THRHA - Petersburg Duplex

Petersburg, AK

PARTICIPANTS

TLINGIT-HAIDA REGIONAL HOUSING AUTHORITY
5446 JENKINS DRIVE JUNEAU, AK 99801 907.780.6868

ELECTRICAL ENGINEER: EIC ENGINEERING

ANCHORAGE, AK 99518

ARCHITECT / CIVIL ENGINEER:

7180 REVILLA ROAD, SUITE 300 KETCHIKAN, ALASKA 99901 907.225.7917

MECHANICAL ENGINEER:

SAM THORNTON MECHANICAL ENGINEERING KETCHIKAN, AK 99901 907.220.7849

CODE REVIEW



III. OCCUPANCY SEPARATIONS (Table 508.4)

1 HR SEPARATION BETWEEN UNITS. 1 HR SEPARATION BETWEEN
GARAGE AND ADJACENT LIVING SPACES

IV. BUILDING AREA (Table 503)
ALLOWED: UL SF/STORY, 3 STORIES SPRINKLER INCREASE: NONE TOTAL ALLOWED: UL SF/ STORY, 3 STORIES PROPOSED: 2606 SF, 1 STORY

V. BUILDING HEIGHT (Table 503) ALLOWED: 40' PROPOSED: 17' - 10"

VI. OCCUPANT LOAD (Table 1004.1.2)

RESIDENTIAL 2606 GROSS SF / 200

LOCATION MAP



ZONING REVIEW

PETERSBURG BOROUGH TITLE 19 REVIEW

LEGAL DESCRIPTION: USS: 1168, BLOCK: 302, LOT: 24 PARCEL NUMBER: 01-005-705

ZONING: Public Use

LOT SIZE: 9000 sf MAXIMUM: 35% PROPOSED: 29% BUILDING GROSS AREA: BUILDING HEIGHT: PROPOSED: 17' - 10" SETBACKS: FRONT: 20' BACK: 20' SIDEYARD: 10' PROPOSED: See Architectural Site Plan A100

PARKING: MINIMUM: 2 spaces per unit PROPOSED: 4

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Duplex Petersburg THRHA

STATUS:

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SHEET DESCRIPTION:

Cover Sheet

G100

SHEET:

ARCHITECTURAL ABBREVIATIONS

AB	ANCHOR BOLT	F/F	FACE TO FACE	MACH	MACHINE
ABV	ABOVE	F.F	FINISH FLOOR	MAN	MANUAL
ACOUS	ACOUSTICAL	FA	FIRE ALARM	MATL	MATERIAL
ACT	ACOUSTICAL CEILING TILE	FBD	FIBERBOARD	MAX	MAXIMUM
AD	AREA DRAIN	FD	FLOOR DRAIN	MC	MEDICINE CABINET
ADDL	ADDITIONAL	FDC	FIRE DEPARTMENT CONNECTION	MECH	MECHANICAL
ADJ	ADJUSTABLE	FND	FOUNDATION	MEMB	MEMBRANE
AFF	ABOVE FINISHED FLOOR	FDV	FIRE DEPARTMENT VALVE	MET	METAL
AFG	ABOVE FINISHED GRADE	FE	FIRE EXTINGUISHER	MFR	MANUFACTURER
AFS	ABOVE FINISHED SLAB	FEB	FIRE EXTINGUISHER BRACKET	MH	MANHOLE
AL	ALUMINUM	FEC FHY	FIRE EXTINGUISHER CABINET FIRE HYDRANT	MIN MIR	MINIMUM MIRROR
ALT AP	ALTERNATE ACCESS PANEL	FIN	FINISH	MISC	MISCELLANEOUS
APPROX	APPROXIMATE(LY)	FIN GR	FINISH GRADE	MOD	MODULAR
ARCH	ARCHITECT(URAL)	FL	FLOOR(ING)	MTD	MOUNTED
ASPH	ASPHALT	FLASH	FLASHING	MTG	MOUNTING
AUTO	AUTOMATIC	FLEX	FLEXIBLE	MULL	MULLION
		FLR SK	FLOOR SINK		
BD	BOARD	FLUOR	FLUORESCENT	(N)	NEW
BKG	BACKING	FNR	FEMININE NAPKIN RECEPTACLE	'n´	NORTH
BLDG	BUILDING	FNTD	FEMININE NAPKIN-TAMPON DISPENSER	NA	NOT APPLICABLE
BLKG	BLOCKING	FOC	FACE OF CONCRETE	NAT	NATURAL
BLW	BELOW	FOF	FACE OF FINISH	NIC	NOT IN CONTRACT
BOT	BOTTOM	FOM	FACE OF MASONARY	NO	NUMBER
BRKT	BRACKET	FOS	FACE OF STUD	NOM	NOMINAL
BSMT	BASEMENT	FRPF	FIREPROOFING	NRC	NOISE REDUCTION COEFFICIENT
BTW	BETWEEN	FRZ	FREEZER	NTS	NOT TO SCALE
BURS	BUILT UP ROOFING SYSTEM	FSB	FOLDING SHOWER BENCH		
0.4-	OARWET	FSTNR	FASTENER FOOT FEET	OA OO	OVERALL
CAB	CABINET	FT	FOOTING	OC OD	ON CENTER
CB	CATCH BASIN	FTG	FOOTING	OD OF CI	OUTSIDE DIAMETER
CCTV	CLOSED CIRCUIT TELEVISION	FURN FURR	FURNITURE FURRING	OFCI OFOI	OWNER FURNISHED OWNER INSTALLED
CG	CORNER GUARD			OF OI	OWNER FURNISHED-OWNER INSTALLED
CEM	CEMENT	FUS FUT	FOLDING UTILITY SEAT	OH OPNG	OPPOSITE HAND OPENING
CER	CERAMIC		FUTURE	OPNG	
CER TILE	CERAMIC TILE	FXTR	FIXTURE	OVHD	OPPOSITE OVERHEAD
CL	CENTERLINE	GA	GAUGE	OVHD	OVERHEAD
CLG	CEILING	GALV	GALVANIZED	PBD	PARTICLE BOARD
CLJ CLR	CONTROL JOINT CLEAR	GB	GRAB BAR	PCF	POUNDS PER CUBIC FOOT
CMU	CONCRETE MASONRY UNIT	GC	GENERAL CONTRACTOR	PERF	PERFORATED
CNTR	COUNTER	GL	GLASS	PERIM	PERIMETER
CO	CASED OPENING	GL BLK	GLASS BLOCK	PERM	PERMANENT
CONC	CONCRETE	GLULAM	GLUE LAMINATED	PERP	PERPENDICULAR
CONF	CONFERENCE	GLZ	GLAZING	PH	PANIC HARDWARE
CONN	CONNECTION	GND	GROUND	PL	PROPERTY LINE
CONSTR	CONSTRUCTION	GR	GRADE, GRADING	PLAM	PLASTIC LAMINATE
CONT	CONTINUOUS	GRV	GRAVEL	PLAT	PLATFORM
CORR	CORRIDOR	GYP BD	GYPSUM BOARD	PLBG	PLUMBING
CRPT	CARPET		- · · · · · · · · · · · · · · · · · · ·	PLF	POUNDS PER LINEAL FOOT
CSWK	CASEWORK	Н	HIGH	PLYWD	PLYWOOD
CT	CARPET TILE	HB	HOSE BIB	PNL	PANEL
CUST	CUSTOM	HC	HOLLOW CORE	PREFAB	PREFABRICATED
CW	COLD WATER	HCP	HANDICAPPED	PRKG	PARKING
		HD	HEAD	PROJ	PROJECT
DBL	DOUBLE	HDBD	HARDBOARD	PROP	PROPERTY
DEMO	DEMOLISH	HDWE	HARDWARE	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	HM	HOLLOW METAL	PSI	POUNDS PER SQUARE INCH
DF	DRINKING FOUNTAIN	HNDRL	HANDRAIL	PT	POINT
DIA	DIAMETER	HR	HOUR	PTD	PAPER TOWEL DISPENSER
DIAG	DIAGONAL	HT	HEIGHT	PTD/R	PAPER TOWEL DISPENSER W/ RECEPTACLE
DIFF	DIFFUSER	HVAC	HEATING, VENTILATION,	PTR	PAPER TOWEL RECEPTACLE
DIM	DIMENSION	1.047	AIR CONDITIONING, & COOLING	PVMT	PAVEMENT
DIM PT	DIMENSION POINT	HW	HOT WATER	PWR	POWER
DISP	DISPENSER	ID	INSIDE DIAMETER	QT	QUARRY TILE
DIST DLV	DISTANCE DOOR LOUVER	INCAND	INCANDESCENT	QTR	QUARTER
DMPF	DAMPROOFING	INCL	INCLUDING	QTY	QUANTITY
DN	DOWN	INFO	INFORMATION	QII	QOANTIT
DR DR	DRAIN	INSUL	INSULATION	R	RISER
DS	DOWNSPOUT	INT	INTERIOR	RA	RETURN AIR
DT	DRAIN TILE			RAD	RADIUS
DWG	DRAWING	JAN	JANITOR	RCP	REFLECTED CEILING PLAN
DWGS	DRAWINGS	JB	JUNCTION BOX	RD	ROOF DRAIN
DWR	DRAWER	JT	JOINT	REF	REFRIGERATOR
				REINF	REINFORCED
(E) E	EXISTING	KIT	KITCHEN	REQD	REQUIRED
E	EAST	KPL	KICK PLATE	RESIL	RESILIENT
EA	EACH	KS	KNEE SPACE	RET	RETURN
ECAB	ELECTRICAL CABINET			REV	REVISION
EG	EDGE GUARD	LAB	LABORATORY	RH	RIGHT HAND
EIFS	EXTERIOR INSULATION FINISH SYSTEM	LAM	LAMINATE	RM	ROOM
EL	ELEVATION	LAV	LAVATORY	RO	ROUGH OPENING
ELEC	ELECTRICAL	LB LF	POUND	ROW	RIGHT OF WAY
ELEV	ELEVATION		LINEAR FOOT	c	SOUTH
EMER		LG I H	LENGTH	S	SOUTH
	EMERGENCY	LH	LEFT HAND LINEAR	SA SASU	SUPPLY AIR SELF-ADHERING SHEET UNDERLAYMENT
ENCL	ENCLOSURE			SASU SB	SELF-ADHERING SHEET UNDERLAYMENT SPLASH BLOCK
ENCL ENGR	ENCLOSURE ENGINEER	LIN I KR	LOCKER	SD	OF LAGIT DECCA
ENCL ENGR EO	ENCLOSURE ENGINEER ELECTRICAL OUTLET	LKR	LOCKER LIGHT	SC	
ENCL ENGR EO EQL SP	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED	LKR LT	LIGHT	SC SCD	SOLID CORE
ENCL ENGR EO EQL SP EQUIP	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED EQUIPMENT	LKR LT LT WT	LIGHT LIGHT WEIGHT	SCD	SOLID CORE SEAT COVER DISPENSER
ENCL ENGR EO EQL SP EQUIP EQUIV	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED EQUIPMENT EQUIVALENT	LKR LT	LIGHT	SCD SCHED	SOLID CORE SEAT COVER DISPENSER SCHEDULED
ENCL ENGR EO EQL SP EQUIP EQUIV EXP	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED EQUIPMENT EQUIVALENT EXPANSION	LKR LT LT WT	LIGHT LIGHT WEIGHT	SCD	SOLID CORE SEAT COVER DISPENSER
ENCL ENGR EO EQL SP EQUIP EQUIV	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED EQUIPMENT EQUIVALENT	LKR LT LT WT	LIGHT LIGHT WEIGHT	SCD SCHED SCR	SOLID CORE SEAT COVER DISPENSER SCHEDULED SHOWER CURTAIN ROD
ENCL ENGR EO EQL SP EQUIP EQUIV EXP EXPO	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED EQUIPMENT EQUIVALENT EXPANSION EXPOSED EXISTING	LKR LT LT WT	LIGHT LIGHT WEIGHT	SCD SCHED SCR SD	SOLID CORE SEAT COVER DISPENSER SCHEDULED SHOWER CURTAIN ROD SOAP DISPENSER
ENCL ENGR EO EQL SP EQUIP EQUIV EXP EXPO EXIST	ENCLOSURE ENGINEER ELECTRICAL OUTLET EQUALLY SPACED EQUIPMENT EQUIVALENT EXPANSION EXPOSED	LKR LT LT WT	LIGHT LIGHT WEIGHT	SCD SCHED SCR SD SECT	SOLID CORE SEAT COVER DISPENSER SCHEDULED SHOWER CURTAIN ROD SOAP DISPENSER SECTION

DRAWING SYMBOLS

SHR SHTV SIM SK SPEC SPEC SPEKR SPER SQ IN SST ST ST STD STD STOR STOR

SUSP CLG

SERV SYM

T T&B T&G TB

TEL TEMP THERM

THERM THK THRES THRU TOL TYP

UC UNFIN

UON UR UTIL

VAC VB VCT VERT

VEST VF VNR

VOL VWC

W

W/ W/O

W/W WC WD

WDW WF

WHCH

WO WR

WSCT WT

WWF

XFMR

SHOWER SHEET(ING) SHELVES, SHELVING

SIMILAR SINK SPACE, SPACING SPECIFICATION

SPRINKLER SPEAKER SQUARE

STREET STAGGERED STANDARD

STEEL

STORAGE STRUCTURAL

SERVICE SYMBOL

TREAD TOP & BOTTOM TONGUE & GROOVE TOWEL BAR

TEMPORARY

TOLERANCE TYPICAL

URINAL

UTILITY

VACUUM VINYL BASE

VERTICAL

VENEER

WEST

WITH

WITHOUT WALL TO WALL WATER CLOSET

WOOD

TRANSFORMER

WINDOW WIDE FLANGE WHEEL CHAIR WHERE OCCURS

WAINSCOTING WEIGHT

WELDED WIRE FABRIC

WATERPROOFING

VESTIBULE VERIFY IN FIELD

UNDER COUNTER UNFINISHED

UNLESS OTHERWISE NOTED

VINYL COMPOSITION TILE

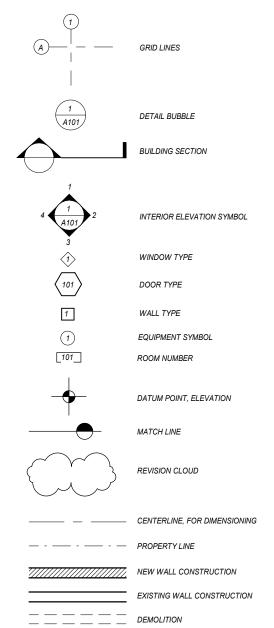
VINYL WALL COVERING

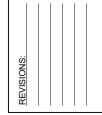
THICK, THICKNESS THRESHOLD THROUGH

THERMAL

SQUARE INCH STAINLESS STEEL

SUSPENDED CEILING





Duplex Petersburg THRHA

STATUS:

Permit Documents

DRAWN BY: NMG CHECKED BY: NMG PROJECT #: 222321.04

R&M ENGINEERING-KETCHIKAN, IN 7180 REVILLA ROAD, SUITE 300 KETCHIKAN, ALASKA 99901 PH: 907.225.7917 www.ketchikanengineer.com



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SHEET DESCRIPTION: Abbreviations & Symbols

G101

SHEET:

GENERAL NOTES

HORIZONTAL DATA: THE HORIZONTAL CONTROL IN THIS DRAWING ARE LOCAL GRID COORDINATES AT GROUND.

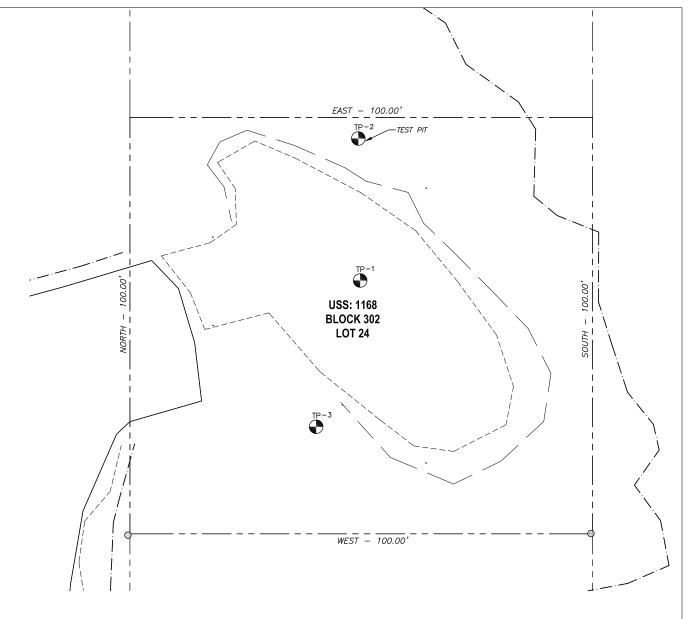
<u>VERTICAL DATA:</u> ELEVATIONS DETERMINED ON THIS PROJECT ARE ASSUMED.

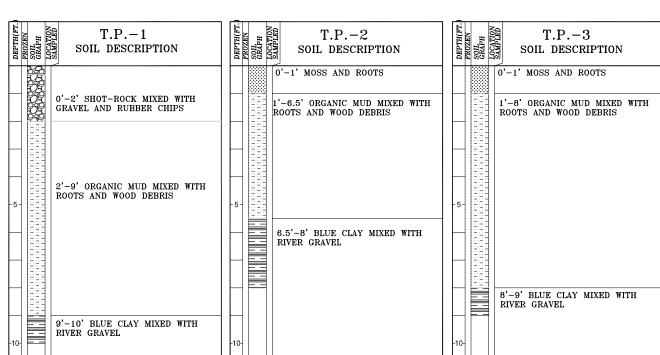
GENERAL NOTES

- 1) ALL UTILITIES SHOWN WERE LOCATED FROM SURFACE EVIDENCE AND UTILITY LOCATES PERFORMED BY PETERSBURG PUBLIC WORKS.
- 2) THE PROPERTY LINES SHOWN ON THIS SURVEY DO NOT CONSTITUTE A COMPLETE BOUNDARY RESOLUTION AND SHOULD ONLY BE USED AS APPROXIMATE WHEN PLACING NEW PERMANENT STRUCTURES. FURTHERMORE, THIS COMPANY WAS NOT PROVIDED A TITLE REPORT TO AID IN DEPICTING ALL EXISTING EASEMENTS THAT MAY EXIST.
- 3) THESE PLANS RELIED UPON DRAWINGS SUPPLIED TO THIS COMPANY BY PETERSBURG PUBLIC WORKS. THESE DRAWING CONTAINED PROPERTY LINE INFORMATION, EXISTING GRADE CONTOURS, UTILITIES, AND LOCATIONS OF OTHER FEATURES.
- 4) THE PROFILES SHOWN IN THESE PLANS HAVE A VERTICAL EXAGGERATION OF 2.0.
- 5) WATER DISTRIBUTION SYSTEM CONSTRUCTION SHALL BE ACCORDANCE WITH THESE PLANS, THE CITY OF PETERSBURG STANDARD SPECIFICATIONS (DIVISION 60), AND ADEC REGULATIONS AS CONTAINED IN 18-AAC-80, DRINKING WATER.
- 6) ALL TRENCHING, COMPACTION, AND AGGREGATES SHALL BE COMPLETED IN ACCORDANCE WITH THE CITY OF PETERSBURG STANDARD SPECIFICATIONS (DIVISION 20) UNLESS OTHERWISE NOTED.
- 7) WASTEWATER SYSTEM CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS, THE CITY OF PETERSBURG STANDARD SPECIFICATIONS (DIVISION 50), AND ADEC REGULATIONS AS CONTAINED IN 18-AAC-72, WASTEWATER DISPOSAL.
- 8) MAINTAIN MINIMUM 10 FOOT HORIZONTAL, AND 18 INCH VERTICAL SEPARATION BETWEEN SEWER AND WATER MAIN LINES AT ANY POINT UNLESS OTHERWISE NOTED IN PLANS.
- 9) WATER MAINS SHALL CROSS OVER THE TOP OF SEWER MAINS WITH 18 INCHES OF SEPARATION BETWEEN OUTSIDE EDGES OF THE PIPES. THE WATER LINE JOINTS SHALL BE AT LEAST 9 FEET FROM THE SEWER JOINTS. SEE DETAILS.
- 10) WATER PIPE SHALL BE 4710 RESIN SDR11 HDPE PIPE.
- 11) GRAVITY SEWER MAINS AND SERVICES SHALL BE C900 PVC PIPE.
- 12) ALL PRESSURE SEWER MAINS AND LATERALS SHALL BE 4710 RESIN SDR11 HDPE PIPE.
- 13) DO NOT CHANGE UTILITY DESIGN, LINE, GRADE, SIZE, MATERIALS, ETC. WITHOUT APPROVAL FROM THE DESIGN ENGINEER OR THE CITY OF PETERSBURG.
- 14) THE WATER LINE DESIGN IS BASED ON HDPE PIPE WITH AN ALLOWABLE BENDING RADIUS = 10-D. THE CONTRACTOR SHALL SUBMIT ALIGNMENT SHOP DRAWINGS IF SELECTED HDPE PIPE MANUFACTURER'S ALLOWABLE BENDING RADIUS IS GREATER.
- 15) MAINTAIN 5' MINIMUM COVER ON WATER MAINS AND 5' MINIMUM COVER OVER SANITARY SEWER FORCE MAINS AND PRESSURE LATERALS.
- 16) SEWER PIPE ELEVATIONS ARE TO BOTTOM OF PIPE
- 17) SEWER PIPE SLOPES ARE CALCULATED FROM FACE OF MANHOLE
- 18) SUBMITTALS THE CONTRACTOR SHALL SUBMIT DATA SHEETS FOR ALL CONSTRUCTION MATERIALS TO THE CITY AND BOROUGH OF PETERSBURG PUBLIC WORKS DEPARTMENT AND OBTAIN WRITTEN APPROVAL FOR THE CONSTRUCTION MATERIALS PRIOR TO PURCHASING AND INSTALLING THEM. THE CONSTRUCTION MATERIALS INCLUDE BUT ARE NOT LIMITED TO ALL PIPE, FITTINGS, VALVES, CURB STOPS, CORPORATION STOPS, TAPPING SADDLES, MANHOLES, FRAMES & LIDS, CLEANOUTS, AND HYDRANTS.

LEGEND

FEATURE DESCRIPTION	EXISTING	PROPOSED	FEATURE DESCRIPTION	EXISTING	PROPOSE
PROPERTY LINE		N/A	UTILITY POLE	0	0
PROPERTY LINE (INFORMATIONAL)		N/A	GUY ANCHOR	\leftarrow	N/A
CENTERLINE			CONTROL POINT (AS NOTED)		N/A
CONCRETE		AS NOTED	FOUND MONUMENT (AS NOTED)	0	N/A
ASPHALT		AS NOTED	STORM DRAIN MANHOLE	a De	Ð,
			STORM CATCH BASIN		
BUILDING LINE			STORM CLEANOUT	©	©
BUILDING OVERHANG		AS NOTED	SANITARY SEWER MANHOLE	S	₹ <u>`</u>
EDGE OF ASPHALT/CONCRETE		(<u>PATCH)</u>	SANITARY SEWER CLEANOUT	©	60
EDGE OF GRAVEL		N/A	BOLLARD/POST (TYPE AS NOTED)		0
TOP/TOE/DITCH (GENERAL)		N/A	WATER VALVE	w∨ ⊠	\otimes
OVERHEAD UTILITY LINE	—— XDH ——— XDH ———	N/A	FIRE HYDRANT	A r	4
UNDERGROUDN UTILITY LINE	—— UGP ——— UGP ———	N/A	LIGHT POLE	⇔ ()	N/A
STORM DRAIN	—— X2D ——— X2D ——— X2D ——		ELECTRICAL METER	⊠ ^{EM}	N/A
SEWER LINE	— 22X —— 22X —— 22X —		SIGN	⋈	N/A
SEWER LINE (RECORD)	SS(R) SS(R)	N/A	TEST PIT	ø ·	
SANITARY SEWER PRESSURE LINE					N/A
SEWER SERVICE	N/A		ROCK WALL		
WATER LINE		vv			
WATER SERVICE	N/A				
WATER LINE (RECORD)	W(R)	N/A			
RAW SALTWATER LINE	SRAW	N/A			
FUEL/GAS LINE	— G —— G —— G —	N/A			
FENCE	xx				
GUARD RAIL		N/A			
MAJOR CONTOUR		N/A			
MINOR CONTOUR		N/A			







THRHA PETERSBUR(

STATUS:

DRAWN BY: <u>CRH</u>
CHECKED BY: <u>TSS</u>
DATE: <u>02/27/2023</u>
PROJECT #: 222321.04

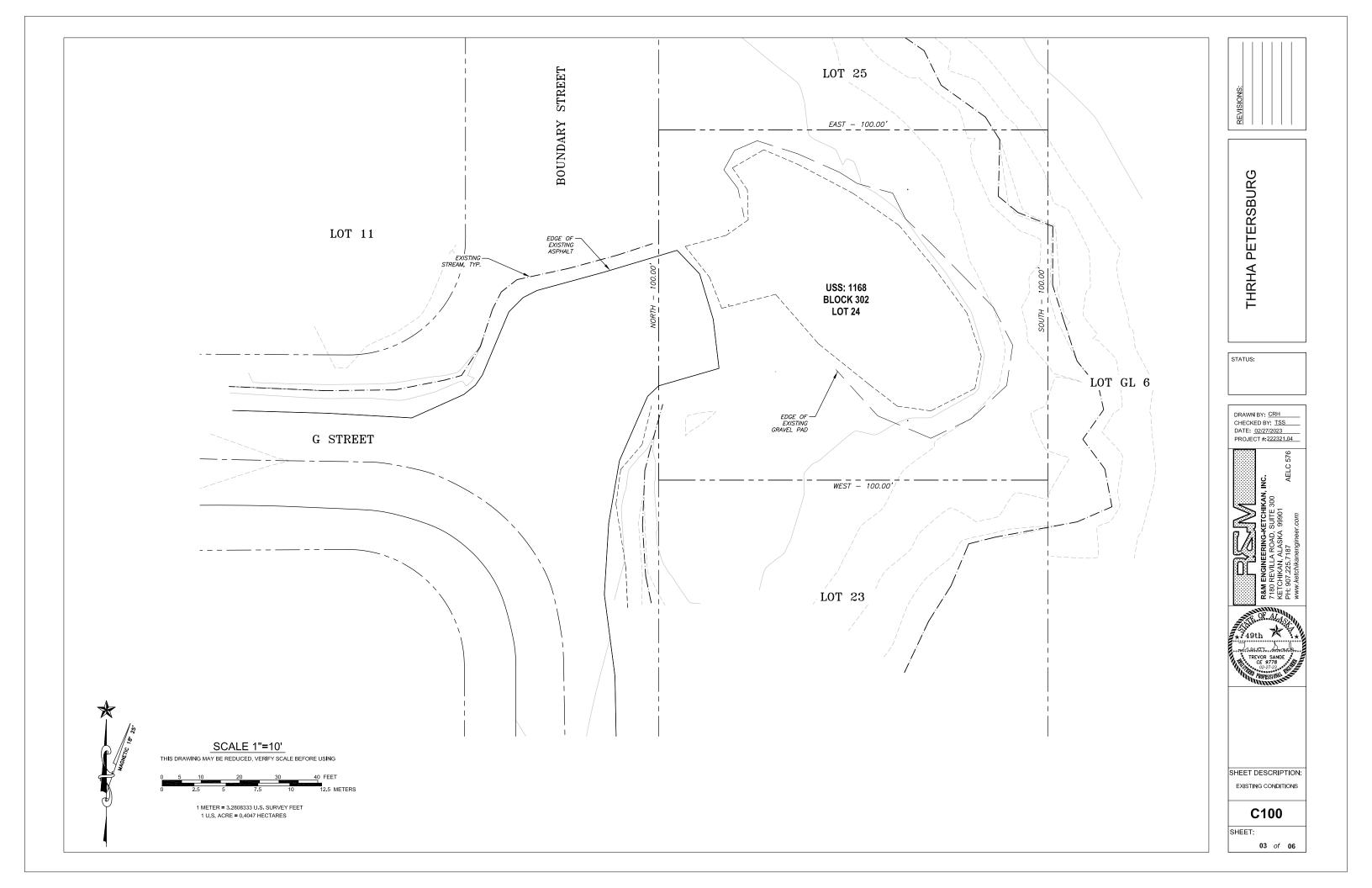
&M ENGINEERING-KETCHIKAN, INC.
180 REVILLA ROAD, SUITE 300
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Weetchikanendineer.com

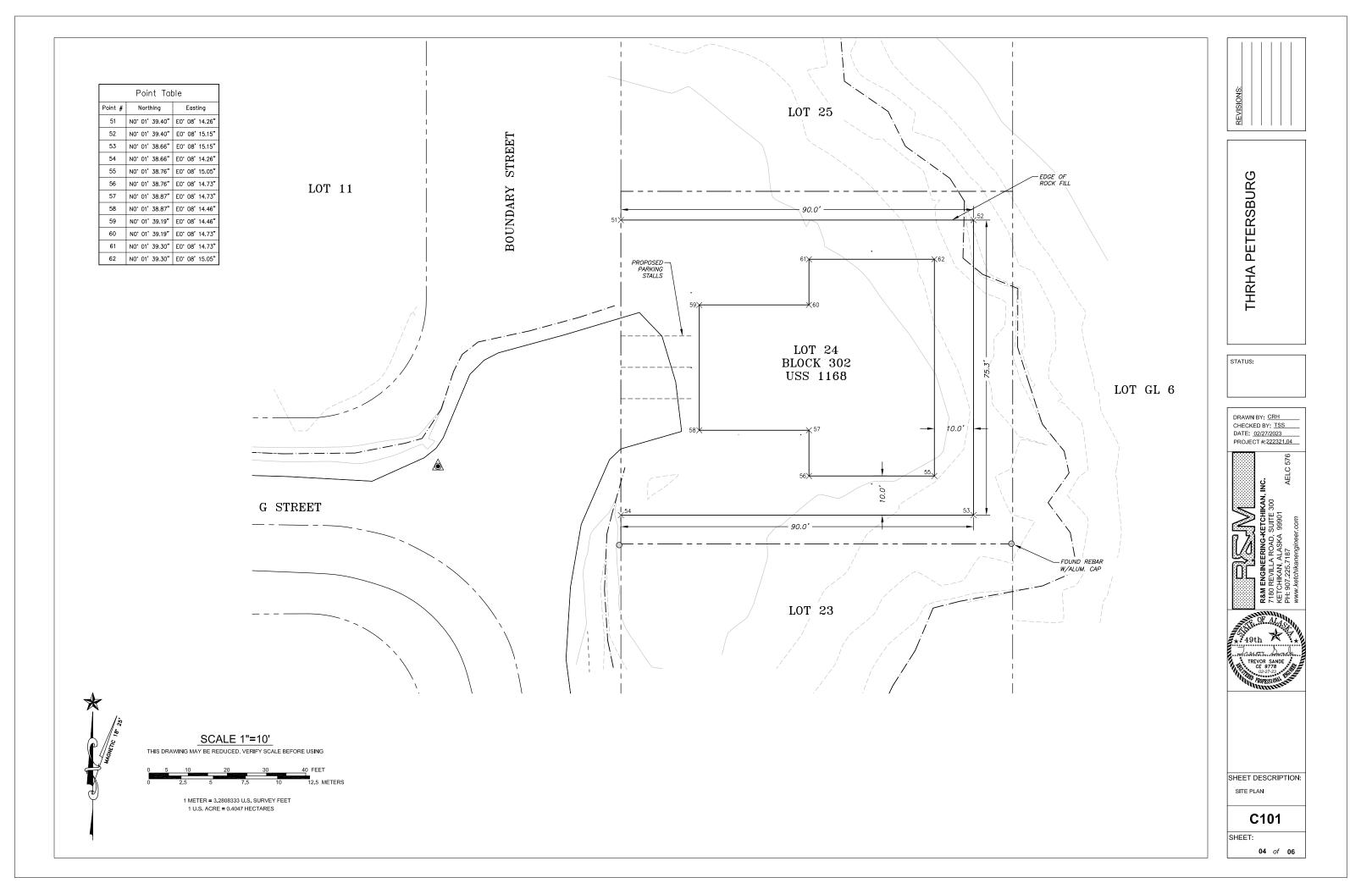


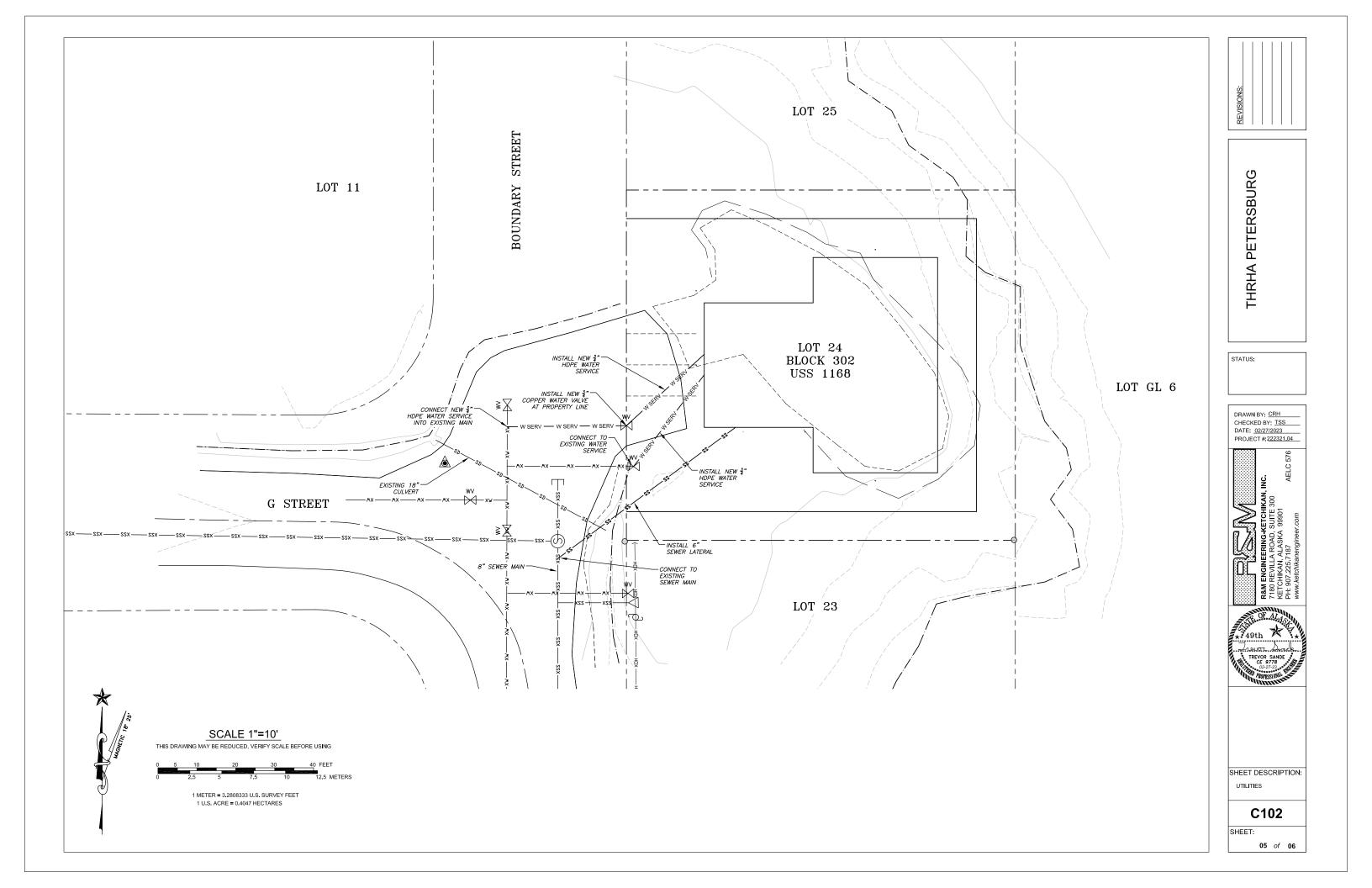
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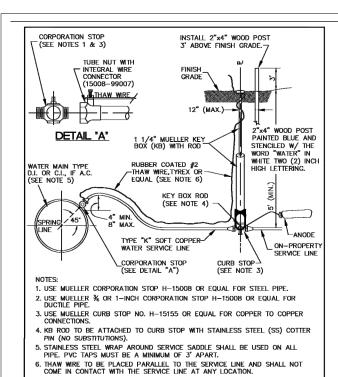
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SHEET: **02** of **06**



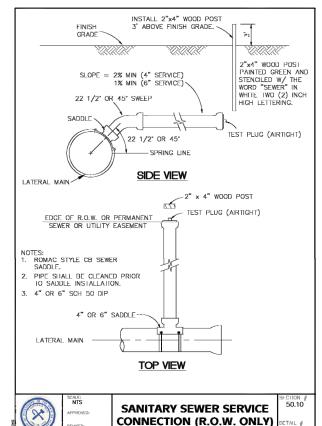


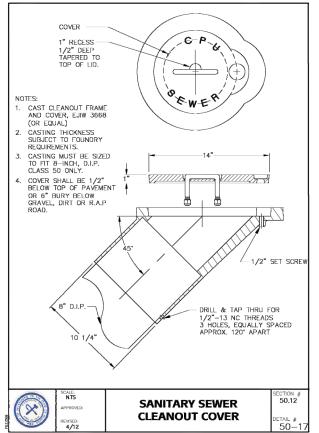


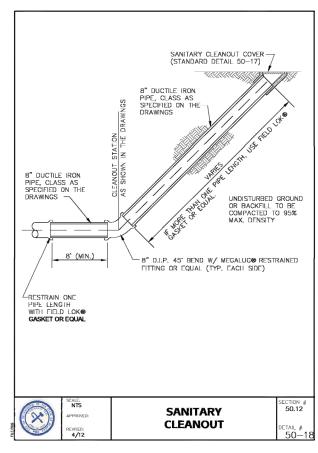


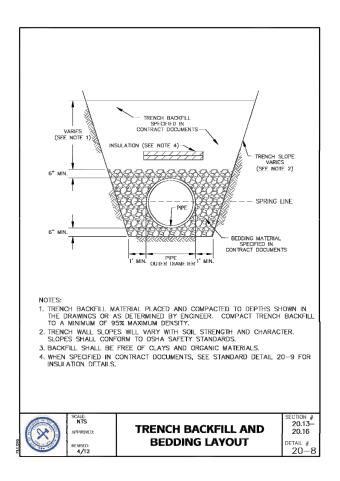
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60-7



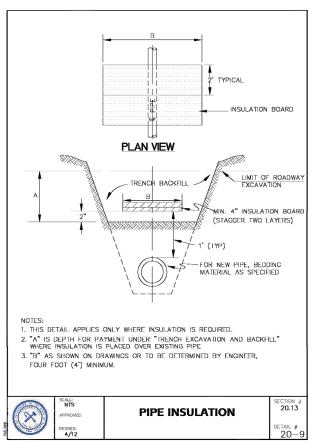


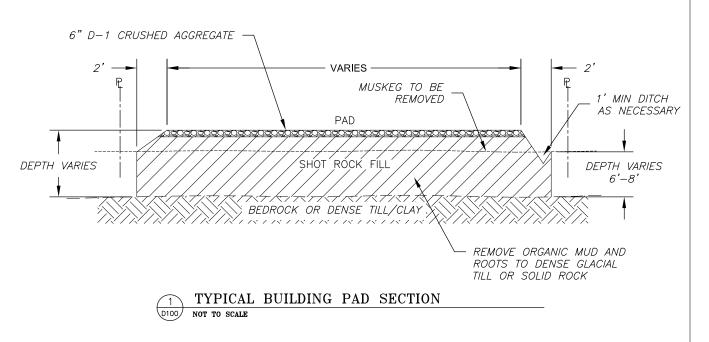




WATER SERVICE CONNECT

3/4" AND 1"







THRHA PETERSBURG

STATUS:

DRAWN BY: <u>CRH</u>
CHECKED BY: <u>TSS</u>
DATE: <u>02/27/2023</u>
PROJECT #: <u>222321.04</u>

M ENGINEERING-KETCHIKAN, INC.

R EVILLA ROAD, SUITE 300
TCHIKAN, ALASKA 99901
907,225,7187
AELC



SHEET DESCRIPTION: DETAILS

D100

SHEET:

06 of **06**

GENERAL NOTES

COMPLY WITH ALL PROVISIONS OF THE INTERNATIONAL CODES AS ADOPTED BY THE CITY OF PETERSBURG AND THE STATE OF ALASKA.

- ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES, INCLUDING THE LATEST ADOPTED EDITIONS OF THE IBC, IFC, IMC, IPC, IRC, UFC, UMC, UPC, NEC, AND ADA ACCESSIBILITY
- THE ARCHITECTURAL DRAWINGS ARE A PART OF LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF ALL DRAWINGS LISTED BY THE INDEX OF DRAWINGS. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY THE WORK DESCRIBED ON DRAWINGS OF ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF ANOTHER DISCIPLINE. PARTIAL SETS OF DRAWINGS ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED BY THE CONTRACTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUBCONTRACTORS, TRADES, AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION, AND TO ASSURE THAT ALL PARTIES ARE AWARE OF ALL REQUIREMENTS. REGARDLESS OF WHERE THE REQUIREMENTS OCCUR IN THE CONTRACT DOCUMENTS., WHICH MIGHT AFFECT THE WORK OF THAT
- CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND BUILDING DIMENSIONS PRIOR TO PROCEEDING WITH THE WORK, ANY VARIATION FROM THE CONDITIONS AND DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE REPORTED TO THE OWNER OR ARCHITECT FOR RESOLUTION PRIOR TO
- CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS DIMENSIONS ARE TO CENTERLINE OF COLUMNS OR TO FACE OF FRAMING, UNLESS OTHERWISE NOTED. DIMENSIONS NOTED AS "CLEAR" ARE TO FACE OF FINISH MATERIALS.
- REFER TO THE STRUCTURAL, MECHANICAL, ELECTRICAL, CIVIL, LANDSCAPE AD PLUMBING DRAWINGS FOR THE DETAILED DESIGN OF STRUCTURAL, MECHANICAL, ELECTRICAL, CIVIL, LANDSCAPE AND PLUMBING SYSTEMS. OF WHICH PORTIONS MAY BE SHOWN ON THE ARCHITECTURAL DRAWINGS.
- FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE FLOOR SLAB OR WOOD SUB-FLOOR, UNLESS OTHERWISE NOTED.
- CEILING HEIGHT DIMENSIONS ARE TO FINISHED SURFACES, UNLESS OTHERWISE NOTED.
- PROVIDE FIRE BLOCKING, DRAFT STOPS, AND FIRE STOPS PER IBC SECTION 717.
- PROVIDE AN 2A 10BC FIRE EXTINGUISHER PER PLANS.
- WINDOWS IN OCCUPIED, HEATED AREAS OF BUILDING TO BE DOUBLE PANE, INSULATED
- SAFETY GLAZING: WIRED, TEMPERED, AND LAMINATED SAFETY GLASS MUST MEET IBC STANDARDS. GLAZING IN OR ADJACENT TO DOORS (12") AND GLAZING LESS THAN 18" ABOVE FLOOR, AND OTHER HAZARDOUS LOCATIONS PER UBC SEC. 2406.
- MINIMUM INSULATION REQUIREMENTS IN OCCUPIED, HEATED AREAS OF BUILDING, UON:

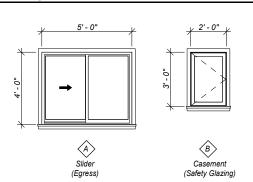
ROOF/CEILING EXT. WALLS FLOORS & SOFFITS HOT WATER PIPES 1/2"

ALLOW 2' MIN. AIR SPACE OVER INSULATION WHEN BATTS ARE USED BETWEEN RAFTERS & TRUSSES. SEAL ALL TEARS AND JOINTS WITH TAPE. ALL ROOF INSULATION APPLIED DIRECTLY TO EXTERIOR FRAMING MEMBERS SHALL BE PROVIDED WITH VAPOR BARRIER ON HEATED SIDE. ALL OPENINGS (DOORS, WINDOWS, ETC.) SHALL BE CAULKED, SEALED, OR WEATHERSTRIPPED.

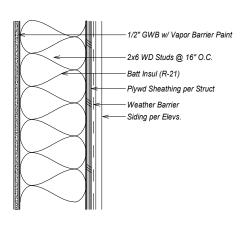
SCOPE OF WORK

Construction of a single story duplex with attached garages.

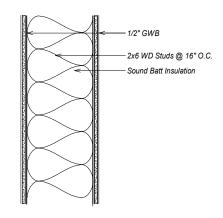
WINDOW TYPES



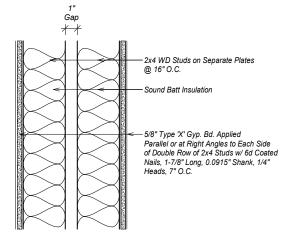
WALL TYPES





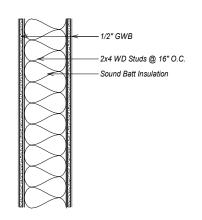


Typ. Interior Sound Wall (2x6)

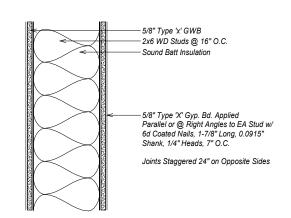


Typ. Interior Rated Unit Separation Wall 1-hr Rated, STC 50+

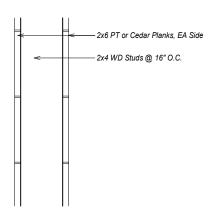
Ga File No. WP 3370



Typ. Interior Sound Wall (2x4)



Typ. Interior Rated Wall (2x6)



6 Typ. Privacy Wall

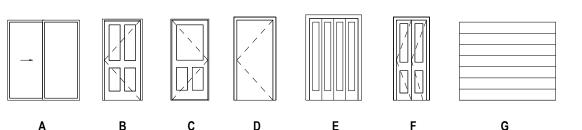
DOOR SCHEUDLE

						<u>C</u>	oor Sc	<u>hedule</u>		
Туре	145 111		Door		-	Door	Frame	E: 5 //		5
Mark	Width	Height	Туре	Operation	Thickness	Material	Material	Fire Rating	Hardware	Description
1	10' - 0"	8' - 0"	G	Overhead	2"					Insulated Overhead Sectional Door
2	3' - 0"	6' - 8"	В	Swing	1 3/4"	Vinyl	Vinyl			Exterior Insulated Door
3	3' - 0"	6' - 8"	С	Swing	1 3/4"	Vinyl	Vinyl			Exterior Insulated Door w/ Relite
4	6' - 0"	6' - 8"	Α	Slider	1 3/4"	Vinyl	Vinyl			Exterior Insulated Sliding Door
5	3' - 0"	6' - 8"	D	Swing	1 3/8"	WD/SC	Wood	20 Min		Rated Door
6	2' - 6"	6' - 8"	D	Swing	1 3/8"	WD/SC	Wood			
7	2' - 10"	6' - 8"	D	Bi-Fold	1 3/8"	WD/SC	Wood			
9	4' - 0"	6' - 8"	E	Swing	1 1/2"	Wood	Wood			Bi-Fold Door Pair
10	1' - 6"	6' - 8"	D	Swing	1 3/8"	WD/SC	Wood			
11	2' - 4"	6' - 8"	D	Swing	1 3/8"	WD/SC	Wood			

DOOR TYPES

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STATUS:

Permit Documents

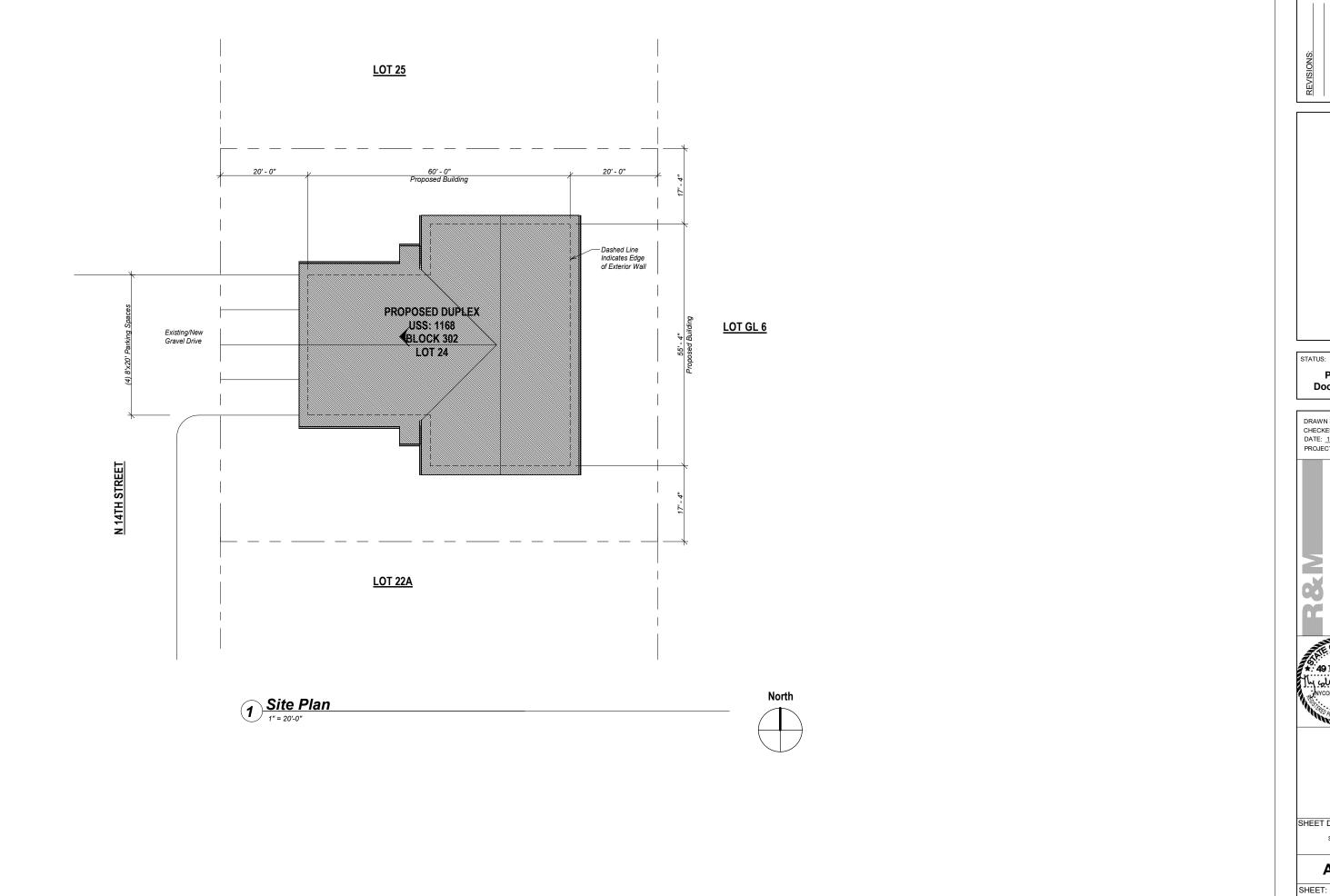
DRAWN BY: NMG CHECKED BY: NMG PROJECT #: 222321.04



SHEET DESCRIPTION Notes, Wall Types, &

A001

SHEET:



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Permit Documents

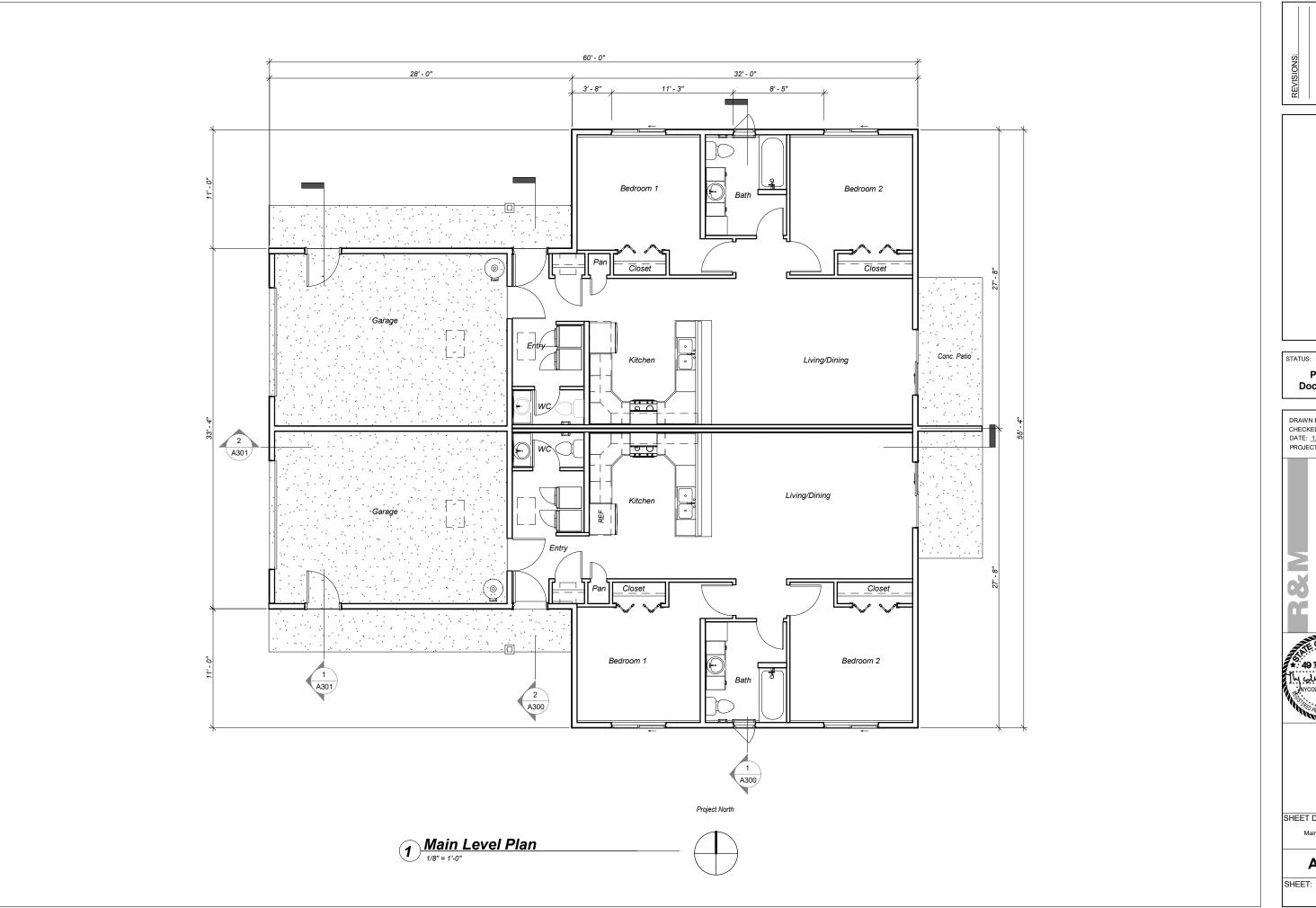
DRAWN BY: NMG
CHECKED BY: NMG
DATE: 1.31.23
PROJECT #: 222321.04



SHEET DESCRIPTION: Site Plan

A100

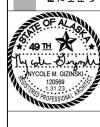
SHEET:



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Permit **Documents**

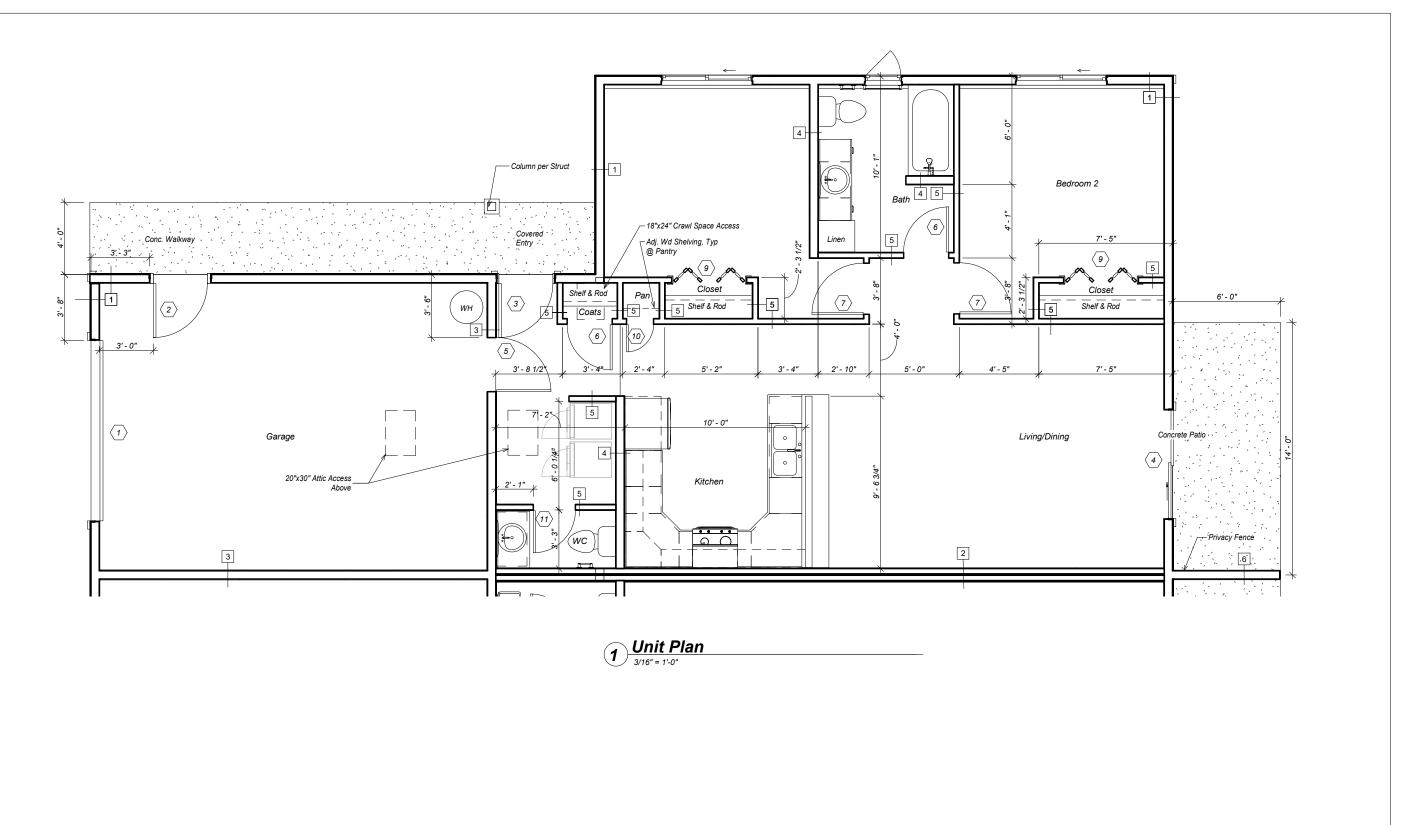
DRAWN BY: NMG
CHECKED BY: NMG
DATE: 1.31.23
PROJECT #: 222321.04



SHEET DESCRIPTION: Main Floor Plan

A200

SHEET:



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STATUS: Permit Documents

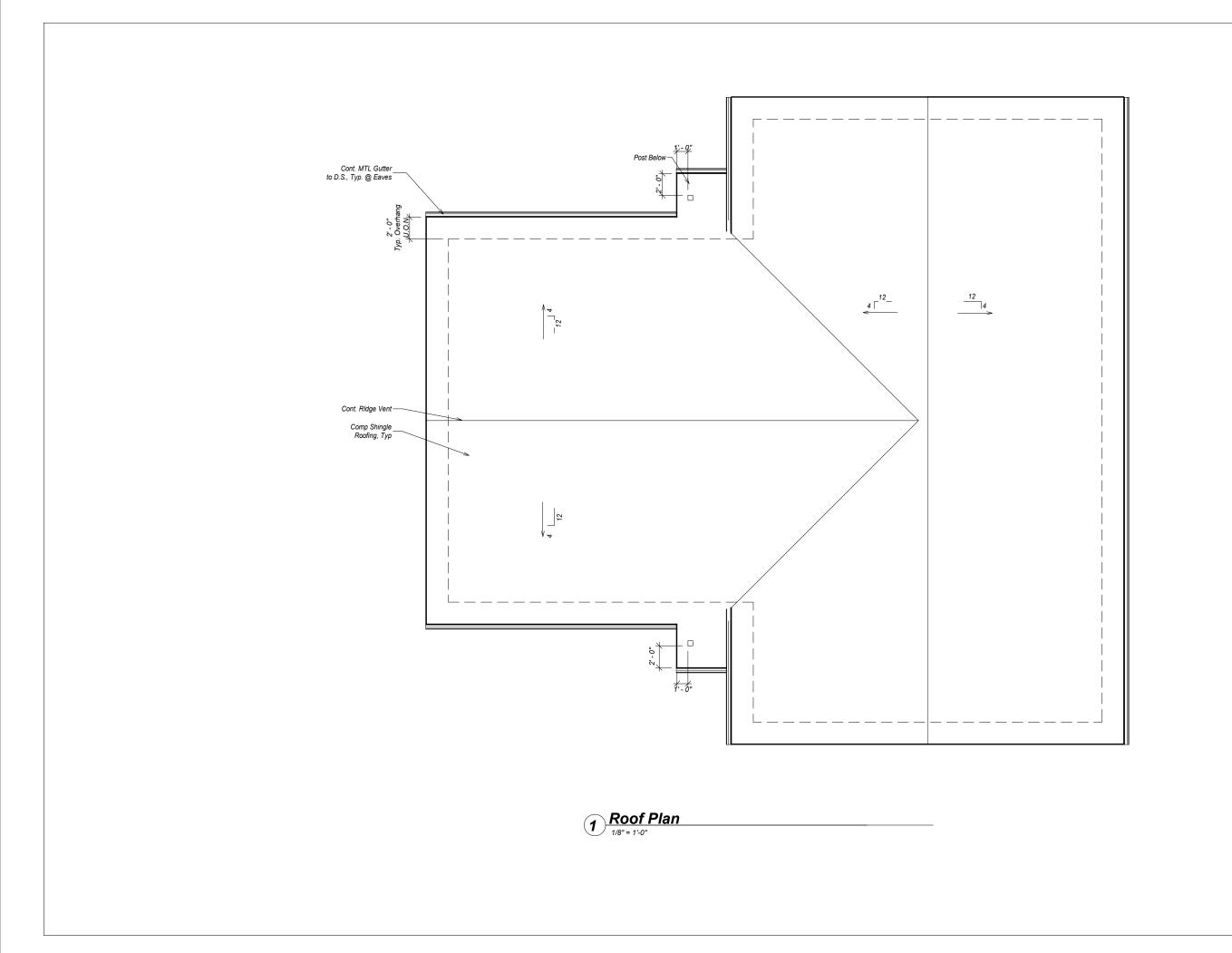
> DRAWN BY: NMG
> CHECKED BY: NMG DATE: 1.31.23

PROJECT #: 222321.04

SHEET DESCRIPTION: Unit Plan

A201

SHEET:



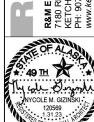
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PROJECT #: 222321.04

NGINEERING-KETCHIKAN, IN EVILLA ROAD, SUITE 300 IKAN, ALASKA 99901 7.225.7917

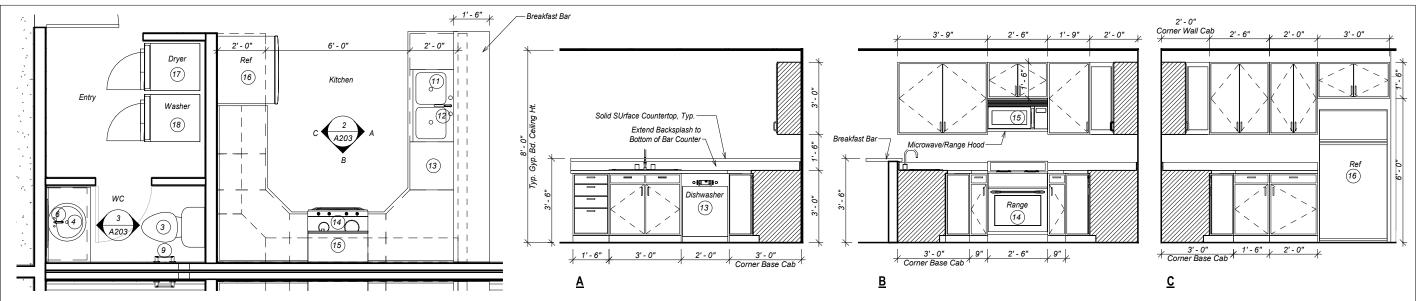


SHEET DESCRIPTION:

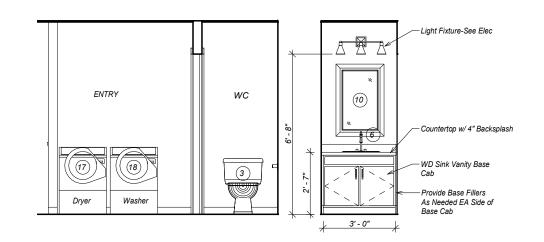
Roof Plan

A202

SHEET:



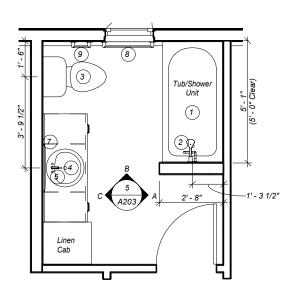
2 Interior Elevations - Kitchen 1 Kitchen/ WC Plan



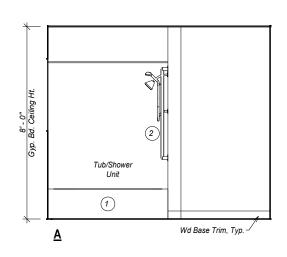
Plumbing Fixture & Accessory Schedule Type Mark Dimensions (WxDxH) Model Remarks Description Manufacturer 60"x30"x72-3/4" Tub/Shower Unit 61040120 ADA Shower Faucet Delta T17493-1 Toilet, Insulated Kohler K-3999-U Sink American Standard 0475.020 Faucet B510LF Vanity Faucet 35891LF Medicine Cabinet 24-1/8"x36-1/8"x4-3/4" Kohler K-2936-PG 24" Towel Bar Delta 73324 Toilet Paper Holder Delta 73350 23 1/2"x32" Mirror Kohler K-99650 K-3145-4 Kohler B510LF Delta Faucet

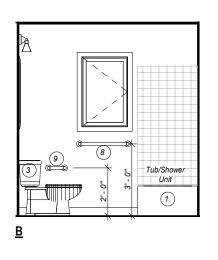
		Appliance	Schedule		
Type Mark	Description	Dimensions (WxDxH)	Manufacturer	Model	Remarks
13	Dishwasher	23-7/8"x24-1/2"x33-1/2"	Whirlpool	WDF520PADW	
14	30" Range, Electric	29 7/8"X47"X26 1/4"	GE	JBS160DMWW	
15	Combo Microwave/Exhaust Hood	29 7/8"X15 1/4"X15 3/4"	GE	JVM3160DFWW	
16	Refrigerator	29 3/4"X65 1/2" 33 3/8"	LG	LTCS20020W	
17	Dryer, Front Loaded	23 5/8"X33 1/2"X26 5/8"	Samsung	DV22N6800HW	
18	Washer, Front Loaded	23 5/8"X33 1/2"X26 5/8"	Samsung	WW22K6800AW	

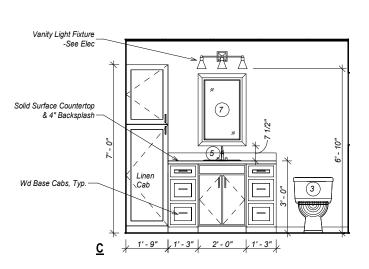
3 Interior Elevations - Entry/WC



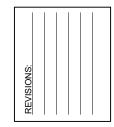
Bath - Plan







5 Interior Elevations - Bath



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STATUS:

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M ENGINEERING-KETCHIKAN, II O REVILLA ROAD, SUITE 300 ICHIKAN, ALASKA 99901 907.225:7917 R&M EN 7180 RE KETCHII PH: 907. 0



SHEET DESCRIPTION: Enlarged Plans

A203

SHEET:



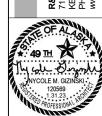
STATUS:

Documents

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R&M ENGINEERING-KETCHIKAN, IN 7180 REVILLA ROAD, SUITE 300 KETCHIKAN, ALASKA 99901 PH: 907.225.7917 www.ketchikanengineer.com Reg

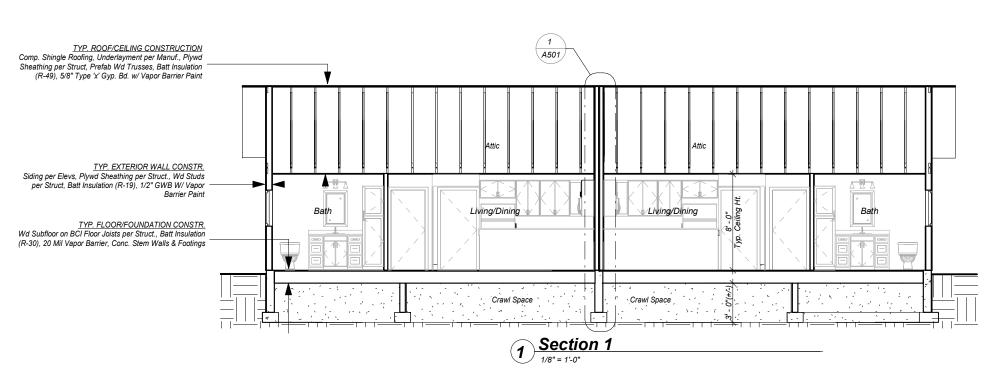


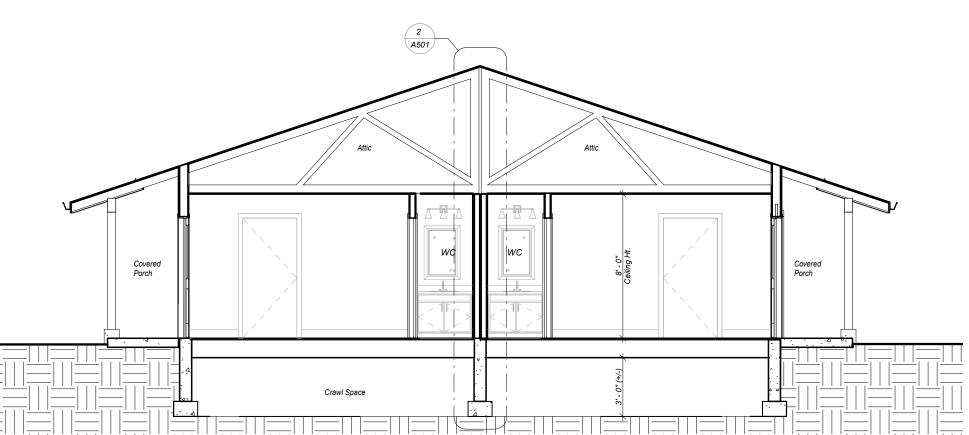
SHEET DESCRIPTION:

A300

SHEET:

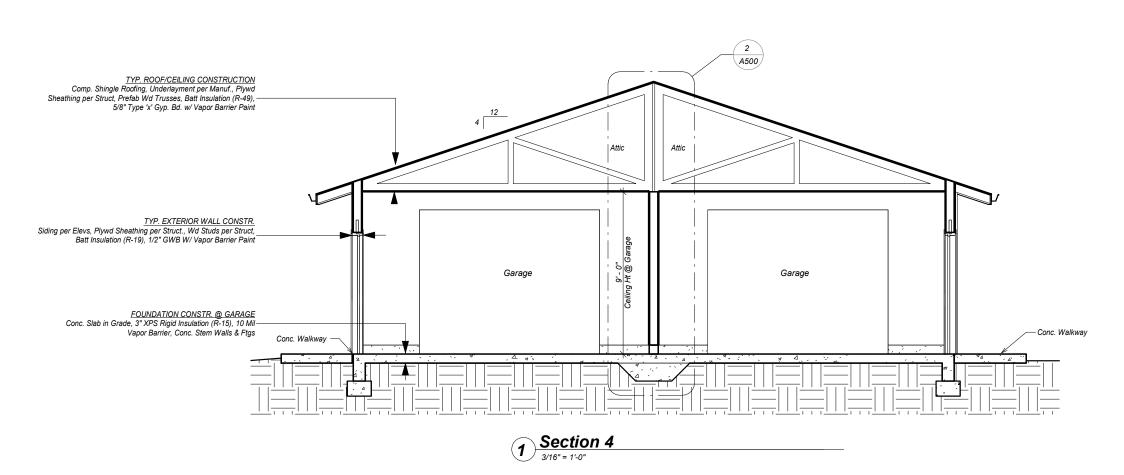
09 of xx

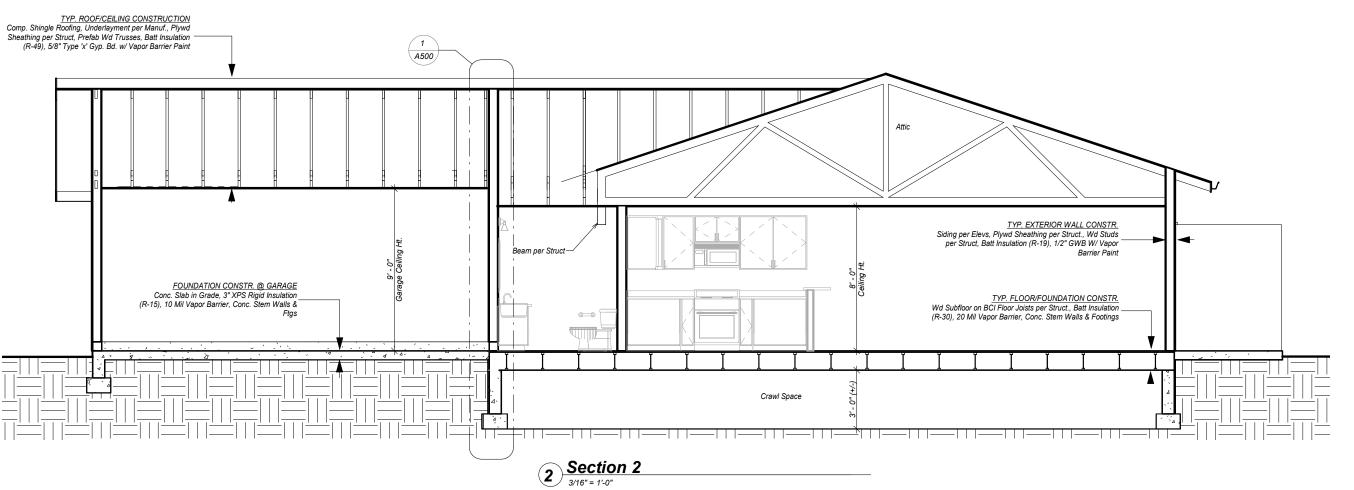




Section 3
3/16" = 1'-0"

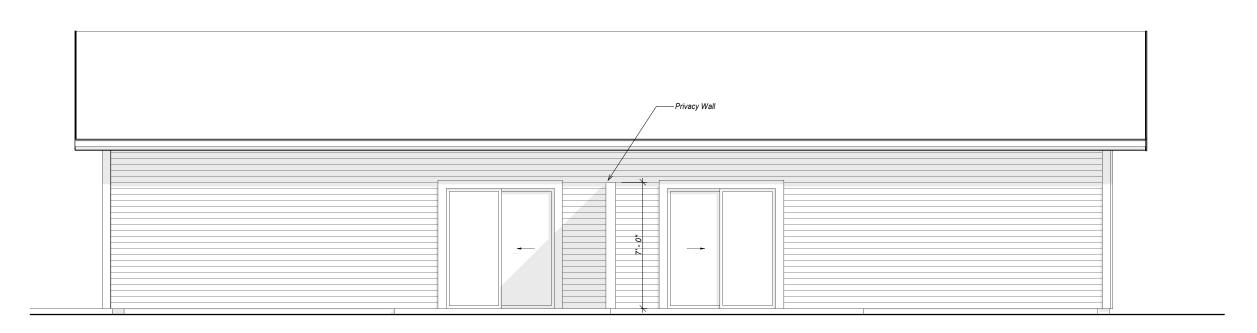
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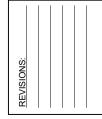








West Elevations
3/16" = 1'-0"



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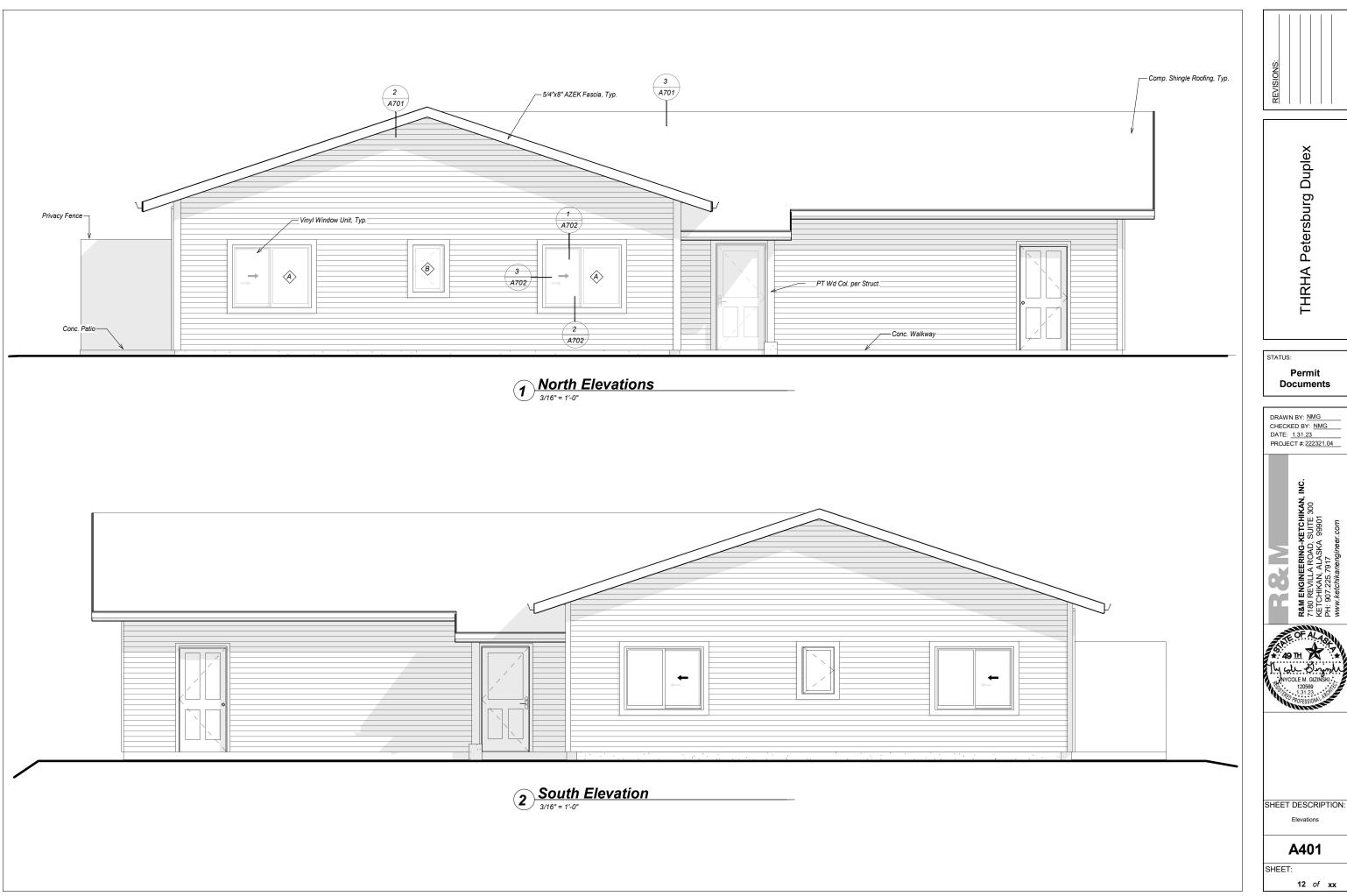
DRAWN BY: NMG
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DATE: 1.31.23
PROJECT #: 222321.04

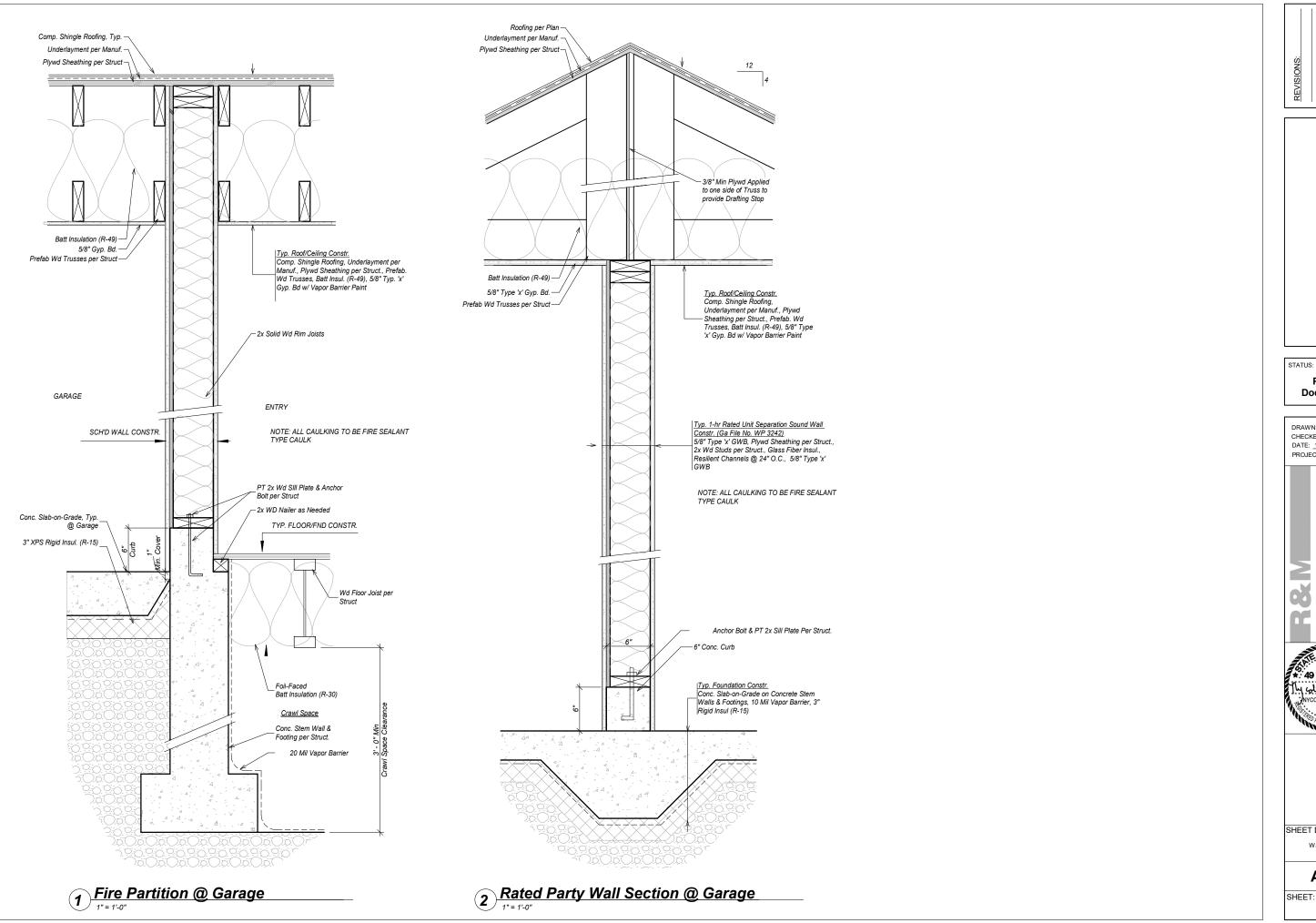


SHEET DESCRIPTION:

A400

SHEET:





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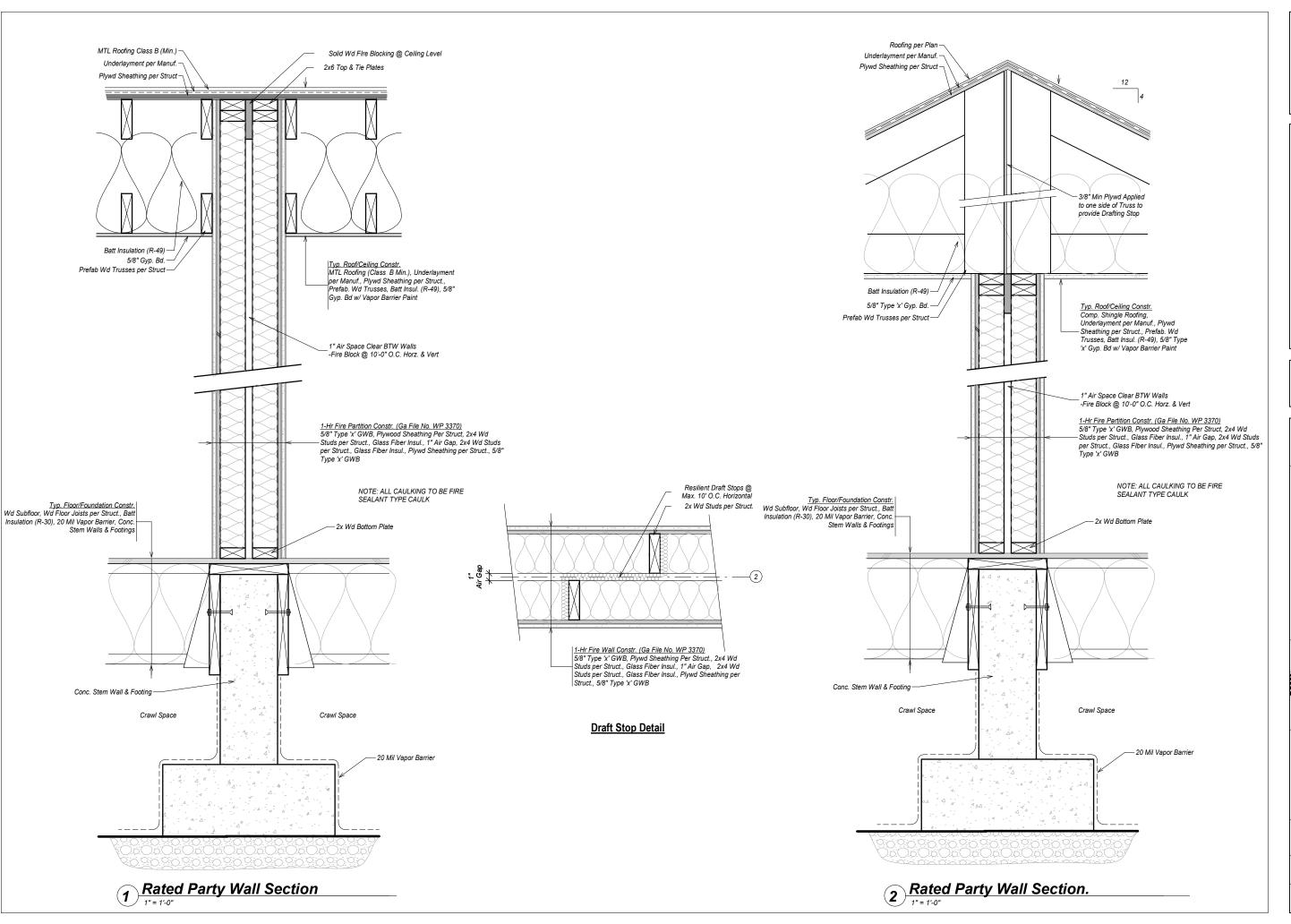
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SHEET DESCRIPTION: Wall Sections

A500





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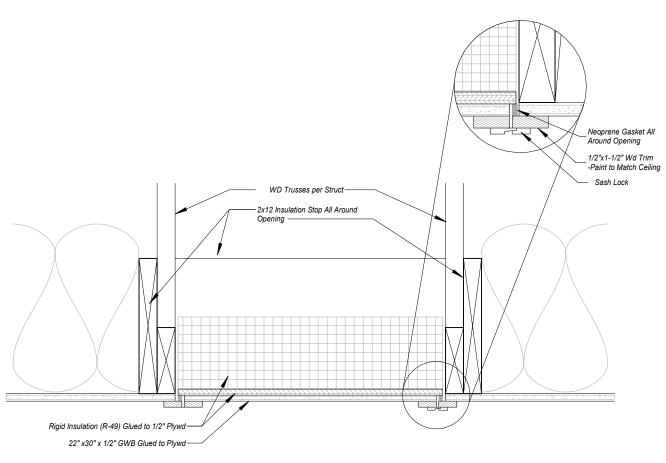
M ENGINEERING-KETCHIKAN, INC 0 REVILLA ROAD, SUITE 300 TCHIKAN, ALASKA 99901 907.225.7917



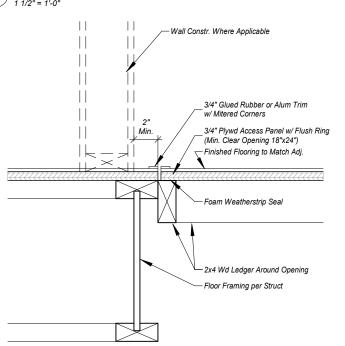
SHEET DESCRIPTION:
Wall Sections

A501

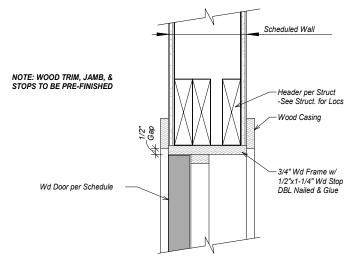
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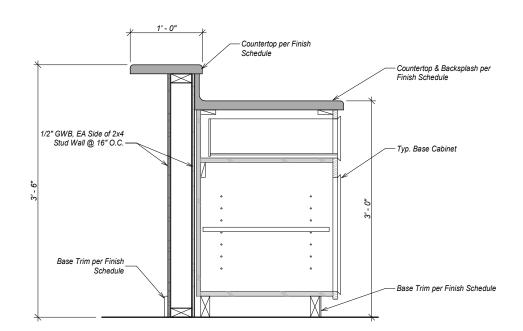
1 Attic Access Hatch Detail



2 Crawl Space Hatch Detail



3 Interior Door Head



4 Breakfast Bar Detail

REVISIONS:

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STATUS:

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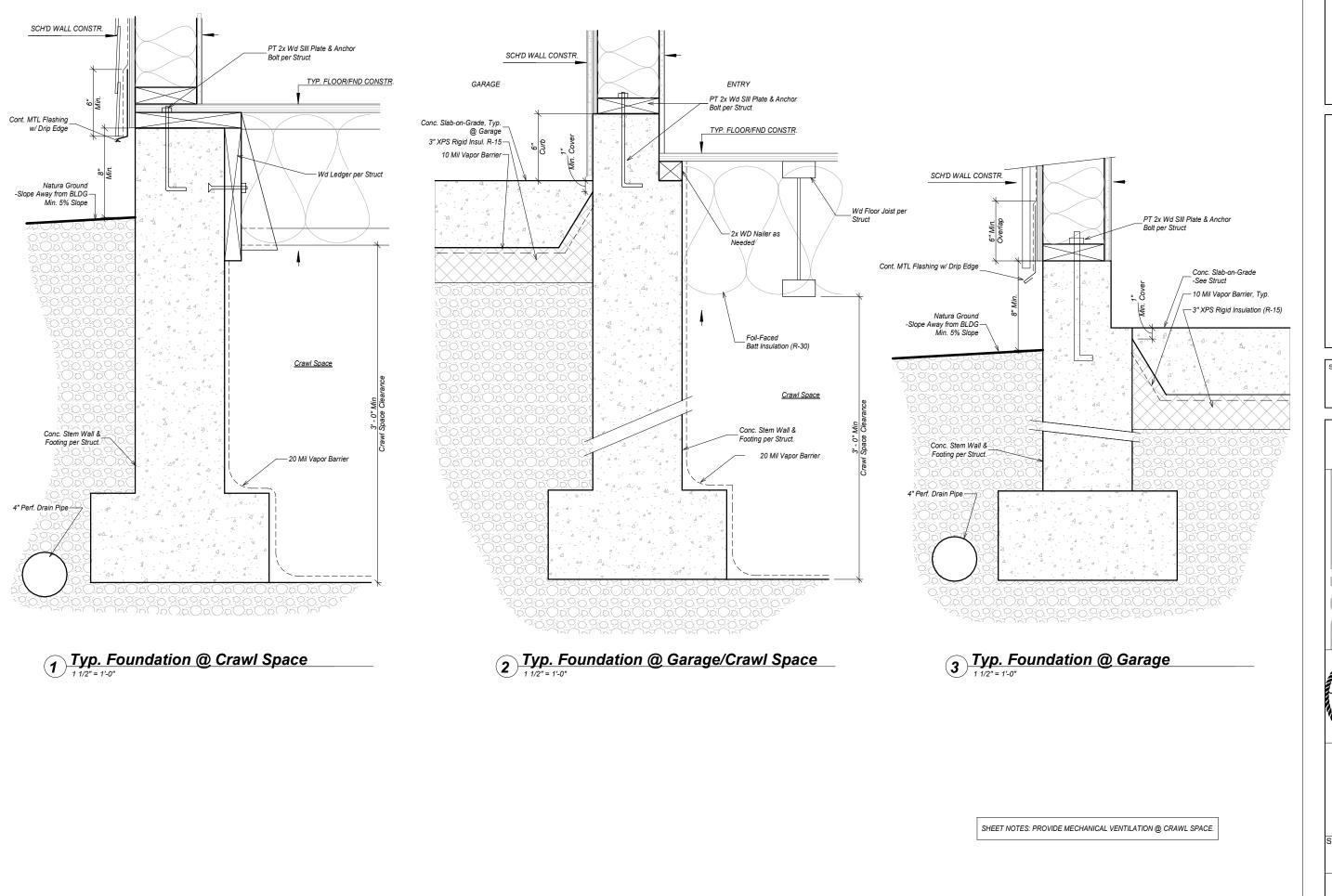


SHEET DESCRIPTION: Interior Details

SHEET:

15 of xx

A600



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STATUS:

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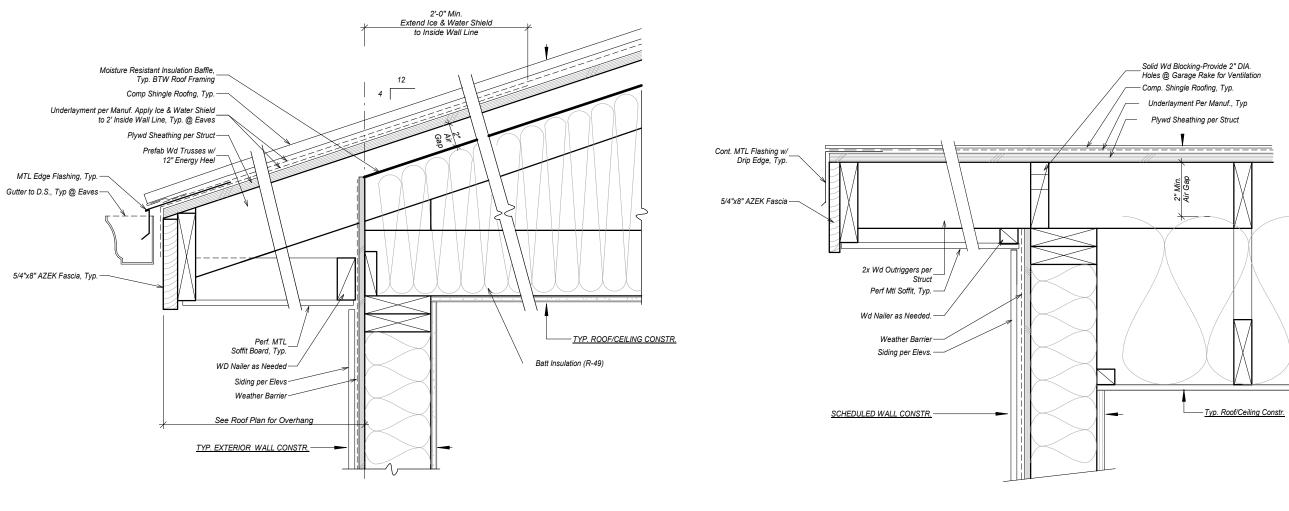
DRAWN BY: NMG
CHECKED BY: NMG
DATE: 1.31.23
PROJECT #: 222321.04

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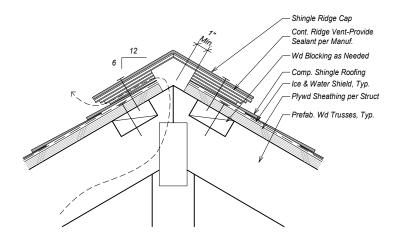
SHEET DESCRIPTION:

A700 SHEET:



1 Typ. Eave Detail

2 Typ. Rake Detail



3 Typ. Ridge Detail



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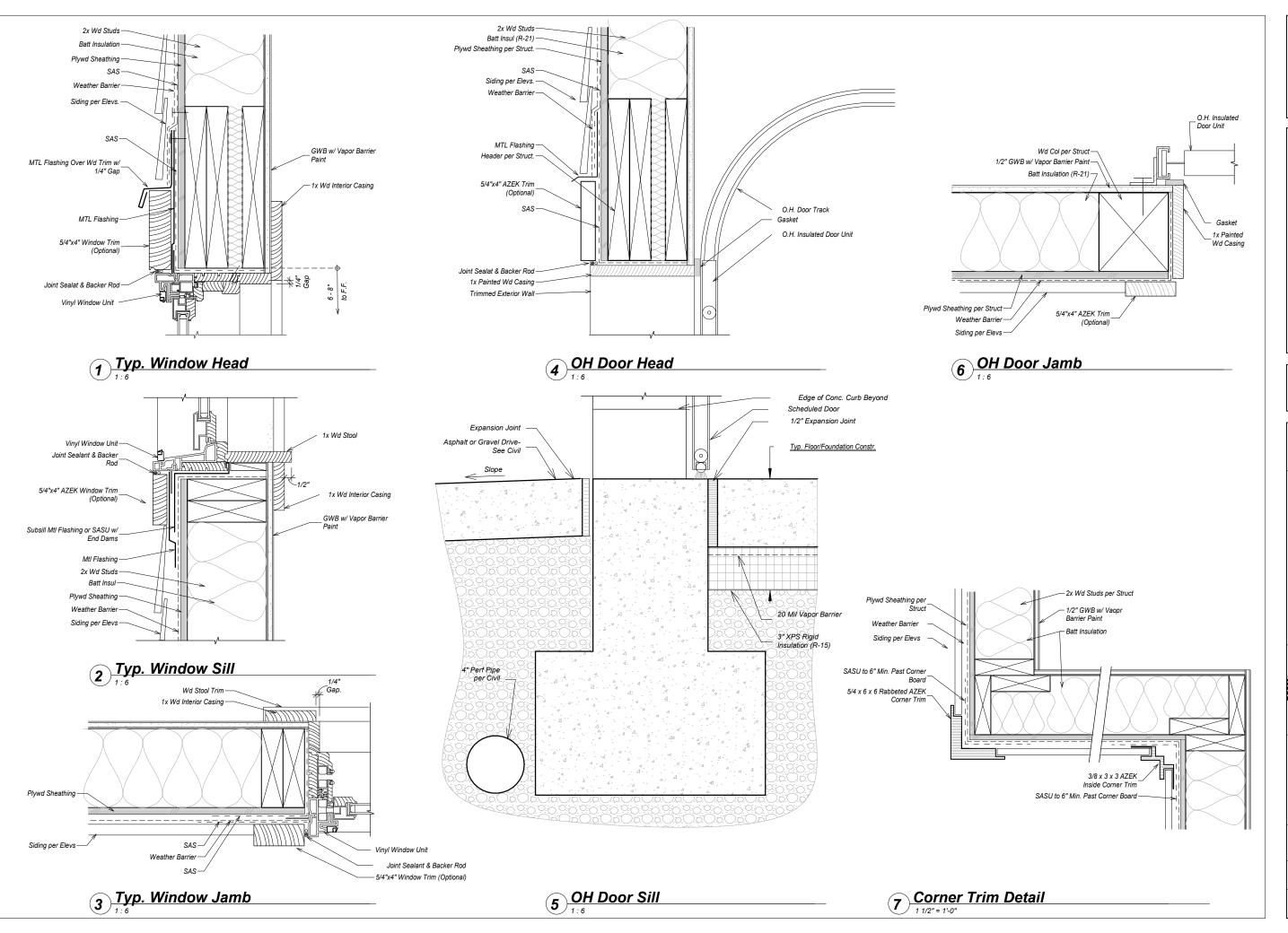
I ENGINEERING-KETCHIKAN, IN REVILLA ROAD, SUITE 300 CHIKAN, ALASKA 99901

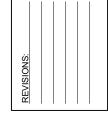


SHEET DESCRIPTION:

A701

SHEET:





THRHA Petersburg Duplex

STATUS:

Permit Documents

DRAWN BY: NMG
CHECKED BY: NMG
DATE: 1.31.23
PROJECT #: 222321.04

SM ENGINEERING-KETCHIKAN, INC. 80 REVILLA ROAD, SUITE 300 TTHIKAN, ALASKA 99901 THIKAN, ALASKA 99901 THIKAN WEATHIVAN THIKAN THI



SHEET DESCRIPTION:

A702

SHEET:

GENERAL STRUCTURAL NOTES

GENERAL

BUILDING CODE: ALL MATERIALS, WORKMENSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (IRC), 2021 EDITION.

STANDARDS: REFERENCE TO ASTM AND OTHER STANDARDS SHALL MEAN THE LATEST EDITION IN EFFECT ON THE BID DATE, UNLESS NOTED IN THESE DOCUMENTS OR DESIGNATED BY THE GOVERNING CODE.

LOADS AND CRITERIA

GRAVITY: IN ADDITION TO THE SELF WEIGHT, THE FOLLOWING WERE USED FOR DESIGN:

AREA	UNIFORM LIVE LOAD (PSF)
RESIDENTIAL AREAS	40

SNOW DESIGN DATA:

FLAT-ROOF SNOW LOAD	$P^f = 50 psf$
SNOW EXPOSURE FACTOR	$C^{e} = 0.9$
SNOW LOAD IMPORTANCE FACTOR	$I^s = 1.0$
THERMAL FACTOR	$C^f = 1.0$
RAIN-ON-SNOW SURCHARGE	= 0 PSF
SLOPED ROOF SNOW LOAD	Ps = 50 PSF

WIND DESIGN DATA (GOVERNS DESIGN OF LATERAL FORCE RESISTING SYSTEM):

EAPUSURE CALLEGORY		
--------------------	--	--

SEISMIC DESIGN DATA

MAPPED SPECTRAL RESPONSE	Ss = 0.285 %g S1 = 0.278 %g
SPECTRAL RESPONSE COEFFICIENTS	Sds = 0.298 %g
SEISMIC DESIGN CATEGORY	Sd1 = 0.301 %g C

SHOP DRAWINGS AND SUBMITTALS SHALL BE SUBMITTED FOR REVIEW PRIOR TO FABRICATION OR CONSTRUCTION OF THESE ITEMS:

CONCRETE MIX DESIGN	
CONCRETE REINFORCING	JOIST FRAMING

CONTRACTOR SHALL REVIEW AND STAMP SUBMITTALS PRIOR TO SUBMISSION. IF SHOP DRAWINGS DIFFER FROM DESIGN SHOWN ON STRUCTURAL DRAWINGS, THEY SHALL BE SEALED BY THE ALASKA STATE REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN. DIMENSIONS AND QUANTITIES ARE CONTRACTOR'S RESPONSIBLITY AND WILL NOT BE REVIEWED. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS PLACED PRIOR TO RECEIPT OF REVIEWED SUBMITTALS. CONTRACTOR SHALL ALLOW SUBFLICIENT TIME FOR REVIEW

NOTE:

SUBMIT TRUSS CALCULATIONS AND LAYOUT PLAN TO ENGINEER OF RECORD FOR APPROVAL PRIOR TO SUBMITTAL TO CITY. PLANS AND CALCULATIONS TO BE APPROVED BY CITY PRIOR TO REQUESTING FRAME INSPECTION.

SOIL BEARING PRESSURE: 3000 PSF (IBC TABLE 1804.2) SOIL BEARING IS BASED ON THREE TEST PITS EXCAVATED TO THE NATIVE BEACH GRAVEL WHICH CONFIRMED THE SITE WAS FILLED WITH SHOT ROCK FILL.

SPECIAL INSPECTION CONTRACTOR SHALL PROVIDE SPECIAL INSPECTION FOR THE FOLLOWING: SOIL SUBGRADE GENERAL FRAMING REBAR PLACEMENT CONCRETE PLACEMENT STRUCTURAL HOLD DOWNS ROCK BOLTS (SEE NOTE BELOW)

SUMMARY OF BUILDING INSPECTION (PUR-102)

CONCRETE

REFERENCE STANDARDS: CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS, EXCEPT AS MODIFIED BELOW:

ACI 301	"STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE"
ACI 318	"BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
ACI 304	"GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE
ACI 311	"GUIDE FOR CONCRETE INSPECTION"

MATERIALS:

CEMENT	ASTM C150, C595
AGGREGATE	ASTM C33
ADMIXTURES	ASTM C260, C494, & C

FLY ASH ASTM C618, CLASS "F" OR "C"

AGGREGATES THAT EXHIBIT DELETERIOUS ACTIVITY WHEN EVALUATED IN ACCORDANCE WITH ASTM C33 APPENDIX XI SHALL NOT BE USED. SAND EQUIVALENT FOR FINE AGGREGATE SHALL NOT EXCEED 75.

MAXIMUM LOSS ON IGNITION SHALL BE 1%.

CONCRETE SHALL BE PROPORTIONED TO ACHIEVE A WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. MIX DESIGNS SHALL BE SUBMITTED FOR REVIEW PRIOR TO USE. COMPLY WITH IBC SECTION 1905. MIXES SHALL MEET OR EXCEED THE FOLLOWING CRITERIA:

TYPE OF CONSTRUCTION	COMPRESSIVE STRENGTH (fc)	TEST AGE	MAXIMUM WATER/CEMENT RATIO
FOOTINGS, TOPPING SLABS, RETAINING AND FOUNDATION WALLS, CONCRETE ON METAL DECK, WALLS	4,000 PSI	28 DAYS	0.50

ADMIXTURES: ALL CONCRETE, INCLUDING SLAB ON GRADE, SHALL HAVE A WATER-REDUCING ADMIXTURE COMPLYING WITH ASTM C-494 ADDED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. CALCIUM CHLORIDE OR OTHER CHLORIDE ADMIXTURES SHALL NOT BE USED.

ALL HORIZONTAL SURFACE EXPOSED TO WEATHER SHALL CONTAIN AN AIR-ENTRAINING AGENT COMPLYING WITH ASTM C260. THE AMOUNT OF ENTRAINED AIR SHALL BE 5% +/- 1 1/2% BY VOLUME. TESTS FOR AIR CONTENT SHALL BE MADE AT THE DISCHARGE END OF THE PLACING HOSE IN ACCORDANCE WITH ASTM C173.

WATER/CEMENT RATIO SHALL BE MEASURED BY WEIGHT AND BE BASED ON TOTAL CEMENTITIOUS MATERIAL, INCLUDING CEMENT AND POZZOLANS SUCH AS FLY ASH AND SILICA FLIME.

MAXIMUM AGGREGATE SIZE SHALL BE 1 1/2". BUT NOT MORE THAN 3/4 TIMES THE CLEAR DISTANCE BETWEEN REINFORCING BARS NOR 1/5 TIMES THE NARROWEST DIMENSION BETWEEN SIDES OF FORMS. MAXIMUM AGGREGATE SIZE FOR SLABS ON GRADE SHALL BE 1/3 TIMES THE SLAB THICKNESS.

SLUMP REQUIRED FOR PROPER PLACEMENT SHALL BE DETERMINED BY CONTRACTOR AND SUPPLIER, AND INCLUDED IN MIX DESIGN SUBMITTALS. FIELD MEASURED SLUMP SHALL CONFORM TO SUBMITTED CONCRETE MIX DESIGN. SLUMP SHALL CONFORM TO ASTM C94.

EMBEDDED ITEMS: CONDUIT AND SLEEVES SHALL NOT BE EMBEDDED IN OR PASS THROUGH CONCRETE WITHOUT APPROVAL. ALUMINUM ITEMS SHALL NOT BE EMBEDDED IN CONCRETE. SUBMIT CONDUIT LAYOUTS AND EMBEDDED ITEM PLANS FOR REVIEW PRIOR TO PLACING CONCRETE.

CONSTRUCTION JOINTS IN WALLS SHALL BE KEYED IN ACCORDANCE WITH TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON DRAWINGS OR, AT CONTRACTOR'S OPTION, SHALL BE AN INTENTIONALLY ROUGHENED CONSTRUCTION JOINT DEFINED BY THE FOLLO

- SURFACE OF JOINT SHALL BE SAND BLASTED OR ROUGHENED WITH A
- CHIPPING HAMMER TO EXPOSE AGGREGATE EMBEDDED IN PREVIOUS POUR 2. EXPOSED AGGREGATE SHALL BE CLEANED AND LAITANCE REMOVED.
- 3. JOINT SURFACE SHALL BE CLEANED AND LAITANCE REMOVED.
- JOINT SHALL BE WETTED AND STANDING WATER REMOVED IMMEDIATELY BEFORE NEW CONCRETE IS PLACED.

CONSTRUCTION JOINTS WHEN REQUIRED SHALL BE IN ACCORDANCE WITH ACI 6.4. SUBMIT JOINT LAYOUT PLAN FOR REVIEW PRIOR TO PLACING CONCRETE.

CONCRETE REINFORCEMENT

REFERENCE STANDARDS: CONCRETE REINFORCEMENT SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS, EXCEPT AS MODIFIED BY ANY

ACI 301 ACI SP-66 ACI 318 CRSI CRSI WRI

MATERIALS:

DEFORMED BARS ASTM A615, GRADE 60
SMOOTH WELDED WIRE BAR SUPPORTS ASTM A185, 65 KSI YIELD
CONFORM TO CHAPTER 3, CRSI MSP-1

REINFORCING STEEL SHALL BE PLACED AND SUPPORTED IN ACCORDANCE WITH CRSI MSP-1. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI SP-66. NO BENDING OR STRAIGHTENING OF REINFORCEMENT WILL BE PERMITTED AFTER PARTIAL EMBEDMENT IN CONCEPTE

BAR SIZE	#4	#5
L	30"	37.5"
L _D 18"	22.5"	

WELDING OR TACK WELDING OF REINFORCING BARS TO OTHER BARS OR TO PLATES, ANGELS, ETC IS PROHIBITED, EXCEPT WHERE SPECIFICALLY APPROVED. WHERE WELDING IS APPROVED, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E9018 ELECTRODES. WELDING PROCEDURES SHALL COMPLY WITH AWS-D1.4.

CONCRETE COVER: UNLESS NOTED OTHERWISE, MINIMUM COVER FOR REINFORCING SHALL BE:

ELEVATED SLABS	3/4" (1" AT FIRE-RESISTIVE RATING > 2 HOURS
SLABS ON GRADE	2" BOTTOM

INTERIOR WALL FACES 3/4"

EXPOSED FORMED WALL FACES 1 1/2" (#5 AND SMALLER), 2" (#6 & LARGER)
FOOTINGS 3" (2" TOP AND FORMED SIDER)

FEAMS COLLIMNS 1 1/2" (TO TIES SPIRALS STIRRUPS)

FIBROUS REINFORCEMENT: POLYPROPYLENE FIBROUS REINFORCEMENT ("FIBERMESH", "GRACE FIBERS", OR APPROVED EQUAL) SHALL BE USED WHERE NOTED ON THE DRAWINGS. SUBMIT PROPOSED PRODUCT DATA AND SPECIFICATIONS FOR REVIEW. ADD FIBERS TO CONCRETE MIX AND FINISH IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. COMPLY WITH ASTM C116, TYPE III, PERFORMANCE LEVEL 1. MINIMUM APPLICATION RATE SHALL BE 1.5 LB/CY.

ANCHORAGE

POST-INSTALLED ANCHORS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS AND NOTED ICC-ES REPORTS. SUBSTITUTES PROPOSED BY CONTRACTOR SHALL BE SUBMITTED FOR REVIEW WITH ICC-ES REPORTS INDICATING EQUIVALENT OR GREATER LOAD CAPACITIES. ALLOWABLE EPOXY PRODUCTS INCLUDE HILTI HY-150 OR APPROVED EQUAL.

NO REINFORCING BARS SHALL BE CUT TO INSTALL ANCHORS. ALL DEFECTIVE ANCHOR HOLES SHALL BE GROUTED WITH EPOXY ADHESIVE AND A NEW HOLE DRILLED A MINIMUM OF 3 BOLT DIAMETERS AWAY.

WOOD

REFERENCE STANDARDS: WOOD FRAMING SHALL CONFORM TO ALL REQUIREMENTS OF THE FOLLOWING DOCUMENTS, EXCEPT AS MODIFIED BELOW:

AITC AF & PA

PLYWOOD: WOOD STRUCTURAL PANELS SHALL CONFORM TO REQUIREMENTS OF U.S. DEPARTMENT OF COMMERCE PS-1 OR PS-2. EACH PANEL SHALL BEAR THE AMERICAN PLYWOOD ASSOCIATION (APS) GRADE MARK. SEE DRAWINGS FOR GRADE AND THICKNESS

SHEATHING: UNLESS NOTED OTHERWISE, ROOF AND FLOOR PANELS SHALL BE INSTALLED WITH LONG DIMENSION PERPENDICULAR TO SUPPORTS AND CONTINUOUS OVER 2 OR MORE SPANS. PLACE NAILS 3/8" FROM PANEL ENDS AND EDGES. DRIVE ALL NAILS FLUSH WITH SHEATHING SURFACE.

USE	SIZE	SPECIES	GRADE
WALL STUDS	2x 3x	HEM-FIR	#2
SILL PLATES	2x 3x	HEM-FIR	#2
JOISTS	2x	HEM-FIR	#2
JOISTS	3x 4x	HEM-FIR	#2
BEAMS/POSTS	4x	HEM-FIR	#2
BEAMS/POSTS	6x	HEM-FIR	#1
T&G DECKING	2x	HEM-FIR	#2

GLUE LAMINATED MEMBERS (GLULAMS) SHALL BE FABRICATED IN CONFORMANCE WITH U.S. PRODUCT STANDARD PS 56-73 AND AITC STANDARD SPECIFICATIONS FOR STRUCTURAL GLUED LAMINATED TIMBER OF SOFTWOOD SPECIES, MANUFACTURING REQUIREMENTS AITC 117-93. EACH MEMBER SHALL BEAR AN AITC OF CONFORMANCE. GLULAMS SHALL BE ARCHITECTURAL GRADE WITH STRENGTH GRADES AS NOTED BELOW:

BEAMS: 24F-E11 (Fb=2400 PSI, Fv=195 PSI, E=1800 KSI)

ENGINEERED WOOD JOISTS: DESIGN SHOWN ON DRAWINGS IS BASED ON JOISTS MANUFACTURED BY BOISE CASCADE. SUBSTITUTES SHALL BE SUBMITTED WITH A CURRENT ICC-ES EVALUATION REPORT AND AN ITEMIZED SUBSTITUTION LIST FOR APPROVAL. JOIST SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURERS INSTRUCTIONS. ALL NECESSARY ACCESSORIES, SUCH AS BRIDGING, BLOCKING AND STIFFENERS. SHALL BE FURNISHED BY THE MANUFACTURER.

ENGINEERED LUMBER: DESIGN SHOWN ON DRAWINGS IS BASED ON LUMBER MANUFACTURED BY BOISE CASCADE SUBSTITUTES SHALL BE SUBMITTED WITH A CURRENT ICC-ES EVALUATION REPORT AND AN ITEMIZED SUBSTITUTION LIST FOR APPROVAL.

CONNECTORS: DESIGN SHOWN ON DRAWINGS IS BASED ON CONNETEERS MANUFACTURED BY SIMPSON STRONG-TIE IN ACCORDANCE WITH CATALOG C-2004. SUBSTITUTES SHALL BE SUBMITTED WITH A CURRENT ICC-ES EVALUATION REPORT AND AN ITEMIZED SUBSTITUTION LIST FOR APPROVAL. CONNECTORS SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S INSTRUCTIONS.

NAILING NOT SHOWN SHALL BE AS SHOWN IN IBC TABLE 2304.9.1 OR CURRENT ICC-ES REPORT NER-272. MINIMUM NAIL DIMENSIONS SHALL BE AS FOLLOWS:

SIZE	DIAMETER	LENGTH
6d	0.113"	2"
8d	0.131"	2 1/2"
10d	0.148"	3"
12d	0.148"	3 1/4"
16d	0.162"	3 1/2"
20d	0.192"	4"

BOLTS AND LAG SCREWS SHALL CONFORM TO ASTM A307.

WOOD PROTECTION: ALL WOOD MEMBERS EXPOSED TO WEATHER AND SPECIFIED AS "PT" ON THE DRAWINGS SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE. FASTENERS IN TREATED WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED PER ASTM A153, STAINLESS STEEL, SILICON BRONZE OR COPPER.

 $\underline{\sf FLOOR}$ FRAMING: ALL FLOOR FRAMING TO HAVE A MINIMUM LIVE LOAD DEFLECTION LIMIT OF L/480.

REVISIONS:
REV#1: Code 2.23.23

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DATE: 1.31.23
PROJECT #:222321.04

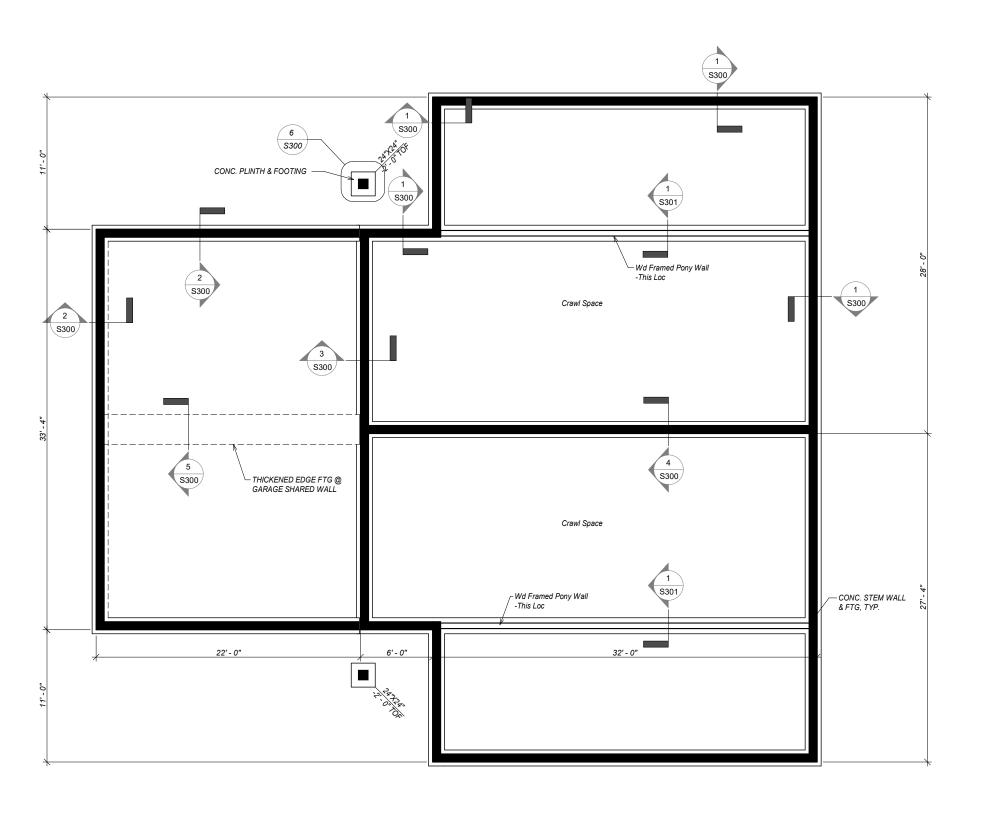
ENGINEERING-KETCHIKAN, II REVILLA ROAD, SUITE 300 HIKAN, ALASKA 99901 07.225.7917



SHEET DESCRIPTION

Structural Notes

S100



1 Foundation Plan
1/8" = 1'-0"

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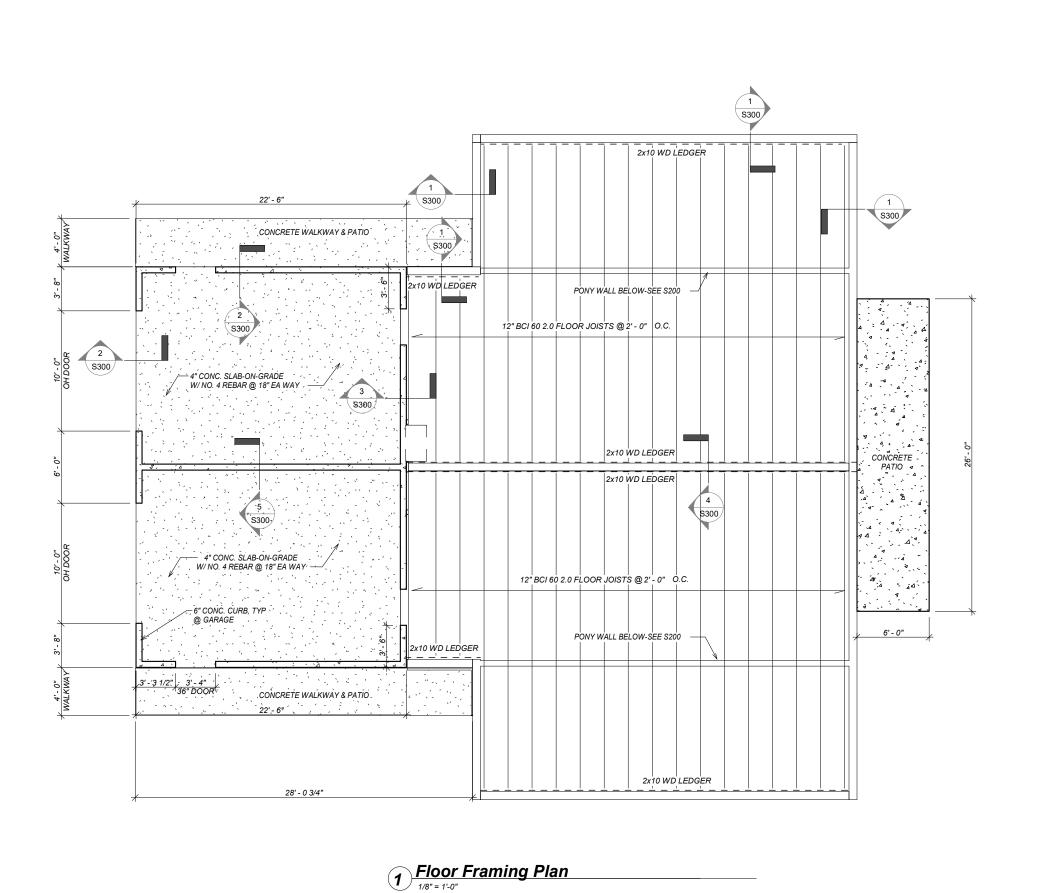


SHEET DESCRIPTION:

Foundation Plan

S200

SHEET:



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SHEET DESCRIPTION: Floor Framing Plan

S201

SHEET:

SHEARWALL SCHEDULE

15/32" CDX STRUCTURAL SHEATHING ONE SIDE. FASTENERS TO BE 10d WITH 1-1/2" PENETRATION INTO FRAMING. OUTSIDE PANEL NAILING TO BE 6", INTERIOR SPACING TO BE 12". MIN 4% AT EACH END OR AS NOTED WITH SIMPSON HHDQ8-SDS3. SILL PLATE BOLTS TO BE 5/8" @ 24" O.C.. SILL PLATE BOLTS AT NON SHEARWALLS LOCATIONS TO BE 5/8" @ 48" O.C.

NOTES:

- FLOOR SHEATHING SHALL BE 1 1/8" T&G APA STURDI-FLOOR, EXP. 1, STRUCTURAL 1, T&G W/ PANEL INDEX 48/24. LONG AXIS PERPENDICULAR TO JOISTS W/ TRANSVERSE JOISTS STAGGERED.
- BEARING WALLS SHALL BE 2"X6" LUMBER BEAMS, SET @ 16" O.C., UNLESS OTHERWISE NOTED.
- INTERIOR WALL SHALL BE 2"X4" LUMBER BEAMS, SET AT 16" O.C., UNLESS OTHERWISE NOTED.
- FLOOR TO FLOOR STRAPPING TO BE SIMPSON CMST12, CLEAR SPAN +90", ON 8' CENTERS ALONG THE EXTERIOR WALLS.
- 5. ALL BEAMS MUST HAVE MINIMUM BEARING LENGTH OF 3"
- 6. INTERIOR HEADERS LOCATED W/IN A NON-BEARING WALL SHALL CONSISTS OF A (2) 2x8 HEADER SUPPORTED BY A (1) 2x (MIN.) JACK STUD @ BOTH ENDS.
- CONTRACTOR TO VERIFY HANGER DIMENSION AND CONFIGURATIONS WITH SIMPSON PRIOR TO CONSTRUCTION. ADDITIONALLY, ALL JOIST HANGERS AND BEAM SUPPORTS SHALL BE APPROVED BY THE DESIGN ENGINEER PRIOR TO CONSTRUCTION.

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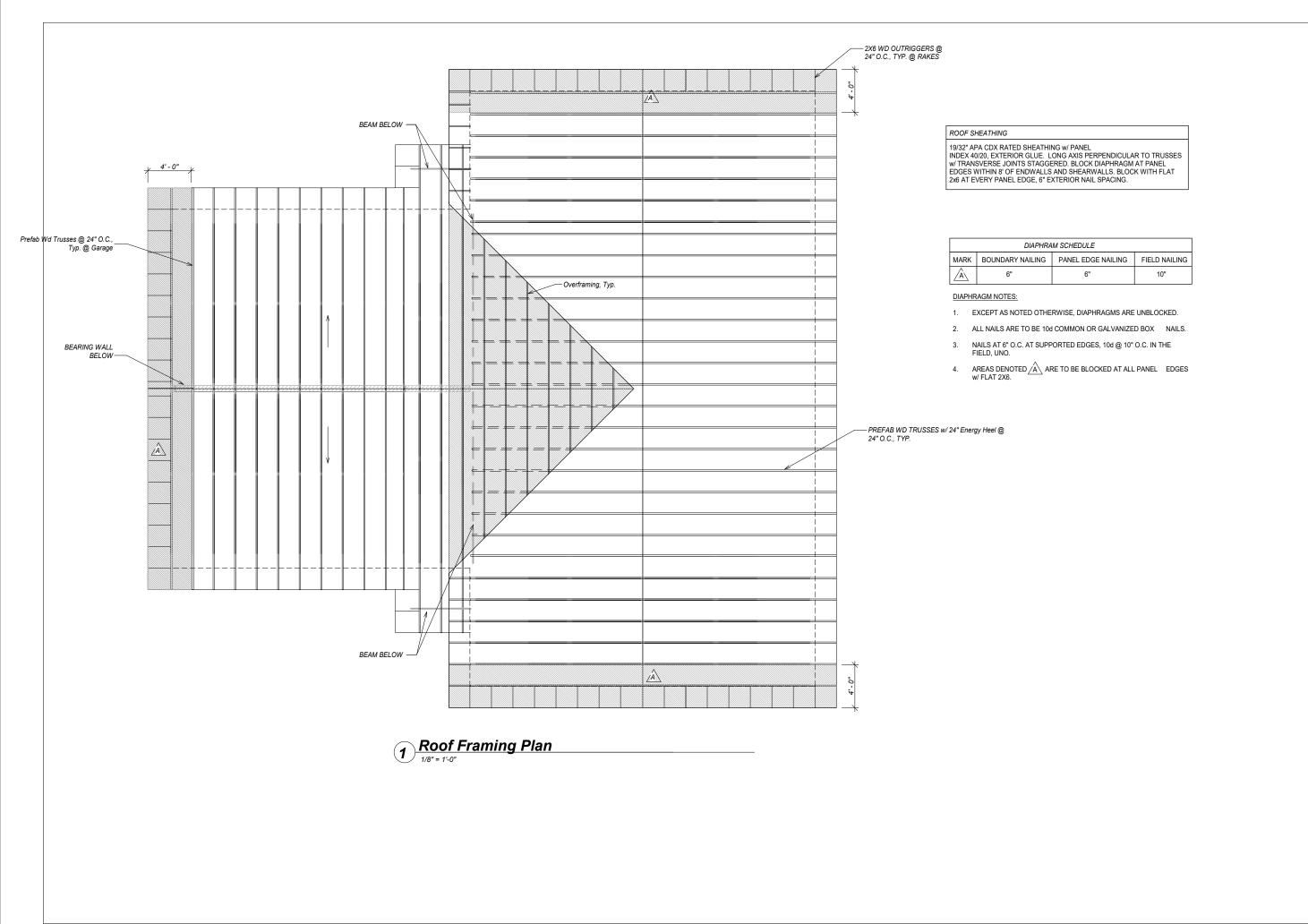
SHEET DESCRIPTION: Header & Shearwall Plan

S202

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SHEET:

1 Shearwall & Header Plan



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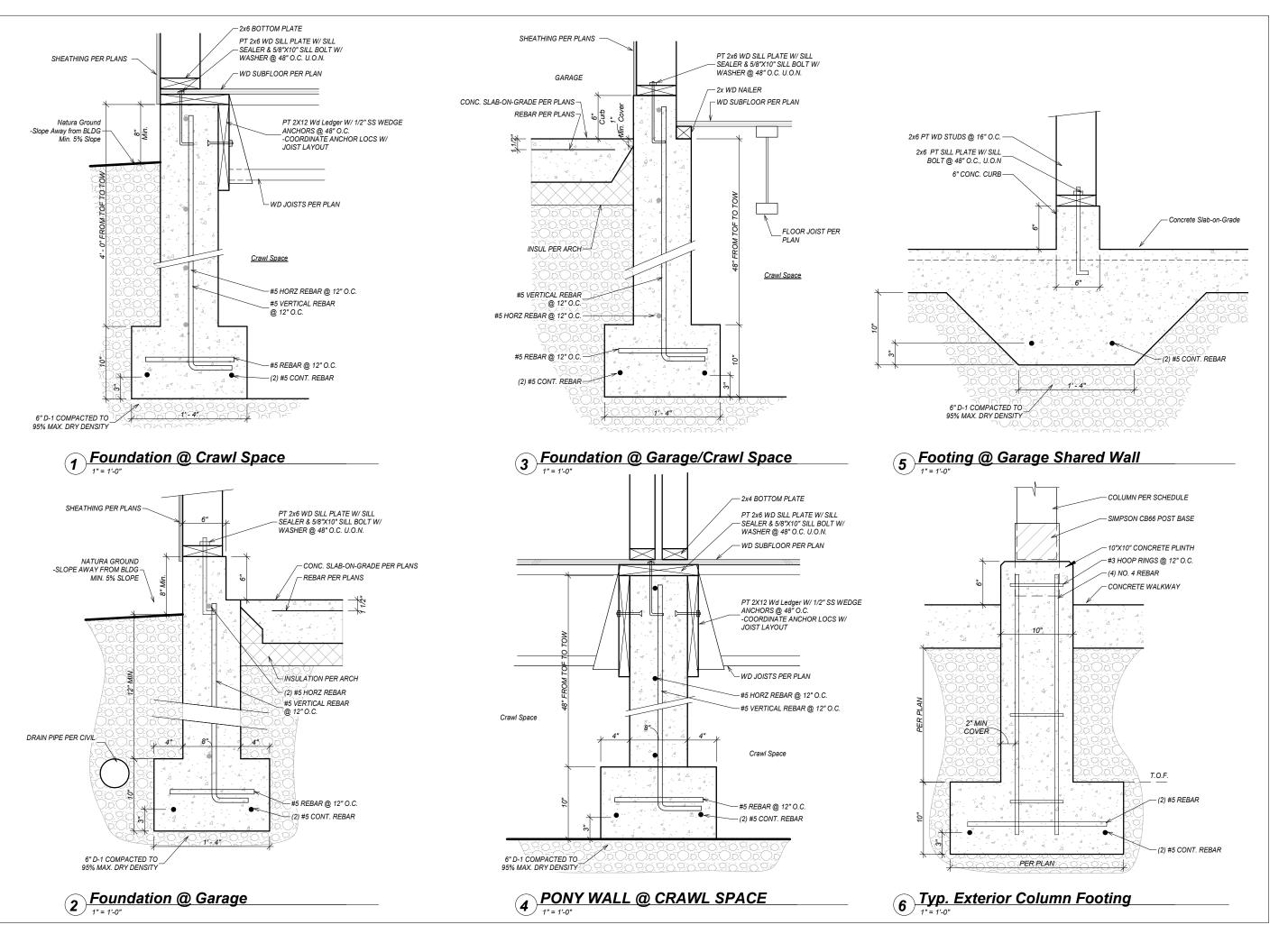


SHEET DESCRIPTION:

Roof Framing Plan

S203

SHEET:



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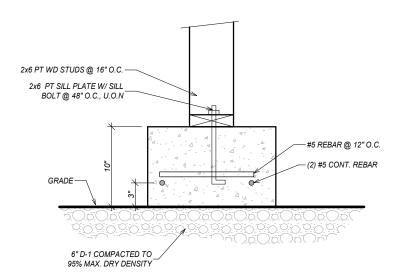


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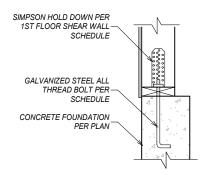
S300

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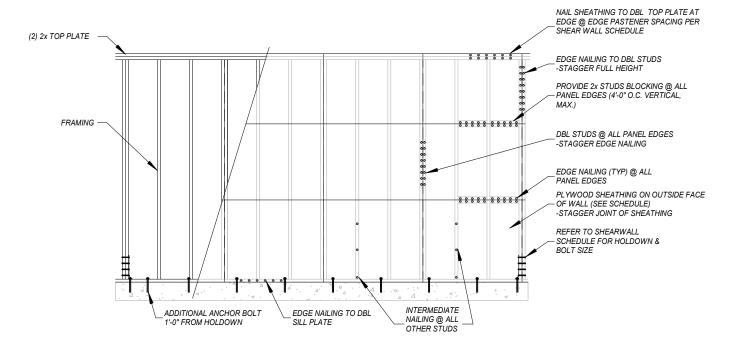
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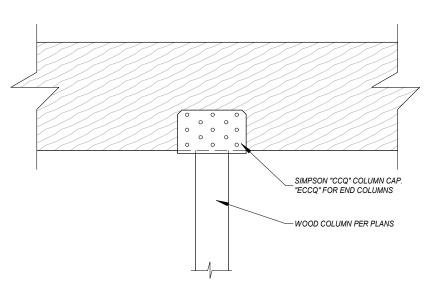


3 Shearwall Holden

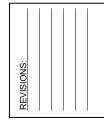


- 1. EXTERIOR PLYWOOD SHEATHING SHALL BE APA RATED, STRUCTURAL 1.
- 2. SEE SHEARWALL SCHEDULE FOR FASTENER SPACING REQUIREMENTS.
- 3. STRUCTURAL PLYWOOD APA RATED SHEATHING PERMITTED TO BE APPLIED EITHER PARALLEL OR PERPENDICULAR TO FRAMING, STAGGER JOINT OF SHEATHING.
- 4. FACE NAIL DOUBLE STUDS 16d AT 6" O.C. FOR SHEAR TRANSFER BETWEEN PANELS.
- 5. ANCHOR BOLT FOR SILL PLATE TO BE 5/8" SIMPSON AT MIN. EMBEDMENT 7" AT 2 FOOT CENTERS, ANCHOR BOLTS TO BE SPACED AT 4 FOOT CENTERS AT NON-SHEARWALL LOCATIONS.









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SHEET DESCRIPTION:

S301

SHEET: