

3'-9 3/8"

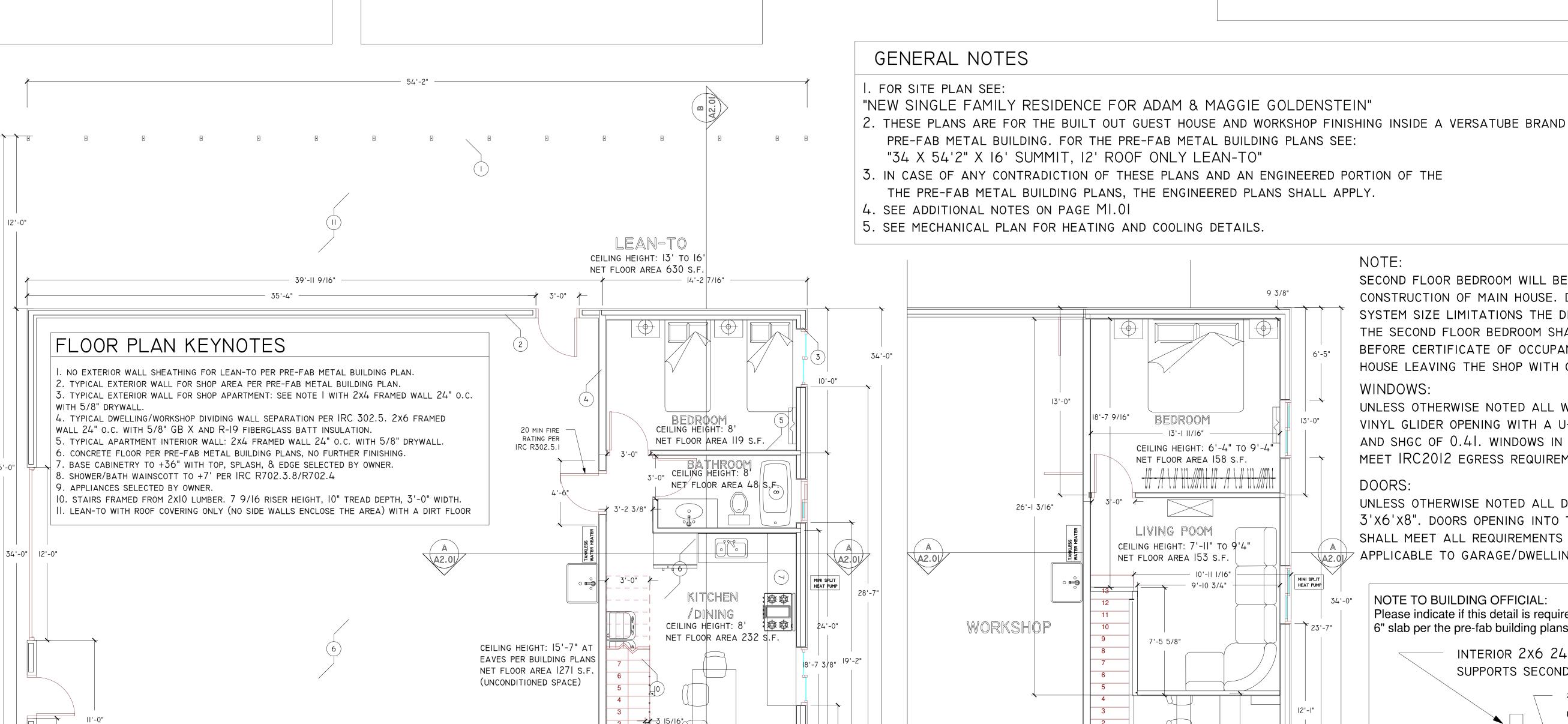
IST FLOOR PLAN

13'-9 1/2"

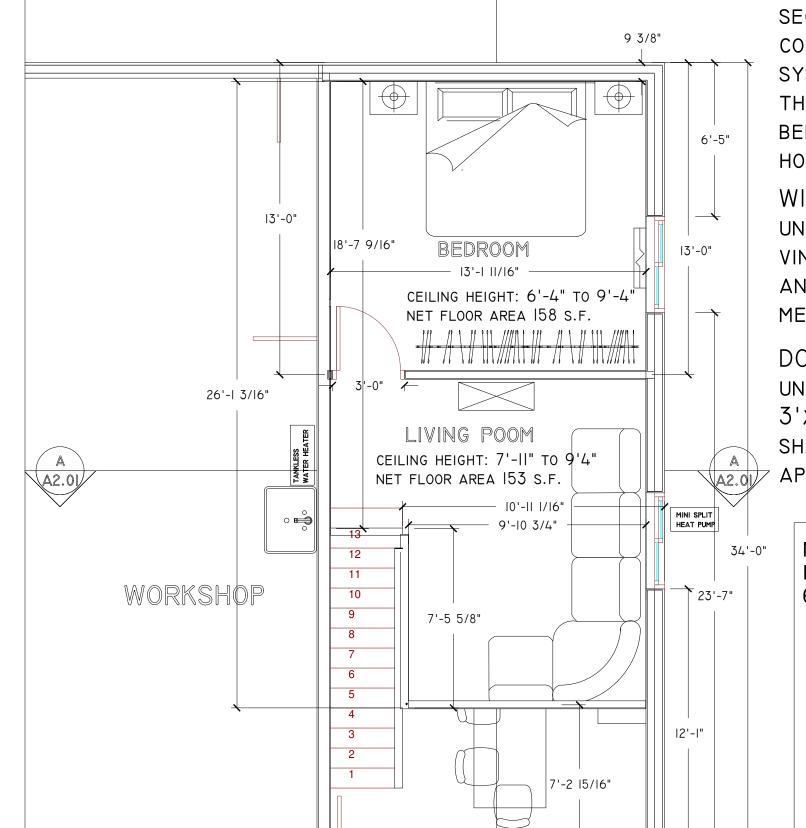
4'-6"

1/4" = 1'-0"

## VICINITY MAP DESIGN BY ADAM GOLDENSTEIN III36 E HAVASUPAI TRAIL DEWEY, AZ 8632 602-626-0980 PRESCOTT VALLEY COUNTR BUILDER DEWEY-HUMBOLT ADAM GOLDENSTEIN III36 E HAVASUPAI TRAIL DEWEY, AZ 8632 602-626-0980



→**/** 3'-l l5/l6" **/** 



# 2ND FLOOR PLAN

1/4" = 1'-0"

NOTE:

SECOND FLOOR BEDROOM WILL BE LIVED IN DURING CONSTRUCTION OF MAIN HOUSE. DUE TO SEPTIC SYSTEM SIZE LIMITATIONS THE DIVIDING WALL FOR THE SECOND FLOOR BEDROOM SHALL BE REMOVED BEFORE CERTIFICATE OF OCCUPANCY OF THE MAIN HOUSE LEAVING THE SHOP WITH ONLY ONE BEDROOM.

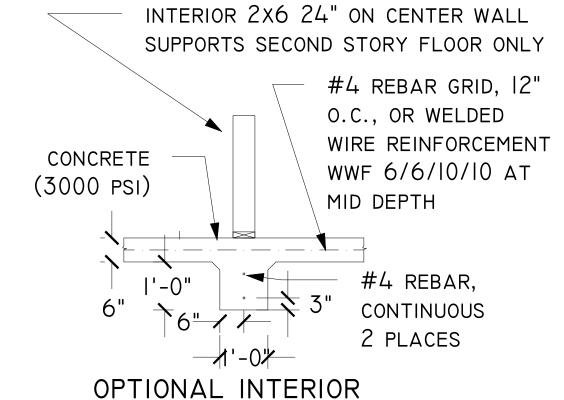
### WINDOWS:

UNLESS OTHERWISE NOTED ALL WINDOWS ARE 4'X4' VINYL GLIDER OPENING WITH A U-FACTOR OF 0.35 AND SHGC OF 0.41. WINDOWS IN BEDROOMS SHALL MEET IRC2012 EGRESS REQUIREMENTS.

#### DOORS:

UNLESS OTHERWISE NOTED ALL DOORS ARE 3'x6'x8". DOORS OPENING INTO THE WORKSHOP SHALL MEET ALL REQUIREMENTS OF IRC2012 APPLICABLE TO GARAGE/DWELLING DOORS.

> NOTE TO BUILDING OFFICIAL: Please indicate if this detail is required or if the reinforced 6" slab per the pre-fab building plans is sufficient?



BEARING WALL FOOTING

5/18/2018 1/4" = 1'-0"

1/2" = 1'-0"

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General Notes

INITIAL RELEASE

Revision/Issue

9

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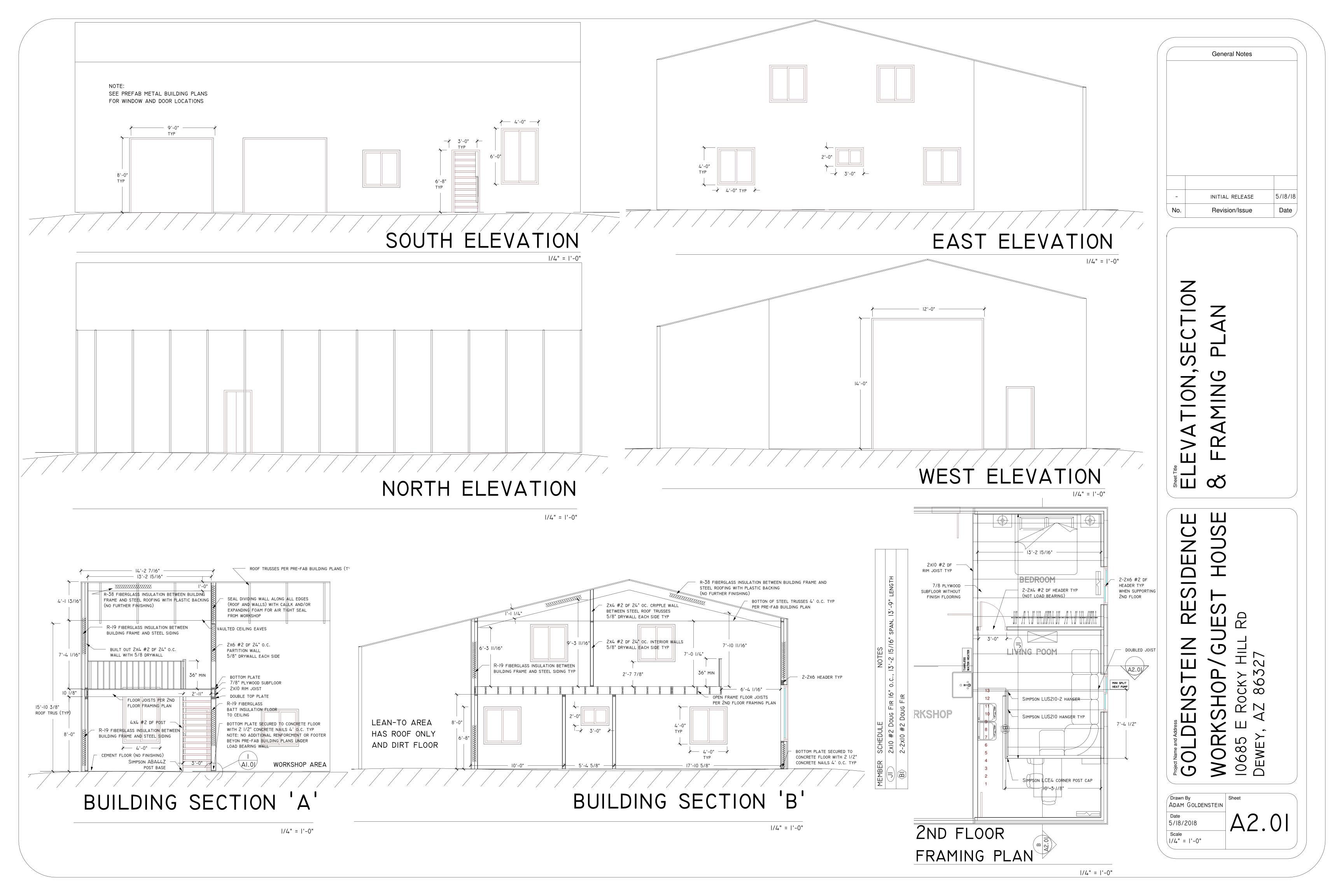
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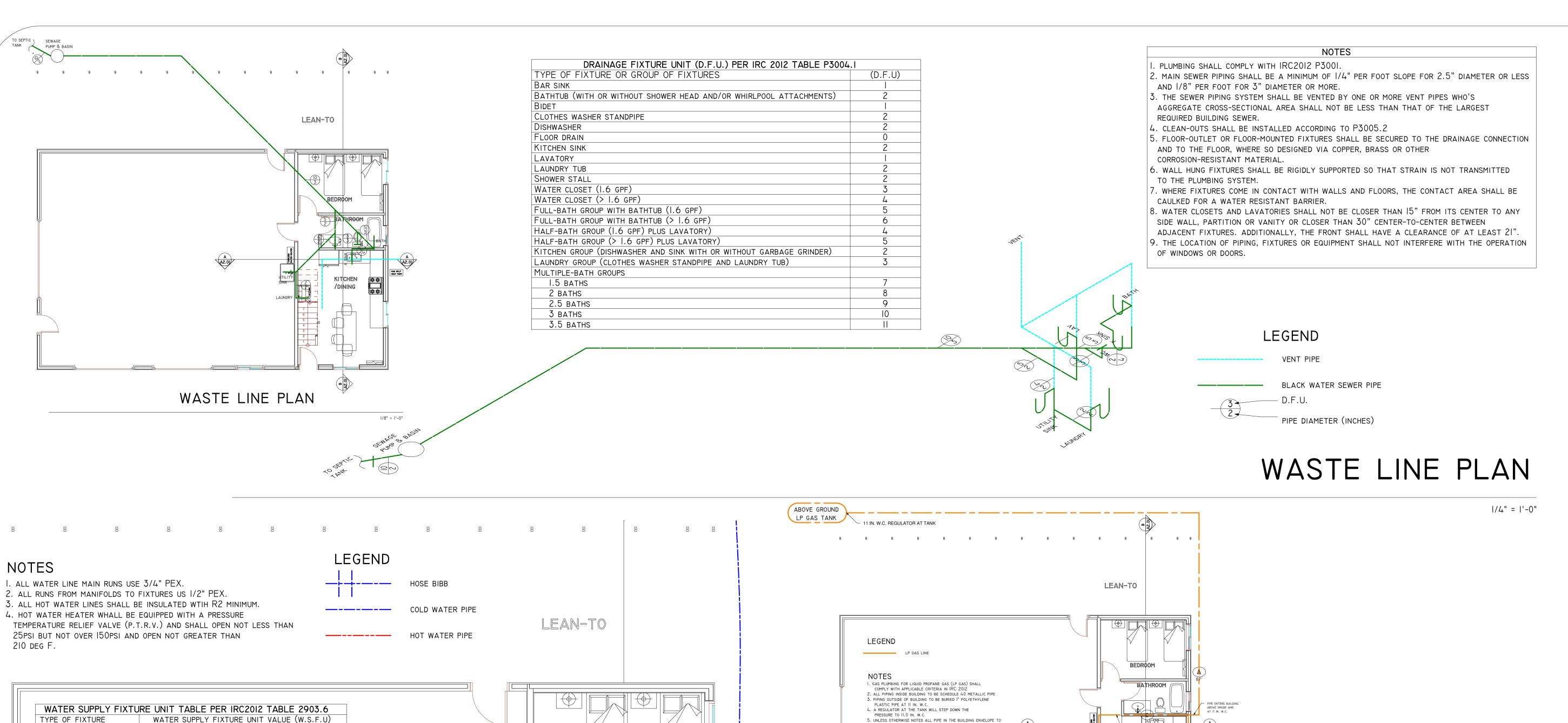
5/18/18

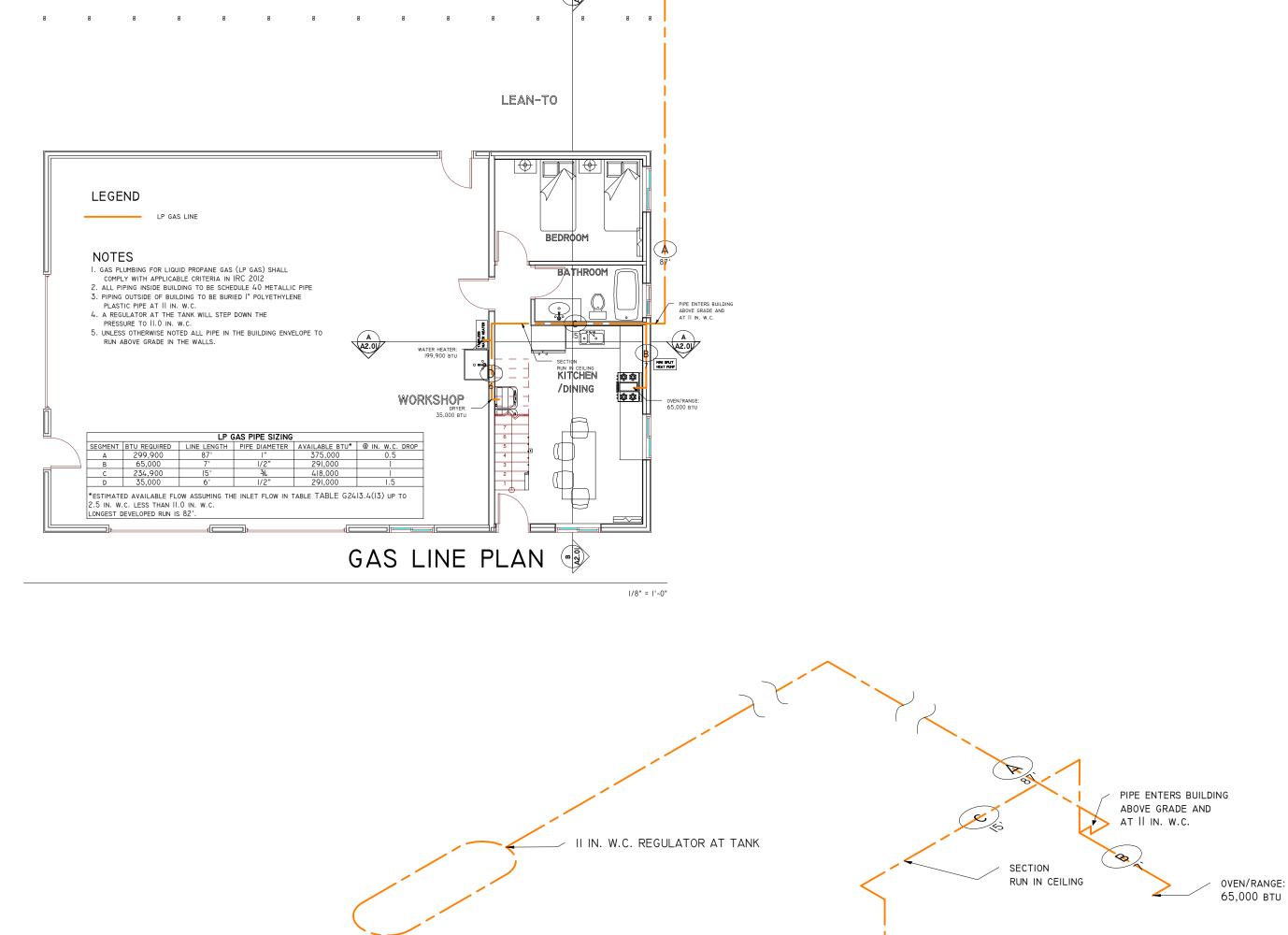
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ADAM GOLDENSTEIN







GAS LINE PLAN

DRYER:

35,000 BTU

WATER HEATER: 199,900 BTU PLANS PLANS

General Notes

INITIAL RELEASE

Revision/Issue

5/18/18

Date

ORKSHOP/GUEST HOUSE

S85 E ROCKY HILL RD

WEY, AZ 86327

Drawn By
ADAM GOLDENSTEIN

Date
5/18/2018

Scale
1/4" = 1'-0"

BEDROOM

BATHROOM

BATHTUB

DISHWASHER
FULL-BATH GROUP

HOSE BIBB
KITCHEN GROUP

KITCHEN SINK

LAUNDRY TUB

SHOWER STALL

WATER CLOSET

TOTAL (W.S.F.U)

MAX DEV. LENGTH (FT)

PRESSURE (PSI)

LAVATORY

LAUNDRY GROUP

CLOTHES WASHER

HALF-BATH GROUP

0.0

3.6

0.0

2.5

1.4

0.0

0.0

16.4

40

WATERQUICK PRO ADVANCED WQP-A HOT — WATER CIRCULATION PUMP AND SMART CONTROL WITH MANUAL SWITCH (MOVE, OFF AND AUTO):

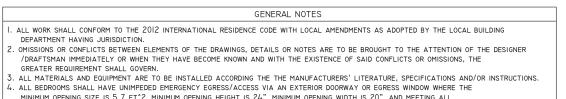
WATER HEATER SHALL BE MOUNTED A MINIMUM OF 6'-0" ABOVE THE FLOOR.

WATER HEATER TEMPERATURE /PRESSURE RELIEF PIPING RUN ALONG WALL TO EXTERIOR.

WATER HEATER TEMPERATURE
/PRESSURE RELIEF SHALL
TERMINATE OUTSIDE POINTING
DOWN NOT LESS THAN 6" BELOW
AND NOT MORE THAN 24"
ABOVE THE GROUND.

SUPPLY WATER LINE PLAN

G2408.3 (305.5)



ALL BEPROOMS SHALL HAVE UNIMPEDED EMERGENCY EGRESS/ACCESS VIA AN EXTERIOR DOORWAY OR EGRESS WINDOW WHERE THE MINIMUM OPENING SIZE IS 5.7 FT^2, MINIMUM OPENING HEIGHT IS 24", MINIMUM OPENING WIDTH IS 20", AND MEETING ALL REQUIREMENTS OF IRC SECTION R310. PROVIDE SMOKE DETECTORS ON SEPARATE ELECTRICAL CIRCUITS WITH BATTERY BACKUPS PER IRC SECTION R317

6. ALL HABITABLE AREAS SHALL BE HEATED TO MAINTAIN A MINIMUM OF 68 DEGREES F PER IRC SECTION R303.6 . PROVIDE TERMITE TREATMENT PER STATE REQUIREMENTS AND IRC SECTION R324. DO NOT DISTURB AFTER APPLICATION AND RETREAT IF CONCRETE IS NOT POURED WITHIN 12 HOURS 8. PROVIDE I HOUR FIRE RESISTIVE WALL CONSTRUCTION CONSISTING OF I LAYER OF 1/2" OR GREATER TYPE 'X' GYPSUM WALL BOARD AT GARAGE WALLS COMMON TO LIVING AREA FROM SOLE PLATE TO GARAGE CEILING LID; PROVIDE 2 LAYERS OF 1/2" OR GREATER TYPE C WHEN TJI'/LPL'S ON 24" O.C. ARE USED. D. GLASS OR GLAZING IN HAZARDOUS AREAS, DEFINED AS BEING WITHIN 24" OF DOORS OR 18" OFF FLOORS AND OTHER APPLICATIONS IS TO BE

0. WHEN GYPSUM WALL BOARD IS USED IN TUB/SHOWER AREAS A MOISTURE RATED PRODUCT SHALL BE USED TO A MINIMUM OF 72" ABOVE 1. ALL BUILDING JOINTS, SEAMS PENETRATIONS, AND OTHER SOURCES OF AIR LEAKAGE THROUGH THE BUILDING THERMAL ENVELOPE SHALL BE CAULKED, WEATHER STRIPPED, WRAPPED OR OTHERWISE SEALED TO LIMIT UNCONTROLLED AIR MOVEMENT.

12. INSULATION SHALL BE PER PLAN. IF INSULATION OF ANY PORTION OF THE THERMAL ENVELOPE IS NOT SHOWN IT SHALL BE INSULATED WITH A MINIMUM AS FOLLOWS: R-19 WALLS, R-10 STEM WALLS, AND R-38 CEILING.

#### FOUNDATION NOTES

. ALL FOOTINGS SHALL REST ON NATURAL UNDISTURBED SOIL, OR ON ENGINEERED CONTROLLED FILL AND SHALL EXTEND A MINIMUM OF 18" BELOW THE FROST LINE / FINISHED GRADE.

2. DESIGN SOIL BEARING: 1500 PSI ASSUMED UNLESS OTHERWISE NOTED. ANY QUESTIONS REGARDING COMPOSITION OR BEARING CAPACITY OF THE SOIL SHALL BE ADDRESSED BY THE OWNER AND/OR CONTRACTOR. IN THE EVENT OF UNSTABLE CONDITIONS A LICENSED ENGINEER WILL BE CONSULTED.

3. ALL VEGETATION AND FOREIGN OBJECTS SHALL BE REMOVED BEFORE PRIOR TO THE PLACEMENT OF FOOTINGS, SLAB OR OTHER UNDERGROUND INSTALLATIONS.

. ALL COMPACTION PROCEDURES IN NATURAL GROUND OR ENGINEERED FILL WHICH THE BEARING WEIGHT OF A STRUCTURE RESTS ON SHALL PROVIDE FOR A MINIMUM OF 95% DENSITY, WITH VERIFICATION BY A SOILS REPORT FROM A LICENSED SOILS LABORATORY. SLABS FOR PORCHES, GARAGES, AND DRIVEWAYS SHALL BE COMPACTED BY A PROCESS TO ACHIEVE 95% DENSITY AND VERIFICATION BY A SOILS REPORT IS AT THE DISCRETION OF THE OWNER. 3. ALL CONCRETE WORK SHALL HAVE A MINIMUM COMPREHENSIVE STRENGTH AS OUTLINED IN IRC TABLE R402.2.2 AND ACI318. QUALITY OF ASSURANCE AND CONTROL OF ALL CONCRETE WORK IS TO CONFORM TO CURRENT ACI SPECIFICATIONS.

6. CONCRETE SLABS AND OTHER FLAT WORK SHALL BE GIVEN A MINIMUM 72 HOURS CURING TIME PRIOR TO ANY FORM OF LOADING AND 28 DAYS MINIMUM OF 28 DAYS BEFORE VEHICULAR TRAFFIC.

INTERIOR CONCRETE SLABS ARE TO BE TROWELED SMOOTH, EXTERIOR BROOM FINISHED AT EXPOSED AREAS UNLESS OTHERWISE NOTED.

8. ALL CONCRETE MATERIAL SHALL HAVE A MINIMUM CEMENT CONTENT OF 5 SACKS PER YD^3. MINIMUM 2.500 PSI AND CONFORM TO ASTM CI50 TYPE II. AGGREGATE SHALL CONFORM TO ASTM C33. SLUMP TESTING SHALL NOT EXCEED 4" AND WATER MAY NOT BE ADDED AT THE JOB SITE. CONCRETE THAT HAS BEE DELIVERED AND IN TRUCKS, ON THE JOB SITE FOR MORE THAN ½ HOUR WILL NOT BE ACCEPTED. D. CONCRETE IS TO BE PLACED IN ITS FINAL POSITION AND NOT MOVED OR ALTERED THEREAFTER. APPLY MECHANICAL VIBRATION AT DUCTS OR OTHER STRUCTURES AS NEEDED TO ENSURE COMPLETE PLACEMENT.

FRAMING PLANS INDICATE STRUCTURAL CONDITIONS ONLY AND NOT METHODS OF CONSTRUCTION. INSTALL BLOCKING, BRACING, AND ADDITIONAL MEMBERS AS REQUIRED BY CODE, WHETHER CALLED OUT IN THE DRAWING OR NOT. PROVIDE OR REPLACE NAILERS, BACKING OR OTHER MEMBERS AS NEEDED FOR WALLBOARD, ROOFING, PLUMBING, MECHANICAL AND ELECTRICAL AND OTHER ACCESSORY INSTALLATIONS. REPLACE BENT, BOWED OR DEFECTIVE MEMBERS, LEVEL OR RE-LEVEL WALLS, FOOR AND WINDOW JAMBS PRIOR TO WALLBOARD, AND MEMBERS ALTERED OR DAMAGED BY OTHER TRADES. 2. PLYWOOD SHEATHING SHALL BE CDX (CCX WHEN EXPOSED) OR OSB, THICKNESS PER PLANS AND SHALL BEAR THE STAMP OF AN APPROVED GRADING AGENCY.

3. ALL EXTERIOR WALLS SHALL BE SHEATHED CONTINUOUSLY REGARDLESS OF MINIMUM BRACED WALL REQUIREMENTS. . SIL PLATES SHALL BE PRESSURE TREATED AND BE TERMITE, FUNGUS, AND DECAY RESISTANT. . ALL FRAMING LUMBER SHALL BE IN SERVICEABLE CONDITION AND CONFORM TO THE LATEST MANUAL EDITION OF WESTERN WOOD PRODUCTS ASSOCIATION OR THE WEST COAST LUMBER INSPECTIONS BUREAU. ALL SAWN LUMBER SHALL BE GRADE STAMPED WITH THE MARK OF AN APPROVED GRADING
AGENCY ALL FRAMING LUMBER SHALL BE DOUGLAS FIR LARCH OF THE FOLLOWING GRADES WITH THE MINIMUM PROPERTIES:

LEDGERS AND TOP PLATES: NO. 2 2x4 AND 2x6 STUDS: NO. 2

TEMPERED OR SAFETY GLASS PER IRC SECTION R308.4

POSTS 4X6 AND LARGER: NO. | . MANUFACTURED BEAMS ARE TO BE DOUGLAS FIR OR EQUAL AND ARE TO INCLUDE ALL NECESSARY APPURTENANCES AND MATERIAL AND HARDWARE FOR ANCHORAGES, BRIDGING, BRACING, AND SPLICES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, WHETHER CALLED OUT ON THE DRAWINGS OR NOT.

7. PROVIDE POSITIVE METAL CONNECTORS PROVIDING FOR ANCHORAGE AND REINFORCEMENT OF ALL STRUCTURAL MEMBERS FROM FOUNDATION THROUGH TO THE TOP OF THE STRUCTURE FOR UPLIFTING AND LATERAL MOVEMENT AS DETAILED IN THE PLANS AND FOR ANY PLACE

DESIGN LOADS: FLOOR: DEAD: 15 PSF, LIVE LOAD 40 PSF

INDIMU AVERAGE BENDING YIELD STRENGT INE AS SHOWN: BULST FOR SHANN DIAMETER OF 0.1/2 INCH (ZOD COMMON NALL), VURST FOR SHANN DIAMETERS CANNON DIAMETERS CANNON

INE CONNECTION

JOIST TO SILL OR GIRDER BRIDGING TO JOIST TOENAIL EACH END IAD AT IA" O.C. TYPICAL FACE NAIL SOLE PLATE TO JOIST OR BLOCKING SOLE PLATE TO JOIST OR BLOCKING AT BRACED WALL PANEL 3-16D AT 16" O.C. BRACED WALL PANEL TOP PLATE TO STUD 2-16D END NAIL 4-8D / 2-16D TOENAIL / END NAIL STUD TO SOLE PLATE DOUBLE STUDS 16D AT 24" O.C. FACE NAIL DOUBLE TOP PLATES
DOUBLE TOP PLATES 24" OFFSET OF END JOINTS 16D AT 16" O.C. TYPICAL FACE NAIL
8-16D FACE NAIL IN LAPPED AREA O BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE RIM JOIST TO TOP PLATE

TOP PLATE, LAPS, CORNERS AND INTERSECTIONS 8D AT 6" O.C. FACE NAIL CONTINUOUS HEADER, TWO PIECES
CONTINUOUS HEADER TO STUD 16" O.C. ALONG EDGE RAFTER TO PLATE 6 BUILT-UP CORNER STUDS 20D 32" O.C. FACE NAIL 32" O.C. STAGGERED 7 BUILT-UP GIRDER AND BEAMS & FACE NAIL AT ENDS AND SPLICES

FASTENER SCHEDULE: GENERAL STRUCTURAL MEMBER

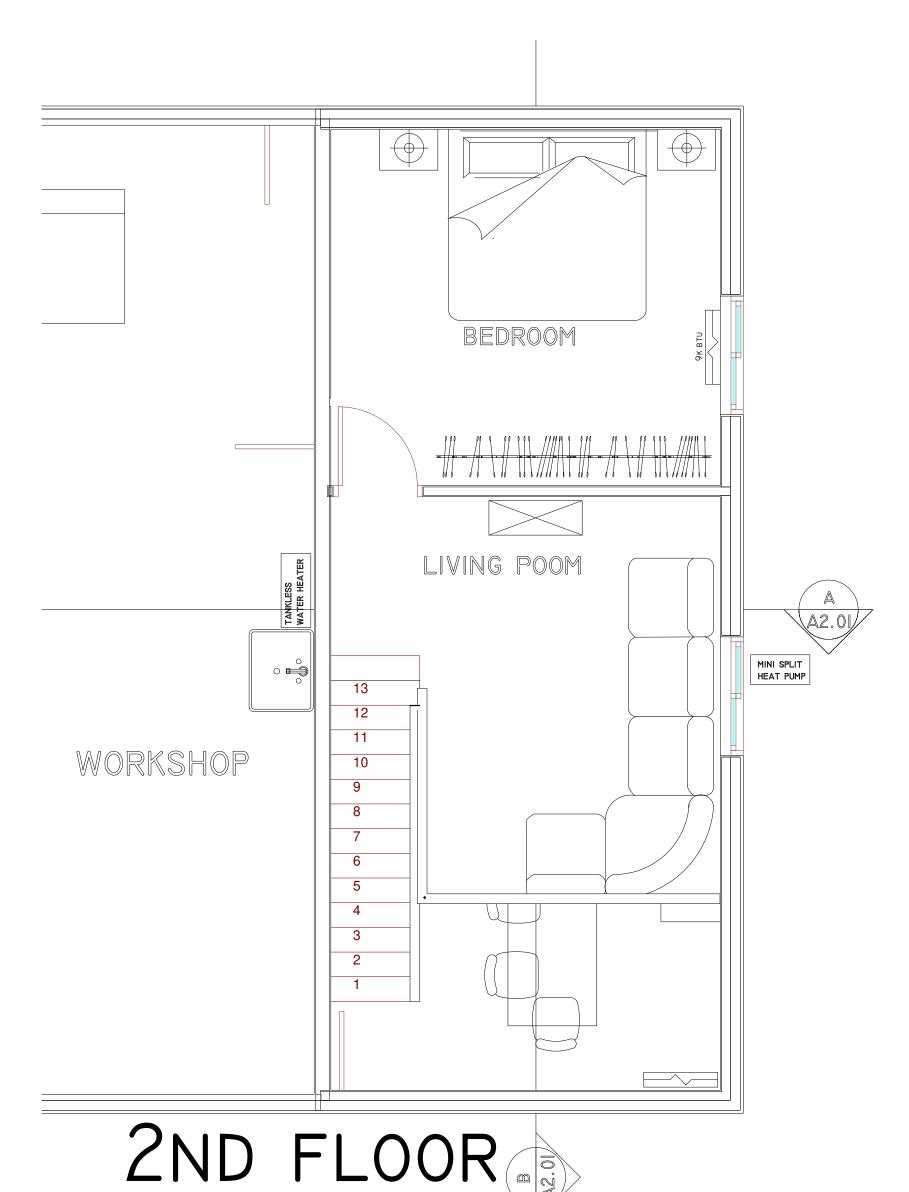
FASTENER SCHEDULE: WOOD STRUCTURAL PANELS, SUBFLOOR, ROOF AND INTERIOR WALL SHEATHING TO FRAMING LINE PANEL THICKNESS FASTENER

1 3/8"-1/2" 6D (SUB-FLOOR WALL)J, 8D (ROOF)F

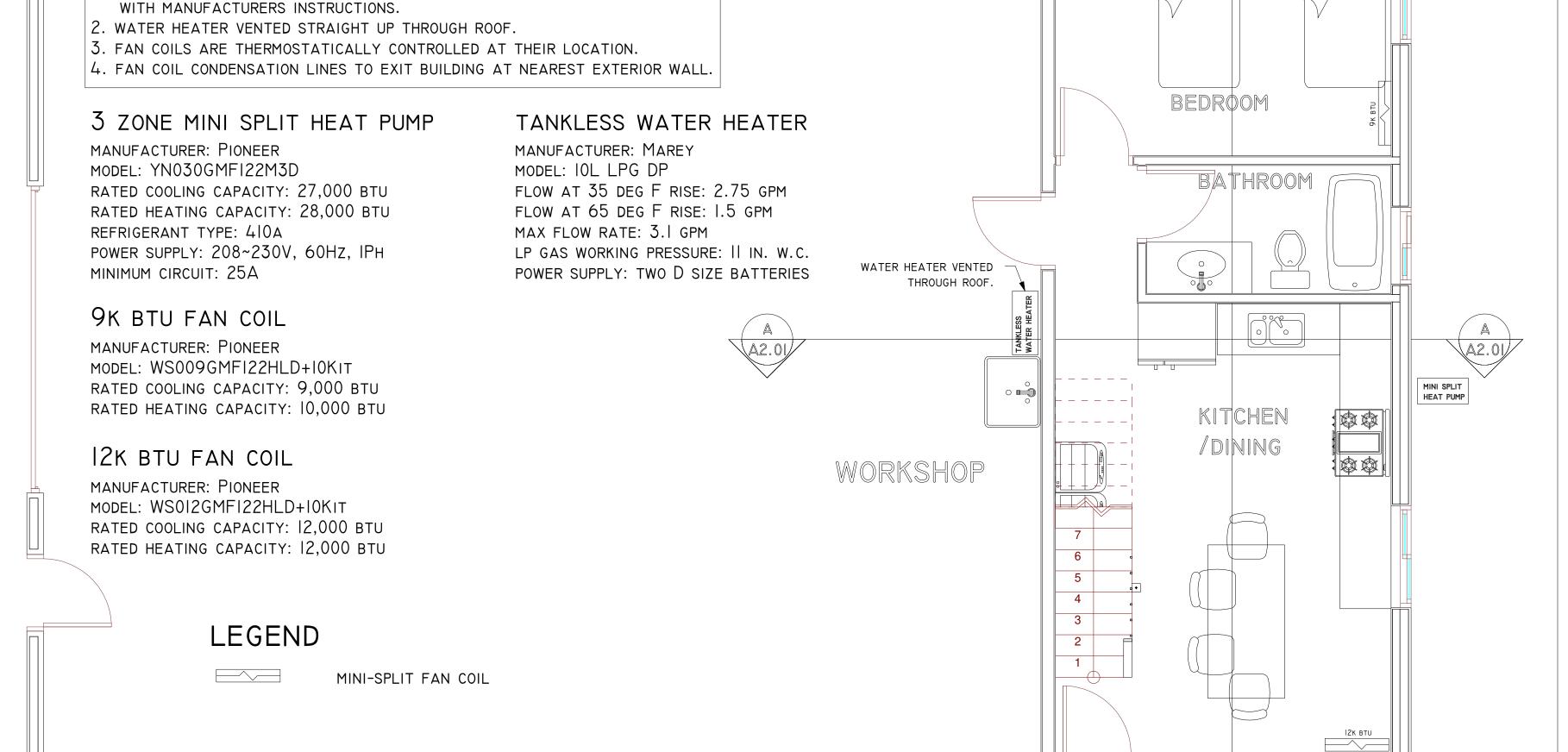
FASTENERS FOR DRYWAI SPACING (EDGE) SPACING (FIELD)

JACK STUD SCHEDULE OPENING WIDTH STUDS REQUIRED 6'6" TO 18'-0" SEE FLOOR PLAN

OPENING WIDTH HEADER SIZE



MECHANICAL PLAN



NOTES

. APPLIANCES SELECTED BY OWNER AND INSTALLED IN ACCORDANCE

IST FLOOR MECHANICAL PLAN

LEAN-TO

General Notes 5/18/18 INITIAL RELEASE Date Revision/Issue

Sheet Title

USE RESIDENCE RD ROCKY HILL AZ 86327

1/4" = 1'-0"

Drawn By
ADAM GOLDENSTEIN MI.01 5/18/2018 | | / 4" = | ' - 0"

10685 Dewey

|/4" = |'-0"



© LIVING POOM

ELECTRICAL LOAD CALCULATIONS		
1836 S.F x 3 WATTS	5508	WATTS
RANGE OVEN	8000	WATTS
ELEC DRYER	5000	WATTS
BATH GFCI XI	1500	WATTS
CLOTHES WASHER	1500	WATTS
LAUNDRY	1500	WATTS
KITCHEN APPLIANCE X2	3000	WATTS
REFRIGERATOR	1500	WATTS
DW/DISPOSAL	2250	WATTS
WORKSHOP 220V x5	55000	WATTS
TOTAL	84758	WATTS
IST 10KW AT 100%	10000	WATTS
REMAINDER AT 40%	29903	WATTS
TOTAL	39903	WATTS
TOTAL/240V	166	AMPS
MINI SPLIT	15	AMPS
SEWAGE PUMP	15	AMPS
TOTAL SERVICE LOAD	196	AMPS

A2.01

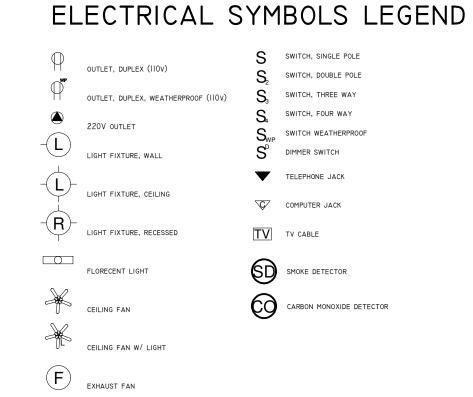
WORKSHOP

2ND FLOOR

ELECTRICAL PLAN

#### ELECTRICAL NOTES

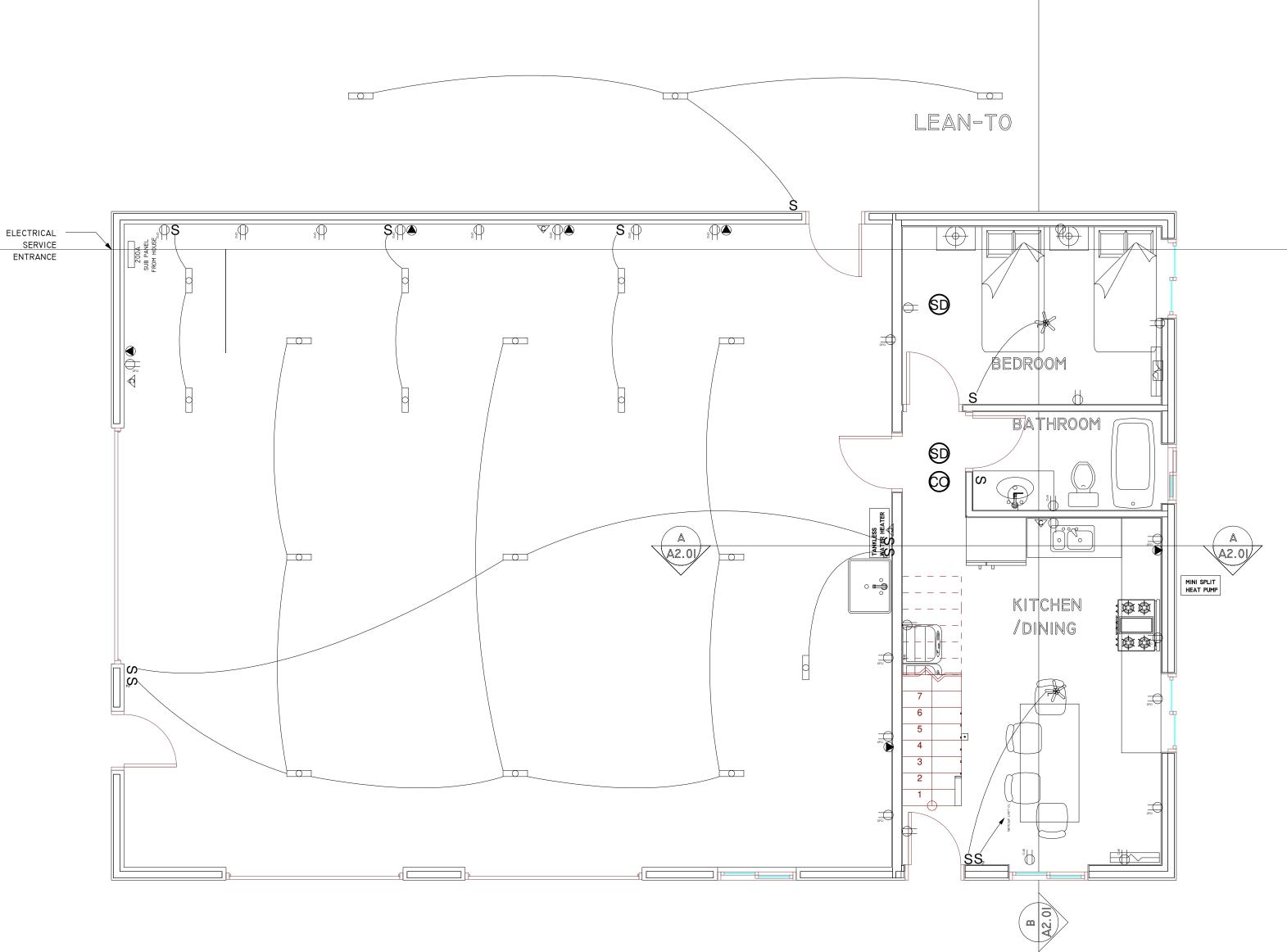
- I. UNLESS OTHERWISE NOTED ALL OUTLETS ARE 110V AND 15A.
- 2. ELECTRICAL DESIGN AND INSTALLATION SHALL COMPLY WITH IRC 2012 NOT LIMITED TO THE SELECT PORTIONS
- REPRODUCED HERE FOR CONVENIENCE:
- -RECEPTACLES SPACING SHALL SUCH THAT NO POINT ALONG THE FLOOR LINE EXCEEDS 6' FOR ANY WALL SPACE 2' OR MORE PER IRC 2012 E3901.2 -RECEPTACLES 65" IN HEIGHT OR LESS SHALL BE TAMPER RESISTANT PER IRC 2012 E4002.14 -CARBON MONOXIDE ALARMS SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOM IN THE DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES.
- -FACE PLATES SHALL BE GROUNDED PER IRC 2012 E4001.11.1. -ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION SHALL BE USED FOR ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT OUTLETS IN DWELLING AREAS. -GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION SHALL BE USED FOR ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT OUTLETS IN GARAGE/WORKSHOP/EXTERIOR AREAS
- -120-VOLT, SINGLE PHASE, 15- AND 20 -AMP OUTLETS INSTALLED PER IRC 2012 E3902.12.
- 3. SMOKE DETECTORS SHALL MEET REQUIREMENTS OF R314.1 WHICH INCLUDE BEING UL217 LISTED AND INTERCONNECTED.
- 4. CARBON MONOXIDE DETECTORS SHALL MEET REQUIREMENTS OF R314.1 WHICH INCLUDE BEING UL2075 LISTED.
- 5. ALL EXTERIOR LIGHTING FIXTURES SHALL BE AIMED OR SHIELDED SO THAT THE DIRECT ILLUMINATION SHALL BE CONFINED TO THE PROPERTY BOUNDARIES AND MEET THE TOWN OF DEWEY-HUMBOLDT'S LIGHT POLLUTION CONTROL ZONING (TOWN CODE SECTIONS 153.150-153.153).



MINI SPLIT FAN COIL

WP WHIRLPOOL TUB

General Notes 5/18/18 INITIAL RELEASE Revision/Issue Date



IST FLOOR ELECTRICAL PLAN

Drawn By
ADAM GOLDENSTEIN E1.01 

Sheet

SIDENCE

1/4" = 1'-0"

|/4" = |'-0"