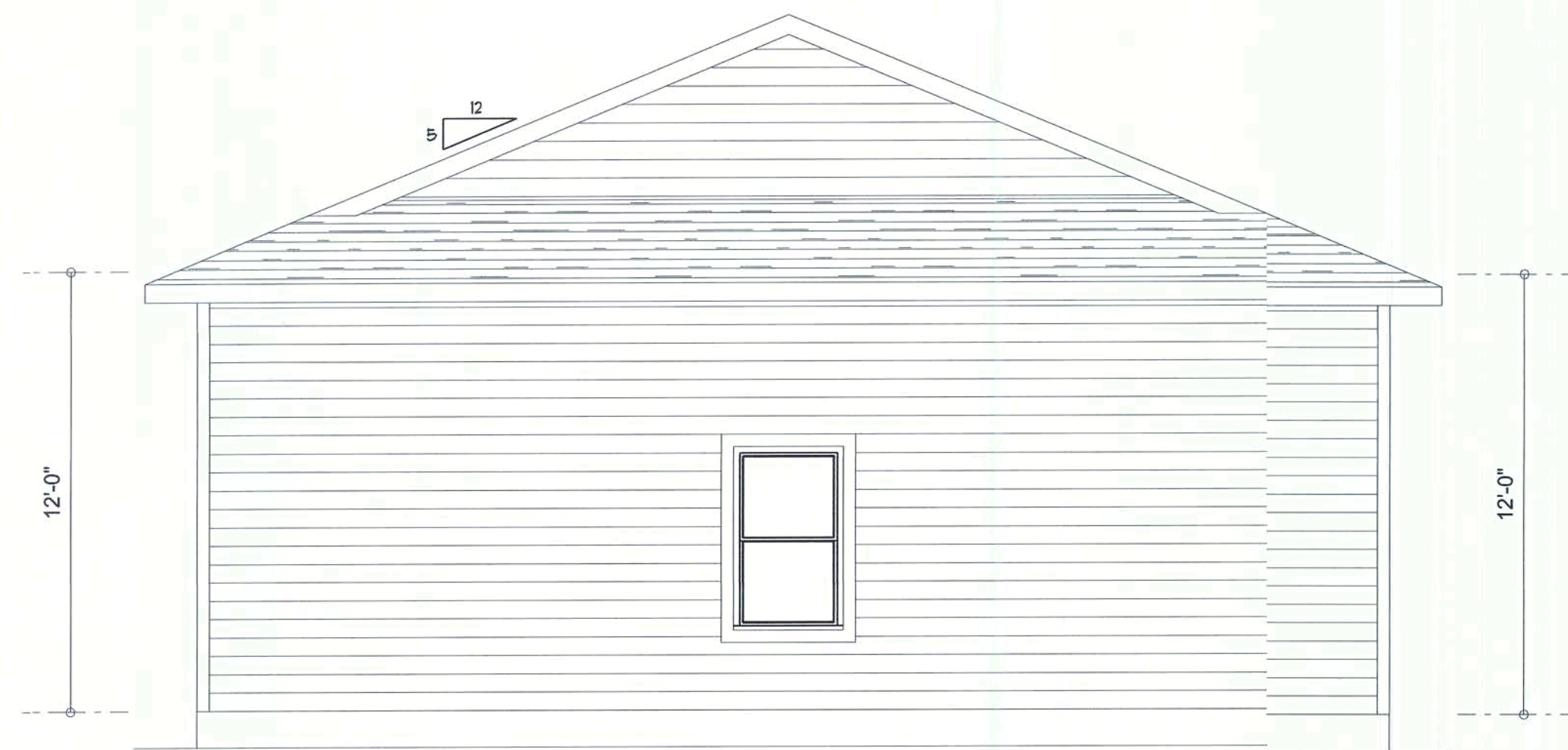
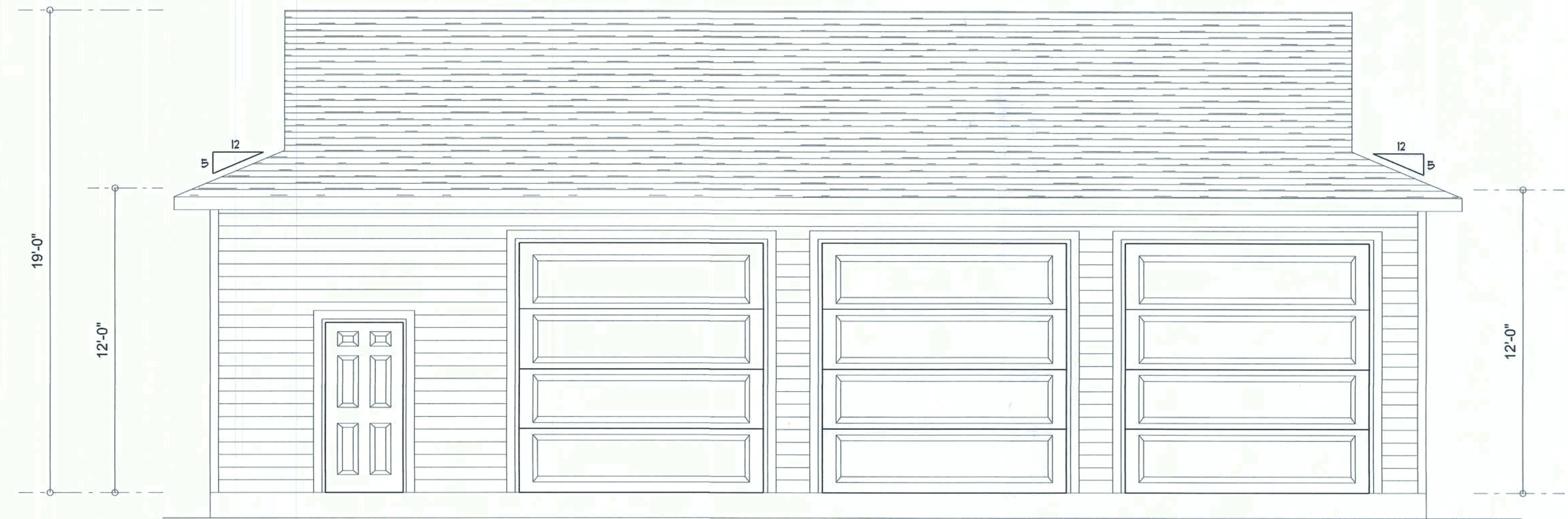


**TYPICAL WALL SECTION**  
SCALE: 1" = 1'-0"



**LEFT ELEVATION**  
SCALE: 1/4" = 1'-0"



**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"



**RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0"



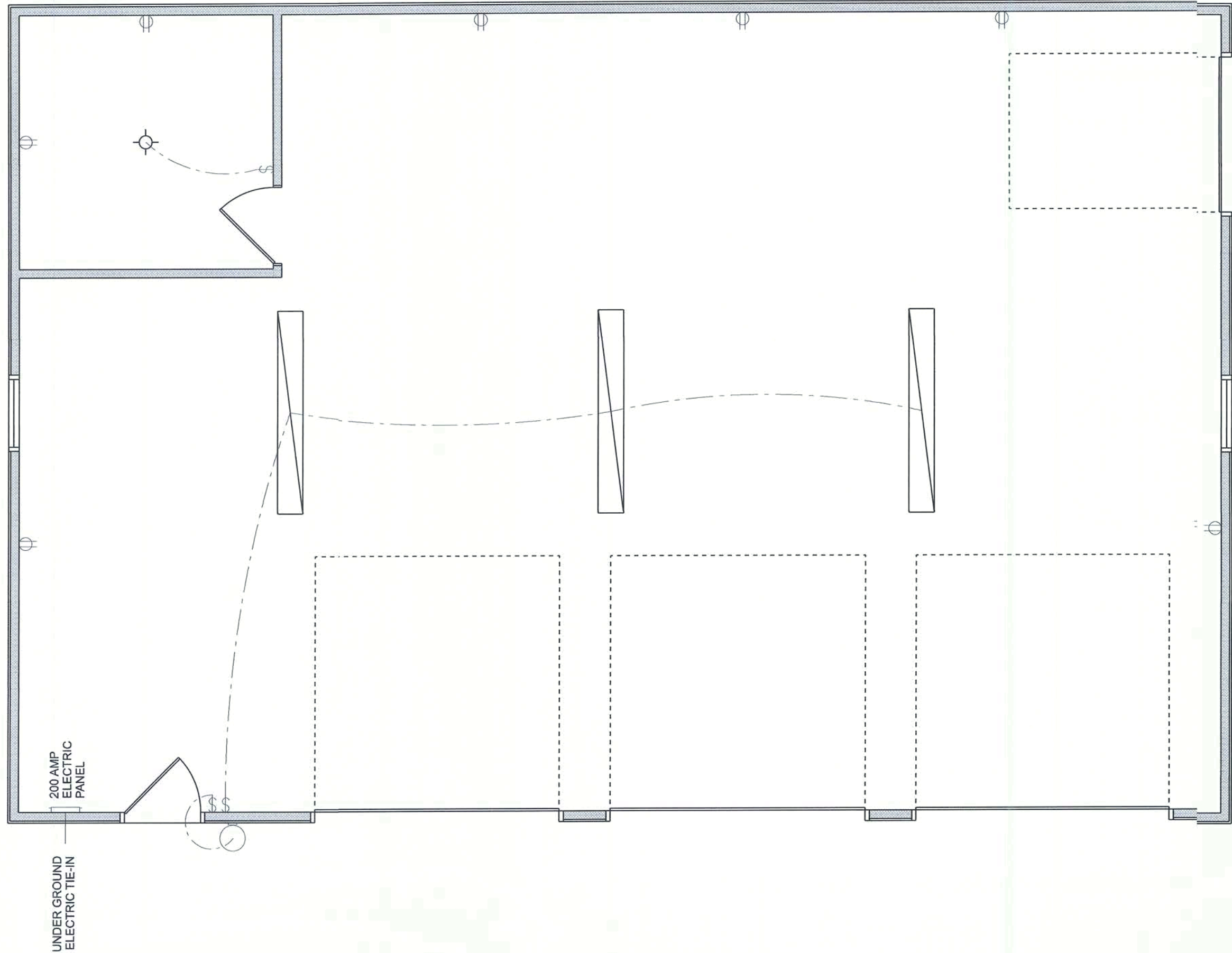
REVISIONS SCHEDULE		
June 15th, 2020	PROPOSAL	
June 25th, 2020	PERMIT SET	

Detached Garage For:  
**STEPHEN JONES**  
Columbia County, FL  
**STANLEY CRAWFORD CONSTRUCTION**

**RIDGEPOINT DESIGN**  
566 SW ARLINGTON BLVD. STE 101 LAKE CITY, FL 32025  
P: 386-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER  
**A.1**  
OF 2 SHEETS





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

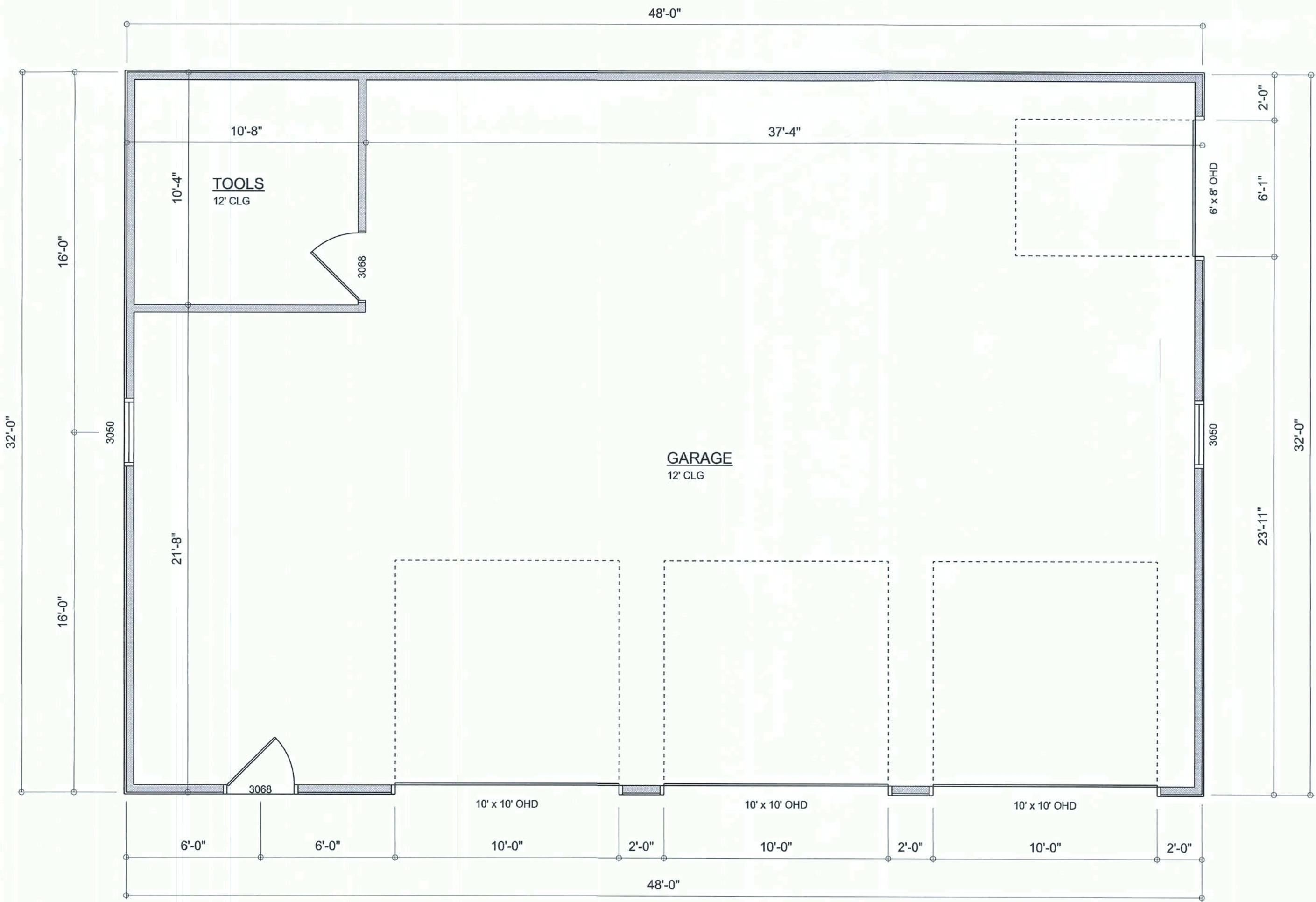
ELECTRICAL PLAN NOTES:

NOTE:  
ELECTRICAL CONTR SHALL PREPARE "AS-BUT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDNS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE / ALL CKTS IDENTIFIED W/ CKT N°. DESCRIPTION & BRKR./ERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUND / DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPER EQUIPMENT TYPE W/ RATINGS & LOADS.  
CONTRACTOR SHALL PROVIDE 1 COPY OF ASBUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUINAUTHORITY


AREA SUMMARY

TOOL	100	S.F.
GARAGE	1,436	S.F.
TOTAL AREA	1,536	S.F.

ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
FLUORESCENT LIGHT 1x8	3	
EXTERIOR SCONCE	1	
ELECTRIC PANEL	1	
OUTLET	7	
STANDARD LIGHT	1	
SWITCH	3	



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



**RIDGEPOINT  
DESIGN**  
566 SW ARLINGTON BLVD. STE 101, LAKE CITY, FL 32825  
P: 386-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER  
**A.2**  
OF 2 SHEETS

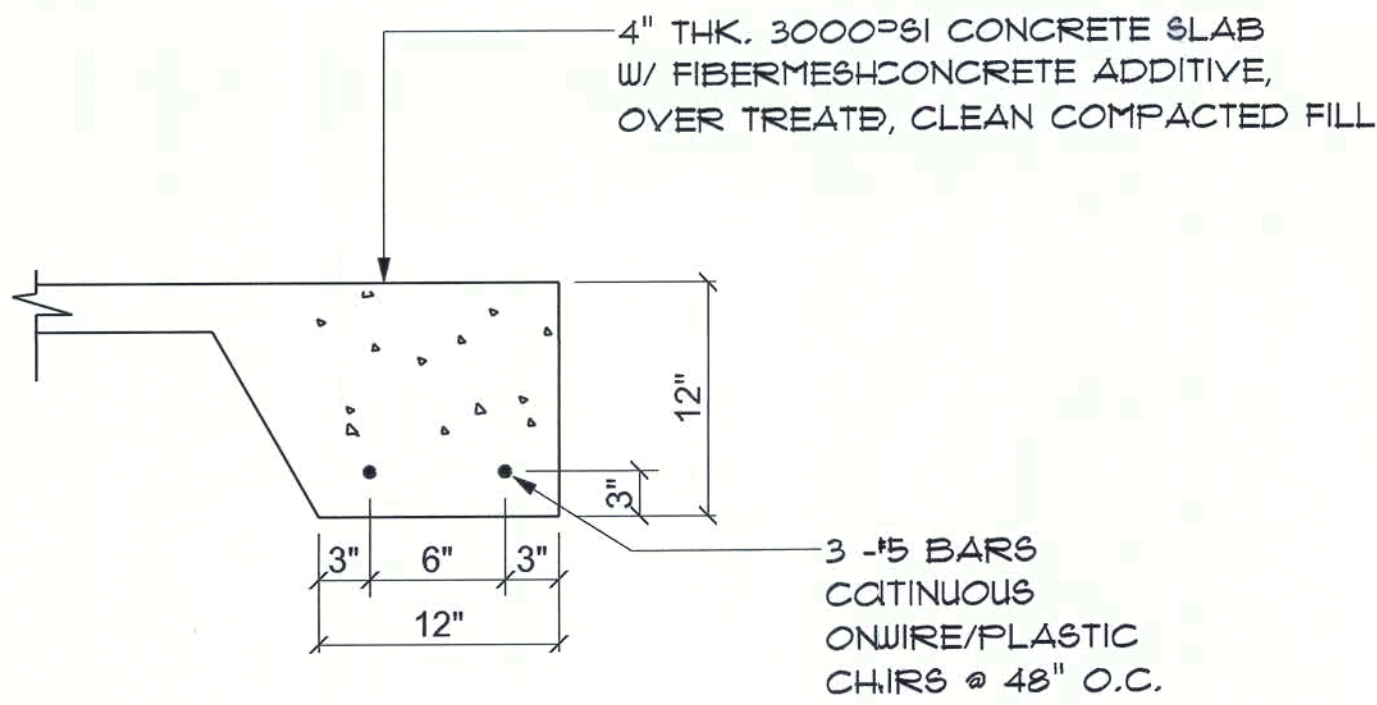
Detached Garage For:  
**STEPHEN JONES**  
Columbia County, FL  
**STANLEY CRAWFORD CONSTRUCTION**

REVISIONS SCHEDULE		
June 15th, 2020	PROPOSAL	
June 25th, 2020	PERMIT SET	



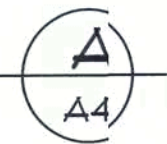
CONCRETE / MASONRY /  
METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DICTED 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 STIFFED 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.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL ENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A105 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F<sub>c</sub> = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAM OR SHALL BE STANDARD PUMP MIX F<sub>c</sub> = 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 - F<sub>m</sub> = 1500 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 A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



SECTION

SCALE: not to scale

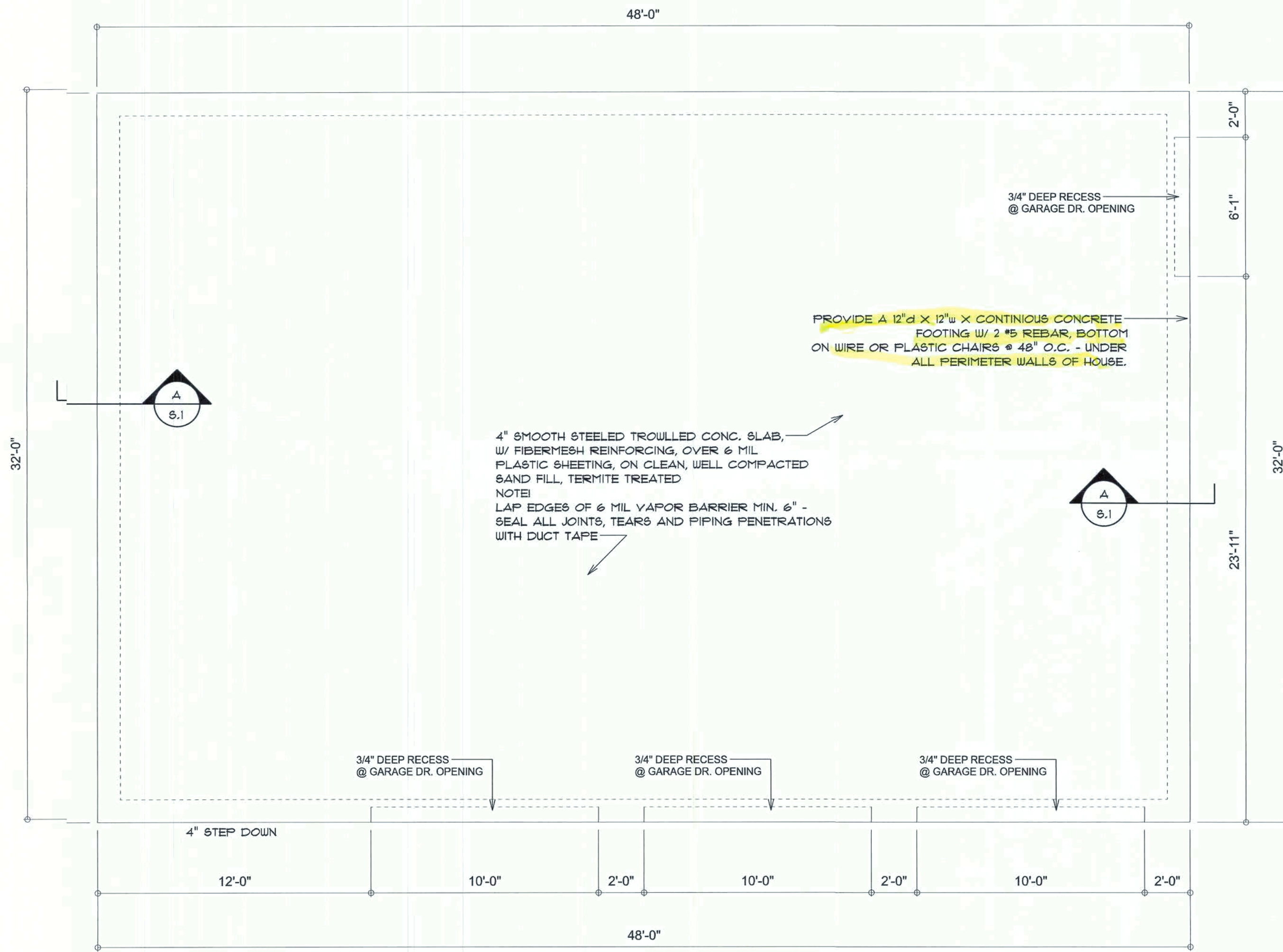


NOTE:  
THE DESIGN WIND SPEED FOR THIS  
PROJECT IS 130 MPH PER FC 1609  
AND LOCAL JURISDICTION REQUIREMENTS

NOTE:  
ADDED FILL SHALL BE APPLIED IN 8" LIFTS -  
EACH LIFT SHALL BE COMPACTED 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

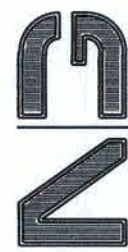
NOTE:  
THE PROJECT IS DESIGNED IN ACCORDANCE WITH ASCE 24



REVISIONS
June 25th, 2020

Detached Garage For:  
**STEPHEN JONES**  
Columbia County, FL

**STANLEY CRAWFORD CONSTRUCTION**



**NICHOLAS  
PAUL  
GEISLER  
ARCHITECT  
INC.**  
1718 NW Brown Rd.  
Lake City, FL 32095  
(386) 365-4385  
N.C.A.R.B. Certified

SHEET NUMBER

**S.1**

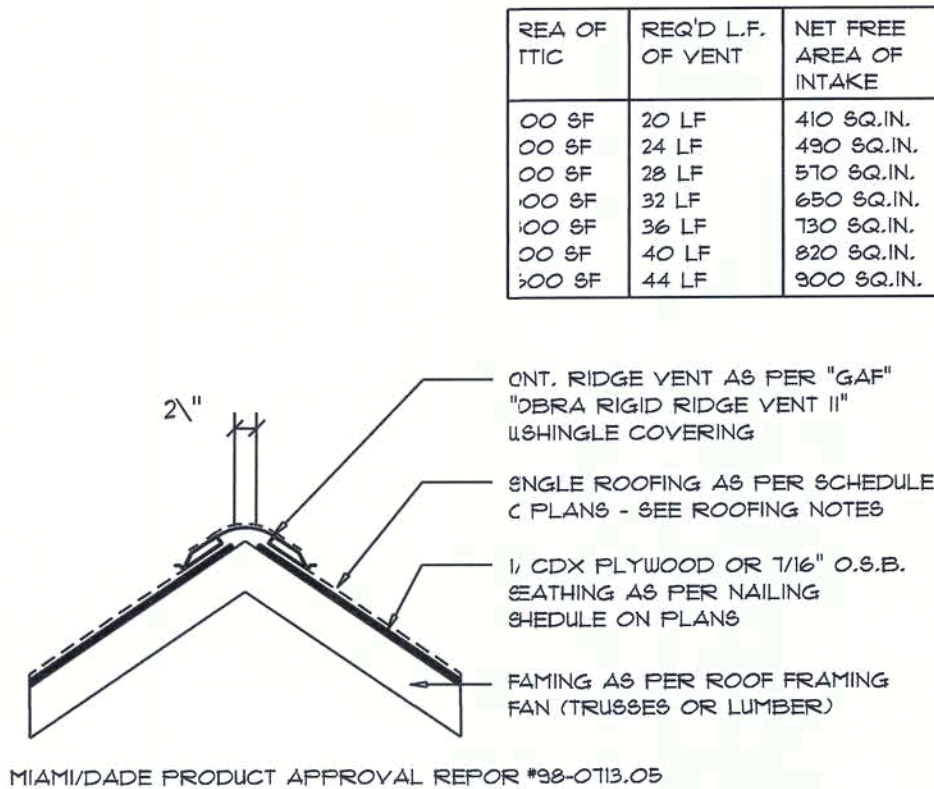
OF 4 SHEETS





WOOD STRUCTURAL NOTES

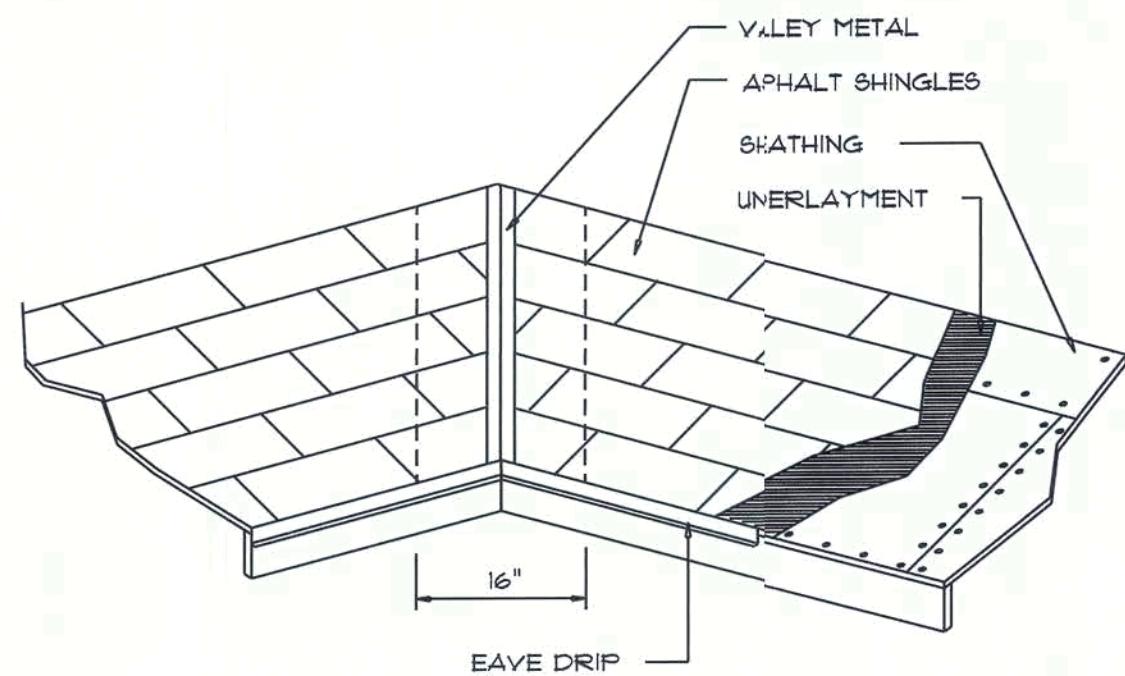
- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE TRUSS PLATE INSTITUTE.
- ALL TRUSSES SHALL BE DESIGNED 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 No.2 HEM-FIR 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.



Ridge Vent DETAIL

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

B



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	0.0175	26 ZINC COATED G90	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DET.

SCALE: NONE

A

NOTE:  
ANCHOR GIRDER TRUSSES TO HEADER WITH 2 "SIMPSON" LST2, 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 OVERHANGS 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 NAILS - 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

STANDARD HEADER SCHEDULE

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

DOUBLE 2x8 No.2 SOUTHERN PINE WITH 1/2" O.S.B. SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA1E TOP AND 1 - SIMPSON 5PH4R 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

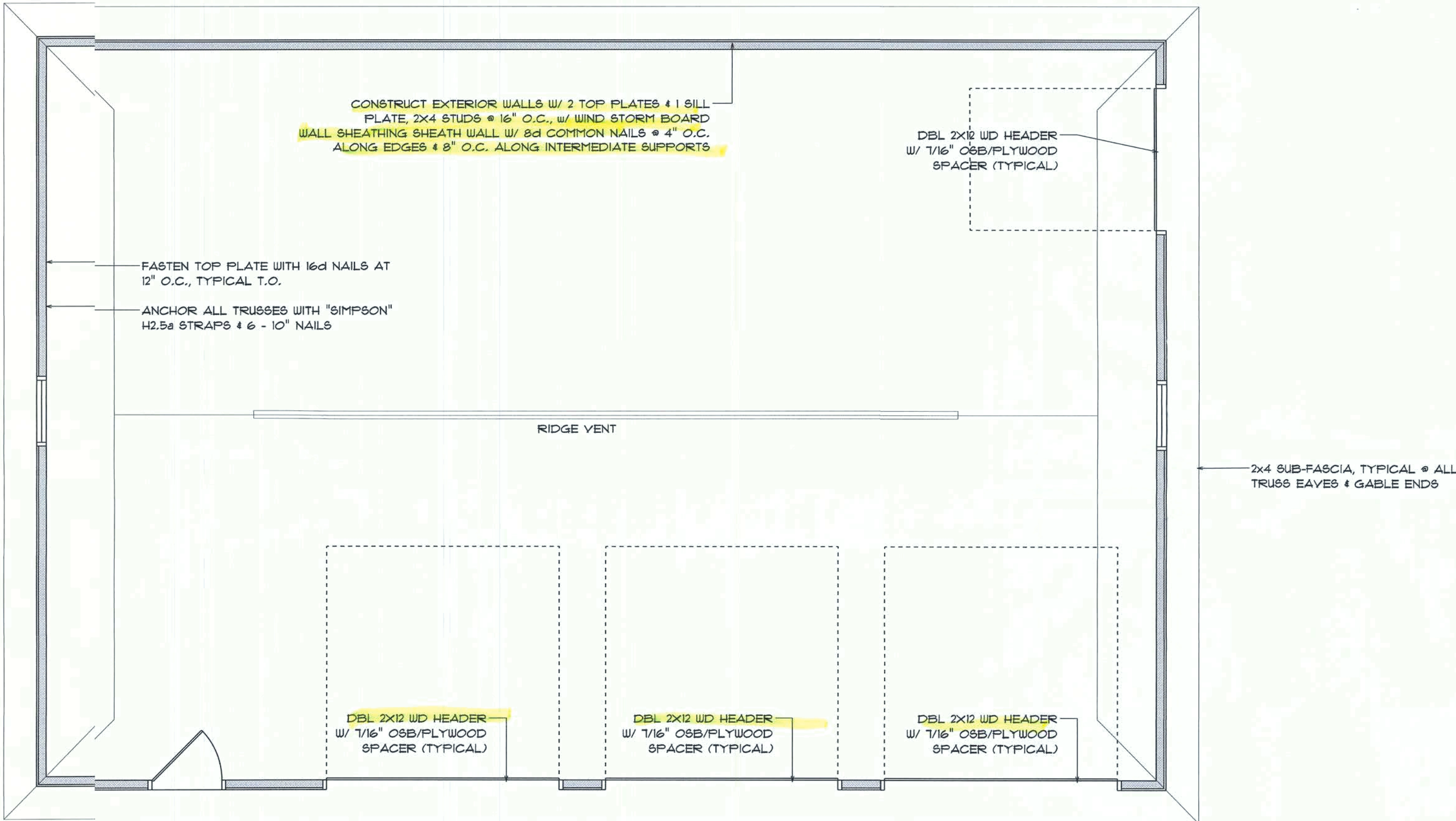
DOUBLE 2x12 No.2 SOUTHERN PINE WITH 1/2" O.S.B. SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON MSTA1E TOP AND 2 - SIMPSON 5PH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

9'-0" UP TO 16'-0" OPENINGS

DOUBLE 2x12 No.2 SOUTHERN PINE WITH 1/2" O.S.B. SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA1E EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

16'-0" GARAGE DOOR OPENINGS

2 FLY 1 3/4" X 11 1/8" 2.0E MICROLAM LVL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON MSTA1E EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING



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 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.
- 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 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

REVISIONS	
June 25th, 2020	

Detached Garage For:  
**STEPHEN JONES**  
Columbia County, FL

**STANLEY CRAWFORD CONSTRUCTION**

**NICHOLAS GEISLER ARCHITECT**  
NICHOLAS GEISLER ARCHITECT  
1789 NW Brown Rd.  
Jensen Beach, FL 34957  
(386) 385-4335

SHEET NUMBER

**S.2**

OF 4 SHEETS





FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Hip Construction, Wood Trusses @ 24" O	
Walls: 2x4 Wood Studs @ 16" O.C.	
Floor: 4" Thick Concrete Slab w/ Fibermesh Concrete Additive	
Foundation: Continuous Footer/Stem Wall	
ROOF DECKING	
Material: 1/2" CD Plywood or 7/16" O.S.B.	
Sheet Size: 8'x36" Sheets Perpendicular to Roof Framing	
Fasteners: 8 Common Nails per schedule on sheet A.1	
SHEAR WALLS	
Material: 1/2" CD Plywood or 7/16" O.S.B.	
Sheet Size: 8'x36" Sheets Placed Vertical	
Fasteners: 8 Common Nails @ 4" O.C. Edges & 8" O.C. Interior	
Diaphragm: Double Top Plate (S.Y.P.) w/ 16d Nails @ 12" O.C.	
Wall Studs: 4 Studs @ 16" O.C.	
HURRICANE UPLIFT CONNECTORS	
Truss Anchors: SIMPSON H2.5a @ 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) HTTB @ each corner	
Porch Column Base Connector: Simpson ABU66 @ each column	
Porch Column Beam Connector: Simpson EPC66/PC66 @ each column	
FOOTINGS AND FOUNDATIONS	
Footings: 12" 12" X CONT., CONCRETE FOOTING W/ 2 #5 REBAR.	

STRUCTURAL DESGN CRITERIA:

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

2. WIND LOAD CRITERIA: RISK CATAGORY 2, EXPOSURE, "B"

BASED ON ANSI/ASCE-10, 2011 FBC 1609-A WIND VELOCITY: V<sub>ULT</sub> = 130 MPH  
V<sub>50</sub> = 101 MPH

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

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

5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

TERMITE PROECTION NOTES:

SOIL CHEMICAL BARRIER METHOD:

- A PERMANENT SIN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINFECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FC 104.2.6
- CONDENSATE AN ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDIN SIDE WALLS. FBC 1503.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT E INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT ND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
- INITIAL TREATMET SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1
- SOIL DISTURBED FTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES OXED OR FORMED. FBC 1816.1.2
- BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHAL 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 LUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT RETREATMENT IS REQUIRED. FBC 1816.1.4
- CONCRETE OVEROUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED EFORE EXTERIOR SOIL TREATMENT. FBC 1816.1.5
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1' 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 DISTURBE AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FE 1816.1.6
- ALL BUILDINGS AE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
- A CERTIFICATE O COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL E ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS ECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN RMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FC 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, TUB TRAP COVERS, 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.
TRUSS TO WALL:	SIMPSON H2.5a or SDWC15600	600*
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT. W/ 28 - 16d NAILS	175*
HEADER TO KING STUD/DX:	SIMPSON ST22	1370*
PLATE TO STUD:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
STUD TO BILL:	NO CONNECTION REQ. WHEN USING WINDSTORM BOARD	
PORCH BEAM TO POST:	SIMPSON FC66/EPC66	1700*
PORCH POST TO FNDG.:	SIMPSON ABU66	2200*
MISC. JOINTS	SIMPSON A34	315*/240*

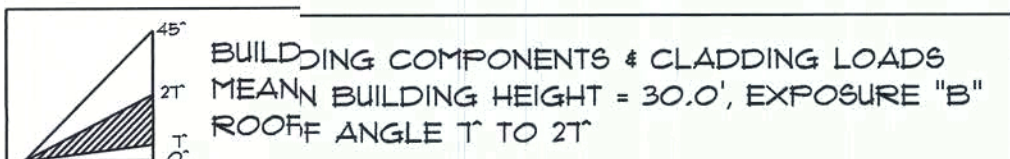
NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

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 I REPORT #95-0818.15

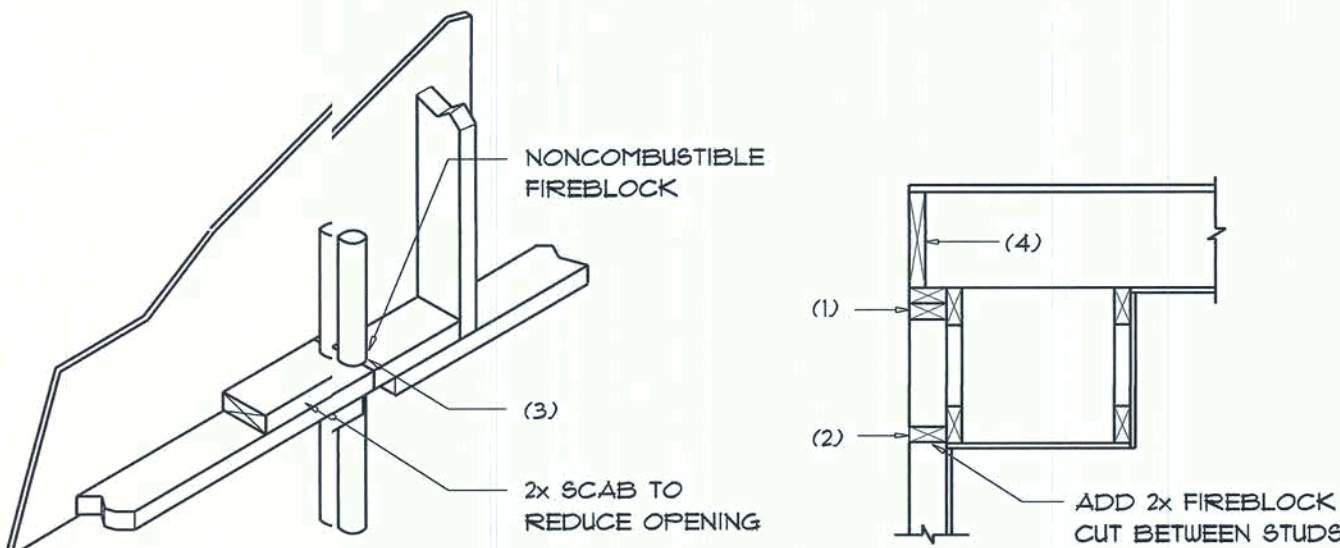
NOTE:  
"SIMPSON" PRODUCT I APPROVALS:  
MIAMI/DADE COUNTY I REPORT #97-0107.05, #96-1126.11, #99-0623.04  
SECCI NER-443, NER-1393



WIND SPEED (MPH)	V <sub>ULT</sub> 10 MPH	V <sub>ULT</sub> 15 MPH	V <sub>ULT</sub> 20 MPH	V <sub>ULT</sub> 30 MPH	V <sub>ULT</sub> 40 MPH
1	12.0 / -15.3	14.5 / -23.7	17.5 / -27.8	20.3 / -32.3	22.3 / -32.3
2	11.4 / -15.4	13.6 / -23.0	16.0 / -27.0	18.5 / -31.4	20.3 / -32.3
3	10.0 / -18.6	11.5 / -22.2	13.5 / -26.0	16.1 / -30.2	18.5 / -31.4
4	12.5 / -34.7	14.5 / -41.3	17.5 / -48.4	20.3 / -56.2	22.3 / -56.2
5	11.4 / -31.3	13.6 / -38.0	16.0 / -44.6	18.5 / -51.7	20.3 / -56.2
6	10.0 / -28.2	11.5 / -33.6	13.5 / -39.4	16.1 / -45.7	18.5 / -51.7
7	12.5 / -51.3	14.5 / -61.0	17.5 / -71.6	20.3 / -83.1	22.3 / -83.1
8	11.4 / -47.3	13.6 / -57.1	16.0 / -67.0	18.5 / -77.1	20.3 / -83.1
9	10.0 / -43.5	11.5 / -51.8	13.5 / -60.8	16.1 / -70.5	18.5 / -77.1
10	21.8 / -23.6	25.3 / -34.7	30.4 / -33.0	35.3 / -38.2	33.7 / -36.7
11	11.4 / -17.3	24.7 / -26.9	29.0 / -31.6	33.7 / -36.7	31.6 / -34.6
12	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6	29.0 / -31.6
13	21.8 / -25.1	25.3 / -34.7	30.4 / -40.7	35.3 / -41.2	33.7 / -44.0
14	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0	31.6 / -39.8
15	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8	29.0 / -31.6

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



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 CEILINGS 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 "PYROPLAN 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 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 MDC 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:

- 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 1507.3.2.
- 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:
  - 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 1 1 1  
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 I MODIFIED TO 130 MPH WINDS & FBC TAB 100, USING 4 NAILS/SHINGLE

REVISIONS
June 25th, 2020

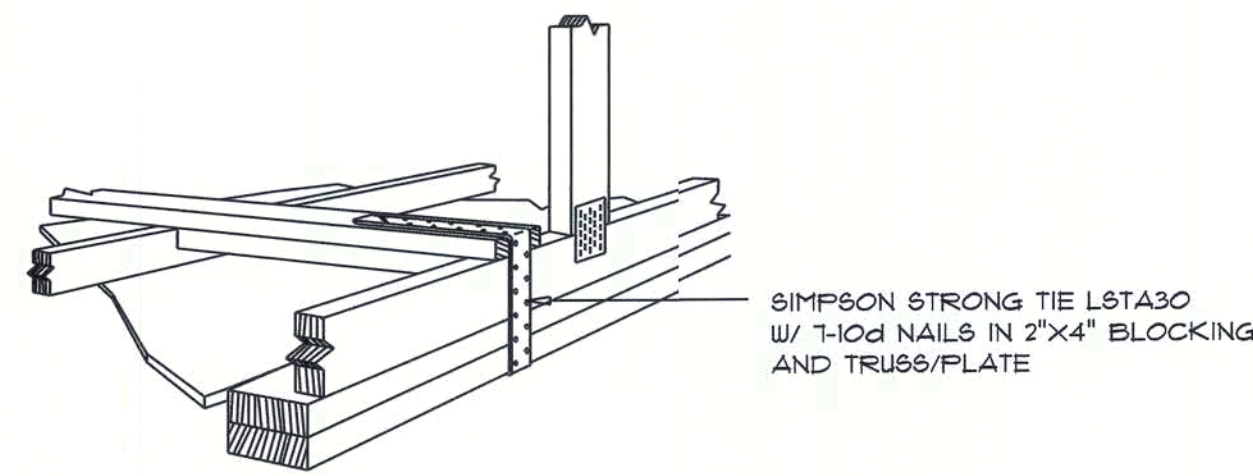
Detached Garage For:  
**STEPHEN JONES**  
Columbia County, FL  
**STANLEY CRAWFORD CONSTRUCTION**

**NICHOLAS PAUL GEISLER ARCHITECT**  
P.A.  
1800 N. Brown Rd.  
Tampa, FL 33605  
(813) 989-1595

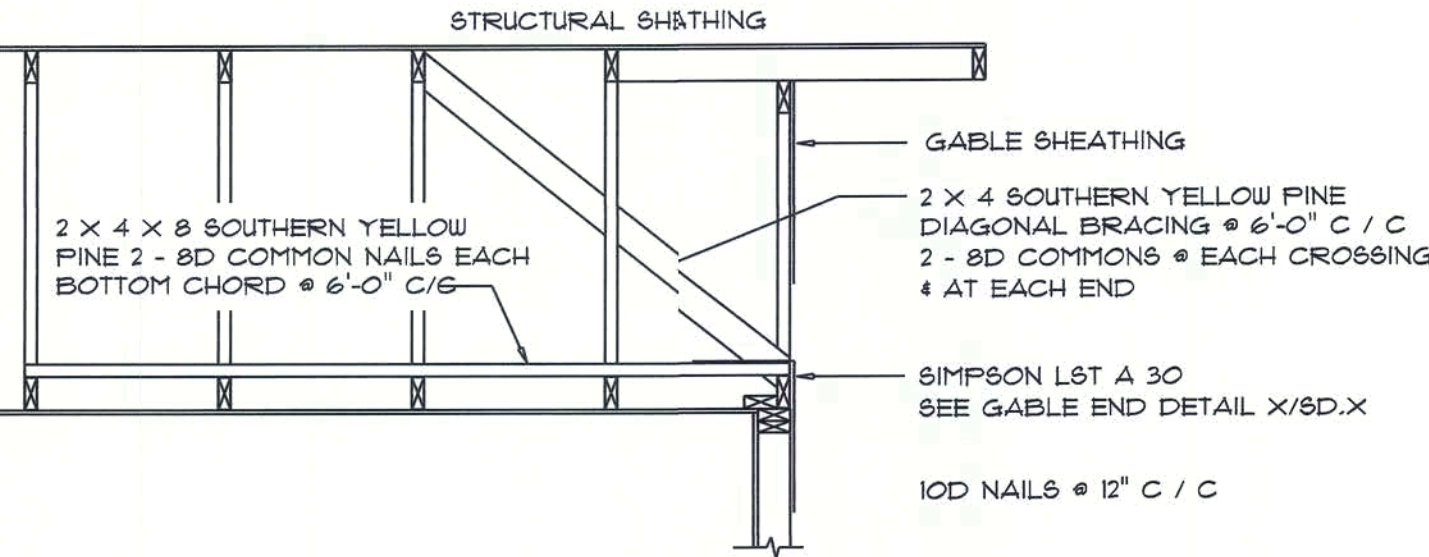
SHEET NUMBER  
**S.3**  
OF 4 SHEETS



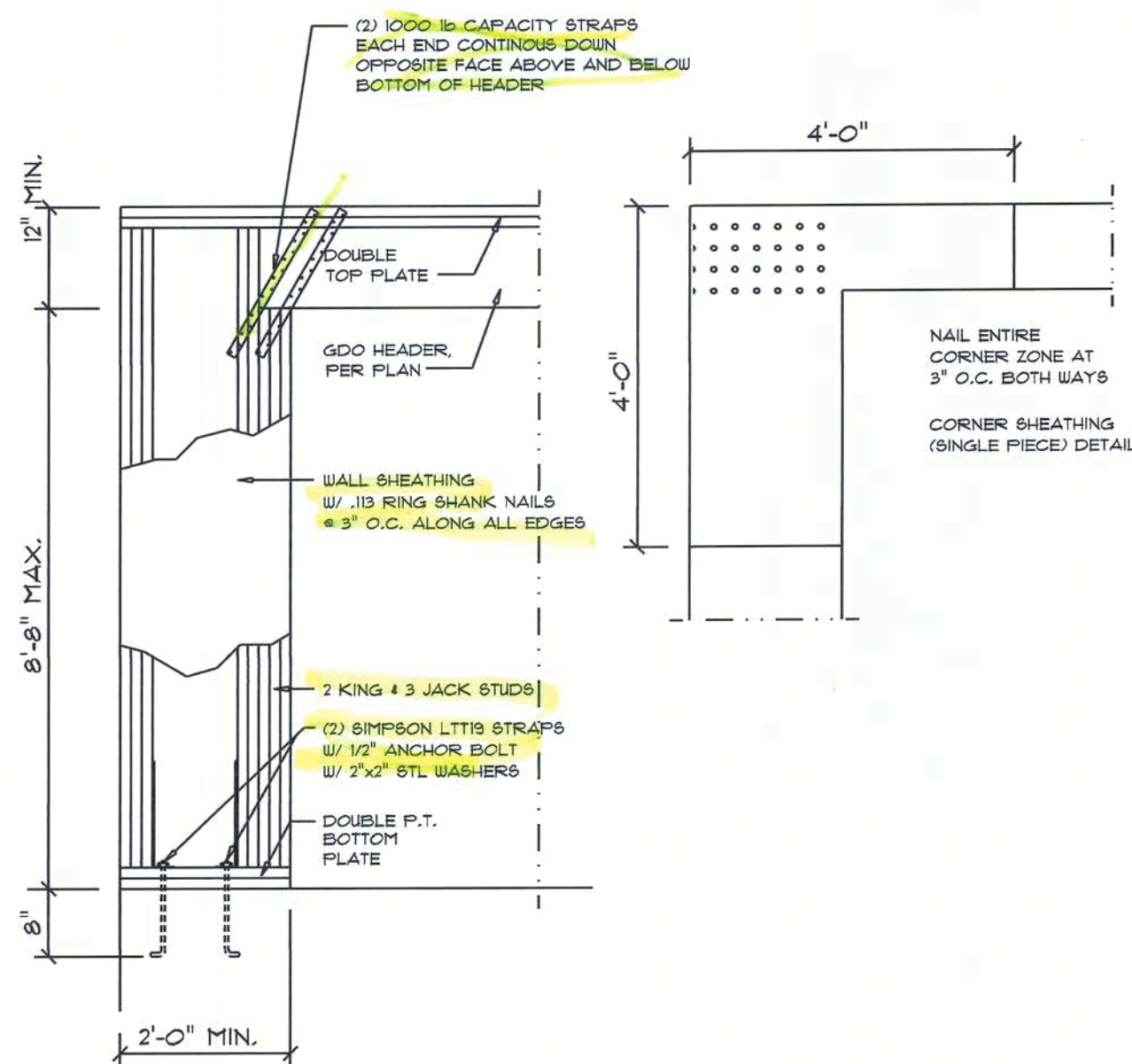




GABLE END GYPSUM DIAPHRAGM  
HOLDOWN CONNECTOR  
SCALE: NONE

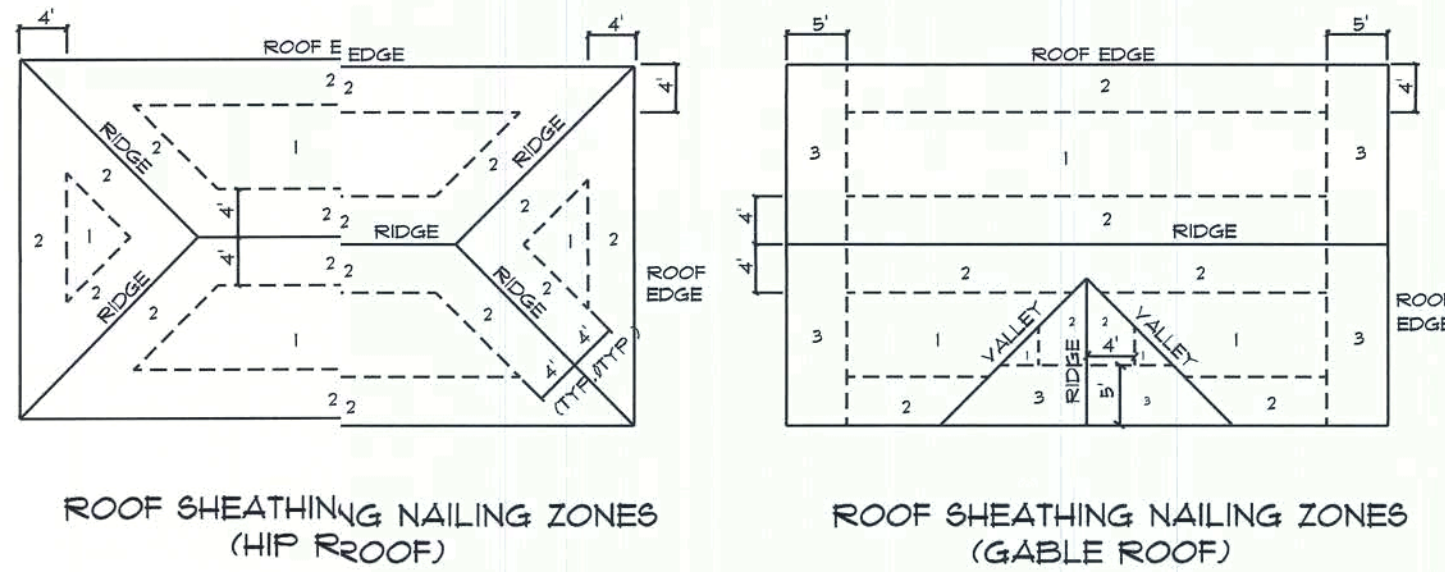


END WALL BRACING FOR  
CEILING DIAPHRAGM  
NTS (ALTERNATIVE TO BALLOON FRAMING)  
NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

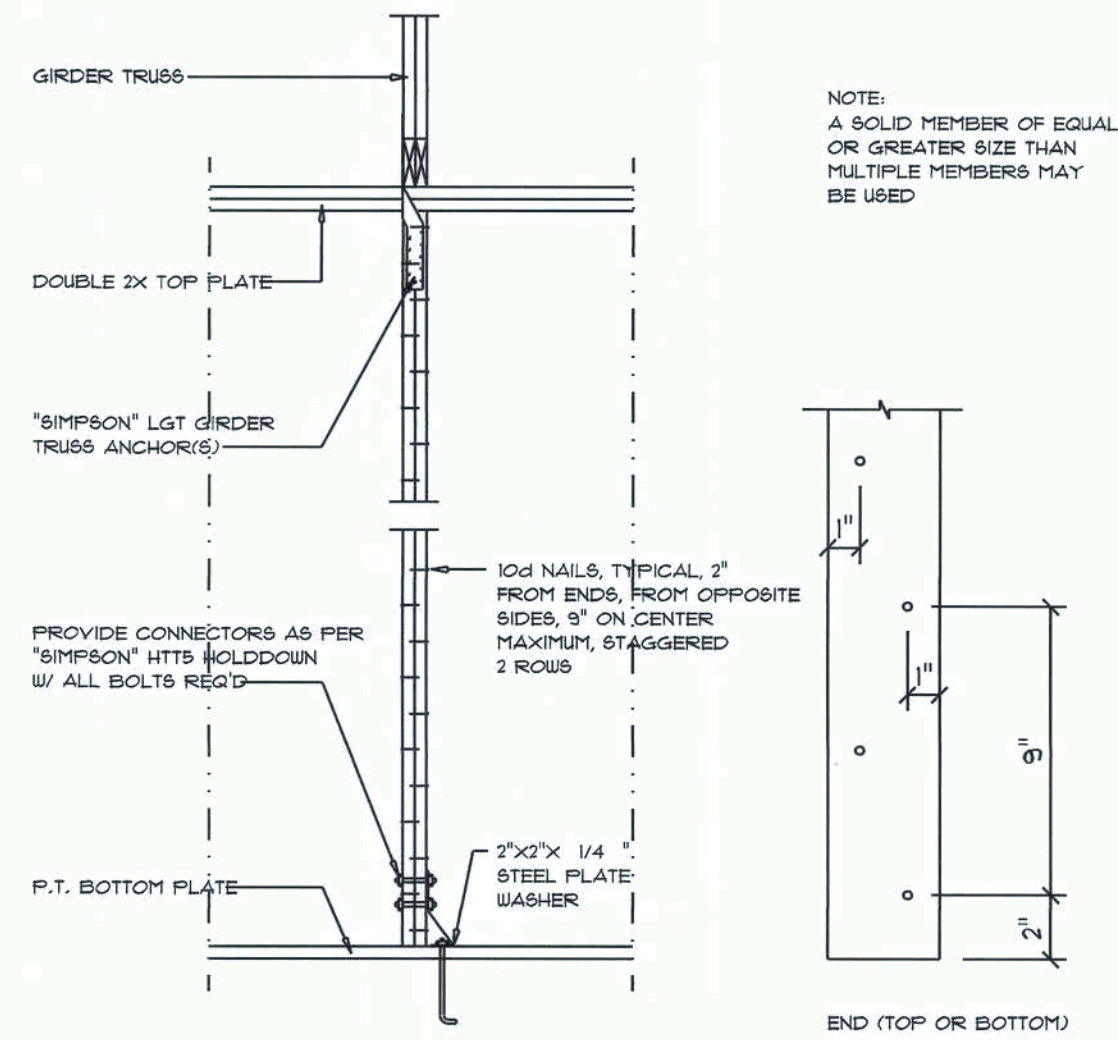


Garage End Wall DETAILS  
SCALE: 1/2" = 1'-0"

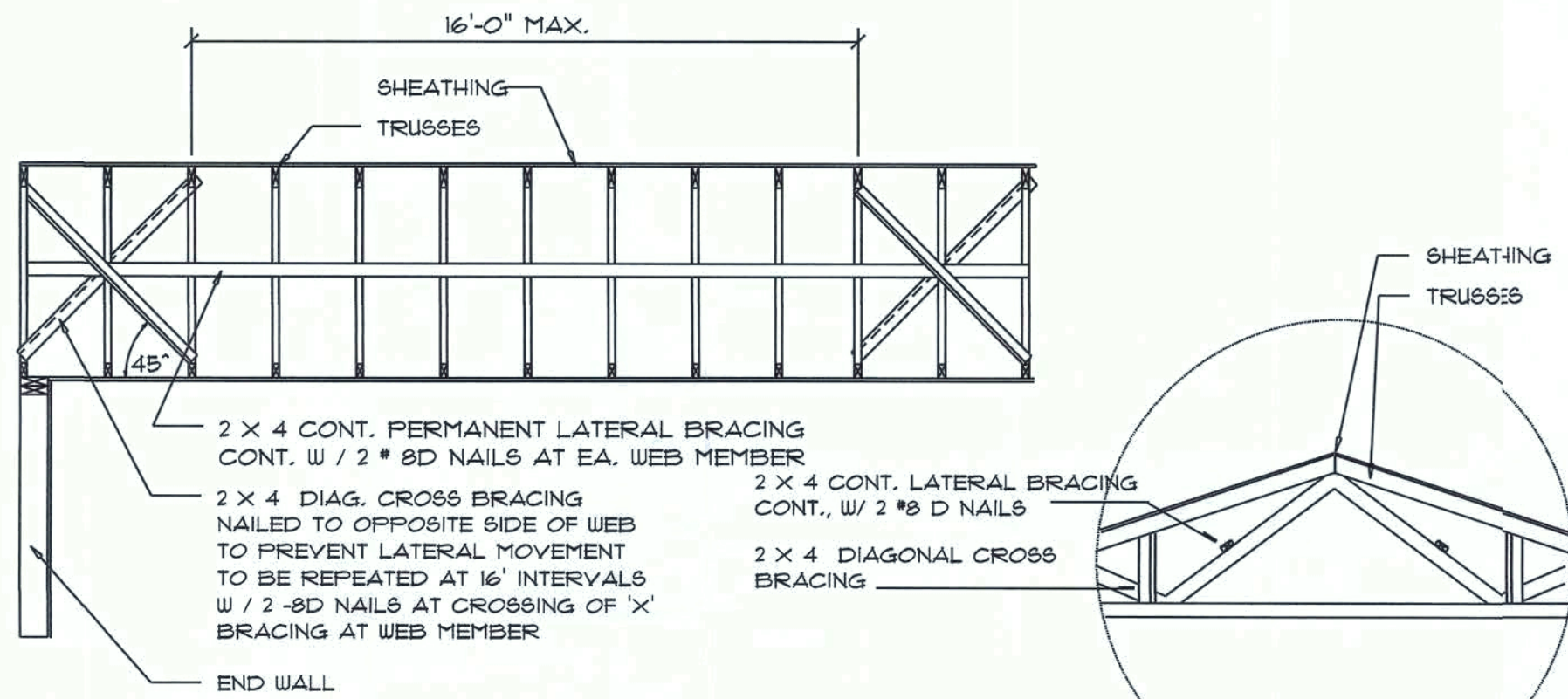
ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 12 in. o.c. FIELD
2	1 1/2" x 0.5 D.S. OR 10/32 C/C2X	10d RING SHANKED NAILS	6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. # GABLE END WALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



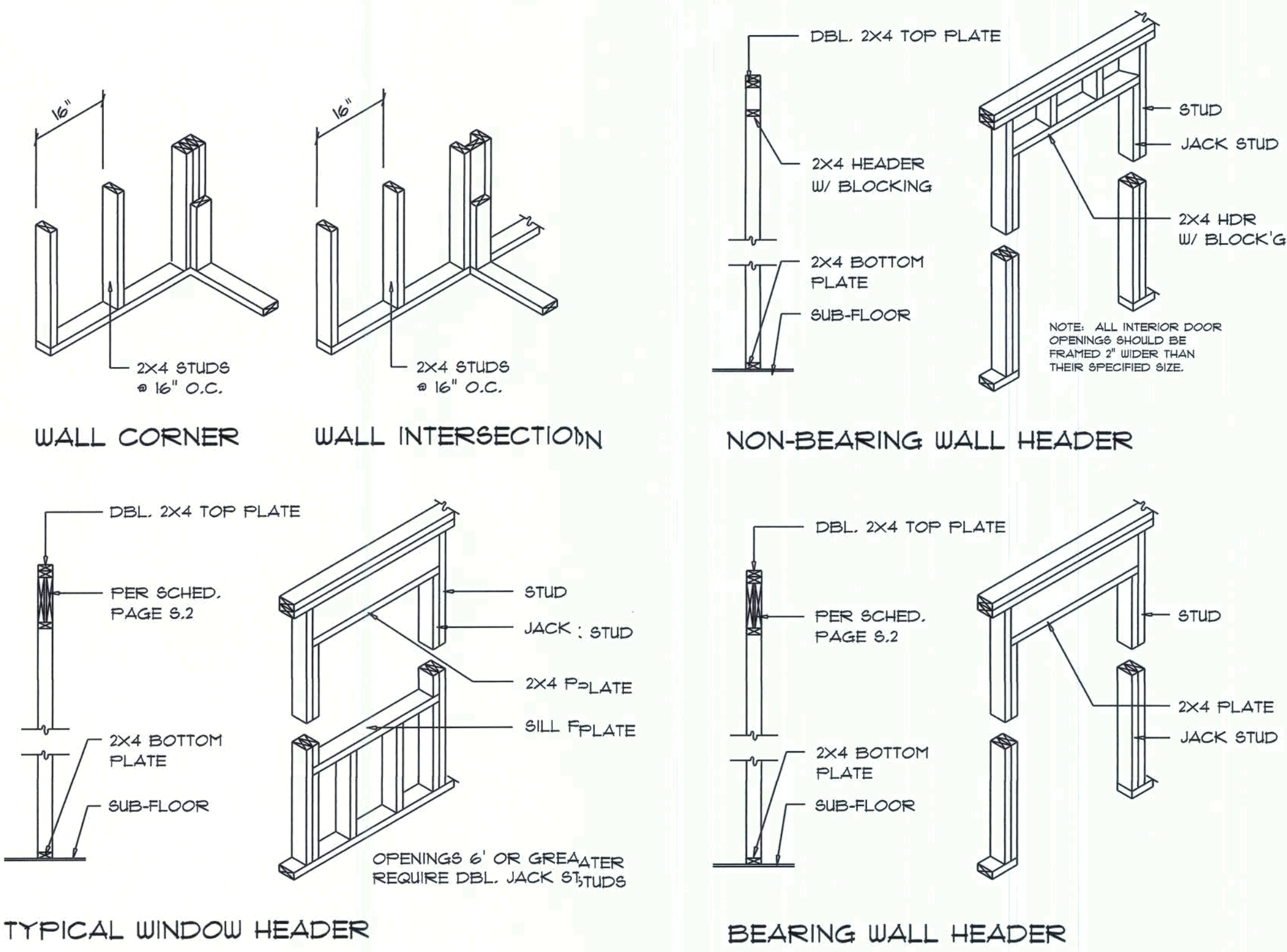
Roof Nail Pattern DET.  
SCALE: NONE



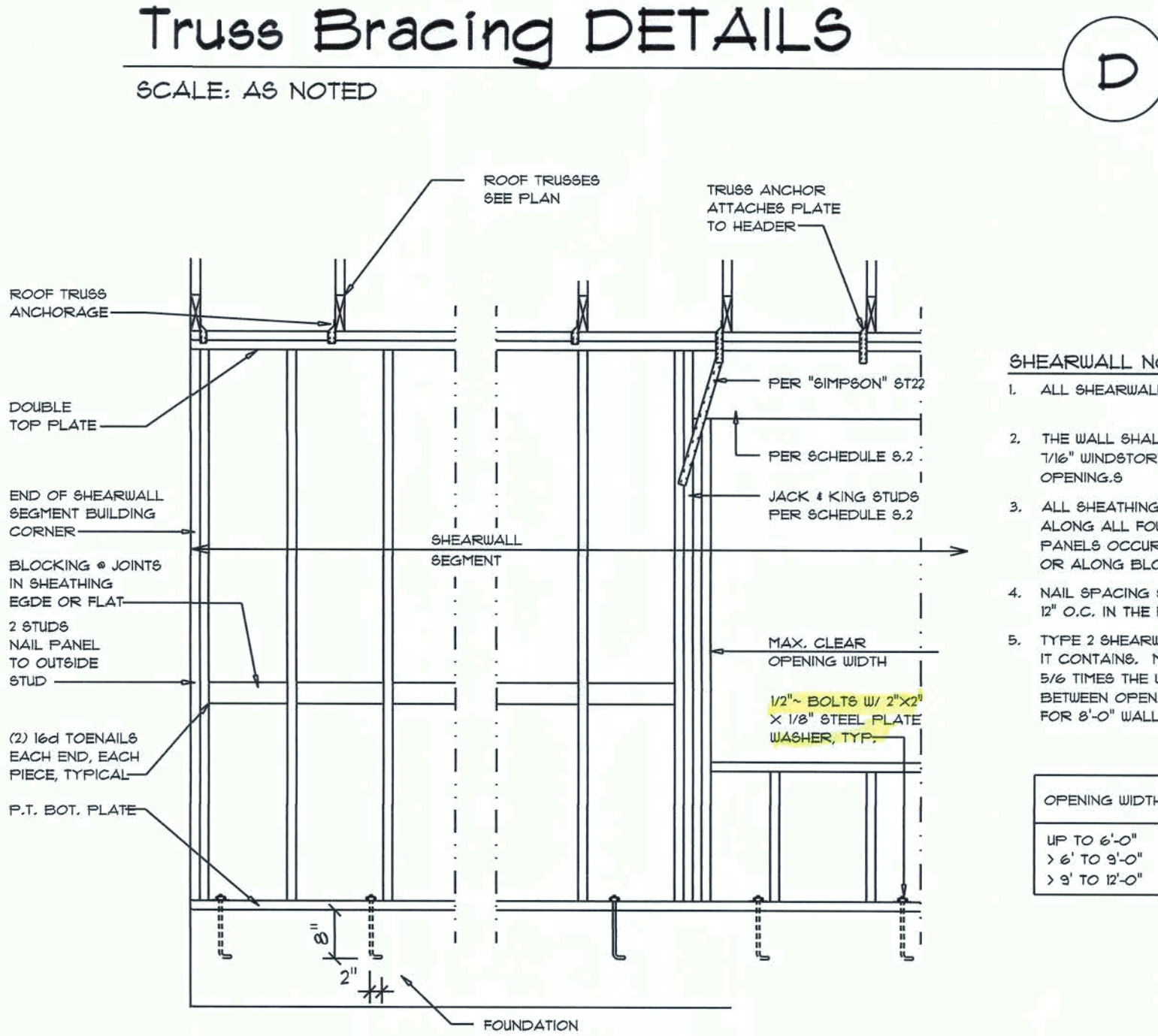
Girder Truss Column DET.  
SCALE: 1/2" = 1'-0"



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



Wall Framing/Header DETAILS  
SCALE: NONE



Shear Wall DETAILS  
SCALE: NONE

**SHEARWALL NOTES:**

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
- THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/2" WINDSTORM SD 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 HEIGHTS.5 FOR 8'-0" WALLS (7'-3").

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

REVISIONS	
June 25th, 2020	

Detached Garage For:  
**STEPHEN JONES**  
Columbia County, FL  
**STANLEY CRAWFORD CONSTRUCTION**

**NICHOLAS PAUL GEISLER ARCHITECT**  
1759 NW Brown Rd.  
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(386) 365-4355

SHEET NUMBER  
**S.4**  
OF 4 SHEETS

APR 007005