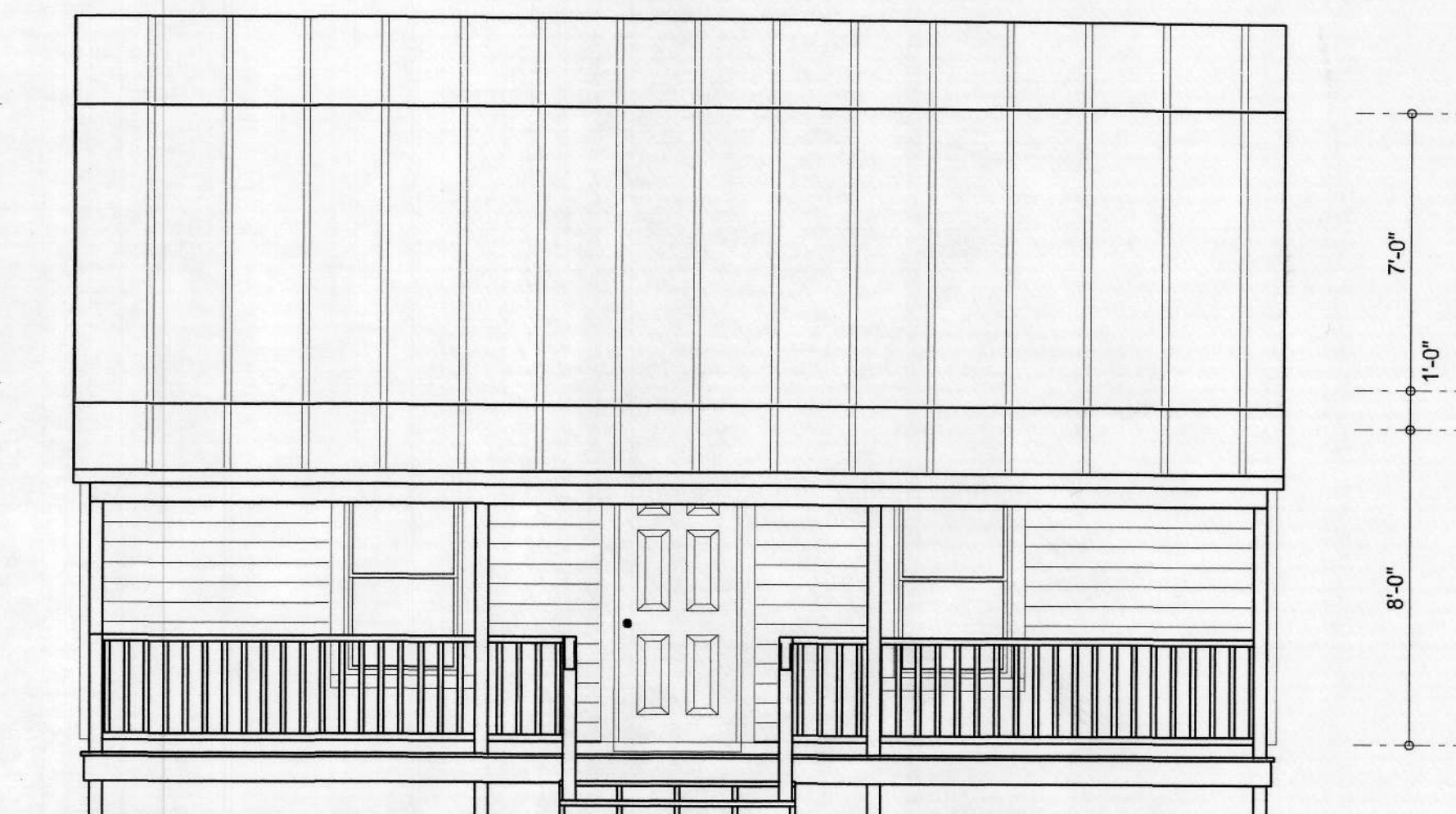


REAR ELEVATION

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

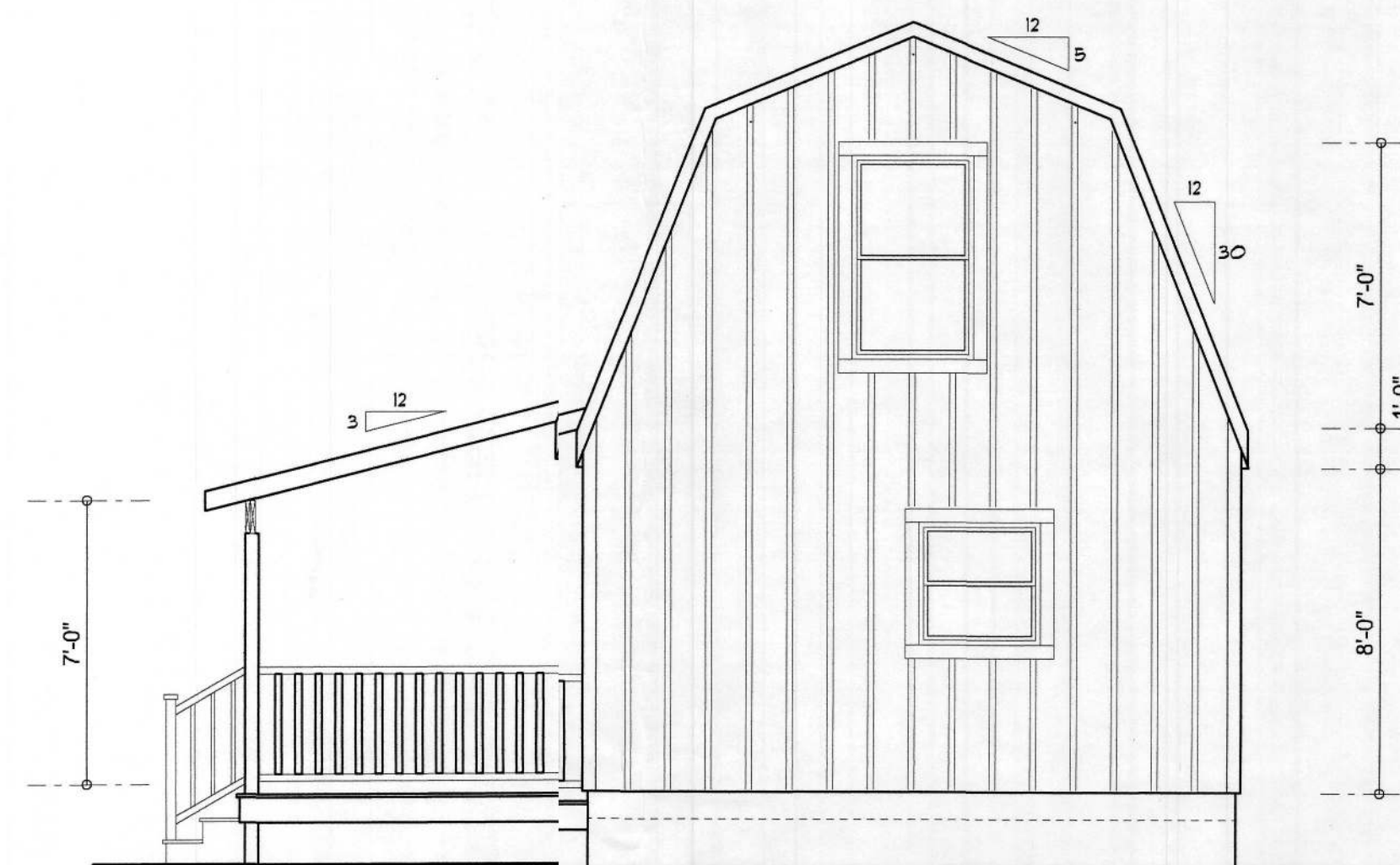


FRONT ELEVATION

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

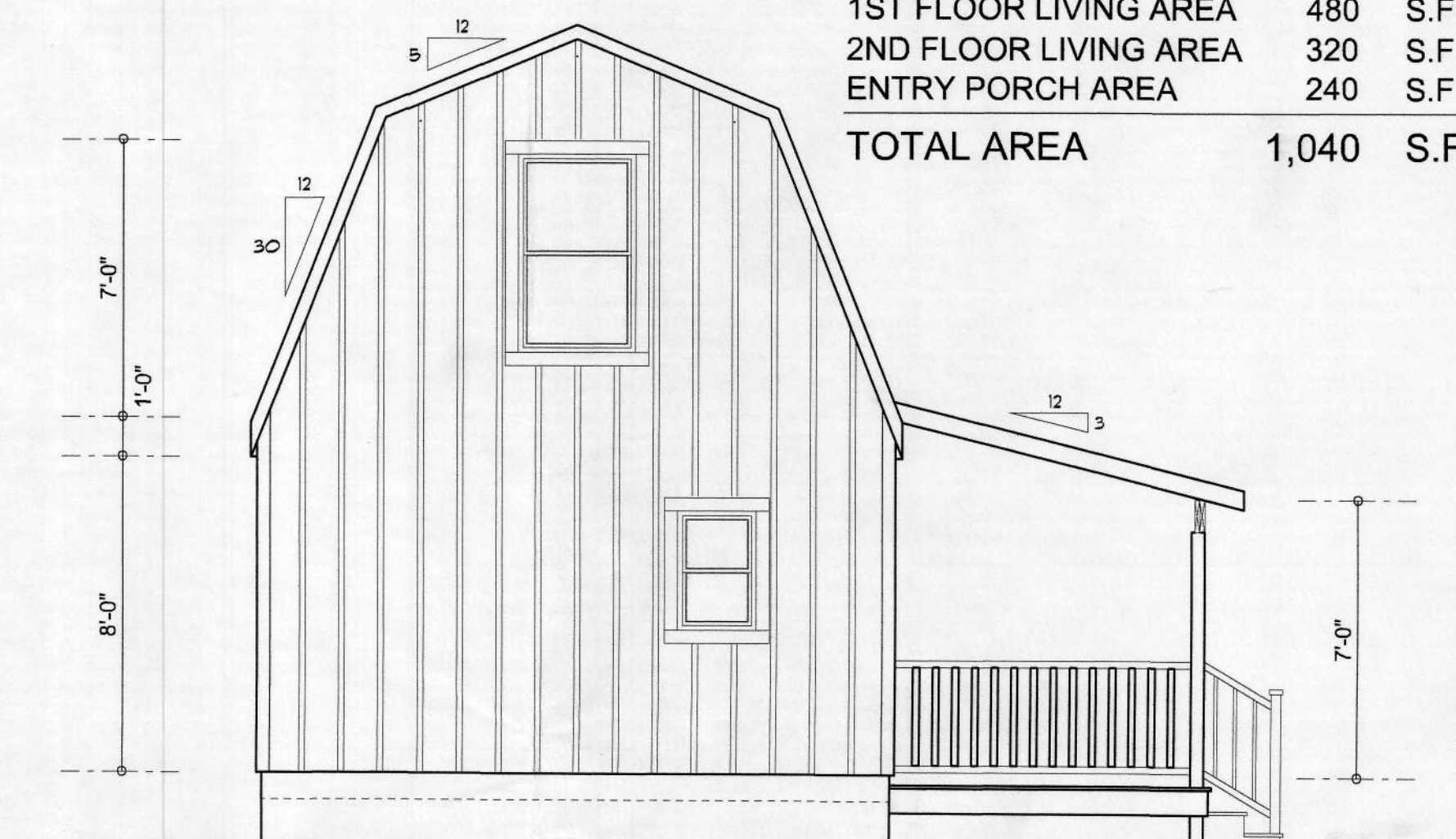
AREA SUMMARY

|                       |       |      |
|-----------------------|-------|------|
| 1ST FLOOR LIVING AREA | 480   | S.F. |
| 2ND FLOOR LIVING AREA | 320   | S.F. |
| ENTRY PORCH AREA      | 240   | S.F. |
| TOTAL AREA            | 1,040 | S.F. |



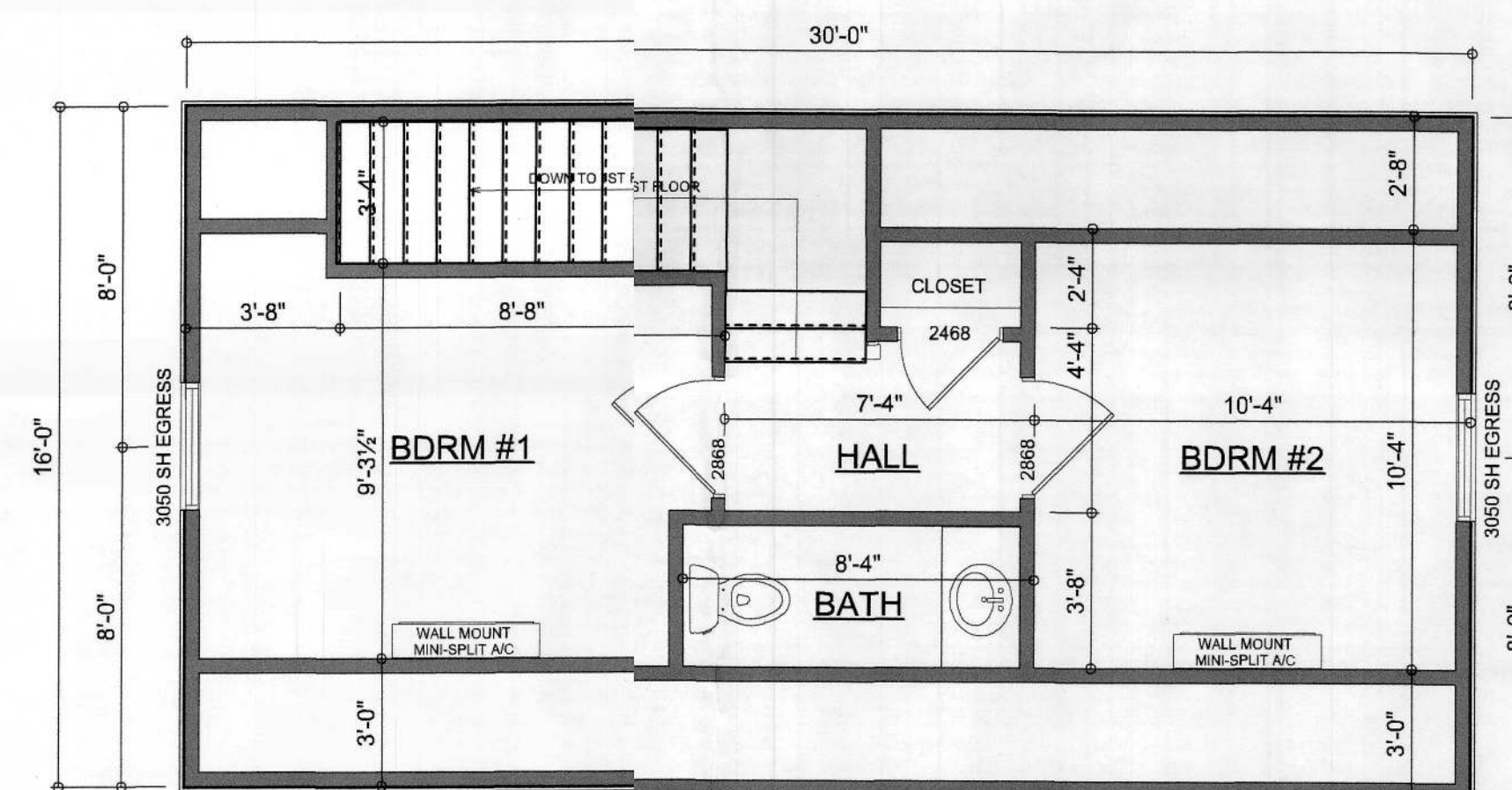
RIGHT ELEVATION

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



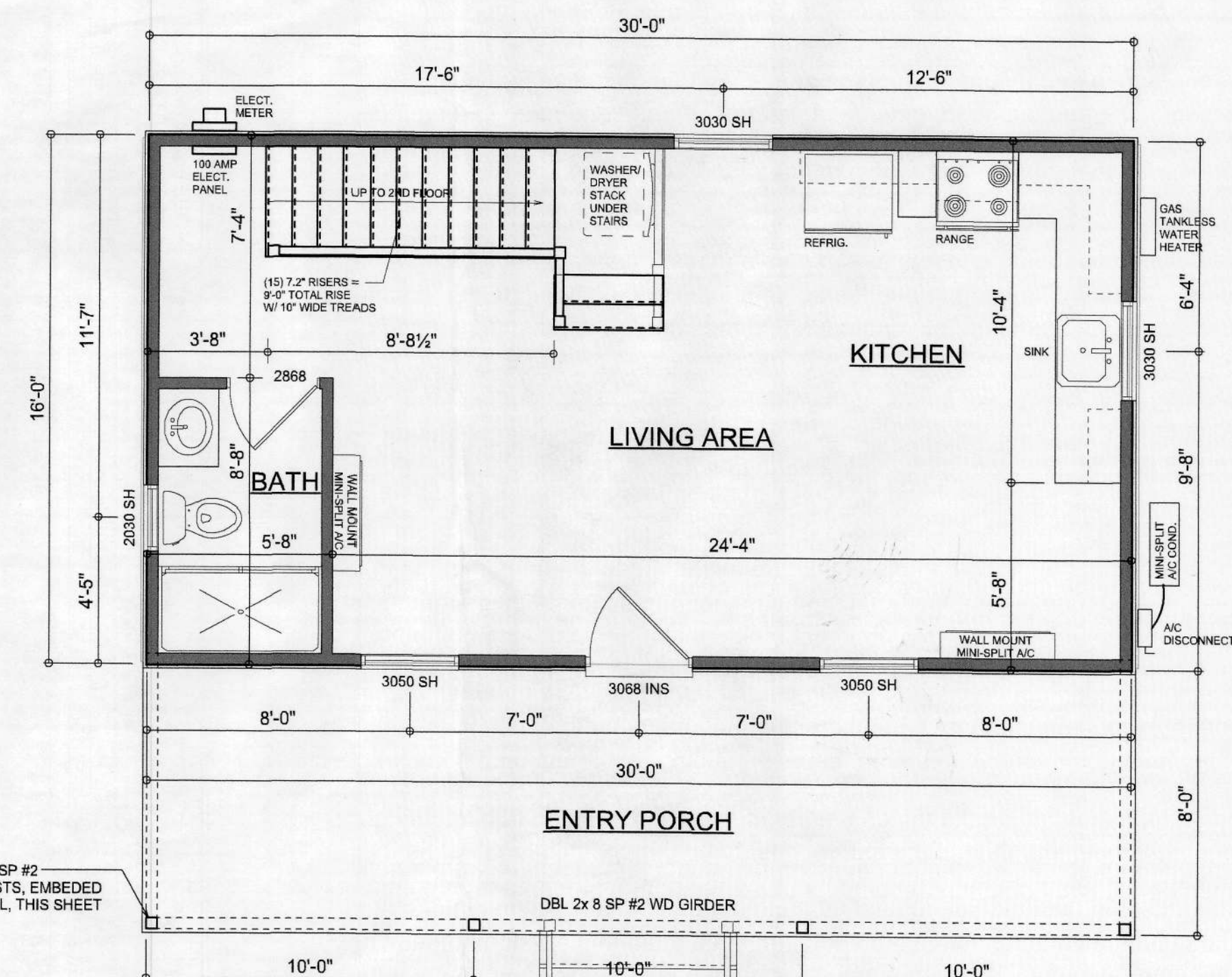
LEFT ELEVATION

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



2ND FLOOR PLAN

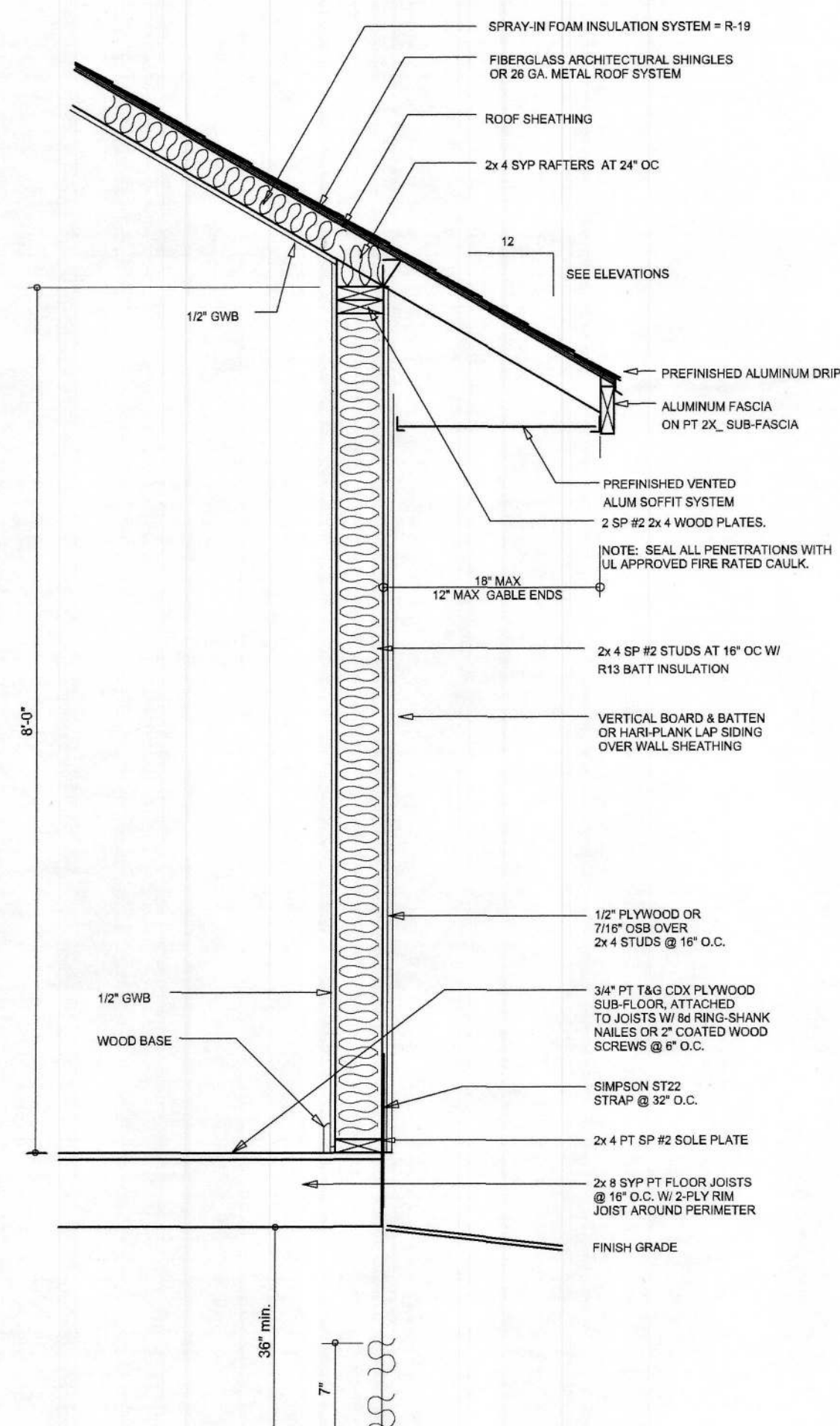
SCALE: 1/4" = 1'-0"



1ST FLOOR PLAN

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

NOTE: ALL WALLS SHALL BE 8'-0" UNLESS OTHERWISE NOTED.  
OCCUPANCY CLASSIFICATION: R-3 (SINGLE FAMILY RESIDENCE)



TYPICAL WALL SECTION

SCALE: 1" = 1'-0"

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

REVISIONS  
January 11, 2022

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

Will C. Myers

A BARN DESIGN FOR:  
**Wayne Green**  
PROJECT ADDRESS: 533 SW Homestead Cir  
Fort White, Florida 32068

**BAMBA**  
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Will C. Myers  
AR0007005

**NICHOLAS PAUL GEISLER**  
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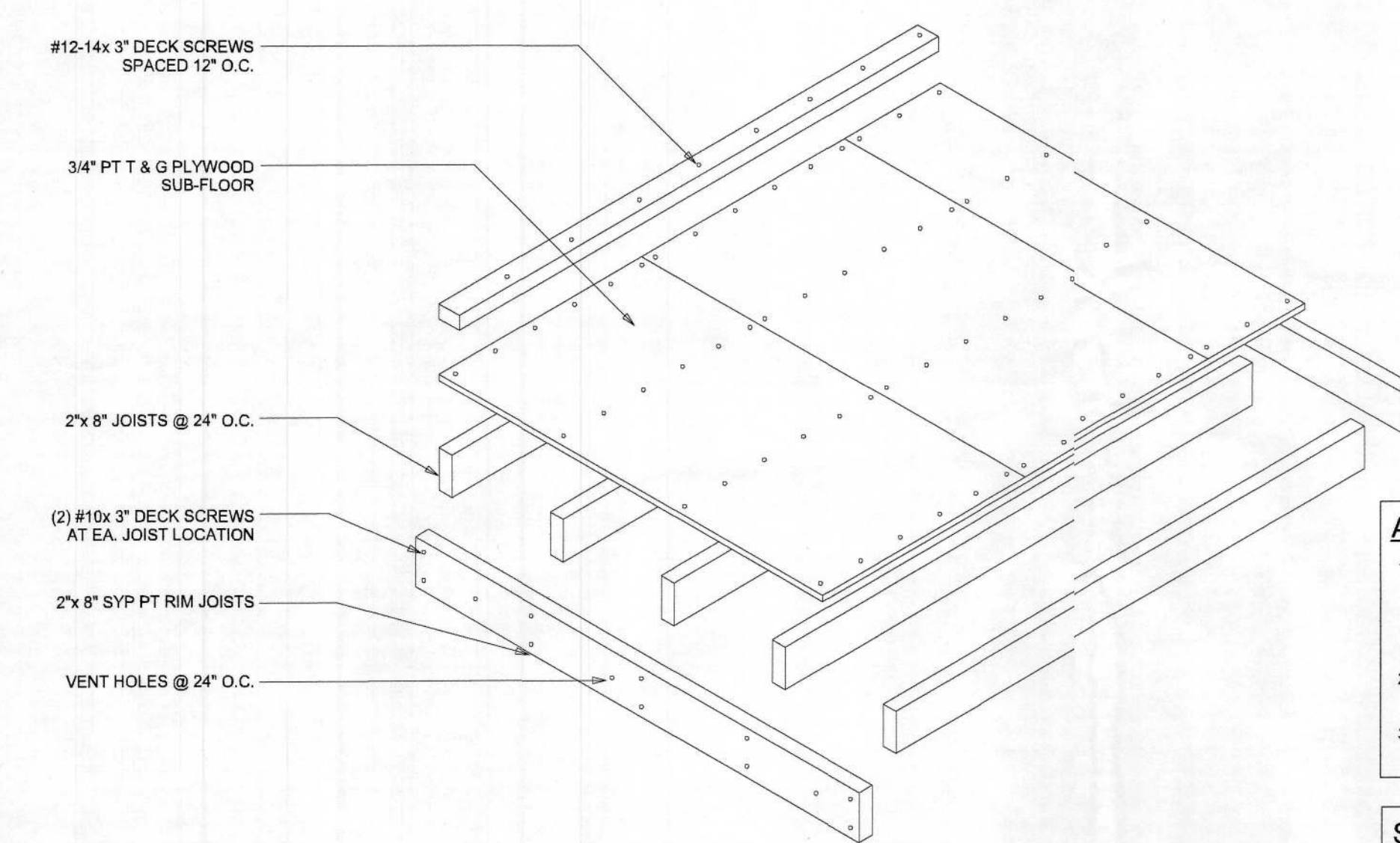
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**W**

JOB NUMBER  
2022010  
DATE:

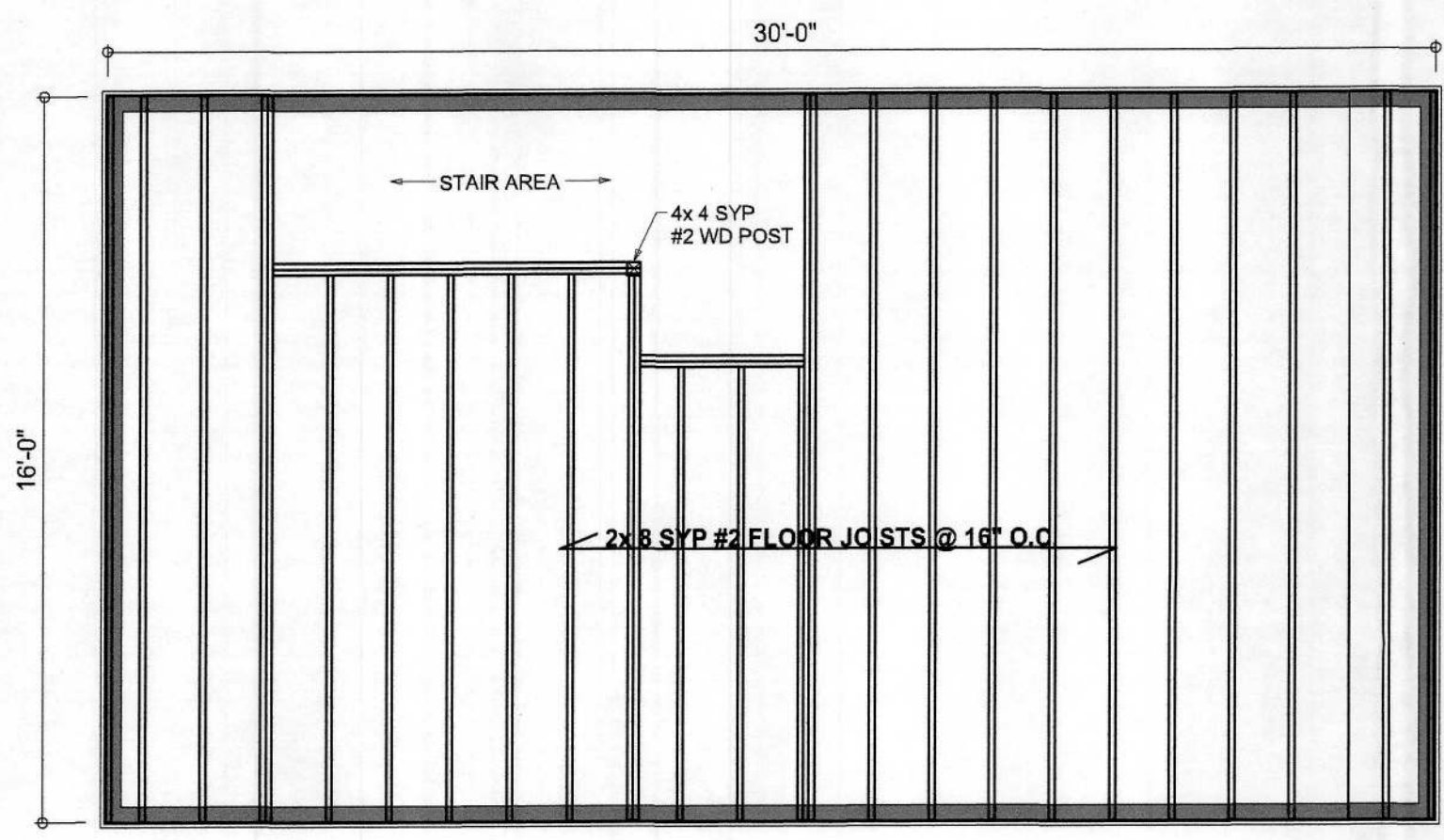
SHEET NUMBER  
**A.1**





SHED BASE DETAIL

SCALE: NO SCALE:

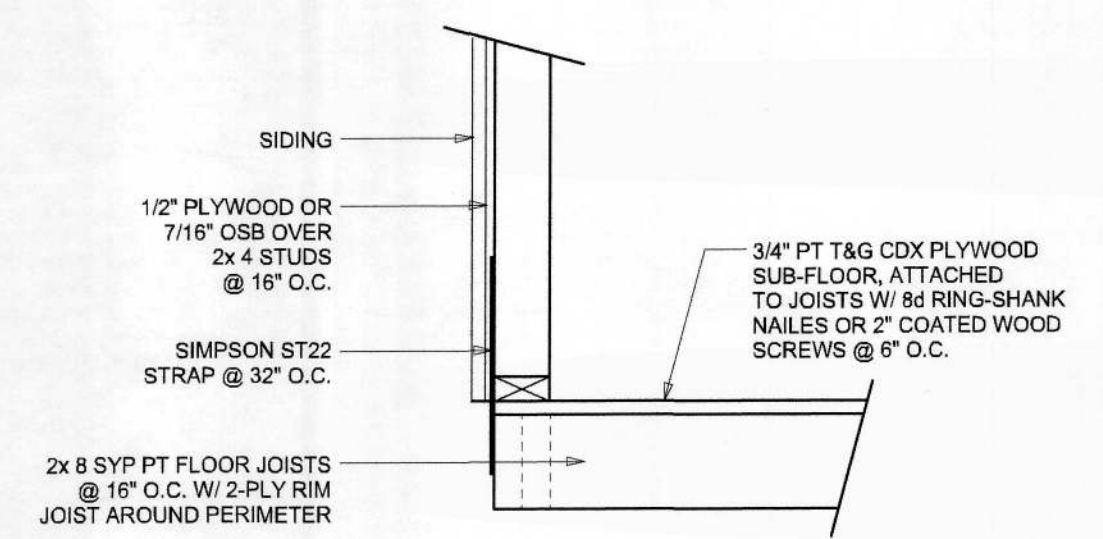


FLOOR FRAMING PLAN

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

- AUGER ANCHOR NOTES:**
- OT3644B-GMP = 5/8"x 36" (36" min. EMBED) GALVANIZED AUGER REPORT NO. RAD-3080 OT175WB-SIDEWALL BRACKET FOR USE WITH THRU-BOLTS REPORT NO. LO-F90129-A -OR-
  - OT245WB-SIDEWALL BRACKET FOR USE WITH THRU-BOLTS, REPORT NO. LO-F90129-B.
  - WORKING LOAD FOR ANCHOR SYSTEM IS 3,150 LBS. WITH THE MAX. LOAD OF 4,725 LBS.

- SHED FOUNDATION (WOOD):**
- 3/4" APA OR TECO RATED T & G FLOOR DECKING: 24" MAX PANEL SPAN. STAGGER PANEL LAYOUT.
  - FASTEN FLOOR DECKING TO JOISTS W/ #8 X 1 5/8" ZINC PLATED SCREWS @ 8" O.C. (BLOCKING REQUIRED) ALL EDGE SHALL LIE ON FLOOR JOISTS.
  - FASTEN SOLE PLATE THROUGH FLOOR DECKING INTO JOISTS WITH (2) #12-14 x 3" DECK SCREWS @ 12" O.C. CONTINUOUSLY SUPPORTED FOR 50 PSF ON BLOCKING.
  - USE OPTIONAL CONCRETE BLOCKS AS REQUIRED TO LEVEL STRUCTURE. (SUGGESTED SIZES: 2'x 8'x 16" OR 8'x 8'x 16" BLOCKS UNDER JOISTS, SPACED 7'-0" O.C. MAX)

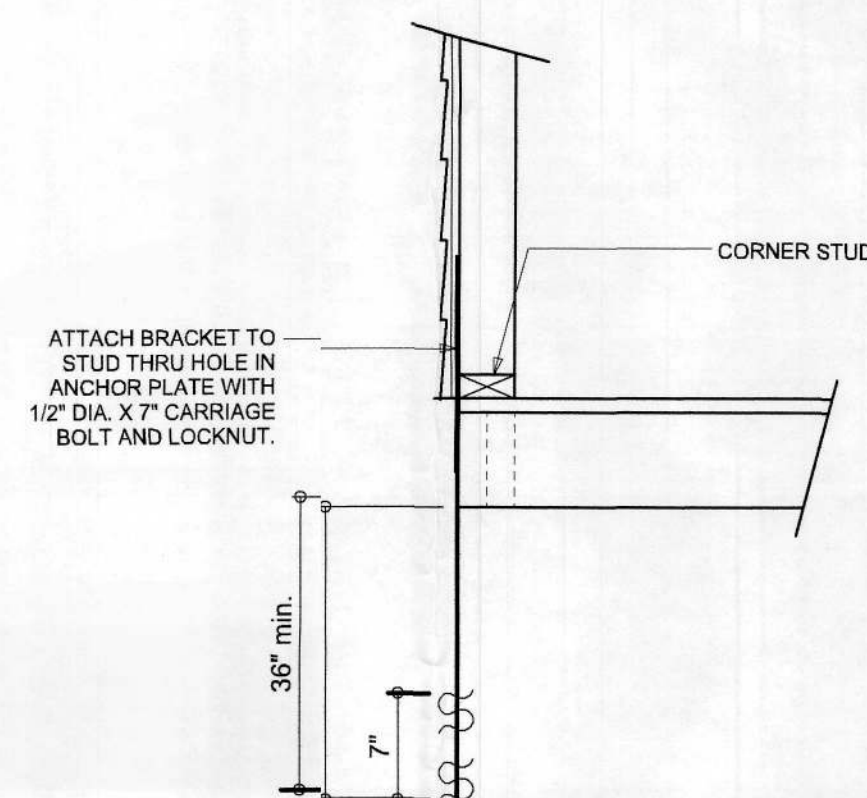


WOOD FLOOR DETAIL

SCALE: 1" = 1'-0"

| ELECTRICAL LEGEND |   |
|-------------------|---|
|                   | CEILING FAN (PRE-WIRE FOR LIGHT KIT)              |
|                   | DOUBLE SECURITY LIGHT                             |
|                   | RECESSED CAN LIGHT                                |
|                   | BATH EXHAUST FAN                                  |
|                   | LIGHT FIXTURE                                     |
|                   | DUPLEX OUTLET (AFCI & TAMPER RESISTANT)           |
|                   | 220v OUTLET                                       |
|                   | GFI DUPLEX OUTLET (PER NEC 406.8)                 |
|                   | TELEVISION JACK                                   |
|                   | CIRCUIT FOR MINI-SPLIT A/C UNIT                   |
|                   | SMOKE / CARBON MONOXIDE DETECTOR (see note below) |
|                   | WALL SWITCH                                       |
|                   | 3 WAY WALL SWITCH                                 |
|                   | WATER PROOF GFI OUTLET                            |
|                   | 2 OR 4 TUB FLUORESCENT FIXTURE                    |

**NOTE:**  
ALL INTERIOR RECEPTACLES SHALL BE AFCI  
(ARC FAULT CIRCUIT INTERRUPT) PER NEC 210.12 & TAMPER RESISTANT PER NEC 406.11  
ALL INTERIOR & EXTERIOR LIGHTING SHALL MEET OR EXCEED THE MIN. 75% HIGH-EFFICIENCY LIGHTING PER FBC-ENERGY CONSERVATION R404.  
ALL SMOKE DETECTORS BE A COMBO SMOKE & CARBON MONOXIDE DETECTOR  
AND SHALL HAVE BATTERY BACKUP POWER  
AND ALL WIRED TOGETHER SO IF ANY ONE UNIT IS ACTUATED THEY ALL ACTIVATE.  
THE ELECTRICAL SERVICE OVERCURRENT PROTECTION DEVICE SHALL BE INSTALLED ON THE EXTERIOR OF STRUCTURES TO SERVE AS A DISCONNECT MEANS.  
CONDUCTORS USED FROM THE EXTERIOR DISCONNECTING MEANS TO A PANEL OR SUB  
PANEL SHALL HAVE FOUR-WIRE CONDUCTORS, OF WHICH ONE CONDUCTOR SHALL BE USED AS AN EQUIPMENT GROUND.  
IT IS THE LICENSED ELECTRICAL CONTRACTORS RESPONSIBILITY TO INSURE THAT ALL WORK PERFORMED AND EQUIPMENT INSTALLED MEETS OR EXCEEDS THE 2017 (NFPA-70) NATIONAL ELECTRIC CODE AND ALL OTHER LOCAL CODES AND ORDINANCES.

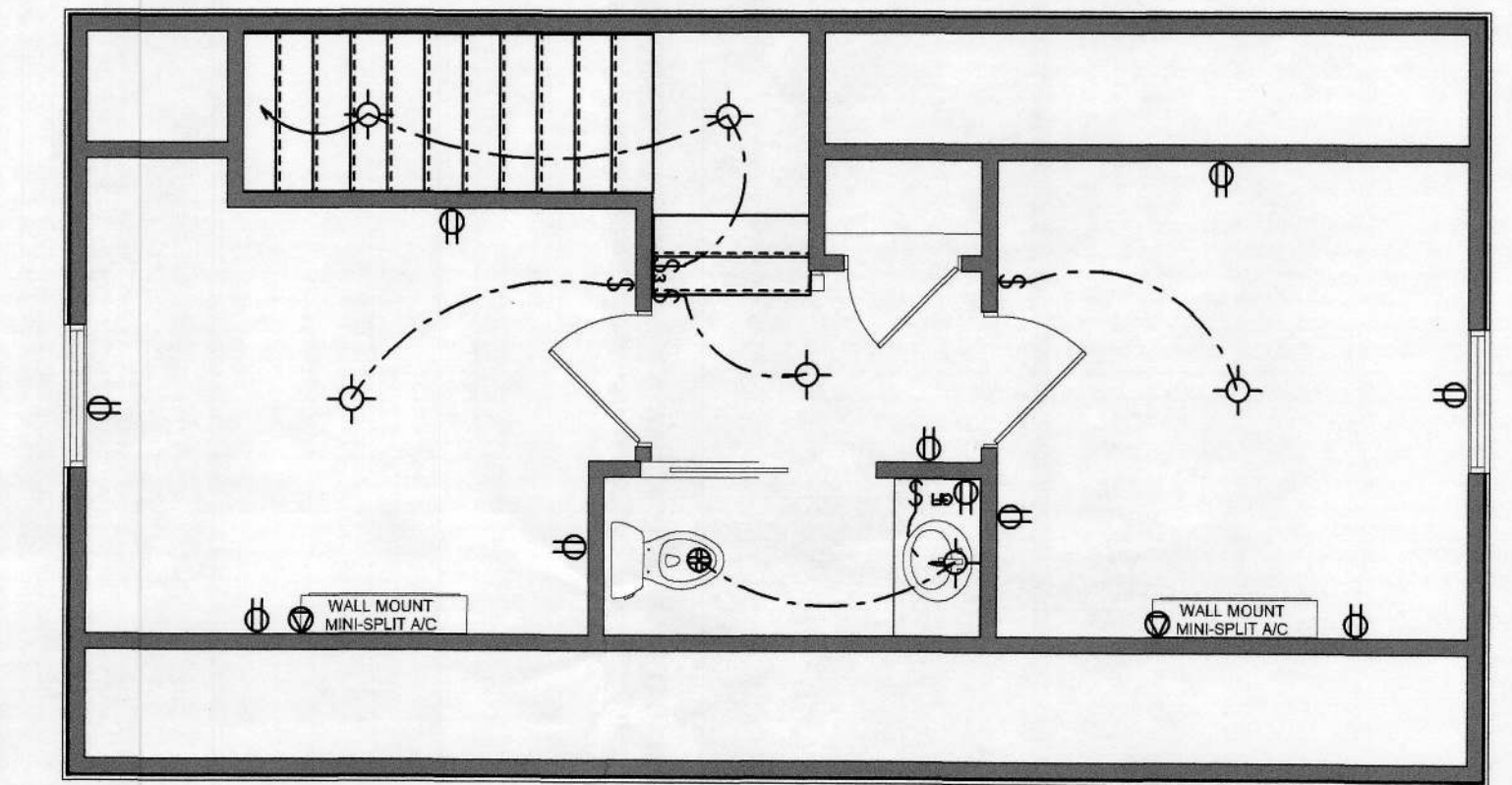


AUGER ANCHOR DETAIL

SCALE: 1" = 1'-0"

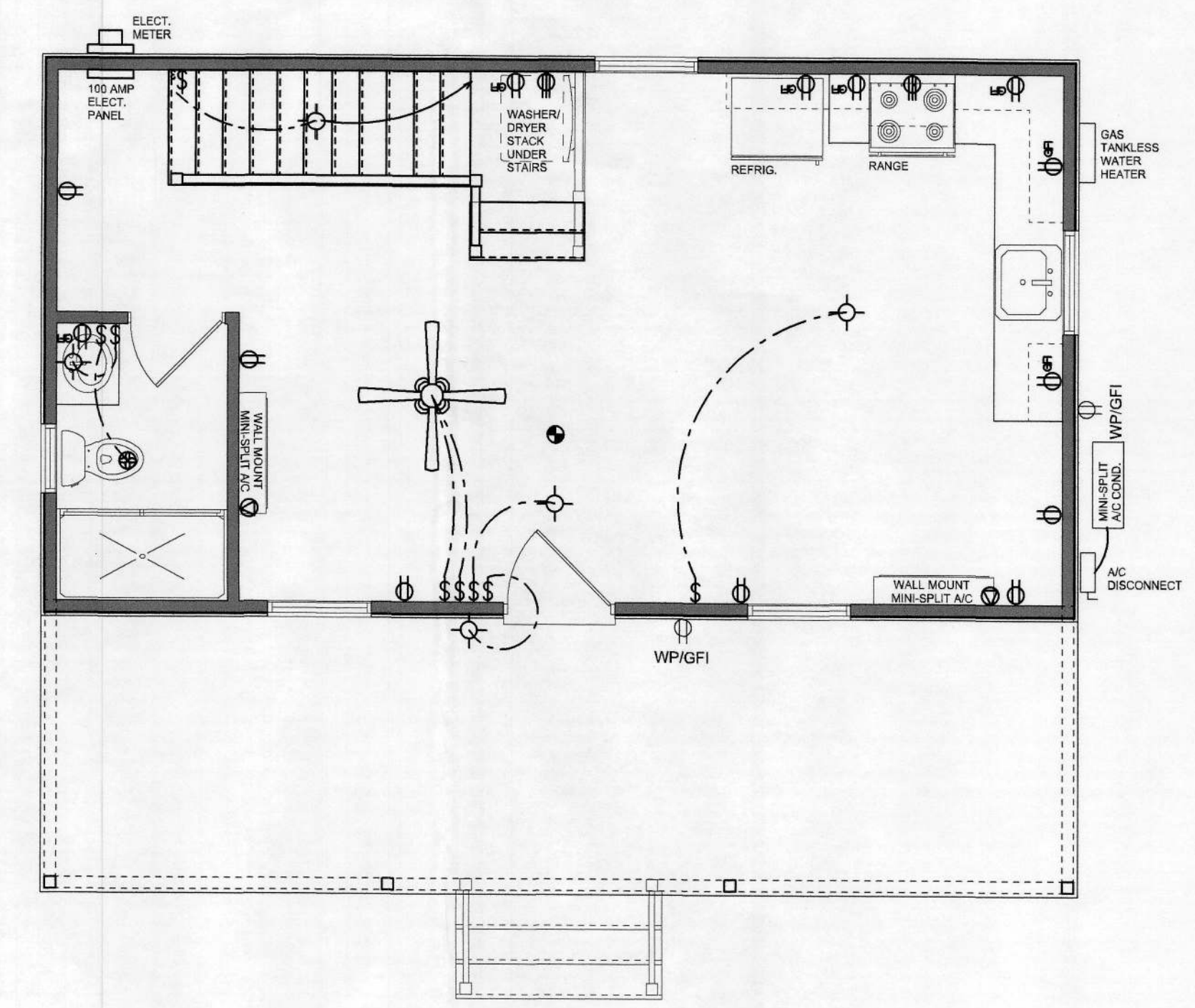
| AUGER ANCHORS |         |              |
|---------------|---------|--------------|
| WIDTH         | LENGTH  | # OF ANCHORS |
| 14'           | 14'-20' | 4 ANCHORS    |
| 14'           | 22'-24' | 6 ANCHORS    |
| 16'           | 16'-18' | 4 ANCHORS    |
| 16'           | 20'-24' | 6 ANCHORS    |

PROVIDE (1) ANCHOR AT EACH CORNER OF BUILDING AND REMAINING ANCHORS SPACED EQUALLY ALONG SIDEWALLS.



2ND FLOOR ELECTRICAL

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



ELECTRICAL PLAN

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

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

REVISIONS  
January 11, 2022

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Will C. Fry

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PROJECT ADDRESS: 533 SW Homestead Circle  
Fort White, Florida 32038

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will@willmyers.net

**WMD**

JOB NUMBER  
20220101  
DATE:

SHEET NUMBER  
**A.2**



## PROJECT COORDINATION REQUIREMENTS

### NOTICE

THESE PLANS ARE DRAWN FOR AVERAGE SITE CONDITIONS AND COMPLIANCE WITH APPLICABLE CODE IN COLUMBIA COUNTY, FL. AT THE TIME THEY ARE DRAWN. DUE TO VARYING STATE, LOCAL, AND NATIONAL CODES, RULES AND REGULATIONS, N.P. GEISLER, ARCHITECT CANNOT WARRANT COMPLIANCE WITH ALL APPLICABLE STATE, LOCAL, AND NATIONAL CODES IN YOUR AREA OR WITH YOUR PARTICULAR SITE CONDITIONS. IT IS THE RESPONSIBILITY OF THE PURCHASER AND/OR BUILDER TO SEE THAT THE STRUCTURE IS BUILT IN STRICT COMPLIANCE WITH ALL GOVERNING MUNICIPAL CODES (CITY, COUNTY, STATE, AND FEDERAL). IF YOUR CITY OR STATE REQUIRES AN ENGINEER'S SEAL FOR THE SITE/CIVIL PORTIONS OF THE WORK, YOU WILL NEED TO HAVE THAT DONE LOCALLY BY A QUALIFIED, LICENSED PROFESSIONAL ENGINEER.

### ROOF PLAN NOTES

- R-1 SEE EXTERIOR ELEVATIONS FOR ROOF PITCH  
R-2 ALL OVERHANGS 18" 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 2020 FBC (7TH EDITION) AND LOCAL JURISDICTION REQUIREMENTS

### NOTE

ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

### GENERAL TRUSS NOTES:

- 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.

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

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS. SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO TYPICAL NAILING. ANCHOR DEVICES SHALL BE REQUIRED FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 LBS OR GREATER.

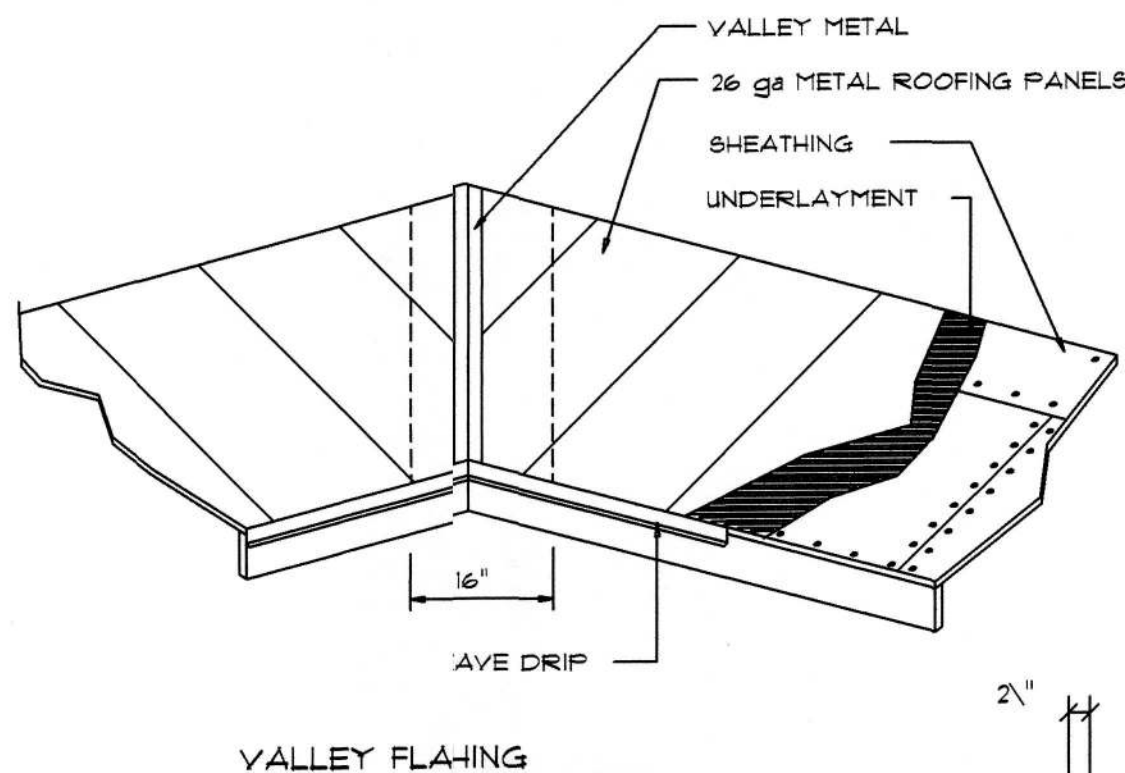
TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS. THE UPLIFT ANCHOR SYSTEM SHALL BE CONTINUOUS TO THE FOUNDATION.

### ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS

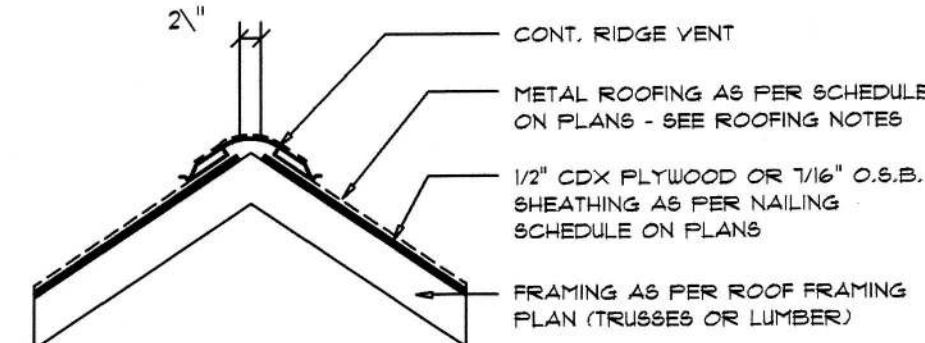
| MATERIAL                      | MINIMUM THICKNESS (in) | GAGE                 | WEIGHT (OZ.) |
|-------------------------------|------------------------|----------------------|--------------|
| COPPER                        |                        |                      | 16           |
| ALUMINUM                      | 0.024                  |                      |              |
| STAINLESS STEEL               |                        | 26                   |              |
| GALVANIZED STEEL              | 0.0175                 | 26 (ZINC COATED G90) |              |
| ZINC ALLOY LEAD PAINTED TERNE | 0.021                  |                      | 40 20        |

### Roofing/Flashing DETS.

SCALE: NONE



VALLEY FLASHING



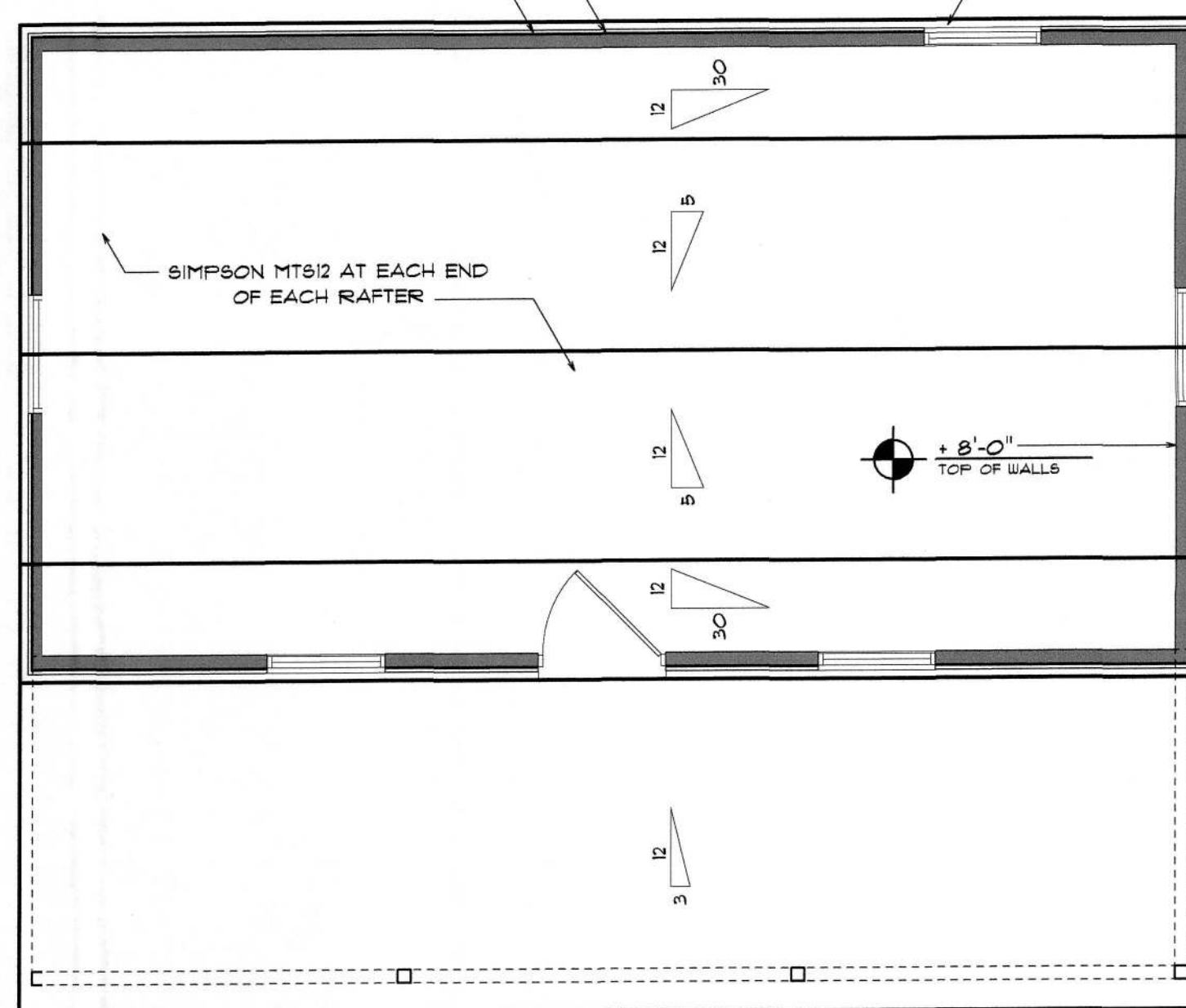
### Ridge Vent DETAIL

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

CONSTRUCT EXTERIOR WALLS W/ (2) TOP PLATES & 1 SILL PLATE X 4 STUDS @ 16" O.C. SHEATH WALL W/ 1/8" OSB, APPLIED W/ 8d COMMON NAILS @ 4" O.C. ALONG EDGES & 8" O. ALONG INTERMEDIATE SUPPORTS

FASTEN TOP PLATE WITH 16d NAILS AT 12" O., TYPICAL T.O.

DBL. 2X10 HEADER PER 5.2.2 MINIMUM TYPICAL HEADER

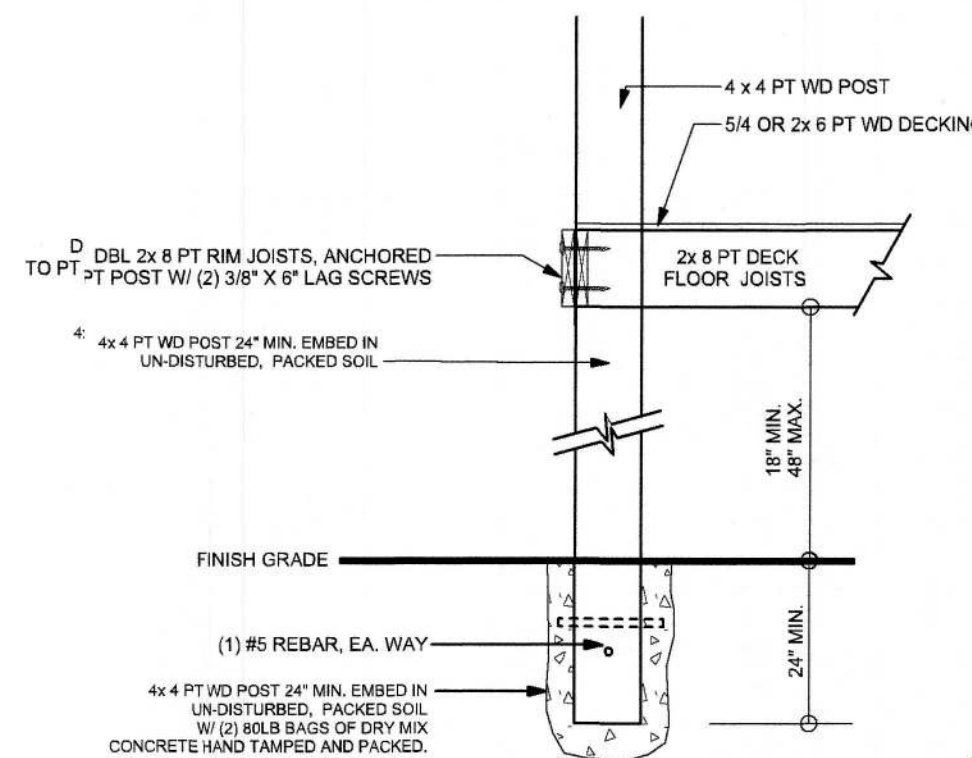


ROOF PLAN

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

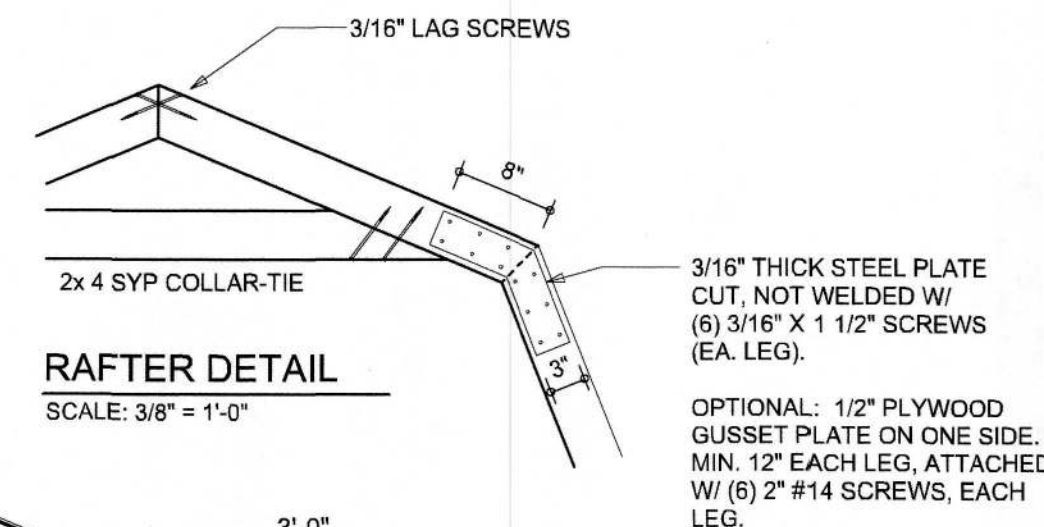
## WOOD STRUCTURAL NOTES

- 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 N.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.



PORCH POST DETAIL

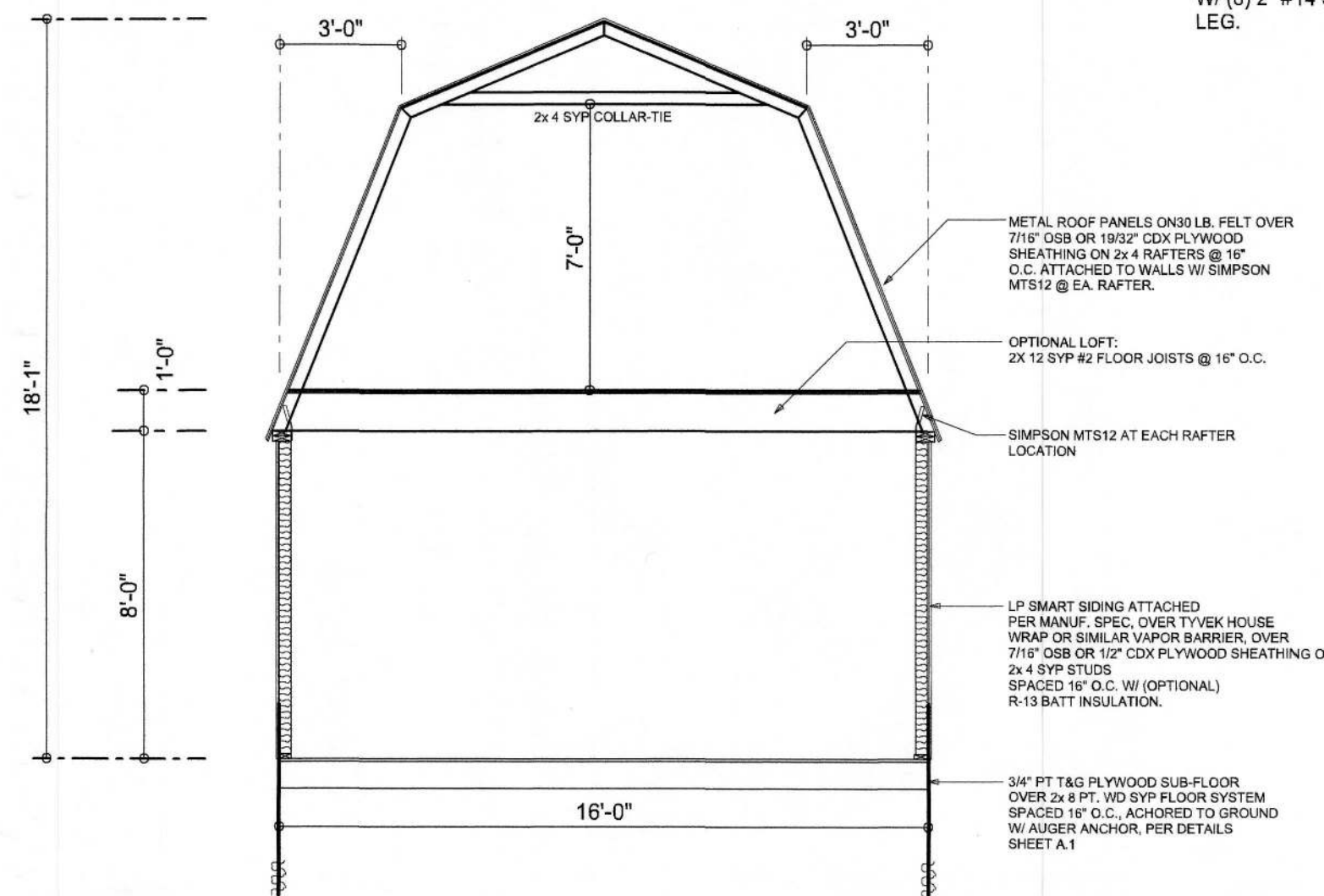
SCALE: 1/2" = 1'-0"



RAFTER DETAIL

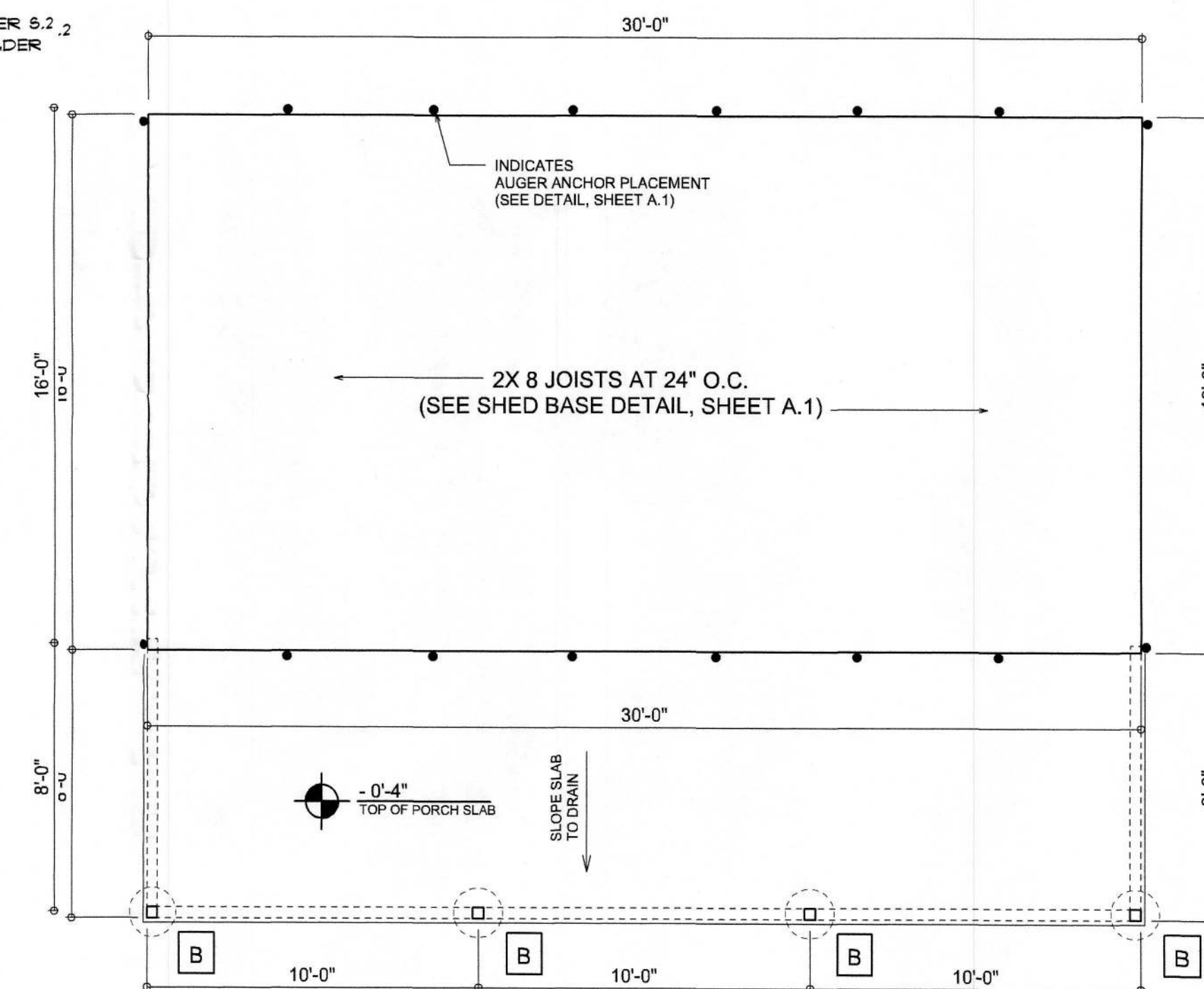
SCALE: 3/8" = 1'-0"

NOTE!  
PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERIOR BEARING LOCATION CONDITIONS PER THE TRUSS ENGINEERED SHOP DRAWINGS WITH THE FOUNDATION PLAN. ANY INTERIOR BEARING LOCATIONS OR ANY POINT LOADS OF 4.0 K OR GREATER SHALL BE SUPPORTED VIA A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR THE PURPOSE OF RENDERING SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.



BUILDING SECTION

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



FOUNDATION PLAN

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

## CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1000 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.
- 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.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F'm = 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.
- 2X4 P/T WOOD SILL, CONT. ALL AROUND, W/ 5/8" A.B. W/ 3" SQ. X 1/4" PLATE WASHERS WITHIN 6" FROM EACH CORNER, EA. WAY, & WITHIN 6" 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.

NOTE:  
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER 2020 FBC (7TH EDITION) 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.

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.

| REVISIONS        | DATE |
|------------------|------|
| January 11, 2022 |      |

SOFTPLAN  
ARCHITECTURAL DESIGN SOFTWARE

Wayne Green

A BARN DESIGN FOR:  
**Wayne Green**  
PROJECT ADDRESS: 533 SW Homestead Circle  
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AR0007005

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**W**

JOB NUMBER

20220101

DATE:

SHEET NUMBER

S.1

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



| ROOF SHEATHING FASTENINGS |                                   |                |  |
|---------------------------|-----------------------------------|----------------|--|
| NAILING ZONE              | SHEATHING TYPE                    | FASTENER       | SPACING  |
| 1                         | 7/16" O.S.B. OR 15/32 CDX PLYWOOD | 10d RING SHANK | 6 in. o.c. EDGE<br>6 in. o.c. FIELD  |
| 2                         |                                   |                | 4 in. o.c. EDGE<br>6 in. o.c. FIELD  |
| 3                         |                                   |                | 4 in. o.c. @ GABLE ENDWALL OR GABLE TRUSS<br>6 in. o.c. EDGE<br>6 in. o.c. FIELD |

| HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING |              |              |              |
|--|--------------|--------------|--------------|
| BLDG HEIGHT (ft)   | EXPOSURE "B" | EXPOSURE "C" | EXPOSURE "D" |
| 5  | .82          | 1.21         | 1.41         |
| 20   | .89          | 1.29         | 1.55         |
| 25   | .94          | 1.35         | 1.61         |
| 30   | 1.00         | 1.40         | 1.66         |

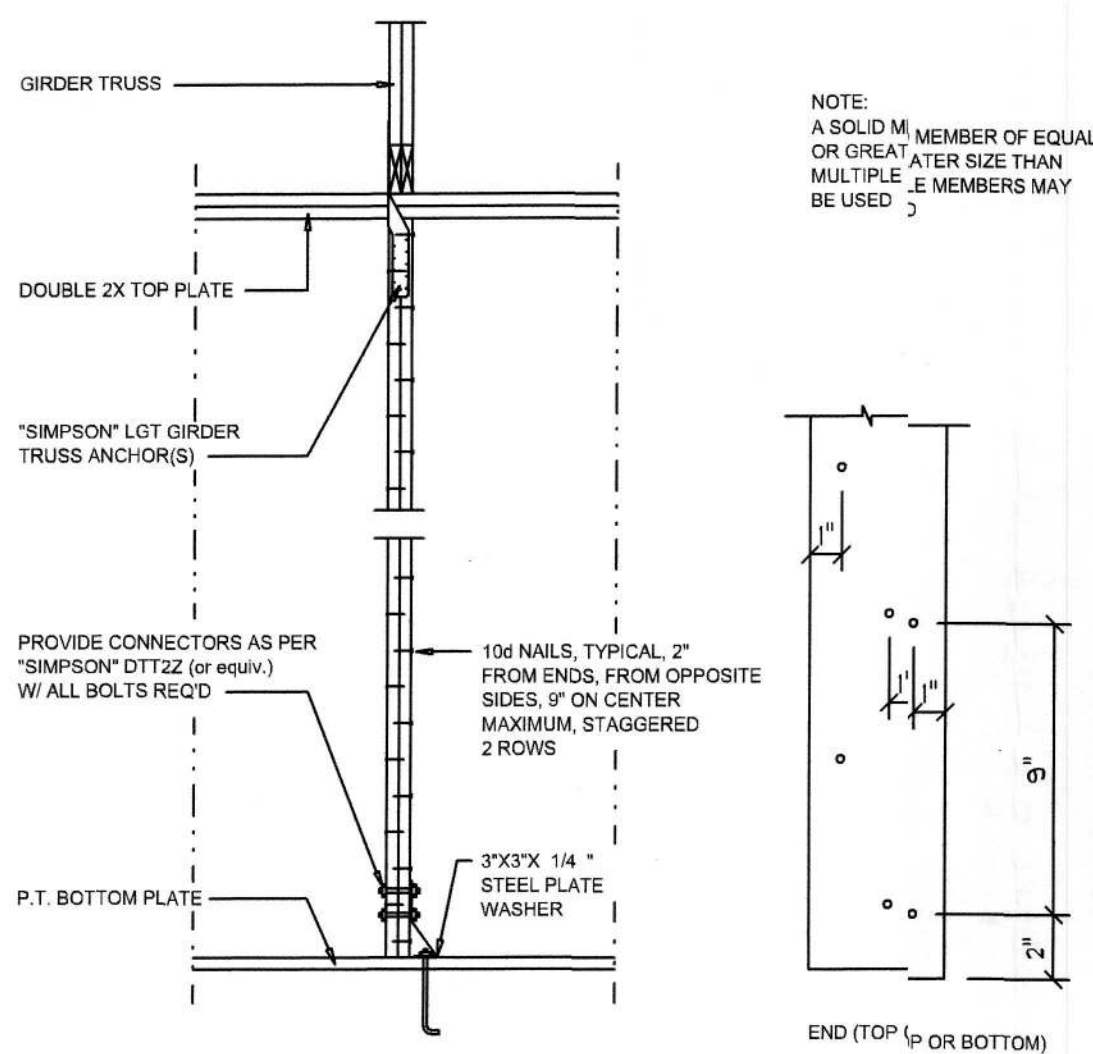
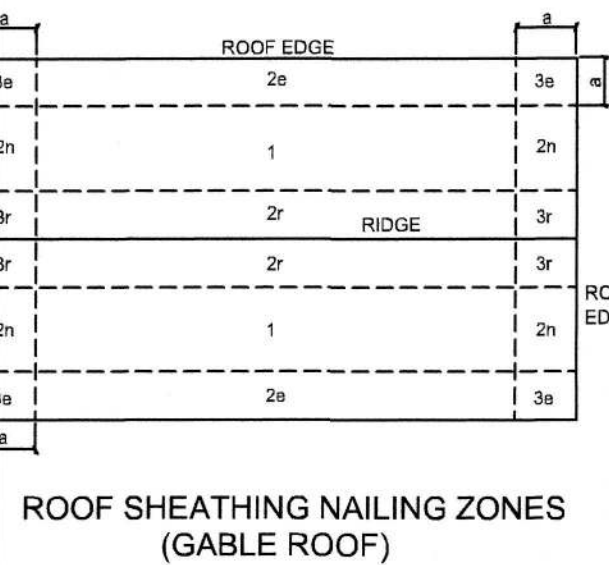
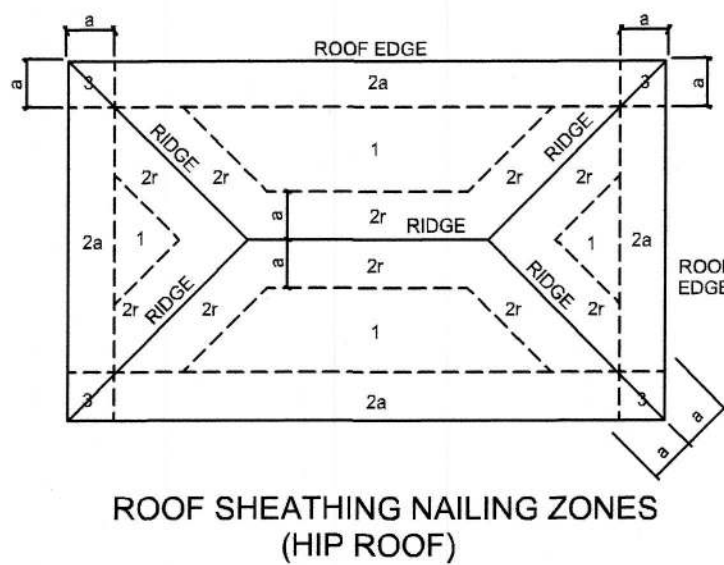
#### "WindSTORM" ALT. SHEATHING METHOD:

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SP18P2 OR SP4 STRAPS INDICATED IN THE CONSTRUCTION DOCUMENTS FOR THIS PROJECT SHALL ALLOWED AS FOLLOWS:

1. APPLY VERTICALLY "WindSTORM" 7/16" OSB 48" X 97", 121" OR 145" SHEATHING FASTENED TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMONS @ 3" O.C. OR 8d COMMONS @ 4" O.C. FASTEN TO EACH STUD WITH EITHER 6d COMMONS @ 8" O.C. OR 8d COMMONS @ 8" O.C.

#### Alternate 'Titan' bolt concrete anchor system

ANCHOR SILL PLATE WITH 5/8" TITAN ANCHOR BOLT, PLACED AT 40" O.C. AROUND PERIMETER OF SLAB AND ALL INTERIOR BEARING WALLS (MIN. 4" EMBED)



#### FRAMING ANCHOR SCHEDULE

| APPLICATION                  | MANUF/R MODEL                                   | CAP.      |
|------------------------------|---|-----------|
| TRUSS TO WALL:               | SIMPSON H2.5A (OR EQUIVALENT), W/ 6 - 10d NAILS | 960#      |
| GIRDER TRUSS TO POST/HEADER: | SIMPSON LGT, W/ 28 - 16d NAILS                  | 1785#     |
| HEADER TO KING STUD(S):      | SIMPSON ST22                                    | 1370#     |
| PLATE TO STUD:               | SIMPSON SP2                                     | 1065#     |
| STUD TO SILL:                | SIMPSON SP1                                     | 585#      |
| PORCH BEAM TO POST:          | SIMPSON PC44/EPC44                              | 1700#     |
| PORCH POST TO FND.:          | SIMPSON ABU44                                   | 2200#     |
| MISC. JOINTS                 | SIMPSON A34                                     | 315#/240# |

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

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

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

NOTE: "SEMCO" PRODUCT APPROVAL: MIAMI/DADE COUNTY REPORT #95-0818.15

NOTE: "SIMPSON" PRODUCT APPROVALS: MIAMI/DADE COUNTY REPORT #97-0107.05, #96-1126.11, #99-0623.04 SBCC1 NER-443, NER-393

#### FIREBLOCKING NOTES:

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

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYRO PANEL MULTIFLEX SEALANT"
4. 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.

## Roof Nail Pattern DET.

SCALE: NONE

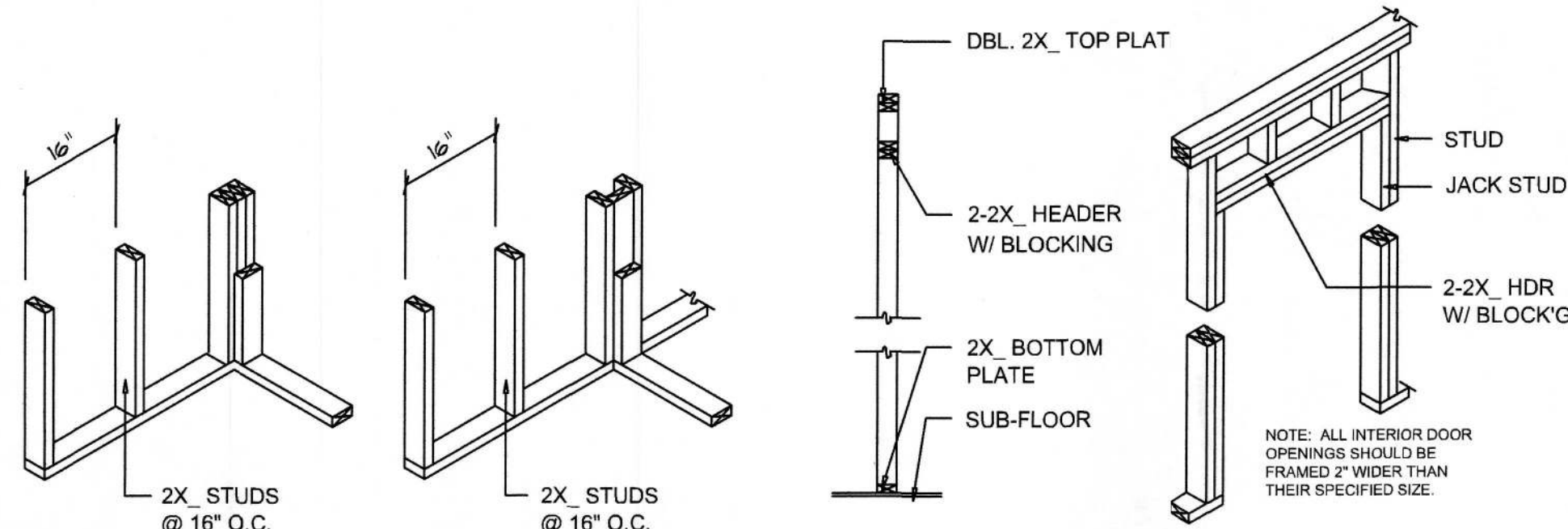
B

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

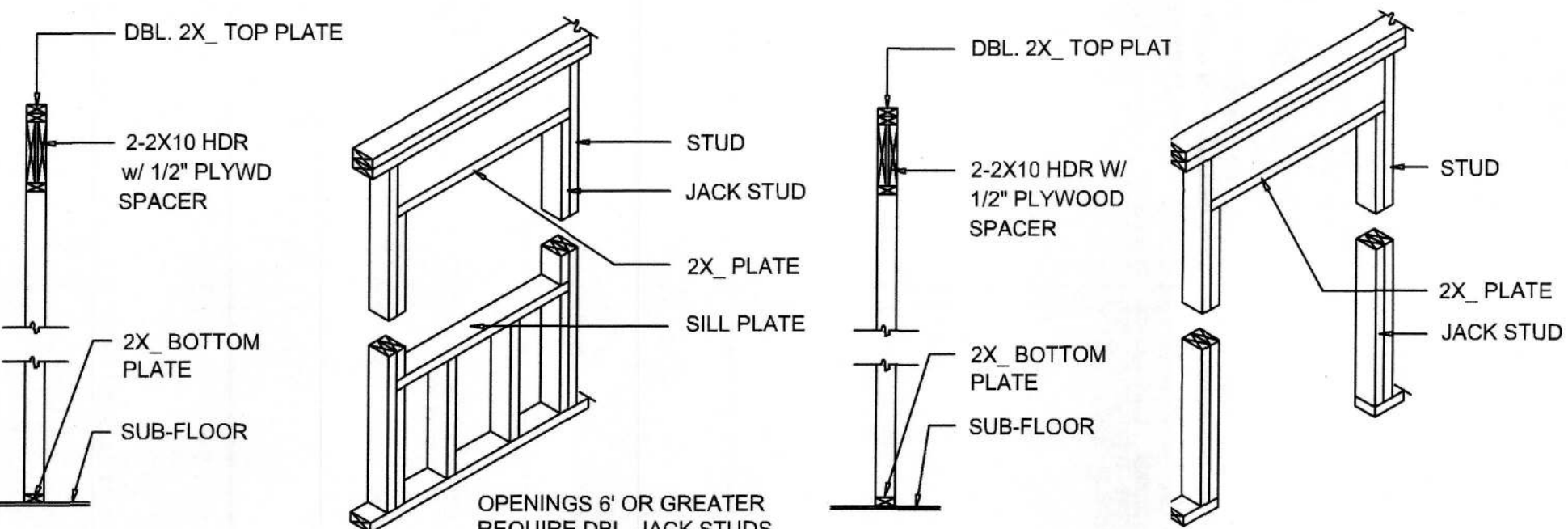
#### SHEARWALL NOTES:

1. ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBCI 326.4.3.
2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/16" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.
3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
4. NAIL SPACING SHALL BE 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
5. TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 58 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 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                      |
| > 6' TO 9'-0"  | (3) 2x4 OR (1) 2x6 | 2                      |
| > 9' TO 12'-0" | (5) 2x4 OR (2) 2x6 | 3                      |



WALL CORNER WALL INTERSECTION NON-BEARING WAL HEADER



TYPICAL WINDOW HEADER

BEARING WALL HEDER

## Wall Framing/Header DETAILS

SCALE: NONE

F

## Shear Wall DETAILS

SCALE: NONE

E

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

#### FLORIDA BUILDING CODE

#### Compliance Summary

#### TYPE OF CONSTRUCTION

Roof: Gable OR Hip Construction, 2x 4 SYP wood rafters @ 24" O.C.  
Walls: 2x 4 Wood Studs @ 16" O.C.  
Floor: 3/4" PT T&G PLYWOOD OVER 2X 8 PT SYP #2 WOOD FLOOR SYSTEM  
Foundation: Embedded posts at porch. Auger anchors around perimeter of structure

#### ROOF DECKING

Material: 19/32" CDX Plywood or 7/16" O.S.B.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: 10d ring-shank nails per schedule, this page

#### SHEARWALLS

Material: 1/2" CD Plywood or 7/16" O.S.B.  
Sheet Size: 48"x96" Sheets Placed Vertical, stagger each sheet.  
Fasteners: 8d Common Nails @ 4" O.C. Edges & 6" O.C. Interior  
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.  
Wall Studs: 2x4 Wood Studs @ 16" O.C.

#### HURRICANE UPLIFT CONNECTORS

Truss Anchors: SIMPSON MTS12 AT EACH END OF EACH RAFTER  
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.  
Anchor Bolts: N/A  
Corner Hold-down Device: N/A  
Porch Column Base Connector:  
Porch Column to Beam Connector:

#### FOOTINGS AND FOUNDATIONS

Footing: Embedded posts at porch. Auger anchors around perimeter of structure  
Stemwall: (OPTIONAL) 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

#### STRUCTURAL DESIGN CRITERIA:

1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE (17H EDITION) AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
2. WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "C"  
BASED ON ANSI/ASCE 7-10, 2020 FBC 1603-A WIND VELOCITY:  $V_{50} = 130$  MPH  
 $V_{50} = 101$  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: 40 PSF  
RESIDENTIAL BALCONIES: 60 PSF
5. WIND NET UPLIFT: ARE AS INDICATED ON PLANS

#### General Roofing NOTES:

DECK REQUIREMENTS:  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:  
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:  
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:  
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES:  
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:  
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHINK 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:  
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.  
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

UNDERLAYMENT APPLICATION:  
FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.  
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFG'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 77 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:  
1. 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.  
2. FOR 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. FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:  
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.  
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1970.

NOTE !!!  
ROOFSHINGLES SHALL BE AS MANUFACTURED BY "TAMKO (or equiv.) ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

GLASS-SEAL AR  
ELITE GLASS-SEAL AR  
HERITAGE 30 AR  
HERITAGE 40 AR  
HERITAGE 50 AR

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE 1 MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

| BUILDING COMPONENTS & CLADDING LOADS<br>MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"<br>ROOF ANGLE 21° TO 45° |                  |      |       |      |       |      |       |      |       |
|---|------------------|------|-------|------|-------|------|-------|------|-------|
| WIND DIR  | WIND SPEED (MPH) | Pos  | Neg   | Pos  | Neg   | Pos  | Neg   | Pos  | Neg   |
| 1   | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 1   | 20               | 10   | -20   | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 1   | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 1   | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 20  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 20  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 20  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 20  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 30  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 30  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 30  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 30  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 40  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 40  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 40  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 40  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 50  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 50  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 50  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 50  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 60  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 60  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 60  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 60  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 70  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 70  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 70  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 70  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 80  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 80  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 80  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 80  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |
| 90  | 10               | 10.2 | -20.3 | 11.1 | -21.1 | 13   | -23   | 15.1 | -25.1 |
| 90  | 20               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 90  | 30               | 10   | -19.9 | 10   | -19.9 | 11.3 | -23   | 13.1 | -23.7 |
| 90  | 100              | 10   | -12.7 | 10   | -12.8 | 10   | -12.8 | 10   | -12.8 |

REVISIONS  
January 11, 2022

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