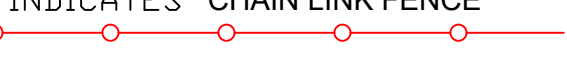
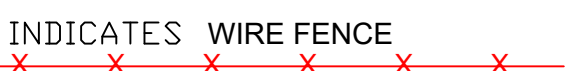
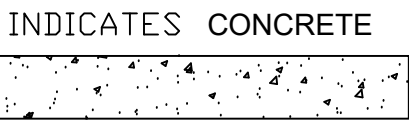


STATE  
OF  
ARIZONA

LEGEND

- INDICATES FOUND 1/2" REBAR WITH PLASTIC CAP STAMPED "HAYWOOD LS 13941"
- INDICATES FOUND 1/2" REBAR WITH PLASTIC CAP STAMPED "FAMAS LS 27736"
- INDICATES FOUND 1/2" REBAR WITH OBLITERATED PLASTIC CAP

- (R1) INDICATES DIMENSION PER INSTRUMENT 2020-0077484
- INDICATES CLEANOUT
- INDICATES SEWER MANHOLE
- INDICATES ELECTRIC PAD / BOX / VAULT



LINE DATA

- L1 N00°20'31"E 292.59'(CALCULATED-R1)
- L2 S88°49'26"E 324.21'(R1)
- L3 S00°20'31"W 289.24'(CALCULATED-R1)
- L4 N88°20'13"W 182.41'(R1)
- L5 S44°06'33"W 17.40'(R1)

CURVE DATA

- (C1) (R1) Delta = 73°52'53" Radius = 100.00' Length = 128.95'
- (C2) (R1) Delta = 13°04'55" Radius = 50.00' Length = 11.42'

GENERAL NOTES

STRUCTURAL DESIGN CRITERIA

- BUILDING CODES: 2018 IBC
- 2018 MECHANICAL, & PLUMBING 2017 NEC
- SEISMIC CATEGORY: "C"
- DESIGN WIND SPEED: 115 MPH EXPOSURE C
- FLOOR LIVE LOAD: 40 PSF
- ROOF LIVE LOAD: 30 PSF
- FIRE RESISTIVE CONST: EXTERIOR WALLS AND COMMON WALLS

PROJECT NAME & ADDRESS

BLAZELAND RV STORAGE

APN:402-02-525A  
BUILDER

BRANNON & CHIMINE COUCH

(928)554-5989  
(928)301-2064

DRAWN BY  
CRUZ CHAVEZ  
(928)301-9832

- CONTENTS
- SITE PLAN 1
- FOUNDATION, ROOFING, BRACE
- WALL CROSS SECTIONS PLAN 2
- FLOOR PLAN, ELEVATION,
- ELECTRICAL, PLUMBING PLAN 3

NO.	REVISION/ISSUE	DATE
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PROJECT NAME

BLAZELAND

DATE  
11/1/22

SCALE 1"=20'

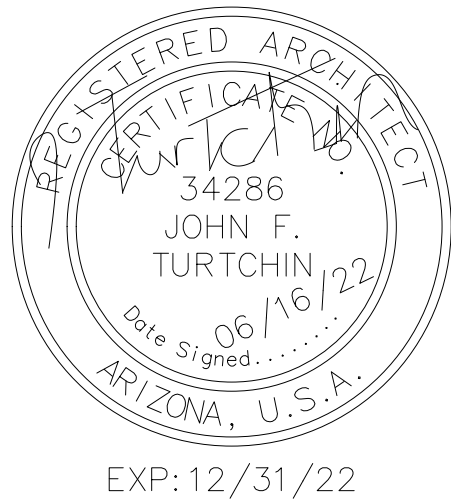
BUILDING AREA

TOTAL UNDER ROOF... 300 sq. ft.

1

FINAL DEVELOPMENT PLAN  
FDP 22-0014





GENERAL NOTES

FOUNDATION NOTES 2018 IBC:

- ALL FRAMING TO BE MINIMUM 8" ABOVE GRADE
- ALL REBAR USED IN FOOTINGS AND OR SLABS SHALL BE CHAIRED WITH PLASTIC TYPE DEVICES PER ACI CODE REQUIREMENTS
- SOLID SHEER 4'X8'X3/8" OSB AROUND PERIMETER OF HOUSE
- 5/8" X 10" ANCHOR BOLTS AT 4' ON O.C. AND 12" FROM CORNERS
- EMBEDDED 7" MINIMUM INTO CONCRETE OR GROUT. ANCHOR BOLTS ARE TO BE INSTALLED AT THE TIME OF GROUTING OR POURING OF CONCRETE.
- PEST CONTROL:
  - PROVIDE TERMITE PRETREATMENT AT ALL UNDERROOF PORTIONS OF BUILDINGS

SITE WORK:

- VERIFY ALL UTILITY SERVICE ENTRANCES WITH LOCAL UTILITY COMPANIES
- SOIL BEARING PRESSURE USED +1500PSF
- ALL FOOTING SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED CERTIFIED COMPACTED FILL

REINFORCEMENT STEEL:

DEFORMED BARS:

- 60,000 PSI (ASTM, A-615)

WELDED WIRE MESH:

- 60,000 PSI (ASTM, A-185)

CONCRETE:

FOOTINGS:

- 2500 PSI AT 28 DAYS
- PROVIDE UFER GROUND IN FOOTING, VERIFY SERVICE LOCATION ENTANCE
- INTERIOR SLABS:
  - 2500 PSI AT 28 DAYS
  - PROVIDE (1) 3/8" REBAR 24" O.C. BOTH WAYS AND (1) 3/8" REBAR AT PERIMETER OF CONCRETE
  - ALL INTERIOR SLABS TO HAVE EXPANSION CONTROL JOINTS AT MAXIMUM 15' O.C. BOTH DIRECTIONS. (VERIFY LOCATION OF CONTROL JOINTS WITH G.C.)
- EXTERIOR SLABS:
  - 2500 PSI AT 28 DAYS
  - PROVIDE (1) 3/8TH INCH REBAR 24" O.C. BOTH WAYS AND (1) CONTINUOUS 3/8TH" REBAR AT PERIMETER OF CONCRETE
  - ALL EXTERIOR SLABS TO HAVE EXPANSION CONTROL JOINTS AT MAXIMUM 15' O.C. BOTH DIRECTIONS. (VERIFY LOCATION F CONTROL JOINTS WITH G.C.)

MASONRY:

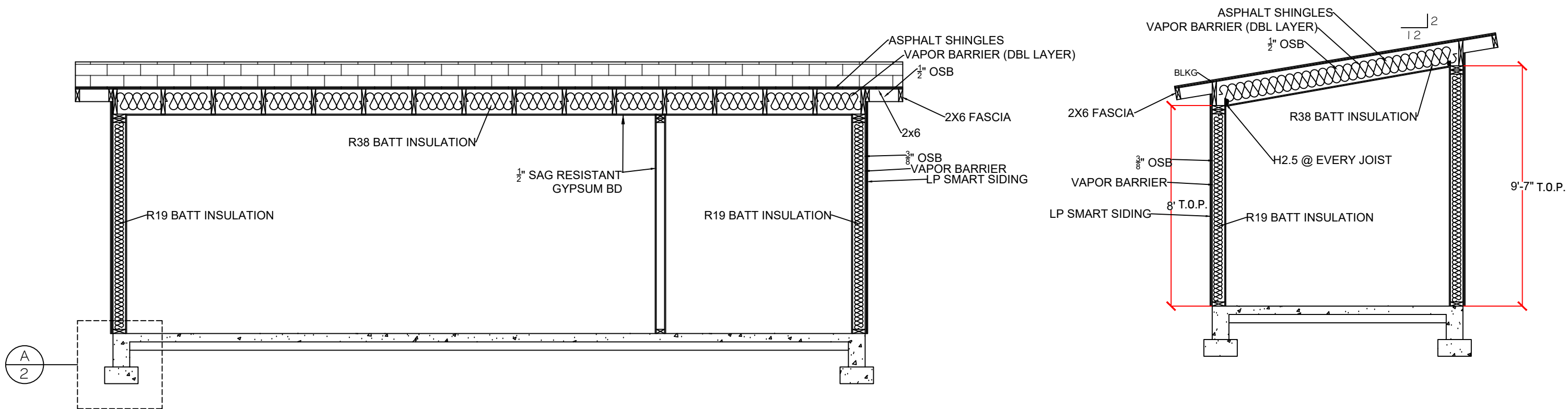
- MORTAR TO BE TYPE S OR TYPE M 1800 PSI AT 28 DAYS. GROUT TO BE 2500 PSI AT 28 DAYS
- PROVIDE ANCHOR BOLTS 12" FROM ALL CORNERS BOTH DIRECTIONS
- PROVIDE ANCHOR BOLTS 12" FROM BOTH SIDES OF ALL DOOR OPENINGS
- WHERE FOOTINGS BEAR ON SOLID ROCK PROVIDE (3)#4 REBAR PINS AT 48" O.C. MIN. WITH 8" EMBED. INTO ROCK. CHISEL OR JACKHAMMER ROCK SO THAT BOTTOM OF FOOTING WILL BE LEVEL.
- CONCRETE SLABS AT EXTERIOR DOORS SHALL SLOPE AWAY FROM THE BUILDING AT 1/4" PER FT.
- PROVIDE A #4 BARE COPPER WIRE FOR BONDING CONDUCTOR WRAPPED 20 FT. MIN. AROUND FOOTING REINFORCING STEEL

ROOF FRAMING NOTES: 2018 IBC

- LUMBER GRADE: STANDARD OR BETTER
- LUMBER SPECIES: DOUG FIR OR HEM FIR
- ALL BEAMS AND HEADERS SHALL BEAR ON SOLID TRIMMERS OR POSTS UNDER EACH END DOWN TO THE SLAB OR WOOD FLOOR
- PROVIDE THE COMPLETE NUMBER OF FASTENERS FOR METAL CONNECTORS AS REQUIRED BY SIMPSON COMPANY
- NOTCHING OF ANY BEAMS, SUPPORT TRIMMERS, POSTS, OR COLUMNS, OR TWO OR MORE STUDS IN A LOAD BEARING WALL, IS NOT PERMITTED EXCEPT AS SPECIFICALLY NOTED.
- ALL ROOF PITCHES SHALL BE AS NOTED ON THE PLANS. SECONDARY ROOF PITCHES SUCH AS VALLEYS, CRICKETS, OR SLOPING LEDGES SHALL SLOPE NOT LESS THAN 1/4" PER FT.
- SIMPSON H2.5 AT EACH TRUSS
- PROVIDE FULL HEIGHT PLYWOOD SHEATHED. 2 X BLK6 PANELS BETWEEN LOW-SLOPE TRUSSES OVER BEARING POINTS. SEE DETAIL
- PROVIDE FIRE STOPS IN SOFFITS, DROPPED CIELING, AND FIREPLACE SHAFTS
- ALL FRAMING LUMBER NEEDS APPROVED GRADING STAMP

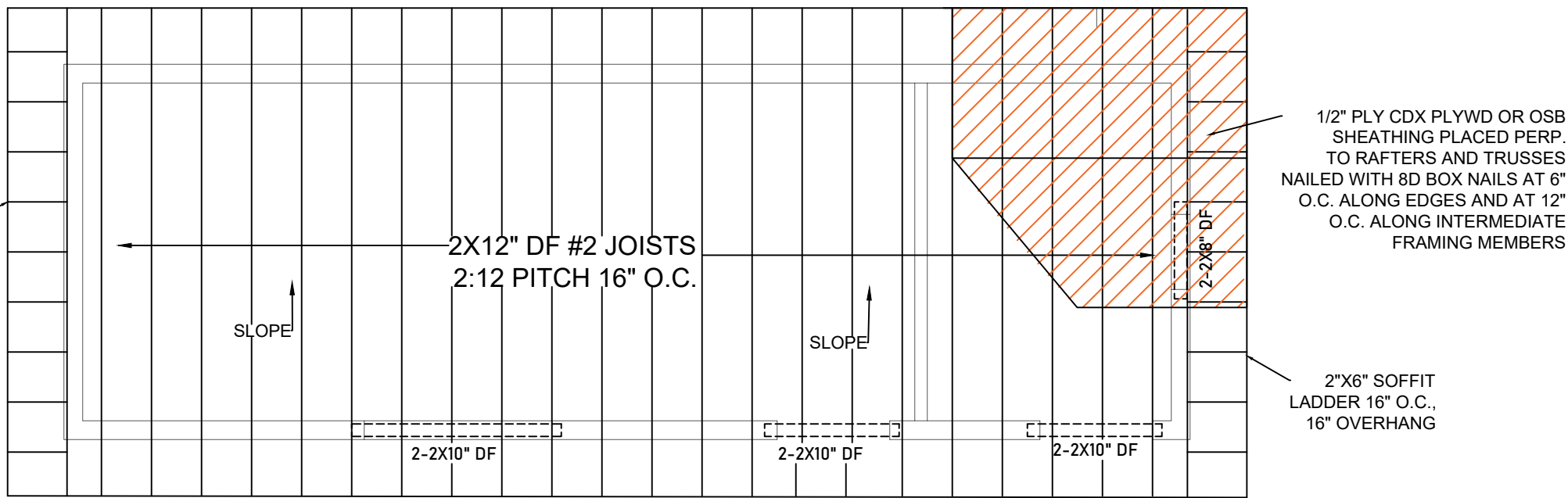
TYPICAL EXTERIOR WALL

- STUDS 2X6" AT 16" O.C. SET 1/2" IN FROM EDGE OF SLAB OR FACE OF MASONRY
- ENTIRE ENVELOPE OF BUILDING TO HAVE OPEN CELL FOAM INSULATION: 8" 5" ON ROOF AND 5.5" ON WALLS.
- 1/2" GYP BOARD ON INSIDE SURFACE OF FRAMING
- STRUCTURAL WALL SHEATHING:
  - 3/8" PLYWD OR OSB SHEATHING ON EXTERIOR SURFACE OF WALL FRAMING. NAILING SHALL BE AS FOLLOWING OR AS PER BRACED PANEL REQUIREMENTS)
  - 8D NAILS A6 6" O.C. ALONG EDGES AND AT 12" O.C. ALONG INTERIOR FRAMING MEMBERS.
  - TYVEK MOISTURE RESISTANT BARRIER OVER EXTERIOR SHEATHING
  - LP SMART SIDING OVER MOISTURE BARRIER
  - THERE SHALL BE A FLOOR LANDING ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF THE LANDING SHALL NOT BE LESS THAN THE DOOR SERVED WITH A MIN. DIM. OF 36" MEASURED IN THE DIRECTION OF TRAVEL. MAY BE 7-3/4" LOWER THAN THRESHOLD IF THE DOOR DOES NOT SWING OVER THE LANDING.



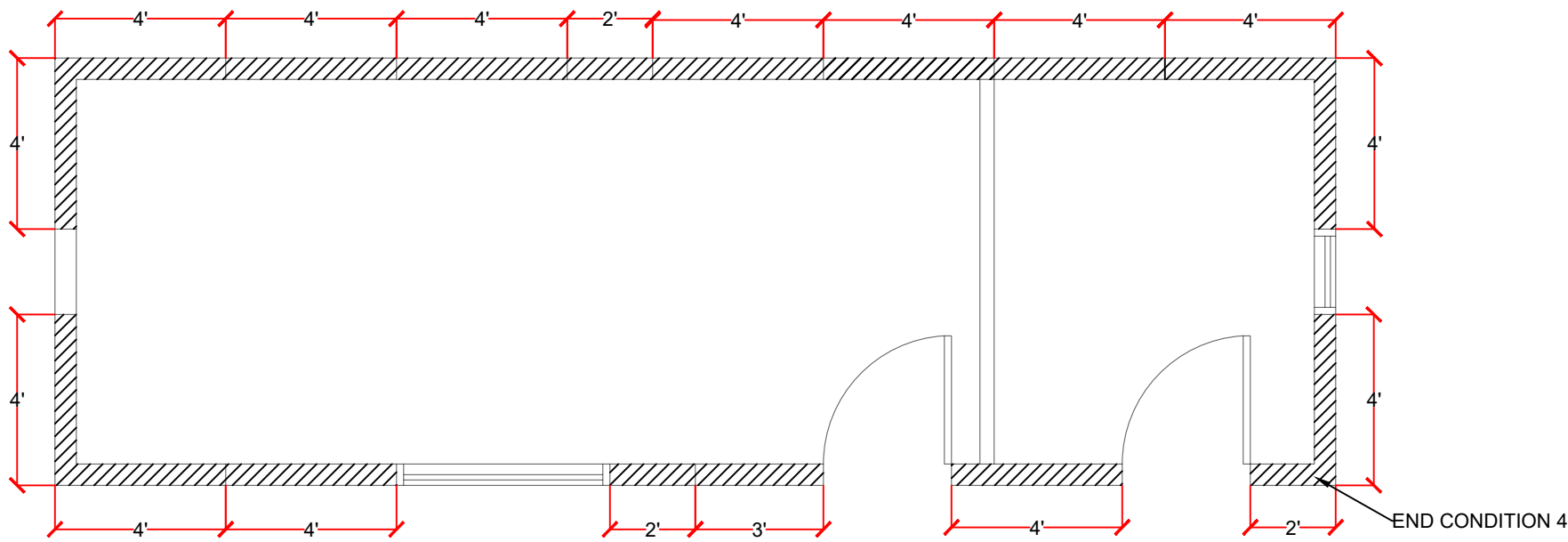
CROSS SECTION Y

CROSS SECTION X

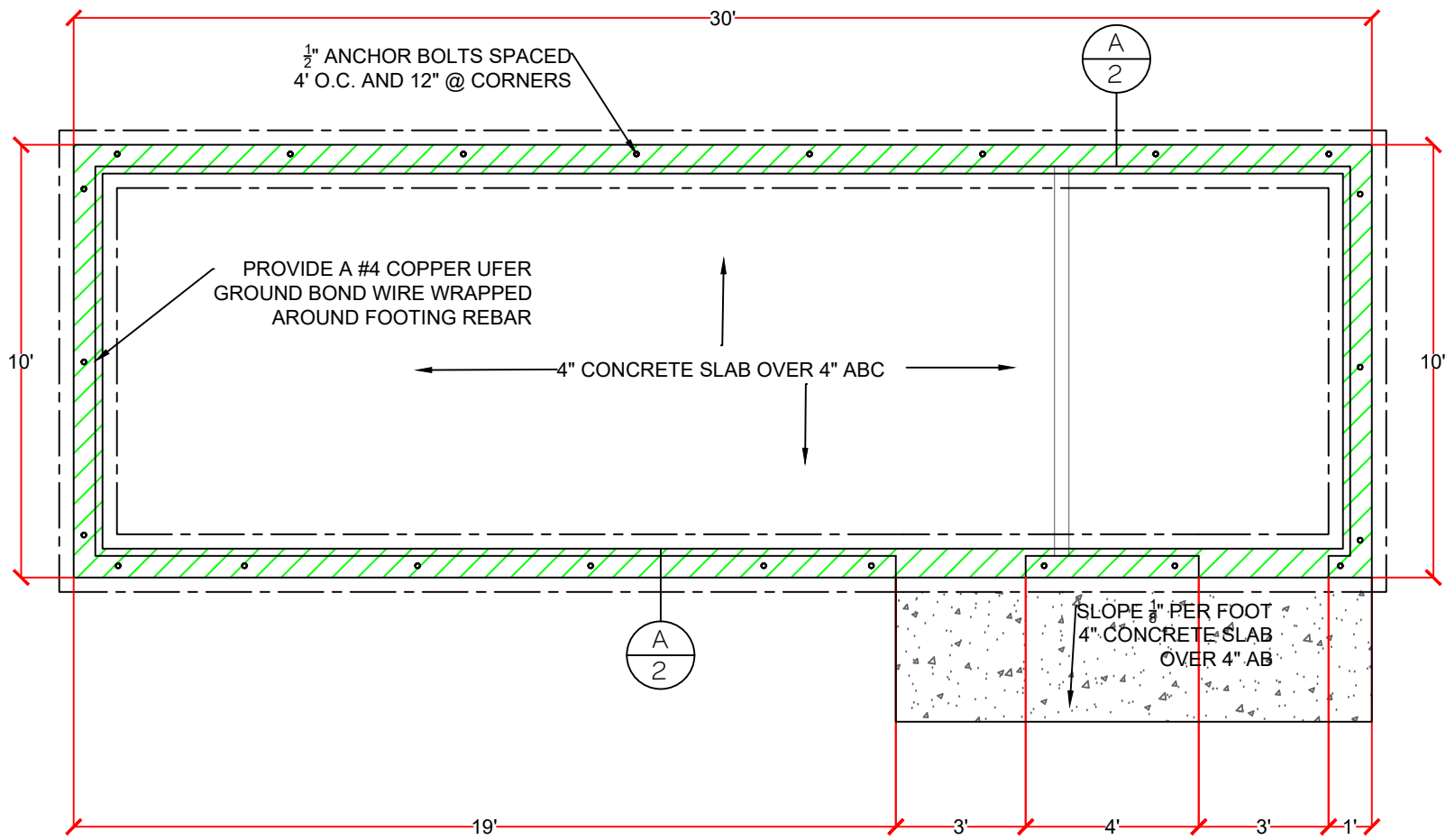


ROOFING PLAN

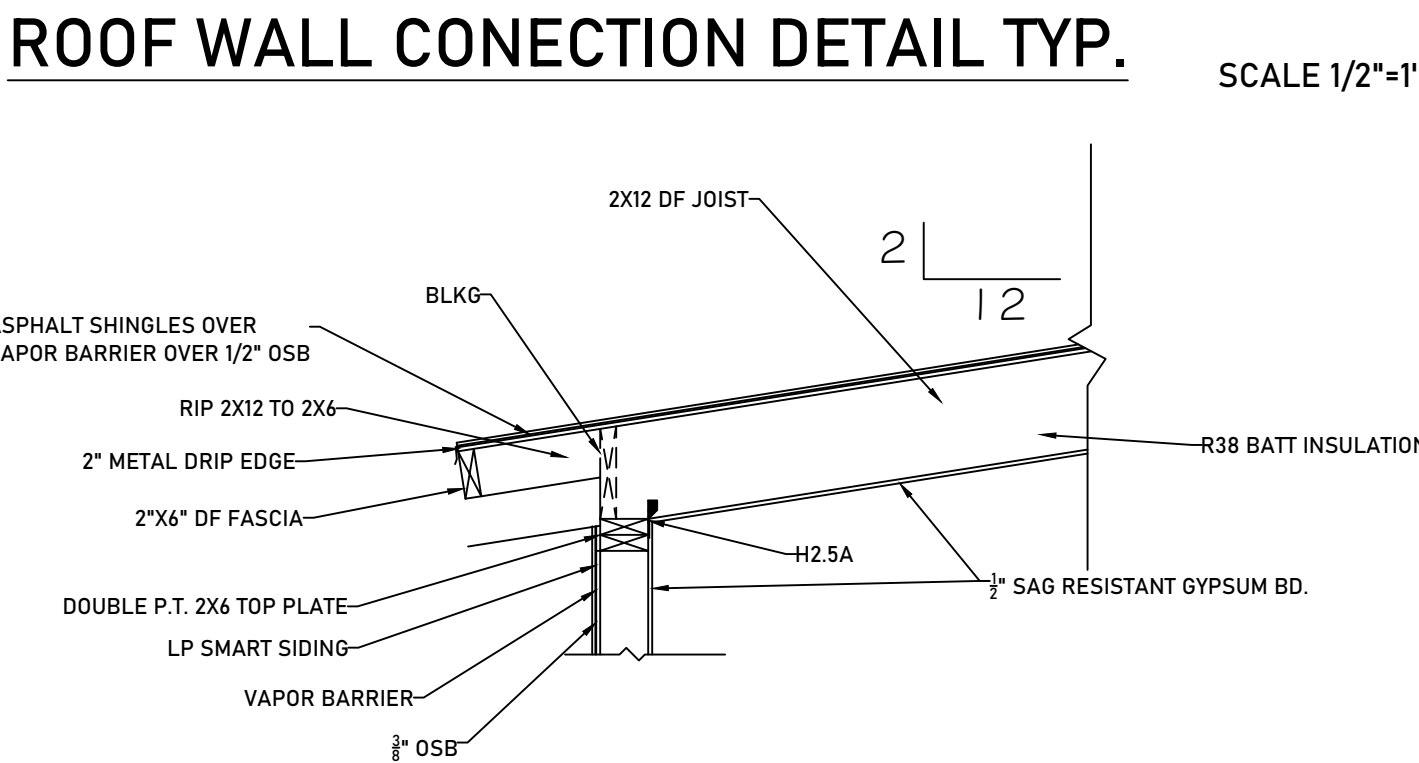
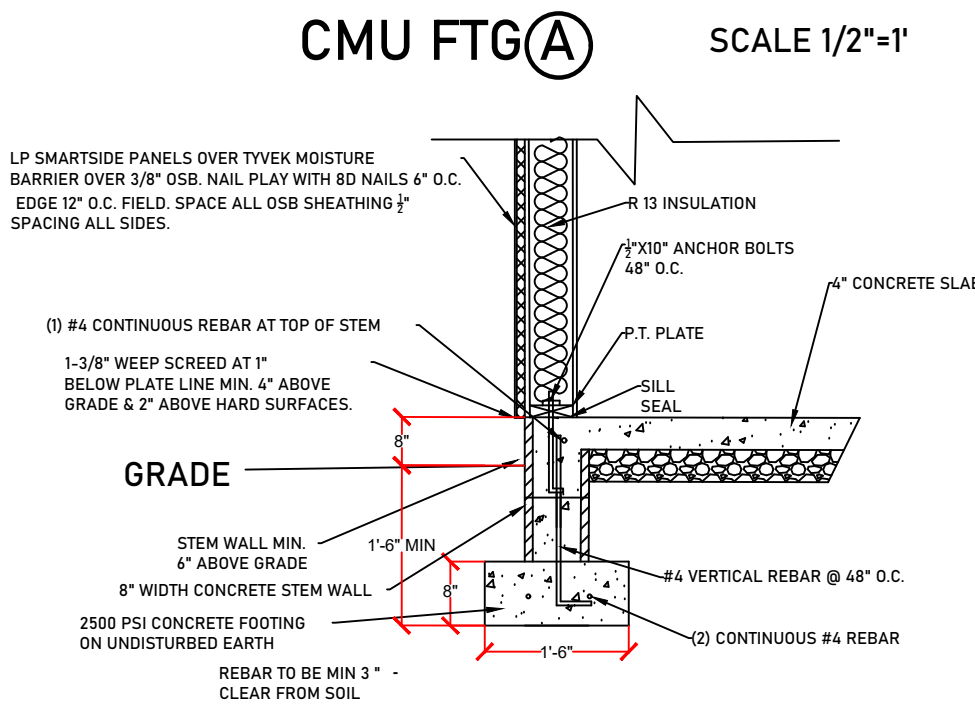
CS-WSP: MIN. THICKNESS 3/8"  
NAILED 6" ON EDGES AND 12" IN FIELD



BRACE WALL PLAN



FOUNDATION PLAN



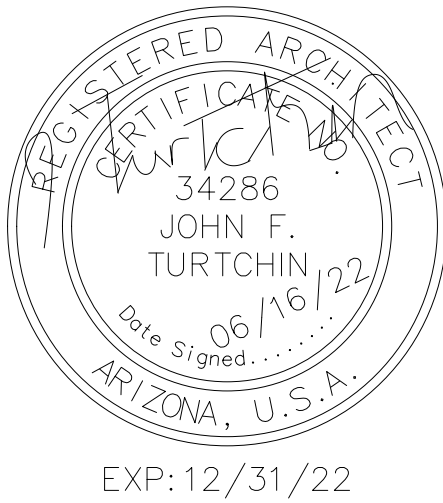
BUILDING AREA

TOTAL UNDER ROOF... 300 sq. ft.

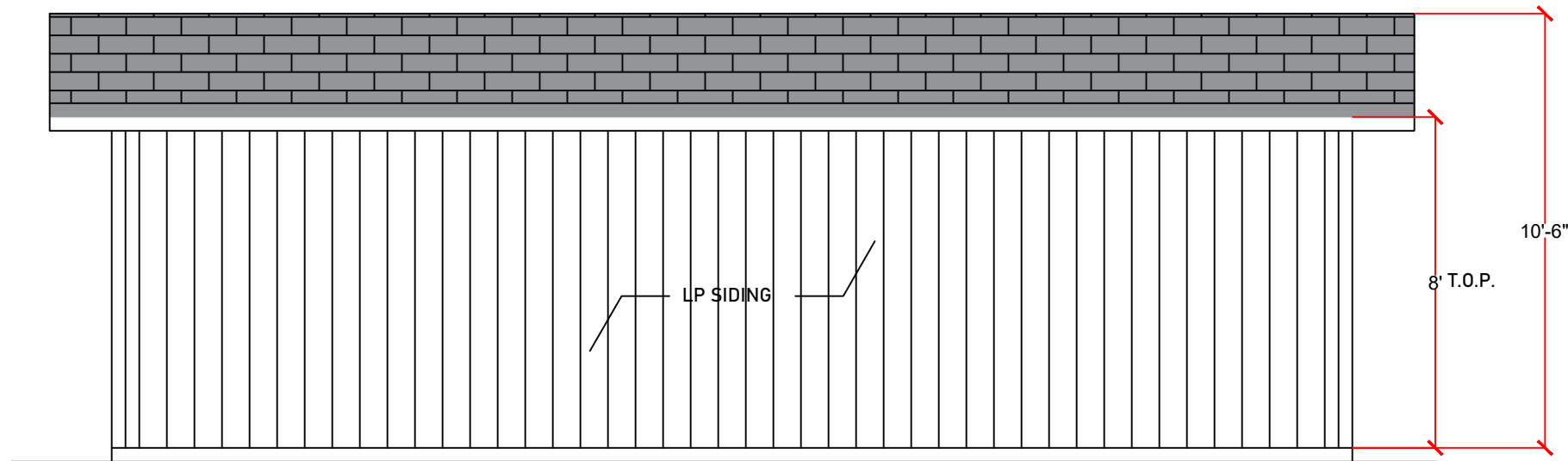
NO.	REVISION/ISSUE	DATE
PROJECT NAME		
BLAZELAND		
DATE		
11/1/22		
SCALE		
1/4" = 1'		

2

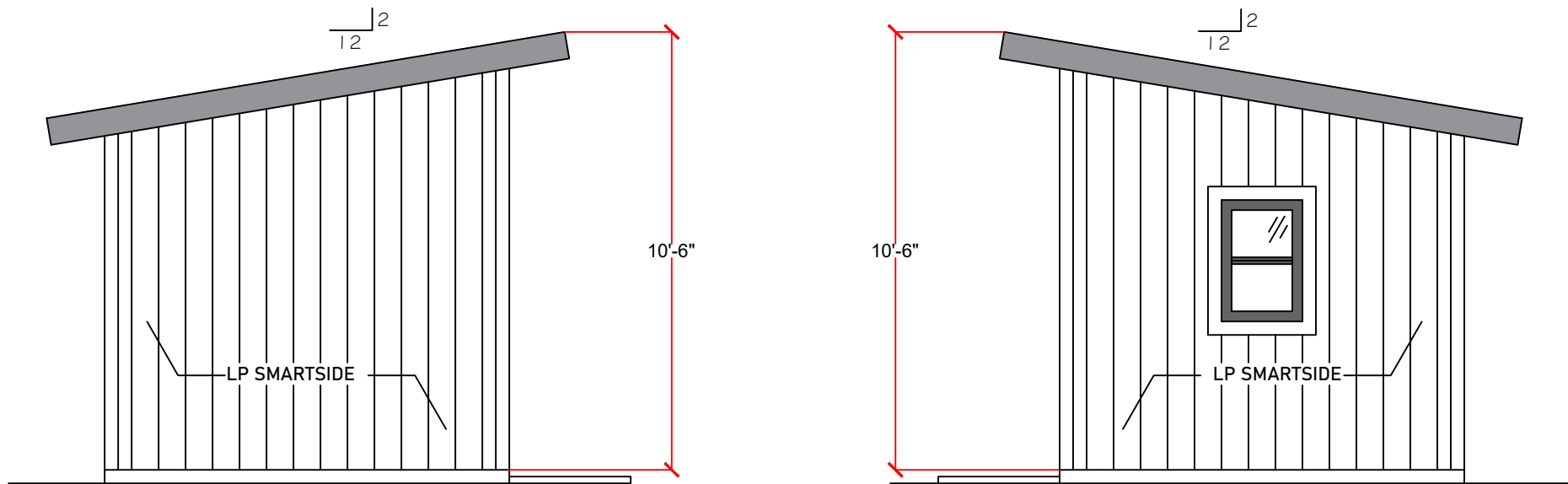




WINDOW SCHEDULE									
CNT	MFR	EGR	SIZE	OPERATION	R.O.	JAMB	REMARKS	SAF. GLAZING	U FACTOR
1	ANY	NO	X0-3640	HOR. SLDR	36 1/2" X 60 1/2"	6 3/4"	DBL PANE LOW E	NONE	.35
1	ANY	NO	SH-2436	SNGL HUNG	24 3/4" X 36 1/2"	6 3/4"	DBL PANE LOW E	NONE	.35
EXTERIOR DOOR SCHEDULE									
CNT	MFR	EGR	SIZE	OPERATION	R.O.	JAMB	REMARKS	SAF. GLAZING	U FACTOR
2	ANY	YES	3680	DOOR	36 1/2" X 80 1/2"	6 3/4"	SOLID CORE	NONE	.35

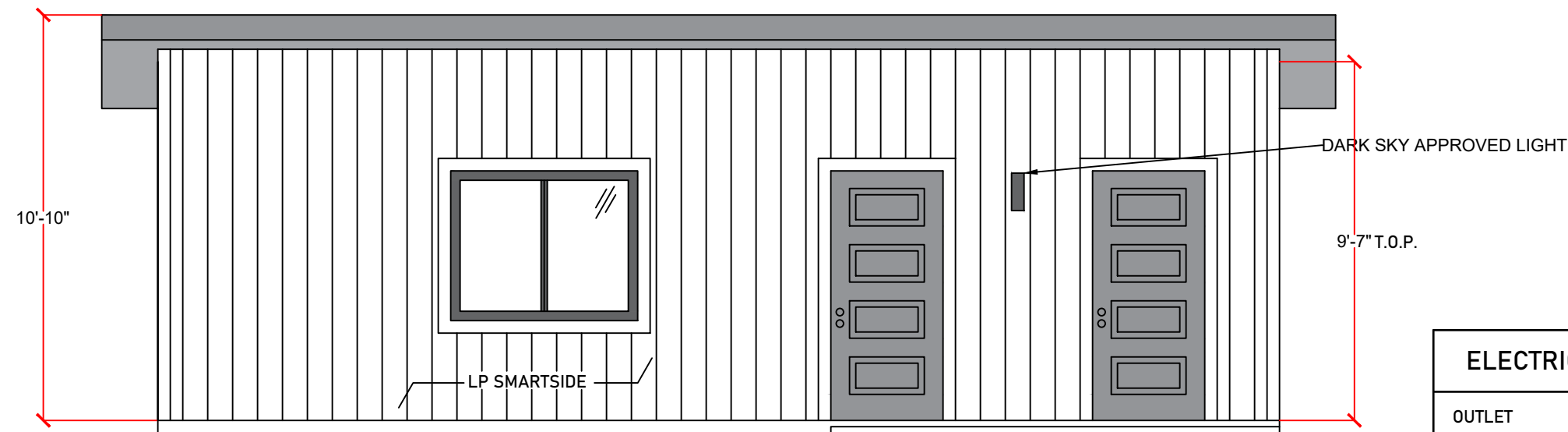


WEST ELEVATION

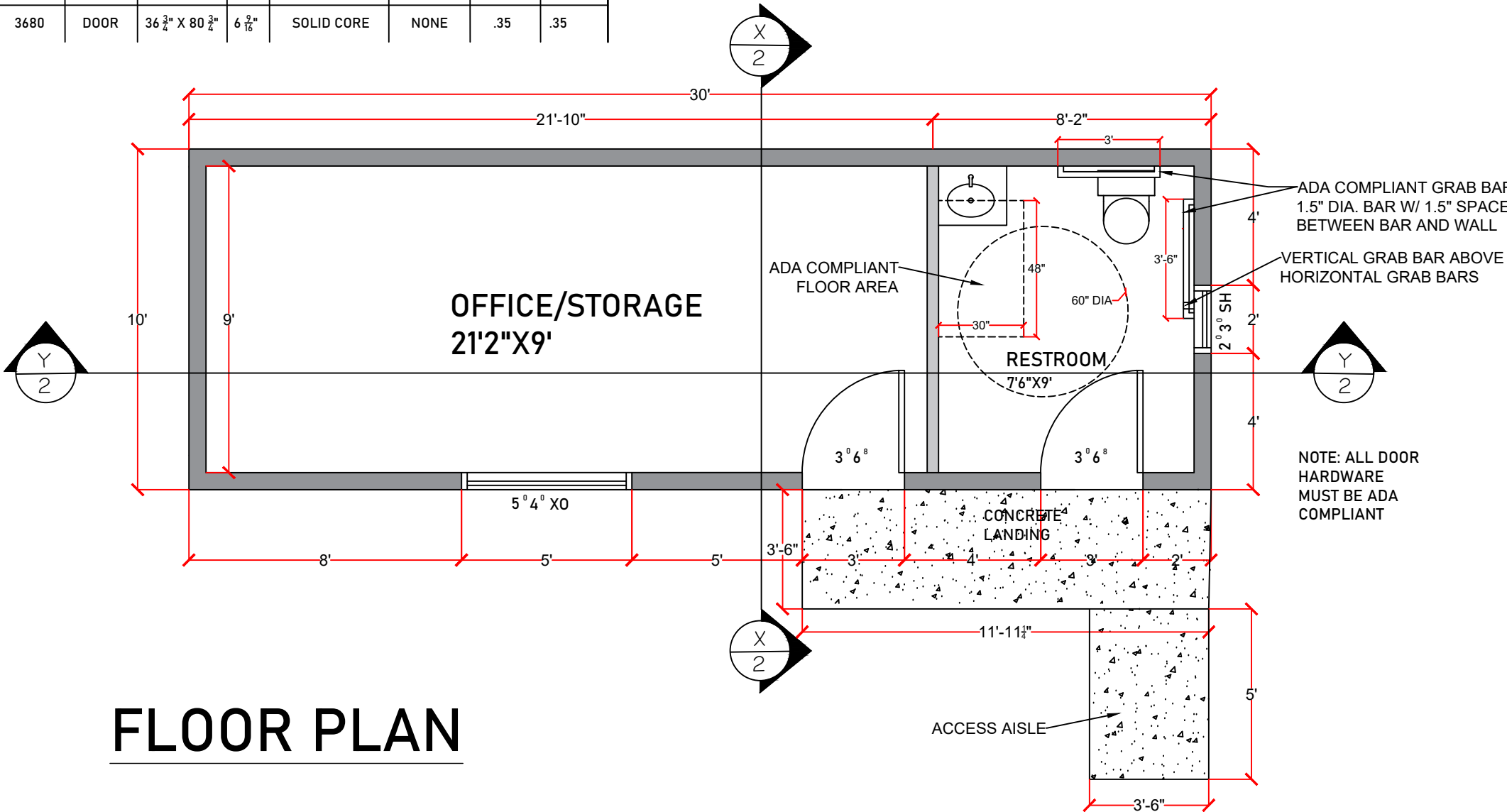


SOUTH ELEVATION

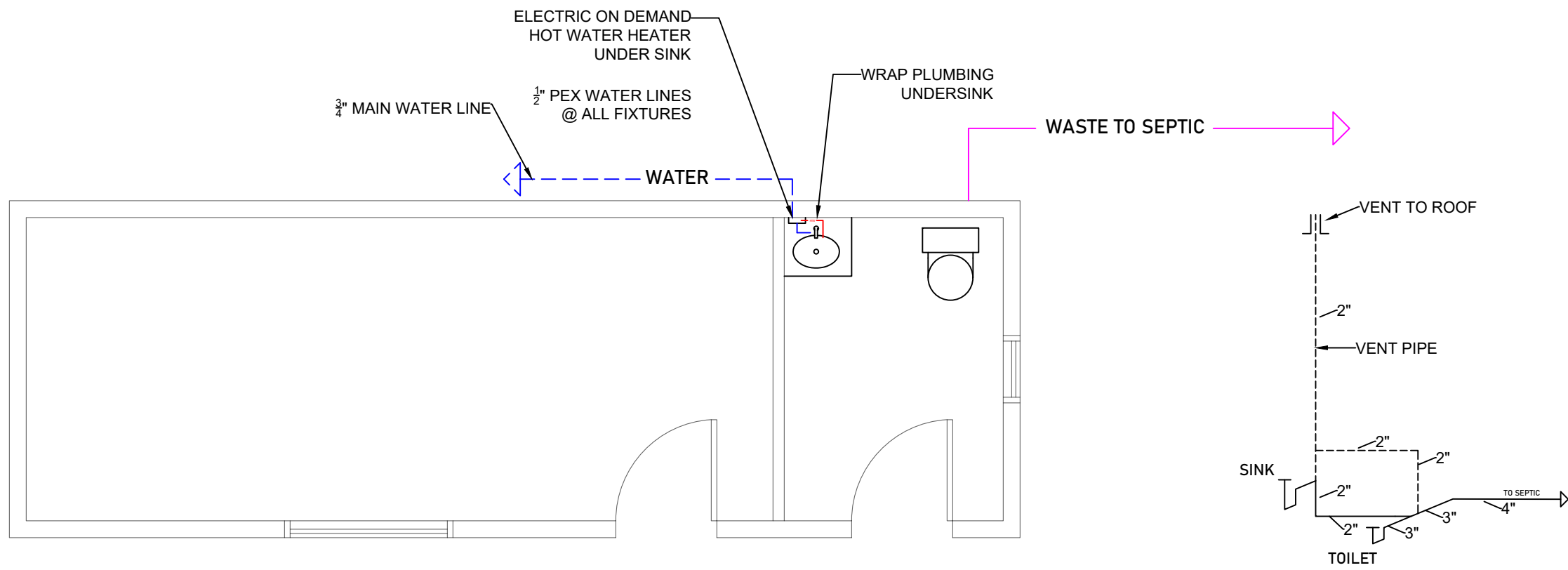
NORTH ELEVATION



EAST ELEVATION



FLOOR PLAN



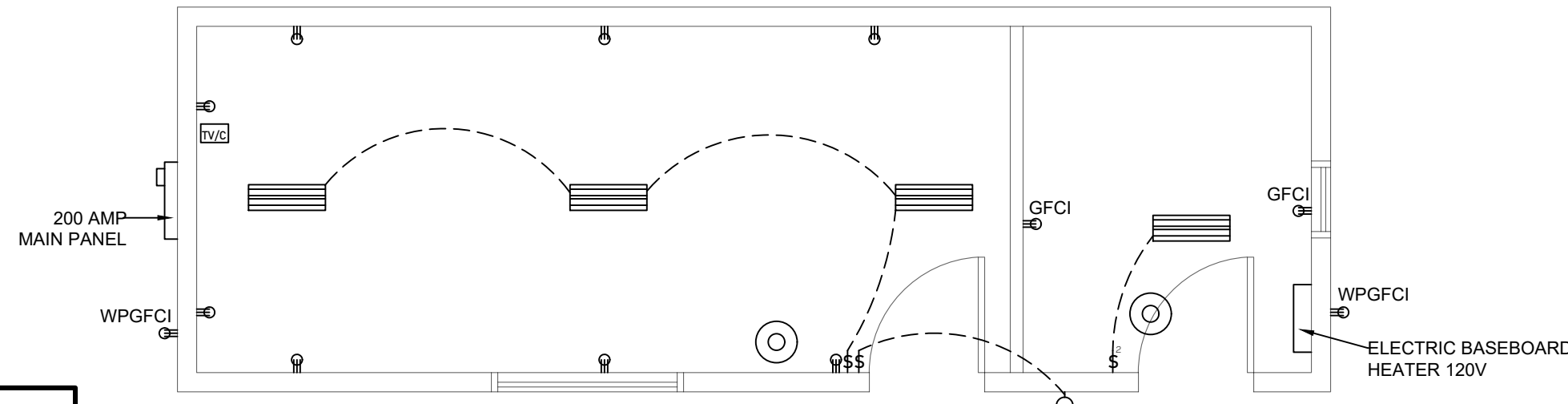
PLUMBING PLAN

DWV DIAGRAM NOT TO SCALE

ELECTRICAL/MECHANICAL LEGEND			
OUTLET		CABLE/PHONE OUTLET	
FLUORESCENT LIGHT		SMOKE DETECTOR (HARD WIRED WITH BATTERY BACKUP)	
SWITCH			
WALL MOUNT			

**MOUNTING HEIGHTS:**  
**OWNER TO VERIFY ALL MOUNTING LOCATIONS**

TYPICAL RECEPT. = +12" A.F.F. TO CENTER  
BATH COUNTER RECEPT. = +42 A.F.F. TO CENTER  
TYPICAL EXT. RECEPT. = +18" A.F.F. TO CENTER  
TYPICAL WALL MOUNT LIGHT = +78" A.F.F. TO CENTER  
TYPICAL SWITCH = +44" A.F.F. TO CENTER  
BATH WALL LIGHT = +82" A.F.F. TO CENTER



ELECTRICAL PLAN

ELECTRICAL NOTES: IBC 2018

- ALL GFCI OUTLETS SHALL BE INSTALLED IN IN READILY ACCESSIBLE LOCATION E3903.2
- RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE FLOOR LINE IN ANY UNBROKEN WALL SPACE IS MORE THAN 6 FEET, MEASURED HORIZONTALLY, FROM AN OUTLET IN THAT SPACE. A WALL SPACE SHALL INCLUDE ANY SPACE 2 FEET OR MORE IN WIDTH (INCLUDING SPACE MEASURED AROUND CORNERS) AND UNBROKEN ALONG THE FLOOR LINE BY DOORWAYS, FIREPLACES, AND SIMILAR OPENINGS. THE FIXED PANEL OF SLIDING GLASS DOORS IS CONSIDERED WALL SPACE.
- SMOKE DETECTORS SHALL COMPLY WITH IRC 314.3 SMOKE DETECTORS SHALL BE PROVIDED AT ACCESS TO ALL SLEEPING ROOMS PER R314.3 SMOKE DETECTORS SHALL RECEIVE THEIR PRIMARY POWER FROM THE BUILDING WIRING PER R314.4 AND BE INTERCONNECTED PER R314.5
- FOR NEW CONSTRUCTION AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF BEDROOMS IN DWELLING UNITS WITH FUEL FIRED APPLIANCES IN DWELLING UNITS WITH ATTACHED GARAGES
- ELECTRICAL MAIN SERVICE = 200 AMP THREE WIRE WITH QUICK DISCONNECT AND GROUND WITH 2# 4 SOLID COPPER WIRE CONNECTED TO A #4 FTG. REBAR
- PROVIDE A WALL SWITCH CONTROLLED LIGHTING OUTLET IN EVERY HABITABLE ROOM IN OTHER THAN BATHROOMS AND KITCHENS A SWITCHED WALL RECEPTACLE MAY BE USED PER WATER HEATER UNIT TO HAVE A DISCONNECT WITH WORKING CLEARANCE OVERCURRENT PROTECTION PER 440.21AND ARTICLE 240 NEC
- ALL EXTERIOR LIGHT FIXTURES SHALL BE FULLY SHIELDED ON MIN. THREE SIDES
- HVAC EQUIPMENT PROVIDE 15 OR 20 AMP OUTLET AT ACCESSIBLE LOCATIONS FOR SERVICING LOCATED ON SAME LEVEL WITHIN 25 FT OF UNIT, AND OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT
- BATHROOMS WATER CLOSETS AND SIMILAR ROOMS SHALL HAVE NO LESS THAN 3 SQ. FT. ONE HALF OPENABLE OR PROVIDE MECHANICAL EXHAUST IN ACCORDANCE WITH M1507 PER
- ALL TV/CABLE WIRING SHALL BE COAX R66 WIRING FROM EACH ROOM AND AS SHOWN ON THE PLAN, AND SHALL BE HOME-RUN TO A CENTRAL LOCATION AS SHOWN
- ALL PHONE LINE WIRING SHALL BE CAT 6 WIRING FROM EACH ROOM AND AS SHOWN ON THE PLAN, AND SHALL BE HOME-RUN TO A CENTRAL LOCATION AS SHOWN
- ARC-FAULT PROTECTION REQUIREMENTS PER NEC 210.12, ALL RECEPTACLES IN A DAMP OR WET LOCATION SHALL BE A LISTED WEATHER RESISTANT RECEPTACLE, ALL 125 VOLT, 15 AND 20 AMP RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES -WATER HEATERS SHALL BE EQUIPPED WITH A TEMPERATURE AND PRESSURE RELIEF VALVE. PER IRC P2804.6.1

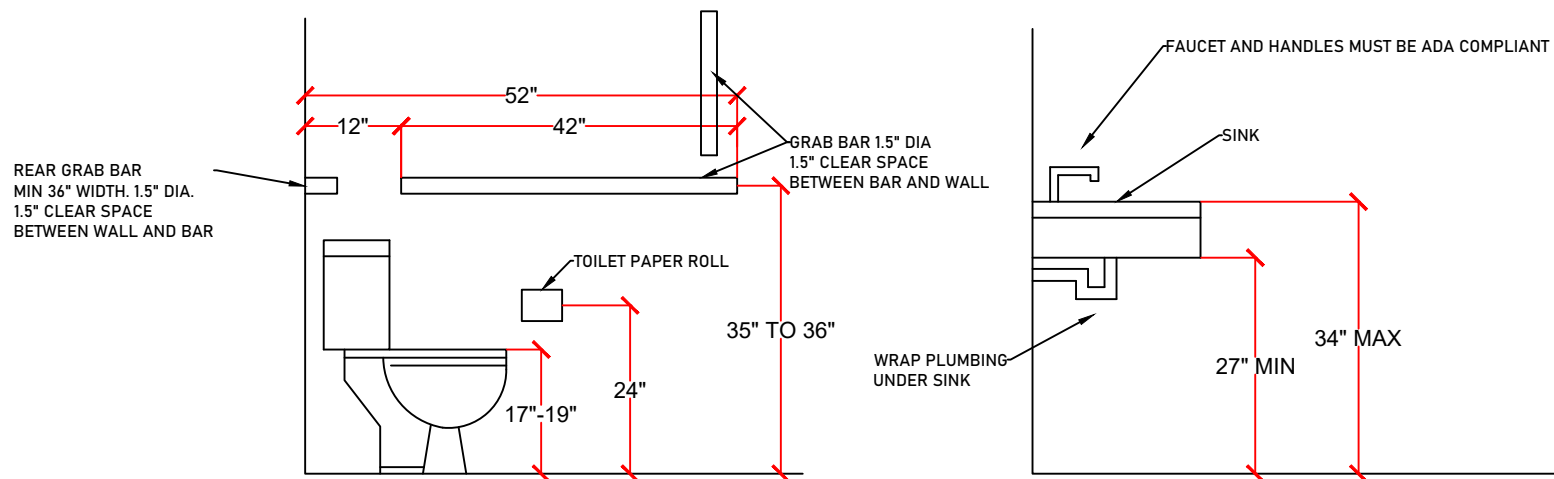
GENERAL NOTES

- IECC COMPLIANCE NOTES:**
  - WINDOWS, DOORS, AND SKYLIGHTS
  - FENESTRATION U-FACTOR WINDOWS AND DOORS:
    - FENESTRATION U-FACTOR = 0.75
    - GLAZED FENESTRATION SHGC= 40
  - STICKER SHALL REMAIN ON WINDOWS, SKYLIGHTS AND DOORS UNTIL INSPECTED AND APPROVED FOR THE ABOVE REQUIREMENTS.
  - FENESTRATION AIR LEAKAGE:
    - WINDOW SKYLIGHT AND SLIDING GLASS DOORS SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 CFM PER SQ. FT. AND SWINGING DOORS NO MORE THAN 0.5 CFM PER SQ. FT. SPECIFICATIONS SHALL BE LISTED ON THE MANUFACTURER LABEL.
    - ALL HABITABLE ROOMS SHALL BE PROVIDED WITH AGGREGATE GLAZING AREA OF NOT LESS THAN 8 PERCENT OF THE FLOOR AREA OF SUCH ROOMS. THE MIN. OPENABLE AREA TO THE OUTDOORS SHALL NOT BE LESS THAN 4 PERCENT OF THE FLOOR AREA BEING VENTILATED PER IRC E2003.1
- CEILING/ROOF:**
  - R-38 MIN. BATT INSULATION
- WOOD FRAMED WALLS:**
  - R-19 MIN. BATT INSULATION
  - 1. INSULATION SHALL BE IN SUBSTANTIAL CONTACT WITH THE SURFACE BEING INSULATED TO AVOID AIR PATHS THAT BYPASS INSULATION.
  - 2. INSULATION SHALL NOT BE COMPRESSED BY INSET STAPLING OF BATT INSULATION OR OTHER MEANS.
  - 3. INSULATION SHALL FILL ALL CAVITIES COMPLETELY BY CUTTING INSULATION AROUND ELECTRICAL OUTLETS AND SWITCHES, AND BY SLICING INSULATION TO FIT BEHIND AND IN FRONT OF ELECTRICAL WIRING AND PLUMBING PIPING IN THE CAVITY.
  - 4. BATT AND RIM JOISTS AND OTHER INTERSTITIAL FLOOR ELEMENTS SHALL BE INSULATED.
- CIRCULATING HOT WATER SYSTEM:**
  - ALL CIRCULATING HOT WATER PIPING SHALL BE INSULATED TO AT LEAST R-3. ALL NEW RESIDENCES EXCEEDING 1,800 SQ. FT. WITH TWO OR MORE BATHROOMS SHALL HAVE CIRCULATING HOT WATER SYSTEM. CIRCULATING HOT WATER SYSTEMS SHALL INCLUDE AN AUTOMATIC OR READILY ACCESSIBLE MANUAL SWITCH THAT CAN TURN OFF THE HOT WATER CIRCULATING PUMP WHEN THE SYSTEM IS NOT IN USE. THERMAL SYSTEMS SHALL HAVE VALVE TO REDUCE FLOW. ALTERNATE SYSTEMS SHALL BE CONSIDERED.
- AIR LEAKAGE FOR BUILDING ENVELOPE:**
  - THE CODE ALLOWS THE USE OF AIRFLOW RETARDERS (HOUSE WRAPS) OR OTHER SOLID MATERIALS AS ACCEPTABLE METHODS TO MEET THIS REQUIREMENT. TO BE EFFECTIVE THE BUILDING ENVELOPE SEAL MUST BE IMPERMEABLE TO AIR FLOW.
  - CONTINUOUS OVER THE ENTIRE BUILDING ENVELOPE. CONT. ABLE TO WITHSTAND THE FORCES THAT MAY ACT ON IT DURING AND AFTER CONSTRUCTION.
  - DURABLE OVER THE EXPECTED LIFETIME OF THE BUILDING.
  - ALL SEAMS AND EDGES MUST BE SEALED/TAPED PER MANUFACTURERS SPECIFICATIONS.
- DUCT INSULATION AND SEALING:**
  - SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO A MIN. OF R-4 EXCEPT FOR DUCTS THAT ARE COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE.
  - ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES NOT FOR SUPPLY AIR) USED AS DUCTS SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH THE IRC SECTION M1603.1.
- MECHANICAL VENTILATION:**
  - ANY OUTDOOR AIR INTAKES AND EXHAUSTS SHALL HAVE AUTOMATIC OR GRAVITY DAMPERS THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING.
- MECHANICAL AND PLUMBING SYSTEM PIPING INSULATION**
  - MECHANICAL AND PLUMBING SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 100 DEGREES F OR BELOW 55 DEGREES F SHALL BE INSULATED TO A MIN. OF R-3.
  - ELEVATED IN PIPING SHALL HAVE THE REQUIRED INSULATION CAREFULLY FITTED AND SECURED WITH GLUE OR TAPE.
- HVAC EQUIPMENT:**
  - AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPERATE HEATING AND COOLING SYSTEM.
  - EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH THE IRC SECTION I401.3
- RECESSED LIGHTING:**
  - RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES BY BEING:
    - 1. IC-RATED AND LABELED WITH ENCLOSURES THAT ARE SEALED OR GASKETED TO PREVENT AIR LEAKAGE TO THE CEILING CAVITY OR UNCONDITIONED SPACE. OR
    - 2. IC-RATED AND LABELED AS MEETING ASTM E 283, OR
    - 3. LOCATED INSIDE AIRTIGHT SEALED BOX WITH CLEARANCES OF AT LEAST 0.5 INCH FROM COMBUSTIBLE MATERIAL AND 3 INCHES FROM INSULATION.
- BUILDING THERMAL ENVELOPE**
  - THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED, WEATHER STRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL. ALL JOINTS, SEAMS, AND PENETRATIONS - SITE BUILT WINDOW AND DOOR ASSEMBLIES AND THERE RESPECTIVE JAMBS AND FRAMING - UTILITY PENETRATIONS - DROPPED CEILING OR CHASES ADJACENT TO THE THERMAL ENVELOPE - KNEE WALLS - WALLS AND CEILINGS SEPARATING A GARAGE FROM CONDITIONED SPACES - BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS - COMMON WALLS BETWEEN DWELLING UNITS - OTHER SOURCES OF INFILTRATION.

BUILDING AREA

TOTAL UNDER ROOF... 300 sq. ft.

NO.	REVISION/ISSUE	DATE
PROJECT NAME		
BLAZELAND		
DATE	3	
11/1/22		
SCALE	1/4" = 1'	



ADA HEIGHT STANDARDS 3/4"=1'