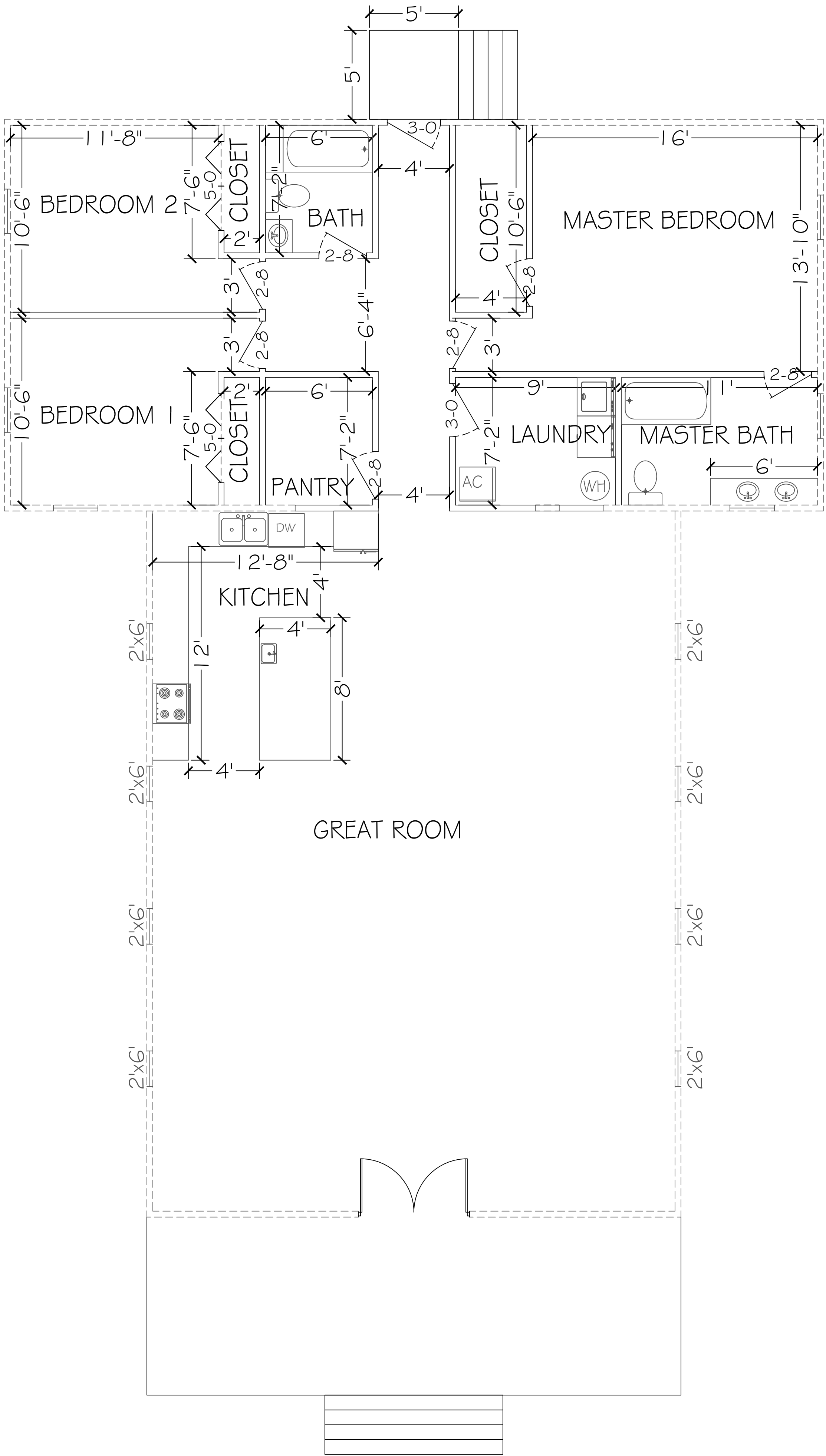


DESIGN SPECIFICATIONS

- DESIGN CODES:
2020 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
ASCE 7-10, 2005
NDS, ACI, ATIC, AWWA, APA, ICC 600-08
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS W/O STORAGE
FLOORS:
LL 40 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-G, UNPROTECTED, UNSPRINKLERED
WIND ZONE INFORMATION
BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130 MPH
NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: 0.18 CGpi ±



SIMPSON M52M24,
OR APPROVED EQUAL,
@ 72" O.C.,
FASTENERS PER
MANUFACTURERS
SPECIFICATIONS

EXISTING STRUCTURE

2x6 PT SILL PLATE

1 - 6" CONTINUOUS WITH BOND BEAM W/ MIN 25' LAP

1 - 6" rod placed 72" O.C. with footing embedded a minimum 6" into footing w/ hooks at each end

3 - 6" rods continuous w/in 25' lap

(A) STEM WALL FOUNDATION

EX. FLOOR JOISTS

TRIPLE 4X8 PT GIRDER W/ 2x2 PT LEDGER ON EACH SIDE

2x8 PT PLATE

6' x 16" CMU PIERS WITH 2x2 PT LEDGERS ON EACH SIDE

1 - #5 rod placed 72" O.C. up through footing embed a minimum 6" into footing w/ hooks at each end

24"

24"

3 - #5 rods each way

(B) SQUARE PIER (CRAWLSPACE)

4x4 p.t. post on ABA44z
base attached to slab using
5/8"x4" redhead anchor

1 - #5 rod continuous w/min 25" lap
1 - #5 rod placed 72" O.C. up through footing
into slab turned minimum 12" each way and
embedded a minimum 6" into footing
2 - #5 rods continuous w/min 25" lap

© Stem wall foundation at porch

FOUNDATION NOTES

1. CRAWLSPACE SHALL HAVE 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED SOIL
2. BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC-RES. SECTION R403.1.4

NOTE:
SOIL UNDER FOOTING SHALL BE
COMPRESSED TO 2000 PSF AT
95% DENSITY. CONCRETE
STRENGTH SHALL BE 2500 PSI



Digitally signed by Carol Chadwick
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Chadwick
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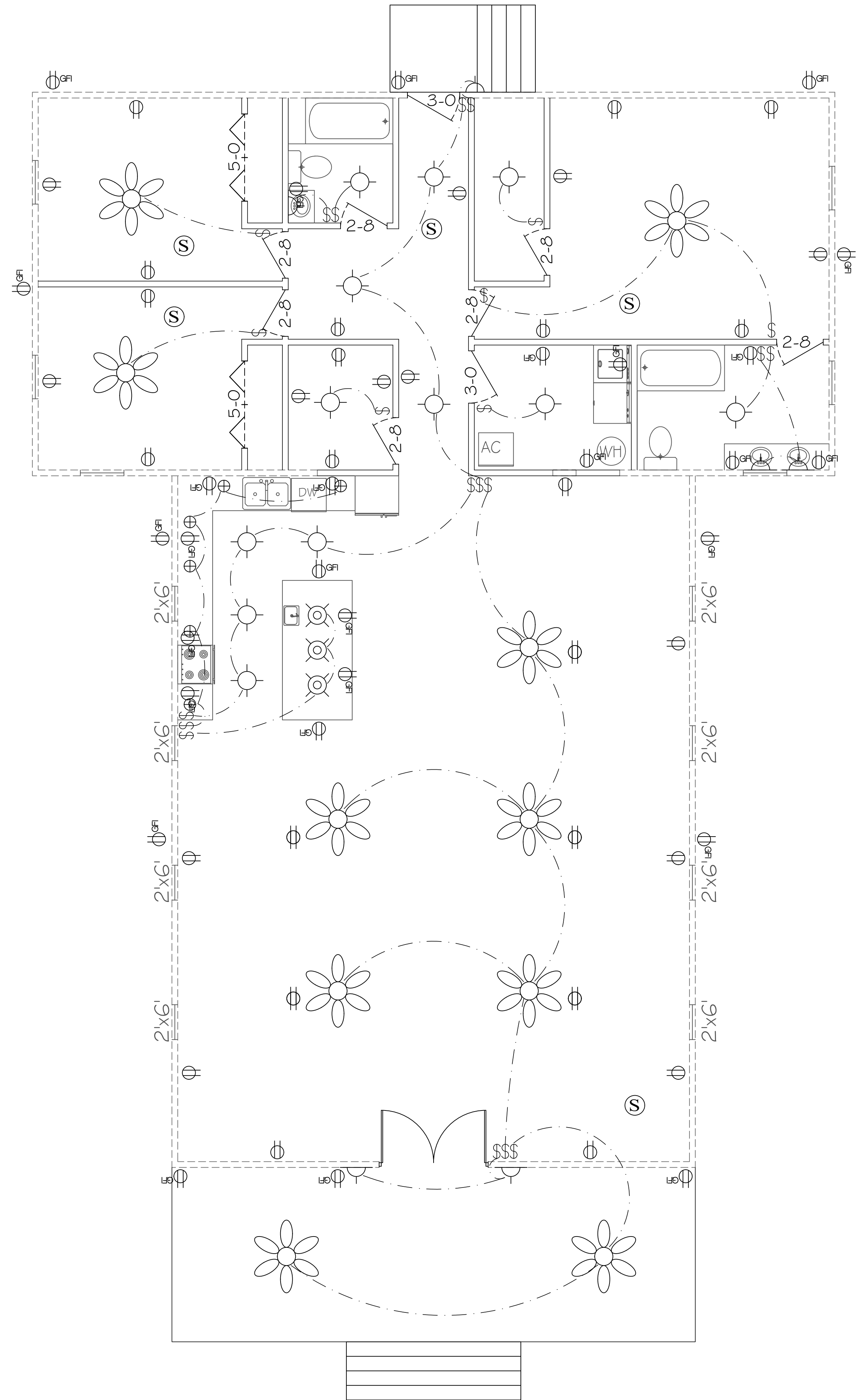
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

PROJECT NO. F121241	CROFT RESIDENCE FOUNDATION PLAN	SHEET # MECHAN. PROOF mproo0131@gmail.com 396.646.9645	12" = 1'-0" 1/4" = 1'-0" 1/8" = 1'-0" 1/16" = 1'-0" 1/32" = 1'-0" 1/64" = 1'-0" 1/128" = 1'-0" 1/256" = 1'-0" 1/512" = 1'-0" 1/1024" = 1'-0" 1/2048" = 1'-0" 1/4096" = 1'-0" 1/8192" = 1'-0" 1/16384" = 1'-0" 1/32768" = 1'-0" 1/65536" = 1'-0" 1/131072" = 1'-0" 1/262144" = 1'-0" 1/524288" = 1'-0" 1/1048576" = 1'-0" 1/2097152" = 1'-0" 1/4194304" = 1'-0" 1/8388608" = 1'-0" 1/16777216" = 1'-0" 1/33554432" = 1'-0" 1/67108864" = 1'-0" 1/134217728" = 1'-0" 1/268435456" = 1'-0" 1/536870912" = 1'-0" 1/1073741824" = 1'-0" 1/2147483648" = 1'-0" 1/4294967296" = 1'-0" 1/8589934592" = 1'-0" 1/17179869184" = 1'-0" 1/34359738368" = 1'-0" 1/68719476736" = 1'-0" 1/137438953472" = 1'-0" 1/274877906944" = 1'-0" 1/549755813888" = 1'-0" 1/1099511627776" = 1'-0" 1/2199023255552" = 1'-0" 1/4398046511104" = 1'-0" 1/8796093022208" = 1'-0" 1/17592186044416" = 1'-0" 1/35184372088832" = 1'-0" 1/70368744177664" = 1'-0" 1/140737488355328" = 1'-0" 1/281474976710656" = 1'-0" 1/562949953421312" = 1'-0" 1/1125899906842624" = 1'-0" 1/2251799813685248" = 1'-0" 1/4503599627370496" = 1'-0" 1/9007199254740992" = 1'-0" 1/18014398509481984" = 1'-0" 1/36028797018963968" = 1'-0" 1/72057594037927936" = 1'-0" 1/144115188075855872" = 1'-0" 1/288230376151711744" = 1'-0" 1/576460752303423488" = 1'-0" 1/1152921504606846976" = 1'-0" 1/2305843009213693952" = 1'-0" 1/4611686018427387904" = 1'-0" 1/9223372036854775808" = 1'-0" 1/18446744073709551616" = 1'-0" 1/36893488147419103232" = 1'-0" 1/73786976294838206464" = 1'-0" 1/147573952589676412928" = 1'-0" 1/295147905179352825856" = 1'-0" 1/590295810358705651712" = 1'-0" 1/1180591620717411303424" = 1'-0" 1/2361183241434822606848" = 1'-0" 1/4722366482869645213696" = 1'-0" 1/9444732965739290427392" = 1'-0" 1/18889465931478580854784" = 1'-0" 1/37778931862957161709568" = 1'-0" 1/75557863725914323419136" = 1'-0" 1/151115727451828646838272" = 1'-0" 1/302231454903657293676544" = 1'-0" 1/604462909807314587353088" = 1'-0" 1/1208925819614629174706176" = 1'-0" 1/2417851639229258349412352" = 1'-0" 1/4835703278458516698824704" = 1'-0" 1/9671406556917033397649408" = 1'-0" 1/19342813113834066795298816" = 1'-0" 1/38685626227668133590597632" = 1'-0" 1/77371252455336267181195264" = 1'-0" 1/154742504910672534362390528" = 1'-0" 1/309485009821345068724781056" = 1'-0" 1/618970019642690137449562112" = 1'-0" 1/1237940039285380274899124224" = 1'-0" 1/2475880078570760549798248448" = 1'-0" 1/4951760157141521099596496896" = 1'-0" 1/9903520314283042199192993792" = 1'-0" 1/19807040628566084398385987584" = 1'-0" 1/39614081257132168796771975168" = 1'-0" 1/79228162514264337593543950336" = 1'-0" 1/158456325028528675187087900672" = 1'-0" 1/316912650057057350374175801344" = 1'-0" 1/633825300114114700748351602688" = 1'-0" 1/1267650600228229401496703205376" = 1'-0" 1/2535301200456458802993406410752" = 1'-0" 1/5070602400912917605986812821504" = 1'-0" 1/10141204801825835211973625643008" = 1'-0" 1/20282409603651670423947251286016" = 1'-0" 1/40564819207303340847894502572032" = 1'-0" 1/81129638414606681695789005144064" = 1'-0" 1/162259276829213363391578010288128" = 1'-0" 1/324518553658426726783156020576256" = 1'-0" 1/649037107316853453566312041152512" = 1'-0" 1/1298074214633706907132624082305024" = 1'-0" 1/2596148429267413814265248164610048" = 1'-0" 1/5192296858534827628530496329220096" = 1'-0" 1/10384593717069655257060992658440192" = 1'-0" 1/20769187434139310514121985316880384" = 1'-0" 1/41538374868278621028243970633760768" = 1'-0" 1/83076749736557242056487941267521536" = 1'-0" 1/166153499473114484112975882535043072" = 1'-0" 1/332306998946228968225951765070086144" = 1'-0" 1/664613997892457936451903530140172288" = 1'-0" 1/1329227995784915872903807060280344576" = 1'-0" 1/2658455991569831745807614120560689152" = 1'-0" 1/53169
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LEGEND

-  DUPLEX FLOOR RECEPTACLE
-  DUPLEX WALL RECEPTACLE
-  GFI DUPLEX WALL RECEPTACLE
-  SPST WALL SWITCH
-  LIGHT (BATHROOM SHALL HAVE FAN)
-  PENDENT LIGHT
-  UNDER-CABINET LIGHT
-  120V SMOKE DETECTOR
-  AIR HANDLER
-  CEILING FAN



ALL ELECTRICAL TO BE INSTALLED CURRENT NEC CODE.

1. PROVIDE INTERIOR SWITCH AND EXTERIOR LIGHT IN THE VICINITY OF DOORS.
2. PROVIDE RECEPTACLE OUTLET 6' FROM OPENINGS, ENDS OF WALL, AND 6' ON CENTER
3. PROVIDE AN OUTSIDE GFI, WATER PROTECTED RECEPTACLE OUTLET NEAR EGRESS DOORS AT AIR CONDENSER UNIT, AND NEAR GARAGE DOOR OPENING.
4. BATHROOM OUTLETS TO BE GFCI WITH A SEPARATE 20 AMP CIRCUIT.
5. PROVIDE SMOKE DETECTOR AS BY BLDG CODE, IN THE BEDROOMS AND HALLWAYS WITHIN 10' SERVING SUCH ROOMS.
6. ALL BRANCH CIRCUITS THAT SUPPLY 125-VOLT, SINGLE PHASE 15 AND 20 AMPERE OUTLETS INSTALLED IN DWELLING UNIT SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER LISTED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.
7. LIGHT FIXTURE IN CLOTHES CLOSET SHALL BE SURFACE-MOUNTED INCANDESCENT FIXTURE WITH COMPLETELY ENCLOSED LAMP ON THE WALL ABOVE DOOR OR ON CEILING WITH MIN 12" CLEAR TO STORAGE AREA.
8. FLUORESCENT GENERAL LIGHTING IS REQUIRED IN BATHROOM AND KITCHEN A 40 LUMENS PER WATT EFFICIENCY LAMP IS REQUIRED
9. LIGHT FIXTURES IN TUB OR SHOWER ENCLOSURES MUST HAVE LABEL STATING "SUITABLE FOR DAMP LOCATIONS"
10. RECESSED CEILING FIXTURES MUST BE IC RATED
11. ALL RECEPTACLES AT KITCHEN COUNTER SHALL BE GFCI. PROVIDE TWO MINIMUM SEPARATE 20-AMP CIRCUITS TO KITCHEN APPLIANCES
12. EACH SEPARATE KITCHEN COUNTER SPACE 12" OR WIDER SHALL HAVE A RECEPTACLE OUTLET
13. KITCHEN RECEPTACLE OUTLET SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL IS MORE THAN 24" FROM A RECEPTACLE OUTLET
14. ISLAND AND PENINSULA COUNTER TOPS 12" OR WIDER SHALL HAVE AT LEAST ONE RECEPTACLE OUTLET FOR EACH 4' OF COUNTER TOP.
15. NOT LESS THAN 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LAMPS OR NOT LESS THAN 75% OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICACY LAMPS.
16. ALL CIRCUITS IN GARAGE AREA TO BE GFI RATED 125 VOLT SINGLE PHASE 20 AMPERE

Digitally signed
by Carol
Chadwick
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o=Florida,
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C=US,
Chadwick,
Date: 2022.04.10
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CROFT RESIDENCE ELECTRIC PLAN	
DATE: 4/10/2022	SCALE: 1/4" = 1'
SHEET 35-3	