

PLUMBING NOTES

- 1. THE MAXIMUM WATER CONSUMPTION FLOW RATEAND QUANTITIES FOR ALL PLUMBING FIXTURES AND FIXTURE FITTINGS
- SHALL BE IN ACCORDANCE WITH F.B.C. PLUMB'G E2020 COORDINATE WORK OF THIS TRADE WITH ALL OTR TRADES.
- 3. THE MINIMUM SLOPE OF A HORIZONTAL DRAINAGEPE SHALL BE IN ACCORDANCE WITH F.B.C. ED. 2020 4. PROVIDE A CLEANOUT AT THE BASE OF EACH SOIIND WASTE STACK.
- 6. PROVIDE FOR ALL WATER SUPPLIES WITH QUICK-OSING VALVES, WATER HAMMER ARESSTORS PER F.B.C. Ed. 2020
- 7. ALL VENT TERMINATIONS TO COMPLY WITH F.B.C. I. 2020 PROVIDE SCALD PREVENTIVE VALVES AT ALL TUBAND SHOWERS
- 9. IF THE HOT WATER PIPING EXCEEDS 100 FEET FR(THE SOURCE OF HOT WATER SUPPLY TO THE FARTHEST FIXTURE, THE HOT WATER SUPPLY SYSTEM SHALL BE PROVIDED ITH A METHOD OF MAINTAINING THE TEMPERATURE OF HOT WATER TO WITHIN 100 FEET OF THE FIXTURES IN ACCORDAN(WITH F.B.C., PLUMBING, ED. 2020 A THERMAL EXPANSION CONTROL SHALL
- BE A #53C CALIBRATED PRESSURE RELIEF VALVE. 10. A POTABLE WATER SYSTEM SHALL BE DISINFECTBN ACCORDANCE WITH F.B.C. PLUMBING, ED. 2020

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
=	DUPLEX OUTLET MOUNTED @ 18" A.F.F. (UNLESS NOTED OTHERWISE), MOUNTED GROUND PIN DOWN
⇒ GFI	GROUND FAULT CIRCUIT INTERRUPT DUPLEX OUTLET
⇒ W.P.	WEATHER PROOF GROUND FAULT CIRCUIT INTERRUPT DUPLEX OUTLET
↔	WALL SWITCH @ 44" A.F.F.
	RECESSED EXHAUST FAN / LIGHT COMBO FIXTURE
	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
400	EXTERIOR FLOOD LIGHT FIXTURE
0	JUNCTION BOX
	200 amp ELECTRIC BREAKER PANEL
\/	CIRCUITING / SWITCHING
	MAIN DISCONNECT

CEILING PLAN LEGEND

SYMBOL	DESCRIPTION	
	TONGUE AND GROOVE CEILING	
0	RECESSED LED CAN LIGHT FIXTURE	
	SUSPENDED LED LIGHT FIXTURE	

NEW ELECTRIC SERVICE

*ALL OTHER SYMBOLS REFER TO SYMBOLS OR ELECTRICAL LEGEND

NEW SERVICE FEEDER SIZE: (3) 2/0 THWN CU IN 1 1/2" CONDUIT

NEW PANEL SIZE: 42 SPACES MAIN BREAKER SIZE: 200 AMP

PANELBOARD VOLTS / PHASE / WIRE 120 / 240V - 1 PHASE

FED FROM MAIN DISCONNECT

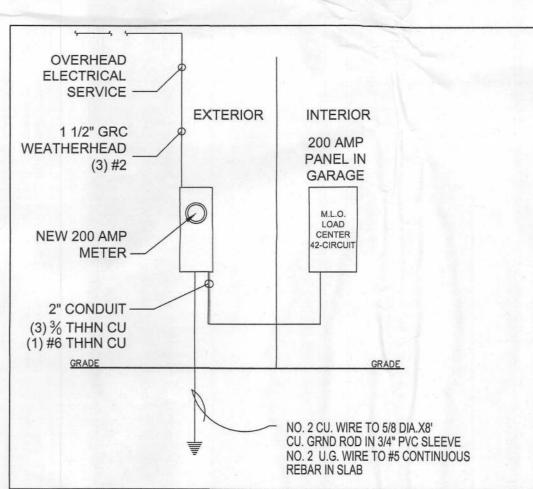
ELECTRICAL CODE NOTES (NEC 2017)

IF NEW BRANCH CIRCUITS ARE ADDED:

- A. ALL 120-VOLT, SINGLE PHASE, 15 AND 20 AMP BRANCH CIRCUITS SUPPLYING OUTLETS INSTALLED IN DWELLING UNIT FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS AR AREAS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT (NEC 210.12(B)).
- TAMPER-RESISTANT RECEPTACLES (NEC 406.11) ARE REQUIRED IN DWELLING UNITS IN ALL AREAS AS SPECIFIED IN 2008 NEC 210.52, ALL 125-VOLT, 15 AND 20 AMP RECEPTACLES

ELECTRICAL/LIGHTING NOTES

- 1. DO NOT SCALE PLANS.
- 2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE, LATEST ADOPTED EDITION, AND SHALL COMPLY WITH 2020 NEC, NFPA 72, FBC 2020 & ALL LOCAL RULES AND ORDINANCES.
- 3. IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- 4. PERFORM ALL WORK BY A LICENSED ELECTRICAL CONTRACTOR IN A NEAT AND WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIVE PRIOR TO ACCEPTANCE BY THE ARCHITECT AND/OR OWNER.
- 5. COORDINATE ALL WORK WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- 6. BREAKER PANELS SHALL HAVE A TYPEWRITTEN PANEL IDENTIFICATION AND CIRCUIT IDENTIFICATION CARD PREPARED AND PLACED ON THE INSIDE OF THE PANEL DOOR, WITH A UNIQUE & ACCURATE DECRIPTION FROM EACH CIRCUIT PER NE 408.4.
- 7. PROVIDE ALL NEW MATERIALS BEARING UNDERWRITERS' LABORATORIES LABELS OR OTHER RECOGNIZED LISTING AGENCY, WHERE
- 8. MINIMUM WIRE SIZE SHALL BE #12 A.W.G. ALL CONDUCTORS SHALL BE THHN / THWN (COPPER) & INSTALLED IN EMT CONDUIT OR AS MC CABLE. "NM" (ROMEX) IS ACCEPTABLE. BOXES SHALL BE METALLIC.
- 9. PROVIDE G.F.C.I. RECEPTACLES IN BATHROOM AND AS REQUIRED BY FLORIDA BUILDING CODE AND N.E.C. RECEPTACLES SHALL BE RESIDENTIAL GRADE, 5-20R UNLESS NOTED OTHERWISE, TAMPER-RESISTANT, WITH GFCI AND/OR AFCI AS REQUIRED BY THE NEC.
- 10. INSTALL SMOKE DETECTORS AND CO DETECTORS, PER FBC 2020 REQUIRMENTS.
- 11. ELECTRICAL SERVICE TO BUILDING IS NEW.
- 12. WALL SWITCHES SHALL BE MOUNTED 44 INCHES ABOVE FINISHED FLOOR AND 12 INCHES ABOVE COUNTERS UNLESS INDICATED
- 13. WALL RECEPTACLES SHALL BE MOUNTED 18 INCHES ABOVE FINISHED FLOOR UNLESS INDICATED OTHERWISE. BATHROOM RECEPTACLE OUTELTS SHALL BE MOUNTED 6 INCHES ABOVE BACKSPLASH OR 12 INCHES ABOVE COUNTER, WHICHEVER APPLIES.
- 14. SWITCHES SHALL BE DECORATIVE ROCKER TYPE AND RATED FOR 20 AMPERES.SWITCHES, RECEPTICALS & COVER PLATES SHALL BE WHITE. COVER PLATES SHALL BE PLASTIC.
- 15. RECEPTACLES SHALL BE INSTALLED WITH GROUND PIN DOWN, WITH PLASTIC COVER PLATES.
- 16. CONTRACTOR SHALL SECURE ALL NECESSARY CERTIFICATES OF FINAL INSPECTION AND AHJ FINAL APPROVAL.
- 17. ELECTRICAL CONTRACTOR SHALL SUBMIT 3 SETS OF ENERGY CALCULATIONS, INCLUDING A RISER DIAGRAM AND BREAKER PANEL SCHEDULE FOR ARCHITECT APPROVAL, PRIOR TO PURCHASING MATERIALS.
- 18. EXTERIOR BUILDING LIGHTING TO PROVIDE REQUIRED EGRESS LIGHTING AT ALL EXTERIOR DOORS.
- 19. EQUIPMENT SHALL BE OF MATERIALS SUITABLE FOR AND RATED FOR THE ENVIRONMENT IN WHICH WAY THEY ARE TO BE INSTALLED.
- 20. EMERGENCY LIGHTING FIXTURES SHALL BE WIRED TO THE LOCAL LIGHTING CIRCUT AND AHEAD OF THE LIGHTING CONTROL.
- 21. LIGHTING CONTROLS SHALL BE MOTION SENSING PER FBC 2020 AND NEC 2020.
- 22. COLOR CODE FOR 120V/240V SYSTEMS SHALL BE: BLACK, RED, WHITE, & GREEN.
- 23. ALL DEVICES SHALL BE MOUNTED VERTICAL, UNLESS OTHER WISE NOTED.



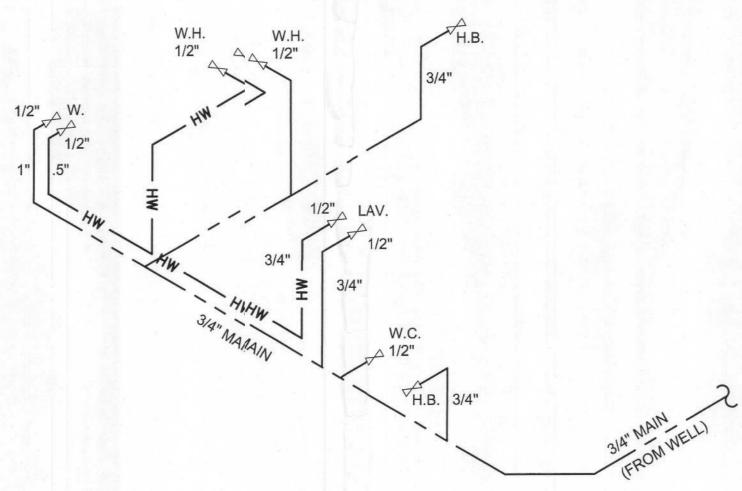
ELECTRICAL RISER DIAGRAM N.T.S.

RESIDENCE LOAD CALCULATIONS

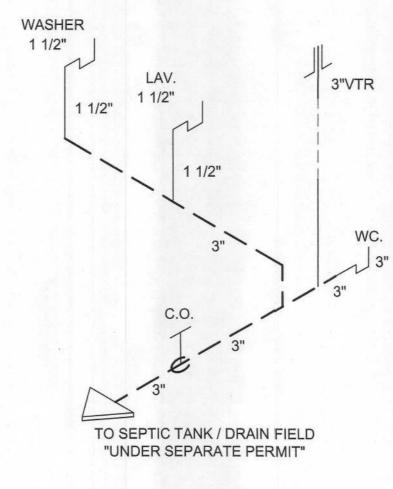
APPROXIMATE AREA = 1,088 sq. ft. NEW 100 AMP SERVICE

DESCRIPTION	TOTAL LOA
EXISTING LOAD	
GENERAL POWER & LIGHTING @ 1,088 sq. ft. x 3 VOLT AMPERES	3.27 KVA
SUB-TOTAL LOAD	3.27 KVA
FIRST 10 KVA @ 100%	10.0 KVA
REMAINDER @ 40% {25.12 KVAx.4}	0.00 KVA
TOTAL SERVICE	13.27 KVA
SERVICE SIZE {13.27 KVA / 240 V}	55.3 AMP

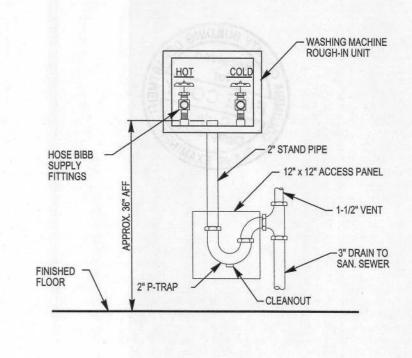
SERVICE PROVIDED: 12%240V, 1Ø 3 WIRE, 200 AMPS. (2) 200 2/0 CU



DOMEESTIC WATER RISER N.T.S.

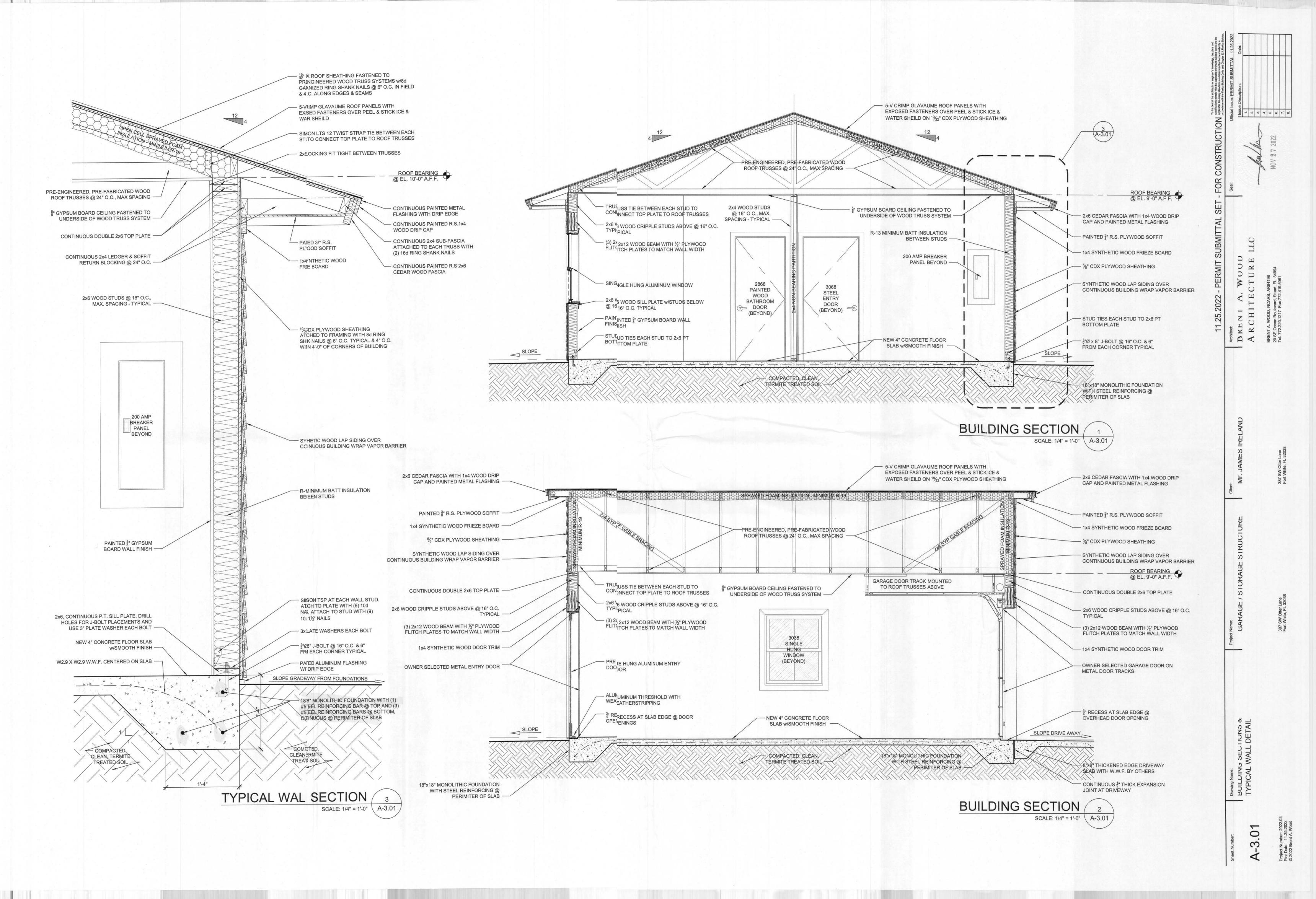


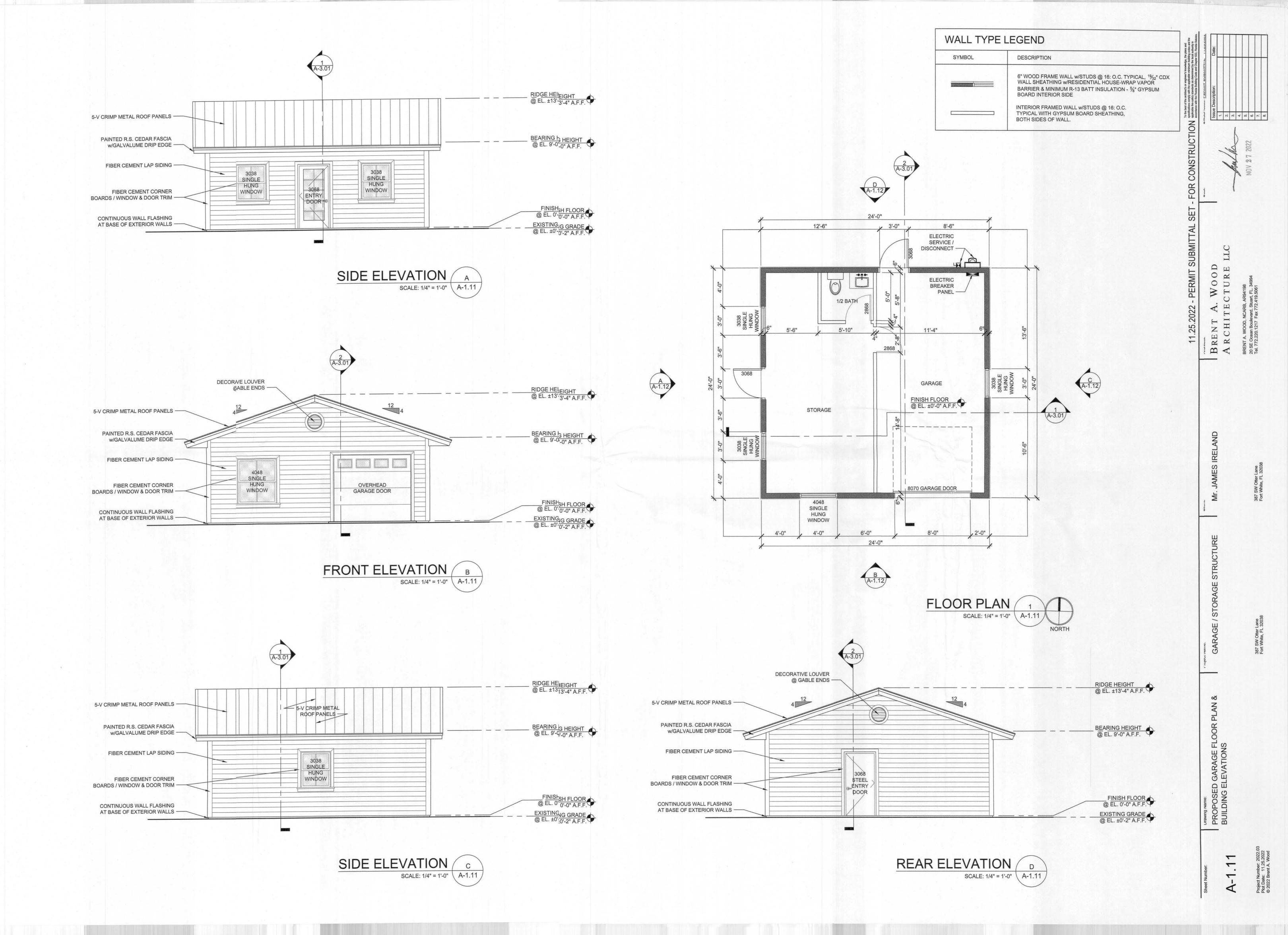
SANITARY RISER N.T.S.

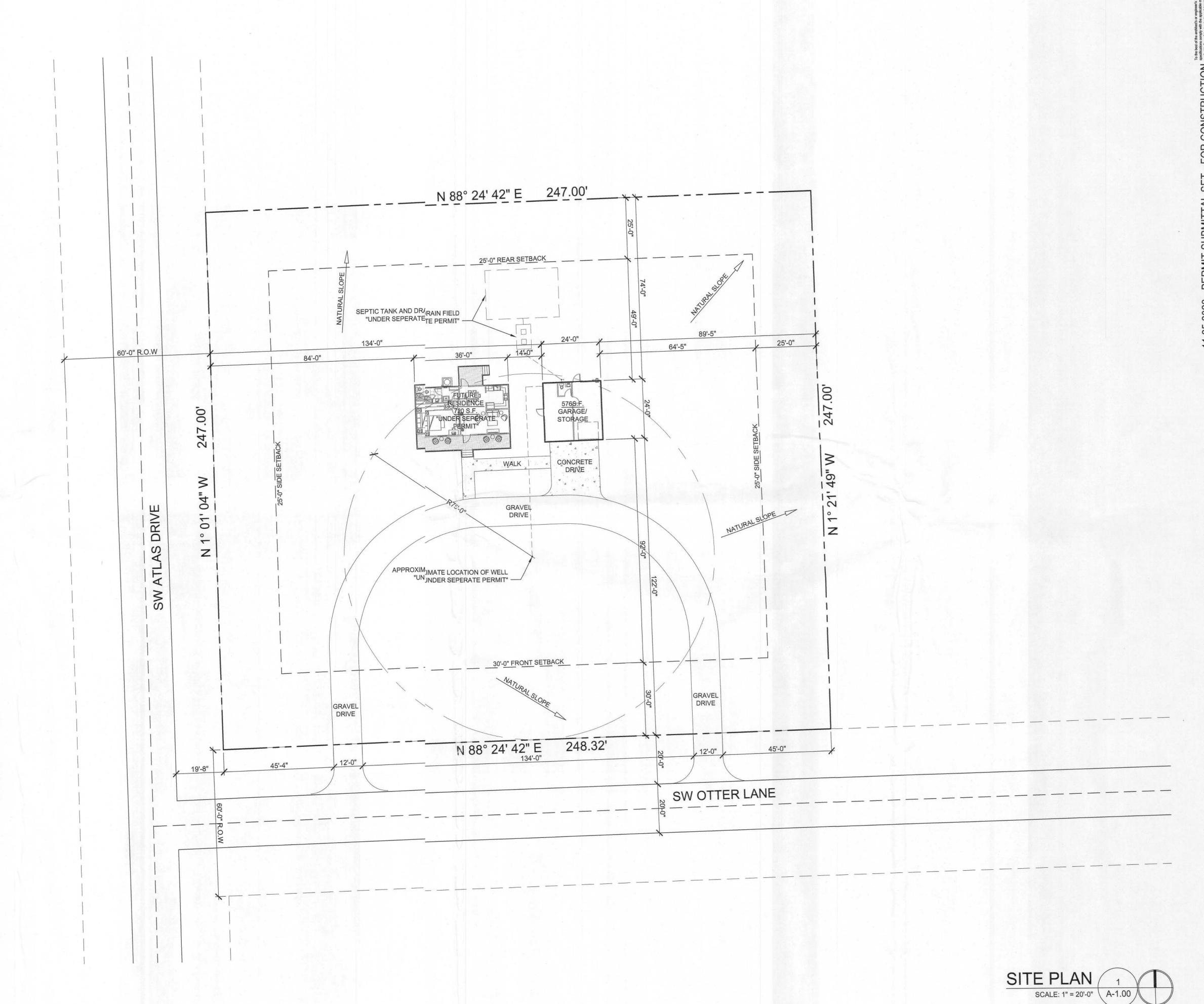


WASHING MACHINE HOOK-UP N.T.S.

B







1.00

BRENT A. WOOD
ARCHITECTURE 1

STRUCTUFAL NOTES

CONTRACTOR NOTE:

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. BRENT A WOOD ARCHITECTURE LLC., IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION OR FOR RELATED SAFETY PRECAUTIONS AND PROGRAMS.

CODES AND STANDARDS

- WIND LOADS ARE PER ASCE 7-16 MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES, FOR A 170 MPH ULT WIND SPEED (132 MPH NOMINAL WIND SPEED), EXPOSURE C, ENCLOSED BUIDLING (+/-0.18 INTERNAL PRESSURE COEFFICIENT) AND RISK CATEGORY II
- 2. THE PROJECT WAS DESIGNED IN ACCORDANCE WITH THE:
- A. FLORIDA BUILDING CODE 7TH EDITION (2020) BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318)
- SPECIFICATION FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301) MANUAL OF STD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI
- E. NATIONAL DESIGN SPECIFICATION, WOOD CONSTRUCTION NDS/CURRENT EDITION
- 3. BEFORE ORDERING ANY MATERIALS OR DOING ANY WORK, THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS TO PROPERLY SIZE OR FIT THE WORK. NO EXTRA CHARGE OR COMPENSATION WILL BE ALLOWED BY THE OWNER RESULTING FROM THE CONTRACTOR'S FAILURE TO COMPLY WITH THIS REQUIREMENT.
- 4. ALL DIMENSIONS AND ELEVATIONS SHOWN ON THE STRUCTURAL DRAWINGS MUST BE VERIFIED AND COORDINATED WITH THE ARCHITECTURAL DRAWINGS BY THE CONTRACTOR BEFORE PROCEEDING WITH THE CONSTRUCTION.
- 5. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER IN WRITING BEFORE PROCEEDING WITH ANY WORK.
- WINDOW & DOOR ASSEMBLY TEST AS FOLLOWS:
- EXTERIOR WINDOWS, SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE LABELED WITH AN APPROVED LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT CERTIFICATION AGENCY, TESTING LABORATORY, EVALUATION ENTITY OR MIAMI-DADE NOTICE OF ACCEPTANCE TO INDICATE COMPLIANCE WITH THE REQUIREMENTS OF ONE OF THE FOLLOWING SPECIFICATIONS: ANSI/AAMA/NWWDA 101/I.S.2 OR TAS 202.
- EXTERIOR DOOR ASSEMBLIES SHALL BE TESTED FOR STRUCTURAL INTEGRITY IN ACCORDANCE WITH ASTM E330 AT A LOAD OF 1.5 TIMES THE REQUIRED DESIGN PRESSURE LOAD. THE LOAD SHALL BE SUSTAINED FOR 10 SECONDS WITH NO PERMANENT DEFORMATION OF ANY MAIN FRAME OR PANEL MEMBER IN EXCESS OF 0.4 PERCENT OF ITS SPAN AFTER THE LOAD IS REMOVED AND SHALL COMPLY WITH TAS 202. AFTER EACH SPECIFIED LOADING, THERE SHALL BE NO GLASS BREAKAGE, PERMANENT DAMAGE TO FASTENERS, HARDWARE PARTS, OR ANY OTHER DAMAGE, WHICH CAUSES THE DOOR TO BE INOPERABLE.
- SECTIONAL GARAGE DOORS SHALL BE TESTED FOR DETERMINATION OF STRUCTURAL PERFORMANCE UNDER UNIFORM STATIC AIR PRESSURE DIFFERENCE IN ACCORDANCE WITH ANSI/DASMA 108 OR TAS 202.
- WINDOW AND DOOR ASSEMBLIES SHALL BE ANCHORED IN ACCORDANCE WITH THE PUBLISHED MANUFACTURER'S RECOMMENDATIONS TO ACHIEVE THE DESIGN PRESSURE SPECIFIED. SUBSTITUTE ANCHORING SYSTEM USED FOR SUBSTRATES NOT SPECIFIED BY THE FENSTRATION MANUFACTUER SHALL PROVIDE EQUAL OR GREATER ANCHORING PERFORMANCE AS DEMONSTRATED BY ACCEPTED ENGINEERING PRACTICE.

SPECIALTY ENGINEERED PRODUCTS

THE GENERAL CONTRACTOR IS RESPONSIBLE TO COORDINATE THE PROPER SUBMISSION OF SPECIALTY ENGINEERED SHOP DRAWINGS WHICH SHALL BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE STATE OF FLORIDA. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THE SPECIALTY ENGINEERED SHOP DRAWINGS ARE SUBMITTED IN A TIMELY MANNER SO AS TO ALLOW REVIEWS AND RESUBMISSIONS AS REQUIRED. ALL SPECIALTY ENGINEERED PRODUCTS SHALL BE DESIGNED FOR THE APPROPRIATE GRAVITY LOADS AND WIND LOADS INCLUDING UPLIFT AND LATERAL LOADS. INTERIOR SPECIALTY PRODUCTS SHALL BE DESIGNED FOR LATERAL LOADS TO ASSURE

FOUNDATION

- 1. ALL SITE PREPARATION AND EXCAVATION WORK IS TO BE PERFORMED IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS ON SOILS AND FOUNDATIONS INVESTIGATION PREPARED BY AN APPROVED TESTING LABORATORY PRIOR TO FOUNDATION WORK.
- BOTTOM OF FOOTINGS ASSUMED TO BEAR ON SOIL CAPABLE OF SAFELY SUPPORTING 2500
- SOILS SUPPORTING ALL FOOTINGS MUST BE INSPECTED AND APPROVED BY A REGISTERED SOILS ENGINEER BEFORE COMMENCING WORK. APPROVAL IN WRITING MUST INDICATE THE SOIL IS ADEQUATE TO SAFELY SUSTAIN SPECIFIED SOIL BEARING PRESSURE.
- 4. BOTTOM OF ALL EXTERIOR MONO-FOOTINGS SHALL BE MINIMUM 12 INCHES BELOW EXTERIOR FINISH GRADE
- ALL EXCAVATION SHALL BE KEPT DRY. EXCAVATE TO DEPTHS AND DIMENSIONS INDICATED. TAKE EVERY PRECAUTION TO GUARD AGAINST ANY MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES, UTILITIES, PIPING, ETC.
- PROVIDE ANY BRACING OR SHORING NECESSARY TO AVOID SETTLEMENT OR DISPLACEMENT OF EXISTING FOUNDATION OR STRUCTURES.
- 7. CENTERLINE OF COLUMN FOOTINGS: SHALL COINCIDE WITH CENTERLINE OF COLUMNS UNO

- ALL CONCRETE SHALL BE READY MIX AND MEET THE FOLLOWING REQUIREMENTS:
- A. A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI @ 28 DAYS
- SLUMPS SHALL BE 5 INCHES +/- 1 INCH
- CONCRETE SHALL HAVE 3.5% +/- 1.5% AIR ENTRAINMENT ALL CONCRETE TO HAVE MAXIMUM WATER/CEMENT RATIO OF 0.55 JOBSITE WATER SHALL NOT BE ADDED

- FLY ASH SHALL BE LIMITED TO A MAXIMUM OF 20% OF THE CEMETICIOUS MATERIAL; SLAB SHALL BE LIMITED TO A MAXIMUM OF 40% OF THE CEMETICIOUS MATERIAL. IN NO CASE SHALL SLAG & FLY ASH BE USED
- CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS REQUIRED BY ACI
- 4. LAP ALL BARS PER ACI MINIMUM REQUIREMENTS FOR TENSION LAP SPLICE BUT NOT LESS THAN 48 BAR DIAMETERS. LAP ALL WWF A MINIMUM OF 12 INCHES
- ALL HOOKS SHOWN IN STEEL REINFORCING BARS SHALL BE PER ACI RECOMMENDATIONS (NOT LESS THAN 12 BAR DIAMETERS PAST BEND) UNO
- WELDED WIRE FABRIC SHALL COMPLY WITH ASTM A185. PLACE FABRIC 2" CLEAR FROM TOP OF THE SLAB IN SLAB ON GRADE AND SUPPORT ON SLAB BOLSTERS SPACED AT 3'-0" O.C.
- ALL REINFORCING STEEL SHALL COMPLY WITH ASTM A615 GRADE 60

- 1. ALL STRUCTURAL WOOD MEMBERS ARE DESIGNED AS "DRY-USE". MOISTURE CONTENT MUST BE 19% OR LESS. STORE WOOD FRAMING ABOVE GROUND AND UNDER TARPS WITH PROPER AIR CIRCULATION.
- ALL LUMBER SHALL BE SOUTHERN PINE SPECIES #2 GRADE OR APPROVED EQUAL. ALLOWABLE DESIGN STRESSES SHALL FOLLOW NATIONAL DESIGN SPECIFICATION (NDS) (LATEST EDITION).
- PROVIDE SP ACQ PRESSURE TREATED LUMBER IN ACCORDANCE WITH AWPA STANDARDS TO A MINIMUM 0.40 PCF RETENTION WHERE LUMBER IS IN CONTACT WITH CONCRETE/MASONRY OR OUTSIDE OF BUILDING. ALL METAL CONNECTORS IN CONTACT WITH PRESSURE TREATED LUMBER SHALL BE GALVANIZED WITH A RATING OF G-185 AND CONFORM TO ASTM A653. ALL NAILS AND SCREWS USED WITH PRESSURE TREATED LUMBER ARE TO BE HOT-DIPPED GALVANIZED AND TO CONFORM TO ASTM A153 CLASS D. ELECTROGALVANIZED FASTENERS SHALL HAVE A CLASS RATING PER ASTM B695 NO LESS THAN 55. ALUMINUM NOT TO BE USED IN DIRECT CONTACT WITH ACQ TREATED LUMBER.
- WALL: USE 19/32" APA 32/16 RATED, EXP. 1, PLYWOOD SHEATHING. ROOF: USE 19/32" APA 40/20 RATED, EXP. 1, PLYWOOD SHEATHING.
- USE 8'- 0" LONG X 4'-0" WIDE SHEETS WITH LENGTH ACROSS FRAMING. STAGGER PANEL END JOINTS 4'-0" TYP., ALLOW 1/8" SPACE ALONG PANEL EDGES AND END JOINTS.
- 5. WOOD CONNECTIONS ALL NAILS USED FOR STRUCTURAL FRAMING MEMBERS SHALL BE COMMON WIRE, U.N.O. ALL NAILS, TRUSS HANGERS, TRUSS ANCHORS AND STRAPS SHALL BE GALVANIZED FOR CORROSIVE RESISTANCE. ALL METAL STRAPS MUST BE INSTALLED WITH EQUAL LENGTHS ABOUT THE JOINT LINE. USE SIMPSON STRONG-TIE CONNECTOR PRODUCTS OR APPROVED EQUAL. TOE NAILING WILL NOT BE PERMITTED.

PRE- ENGINEERED WOOD TRUSSES

- WOOD TRUSSES ARE TO BE DESIGNED FOR THE WOOD FABRICATOR BY A PROFESSIONAL SPECIALTY ENGINEER REGISTERED IN THE STATE OF FLORIDA. SEALED CALCULATIONS AND LAYOUT DRAWINGS ARE TO BE SUBMITTED FOR APPROVAL. TRUSS FABRICATOR TO PROVIDE ALL TRUSS-TO-TRUSS HANGERS AS REQUIRED TO RESIST GRAVITY AND UPLIFT REACTION.
- WOOD TRUSSES SHALL BE BRACED AND ERECTED IN ACCORDANCE WITH THE "TRUSS PLATE INSTITUTE" HANDLING, INSTALLING AND BRACING OF WOOD TRUSSES: COMMENTARY AND RECOMMENDATIONS, HIB (CURRENT EDITION). BRACING IN THE PLANE OF THE WEB
- THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE CONTINUOUS LATERAL BRACING FOR EACH TRUSS WEB MEMBER AS REQUIRED.
- LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (MIN. 2" THICK NOMINAL LUMBER). THIS BRACING IS TO BE CONTINUOUS.
- A MINIMÚM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED, ONE AT EACH VERTICAL WEB MEMBER CLOSEST TO BEARING LOCATIONS.
- 3. THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AT 8'-0" ON CENTER WITH A CEILING ATTACHED TO BOTTOM OF TRUSSES. IF NO CEILING IS ATTACHED TO BOTTOM OFTRUSSES, BRACING SHALL BE MINIMUM 2X4 @ 36" ON CENTER NAILED TO THE TOP OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45 DEGREES TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20-FOOT INTERVALS.
- DO NOT CUT, DRILL OR NOTCH TRUSSES WITHOUT WRITTEN APPROVAL FROM TRUSS ENGINEER. COORDINATE MECHANICAL, ELECTRICAL, PLUMBING, ETC. SIZES AND LOCATIONS WITH TRUSS LAYOUT PRIOR TO ERECTION.
- TRUSSES SHALL BE MANUFACTURED & DESIGNED IN ACCORDANCE WITH NATIONAL DESIGN SPECIFICATION(r) FOR WOOD CONSTRUCTION, AF & PA, AND NATIONAL DESIGN STANDARD FOR METAL PLATE CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/TPI-1, AND THE LOCAL CODE JURISDICTIONS.
- 6. DO NOT OVERLOAD ROOF TRUSSES WITH BUILDING MATERIALS
- CONNECTOR PLATES SHALL BE MANUFACTURED BY A WTCA MEMBER PLATE SUPPLIER AND SHALL MEET OR EXCEED ASTM A653/A653M REQUIREMENTS FOR STRUCTURAL STEEL.
- WOOD TRUSS MANUFACUTER TO DESIGN BOTTOM CHORDS OF WOOD TRUSSES AT ALL ATTIC AREAS FOR A MINIMUM LIVE LOAD OF 30 PSF

SHOP DRAWINGS

- 1. SHOP DRAWINGS SHALL BE SUBMITTED IN COMPLETE PACKAGES FOR THE FOLLOWING:
- CONCRETE MIX DESIGNS CONCRETE REINFORCING STEEL AND WELDED WIRE FABRIC
- PRE-ENGINEERED WOOD TRUSSES
- 2. PRE-ENGINEERED ITEMS SHALL BE SUBMITTED SIGNED AND SEALED BY A SPECIALTY

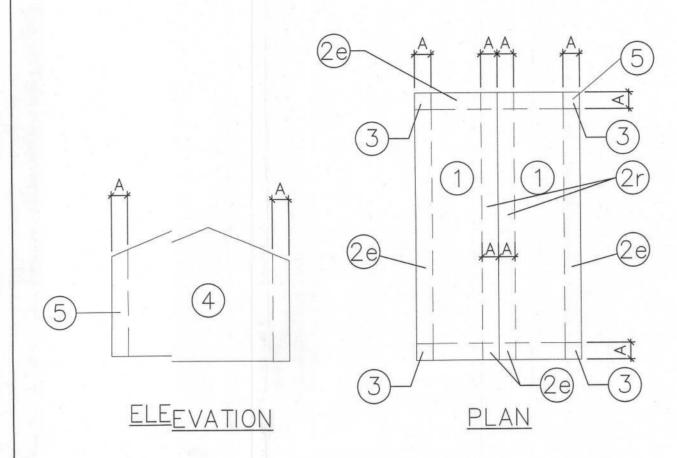
ENGINEER REGISTERED IN THE STATE OF FLORIDA

(NOMINAL) WALL WIND DOOFINING

WIND LOAD SCHEDULE

COMPONENTS AND CLADDING		ROOF LO	LOADS (SEE NOTE 1) WALL AREA			
		ROOF A				
	1	2e	2r	3	4	5
PRESSURE (PSF)	+ 28.2	+ 28.2	+ 28.2	+ 28.2	+ 37.8	+ 37.8
SUCTION (PSF)	- 50.6	- 69.8	- 69.8	- 69.8	- 41.0	- 50.6

- EXTERIOR OR GLAZED OPENINGS IN BUILDING SHALL COMPLY WITH FBC 2020 SECTION 1606 BY EITHER BEBEING DESIGNATED FOR IMPACT RESISTANCE OR BEING PROTECTED BY IMPACT
- 2. A = 3.2 FEFEET, ASSUMED TRIBUTARY AREA = 10 S.F. MRH=14 FEET HIP ROOF 5:12 PITCH

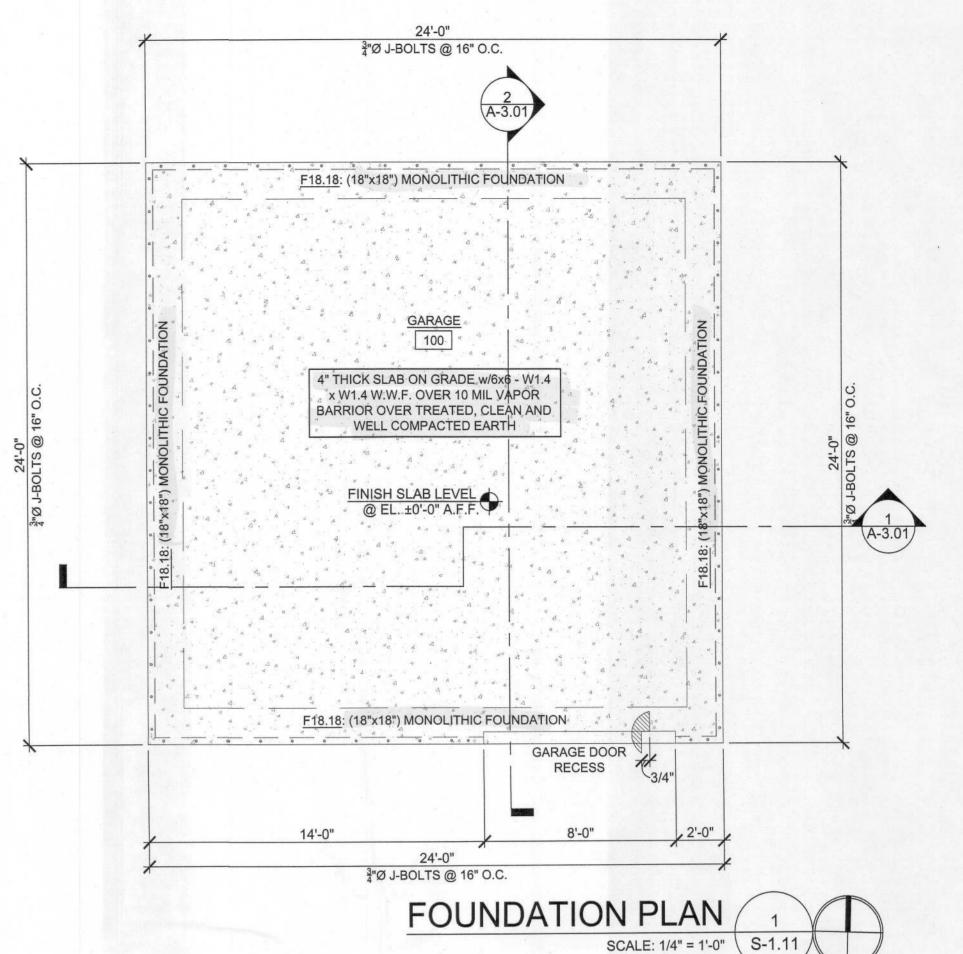


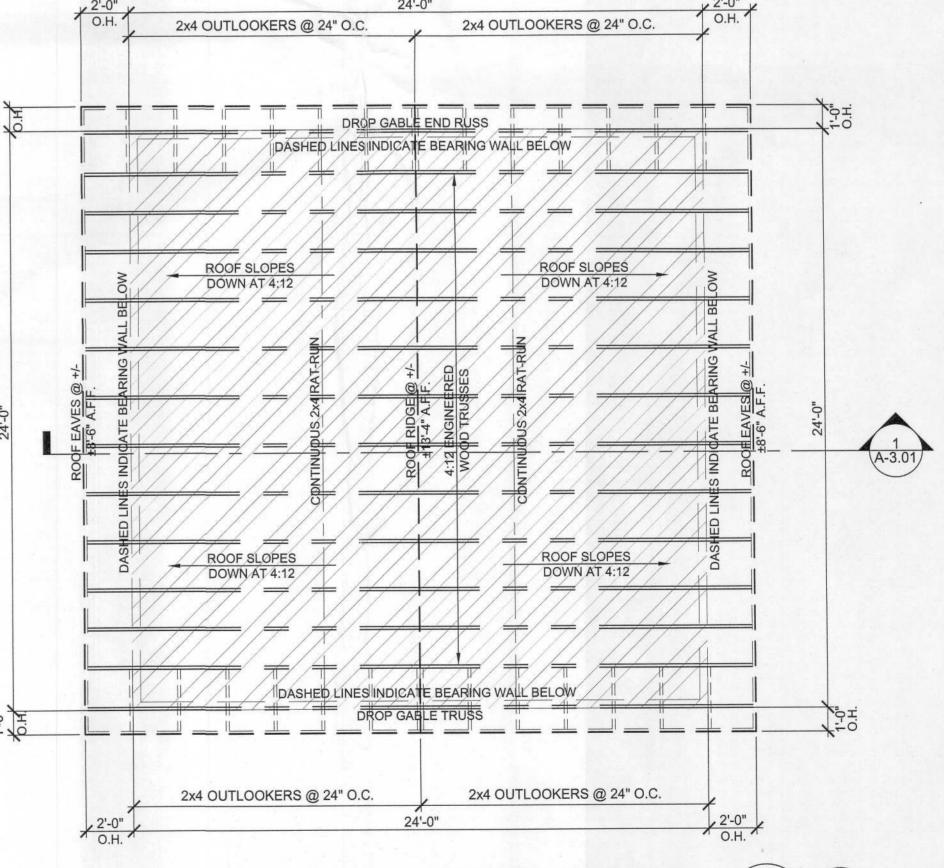
CONCRETE COVER SCHEDULE

ONO LETE OU VEIL OUT IED	
CONCRETE CAST T AGAINST AND PERMANENTLY EXPOSED TO EARTH: CONCRETE EXPOSOSED TO EARTH OR WEATHER:	3"
#6 OR LARGI _{GER}	2"
#5 OR SMALLLER	1 1/2"
CONCRETE NOT E- EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALALLS, JOISTS (#11 AND SMALLER) BEAMS, COLOLUMNS (PRIMARY REINF., TIES, STIRRUPS, SPIRALS)	
SLABS, WALALLS, JOISTS (#11 AND SMALLER)	3/4"
BEAMS, COLOLUMNS (PRIMARY REINF., TIES, STIRRUPS, SPIRALS)	1 1/2"

DEESIGN LOAD SCHEDULE

	AREA	P		
COMPONENT	AR	ROOF		
STRUCTURE		8		
PLYWOOD SHEATHI-HING		2		
ROOFING		10		
MEP		5		
CEILING/SOFFIT		3		
MISC		7		
TOTAL DEAD LOAD (D		35	T T	
TOTAL LIVE LOAD		20		
Т(OTAL LOAD	55		



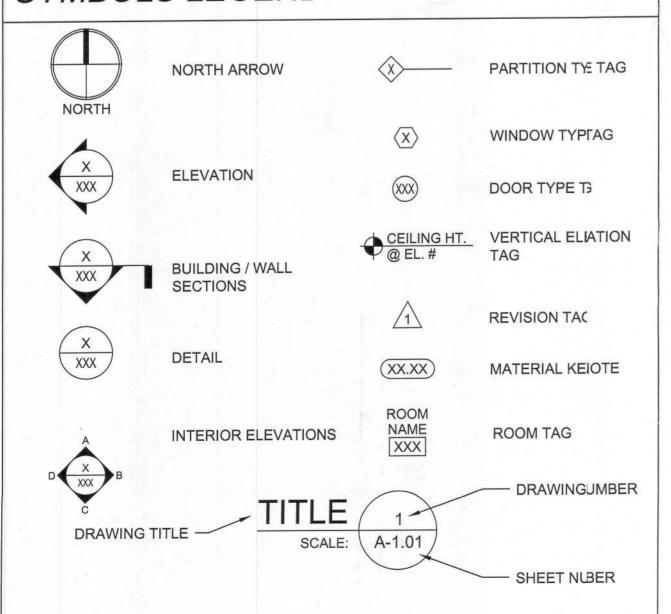




ABBREVIATIONS

AB	ANCHOR BOLT	MATL	MATERIAL
A/C	AIR CONDITIONING	MECH	MECHANICAL
AFF	ABOVE FINISH FLOOR	MEMB	MEMBRANE
ALUM	ALUMINUM	MTL	MEAN TIDE LEVEL
APPROX	APPROXIMATELY	MFC	METAL FURRING CHNEL
ARCH	ARCHITECTURAL / ARCHITECT	MFR	MANUFACTURER
BD	BOARD	MIN	MINIMUM
BLDG	BUILDING	MIR	MIRROR
	BLOCK	MISC	MISCELLANEOUS
BLK		MO	MASONRY OPENING
BOT / BOTT	BOTTOM	MR	MOISTURE RESIST/T
BRG	BEARING	MT	METAL THRESHOLE
BTWN	BETWEEN	NAT	NATURAL
CAB	CABINET		NOT IN CONTRACT
CLG / CEIL	CEILING	NIC	
CEM	CEMENT	#	NUMBER
CL	CLOSET	NOM	NOMINAL
CLR	CLEAR	NTS	NOT TO SCALE
COL	COLUMN	OA	OVERALL / OUTSIDNR
CONC	CONCRETE	OC	ON CENTER
CONST	CONSTRUCTION	OPNG	OPENING
CONT	CONTINUOUS	OPP	OPPOSITE
CONTR	CONTRACTOR	ORIG	ORIGINAL
CT	CERAMIC TILE	PART	PARTITION
CTR	CENTER	PL	PLATE
DEG	(°) DEGREE	PLAS	PLASTER
DEPT	DEPARTMENT	PLWD	PLYWOOD
DTL	DETAIL	PNL	PANEL
DF	DRINKING FOUNTAIN	PNT / PTD	PAINT / PAINTED
DIA	DIAMETER	POL	POLISHED
DIM	DIMENSION	PREFAB	PREFABRICATED
DN	DOWN	PROJ	PROJECT
DR	DOOR	PSF	POUNDS PER SQUÆ FOOT
DWG	DRAWING	PSI	POUNDS PER SQUÆ INCH
EA	EACH	PT	PRESSURE TREATE
EL / ELEV	ELEVATION	PVMT	PAVEMENT
ELEC	ELECTRIC / ELECTRICAL	QTY	QUANTITY
EQ	EQUAL	REF	REFRIGERATOR
EQUIV	EQUIVALENT	REQD	REQUIRED
EQUIP	EQUIPMENT	REINF	REINFORCED / REINORCING
EW	EACH WAY	RET	RETURN
EXH	EXHAUST	REV	REVERSE / REVISIC
EXIST	EXISTING	RGD	RIGID
	EXTERIOR	RM	ROOM
EXT	FLOOR DRAIN	RO	ROUGH OPENING
FD	FINISH	SCHED	SCHEDULE
FIN		SD	SOAP DISPENSER
FIX	FIXTURE	SEP	SEPARATE
FL	FLOOR	SECT	SECTION
FLUOR	FLUORESCENT	SHLF	SHELF
FTG	FOOTING		SHEET
FURR	FURRING	SHT	SIMILAR
GA	GAGE / GAUGE	SIM	
GALV	GALVANIZED	SPEC	SPECIFICATION
GL	GLASS / GLAZING	SPKR	SPEAKER
GR	GRADE	SQ	SQUARE
GYP	GYPSUM	STD	STANDARD
НВ	HOSE BIBB	STL	STEEL
HCP	HANDICAP	STOR	STORAGE SUBSTITUTE / SUBRATE
HDWR	HARDWARE	SUB	
HDWD	HARDWOOD	SURF	SURFACE
HGT	HEIGHT	SUSP	SUSPEND / SUSPENED
HM	HOLLOW METAL	SYS	SYSTEM
HR	HOUR	T&G	TONGUE & GROOV
HVAC	HEATING / VENTILATING	TEL	TELEPHONE
HW	HOT WATER	THK	THICK / THICKNESS
IN	INCH	TPH	TOILET PAPER HOER
INCAND	INCANDESCENT	TRANS	TRANSFORMER
INCL	INCLUDE	TYP	TYPICAL
INFO	INFORMATION	UGND	UNDERGROUND
INSUL	INSULATE / INSULATION	UL	UNDERWRITERS LA
INT	INTERIOR	VERT	VERTICAL
KIT	KITCHEN	W/	WITH
LAM	LAMINATED	WC	WATER CLOSET
LAV	LAVATORY	WH	WATER HEATER
LB / LBS	POUND / POUNDS	WM	WIRE MESH
LIN	LINEAR	W/O	WITHOUT
LL	LIVE LOAD	WP	WATERPROOF
LT	LIGHT	WS	WEATHER STRIPPI
LVR	LOUVER	WWF	WELDED WIRE FABC
		CONSTRUCTION OF THE PROPERTY O	

SYMBOLS LEGEND



IRELAND RESIDENCE GARAGE /STORAGE BUILDING



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387 SW Otter Lane Fort White, Florida

DIVISION 1 - GENERAL REQUIREMENTS

AREA

576 S.F.

C.- THE WORK IS BEING PERFORMED IN AN EXISTING BUILDING, AS AN ADDITION OR ALTERATION(S)TO THE EXISTING BUILDING. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS WITH REFERENCE :E TO ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS. ANY DISCREPANCIES BETWEEN THESE EXISTING CONDITIONS AND CONSTRUCTION DOCUMENTS SHALL BE BROUGHT TO D THE ARCHITECT'S ATTENTION PRIOR TO THE SUBMISSION OF BIDS OR CONTRACT NEGOTIATIONS. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE WORK BY TRADES, SUPPLIERS, SUBCONTRACTORS AND OTHER PROVIDERS TO INSURE THAT THE WORK, WHEN COMPLETED, WILL L BE IN ACCORDANCE WITH THE INTENT OF THE CONSTRUCTION DOCUMENTS.

1.05 WORK NECESSARY TO COMPLETE CONSTRUCTION:

PROJECT AREA SUMMARY

DESCRIPTION

GROSS GARAGE AREA (NON-CONDITIONED SPACE)

PROJECT DATA

IT IS THE PURPOSE OF THESE PLANS AND SPECIFICATIONS TO DESCRIBE A COMPLETE AND FINISHED PROJECT OTHER THAN ITEMS MARKED "N.I.C." (NOT IN CONTRACT).

1.06 CLEAN UP/ REPAIR:

A .- THE CONTRACTOR SHALL MAINTAIN THE PREMISES CLEAN AND FREE OF ALL TRASH, DEBRIS AND SHALL PROTECT ALL ADJACENT WORK FROM DAMAGE, SOILING, PAINT OVERSPRAY, ETC. ALL FIXTURES, EQUIPMENT, GLAZING, FLOOR, ETC. SHALL BE LEFT CLEAN AND READY FOR OCCUPANCY UPON COMPLETION OF THE PROJECT.

B.- THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL EXISTING ITEMS DAMAGED BY THE PROCESS OF NEW CONSTRUCTION AND SHALL FINISH ALL PATCHWORK AND REPAIRS TO MATCH EXISTING ADJACENT AREAS AND SURFACES.

THE CONTRACTOR SHALL SUBMIT 5 SETS OF SHOP DRAWINGS OF ALL FABRICATED ITEMS AND EQUIPMEN'ENT FOR OWNER'S REVIEW PRIOR TO FABRICATION AND COMMENCEMENT OF THE WORK.

PROJECT ADDRESS:

MUNICIPALITY:

ZONING DESIGNATION:

FIXTURES, EQUIPMENT, HARDWARE AND FINISHES NOT SPECIFIED SHALL BE PROVIDED FOR IN THE CONTRACTOR'S BID AS LINE ITEM ALLOWANCES ON A SCHEDULE OF VALUES.

387 SW Otter Lane., Fort White, FL 32038

A-3 AGRICULTURE

COLUMBIA COUNTY, FL

GENERAL NOTES

- OF THE PARTY SUBMITTING THE SUBSTITUTION REQUEST TO RESEARCH AND QUALIFY THAT PERFORMANCE AND CONSTRUCTION SPECIFICATIONS MEET THOSE OF THE ORIGINALLY SPECIFIED ITEM OR MATERIAL PRIOR TO SUBMISSION OF SUBSTITUTIONS TO THE DESIGNER
- CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND REPORT ANY CONDITIONS WHICH ARE IN CONFLICT WITH THE DRAWINGS AND SPECIFICATIONS TO THE INTERIOR DESIGNER AND/OR ARCHITECT IMMEDIATELY. DO NOT PROCEED WITH CONSTRUCTION UNTIL ALL DISCREPANCIES ARE RESOLVED. ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF ALL GOVERNING FEDERAL, STATE, AND LOCAL BUILDING CODES.
- DIMENSIONS INDICATED ON THE FLOOR PLAN ARE TO THE FACE OF STUD OR CONC. SUBSTRATE.
- GENERAL CONTRACTOR SHALL NOTIFY THE ELECTRICAL CONTRACTOR AND/OR ARCHITECT IF CONFLICTS OCCUR BETWEEN LIGHTING AND OTHER TRADES OR BUILDING STRUCTURE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND CONTRACTOR.
- NOTIFY THE ARCHITECT IMMEDIATELY IF THE REMOVAL OR INSTALLATION OF LIGHTING, PLUMBING, MECHANICAL SYSTEMS OR COMPONENTS WILL ADVERSELY AFFECT THE OPERATION OF EXISTING MEP SYSTEMS OUTSIDE THE SCOPE OF WORK.
- 12. CONTRACTOR TO COORDINATE SUPPLY, LOCATION, & REMOVAL OF DUMPSTERS FOR DEMOLITION & CONSTRUCTION. COORDINATE WITH THE HOME OWNER'S ASSOCIATION FOR APPLICABLE RULES AND REGULATIONS.

BUILDING CODE SUMMARY

NEW 1-STORY, 2-CAR GARAGE / STORAGE BUILDING w/½ BATH

TYPE V-B

RESIDENTIAL

GARAGE / STORAGE BUILDING

FLORIDA BUILDING CODE, RESIDENTIAL 2020

NATIONAL ELECTRIC CODE 2017 (NEC 2017)

COLUMBIA COUNTY LAND DEVELOPMENT REGULATIONS

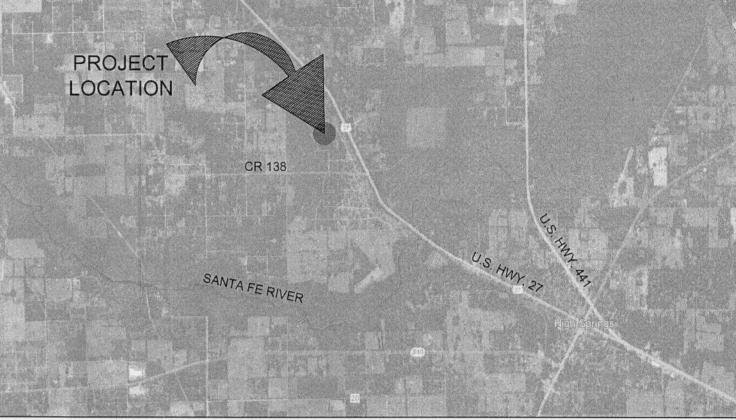
FLORIDA FIRE PREVENTION CODE 2020

CONSTRUCTION TYPE:

PRIMARY USE:

OCCUPANCY CLASSIFICATION:

- FIXTURES, EQUIPMENT, HARDWARE, AND FINISHES NOT SPECIFIED ARE TO BE SUBMITTED BY THE G.C. AND APPROVED BY OWNER PRIOR TO PURCHASING MATERIALS. CONTRACTOR SHALL SUBMIT SAMPLES AND MANUFACTURER'S PRODUCT INFORMATION TO OWNER FOR APPROVAL.
- 14. THE NUMERICAL ADDRESS/SPACE # (6" INCH NUMBERS)WILL BE PROVIDED ON EXTERIOR DOORS WEATHERPROOF, AND CONTRASTING COLORS. IF THE ADDRESS IS TO BE PLACED ON A WINDOW THE NUMBERS SHALL BE "WHITE", IF THEY ARE TO BE ON A LIGHT COLORED BACKGROUND THEY



LOCATION PLAN



FIRST	REVISION NUMBER	LATEST REVISION
11.25.2022	- 1	-
ES, 11.25.2022	•	-
11.25.2022	-	-
11.25.2022	-	-
11.25.2022	-	-
LUMBING 11.25.2022	-	-
	ISSUED 11.25.2022 ES, 11.25.2022 11.25.2022 11.25.2022	ISSUED NUMBER 11.25.2022 - 11.25.2022 - 11.25.2022 - 11.25.2022 - 11.25.2022 -