

Compliance Summary

Roof: Gable Construction, Wood Trusses @ 24" O.C.
Walls: 2x 4 or 2x 6 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ #4 rebar @ 24" O.C. ea. way.
Foundation: Continuous monolithic footing or /Stem Wall foundation system

Material: 5/8" CD Plywood or O.S.B.
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Common or ring-shank nails per schedule on sheet S.4

Material: 1/2" CD Plywood or 7/16" O.S.B.
 Sheet Size: 48"x96" Sheets Placed Vertical, stagger each sheet.
 Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
 Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.
 Wall Studs: 2x4 Wood Studs @ 16" O.C.

Truss Anchors: SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS
 Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. top & Bot.
 Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 6" from corner
 Corner Hold-down Device: (1) DTT2Z (or equiv.) @ each corner
 Porch Column Base Connector: Simpson ABU66/ABU66 @ each column
 Porch Column to Beam Connector: Simpson EPC66/PC66 @ each column

Footings: 20"x 10" Cont. W/ (2) #5 Bars Cont. on chairs or (1) #3 Transverse @ 24" O.C.
Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE (7TH EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

BASED ON ANSI/ASCE 7-16, 2020 FBC 1609-A WIND VELOCITY: $V_{ULT} = 130$ MPH
 $V_{ASD} = 101$ MPH

SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF

SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL 40 PSF
BALCONIES 60 PSF

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".
EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FLOORED. FBC 1816.1.2
7. BOXED AREAS IN CONCRETE FORM FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER INSTALLATION, RETREATMENT IS REQUIRED. FBC 1816.1.4
9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1816.1.7
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

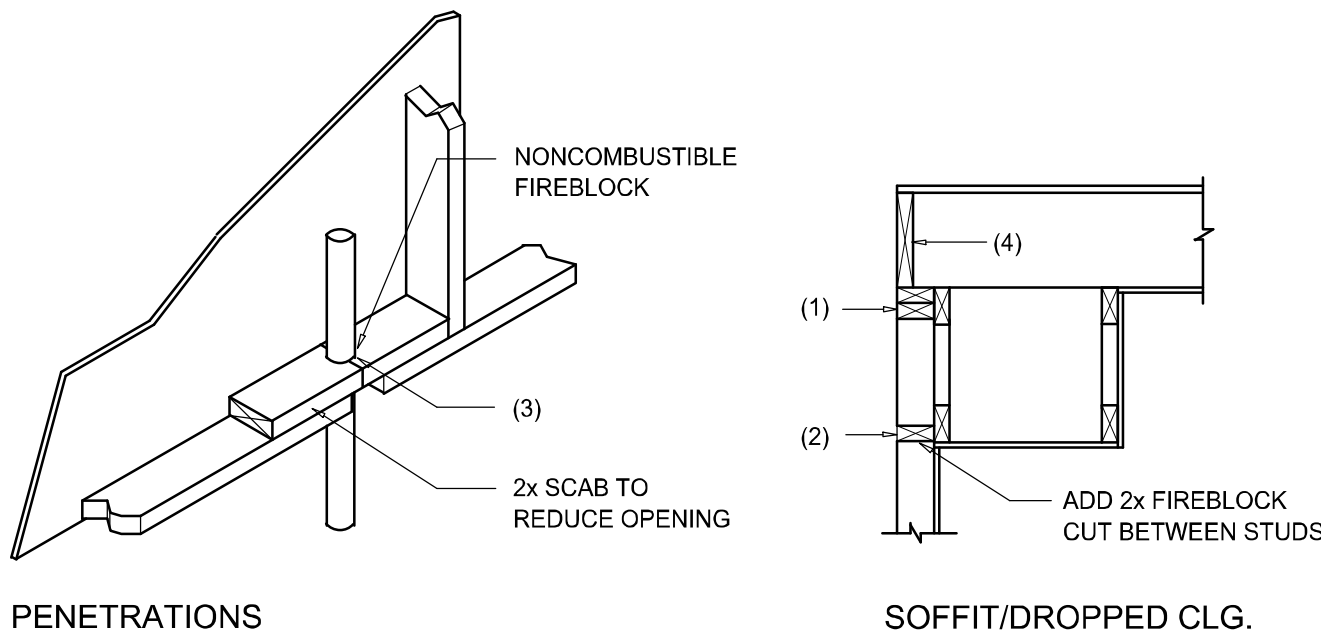
TRUSS TO WALL:
GIRDER TRUSS TO POST/HEADER:
HEADER TO KING STUD(S):
PLATE TO STUD:

SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS
SIMPSON LGT, W/ 28 - 16d NAILS
SIMPSON ST22
SIMPSON SP2

960#
1785#
1370#
1065#
585#
1700#
2200#
315#/240#

NOTE:
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH
SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:
"SEMCO" PRODUCT APPROVAL:
MIAMI/DADE COUNTY REPORT #95-0818.15
NOTE:
"SIMPSON" PRODUCT APPROVALS:
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04
SBCC1 NER-443, NER-393



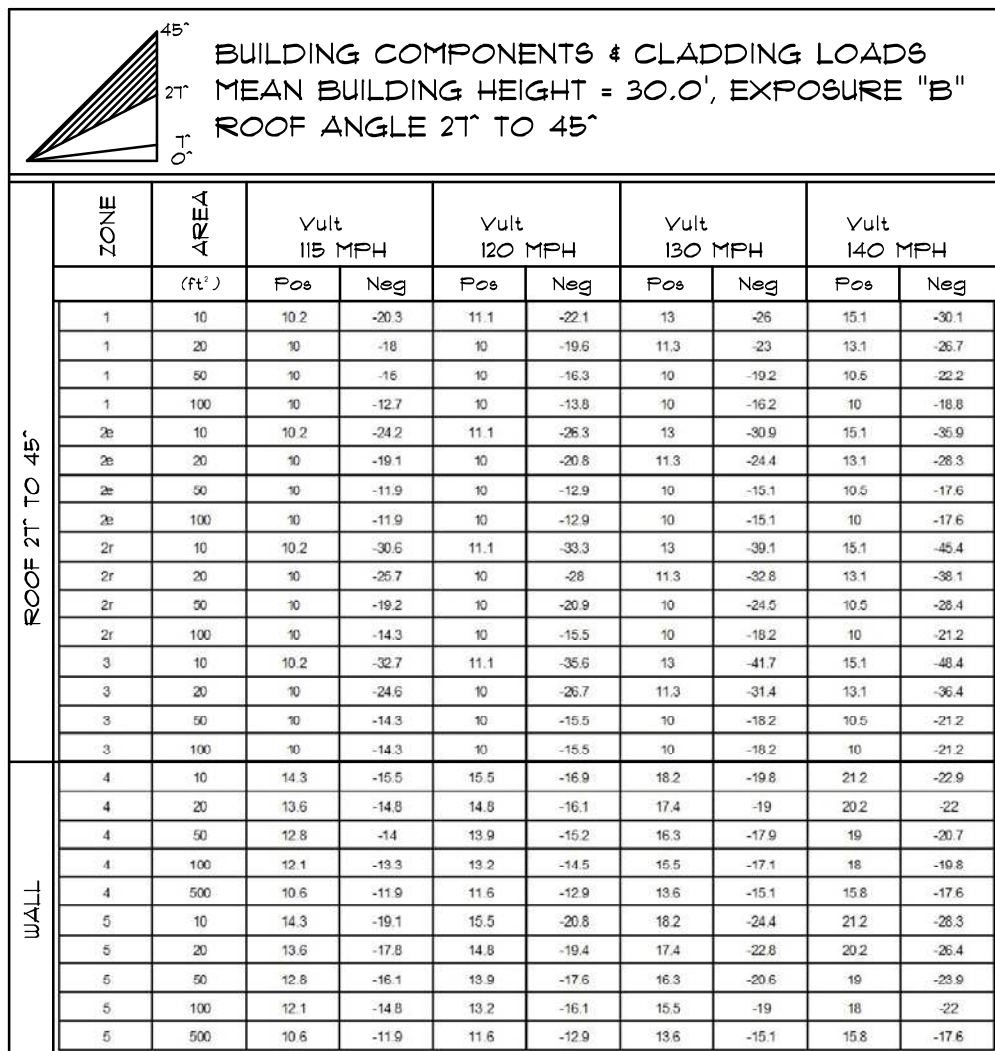
FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPAANEL MULTIFLEX SEALANT"
4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF STUD WALLS, FIREBAY JOISTS, FIREBAY SHEATHING PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND FOR THE SUPPORTS.

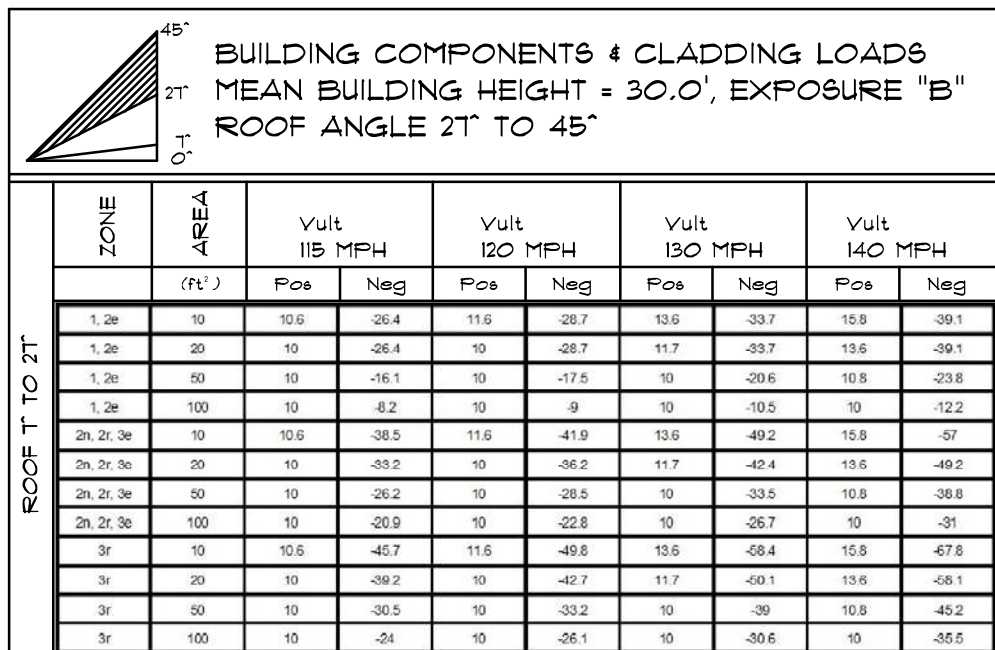
SCALE: NONE

A

NOTE: ALL DRAWINGS NOT TO BE SCALED, WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS



HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
BLDG HEIGHT (FT.)	EXPOSURE 'B'	EXPOSURE 'C'	EXPOSURE 'D'
15	.82	1.21	1.47
20	.88	1.28	1.55
25	.94	1.35	1.61
30	1.00	1.40	1.66



DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12
OR GREATER. PER R905, DOUBLE UNDERLAYMENT IS REQUIRED ON ROOF
SLOPES GREATER THAN 4/12.

UNDERLAYMENT:
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226
TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING
AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR D-MC PA 107-95.

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

1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFGR'S
INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION
RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL
SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE
FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM
NOMINAL THICKNESS OF 0.019 INCH.

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

1. FOR OPEN VALLEYS VALLEY LINING WITH METAL, THE VALLEY LINING SHALL BE
AT LEAST 18" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS
IN FBC TABLE 1507.3.9.2
2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PILES OF MINERAL SURFACE
ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18
INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
1. BOTH TYPES 1 AND 2 ABOVE, COINED
2. TYPE 3 SHINGLES WITH ROLL ROOFING AT LEAST 36 INCHES WIDE AND
COMPLYING WITH ASTM D 224.
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING
WITH ASTM D 1970.

NOTE !!!
ROOFSHINGLES SHALL BE AS MANUFACTURED BY "TAMKO
ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

GLASS-SEAL AR
ELITE GLASS-SEAL AR
HERITAGE 30 AR
HERITAGE 40 AR
HERITAGE 50 AR

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-316
TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING
4 NAILS/SHINGLE

<div> <div> <p>NICHOLAS PAUL GEISLER ARCHITECT</p> <p>1755 NW Brown Rd. Lake City, FL 32095 N.C.A.R.B. Certified (386) 365-4355</p> </div> <div> <p>REVISIONS</p> <table border="1"> <tr> <td>September 16, 2021</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> </div> </div>		September 16, 2021									
September 16, 2021											
<div> <div> <p>DETAILS SHEET</p> <p>SCALE: 1/4" = 1'-0"</p> </div> <div> <p>PROJECT ADDRESS: LOT 11, OAKS OF LAKE CITY, PHASE 1 (COLUMBIA COUNTY, FLORIDA)</p> </div> </div>											
<div> <div> <p>A NEW CUSTOM HOME FOR:</p> <p>RICHARD & ANN WRIGHT</p> </div> <div> <p>PROJECT ADDRESS: LOT 11, OAKS OF LAKE CITY, PHASE 1 (COLUMBIA COUNTY, FLORIDA)</p> </div> </div>											
<div> <div> <p>ARCHITECT</p> <p>NICHOLAS PAUL GEISLER ARCHITECT</p> <p>1755 NW Brown Rd. Lake City, FL 32095 N.C.A.R.B. Certified (386) 365-4355</p> </div> <div> <p>REVISIONS</p> <table border="1"> <tr> <td>September 16, 2021</td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> <tr> <td></td> <td></td> </tr> </table> </div> </div>		September 16, 2021									
September 16, 2021											
<div> <div> <p>DETAILS SHEET</p> <p>SCALE: 1/4" = 1'-0"</p> </div> <div> <p>PROJECT ADDRESS: LOT 11, OAKS OF LAKE CITY, PHASE 1 (COLUMBIA COUNTY, FLORIDA)</p> </div> </div>											
<div> <div> <p>A NEW CUSTOM HOME FOR:</p> <p>RICHARD & ANN WRIGHT</p> </div> <div> <p>PROJECT ADDRESS: LOT 11, OAKS OF LAKE CITY, PHASE 1 (COLUMBIA COUNTY, FLORIDA)</p> </div> </div>											