

ABBREVIATIONS

A.B.	ANCHOR BOLT	JNT.	JOINT
A.T.	ADJUSTABLE TILE	JST.	JOIST
ADJ.	ADJUSTABLE	K.	KIP
A.F.F.	ABOVE FINISH FLOOR	KD.	KNOCK OUT
A.C.	AIR CONDITIONING	LAM.	LAMINATE LAMINATED
AND.	ANDRIZED	LTG.	LIGHTING
ALUMINAL	ALUMINUM	LI.	LIVE LOAD
APPROX.	APPROXIMATE	L6.	LONG
ABV.	ABOVE	LNTL.	LINTEL
ADD'L.	ADDITIONAL	MFR.	MANUFACTURER
ALT.	ALTERNATE	MATL.	MATERIAL
BD.	BOARD	MAX.	MAXIMUM
BM.	BEAM	MCH.	MECHANICAL
BLW.	BELOW	MEMB.	MEMBRANE
BLK.	BLOCK	MTL.	METAL
BLK'G.	BLOCKING	MIN.	MINIMUM
BOT.	BOTTOM	MISC.	MISCELLANEOUS
BLDG.	BUILDING	MOLD.	MOLDING
B.O.	BOTTOM OF	N.I.C.	NOT IN CONTRACT
CAB.	CABINET	N.T.S.	NOT TO SCALE
CL6.	CEILING	NO.	NUMBER
CEM.	CEMENT	OFF.	OFFICE
CF.	CURB FACE	O.C.	ON CENTER
C.O.	CLEAN OUT	OD.	OUTSIDE DIAMETER
C.T.	CERAMIC TILE	OPN'G.	OPENING
CL.	CENTERLINE	OPP.	OPPOSITE
CANT.	CANTILEVER	O.A.	OVERALL
CONN.	CONNECTION	O.H.	OVERHEAD
CTR.	CENTER	P.G.	PAINT GRADE
CLR.	CLEAR	PR.	PAIR
COL.	COLUMN	PRL.	PANEL
CONC.	CONCRETE	PART.	PARTITION
CMU	CONCRETE MASONRY UNIT	PERF.	PERFORATION
CONST.	CONSTRUCTION	PERP.	PERPENDICULAR
CONT.	CONTINUOUS	PLAS.	PLASTIC
CJ.	CONTROL JOINT	PLYWD.	PLYWOOD
CONTR.	CONTRACTOR	PRCP.	PROPERTY
CORR.	CORRIDOR	PSI	POUNDS PER SQUARE INCH
CTRD.	CENTERED	PSF	POUNDS PER SQUARE FOOT
D.	DEEP	P.L.	PROPERTY LINE
DET.	DETAIL	P.V.C.	POLY VINYL CHLORIDE
DIAG.	DIAGONAL	R.	RISER
DIA.	DIAMETER	REFR.	REFRIGERATOR
DIM.	DIMENSION	R.S.	REMOTE SENSOR
DL.	DEAD LOAD	REINF.	REINFORCING
DWL.	DOWEL	REQ'D.	REQUIRED
DR.	DOOR	RTL.	RETURN
DBL.	DOUBLE	R.A.	RETURN AIR
DN.	DOWN	REV.	REVERSE
DWG.	DRAWING	R.D.	ROOF DRAIN
D.S.C.	DOWN SPOUT CONNECTION	RFG.	ROOFING
EA.	EACH	RM.	ROOM
EBRD.	EMERGENCY EGRESS RESCUE OPENING	R.O.	ROUGH OPENING
E.S.	EACH SIDE	SCH.	SCHEDULE
ELEC.	ELECTRICAL	SECT.	SECTION
EP.	ELECTRICAL PANEL	SHT'G.	SHEATHING
EL.	ELEVATION (BGRD)	SHT.	SHEET
ELEV.	ELEVATION (BLDG)	SIM.	SIMILAR
ENCL.	ENCLOSURE	S.	SINE
EQ.	EQUAL	S.D.	SOAP DISPENSER
EQUIP.	EQUIPMENT	SOL.	SOLID
EXH.	EXHAUST	SPECS.	SPECIFICATIONS
EXIST.	EXISTING	SQ.	SQUARE
E.J.	EXPANSION JOINT	S.S.	STAINLESS STEEL
EXP.	EXPOSED; EXPANSION	STD.	STANDARD
EXT.	EXTERIOR	STL.	STEEL
E.W.	EACH WAY	STOR.	STORAGE
FIN.	FINISH	ST.	STREET; STRAIN
F.F.	FINISH FLOOR	STRUCT.	STRUCTURAL
F.E.	FIRE EXTINGUISHER	SUSP.	SUSPENDED; SUSPENDED
F.E.C.	FIRE EXTINGUISHER CABINET	S.W.S.	SHEAR WALL
FF.	FIRE PROOF	SYM.	SYMMETRICAL
FLASH.	FLASHING	S.J.	SAW-CUT JOINT
F.D.	FLOOR DRAIN	SL.	SLOPE
F.S.	FLOOR SINK	STD.	STANDARD
FT.	FOOT	TEL.	TELEPHONE
FTG.	FOOTING	THERMO.	THERMOSTAT
FDN.	FOUNDATION	THK.	THICK
GA.	GAUGE	THRU.	THROUGH
G.C.	GENERAL CONTRACTOR	TOIL.	TOGLET
GEN.	GENERAL	T.O.	TOP OF
GALV.	GALVANIZED	T & B	TOP AND BOTTOM
GL.	GLASS GLAZING; GLAZED	T & G	TONGUE AND GROOVE
GR.	GRADE	TEMP.	TEMPORARY; TEMPERED
GYP.	GYPSSUM	T.	TREAD
HW.	HARDWARE	T.S.	TUBULAR STEEL
HC.	HOLLOW CORE	TYP.	TYPICAL
HT.	HEIGHT	UL.	UNDERWRITERS LABORATORIES
HM.	HOLLOW METAL	UNFIN.	UNFINISHED
HOR.	HORIZONTAL	U.O.N.	UNLESS OTHERWISE NOTED
INS.	INSULATE; INSULATION	VENT.	VENTILATE; VENTILATION
INT.	INTERIOR	VEST.	VESTIBULE
I.D.	INSIDE DIAMETER	VERT.	VERTICAL
		W.C.	WATER CLOSET
		W.P.	WATERPROOF
		W.W.M.	WELDED WIRE MESH
		W.	WIDE; WIDTH
		W/	WITH
		W/O	WITHOUT
		WD.	WOOD
		W.I.C.	WALK-IN CLOSET

DOCUMENTS BY OTHERS

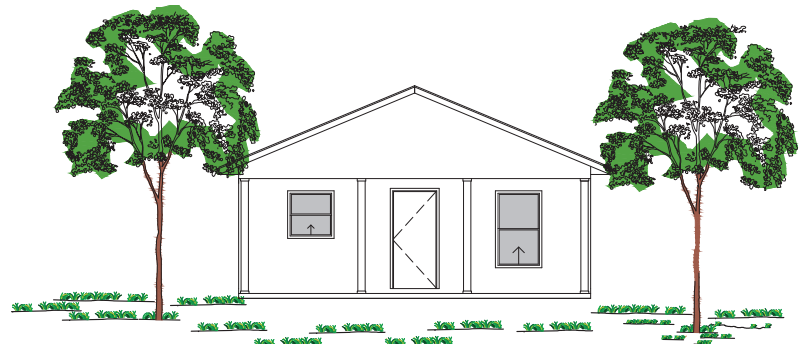
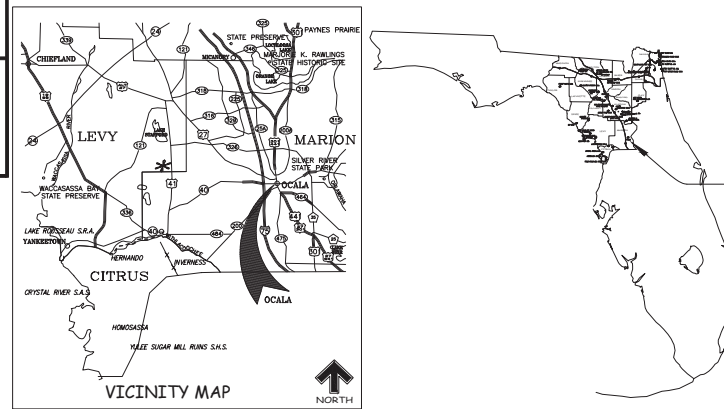
- 1) FINAL ELECTRICAL DOCUMENTS ARE TO BE PREPARED BY THE ELECTRICAL SUBCONTRACTOR AND SUBMITTED WITH THESE DOCUMENTS FOR PERMITTING ELECTRICAL CONTRACTOR TO CONFIRM LOADS OF EQUIPMENT & APPLIANCES WITH BOTH THE GENERAL CONTRACTOR & MECHANICAL SUB CONTRACTOR.
- 2) THE MECHANICAL CONTRACTOR IS RESPONSIBLE FOR FINAL ENGINEERING DESIGN OF THE MECHANICAL SYSTEMS, GAS PIPING AND FLORIDA ENERGY CODE COMPLIANCE FORMS. FINAL MECHANICAL ENGINEERING DOCUMENTS AND ENERGY CODE CALCULATIONS ARE TO BE SUBMITTED FOR PERMITTING WITH THESE DOCUMENTS.
- 3) COMPONENT & CLADDING - MANUFACTURERS OF DOORS, WINDOWS, AND OTHER CLADDING COMPONENTS PROVIDE STANDARD SIGNED AND SEALED ENGINEERING CERTIFICATION FOR PRODUCT INSTALLATIONS TO MEET LOADS NOTED ON THE FLOOR PLAN.
- 4) SUBMIT 2 COPIES UPON COMPLETION W/ FINAL TRUSS ENGINEERING DOCUMENTS WITH CALCULATIONS AND TRUSS FRAMING PLAN(S) TO THE PERMITTING AUTHORITY. PROVIDE THE ENGINEER WITH 2 COPIES OF DOCUMENTS FOR REVIEW & APPROVAL PRIOR TO ISSUING FINAL SETS.
- 5) THE TRUSS CONTRACTOR IS RESPONSIBLE FOR FINAL ENGINEERING DESIGN OF THE TRUSS SYSTEMS, TRUSS ENGINEERING AND CALCULATIONS ARE TO BE SUBMITTED FOR PERMITTING WITH THESE DOCUMENTS, ANY DEVIATIONS IN DESIGN OR MANUFACTURE OTHER THAN THE ORIGINALLY SUBMITTED DOCUMENTS SHALL VOID THE FOUNDATION DESIGN SET FORTH IN THESE PLANS. ANY NEW TRUSS DESIGN SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD AND RESUBMITTED TO THE LOCAL JURISDICTION AUTHORITY. FOUNDATION DESIGN IS BASED ON SANDY LOAM SOIL CONDITIONS AND A SOIL BEARING CAPACITY OF 2,000 PSF. IF OTHER CONDITIONS SHOULD OCCUR THE OWNER SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO EVALUATE, TEST AND RECOMMEND FOOTING DESIGNS SUITABLE FOR CONDITIONS FOUND. ENGINEER SHALL BE NOTIFIED OF SUCH CONDITIONS AND SHALL BE PROVIDED W/ COPIES OF ALL RELATED TECHNICAL REPORTS, INCLUDING SOIL TESTS AND PROPOSED FOOTING DESIGN. IF OWNER/CONTRACTOR FAILS TO NOTIFY DESIGNER/ENGINEER OF SOIL CONDITIONS FOUND, THIS FOUNDATION DESIGN IS VOID AND DESIGNER/ENGINEER ARE NOT HELD LIABLE FOR ANY DESIGN SET FORTH IN THESE PLANS.

SQUARE FOOTAGE SUMMARY

LIVING 864 SF
FRONT PORCH 114 SF
TOTAL 1008 SF

CODE ANALYSIS

1. CODES AND REFERENCES
 - 1.1. FLORIDA BUILDING CODE-R 2023 RESIDENTIAL (EIGHTH EDITION)
 - 1.2. FLORIDA BUILDING CODE-A 2023 ACCESSIBILITY (EIGHTH EDITION)
 - 1.3. FLORIDA BUILDING CODE-EC 2023 ENERGY CONSERVATION (EIGHTH EDITION)
 - 1.4. FLORIDA BUILDING CODE-EP 2023 EXISTING BUILDING (EIGHTH EDITION)
 - 1.5. FLORIDA BUILDING CODE-FD 2023 FUEL GAS (EIGHTH EDITION)
 - 1.6. FLORIDA BUILDING CODE-M 2023 MECHANICAL (EIGHTH EDITION)
 - 1.7. FLORIDA BUILDING CODE-P 2023 PLUMBING (EIGHTH EDITION)
 - 1.8. FLORIDA BUILDING CODE-B 2023 BUILDING (EIGHTH EDITION)
 - 1.9. AMERICAN CONCRETE INSTITUTE OF STRUCTURAL CONCRETE (ACI 318)
 - 1.10. AMERICAN CONCRETE INSTITUTE OF MASONRY STRUCTURES (ACI-530/ ASCE 7-22/ FMS 402 AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530 / ASCE 6/ FMS 602)
 - 1.11. AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE-7-22)
 - 1.12. SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS LATEST EDITION DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD
 - 1.13. TRUSSES BY THE TRUSS PLATE INSTITUTE (TP) LATEST EDITION NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS) LATEST EDITION
 - 1.14. AMERICAN PLYWOOD ASSOCIATION DESIGN / CONSTRUCTION GUIDE. (APA) LATEST EDITION
 - 1.15. NFA 70-20 NATIONAL ELECTRIC CODE 2020 (NEC)
 - 1.16. FLORIDA FIRE PREVENTION CODE 2023 8TH EDITION
 - 1.17. 130 STANDARD FOR INSTALLATION OF SPRINKLERS IN ONE AND TWO DWELLINGS AND MANUFACTURED HOMES
 - 1.18. 13R STANDARD FOR INSTALLATION OF SPRINKLERS IN LOW RISE RESIDENTIAL OCCUPANCIES.
2. DESIGN CRITERIA
 - 2.1. ROOF LOADING LIVE 20 PSF
 - 2.2. FLOOR LOADING DEAD 10 PSF
 - 2.3. WIND VELOCITY Vult = 130 MPH, Voad = 101 MPH
 - 2.4. INTERNAL PRESSURE COEFFICIENT +/- 0.18
 - 2.5. EXPOSURE B
 - 2.6. RISK CATEGORY = II
 - 2.7. BUILDING MEAN HEIGHT = 11.5 FT
 - 2.8. ADJUSTMENT FACTOR = 0.82
 - 2.9. BUILDING TYPE = ENCLOSED
 - 2.10. RAINFALL DATA:
 - 2.10.1. 15-MINUTE PRECIPITATION INTENSITY: 8.18 IN./H
 - 2.10.2. 60-MINUTE PRECIPITATION INTENSITY: 4.04 IN./H
3. TYPE OF CONSTRUCTION
- 3.1. TYPE V-B
4. OCCUPANCY CLASSIFICATION
- 4.1. GROUP R-3
5. OCCUPANT LOAD
- 5.1. 200 S.F. GROSS PER OCCUPANT
6. MAX. DISTANCE OF TRAVEL (LIFE SAFETY): 100 L.F.



Insko Residence
Ocala, Florida

Cover
SCALE: NONE

COUNTY/CITY SEAL

City of Ocala, Florida
Insko Residence
1943 N.E. 16th Street
PARCEL ID # 2594-005-007
352-425-7686

CUSTOMER

SHEET INDEX

DESIGNER
Home Design Ocala
1030 SW 64th Court Ocala, Florida 34477
Phone: 352-425-7686 Email: info@homedesignocala.com

PROJECT ENGINEER
Harold Barmineau
Professional Engineer License No. 49447
STATE OF FLORIDA
H.W. Barmineau & Associates, Inc.
1030 SW 64th Court Ocala, Florida 34477
Phone: 352-425-7686 Email: info@homedesignocala.com

DRAWN BY: FILE NAME:
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SCALE: DATE:
15'-1"=1' 1/24/24

1 OF 8

BUILDERS NOTES

- 8'-0" PLATE HEIGHT
- ALL WORK SHALL CONFORM TO THE CURRENT ISSUE OF THE FLORIDA BUILDING CODE.
- 2X4 INTERIOR WOOD CONSTRUCTION UNLESS NOTED.
- ALL ANGLED WALLS ARE SET AT 45° UNLESS NOTED.
- OWNER/BUILDER RESERVES THE RIGHT TO ALTER NON-BEARING INTERIOR WALLS DURING CONSTRUCTION.
- VERIFY ALL ROUGH OPENINGS WITH DOOR AND WINDOW MANUFACTURER.
- ASSUMED SOIL BEARING CAPACITY 2 KSF.
- CONCRETE TO BE 3000 MIN. PSI. @ 28 DAYS.
- REINFORCING STEEL TO BE GRADE 60 OR BETTER.
- CONTRACTOR/OWNER TO REVIEW FLOOR PLANS AND CHECK DIMENSIONS PRIOR TO CONSTRUCTION. HOME DESIGN ASSUMES NO RESPONSIBILITY FOR DESIGN, STRUCTURAL, OR ENGINEERING DEFECTS. CONTRACTOR ASSUMES ALL LIABILITIES.
- ALL LUMBER TO BE SYP OR SPF#2 MAXIMUM, M.C. OF 19% EXTERIOR LUMBER TO BE PRESSURE TREATED.
- PROVIDE ADEQUATE BRACING AND BRIDGING TO TRUSSES TO RESIST WIND AND OTHER LATERAL FORCES.
- PROVIDE 3.5" CLEARANCE AT DOOR JAMBS FOR TRIM/MOLDINGS.

ELECTRICAL/H.V.A.C.	APPLIANCES	WINDOWS/MISC.	DOORS	PLUMBING
SYMBOL LEGEND 				
WASHER BOX 36" AFF	60" TUB W/ SHOWER	48" AFF	16" AFF	36" AFF

SIZE CODE	NUMBER	WIDTH X HEIGHT
12		19 7/8 x 26
13		19 7/8 x 38 3/8
14		19 7/8 x 50 5/8
14-5		19 7/8 x 56
15		19 7/8 x 63
16		19 7/8 x 72
16-5		19 7/8 x 78
<hr/>		
IH32		27 1/4 x 26
IH33		27 1/4 x 38 3/8
IH34		27 1/4 x 50 5/8
IH34-5		27 1/4 x 56
IH35		27 1/4 x 63
IH36		27 1/4 x 72
IH36-5		27 1/4 x 78
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22		37 3/4 x 26
23	1	37 3/4 x 38 3/8
24		37 3/4 x 50 5/8
24-5		37 3/4 x 56
25	3	37 3/4 x 63
26		37 3/4 x 72
26-5		37 3/4 x 78
<hr/>		
32		53 7/8 x 26
33		53 7/8 x 38 3/8
34		53 7/8 x 50 5/8
34-5		53 7/8 x 56
35		53 7/8 x 63
36		53 7/8 x 72
36-5		53 7/8 x 78

	Size Code	Width
TWIN	1/2 wide	53 7/8
	2 wide	74 7/8
	3 wide	107 1/8
TRIPLE	1/2 wide	80 1/2
	1 wide	112
	3 wide	160 3/8
QUAD	2 wide	148 1/8
	3 wide	213 5/8
<hr/>		
TRANSOM		
20/14		24 x 16
30/14		36 x 16
40/14		48 x 16
50/14		60 x 16
60/14		72 x 16
70/14		84 x 16
20/20		24 x 24
30/20		36 x 24
40/20		48 x 24
50/20		60 x 24
60/20		72 x 24
70/20		84 x 24

LIVING	864 SF
FRONT PORCH	114 SF
TOTAL	1008 SF

COUNTY/CITY SEAL

City of Ocala, Florida
 Inco Residence
 1343 N.E. 16th Street
 PARCEL ID # 2594-005-007
 352-425-7666

CUSTOMER

1. COVER
 2. FLOOR PLAN/ELEVATIONS
 3. FOUNDATION PLAN
 4. SECTIONS
 5. ROOF LAYOUT
 6. ROOF SECTIONS
 7. ELECTRICAL LAYOUT

SHEET INDEX

PRELIMINARY DESIGN
 DOCUMENT REVISION 1
 DOCUMENT REVISION 2
 DOCUMENT FINAL

DESIGNER

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 1001 SW 9th Street
 Ocala, Florida 34476
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 Fax: 352-235-2389
 hdesign@hdo.com

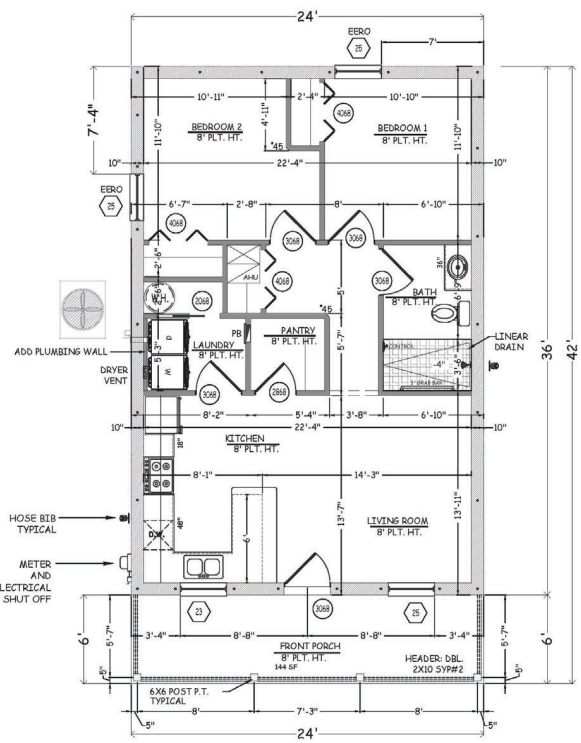
PROJECT ENGINEER

Professional Engineer
 No. 40447
 STATE OF FLORIDA
 PROFESSIONAL ENGINEER

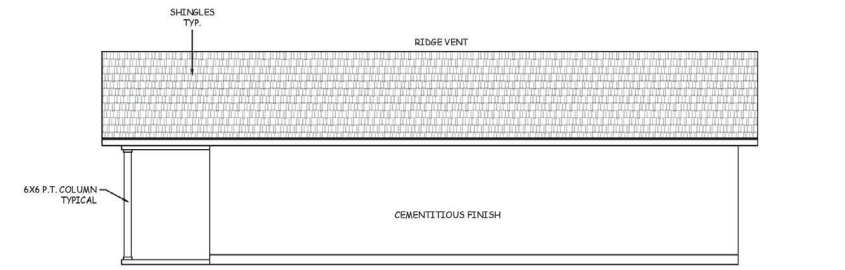
Harold Barnineau

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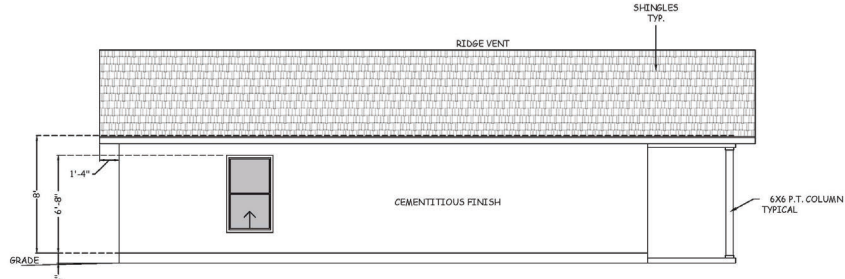
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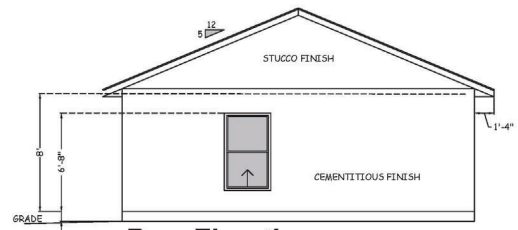
Floor Plan
 Scale: 1/4" = 1'-0"



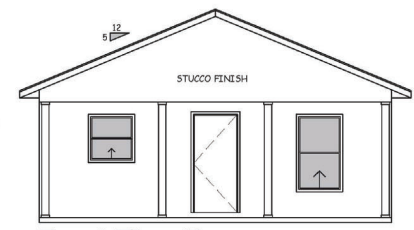
Right Elevation



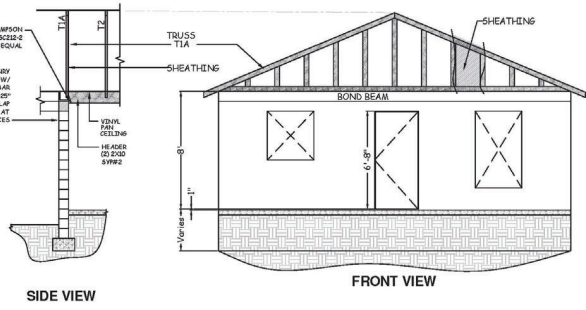
Left Elevation



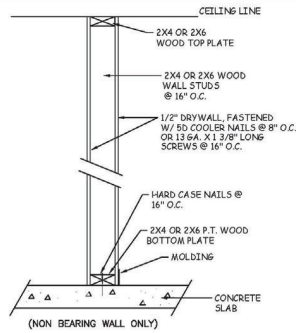
Rear Elevation



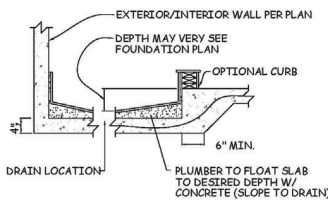
Front Elevation



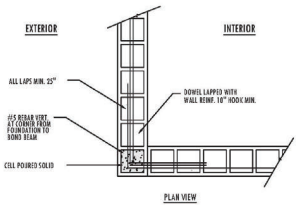
PORCH/HOUSE SECTION



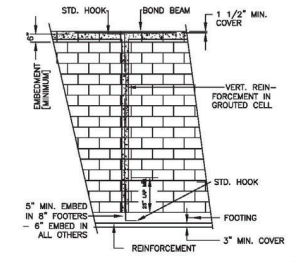
INTERIOR WALL SECTION



RECESSED SHOWER DETAIL



CORNER-VERTICAL WALL REINF.

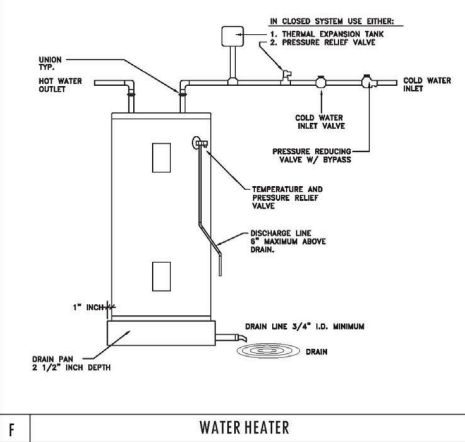


MASONRY WALL

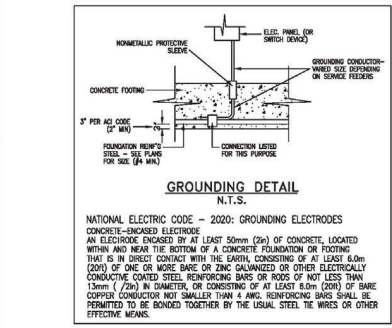
GENERAL FOUNDATION NOTES

FOUNDATION DESIGN IS BASED ON SANDY LOAM SOIL CONDITIONS AND A SOIL BEARING CAPACITY OF 2,000 PSF. IF OTHER CONDITIONS SHOULD OCCUR THE OWNER SHALL RETAIN THE SERVICES OF A GEOTECHNICAL ENGINEER TO EVALUATE, TEST AND RECOMMEND FOOTING DESIGN SUITABLE FOR CONDITIONS FOUND. ENGINEER SHALL BE NOTIFIED OF SUCH CONDITIONS AND SHALL BE PROVIDED W/ COPIES OF ALL RELATED TECHNICAL REPORTS, INCLUDING SOIL TESTS AND PROPOSED FOOTING DESIGN. IF OWNER/CONTRACTOR FAILS TO NOTIFY ENGINEER/NOTIFIER OF SOIL CONDITIONS AND FOUNDATION DESIGN IS IN VIOLATION AND DESIGNER/ENGINEER ARE NOT HELD LIABLE FOR ANY DESIGN SET FORTH IN THESE PLANS.

NEW 4\"/>



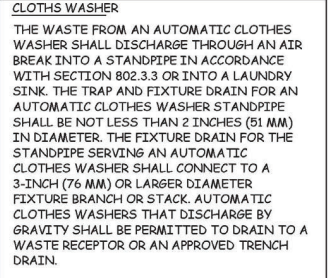
WATER HEATER



GROUNDING DETAIL
N.T.S.

NATIONAL ELECTRIC CODE - 2020: GROUNDING ELECTRODES CONCRETE-ENCASED ELECTRODE AN ELECTRODE ENCASED BY AT LEAST 50mm (2IN) OF CONCRETE, LOCATED WITHIN AND NEAR THE BOTTOM OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 60mm (2IN) OF ONE OR MORE BARS OR ZINC GALVANIZED OR OTHER ELECTRICALLY CONDUCTIVE COATED STEEL REINFORCING BARS OR RODS OF NOT LESS THAN 13mm (1/2IN) IN DIAMETER, OR CONSISTING OF AT LEAST 60mm (2IN) OF SAE COPPER CONDUCTOR NOT SMALLER THAN 4 AWG. REINFORCING BARS SHALL BE PERMITTED TO BE BONDED TOGETHER BY THE USUAL STEEL TIE WIRES OR OTHER EFFECTIVE MEANS.

- FOUNDATION SCHEDULE NOTES :**
1. PROVIDE 3000 PSI CONCRETE MINIMUM.
 2. MINIMUM DEPTH FOOTINGS SHALL BE LEVEL OR SHALL BE STEPPED SO THAT BOTH TOP AND BOTTOM OF SUCH FOOTINGS ARE LEVEL. THE BOTTOM OF ALL FOOTINGS, EXCEPT MONOLITHIC SLAB ON GRADE INTERIOR FOOTINGS, SHALL BE A MINIMUM OF 12 INCHES BELOW FINISHED GRADE LINE.
 3. PROVIDE 3\"/>



CLOTHES WASHER

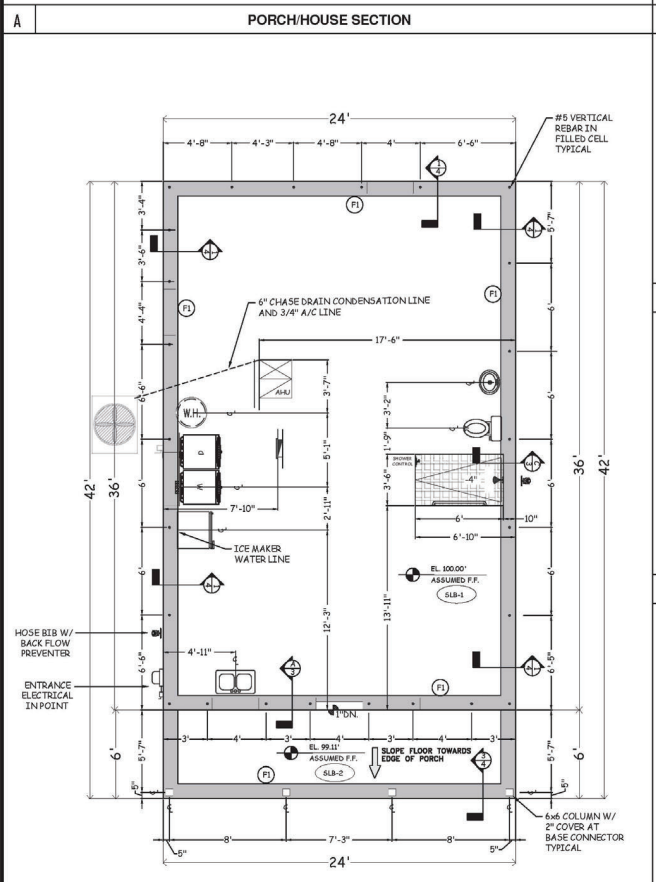
THE WASTE FROM AN AUTOMATIC CLOTHES WASHER SHALL DISCHARGE THROUGH AN AIR BREAK INTO A STANDPIPE IN ACCORDANCE WITH SECTION 802.3.3 OR INTO A LAUNDRY SINK. THE TRAP AND FIXTURE DRAIN FOR AN AUTOMATIC CLOTHES WASHER STANDPIPE SHALL BE NOT LESS THAN 2 INCHES (51 MM) IN DIAMETER. THE FIXTURE DRAIN FOR THE STANDPIPE SERVING AN AUTOMATIC CLOTHES WASHER SHALL CONNECT TO A 3-INCH (76 MM) OR LARGER DIAMETER FIXTURE BRANCH OR STACK. AUTOMATIC CLOTHES WASHERS THAT DISCHARGE BY GRAVITY SHALL BE PERMITTED TO DRAIN TO A WASTE RECEPTOR OR AN APPROVED TRENCH DRAIN.

SECTION 802.3.3 STANDPIPES SHALL BE INDIVIDUALLY TRAPPED. STANDPIPES SHALL EXTEND NOT LESS THAN 18 INCHES (457 MM) BUT NOT GREATER THAN 42 INCHES (1066 MM) ABOVE THE TRAP WEIR. ACCESS SHALL BE PROVIDED TO STANDPIPES AND DRAINS FOR RODDING.

MECHANICAL - EXTERIOR PAD MOUNT
CONDENSING UNITS SHALL BE ANCHORED TO AN 4\"/>

FOUNDATION SCHEDULE	
MARK	DESCRIPTION
(F)	18\"/>

FOUNDATION DESIGN BASED ON TRUSS REACTIONS PROVIDED BY DULEY TRUSS, INC. DUNNELLON, FL. QUOTE# X0113, MEETS THE REQUIREMENTS OF FBC 2023 8TH EDITION.



FOUNDATION PLAN

COUNTY/CITY SEAL

City of Ocala, Florida
Inco Residence
1343 N.E. 16th Street
PARCEL ID # 2594-005-007
352-425-7686

CUSTOMER

1. COVER
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SHEET INDEX

PRELIMINARY DESIGN	
DOCUMENT REVISION 1	
DOCUMENT REVISION 2	
DOCUMENT FINAL	

DESIGNER
Home Design Ocala
1001 SW 9th Street
Ocala, Florida 34476
Tel: 352-425-7686
Fax: 352-425-7686
www.homedesignocala.com

PROJECT ENGINEER

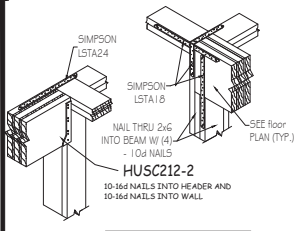


Harold Barrineau
Professional Engineer
H.W. Barrineau & Associates, Inc.
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Fax: 352-425-7686
www.homedesignocala.com

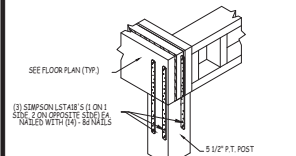
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Foundation Plan/Notes

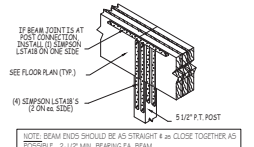
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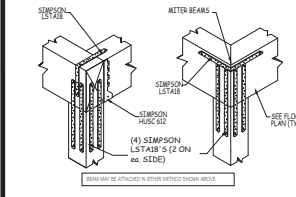
A BEAM CORNER CONNECTION DETAIL 2X6 WALL
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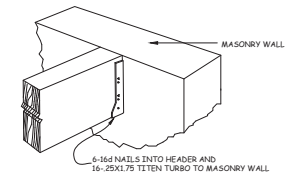
B SUPPORTIVE POST TO BEAM DETAIL FOR SINGLE 6" BEAM & POST
SCALE: NONE



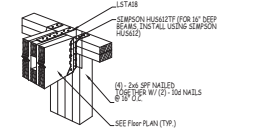
C BEAM DETAIL 8" POST SUPPORTIVE CENTER POST TO SCALE: NONE



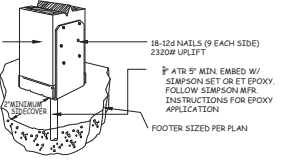
D SUPPORTIVE POST TO BEAM DETAIL FOR DOUBLE BEAM & POST
SCALE: NONE



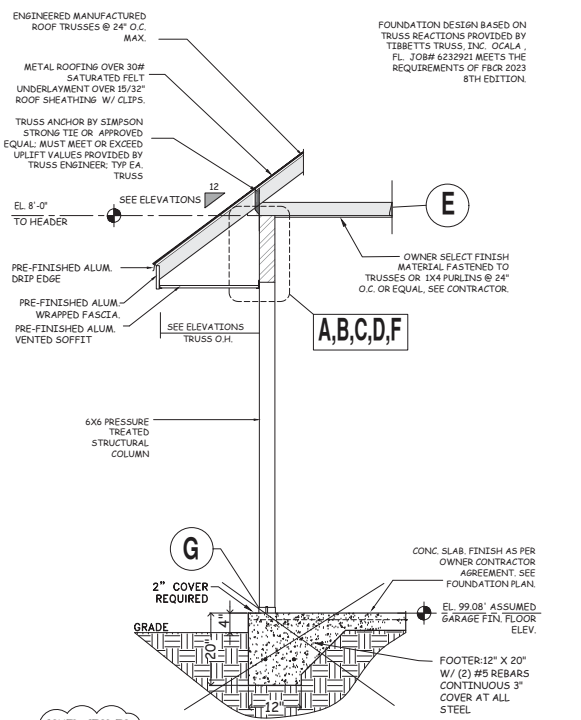
E SIMPSON HEADER AT WALL HUSC212-2
SCALE: NONE



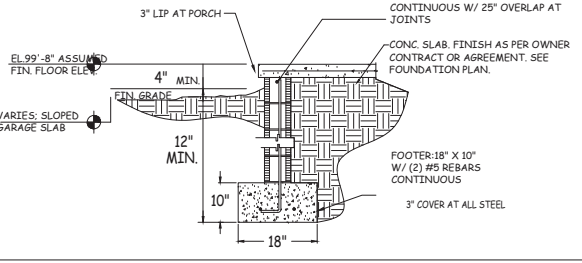
F BEAM MID-WALL CONNECTION DETAIL 6" BEAM
SCALE: NONE



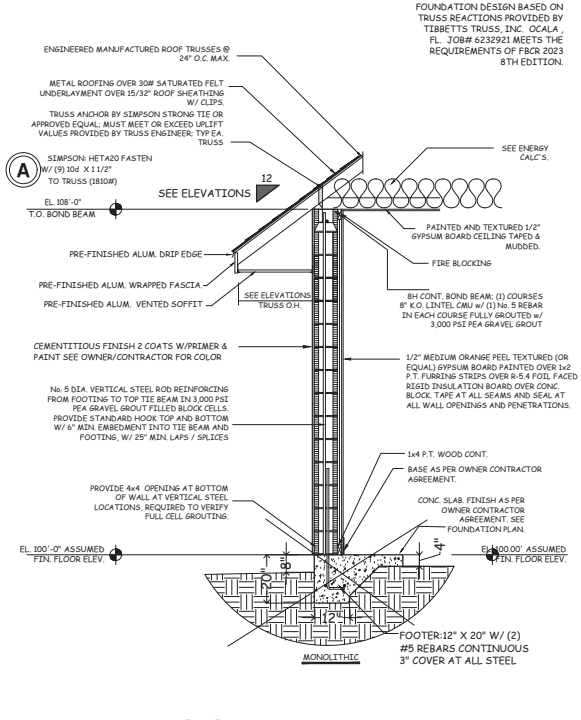
G SIMPSON POST BASE ABU66Z
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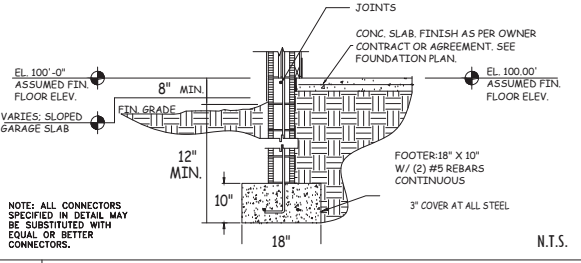
CONTRACTOR TO "X" THROUGH FOOTER DETAIL NOT BEING USED



2 6X6 COLUMNS FOR FRONT PORCH



CONTRACTOR TO "X" THROUGH FOOTER DETAIL NOT BEING USED



1 STD. SINGLE STORY MASONRY WALL SECTION

NOTE: DEPENDING ON GRADE - FOUNDATION FOOTER SIZE AND REBAR SPACING MAY CHANGE, SEE CHARTS SHEET 6.

Sections 1

SCALE: None

COUNTY/CITY SEAL

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Inco Residence
1943 N.E. 16th Street
PARCEL ID # 2594-005-007
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CUSTOMER

SHEET INDEX

DESIGNER
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Email: info@homedesignocala.com
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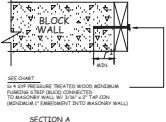
PROJECT ENGINEER

Harold Barrineau
Professional Engineer
No. 49447
STATE OF FLORIDA
Professional Engineer

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2004 S.W. 11th Street, Ocala, FL 34476
Phone: (352) 415-0288
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Email: info@hwbarrineau.com
www.hwbarrineau.com

DRAWN BY: FILE NAME:
DATE: REVISION:
SCALE: DATE:
1/8" = 1'-0" 1/8/24

4 OF **8**



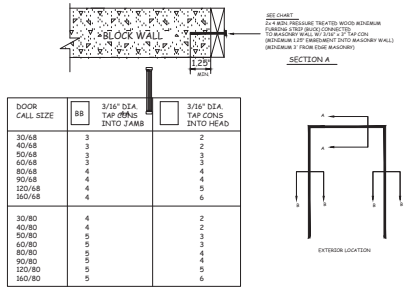
ASTM C 1063

Diamond-mesh expanded metal lath, flat-rib expanded metal lath, and wire lath shall be attached to horizontal wood framing members with 1 1/2-in. (38.1-mm) roofing nails driven flush with the plaster base and attached to vertical wood framing members with 6d common nails, or 1-in. (25-mm) roofing nails driven to a penetration of not less than 3/4 in. (19.1 mm), or 1-in. (25-mm) wire staples driven flush with the plaster base. Staples shall have crowns not less than 3/4 in. (19.05 mm) and shall engage not less than three strands of lath and penetrate the wood framing members not less than 3/4 in. (19.05 mm). When metal lath is applied over sheathing, use fasteners that will penetrate the structural members not less than 3/4 in. (19 mm). Expanded 3/8 in. (9.5 mm) rib lath shall be attached to horizontal and vertical wood framing members with nails or staples to provide not less than 1 3/4-in. (44.5-mm) penetration into horizontal wood framing members, and 3-4-in. (19.1-mm) penetration into vertical wood framing members. Common nails shall be bent over to engage not less than three strands of lath, or be bent over a rib when rib lath is installed. Screws used to attach metal plaster base to horizontal and vertical wood framing members shall penetrate not less than 5/8 inch.

FRAME HEIGHT (IN.)	FRAME WIDTH (IN.)											
	18.00		24.00		30.00		36.00		42.00		48.00	
	HEAD	JAMB	HEAD	JAMB	HEAD	JAMB	HEAD	JAMB	HEAD	JAMB	HEAD	JAMB
24.00	2	2	2	2	2	2	2	2	2	2	2	2
30.00	2	2	2	2	2	2	2	2	2	2	2	2
36.00	2	2	2	2	2	2	2	2	2	2	2	2
42.00	2	2	2	2	2	2	2	2	2	2	2	2
48.00	2	2	2	2	2	2	2	2	2	2	2	2
54.00	2	2	2	2	2	2	2	2	2	2	2	2
60.00	2	2	2	2	2	2	2	2	2	2	2	2
66.00	2	2	2	2	2	2	2	2	2	2	2	2
72.00	2	2	2	2	2	2	2	2	2	2	2	2

- GENERAL NOTES:
- WHERE THIS DRAWING CONFLICTS WITH OTHER INSTALLATION INSTRUCTIONS, THIS DRAWING SUPERCEDES.
 - WINDOW FRAME MATERIAL: ALLOW ALLOY 6063
 - WIND SPEED: 130 MPH
 - ALL LUMBER IN CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.
 - DESIGN REQUIRE CAPACITY: SEE CHART
 - SHIMS AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS; MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE WHERE SPACE GREATER THAN 1/16" IS PRESENT.
 - ALL INSTALLATION ANCHORS SHALL BE MADE OF CORROSION RESISTANT MATERIAL.
 - USE LATEX CAULK OR EQUIVALENT FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW.
 - ALL FACTORY APPLIED HOLES NOT DESIGNATED FOR TAP CON FASTENERS SHOULD BE FILLED WITH MS SCREWS OF SUFFICIENT LENGTH TO PROVIDE 2X MIN EMBEDMENT INTO WOOD JOINT.
 - IF EXACT WINDOW SIZE IS NOT LISTED IN ANCHOR CHART, USE ANCHOR QUANTITY LISTED WITH NEXT LARGER SIZE.
 - CONCRETE ANCHORS MUST BE OF SUFFICIENT LENGTH TO PROVIDE 1 1/4" MIN EMBEDMENT INTO MASONRY OR CONCRETE.
 - USE LATEX CAULK BEHIND WINDOW FLANGE AT JAMBS AND HEAD; SILL MUST BE ATTACHED TO SUBSTRATE WITH VULKEM 225 ADHESIVE CAULK OR APPROVED EQUAL.
 - LOCATE CONCRETE ANCHORS AT ALL UNITS AS FOLLOWS: WHERE CHART INDICATES (1) ONE CONCRETE ANCHOR IN JAMBS; LOCATE ANCHOR AT MEETING HOLE NEAR SILL; WHERE CHART INDICATES (2) TWO ANCHORS INTO HEAD OR JAMBS; LOCATE ANCHORS BETHWEN OF FRAME CORNERS.
 - GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E2300 GLASS CHARTS.
 - SHIMS: GLASS TO BE SHOWN; INSULATION: GLASS ALLOW QUALITIES.

1 WINDOW FRAME/MASONRY BUCK CONNECTION



DOOR/COLL. SIZE	BB	3/16" DIA. TAP INTO JAMB	3/16" DIA. TAP INTO HEAD
30/8	3	2	2
40/8	3	3	3
50/8	3	3	3
60/8	4	4	4
80/8	4	4	4
100/8	4	5	5
120/8	4	5	5
160/8	4	6	6

- GENERAL NOTES:
- WHERE THIS DRAWING CONFLICTS WITH OTHER INSTALLATION INSTRUCTIONS, THIS DRAWING SUPERCEDES.
 - 1" MIN EMBEDMENT OF TAP CON REQUIRED.
 - WIND SPEED 130 MPH
 - ALL LUMBER IN CONTACT WITH MASONRY SHALL BE PRESSURE TREATED.
 - DESIGN REQUIRE CAPACITY: SEE CHART
 - SHIMS AS REQUIRED AT EACH SET OF INSTALLATION ANCHORS USING LOAD BEARING SHIMS; MAXIMUM ALLOWABLE SHIM STACK TO BE 1/4". USE SHIMS WHERE WHERE SPACE GREATER THAN 1/16" IS PRESENT.
 - ALL INSTALLATION ANCHORS SHALL BE MADE OF CORROSION RESISTANT MATERIAL.
 - USE LATEX CAULK OR EQUIVALENT FOR PERIMETER SEAL AROUND EXTERIOR OF DOOR.
 - MAX ALLOWABLE SPACING BETWEEN REQUIRED ANCHORS SHALL BE MAXIMUM OF 24" INCHES. (FASTENERS MAY BE STAGGERED)
 - GLASS IF INSTALLED IN DOORS SHALL MEET ASTM E2300 GLASS CHARTS.

2 DOOR FRAME/MASONRY BUCK CONNECTION

3 EXTERIOR PLASTER/LATH INSTALLATION

MINIMUM THICKNESS AND APPLICATION OF GYPSUM BOARD

MINIMUM THICKNESS OF GYPSUM BOARD (Inches)	APPLICATION	OBSERVATION OF GYPSUM BOARD TO FINISH	MINIMUM SPACING OF FASTENERS (Inches o.c.)		SIZE OF NAILS FOR APPLICATION TO WOOD FRAMING (x)	
			Nails (x)	Screws (x)		
Application without adhesive						
3/8"	Ceiling	Perpendicular	16	7	12	16 gage, 1 1/4" long, 19/64" head; 5/16" diameter.
	Wall	Other direction	16	8	16	16 gage, 1 1/4" long, 19/64" head; 5/16" diameter, 1 3/8" long, 7/32" head.
1/2"	Ceiling	Other direction	16	7	12	16 gage, 1 3/8" long, 19/64" head; 5/16" diameter.
	Ceiling	Perpendicular	24	7	12	1 1/4" long, annular-riped; 5/16" diameter, 1 3/8" long, 19/64" head; or gypsum board not less than 5/8" thick.
	Wall	Other direction	24	8	12	16 gage, 1 3/8" long, 19/64" head; 5/16" diameter, 1 3/8" long, 9/32" head.
5/8"	Ceiling	Other direction	16	7	12	16 gage, 1 3/8" long, 19/64" head; 5/16" diameter.
	Ceiling	Perpendicular	24	7	12	1 3/8" long, annular-riped; 5/16" diameter, 1 7/8" long, 1/4" head; gypsum board not less than 5/8" thick.
	Wall	Other direction	16	8	16	16 gage, 1 3/8" long, 19/64" head.
Application with adhesive						
3/8"	Ceiling	Perpendicular	16	16	16	Same as above for 3/8" gypsum board.
	Wall	Other direction	16	16	24	
1/2"	Ceiling	Other direction	16	16	16	Same as above for 1/2" and 5/8" gypsum board, respectively.
	Ceiling	Perpendicular	24	12	16	
1/2" or 5/8"	Wall	Other direction	24	16	24	
	Wall	Other direction	24	16	24	
1/2" (3) or 5/8"	Ceiling	Perpendicular	16	16	16	Item ply nailed on above for 1/2" gypsum board; face ply finished with adhesive.
	Wall	Other direction	24	24	24	

(3) For application without adhesive, a pair of nails spaced not less than 2 inches apart or more than 24 inches apart may be used on the ends of walls, ceilings, and soffits. Screws for attaching gypsum board to structural insulated panels shall penetrate the wood structural panel facing not less than 7/16 inch. (4) Where conditions other than leveling or sheathing require design to maintain walls for two edges of metal, the nails shall be not less than 3/8 inch longer than the gypsum board thickness and shall have ringed shanks. Where the wall-former shall framing, have a ceiling gypsum board to receive the nails, the nails shall have hooked shanks or be 3/4, 1 1/2 gage, 19/16 inches long, 19/64-inch head for 1/2-inch gypsum board and 5/8, 1 1/2 gage, 17/16 inches long, 19/64-inch head for 5/8-inch gypsum board. (5) Three-quarter-inch thick gypsum board shall not be used on a ceiling where a water-based finishing is to be installed, unless the gypsum board shall be applied perpendicular to framing. When applying a water-based finish to be installed, the minimum gypsum board thickness shall be increased from 1/2 inch to 1/2 inch for 16-inch or wider framing, and from 1/2 inch to 5/8 inch for 24-inch or wider framing or 1/2-inch unacrossed gypsum ceiling board shall be used. (6) Type X gypsum board for garage ceiling beneath habitable rooms shall be finished perpendicular to the ceiling framing and shall be finished of maximum 8 inches o.c. by minimum 17/8 inches 6d coated nails or equivalent drywall screws.

4 GYPSUM APPLICATION

Sections 2

SCALE=None

COUNTY/CITY SEAL

City of Ocala, Florida
 Inco Residence
 1343 N.E. 16th Street
 PARCEL ID # 2594-005-007
 352-425-7686

CUSTOMER

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- FLOOR FAMILIARIZATION
- FOUNDATION PLAN
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- SECTION 2
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- SECTION 5
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- SECTION 100

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PRELIMINARY DESIGN	
DOCUMENT REVISION 1	
DOCUMENT REVISION 2	
DOCUMENT FINAL	

DESIGNER

Home Design Ocala
 1030 SW 9th Court
 Ocala, Florida 34476
 Phone: 352-425-7686
 Email: info@homedesignocala.com

PROJECT ENGINEER



Harold Barneau

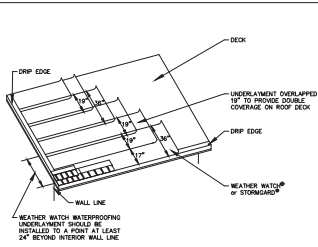
H.W. Barneau & Associates, Inc.
 1030 SW 9th Court
 Ocala, Florida 34476
 Phone: 352-425-7686
 Email: info@homedesignocala.com

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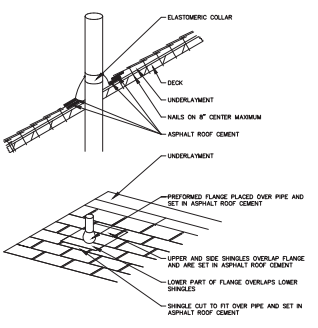
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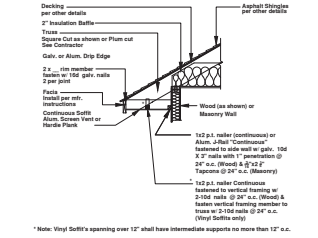
5 OF 8



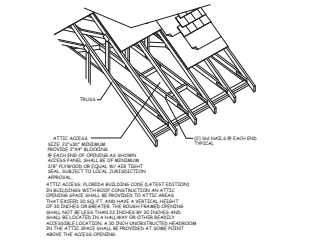
A STRIP SHINGLES ON LOW SLOPES



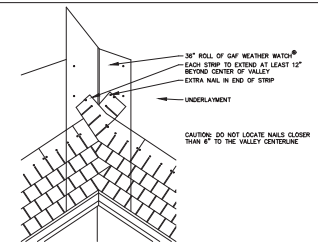
E SHINGLES AROUND ROOF VENT



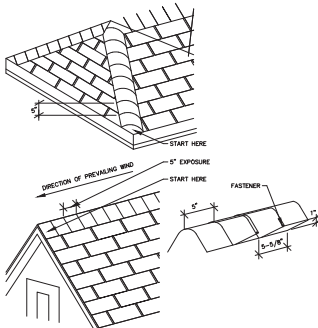
I SOFFIT DETAIL



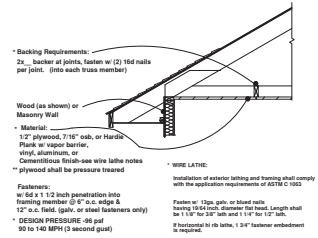
K ATTIC ACCESS DETAIL



B WOVEN VALLEY CONSTRUCTION



F HIP AND RIDGE SHINGLES



J PORCH CEILING FINISH

TABLE R903.2.1 METAL FLASHING MATERIAL

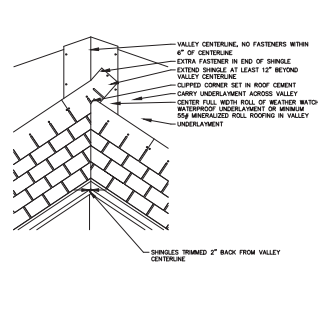
MATERIAL	GAGE MINIMUM THICKNESS	GAGE	WEIGHT (lbs per sq ft)
Copper	0.024	1 (16 oz)	
Aluminum	0.024		
Stainless steel	28		
Galvanized steel	0.0179	26 (zinc coated G90)	26 (zinc coated G90)
Aluminum zinc coated steel	0.0179	26 (AZ50 alum zinc)	26 (AZ50 alum zinc)
Zinc alloy	0.027		
Lead	2.5 (40 oz)		
Painted ferrous	1.25 (20 oz)		

L FLASHING

Classification of Asphalt Shingles

Maximum Basic Wind Speed, Vult. From Figure R301.2.1.3	Void as determined in accordance with Section R301.2.1.3	ASTM D 7158	ASTM D 3161
110	85	D, G, or H	D or F
116	90	D, G, or H	D or F
120	100	D, G, or H	D or F
142	110	G or H	F
155	120	G or H	F
188	130	H	F
191	142	H	F
194	150	H	F

C SHINGLE CLASSIFICATION



G CLOSED CUT VALLEY CONSTRUCTION

Asphalt Shingles: shall have self seal strips or be interlocking, and comply with ASTM D 225 OR D 3462.

Fasteners: Fasteners for asphalt shingles shall be galvanized steel, stainless steel, aluminum or copper roofing nails, minimum 12 gage shank with a minimum 3/8" diameter head. Nails 15627 of 2" length to extend thru the roofing sheathing to a minimum of 3/4" into the roof sheathing. Where the roof sheathing is less than 3/4" thick, the fastener shall penetrate through the sheathing. Fasteners shall comply with ASTM F 1667.

Attachment: Asphalt shingles shall have a minimum of 6 fasteners as required by the manufacturer.

D ROOFING CONNECTIONS

UNDERLAMENT APPLICATION: FOR ROOF SLOPES FROM 2:12 UP TO 4:12, UNDERLAMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

- STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- STARTING AT THE EAVE, A 36 INCH STRIP OF UNDERLAMENT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- FOR ROOF PITCHES 4:12 OR GREATER SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER: UNDERLAMENT SHALL BE APPLIED SINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 4 INCHES FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OVERLAP 6 INCH.

FLASHING: BASE AND COUNTER FLASHING: BASE AND COUNTER FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OR MINERAL SPIRITS RESISTING SHEETING WITH A MINIMUM OF 7 LB PER 100 SQ FT. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL 0.019 INCH THICKNESS.

VALLEYS: VALLEY LINING SHALL BE INSTALLED IN ACCORDANCE WITH THE VALLEY MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

- FOR OPEN VALLEYS (VALLEY LINING EXPOSED) LINED WITH METAL: COPPER (0.016 PER 100 SQ FT); ALUMINUM (0.024 MIN. THICKNESS); STAINLESS STEEL (24 GA.); GALVANIZED (0.0179 MIN. THICKNESS) (26 GA. ZINC COATED G90); ZINC ALLOY LEAD PAINT FREE (0.02 MIN. THICKNESS) (LEAD 40 OZ.)

DRIP EDGE SECTION: DRIP EDGE SHALL BE PROVIDED AT EAVES AND GABLE ENDS OF SHINGLE ROOFS, AND OVERLAPPED A MINIMUM OF 2 INCHES. EAVE DRIP EDGES SHALL EXTEND A 1/4 INCH BELOW SHEATHING AND EXTEND BACK ON ROOF A MINIMUM OF 2 INCHES. DRIP EDGES SHALL BE MECHANICALLY FASTENED A MAXIMUM OF 12 INCHES O.C.

CRICKETS SECTION: THE CRICKET SHALL BE INSTALLED ON THE RIDGE EDGE OF A ANY CHIMNEY GREATER THAN 30 INCHES WIDE. CRICKET COVERING SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF COVERING.

ATTIC ACCESS: ATTIC SPACES SHALL BE PROVIDED WITH AN INTERIOR ACCESS OF 22 x 30 INCHES. ACCESS IS NOT REQUIRED WHEN THE CLEAR HEIGHT OF THE ATTIC SPACE, MEASURED AT THE ROOF PEAK, IS LESS THAN 30 INCHES OR AREAS THAT DO NOT EXCEED 30 SQ.

ROOF VENTILATION: THE RATIO OF TOTAL NET FREE VENTILATING AREA TO THE AREA OF THE CEILING SHALL BE NOT LESS THAN 1/50. THAT RATIO MAY BE REDUCED TO 1/60 PROVIDED:

- A VAPOR BARRIER HAVING A PERFORMANCE NOT EXCEEDING 1 PERM IS INSTALLED ON THE WARM SIDE OF THE CEILING.
- AT LEAST 50% BUT NOT MORE THAN 80% OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE (AT LEAST 7' ABOVE LEAVE OR CORNER VENTS), WITH THE BALANCE OF THE REQUIRED VENTILATION PROVIDED BY LEAVE OR CORNER VENTS.

SEE FOUNDATION SHEET (BUILDING SECTION) FOR ADDITIONAL INFORMATION.

TRUSS MFR. SHALL FURNISH DESIGN CALC'S, DRAWINGS, AND ERECTION PLAN, SIGNED & SEALED BY A REGISTERED FLORIDA ENGINEER.

TRUSSES SHALL BE BRACED PER F.R.C. 2020 7TH EDITION & TPI & BCSI 1-03 SECTION 13.2 & 13.2.3.

SISSOR TRUSSES SHALL BE BRACED CONTINUOUS @ 10' O.C., STD. TRUSSES CONTINUOUS @ 15' O.C.

MISSING UPLIFT STRAP: APPLY SIMPSON HTSM16 UPLIFT STRAP TO BOND BEAM W/ (5) 1/8" NAILS TO TRUSS & (4) 1/4" x 2 1/4" UHS TO CMU. UPLIFT 1175

WOOD: APPLY SIMPSON ITESA UPLIFT STRAP TO TOP PLATE W/ (5) 3/8" NAILS & TO TRUSS W/ (5) 3/8" NAILS. UPLIFT 600

DECKING FASTENING: Ring shank nails are required, the nail size depends on the sheathing thickness. Where the sheathing thickness is 15/32 inches and less, roof sheathing is required to be fastened with ASTM F1667 RSRS-01 (2 3/8" x 0.113") nails. Where the sheathing thickness is greater than 15/32 inches, roof sheathing is required to be fastened with ASTM F1667 RSRS-G1 (2 1/2" x 0.131") nails or ASTM F1667 RSRS-04 (3" x 0.120") nails. The RSRS designation indicates the fastener is a ring shank roof sheathing nail.

H ROOF NOTES

TABLE R803.2.3.1 7th Edition (2020) FBCR ROOF SHEATHING ATTACHMENT¹⁾

Rafter/Truss Spacing 24 in. o.c.	WIND SPEED															
	115 mph		120 mph		130 mph		140 mph		150 mph		160 mph		170 mph		180 mph	
	E	F	E	F	E	F	E	F	E	F	E	F	E	F	E	F
Rafter/Truss SG = 0.42	6	6	6	6	6	6	6	6	6	6	4	4	4	4	4	4
Rafter/Truss SG = 0.49	6	12	6	12	6	6	6	6	6	6	6	6	6	6	6	6
Rafter/Truss SG = 0.42	6	6	6	6	6	6	6	6	6	6	4	4	4	4	3	3
Rafter/Truss SG = 0.49	6	6	6	6	6	6	6	6	6	6	6	6	6	6	4	4
Rafter/Truss SG = 0.42	6	6	6	6	4	4	4	4	4	4	3	3	3	3	3	3
Rafter/Truss SG = 0.49	6	6	6	6	6	6	6	6	6	6	4	4	4	4	4	4

E = Nail spacing along panel edges (inches)

F = Nail spacing along intermediate supports in the panel field (inches)

1. a. For sheathing located a minimum of 4 feet from the perimeter edge of the roof, including 4 feet on each side of ridges and hips, nail spacing is permitted to be 6 inches on center along panel edges and 6 inches on center along intermediate supports in the panel field.

2. b. Where rafter/truss spacing is less than 24 inches on center, roof sheathing fastening is permitted to be in accordance with the AWC WFCM or the AWC NDS.

TABLE R803.2.2 MINIMUM ROOF SHEATHING THICKNESS

Rafter/Truss Spacing 24 in. o.c.	WIND SPEED						
	115 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph
Minimum Sheathing Thickness, inches (Panel Span Rating)	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)
Exposure B							
Minimum Sheathing Thickness, inches (Panel Span Rating)	7/16 (24/16)	7/16 (24/16)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)
Exposure C							
Minimum Sheathing Thickness, inches (Panel Span Rating)	15/32 (32/16)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	19/32 (40/20)	23/32 (48/24)	23/32 (48/24)
Exposure D							

COUNTY/CITY SEAL

City of Ocala, Florida
 Insko Residence
 1343 N.E. 16th Street
 PARCEL ID #: 2594-005-007
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CUSTOMER

1 COVER
 2 FLOOR PLAN/MECHANICALS
 3 FOUNDATION SECTION
 4 SECTIONS
 5 SECTION
 6 ROOF LAYOUT
 7 ROOF SECTIONS
 8 ELECTRICAL LAYOUT

SHEET INDEX

PRELIMINARY DESIGN
 DOCUMENT REVISION 1
 SECTION
 DOCUMENT REVISION 2
 DOCUMENT FINAL

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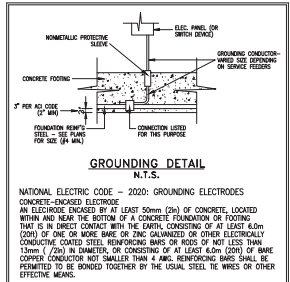
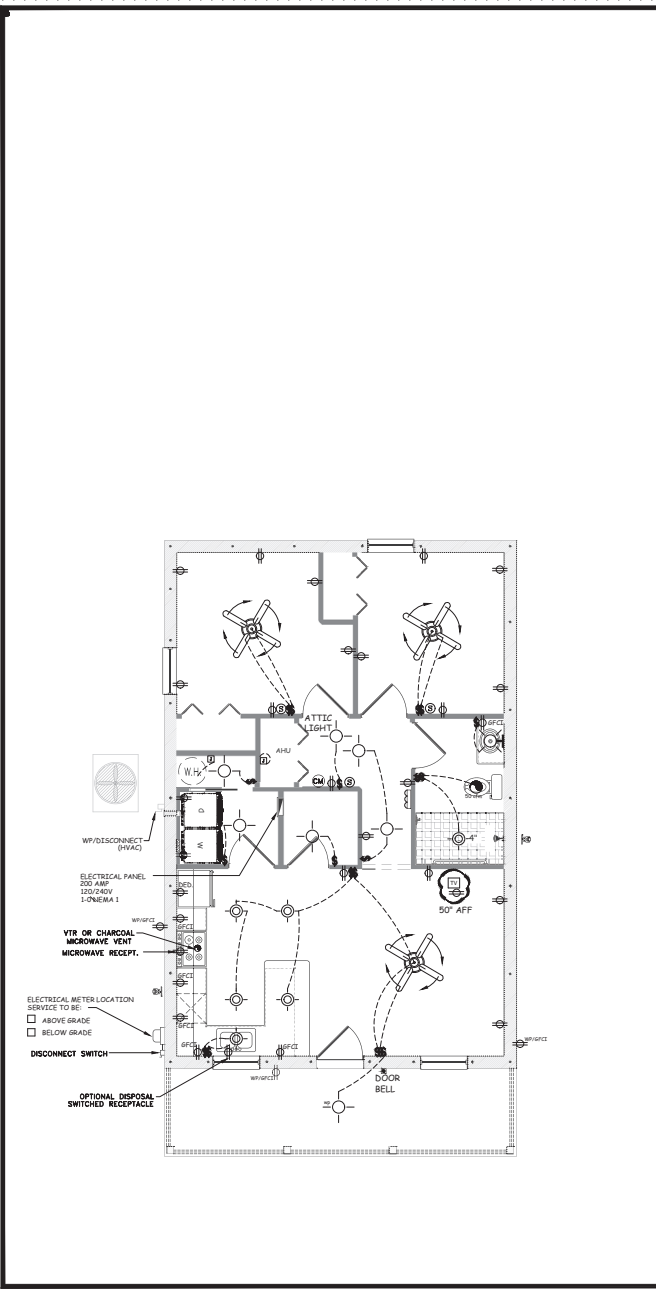
Harold Barneau
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 STATE OF FLORIDA
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DRAWN BY: FILE NAME:
 HBS: HBS02
 SCALE: DATE:
 1/8" = 1'-0" 1/24

7 OF 8

Roof Notes



Electrical Layout

1/4" = 1'-0"

Electrical Legend

SYMBOL	DESCRIPTION
⚡	SINGLE POLE SWITCH
⚡	3 WAY SWITCH
⚡	DUPLEX OUTLET
⚡	220 VOLT OUTLET
⚡GFI	DUPLEX OUTLET W/GROUND FAULT INTERRUPTER
⚡GFI/WP	DUPLEX OUTLET W/GROUND FAULT INTERRUPTER (WEATHER PROOF)
⚡	FLOOR MOUNTED RECEPT
♻️	GARBAGE DISPOSAL
🔔	DOOR BELL OR GARAGE DOOR OPENER
📺	TELEVISION CABLE OUTLET
🌀	RELEASE HOOD VENT FAN
🔥	SMOKE DETECTOR
📦	JUNCTION BOX
🌡️	THERMOSTAT
📞	TELEPHONE JACK
🚰	SECURITY FLOOD LIGHT (MOTION SENSOR OPTIONAL)
📦	ELECTRICAL PANEL BOX, NEMA 1
⚡	QUAD GFCI RECEPTACLE

SYMBOL	DESCRIPTION
🔔	DOOR CHIME
⚡	RECESSED CAN LIGHT FIXTURE/MOISTURE SEAL
⚡	CEILING LIGHT FIXTURE
⚡	RECESSED CANISTER LIGHT W/ EXHAUST FAN
⚡	RECESSED CAN LIGHT FIXTURE
⚡	WALL MOUNTED LIGHT FIXTURE
⚡	SURFACED MOUNTED FLUORESCENT LIGHT FIXTURE
⚡	CABINET LIGHT
🚰	WATER HEATER
🔥	CARBON MONOXIDE DETECTOR
📞	PENDANT LIGHT
⚡	POWER DISCONNECT
⚡	COMPUTER
⚡	POWER DISCONNECT AND ELECTRICAL METER
🌀	CEILING J-BOX W/SUPPORT MEMBER FOR CEILING FAN
🌀	PADDLE FAN BOXES USED FOR THE SOLE SUPPORT OF CEILING FANS SHALL BE MARKED BY THE MANUFACTURER AS SUITABLE FOR THE PURPOSE, AND INDICATE THE WEIGHT LIMITATIONS BUT SHALL NOT BE USED TO SUPPORT PADDLE FANS HEAVIER THAN 70 LBS.

Electrical Notes

- ALL CIRCUITS AND EQUIPMENT SHALL BE GROUNDED IN ACCORDANCE WITH THE APPROPRIATE ARTICLES OF THE NATIONAL ELECTRIC CODE (NEC).
 - WHEN LIGHT FIXTURES ARE INSTALLED IN CLOSETS THEY SHALL BE SURFACE MOUNTED OR RECESSED. INCANDESCENT FIXTURES SHALL HAVE COMPLETELY ENCLOSED LAMPS. SURFACE MOUNTED INCANDESCENT FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 12 INCHES AND ALL OTHER FIXTURES SHALL HAVE A MINIMUM CLEARANCE OF 6 INCHES FROM "STORAGE AREA" AS DEFINED BY THE N.E.C.
 - WHEN WATERHEATERS ARE INSTALLED THEY SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE WATER HEATERS SERVED. THE BRANCH CIRCUIT SWITCH OR CIRCUIT BREAKER SHALL BE PERMITTED TO SERVE AS THE DISCONNECTING MEANS ONLY WHERE THE SWITCH OR CIRCUIT BREAKER IS WITHIN SIGHT FROM THE WATER HEATER OR IS CAPABLE OF BEING LOCKED IN THE OPEN POSITION.
 - H.V.A.C. EQUIPMENT SHALL BE PROVIDED WITH READILY ACCESSIBLE DISCONNECTS ADJACENT TO THE EQUIPMENT SERVED. A LIGHT SWITCH WITH A MARKED "OFF" POSITION THAT IS A PART OF THE H.V.A.C. EQUIPMENT AND DISCONNECTS ALL UNGROUNDED CONDUCTORS SHALL BE PERMITTED AS THE DISCONNECTING MEANS WHERE OTHER DISCONNECTING MEANS ARE ALSO PROVIDED BY A READILY ACCESSIBLE CIRCUIT BREAKER.
 - BEFORE TO ENTERING THE ELECTRICAL SYSTEM THE INTERRUPTING RATING OF THE MAIN BREAKER MUST BE DESIGNED AND VERIFIED AS BEING IN COMPLIANCE WITH SECTION OF THE N.E.C. BY LOCAL ELECTRICAL CONSULTANT.
 - THE MAIN ELECTRICAL PANEL FEEDER IS DESIGNED AND INSTALLED BY OTHERS, SUBJECT TO LOCAL JURISDICTION APPROVAL.
 - THE OWNER/CONTRACTOR RESERVES THE RIGHT TO ALTER ELECTRICAL FIXTURE LOCATIONS DURING CONSTRUCTION SUBJECT TO LOCAL JURISDICTION APPROVAL.
 - ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORES, LIBRARIES, DEN'S, BEDROOMS, SUNROOMS, RECREATIONS ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY A COMBINATION TYPE ARC-FAULT CIRCUIT INTERRUPTER INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT.
 - ALL SWITCH LOCATIONS TO ALLOW FOR 3.5" DOOR CASING.
 - ALL 15 & 20 AMP, 120 VOLT RECEPTACLES IN GARAGE SHALL BE GFCI PROTECTED THIS INCLUDES DEDICATED AND CEILING MOUNT RECEPTACLES. THERE ARE NO EXCEPTIONS.
 - AT LEAST THREE QUARTERS OF ALL LAMPS INSTALLED IN LIGHT FIXTURES SHALL BE HIGH EFFICIENCY LAMPS PER (90-05-404.1)
 - CARBON MONOXIDE PROTECTION: EVERY SEPARATE BUILDING OR AN ADDITION TO AN EXISTING BUILDING OR A REAR PORCH FOR NEW INSTALLATION, AN ATTACHED GARAGE, OR OTHER FUELS-BURNING HEATER OR APPLIANCE, A FEATURE, FIXTURE, OR ELEMENT THAT EMITS CARBON MONOXIDE AS A BYPRODUCT OF COMBUSTION SHALL HAVE AN OPERATIONAL CARBON MONOXIDE ALARM INSTALLED WITHIN 10 FEET (3048 MM) OF EACH ROOM USED FOR SLEEPING PURPOSES.
 - SMOKE DETECTOR AND CARBON MONOXIDE DETECTORS MAY NOT BE LOCATED WITHIN 3'-0" OF BATH ROOM DOORS INFA 72 SECTION 29A.3.4 (5).
 - SMOKE DETECTOR MAY NOT BE LOCATED WITHIN 3'-0" OF CEILING FAN BLADES.
 - WET/DENY ISLAND WORK SPACES: ELECTRICAL CONDUIT TO BE 4 INCHES OF CONCRETE PER BE INSTALLED UNDER A MINIMUM NEC 1300.5/FBC TABLE E3803.1
 - ALL RECEPTACLES LOCATED IN THE GARAGE SHALL BE GFCI PROTECTED, SUBJECT TO LOCAL JURISDICTION APPROVAL.
 - ALL BEDROOMS SHALL BE EQUIPPED WITH SMOKE DETECTOR DEVICE HARD WIRED AND SHALL BE LOCATED IN BEDROOMS AND OUTSIDE OF BEDROOM DOORS IN HABITABLE SPACE, SUBJECT TO LOCAL JURISDICTION APPROVAL.
 - INTERSYSTEM BONDING TERMINATION SHALL COMPLY WITH 2002 FBC SECTION E909.3.
 - GAS PIPING SHALL BE BONDED PER SECTION G2411 (ELECTRICAL BONDING).
 - EMERGENCY WORKING CLEARANCES FOR ENERGIZED EQUIPMENT AND PANEL BOARDS: EXCEPT AS OTHERWISE SPECIFIED IN CHAPTER 94 THROUGH 45, THE CLEARANCE OF THE WORKING SPACE IN THE DIRECTION OF ACCESS TO PANEL BOARDS AND LIVE PARTS SHALL BE TO REQUIRE: OPERATOR, ADJUTANT, SENSORS OR MAINTENANCE SHALL BE MAINTAINED. CLEARANCE SHALL NOT BE LESS THAN 36 INCHES (914 MM) IN HEIGHT. OPERATOR SHALL BE MAINTAINED FROM THE OPERATED PANELS AND WHERE SUCH PARTS ARE EXPOSED ON FROM THE ENCLOSURE FRONT OR OPENING, THESE SUCH PARTS SHALL BE MAINTAINED FROM THE OPERATED PANELS AND WHERE SUCH PARTS ARE EXPOSED ON FROM THE ENCLOSURE FRONT OR OPENING, THESE SUCH PARTS SHALL NOT BE LESS THAN 30 INCHES (762 MM) WIDE IN FRONT OF THE ELECTRICAL EQUIPMENT AND NOT LESS THAN THE HEIGHT OF SUCH EQUIPMENT. IN ALL CASES, THE WORK SPACE SHALL ALSO BE AT LEAST A 90-DEGREE (1.57 RAD) OPENING OF EQUIPMENT DOORS OR Hinged PANELS. EQUIPMENT ASSOCIATED WITH THE ELECTRICAL INSTALLATION LOCATED ABOVE OR BELOW THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO EXTEND NOT MORE THAN 6 INCHES (152 MM) BEYOND THE FRONT OF THE ELECTRICAL EQUIPMENT.
- EXCEPTIONS:
- IN EXISTING DWELLING UNITS, SERVICE EQUIPMENT AND PANELBOARDS THAT ARE NOT RATED IN EXCESS OF 200 AMPERES SHALL BE PERMITTED IN SPACES WHERE THE HEIGHT OF THE WORKING SPACE IS LESS THAN 4.5 FEET (1367 MM).
 - METERS THAT ARE INSTALLED IN METER SOCKETS SHALL BE PERMITTED TO EXTEND BEYOND THE OTHER EQUIPMENT. METER SOCKETS SHALL NOT BE EXEMPT FROM THE REQUIREMENTS OF THIS SECTION.
 - PADDLE FAN BOXES USED FOR THE SOLE SUPPORT OF CEILING FANS SHALL BE MARKED BY THE MANUFACTURER AS SUITABLE FOR THE PURPOSE AND INDICATE THE WEIGHT LIMITATIONS BUT SHALL NOT BE USED TO SUPPORT PADDLE FANS HEAVIER THAN 70 LBS.
 - 15 FIFTEEN- AND 20-AMPERE RECEPTACLES IN WET LOCATIONS: RECEPTACLES SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER OR NOT THE ATTACHMENT PLUG CAP IS INSERTED. 125- AND 250-VOLT NON-LOCKING RECEPTACLES INSTALLED IN WET LOCATIONS SHALL BE A LISTED WEATHER-RESISTANT TYPE.
 - OTHER RECEPTACLES IN WET LOCATIONS: WHERE A RECEPTACLE OTHER THAN A 15- OR 20-AMP, 125- OR 250-VOLT RECEPTACLE IS INSTALLED IN A WET LOCATION AND WHERE THE PRODUCT INTENDED TO BE PLUGGED INTO IT IS WEATHERPROOF, THE RECEPTACLE SHALL BE WEATHERPROOF. WHERE SUCH RECEPTACLE IS WEATHERPROOF BOTH WHEN THE ATTACHMENT PLUG CAP IS INSERTED AND WHEN IT IS REMOVED, WHERE SUCH RECEPTACLE IS INSTALLED IN A WET LOCATION AND WHERE THE PRODUCT INTENDED TO BE PLUGGED INTO IT WILL BE ATTENDED WHILE IN USE, THE RECEPTACLE SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHEN THE ATTACHMENT PLUG CAP IS REMOVED.
 - FBC-4002.9 NEC 406.9(8) RECEPTACLES IN WET LOCATIONS: 15 AND 20 AMPERES, 125 AND 250 VOLT RECEPTACLES INSTALLED IN A WET LOCATION SHALL HAVE AN ENCLOSURE THAT IS WEATHERPROOF WHETHER THE ATTACHMENT PLUG CAP IS INSERTED OR NOT. ALL 15 AND 20 AMPERES, 125 AND 250 VOLT NON-LOCKING RECEPTACLES SHALL BE WEATHER-RESISTANT TYPE WR.
 - FBC-4002.14 NEC 406.12 TAMPER-RESISTANT RECEPTACLES IN DWELLING UNITS, IN ALL AREAS SPECIFIED IN 210.52, ALL 125-VOLT, 15 AND 20 AMPERE RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES.
 - 4002.14 TAMPER-RESISTANT RECEPTACLES: IN AREAS SPECIFIED IN SECTION E901.1, 125-VOLT, 15- AND 20-AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES. EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS SHALL NOT BE REQUIRED TO BE TAMPER RESISTANT:
 - RECEPTACLES LOCATED MORE THAN 5.5 FEET (1676 MM) ABOVE THE FLOOR.
 - RECEPTACLES THAT ARE PART OF A LUMINAIRE OR APPLIANCE.
 - A SINGLE RECEPTACLE FOR A SINGLE APPLIANCE OR A DUPLEX RECEPTACLE FOR TWO APPLIANCES WHERE SUCH RECEPTACLES ARE LOCATED IN SPACES DEDICATED FOR THE APPLIANCES SERVED AND UNDER CONDITIONS OF NORMAL USE, THE APPLIANCES ARE NOT CONSIDERED FROM ONE PLACE TO ANOTHER. THE APPLIANCES SHALL BE CORD-AND-PLUG-CONNECTED TO SUCH RECEPTACLES IN ACCORDANCE WITH SECTION E3004.4.
 - NEC 680.71: HYDROMASSAGE TUBS SHALL BE ON A DEDICATED GFI PROTECTED CIRCUIT.
 - NEC 680.73: HYDROMASSAGE TUB ELECTRICAL EQUIPMENT SHALL BE ACCESSIBLE WITHOUT HAVING TO CHANGE THE WALL. IF UNIT IS SELF-CONTAINED AND CORDS AND PLUGS CONNECTED, THE OUTLET SHALL BE WITHIN 1' OF AND FACING THE ACCESS.
 - NEC 680.74: ALL METAL PIPING AND ALL GROUND METAL PARTS IN CONTACT WITH THE WATER SHALL BE BONDED TOGETHER WITH A MINIMUM # 8 GROUND COPPER CONDUCTOR ALSO USED FOR THE EQUIPOTENTIAL BONDING.
 - FBC-RESTORE: NEC 406.4(A) REQUIREMENT THAT YOU VERIFY THE PANEL TYPE AND PROVIDE A PANEL SCHEDULE OR CIRCUIT DIRECTORY LEGIBLY INDICATING THE SPECIFIC PURPOSE OF EVERY CIRCUIT.

National Electrical Code 2020 Edition

COUNTY/CITY/STATE

City of Ocala, Florida
 Insko Residence
 1943 N.E. 16th Street
 PARCEL ID # 2594-005-007
 352-425-7686

CUSTOMER	
1	FLOOR PLAN/MEASUREMENTS
2	FOUNDATION PLAN
3	SECTIONS
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5	ROOF LAYOUT
6	ROOF SECTIONS
7	ROOF SECTIONS
8	ELECTRICAL LAYOUT

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DOCUMENT FINAL	

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PROJECT ENGINEER

DRAWN BY: FILE NAME:
 10/05 10/05
 SCALE: DATE:
 1/4" = 1' 0" 1/24