

CITY OF TEMPE DEVELOPMENT REVIEW COMMISSION

Meeting Date: 01/24/2023

Agenda Item: 4

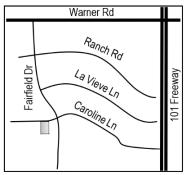
<u>ACTION</u>: Request a Use Permit Standard to Request a Use Permit Standard to allow a 20% reduction to the required rear yard setback from 35 feet to 28 feet for the **KELLER RESIDENCE**, located at 2029 East Caroline Lane. The applicant is Dahlman Construction.

FISCAL IMPACT: N/A

RECOMMENDATION: Staff – Approve, subject to conditions

BACKGROUND INFORMATION: KELLER RESIDENCE (PL220297) is a single-family home located within the AG zoning district, in the Circle G Ranches 4 Unit 2 Subdivision. The applicant intends to build a 1,571 s.f. detached pool house in the back yard of the property contingent upon the approval of the Use Permit Standard. The request includes the following:

ZUP220068 Use Permit Standard to allow a 20% reduction to the required rear yard setback from 35 feet to 28 feet



Property Owner Applicant Zoning District Site Area Building Area

Lot Coverage Building Setbacks

Vehicle Parking

Jack and Diana Keller

Bradley Dahlman, Dahlman Construction

AG (Agricultural) 30,697 S.F.

3,484 s.f. (existing livable) 1,571 s.f (proposed livable) 22.71% (25% maximum allowed)

20' west side, 45'-6" east side, 28'-2" rear (20'

sides, 35' rear min. required) 3 spaces (3 min. required)

ATTACHMENTS: Development Project File

STAFF CONTACT(S): Lily Drosos, Planner I (480) 350-8245

Department Director: Jeff Tamulevich, Community Development Director

Legal review by: N/A

Prepared by: Lily Drosos, Planner I

Reviewed by: Steve Abrahamson, Principal Planner

COMMENTS

The Keller Residence is located on Lot 43 of the Circle G Ranches 4 Unit 2 Subdivision on the south side of Warner Road, east of McClintock Drive and west of the Loop 101 Freeway. The applicant intends to build a 1,571 square-foot, detached pool house in the rear yard that would encroach into the 35-foot rear setback by 7 feet. The applicant is requesting a Use Permit Standard to allow a 20% reduction of the required rear yard setback from 35 feet to 28 feet.

PUBLIC INPUT

Staff has not received any public input at the time of writing this report.

USE PERMIT STANDARD

The proposed use requires a Use Permit Standard to allow a 20% reduction to the required rear yard setback from 35 feet to 28 feet within the AG zoning district.

Section 6-308(E) Approval criteria for Use Permit (*in italics*):

- 1. Any significant increase in vehicular or pedestrian traffic; the proposed use and design of the accessory building is not expected to cause a significant increase in vehicular or pedestrian traffic.
- 2. Nuisance arising from the emission of odor, dust, gas, noise, vibration, smoke, heat or glare at a level exceeding that of ambient conditions; the proposed accessory building is intended for the use of the single-family residence and is not expected to create any nuisances exceeding that of ambient conditions.
- 3. Contribution to the deterioration of the neighborhood or to the downgrading of property values, which is in conflict with the goals, objectives or policies for rehabilitation, redevelopment or conservation as set forth in the city's adopted plans or General Plan; the proposed use and design is permitted within the AG zoning district, contingent on the approval of the Use Permit Standard. The pool house use is expected to increase the value of the property and benefit the surrounding neighborhood.
- 4. Compatibility with existing surrounding structures and uses; the proposed accessory building is compatible with the existing surrounding structures and uses within the AG zoning district.
- 5. Adequate control of disruptive behavior both inside and outside the premises which may create a nuisance to the surrounding area or general public; the proposed pool house is intended to be used solely by the primary residence and is not expected to create disruptive behavior.

REASONS FOR APPROVAL

Based on the information provided by the applicant, the public input received and the above analysis staff supports approval of the requested Use Permit Standard. This request meets the required criteria and will conform to the conditions.

SHOULD AN AFFIRMATIVE ACTION BE TAKEN ON THIS REQUEST, THE FOLLOWING NUMBERED CONDITIONS OF APPROVAL SHALL APPLY, BUT MAY BE AMENDED BY THE DECISION-MAKING BODY.

CONDITION(S) OF APPROVAL: (Non-standard conditions are identified in bold)

EACH NUMBERED ITEM IS A CONDITION OF APPROVAL. THE DECISION-MAKING BODY MAY MODIFY, DELETE OR ADD TO THESE CONDITIONS.

- 1. The Use Permit Standard is valid only after a Building Permit has been obtained, the required inspections have been completed and a Final Inspection has been passed. As part of the Building Permit process, on-site storm water retention may be required to be verified or accomplished on this Site.
- 2. The Use Permit Standard is valid for the plans as submitted within this application. Any additions or modifications may be submitted for review during the building plan check process.

CODE/ORDINANCE REQUIREMENTS:

THE BULLETED ITEMS REFER TO EXISTING CODE OR ORDINANCES THAT PLANNING STAFF OBSERVES ARE PERTINENT TO THIS CASE. THE BULLET ITEMS ARE INCLUDED TO ALERT THE DESIGN TEAM AND ASSIST IN OBTAINING A BUILDING PERMIT AND ARE NOT AN EXHAUSTIVE LIST.

USE PERMIT STANDARD:

- The use permit approval shall be void if the use is not commenced or if an application for a building permit has not been submitted, whichever is applicable, within twelve (12) months after the use permit is granted or within the time stipulated by the decision-making body.
- The decision-making body, upon finding that the applicant has not taken corrective actions to resolve issues related to
 the permit/approval and that a continuation of the permit/approval is not in the interest of the public health, safety and
 general welfare, can revoke the permit/approval after providing written notice of its intentions to the holder of the permit.
- Specific requirements of the Zoning and Development Code (ZDC) are not listed as a condition of approval but will
 apply to any application. To avoid unnecessary review time and reduce the potential for multiple plan check submittals,
 become familiar with the ZDC. Access the ZDC through http://www.tempe.gov/zoning or purchase from Development
 Services.
- Any intensification or expansion of use shall require a new Use Permit.

HISTORY & FACTS:

1983 A single-family home was constructed.

ZONING AND DEVELOPMENT CODE REFERENCE:

Section 3-102, Permitted Uses in Residential Districts

Section 3-401, Accessory Buildings, Uses and Structures

Section 4-201(A), Use Permit Standard

Section 4-202, Development Standards for Residential Districts



DEVELOPMENT PROJECT FILE

for KELLER RESIDENCE (PL220297)

ATTACHMENTS:

1.	Aerial	Мар

- 2. Location Map
- 3-4. Letter of Explanation
- 5-9. Context Photos
- 10-23. Site Plan, Foundation Plan, Roof Framing Plan, Bracing Plan, Floor Plan, Elevations, Electric/Mechanical Plans, Schematics



KELLER RESIDENCE

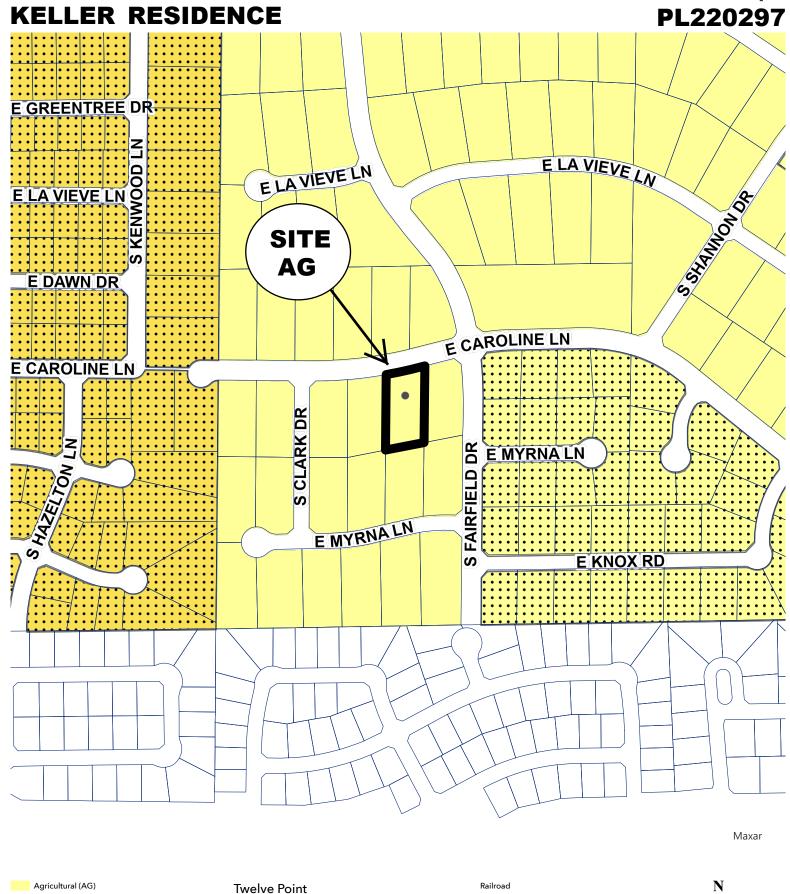
PL220297



Aerial Map







Agricultura (AG)
Single-Family Residential (R1-15)
Single-Family Residential (R1-7)
Parcels Parcels

Twelve Point
CenterlineSubType
ADOT

— Canal

Monument Private Street
<all other values>

Zoning District

Light Industrial District (LID)

General Industrial District (GID)

Heavy Industrial District (HID)



Dahlman Construction LLC. 41004 N Jackrabbit Rd. San Tan Valley, AZ 85140 480-882-1284 ROC 153397 Licensed, Bonded, Insured

City of Tempe Planning/Zoning 12/07/22

Letter of Explanation

Dear Planning Staff,

We redesigned the floor plan to fit the proposed pool house within the side setback standards but are currently 7 feet over the rear setback standards. We understand we are in the rear setback, but after viewing the neighbor's property on the rear side, they have a building within 5 feet of their wall, which is in their rear setback.

A 7-foot encroachment into the rear setback, still leaving approximately 18 feet to the rear wall is a fair design for the proposed pool house. Therefore, we are applying for a Use Permit to allow such encroachment.

Per the Use Permit Standard Approval Criteria

- a. There is no vehicular or pedestrian traffic in adjacent areas. The Proposed pool house will sit in the backyard of the existing property, which is already sectioned off to outside vehicular and pedestrian traffic via block walls on all sides of the property.
- b. There will be no nuisance arising from the emission of odor, dust, gas, noise, vibration, smoke, hear, or glare at a level exceeding that of ambient conditions once construction is completed. During construction, noise will only occur after the 7:00 AM and before the 7:00 PM allotted construction time. After construction is completed, the only noise occuring will be the air conditioning, which is barely noticeable and is common in residential areas. The only gas will be sewer gas which is properly vented by city code, found in the submitted building plans.
- c. There will be no contribution to the deterioration of the neighborhood or to the downgrading of property values, which conflict with the goals, objectives or policies of the city's adopted plans for general plan. With the appropriate footings set in the submitted building plans, the structure will rest on properly formed concrete footings reinforced by rebar which ensures no movement in the future. With such footings in place, the structure will not deteriorate the surrounding land in any fashion. The pool

- house will increase the property value, which only positively impacts the property values of surrounding neighbors.
- d. The pool house will be separate from any entity on the land, it will have its own sewer system, and new power/water lines dedicated to the pool house. Therefore it will be compatible with the existing surrounding structures and uses.
- e. There will be no disruptive behavior both inside and outside the premises that creates a nuisance to the surrounding area or general public. The pool house will be used for residential needs for the current owners. No activity outside of normal residential activity will occur inside or outside this structure. Therefore there will be no disruptive behavior as a result of this structure.

Thank you,
Bradley Dahlman
Dahlman Construction
Brdahlman@aol.com
480-882-1284











N.T.S.

1.0562 asco@qm

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THE SUBCONTRACTOR SHALL BASE HIS PROPOSAL ON THE EXACT BRANDS, SYSTEMS, METHODS, AN MATERIALS SHOWN. IF THE SUBCONTRACTOR DESIRES TO MAKE SUBSTITUTIONS, HE SHALL UST THEM WIS BIO AND IN HIS CONTRACT. THE USING SHALL BE IN SUFFICIENT DETAIL TO AFFOR THE OWNER MEANS OF COMPARISON AND MUST INCLIDE THE MONETARY DIFFERENCE IN CONTRACT PRICE IF THE SUBSTITUTION SHET RIGHING THE CONTRACT SHALL BE BY CHARGE ORDER.

FRRORS AND OMISSIONS

EXPROVES AND UNISSUINS

IF ANY PERFORS OR OMISSIONS APPEAR IN THE DRAWNOS, SPEC'S, OR OTHER DOCUMENTS, THE
SUBCONTRACTOR SHALL NOTIFY OWNER IN WRITING OF SUCH OMISSIONS OR ERRORS PRIOR TO PROCEEDING
WITH ANY WORK WHICH APPEARS IN DESTROY. IN THE PERFORMENT OF THE PROPERTY OF THE SUBCONTRACTORS FAILURE TO GIVE
SUCH NOTICE, HE SHALL BE HELD RESPONSIBLE FOR THE RESULTS OF ANY SUCH ERRORS OR OMISSIONS
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OPENABLE WITH DIMINSION SHALL EC 20 NINCHS. WHEN WINDOWS ARE PROVIDED AS A WEARS OF ESCAPE

OR RESCUE THEY SHALL HAVE A CLEAR WINDOW OPENING HEIGHT OF NOT MORE THAN 44 INCHES ABOVE

THE FINISHED FLOOR.

THE FINISHED FLOOK.

**LIGHT AND VENTILATION REQUIREMENTS FOR ALL WINDOWS ARE TO COMPLY W/ THE BUILDING CODE.

GLASS IN HAZARDOUS AREAS AS DEFINED BY THE BUILDING CODE SHALL BE SAFETY GLAZING.

ATTIC VENTILATION, ACCESS, AND VENTS

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PPENING. ATTIC ACCESS OPENINGS WHEN LOCATED IN A GARAGE, SHALL COMPLY WITH THE BUILDING CODE
OR THE MODIFIED ONE HOTO ROCUPIANCY ESPARATION AND THE JURISDICTION REQUIREMENTS.
SEE ATTIC VENTILATION CALCULATIONS FOR BREAKGOMN OF VENTILATION CALCULATIONS.

ROOF SHEATHING UNDER OVER-FRAMING SHALL BE REMOVED TO ALLOW VENTILATION THRU ATTIC AREAS

AS REQUIRED BASED ON ATTC. VENTILATION CALCULATIONS.

"MERE FOAM IS USED IN ATTC. AREAS, A. THERMAL BARRER, PER THE BUILDING CODE, W./ AN INDEX OF
15 SHALL BE PLACED AND SECURED BETWEEN THE FOAM AND ATTIC AREA. OPENINGS FOR VENTILATION
SHALL BE COVERED WITH CORROSON-RESISTANT METAL MEEN WITH MESH OPENINGS FOR YOUTHLATION
UNDERSISTANT OF THE PROPERTY OF THE FOAM AND ATTIC AREA. OPENINGS FOR YOUTHLATION
UNDESSION.

LOCATION FOR REQUIRED FIREBLOCKING & DRAFTSTOPS:

**PRE BLOCKS AND DRAFT STOPS WIST COMELY WITH THE BUILDING CODE TO INCLUDE BUT NOT LIMITED TO:

**CONCEALED SPACES OF STUD WALLS AT CEILING AND FLOOR LEVELS, FURRED SPACES AND SOFFITS, 10°

INTERVALS BOTH WET. AND HORIZ, ALL INTERCONNECTIONS BETWEEN CONCEALED VET. AND HORIZ.

SPACES SUCH AS OCCUP AT OTROC. ALL INTERCONNETTIONS OF THE OTROCHED VENT. AND HONZ.

SPACES SUCH AS OCCUP AT OTROC. ALL SOSPITS, AND COVE CLSS.

BETWEEN STAIR STRINGERS AT TOP AND BOTTOM OF RUN AND BETWEEN STUDS ALONG AND IN LINE WITH
THE STRINGERS.

INE SINKNERS.

"OPENINGS AROUND PIPES, DUCTS, VENTS AND CHIMNEYS W/ NON-COMBUSTIBLE MATERIALS SUCH AS UNFACED FIBERGLASS INSULATION.

"AT OPENINGS BETWEEN ATTIC SPACES AND CHIMNEY CHASES FOR FACTORY BUILT CHIMNEYS.

LOCATION ON LOT, GRADING AND DRAINAGE

FAVES SHALL RE A MINIMUM OF 30" FROM PROPERTY LINE WHEN OVER RECLIRED WINDOWS FINISH GRADE SHALL SLOPE 5% FOR A DISTANCE OF 10'-0" TO APPROVED WATER DISPOSAL AREA U.N.O.

OCCUPANCY SEPARATIONS (BETWEEN GARAGE AND DMELLING)
*PROVIDE 5/8" TYPE "X" O'PP. 8D. ON WALLS AND CEILING OF ENGLOSED SPACE UNDER ANY STARS.
**WHERE THE 2018 CODES ARE USED, 1/2" O'PP. 8D. MAY BE USED IN GARAGES (CHECK JURISDICTION AMENIUMENTS FOR ANY FENSIONS OR AMENIUMENTS).
**CARAGE WALLS TO HAVE A MIN. O'S/8" TYPE "X" O'PP. 8D. AND CEILING SHALL HAVE 2 LAYERS WHEN TRUSSES ENCEED 2"-0" O.C.
**HIERE THE 2016 COOKS ARE USED, 1/2" O'PP. 8D. MAY BE USED IN GARAGES (CHECK JURISDICTION AMENIUMENTS FOR ANY RESINGENCE OF MENIUMENTS).
**SELF CLOSING, TOO'R THITTING, 1-3/9" SOLD—MODO DOORS MINIMUM.

WATER RESISTANT APPLICATIONS

"WALLS COMMON TO WASHER AND LANATORY SINKS SHALL BE FINISHED WITH WATER RESISTANT GYP, BD.

AND SHOWER AND THES WITH CERAMIC TILE OR EQUAL TO A MIN. 70" ABOVE DRAIN.

"EXTERIOR RATED CYP, BD. IS REQUIRED ON ALL WEATHER EXPOSED SURFACES. (PATIOS, PORCHES, CREGORDS FEE, BUTSTALLED, NEW COMMON COMMON PROPERTY OF THE PROPERTY FEE. BUTSTALLED, NEW COMMON COMMON PROPERTY OF THE PROPERTY FEE. BUTSTALLED, NEW COMMON PROPERTY FEE. BUTSTALLED, NEW FEE. BUTSTALLED, NEW FEE. BUTSTALLED, NEW FEE. BUTSTALLED, NEW FEE

FIREPLACES

FIREPLACES (SHANEY SHALL TERMINATE A MIN. OF 2"—0" ABOVE THE ROOF WITHIN 10"—0" MEASURED HORIZ. FIREPLACE HEARTH, LINTEL, HEARTH EXTENSIONS, AND FIRESTOPPING SHALL COMPLY WITH THE BULDING COOCE. PROVIDE A GOVERN TO THE MEMBEROOR AND AN LOCK REPORT TO THE MEMBEROOR WITH HOT LESS THAN 1 SO, IN. OF COMBUSTION AND FEED ON IF FIREBOX OFFINITY. THE FIREBOX WITH HOT LESS THAN 1 SO, IN. OF COMBUSTION AND FEED OF SOME FIREBOX OFFINITY OF THE FIREBOX CONTROL OPEN TO THE FIREBOX OFFINITY OF THE FIREBOX OFFINITY OFFINITY OF THE FIREBOX OFFINITY OFFINITY OF THE FIREBOX OFFINITY OF THE FIREBOX OFFINITY OF THE FI

- TESTED/LISTED TO MEET FEDERAL REGULATION PART 60.
 APPROVED BY MARICOPA COUNTY AIR POLLUTION CONTROL OFFICER TO MEET FEDERAL REGULATION
- 60. E. PERMANENTLY INSTALLED WOOD STOVE INSERT MEETING FEDERAL REGULATION PART 60.

MATERIALS

"CONCRETE, REPROFICION STEEL, CMU, BRICK, MORTAR, GROUT, LUMBER, (SPECIES & GRADE FOR JOISTS, AND "CONCRETE, REPROFISS, STUDS, & BEMAS), GUL—MANS, TREATED LUMBER, PLYWOOD, WOOD SINGLES, SHAKES, AND SINGLES AND STAND STAND AND STAND AND

- PLUMBING

 **NOSE BIRS SHALL HAVE NITGRATED BACK FLOW PREVENTER TO COMPLY W/ THE PLUMBING CODE

 **AIR CAP FITTING FOR DISH WASHER SHALL BE INSTALLED AT OR ABOVE FLOOD LYELL OF SMA.

 **SEAL VICIOS AROUND PEREMETATIONS HEROUGH FLOOR SLASE TO COMPLY W/ THE PLUMBING CODE

 **SEAL VICIOS AROUND PEREMETATIONS HEROUGH FLOOR SLASE TO COMPLY W/ THE PLUMBING CODE

 **STENDARD TO THE EXT. OF THE BLDG. AND TERMINATION IN A DOWNWARD POSITION NOT MORE THAN 2"-O"

 NOR LESS THAN 6" ABOVE GRADE. THE PRESSURE RELIEF LINE SHALL NOT TERMINATE OVER MALKWAYS OR

 OTHER SHILLAR AREAS AND SHALL BE A MIN. 3" FROM ANY ENTRANCE OR EXIT.

 **ALL DRAIN, WASTE AND VENTING SI TO BE A MIN. THE "W, & MIN. THE "L' BELOW SLAB

 **A INSTALLED W/O. JOINTS. MATTER PIRMO ABOVE SLAB TO BE A MIN. THE "L' BELOW SLAB

 **A INSTALLED W/O. JOINTS. WITH LOW FLOW TRYINGE OFBONANCE AND INCLUDE THE FOLLOWING:

 A MATTER CLOSETS, 16 GALLONG PER FLUSH

 **A. WASTER CLOSETS, 16 GALLONG SHE FLUSH

 **C. KITCHEN SINC TO HAND DIRECT LINE TO WHATER HEATER

 **SHOWER & SHOWER TUEL COMBINATION SHALL BE PROVIDED WITH INDIVIDUAL CONTROL PRESSURE BALANCE

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- NUREMENTATIONS.
 MAXIMUM GAUGE RATING SHALL NOT EXCEED TWICE THE APPLIED TEST PRESSURE.

MECHANICAL

GENERAL SPECIFICATIONS

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 NOLER WHEN ATTIC MOUNTED SHALL INCLUDE:
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 LIGHT SWITCHABLE @ UNIT & 110V OUTLET

- B. LIGHT SMITCHABLE & UNIT & 110V UNITET
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OUTLET BOXES IN GARAGE CLG. TO BE RATED FOR A ONE HOUR ASSEMBLY PENETRATION.

**OUTET BOXES IN GARAGE CLG. TO BE RATED FOR A ONE HOUR ASSEMBLY PENETRATION.

**ALL CONVENIENCE OUTLETS IN RICHENT TO BE CAFE. MITCHEN, FAMILY, ROOM, DANIE GROM, LINING ROOM,

**PARLOR, LIBRARY, DON, SUN ROOM, BEDROOM, REC'EATION ROOM, OR SUMLAR ROOM OR AREA OF DWELLING

UNINTS. RECEPTACE OUTLETS SHALL BE INSTALLED SO THAT NO PORT ALONG THE FLOOR LINE IN NOY

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- IN EACH ATTACHED WARRING AND IN EACH DETACHED WARRING WITH ELECTRIC POWER

 **HALLMAN'S OF 10"-0" OR MORE IN LENGTH SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET.

 **ALL 125-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE RECEPTACLES INSTALLED IN THE LOCA

 SPECIFIED BELOW SHALL HAVE GROUND-FAULT-CIRCUIT INTERRUPTER PROTECTION FOR PERSON

 1. BATHROOMS
 - GARAGES, GRADE-LEVEL AND PORTIONS OF UNFINISHED ACCESSORY BUILDINGS USED FOR STORAGE
- OUTDOORS.

 COARL SPACES WHERE THE CRAWL SPACE IS AT OR BELOW GRADE LEVEL.

 UNRINGHED BASSDADITS OWNERSHID BASSBATTS ARE DEFINED AS PORTIONS OF AREAS OF THE

 UNRINGHED BASSDADITS OWNERSHIP BASSBATTS ARE DEFINED AS PORTIONS OF AREAS, WORK AREAS,

 AND THE LIKE.

 KITCHEN'S WHERE THE RECEPTACLES ARE INSTILLED TO SERVE THE COUNTERTOP SURFACES,

 WET BASK SINGS WHERE THE RECEPTACLES ARE INSTILLED TO SERVE THE COUNTERTOP SURFACES.

 WET BASK SINGS WHERE THE RECEPTACLES ARE INSTILLED TO SERVE THE COUNTERTOP.

SUMPACES
AND ARE LOCATED WITHIN 6'-0" OF THE OUTSIDE EDGE OFATHE WET BAR SINK.

OUTLET BOXES IN THE WALL BETWEEN THE DWELLING AND THE GRAFE, SHALL BE OF METAL OR U.L.
APPROVED FIRE-RESISTIVE PLASTIC. SEPARATION OF OUTLET BOXES ON OPPOSITE SIDES OF WALLS SHALL

COLICE BOXES IN THE WALL BETWEEN THE DWELLING AND THE GRANE, SHALL BE OF METAL OR ULL.

BY ALL BE ALL BE ALL BE ALL BE INSTALLED IN EACH SLEPPIN GROW AND AT A POINT CREATER.

IN DWELLING UNITS, A SURGE DETECTOR SHALL BE INSTALLED IN EACH SLEPPIN GROW AND AT A POINT CREATER.

CHYPRILLING UNITS, A SURGE DETECTOR SHALL BE INSTALLED IN EACH SUPPLY AND AND AT A POINT CREATER OF THE CORNEL OF THE

2. SUPFACE—MOUNTED PLUDESCENT FOURIES INSTALLED ON THE WALL ABOVE. THE DUDG OF UNIT THE CELLINA, PROVIDED THERE IS A MINIMUM CLEARANCE OF 12' SETWERN THE FOURIER OF THE MEAREST POINT OF A SCENSED INFORMSEENT FOURIES WITH A COMPLETELY ENCLOSED LAMP INSTALLED IN THE WALL OF THE CELLINA, PROVIDED THERE IS A MINIMUM CLEARANCE OF 6' BETWEEN THE FIXTURE AND THE MEAREST POINT OF A STORAGE SPACE.

4. RECESSED FLUORESCENT FUTURES INSTALLED IN THE WALL OF ON THE CELLINA, PROVIDED THAT

THE RECESSOR PLUDRESCONT FIXTURES INSTALLED IN THE WALL OR ON THE CELLING, PROVIDED THAT THE IMMANUM, CLARANCE, OR "OF ELEVENT THE PROVIDE AND THE ALERSEST FOUND FOR A STRONGE SPACE."

"RANGES, CLOTHES DRYTES AND SMALRA PAPLANCES SHALL BE OF THE 3-POLE WITH GROUNDING TYPE FLOWER CORD SHALL BE SUPPLIED. THE BROONED JUMPER TO THE CORD SHALL BE SUPPLIED. THE BROONED JUMPER TO THE CLARANCES TO THE CHARGEST OF THE SHALL BE INSTALLED PER THER USTRUG AND SHALL HAVE CLARANCES TO COMMENSIBLES FOR ELECTRICAL CORD OF APPROVED TOR DIRECT CONTACT FOR THE RIGHTS TO

ALL BEDROOMS SHALL BE ARC-FAULT CIRCUIT PROTECTED PER 2017 NEC SECTION 210.12 (B)

AREA CALCULATIONS

PROJECT DATA

2018 2018 2018 2017

EED THE REQUIREMENTS OF THE FOLLOWING CODES AND AMENDMENTS.

2 AS1 ARCHITECTURAL SITE PLAN

IRC IPC IMC IFC NEC IECC IFGC 3 S1 GENERAL STRUCTURAL NOTES

2018 2018 4 S2 FOUNDATION PLAN
5 S3 ROOF FRAMING PLAN
6 S4 ROOF FRAMING PLAN

10 A2 ELEVATIONS

12 M1 MECHANICAI PLAN

VICINITY MAP

E. WARNER RD.

ZONING: ΔG 30 697 S F SITE AREA:

SQUARE FOOTAGE

DETACHED POOL HOUSE - HABITABLE 1 571 S F DETACHED POOL HOUSE - PATIO

EXISTING LINDER ROOF 5 147 S F 6.974 S.F.

CONTACT

LOT COVERAGE: TOTAL LOT AREA 6 974 S F / 30 697 S F

EMAIL: roy.carrasco@gmail.com CONTACT: ROY CARRASCO

TOTAL

LOT COVERAGE PROPOSED LOT COVERAGE ALLOWED

DESIGNER ROY CARRASCO PHONE: 480 861 0562

E. CAROLINE LN. N SITE W. RAY RD NTS

SHEET INDEX

SECURITY CODE REQUIREMENTS

EXTERIOR.

ALL DWELLING UNITS SHALL CONFORM TO THE FOLLOWING MINIMUM SECURITY

ALL MAIN OR FRONT ENTRY DOORS SHALL BE ARRANGED SO THAT THE OCCUPANT HAS A VEW OF THE AREA IMMEDIATELY OUTSIDE THE DOOR WITHOUT OPENING THE DOOR. SUCH VIEW MAY BE PROVIDED BY A DOOR VIEWER HAWNG A FIELD OF VIEW OF NOT LESS THAN ONE—HUNDRED EIGHTY (180°) DEGREES OR THROUGH A MINDOW.

ALL EXTERIOR SWINGING DOORS SHALL BE OF SOLID CORE OR METAL SKIN CONSTRUCTION, INCLUDING THE NON-GLAZED PORTION OF EXTERIOR GLASS INSERT DOORS.

3. OPEN SPACE BETWEEN TRIMMERS AND WOOD EXTERIOR DOOR JAMBS SHALL

BE SOUID SHIMMED EXTENDING NOT LESS THAN SIX (6") INCHES ABOVE AND BELOW THE DEADBOLT STRIKE PLATE. DEAD-BOLT STRIKE PLATES FOR EXTERIOR DOOR LOCKS SHALL BE ATTACHED TO WOOD JAMBS WITH NOT LESS THAN TWO (2) NO. 8 BY TWO (2") NO.4 SCREWS OR, WHEN ATTACHED TO METAL JAMBS, SHALL BE ATTACHED WITH NOT LESS THAN TWO (2) NO. 8 MACHINE SCREWS.

4. EXTERIOR DOORS WITH HINGE PINS EXPOSED ON THE OUTSIDE SHALL USE NON-REMOVABLE PIN HINGES OR STANDARD PIN HINGES WITH THE PINS MODIFIED TO PREVENT THE REMOVAL OF THE DOOR FROM THE EXTERIOR.

ALL EXTERIOR SLIDING DOORS SHALL BE CONSTRUCTED & INSTALLED OR EQUIPPELY SO AS TO PROHIBIT THE RISING, SLIDING.OR REMOVAL OF THE SLIDING SECTION FROM THE TRACK WHILE IN THE CLOSED AND LOCKED POSITION. THE

STATIONARY SECTION SHALL NOT BE REMOVABLE FROM THE OUTSIDE. SUCH SLIDING DOORS SHALL BE PROVIDED WITH AN AUXILIARY OR ADDITIONAL LOCKING DEVICE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

ALL EXTERIOR SWINGING DOORS AND DOORS FROM A DWELLING TO AN ATTACHED GARAGE SHALL BE EQUIPPED WITH A DEADBOLT LOCK. SUCH DEADBOLT LOCKS SHALL:

BOLT LOCKS SHALL: 1. HAVE A MINIMUM ONE-INCH BOLT THROW AND RECEIVING STRIKE PLATE. ONE-QUARTER INCH DEEPER THAN THE PROJECTED BOLT THROW, AND 2. HAVE A WRENCH-RESISTANT COLLAR, AND 3. HAVE FASTENERS WHICH THREAD INTO THE CYLINDER BODY. DEADBOLT LOCKS INSTALLED ON THE FRONT OR MAIN ENTRY DOOR SHALL BE KEY OPERATED FROM TEH EXTERIOR AND OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY.

CLOSED
AND LOCKED POSITION. A PASSIVE WINDOW PANEL SHALL HAVE WEATHER STRIP MOLDING OF THE WINDOW PANEL SHALL HAVE WEATHER OR GLAZING BEAD WHICH IS NOT EASILY REMOVED FROM THE OUTSIDE TO PREVENT AL OF THE WINDOW GLASS.

7. ALL CREASE DOORS NOT EQUIPPED WITH A POWER OPERATED MECHANISM SHALL BE COUNTY DINN AT LEAST TWO (2) LODGING DENCES OF THE FOLLOWING TYPES.

A. HROW BOLT OF RUSH BOLT:

B. PRICOGO, THE CHAPP.

C. PRICOGO, THE CHAPP.

C. ELECTRICAL—POWER—OPERATED MECHANISM WITH AUTOMATIC LOCKING.

DEVICE.

e. ALL GARAGE DOORS SHALL BE CAPABLE OF BEING UNLOCKED AND OPERABLE FROM

f. ACCESS DOORS TO ATTIC SPACE SHALL BE LOCATED IN THE INTERIOR OF THE

THE

DWELLING UNIT OR WITHIN A SECURED ENCLOSED FROM OR GARAGE,
PROVIDED THAT

IF NO INTERIOR LOCATION IS AVAILABLE, A METAL ACCESS DOOR SECURED WITH WITH A STEEL HASP AND A HEAVY-DUTY LOCK MAY BE LOCATED ON THE

* THE REQUIREMENTS OF THIS SECTION ARE NOT INTENDED TO PREVENT THE USE OF ANY DEVICE, HARDWARE OR METHOD OF CONSTRUCTION NOT SPECIFICALLY PRESCRIBED WHEN SUCH ALTERNATE DEVICE, HARDWARE, OR METHOD OF CONSTRUCTION PROVIDED SCUIVALENT SECURITY, SUBJECT TO THE APPROVAL OF THE BUILDING SAFTY DIRECTOR.

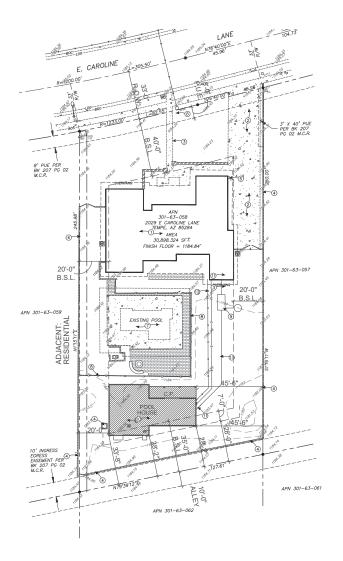
* THE REQUIREMENTS OF THIS SECTION ARE NOT INTENDED TO PREVENT EGRESS, AND DEVICES SHALL NOT BE INSTALLED IN A MANNER TO PREVENT PROPER EGRESS THROUGH DOORS OR BEDROOM WINDOWS AS REQUIRED.



100%

COVER SHEET

RL



Two working days before you dig. CALL FOR THE BLUE STAKES 602-263-1100 1-800-STAKE-IT (OUTSIDE MARICOPA COUNTY)

SITE PLAN GENERAL NOTES

- . GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON DRAWINGS FOR CONFLICTS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
- 2. NO STRUCTURE OF ANY KIND TO BE CONSTRUCTED ON, OR PLACED WITHIN PUBLIC NO STRUCT DIRECTOR TAINED TO BOOD, WIRE OR REMOVABLE SECTION TYPE FENCING AND/OR PAVINE NO REPAIR TO REPAIR OF THE FENCING AND/OR PAVINE NO REPAIR TO REPAIR OF STRUCTURE OR PAVINE NO REPAIR OF STRUCTURE OR PLANTING THAT MUST BE REMOVED DURING THE COURSE OF MAINTENANCE, CONSTRUCTION OR RECONSTRUCTION OF THE POWER OF THE OWNER OF THE COURSE OF THE OWNER OWNER OF THE OWNER OWNER
- 3. ALL SIDEWALKS ARE TO BE LIGHT BROOM FINISHED UNLESS NOTED OTHERWISE
- 4 COORDINATE DOMESTIC WATER
- GENERAL CONTRACTOR SHALL VERIFY ALL ON SITE CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS PRIOR TO CONSTRUCTION.
- GENERAL CONTRACTOR TO SCHEDULE BLUE STAKE INSPECTION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE BEGINNING ANY WORK.
- 7. ALL SITE IMPROVEMENTS INCLUDING LANDSCAPE AND SITE CLEANUP, MUST BE COMPLETED PRIOR TO CERTIFICATE OF OCCUPANCY FOR ANY BUILDING WITHIN A PHASE

SITE PLAN KEYED NOTES

- 1. EXISTING RESIDENCE
- EXISTING CONCRETE DRIVE WAY
 EXISTING SIDEWALK
 EXISTING BLOCK FENCE
- 5 EXISTING ELECTRICAL SERVICE
- 6. EXISTING ELECTRICAL SE 6. EXISTING WATER METER 7. EXISTING POOL 8. EXISTING POOL FENCE

- 9. NEW SEPTIC TANK 10.POOL HOUSE 11.CLEAN OUTS

- 12.3/4" WATER SUPPLY
- 13.3" SEWER LINE

PROJECT INFORMATION

2029 EAST CAROLINE LANE PROJECT: TEMPE, ARIZONA 85284 JOHN & DIANA KELLER OWNER:

- DETACHED POOL HOUSE SCOPE

A.P.N.: 301-63-058

LEGAL DESC. CIRCLE G RANCHES 4 43

AG ZONING:

SITE AREA: 30 898 S F

SQUARE FOOTAGE

EXISTING HABITABLE

DETACHED POOL HOUSE - HABITABLE DETACHED POOL HOUSE - PATIO 1,571 S.F. 256 S.F.

EXISTING UNDER ROOF 5,147 S.F. TOTAL HABITABLE 5,055 S.F.

3.484 S.F

TOTAL UNDERROOF 6 974 S F

LOT COVERAGE: TOTAL LOT AREA 6,974 S.F. / 30,898 S.F.

LOT COVERAGE PROPOSED LOT COVERAGE ALLOWED

22.57% 25%

BUILDING SETBACKS

FRONT:	40 FEET
REAR:	35 FEET
LEFT:	20 FEET
RIGHT	20 FEET

studio design Ines 480.861.0562roy.carrasco@gmail. lant radi

100% RL

AS₁

1.0562 asco@qmo

0

BUILDING CODE-

2018 International Residential Code w/ City Amendments

ROOF LIVE LOAD = 24 PSF (REDUCIBLE).
SUPERIMPOSED DEAD LOAD ON ROOF TRUSSES AND ROOF PLYWOOD WEB JOISTS = 24.0 PSF. (EXCLUDES TRUSS
OF PLYWOOD WEB JOIST WEIGHT) TRUSS/JOISTS SHALL BE DESIGNED FOR A SUPERIMPOSED FUTURE MECHANICAL
LOAD OF 200 LB AT ARY LOCATION.
SUPERIMPOSED DAD LOAD ON FLOOR TRUSSES AND FLOOR PLYWOOD WEB JOISTS = 22.0 PSF. (EXCLUDES
TRUSS OR PLYWOOD WEB JOIST WIGHT) TRUSS/JOISTS SHALL BE DESIGNED FOR A SUPERIMPOSED FUTURE
MECHANICAL LOAD OF 200 LB AT ANY LOCATION.
WHO LOAD = 90 MPH (3 SE. GUIST) WIND SPEED, EXPOSURE C.
SEISMIC GROUP = 1

FOUNDATIONS:

SOIL REPORT NOT PROVIDED. SPREAD FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED SOIL 1'-6" MINIMUM BELOW FINISHED GRADE. FINISHED GRADE IS DEFINED AS TOP OF SLAB FOR INTERIOR FOOTINGS AND LOWEST ADJACENT GRADE WITHIN 5 FEET FOR PERMIETER FOOTINGS. DESIGN SOIL BEARING VALUE = 1500 PSF.

MINIMUM 28 DAY STRENGTH 3,000 PSI (2500 PSI UTILIZED FOR DESIGN).

NO ADMIXTURES WITHOUT APPROVAL. ADMIXTURES CONTAINING CHLORIDES SHALL NOT BE USED. CONCRET SHALL NOT BE IN CONTACT WITH ALUMINUM.

CONCRETE SHALL BE PLACED WITHIN 90 MINUTES OF BATCHING AND SHALL NOT EXCEED A TEMPERATURE OF 90 DEGESS FAHRENHEIT UNLESS PREAPPROVED BY THE ENGINEER. DO NOT ADD WATER TO CONCRETE AT THE SITE.

CURE UNCOVERED SLABS ON GRADE WITH POLYETHYLENE FOR FIVE DAYS. TAPE JOINTS WITH SIX INCH LAPS AND COVER WITH SAMO. CURMO COUPDOUND FOR OTHER WORK SHALL BE COMPATIBLE WITH APPLED FINISH, COMFORM TO ASTN C-309 AND SHALL BE CLEAR ON UNCOVERED STRUCTURE AND WHITE FORWATHER ON COVERED STRUCTURE. APPLY AT A RATE SUFFICIENT TO RETAIN MOISTURE, BUT NOT LESS THAN 1 GALLON PER 200 SQUARE FEET.

CAST SLABS ON GRADE IN ALTERNATE SECTIONS UNLESS PERMANENT FORMS ARE USED. WAIT 48 HOURS BETWEEN ALL ADJACENT CONCRETE CASTINGS. DO NOT PLACE CONCRETE IN LENGTHS EXCEEDING 100 FEET

THE CONTRACTOR SHALL FIX ALL CRACKS AND DISPLACEMENTS LARGER THA X." UP TO THE PROJECT COMPLETION

ALL SPLICE LOCATIONS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER, USE 48 BAR DAMETERS FOR LAP SPLICES, U.H.O., PROVING BENT CONNER BANS TO MAION AND LAP WITH HORIZONTAL BANS AT ALL CORNERS AND BARSATION PRE COSTS SECURIOLISMS. AND HAMBOOK, DWORL VERTICLE, REINFORCING TO COUNDATION WITH STANDARD 80-DEGREE HOOKS UNLESS NOTED OTHERWISE. SECURITY TIE ALL BANS IN LOCATION BEFORE PLACING CONCRETE. ONLY WIELD SECURITY HOTED ON DEARWINGS MAY CONCRETE COLUMN DOWNL ELEGEDWENT BE A STANDARD COMPRESSION DOWNL WITH EMBEDMENT LENGTH ACCORDING TO THE ALTS'S TEDRON OF THE ACT SIX.

LAP SPLICES, UNLESS NOTED OTHERWISE, SHALL BE CLASS "B" TENSION LAP SPLICES PER LATEST EDITION OF ACI 318. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH.

LAPS IN WELDED WIRE FABRIC SHALL BE MADE SO THAT THE OVERLAP, MEASURED BETWEEN OUTERNOST CROSS WIRES OF EACH FABRIC SHEET, IS NOT LESS THAN THE SPACING OF CROSS WIRES PLUS 2 INCHES. ALL REINFORCING SHALL BE CHAIRED TO ENSURE PROPER CLEARANCES. SUPPORT OF FOUNDATION REINFORCING MUST PROVIDE ISOLATION FROM MUSTURE/CORROSION.

MASONRY:

HOLLOW CONCRETE MASONRY UNITS SHALL CONFORM TO ASTM CBO, GRADE N, TYPE 1, F'm = 1,500 ps; RUNNING BOND, MORTAR TYPE S, 1,800 ps; ROUT 2,000 ps; MECHANICALLY VIBRATE GROUT IMMEDIATE, AFTER POURME, PROVIDE CLEAVIOURS F GROUT INT EXCENS 5°-0" IN BLOCK WALLS. MASONING GROUT LITT SHALL BE 6°-0". FILL CELLS SOLICY WITH GROUT IN LIFTS AND OTHERWISE ON THE PLANS, PALEC CONTROL JOINTS MASONING WALLS SUCH THAT NO STRANGHT RINS OF WALL EXCEEDS 20°-0". CONTROL JOINTS SHALL NOT OCCUR AT WALL CORNERS, INTERSECTIONS, EIDES, WITHIN 26" OF CONCENTRACTED POINTS OFFERANCE ON FAMILY SECTION OF A STRUCTURAL DRAWNINGS. ALL MASONING BELOW FINISHED FLOOR OR GRADE SHALL BE GROUTED SOLID. DO NOT CONSTRUCT MASONING WHICH ME TEMPERATURE IS ESSES TRANS 400 CERCEST APMERIBANT.

VERTICAL REINFORCING-

SOLID GROUT SHALL BE PROVIDED BETWEEN WEBS AND MASONRY FACE SHELLS FOR FULL LENGTH OF ALL STEEL LINTELS. MORTAR MAY BE USED FOR GROUT FOR THIS PURPOSE ONLY. FACE UNITS, SOAPS, ROMANS, ETC., SHALL BE LAD WITH FULL HEAD AND BED JOINTS.

TYPICAL 8" WALL VERTICAL RENFORCING (U.N.O.): 1-#5. SOLID GROUTED, AT ALL CORNERS, INTERSECTIONS, WALL RIDS, AND EACH SIDE OF JOINTS — AT THE CENTER OF CELLS FULL MERCHT OF WALLS, U.N.O., FOR ADDITIONAL INFORMATION AT OPENINGS IN MASONAY WALLS, SEE TYPICAL DEVIATION.

2 #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT ELEVATED FRAMING ASSEMBLES.
2 #5 IN MINIMUM 8" DEEP GROUTED CONTINUOUS BOND BEAM AT TOP OF PARAPETS AND
FERE-STANDING WALLS. PLACE THESE BASS CONTINUOUS THROUGH CONTROL JOINTS PER TYPICAL
DETAIL TO MAINTAIN BOND BEAM BERIFFORCHE AT CORRES AND INTERSECTIONS. STANDING
MICHORY (NO. 9 CAGE WIRE) DUR-O-WALL OR DUR-O-WIRE (OR EQUIVALENT) LADDER TYPE JOINT
REPROFECTIONS.

LAP SPLICES IN MASONRY:

LAP SPLICES SHALL BE 40 BAR DIAMETERS FOR GRADE 40 BARS AND 48 BAR DIAMETERS FOR GRADE 80 BARS. STAGGER SPLICES A MINIMUM OF 40 BAR DIAMETERS. DO NOT SPLICE WITHIN 87-00 FOR OTHEROLOGISM. LAP HORIZONTAL JOINT REINFORCING 8° MINIMUM.

ASTM ASIS (TY = 60 KS) DEFORMED BMS FOR ALL BMS 55 AND LANGER (AND FOR ALL SUBSEX). ASTM AND KANES (F) = 40 KS) DEFORMED BMS FOR ALL BMS SEA, AND SMALLER. WELDED WIRE FABRIC PER ASTM ASES, WIRE FER ASTM ASEZ. LATEST ACI CODE AND DETAILING MANUAL APPLY.

CLARE CONCRETE COMPERGES AS FOLLOWS:

ALL DIMENSIONS REFERENCED IN DRAWINGS AS "CLEAR" SHALL BE FROM FACE OF STRUCTURE TO EDGE OF REINFORCING, AND SHALL NOT BE LESS THAN STATED, NOR GREATER THAN "CLEAR" DIMENSION PLUS 3/8". ALL OTHERS SHALL BE PLUS OR MINUS 1/4" TYPICAL UNILESS NOTEDN OTHERWISE.

DRYPACK:

ERPHACK SHALL BE 5.0010-PSI NOTI-SHENK GROUT, FIVE STAR OR COUPLEINTS. INSTALL DEPPACK UNDER BERNING PARTS BETORE FRANKOW MISBERS IN SHINLED. AT COLUMNE, SHYALL 1, 8 HIS COLUMNED CONTROL OF CHOUT AT CENTER OF WALL, CONTINUOUS FULL HEIGHT OF WALL AT ALL CORRERS, INTERSECTIONS, WALL ENDS, BEAM BERAINES, JAMBS, EACH SIDE OF CONTROL JOHN'S AND AT INTERVALS NOT TO EXCEED 46" O.C. UNLESS NOTED OTHERWISE, THE AT 8"-O" VERTICALLY, WITH SINGLE WIRE LOOP TE BY A.A. WHE PRODUCTS COMPANY. DOWEL VERTICAL REINFORMOR TO FOUNDATION WITH DOWLS TO MATCH VERTICAL REINFORMOR.

STRUCTURAL STEEL:

ALL CONSTRUCTION PER LATEST AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC.) HANDBOOK, ALL WIDE FLANGE STEEL SHALL BE ASTM A572 (Fy = 50 KS) UNILESS NOTED OTHERWISE. ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KS) OR ASTM A572 (Fy = 50 KS) UNILESS NOTED OTHERWISE. ALL PIPE STEEL SHALL BE ASTM A501 (Fy = 36 KS) OR ASTM A575 (FS EVER) ASTM A575 (F

THE SEN HOTTO D'THERMES, ALL WILLDS HER LITEST EDITION OF THE ALBERCAN WELDING DOCIETY (MW) STANDARDS. AN UEDONG SHALL BE PERFORMED BY WILLDESS HOLDING VALID CERTIFICATES AND NAMED CURRENT EXPERIENCE IN THE TYPE OF WILLD SHOWN ON THE DRAWNING OR NOTES, CERTIFICATES SHALL BE THOSE ISSUED OF AN ACCEPTED TESTING ACROICY. ALL WILDING DONE OF ETO SERBES, DIVENTIONAL TO THE MEDICAL PROPERTY OF THE SENSE OF THE SENS OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENS OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENS OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENS OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENSE OF THE SENS

HIGH STRENGTH HEADED STUDS SHALL BE AUTOMATIC WELDED CONFORMING TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE "RECOMMENDED PRACTICES FOR STUD WELDING". COMPORNANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, ALL QUALITY CONTROL TESTING PROVISIONS OF THE AFOREMENTONED PUBLICATIONS

ALL FULL (COMPLETE) PENETRATION WELDS SHALL BE TESTED AND CERTIFIED BY AN INDEPENDENT TESTING

WOOD:

FRAMING LUMBER SHALL COMPLY WITH THE LATEST' EDITION OF THE GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION (WWRA) OR THE WEST COAST LUMBER INSPECTION BUREAU (WCLIB). ALL SAWN LUMBER SHALL BE STAMED WITH THE GRADE MARK OF AN APROVED LUMBER GRADING AGENCY AND SHALL HAVE MINIMUM PROPERTIES WHICH MEET OR EXCEED THE FOLLOWING WOOD TYPES:

JOISTS, 2 X 6 OR LARGER -----D.F. #2 LEDGERS AND TOP PLATES -----D.F. #2 POSTS 4 X 4 OR LARGER ------D.F. #1

GLUED-LAWINATED BRAMS (GLULAM):

GUID-LAMINATED BEAMS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,900 PSI, Fv = 265 PSI, Fc (FERFENDICULAR) = 625 FSI, Fc (FARALLE) = 1300 PSI, E = 1,800,000 PSI BEAMS CAMTILEVERING OVER SUPPORTS SHALL HAVE THE SPECIFIED MINIMUM PROPERTIES TOP AND SOTTOM. ALL BEAMS SHALL BE FABRICATED USING WATERPROOF CILLE. FABRICATION AND HANDLING PER LATEST ATC AND WCLA STANDARDS. BEAMS TO BEAM GRADE STANDARD AND CESTIMICATE. CAMBER AS SHOWN ON DRAWINGS.

LAMINATED VENEER LUMBER (LVL) BRAMS-

LAMMATED VENERE LUMBER BEANS SMALL HAVE THE FOLLOWING MINIMUM PROPERTIES: Fb = 2,400 PSI, Fv = 285 PSI, Fc (PERPENDICULAR) = 650 PSI, E = 1,800,000 PSI. BEANS CANTILLYERING OVER SUPPORTS SMALL HAVE THE SECRIFICE MINIMUM PROPERTIES TO AND BOTTOM. ALL BEANS SMALL BE FABRICATED USING WATERPROOF GLUE. FABRICATION AND ERECTION PER I.C.C. REPORT # ESR-1387. CAMBER AS SMOON ON DEARWAYS.

DIVENON WER PRANING MEMBERS (TH TYPE)-

FRAMING MEMBERS SHALL BE DESIGNED, FABRICATED AND ERECTED IN ACCORDANCE WITH WITH THE LATEST EDITION I.C.C. REPORT # VAR-1008. CONNECTIONS AND BEARING MATERIAL TO BE SHOP CONNECTED. AND DESIGNED AND FURNISHED BY FABRICATION

CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS. DEFLECTION SHALL BE LIMITED AS FOIL DWS:

FLOOR LIVE LOAD MAXIMUM = 1/480, FLAT ROOF (SLOPES LESS THAM K^* PER FOOT) TOTAL LOAD MAXIMUM = 1/240, SLOPED ROOF ($1/4^*$ on GREATER PER FOOT) TOTAL LOAD MAXIMUM = 1/240, LIVE LOAD MAXIMUM = 1/480, ROOFS WITH PLASTER CELING TOTAL LOAD MAXIMUM = 1/240, LIVE LOAD MAXIMUM = 1/380, DESIGN FOR PONDHAGE OR ROOF SLOPE SES THAM K^* PER FOOT.

EXCEPT WHERE SUCH SUBSTITUTION CONFLICTS WITH THE DESIGN INTENT OF THE DOCUMENTS, AND SUBJECT THE APPROVAL OF THE AGENTICATION WHEN SUBSTANTIATED BY CALCULATIONS FARRICATION MAT ALTER SERES T AND DEPTH, BUT NOT SPACING, IN LEUFO THAT WHEN IN SHOWN ON HASE DOCUMENTS, SUSTITUTIONS SUSTITUTIONS SUSTITUTIONS SUSTITUTIONS BE ADEQUILIELY FALGED PER THE SHOP DRAWNING SECTION OF THIS SPECIFICATION. IN ADDITION, IT IS THE RESPONSIBILITY OF SAID FARRICATOR TO COORDINATE WITH THOSE TRANSPARTECTED BY THE SUBSTITUTION.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS WITH DESIGN CALCULATIONS SEALED BY A REGISTERED ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.

ADDITIONAL EDAMING MEMBERS SHALL BE SUPPLIED AS DECLIDED TO SUPPLIED MECHANICAL FOLLOWERS

PREFABRICATED WOOD TRUSS FRAMING MEMBERS:

FRAMING MEMBERS SHALL DESIGNED TO SUPPORT SELF WEIGHT PLUS LIVE LOAD AND SUPERIMPOSED DEAD LOADS STATED IN THE GENERAL STRUCTURAL NOTES OR AS LOCATED ON PLANS. BRIDGING SIZE AND SPACING BY DESIGN CALCULATIONS SEALDS IN A REGISTRED LOADINGER FOR REYEW AND APPROVAL PROBE TO FARRACTION. CALCULATIONS AND SHOP DRAWNINGS SHALL SHOW ANY SPECIAL DETAILS REQUIRED AT BEARING POINTS. ALL OCINECTIONS SHALL HAVE CURRENT L.CC. APPROVAL.

CALCULATIONS SHALL INCLUDE DEFLECTION AND CAMBER REQUIREMENTS. DEFLECTION SHALL BE LIMITED AS

CLOFLAT ROOF (SLOPES LESS THAM IS "PER FOOT) TOTAL LOAD MAXIMUM = 1/240. SLOPED ROOF (1/4" OR ROEATEP PER FOOT) TOTAL LOAD MAXIMUM = 1/250. DESIGN FOR POPHONG FOR ROOF SLOPES LESS THAM IS "PER FOOT. FRAHING MEMBERS SHALL BE CAMBERED FOR 1.5 TIMES THE DEAD LOAD DEFLICTION.PE

ADDITIONAL FRAMING MEMBERS SHALL BE SUPPLIED AS REQUIRED TO SUPPORT MECHANICAL EQUIPMENT. MULTIFLE FRAMING MEMBERS SHALL BE FASTIRED TOGETHER TO ALLOW TRANSFER OF SHEAR AND TENSION FORCES (MAINMAN) 200 P.J. AT PLYMOUS DEALTHING JOINTS AND TO PREVENT GOOSS GRAIN BEDINNO OF TOP CHORDS. ATTACHMENT SHALL BE A CONTINUOUS 20 GAGE METAL PLATE OR CHIEF APPROVED MEANS. METHOD OF ATTACHMENT SHALL BE INDICATED ON SHOP DRAWINGS FOR REVIEW.

FABRICATOR SHALL HAVE I.C.C. APPROVAL OR BE APPROVED TO THE BUILDING JURISDICTION.

ALL PLYWOOD SHALL BE AMERICAN PLYWOOD ASSOCIATION "CDX" RATED SHEATHING OR BETTER AND SHALL BEAR THE STAMP OF AM APPROVED TESTING AGENCY. LAY UP PLYWOOD WITH FACE GRAIN PERPENDICULAR TO SUPPORTS. (ON ROOTS WHERE PLYWOOD) IS LATED UP WITH FACE GRAIN PRAKLEL TO SUPPORTS, USE A MINIMUM OF 5-PLY PLYWOOD), STAGGER JOINTS. ALL AND ALLIANC, COMMON ANLS. WHERE SCHEWS DAKE MINICATED FOR WOOD-TO-WOOD ATTACHMENTS, US WOOD SCREWS. ALL PLYWOOD SHALL BE OF THE FOLLOWING NOMINAL THICKNESS, SPAN/INDEX RATIO AND SHALL BE ATTACHED AS FOLLOWS UNLESS NOTED OTHERWISE:

SPAN/INDEX EDGE INTERMEDIATE
THICKNESS RATIO ATTACHMENT ATTACHMENT USE ROOF ------3/2"----32/16 ----8d AT 6" O.C. -----8d AT 12" O.C. SHEAR WALL --5/6" ----24/0 ----8d AT 6" O.C. -----8d AT 12" O.C. FLOOR------3/4" 126--40/20----SCREWS AT 6" O.C. -----8CREWS AT 10" O.C.

SCREWS AT FLOOR SHEATHING SHALL BE #8 X 2 1/2" LONG FOR SHEATHING LESS THAN 1" THICK. ALL FLOOR SHEATHING SHALL BE GLUED TO SUPPORTING MEMBERS WITH AN APA AFG-01 QUALIFIED GLUE.

ORIENTED STRAND BOARD (OSB) MAY BE UTILIZED AS AN ALTERNATE TO PLYWOOD, HOWEVER, THE OSB SHALL PROVIDE A CURRENT I.C.C. RATING WITH ALLOWABLE LOAD VALUES EQUAL TO OR GREATER THAN THE PLYMOOD REPLACED, SHALL BE OF AN EQUIVALENT THICKNESS OR GREATER, AND SHALL BE ACCEPTABLE AS A SUBSTRATE TO THE ROOTING OF ILCONS EXPLACED.

WOOD FRAUMO MEMBER SHALL HOT BE MOTORED OR DRILLED WITHOUT PRIDE APPROVAL OF THE STRUCTURAL RANNER THROUGH THE ARCHITECT. ALL ALLAHAMS WITH NOTED SHALL BE FOR TYPICAL DETAIL. ALL BOLTING SHALL BE FOR STEEL SECTION. WOOD CONNECTORS SHALL BE AS ANMIFACTURED STITL SHAPEON STRONG—THE COMPANY, INC. OR OTHER MANUFACTURES WITH CURRENT DRAWINGS. THE CONNECTOR AND ATTACHMENT SHALL BE PER THE MAXIMUM MODEL NUMBER BASED ON THE SIZE OF THE MEMBERS CONNECTOR.

IN STUD WALLS, UNLESS NOTED OTHERWISE, INSTALL DOUBLE STUDS AT ALL JAMBS, CORNERS, INTERSECTION, AT ISOLATED BEARING POINTS OF FRAMING MEMBERS ABOVE, AND AT ALL HOLDOWNS. EVERY OTHER STUD OF WOOD FRAME BEARING WALL SHALL HAVE A SINGEON HS ANCHOR TOP AND BOTTOM, EXCEPT AT THOSE WALLS WHERE PLYWOOD SHEATHING IS MALED DIRECTLY TO THE TOP AND BOTTOM PLATES. PROVIDE ZS COLD BECKNING AT UND-HEIGHT OF BEARING STUD WALLS.

PROVIDE 2" SOUD BLOCKING AT SUPPORTS OF ALL JOISTS.

SHOP DRAWINGS.

SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL STRUCTURAL ITEMS IN ADDITION TO ITEMS REQUIRED BY ARCHITECTURAL SPECIFICATIONS.

THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH CONTRACT DOCUMENTS SHALL BE FLAGGED UPON CONTRACTOR'S REVIEW.

VERIFY ALL DIMENSIONS WITH ARCHITECT.

MANUFACTURER OR FABRICATOR SHALL CLOUD ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM CONTRACT DOCUMENTS. ANY OF THE AFOREMENTIONED WHICH ARE NOT CLOUDED OR FLAGGED BY SUBMITTING PARTIES, SHALL NOT BE CONSIDERED APPROVED AFTER ENGINEER'S REVIEW, UNLESS NOTED ACCORDINGLY.

THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO CONTRACT DOCUMENTS AT ANY TIME BEFORE OR AFTER SHOP DRAWING REVIEW.

THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGED BY THE STRUCTURAL ENGINEER OR ARCHITECT SHALL NOT BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY OF ENSURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS. THE ADEQUACY OF ENGINEERING DESIGNS AND LIVOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNMEN OR SUBMITMEN AUTHORITY.

REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR IN OBTAINING CORRECT SHOP DRAWINGS RESPONSIBILITY FOR CORRECTNESS SHALL REST WITH THE CONTRACTOR.

DEFERRED SUBMITTALS:

THE PREFABRICATED WOOD TRUSS DRAWINGS REQUIRED BY THE GENERAL STRUCTURAL NOTES SHALL BE SEALED BY A REGISTRED PROFESSIONAL ENGINEER AND SUBMITTED DURING CONSTRUCTION TO THE CITY FIELD INSPECTOR FOR REVIEW.

GENERAL NOTES:

THE STRUCTURAL CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT HIDDCATE THE METHOD OF CONSTRUCTION. THE CONTRACTION SHALL PROVIDE ALL MEASURES METHOD TO CONSTRUCTION. THE CONTRACTION SHALL PROVIDE ALL MEASURES OF RECORD SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S MEASURE, METHOD SHALL PROGRAMS RICIDENT THERETO (MOR SHALL OBSERVATION VISITS TO THE SITE TRUCTURE INSPECTION OF THESE TIESDS.)

WHERE REFERENCE IS MADE TO VARIOUS TEST STANDARDS FOR MATERIALS, SUCH STANDARDS SHALL BE THE LATEST EDITION AND/OR ADDENDA. ANY ENGINEERING DESIGN, PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW, SHALL BEAR THE SEAL OF A REGISTERED ENGINEER RECOGNIZED BY THE BUILDING CODE JURBSDICTION OF THIS PROJECT.

NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE SHOWN, CONSTRUCTION SHALL COMFORM TO SHALL COMFORM TO SHALL ROWNER OF THE PROJECT, AND/OF AS PROVIDED FOR IN THE CONTRACT DOCUMENTS. WHERE DISCREPANCES OCCUR BETWEEN PLANS, DETAILS, GENERAL STRUCTURAL NOTES AND SPECIFICATIONS, THE GREATER REQUIREMENTS SHALL GOVERN.

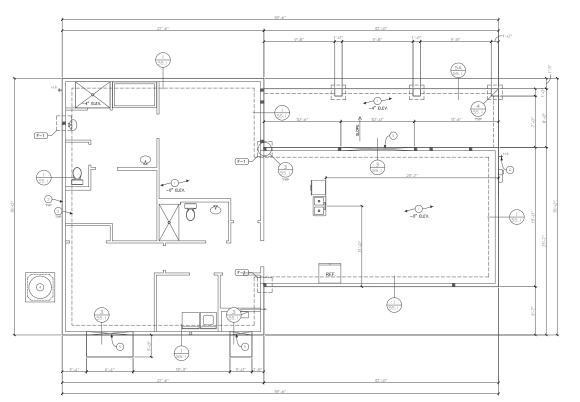
CONTRACTOR SHALL BE RESPONSIBLE FOR VEHFICATION OF ALL DIMENSIONS WITH ARCHITECTURAL DRAWNIGS PROR TO START OF CONSTRUCTION. RESOLVE ANY DESCREAMOY WITH THE ARCHITECT ESTABLISH AND VEHEFY ALL OPPRINGS AND INSERTS FOR ARCHITECTURAL, CIVIL, INCHAMINACIAL, PLLIMBRING AND ELECTRICAL TIEMS WITH THE APPROPRIATE TRADE DRAWNINGS AND SUBCONTRACTORS PROR TO CONSTRUCTION.

TYPICAL DETAILS MAY NOT NECESSARILY BE CUT ON PLANS. BUT APPLY UNLESS NOTED OTHERWISE. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED CONSTRUCTION. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT.

OPTIONS ARE FOR CONTRACTOR'S CONVENIENCE. IF AN OPTION IS CHOSEN, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES, APPROVALS AND THE COORDINATION OF THE WORK WITH ALL RELATED TRADES AND SUPPLIERS.

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GENERAL NOTES



FOUNDATION PLAN

FOR ALL GENERAL NOTES SEE SHEET GSN.

GENERAL NOTES

radiant lines design studio

480.861.0562roy.carrasco@gmail.com

KEYED	NOTE:

	KEYED NOTES
NO.	DESCRIPTION
0	4" CONCRETE SLAB OVER MIN. 4" A.B.C. FILL W/ TERMITE TREATMENT
0	LINE OF CONCRETE POOTING
3	LINE OF CONCRETE STEM
(4)	A/C COMPRESSOR W/ 4" X 4" CONCRETE PAD, PROVIDE I 2" BETWEEN PAD #
6	CTED DOWN

KEY	WDTH	LENGTH	THICKNESS	REBAR	
F-1	2'-0"	2'-0"	1'-0"	3 #4 E.W.	
					_

BOTTOM OF ALL FOOTINGS SHALL BE AT A MINIMUM OF 11-OF BELOW FINISH GRADE. DEEPER AS REQUIRED BY SHIT CONDITIONS.

CONTRACTOR SHALL BE SOLLY REPONSIBLE FOR COORDINATING FOOTING DEPTHS WITH OTHER TROUGH.

DEPTHS WITH OTHER TROUGH.

TOTING SHALL BE CONTERED ON BERSING CONFIDENCE APPLY.

John & Diana Keller

Pool House 2021_3021 14DEC2022

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ROOF PLAN GENERAL NOTES

- MANUFACTURER'S, INSTALLERS, SHEET METAL SUBCONTRACTOR AND OTHER RELATED SUBCONTRACTORS A MINIMUM OF 7 DAYS BEFORE COMMENCING ROOFING WORK. DO NOT BEGIN WORK WITHOUT HOLDING A PRE-ROOFING CONFERENCE PER THE SPECIFICATIONS
- MINIMUM SLOPE AT ALL ROOFS SHALL BE 1/2" PER FOOT AND AT CRICKET VALLEYS SHALL BE A MINIMUM OF 1/4" PER FOOT. DO NOT SCALE PLAN FOR CRICKET DIMENSIONS
- ALL CRICKET SLOPES SHALL BE ACHIEVED BY BUILDING UP TAPERED INSULATION OVER THE ROOF DECK UNLESS NOTED OTHERWISE. THERE SHALL BE NO MORE THAN 1/ 8" DIFFERENCE IN HEIGHT AT THE MEETING EDGES OF SEPARATE PIECES OF DECKING.
 ROOFING SUPPLIERS, MANUFACTURERS AND
- INSTALLERS SHALL REVIEW ALL ROOFING DETAILS AND ADVISE ARCHITECT ON ANY RECOMMENDED CHANGES. UNLESS NOTIFIED OTHERWISE, ROOFING SUPPLIERS, MANUFACTURERS AND INSTALLERS WILL BE ASSUMED SHOWN
- GALVANIZED EDGE FLASHING FULLY OR PARTIALLY EXPOSED TO PUBLIC VIEW SHALL BE WASHED WITH "GALVA-CLEANER", PRIMED WITH "GALVA-PREP" AND METAL UNDERCOAT, AND FINISHED WITH PAINT PER THE SPECIFICATIONS.
- PRIME ALL METAL TO CONTACT ROOFING MATERIALS.
- . SEE MECHANICAL FOR ROOF EQUIPMENT CURBS. ETC. ALSO SEE PLUMBING AND ELECTRICAL FOR EQUIPMENT PIPING, CONDUITS, ROOF DRAIN LEADERS, ETC. PROVIDE CRICKETS BEHIND ALL MECHANICAL EQUIP. CURBS, ROOF HATCH CURBS FTC. TYPICAL PROVIDE CURBS AND FLASHING AT ANY EQUIPMENT NOT PROVIDED WITH PREMANUFACTURED CURBS.
- S. SEE MECHANICAL FOR ROOF EQUIPMENT CURBS, ETC. ALSO SEE PLUMBING AND ELECTRICAL FOR EQUIPMENT. PIPING, CONDUITS, ROOF DRAIN LEADERS, ETC. PROVIDE CRICKETS BEHIND ALL MECHANICAL EQUIP. CURBS, ROOF HATCH CURBS ETC. TYPICAL. PROVIDE CURBS AND FLASHING AT ANY EQUIPMENT NOT PROVIDED WITH PREMANUFACTURED CURBS.
- . SEPARATE DISSIMILAR METALS AS THEY OCCUR PER MANUFACTURER'S RECOMMENDATIONS. REVIEW METHODS AND MATERIALS WITH ARCHITECT.
- PROVIDE FLASHING PER DETAILS AT ALL CONDUIT AND HVAC LINES PENETRATING THE ROOF
- CONTRACTOR AND ALL SUBTRADES SHALL BE AWARE AND EXERCISE THE NECESSARY CARE TO PREVENT DAMAGE TO OR PUNCTURE OF THE ROOF. THIS SHALL INCLUDE ALL SHARP MATERIALS, TOOLS, MATERIAL SCRAPS OR MATERIALS HAVING A DELETERIOUS AFFECT ON THE ROOFING MATERIAL.
- ALL FLASHING SHALL BE FACTORY FINISHED AND RADIUSED. NO FIELD PAINTING OR SEGMENTS SHALL BE ALLOWED.
- ONCE THE ROOFING HAS BEEN COMPLETED, CONTRACTOR SHALL LIMIT TRAFFIC ON THE COMPLETED ROOF. THE ROOF ACCESS DEVICES SHALL BE SECURED AND ALL ROOF TOP ACCESS SHALL BE LIMITED. I. ALL SHEET METAL SCUPPERS, SLEEVES, ETC.,
- PENETRATING ROOFING OR PARAPETS TO WHICH ROOFING MUST ATTACH SHALL BE A MINIMUM OF 20 GAUGE, ALL SOLDERED CONSTRUCTION, WITH MINIMUM 3" WIDE FLANGES. ALL SCUPPERS SHALL BE CONSTRUCTED WITH FOUR FULL SIDES, FROM FLANGES THROUGH THE THICKNESS OF THE WALL, FORMING A COMPLETE "SLEEVE" THROUGH THE WALL PROVIDE CONCRETE SPLASH BLOCKS BELOW ALL
- SCUPPERS AND AT ALL DRAIN LEADERS THAT DAYLIGHT ABOVE GRADE.

CDX (OR 2-M-W OSB), UNBLOCKED, 84 @ 6" O.C. EN, BN 84 @ 12"

- NAIL ROOF SHEATHING DIAPHRAMS WITH 84 COMMON AT 6" O.C. ALL E AND 12" O.C. AT INTERMEDIATE SUPPORTS.

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480.861.0562 roy.carrasco@gmail.

- 3-2XG'S POST AT ALL BEAMS # GIRDERS UNLESS NOTED OTHERWISE

	ROOF PLAN KEYED NOTES
NO.	DESCRIPTION
0	SCUPPER - METAL - PAINTED FINISH
(2)	CRICKET

BEA	M SCHEDULE	(UNLESS OTHERWISE NOTED)
MARK	SIZE	
B1	3-1/8" X 12" G.L.B.	REMAIN

MARK	HEADER SIZE	NO. OF JAMB STUDS BEARING
(H)	(2) 2x6	1
(H2)	(2) 2x8	2
(H3)	(2) 2x10	2

ROOF AREA REQUIRED

11/1000	
ROOF VENTILATION CA	LC.'S FLAT
ROOF AREA REQUIRED O'HAGIN VENTS 3 I - CV S-400 SOFFIT VENT PER (OR EQUAL)	256 S.F. / I 50 = I.71 SQ. FT. FOOT = I.72 SQ. FT.
I - GRAVITY VENT I 2XI 2 (OR EQUAL)	= 0.95 SQ. FT.
TOTAL VENTING PROVIDED NOTE: ROOF VENTILATION SHALL COMPL W/ R806	2.67 5Q. FT.



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2018 IBC	SHEAR WALL SCHED	JLE	
ZUIO IBU		ALLOW.	SILL PLATE ATTACHMENT AT
MARK	MATERIAL AND ATTACHMENT	SHEAR PLF(1)	FOUNDATIONS UPPER (4)(5) FLOORS
1	1/2" UNBLOCKED DRYWALL WITH 5d COOLER NAILS AT 7" O.C. EDGES AND FIELD	100 HF/DF	1/2" A.B. AT 48" O.C. OR HILTI "DN" SHOT 12" O.C. PINS AT 16" O.C.
2	5/8" UNBLOCKED DRYWALL WITH 6d COOLER NAILS AT 7" O.C. EDGES AND FIELD	115 HF/DF	1/2" A.B. AT 48" O.C. 16d OR HILTI "DN" SHOT 12" O.C. PIN AT 16" O.C.
3	1/2" BLOCKED DRYWALL WITH 5d COOLER NAILS AT 7" O.C. EDGES AND FIELD OR; 1/2" UNBLOCKED DRYWALL W/ 5d COOLER NAILS 4" O.C. EDGES AND FIELD	125 HF/DF	1/2" A.B. AT 48" O.C. 16d OR HILTI "DN" SHOT 12" O.C. PIN AT 12" O.C.
4	5/8" BLOCKED DRYWALL WITH 6d COOLER NAILS AT 7" O.C. EDGES AND FIELD 5/8" UNBLOCKED DRYWALL WITH 6d COOLER NAILS AT 4" O.C. EDGES AND FIELD	145 HF/DF	1/2" A.B., AT, 48" O.C. 16d OR HILTI "DN" SHOT 12" O.C. PIN AT 8" O.C.
(5)	1/2" BLOCKED DRYWALL WITH 5d COOLER NAILS AT 4" O.C. EDGES AND FIELD	150 HF/DF	1/2" A.B. AT 48" O.C. OR HILTI "DN" SHOT 12" O.C.
<a>6	5/8" BLOCKED DRYWALL WITH 5d COOLER NAILS AT 4" O.C. EDGES AND FIELD	175 HF/DF	1/2" A.B. AT 48" O.C. OR HILTI "DN" SHOT 12" O.C.
7	3/8" BLOCKED "OSB" OR "CDX" SHEATHING W/ 8d NAILS @ 6" O.C. AT EDGES AND 12" O.C. AT FIELD.	229 HF 260 DF	1/2" A.B. AT 48" O.C. 8" O.C.
8	3/8" BLOCKED "OSB" OR "CDX" SHEATHING W/ 8d NAILS @ 4" O.C. AT EDGES AND 12" O.C. AT FIELD.	352(3) HF 380(3) DF	1/2" A.B. AT 32" O.C. 5" O.C.
9	3/8" BLOCKED "OSB" OR "CDX" SHEATHING W/ 8d NAILS @ 3" O.C. AT EDGES AND 12" O.C. AT FIELD.	451(3) HF 490(3) DF	1/2" A.B. AT 24" O.C. 4" O.C.
(10)	3/8" BLOCKED "OSB" OR "CDX" SHEATHING W/ 8d NAILS @ 2" O.C. AT EDGES AND 12" O.C. AT FIELD.	5982) HF 6402)	1/2" A.B. AT 16" O.C. 3" O.C.
(11)	1/2" BLOCKED "OSB" OR "CDX" SHEATHING W/ 8d NAILS @ 2" O.C. AT EDGES AND 12" O.C. AT FIELD.	713 (2) HF 770 (2) HF	1/2" A.B. AT 12" O.C. 2 ^{16d} O.C.
(12)	7/8" 3 COAT STUCCO W/ #16 GAGE STAPLES W/ 7/8" LEGS AT 6" O.C.	180 HF/DF	1/2" A.B. AT 48" 0.0. OR: SHOT PINS @ 10" 0.C. 8" 0.C.

NOTES:

(1) SHEATHING ON ONE SIDE: DOUBLE VALUE IF SHEATHING ON BOTH SIDES.
FOR SHEAR WALLS WITH SHEATHING APPLIED TO BOTH SIDES, ANCHOR BOLT SPACING SHAUL BE HALF THE SPACING SHOWN.

(2) FRAMING AT ADJOINING PANEL EDGES SHALL BE $3^{\prime\prime}$ NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED.

(3) WHERE PLYWOOD IS APPLIED ON BOTH FACES OF WALL AND NAILS SPACING IS LESS THAN 6" O.C., PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS, OR TRAMING SHALL BE 3" NOMINAL OR THICKER AND NAILS ON EACH SIDE SHALL BE STAGGERED.

(4) SHOT PIN OPTION IS NOT ALLOWABLE AT EXTERIOR WALLS. SHOT PINS SHALL BE HILTI X-DNI INSTALLED WITH WASHERS AND 1" EMBEDMENT PER ICBO 2388.

(5) CAST-IN PLACE ANCHOR BOLTS MAY BE REPLACED WITH 1/2" DIA. EXPANSION BOLTS AT SAME SPACING AT INTERIOR WALLS ONLY. EXPANSION BOLTS SHALL BE ITW RAMSET/RED HEAD TRUBOLT WEDGE ANCHOR WITH 6" EMBED- ICBO #1372.

(6) STAGGER NAILS IN SILL PLATE.

SHEAR WALL NOTES:

- 1. STUD SPACING IN SHEAR WALLS SHALL NOT EXCEED 16" O.C.
- 2. ALL PANEL EDGES SHALL BE BACKED WITH MINIMUM 2 INCH NOMINAL FRAMING AS NOTED ABOVE.
- 3. FOR 3/8" PLYWOOD INSTALLED WITH FACE GRAIN PARALLEL TO STUDS SPACED AT 124 °C.C., INTERMEDIATE NING SHALL BE 6" O.C.

 4. FRAMING SHALL BE 3 INCH NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED WHERE NAILS ARE SPACED AT 2" O.C. AND WHERE 10d NAILS ARE SPACED 3" O.C. AT STRAPS, AND BLOCKNIE.
- 5. BLOCKING SHALL BE PROVIDED NEAR MID-HEIGHT OF WALL AT SHEATHING JOINT.
- 6. SPACING APPLIES TO NAILING AT ALL STUDS, TOP AND BOTTOM PLATES, BLOCKING

- 7. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL (FINISHED SURFACE) WALL COVERINGS NOT NOTED.

 8. TYPE X GYPSUM WALLBOARD SHALL BE PROVIDED WHERE INDICATED ON ARCH'L DWGS.

 9. FOR EXTERIOR SHEAR WALLS USING GYPSUM WALL BOARD, USE EXTERIOR TYPE GYPSUM WALL BOARD PER ARCHITECTURAL DRAWINGS.

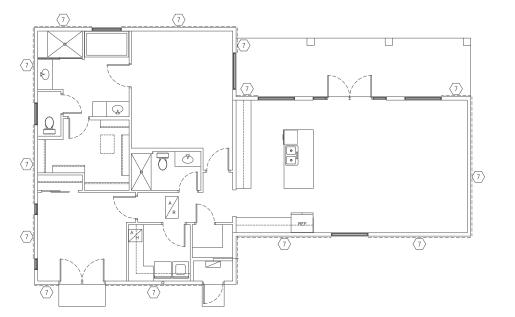
FOR ALL GENERAL NOTES SEE SHEET SI

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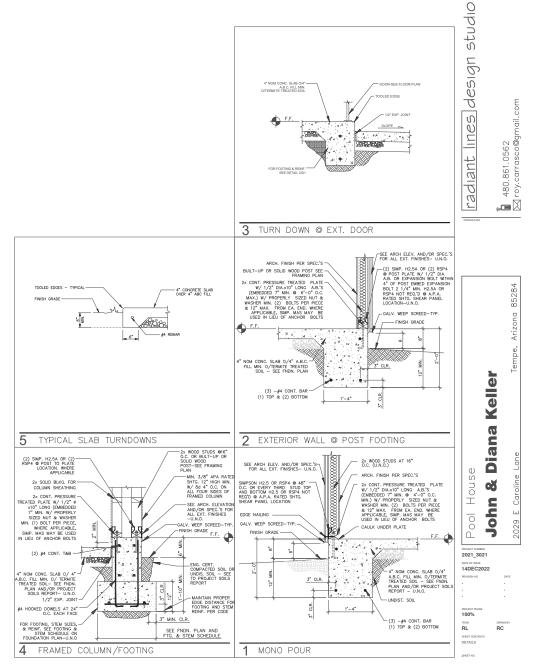


CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE JOB SITE AND NOTIFY THE DRAFTMAN OF ANY DIMENSIONAL ERRORS, OMISSIONS OR DESCREPANCIES BEFORE BEGINNING OR FABRICATING ANY WORK.

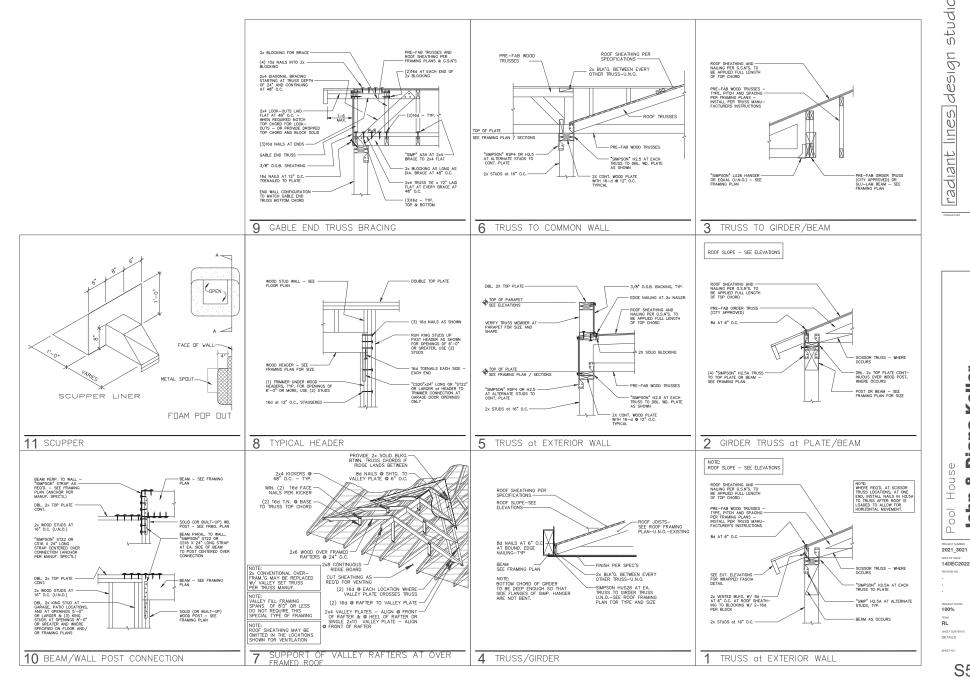


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480.861.0562roy.carrasco@gmail.



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GENERAL NOTES

- SHOWER HEADS @ 78" A.F.F.
 SHOWER CONTROL VALVES @ 42" A.F.F.
 STACK SHOWER CONTROL VALVES @
 CURVED WALLS U.N.O.

- ALL CEILING HEIGHTS INDICATED ARE FROM FINISHED FLOOR ELEVATION.
- REFER TO SITE PLAN FOR ALL FLAT WORK. CONCRETE FINISH.
- ALL COMMON THALL BY MANUFACTURE PHANU MANUFACTURE PHANU MANUFACTURE PHANUFACTURE SO THAT AR FLOW OVER SUPPLICES IS NOT PREVENTED AS THE MANUFACTURE PHANUFACTURE PHANUFACTURE

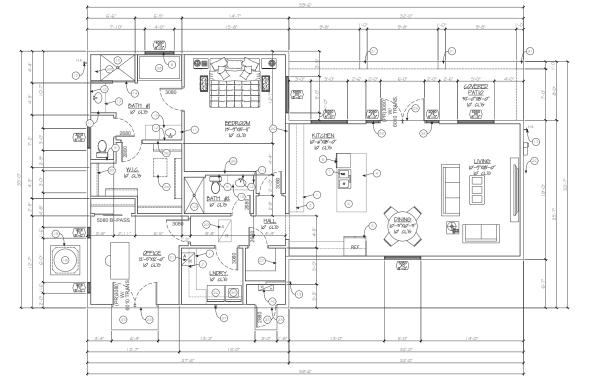
- . WATER HEATER TO INCLUDE T # P RELEF VALVE SEE SPEC'S FOR SIZE OF TP LINE AND FLUE SIZE.
- . PROVIDE MIN. 15" CLEAR EACH SIDE AND MIN. 24" CLEAR IN PRONT POR WATER CLOSET.
- . PRE PLUMB RETRIGERATOR SPACE FOR ICE MAKER. PROVIDE 39" SPACE.

- PROVIDE 18" HIGH PLATFORMS UNDER ALL APPLIANCES INSTALLED IN (OR ACCESSIBLE PROM INSIDE) GARAGES SEC. M 1307.3.
- PROVIDE GLASS IN HAZARDOUS AREAS, INCLUDING WITHIN 24" ARC OF AN ACTIVE DOOR AND ALL GLASS WITHIN 18" OF FLOOR SHALL BE SAFETY GLASS.
- MAXIMUM SILL HEIGHT AT BEDROOM SHALL BE +44°
 A F F

INT, FIBER-CEMENT AND GLASS MAT CYPSIUM BACKERS BE USED AS BACKERS FOR WALL TILE IN TUB AND SHOWES AND WALL PANCES IN SHOWER AREAS. A CCESS WITH A MINIMUM OFFINIS SIZE OF 30°X22" AND EAR FEAD ROOM SHALL BE PROVIDED. CONTAINING APPLIANCES WILL BE PROVIDED WITH A WORL



FLOOR PLAN KEYNOTES





SQUARE FEET: HABITABLE AREA PATIO

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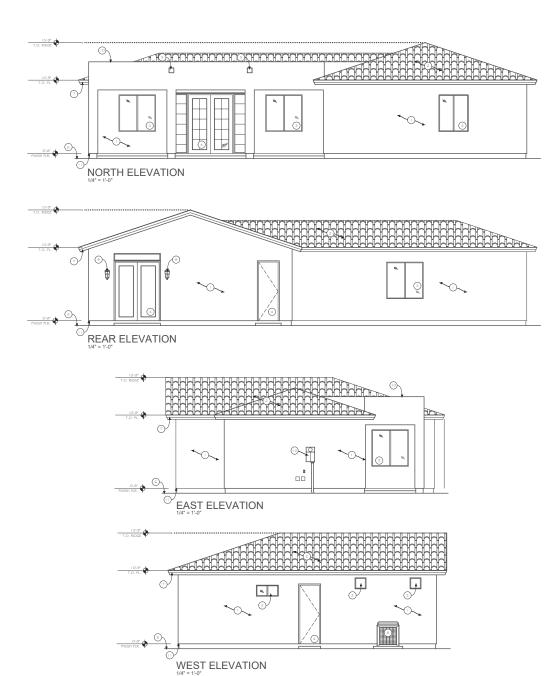
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RL SHEET CONTENTS FLOOR PLAN



ELEVATION NOTES

GENERAL NOTES

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ELEVATION KEYNOTES

NO.	DESCRIPTION
0	SAND FINISH -WESTERN I-KOTE STUCCO SYSTEM ESR-2729 O/FOAM BD. (ON AIS BD. @ ATTIC AREAS O/WEATHER RESISTIVE BARRIER
0	CONCRETE ROOF TILE ESR-1900, 0/30# FELT
(3)	INSULATED WINDOW
0	DOOR
0	SCUPPER - METAL - PAINTED FINISH
0	FINISH GRADE - SLOPE 2% AWAY FROM HOUSE
	WOOD PASCIA - MATCH EXISTING
0	A/C CONDENSER
0	EXTERIOR LIGHT - ELECTRICAL

Diana Keller

2021_3021

Pool House John

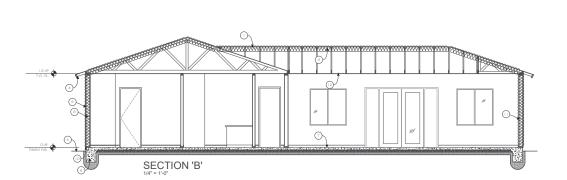
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SECTION 'A'

GENERAL NOTES

SECTION REYNOTES			
NO.	DESCRIPTION		
0	CONCRETE ROOF TILE ESR-1775, Q/30# FELT		
3	PRE-PABRICATED TRUSSES AT 24" O.C.		
3	I I " I CYNENE SPRAY FOAM INSULATION - MIN. R-38 TO UNDERSIDE OF DECK - "CLASSIC MAX" ESR-I 82G - NO IGNITION BARRIER		
(4)	WOOD FASCIA - PAINTED FINISH - INSTALL RAIN DRIP STRIP		
3	FINISH GRADE - SLOPE 5% AWAY FROM HOUSE		
0	POOTING - SEE STRUCTURAL		
0	4" CONCRETE SLAB OVER MIN. 4" A.B.C. FILL W/ TERMITE TREATMENT		
0	2xG STUDS AT 1G* O.C 5.5* ICYNENE SPRAY FOAM INSULATION @ HABITABLE WALLS - MIN. R-19 INSULATION - SEE FLOOR PLAN FOR SHEAR SCHEDULE		
0	SAND FINISH -WESTERN I-KOTE STUCCO SYSTEM ESR-I GO7 OPPOAM BD. (ON AIS BD. (@ ATTIC AREAS) OWEATHER RESISTIVE BARRIER		
0	WEEP SCREED - 2G G.A. CORROSION RESISTANT W/ A MIN. 3 - 1/2" VERTICAL PLANGE ATTACHMENT PROJECTING A IN OF 34" BELOW TREATED SOLE PLATE AND TERMINATING A MIN. OF G" A.F.G.		
0	I/2" GYPSUM - TYPICAL		
0	1/2" SAG-RESISENT GYPSUM - TYPICAL @ CEILING		



480.861.0562roy.carrasco@gmail.

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MECHANICAL NOTES:

- DUCT LAYOUT IS APPROXIMATE ONLY. MECHANICAL CONTRACTOR SHALL SUBMIT WORKING DRAININGS SHOWING DUCT AND REGISTER SIZES, UNIT SIZES AND HEAT GRAW/HEAT LOSS CALCULATIONS TO CONTRACTOR OR OWNER AND ECS COMPLIANCE FOR APPROVAL PRIOR TO INSTALLATION.
- MECHANICAL CONTRACTOR TO FURNISH AND INSTALL EXHAUST FANS AND SHALL SUPPLY DUCT AND TERMINATIONS FOR RANGE AND DRYER VENTS. SEE PLAN FOR LOCATIONS.
- EXHAUST FANS SHALL BE RATED 100 CFM MINIMUM. SIZE DUCT PER MANUFACTURER'S SPEC'S OR IRC
- DRYER DUCT SHALL BE MIN. 4" DIAMETER WITH A SMOOTH SURFACE INSIDE.
- MECHANICAL EQUIPMENT SHALL HAVE PRIMARY CONDENSATE LINES SIZED PER 2015 LINC. SEC 307.22 (MIN, 3/4" UP TO 20 TONS) AND SHALL TERMINATE AN APPROVED LOCATION SUICH STEE BUILDING SETEROR OR A LAVATORY TAIL PIECE, ANY COMBENSATE LINES THAT ARE PVC AND EXPOSED TO SUNLIGHT SHALL BE PAINTED TO PREVENT IDETERORATION.
- AN APPROVED DIELECTRIC INSULATOR SHALL BE PROVIDED ON ALL DISSIMILAR METAL WATER PIPING CONNECTIONS OF WATER HEATERS AND RELATED WATER HEATING EQUIPMENT.
- -DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILING SEPARATING THE DWELLING FROM THE GARAGE SHALL BE OF STEEL AND HAVE NO OPENINGS INTO THE GARAGE PER 7309.1.1.
- RECESSED INCANDESCENT LIGHTS SHALL MAINTAIN A 3" CLEARANCE TO INSULATION OR BE LISTED TO HAVE INSULATION IN DIRECT CONTACT WITH THE FIXTURE PER E 3904.9.
- IDENTIFY MULTIPLE HVAC UNIT DISCONNECTS WITH PERMANENT MARKINGS PER E3304.11.
 PROVIDE A READILY ACCESSIBLE DISCONNECT THAT IS LOCATED ADJACENT TO AND IN SIGHT OF MECHANICAL EQUIP. PER E 4001.5.

NOTE SOUR SEQUENCE MEATING AND COOLING. WHEN THE WINTER COOLING STATE OF THE WINTER COOLING STATE NOT BE USED TO ACHEVE COMMUNICATION TO THE WINTER COOLING STATE NOT BE USED TO ACHEVE COMMUNICATION TO THE WINTER COOLING STATE NOT BE USED TO ACHEVE COMMUNICATION TO THE WINTER COOLING STATE NOT BE USED TO ACHEVE

MECHANICAL LEGEND				
CEILING REGISTER				
WALL REGISTER	M ~			
EXHAUST REGISTER	4			
AIR HANDLER	A _H			
THERMOSTAT	I			
RETURN VENT (AT EACH BEDROOM)				

CONTRACTOR TO BE RESPONSIBLE FOR ALL DUCT / REGISTER SIZE

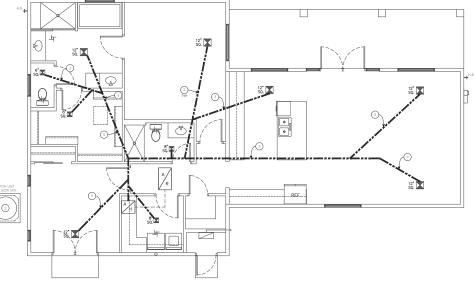
CONTRACTOR TO PROVIDE TO ECS COMPLIANCE THE VENTILATION RATE AS APPROVED BY ENERGY STAR PRIOR TO ROUGH IN INSPECTION

NOTE: COUPMENT & APPLIANCES SHALL BE PER CHAPTER 14. AIR CONDITIONING DUET SYSTEMS SHALL CONFORM TO SECTION MI GOT IN AND MI GOZ. SHAPEY AND RETURN BUTCHS IN ATTICS SHAPE OF SHAPEY AND RETURN BUTCHS IN ATTICS SHAPE OF SHAPEY AND RETURN BUTCHS AND DIMETER AND SHAPE OF SHALL BE SHALD. JOINTS AND SEARS SHALL COMPLY WITH ETHER SHE MIC OR SECTION MIG OIL 1. BEFORE STREND ANY MORE OF SECTION SHE OIL 1. BEFORE STREND ANY MORE SHALL BE VENTED BY THIRE A RESISTERED MECHANICAL INVARIENCE OR SHAPE OF CHILD AND SHAPE OF SHAPE A RESISTERED MECHANICAL INVARIENCE OR ACCALINATION AND SOURCE OF SHAPE OF SHA

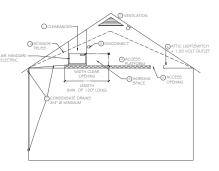
OUCT TESTING PER IRC N I 1 03.3.3 IS REQUIRED AND DUCT LEAKAGE SHALL COMPLY WITH IRC N I I 03.3.4. THIRD PARTY INDEPENDENT PERIFICATION IS REQUIRED TO BE SUBMITTED TO BUILDING PEPARTMENT.

MOLE HOUSE VENTUATION SYSTEM

NO.	DESCRIPTION
0	4" VENT THRU ROOF
0	AIR CONDENSER
(3)	DUCTWORK - R-8 MINIMUM







REQUIREMENTS FOR ATTIC AIR HANDLER OR GAS FURNACE.

- CLEARANCES FROM COMBUSTABLE MATERIALS FOR GAS FIRED FURNACES MUST BE AS SPECIFIED IN
 THE MANUFACTURER'S INSTALTAION INSTRUCTIONS AND APPLICABLE LOCAL BUILDING CODES, (A)
 MINIMUM SPACE REQUIRED: 60° MIDE x 90° HIGH x 90° LONG FOR HEAT PUMP OR 120° LONG FOR GAS FURNACE
- VENTILATION THE NET PREZ VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA EXCEPTIONS. THE SPACE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA EXCEPTIONS. THE GOVERNMENT OF THE GROUPED SHALL AREA SHARL SHALL AND VENTILATION SHALL AND LOCATED IN THE UPPER PORTION OF THE SPACE VENTILATION AT LEAST 3 FEET ABOVE DAVE OF CORNEC VENTS WITH THE ALANCE OF THE REQUIRED VENTILATION PROVIDED IS AND OF THE SPACE VENTILATION OF THE SPACE VENTILATION AND OF THE SPACE VENTILATION OF T
- 3. WORKING SPACE A WORKING PLATFORM MUST NOT BE LESS THAN 30 INCHES IN DEPTH FOR THE ENTIRE SERVICE SIDE OF THE FURNACE WITH A MINIMUM HEIGHT OF 30 INCHES HEAD CLEARANCE.
- 4. ACCESS PLATFORM THE ACCESS PLATFORM MIST BE A MINIMUM OF 24 INCHES WIDE CONTINUOUS FLOOR NOT MORE THAN 20 FEET IN LENGTH UNLESS THE EXHIBITE FLOOR HANDLER F, PRIMACCAM BE SERVICED FROM THE ATTO ACCESS OPENING. MAKE PROVISIONS FOR PROPER INSULATION TO BE INSTALLED UNDER THE PLATFORMS WHEN REQUIRED.
- 5. ACCESS OPENING ATTIC OPENINGS AND PASSAGEWAYS TO THE AIR HANDLER / FURNACE MUST BE 30" x 30".

 EXCEPTION: THE ACCESS OPENING INTO THE SPACE MAY BE 22" BY 30" PROVIDED THE LARGEST PIECE OF EQUIPMENT CAN BE REMOVED THROUGH THIS OPENING.
- A PERMANENT 120-VOLT RECEPTICAL OUTLET AND LIGHTING FIXTURE CONTROLLED BY A SWITCH LOCATED AT THE REQUIRED PASSAGE WAY OPENING SHALL BE PROVIDED AT OR NEAR THE ARI HANDLER / FURNACE.
- CONDENSATE DRAINS A SECONDARY DRAIN PAN MUST BE INSTALLED UNDER THE COIL SECTION TO
 PREVENT DAIAGE TO THE CEILING BELOW. THE SECONDARY DRAIN MUST BE
 INSTALLED WITH A MINIMUM BEAGE OF 1/8 BIOCHE PER 1/2 BIOCHES OF HORIZONTAL
 RUN AND MUST EXIT TO THE OUTSIDE WHERE IT CAN BE READLY VISIBLE.
- 8. DISCONNECT A POSITIVE MEANS OF ELECTRICAL DISCONNECT MUST BE LOCATED AT OR NEAR THE AIR HANDLER / FURNACE.
- VENTS TYPE B VENT, SIZE PER FURNACE MANUFACTURERS SPECIFICATIONS.
 VENTS WAST TEMBNATE IN ACCORDANCE TO 2015 LIAC. REQUIREMENTS PROVIDED THEY ARE
 AT LEAST 8 FEET FROM ANY VERTICAL WALL OF 45 DECREES OR MORE AND TERMINATE NOT
 LESS THAN 2 FEET HIGHER THAN THE HIGHEST POINT THEY PASS THROUGH (A)
- 10. IF FURNACE IS LOCATED BELOW SCISSOR TRUSS THE RECOMMENDED INSULATING PROCEDURE IS ALONG CEILING LINE BELOW THE FURNACE NOT ALONG OPTIONAL SCISSOR ABOVE TO PROVIDE PROPER COMBUSTION AIR WITH OUT COMPROMISING THE INTEGRITY OF THE THERMAL EVELOPE BY PENETRATING IT WITH COMBUSTION DUCTS. (A)

THE SPECIFICATIONS ABOVE MEET THE MINIMUM REQUIREMENTS ESTABLISHED IN THE 2015 I.M.C. AND I.R.C. MANUALS. (A) - APPLIES TO GAS FURNACE ONLY.



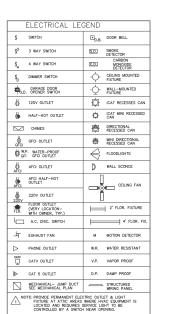
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CROUTS RUN OUT OF THE SES PANEL

ERY CIRCUIT. AND CIRCUIT MODIFICATION SHALL BE LEGIBLY IDENTIFIED.) ITS CLEAR, EVIDENT AND SPECIFIC PURPOSE OR USE. (NEC 408.4)

--XE DETECTOR AND CARBON MONOXIDE DETECTOR TO BE 3" MIN FROM SUPPL IRN AND TIPS OF FAN BLADES.

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REFER TO SHEET CI FOR ADDITIONAL ELECTRICAL NOTES

ELECTRICAL NOTES

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480.861.0562 roy.carrasco@gmail.com

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House

	ELECTRICAL PLAN KEYNOTES
NO	DESCRIPTION
NO.	DESCRI TION
0	200 AMP S.E.S SUB-PANEL
(2)	WATER HEATER - TANKLESS
3	A/C CONDENSER
(4)	OUTLET LOCATED AT CEILING
(5)	OUTLET G' BELOW FASCIA - WATER PROOF GPI W/ ENCLOSURE - VERIFY W OWNER
0	WATER HEATER DISCONNECT
0	UNDER CABINET LIGHTS
(3)	SWITCH TO GARBAGE DISPOSAL

ELECTRICAL CALCULATIONS (3,4)	ISTING) 34 S.F.)
GEN. LTG.@ 3 W PER SQ. FT. 5,621 SF	= 10,452
LAUNDRY CIRCUIT	1,500
(2)APPLIANCE CIRCUITS	3,000
RANGE AT NAME PLATE RATING	12000
DRYER (5000 WATTS OR NPR.)	5000
WATER HEATER	4500
POOL	3,600
DISHWASHER/DISPOSAL	3,000
OTHER LTG. & RECEPT.	500
TOTAL 'OTHER LOADS'	75,952
(2)A/C UNIT @ 100%	22,000
1ST. 10,000 WATTS 'DTHER LDADS' € 100%	10,000
REMAINDER 'OTHER LOADS' @ 40%	26,381
TOTAL CODE LOAD (WATTS)	58,681
TOTAL WATTS OF 58,681/240 VOLTS =	243 AMPS

LECTRICAL CALCULATIONS (1,582	W) S.F.)
EN. LTG.@ 3 W PER SQ. FT. 1,571 SF	= 4,746
AUNDRY CIRCUIT	1,500
EXAPPLIANCE CIRCUITS	9,000
RYER (5000 WATTS DR NPR.)	
ATER HEATER	18,000
ISHWASHER/DISPOSAL	3,000
THER LTG. & RECEPT.	500
DTAL 'DTHER LDADS'	35,746
/C UNIT @ 100%	11,000
ST. 10,000 WATTS 'DTHER LDADS' @ 100%	
EMAINDER 'OTHER LOADS' 0 40%	10,299
DTAL CODE LOAD (WATTS)	29,063

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ELECTRICAL / MECHANICAL PLAN

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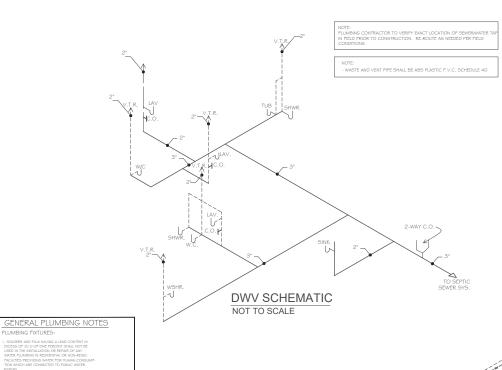
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GENERAL NOTES

DRAINAGE PIPING SERVING FIXTURES WHICH HAVE FLOOD LEVEL RIMS LOCATED BELOW THE FLEVATION OF THE INDIT UPSTREAM MANHOLE COVER OF THE FURBLE OR PRIVATE SERVER SERVING SUCH DRAINAGE PIPING SHALL BE PROTECTED FROM BACKFLOW OF SEWAGE BY INSTALLING AN APPROVED TYPE BACKWATER VALVE. PROTECTED SHOWS SHOP LEDVATION SHALL NOT DISCHARGE THROUGH THE BACKWATER VALVE.

- DRAINACE PIPING THAT ARE LOCATED BELOW THE CROWN LEVEL OF THE MAIN SEWER SHALL DISCHARGE OR INTO AN APPROVED WATERIGIST SUMP OR RECEIVING TAINS, SO LOCATED AS TO RECEIVE THE SEWAGE OR WASTES BY GRAVITY, PROM SUCH SUMP OR RECEIVING TAINS, THE SEWAGE OR OTHER LIQUID WASTES SHE BE LITTLED AND DISCHARGED INTO THE BUILDING DRAIN OR BUILDING SEWER BY APPROVED ELECTORS, PUMPS, OR OTHER CUBILLY EVENT APPROVED MORTHAGE DEVICE.
- THE MINIMUM SIZE OF ANY PUMP OR ANY DISCHARGE PIPE FROM A SUMP HAVING A WATER CLOSET CONNECTED THERETO SHALL BE NOT LESS THAN TWO (2) INCHES (5 i mm).
- 4. THE DISCHARGE LINE FROM SUCH LILECTOR, FUMP, OR OTHER MECHANICAL DEVICE SHALL BE PROVIDED WITH AN ACCESSIBLE BACKWATER OR SWING CHECK, VALVE AND GATE VALVE. IF THE GRAVITY DRAINAGE LINE TO WHICH SUCH DISCHARGE LINE CONNECTS IS HORDSOTALT, THE METHOD OF CONNECTION SHALL BE FROM THE TOP THROUGH A WYE BRANCH HITTING. THE GATE VALVE SHALL BE LOCATED ON THE DISCHARGE SIDE OF THE BACKWATER OR CHECK VALVE.
- 6. GATE VALVES, WHEN USED ON DRAINAGE WORK, SHALL BE FULL WAY TYPE WITH WORKING PARTS OF CORROSION RESISTANT METAL, SIZES FOUR (4) INCHES (102mm) OR MORE IN DIAMETER SHALL HAVE CAST IRON BODIES, AND SIZES LESS THAN FOUR (4) INCHES (20 mm), CAST IRON OR BRASS BODIES.

REFER TO SHEET CI FOR ADDITIONAL PLUMBING NOTES

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480.861.0562 roy.carrasco@gmail.

WASTE FIXTURE COUNT 1 1/4" 1.1/4"

TOTAL FIXTURE UNITS

FIXTURES	CON	MUM NEC.	NUMBER OF FIXTURES	COMBINED WATER SUPPLY FIXTURE UNITS	TOTAL FIXTURE LINITS
	COLD	HOT	1010000	2018 IRC	DALL
BATHTUB (WITH/WITHOUT OVERHEAD SHWR.	1/2"	1/2"	0	1.4	0
C. WASHER	1/2"	1/2"	- 1	1	- 1
DISHWASHER	1/2"	1/2"	0	1.4	0
FULL-BATH GROUP W/ BATHTUB (WITH OR W/O SHOWER HEAD) OR SHOWER STALL	1/2*	1/2"	2	3.6	7.2
HOSE BIBB	1/2"	1/2"	- 1	2.5	2.5
KITCHEN GROUP (DISHWASHER AND SINK WITH OR W/O GARBAGE DISPOSAL	1/2"	1/2"	I	2.5	2.5
KITCHEN SINK	1/2"	1/2"	0	1.4	0
LAUNDRY GROUP (CLOTHES WASHER STANDPIPE AND LAUNDRY TUB)	1/2"	1/2"	0	2.5	0
LAUNDRY TUB			0	1.4	0
LAVATORY			- 1	0.7	0.7
SHOWER STALL			1	1.4	1.4
WATER CLOSET (TANK TYPE)			0	2.2	0
OTHER					

SUPPLY FIXTURE COUNT

181042	CONNEC.		OF	WATER SUPPLY	
	COLD	нот	FIXTURES	PIXTURE UNITS 2018 IRC	UNITS
BATHTUB (WITH/WITHOUT OVERHEAD SHWR.	1/2"	1/2"	0	1.4	0
C. WASHER	1/2"	1/2"	1	1	1
DISHWASHER	1/2"	1/2"	0	1.4	0
"ULL-BATH GROUP W/ BATHTUB (WITH OR W/O SHOWER HEAD) OR SHOWER STALL	1/2*	1/2"	2	3.6	7.2
10SE BIBB	1/2"	1/2"	- 1	2.5	2.5
(ITCHEN GROUP DISHWASHER AND SINK WITH OR W/O GARBAGE DISPOSAL	1/2"	1/2"	1	2.5	2.5
UTCHEN SINK	1/2"	1/2"	0	1.4	0
AUNDRY GROUP (CLOTHES WASHER STANDPIPE AND AUNDRY TUB)	1/2"	1/2"	0	2.5	0
AUNDRY TUB			0	1.4	0
AVATORY			- 1	0.7	0.7
SHOWER STALL			- 1	1.4	1.4
WATER CLOSET (TANK TYPE)			0	2.2	0
OTHER					
TOTAL FIXTURE UNITS					

Plumbing Notes:

MIXING VALVE TYPE CONTROL VALVE FOR ALL SHOWER & TURSHOWER COMBINATIONS 2018 IPC SEC. 424.3

SYSTEMS.

2. PLUMBING PROTURES SHALL BE AS FOLLOWS:
SINKS - MAX. 2.2 CPM NOT WATER LEFT ITTING
WATER CLOSETS - I. C GALLONS FER FLUSH MAX.
SHOWER HEADS - 2.5 CALLONS FER MINITE MAX.
3. A.B.S. OR FLOW IN EXAMINANTE AND VENT SYSTEMS
TO BE SCHEDULE 40

4. PROJUBE 1 - I. PUBLISHING SUPPLY SERVICE PRINGS
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PLUMBING FIXTURES:

THE POTABLE WATER SUPPLY TO LAWN IRRIGATION SYSTEMS SHALL BE PROTECTED AGAINST BACKFLOW BY AN ATMOSPHERIC-TYPE VACUUM BREAKER, A PRESSURE TYPE VACUUM BREAKER OR A REQUED PRESSURE PRINCIPLE BACKFLOW PROVIDER. A VALVE SHALL NOT BE INSTALL DOWNSTRAM FROM AN ATMOSPHERIC VACUUM BREAKER, WHERE CHOMICALS ARE INFRODUCED INTO BACKFLOW BY A REDUCED PRESSURE PRINCIPLE BACKFLOW BY A REDUCED FRESSURE PRINCIPLE BACKFLOW FREVENTER, IKC SECTION PREVENTER, IKC

THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMBER. A CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMBER, ARE SHALL BY A WATER HAMBER ARRESTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURES'S STECHNICATIONS, WATER-HAMBER ARRESTERS SHALL COPPORN TO ASSET 10.10. ICM. SECTION F2200.3.

CLEANOUTS SHALL BE THE SAME NOMINAL SIZE AS THE PIPE THEY SERVE UP TO 4 INCHES, FOR PIPES LARGER THAN 4 INCHES, NOMINAL SIZE, THE MINIMUM SOF THE CLEANOUT SHALL BE 4 INCHES, IRC SECTION P3005.2.9.

A MID FREUT HE FROM THE WATER HOTE TO THE OTTSION OF THE BUILDING SHALL BE MISSIAN THAT THE THE THE OTTSION OF THE BUILDING SHALL BE MISSIAND. THE TAND FREUTH LINE TO BE FULL SIZE STEEL BUILDING SHALL BE MISSIAND. THE TAND FREUTH LINE TO BE FULL SIZE STEEL BUILDING AND TERMINATING IN A DOMINIARD HOT MORE THAN I GIVENTE ABOVE CARDON OF RECEIVED. THE TAND FREUTE LINE SHALL BOT TERMINATE OVER WALKINN'S, PATIOS, CAPPORTS OR OTHER SIMILAR AREAS, INC. SECTION FEEDOS.

ALL PLUMBING PIXTURES, SUPPLYS, WASTE AND GAS LINES, INCLUDING SIZES OF LINES, VENTS, CLEANOUTS, ETC. SHALL ALL COMPLY WITH IRC SECTION R.10G.1.1.1

A DRAINAGE PIPE FOR ALL DRAIN WASTE AND VENT PIPING SHALL BE INSTALLED AND SHALL ALL COMPLY WITH IRC SECTION P3001.1.

DRAINAGE PIPING SERVING FIXTURES WHICH HAVE FLOOD LEVEL RIMS LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE COVER OF THE PUBLIC SEVER SHALL BE PROTECTED FROM BACKFLOW OF SEWAGE BY A BACKFLOW VALVE. IRC ANTINDED SECTION P3008. 1,

IF APPLIANCES AND EQUIPMENT ARE GAS, ELECTRIC, OR PROPANE THEY SHALL ALL COMPLY WITH IRC SECTION RIOG.I.I.

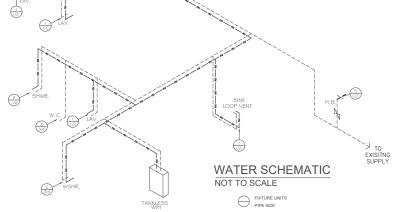
GAS FUEL PIPING MATERIAL SHALL COMPLY WITH IRC G2414

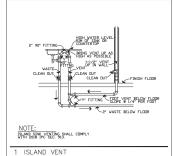


- THE FLOW VELOCITY OF THE WATER DISTRIBUTION SYSTEM SHALL BE CONTROLLED TO REDUCE THE POSSIBILITY OF WATER HAMMER. A WATER HAMMER SHALL BE INSTALLED WHERE QUID.COLOSING VALVES ARE UTILIZED WAVERER, DISHWACHER, ICEMAKER). WATER-HAMMER WARDESTORS SHALL BE INSTALLED IN ACCORDANCE WATER-HAMMER WARDESTORS SHALL BE INSTALLED IN ACCORDANCE WATER HAMMER ARRESTORS SHALL CONTONN TO ASSE 1010.

NOTE
NSULATION FOR HOT WATER PIPE WITH A MINIMUM THERMAL RESISTANCE (R-VALUE) OF R-3 SHALL BE APPLIED TO THE FOLLOWING PRESCRIPTIVE) 2012 IRC SEC. NI 103.4.2.

- . PIPING 3/4 INCH INCH NOMINAL DIAMETER 2. PIPING FROM THE WATER HEATER TO THE KTICHEN OUTLETS 3. PIPING LOCATED OUTSIDE THE CONDITIONED SPACE 4. PIPING TROM THE WATER HEATER TO A DISTRIBUTION MANIFOLD 5. PIPING RUIL HEACHTS GREATER THAN THE MAXMUM RUINS LINGTHS FOR THE NAMINAL PIP DIAMETER GIVEN IN TABLE N I 103.4.2





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