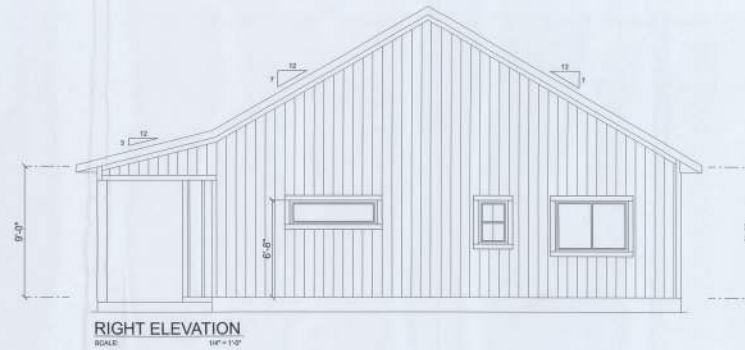
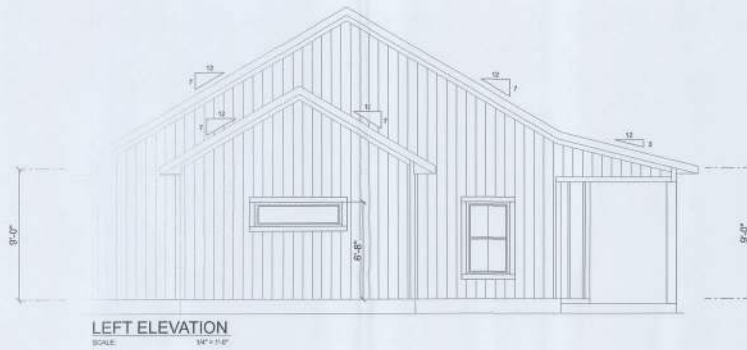
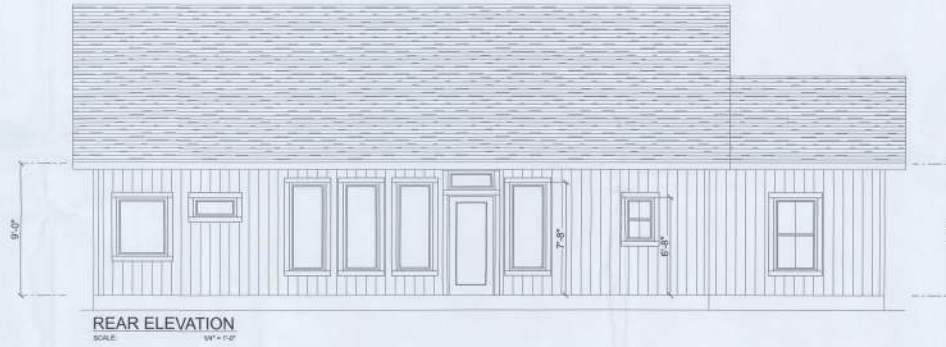




REVISIONS SCHEDULE		
PROPOSAL	Sep. 3rd, 2025	
REVISIONS	Oct. 10th, 2025	
REVISIONS	Oct. 16th, 2025	

CUSTOM HOME FOR:
MATHIS RESIDENCE
Collier County, FL

RIDGEPOINT DESIGN
340 SW ARLINGTON BLVD. 111, LAKELAND, FL 33805
P: 386-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.1
OF 3 SHEETS

ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
CEILING FAN	3	
CAN LIGHT 6inch	31	
CHANDELIER	1	
PENDANT LIGHT	2	
EXTERIOR SCONCE	1	
MOTION SECURITY LIGHT	4	
ELECTRIC PANEL	1	
AC DISCONNECT	2	
CABLE TV OUTLET	3	
CARBON DETECTOR	1	
EXHAUST FAN	2	
OUTLET	26	
OUTLET 220v	3	
OUTLET GFI	6	
OUTLET WP	6	
SMOKE DETECTOR	3	
STANDARD LIGHT	1	
SWITCH	22	
SWITCH 3 WAY	12	
VANITY BAR LIGHT - SMALL	3	

ELECTRICAL PLAN NOTES:

INSTALLATION SHALL BE PER LATEST NAT'L ELECTRIC CODE.
USE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT
PER MANUF. SPECIFICATIONS

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

ALL SMOKE DETECTORS SHALL BE 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.

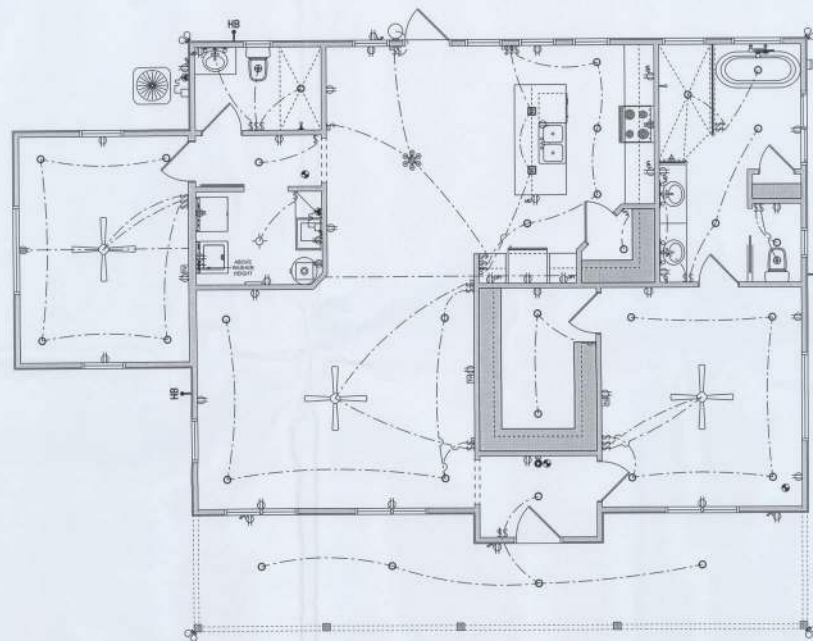
ELECTRICAL CONTR. SHALL PREPARE "AS-BUILT" SHOP
DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY
CHANGES TO THE ELEC. PLAN, ADDNS TO THE ELEC. PLAN,
RISK DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CTS
IDENTIFIED W/ CKT N. DESCRIPTION & BRKR. SERVICE ENT.
& ALL UNDERGROUND WIRE

LOCATIONS/ROUTING / DEPTH RISE DIA. SHALL INCLUDE
WIRE SIZES/TYPES & EQUIPMENT TYPE W/ RATINGS & LOADS

CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS
TO OWNER & 1 COPY TO THE PERM. ISSUING AUTHORITY.
ALL RECEPTICALS, NOT OTHERWISE NOTED, SHALL BE ARC
FAULT INTERRUPTER TYPE EXCEPT DESIGNATED 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)



ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"

REVISIONS SCHEDULE	
PROPOSAL	Sep. 3rd, 2025
REVISIONS	Oct. 10th, 2025
REVISIONS	Oct. 16th, 2025

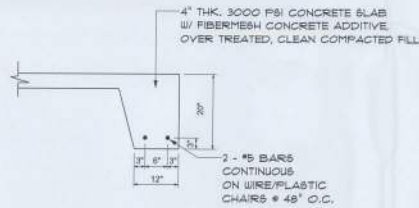
CUSTOM HOME FOR
MATHIS RESIDENCE
Columbia County, FL

**RIDGEPOINT
DESIGN**
1000 S. 10th St., Lake City, FL 33603
P: 386-288-2188
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER
A.3
OF 3 SHEETS

CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 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 PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GO. 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 FAD AREA OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 40 AND MEET THE REQUIREMENTS OF ASTM A615. ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX P.C. = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX P.C. = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - P.C. = 3000 PSI.
- 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 A308, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



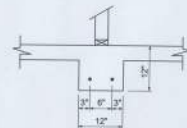
SECTION
SCALE: not to scale
A
5.1

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 90 MPH PER ASCE 7-09 AND LOCAL JURISDICTION REQUIREMENTS.

NOTE:
ADDED FILL SHALL BE APPLIED IN 6" LIFTS - EA. LIFT SHALL BE COMPACTION TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

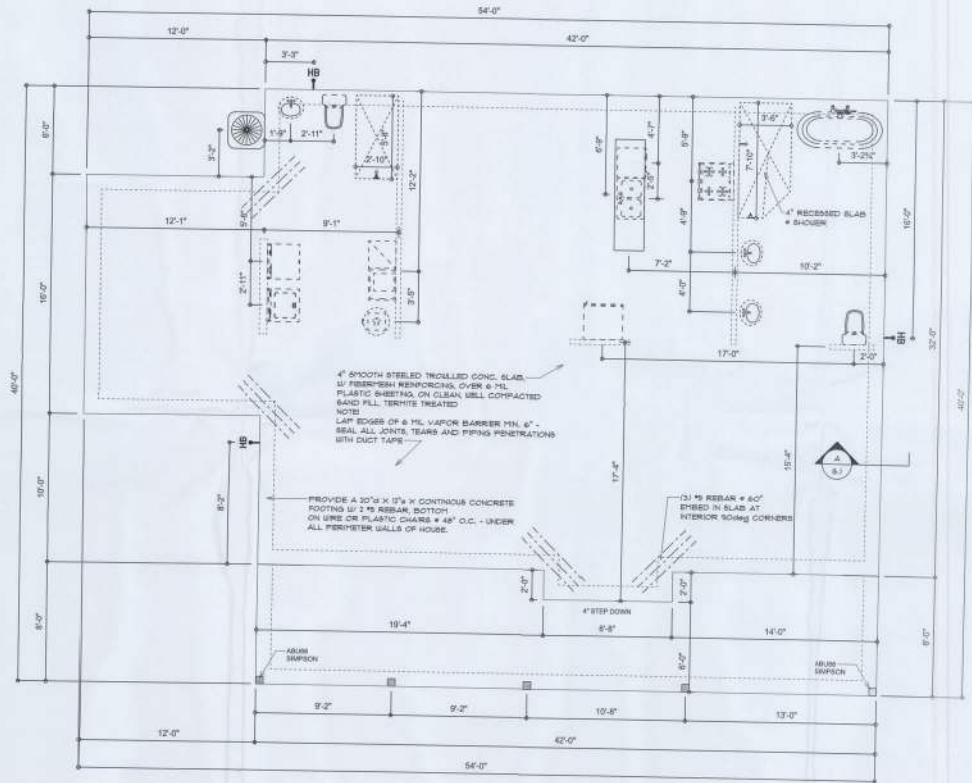
NOTE:
PROVIDE A MINIMUM OF TWO OPENINGS HAVING A TOTAL NET AREA OF NOT LESS THAN ONE SQUARE INCH FOR EVERY SQUARE FOOT OF ENCLOSED AREA SUBJECT TO FLOODING.

NOTE:
THE PROJECT IS DESIGNED IN ACCORDANCE WITH ASCE 24.



INTERIOR
BEARING FT'G
SCALE: 3/4" = 1'-0"
B
5.1

NOTE:
VERIFY INTERIOR BEARING WALLS WITH TRUSS MANUFACTURE DRAWINGS USE DETAIL "D" THIS PAGE AT ALL INTERIOR BEARING LOC.



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

REVISIONS
DATE: 10/18/2025

CUSTOM HOME FOR:
MATHIS RESIDENCE
Calverton County, FL

NICHOLAS
GENERAL
ARCHITECT
1000 4th Street, NE
Atlanta, GA 30309
(404) 525-1234

SHEET NUMBER
S.1
OF 4 SHEETS



STANDARD HEADER SCHEDULE

0'-0" UP TO 6'-0" OPENINGS

DOUBLE 3/4" x 1/2" SOUTHERN PINE WITH 1/2" ODB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.38" x 3" NAILS IN 2 ROWS x 2' O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON METAS TOP AND 1 - SIMPSON SPHAR BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUD EACH SIDE OF OPENING

6'-0" UP TO 9'-0" OPENINGS

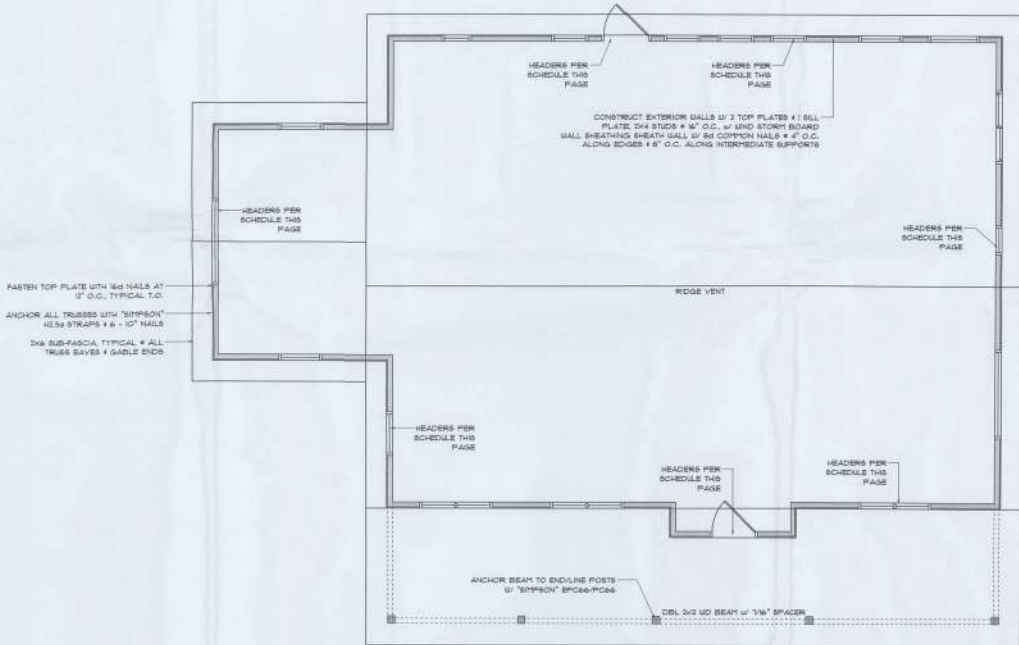
DOUBLE 3/4" x 1/2" SOUTHERN PINE WITH 1/2" ODB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.38" x 3" NAILS IN 2 ROWS x 2' O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON METAS TOP AND 3 - SIMPSON SPHAR BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

9'-0" UP TO 12'-0" OPENINGS

DOUBLE 3/4" x 1/2" SOUTHERN PINE WITH 1/2" ODB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.38" x 3" NAILS IN 2 ROWS x 2' O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON METAS EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

12'-0" GARAGE DOOR OPENINGS

3 PLY 1/2" x 1/2" ODB FLOORING LVL HEADER GLUED AND NAILED WITH 10d x 0.38" x 3" NAILS IN 3 ROWS x 2' O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON METAS EACH SIDE OF OPENING WITH 3 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING



ROOF FRAMING PLAN

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

NOTE:
ANCHOR GROUND TRUSSES TO HEADER WITH 3 "SIMPSON" LUGS (3 OR 4).
ANCHOR HEADER TO KING STUDS WITH 2 "SIMPSON" STRS EA. END - TYP. - T.O.

ROOF PLAN NOTES

- R-1 SEE ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANGS 18" IF ON GUTTER (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 PLUMB AND HEAD HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

NOTE:
SHEATH ROOF WITH 1/2" CDX PLYWOOD PLACED WITH LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES. SECURE TO TRUSSING WITH 8d NAILS - AS PER DETAIL ON SHEET SD-4

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 150 MPH PER FBC 2003 AND LOCAL JURISDICTION REQUIREMENTS

GENERAL TRUSS NOTES:

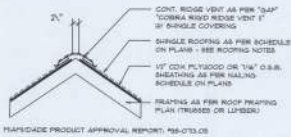
- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FOREST PRODUCTS ASSOCIATION MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST EDITION, ALONG WITH THE TRUSS PLATE INSTITUTE'S "GUIDELINES FOR TEMPORARY AND PERMANENT BRACING AND HANDLING OF TRUSSES". TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, ETC. 1 TRUSS TO TRUSS CONNECTIONS.
- TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- 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 ANCHORS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OR LIAISON PROVIDED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGES SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THE STRUCTURE.

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

- 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.
- 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.
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN 2x2 HEY-PINE OR BETTER.
- 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.

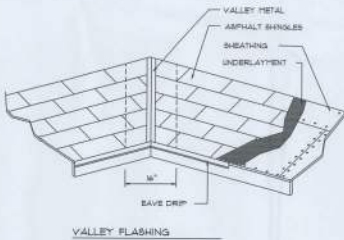
AREA OF ATTIC	NEED L.F. OF VENT	NET FREE AREA OF INTAKE
8000 SF	32 LF	410 SQ. IN.
7000 SF	28 LF	400 SQ. IN.
6000 SF	24 LF	310 SQ. IN.
5000 SF	20 LF	260 SQ. IN.
4000 SF	16 LF	210 SQ. IN.
3000 SF	12 LF	160 SQ. IN.



Ridge Vent DETAIL

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

(B)



ROOFING METALS FOR FLASHING/ROOFING			
MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (LBS./SQ. FT.)
COPPER			16
ALUMINUM	0.034		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0175	36 (ZINC COATED GRAY)	
ZINC ALLOY LEAD PAINTED TERRAZO	0.007		40 30

Roofing/Flashing DETS.

SCALE: NONE

(A)

REVISIONS
Oct. 18th, 2025

CUSTOM HOME FOR:
MATHIS RESIDENCE
Columbia County, IL

NICHOLAS PAUL
OWNER
ARCHITECT
1100 S. 2nd Street, Suite 100
Columbia, MO 65202
Tel: 660-784-5020

SHEET NUMBER
S.2
OF 4 SHEETS



FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Hip Construction, Steel Trusses # 24" O.C.	
Wall: 2nd Wood Stud # 8" O.C.	
Floor: 4" Thk. Concrete Slab w/ Fiberglass Concrete Additive	
Foundation: Continuous Footer/Blas Wall	
ROOF DECKING	
Material: 1/2" CDX Plywood or 7/8" O.S.B.	
Sheet Size: 48" x 96" Sheets Perpendicular to Roof Framing	
Fastener: 8d Ring Shank per schedule on sheet 8.4	
SHAKESHALES	
Material: 7/8" O.S.B. UNDERSTORY BOARD	
Sheet Size: 48" x 96" Sheets Placed Vertical	
Fastener: 8d Common Nails # 4" O.C. Edges & 8" O.C. Interior	
Dragonair: Double Top Plate (8" x 12" x 1/2" Nails # 12" O.C.	
1st Stud: 2x4 Stud # 8" O.C.	
HURRICANE UPLIFT CONNECTORS	
Truss Anchor: Simpson LBA & BA Truss End (Tie) (20' x 1/2")	
Wall Tie-down: 1st Sheathing Nailing is Astepace - 8d # 4" O.C. Top & Bot.	
Anchor Bolt: 12" x 3/4" Bolt # 48" O.C. - 1st Bolt (7' x 4" from corner)	
Corner Hold-down Device: (1) HTS # each corner	
Perch Column Base Connection: Simpson ABUS # each column	
Perch Column to Base Connection: Simpson EPUS/PCAS # each column	
FOOTINGS AND FOUNDATIONS	
Footings: 20" x 12" x 12" CONCR. CONCRETE FOOTING w/ 3 #5 REBAR.	
1st Footings: 2' x 2' x 12" CONCR. on compacted stone # 48" O.C.	

STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2003 FLORIDA BUILDING CODE - SECTION 605 AND OTHER RELEVANT CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.

2. END LOAD CRITERIA: RISK CATEGORY: 1, EXPOSURE 'B'

BASED ON ANCHORAGE TO 3003 FBC WIND-BASED VELOCITY: $V_{50} = 130$ MPH

3. ROOF DESIGN LOADS:

SUPERIMPOSED DEAD LOADS: 30 PSF

SUPERIMPOSED LIVE LOADS: 30 PSF

4. FLOOR DESIGN LOADS:

SUPERIMPOSED DEAD LOADS: 25 PSF

SUPERIMPOSED LIVE LOADS: 40 PSF

BALCONIES: 60 PSF

5. END-USE UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROTECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT BISH GUSH IDENTIFIES THE TERMITE INFESTATION PROVIDER AND NEED FOR INSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE BISH SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 903.4.4

2. CONDENSATE AND ROOF DRAINAGE SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 903.4.4

3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 903.4.4

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PLANT AND DECORATIVE CEMENTOUS FINISHES LESS THAN 6" THICK, ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 903.4.4

5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 903.4.4

6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOVED OR FORMED. FBC 903.4.4

7. MOVED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPPS, ETC. SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE OBSTACLES OF SOIL AFTER THE INITIAL TREATMENT. FBC 903.4.4

8. PERIMETER & PLS VAPOR BARRIER MUST BE INSTALLED TO PROTECT AGAINST MAXIMUM CRACKING. IF RAINFALL OCCURS BEFORE VAPOR BARRIER PLACEMENT, RETREATMENT IS REQUIRED. FBC 903.4.4

9. CONCRETE OVERPOUR AND PORTLAND ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 903.4.4

10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE BODILY. FBC 903.4.4

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 903.4.4

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 903.4.4

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 SUBTERNEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES." FBC 903.4.4

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, THE TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 903.4.4

15. NO GOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC. SHALL BE BURIED WITHIN 8'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 903.4.4

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFACTURER	CAP.
TRUSS TO WALL:	SIMPSON LBA & BA	600P
ANCHOR TRUSS TO POST/HEADER:	SIMPSON LST, W/ 28" x 16d NAILS	788P
HEADER TO KING STUDS:	SIMPSON BT22	170P
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING UNDERSTORY BOARD	170P
STUD TO STUD:	NO CONNECTION REQ. WHEN USING UNDERSTORY BOARD	220P
POURCH BEAM TO POST:	SIMPSON PCAS/EPUS	38P/240P
POURCH POST TO FID:	SIMPSON ABUS	
MISC. JOINTS	SIMPSON AS34	

NOTE: ALL ANCHORS SHALL BE SECURED BY 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 AS34 FRAMING ANCHORS, TYPICAL T.O.

NOTE: "SIMPSON" PRODUCT APPROVALS:

MANUFACTURE COUNTY REPORT #MS-098.15

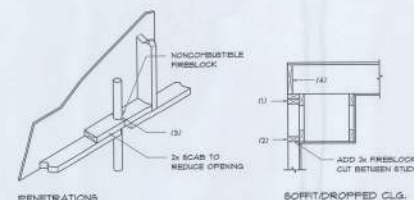
NOTE: "SIMPSON" PRODUCT APPROVALS:

MANUFACTURE COUNTY REPORT #S1-0101.05, #S6-026.11, #S8-023.04

SECCI NBR-445, NBR-533

BUILDING COMPONENTS & CLADDING LOADS		MEAN BUILDING HEIGHT = 30.0', EXPOSURE 'B'			
ROOF ANGLE T TO 37°		VALLEY			
WIND DIRECTION	WIND SPEED (MPH)	VALLEY	VALLEY	VALLEY	VALLEY
		10' TYP.	30' TYP.	50' TYP.	140' TYP.
1	10	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0
	20	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1
	30	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2
	40	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3
2	10	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0
	20	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1
	30	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2
	40	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3
3	10	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0
	20	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1
	30	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2
	40	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3
4	10	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0	10.0 / 10.0
	20	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1	14.1 / 14.1
	30	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2	18.2 / 18.2
	40	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3	22.3 / 22.3

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING		EXPOSURE 'B'	
BUILDING HEIGHT	COEFFICIENT	EXPOSURE 'B'	EXPOSURE 'B'
0	1.0	1.0	1.0
10	1.0	1.0	1.0
20	1.0	1.0	1.0
30	1.0	1.0	1.0
40	1.0	1.0	1.0
50	1.0	1.0	1.0
60	1.0	1.0	1.0
70	1.0	1.0	1.0
80	1.0	1.0	1.0
90	1.0	1.0	1.0
100	1.0	1.0	1.0



PENETRATIONS

SOFFIT/DROPPED CLG.

FIRESTOPPING NOTES:

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

- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING TUNNEL SPACES AT CEILING AND FLOOR LEVELS.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROPPED CEILING, GOVE CEILING, ETC.
- AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROFLEX" MULTIPLE RESISTANT.
- AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND OPENINGS CREATED BY AN ASSEMBLY OF FLOOR JOISTS. FIRESTOPPING 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 3:12 OR GREATER. FOR ROOF SLOPES FROM 3:12 TO 4:12, GEL UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:

UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM TO ASTM D 226, TYPE 1 OR ASTM D 485, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:

SELF-ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY WITH ASTM D 7510.

ASPHALT SHINGLES:

ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 328 OR ASTM D 3442.

FASTENERS:

FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 1/2 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 SINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. SHINGLES LOCATED IN BASIC WIND SPEED OF 100 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 328 OR ASTM D 3442.

UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FROM 3:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

1. STARTING AT THE EAVE, A 1/2 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 8 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

3. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 8 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPES 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 PARALLEL TO THE EAVE, LAPPED 3 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHING:

BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH FRANK'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF OTHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.015 INCH OR MINIMUM SURFACE ROLL FORMING UNLESS A MINIMUM OF 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.015 INCH.

VALLEYS:

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

1. FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 1/2" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 903.4.3.

2. FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF FIBERGLASS SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 8 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 COMBINED.

2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 226.

3. SPECIALLY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 7510.

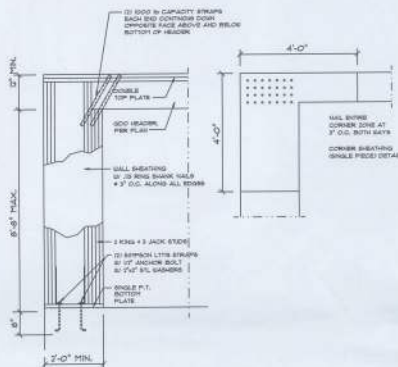
REVISIONS	DATE	BY
	04.18.2025	

CUSTOM HOME FOR:
MATHIS RESIDENCE
Collier County, FL

NICHOLAS
PAUL
GILBERT
ARCHITECT
1900 NE 13th Ave, Suite 2000
Fort Lauderdale, FL 33304
954.561.1000

SHEET NUMBER
S.3
OF 4 SHEETS

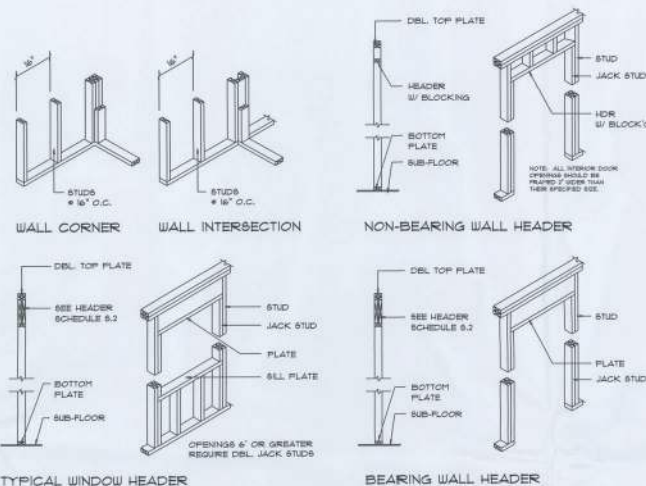




Garage End Wall DETAILS

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

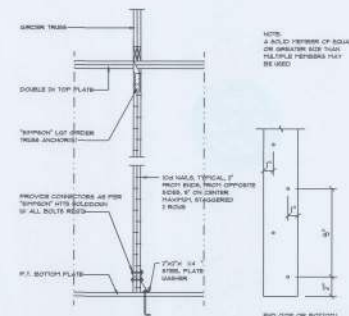
G



Wall Framing/Header DETAILS

SCALE: NONE

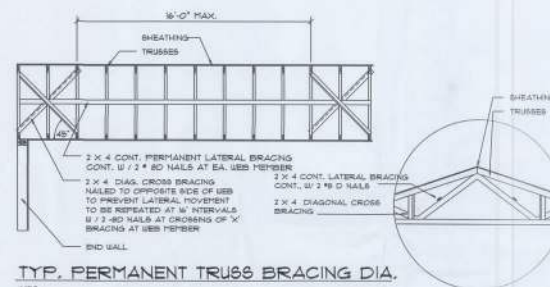
F



Girder Truss Column DET.

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

C



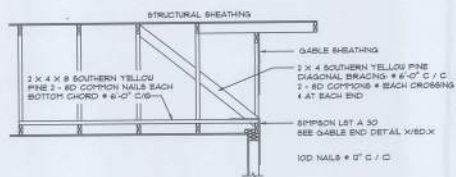
TYP. PERMANENT TRUSS BRACING DIA.

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

D

Truss Bracing DETAILS

SCALE: AS NOTED



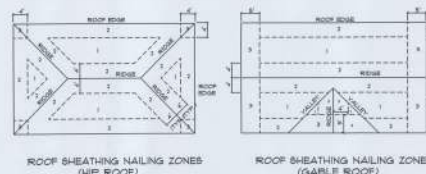
END WALL BRACING FOR CEILING DIAPHRAGM

NTS (ALTERNATIVE TO BALLOON FRAMING)

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

A

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1	1/2" x 4" GAB.	2 1/2" x 10" RING SHANK NAIL	6" x 4" FIELD
2	OR 2" x 4" GAB.	2 1/2" x 10" RING SHANK NAIL	6" x 4" FIELD
3	2" x 4" GAB.	2 1/2" x 10" RING SHANK NAIL	6" x 4" FIELD



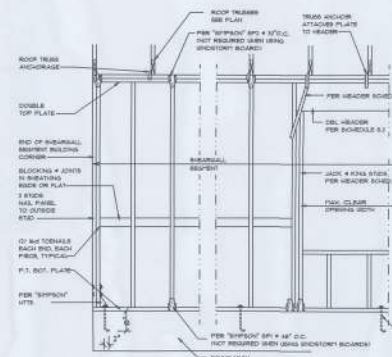
Roof Sheathing Nailing Zones (HIP ROOF)

Roof Sheathing Nailing Zones (GABLE ROOF)

Roof Nail Pattern DET.

SCALE: NONE

B



Shear Wall DETAILS

SCALE: NONE

E

REVISIONS
CHG 10/10/2025

CUSTOM HOME FOR:
MATHIS RESIDENCE
Colombia County, FL

NICHOLAS PAUL GIESLER ARCHITECT
P.A. 10000, Columbia County, FL 32050

SHEET NUMBER
S.4
OF 4 SHEETS

