



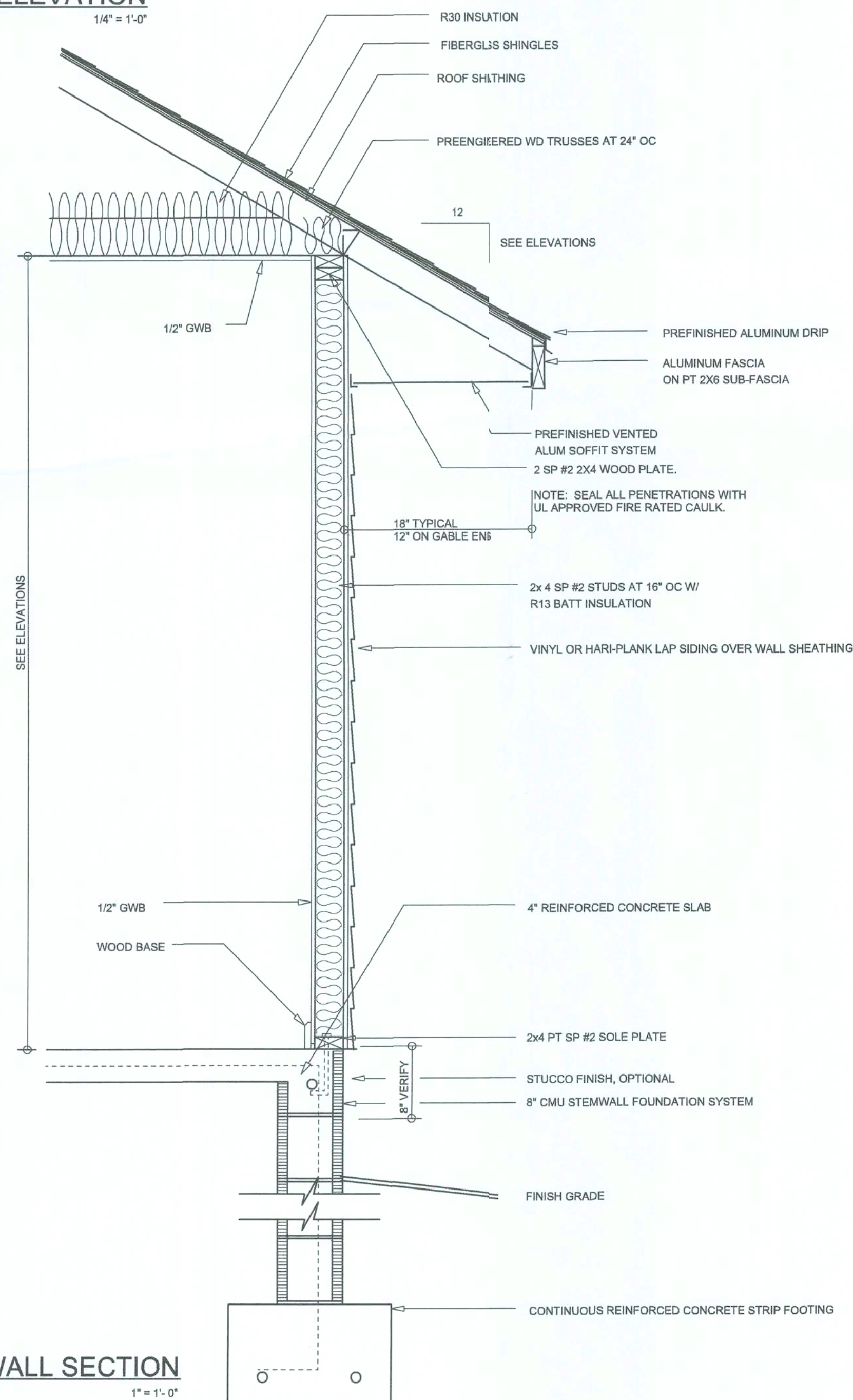
FRONT ELEVATION

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



REAR ELEVATION

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



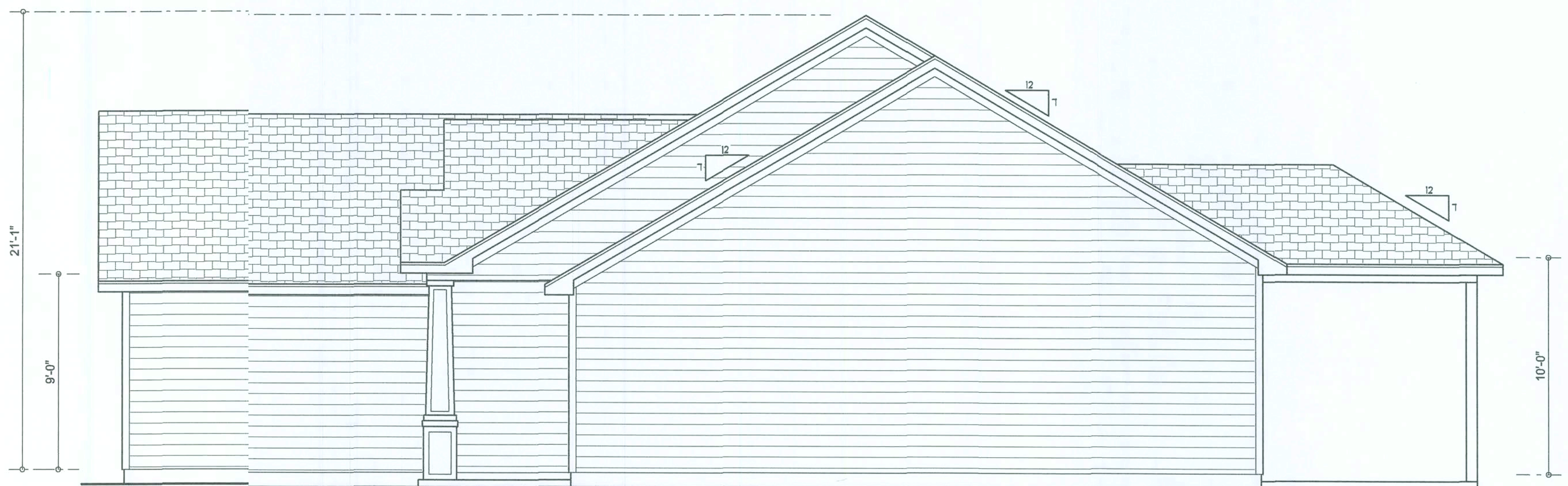
TYPICAL WALL SECTION

SCALE: 1" = 1'-0"



LEFT ELEVATION

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



RIGHT ELEVATION

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

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



REVISIONS
March 12, 2020

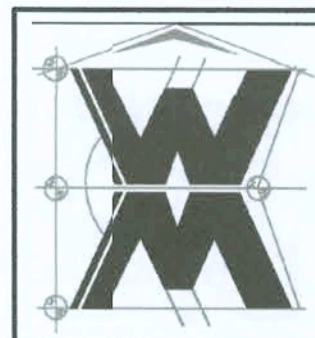
SCPTPLAN
ARCHITECTURAL DESIGN SOFTWARE

TYPICAL WALL SECTION
SCALE: 1/4" = 1'-0"

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

MODEL 1735 FOR:
LOT 44, CROSSEWINDS
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA
RHETT SMITHEY
LAKE CITY, FLORIDA

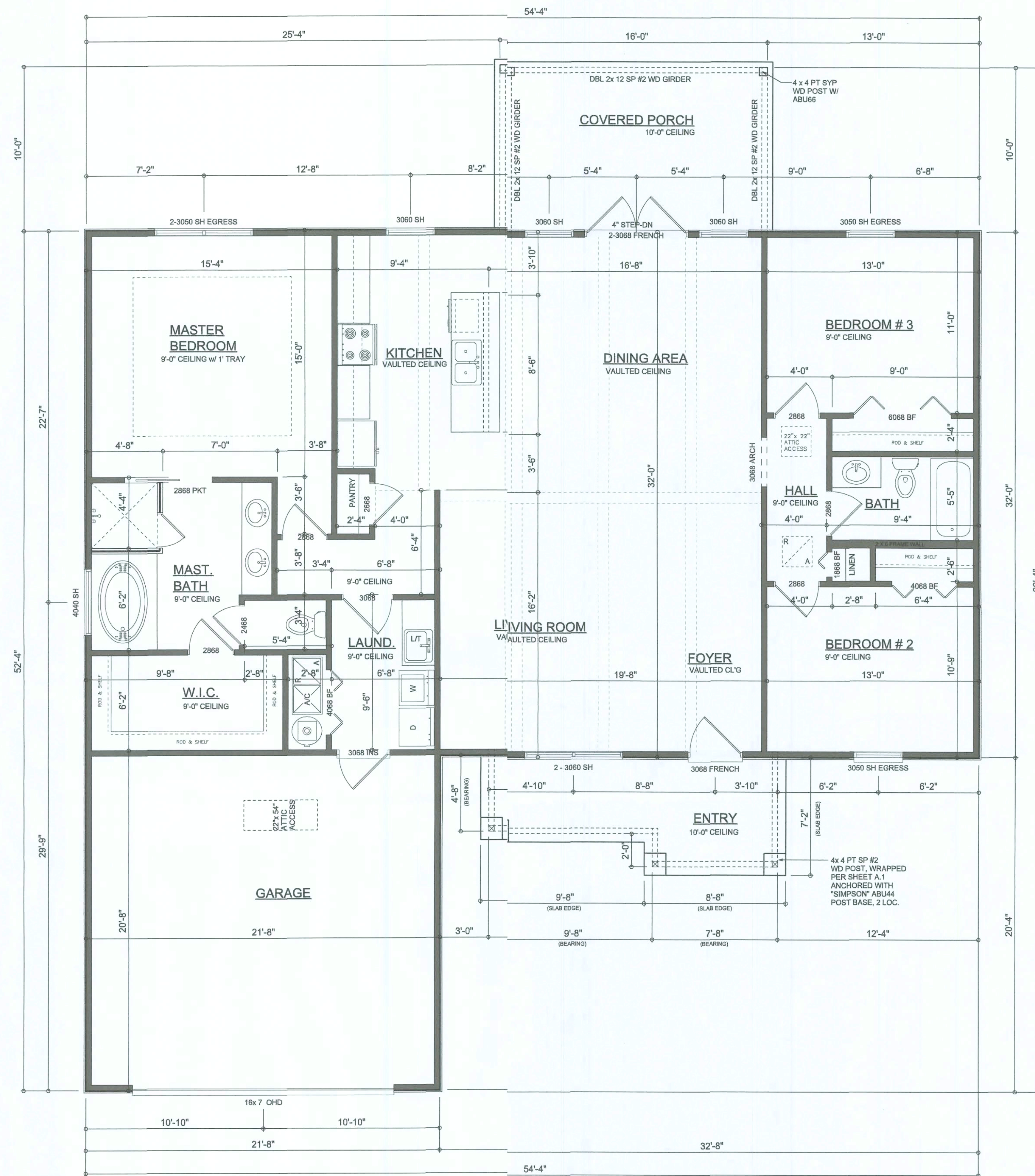
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wil@wilmyers.net



JO3 NUMBER
20200312

SHEET NUMBER
A.1

W.C. My



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

Garage fire separations shall comply with the following:

1. The private garage shall be separated from the dwelling unit and its attic area by means of a minimum 5/8-inch (12.7 mm) gypsum board applied to the garage side. Garages beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Door openings between a private garage and the dwelling unit shall be equipped with either solid wood doors, or solid or honeycomb core steel doors not less than 1 3/8 inches (34.9 mm) thick, or doors in compliance with Section 715.3.3. Openings from a private garage directly into a room used for sleeping purposes shall not be permitted.
2. Ducts in a private garage and ducts penetrating the walls or ceilings separating the dwelling unit from the garage shall be constructed of a minimum 0.019-inch (0.48 mm) sheet steel and shall have no openings into the garage.
3. A separation is not required between a Group R-3 and U carport provided the carport is entirely open on two or more sides and there are not enclosed areas above.
4. When installing an attic access and/or pull-down stair unit in the garage, devise shall have a minimum 20 min. fire rating.

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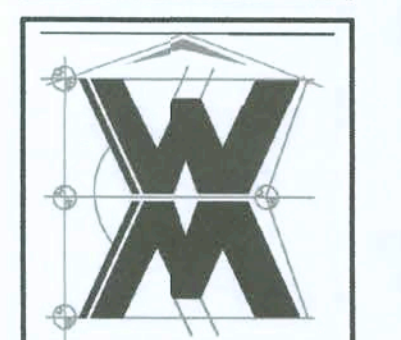
AREA SUMMARY

LIVING AREA	1735	S.F.
GARAGE AREA	440	S.F.
ENTRY PORCH AREA	96	S.F.
COVERED PORCH AREA	160	S.F.
TOTAL AREA	2431	S.F.

W. C. Smith

MODEL 1735 FOR:
LOT 44, CROSSWINDS
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA
RHETT SMITHEY
LAKE CITY, FLORIDA

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JOB NUMBER
20200312

SHEETNUMBER
A.2

REVISIONS
March 12, 2020

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

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

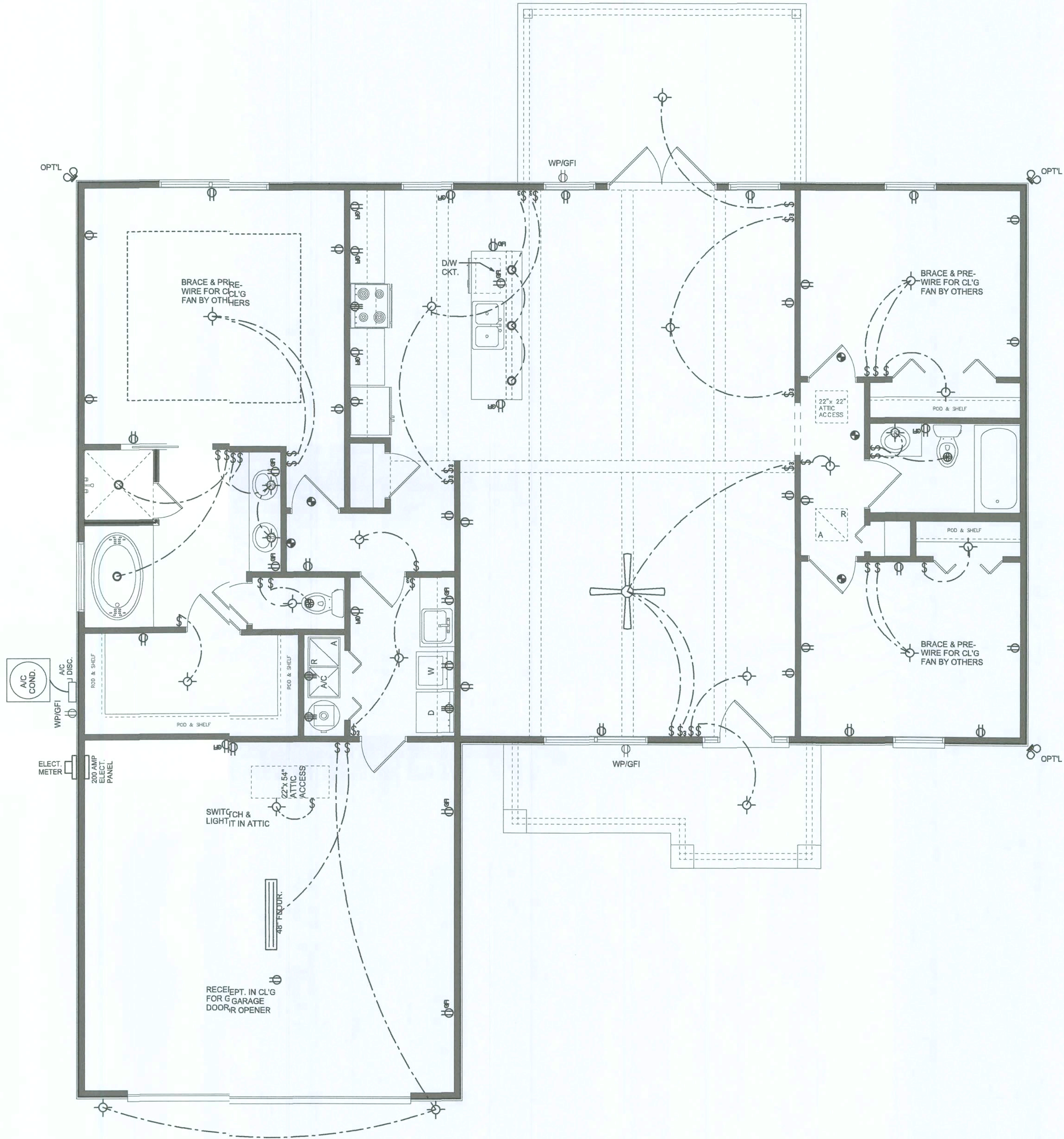
ELECTRICAL LEGEND	
	CEILING FA (PRE-WIRE OR LIGHT KIT)
	DOUBLE SECURITY LIGHT
	RECESSED CAN LIGHT
	BATH EXHAUST FAN
	LIGHT FIXTURE
	DUPLEX OUTLET (AFCI & TAMPER RESISTANT)
	220v OUTLET
	GFI DUPLEX OUTLET (PER NEC 408.6)
	TELEVISION JACK
	TELEPHONE JACK
	SMOKE / CARBON MONOXIDE DETECTOR (see note below)
	WALL SWITCH
	3 WAY WALL SWITCH
	WATER PROOF GFI OUTLET
	48" FLOU. 2 OR 4 TUBE FLUORESCENT FIXTURE

NOTE:
ALL INTERIOR RECEPTACLES SHALL BE AFCI
(ARC FAULT CIRCUIT INTERRUPTER PER NEC 210.12 & TAMPER RESISTANT PER
NEC 408.11

ALL SMOKE DETECTORS BE A CMBO SMOKE & CARBON MONOXIDE DETECTOR
AND SHALL HAVE BATTERY BACKUP POWER
AND ALL WIRED TOGETHER SO ANY ONE UNIT IS ACTUATED THEY
ALL ACTIVATE.

THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE
INSTALLED ON THE EXTERIOR STRUCTURES TO SERVE AS A DISCONNECT MEANS.
CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR
SHALL BE USED AS AN EQUIPMENT GROUND.

IT IS THE LICENSED ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL
WORK PERFORMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE NFPA 70 2014 NATIONAL
ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.



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

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

Wm C. Smith

REVISIONS
March 12, 2020

SOFTWARE
ARCHITECTURAL DESIGN SOFTWARE

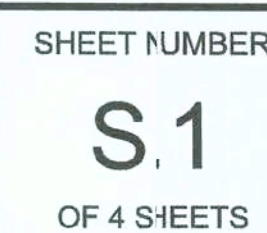
ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

MODEL 1735 FOR:
LOT 44, CROSSWINDS
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA
RHETT SMITHEY
LAKE CITY, FLORIDA

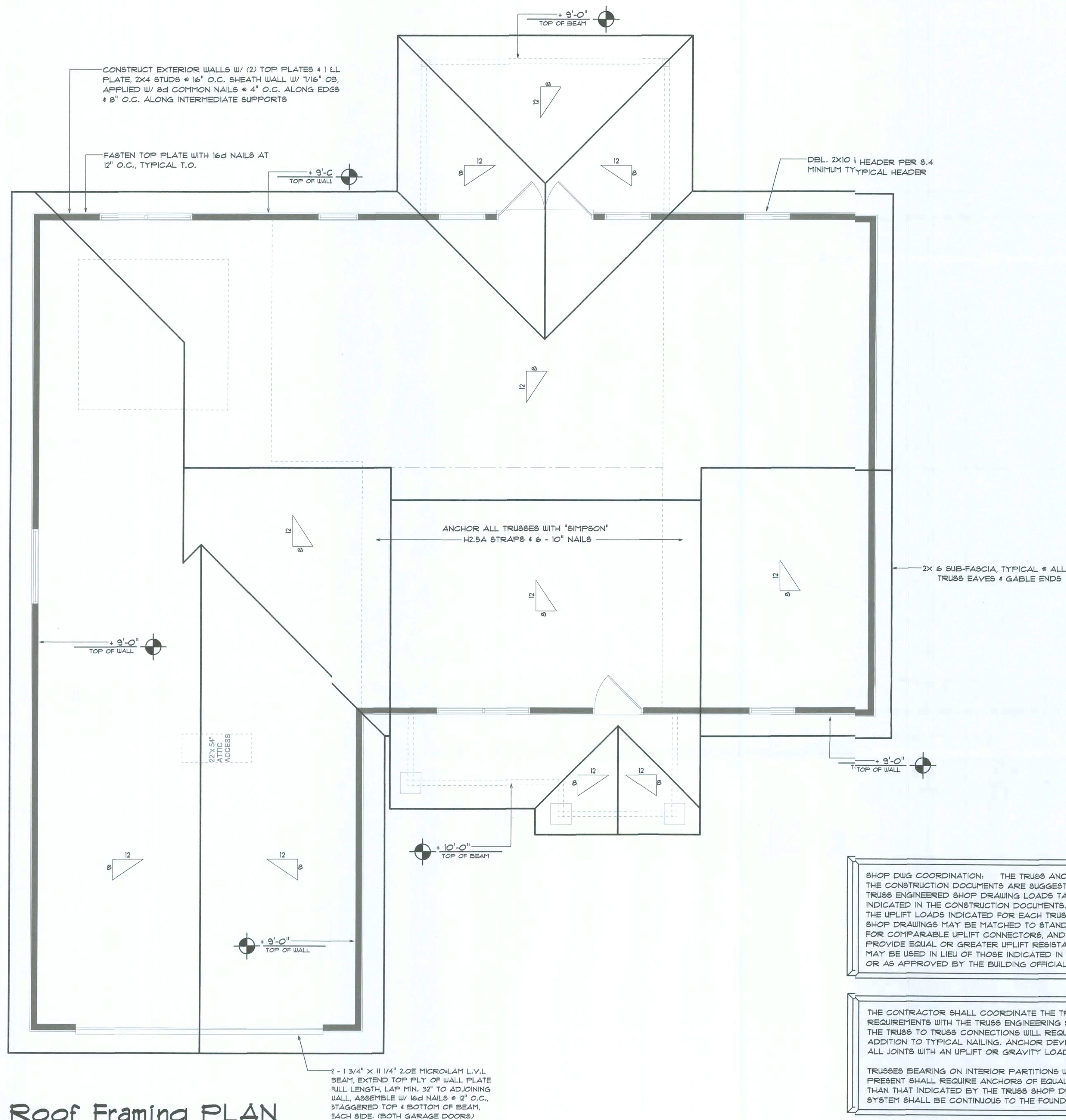
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JOB NUMBER
20200312

SHEET NUMBER
A.3



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



Roof Framing PLAN

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

NOTE:
ANCHOR GIRDER TRUSSES TO HEADER
WITH 2 "SIMPSON" LGT2, 3 OR 4,
ANCHOR HEADER TO KING STUDS W/
2 "SIMPSON" ST2 EA. END - TYP., T.O.

NOTE:
REFER TO THE WINDOW/DOOR HEADER
SCHEDULE ON SHEET S.4 FOR ALL
MINIMUM SIZE HEADERS AND ALTERNATES
MINIMUM SIZE ALLOWABLE IS 2-2X10.

ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANG 18"
- R-3 PROVIDE ATTIC VENTILATION IN AC-
CORDANCE WITH SCHEDULE ON S.D.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR
PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER
ROOF PENETRATIONS TO REAR

NOTE:
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 S.4

NOTE:
THE DESIGN WIND SPEED FOR THIS
PROJECT IS 130 MPH PER 2011 PER R301.2.1.1
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING
WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING,
INCLUDING WIRING, PLUMBING 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

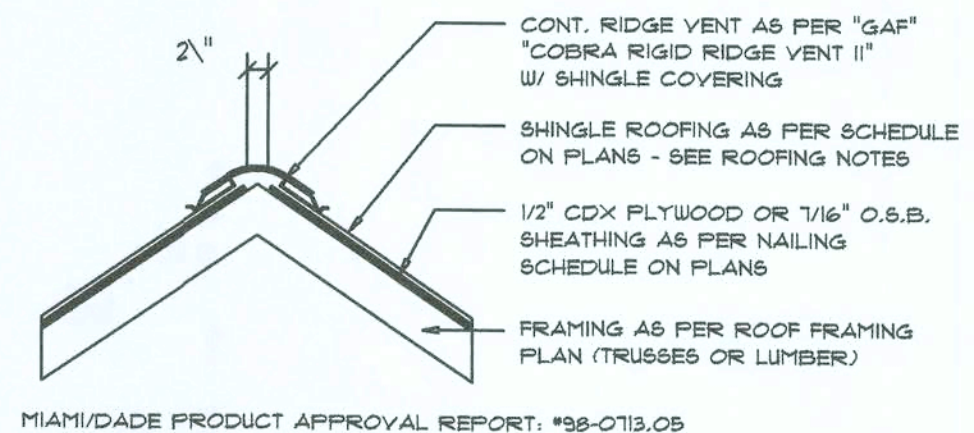
GENERAL TRUSS NOTES:

1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE
WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION"
MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST ED., ALONG
W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND
PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL
INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR
REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND
UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE
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

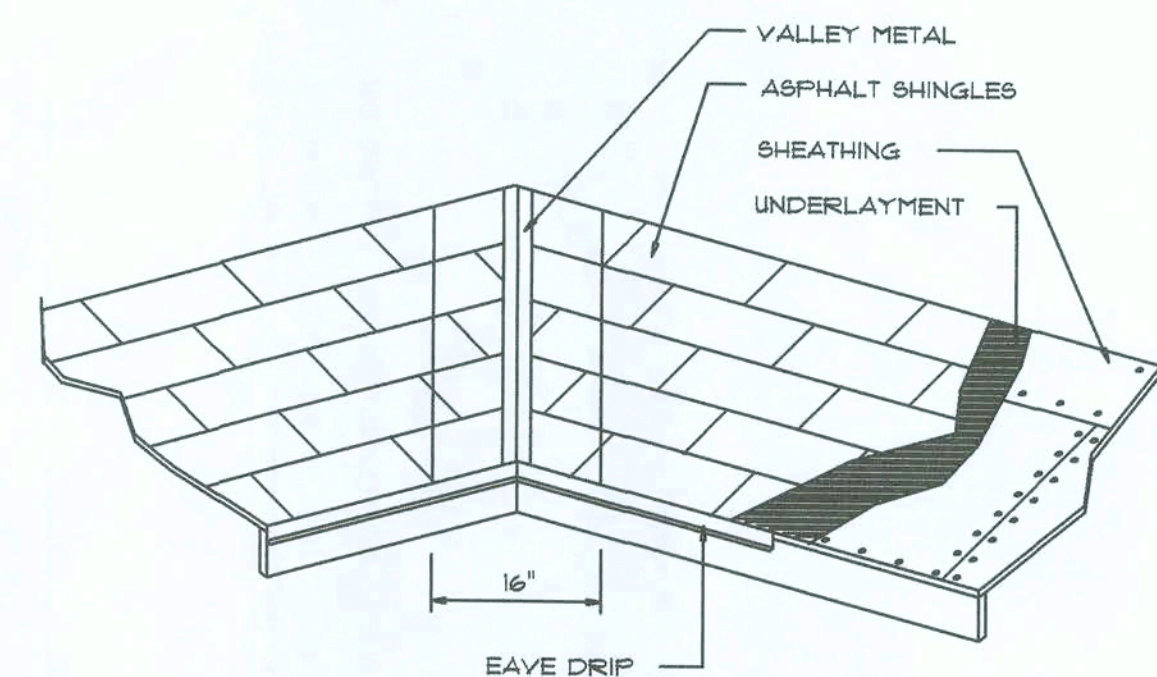
1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED
FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-
SIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT
BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-
LINES OF THE "TRUSS PLATE INSTITUTE".
2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL
ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN
SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS
CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS
OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL
BE NOT LESS THAN N-2 HEM-FIR OR BETTER.
4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR
BLACK 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-
NECTIONS.

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1800 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2600 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	810 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



Ridge Vent DETAIL

SCALE: 3/4" = 1'-0"



VALLEY FLASHING

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0178	26 (ZINC COATED G90)	
ZINC ALLOY	0.021		40
LEAD			20
PAINTED TERNE			

Roofing/Flashing DETS.

SCALE: NONE

SHOP DWS COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN
THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE
TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT
INDICATED IN THE CONSTRUCTION DOCUMENTS.
THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS
SHOP DRAWINGS MAY BE MATCHED TO STANDARD PRODUCT UPLIFT RATINGS
FOR COMPARABLE UPLIFT CONNECTORS, AND THAT THE PRODUCTS THAT
PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS
MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS
OR AS APPROVED BY THE BUILDING OFFICIAL.

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 NAILING. 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.

PROJECT COORDINATION REQUIREMENTS

NOTICE:
THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODES
IN COLUMBIA COUNTY, FL. AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES
RULES AND REGULATIONS, N.P.G.E.B.L.R., ARCHITECT 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

REVISIONS
March 12, 2020

SOFTMAN
ARCHITECTURAL DESIGN FIRM

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

MODEL 1735 FOR:
LOT 44, CROSSWINDS
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA

RHETT SMITHEY
LAKE CITY, FLORIDA

AR0001005
12.11.2020

NICHOLAS PAUL GEISLER ARCHITECT
N.C.A.A. Certified # 1758 NW Brown Rd.
Lake City, FL 32055
(888) 385-4955

JOB NUMBER
20200312

SHEET NUMBER
S.2
OF 4 SHEETS

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

Roof: Gable & Hip Construction, Wood Trusses @ 24" O.C.
Walls: 2x4 Wood Studs @ 16" O.C.
Floor: 4" Thk. Concrete Slab W/ #4 rebar @ 24" O.C. ea. way
Foundation: Continuous monolithic footing or Stem W/ foundation system

ROOF DECKING

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

SHEARWALLS

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. Interior
Dragstrut: Double Top Plate (S.Y.P.) W/ 16d Nails @ 1' O.C.
Wall Studs: 2x4 Wood Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON H2.5A (OR EQUIVALENT), 1/6 - 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 from corner
Corner Hold-down Device: (1) DTT22 (or equiv.) each corner
Porch Column Base Connector: Simpson ABU44/BU66 @ each column
Porch Column to Beam Connector: Simpson EP4/PC44 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 20"x12" Cont. W/ (2) #5 Bars Cont. on wire chs or (1) #3 Transverse @ 24" O.C.
Stemwall: 8" C.M.U. W/ 1-#5 Vertical Dowel @ 48" O.C.

STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2017 FLORIDA BUILDING CODE - PER R301.2.1.1 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"
BASED ON ANSI/ASCE 7-10, 2017 FBC 1609.4 WIND VELOCITY: $V_{ULT} = 130$ MPH
 $V_{ASD} = 101$ MPH
- ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF
- FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS:
RESIDENTIAL 40 PSF
BALCONIES 60 PSF
- WIND NET UPLIFT: AREAS INDICATED ON FANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRA RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISES AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".
EXCEPTION: PAINT AND DECORATIVE CEMENTITIOUS FINISHES THINER THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1816.1.2
- BOXED AREAS IN CONCRETE FLOOR 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
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.1.6
- 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
- ALL BUILDINGS ARE REQUIRED TO HAVE PRE-CONSTRUCTION TREATMENT. FBC 1816.1.7
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE 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
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND E.L. 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
- 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

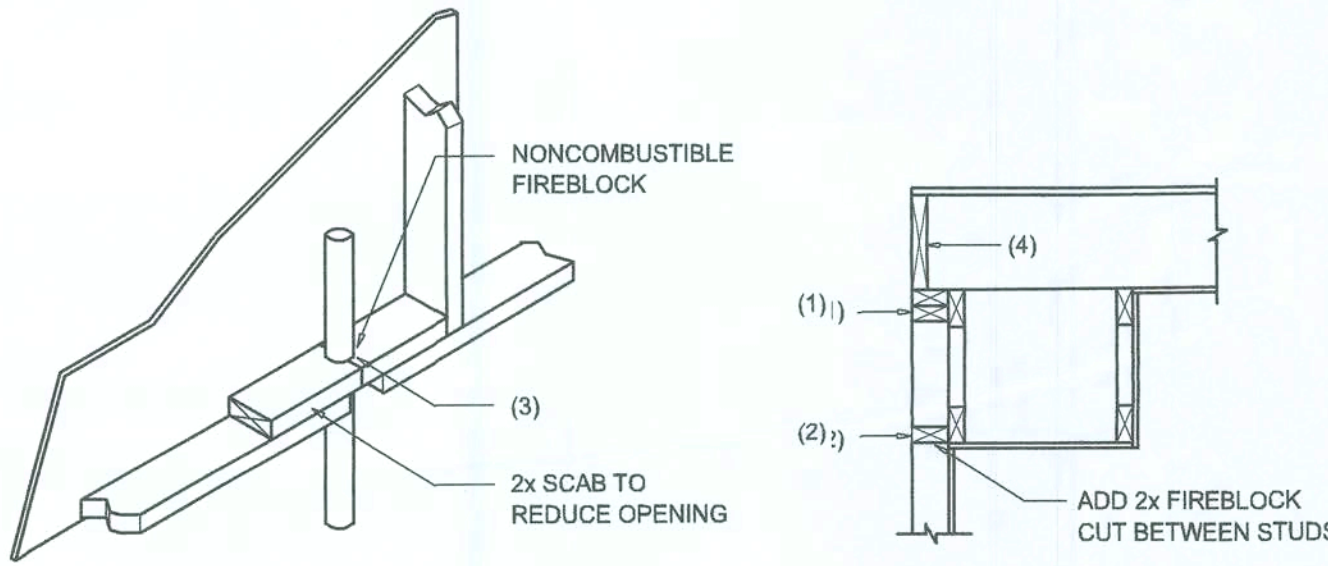
APPLICATION	MANUFACTURER MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS	960#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP2	1065#
STUD TO SILL:	SIMPSON SP1	585#
PORCH BEAM TO POST:	SIMPSON PC44/EPC44	1700#
PORCH POST TO FND:	SIMPSON ABU44	2200#
MISC. JOINTS	SIMPSON A34	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/ JOINT REINFORCEMENT AND FASTENERS.

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, #99-06623.04
SBCC1 NER-443, NER-393



PENETRATIONS

SOFFIT/DROPPED CLG.

FIREBLOCKING NOTES:

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

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
- 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 "PYRO PANEL MULTIFLEX SEALANT"
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE

A

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 21° TO 45°				
ZONE	AREA	Vult 110 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH	
1 1 1	10	19.3 / -21.8	23.1 / -25.9	21.8 / -30.4	32.3 / -35.3	
	20	19.4 / -22.1	23.0 / -24.6	21.0 / -28.9	31.4 / -33.5	
	50	18.6 / -19.2	22.2 / -22.8	26.0 / -26.8	30.2 / -31.1	
	2	10	19.3 / -25.5	23.1 / -30.3	21.8 / -35.6	32.3 / -41.2
	20	19.4 / -24.3	23.0 / -29.0	21.0 / -34.0	31.4 / -39.4	
	50	18.6 / -22.9	22.2 / -21.2	26.0 / -32.0	30.2 / -31.1	
3 3 3	10	19.3 / -25.5	23.1 / -30.3	21.8 / -35.6	32.3 / -41.2	
	20	19.4 / -24.3	23.0 / -29.0	21.0 / -34.0	31.4 / -39.4	
	50	18.6 / -22.9	22.2 / -21.2	26.0 / -32.0	30.2 / -31.1	
	4	10	21.8 / -23.6	25.9 / -34.1	30.4 / -33.0	35.3 / -38.2
	20	20.8 / -22.6	24.1 / -26.9	29.0 / -31.6	33.1 / -36.1	
	50	19.5 / -21.3	23.2 / -25.4	21.2 / -29.8	31.6 / -34.6	
5 5 5	10	21.8 / -29.1	25.9 / -34.1	30.4 / -40.1	35.3 / -41.2	
	20	20.8 / -21.2	24.1 / -32.4	29.0 / -38.0	33.1 / -44.0	
	50	19.5 / -24.6	23.2 / -29.3	21.2 / -34.3	31.6 / -39.8	
HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING						
BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"			
15	1.00	1.21	1.41			
20	1.00	1.29	1.55			
25	1.00	1.35	1.61			
30	1.00	1.40	1.66			

General Roofing NOTES:

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. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT
IS REQUIRED.

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 M-DC PA 107-95.

UNDERLAYMENT APPLICATION:
FOR ROOF SLOPES FROM 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
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/ MFR'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.

- 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.
- FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS 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.
- FOR CLOSED VALLEYS 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.

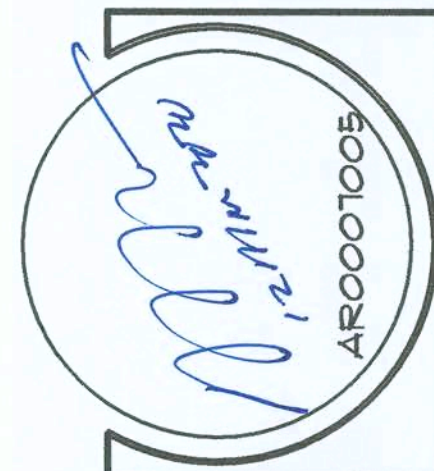
NOTE !!!
ROOF SHINGLES SHALL BE AS MANUFACTURED BY "TAMKO
ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

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

REVISIONS	
March 12, 2020	
SOFTPLAN ARCHITECTURAL DESIGN SOFTWARE	
DETAILS SHEET SCALE: 1/4" = 1'-0"	

MODEL 1735 FOR:	LOT 44, CROSSWINDS
PROJECT ADDRESS:	COLUMBIA COUNTY, FLORIDA
ARCHITECT:	RHETT SMITHEY
	LAKE CITY, FLORIDA

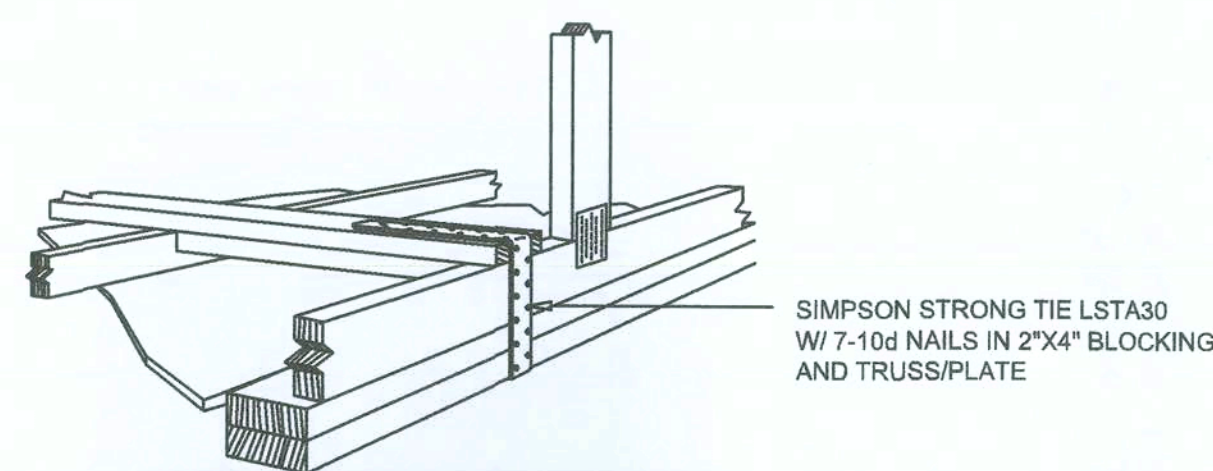


NICHOLAS PAUL GEISLER ARCHITECT N.C.A.R.B. Certified	1750 NW Brown Rd. Lake City, FL 32055 (386) 365-4355
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JOB NUMBER
20200312

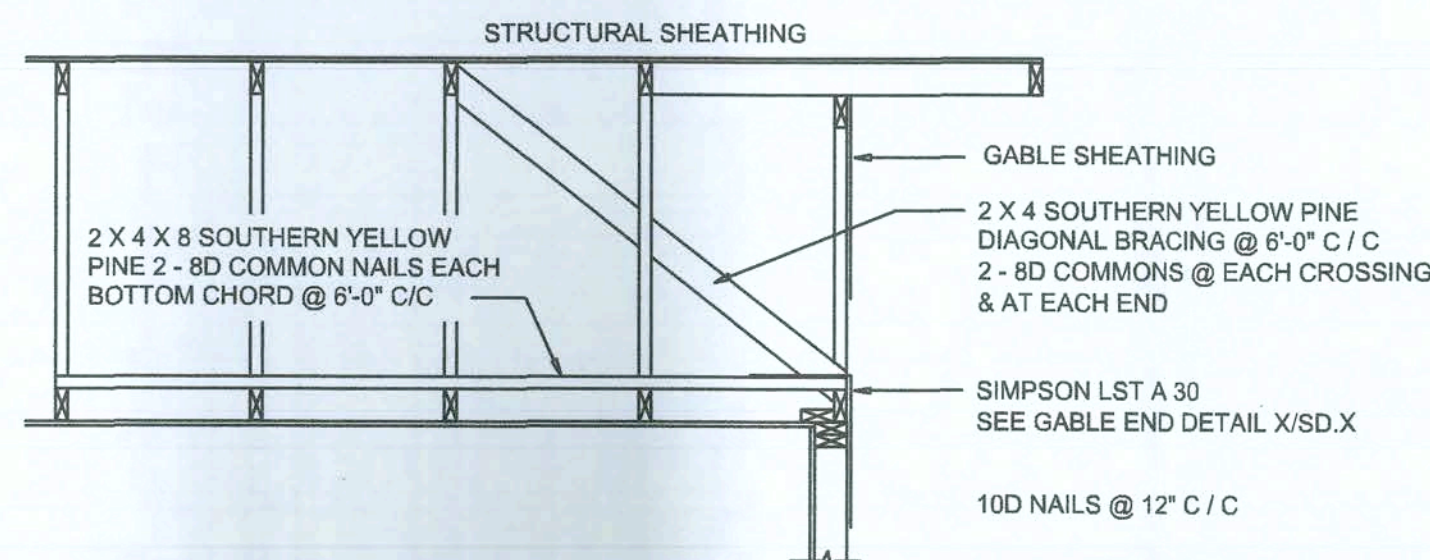
SHEET NUMBER
S.3
OF 4 SHEETS

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



**GABLE END GYPSUM DIAPHRAGM
HOLDOWN CONNECTOR**
SCALE: NONE

A.1

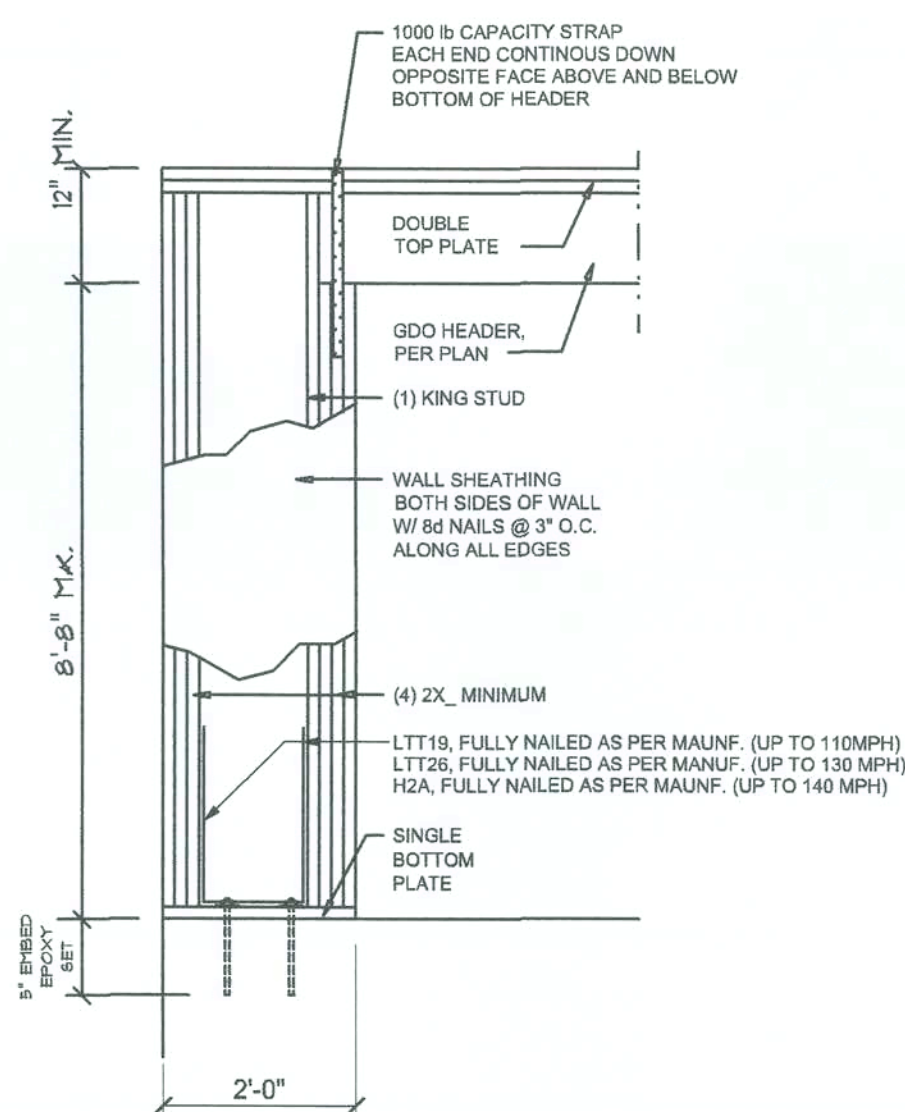


**END WALL BRACING FOR
CEILING DIAPHRAGM**

NTS (ALTERNATIVE TO BALLOON FRAMING)
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

A

BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"						
	ZONE	AREA	VULT 110 MPH	VULT 120 MPH	VULT 130 MPH	VULT 140 MPH
ROOF 7 TO 27'	1	10	12.0 / -19.9	14.9 / -23.7	17.5 / -27.8	20.3 / -32.3
	1	20	11.4 / -19.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4
	1	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	2	10	12.5 / -34.7	14.9 / -41.3	17.5 / -48.4	20.3 / -56.2
	2	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7
WALL	1	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.7
	2	10	12.5 / -51.3	14.9 / -61.0	17.5 / -71.6	20.3 / -83.1
	2	20	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.5 / -77.7
	2	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
	4	10	21.8 / -23.5	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
WALL	4	20	20.8 / -22.6	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7
	4	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
	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

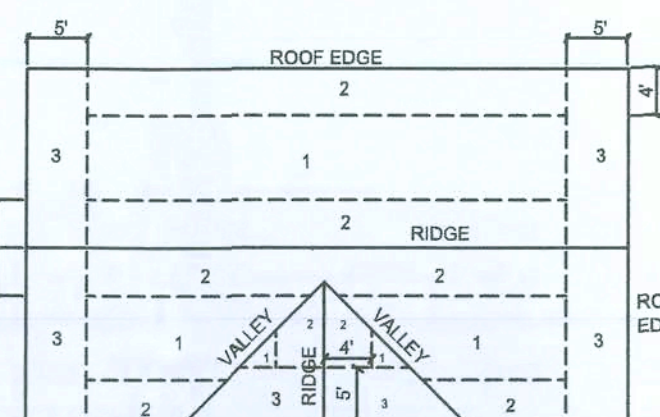
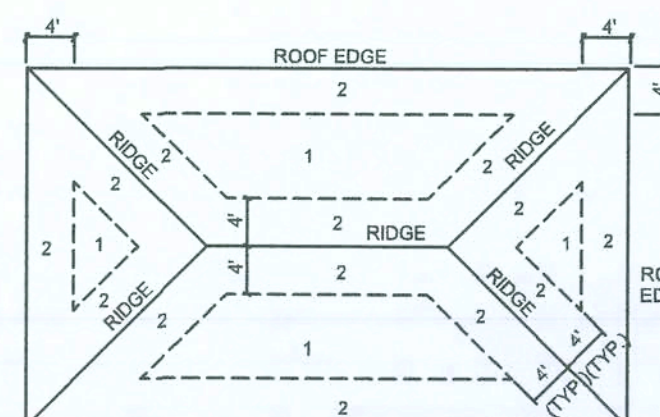


Garage End Wall DETAIL
SCALE: NTS

G

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1		6d COMMON OR 6d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
2	7/16" O.S.B. OR 15/32 CDX		6 in. o.c. EDGE 6 in. o.c. FIELD
3		4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD	

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING			
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

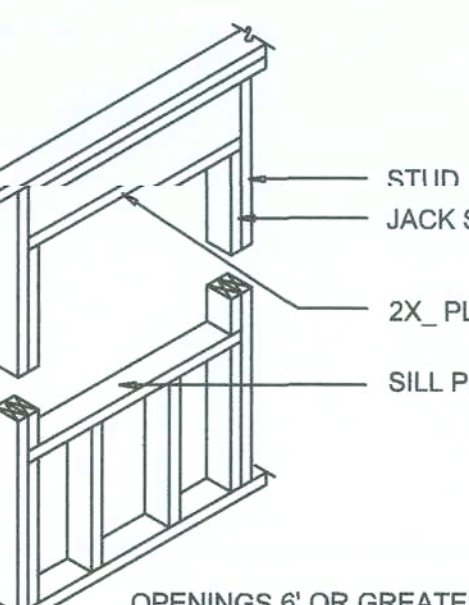
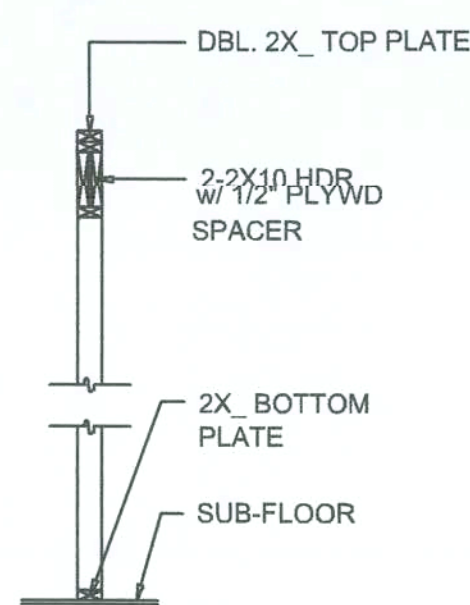
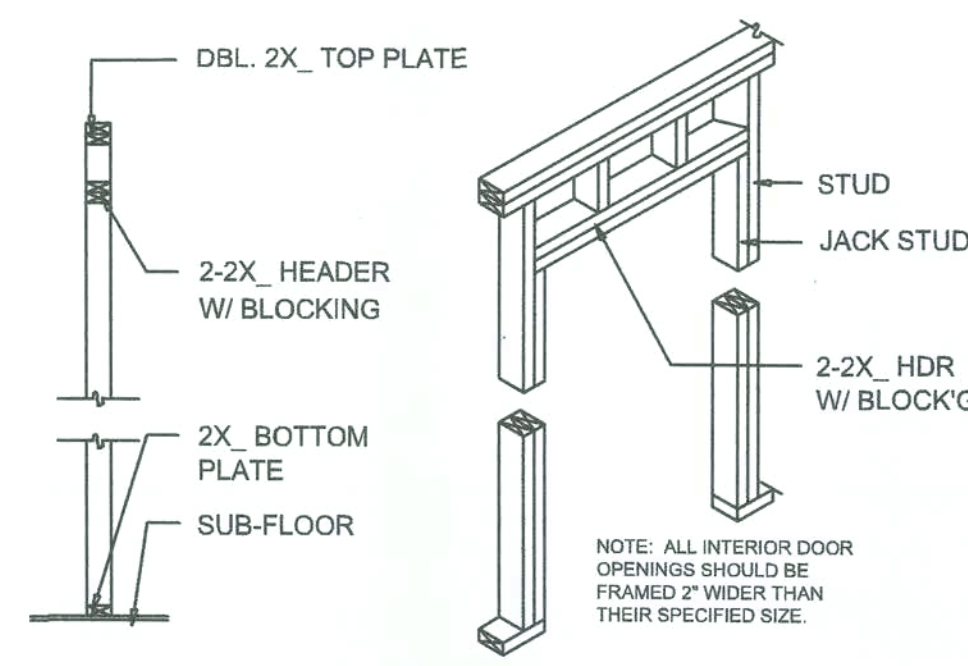
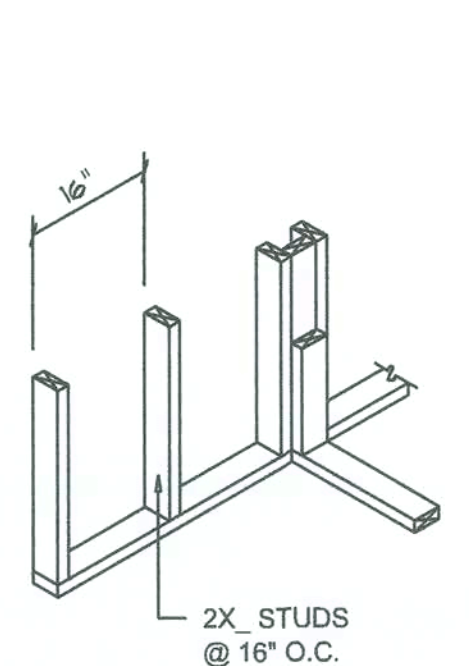
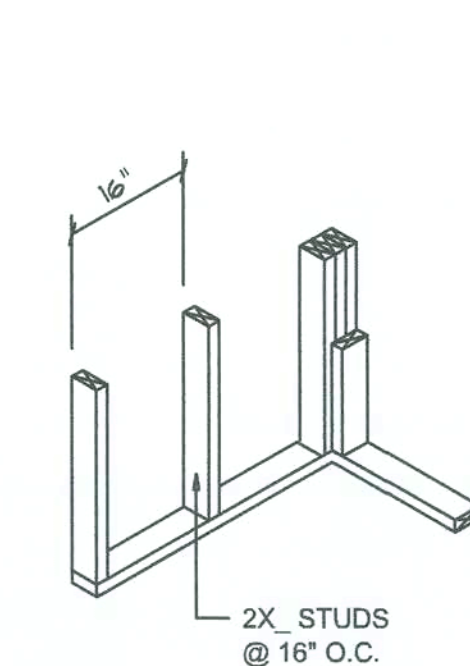


Roof Nail Pattern DET.

SCALE: NONE

B

HEADER SPANS FOR EXTERIOR BEARING WALLS					
HEADERS SUPPORTING:	HEADER SIZE	BUILDING WIDTH (FT)			
		20'	28'	36'	
ROOF, CEILING	2-2x4	3'-8"	3'-2"	2'-10"	1
	2-2x6	5'-5"	4'-8"	4'-2"	1
	2-2x8	6'-10"	5'-11"	5'-4"	1
	2-2x10	8'-5"	7'-3"	6'-6"	2
	2-2x12	9'-9"	8'-5"	7'-6"	2
	3-2x8	8'-4"	7'-5"	6'-8"	1
	3-2x10	10'-6"	9'-1"	8'-2"	1
	3-2x12	12'-2"	10'-7"	9'-5"	2
	4-2x8	9'-2"	8'-4"	9'-2"	1
	4-2x10	11'-8"	10'-6"	9'-5"	1
	4-2x12	14'-1"	12'-2"	10'-11"	1

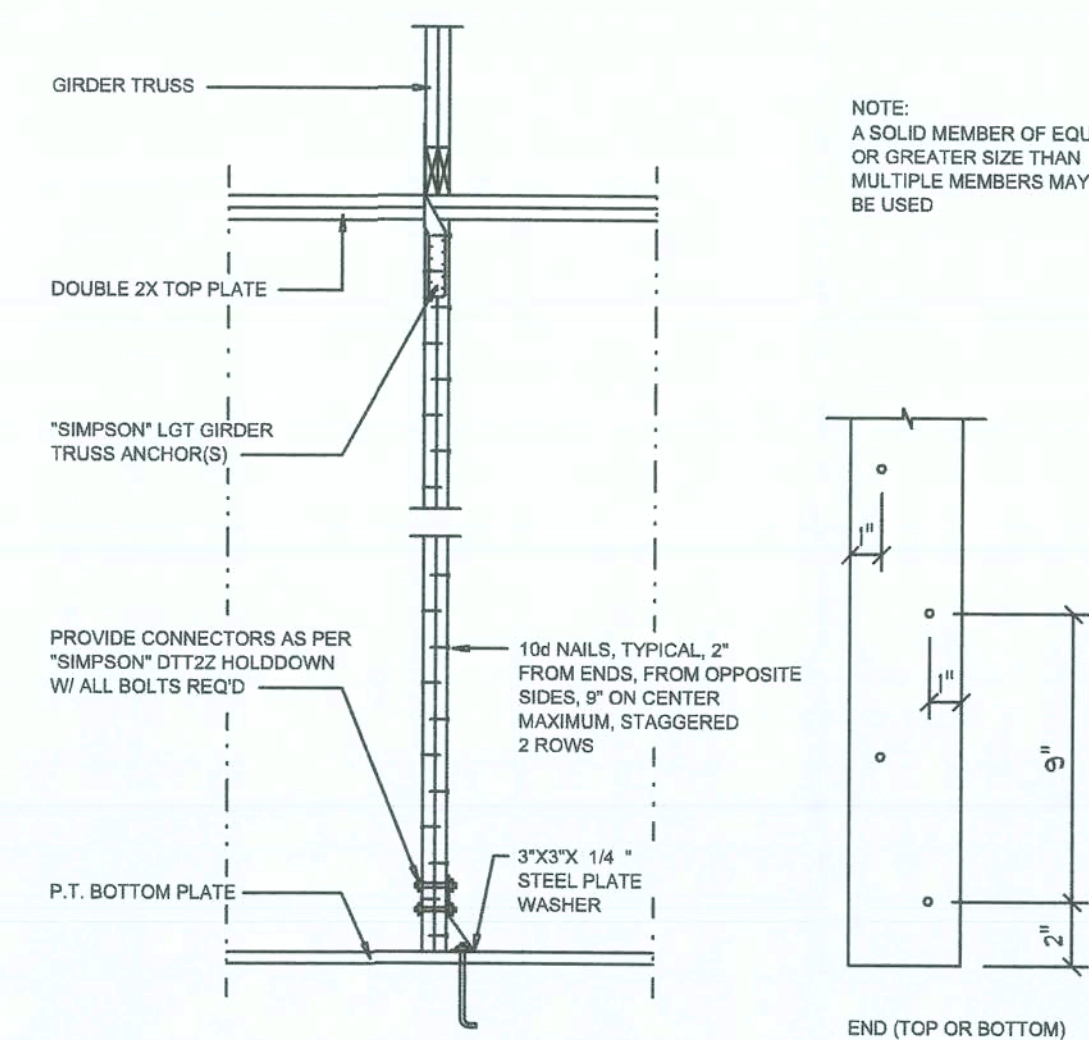


Wall Framing/Header DETAILS

SCALE: NONE

F

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



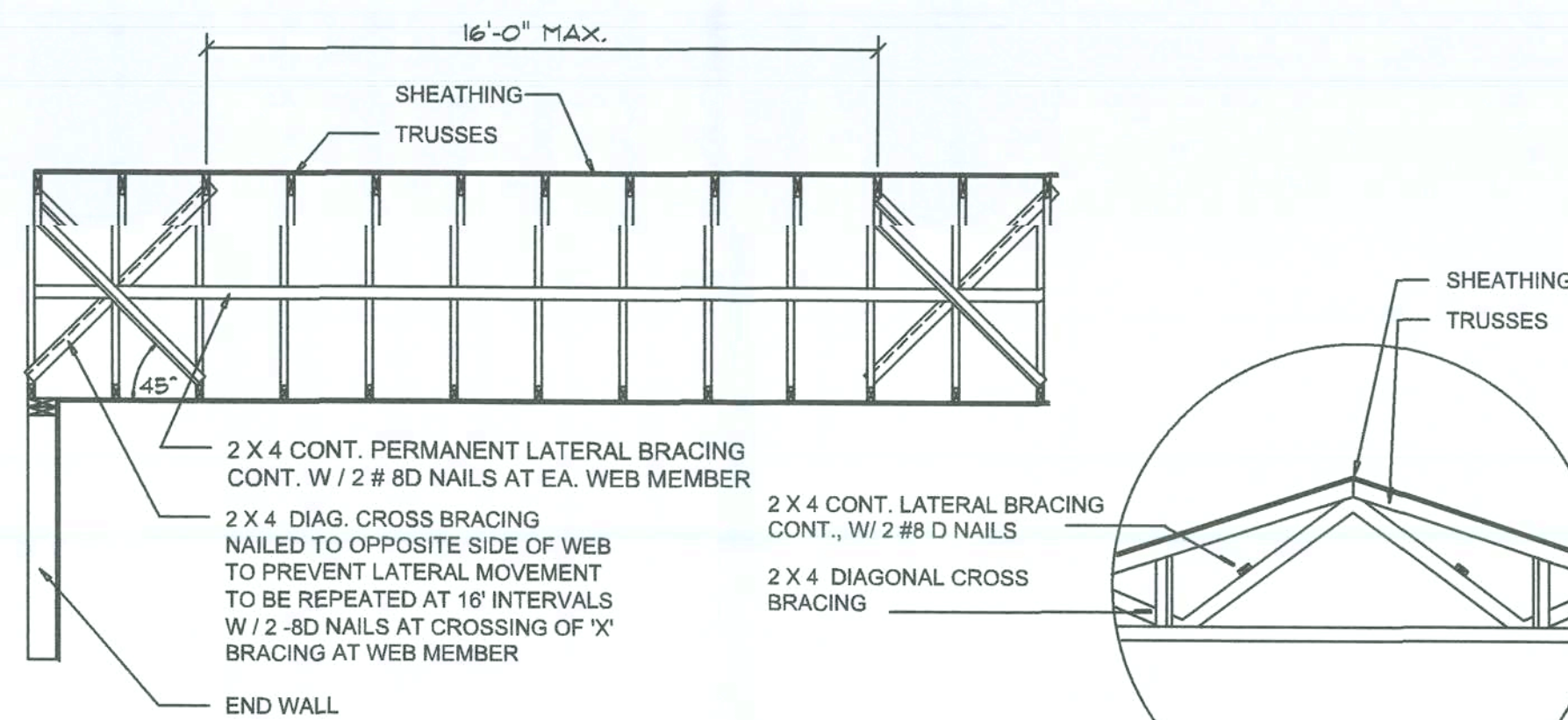
"WindSTORM" ALT. SHEATHING METHOD:
ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP18P2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:
1. APPLY VERTICALLY, "WindSTORM" 7/16" OSB 48" X 67" 109" 121" OR 140" SHEATHING. FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 6d COMMONS @ 4" O.C. FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 6" O.C. OR 6d COMMONS @ 8" O.C.

Alternate "Titan" bolt concrete anchor system
ANCHOR SILL PLATE WITH 5/8" TITAN ANCHOR BOLT, PLACED AT 48" O.C. AROUND PERIMETER OF SLAB AND ALL INTERIOR BEARING WALLS.

Girder Truss Column DET.

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

C



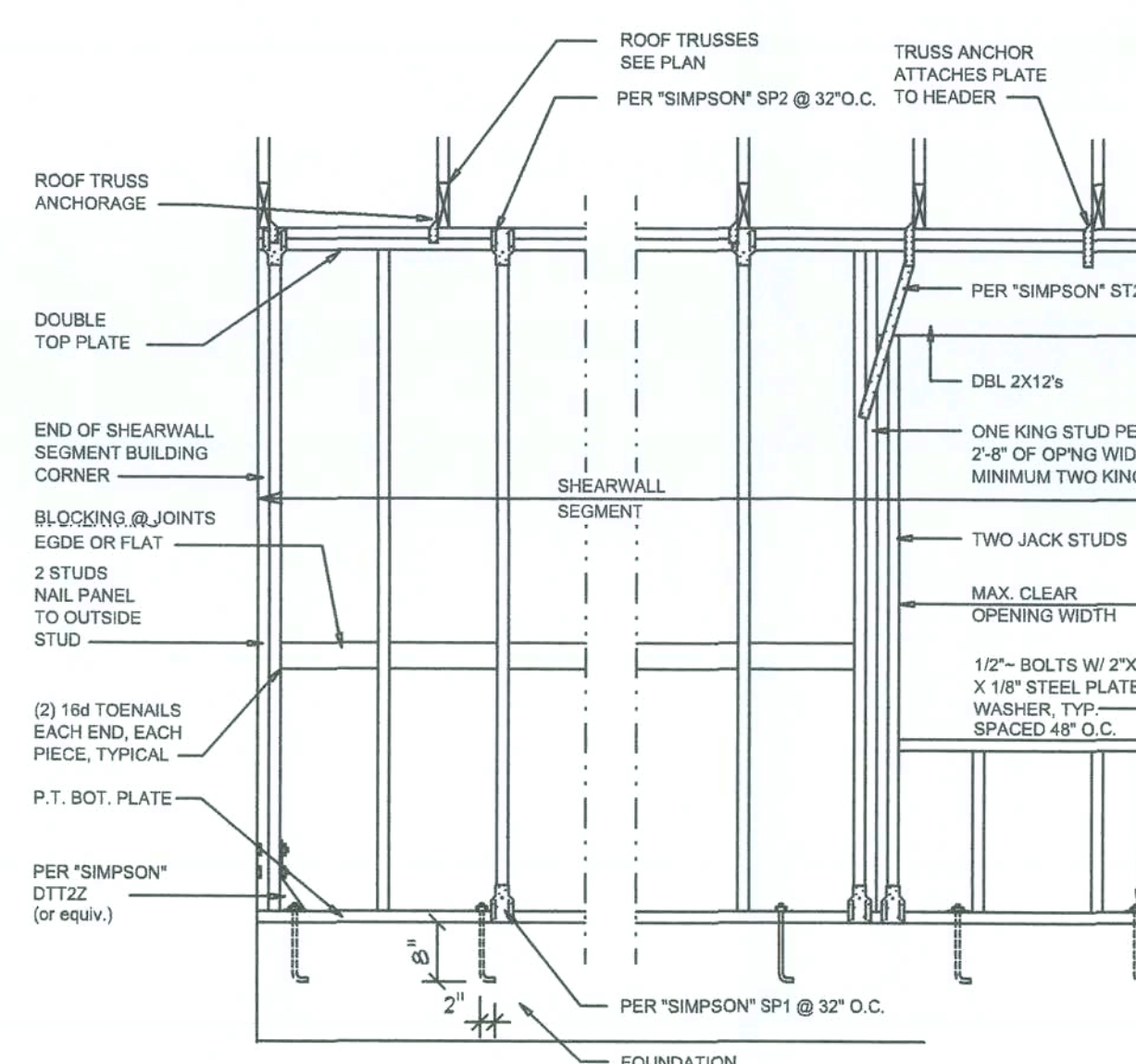
TYP. PERMANENT TRUSS BRACING DIA.

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

Truss Bracing DETAILS

SCALE: AS NOTED

D



SHEARWALL NOTES:
1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 19-97 S880C 305.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (2'-0").

OPENING WIDTH	SILL PLATES	15d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
> 6' TO 9'-0"	(2) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(3) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE

E

REVISIONS	DATE	BY	CHKD
1	March 12, 2020		

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE

DETAILS SHEET
SCALE: 1/8" = 1'-0"

MODEL 1735 FOR:
LOT 44, CROSSWINDS
PROJECT ADDRESS: COLUMBIA COUNTY, FLORIDA
RHETT SMITHEY
LAKE CITY, FLORIDA

ARCOOT005
1/2" = 1'-0"

NICHOLAS PAUL BEISLER ARCHITECT
1755W Brown Rd.
Lake City, FL 32855
N.C.A. Reg. Certified (380) 65-4555

JOB NUMBER
20200312

SHEET NUMBER
S.4
OF 4 SHEETS