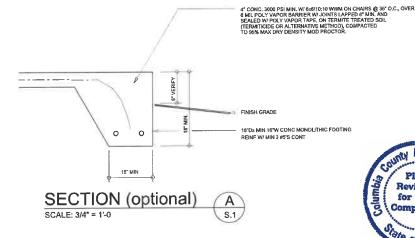
CONCRETE / MASONRY / **METALS GENERAL NOTES:**

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS TESTS AS SPECIFIED SHALL BE PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD.
 SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAIN 98% AS MEASURED BY A MODIFIED
 PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF
 BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 MIN. YEILD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX Fc = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX Fc = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACE-MENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH
- 8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
- 11. 2X4 P/T WOOD SILL, CONT., ALL AROUND, W/ 5/8"A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM
 EACH CORNER, E.A. WAY, & WITHIN 6" FROM ALL WALL
 OPENINGS / ENDS 1/2"- A.B. W/ 2" SQ. WASHERS ALONG
 EACH RUN @ 48" O. C. MAX. ALL ANOLOR BOLTS SHALL
 HAVE A MINIMUM OF 6" EMBEDMENT INTO THE CONCRETE



4" THK. 3000 PSI CONCRETE SLAB W/ 6x6/10:10 WWM ON CHAIRS @ 36" O.C., OVER 6 MIL POLY VAPOR BARRIER OVER TREATED, CLEAN COMPACTED FILL # ELLS X 18" X 18" @ 48" O.C. MAX. 8" CMU BOND AND LOCAL JURISDICTION REQUIREMENTS REAM W#5 BAR CONT/25" MIN. LAP ADDED FILL SHALL BE APPLIED IN 8" LIFTS -EA, LIFT SHALL BE CONPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" #5 DOWELS @ 48" O.C. MAX. 8" CMU #3 BARS HORIZ. OR WIRE CHAIRS @ 48" O.C.

-3000 PSI CONCRETE FOOTING

2-#5 BARS

CONTINUOUS

SECTION SCALE: 3/4" = 1'-0 S.1

NOTE!

NOTE!
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION,
THE CONTRACTOR SHALL COORDINATE ANY INTERIOR
BEARING LOCATION CONDITIONS PER THE TRUSS
ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION
PLAN, ANY INTERIOR BEARING LOCATIONS OR ANY
POINT LOADS OF 4.0 K OR GREATER SHALL BE
SUPPORTED VIA A MODIFIED FOUNDATION PLAN
TAKING THESE LOADS INTO CONSIDERATION. THE
CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS
SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR
THE PURPOSE OF REMDERING SUCH MODIFICATIONS
PRIOR TO POURING ANY CONCRETE.

THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER 2020 FBC (7TH EDITION)

NOTE:
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP
PLUMBING SINDICATING ALL PLUMBING WORK, INCLUDING ALL
PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR
SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND
1 COPY TO THE PERMIT ISSUING AUTHORITY.

Plans

for Code

H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT-CONTR SHALL PROVIDE 1 COPY OF AS BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

SOFTPLAN

Phase Lake, Jewel ∞ŏ SORENSE Lot

1758 (386) - -

OEISI ARCHIT

JOB NUMBER 20210928

SHEET NUMBER S.1 OF 4 SHEETS

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL MALING, ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

SCALE: 1/4" = 1'-0"

ANCHOR GIRDER TRUSS(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" ST22 EA. END - TYP-, T.O.

REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET 5.4 FOR ALL

INIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2XIO.

NOTE

ROOF PLAN NOTES

R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH

R-2 ALL OVERHANG IS"
UNLESS OTHERWISE NOTED

PROVIDE ATTIC VENTILATION IN AC-CORDANCE WITH SCHEDULE ON SD.3

BEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERBY PLATE AND HEEL HEIGHTS

SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W' LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET SD.4

NOTE

THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2020 FBC (TITH EDITION) AND LOCAL JURISDICTION REQUIREMENTS

NOTE

NOTE!
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING
JULLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING,
INCLUDING WIRING, PLIM'BING OR OTHER SUCH PENETRATIONS,
WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING
TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH
SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER
AS TOP PLATES, NOTED ABOVE

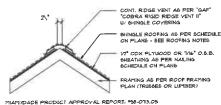
GENERAL TRUSS NOTES:

- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL POREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG WITHE "TRUBS PLATE NOTIFULE" SUSGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, 4 TRUSS TO TRUSS CONNECTIONS.
- 2. TRUSS SHOP DRAWINGS SHALL BE SIGNED 4 SEALED BY THE DESIGNING ENGINEER.
- 3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREDITS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WINCH PLUT REQUIREDINGS FOR TRUSSES OR GROPER, THE CONTRACTOR SHALL HAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

WOOD STRUCTURAL NOTES

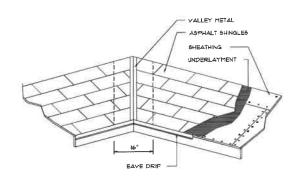
- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED, TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER 4 SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS 4 THE STANDARD SPECIFICATIONS 4 RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- 3. WOOD STUDS IN EXTERIOR WALLS 4 INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER.
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALYANIZED METAL OR SLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CON-

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 5Q.IN
1900 SF	24 LF	490 50.11
2200 SF	28 LF	570 5Q.TN
2500 SF	32 LF	650 SQ.II
2800 6F	36 LF	730 5Q.IN
3100 BE	40 LF	820 SQ.IN
3600 SF	44 LF	500 SQ.I



Ridge Vent DETAIL





VALLEY FLASHING

MATERIAL	MINIMUM THICKNESS (In)	GAGE	WEIGH
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALYANIZED STEEL	0.0179	26 (ZING COATED G90)	
ZING ALLOY LEAD PAINTED TERNE	0.027		40

Roofing/Flashing DETS. SCALE: NONE

Д

758 386) 201 ARCHITE

SOFTPLAN

PLAN

ROOF

Phase

ke,

P

Jewel

44,

Lot

B

SMITH, LLC

જ

SORENS

JOB NUMBER 20210928

SHEET NUMBER S.2 OF 4 SHEETS

PROJECT COORDINATION REQUIREMENTS

NOTICE!
THESE PLANS ARE DRAWN FOR AYERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES
AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES
RULES AND REGULATIONS, N.P.GEISLER, ARCHITCT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE
STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS, IT IS
THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT
COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL), IF YOUR CITY
OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED
TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENCED PROFESSIONAL ENGINEER.

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

SOFTPIAN

SHEET AILS

DET,

Phase SMITH, Lake, Jewel

∞ర

ENS

SOR

4,

4 8

Lot PROJECT

City, Ft. 32055 365-4355 1758 Lake (386) - - -TOPP. TIT: ARCE

Ž

JOB NUMBER 20210928

SHEET NUMBER S.3 OF 4 SHEETS

Compliance Summary Geble & Hip Construction, Wood Trusses @ 24* O
2x 4 Wood Studs @ 16* O.C.
4* Thk. Concreta Slab W/#4 rebar @ 24* O.C. ea. way.
stion: Continuous monolithic fooling or /Stem Wall foundation system ROOF DECKING 48"x96" Sheets Perpendicular to Roof Framing 8d Commons or ring-shank nails per schedule on sheet S.4 SHEARWALLS 1/2" CD Plywood or 7/16" O.S.B. 48"x6" Sheets Placed Vertical, stagger each sheel. 8d Common Nalls @ 4" O.C. Edges & 8" O.C. Interior Double Top Plate (S.Y.P.) W/15d Nails @ 12" O.C.

HURRICANE UPLIFT CONNECTORS

Triss Anchors: SIMPSON H2.5A (OR EQUIVALENT), W/6 - 10d NAILS
Wall Tension: Vall Sheathing Nailing is Adequate - 8d @ 4° O.C. Top & Bot.
Anchor Bolls: 12° A307 Bots @ 48° C.C. 1 18 Bot 6° from corner
Corner Hold-drawn Device: (1) DTT2Z (or equiv.) @ each corner
Porch Column Base Connector: Simpson ABU44/ABU56 @ each column
Porch Column to Beam Connector: Simpson ABU44/ABU56 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 20"x 12" Cont. W/ (2) #5 Bars Cont. on wire chairs or (1) #3 Transverse @ 24" O.C. Sternwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA ILLDING CODE (TITH EDITION) AND OTHER REFERENCED CODES AND PECIFICATIONS, ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATAGORY: 2, EXPOSURE: "C" BASED ON ANSI/ASCE THO. 2020 FBC 1603-A WIND VELOCITY: $V_{\rm ALT}$ + 190 MFH $V_{\rm Ago}$ + 101 MPH

3. ROOF DESIGN LOADS: SUPERIMPOSED DEAD LOADS: 20 PSF SUPERIMPOSED LIVE LOADS: 20 PSF 4. FLOOR DESIGN LOADS: SUPERIMPOSED DEAD LOADS: SUPERIMPOSED LIVE LOADS: 25 P5F

B. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

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

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 FORMED. FBC 1816.1.2

7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC MANENT 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 RET ARDER PLACEMENT, 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 11-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6 11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER

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.

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY # 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 SUBTERSAMEAN TERMINES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. FBC 1961.17

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

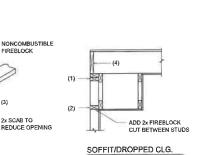
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

FRAMING ANCHOR SCHEDULE

APPLICATION MANUE'R/MODEL 960# 1785# SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS TRUSS TO WALL GIRDER TRUSS TO POST/HEADER: HEADER TO KING STUD(S): SIMPSON LGT, W/ 28 - 16d NAILS SIMPSON ST22 SIMPSON SP2 1370# 1065# 585# 1700# PLATE TO STUD: STUD TO SILL: SIMPSON SP PORCH BEAM TO POST: SIMPSON PC44/EPC44 SIMPSON ABU44 2200# 315#/240#

NOTE: ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE. NOTE: REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O. "SEMCO" PRODUCT APPROVAL: MIAMI/DADE COUNTY REPORT #95-0818.15

"SIMPSON" PRODUCT APPROVALS: MIAM/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04 SBCC1 NER-443, NER-393



PENETRATIONS

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE

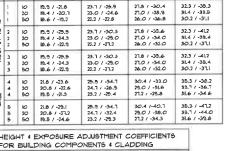
IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED

2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"

4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIRED COKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS



BUILDING COMPONENTS & CLADDING LOADS

Vult IZO MPH

NO A No When

MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 27' TO 45"

Vult BO MPH

Vult 140 MPH

	IT (EXPOSURE ADJUSTMENT COEFFICIENTS BUILDING COMPONENTS (CLADDING					
BLDG HEIGHT	EXPOSURE 'B'	EXPOSURE "C"	EXPOSURE			
ь	1.00	1.2)	1.47			
Ø	1.00	1.29	1.55			
25	1.00	1.35	i.61			
30	1.00	1.40	1.66			

General Roofing NOTES:

DECK REQUIREMENTS:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT

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 FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS FAS LENERS FOR ASPIRAL I SHINGLES SHALL BE GALVANIKED, STANLES STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 38 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

ATTACHMENT: ASPHALL 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 OTHERWIS NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3181 OR M-DC PA 107-95.

STAY IN PLACE.

UNDERLAYMENT APPLICATION: FOR ROOF SLOPES FORM 2:12 TO 4:12, 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

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

FOR POOF SLOPED 4:12 AND GREATER LINDERLAYMENT SHALL BE A MINIMUM OR KOOF SLOPED 4:12 AND GREATER, UNDERCATTER THE TABLE DE A MINO DE 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

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 0.018 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.

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 LINED WITH METAL, THE VALLEY LINING SHALL BE

AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS

IN FBC TABLE 1507.3.9.2.

2. FOR OPEN VALLEY, VALLEY LINING OF TWO PLIES 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 VALLEY LINING SHALL BE ONE OF THE FOLLOWING:

1. BOTH TYPES 1 AND 2 ABOVE COMBINED.

2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.

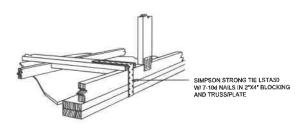
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

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

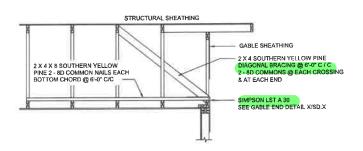
THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

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



GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR

SCALE: NONE



(A.1)

Α

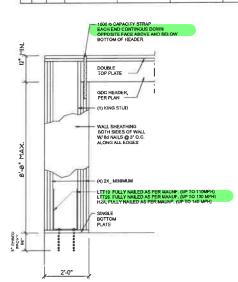
END WALL BRACING FOR CEILING DIAPHRAGM

NTS

(ALTERNATIVE TO BALLOON FRAMING)

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

	_			ENTS & CLADD IGHT = 30.0', E		
	ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH
	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.37-32.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31,4
١.	1	50	10.07-18.6	11.97-22.2	13.9 / -26.0	16.1 / -30.2
27^	2	10	12.5 / -34.7	14.9 / -41.3	17,5 / -48.4	20.3 / -56.2
2	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
۲.	2	50	10,0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
ROOF	3	10	12.5 / -51.3	14,9 / -61,0	17,5 / -71.6	20.3 / -83.1
α	3	20	11.4 /-47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16,1 / -70.5
П	4	10	21.8 / -23.6	25,9 / -34,7	30.4 / -33.0	35.3 / -38.2
	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
WALL	4	50	19.57-21.3	23.2 / -25.4	27.2 / -29.8	31.67-34.6
š	5	10	21,8 / -29.1	25.9 / -34.7	30.4 /-40.7	35,3 / -47.2
	5	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	5	50	19.5 / -24.6	23.2 / -29.3	27,2 / -34.3	31.6 / -39.8

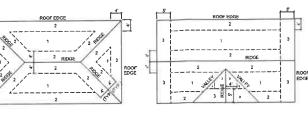


Garage	End	Wall	DE1	ΓAΙL	
SCALE: NTS					

G

F	ROOF SHEATI	HING FASTER	VINGS	
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING	
1		Bd COMMON OR	6 m. o.c. EDGE 12 m. o.c. FIELD 6 m. o.c. EDGE 6 in. o.c. FIELD	
2	7/18 * O.5 B. DR 15/32 CDX	8. 8d HOT DIPPED		
3		BOX NAILS	4 in o.c. @ GABLE ENDWALI OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD	

FOR BUIL	DING COMPONE	ENTS & CLADDII	NG
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	1.00	1.21	1.47
20	1.00	1.29	1.55
25	1.00	1.35	1.61
30	1.00	1.40	1.66



ROOF SHEATHING NAILING ZONES

ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE



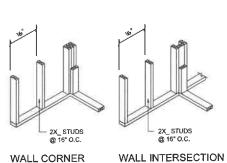
JACK STUD

		T	В	UILDING V	VIDTH (FT)		
HEADERS	HEADER		20'		28'	3	16'
SUPPORTING:	SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN	# JACKS
	2-2x4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2x6	5'-5"	1	4'-8"	1	4'-2"	1
ROOF, CEILING	2-2x8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2x10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2x12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2x8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2x10	10'-6"	1	9'-1"	2	8'-2"	1
	3-2x12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2x8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2x10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2x12	14'-1"	1	12'-2"	2	10'-11"	1

2-2X_ HEADER

W/ BLOCKING

2X_BOTTOM PLATE SUB-FLOOR



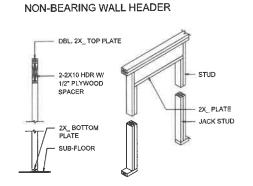


STUD

JACK STUD

2X_PLATE

SILL PLATE



TYPICAL WINDOW HEADER

DBL. 2X_TOP PLATE

w/ 1/2" PLYWD

- 2X_BOTTOM PLATE

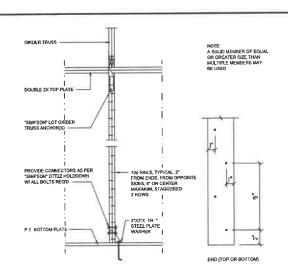
- SUB-FLOOR

SPACER

Wall Framing/Header DETAILS SCALE: NONE

OPENINGS 6' OR GREATER REQUIRE DBL. JACK STUDS





"WindSTORM" ALT. SHEATHING METHOD:

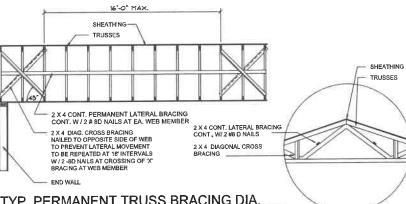
ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SPI/SP2 OR SPI STRAPS

Alternate 'Titan' bolt concrete anchor system

C



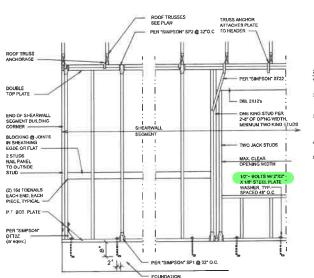
SCALE: 1/2" = 1'-0"



TYP. PERMANENT TRUSS BRACING DIA. NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED



D

ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 588CI 305.4 3

2 THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16 ° O S B INCLUDING AREAS ABOVE AND BELOW OPENING.S

NAIL SPACING SHALL BE 4" O.C. EDGES AND 8" O.C. IN THE FIELD.

TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 56 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3 5 FOR 8-0" WALLS (2-3").

OPENING WIDTI	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6" TO 9"-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

Ε

SOFTPIAN

DETAILS SHEET

Phase II THE BRITTANY MODEL CUSTOM FOR:

Lot 44, Jewel Lake, F
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA SMITH, SORENSEN &

LER 1758 NW Brown Rd. ECT = Lake City, Ft. 32055 ertified = (386) 365-4355 NICHOL/ PA(GEISLE ARCHITEI

JOB NUMBER 20210928

SHEET NUMBER S.4 OF 4 SHEETS

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

BEARING WALL HEADER