



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



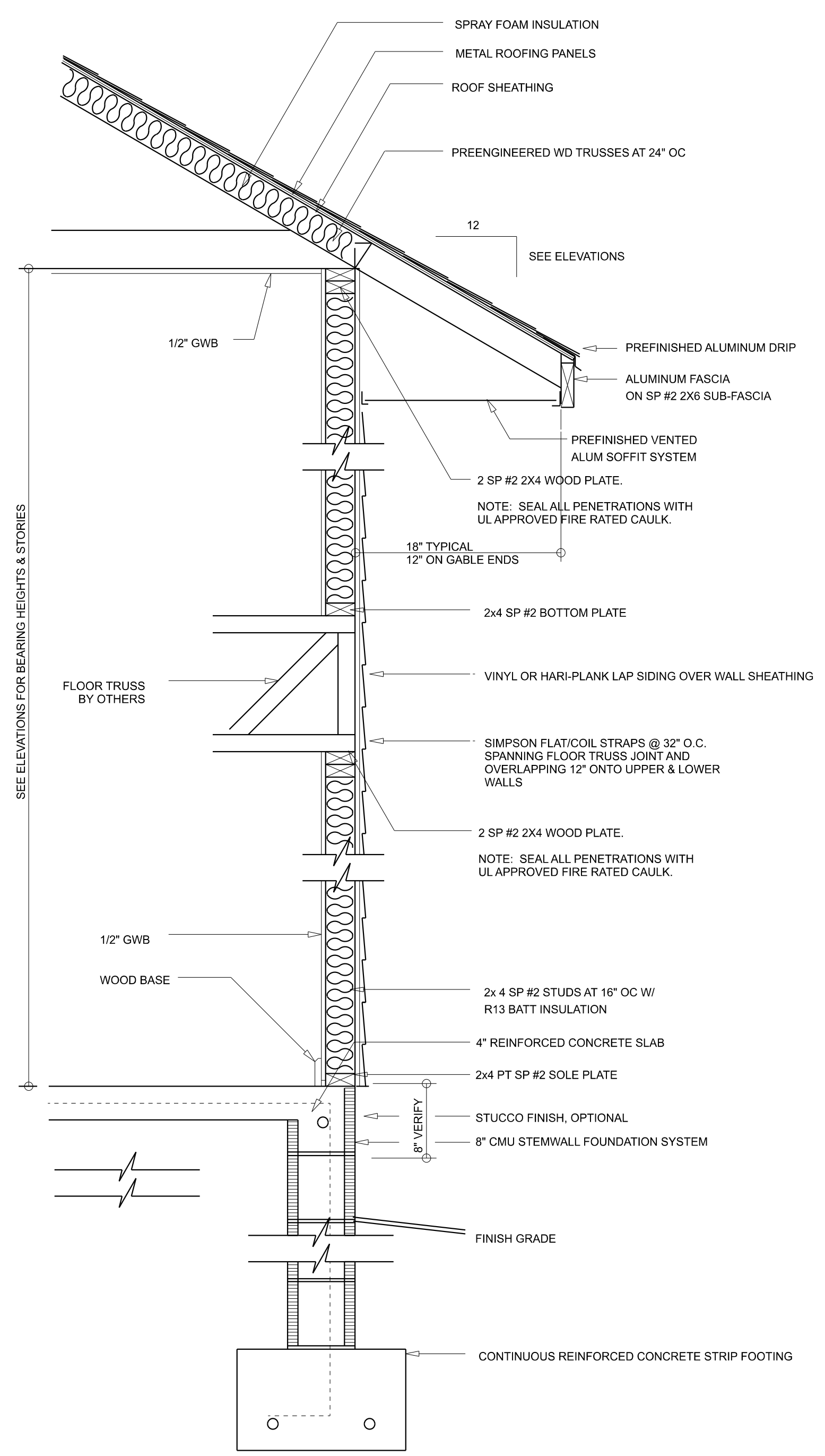
**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"

| REVISIONS SCHEDULE |                 |
|--------------------|-----------------|
| PROPOSAL           | Apr. 1st, 2025  |
| REVISIONS          | Apr. 15th, 2025 |
| REVISIONS          | Aug. 6th, 2025  |
| PERMIT DRAWING     | Sept. 3rd, 2025 |

CUSTOM HOME FOR:  
**THOMAS RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

**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 6 SHEETS



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



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

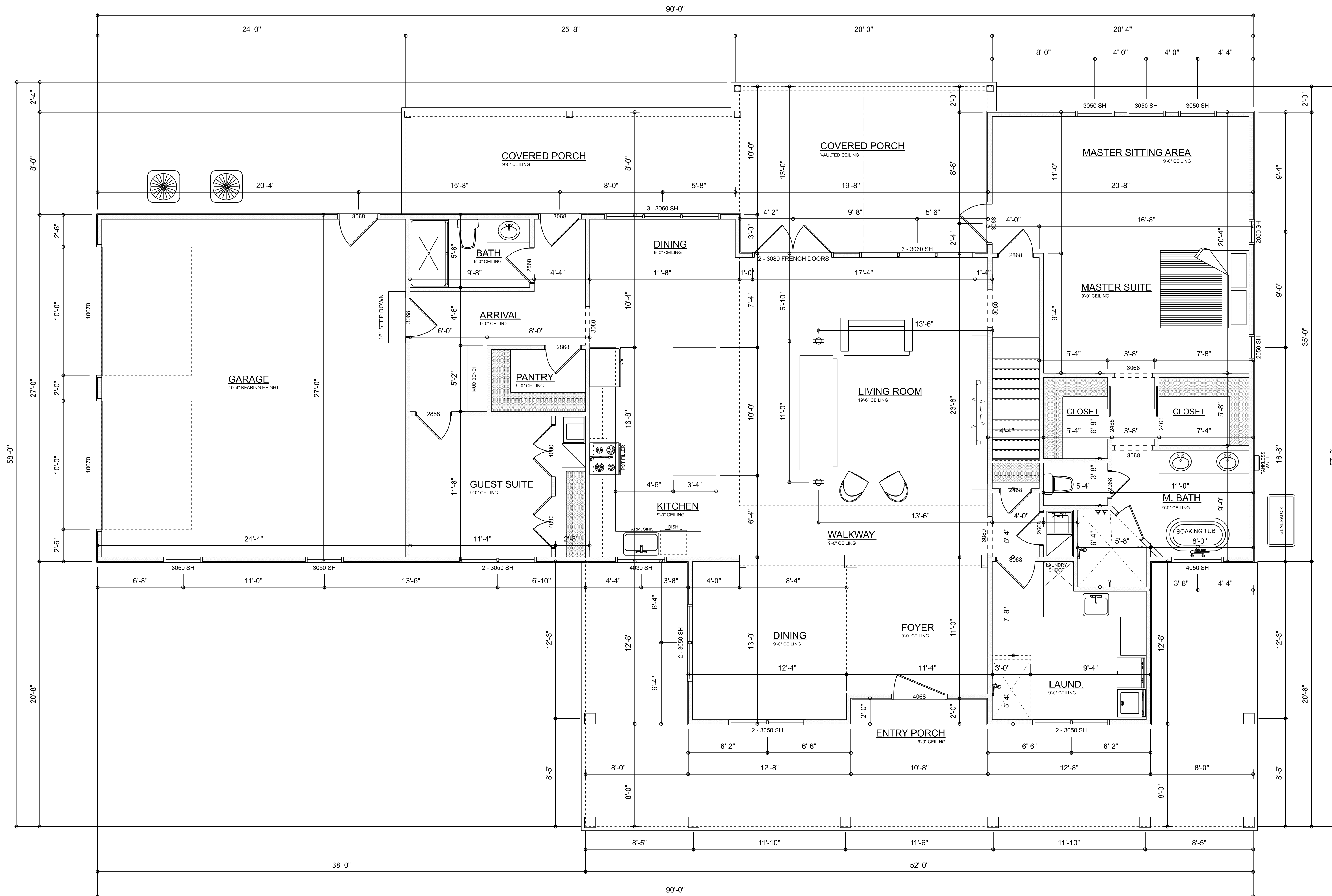


**LEFT ELEVATION**  
 SCALE: 1/4" = 1'-0"

| REVISIONS SCHEDULE |                 |
|--------------------|-----------------|
| PROPOSAL           | Apr. 1st, 2025  |
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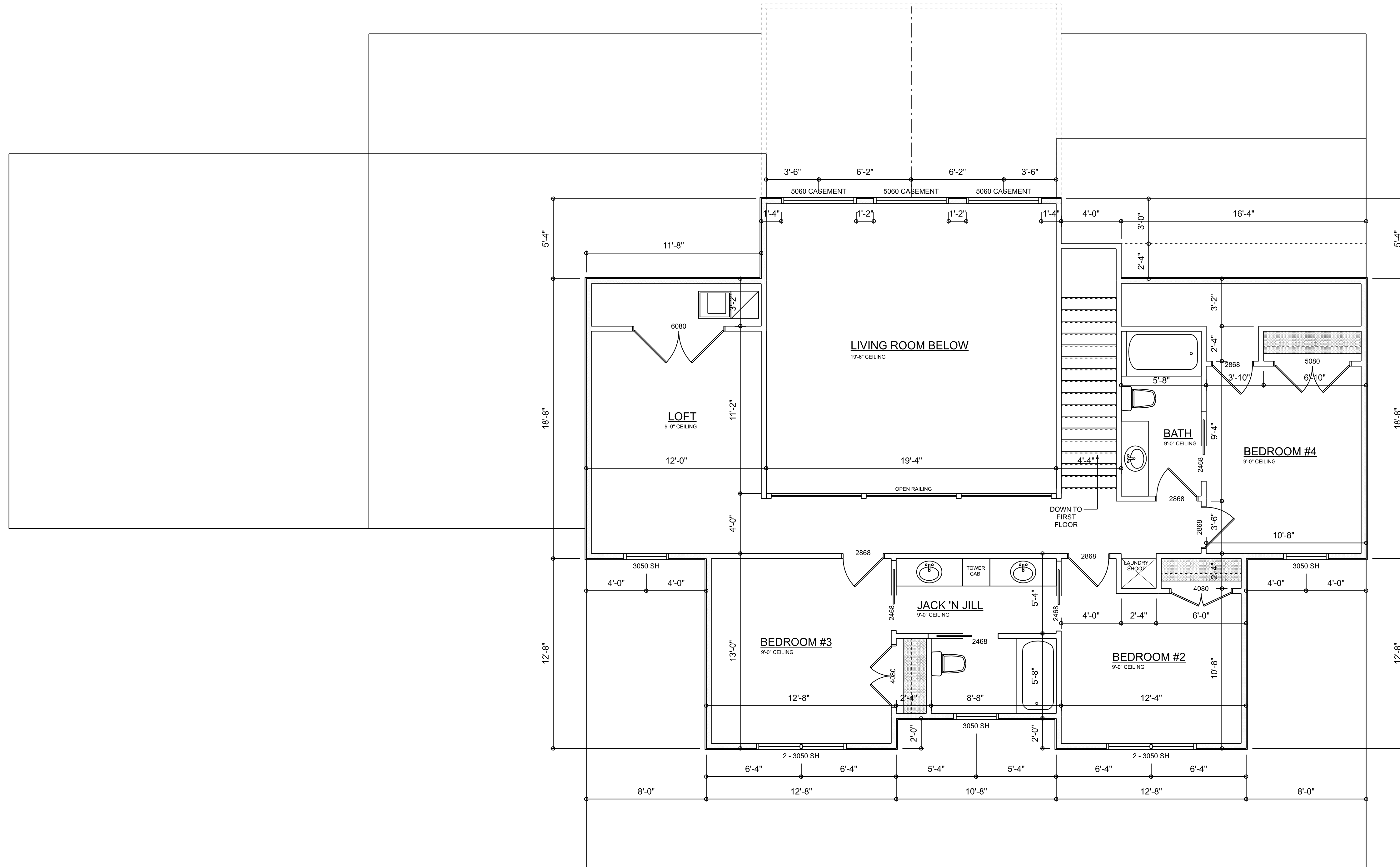
**FIRST FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

| AREA SUMMARY        |                   |
|---------------------|-------------------|
| FIRST FLOOR         | 2,320 S.F.        |
| SECOND FLOOR        | 1,051 S.F.        |
| <b>TOTAL LIVING</b> | <b>3,371 S.F.</b> |
| ENTRY PORCH         | 640 S.F.          |
| COVERED PORCH       | 460 S.F.          |
| GARAGE              | 653 S.F.          |
| <b>GRAND TOTAL</b>  | <b>5,124 S.F.</b> |

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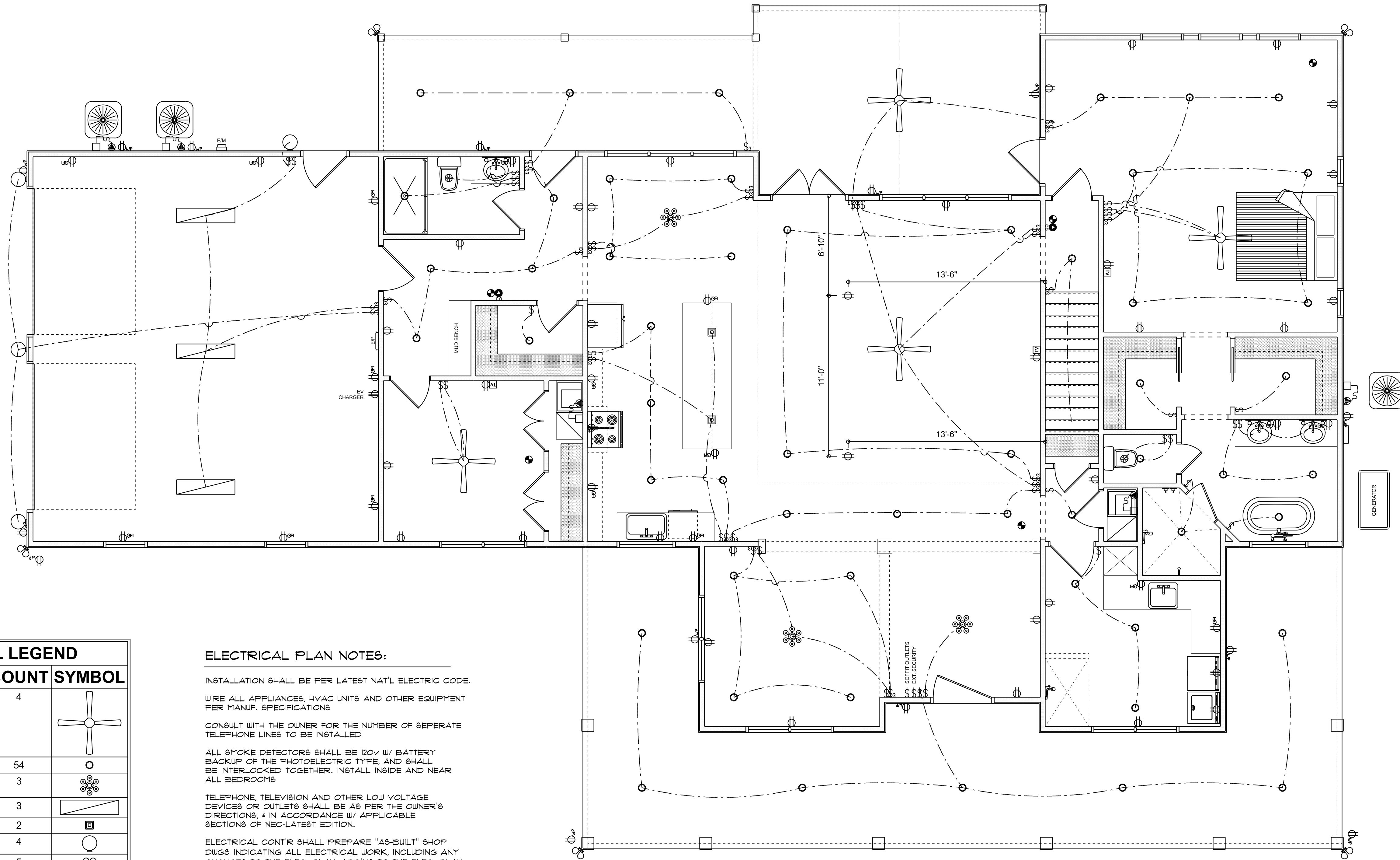
**SECOND FLOOR PLAN**  
SCALE: 1/4" = 1'-0"

| REVISIONS SCHEDULE |                 |
|--------------------|-----------------|
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SHEET NUMBER  
**A.4**  
OF 6 SHEETS



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

| ELECTRICAL LEGEND        |       |        |
|--------------------------|-------|--------|
| ELECTRICAL               | COUNT | SYMBOL |
| CEILING FAN              | 4     |        |
| CAN LIGHT 6inch          | 54    |        |
| CHANDELIER               | 3     |        |
| LED CEILING LIGHT 1x4    | 3     |        |
| PENDANT LIGHT            | 2     |        |
| EXTERIOR SCNCE           | 4     |        |
| MOTION SECURITY LIGHT    | 5     |        |
| ELECTRIC PANEL           | 1     |        |
| AC DISCONNECT            | 5     |        |
| CARBON DETECTOR          | 2     |        |
| EXHAUST FAN              | 2     |        |
| FLOOR OUTLET DUPLEX      | 2     |        |
| OUTLET                   | 31    |        |
| OUTLET 220v              | 3     |        |
| OUTLET GFI               | 17    |        |
| OUTLET WP                | 14    |        |
| SMOKE DETECTOR           | 5     |        |
| SWITCH                   | 25    |        |
| SWITCH 3 WAY             | 32    |        |
| VANITY BAR LIGHT - SMALL | 3     |        |
| CABLE TV OUTLET          | 3     |        |

**ELECTRICAL PLAN NOTES:**

INSTALLATION SHALL BE PER LATEST 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.

ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDING TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N., 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. 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)

| REVISIONS SCHEDULE |                 |
|--------------------|-----------------|
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CUSTOM HOME FOR:  
**THOMAS RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

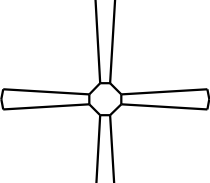













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| REVISIONS SCHEDULE |                 |
|--------------------|-----------------|
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SHEET NUMBER  
**A.6**  
 OF 6 SHEETS

| ELECTRICAL LEGEND        |       |   |
|--------------------------|-------|---|
| ELECTRICAL               | COUNT | SYMBOL  |
| CEILING FAN              | 4     |  |
| CAN LIGHT 6inch          | 15    |  |
| AC DISCONNECT            | 1     |  |
| CABLE TV OUTLET          | 4     |  |
| CARBON DETECTOR          | 1     |  |
| EXHAUST FAN              | 2     |  |
| OUTLET                   | 19    |  |
| OUTLET GFI               | 3     |  |
| OUTLET WP                | 1     |  |
| SMOKE DETECTOR           | 5     |  |
| STANDARD LIGHT           | 2     |  |
| SWITCH                   | 17    |  |
| SWITCH 3 WAY             | 7     |  |
| VANITY BAR LIGHT - SMALL | 3     |  |

**ELECTRICAL PLAN NOTES:**

INSTALLATION SHALL BE PER LATEST 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.

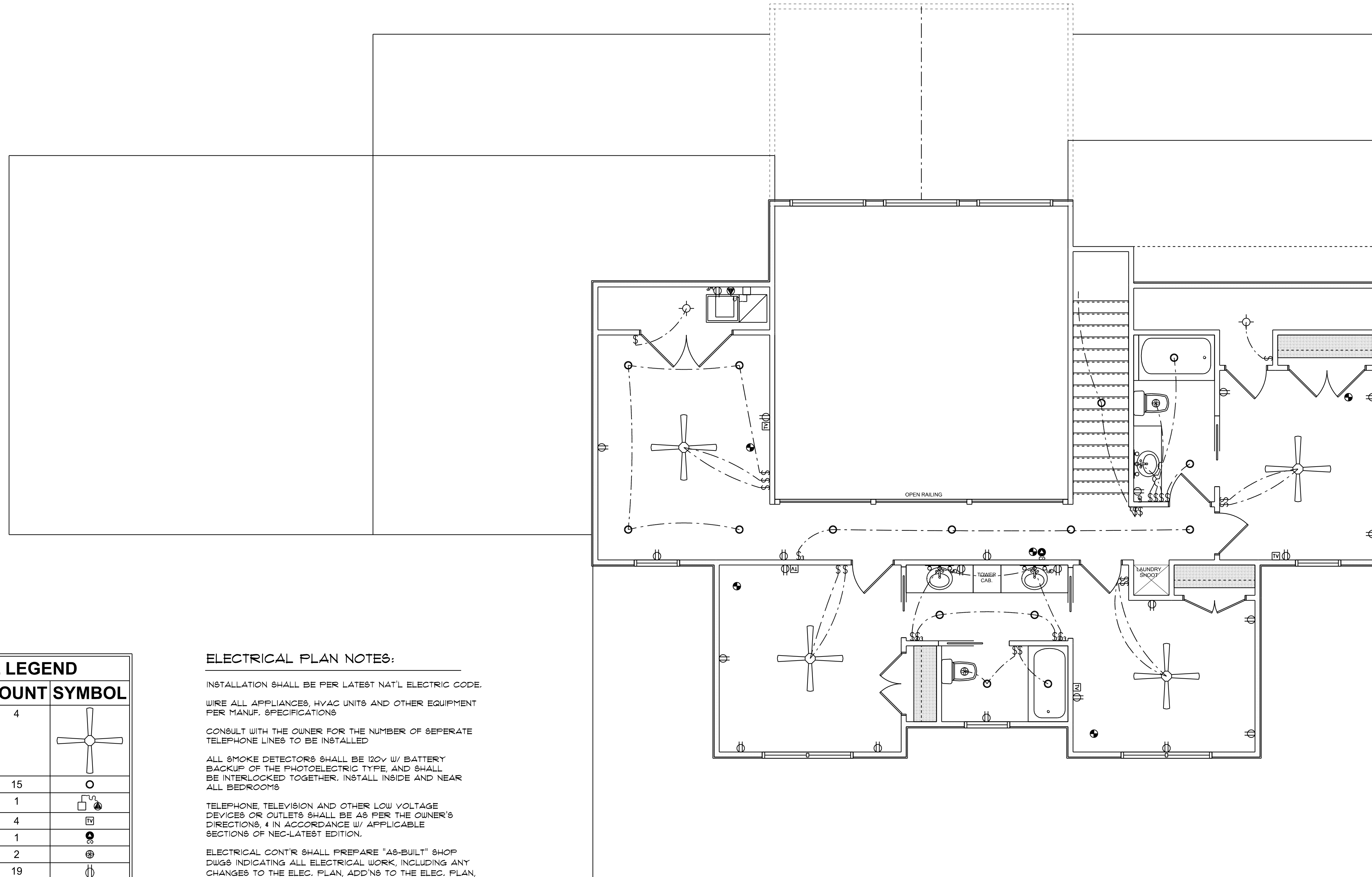
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LOCATIONS/ROUTING / DEPTH, RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.

CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY. ALL RECEPTALS, NOT OTHERWISE NOTED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS

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

ALL EXTERIOR RECEPTALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WF/GFI)



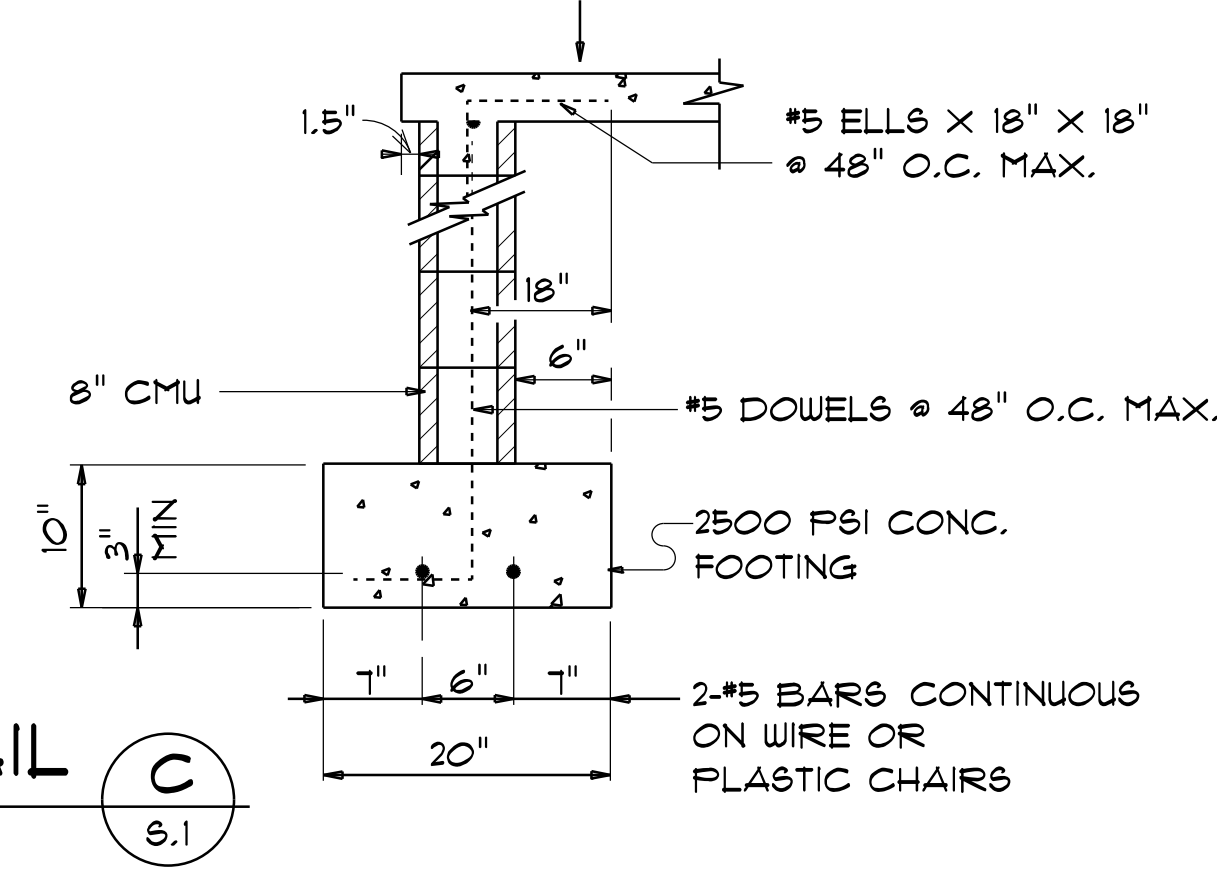
**SECOND FLOOR ELECTRICAL PLAN**

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

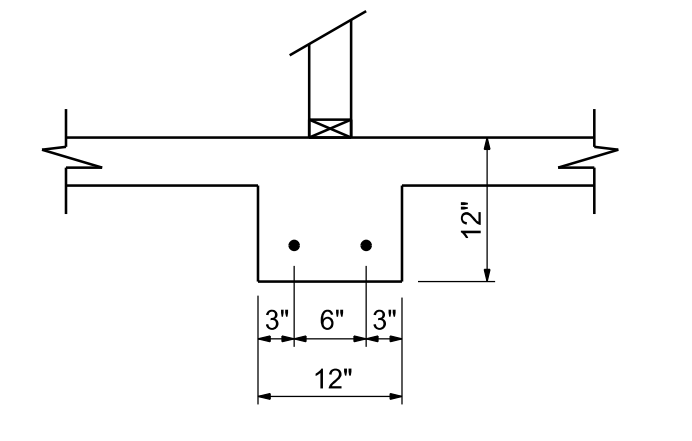
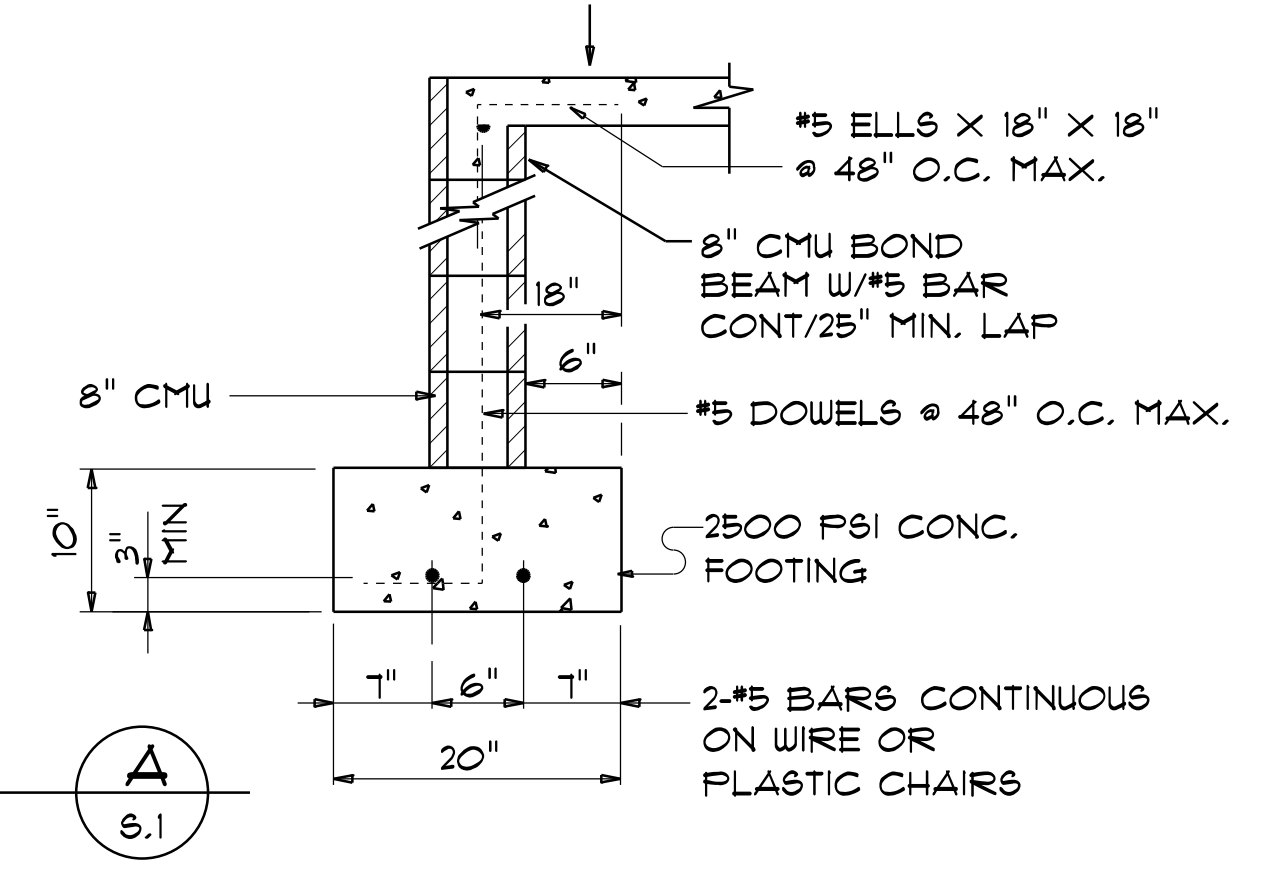
**CONCRETE / MASONRY / METALS GENERAL NOTES:**

- 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 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 BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- 2X4 P/T WOOD BILL, CONT. ALL AROUND, W/ 5/8" A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 12-16" FROM EACH CORNER, EA. WAY, & WITHIN 8-12" FROM ALL WALL OPENINGS / ENDS - 1/2" 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.
- CONCRETE SHALL BE STANDARD MIX F<sub>c</sub> = 3000 PSI FOR ALL FT'GS, SLABS, COLUMNS AND BEAMS 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 I OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

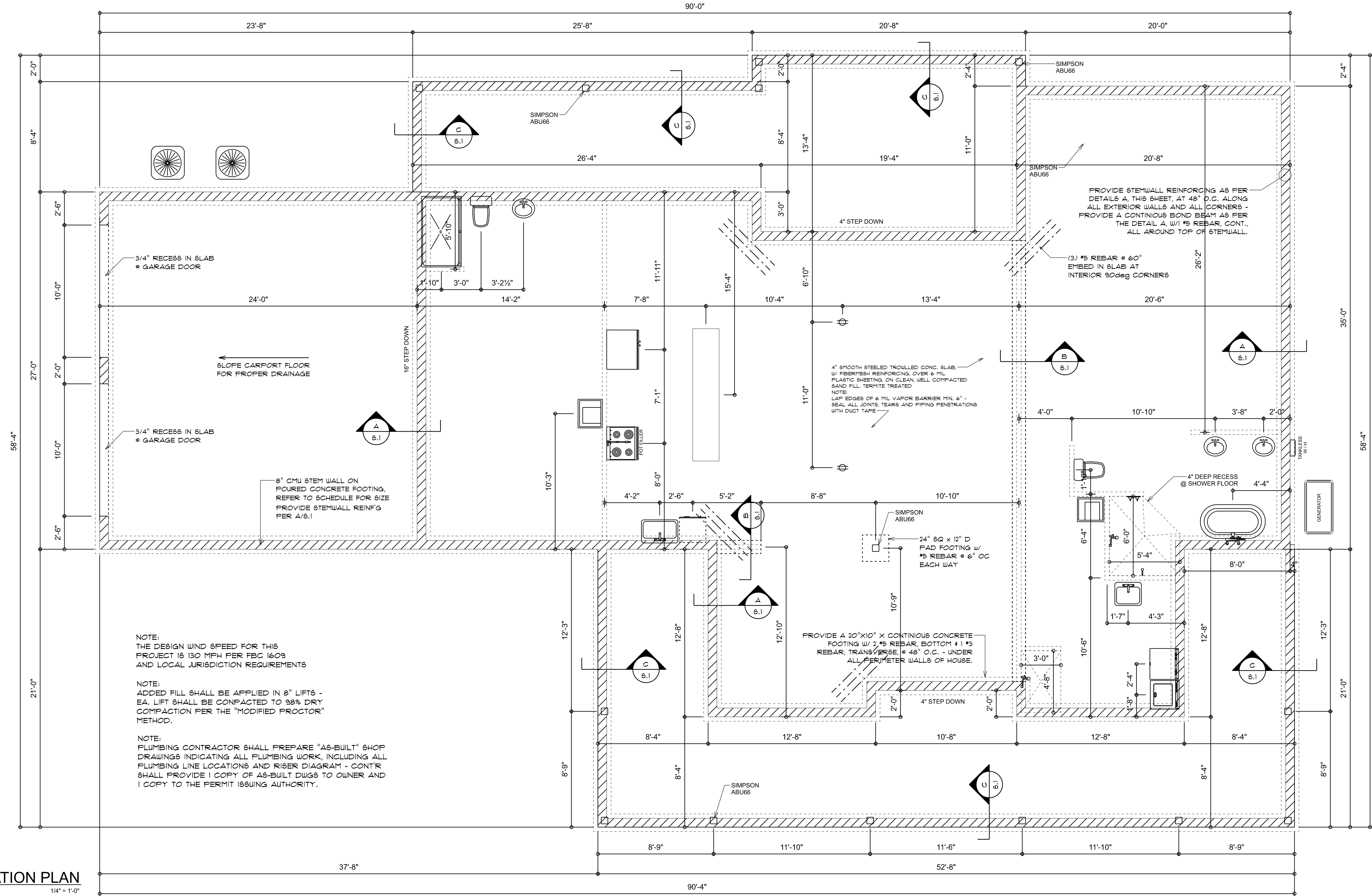
4" THK. 3000 PSI CONCRETE SLAB  
W/ FIBERMESH CONCRETE ADDITIVE,  
OVER TREATED, CLEAN COMPACTED FILL



4" THK. 3000 PSI CONCRETE SLAB  
W/ FIBERMESH CONCRETE ADDITIVE,  
OVER TREATED, CLEAN COMPACTED FILL



NOTE:  
VERIFY INTERIOR BEARING WALLS WITH TRUSS MANUFACTURE DRAWINGS! USE DETAIL 'B' THIS PAGE AT ALL INTERIOR BEARING LOC.



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 - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

| REVISIONS          |
|--------------------|
| October 28th, 2020 |

CUSTOM HOME FOR:  
**THOMAS RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
N.C.A.R.B. Certified  
1158 NW Braham Rd.  
Lake City, FL 32055

SHEET NUMBER  
**S.1**  
OF 4 SHEETS

AR0007005

## General Roofing NOTES:

**DECK REQUIREMENTS:**  
METAL PANELS MUST BE FASTENED TO 1x4 FURRING FURLINS OR 1/2" PLYWOOD  
**CAULKING:**  
MUST BE APPROVED BY THE MANUFACTURER, BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.  
**METAL PANEL:**  
METAL PANELS SHALL BE MIN. 29 GAUGE AND COMPLY WITH ASTM A-792 AND D-1-98  
**FASTENERS:**  
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #3 X 1 1/2" HEX HEAD.  
**ATTACHMENT:**  
METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED, UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 330 OR FA 125.

**BASE AND CAP FLASHINGS:**  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFR'S INSTALLATION INSTRUCTIONS.

1. RC-1 - RIDGE CAP
2. ED-1 - EAVE DRIP
3. EF-3 - EAVE FLASHING
4. SW-1 - SIDEWALL FLASHING
5. EW-1 - ENDWALL FLASHING
6. GR-4 - GABLE END OR RAKE BOARD FLASHING
7. TF-1 - TRANSITION FLASHING
8. FV-2 - PREFORMED VALLEY FLASHING
9. BUTYL TAPE
10. SEALANT TAPE
11. PIPEBOOT

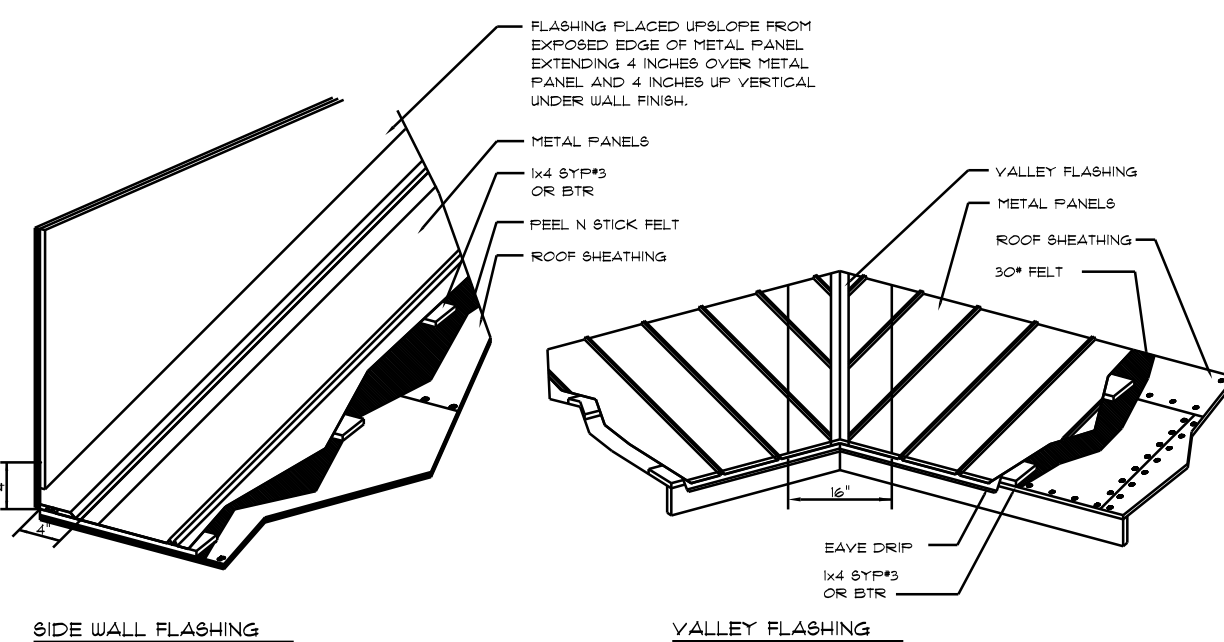
**UNDERLAYMENT APPLICATION:**  
UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

1. STARTING AT THE EAVE, A 18 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 18 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 EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.018 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 7 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.018 INCH.

**VALLEYS:**  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.9.2.
2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
3. 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 & COMPLYING WITH ASTM D 1970.



## METAL ROOFING, DET.

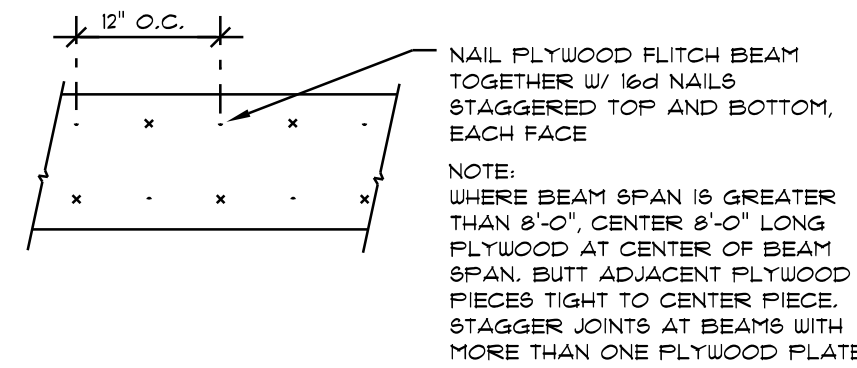
SCALE: NONE

| ROOF ZONE | FASTENER TYPE | FASTENER SIZE | PLACEMENT TO | 100' - 110' |      | 120' - 130' |      | 140' - 150' |      |
|-----------|---------------|---------------|--------------|-------------|------|-------------|------|-------------|------|
|           |               |               |              | O/C SPACING | TRIM | O/C SPACING | TRIM | O/C SPACING | TRIM |
| 1         | WD. SCREW     | #3 X 1 1/2"   | WOOD         | 36"         | 18"  | 24"         | 12"  | 24"         | 12"  |
|           | MTL. SCR.     | #2 X 1"       | < 18 GA.     | 36"         | 18"  | 24"         | 12"  | 24"         | 12"  |
| 2 & 3     | WD. SCREW     | #3 X 1 1/2"   | WOOD         | 36"         | 18"  | 24"         | 12"  | 24"         | 8"   |
|           | MTL. SCR.     | #2 X 1"       | < 18 GA.     | 36"         | 18"  | 24"         | 12"  | 24"         | 8"   |

## Roofing/Flashing DETS.

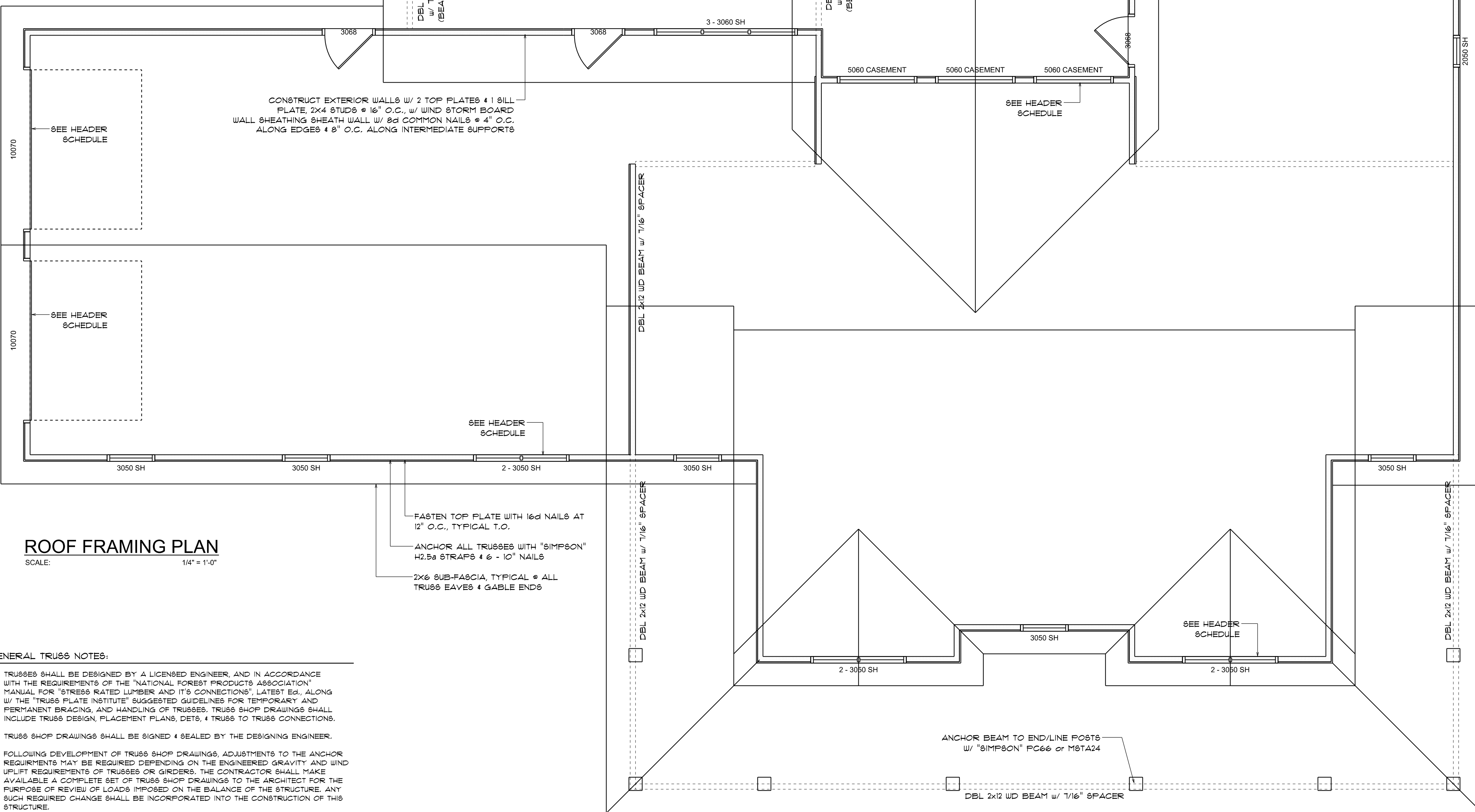
SCALE: NONE

A



## PLYWOOD FLITCH BEAM DETAIL

NOT TO SCALE



## ROOF FRAMING PLAN

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

## 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 ENGINEER'S 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 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 #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.

## STANDARD HEADER SCHEDULE

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

DOUBLE 2x8 No. #2 SOUTHERN PINE WITH 1/2" OSB 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 MSTA18 TOP AND 1 - SIMPSON 8PH4R 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" OSB 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 MSTA24 TOP AND 1 - SIMPSON 8PH4R 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" OSB 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 MSTA18 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 1/2" x 11 1/8" 2.0E MICROLAMM 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 MSTA18 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

**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

**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

## 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!**  
ANCHOR GIRDER TRUSS(ES) TO HEADER WITH 2 "SIMPSON" LGT(2, 3 OR 4), ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" 972 EA. END - TYP., T.O.

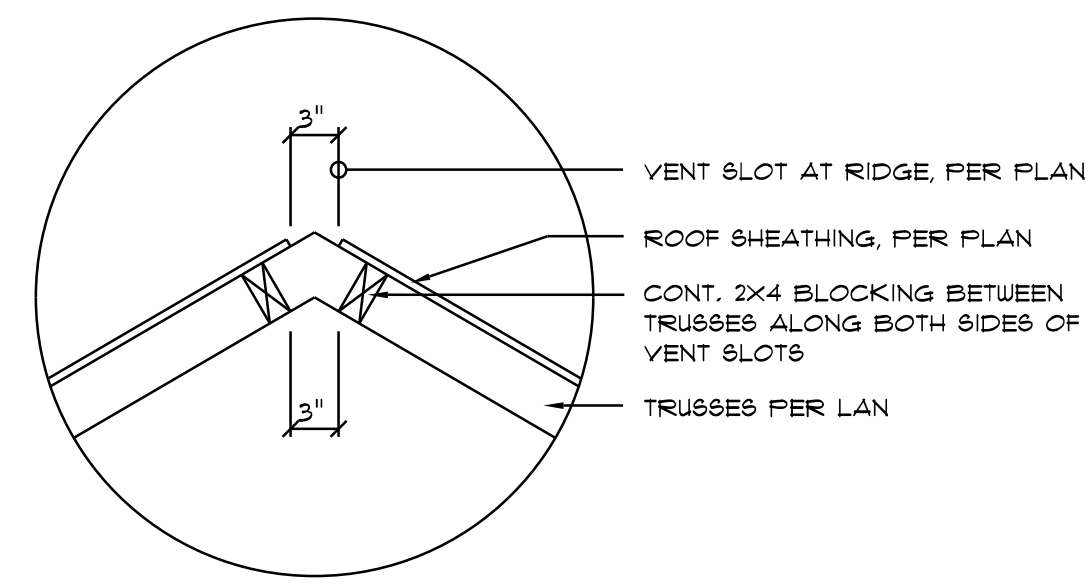
| REVISIONS | DATE               | DESCRIPTION |
|-----------|--------------------|-------------|
| 1         | October 28th, 2020 |             |

CUSTOM HOME FOR:  
**THOMAS RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

**N3**  
NICHOLAS PAUL GEISLER ARCHITECT  
N.C.A.R.B. Certified  
1158 NW Bigham Rd.  
Lake City, FL 32055

SHEET NUMBER  
**S.2**  
OF 4 SHEETS

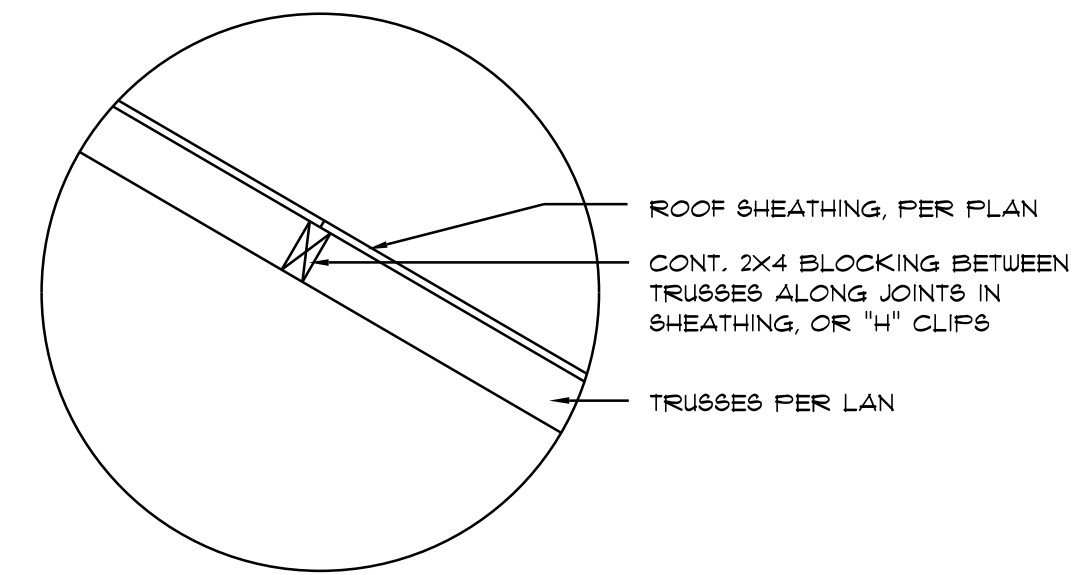
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**Vent DETAIL**

SCALE: NONE

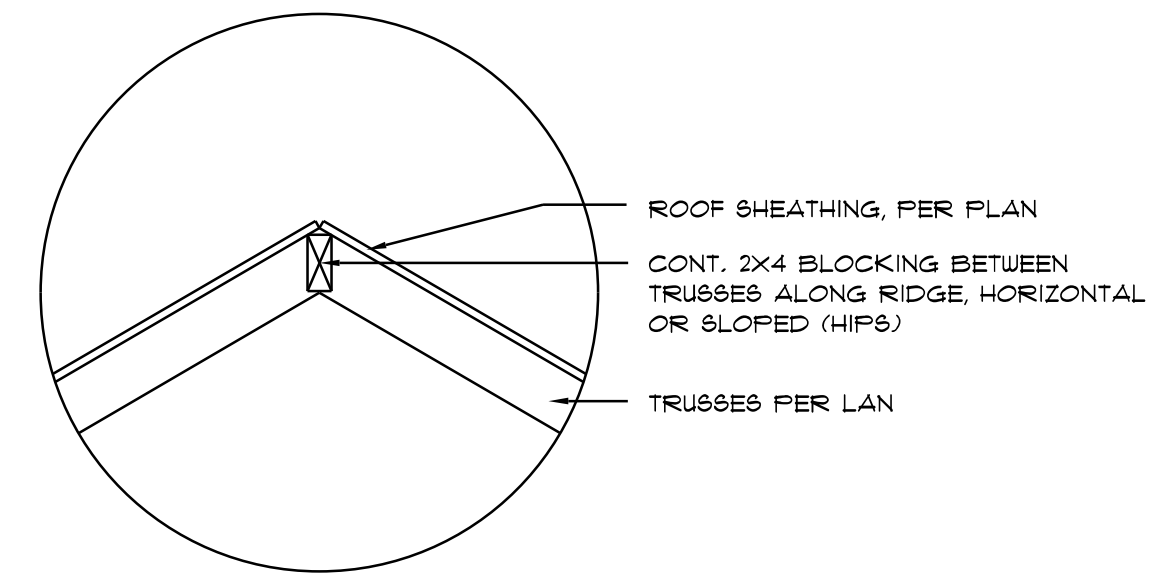
A1



**Joint DETAIL**

SCALE: NONE

A2



**Ridge DETAIL**

SCALE: NONE

A3

**FRAMING ANCHOR SCHEDULE**

| APPLICATION                  | MANUF'R/MODEL                                 | CAP.      |
|------------------------------|---|-----------|
| TRUSS TO WALL:               | SIMPSON H2.5a or SDUC15600                    | 600*      |
| GIRDER TRUSS TO POST/HEADER: | SIMPSON LGT. W/ 2" - 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 PC44 or (2) 5/8" LAG BOLTS EA. POST   | 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 #95-0218.15

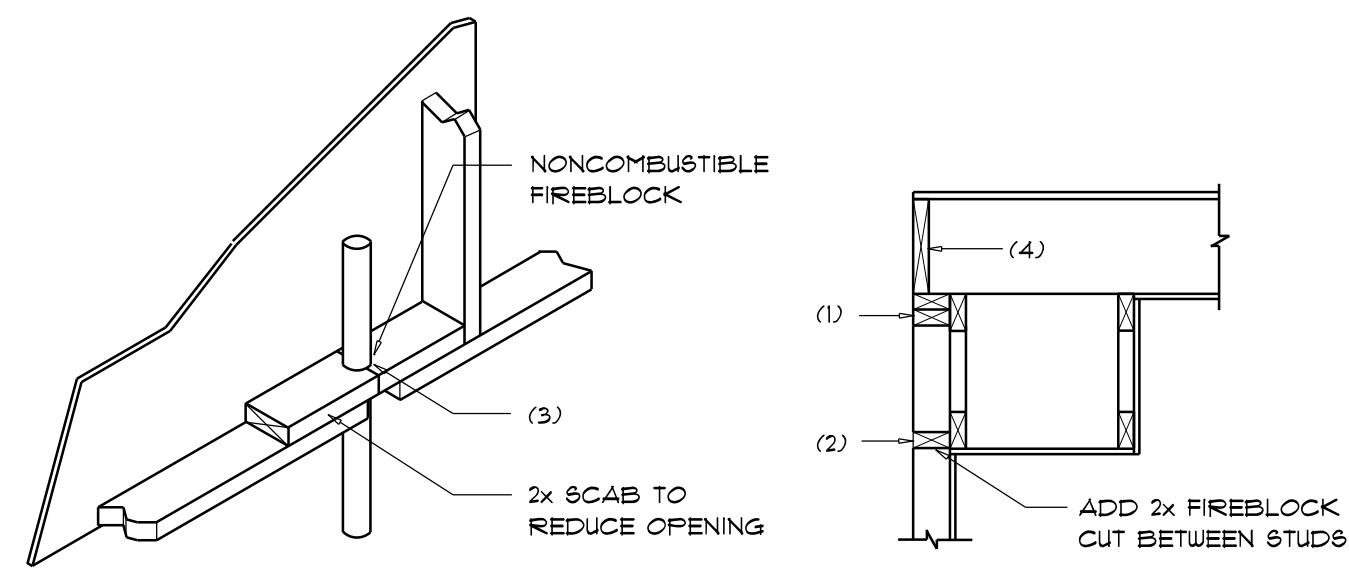
NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04  
8ECCI NER-443, NER-393

**BUILDING COMPONENTS & CLADDING LOADS**  
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"  
ROOF ANGLE 'T' TO 2T'

| WIND SPEED      | WIND DIRECTION | WIND VELOCITY (MPH) |              |              |              |              |
|-----------------|----------------|---------------------|--------------|--------------|--------------|--------------|
|                 |                | 10                  | 20           | 30           | 40           |              |
| ROOF 'T' TO 2T' | 1              | 10                  | 12.0 / -19.9 | 14.9 / -23.7 | 17.8 / -27.8 | 20.3 / -32.3 |
|                 |                | 20                  | 11.4 / -19.4 | 13.6 / -23.0 | 16.0 / -27.0 | 18.5 / -31.4 |
|                 | 2              | 10                  | 12.5 / -34.7 | 14.9 / -41.3 | 17.8 / -48.4 | 20.3 / -56.2 |
|                 |                | 20                  | 11.4 / -31.9 | 13.6 / -38.0 | 16.0 / -44.6 | 18.5 / -51.7 |
|                 | 3              | 10                  | 12.5 / -51.3 | 14.9 / -61.0 | 17.8 / -71.6 | 20.3 / -83.1 |
|                 |                | 20                  | 11.4 / -47.9 | 13.6 / -57.1 | 16.0 / -67.0 | 18.5 / -77.1 |
| WALL            | 4              | 10                  | 21.8 / -23.6 | 25.9 / -34.7 | 30.4 / -33.0 | 35.3 / -38.2 |
|                 |                | 20                  | 20.8 / -22.6 | 24.7 / -32.9 | 29.0 / -31.6 | 33.7 / -36.1 |
|                 | 5              | 10                  | 21.8 / -29.1 | 25.9 / -34.7 | 30.4 / -40.7 | 35.3 / -47.2 |
|                 |                | 20                  | 20.8 / -27.2 | 24.7 / -32.4 | 29.0 / -38.0 | 33.7 / -44.0 |

**HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING**

| BLDG HEIGHT | EXPOSURE 'B' | EXPOSURE 'C' | EXPOSURE 'D' |
|-------------|--------------|--------------|--------------|
| 15          | .82          | 1.21         | 1.47         |
| 20          | .89          | 1.29         | 1.55         |
| 25          | .94          | 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 CEILING, COVE CEILING, ETC.
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL 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

**FLORIDA BUILDING CODE**

**Compliance Summary**

TYPE OF CONSTRUCTION  
 Roof: Gable Construction, Wood Trusses @ 24" O.C.  
 Walls: 2x6 Wood Studs @ 16" O.C.  
 Floor: 4" Thk. Concrete Slab w/ Fibermesh Concrete Additive  
 Foundation: Continuous Footer/Stem Wall

ROOF DECKING  
 Material: 1/2" CDX Plywood or 7/16" O.S.B.  
 Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
 Fasteners: .113 RING SHANKED Nails per schedule on sheet 9.4

SHEARWALLS  
 Material: 7/16" O.S.B. WINDSTORM BOARD  
 Sheet Size: 48"x96" Sheets Placed Vertical  
 Fasteners: .113 COMMON Nails @ 4" O.C. Edges & 8" O.C. Interior  
 Dragstrut: Double Top Plate (S.Y.P.) w/ 16d Nails @ 12" O.C.  
 Wall Studs: 2x6 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 6" from corner  
 Corner Hold-down Device: (1) HD5a @ each corner  
 Forch Column Base Connector: Simpson AEB66 @ each column  
 Forch Column to Beam Connector: Simpson M8TA20 (2 ea. side) or Simpson EPC66 or 2 - 5/8" thru bolts

FOOTINGS AND FOUNDATIONS  
 Footing: 20"x10" Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.  
 Stemwall: 8" C.M.U. w/ #5 Vertical Dowel @ 48" O.C.  
 Int. Footings: 12"x12" x Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.

**STRUCTURAL DESIGN CRITERIA:**

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA, 8th EDITION BUILDING CODE - SECTION 1609 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: "B"  
 BASED ON ANSI/ASCE 7-22, 2023 FBC 1609-A WIND VELOCITY: V<sub>ULT</sub> = 130 MPH  
 V<sub>ASD</sub> = 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: 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 1402.6
- 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 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 PER-CONSTRUCTION TREATMENT. FBC 1816.1.7
- 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 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, 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

REVISIONS

|                    |  |
|--------------------|--|
| October 28th, 2020 |  |
|--------------------|--|

CUSTOM HOME FOR:  
**THOMAS RESIDENCE**  
 COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
 N.C.A.R.B. Certified  
 1158 NW Braham Rd.  
 Lake City, FL 32055

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

AR0007005

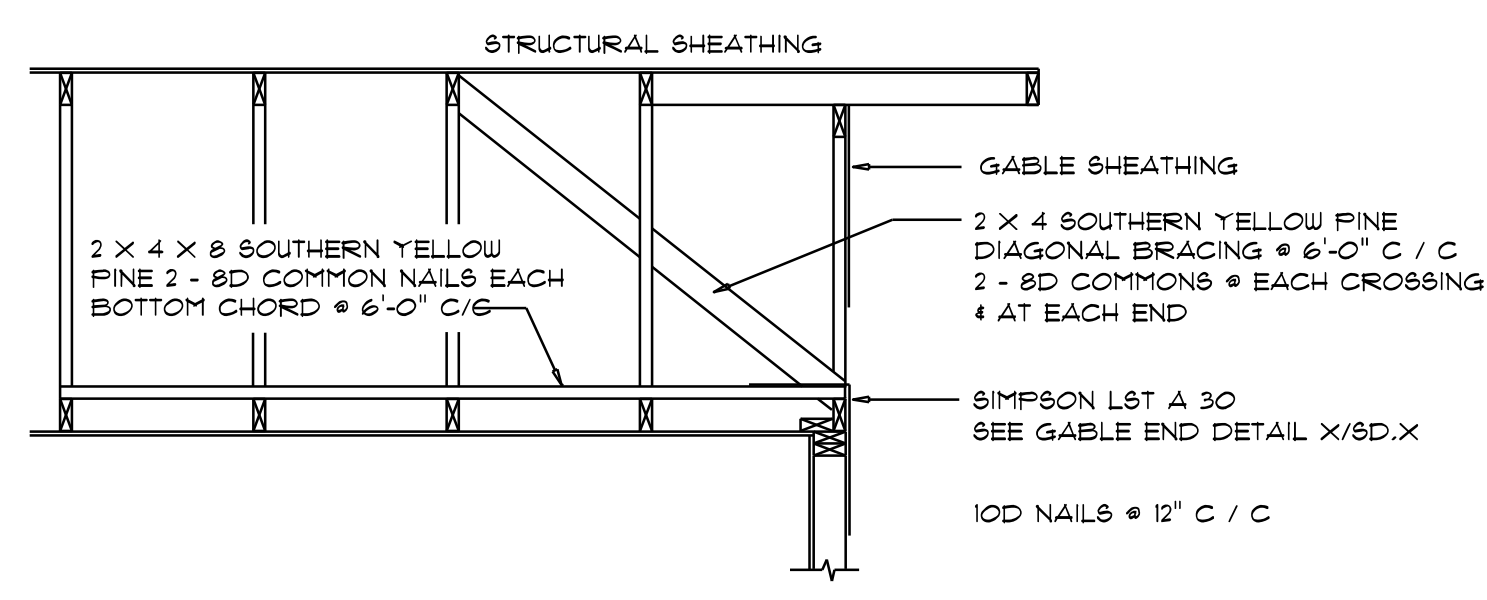
| REVISIONS          |
|--------------------|
| October 28th, 2020 |

CUSTOM HOME FOR:  
**THOMAS RESIDENCE**  
 COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
 N.C.A.R.B. Certified  
 1158 NW Brown Rd.  
 Lake City, FL 32055

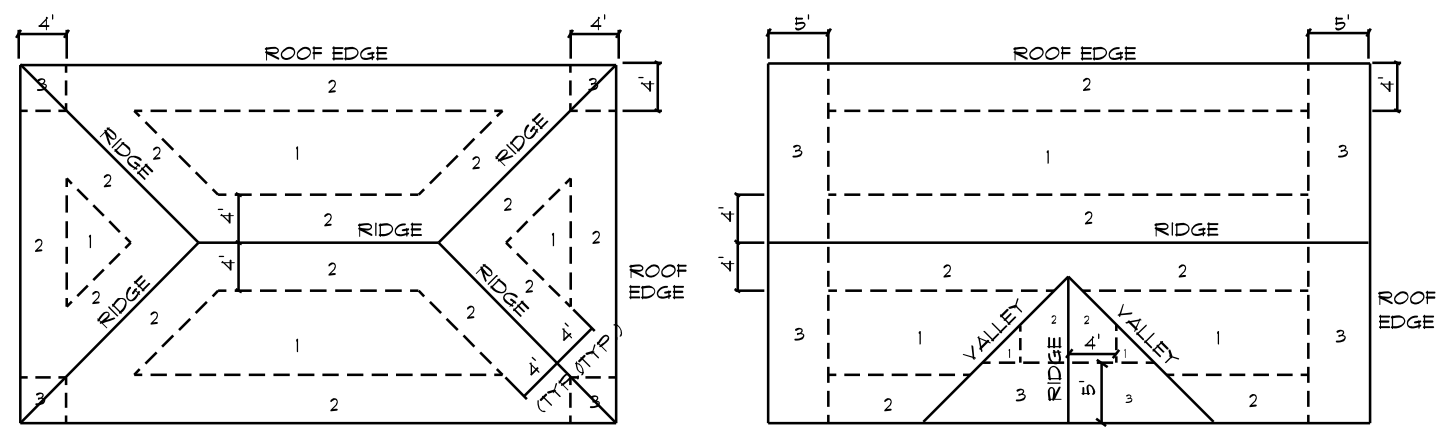
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 OF 4 SHEETS

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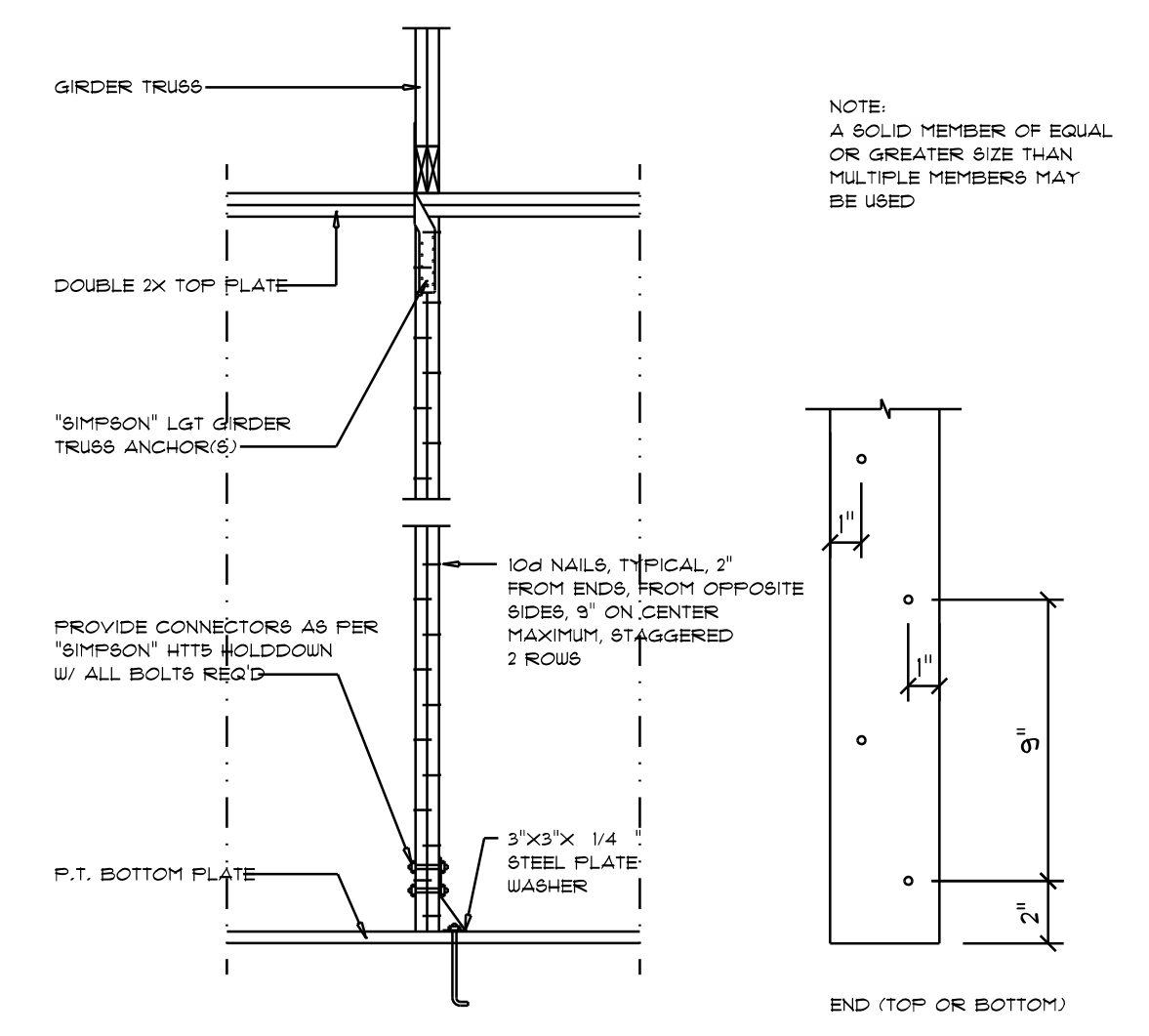


**END WALL BRACING FOR CEILING DIAPHRAGM**  
 NT8 (ALTERNATIVE TO BALLOON FRAMING)  
 NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

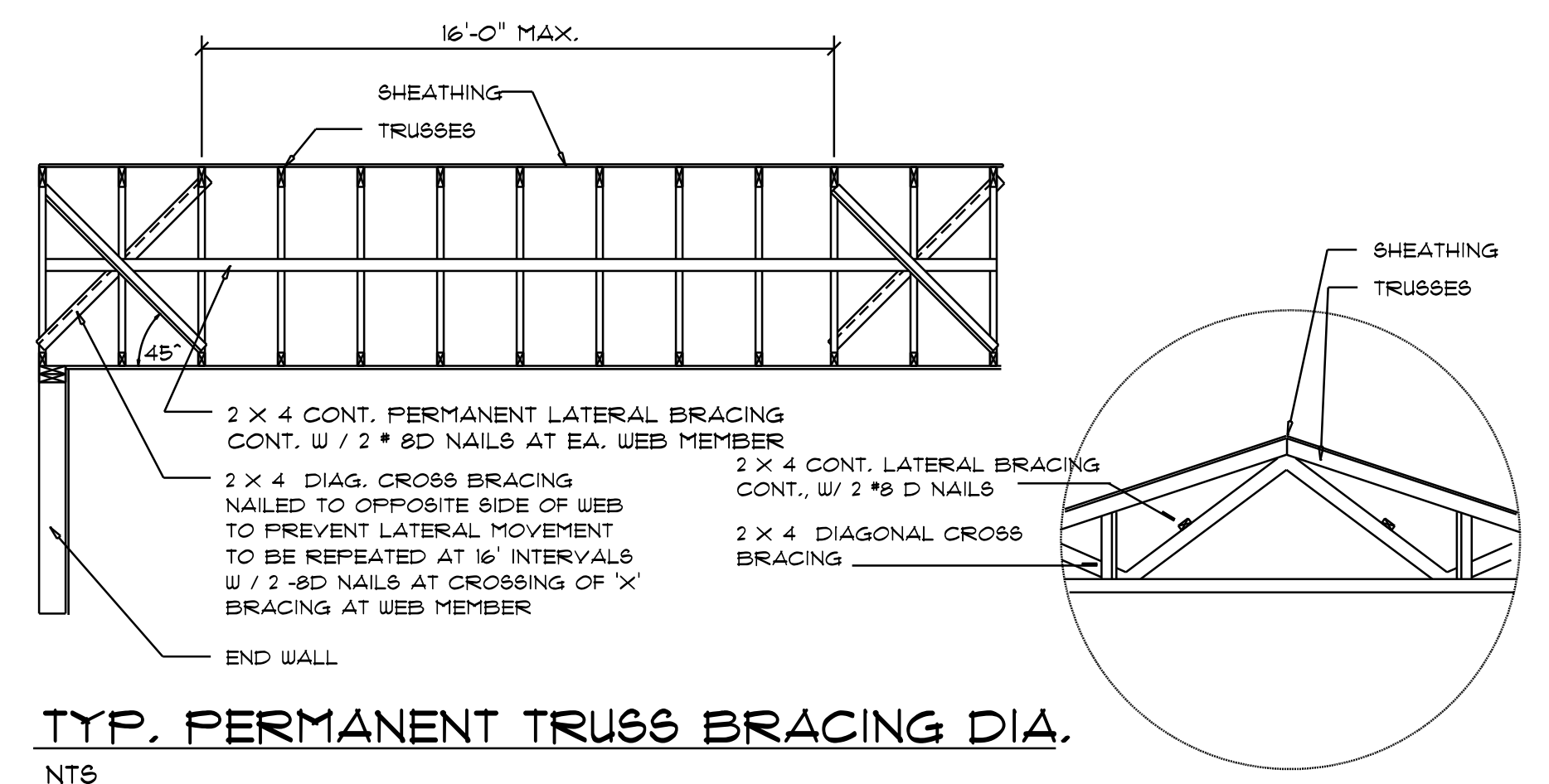
| ROOF SHEATHING FASTENINGS |                          |                                |  |
|---------------------------|--------------------------|--------------------------------|--|
| NAILING ZONE              | SHEATHING TYPE           | FASTENER                       | SPACING  |
| 1                         |                          | 6 in. o.c. EDGE                | 6 in. o.c. FIELD   |
| 2                         | 1/8" O.S.B. OR 15/32 CDX | 2 1/2"x0.131" RING SHANK NAILS | 6 in. o.c. EDGE<br>6 in. o.c. FIELD  |
| 3                         |                          | 3"x0.100" RING SHANK NAILS     | 4 in. o.c. GABLE ENDWALL OR GABLE TRUSS<br>6 in. o.c. EDGE<br>6 in. o.c. FIELD |



**Roof Nail Pattern DET.**  
 SCALE: NONE

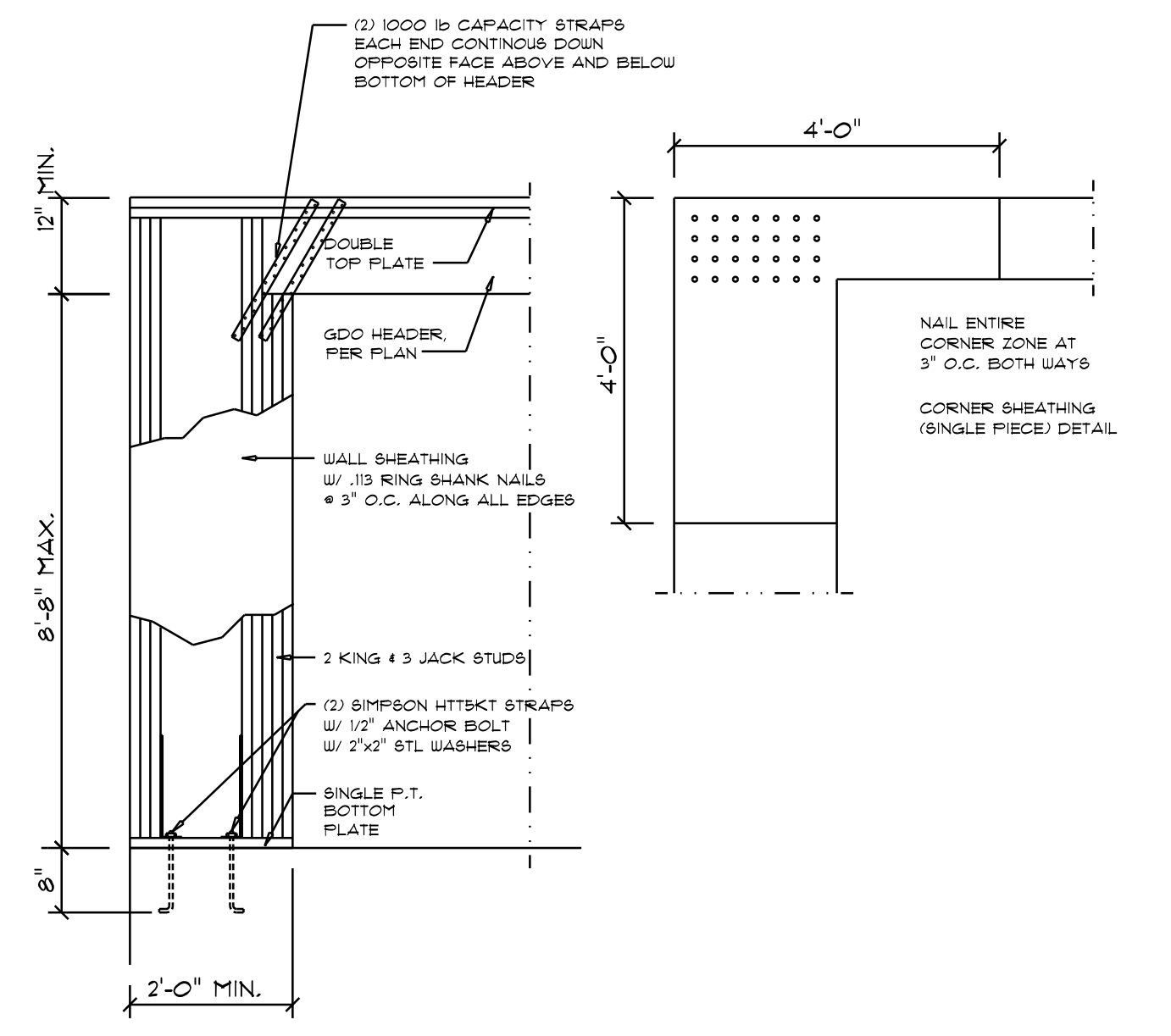


**Girder Truss Column DET.**  
 SCALE: 1/2" = 1'-0"

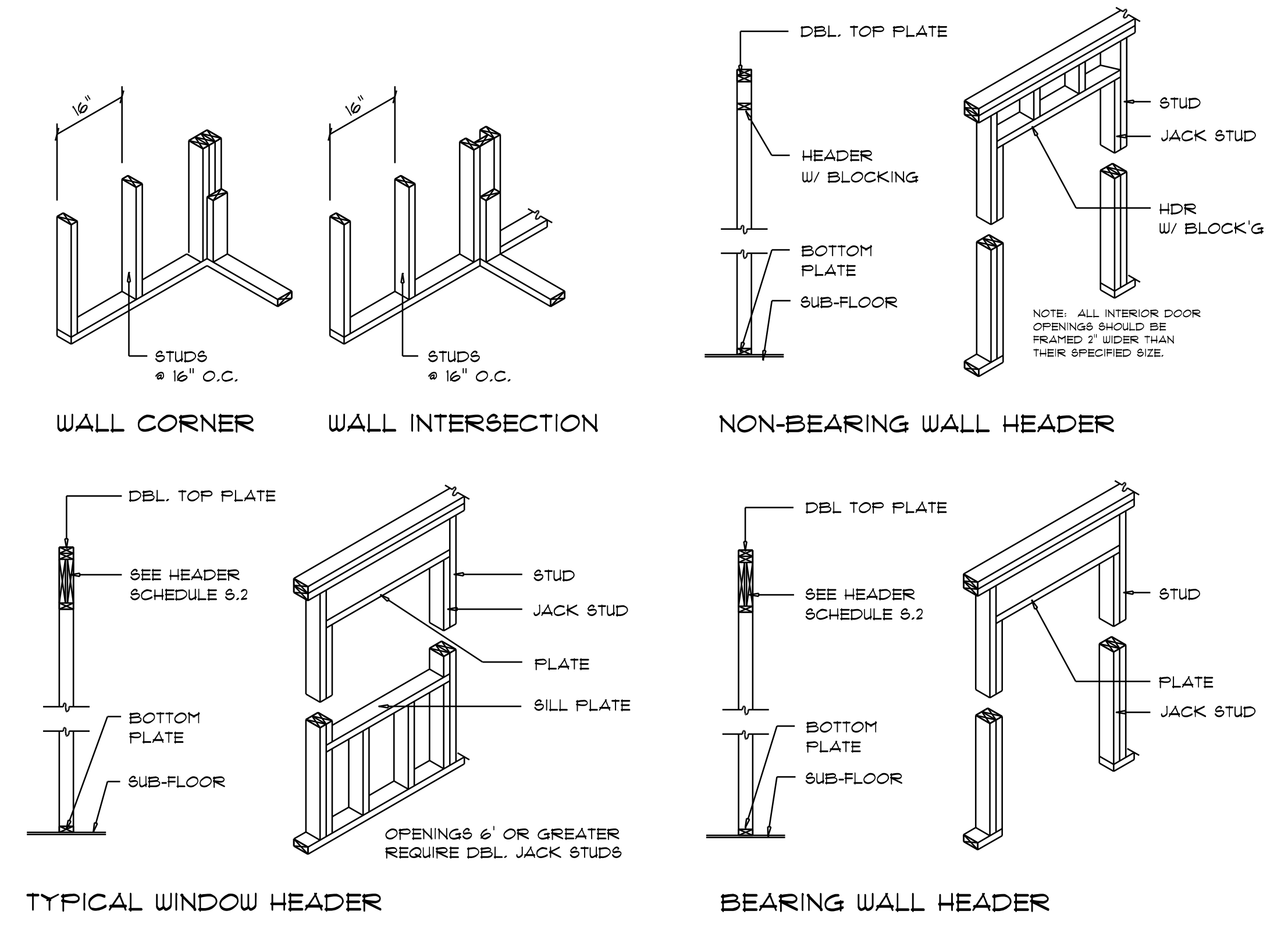


**TYP. PERMANENT TRUSS BRACING DIA.**  
 NT8  
 NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

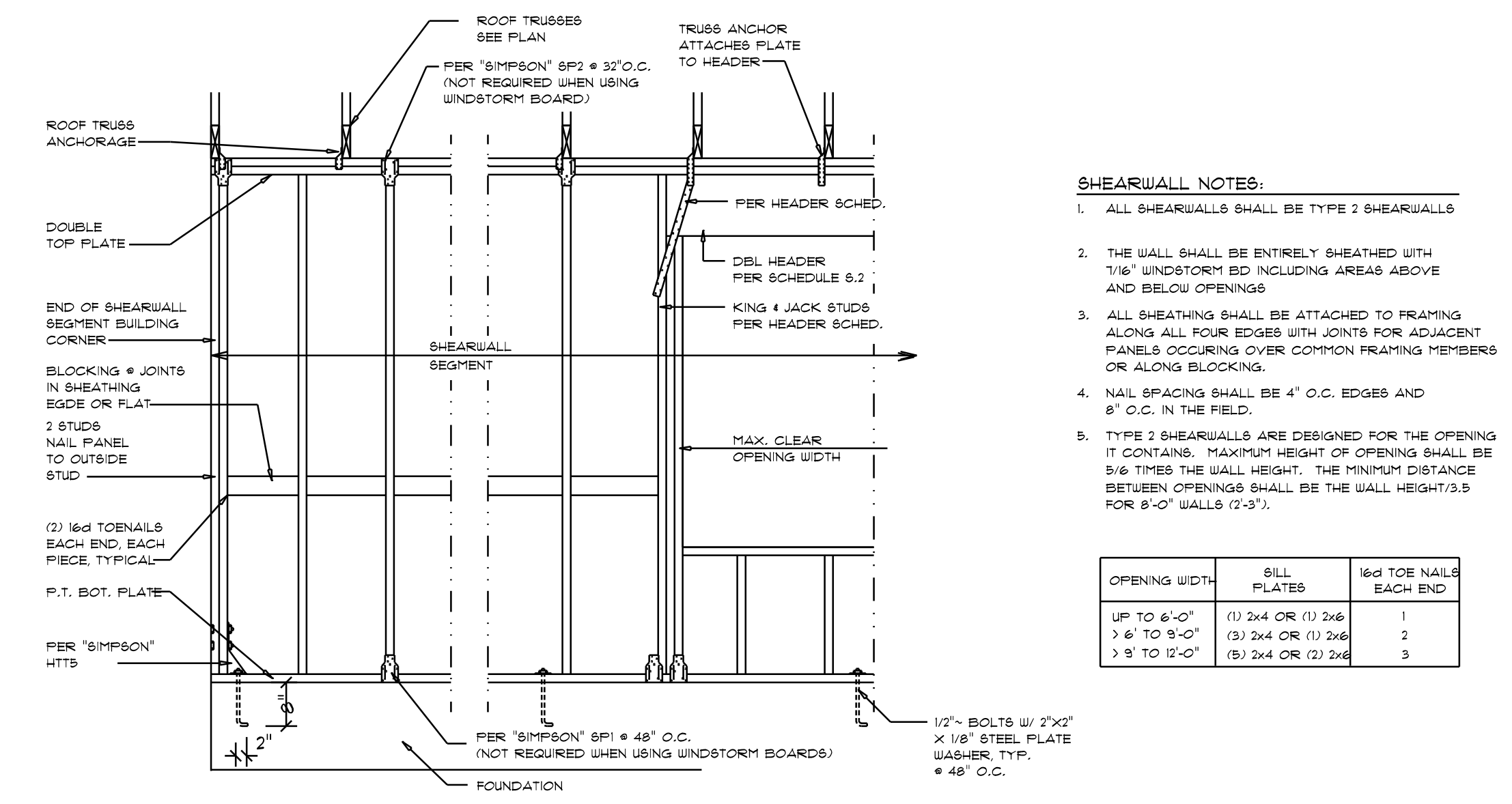
**Truss Bracing DETAILS**  
 SCALE: AS NOTED



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



**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 1/8" 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 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
  - TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 3/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHTS.5 FOR 8'-0" WALLS (2'-3").

| OPENING WIDTH   | SILL PLATES        | 16d TOE NAILS EACH END |
|-----------------|--------------------|------------------------|
| UP TO 6'-0"     | (1) 2x4 OR (1) 2x6 | 1                      |
| 3' 6" TO 9'-0"  | (3) 2x4 OR (2) 2x6 | 2                      |
| 3' 8" TO 12'-0" | (2) 2x4 OR (2) 2x6 | 3                      |