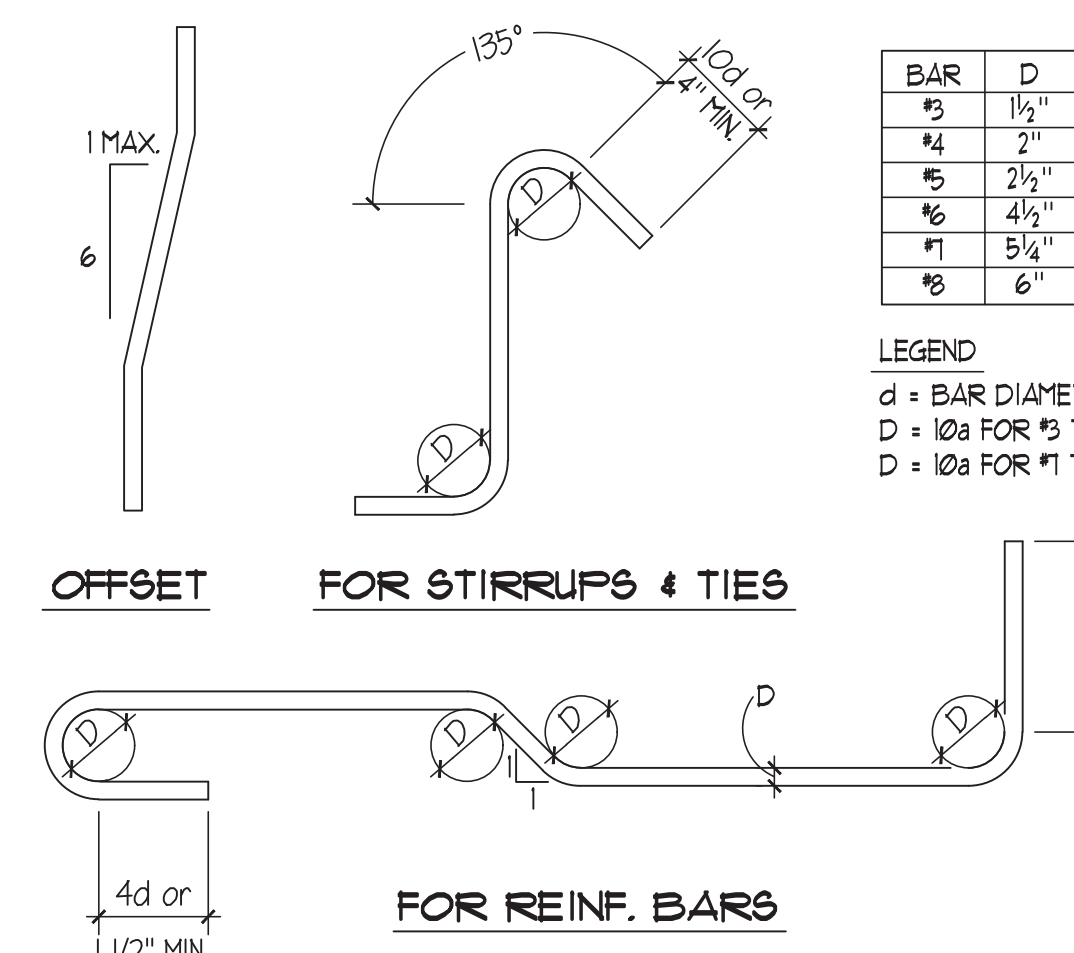


NEW INTERIOR WALL OVER FOOTING AT CRAWLSPACE 7

PERIMETER FOOTING w/ SLAB ON GRADE 8

FRAMED FLOOR TO CONCRETE WALL 9

TURNED DOWN SLAB EDGE FOOTING 10



HOLDOWN ANCHOR SCHEDULE

CALLOUT	AB. SIZE	CAPACITY (Kips)
HDU1	3/8" AB.	3.07
HDU4	3/8" AB.	4.56
HDU5	3/8" AB.	5.64
HDU8	1/2" AB.	7.87
HDU11	1/2" AB.	11.71

HOLDOWNS SPECIFIED ON PLANS ARE MANUFACTURED BY SHIMSON STRONG TIE, INC. UNLESS OTHERWISE NOTED. CAPACITIES ARE BASED ON THE MOST RECENT CATALOGUE AND ICC REPORTS FOR THE MODELS LISTED.

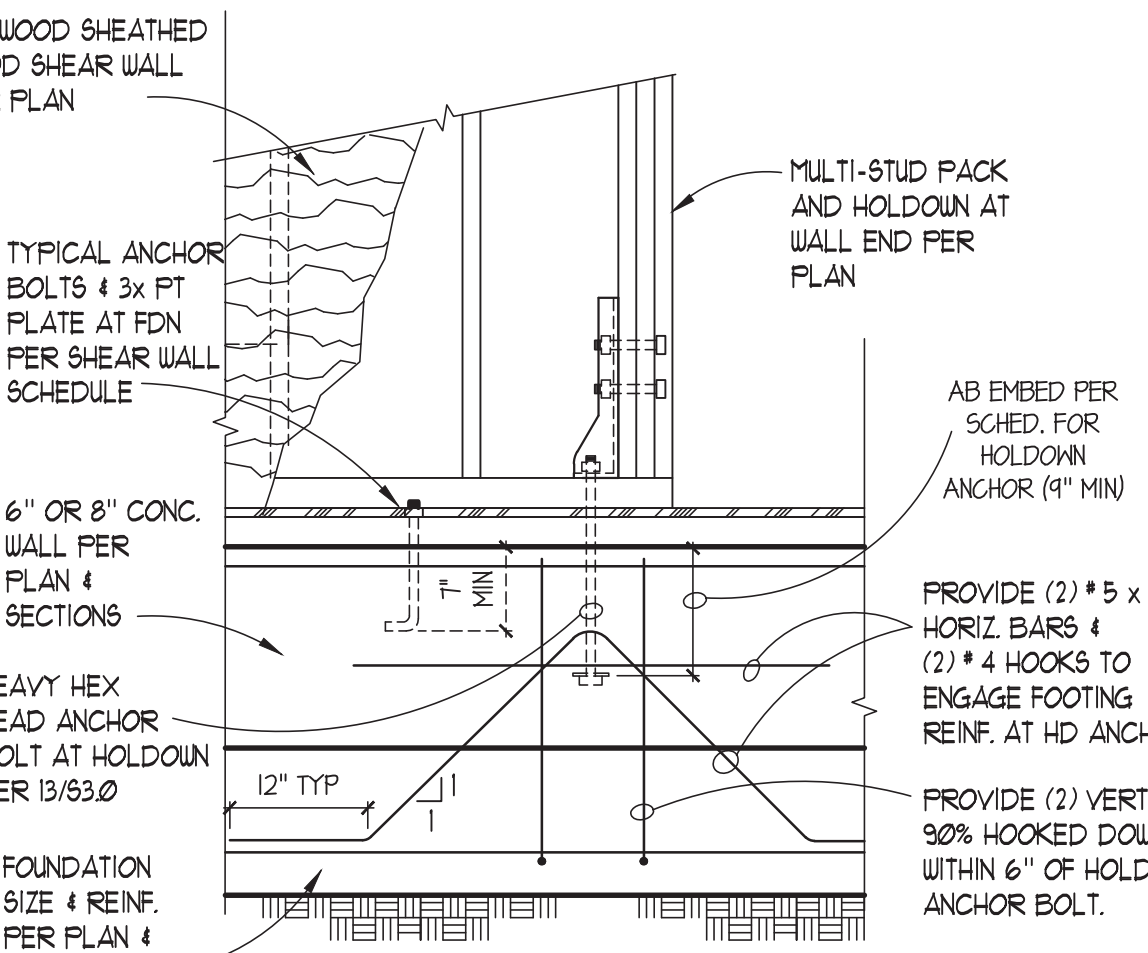
ALTERNATE HOLDOWN ANCHORS MAY BE SUBSTITUTED AT THE CONTRACTOR OR OWNER'S OPTION PROVIDED THEY ARE APPROVED BY THE ENGINEER OF RECORD AND HAVE A CURRENT ICC REPORT STATING THEIR CAPACITY MEETS OR EXCEEDS THE DESIGN CAPACITY LISTED ABOVE.

DESIGN CAPACITIES ARE BASED ON Douglas Fir FRAMING LUMBER AS STATED IN THE GENERAL STRUCTURAL NOTES. SUBSTITUTING ALTERNATE LUMBER GRADES MAY CAUSE HOLDOWNS AND THEIR CONNECTIONS TO FAIL AT LOWER CAPACITIES THAN THOSE DESIGNED FOR.

HOLDOWN EMBEDMENTS INTO STEM WALL CONDITIONS

ANCHOR BOLT DIA. 'D' (CAP.)	MINIMUM EMBEDMENT DEPTH (Le)		
	INTO 6" STEM	INTO 8" STEM	INTO MIN. 16" WIDE FTG.
5/8" (5.6k)	14"	12"	9"
3/4" (7.1k)	20"	14"	10"
7/8" (10.1k)	N/A	24"	12"
1" (14.1k)	N/A	N/A	15"
1 1/8" (20.1k)	N/A	N/A	20"

ANCHOR BOLT EMBEDMENTS ARE BASED ON HEAVY HEX HEAD ANCHOR BOLTS CAST INTO CONCRETE WALLS OR FOUNDATIONS. ANCHOR BOLTS SHALL NOT BE WET-SET AND SHOULD NOT BE DRILLED AND EPOXIED INTO CONCRETE WITHOUT APPROVAL BY THE ENGINEER OF RECORD.



STAIR ON GRADE 12

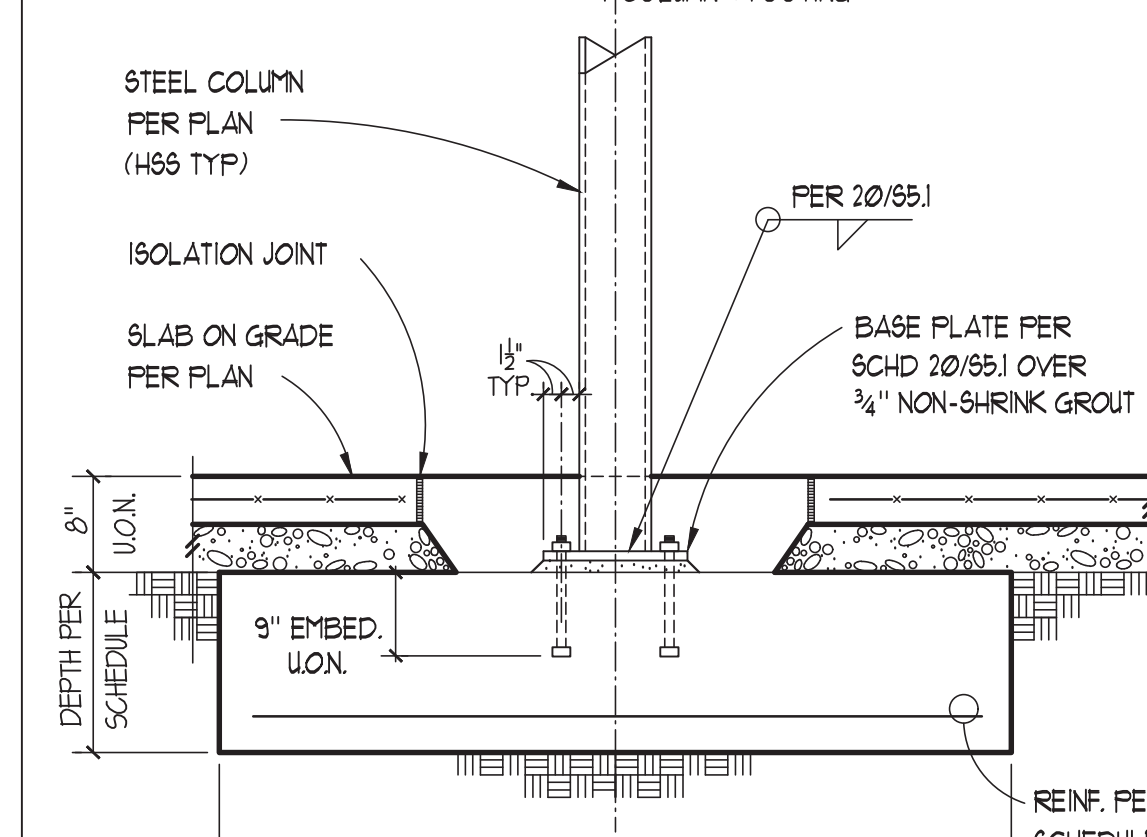
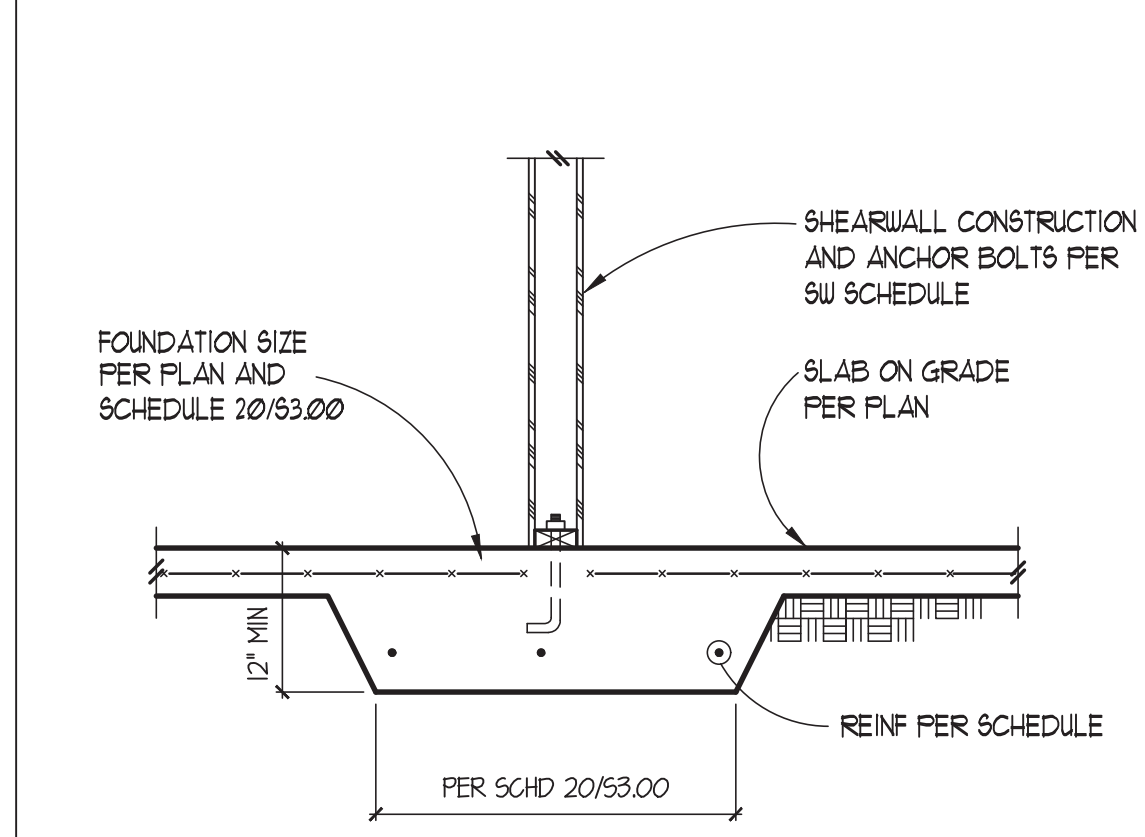
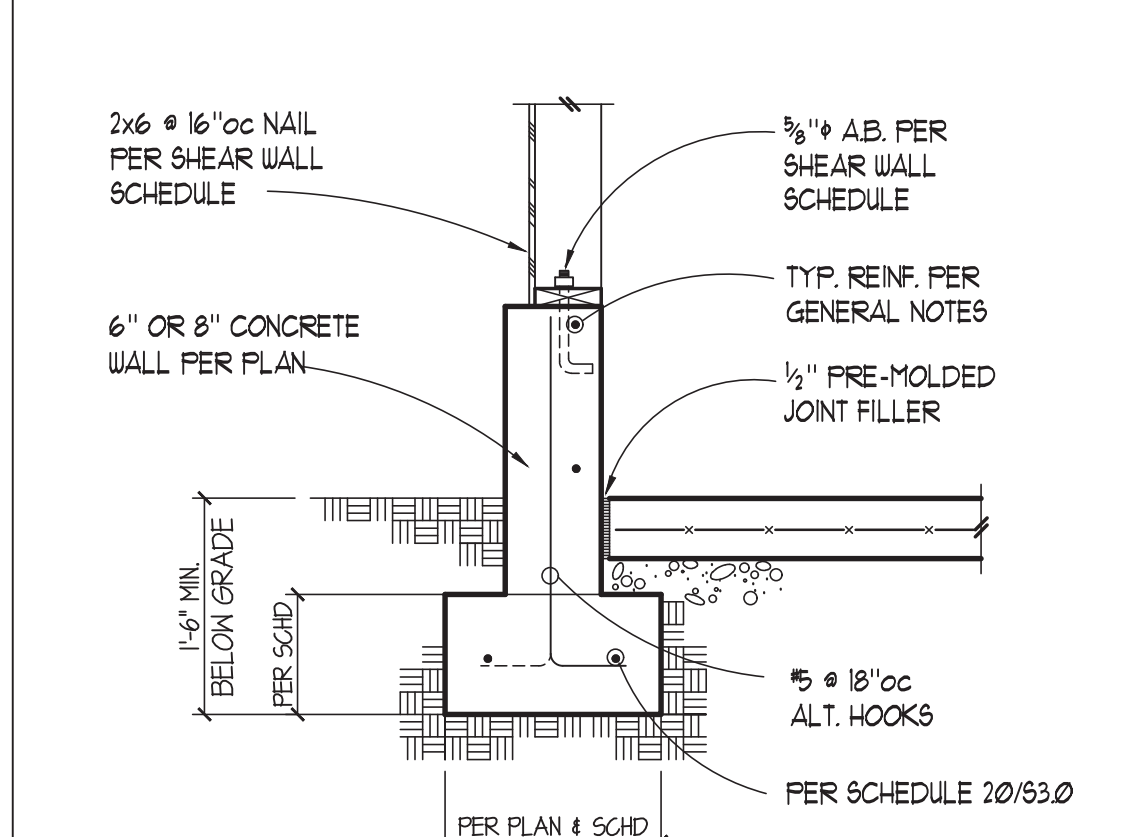
HOLDOWN EMBEDMENTS INTO STEM WALL CONDITIONS 13

TYPICAL HOLDOWN TO FOUNDATION WALL SECTION 15

TYP. ANCHOR BOLT

BOLT DIA. 'D'	MINIMUM EMBEDMENT	
	ANCHOR BOLTS IN HORIZ. SURFACE	ANCHOR BOLTS IN VERT. SURFACE
1/2"	5"	7"
3/8"	5"	7"
3/4"	5"	7"
1"	7"	9"
1 1/8"	8"	10"

NOTE: ANCHOR BOLT EMBEDMENT IN VERTICAL SURFACE APPLIES TO CONCRETE ONLY.



FOUNDATION SCHEDULE

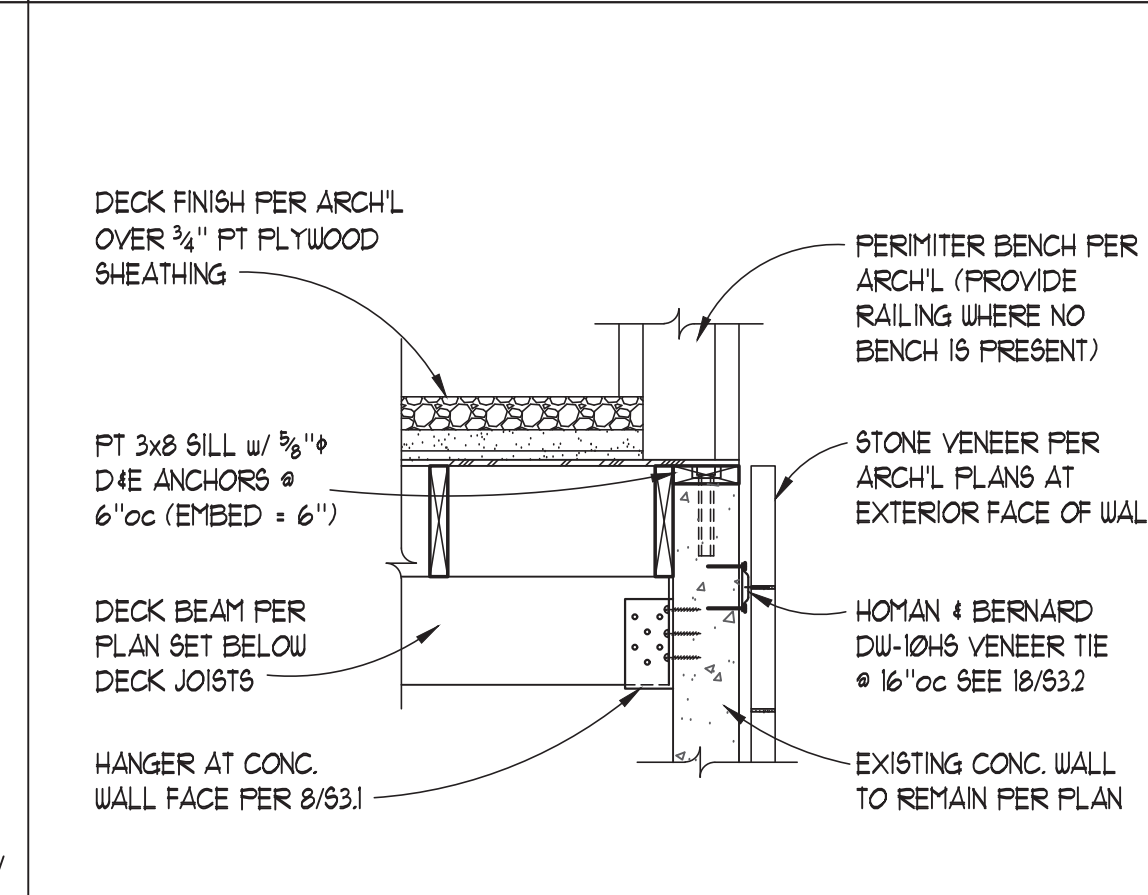
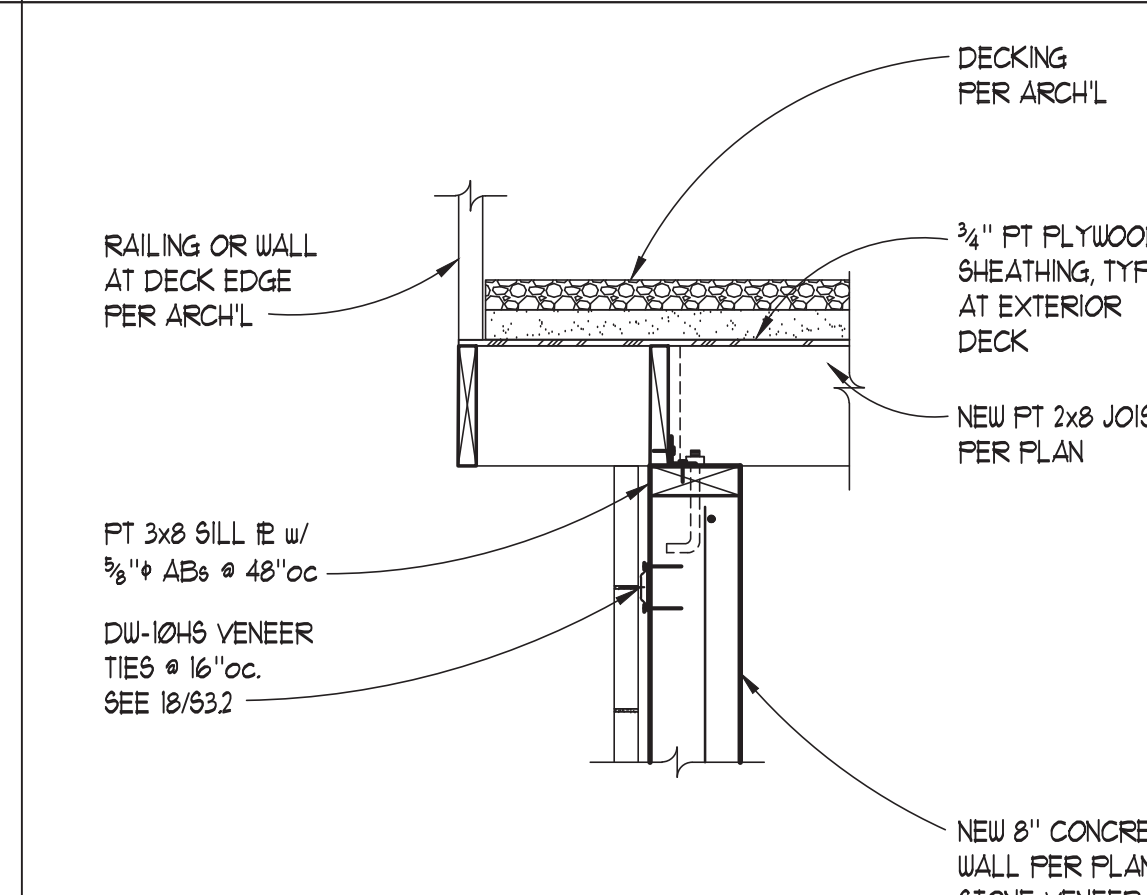
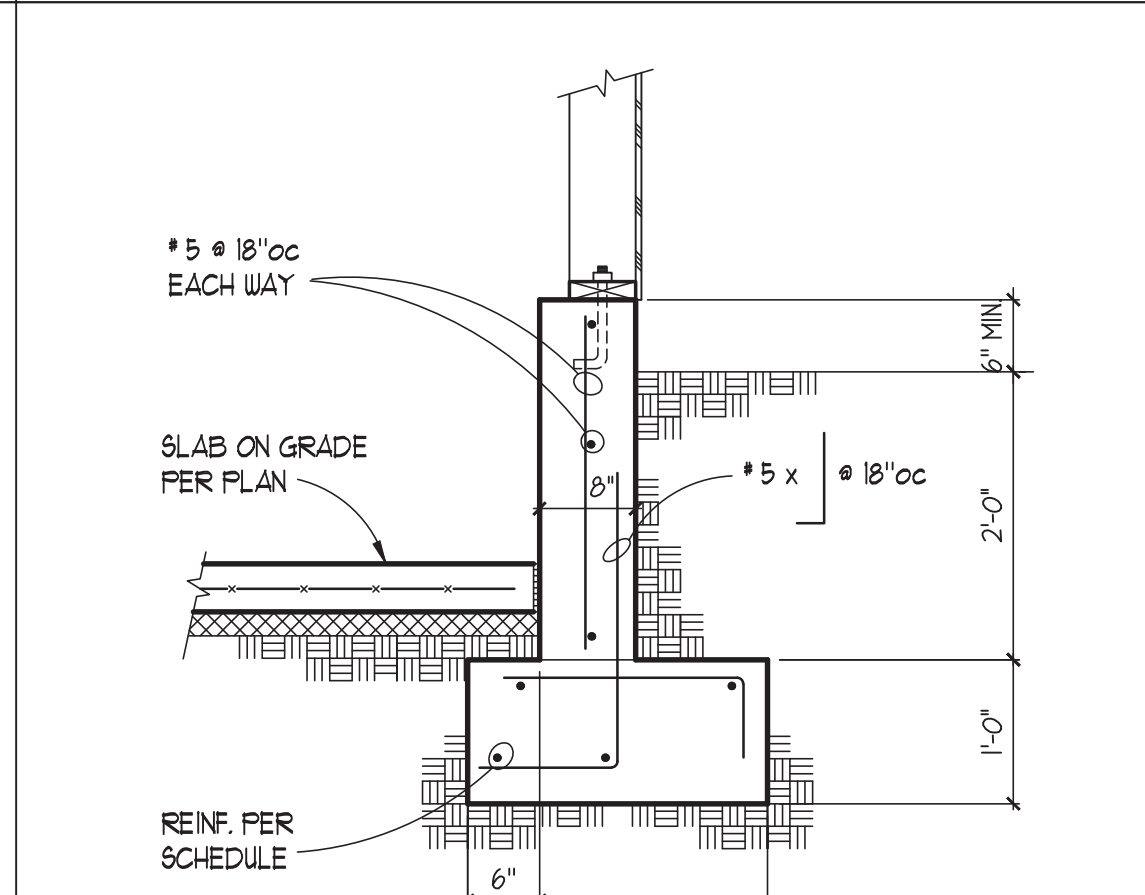
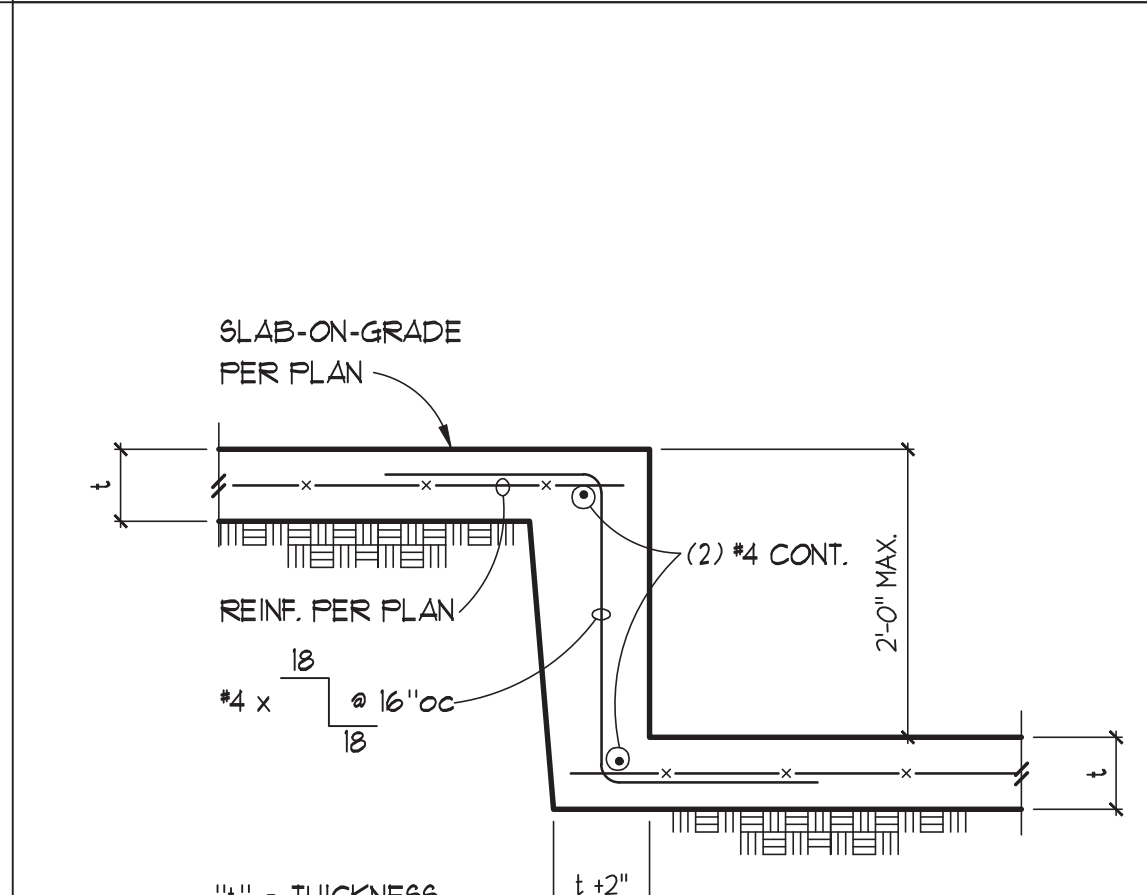
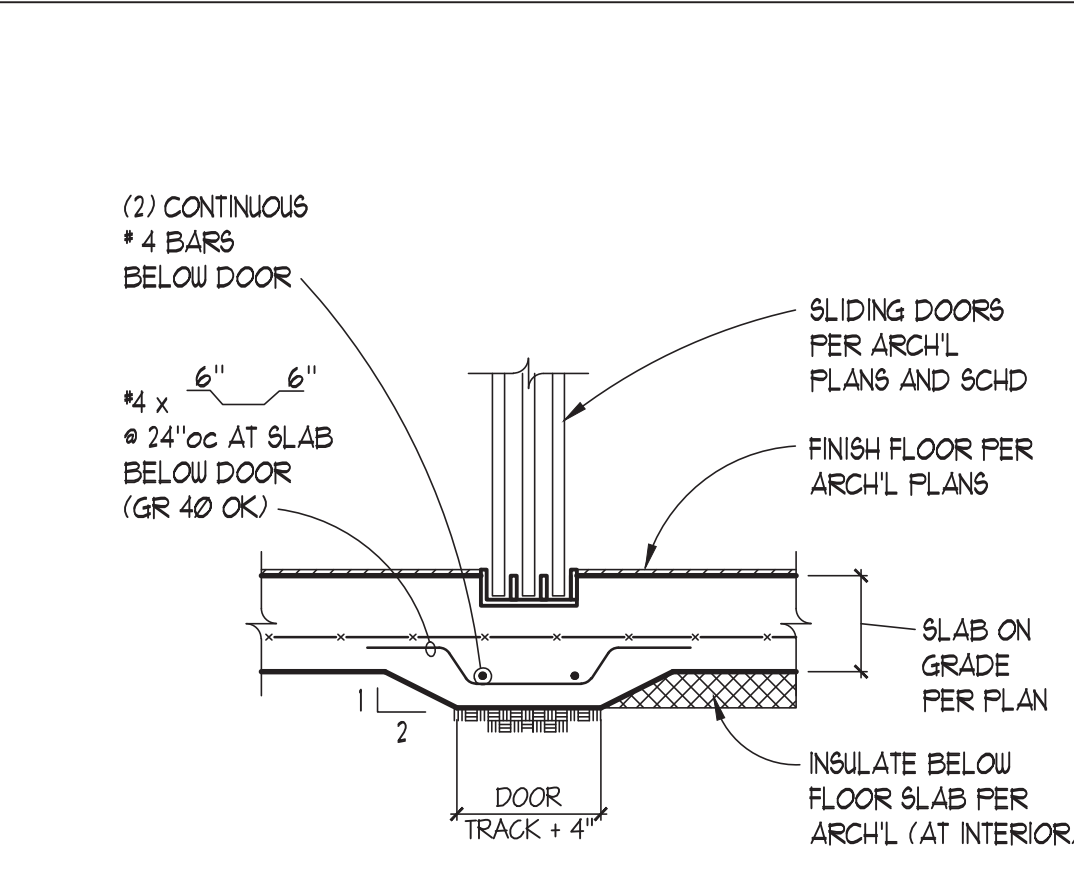
MARK	FOOTING SIZE	DEPTH	REINFORCING / NOTES
A	28" WIDE CONT. STRIP FTG.	12" DEEP	(3) # 5 CONT. BOTTOM NEW WALL FOOTING
B	36" WIDE CONT. STRIP FTG.	12" DEEP	(3) # 5 CONT. BOTTOM NEW ENTRY FINN WALL
C	24" WIDE CONT. STRIP FTG.	12" DEEP	(3) # 5 CONT. BOTTOM NEW EXT. WALL FOOTING
D	36" WIDE CONT. STRIP FTG.	14" DEEP	(4) # 5 CONT. BOTTOM NEW CMU WALL FOOTING
E	EXISTING FOUNDATIONS	12" DEEP	EXISTING FINDS TO REMAIN IN PLACE UON.
F	54" x 54" PAD FTG.	14" DEEP	(4) # 6 BARS EA. WAY BOTTOM
G	30" x 30" PAD FOOTING	10" DEEP	(3) # 4 BARS EA. WAY BOTTOM
H	16" WIDE CONT. STRIP FTG.	10" DEEP	(3) # 4 CONT. BOTTOM INTERIOR SLAB FTG.
J	30" x 30" PAD FOOTING	10" DEEP	(3) # 4 BARS EA. WAY BOTTOM

SHORT CONC. WALL SECTION 17

INTERIOR WALL FOOTING SECTION 18

TYPICAL STEEL COLUMN FOUNDATION SECTION 19

FOUNDATION SCHEDULE 20



THICKENED SLAB BELOW SLIDING DOOR 21

STEP IN SLAB ELEVATION 22

TYPICAL 2' RETAINING WALL FOR CHANGE IN GRADE 23

CANTILEVERED DECK OVER NEW FOUND. WALL 24

DECK EDGE AT EXISTING WALL 25

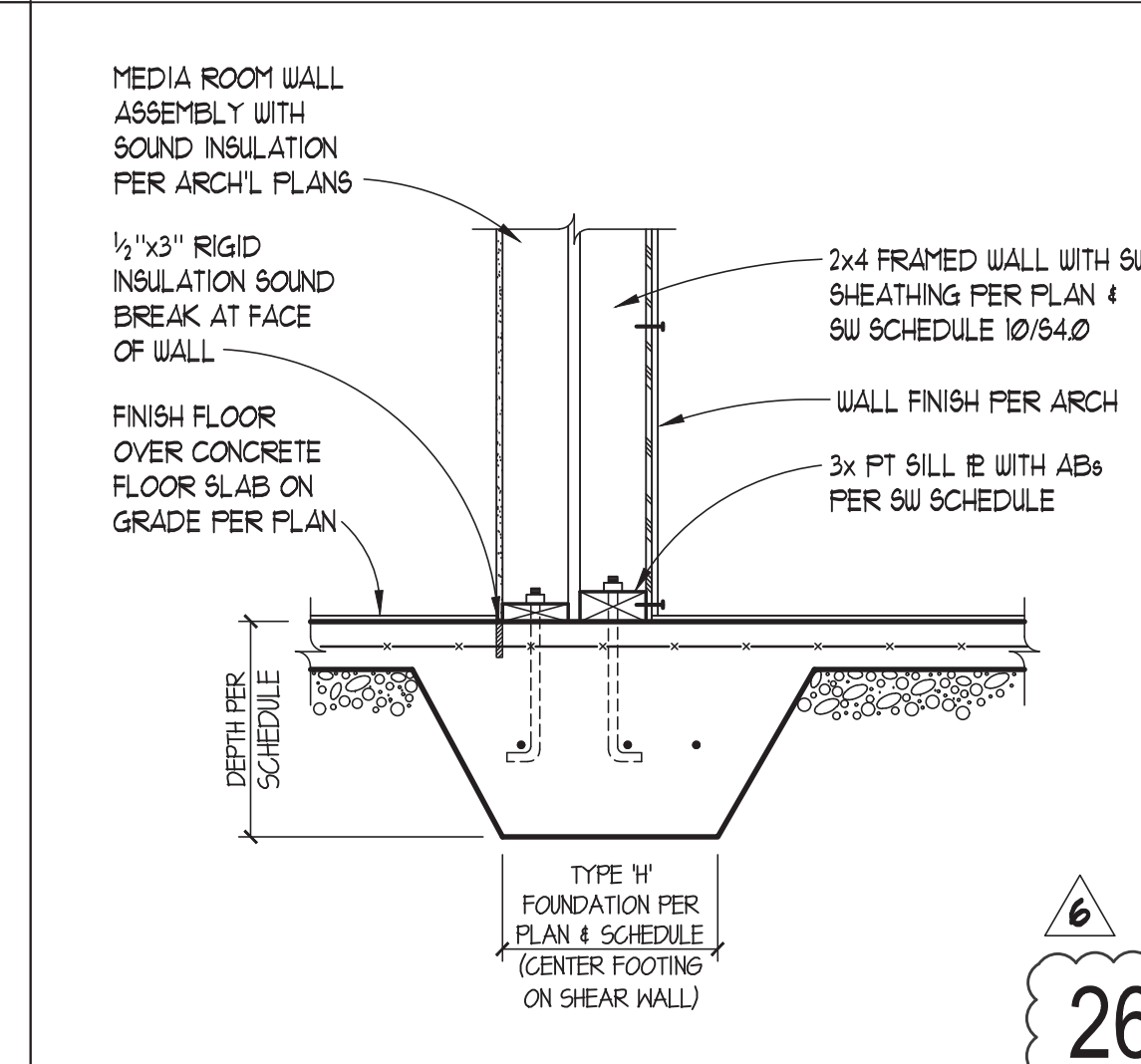
THICKENED SLAB BELOW SLIDING DOOR 21

STEP IN SLAB ELEVATION 22

TYPICAL 2' RETAINING WALL FOR CHANGE IN GRADE 23

CANTILEVERED DECK OVER NEW FOUND. WALL 24

DECK EDGE AT EXISTING WALL 25



THICKENED SLAB BELOW SLIDING DOOR 21

STEP IN SLAB ELEVATION 22

TYPICAL 2' RETAINING WALL FOR CHANGE IN GRADE 23

CANTILEVERED DECK OVER NEW FOUND. WALL 24

DECK EDGE AT EXISTING WALL 25

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MARK T. SHREVE
REGISTERED PROFESSIONAL ENGINEER
12/2021

LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

LL Gross Structural Engineers, LLC - Mountlake Terrace, Washington © 2020

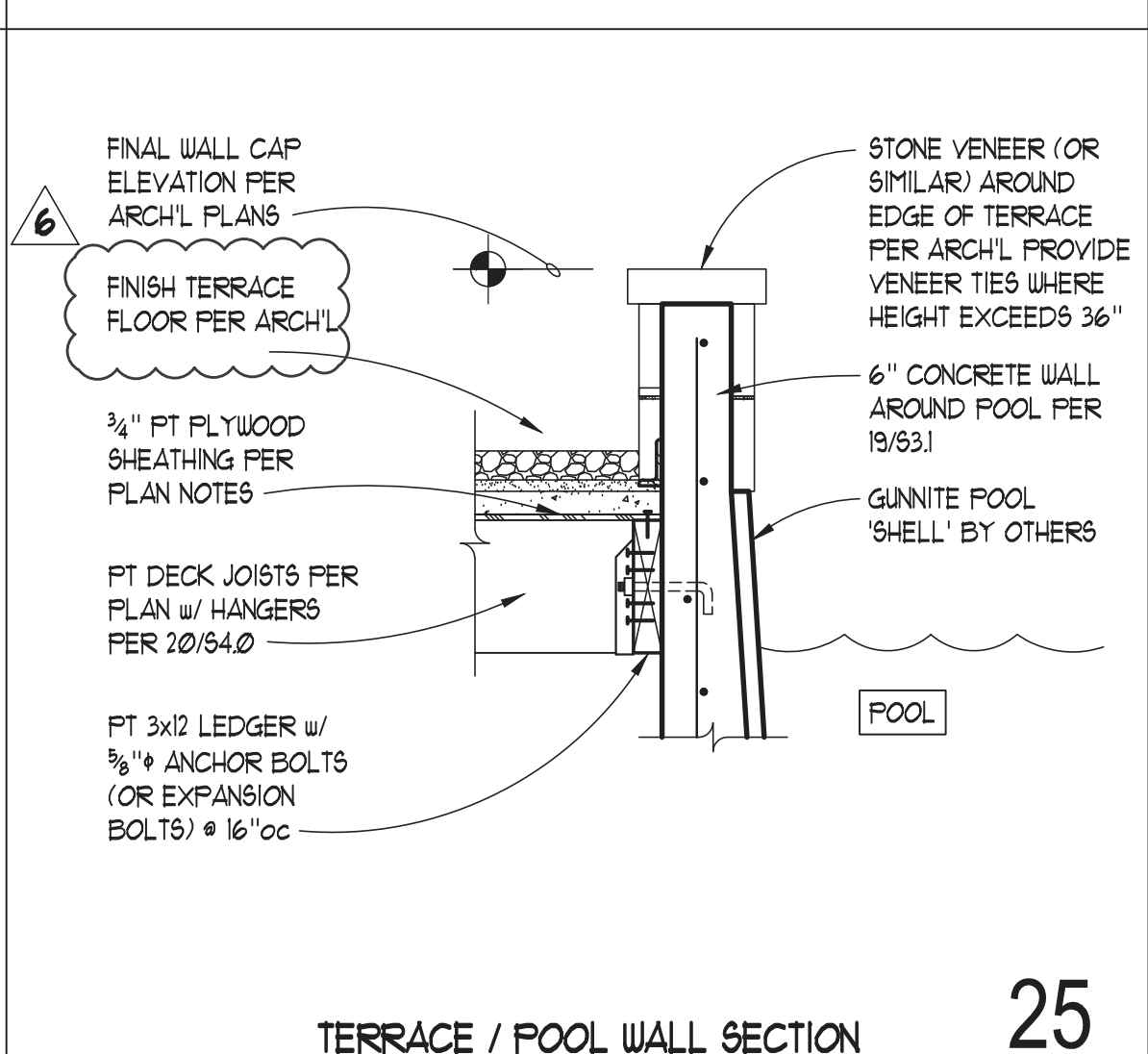
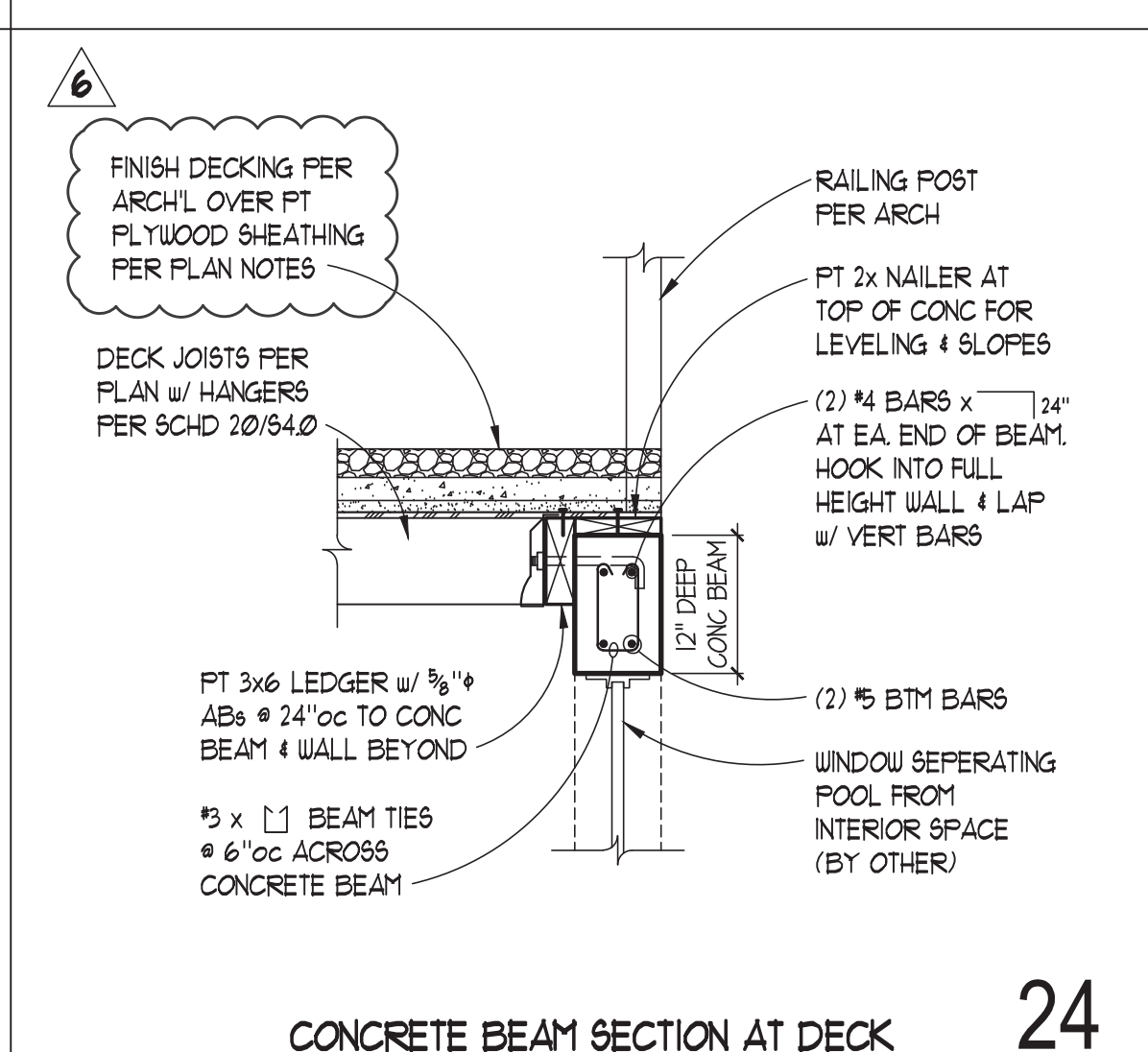
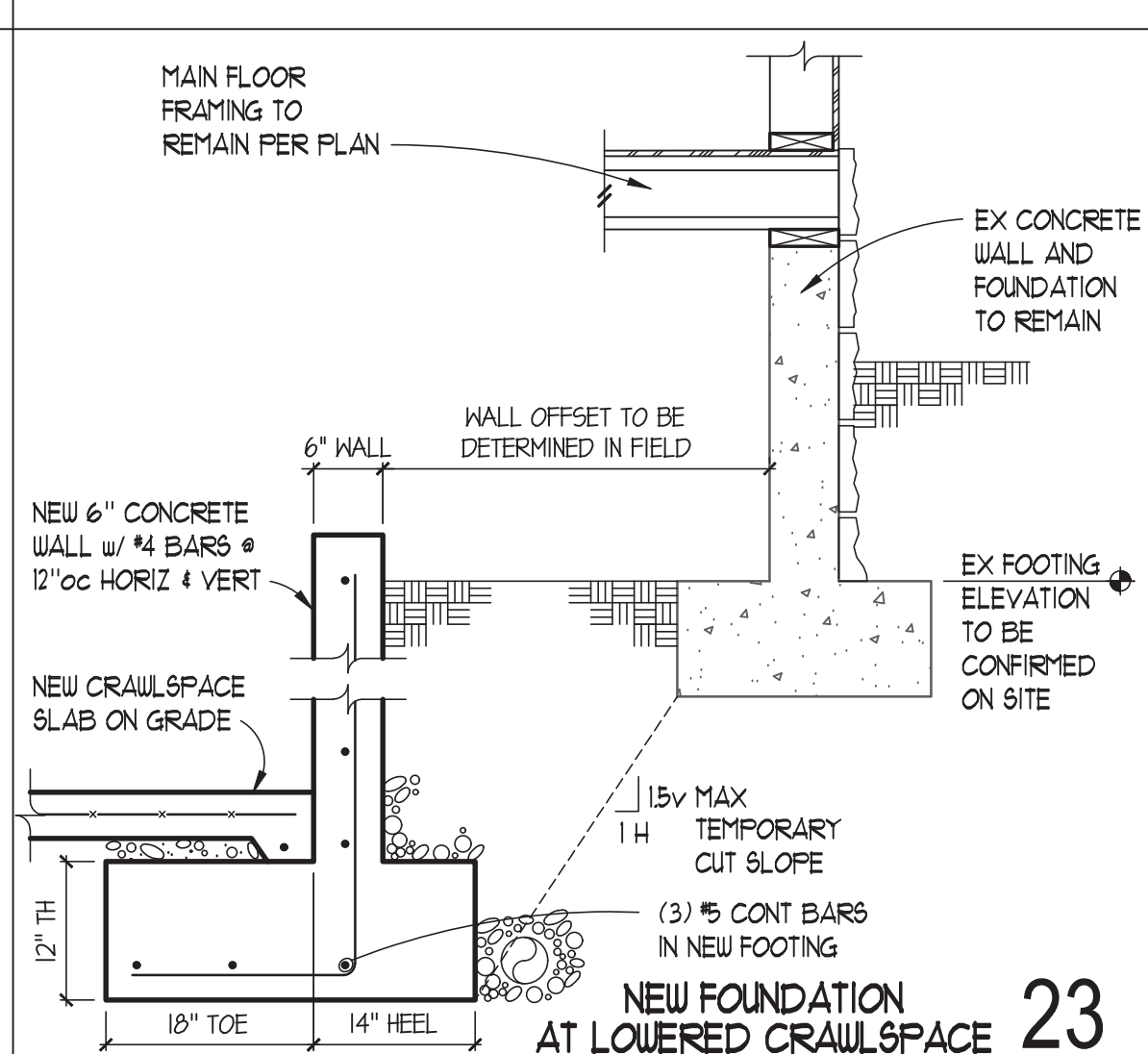
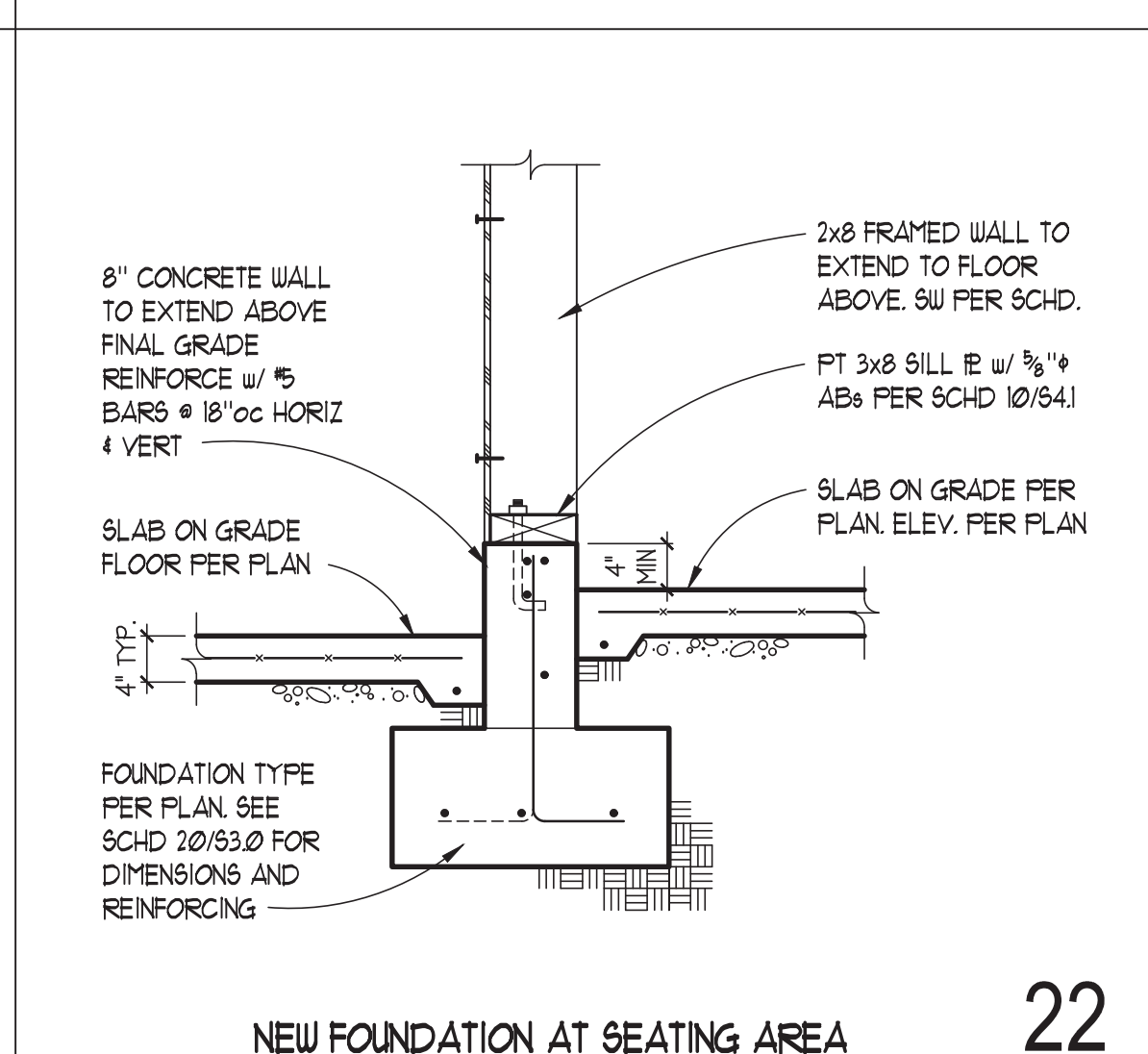
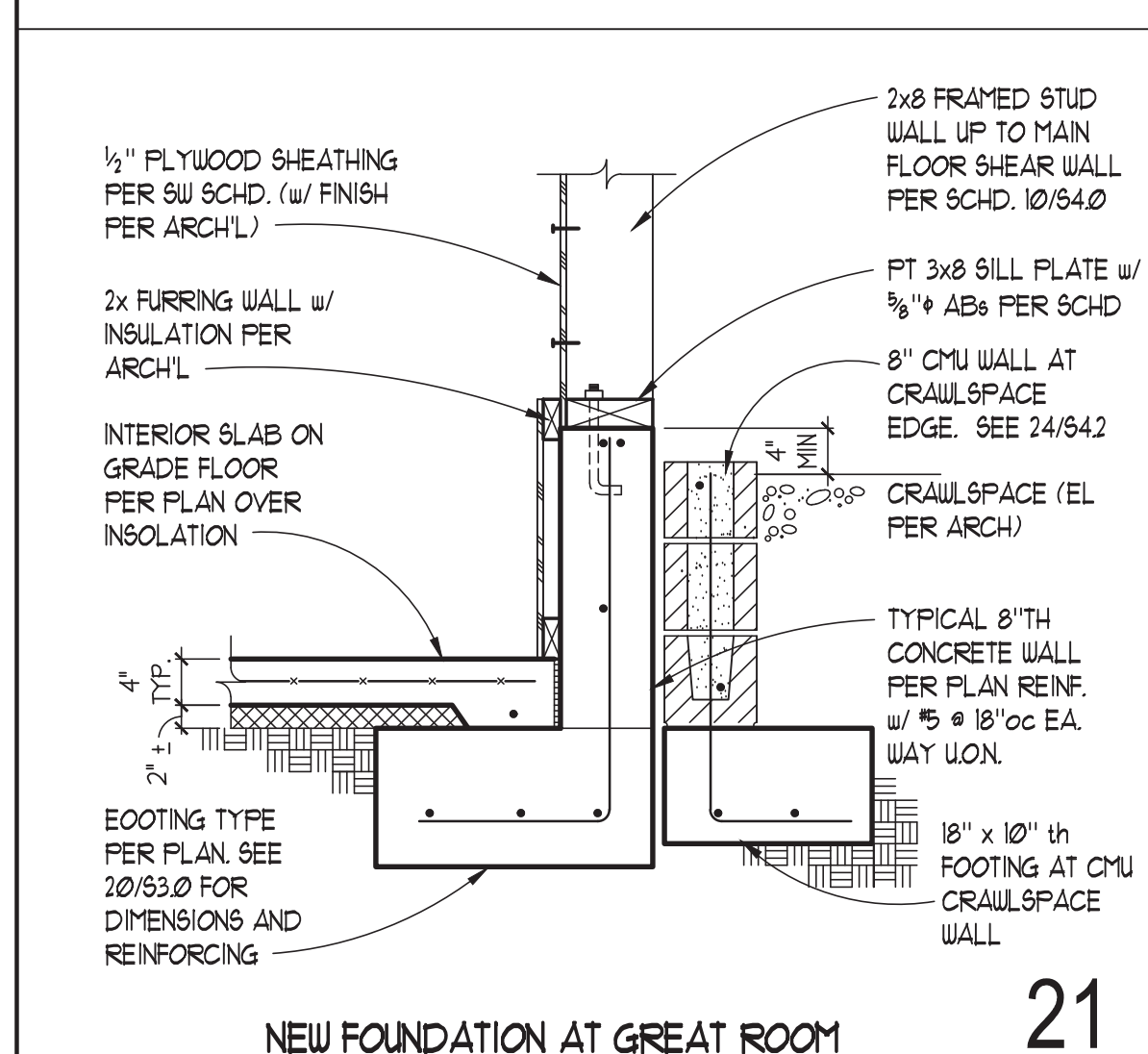
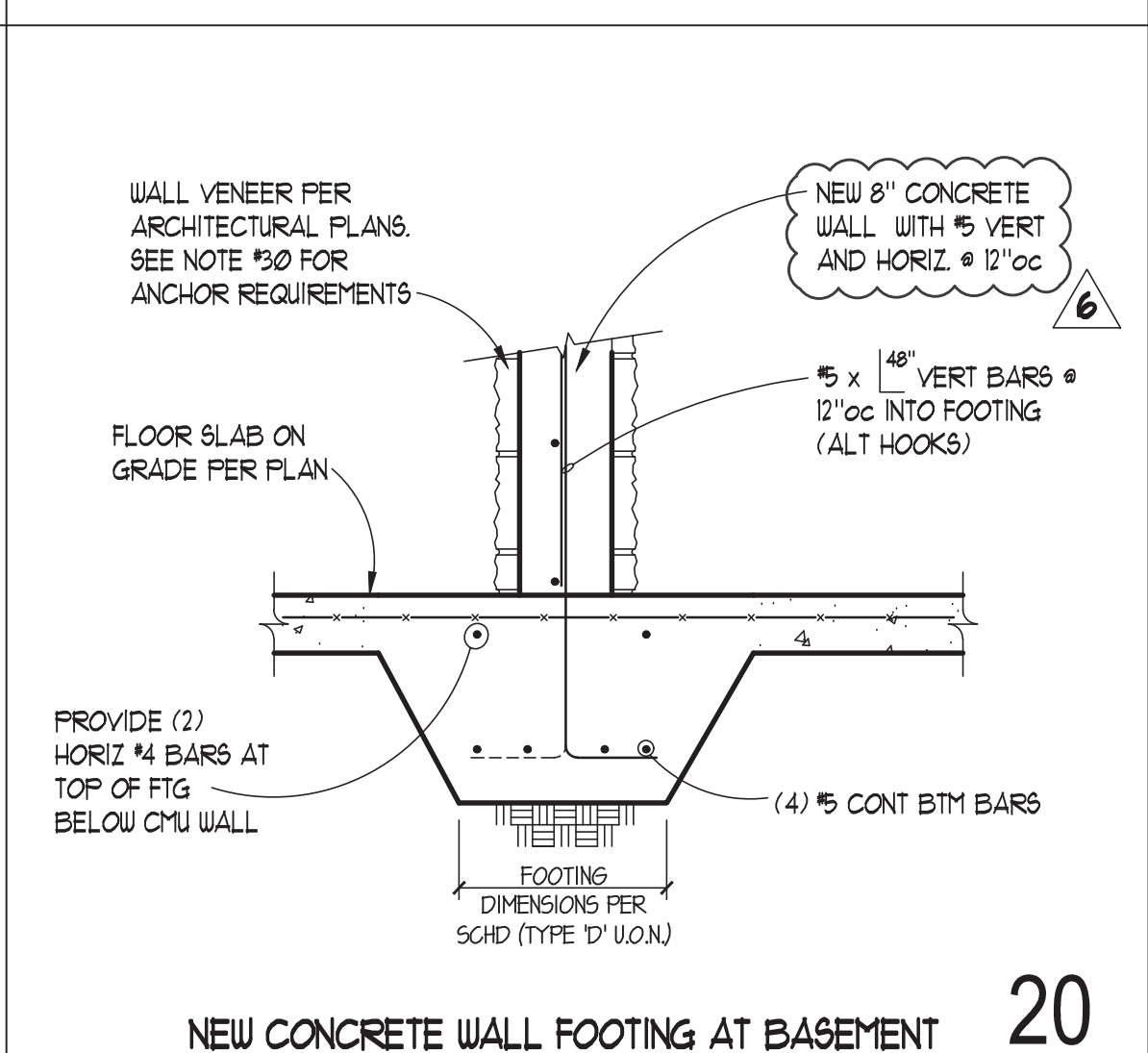
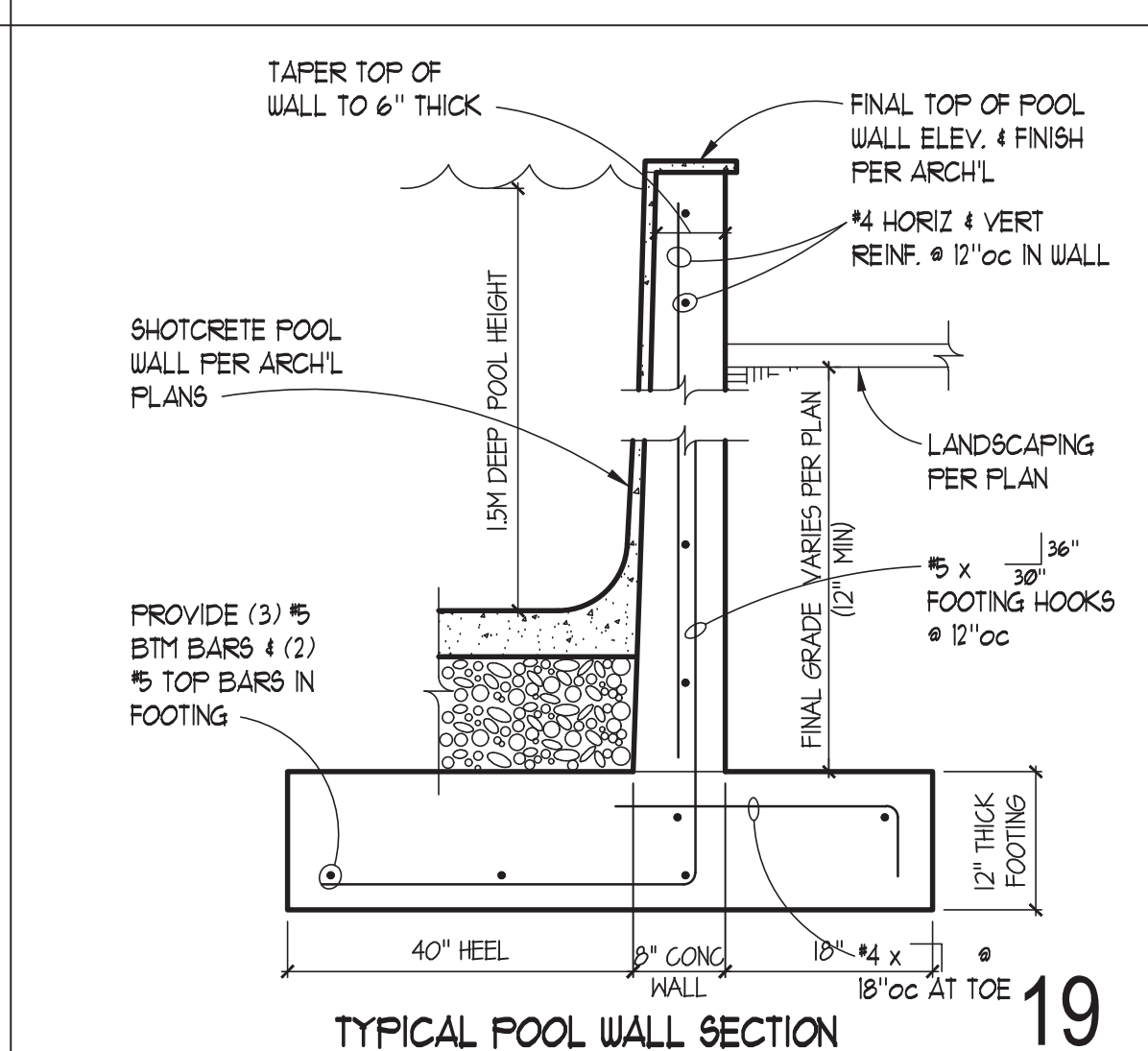
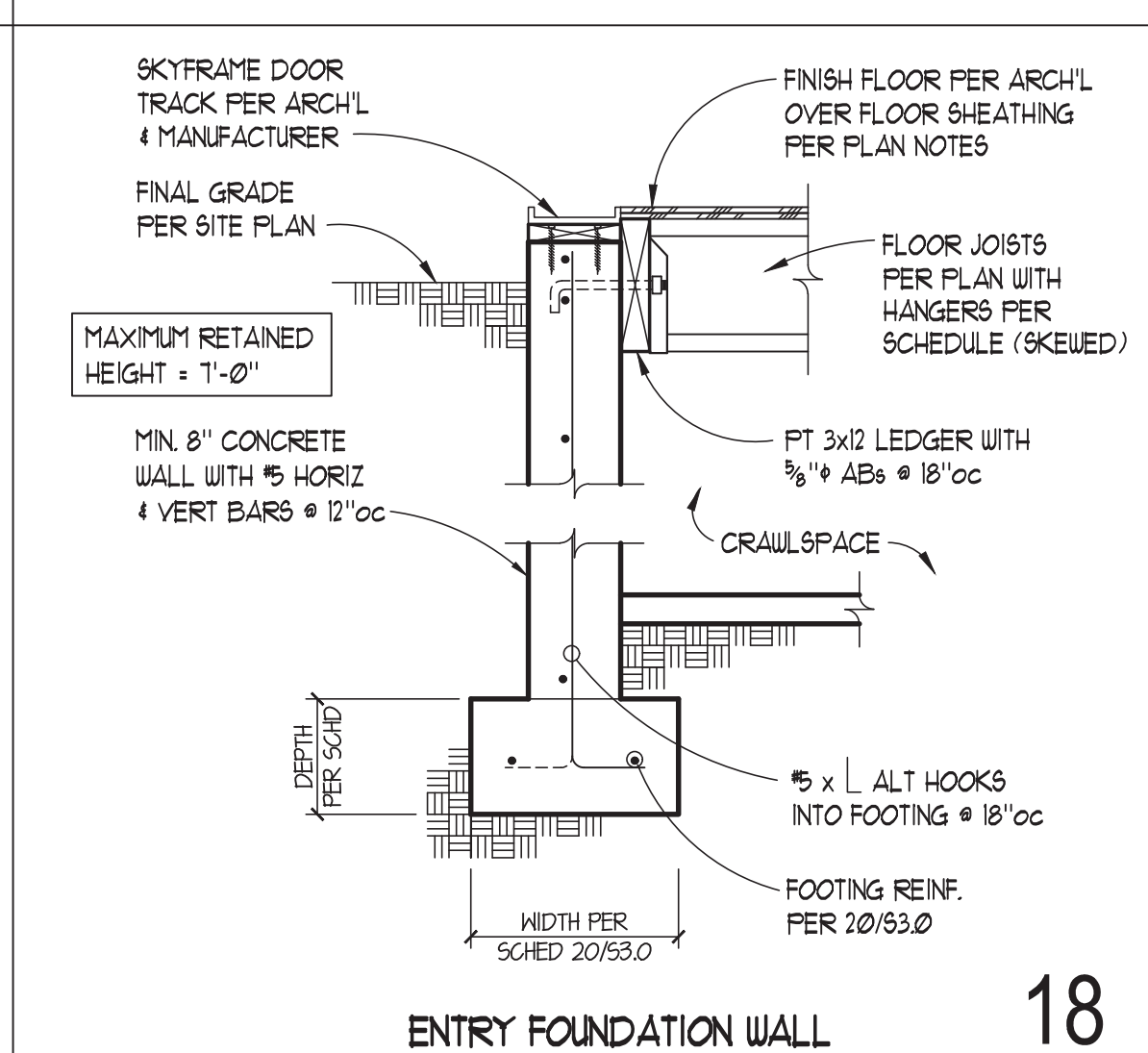
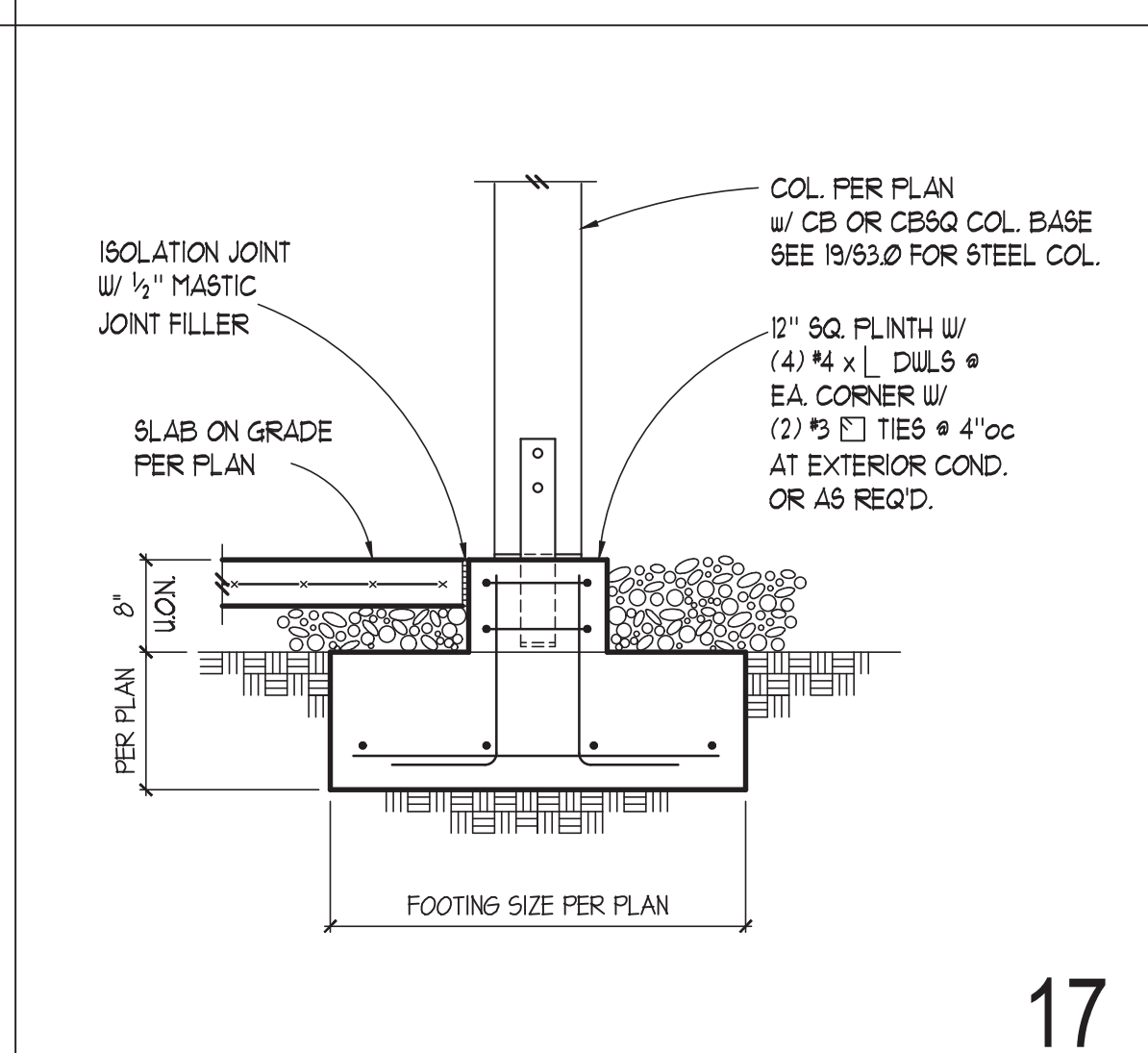
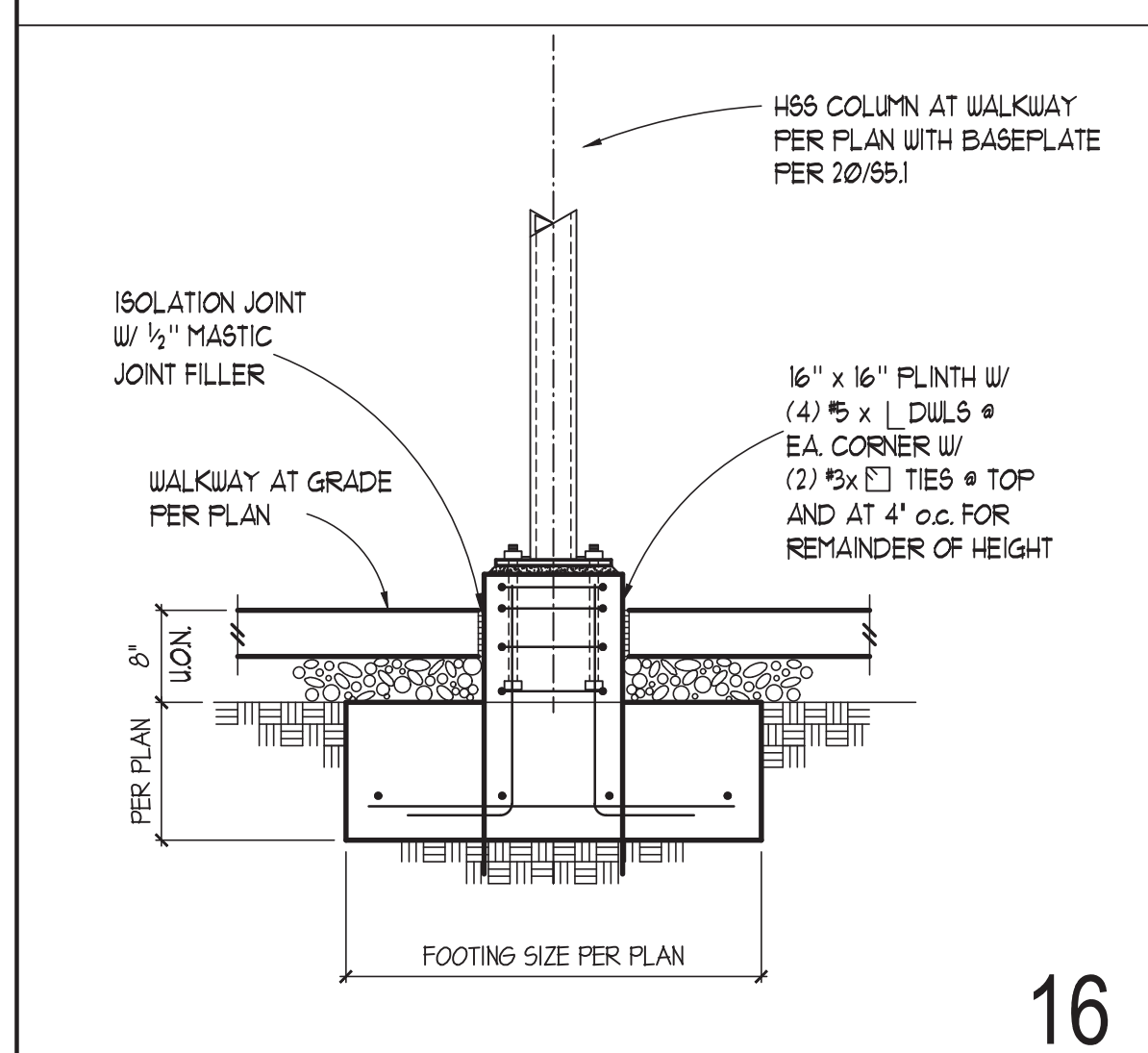
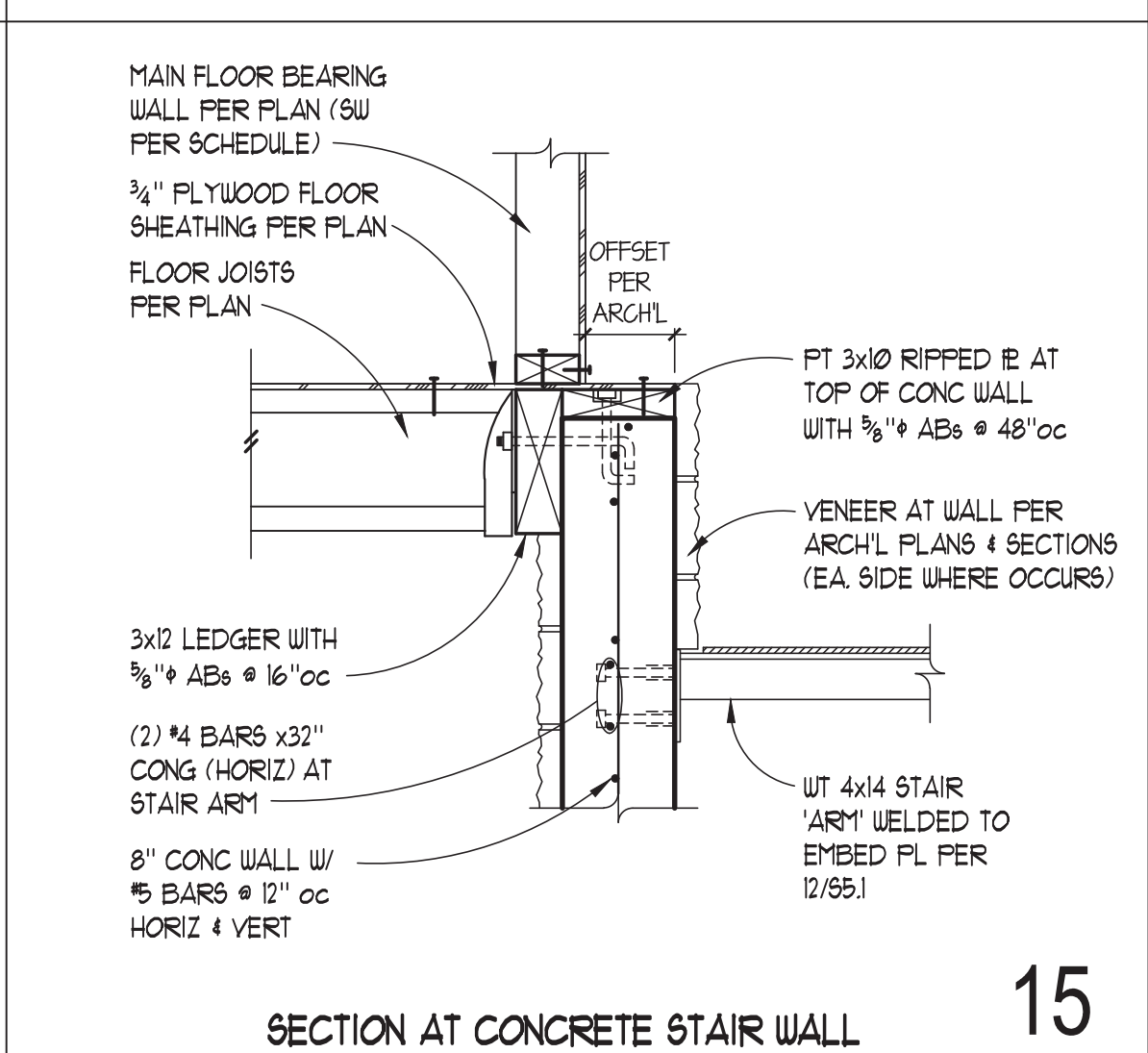
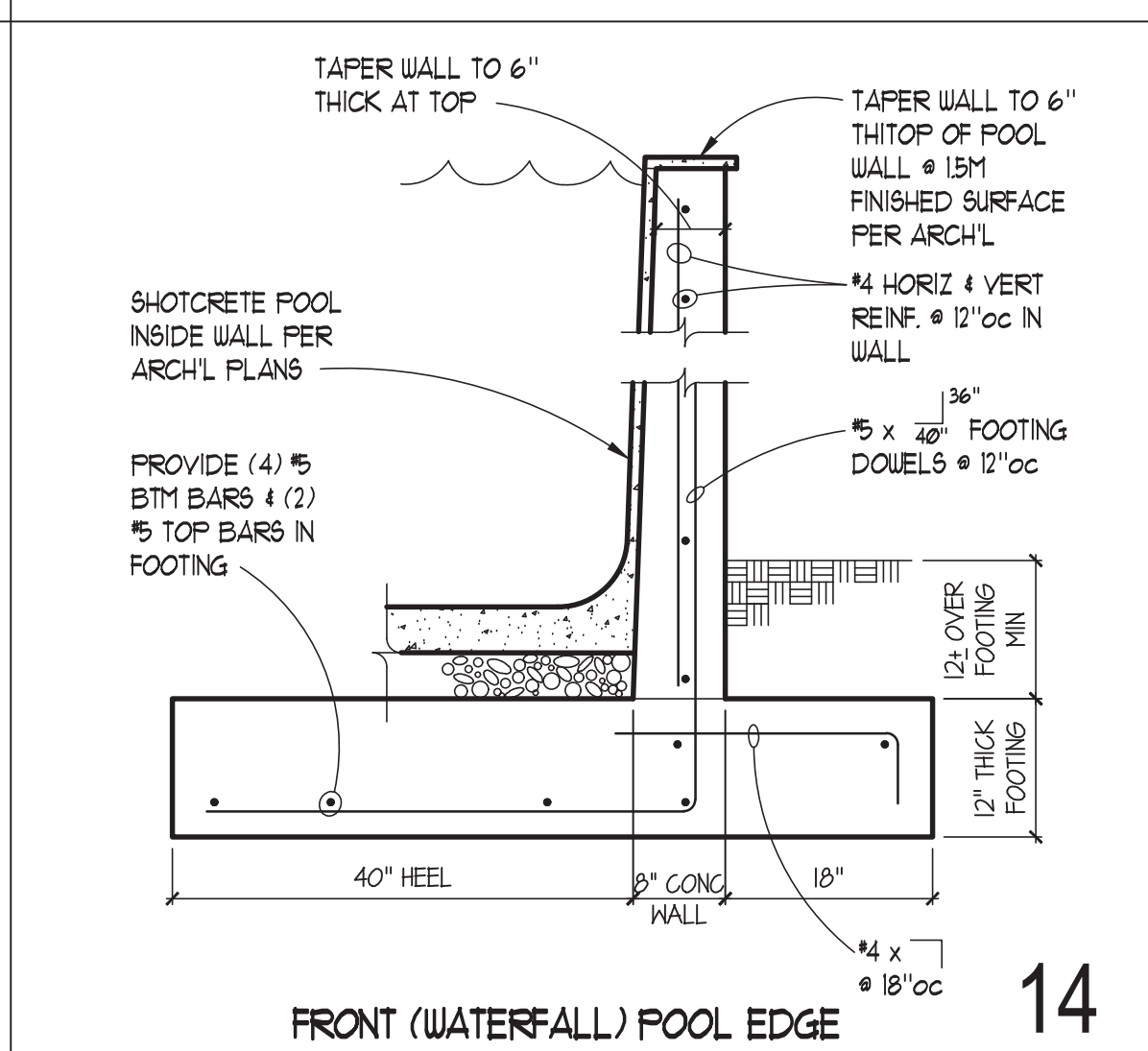
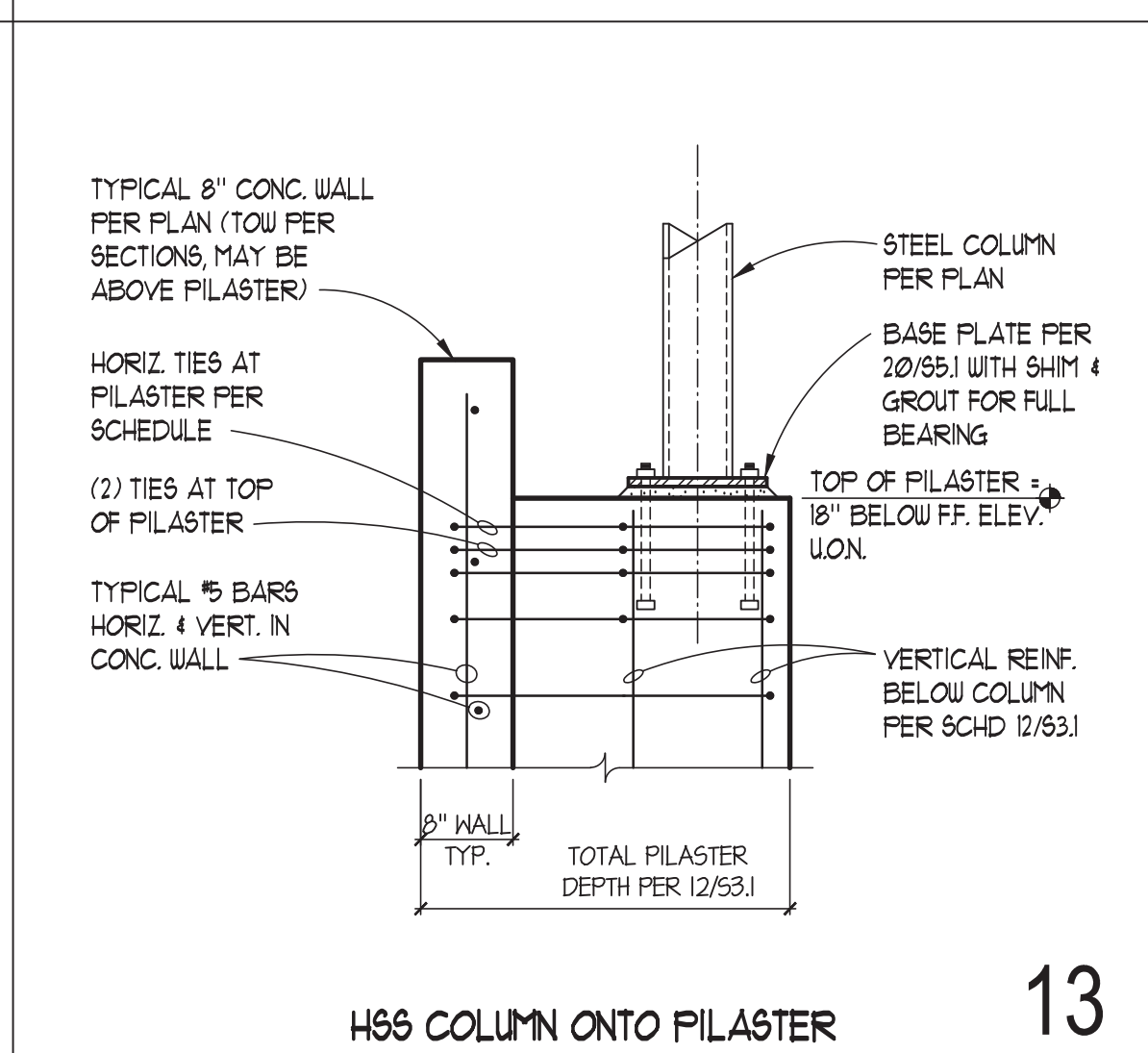
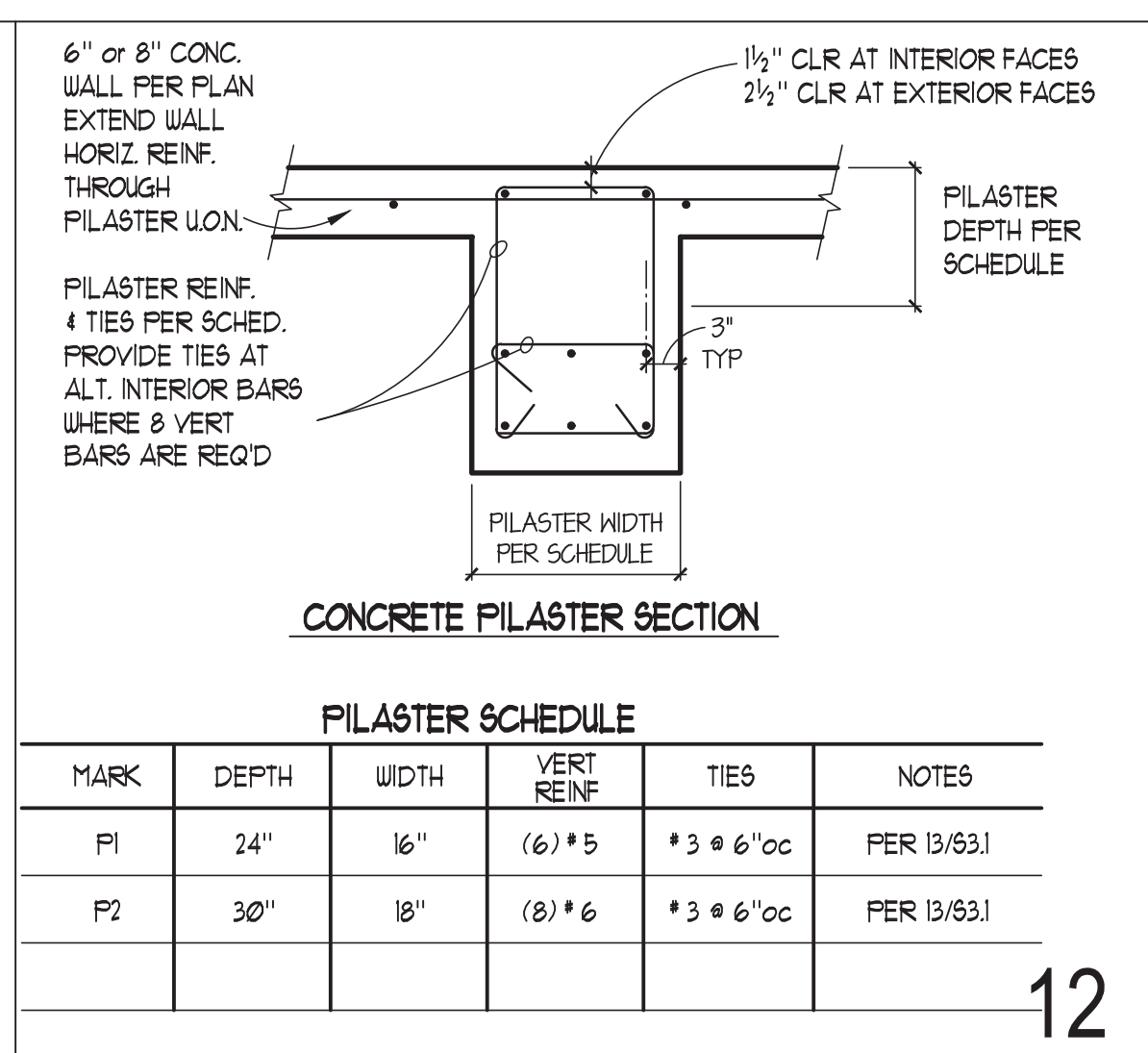
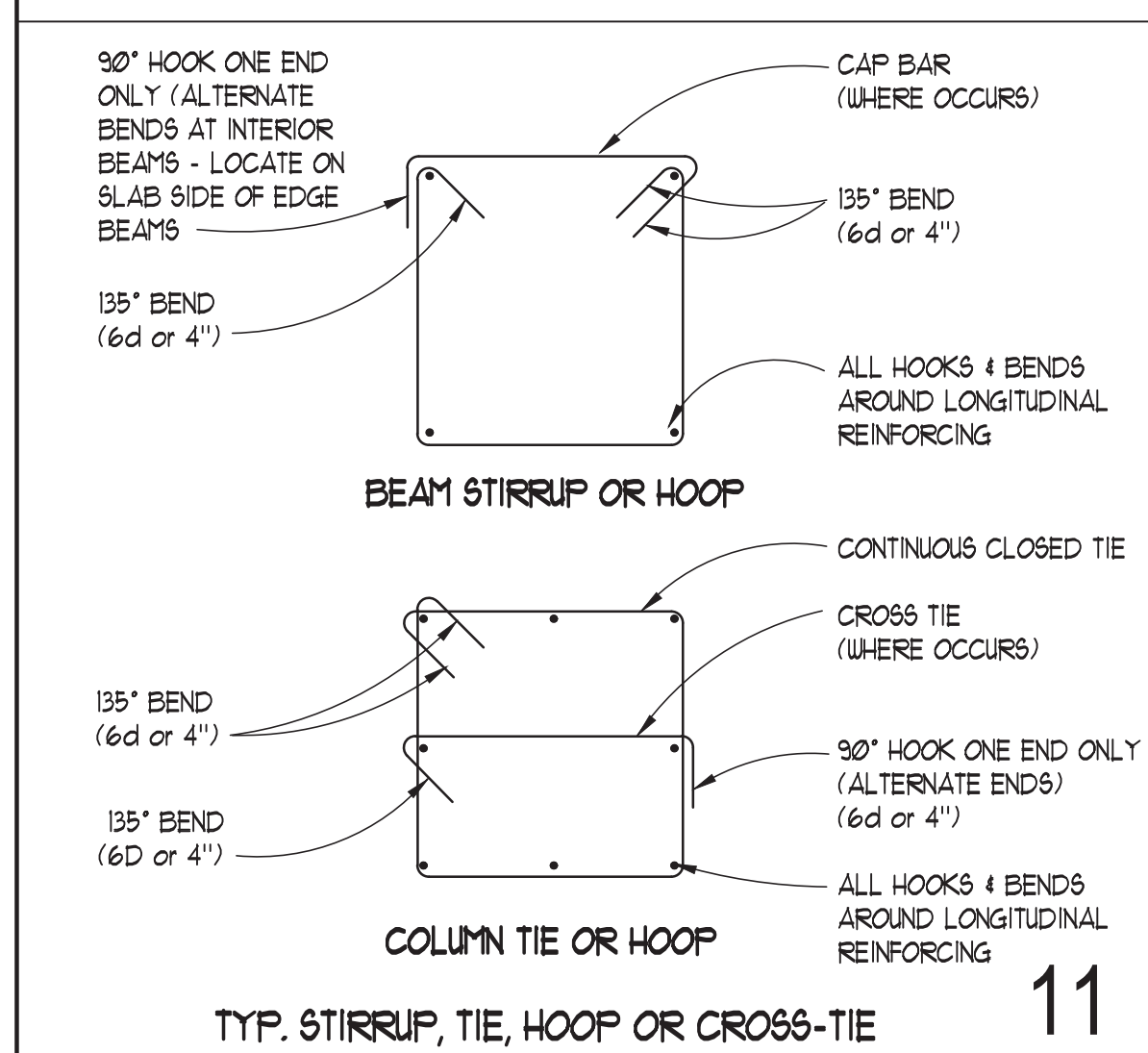
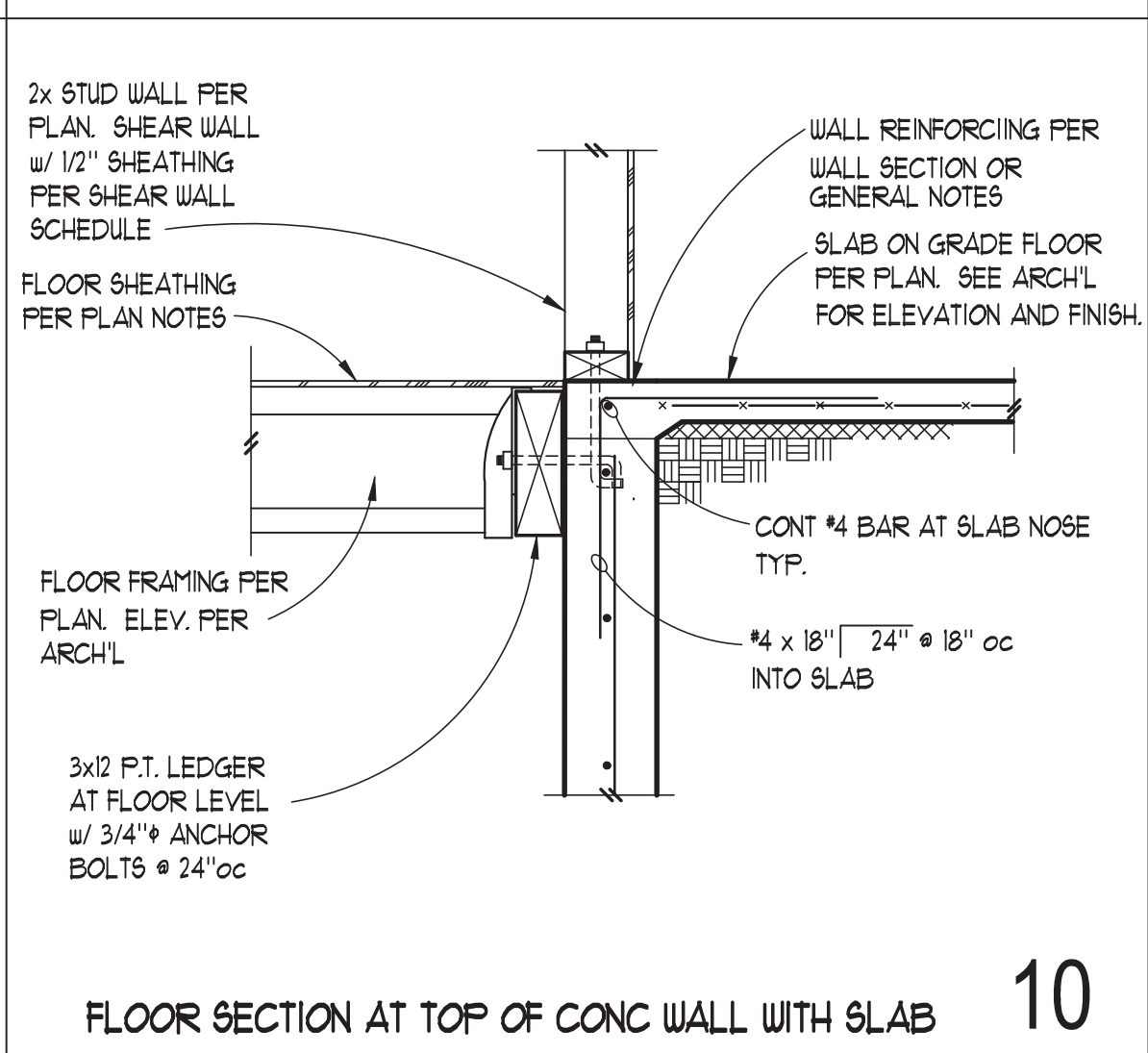
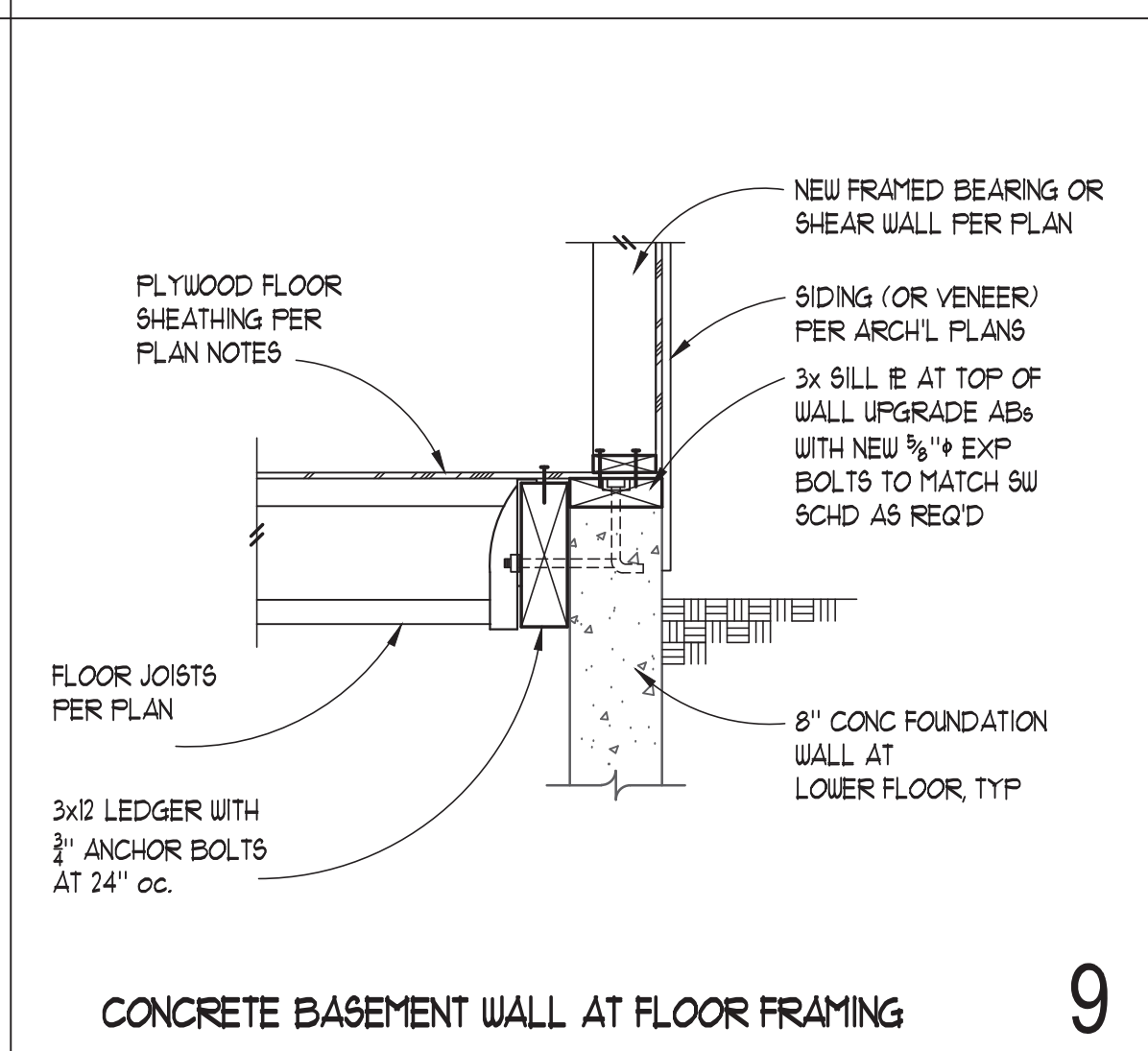
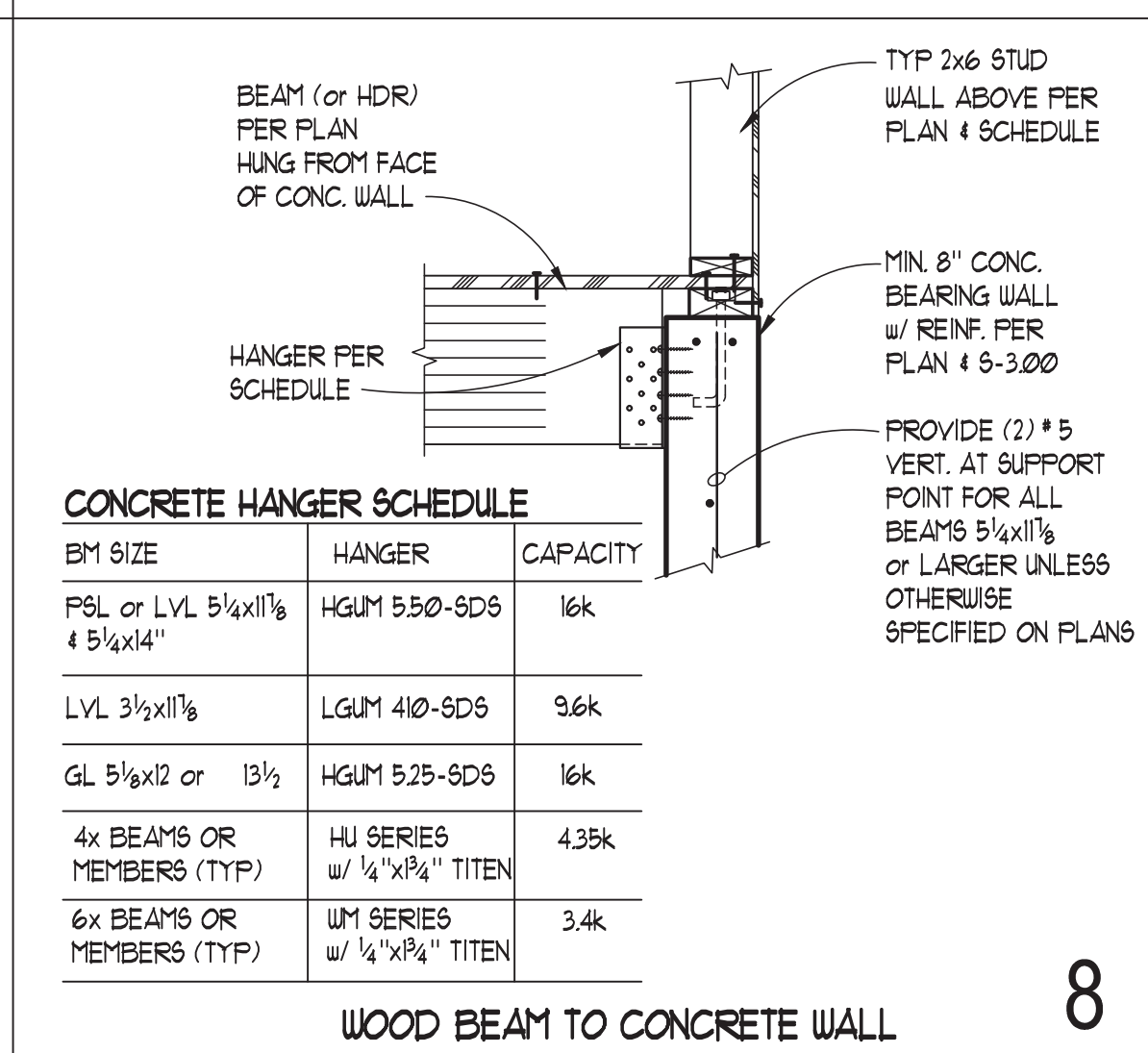
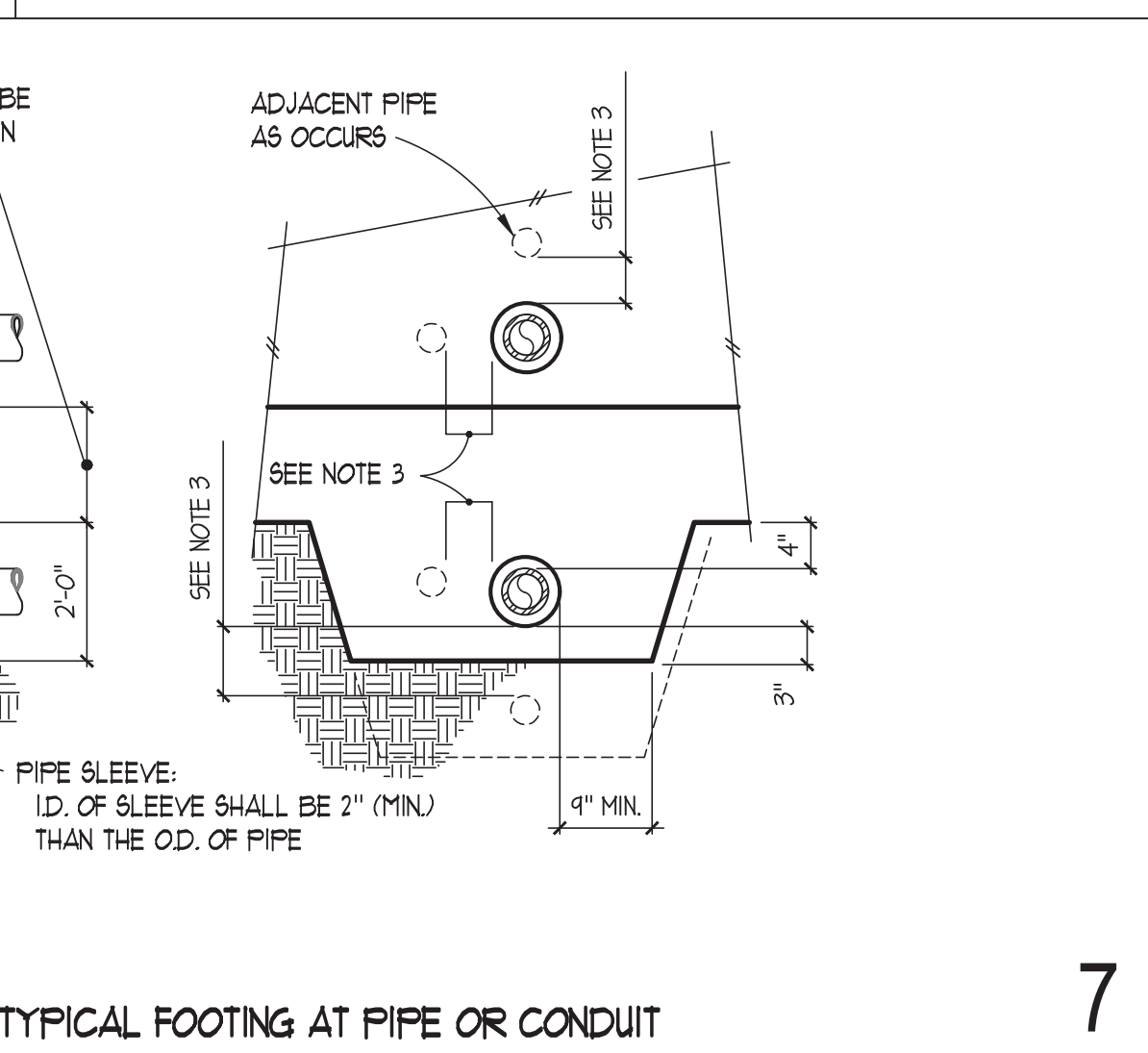
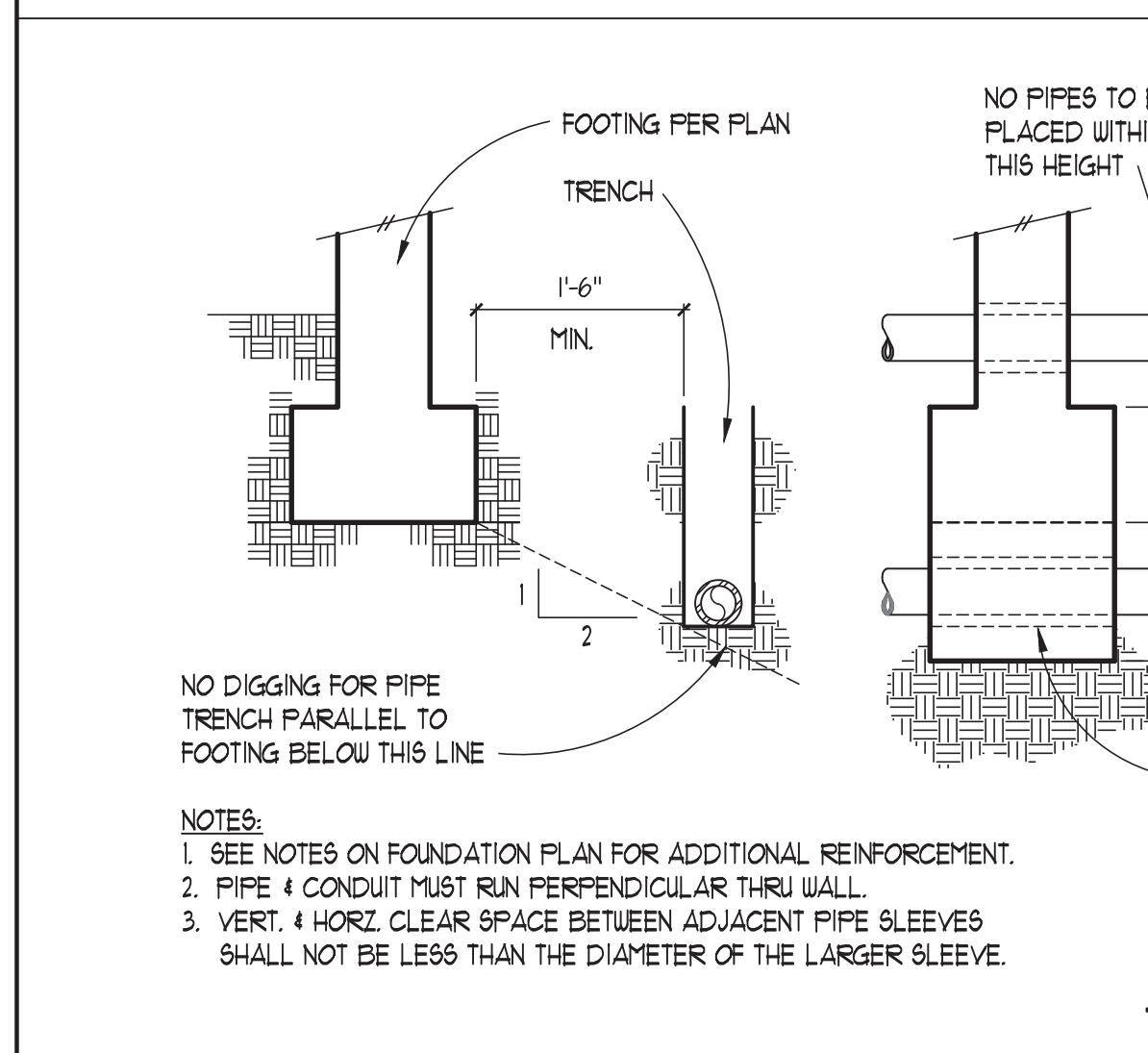
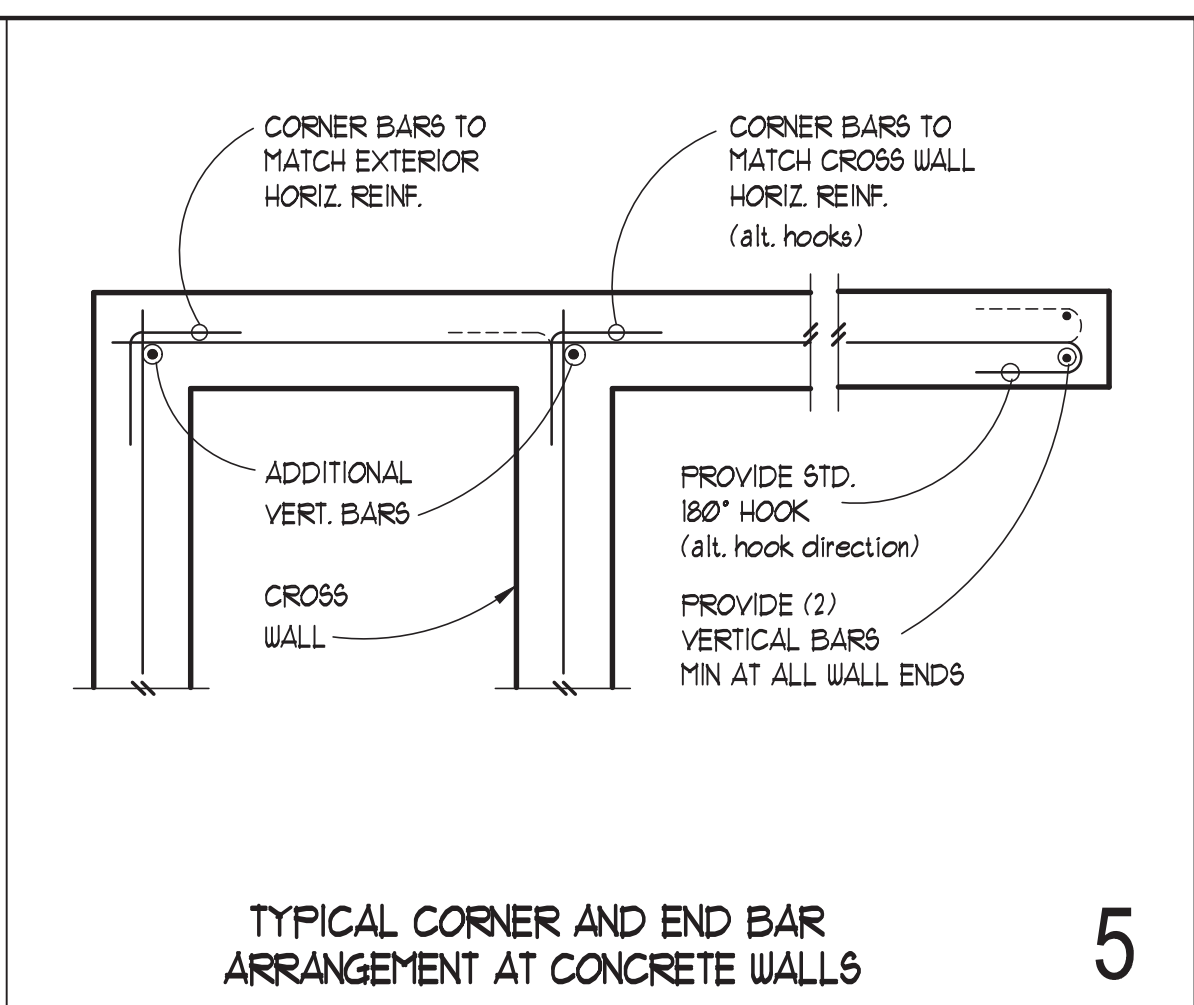
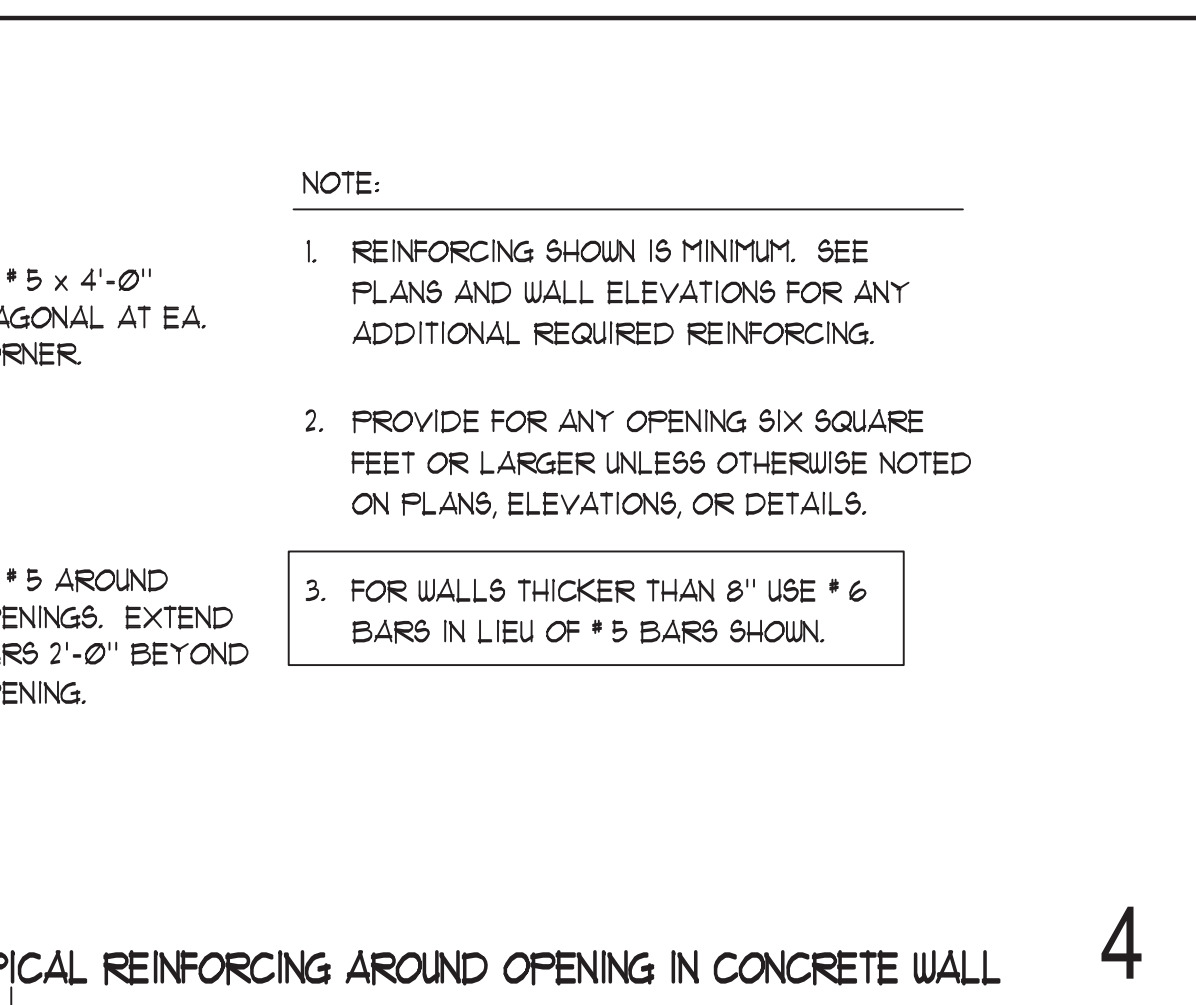
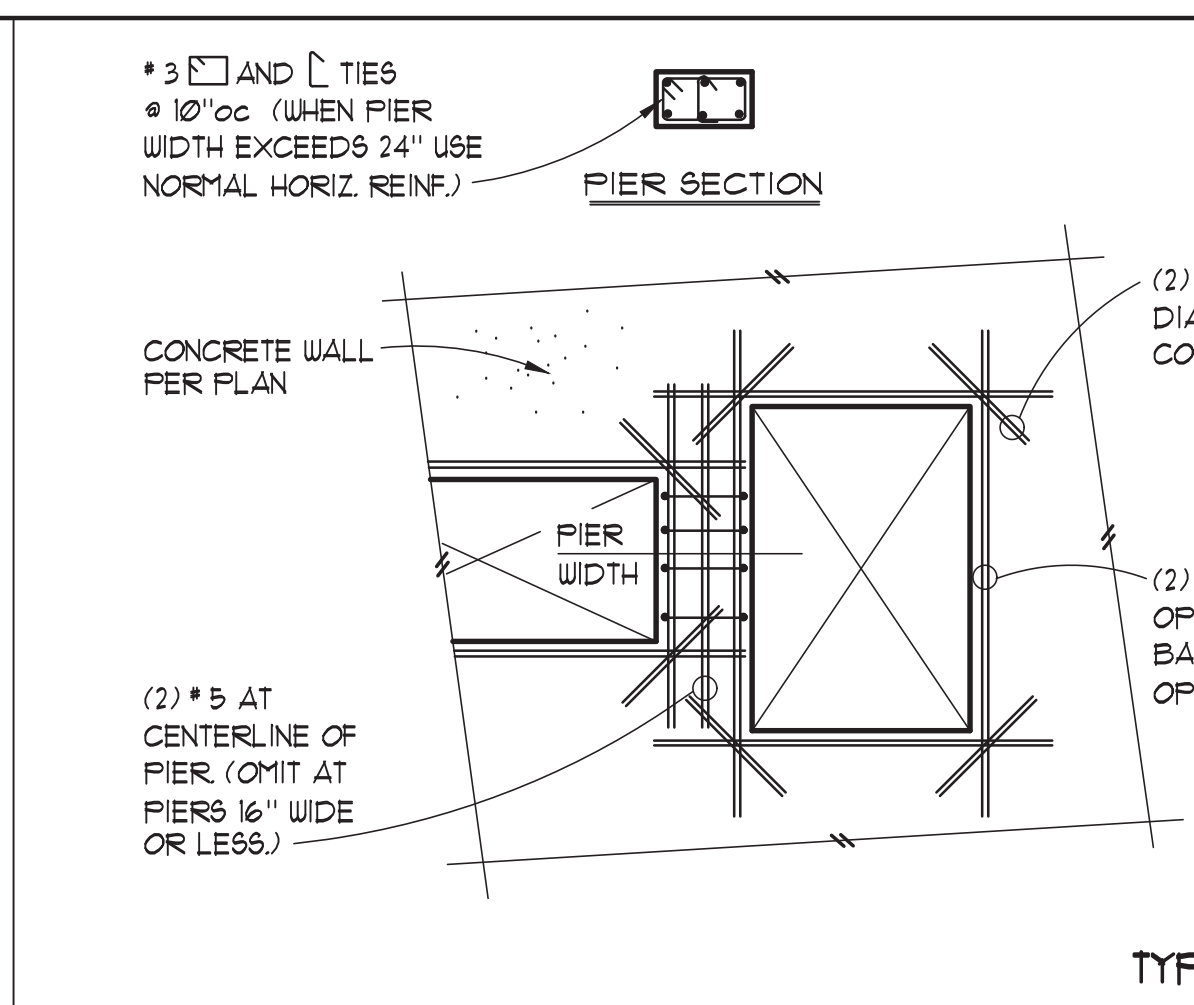
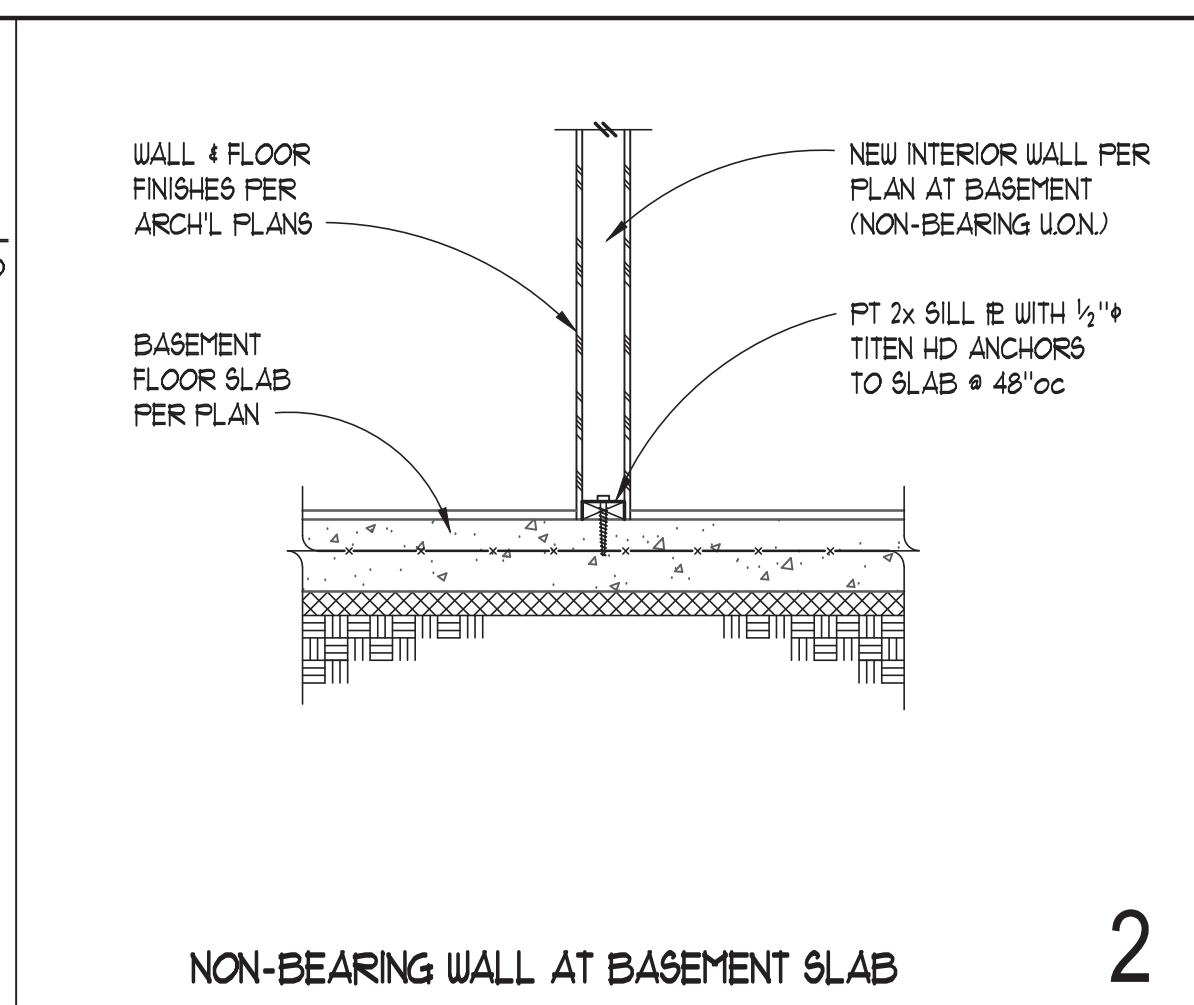
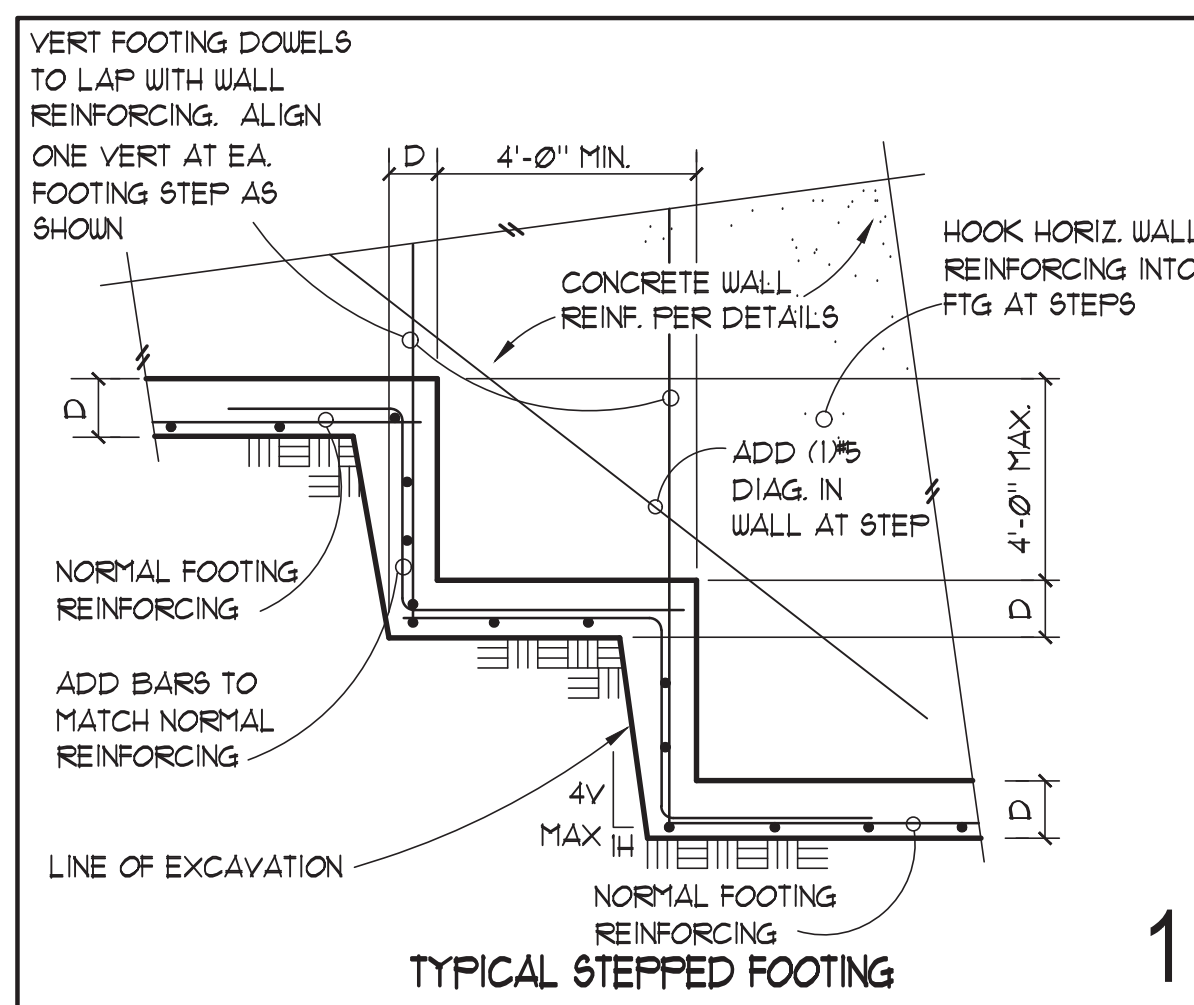
PROJECT NO.: 191998.1
E.O.R.: Mark Spidell
DESIGNED: MTS
DRAWN: KPH

ISSUE DATE
PERMIT SET 12-18-2020

REVISIONS DATE
PERMIT REV 06/03/21
PERMIT REV 07/05/21
PERMIT REV 07/23/21
PERMIT REV 08/03/21
M.T. PERMIT REV 08/20/21
CD SET REV 12/10/21

SHEET NO.
S3.0

REVIEW



CONCRETE HANGER SCHEDULE

BM SIZE	HANGER	CAPACITY
PER LVL 5/8x11/8 or 5/8x14	H&M 550-SD5	16k
LVL 3 1/2x11/8	L&M 410-SD5	9.6k
GL 5/8x12 or 13 1/2	H&M 525-SD5	16k
4x BEAMS OR MEMBERS (TYP)	HU SERIES w/ 1/2\"/>	
6x BEAMS OR MEMBERS (TYP)	UM SERIES w/ 1/2\"/>	

PILASTER SCHEDULE

MARK	DEPTH	WIDTH	VERT REINF	TIES	NOTES
P1	24"	16"	(6) #5	#3 @ 6" OC	PER 13/531
P2	30"	18"	(8) #6	#3 @ 6" OC	PER 13/531

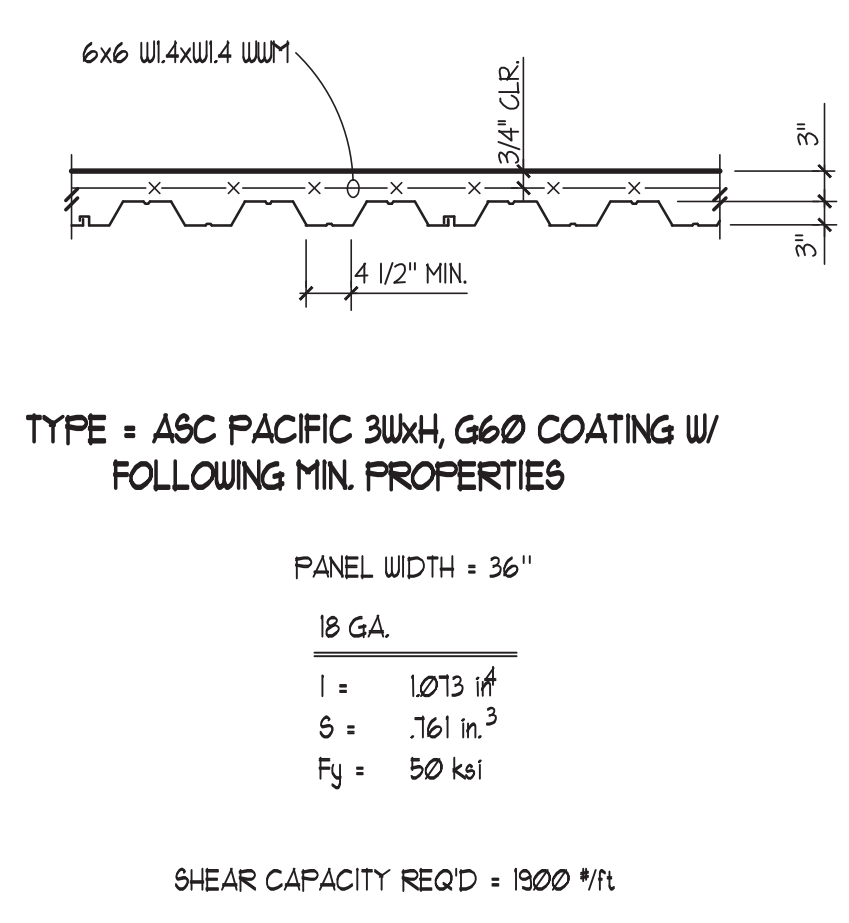


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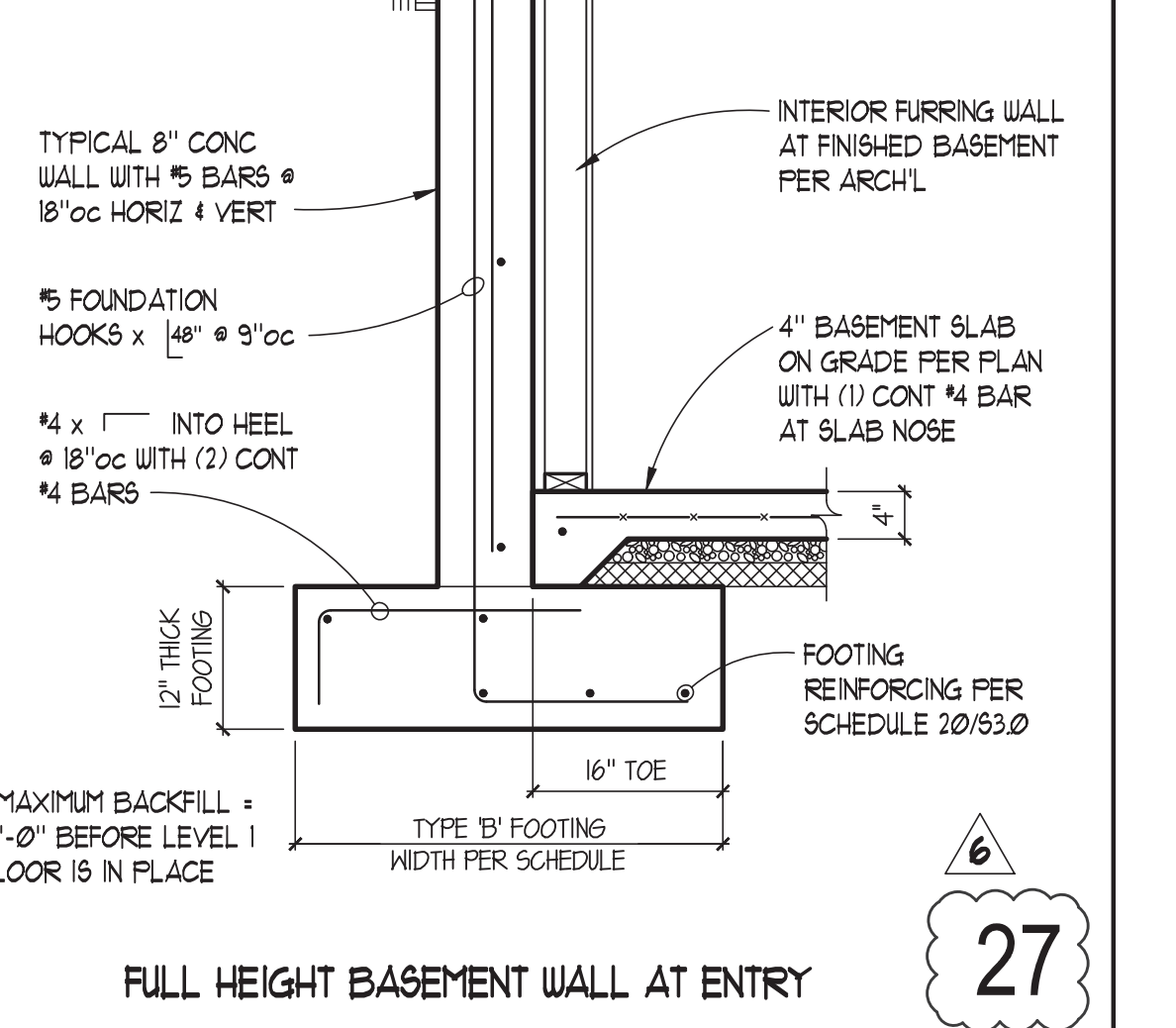
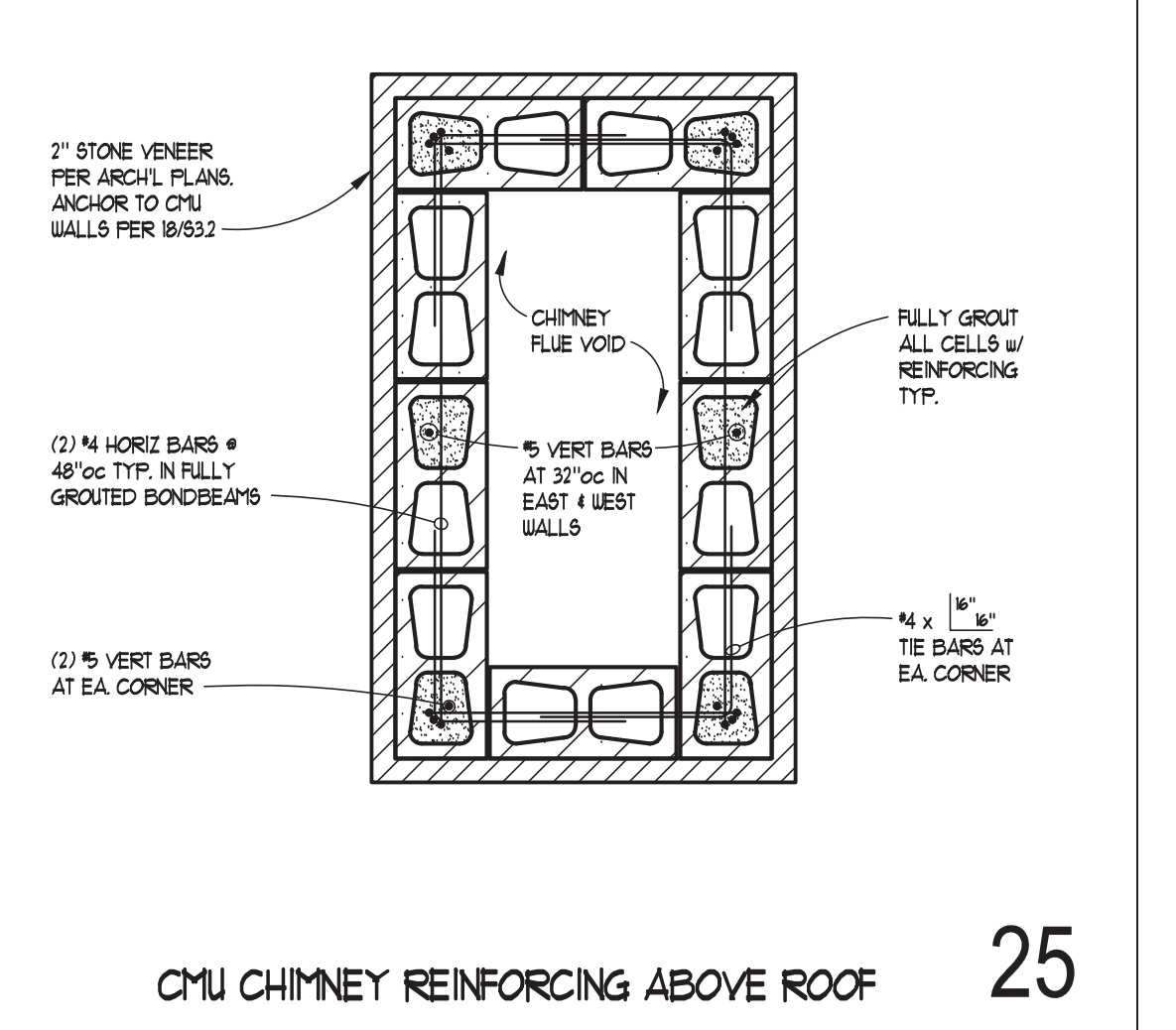
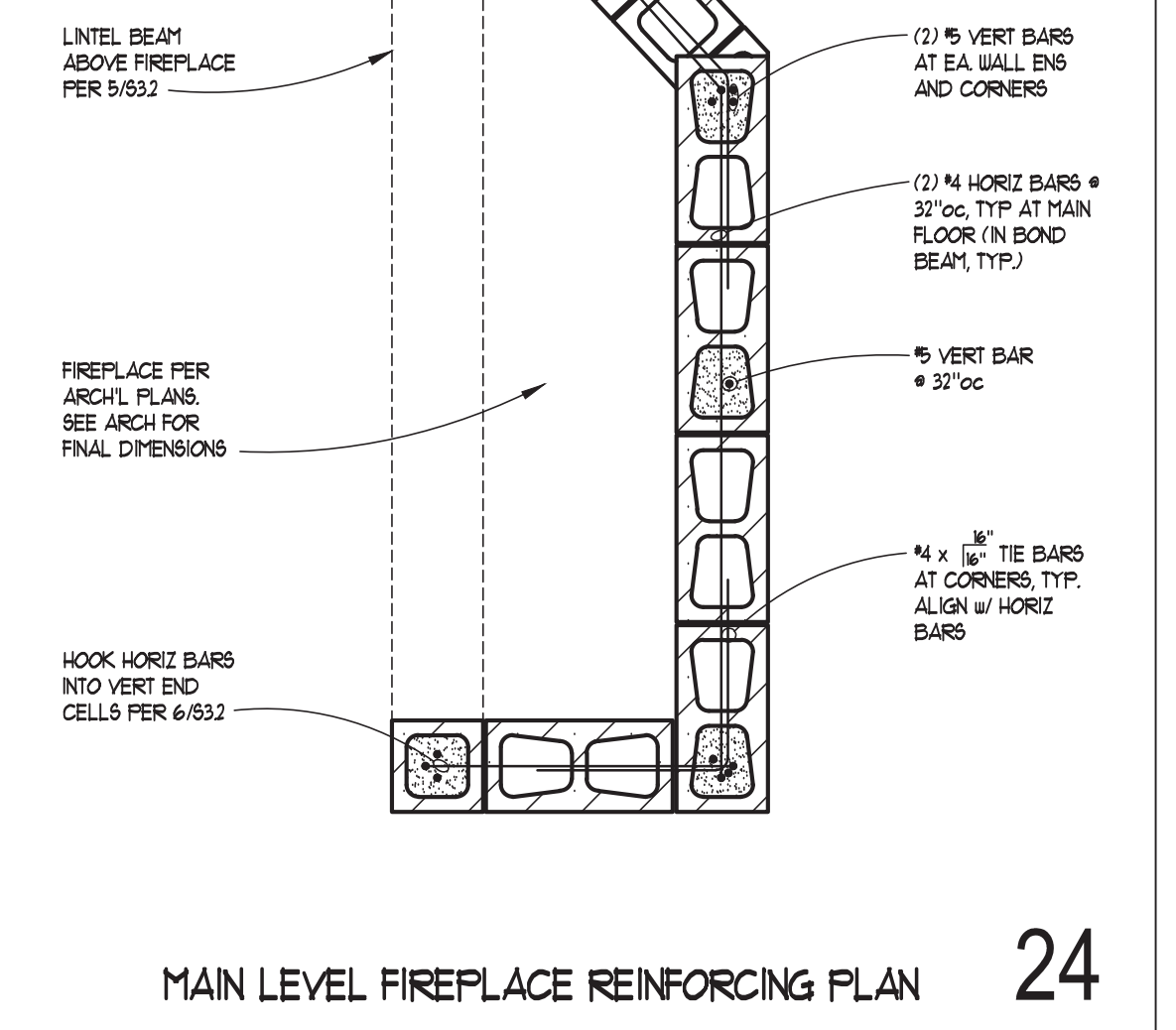
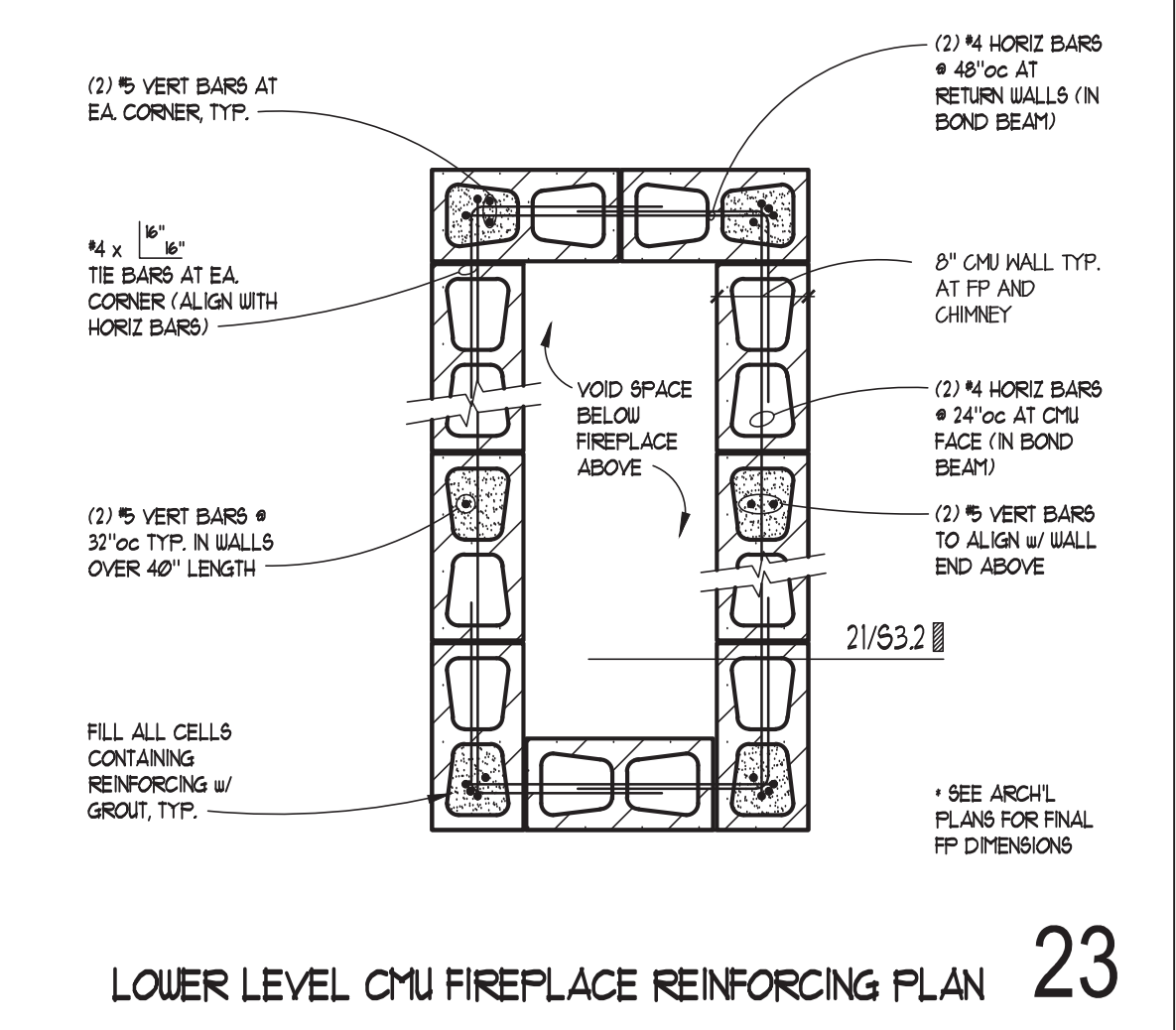
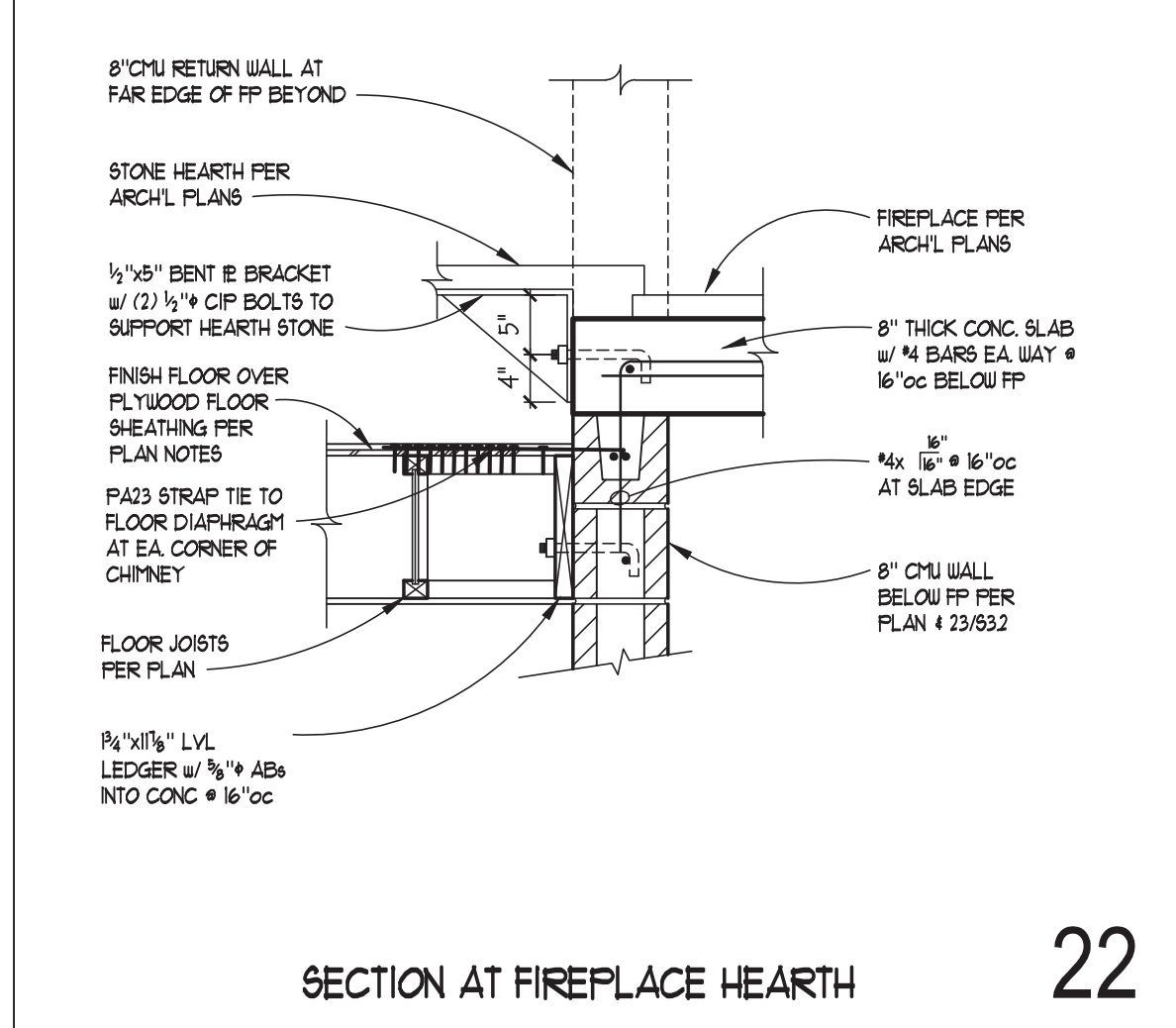
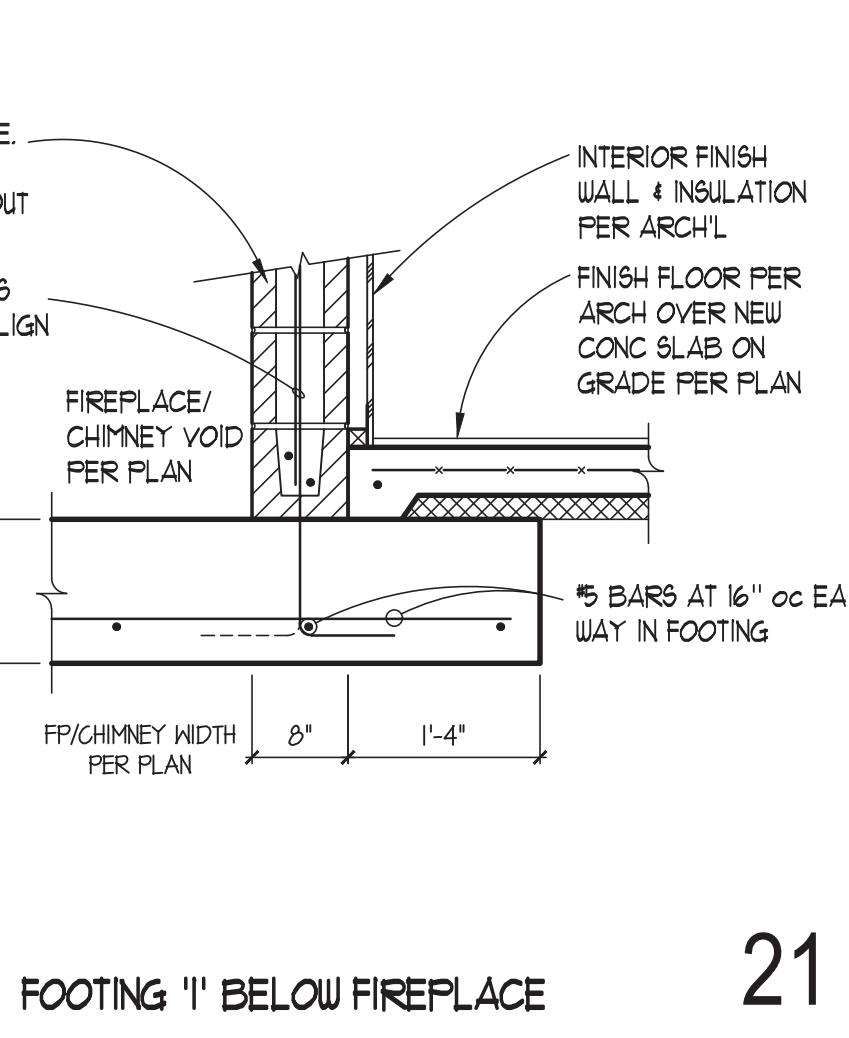
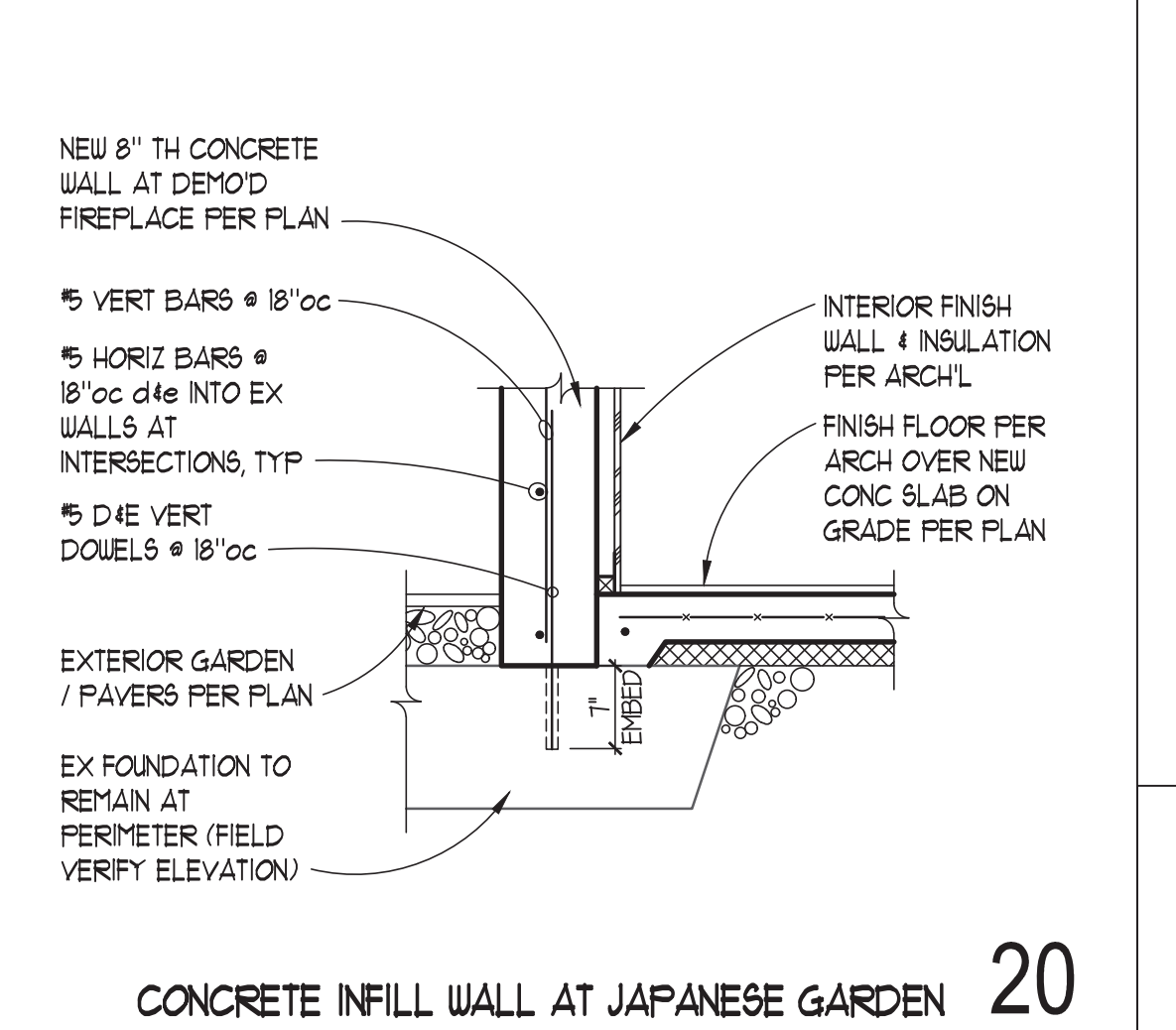
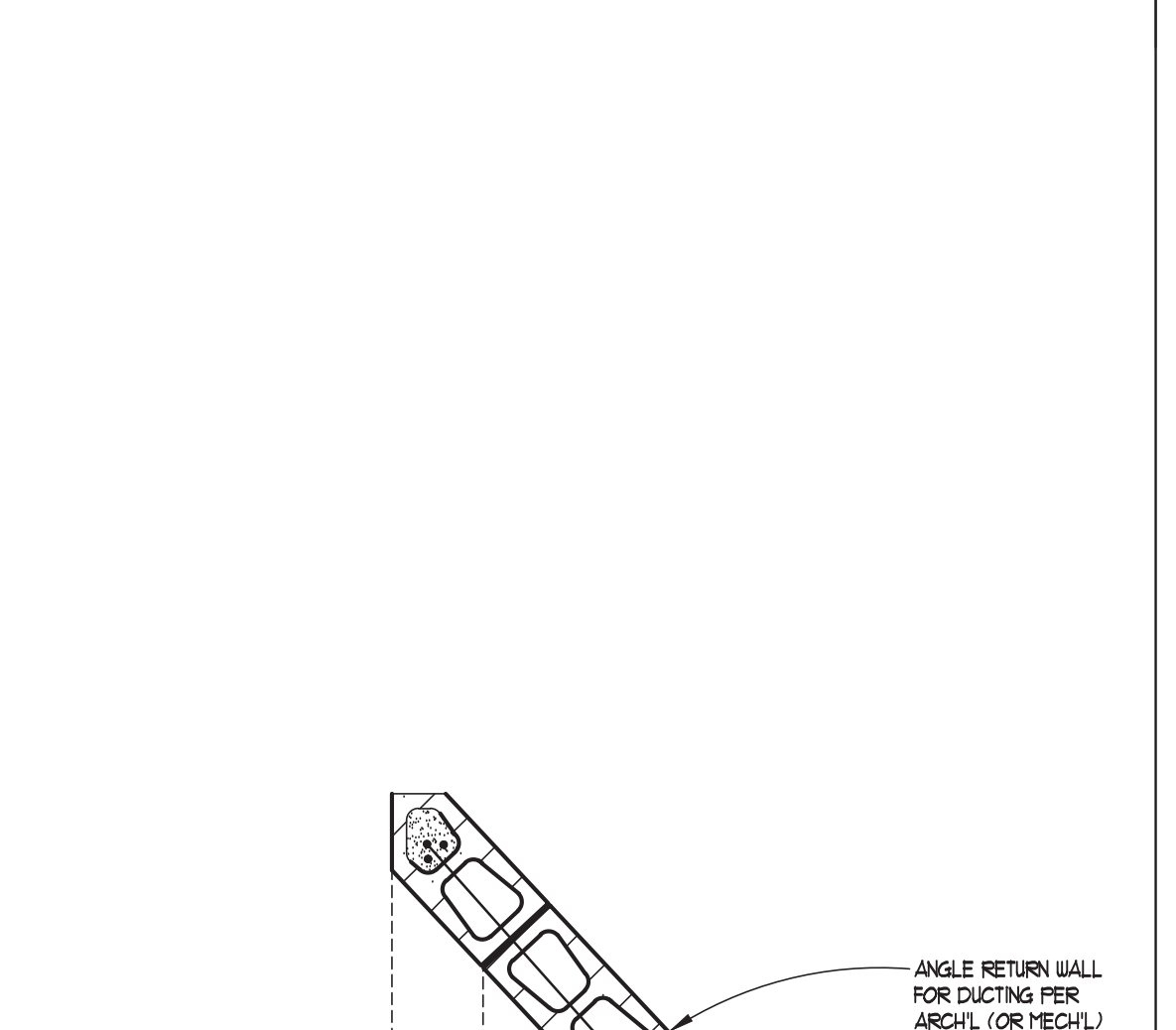
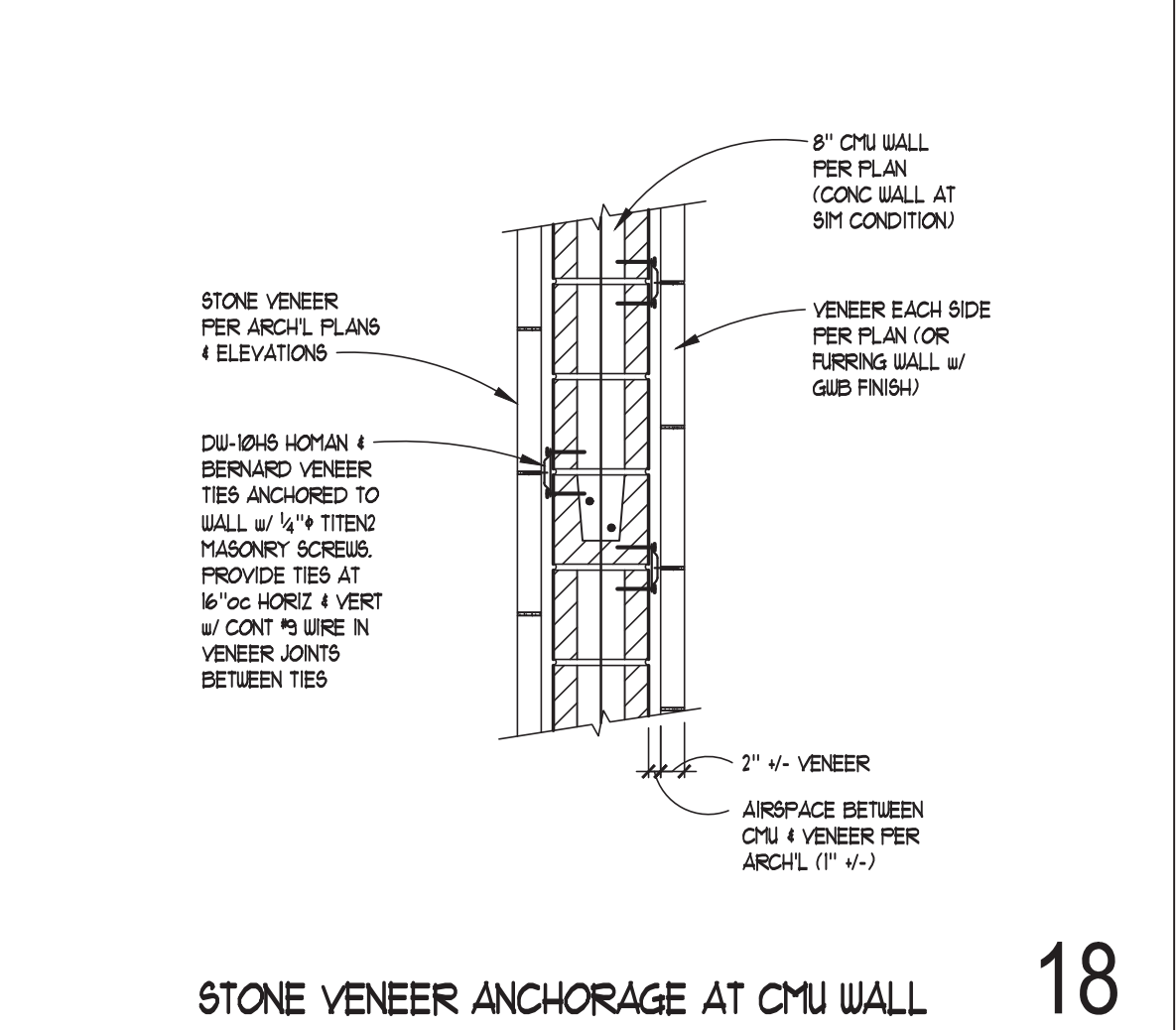
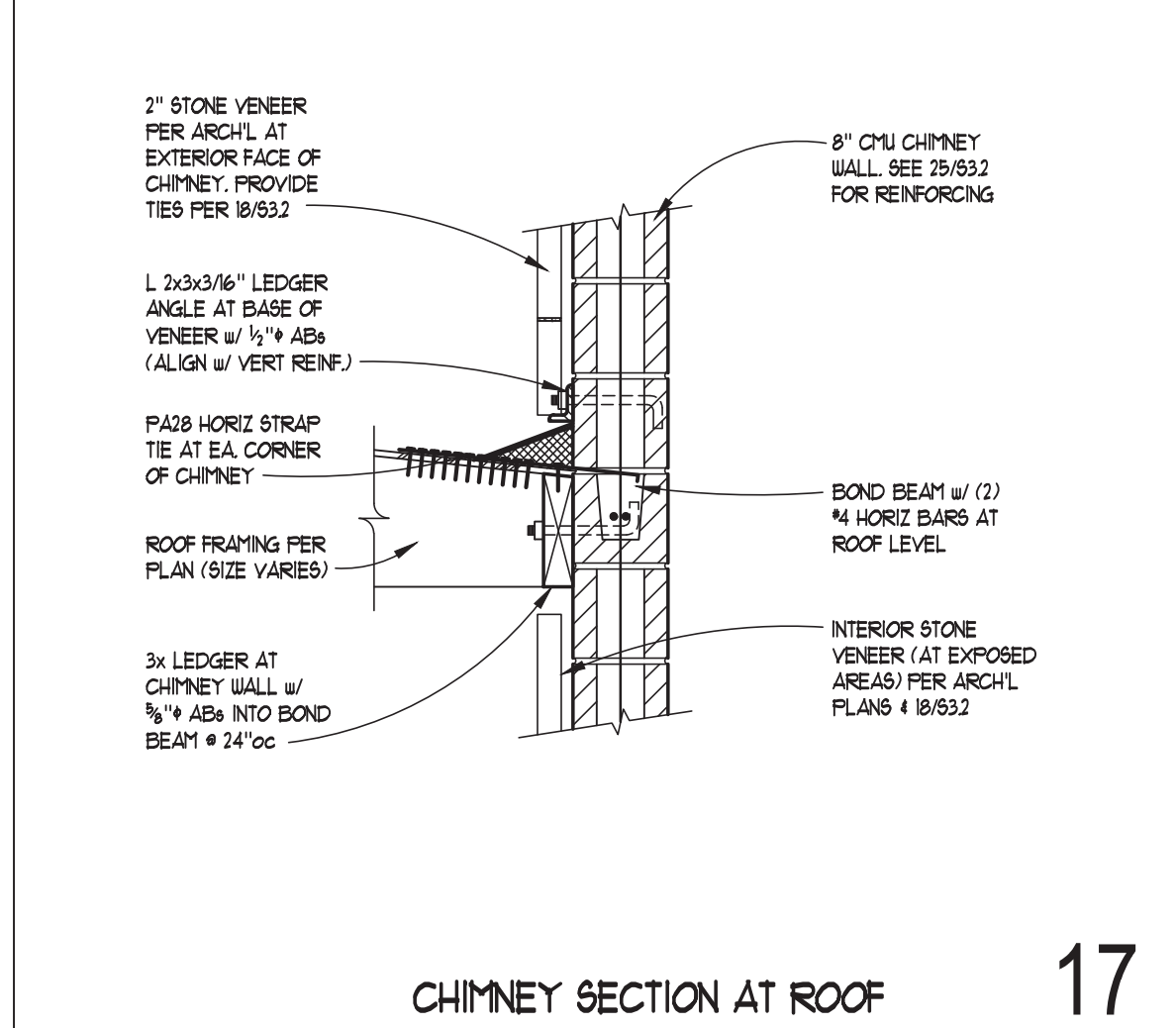
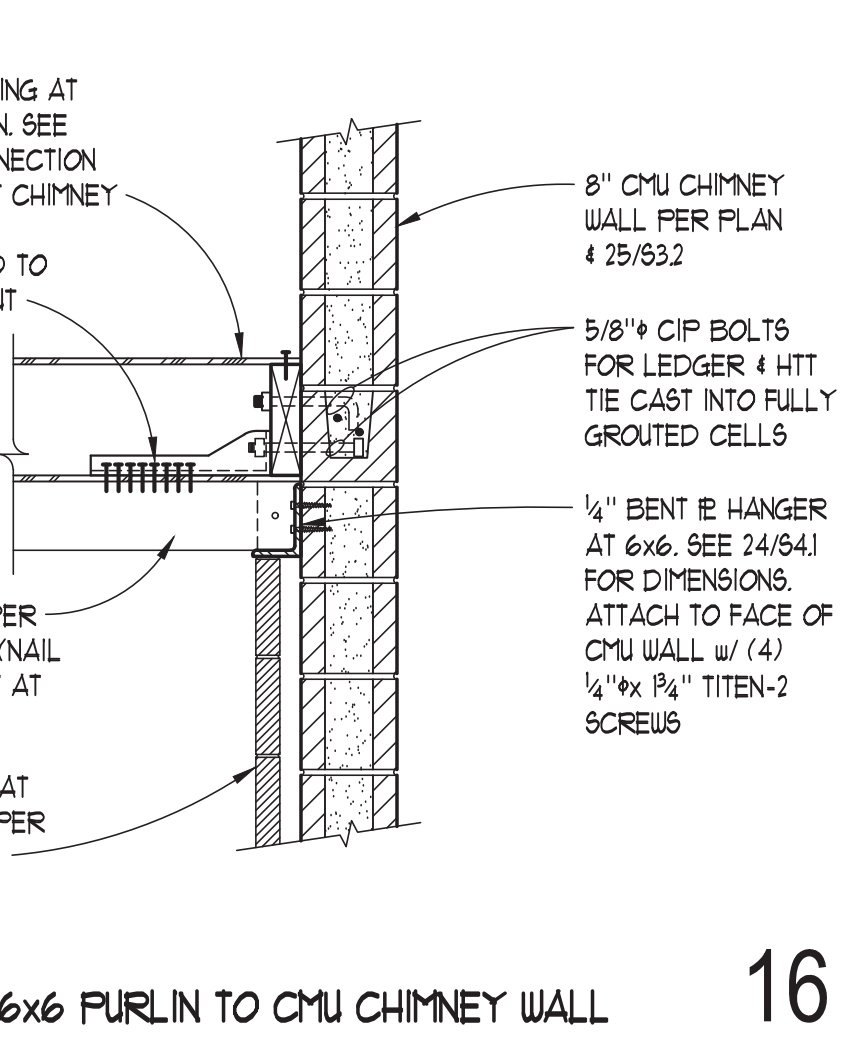
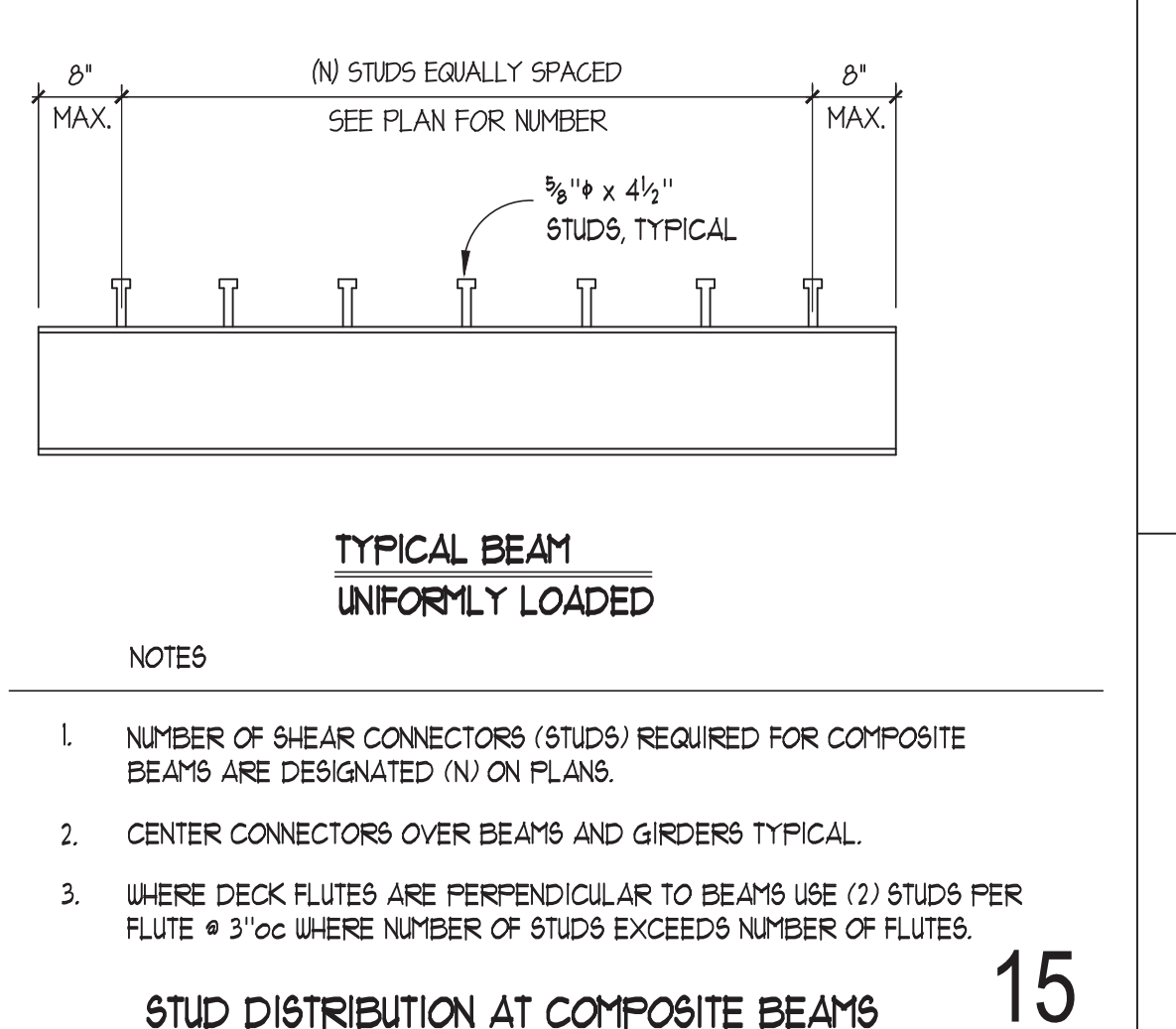
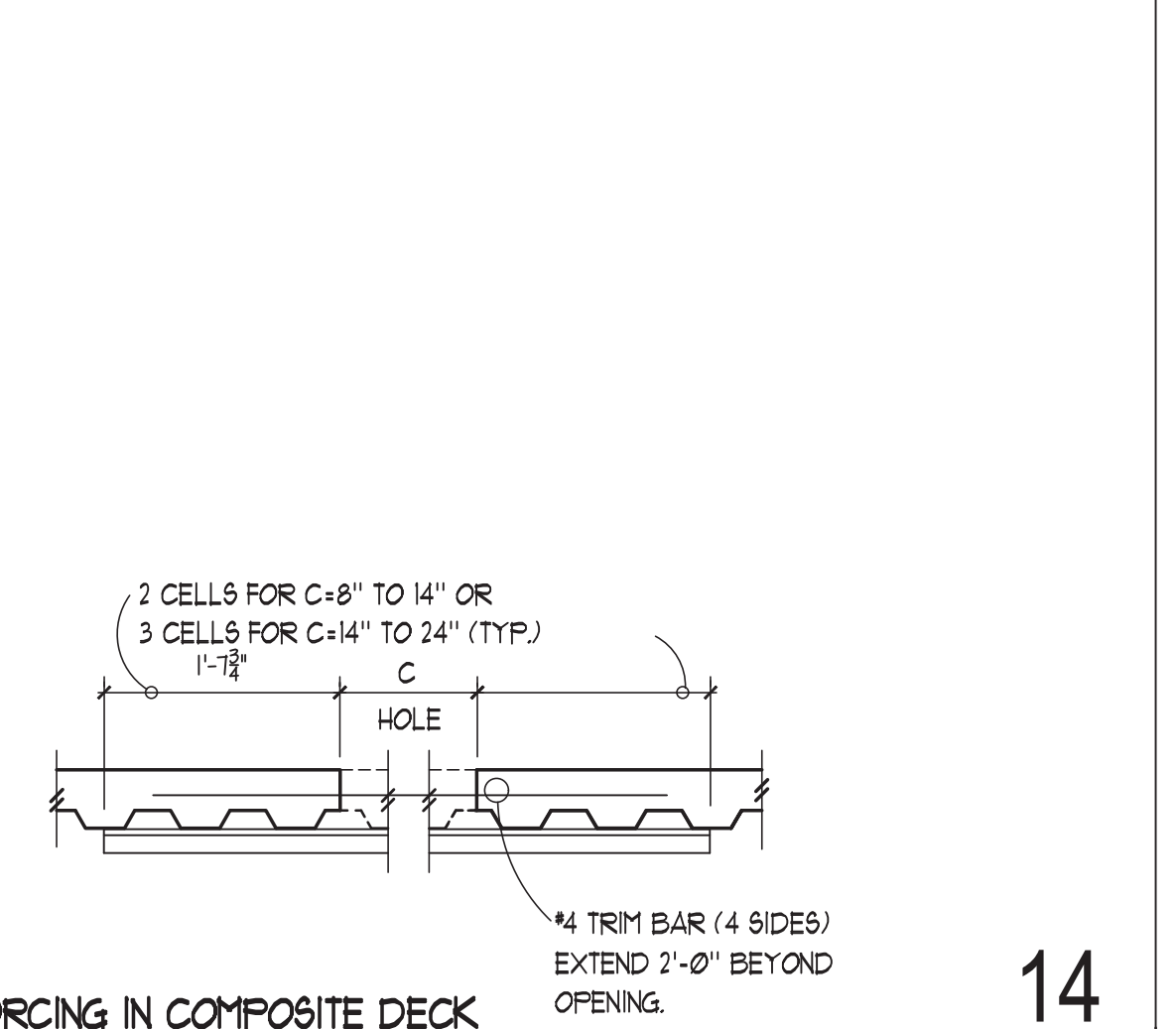
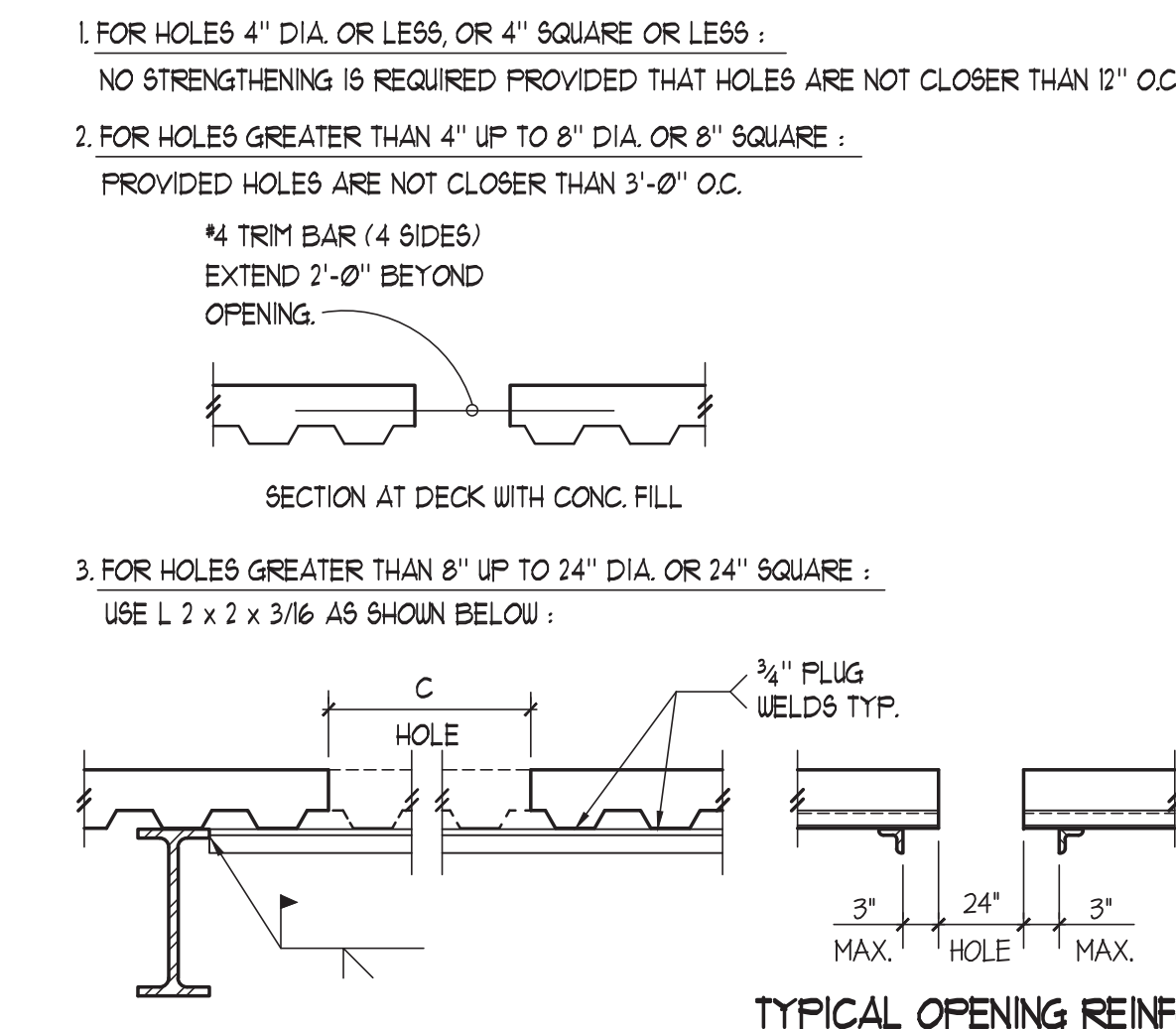
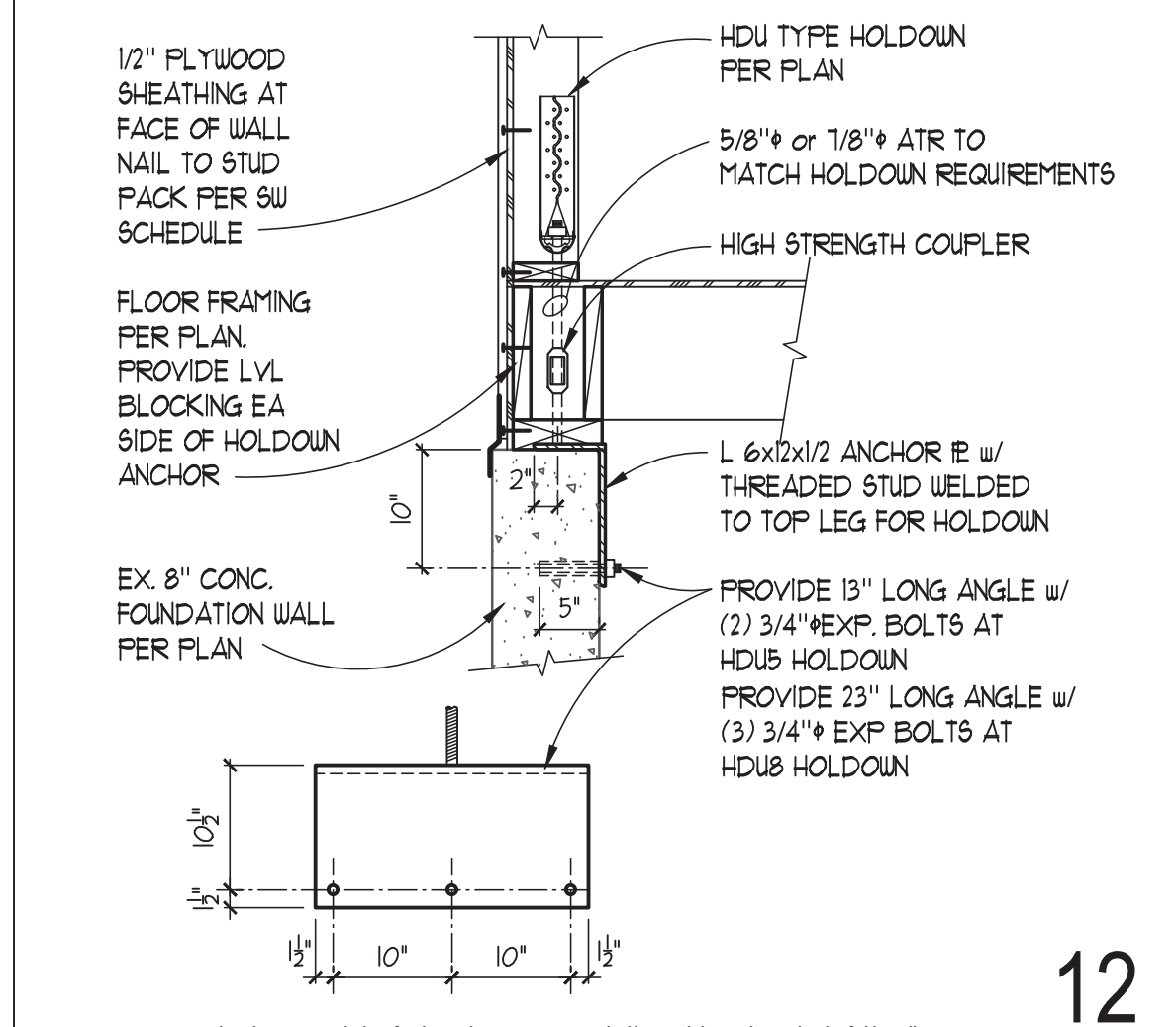
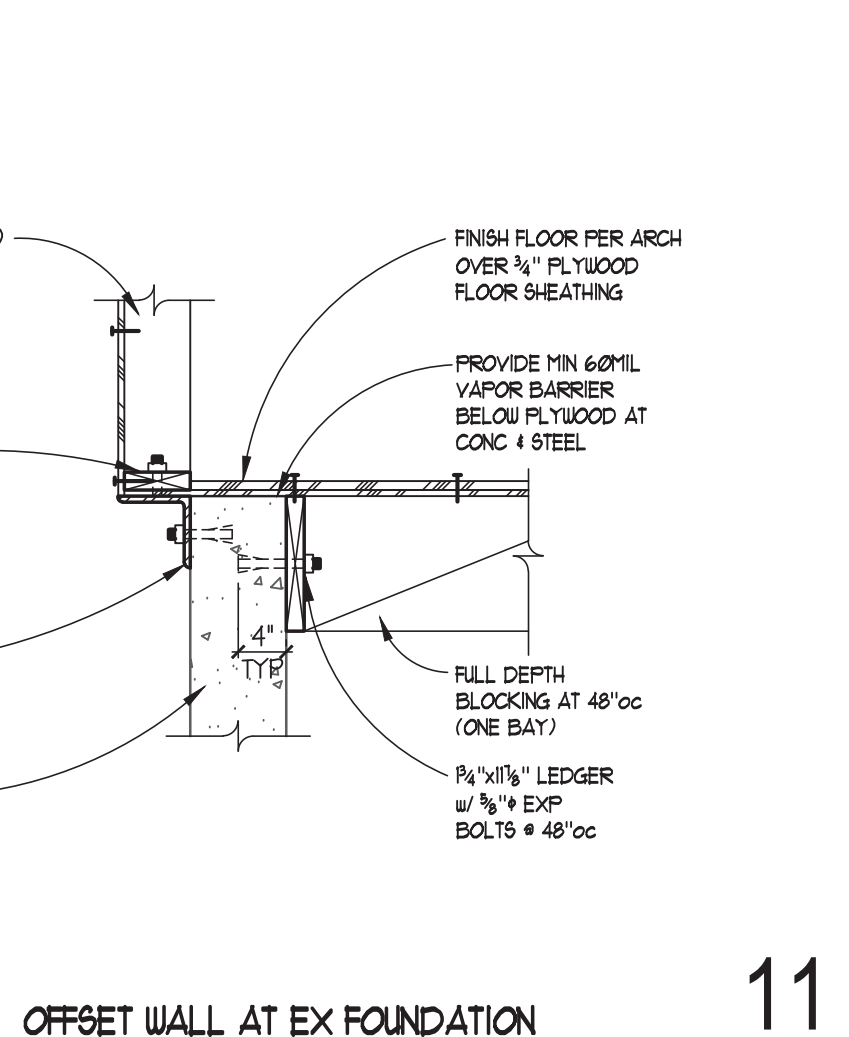
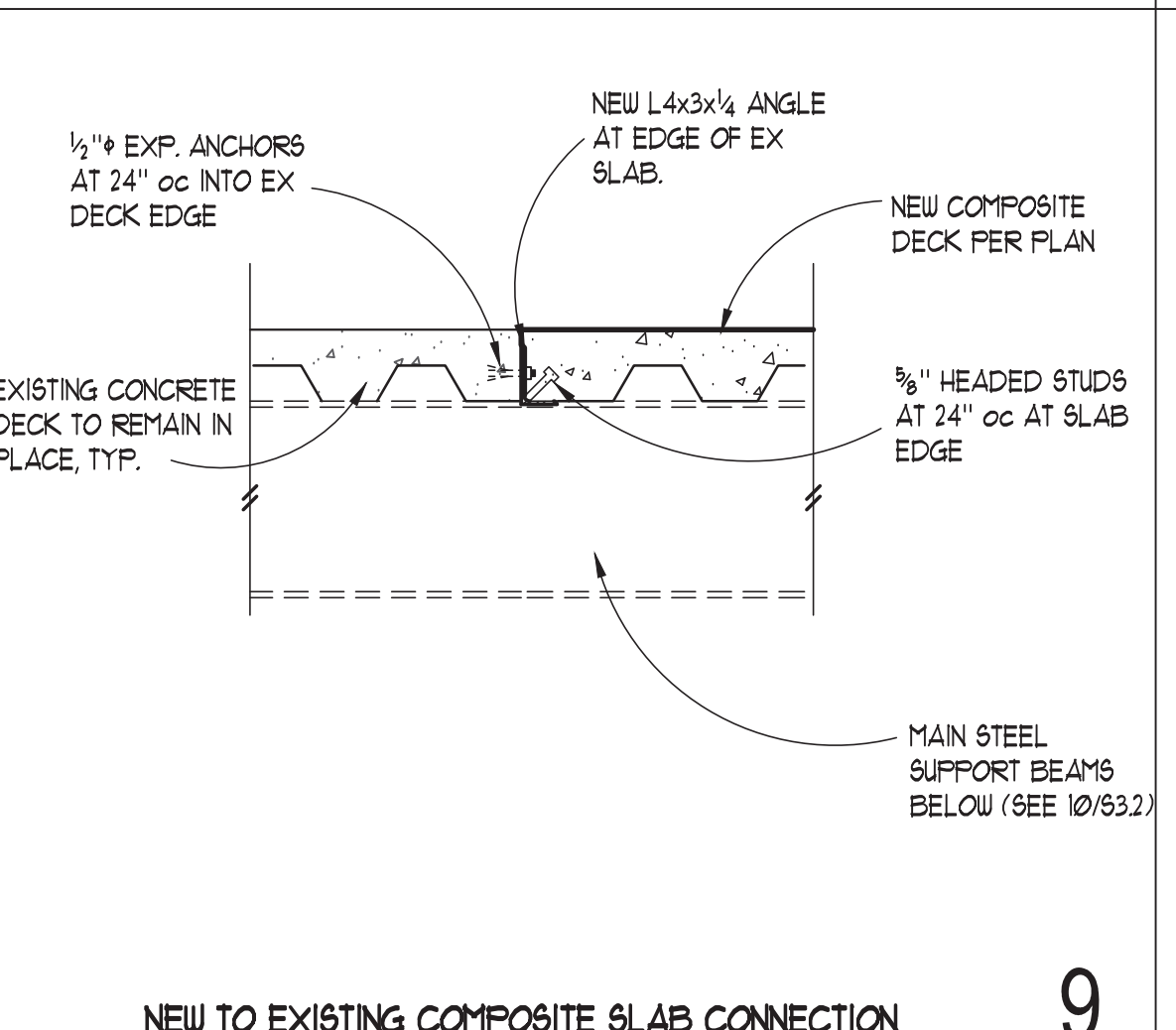
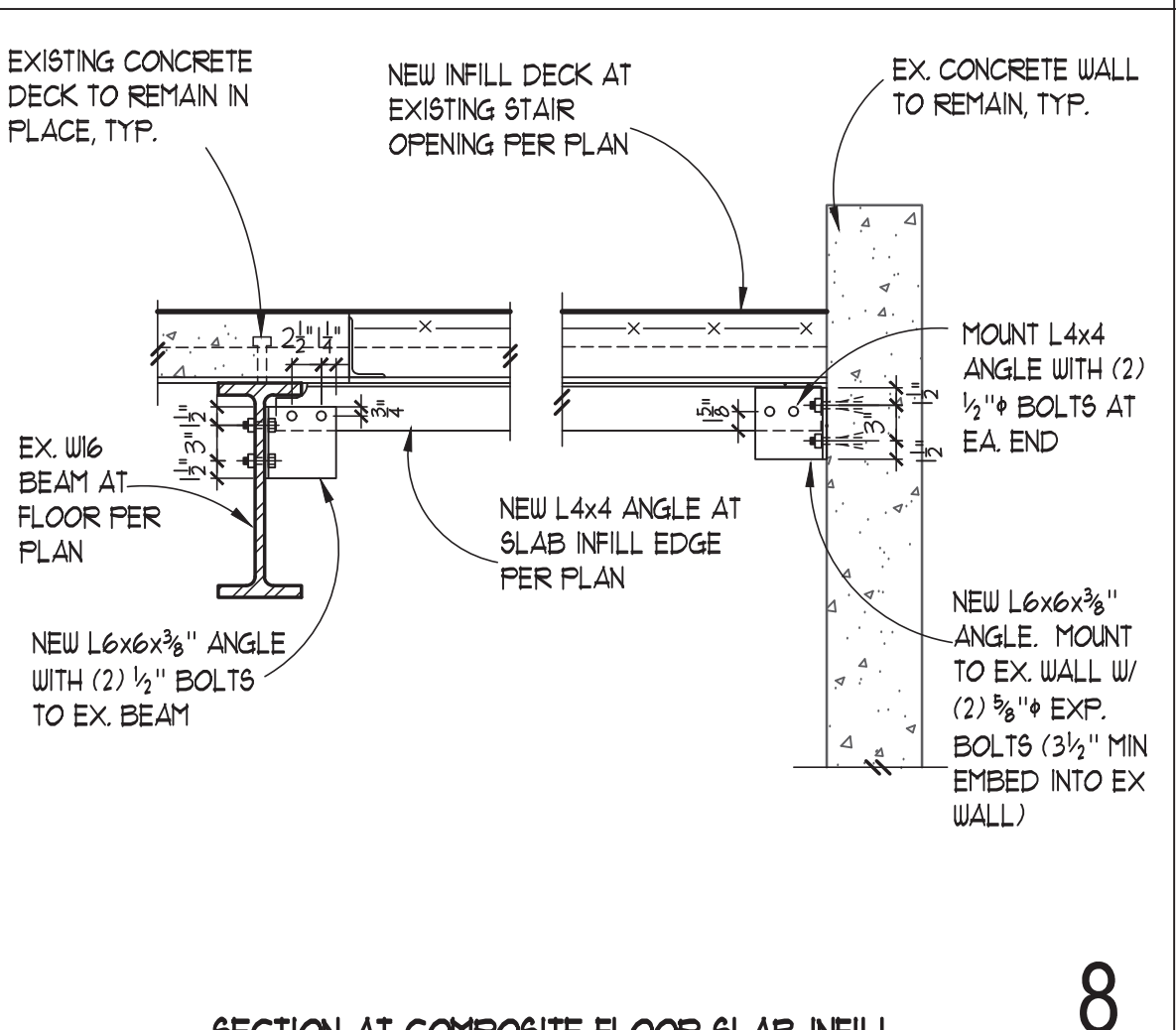
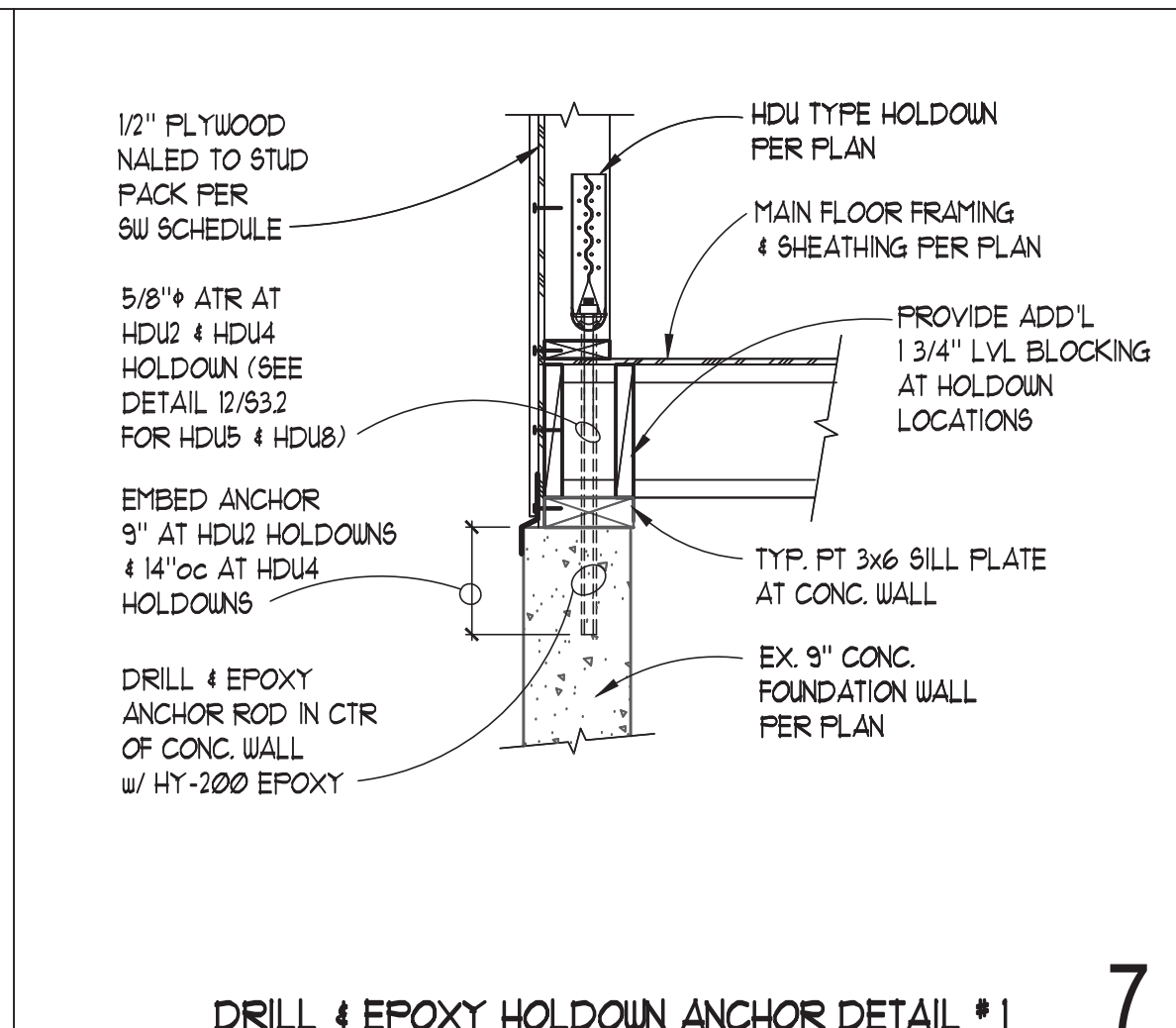
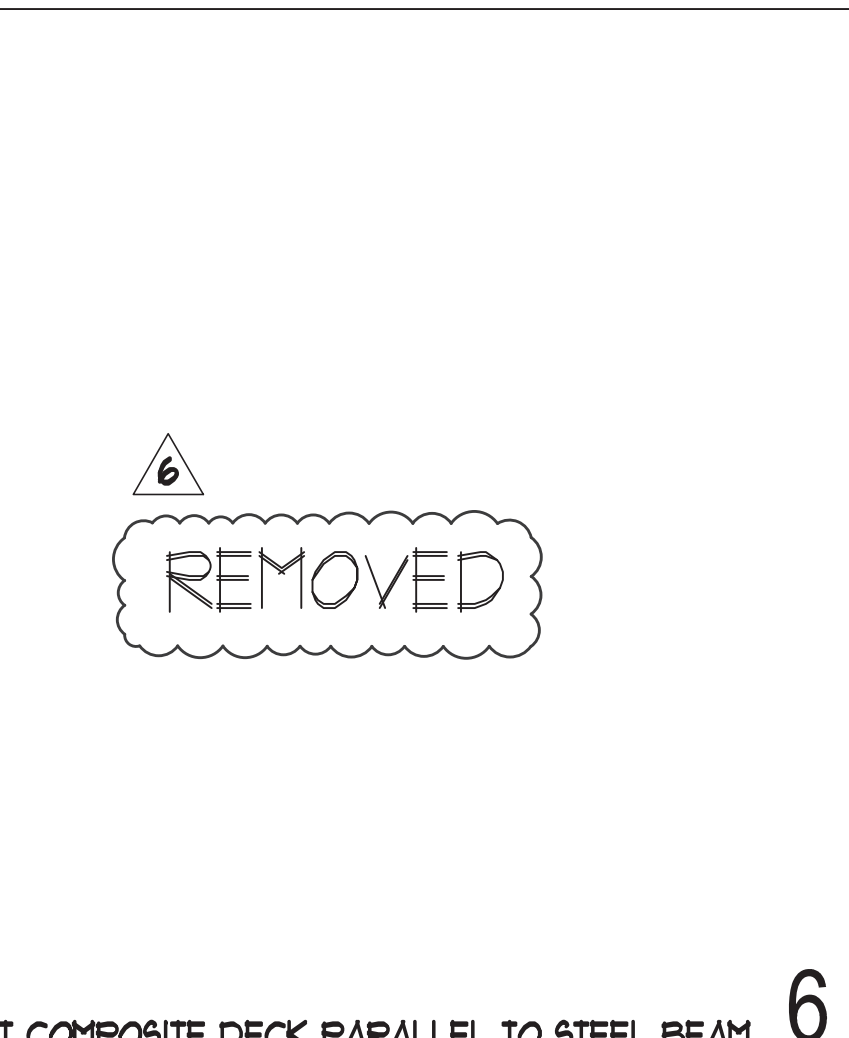
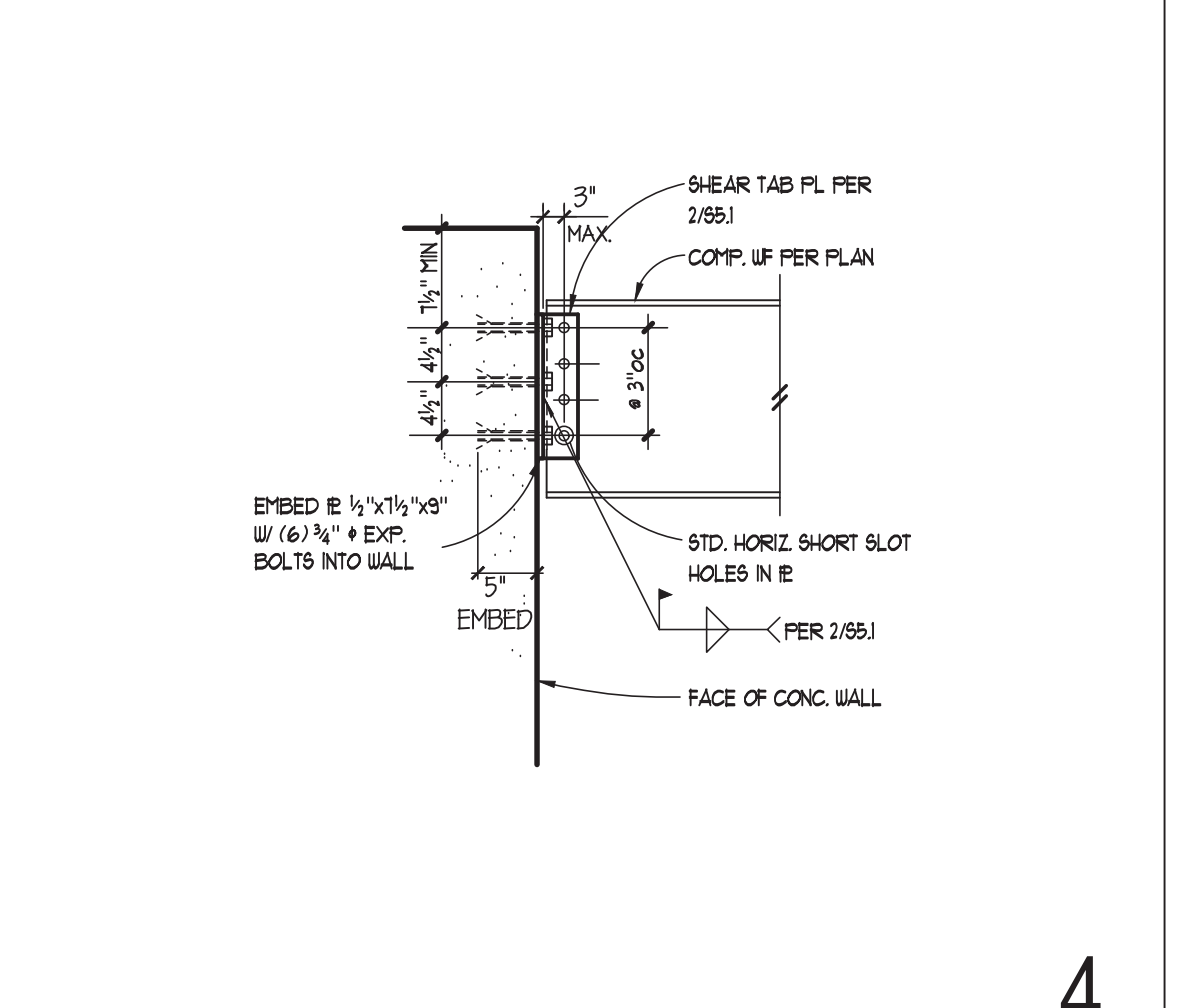
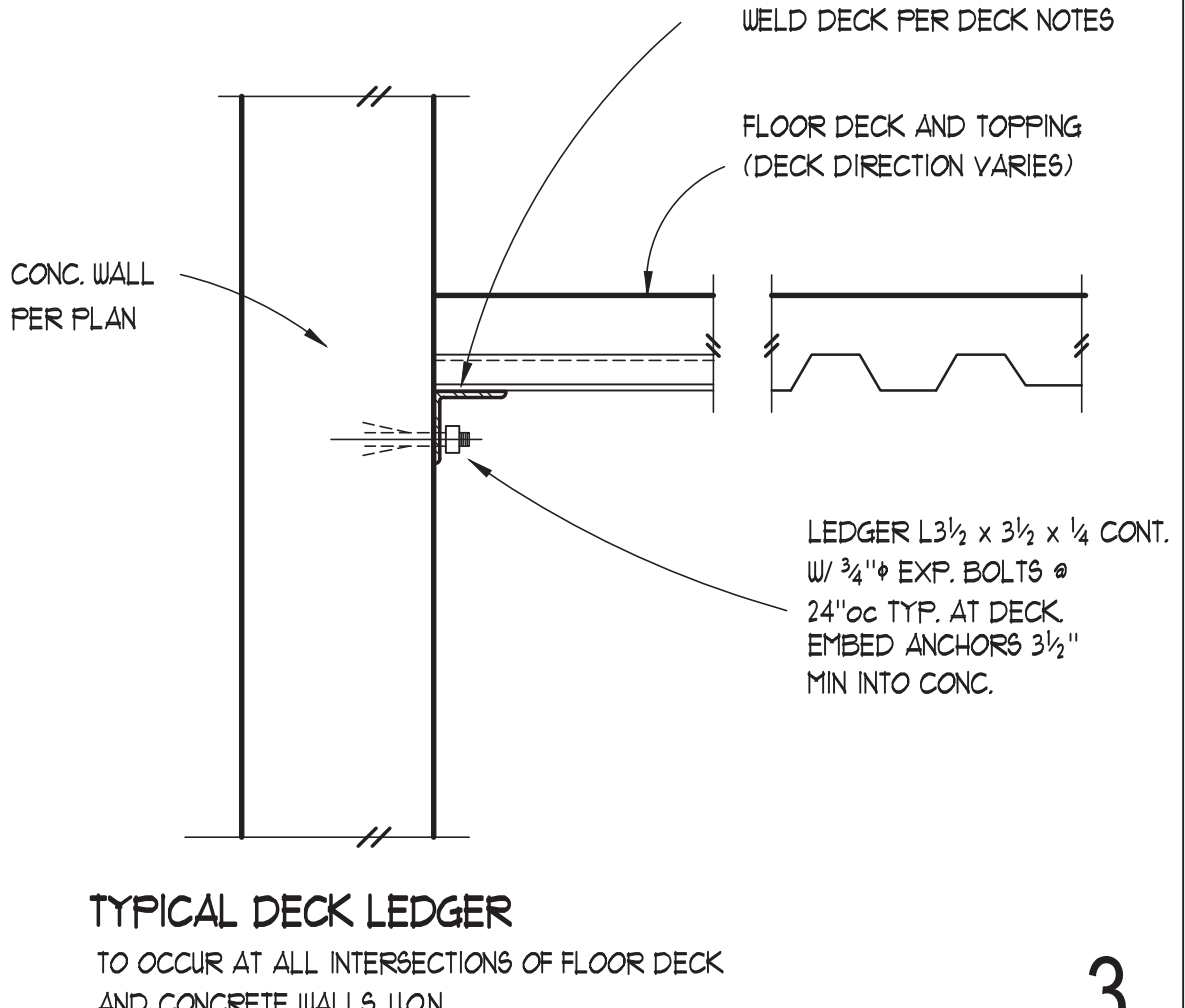
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CONCRETE AND CMU DETAILS
 PROJECT NO.: 191966-1
 E.O.R.: Mark Spelded
 DESIGNED: MTS
 DRAWN: KPH
 ISSUE DATE: 12-18-2020
 REVISIONS:

REVISIONS	DATE
PERMIT REV 06/03/21	
PERMIT REV 07/05/21	
PERMIT REV 08/03/21	
PERMIT REV 08/20/21	
CD SET REV 12/19/21	

SHEET NO.
S3.1
 REVIEW

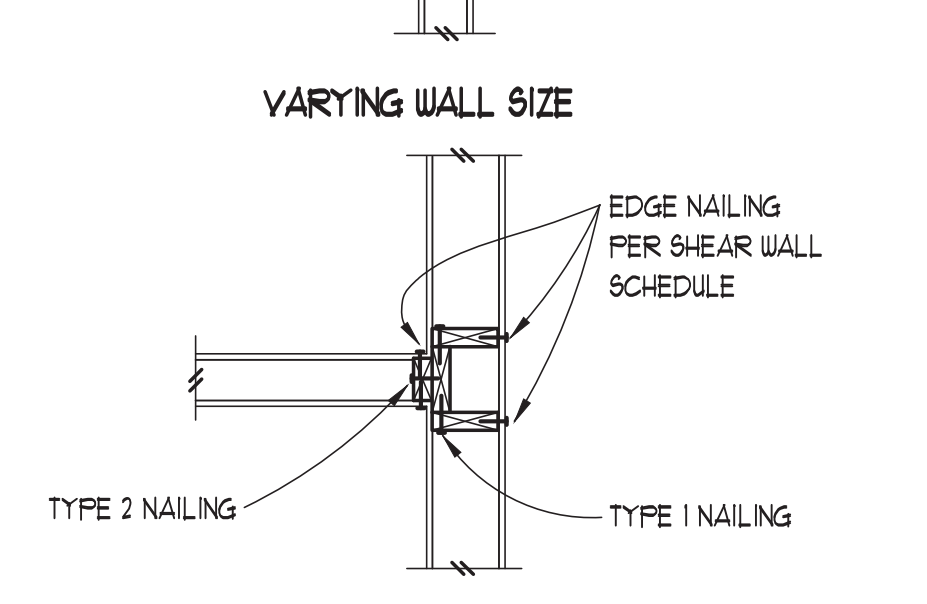
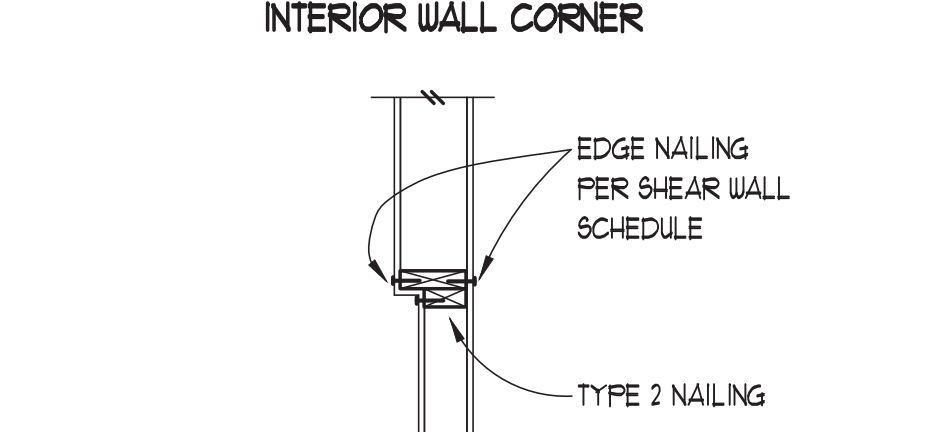
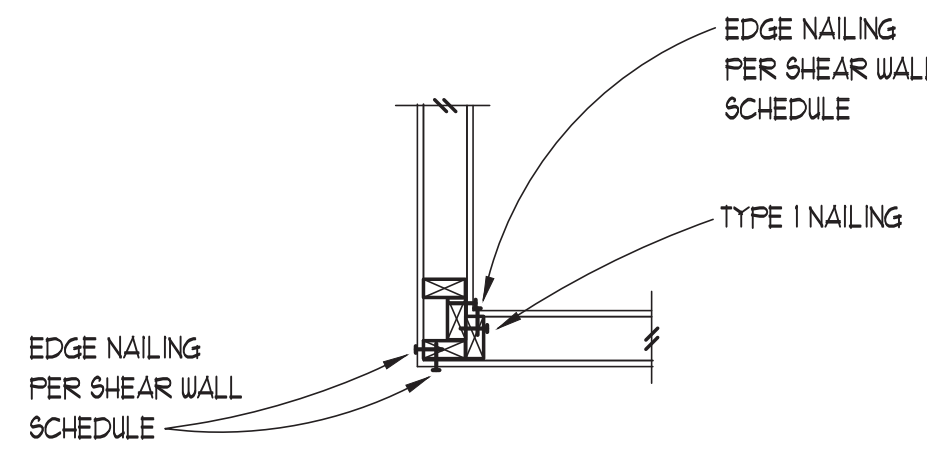


- USE 18 GA. DECK MATCHING PROPERTIES NOTED TO THE LEFT. DECK SHALL HAVE 100 PSF SUPERIMPOSED LOAD CAPACITY. 18 GA. DECK SHALL BE USED FOR ANY SINGLE AND DOUBLE SPAN CONDITIONS EXCEEDING 8'-6" EA. SPAN AND ANY TRIPLE SPAN CONDITIONS EXCEEDING 10'-3" EA. SPAN. MAXIMUM SPAN OF 18 GA. DECK IS 10'-6" FOR SINGLE AND DOUBLE SPAN CONDITIONS AND 11'-6" FOR TRIPLE SPAN CONDITIONS.
- NOTE 1 ASSUMES SHORING WILL NOT BE USED.
- PROVIDE (4) 1/2" DIAMETER EFFECTIVE RUDDLE WELDS PER SHEET TO ALL SUPPORTS PERPENDICULAR TO DECK FLUTES.
- PROVIDE 1/2" DIAMETER RUDDLE WELDS AT 12" OC TO ALL STEEL BEAMS. PROVIDE 1/2" DIAMETER RUDDLE WELDS AT 8" OC TO ALL LEDGERS AND DECK EDGES. PROVIDE 1/2" DIAMETER RUDDLE WELDS AT 12" OC WHERE DECK ORIENTATION CHANGES AND OTHER SUPPORTS PARALLEL TO DECK FLUTES.
- CONNECT DECK SEAMS WITH BUTT JUNCTIONS # 36" O.C.
- DECK TYPE MUST STRICTLY MEET CRITERIA LISTED ABOVE INCLUDING I.C.B.O. RESEARCH REPORT ALLOWABLE SHEAR AND SUPERIMPOSED LOADS. SUBMIT DECK INFORMATION TO ENGINEER PRIOR TO BEGINNING SHOP DRAWINGS.
- REINFORCE DECK OPENINGS PER 14/932

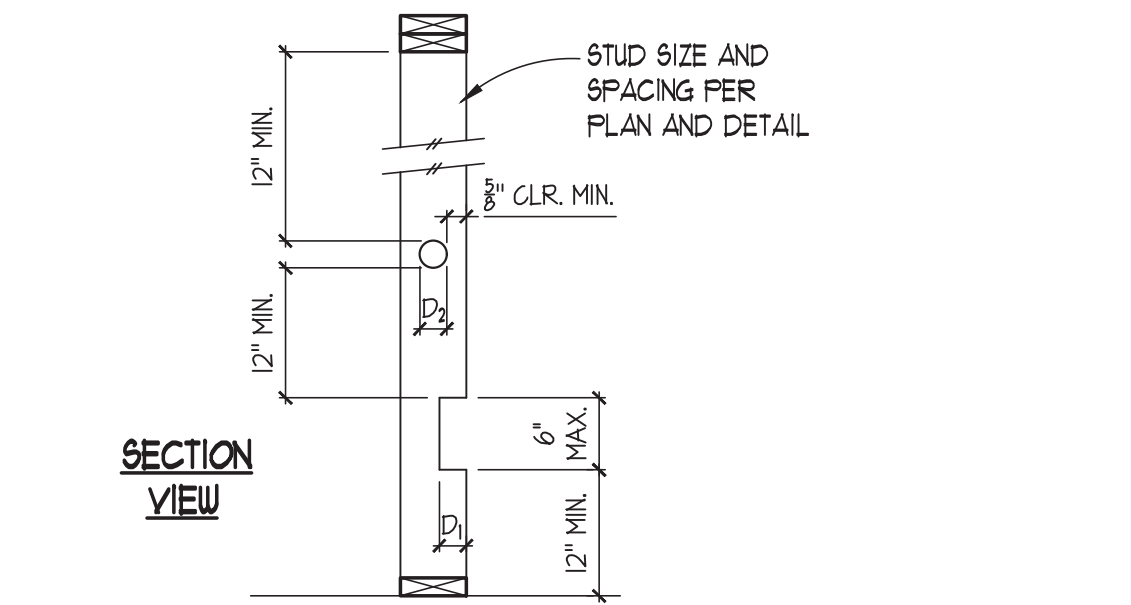
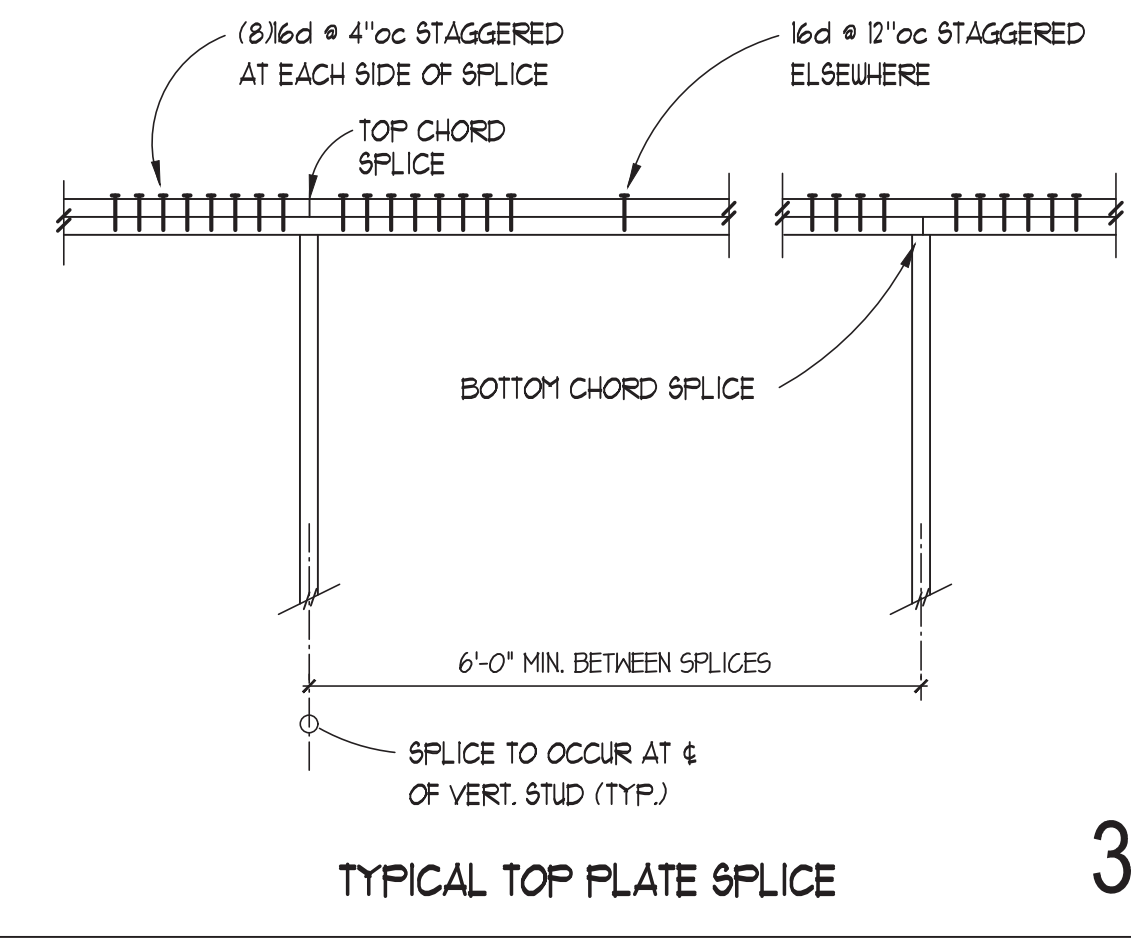
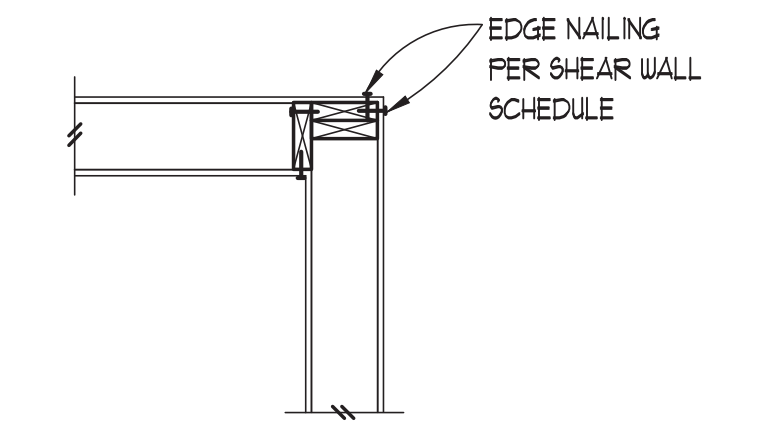


STUD TO STUD NAILING SCHEDULE

LEVEL	NAILING TYPE	
	TYPE 1	TYPE 2
SECOND	16d @ 12" o.c.	16d @ 6" o.c.
FIRST	16d @ 12" o.c.	16d @ 6" o.c.



- NOTES:
- WHERE NO STUD TO STUD NAILING IS INDICATED, NAIL STUDS TOGETHER WITH 16d @ 12" o.c.
 - ADDITIONAL STUDS REQUIRED AS NAILERS, ETC. ARE NOT SHOWN.
 - SEE SHEAR WALL SCHEDULE FOR SHEATHING NAILING REQUIREMENTS.
 - SEE PLAN NOTES FOR STUD SIZE AND SPACING. (VERIFY WITH ARCHITECTURAL.)

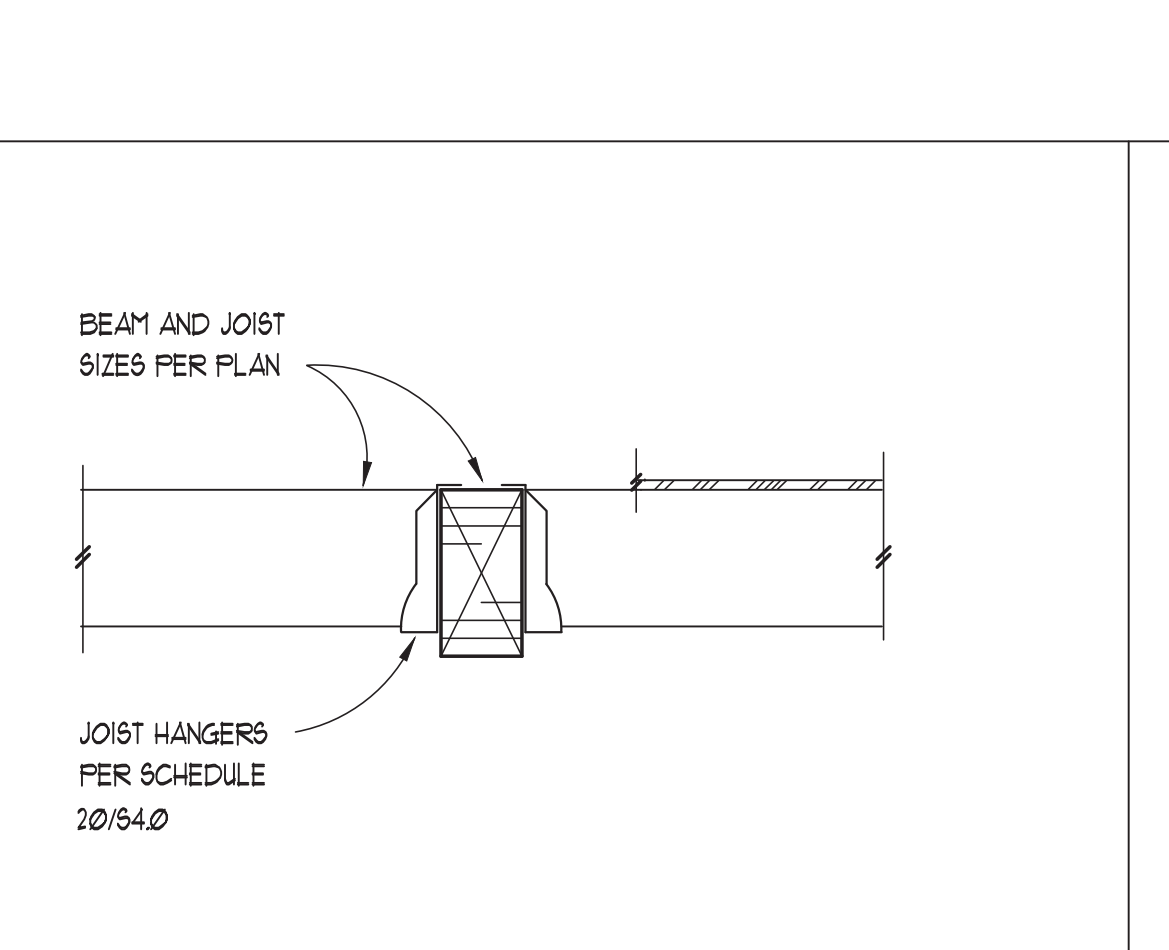
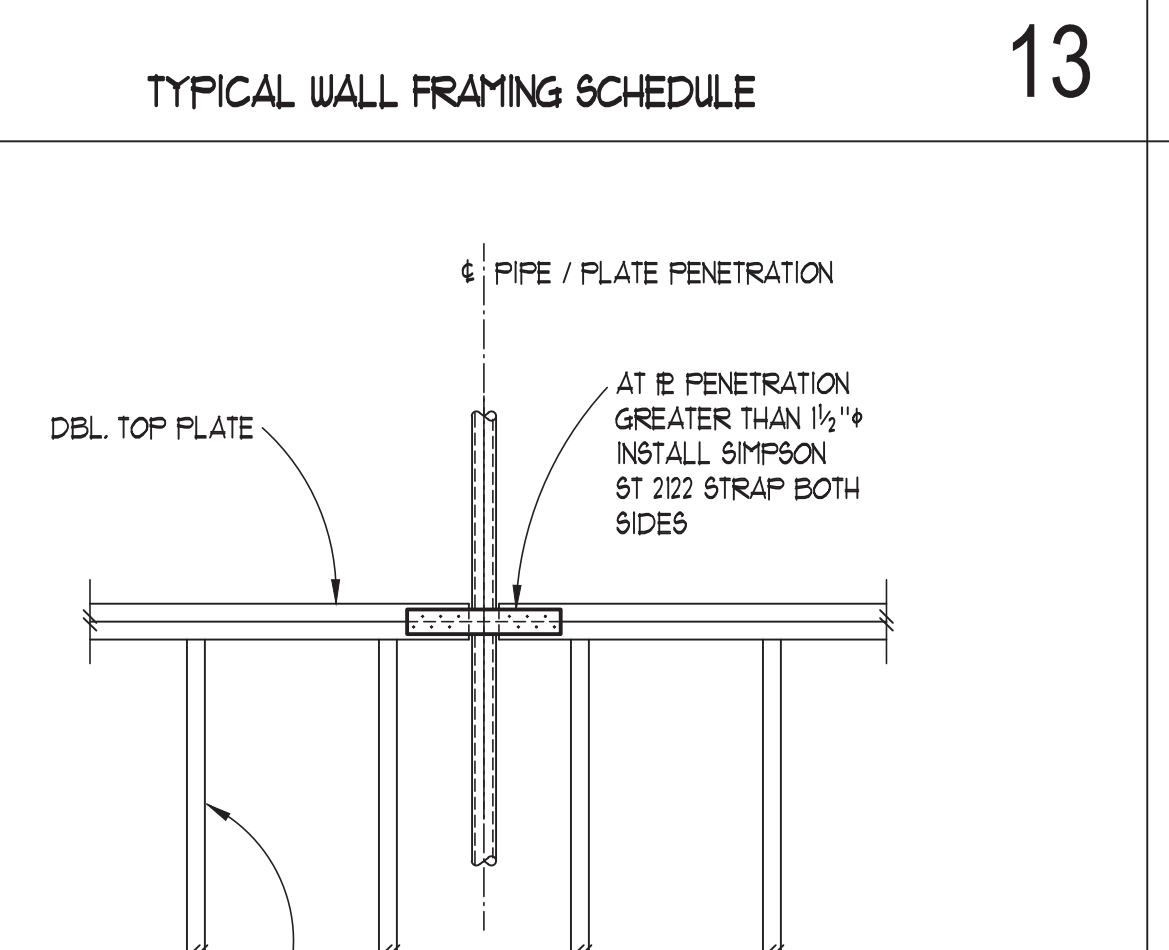
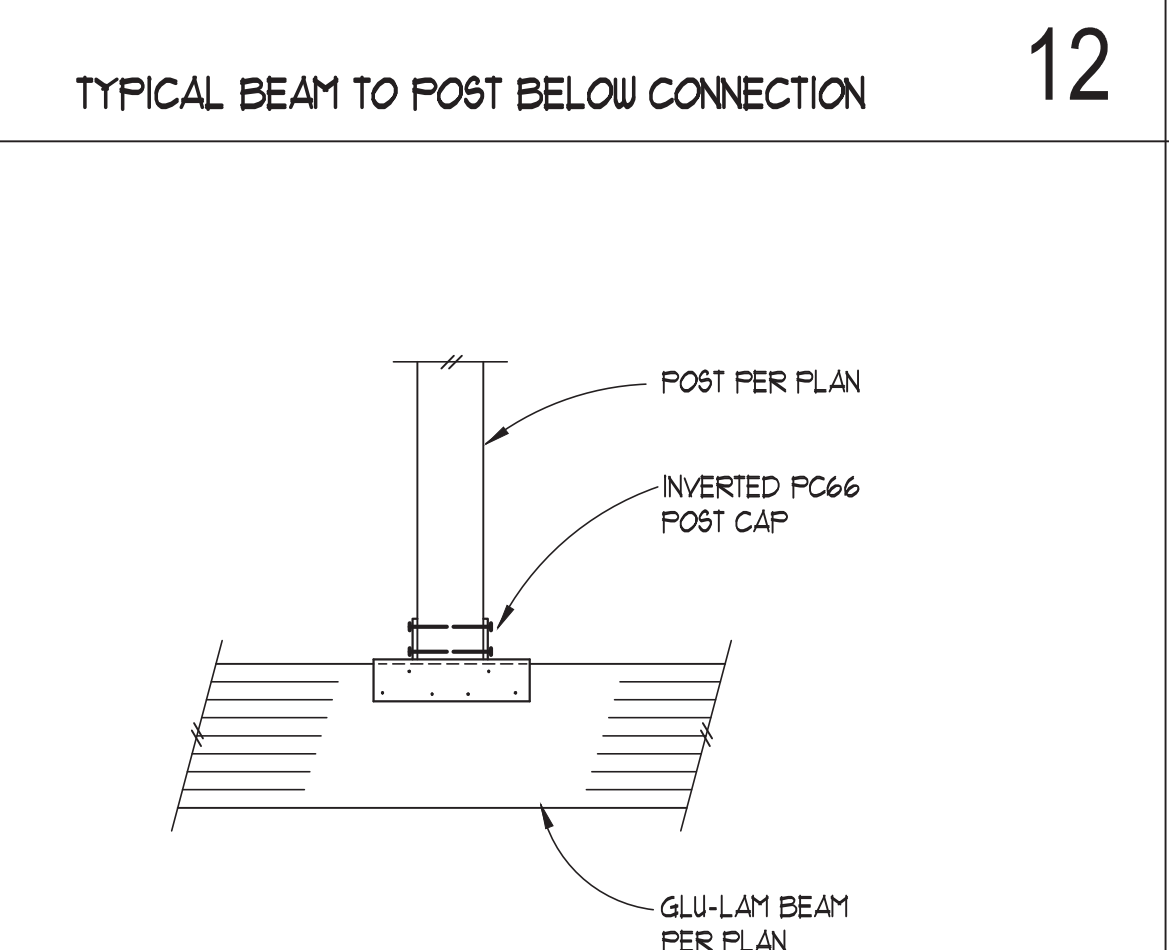
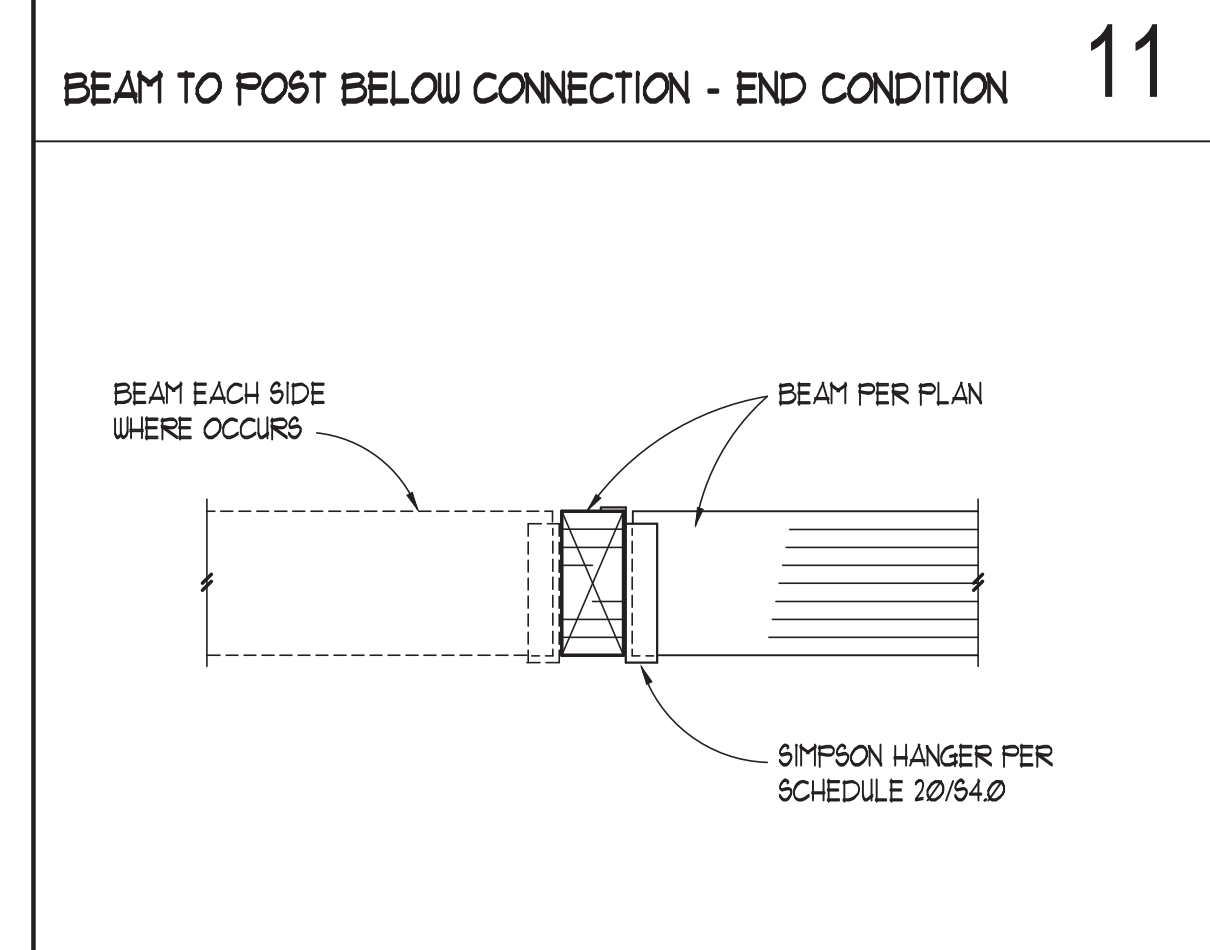
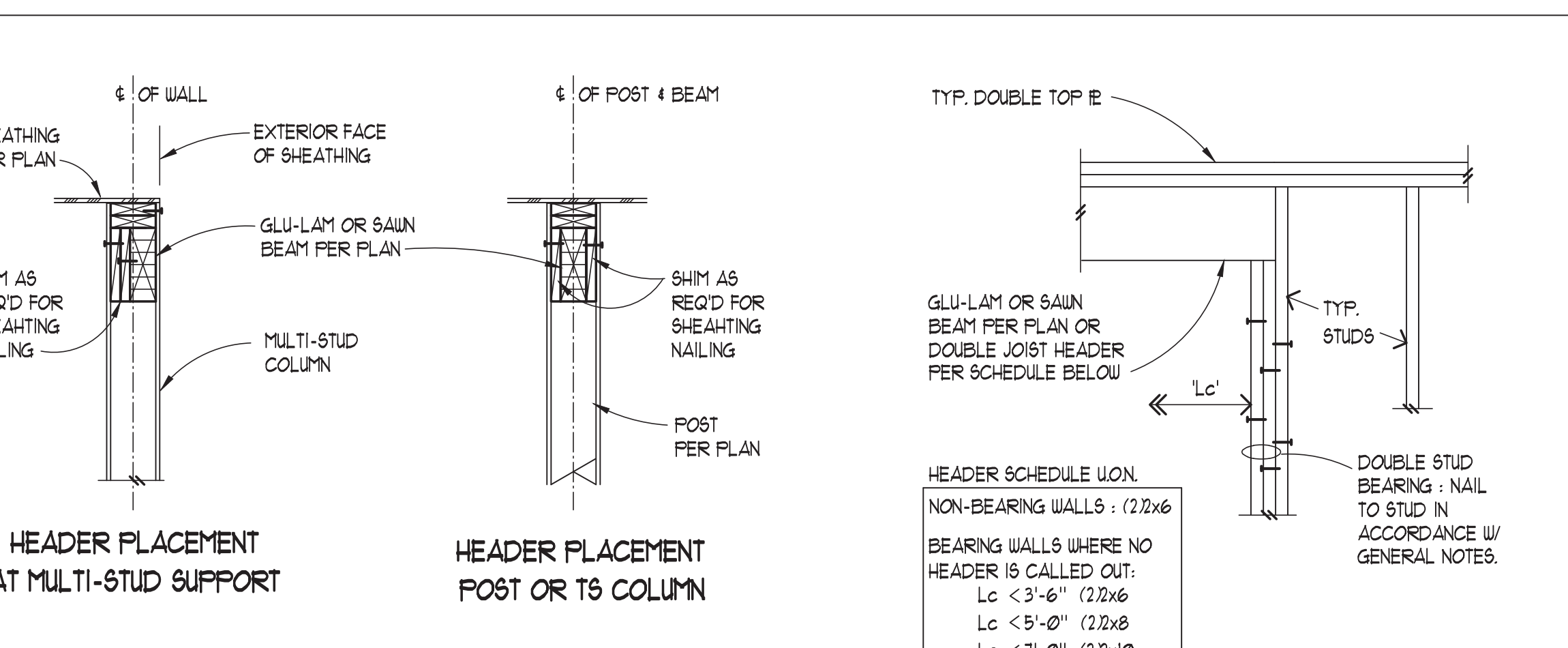
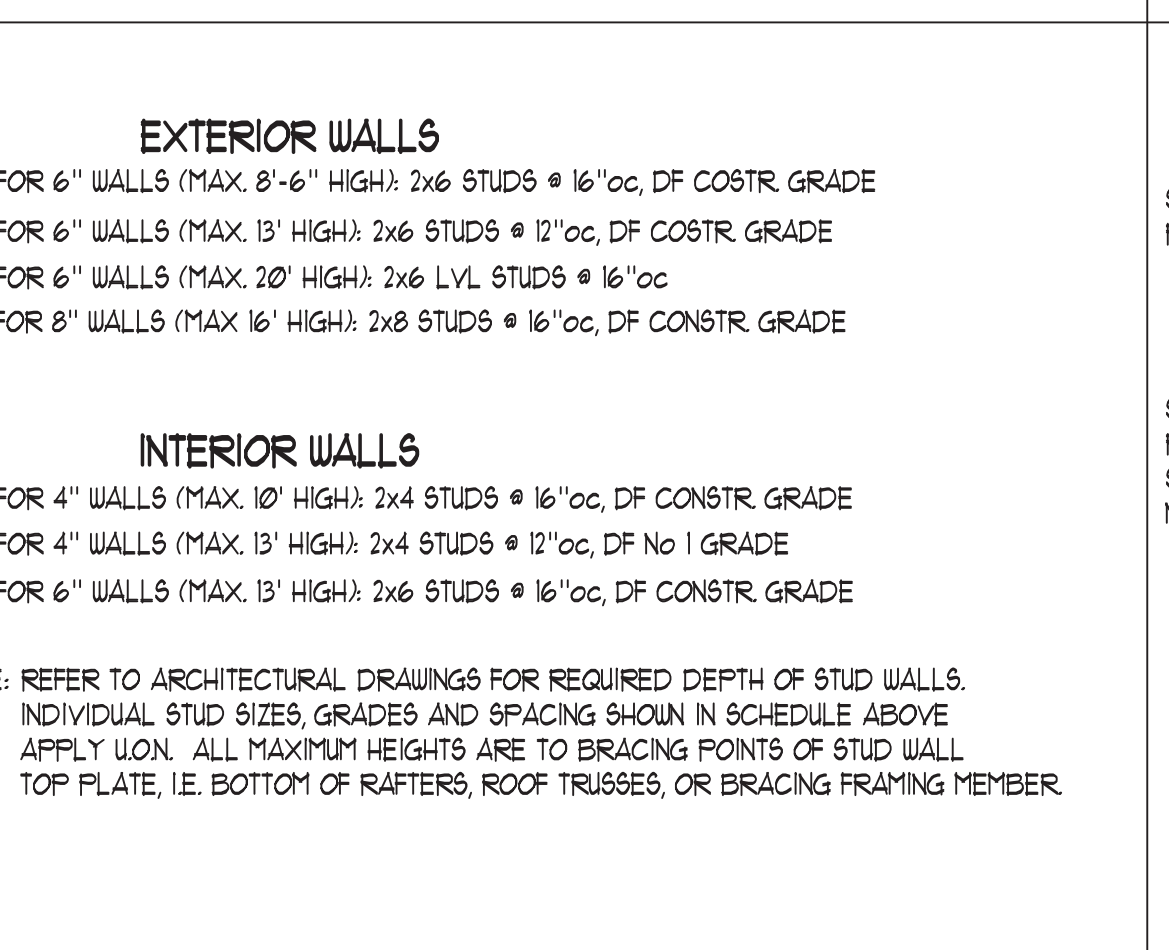
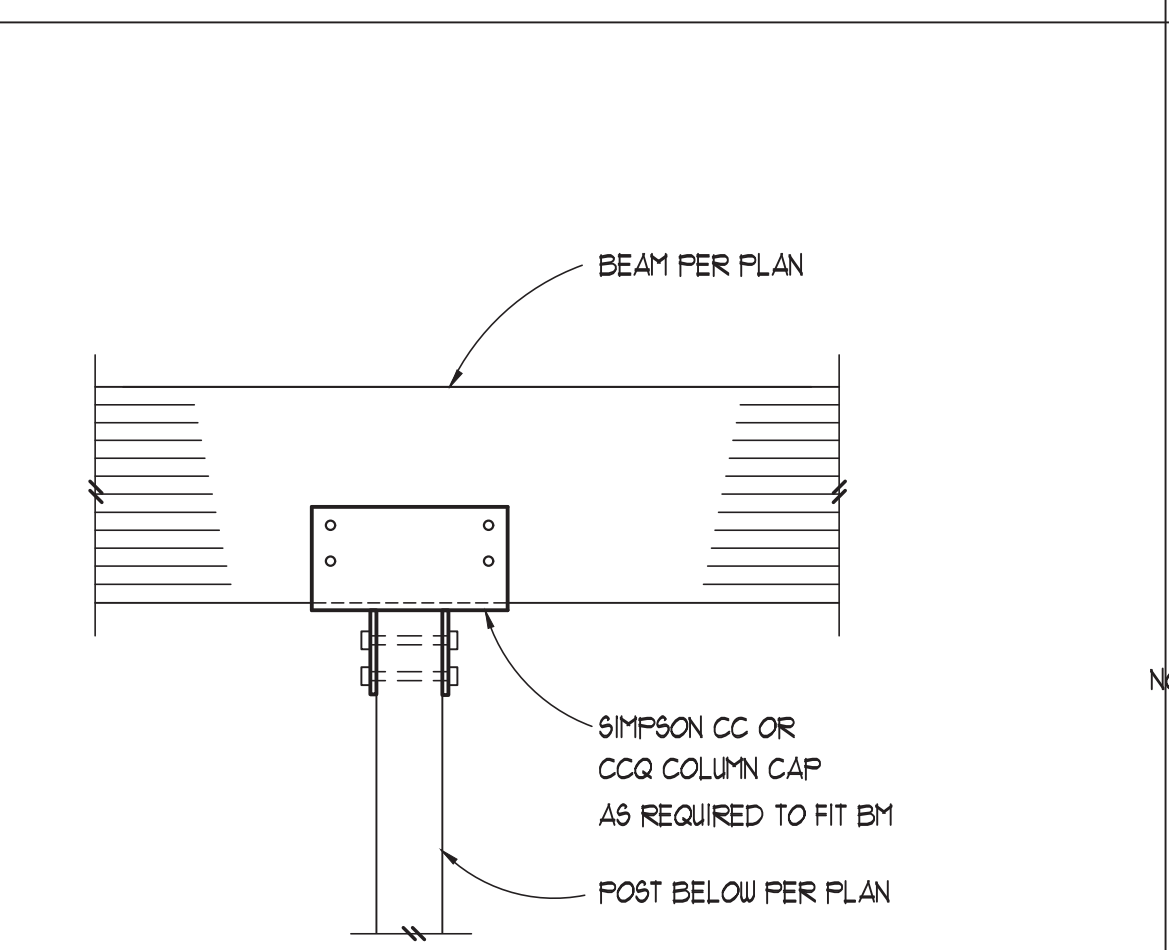
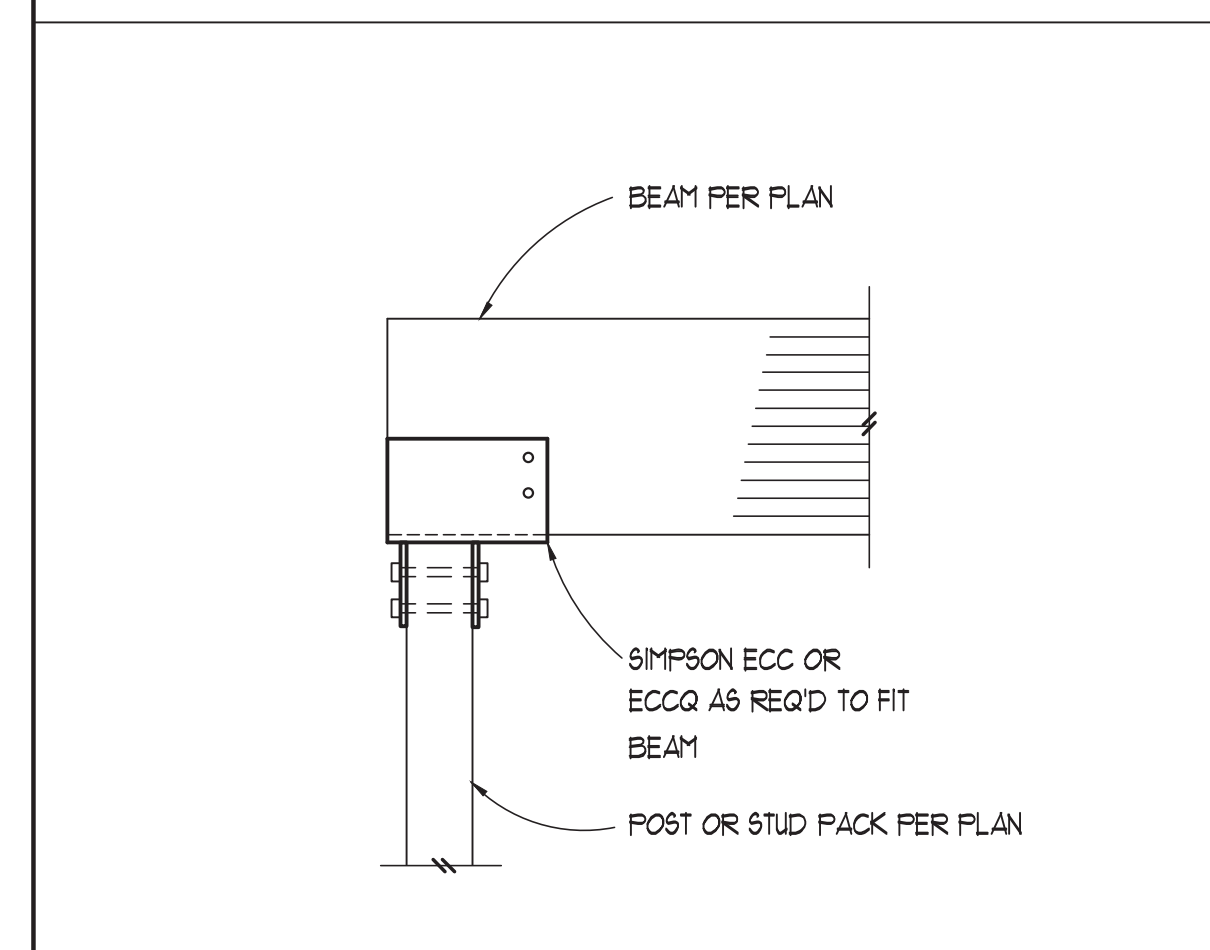


BEARING WALLS			NON-BEARING WALLS		
STUD SIZE	MAX. D ₁ (NOTCH)	MAX. D ₂ (NOTCH)	STUD SIZE	MAX. D ₁ (NOTCH)	MAX. D ₂ (NOTCH)
2x4	3/4"	1 1/4"	2x4	3/4"	2"
2x4	3/4"	1 1/4"	2x4	3/4"	2"
2x6	1 1/4"	2 1/4"	2x6	2 1/4"	3 1/4"
2x8	1 3/4"	3"	2x8	3"	4 1/4"

NOTE: HOLE AND NOTCH SIZE FOR NON-BEARING WALLS MAY BE USED FOR BEARING WALLS IF REQUIRED NUMBER OF STUDS ARE DOUBLED. THIS MAY ONLY BE USED AT TWO CONSECUTIVE STUDS IN ANY ONE WALL.

LABEL	APA RATED SHEATHING (1) (2) (4) (12) (13)	NAIL SIZE & SPACING @ EDGES (4) (5) (16)	STUD & BLOCKING SIZE AT ADJOINING EDGES (3) (6) (14)	RIM JOIST OR BLOCK CONNECTION TO TOP PLATE (1) (8)	2 X BOTTOM PLATE ATTACHMENT		SILL PLATE ATTACHMENT		PLF CAPACITY (ASD)
					NAILING TO WOOD BELOW (3)	ANCHOR BOLT TO CONCRETE BELOW (10) (15)	SILL PLATE SIZE AT FOUNDATION (11)		
U6	15/32" ONE SIDE	Ø148 x 2" @ 6" o.c.	3X	CLIP @ 24" o.c.	Ø162x 3-1/2" @ 5" o.c.	5/8" @ 48" o.c.	3X	310	
U4	15/32" ONE SIDE	Ø148 x 2" @ 4" o.c.	3X	CLIP @ 16" o.c.	Ø162x 3-1/2" @ 3" o.c.	5/8" @ 32" o.c.	3X	460	
U3	15/32" ONE SIDE	Ø148 x 2" @ 3" o.c.	3X	CLIP @ 12" o.c.	Ø162x 3-1/2" @ 2-1/2" o.c.	5/8" @ 24" o.c.	3X	600	
U2	15/32" ONE SIDE	Ø148 x 2" @ 2" o.c.	3X	CLIP @ 9" o.c.	Ø162x 3-1/2" @ 2" o.c.	5/8" @ 20" o.c.	3X	1100	
2U4 (2)	15/32" TWO SIDES	Ø148 x 2" @ 4" o.c.	3X	CLIP @ 8" o.c.	Ø162x 3-1/2" @ 3" o.c.	5/8" @ 16" o.c.	3X	920	
2U3 (2)	15/32" TWO SIDES	Ø148 x 2" @ 3" o.c.	3X	CLIP @ 6" o.c. EACH SIDE	(2) ROUS Ø162x 3-1/2" @ 2-1/2" o.c.	5/8" @ 12" o.c.	3X	1200	
2U2 (2)	15/32" TWO SIDES	Ø148 x 2" @ 2" o.c.	3X	CLIP @ 3" o.c. EACH SIDE	(2) ROUS Ø162x 3-1/2" @ 2" o.c.	5/8" @ 10" o.c.	3X	1540	

- NOTES:
- INSTALL PANELS EITHER HORIZONTALLY OR VERTICALLY. INSTALL PANELS DIRECTLY TO WALL STUDS.
 - WHERE SHEATHING IS APPLIED ON BOTH SIDES OF WALL, PANEL EDGE JOINTS ON 2X OR 3X FRAMING SHALL BE STAGGERED SO THAT JOINTS ON THE OPPOSITE SIDES ARE NOT LOCATED ON THE SAME STUDS.
 - BLOCKING IS REQUIRED AT ALL PANEL EDGES.
 - PROVIDE SHEAR WALL SHEATHING AND NAILING FOR THE ENTIRE LENGTH OF THE WALLS INDICATED ON THE PLANS. ENDS OF FULL HEIGHT WALLS ARE DESIGNATED BY EXTERIOR OF THE BUILDING, CORRIDORS, WINDOWS, OR DOORWAYS OR AS DESIGNATED ON PLANS. SEE PLANS FOR HOLD-DOWN REQUIREMENTS.
 - SHEATHING EDGE NAILING IS REQUIRED AT ALL HOLD-DOWN POSTS. EDGE NAILING MAY ALSO BE REQUIRED TO EACH STUD USED IN BUILT-UP HOLD-DOWN POSTS. REFER TO THE HOLD-DOWN DETAILS FOR ADDITIONAL INFORMATION.
 - INTERMEDIATE FRAMING TO BE WITH 1X MINIMUM MEMBERS. FIELD NAILING 12" O.C.
 - BASED ON Ø131 X 1-1/2" LONG NAILS USED TO ATTACH FRAMING CLIPS DIRECTLY TO FRAMING. USE Ø131 X 2-1/2" NAILS WHERE INSTALLED OVER SHEATHING.
 - FRAMING CLIPS: A35 OR LTP5 OR APPROVED EQUIVALENT.
 - WHERE PLATE ATTACHMENT SPECIFICS (2) ROUS OF NAILS, PROVIDE DOUBLE JOIST, RIM OR EQUAL. ATTACH PER DETAILS.
 - ANCHOR BOLTS SHALL BE PROVIDED WITH STEEL PLATE WASHERS 1/4" X 3" X 3". USE SHORT SLOTTED WASHERS AT 2x6 (OR LARGER) WALLS AND EXTEND WASHER TO WITHIN 1/2" OF FACE OF WALL SHEATHING. STAGGER ANCHOR BOLT WASHERS AT WALLS WITH SHEATHING AT BOTH FACES. EMBED ANCHOR BOLTS 1" MINIMUM INTO THE CONCRETE.
 - PRESSURE TREATED MATERIAL CAN CAUSE EXCESSIVE CORROSION IN THE FASTENERS. PROVIDE HOT-DIPPED GALVANIZED (ELECTRO-PLATING IS NOT ACCEPTABLE) NAILS AND CONNECTOR PLATES (FRAMING ANGLE, ETC.) FOR ALL CONNECTORS IN CONTACT WITH PRESSURE TREATED FRAMING MEMBERS.
 - 1/16" APA RATED SHEATHING (OSB) MAY BE USED IN PLACE OF 15/32" SHEATHING PROVIDED THAT ALL STUDS ARE SPACED AT 16" O.C.
 - AT ADJOINING PANEL EDGES, (2) 2X STUDS NAILED TOGETHER MAY BE USED IN PLACE OF A SINGLE 3X STUD. DOUBLE 2X STUDS MAY BE CONNECTED TOGETHER BY NAILING THE STUDS TOGETHER WITH 3" LONG NAILS OF THE SAME SPACING AND DIAMETER AS THE PLATE NAILING.
 - CONTACT THE ENGINEER OF RECORD FOR ADHESIVE OR EXPANSION BOLT ALTERNATIVES TO CAST-IN-PLACE ANCHOR BOLTS. (SPECIAL INSPECTION MAY BE REQUIRED.)
 - MINIMUM NAIL LENGTH IS BASED ON REQUIRED PENETRATION INTO FRAMING MEMBER OF 1 1/2".



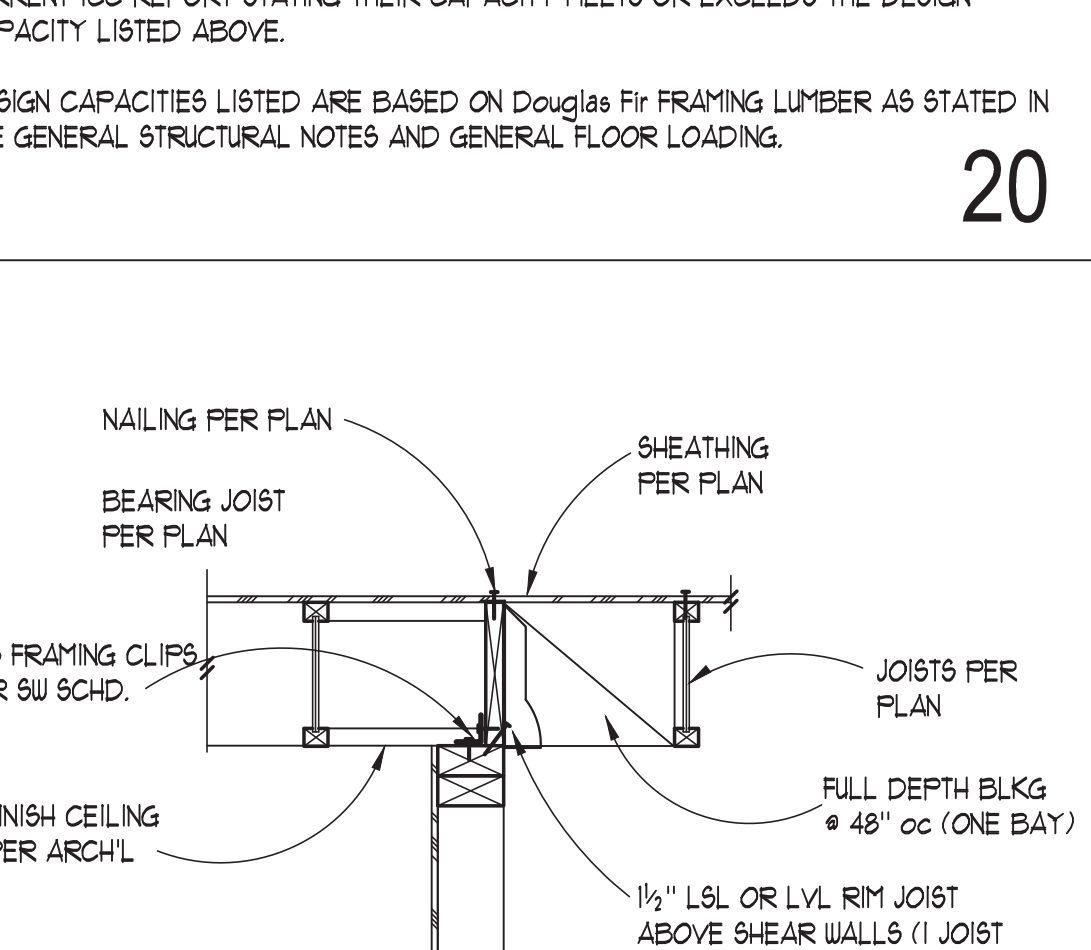
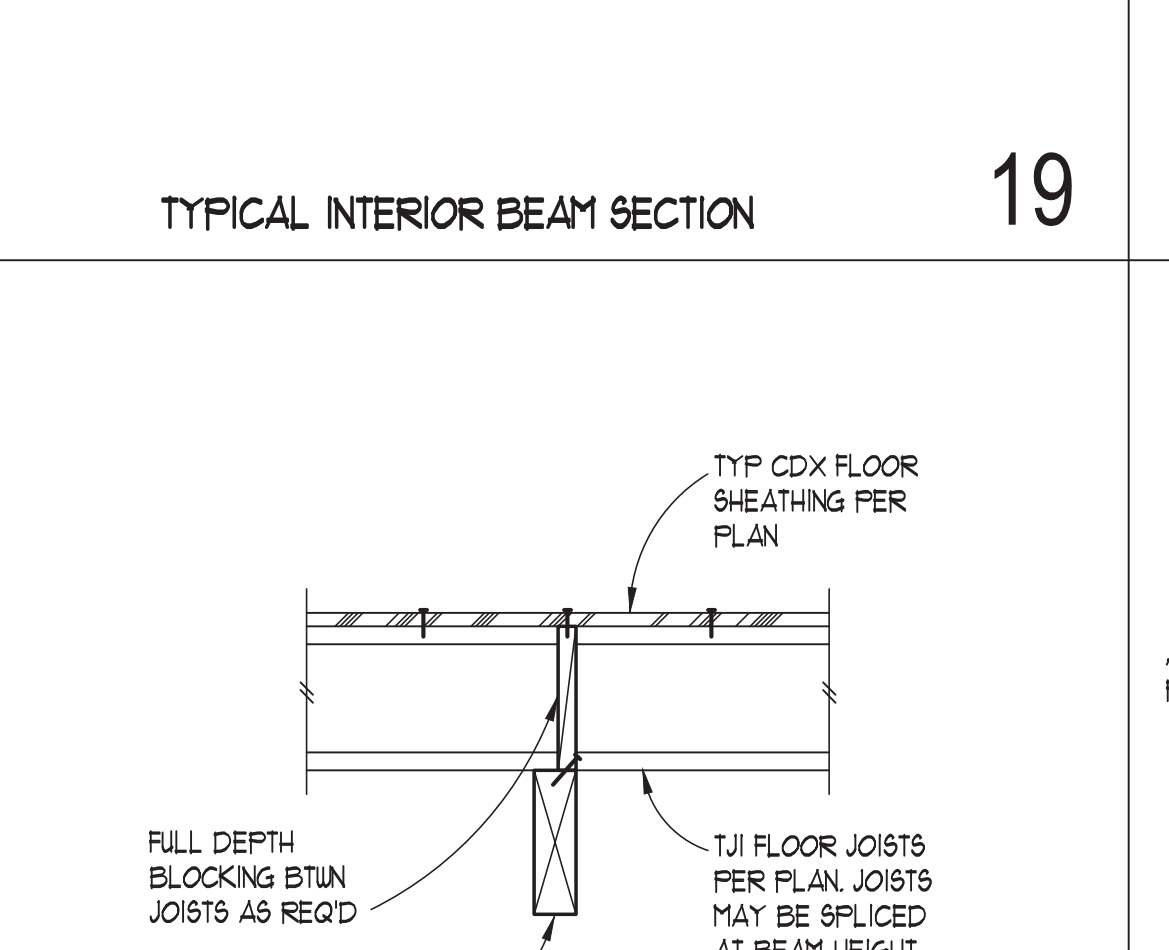
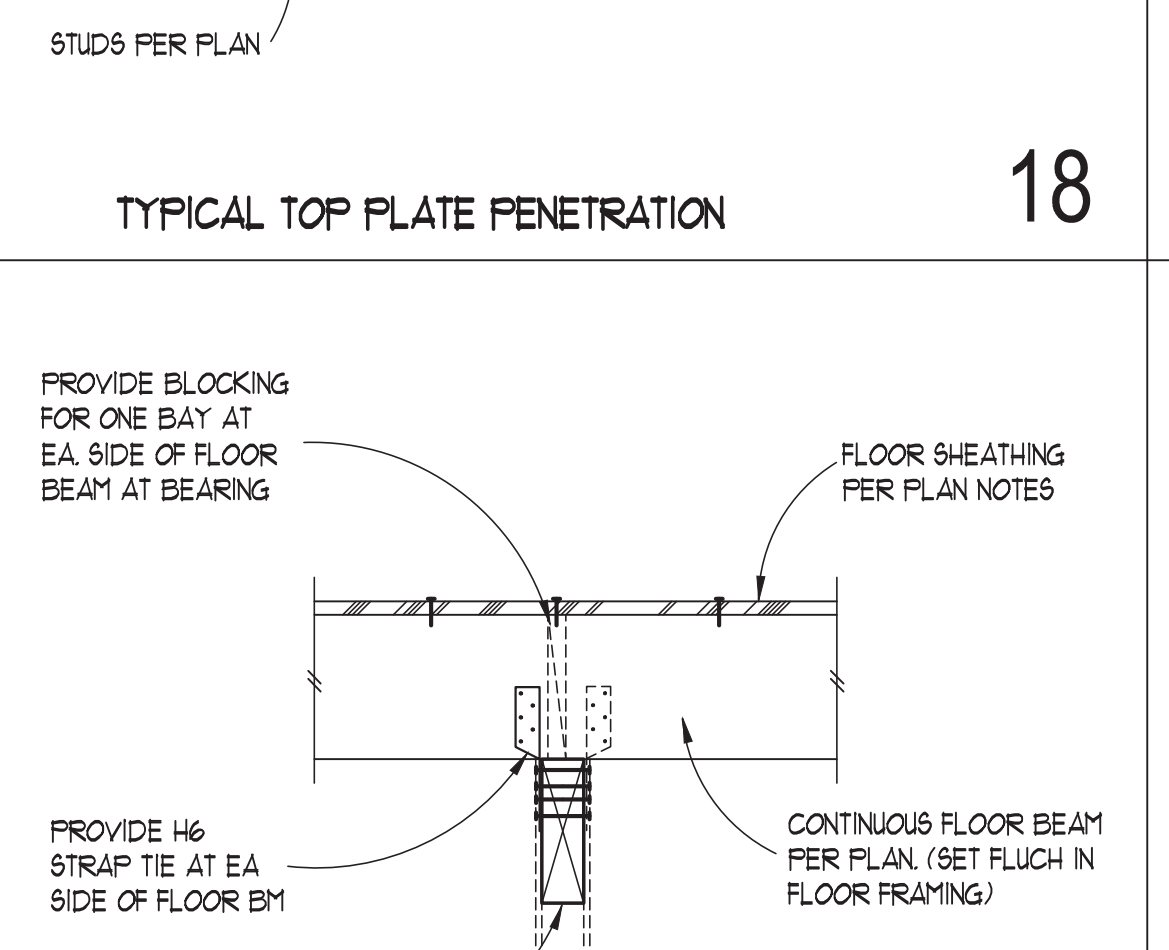
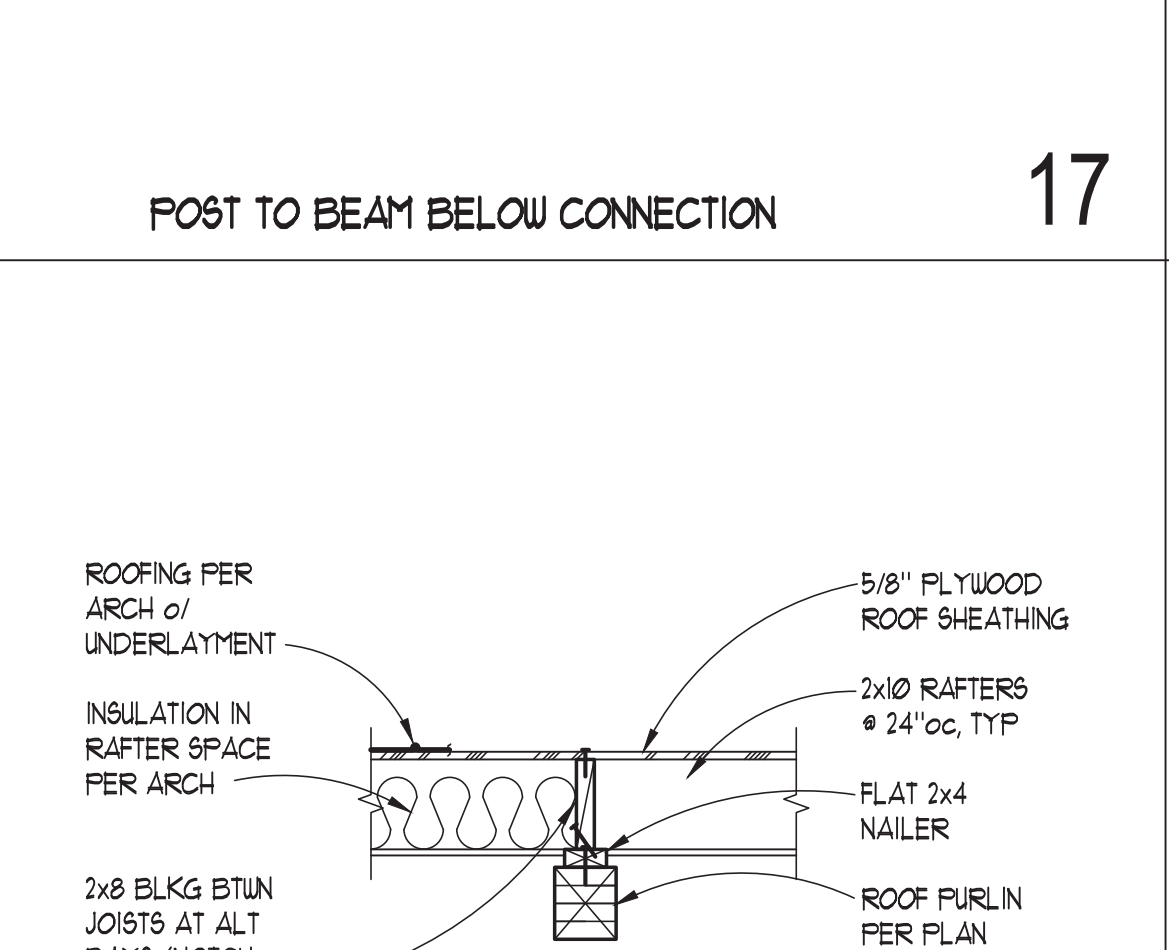
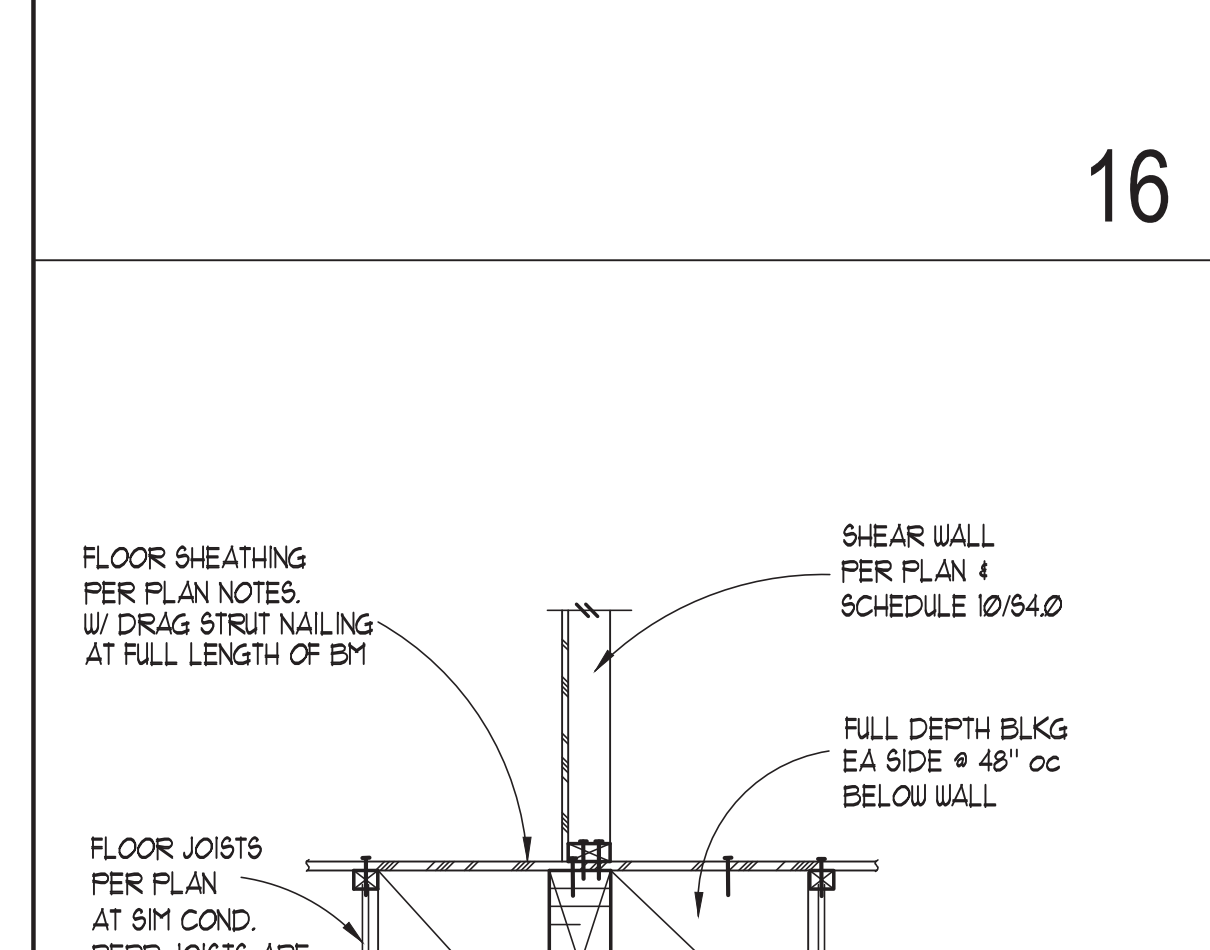
TYPICAL HANGER SCHEDULE

BEAM SIZE	HANGER REQUIRED	CAP. (Klbs)
(2) 2x10 OR LESS	HD2-1 (OR S1)	186
(2) 2x12	HD2-2 (NAIL ALL HOLES)	235
3 1/2" x 11 1/2" LVL OR PBL	HUC240-SD5	556
5 1/2" x 11 1/2" LVL OR PBL	HGUS50/12	915
5 1/2" x 12" (OR 10 1/2" x 12") GLB	GLT5	816
3 1/2" x 12" (OR 10 1/2" x 12") GLB	GLT3	816
6 1/2" x 12" GLB	LEG1	163
4x10 or 4x12 BM	HUC240-SD5	331
6x10 or 6x12 BM	HUC260-SD5	331
GL 5 1/2" x 12" PURLINS	HUC66	154
11 1/2" or 9 1/2" I-JOISTS	ITS SERIES HANGER	145
1 1/2" x 6" LVL	HJ1	118
3 1/2" x 6" LVL	HJ1/5	238

HANGERS SPECIFIED IN SCHEDULE OR ON PLANS ARE MANUFACTURED BY SIMPSON STRONG TIE, INC. UNLESS OTHERWISE NOTED. CAPACITIES ARE BASED ON THE MOST RECENT CATALOGUE AND ICC REPORTS FOR THE MODELS LISTED.

ALTERNATE HANGERS MAY BE SUBSTITUTED AT THE CONTRACTOR OR OWNER'S OPTION, PROVIDED THEY ARE APPROVED BY THE ENGINEER OF RECORD AND HAVE A CURRENT ICC REPORT STATING THEIR CAPACITY MEETS OR EXCEEDS THE DESIGN CAPACITY LISTED ABOVE.

DESIGN CAPACITIES LISTED ARE BASED ON Douglas Fir FRAMING LUMBER AS STATED IN THE GENERAL STRUCTURAL NOTES AND GENERAL FLOOR LOADING.



LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

PROJECT NO.: 191968-1
E.O.R.: Mark Spidel
DESIGNED: MTS
DRAWN: KPH

ISSUE DATE
PERMIT SET 12-18-2020

REVISIONS DATE
PERMIT REV 06/03/21
PERMIT REV 07/05/21
PERMIT REV 07/23/21
PERMIT REV 08/03/21
M.I. PERMIT REV 08/20/21
CD SET REV 12/10/21

SHEET NO.
S4.0

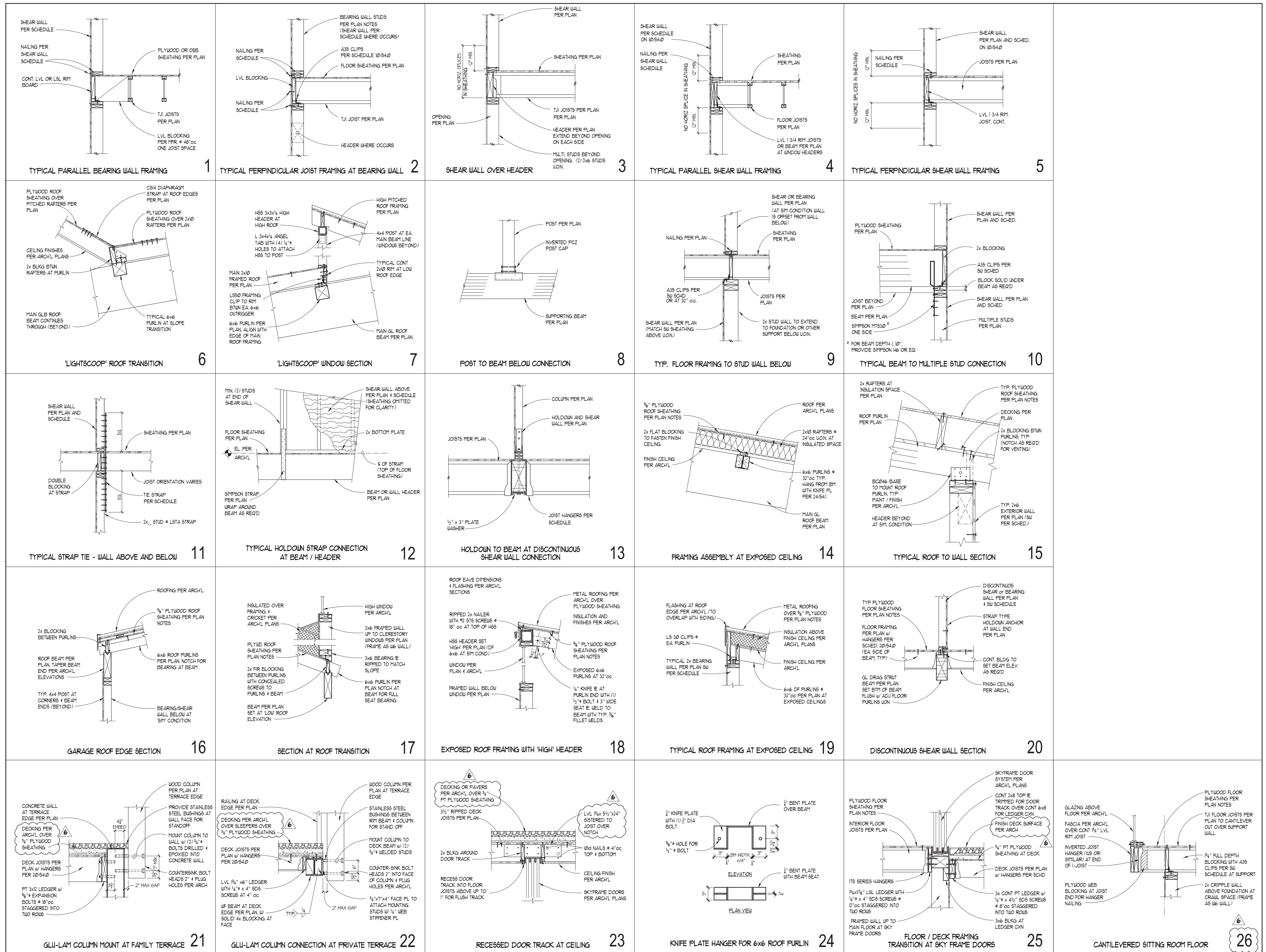
REVIEW

12-10-21 CD SET

TITLE
TYPICAL WOOD FRAMING DETAILS AND SCHEDULES

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

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ILG
I.L. GROSS
STRUCTURAL
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MARK T. SHREIBER
REGISTERED PROFESSIONAL ENGINEER
12/2021

LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

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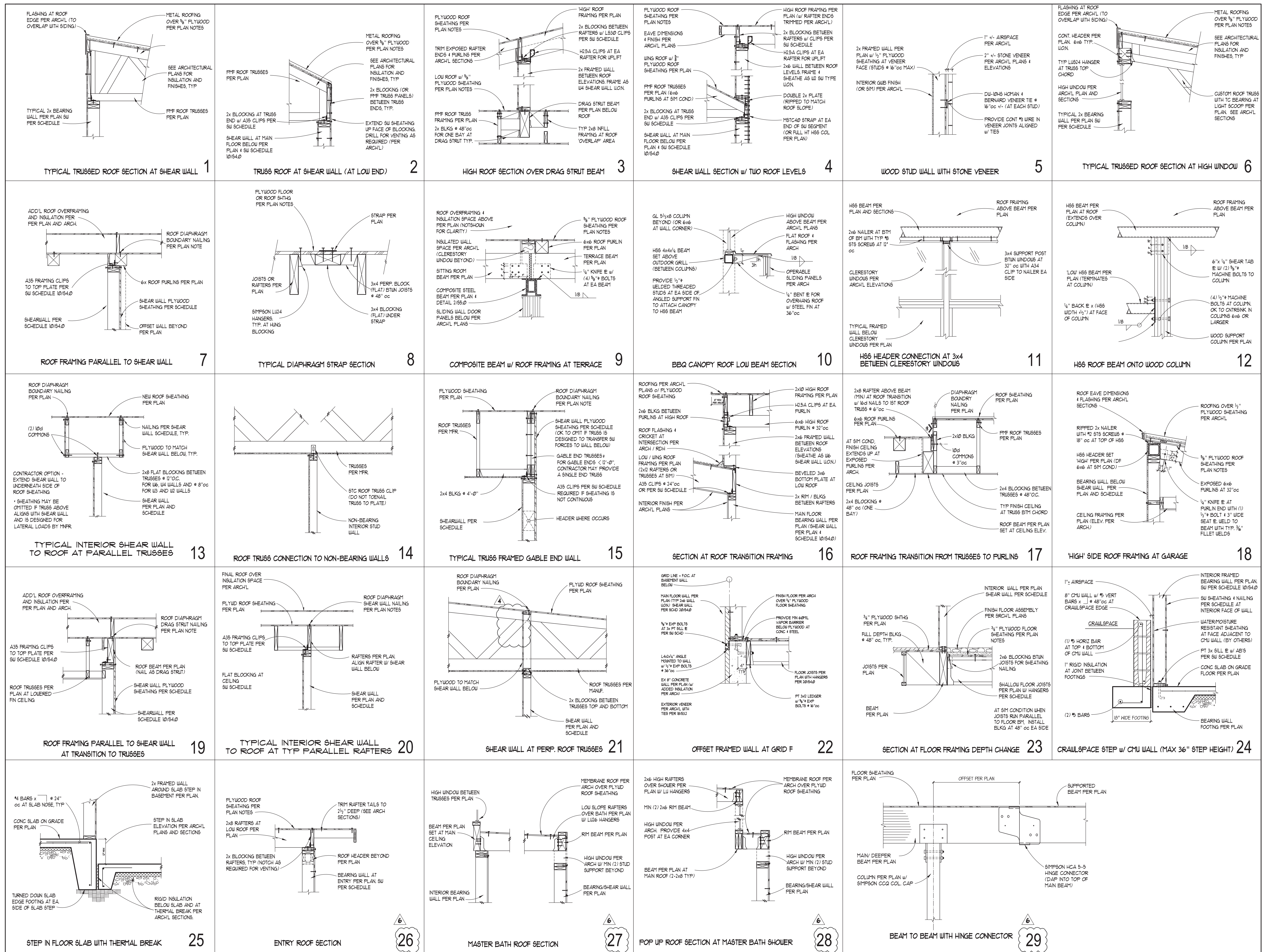
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DESIGNED: MTS
DRAWN: KPH

ISSUE DATE
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REVISIONS DATE
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 PERMIT REV 07/23/21
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 CD SET REV 12/10/21

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S4.1

REVIEW



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12/2021

PROFESSIONAL ENGINEER

12-10-21 CD SET

LAKE HOUSE
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 MERCER ISLAND, WA 98040

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WOOD FRAMING SECTION DETAILS

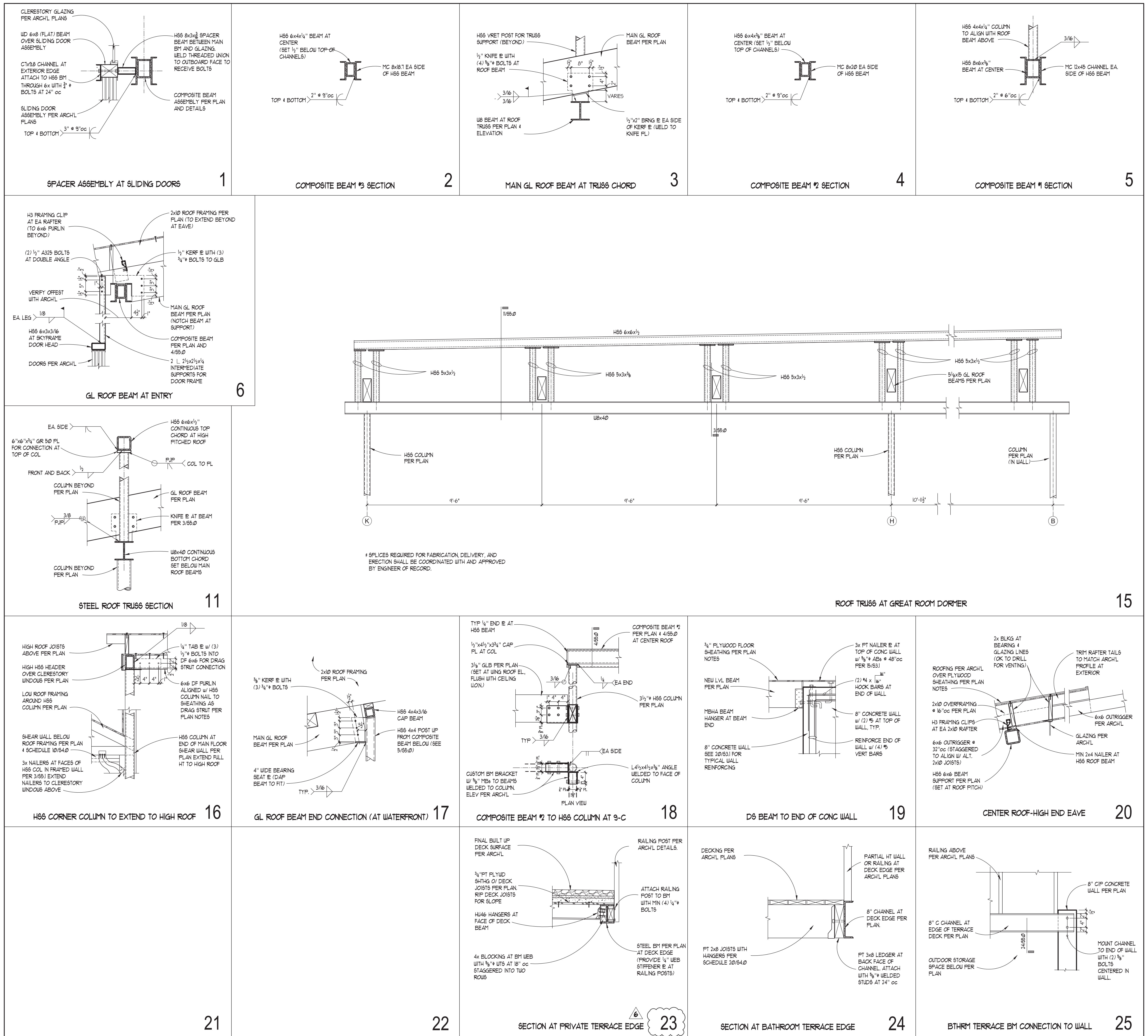
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 DESIGNED: MTS
 DRAWN: KPH

ISSUE DATE
 PERMIT SET 12-18-2020

REVISIONS	DATE
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PERMIT REV 07/05/21	
PERMIT REV 07/23/21	
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PERMIT REV 08/20/21	
CD SET REV 12/19/21	

SHEET NO.
S4.2

REVIEW



LAKE HOUSE
 3310 97TH AVE SE
 MERCER ISLAND, WA 98040

BUILDING PERMIT SUBMITTAL
 DECEMBER 18, 2020

PROJECT NO.: 191998.1
 E.O.R.: Mark Speidel
 DESIGNED: MTS
 DRAWN: KPH

ISSUE DATE: PERMIT SET 12-18-2020

REVISIONS DATE:
 PERMIT REV 06/03/21
 PERMIT REV 07/05/21
 PERMIT REV 07/23/21
 PERMIT REV 08/03/21
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 CD SET REV 12/19/21

SHEET NO. **S5.0**

REVIEW

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BEAM SIZE	SPAN C TO C	NO. OF BOLTS	BOLT SIZE	PLATE THICKNESS	WELD SIZE
W8, W10	ALL	2	3/4"	1/4"	1/4"
W12	ALL	3	3/4"	5/16"	1/4"
W14	ALL	3	3/4"	5/16"	1/4"
W16	ALL	4	3/4"	3/8"	5/16"
W8	ALL	4	3/4"	3/8"	5/16"

† BOLT TYPE = A325X
E MATERIAL = A36

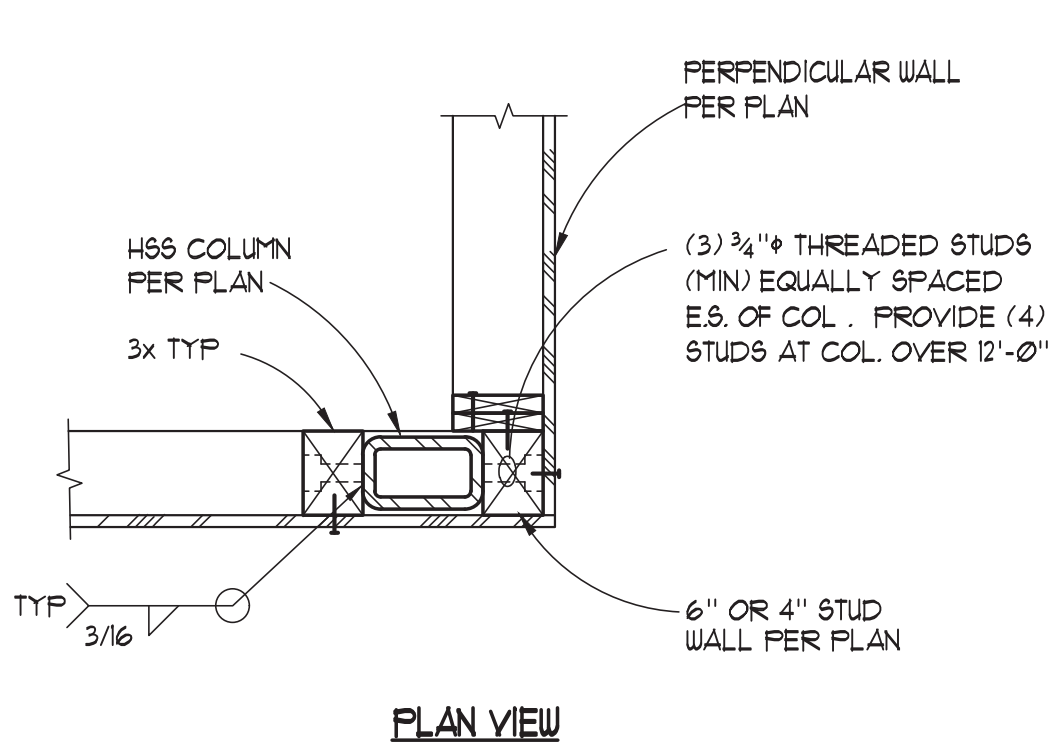
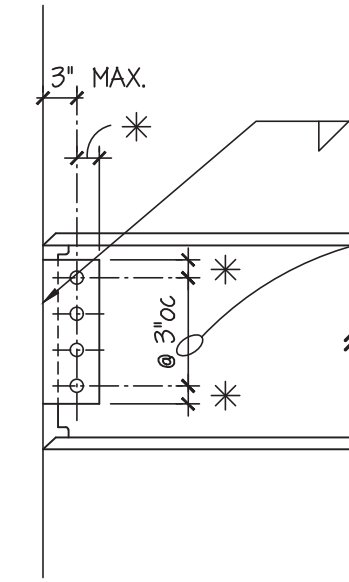
NOTE:
SEE MOMENT FRAME DETAILS AND ELEVATIONS FOR FRAME BEAM TO COLUMN CONNECTIONS

TYPICAL SECTION

* 1/2" AT 3/4" BOLTS

BEAM TO SUPPORTING BEAM (OR COLUMN) TYP. SHEAR CONNECTION SCHEDULE

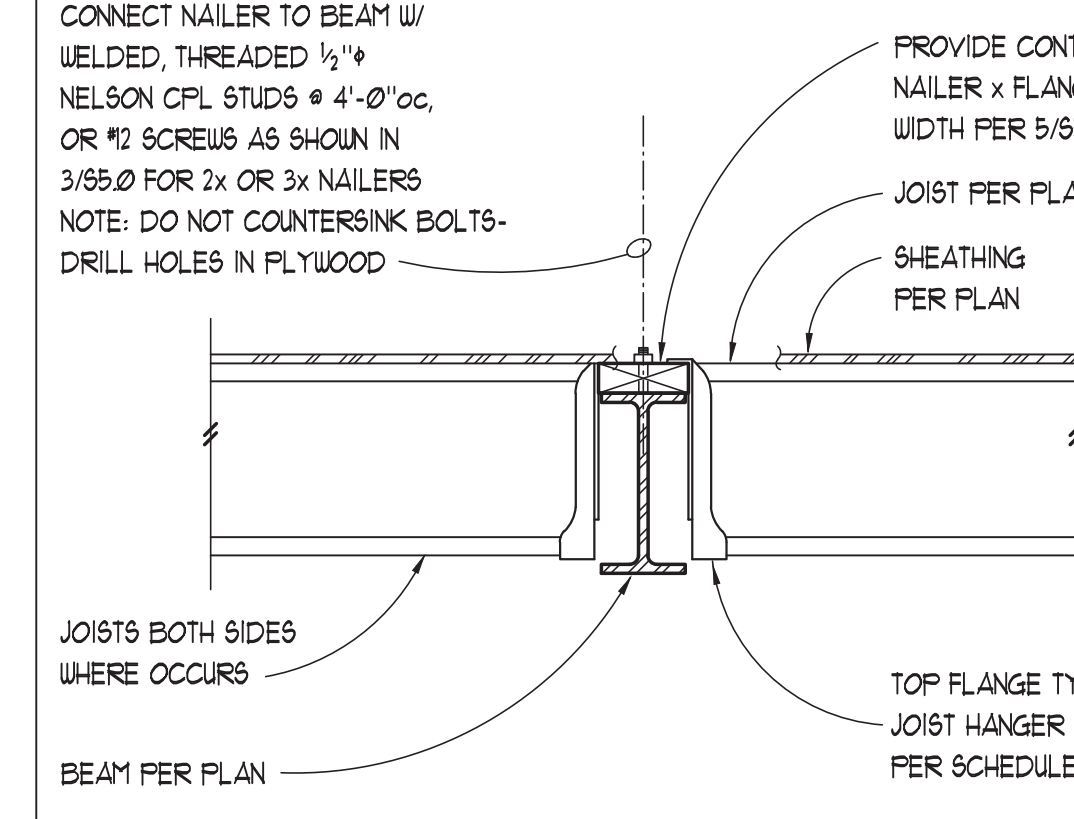
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PLAN VIEW

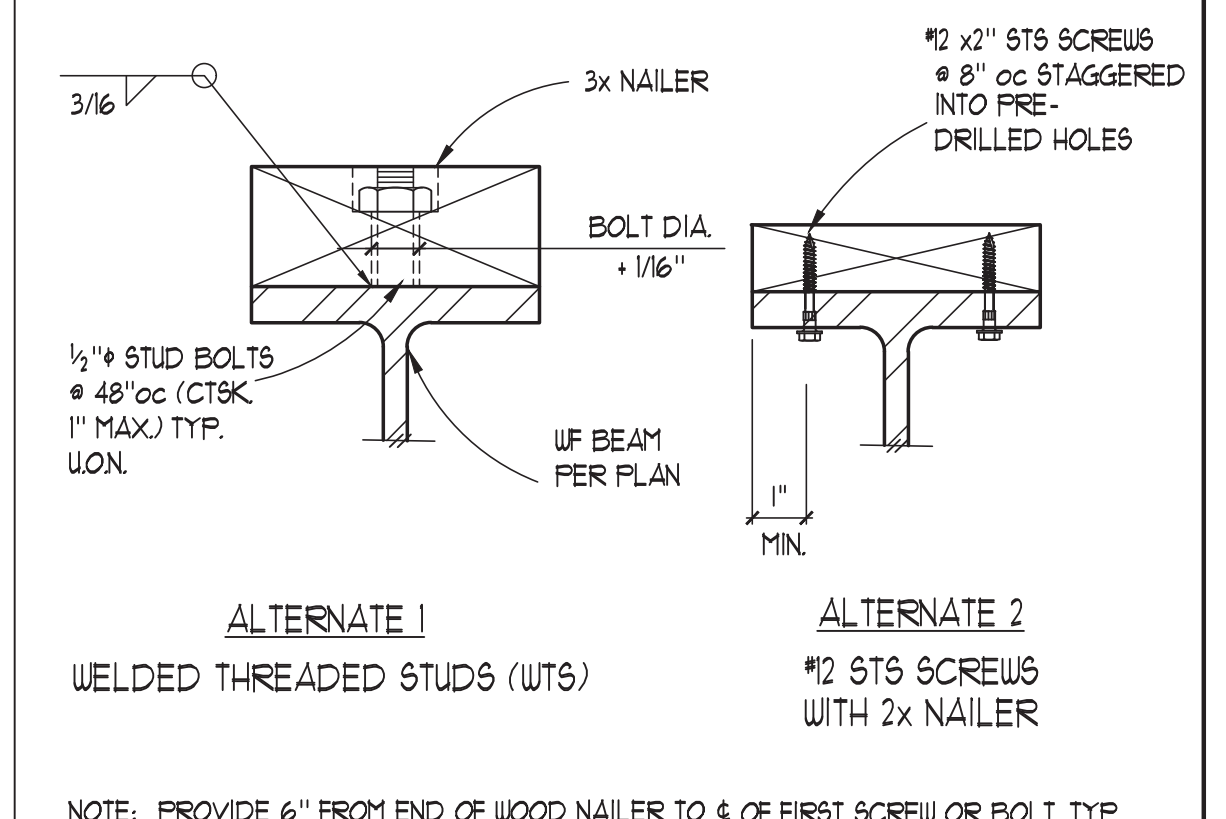
TUBE STEEL AT STUD WALL CORNER

3



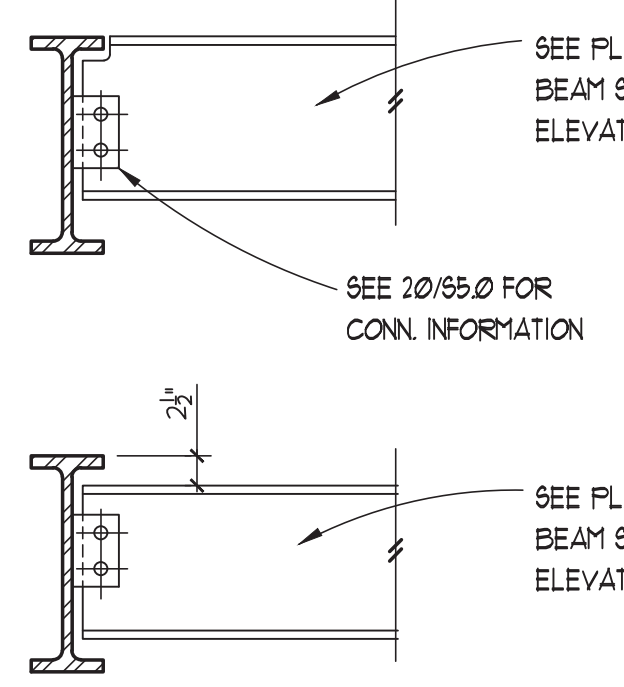
TYPICAL STEEL BEAM IN FLOOR FRAMING

4



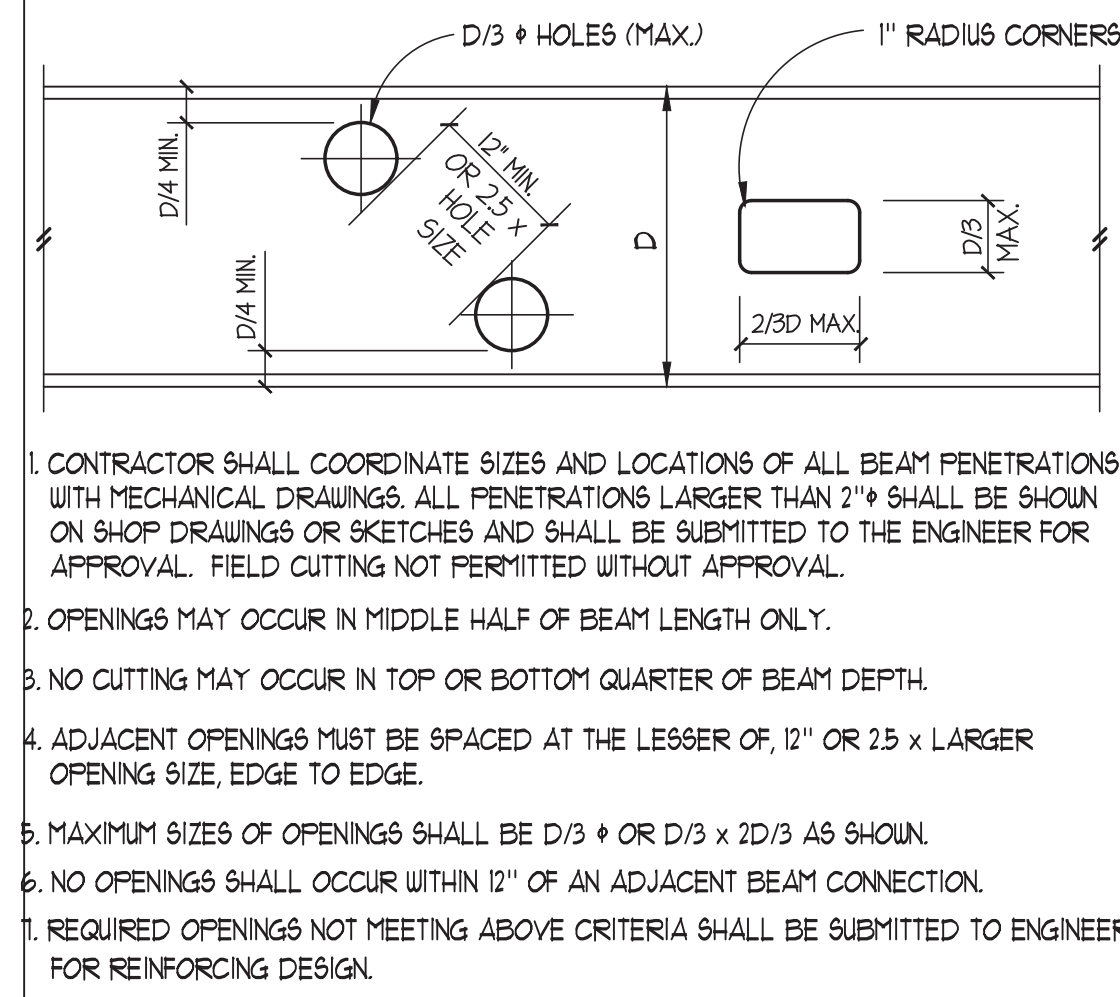
TYPICAL NAILER ON WIDE FLANGE BEAMS

5



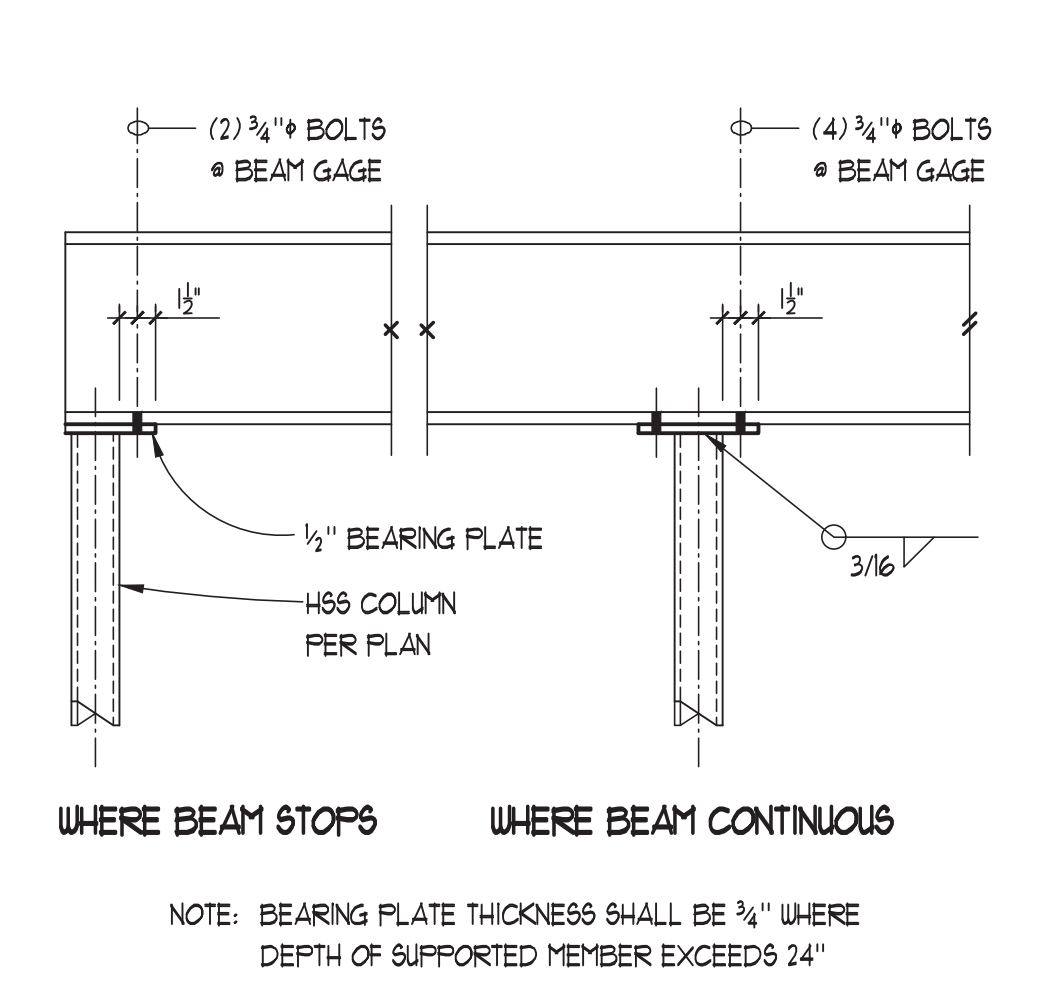
TYPICAL STEEL BM TO STEEL BM CONNECTION

6



EMBED PLATE SCHEDULE FOR CONCRETE AND MASONRY WALLS

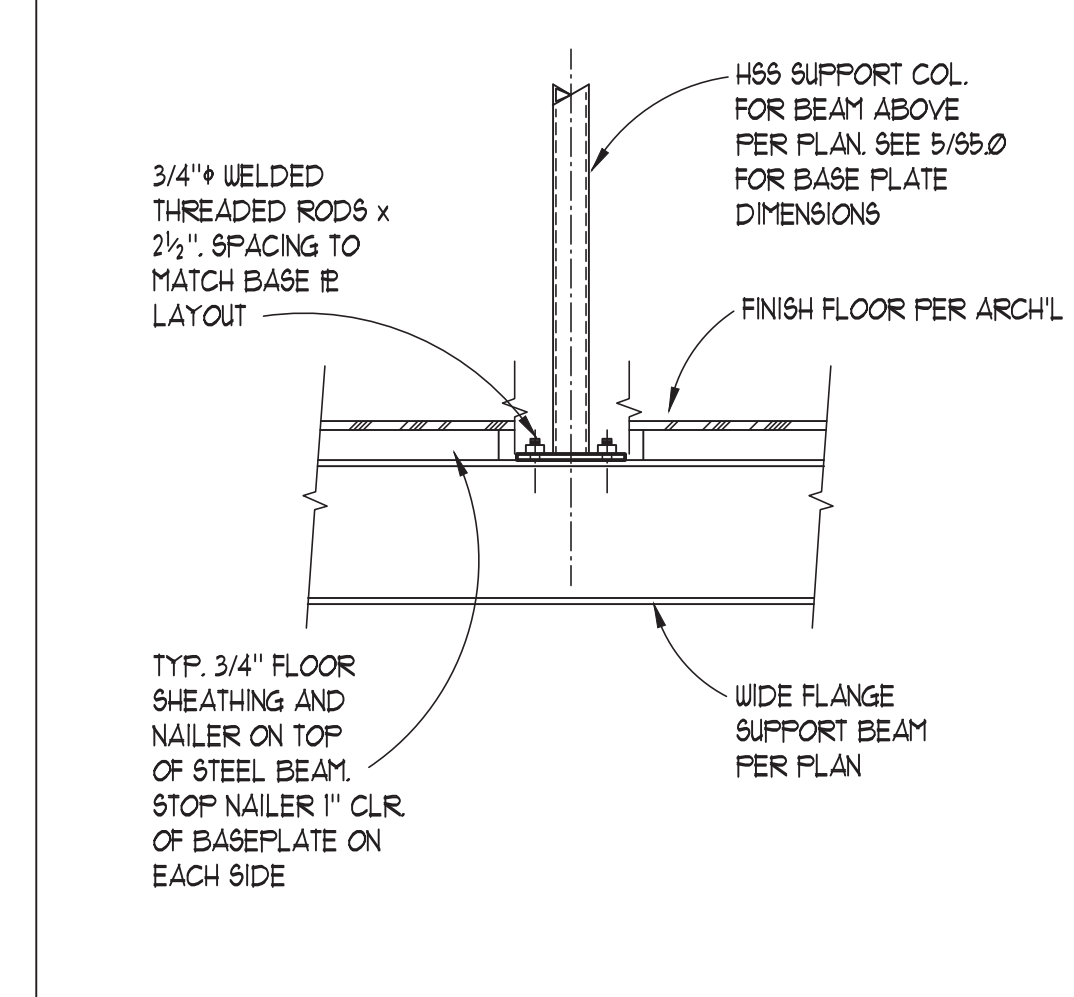
12



WHERE BEAM STOPS WHERE BEAM CONTINUOUS

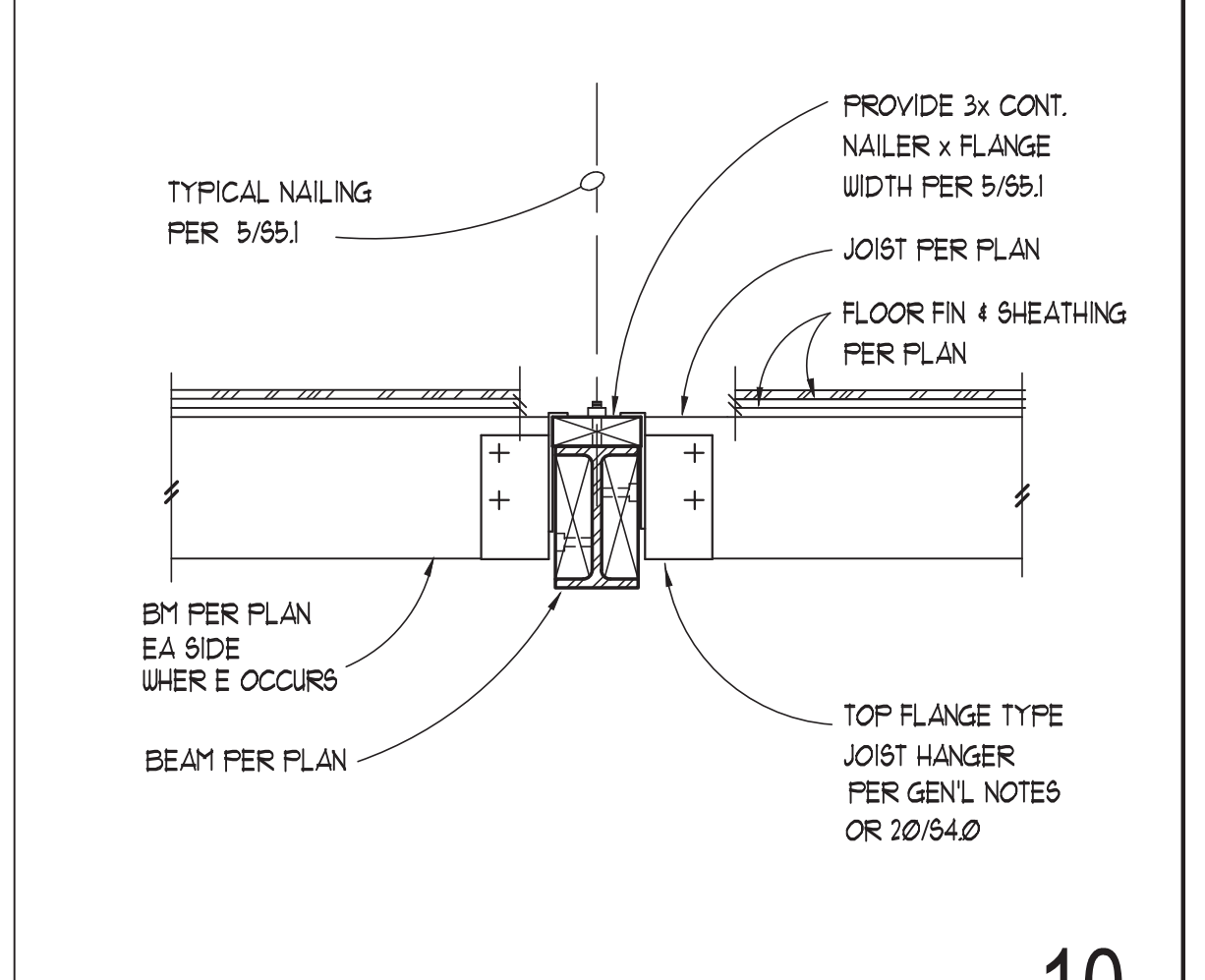
HSS COLUMN ONTO BEAM

8



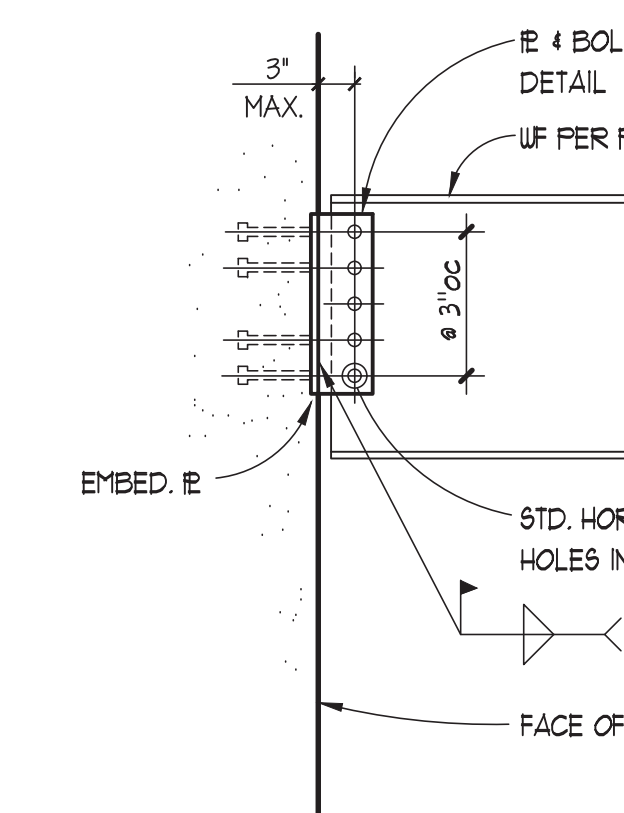
HSS COLUMN ONTO BEAM

9



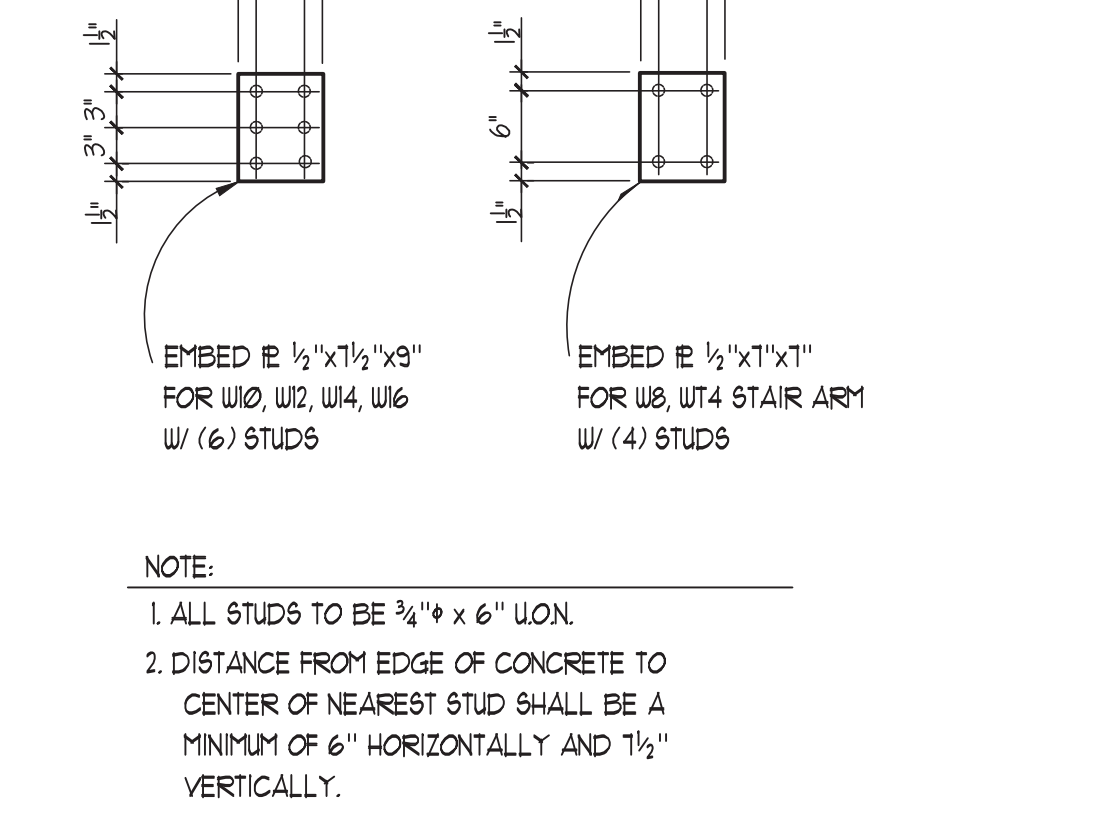
TYPICAL WOOD BEAMS HUNG FROM (FLUSH) STEEL BM

10



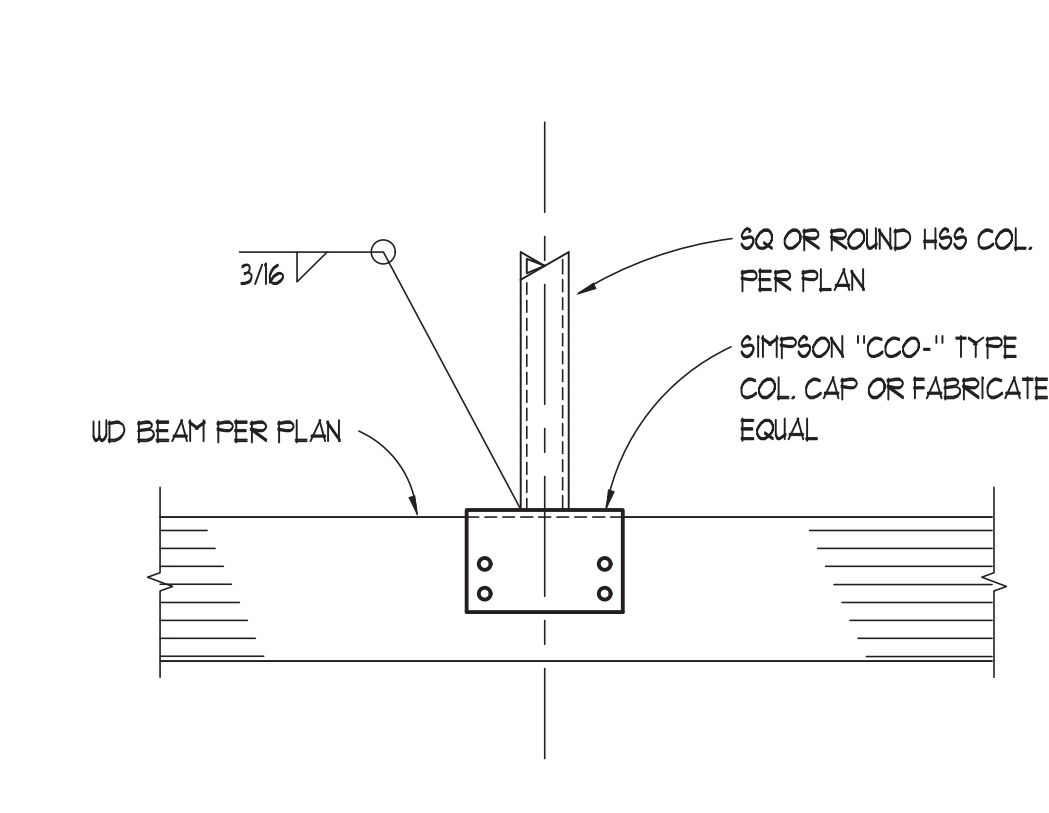
HSS BEAM SECTION AT WINDOWS

16



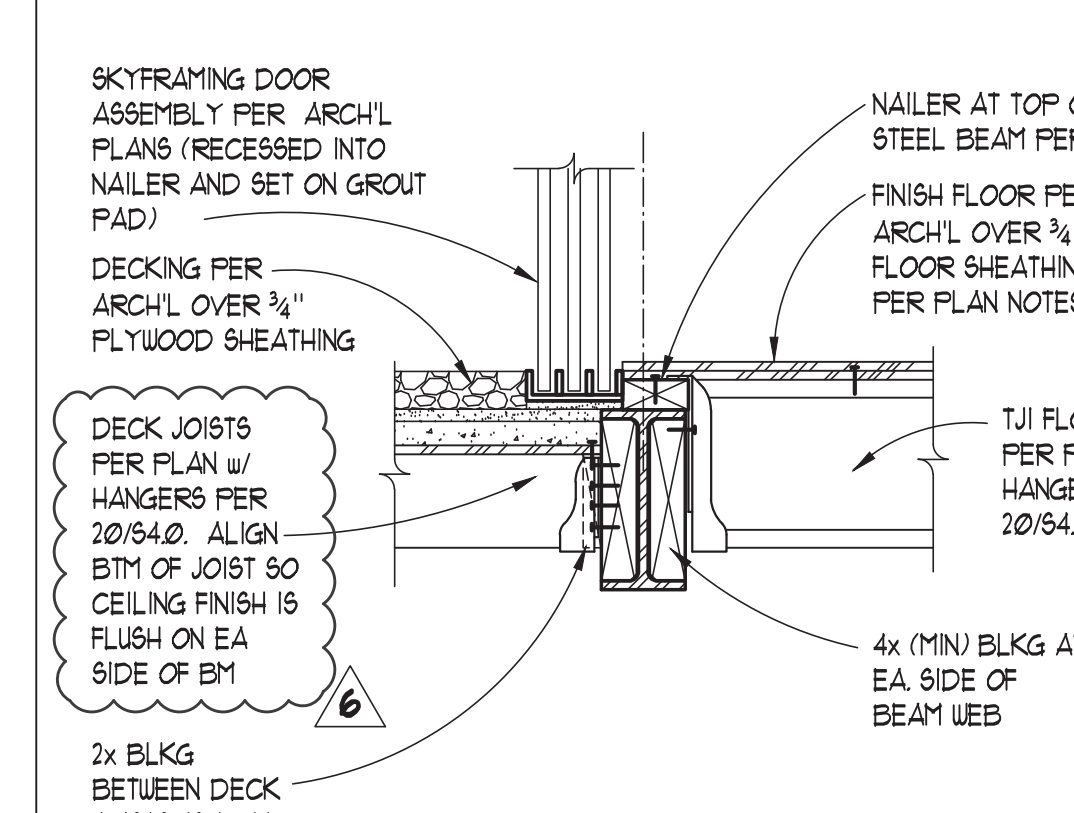
WOOD BEAM TO STEEL COLUMN W/ KERF FL. CONN.

17



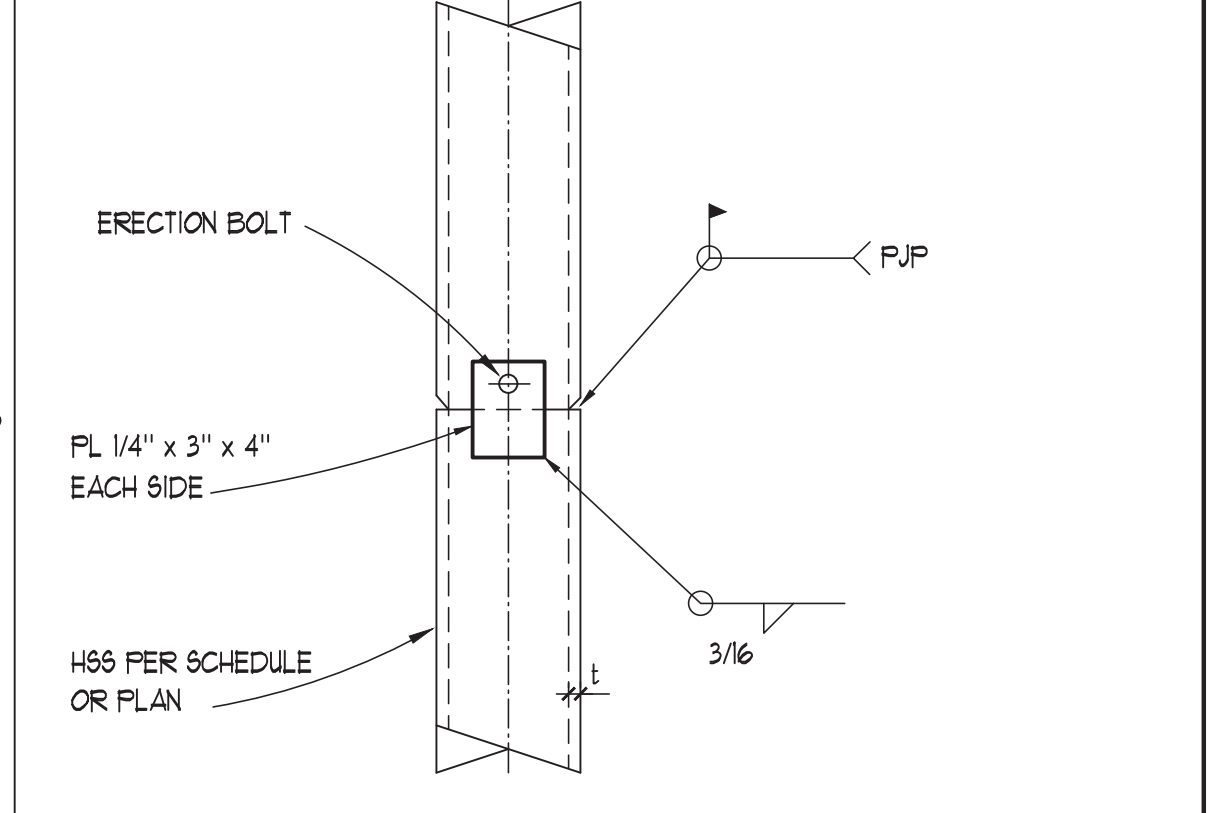
BEAM TO BEAM AND COLUMN CONN. AT DEPTH CHANGE

18



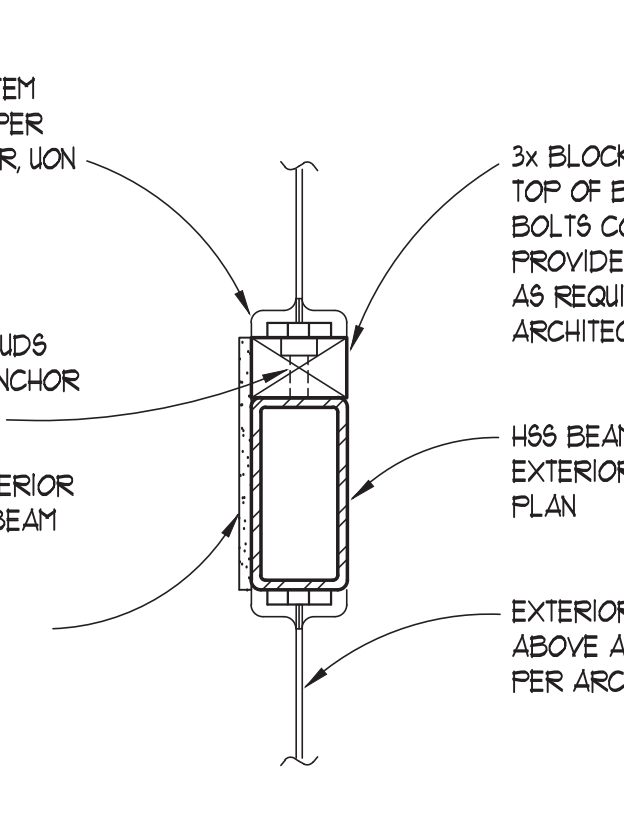
NEW STEEL BEAM TO EX. CONC. WALL

19



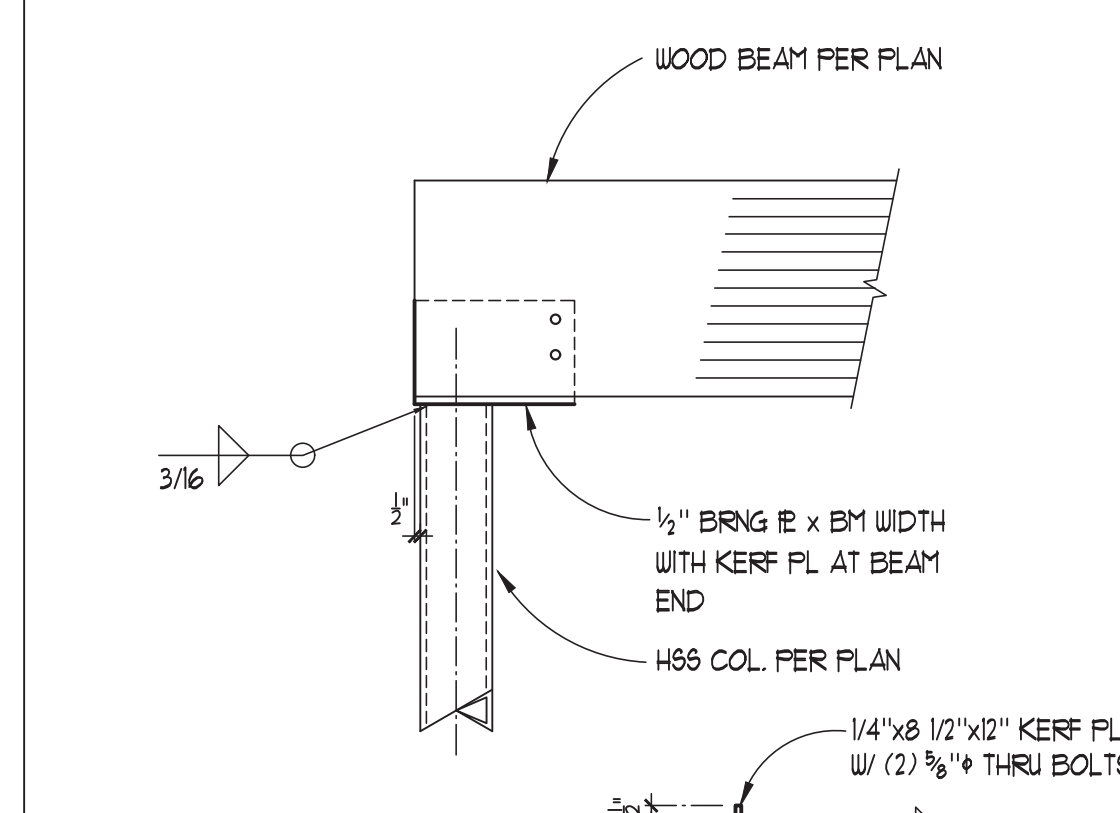
TYPICAL BASEPLATE AT TUBE COLUMNS

20



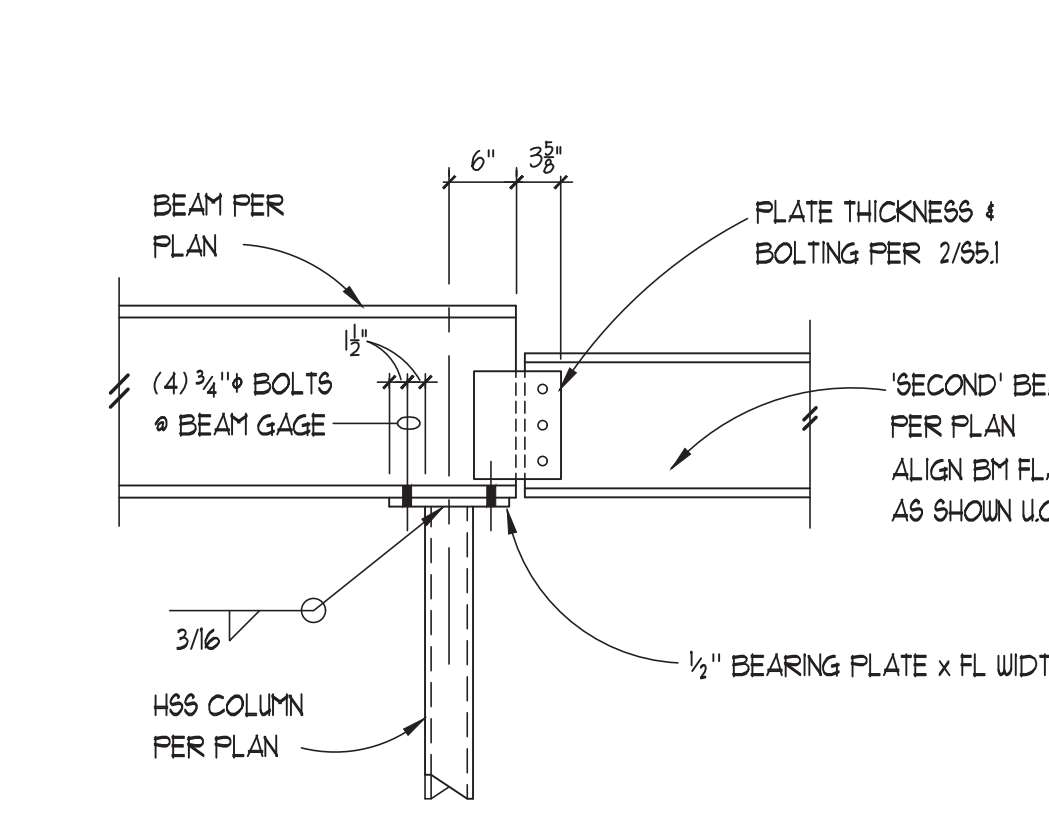
HSS BEAM SECTION AT WINDOWS

16



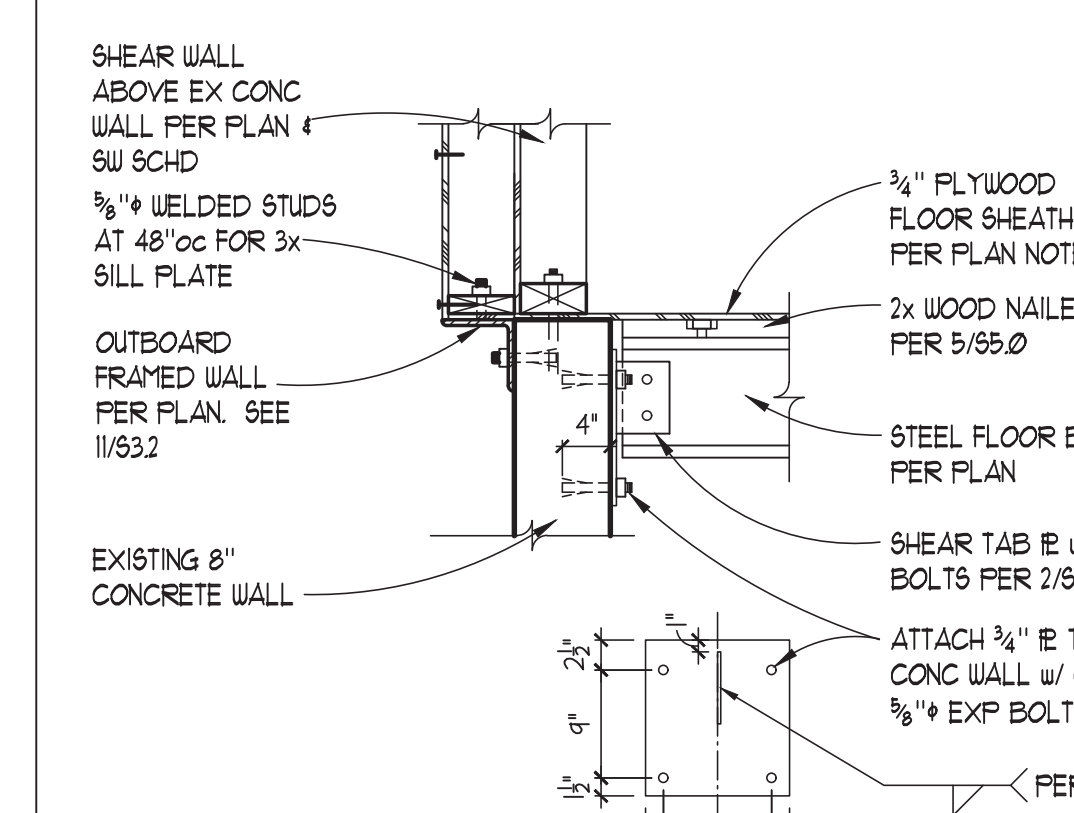
WOOD BEAM TO STEEL COLUMN W/ KERF FL. CONN.

17



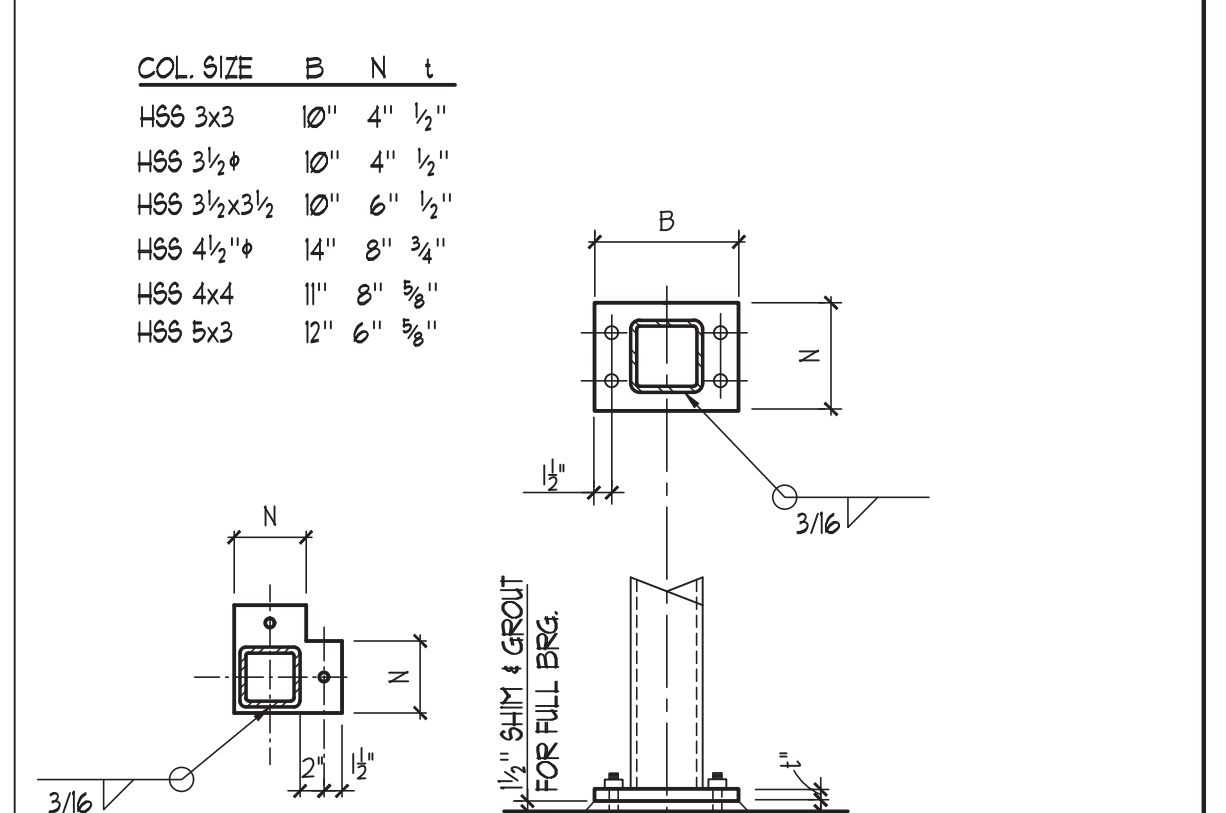
BEAM TO BEAM AND COLUMN CONN. AT DEPTH CHANGE

18



NEW STEEL BEAM TO EX. CONC. WALL

19



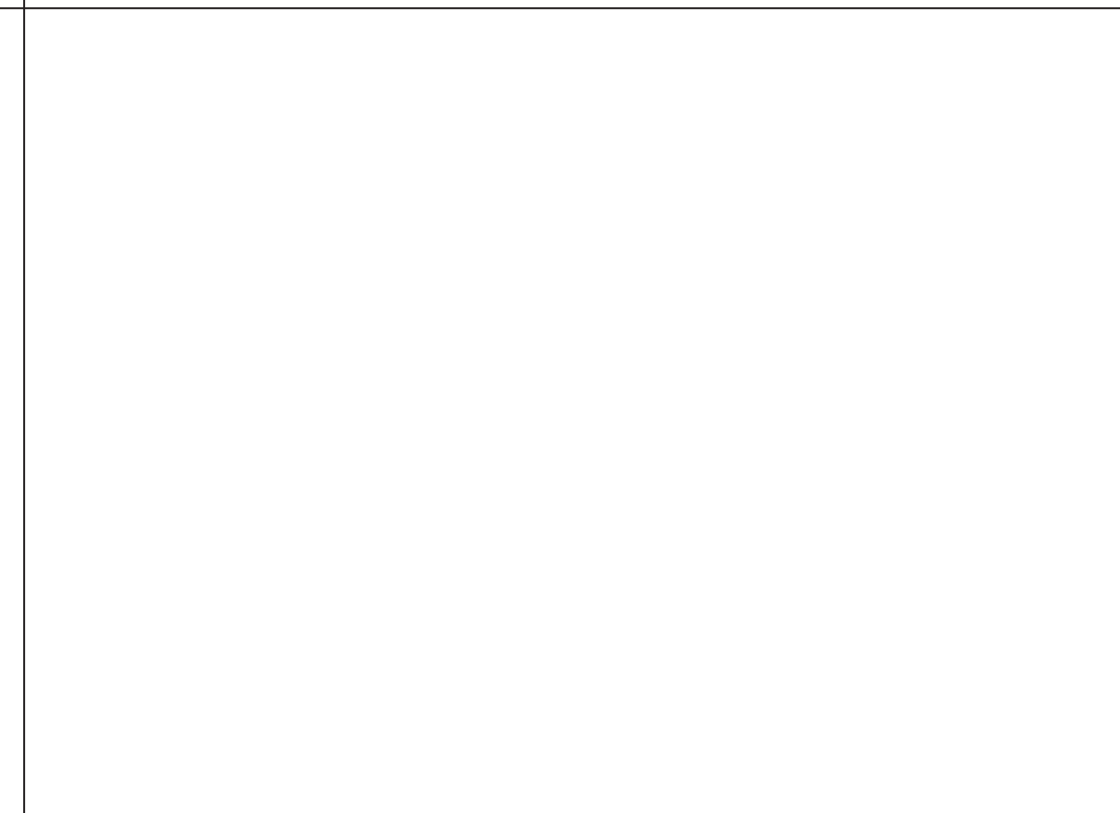
TYPICAL BASEPLATE AT TUBE COLUMNS

20



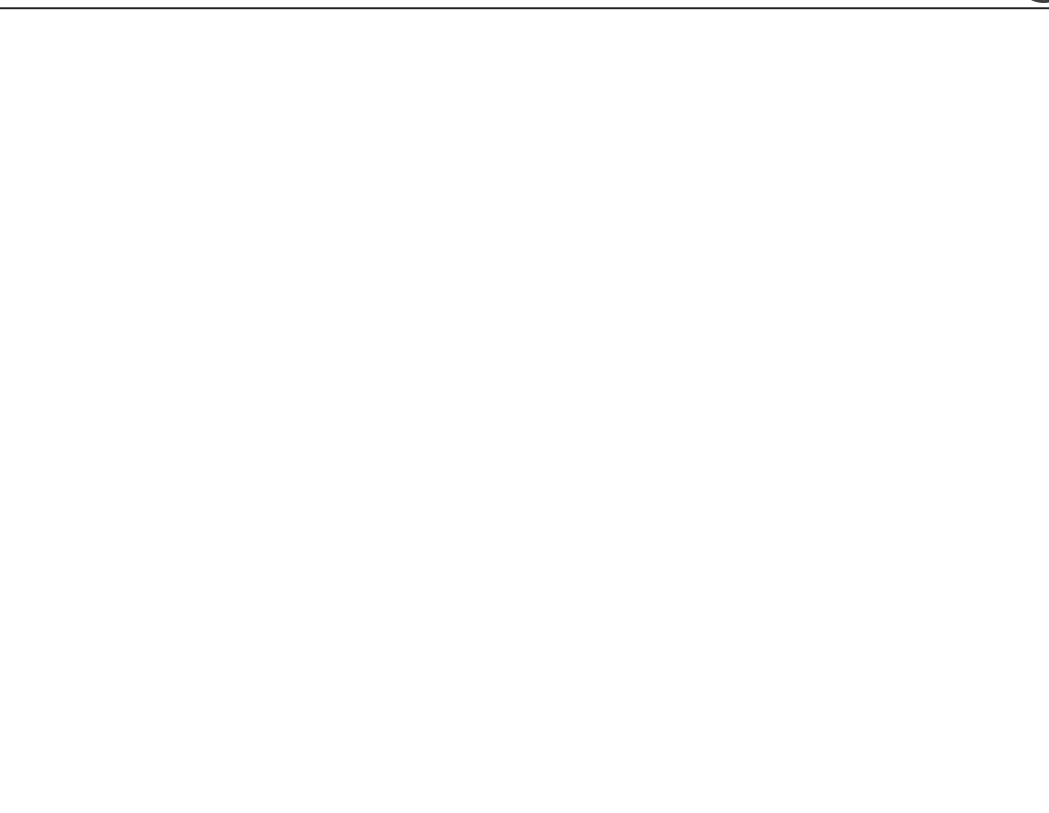
HSS BEAM SECTION AT WINDOWS

21



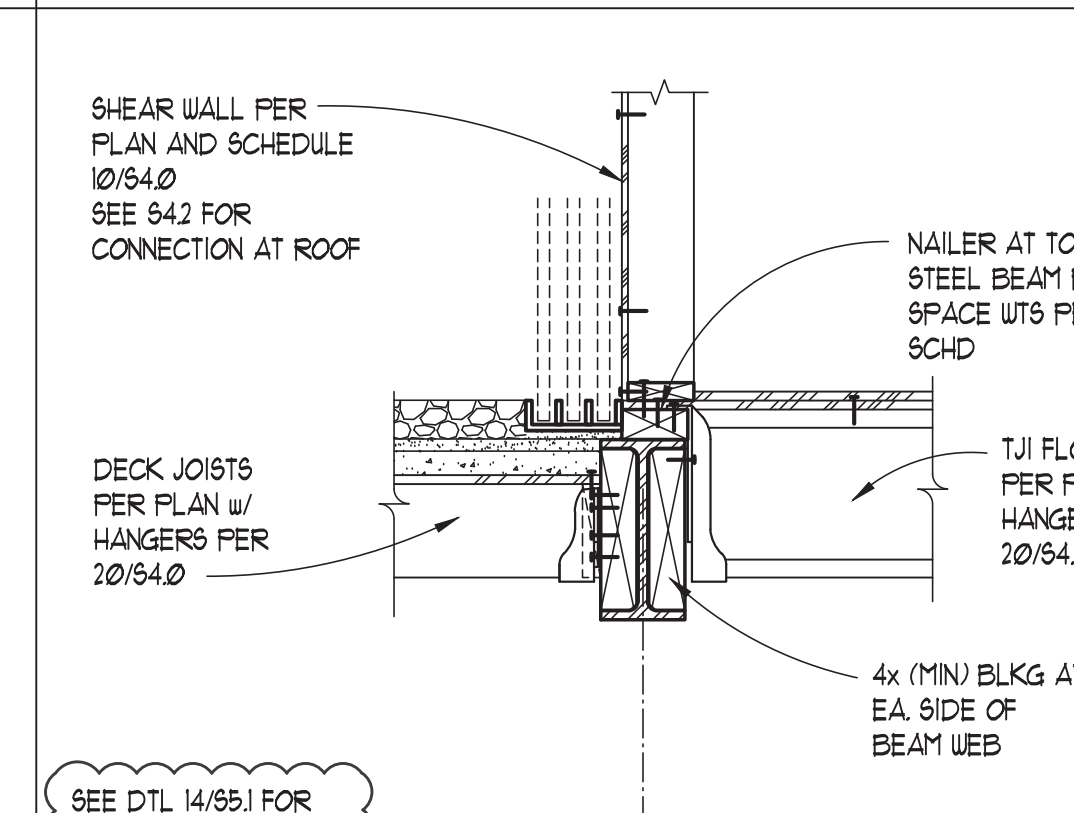
WOOD BEAM TO STEEL COLUMN W/ KERF FL. CONN.

22



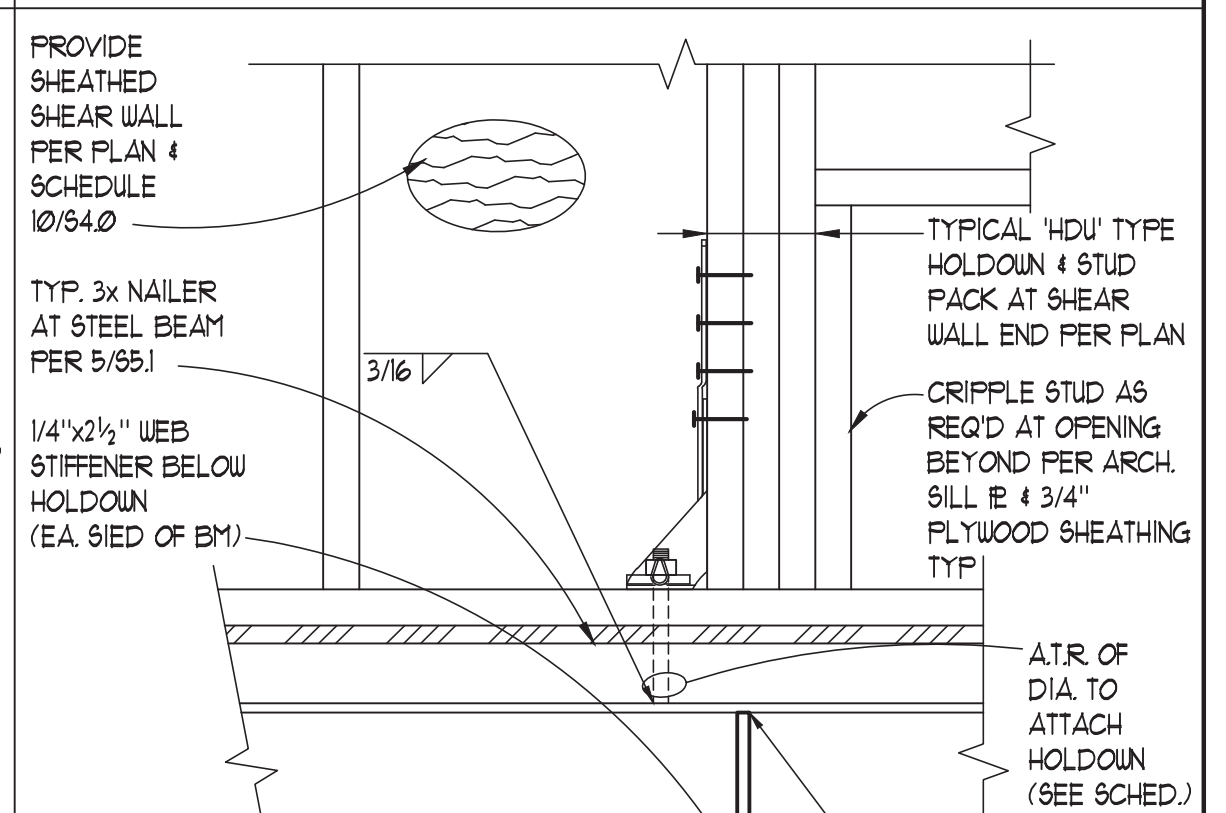
BEAM TO BEAM AND COLUMN CONN. AT DEPTH CHANGE

23



SHEAR WALL ABOVE STEEL BEAM AT MASTER BDRM

24



HOLDOWN ANCHOR TO STEEL FLOOR BEAM

25



LAKE HOUSE
3310 97TH AVE SE
MERCER ISLAND, WA 98040

BUILDING PERMIT SUBMITTAL
DECEMBER 18, 2020

12-10-21 CD SET

TITLE
STEEL DETAILS AND SCHEDULES

PROJECT NO.: 191986.1
E.O.R.: Mark Spield
DESIGNED: MTS
DRAWN: KPH

ISSUE DATE
PERMIT SET 12-18-2020

REVISIONS DATE
PERMIT REV 06/03/21
PERMIT REV 07/05/21
PERMIT REV 07/23/21
PERMIT REV 08/03/21
M.I. PERMIT REV 08/20/21
CD SET REV 12/10/21

SHEET NO.
S5.1

REVIEW