



E3901.6 GFI required within 36" of the outside edge of each lav. basin

NOTE: PLAN REVIEW EXCLUDES  
MECHANICAL, ELECTRICAL, AND  
PLUMBING REVIEW PER 2017 FBC  
A107.3.5 FIELD INSPECTOR  
WILL VERIFY COMPLIANCE WITH  
ALL APPLICABLE CODES.

REVISIONS SCHEDULE	
April 5th, 2017	PROPOSAL
FEB. 28th, 2019	REVISIONS



NOV 20 2019

Larry Hogan SEP 2014

EXAMINER - LICENSE NO.

LOT 43 ROLLING MEADOWS

## SPARKS CONSTRUCTION

LAKE CITY, FL

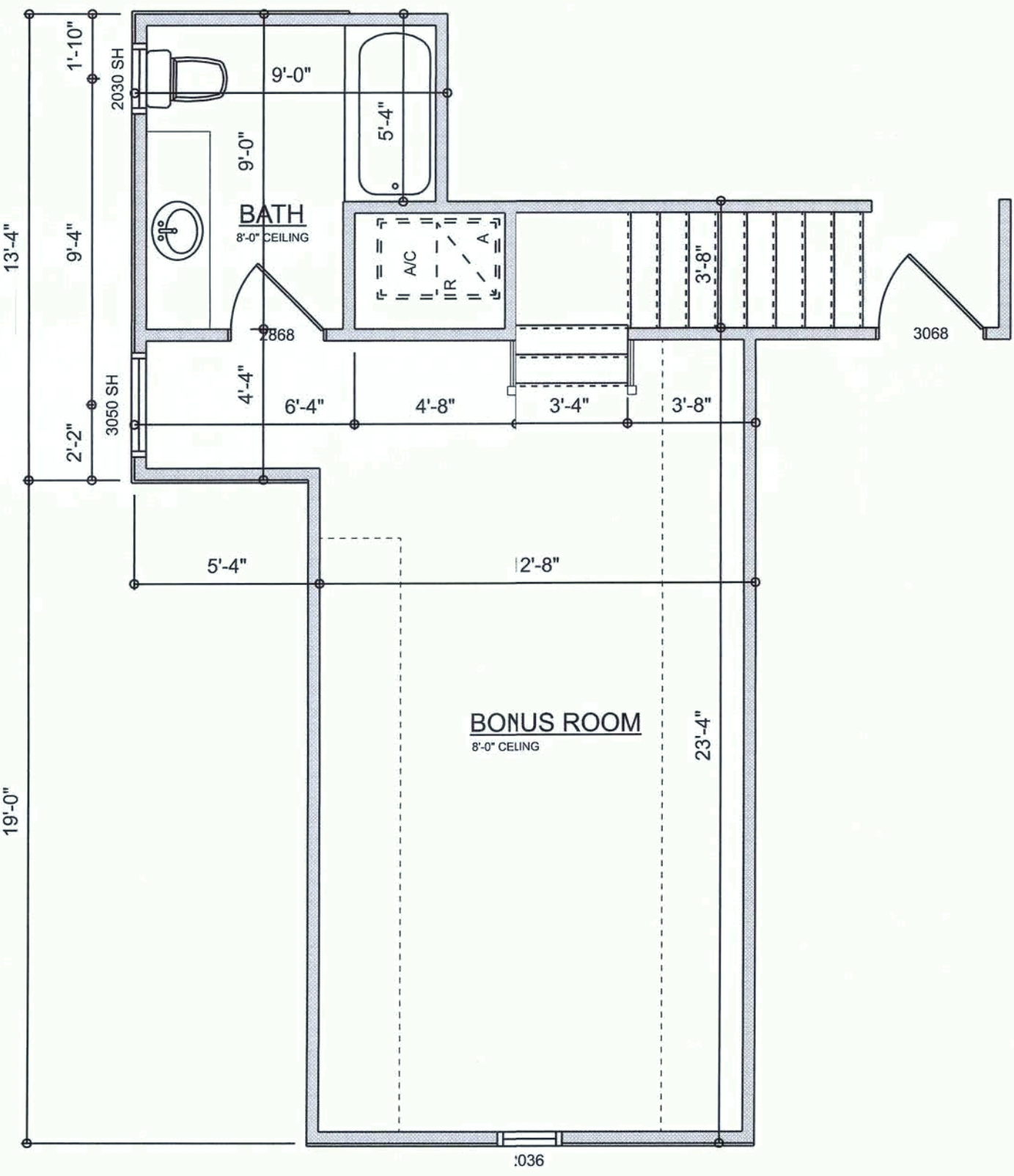


SHEET NUMBER

## A.1

OF 4 SHEETS

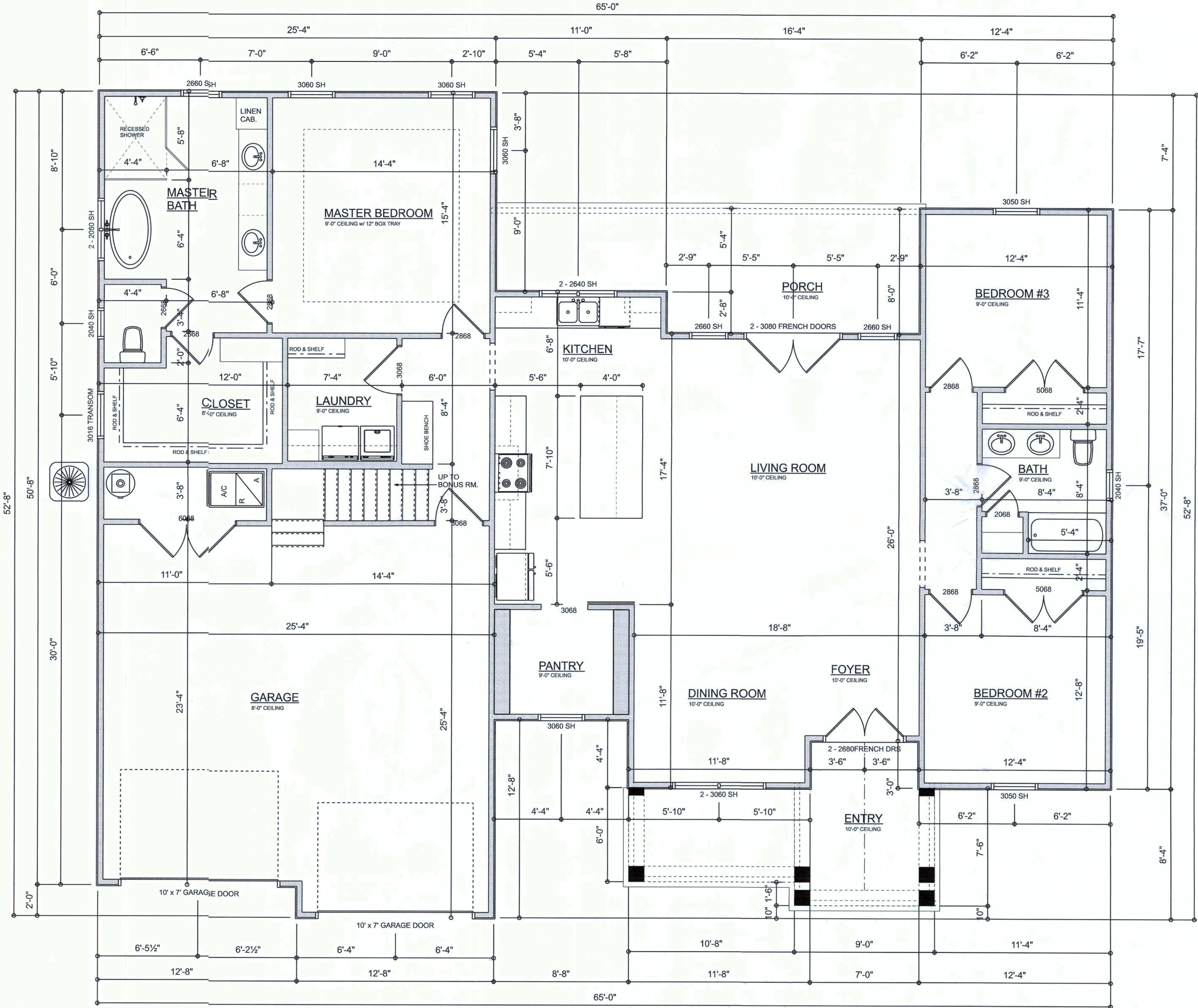





**BONUS ROOM**  
SCALE: 1/4" = 1'-0"

**AREA SUMMARY**

MAIN FLOOR	1,880	S.F.
BONUS ROOM	397	S.F.
HEATED & COOLED	2,277	S.F.
ENTRY PORCH	153	S.F.
COVERED PORCH	189	S.F.
GARAGE	648	S.F.
TOTAL AREA	3,267	S.F.



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



**RIDGEPOINT  
DESIGN**

818 WEST DUVAL STREET, LAKE CITY, FLORIDA 32055  
P. 386-288-1188  
E. RIDGEPOINTDESIGN@GMAIL.COM

LOT 43 ROLLING MEADOWS  
SPARKS CONSTRUCTION  
LAKE CITY, FL

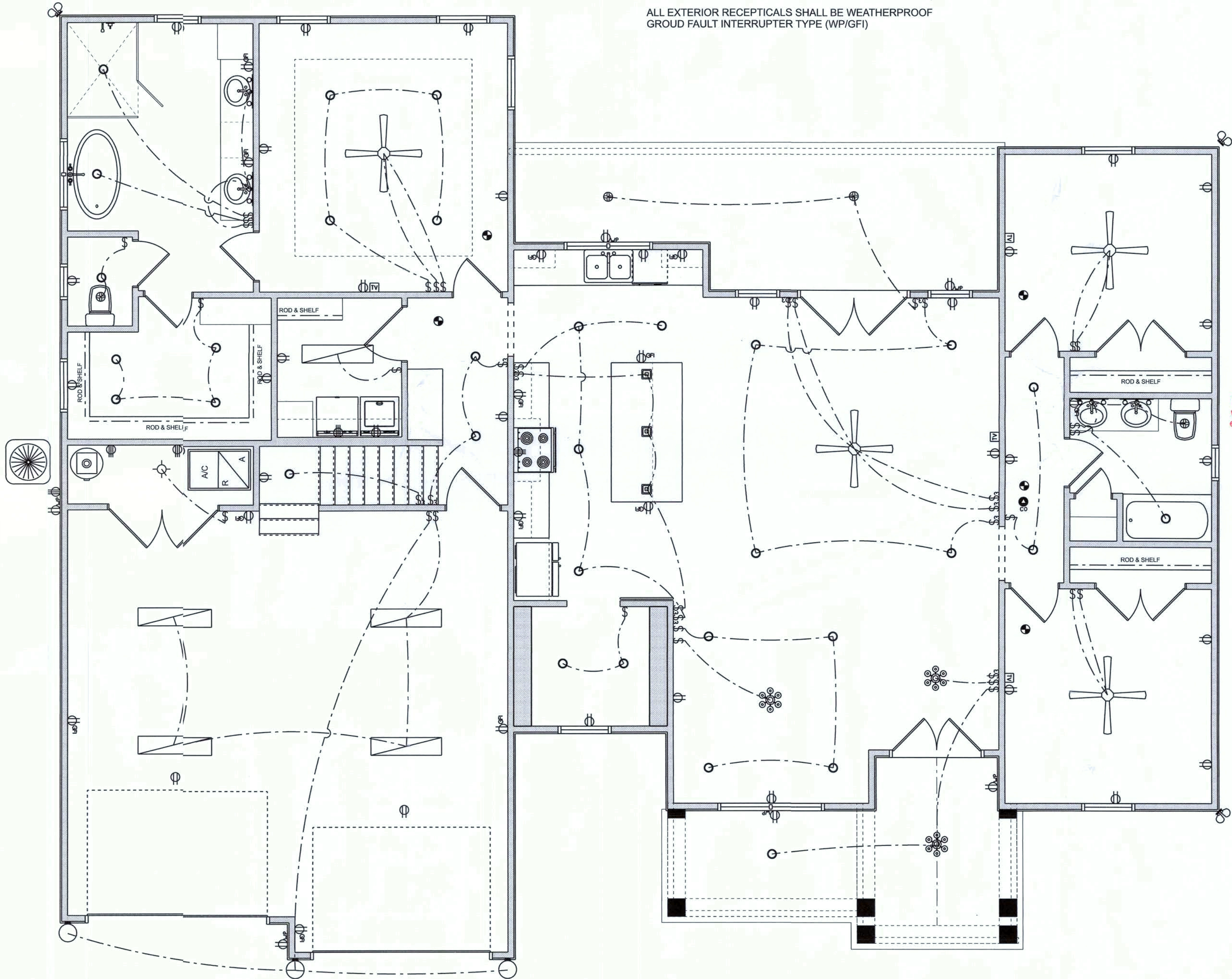
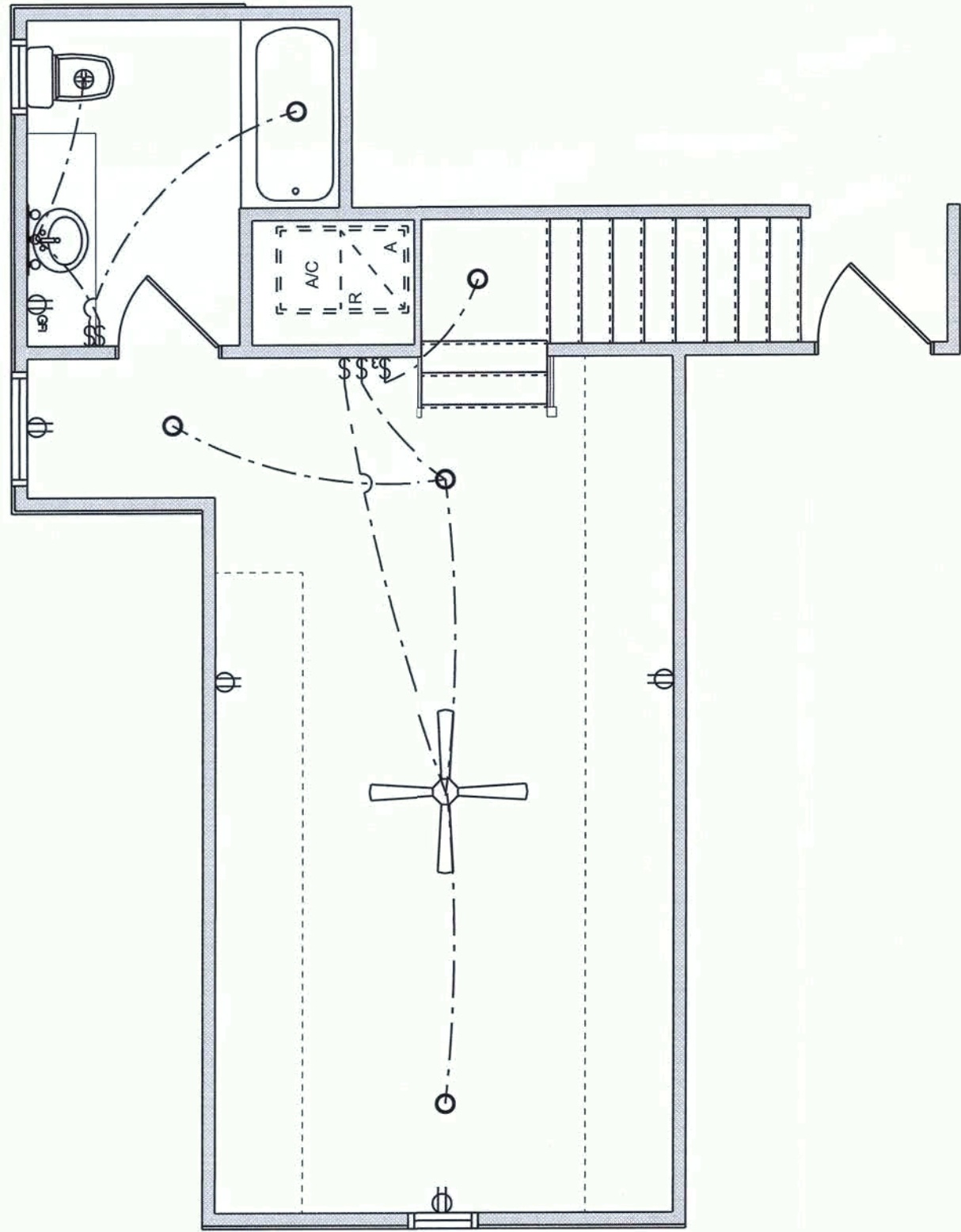


REVIEWED FOR  
CODE COMPLIANCE  
UNIVERSITY OF FLORIDA  
NOV 20 2019  
Larry Hogan SFP 304  
EXAMINER - LICENSE NO.

REVISIONS SCHEDULE		
APRIL 5TH, 2017	PROPOSAL	
FEB. 26TH, 2019	REVISIONS	



ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
CEILING FAN	5	
CAN LIGHT 6inch	37	
CHANDELIER	3	
FLUORESCENT LIGHT 1x4	5	
PENDANT LIGHT	3	
EXTERIOR SCONCE	3	
MOTION SECURITY LIGHT	3	
CABLE TV OUTLET	4	
CARBON DETECTOR	1	
EXHAUST FAN	5	
OUTLET	36	
OUTLET 220v	5	
OUTLET GFI	14	
OUTLET WP	6	
SMOKE DETECTOR	5	
STANDARD LIGHT	1	
SWITCH	29	
SWITCH 3 WAY	15	
VANITY BAR LIGHT - SMALL	5	



E3901.6 GFI required  
within 36" of the outside  
edge of each lav. basin

ELECTRICAL PLAN NOTES:

INSTALLATION SHALL BE PER 2017 NAT'L ELECTRIC CODE.

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS

CONSULT WITH THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED

ALL SMOKE DETECTORS SHALL BE 120v W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER. INSTALL INSIDE AND NEAR ALL BEDROOMS

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

ALL RECEPTICALS, NOT OTHERWISE NOTED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS

ALL RECEPTICALS IN WET AREAS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI)

ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI)

NOTE:  
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr. DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING / DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.  
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY

**RIDGEPOINT  
DESIGN**  
818 WEST DUVAL STREET, LAKE CITY, FLORIDA 32055  
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E: RIDGEPOINTDESIGN@GMAIL.COM

LOT 43 ROLLING MEADOWS  
SPARKS CONSTRUCTION  
LAKE CITY, FL

REVIEWED FOR  
CODE COMPLIANCE  
GENERAL ENGINEERING SERVICES, INC.  
NOV 20 2019  
Larry Hogan SFP 304  
LAWYER

REVISIONS SCHEDULE	
PROPOSAL	
April 5th, 2017	
REVISIONS	
FEB. 26th, 2019	



1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION FOR THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
3. 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 THAN 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.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KS.
6. CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - Fm = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE I OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.
11. 2x4 P/T WOOD GILL, CONT., ALL AROUND, W/ 5/8"-A.B. W/ 3" SQ. x 1/4" PLATE WASHERS WITHIN 12" FROM EACH CORNER, E.A. WAY, & WITHIN 8"-2" FROM ALL WALL OPENINGS / ENDS - 12"-A.B. W/ 2" SQ. WASHERS ALONG EACH RUN = 48" O.C., MAX., - ALL ANCHOR BOLTS SHALL HAVE A MINIMUM OF 8" EMBEDMENT INTO THE CONCRETE

Technical drawing showing a cross-section and plan view of a foundation and wall assembly.

**Cross-section details:**

- 8" CMU (Concrete Masonry Unit) wall.
- 8" CMU BOND BEAM w/ #5 BAR CONT./25" MIN. LAP.
- #5 ELLE X 18" X 18" @ 48" C.C. MAX. (Vertical reinforcement).
- #5 DOWELS @ 48" O.C. MAX. (Horizontal reinforcement).
- 2500 PSI CONC. FOOTING (Concrete Footing).
- 7" dimension for footing width on either side of the wall.
- 6" dimension for footing width under the bond beam.
- 20" dimension for total footing width.
- 18" dimension for the height of the bond beam.
- 6" dimension for the width of the bond beam.
- 10' dimension for the total height of the wall.
- 3' dimension for the height of the footing.

**Plan view details:**

- 2-#5 BARS CONTINUOUS ON WIRE OR PLASTIC CHAIRS (Horizontal reinforcement in the footing).

A  
S.I

**B**  
S.1

NOTE:  
THE DESIGN WIND SPEED FOR THIS  
PROJECT IS 130 MPH PER FBC 1609  
AND LOCAL JURISDICTION REQUIREMENTS

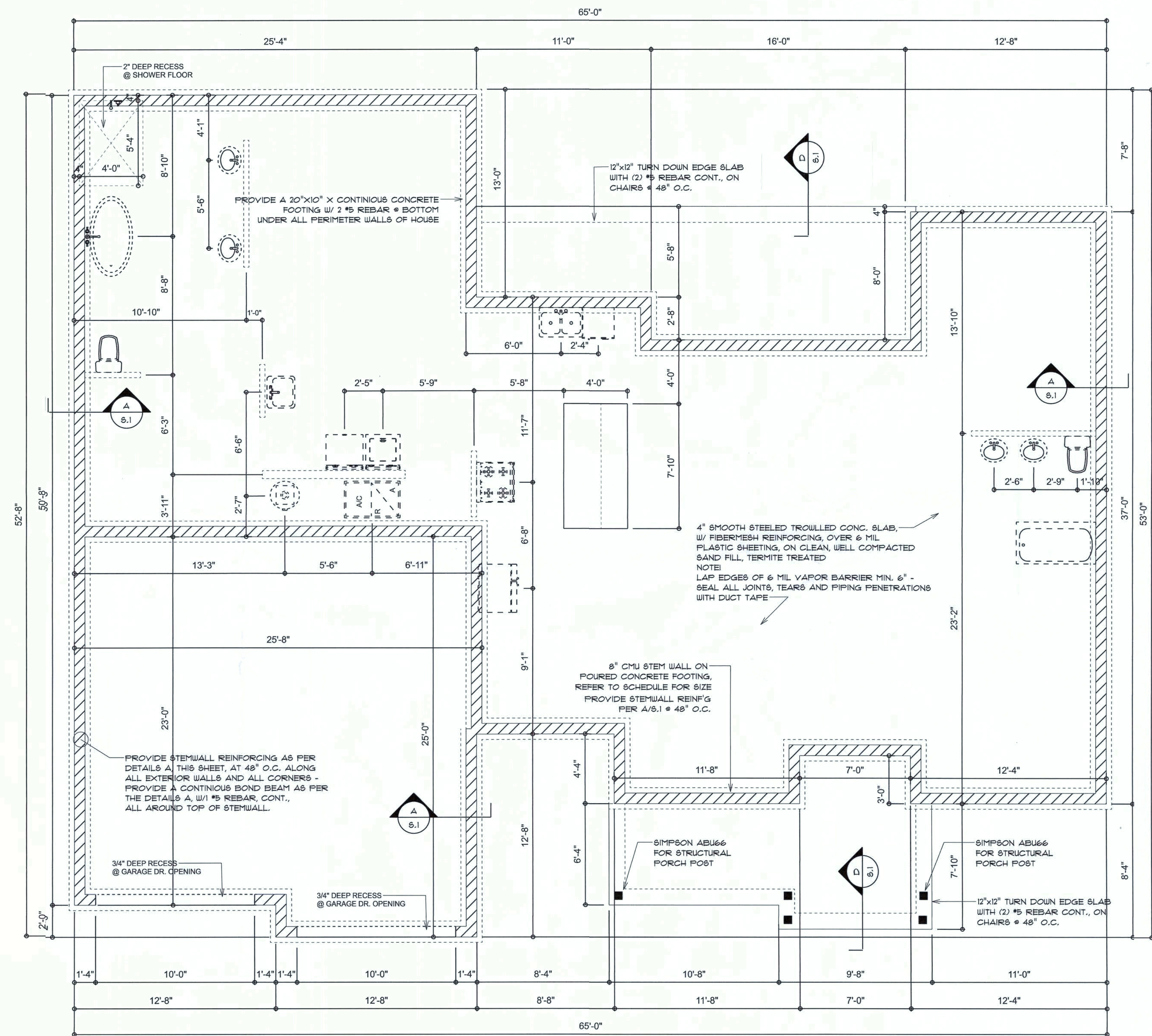
NOTE:  
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -  
EA. LIFT SHALL BE COMPACTED TO 98% DRY  
COMPACTION PER THE "MODIFIED PROCTOR"  
METHOD.

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

NOTE:  
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.

D  
S.I

SCALE: not to scale



## FOUNDATION PLAN

REVISIONS
APRIL 9th, 2019



NOV 20 2019  
Larry Hogan SFP 304

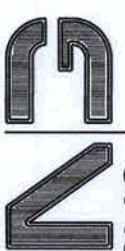
**EXAMINER – LICENSE NO.**

Lot 43 ROLLING MEADOWS  
LAKE CITY, FLORIDA 32024

LAKE CITY, FLORIDA 32024

## SPARKS CONSTRUCTION

426 SW COMMERCE DRIVE, LAKE CITY, FLORIDA



**NICHOLAS  
PAUL  
GEISLER  
ARCHITECT**  
N.C.A.R.B. Certified

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Lake City, FL 32055  
(386) 755-9021

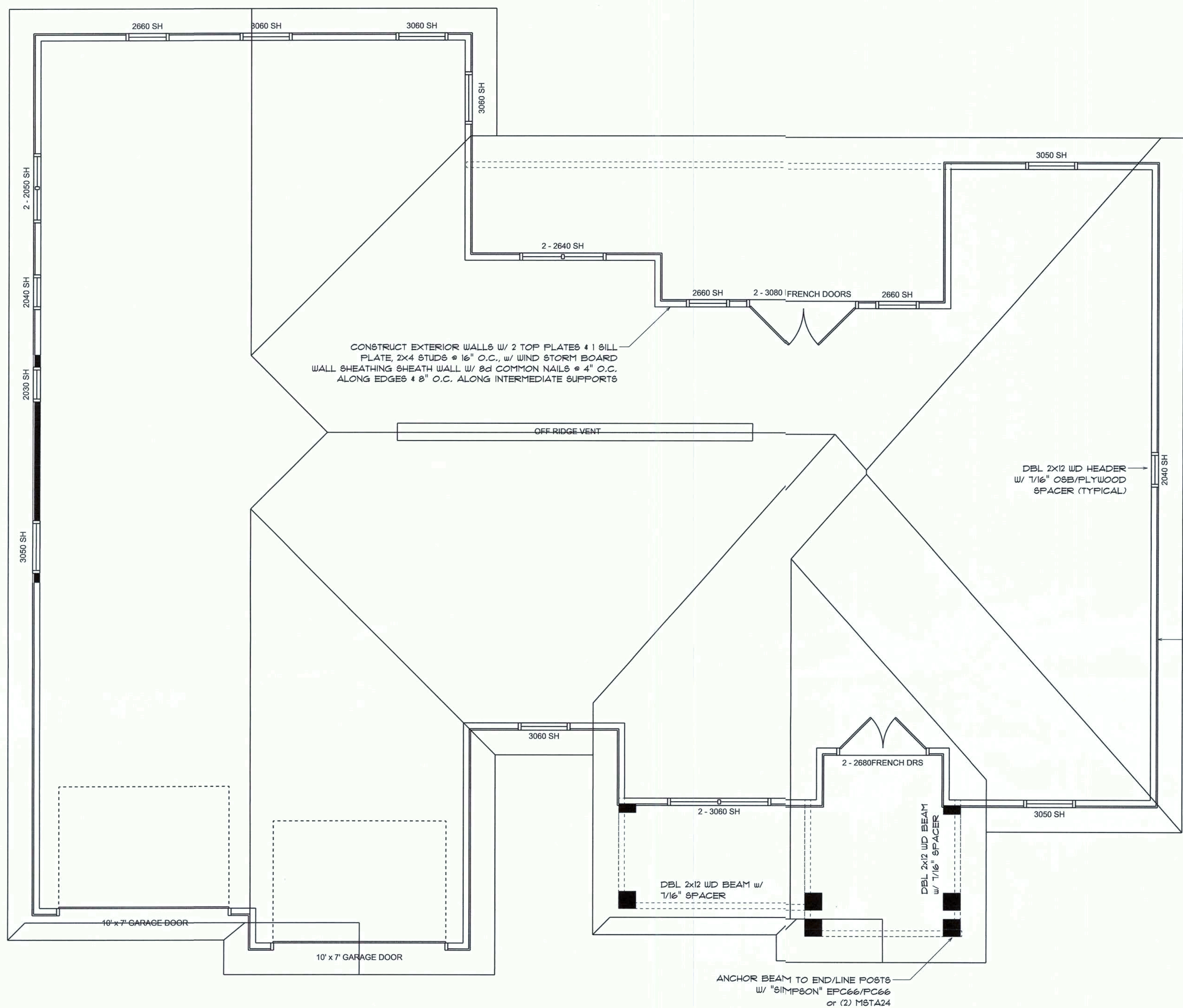
SHEET NUMBER

## S.1

OF 4 SHEETS

AR00007005





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.

ROOF PLAN NOTES

- R-1 SEE ELEVATIONS FOR ROOF PITCH  
R-2 ALL OVERHANG 18" (12" on gables) UNLESS OTHERWISE NOTED  
R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.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 NAIL - AS PER DETAIL ON SHEET SD.4

NOTE:  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

GENERAL TRUSS NOTES:

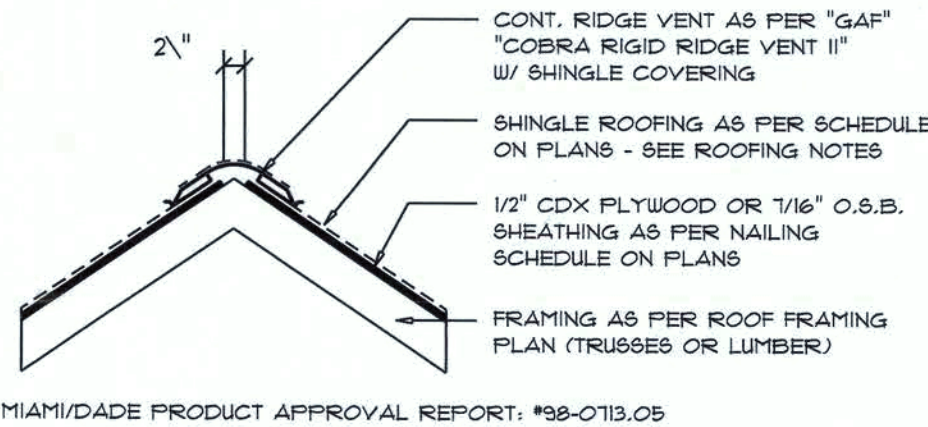
1. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST ED., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND 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.

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

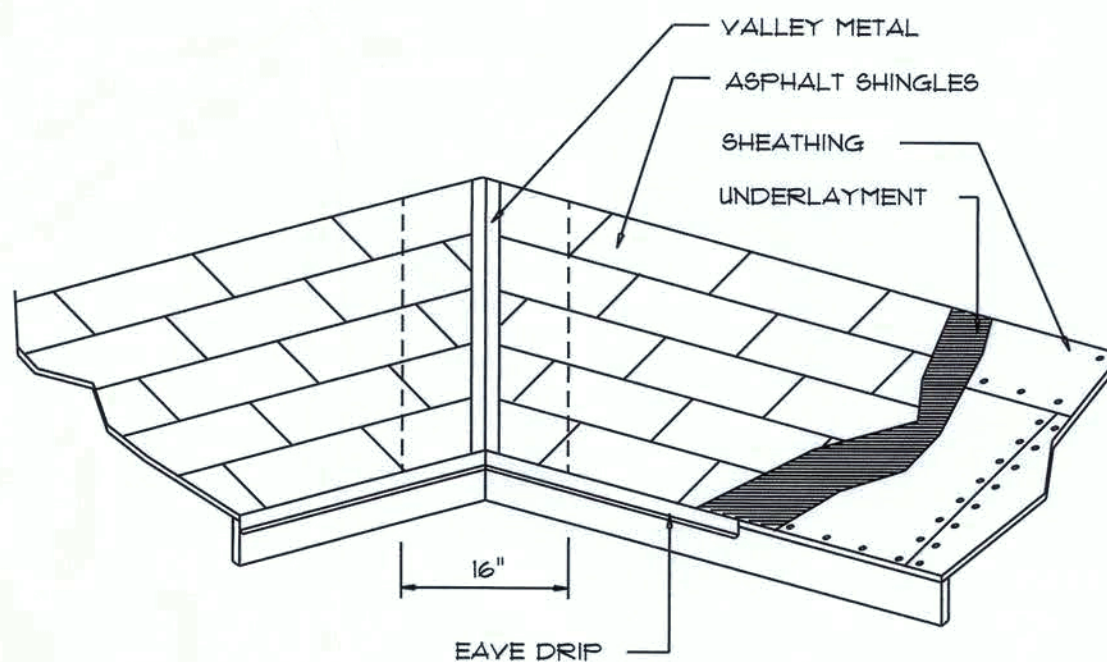
WOOD STRUCTURAL NOTES

1. TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES 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 CONNECTIONS.

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.
2500 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	0.0119	26 (ZINC COATED G30)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

REVISIONS

APRIL 9th, 2019



Lot 43 ROLLING MEADOWS  
LAKE CITY, FLORIDA 32024

SPARKS CONSTRUCTION

426 SW COMMERCE DRIVE, LAKE CITY, FLORIDA

NICHOLAS PAUL GEISLER ARCHITECT  
N.C.A.R.B. Certified

1758 NW Brown Rd.  
Lake City, FL 32055  
(386) 785-9071

SHEET NUMBER

S.2

OF 4 SHEETS





FLORIDA BUILDING CODE
Compliance Summary
TYPE OF CONSTRUCTION Roof: Gable Construction, Wood Trusses @ 24" O Walls: 2x4 Wood Studs @ 16" O.C. Floor: 4" Thk. Concrete Slab w/ Fiberglass Concrete Additive Foundation: Continuous Footer/Stem Wall
ROOF DECKING Material: 1/2" CD Plywood or 1/16" O.S.B. Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: 8d Common Nails per schedule on sheet A.1
SHEARWALLS Material: 1/2" CD Plywood or 1/16" O.S.B. Sheet Size: 48"x96" Sheets Placed Vertical Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Diaphragm: Double Top Flats (S.Y.P.) w/16d Nails @ 12" O.C. Wall Studs: 2x4 Studs @ 16" O.C.
HURRICANE UPLIFT CONNECTORS Truss Anchors: SIMPSON H2.5a or SDUC15600 @ Ea. Truss End (Typ. U.O.N.) Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot. Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. - 1st Bolt 12"-16" from corner Corner Hold-down Device: (1) HD5a @ each corner Porch Column Base Connector: Simpson ABU66 @ each column Porch Column to Beam Connector: Simpson EPC66/FC66 @ each column
FOOTINGS AND FOUNDATIONS Footings: 20"x10" X CONT., CONCRETE FOOTING w/ 2 #5 REBAR.

STRUCTURAL DESIGN CRITERIA:

1. THE DESGN COMPLIES WITH THE REQUIREMENTS OF THE 2011 FLORIDA BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. WIND LOAD CRITERIA: RISK CATEGORY: "B"

BASED ON ANSI/ASCE 7-10, 2011 FBC 1609-A WIND VELOCITY:  $V_{ULT} = 130$  MPH  
 $V_{ASD} = 101$  MPH

3. ROOF DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: ..... 20 PSF  
SUPERIMPOSED LIVE LOADS: ..... 20 PSF

4. FLOOR DESIGN LOADS:  
SUPERIMPOSED DEAD LOADS: ..... 25 PSF  
SUPERIMPOSED LIVE LOADS:  
RESIDENTIAL ..... 40 PSF  
BALCONIES ..... 60 PSF

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

- 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
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS 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 CEMENTIOUS FINISH LESS 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 FACES 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 5 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 \*LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THIS 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 FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TIE 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	MANUF'R/MODEL	CAP.
TRUSSES TO WALL:	SIMPSON H2.5a or SDUC15600 screws	600*
GIRDER TRUSSES TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785*
HEADER TO KING STUD(S):	SIMPSON ST22	1370*
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
STUD TO SILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
PORCH BEAM TO POST:	SIMPSON PC66/EPC66 or DBL M5TA24	1700*
PORCH POST TO FND.:	SIMPSON ABU66	2200*
MISC. JOINTS	SIMPSON A34	315*/240*

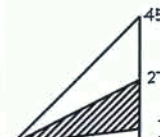
NOTE:  
ALL ANCHORS, SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:  
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/ JOINT REINFORCEMENT AND FASTENERS.

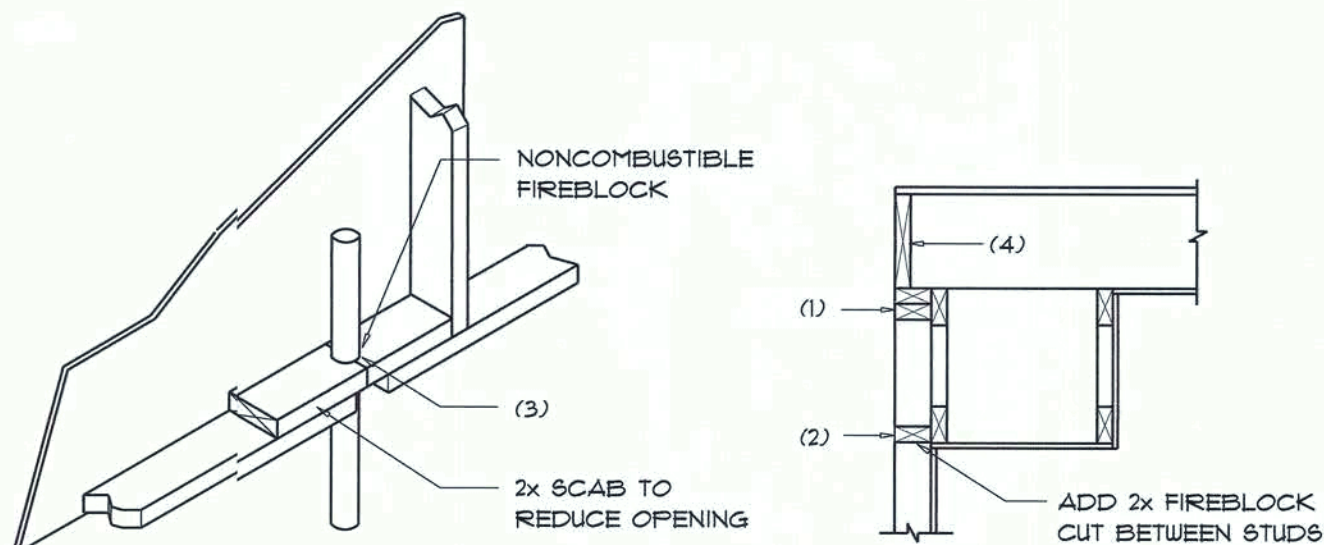
NOTE:  
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

NOTE:  
"SEMCO" PRODUCT APPROVAL:  
MIAMI/DADE COUNTY REPORT #35-0818.15

NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #37-0107.05, #36-1126.11, #39-0623.04  
SBCCI NER-443, NER-393

		BUILDING COMPONENTS & CLADDING LOADS MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B" ROOF ANGLE 1° TO 21°				
						
WIND ZONE	AREAS	Vult 120 MPH	Vult 120 MPH	Vult 130 MPH	Vult 140 MPH	
ROOF 1° TO 21°	1	10	12.0 / -19.9	14.9 / -23.1	17.9 / -27.8	20.9 / -32.3
	2	10	11.4 / -18.4	13.6 / -23.0	16.0 / -27.0	18.9 / -31.4
	2	50	10.0 / -18.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
	3	10	12.5 / -34.1	14.9 / -41.3	17.9 / -48.4	20.9 / -56.2
	3	20	11.4 / -31.9	13.6 / -38.0	16.0 / -44.6	18.9 / -51.1
	3	50	10.0 / -28.2	11.9 / -35.1	13.9 / -39.6	16.1 / -43.7
4	10	12.5 / -51.3	14.9 / -61.0	17.9 / -71.6	20.9 / -83.1	
	3	10	11.4 / -47.9	13.6 / -57.1	16.0 / -67.0	18.9 / -77.1
	3	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
WALL	4	10	21.8 / -23.6	25.9 / -34.1	30.4 / -33.0	35.3 / -38.2
	4	20	20.6 / -22.6	24.1 / -26.5	29.0 / -31.3	33.1 / -36.1
	4	50	19.5 / -21.3	23.2 / -26.4	27.3 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.1	30.4 / -40.7	35.3 / -47.2	
	3	10	20.8 / -27.2	24.1 / -32.4	29.0 / -34.0	33.1 / -40.4
	3	50	19.5 / -24.6	23.2 / -29.3	27.3 / -30.2	31.6 / -35.8

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	1.59
25	1.00	1.35	1.61
30	1.00	1.40	1.66



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 "FYTROPANEL 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

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 I, OR ASTM D 4869, TYPE I.

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 226 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 FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

- STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- 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 11 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 19 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
  - FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
    - BOTH TYPES 1 AND 2 ABOVE, COMBINED.
    - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
    - 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-3161 TYPE I MODIFIED TO 130 MPH WINDS & FBC TAB 100, USING 4 NAILS/SHINGLE

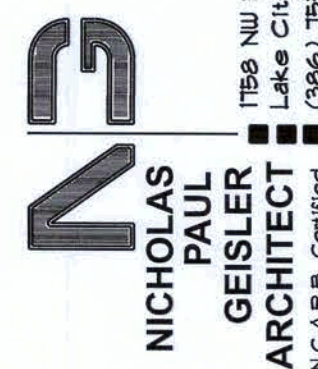
REVISIONS
APRIL 9th, 2019



Lot 43 ROLLING MEADOWS  
LAKE CITY, FLORIDA 32024

SPARKS CONSTRUCTION

426 SW COMMERCE DRIVE, LAKE CITY, FLORIDA



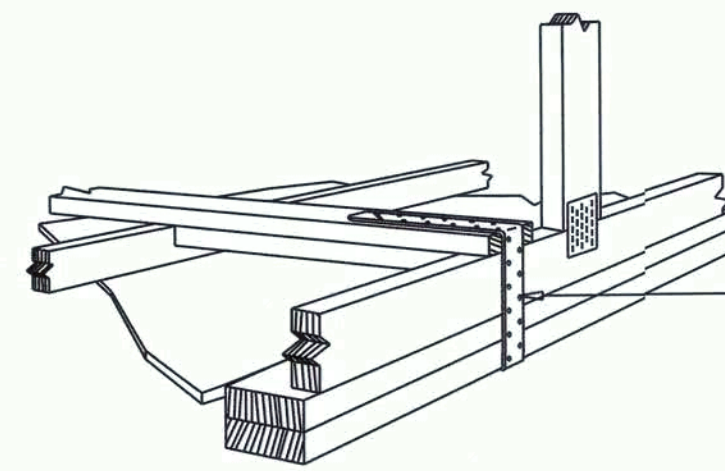
SHEET NUMBER

S.3

OF 4 SHEETS

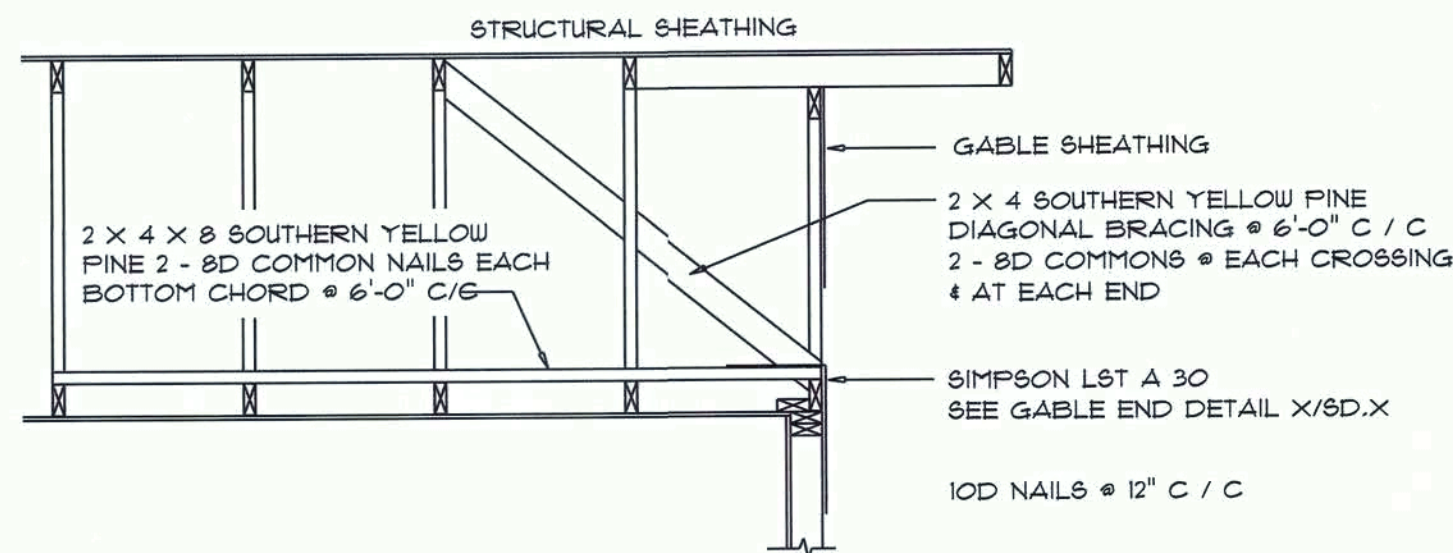






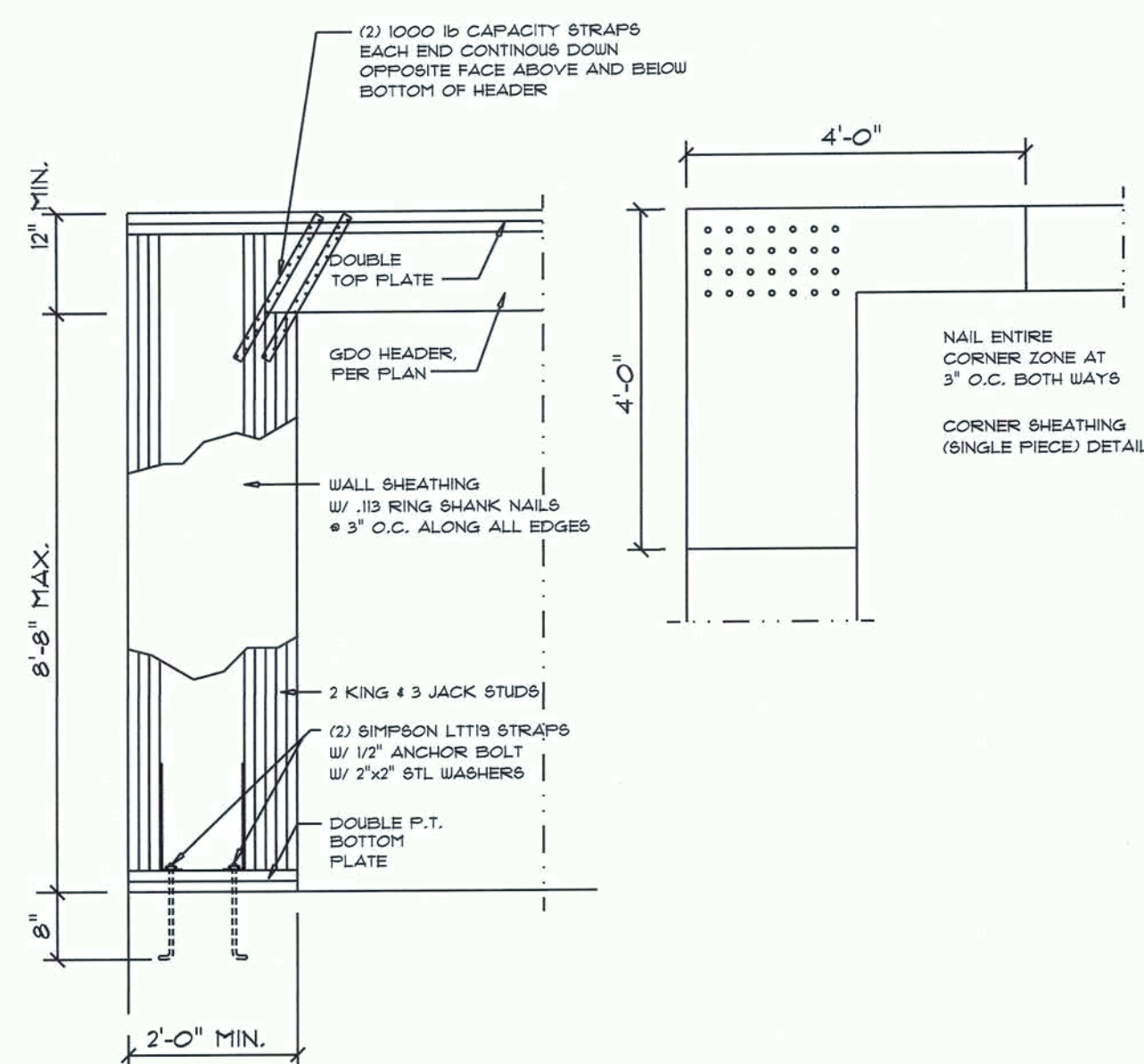
GABLE END GYPSUM DIAPHRAGM  
HOLDOWN CONNECTOR  
SCALE: NONE

A.1



END WALL BRACING FOR  
CEILING DIAPHRAGM  
NTS (ALTERNATIVE TO BALLOON FRAMING)  
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

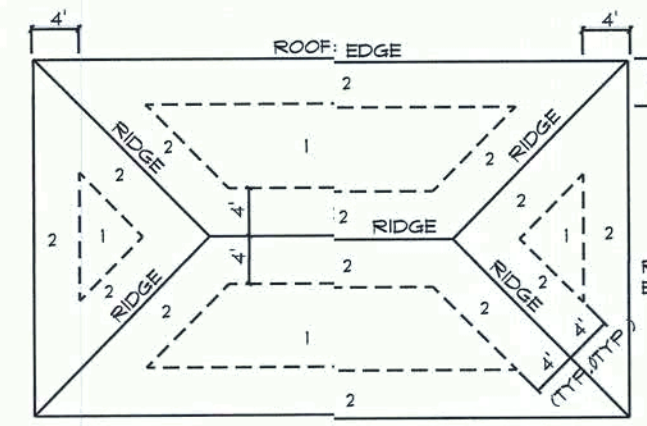
A



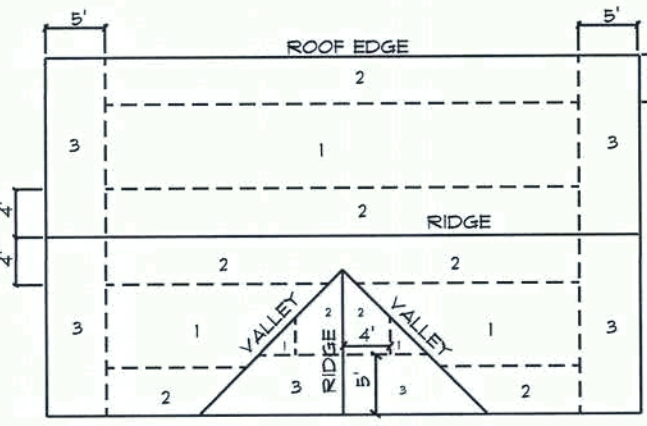
Garage End Wall DETAILS  
SCALE: 1/2" = 1'-0"

G

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 12 in. o.c. FIELD
2	1/2" O.S.B. OR 5/8" CDX	10d RING SHANKED NAILS	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



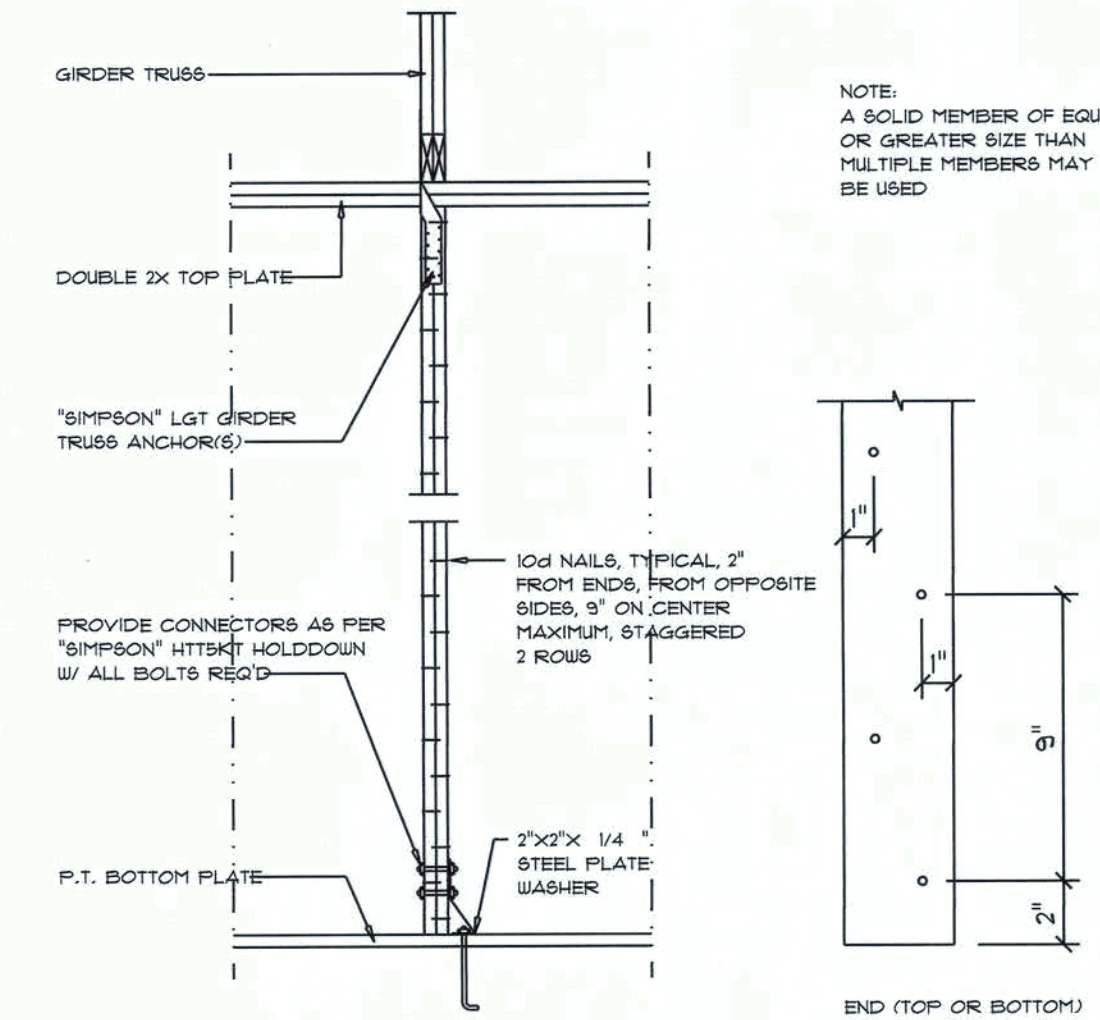
ROOF SHEATHING NAILING ZONES  
(HIP ROOF)



ROOF SHEATHING NAILING ZONES  
(GABLE ROOF)

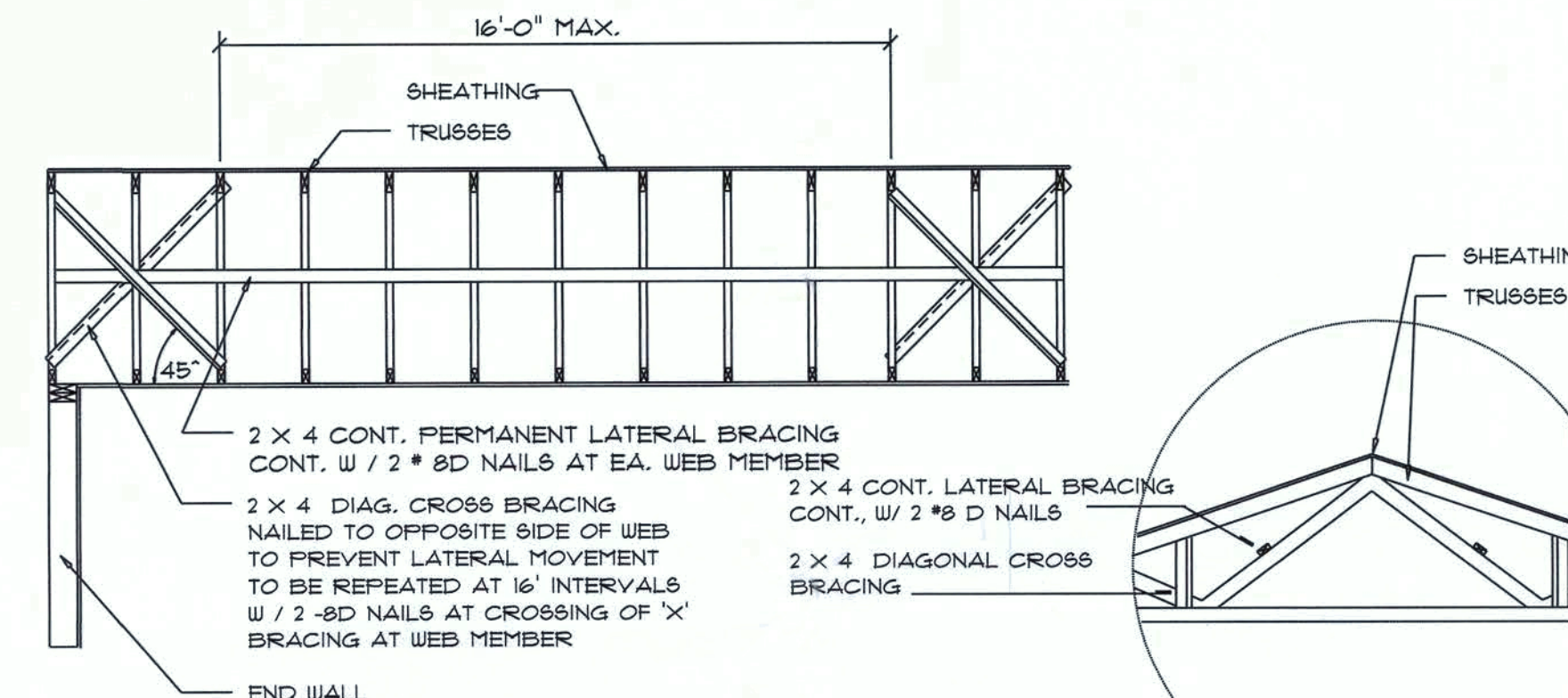
Roof Nail Pattern DET.  
SCALE: NONE

B



Girder Truss Column DET.  
SCALE: 1/2" = 1'-0"

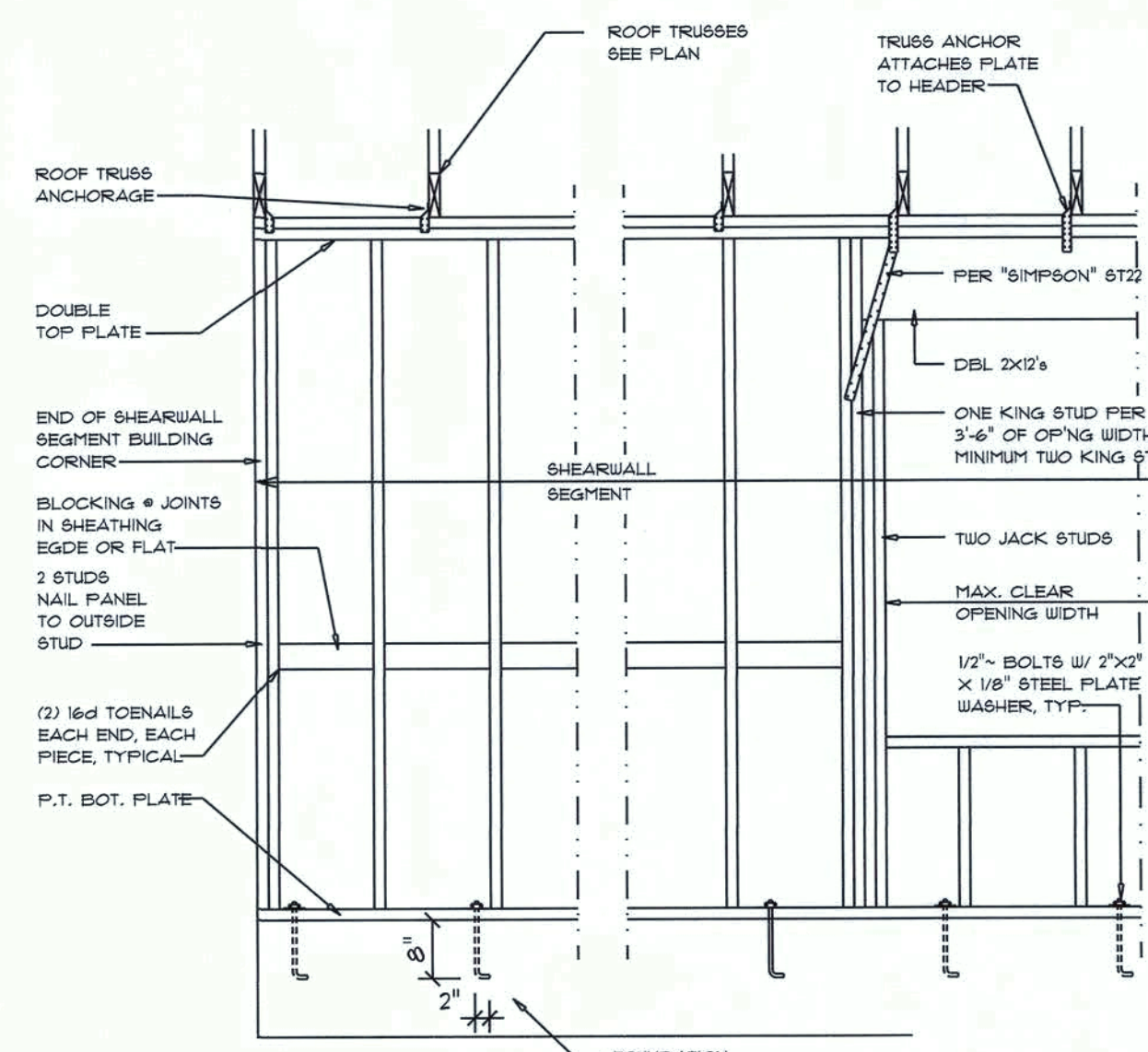
C



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

Truss Bracing DETAILS  
SCALE: AS NOTED

D

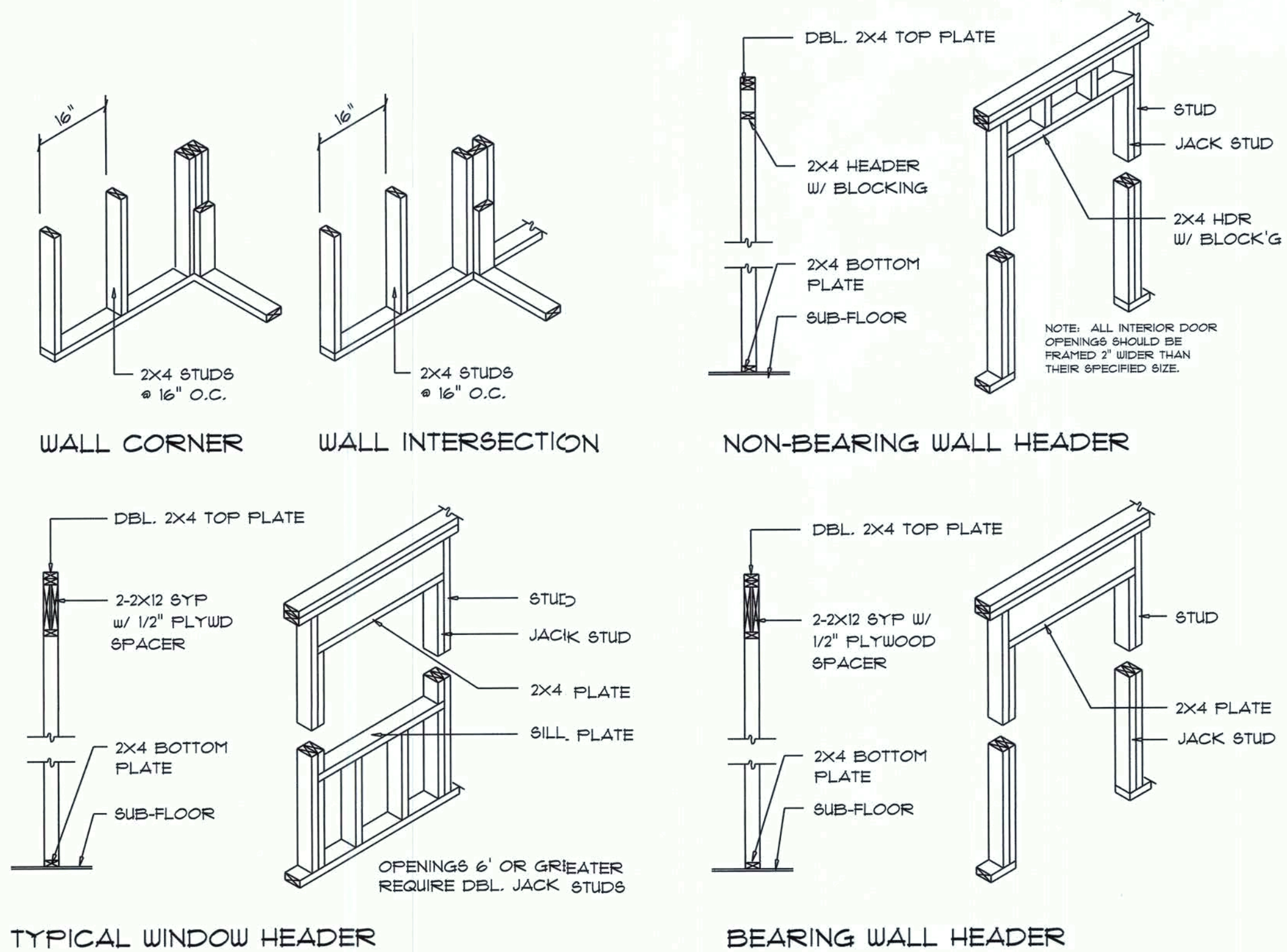


- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
  - THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" WINDSTORM BD INCLUDING AREAS ABOVE AND BELOW OPENINGS
  - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING
  - NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD
  - 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/33 FOR 6'-0" WALLS (17'-3").

OPENING WIDTH	SILL PLATES	1st 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  
SCALE: NONE

E



Wall Framing/Header DETAILS  
SCALE: NONE

F

REVISIONS
APRIL 9th, 2019

REVIEWED FOR  
CODE COMPLIANCE  
NOV 20 2019  
Lynn Higgins, SPP 304  
EXAMINER - LICENSE NO.

Lot 43 ROLLING MEADOWS  
LAKE CITY, FLORIDA 32024  
SPARKS CONSTRUCTION  
426 SW COMMERCE DRIVE, LAKE CITY, FLORIDA

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(904) 788-9071  
N.C.A.R.B. Certified

SHEET NUMBER  
S.4  
OF 4 SHEETS

AR0007005