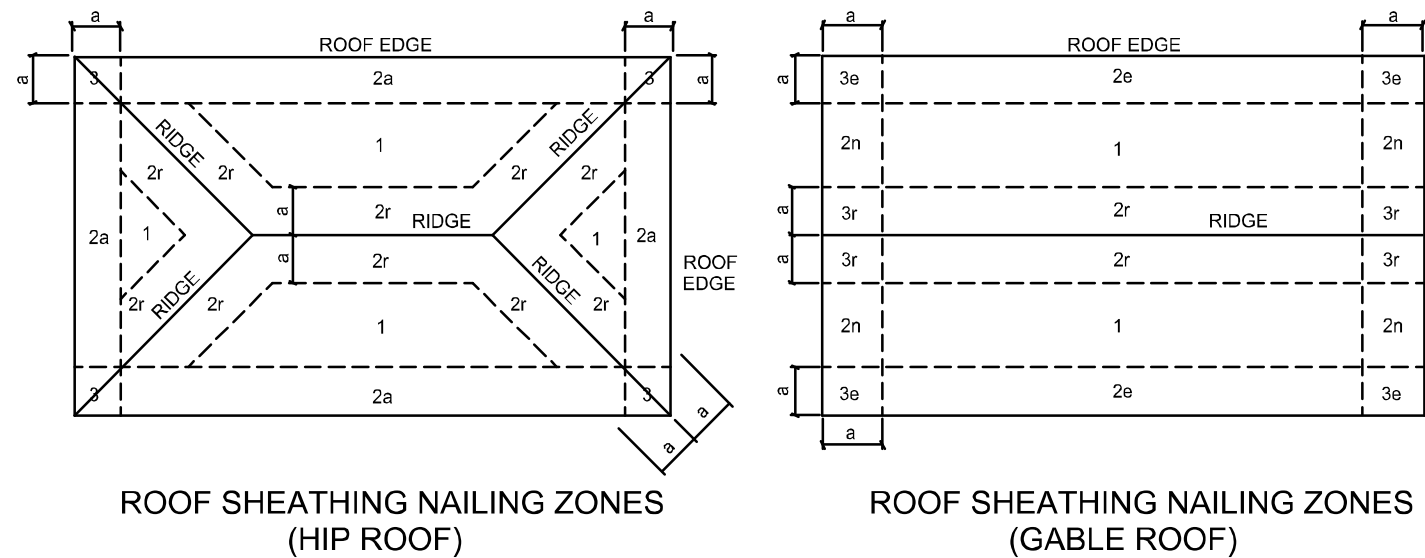


| ROOF SHEATHING FASTENINGS |                                         |                      |                                                                                     |
|---------------------------|-----------------------------------------|----------------------|-------------------------------------------------------------------------------------|
| NAILING ZONE              | SHEATHING TYPE                          | FASTENER             | SPACING                                                                             |
| 1                         | 7/16" O.S.B.<br>OR 19/32 CDX<br>PLYWOOD | 10d<br>RING<br>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<br>OR GABLE TRUSS<br>6 in. o.c. EDGE<br>6 in. o.c. FIELD |

| HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS<br>FOR BUILDING COMPONENTS & CLADDING |                 |                 |                 |
|---------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
| BLDG<br>HEIGHT (Ft.)                                                            | EXPOSURE<br>"B" | EXPOSURE<br>"C" | EXPOSURE<br>"D" |
| 15                                                                              | .82             | 1.21            | 1.41            |
| 20                                                                              | .89             | 1.28            | 1.55            |
| 25                                                                              | .94             | 1.35            | 1.61            |
| 30                                                                              | 1.00            | 1.40            | 1.66            |



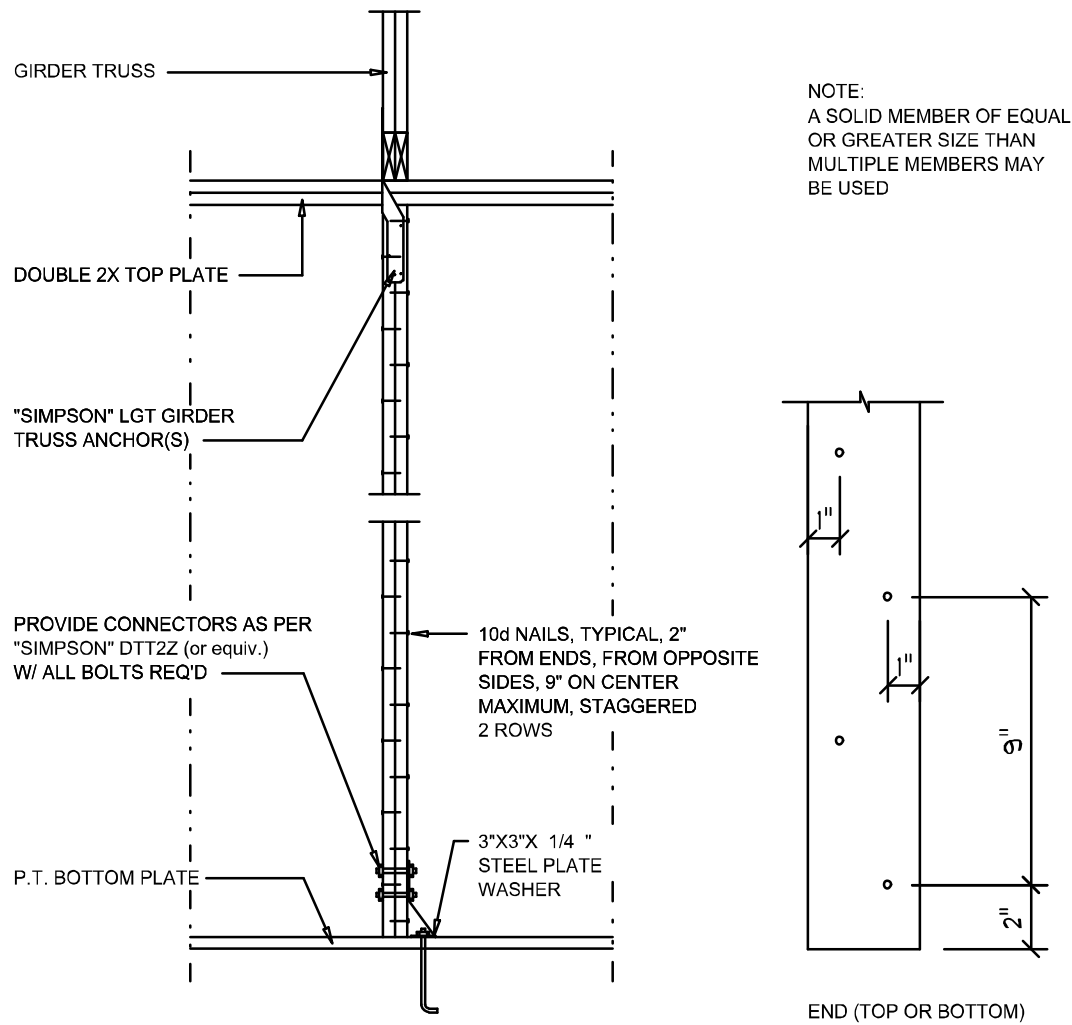
**"WindSTORM" ALT. SHEATHING METHOD:**

ALTERNATIVE METHOD FOR ANCHORING THE TOP WALL PLATE TO THE FOUNDATION IN LIEU OF THE SPI/SP2 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", 109" 121" OR 145" SHEATHING. FASTEN 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 @ 9" 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                                     | 1085#     |
| 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 "PYROPANEL 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

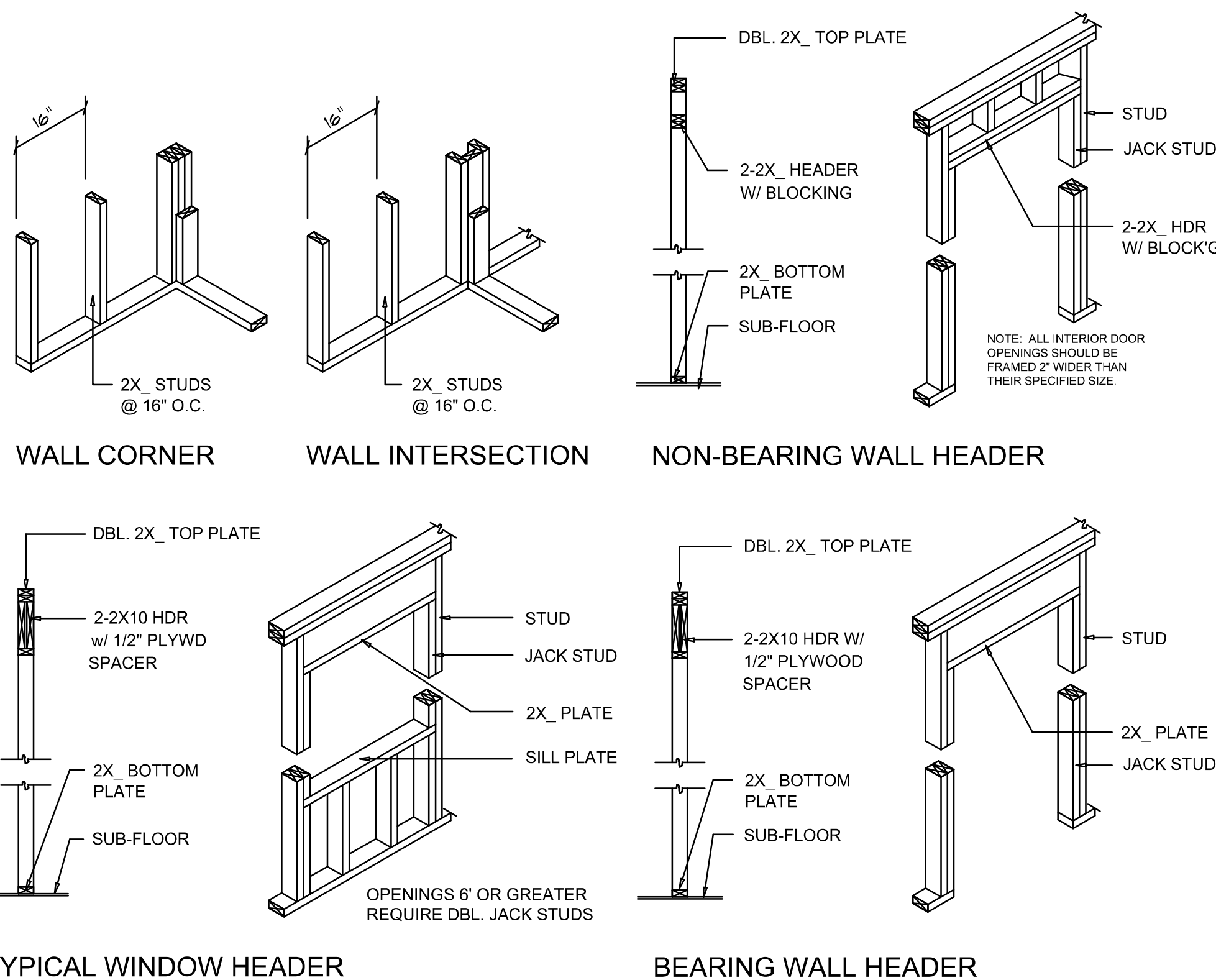
B

| 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 10-07/SB60 308.4.3.
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 56 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 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

## 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 SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

ATTACHMENT: ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC PA 107-95.

UNDERLAYMENT APPLICATION: FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
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/ 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 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 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.  
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 130 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

| WIND SPEED (Ft.) |    | 1-4 ft 4" |      | Vult 115 MPH |      | Vult 120 MPH |      | Vult 130 MPH |      | Vult 140 MPH |  |
|------------------|----|-----------|------|--------------|------|--------------|------|--------------|------|--------------|--|
|                  |    |           |      |              |      |              |      |              |      |              |  |
| ROOF 21" TO 45"  | 1  | 10        | 10.2 | -20.3        | 11.1 | -20.1        | 13   | -26          | 15.1 | -26.1        |  |
|                  | 2  | 10        | 20   | -18          | 10   | -19.6        | 11.3 | -23          | 15.1 | -26.7        |  |
|                  | 3  | 10        | 30   | -15          | 10   | -19.2        | 10.5 | -20.2        | 15.2 | -22.2        |  |
|                  | 4  | 10        | 100  | -12.7        | 10   | -19.8        | 10   | -16.2        | 10   | -18.8        |  |
|                  | 5  | 10        | 10   | -12.2        | 11.1 | -26.5        | 13   | -20.9        | 15.1 | -26.9        |  |
|                  | 6  | 10        | 10   | -10.1        | 10   | -20.5        | 11.3 | -24.4        | 15.1 | -28.5        |  |
|                  | 7  | 10        | 10   | -11.9        | 10   | -22.9        | 10   | -25.1        | 15.2 | -17.6        |  |
|                  | 8  | 100       | 10   | -11.9        | 10   | -22.9        | 10   | -25.1        | 15.2 | -17.6        |  |
|                  | 9  | 10        | 10.2 | -20.7        | 11.1 | -20.5        | 13   | -21.7        | 15.1 | -24.4        |  |
|                  | 10 | 10        | 10   | -25.7        | 10   | -26          | 11.3 | -23.6        | 15.1 | -26.1        |  |
| WALL             | 1  | 10        | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 2  | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 3  | 10        | 10.2 | -20.7        | 11.1 | -20.5        | 13   | -21.7        | 15.1 | -24.4        |  |
|                  | 4  | 10        | 10   | -24.6        | 10   | -26.7        | 11.3 | -21.4        | 15.1 | -26.4        |  |
|                  | 5  | 10        | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 6  | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 7  | 10        | 10.2 | -20.7        | 11.1 | -20.5        | 13   | -21.7        | 15.1 | -24.4        |  |
|                  | 8  | 10        | 10   | -24.6        | 10   | -26.7        | 11.3 | -21.4        | 15.1 | -26.4        |  |
|                  | 9  | 10        | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 10 | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
| WALL             | 1  | 10        | 10.2 | -20.7        | 11.1 | -20.5        | 13   | -21.7        | 15.1 | -24.4        |  |
|                  | 2  | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 3  | 10        | 10.2 | -20.7        | 11.1 | -20.5        | 13   | -21.7        | 15.1 | -24.4        |  |
|                  | 4  | 10        | 10   | -24.6        | 10   | -26.7        | 11.3 | -21.4        | 15.1 | -26.4        |  |
|                  | 5  | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 6  | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 7  | 10        | 10.2 | -20.7        | 11.1 | -20.5        | 13   | -21.7        | 15.1 | -24.4        |  |
|                  | 8  | 10        | 10   | -24.6        | 10   | -26.7        | 11.3 | -21.4        | 15.1 | -26.4        |  |
|                  | 9  | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |
|                  | 10 | 100       | 10   | -14.3        | 10   | -15.5        | 10   | -24.5        | 15.2 | -25.2        |  |

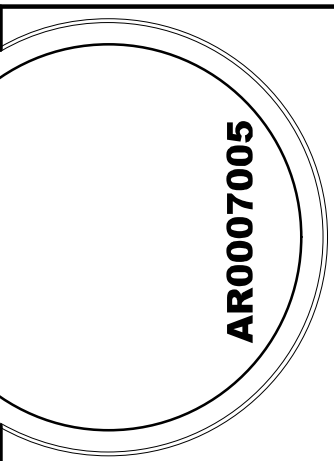
|           |                    |
|-----------|--------------------|
| REVISIONS | July 17, 2025      |
|           | September 05, 2025 |
|           |                    |
|           |                    |



A 16 x 30 STORAGE BUILDING FOR:

**Kurt Schretzmann**

PROJECT ADDRESS: 6588 SW CR 240, Lake City, Florida 32024



**NICHOLAS PAUL GEISLER ARCHITECT**

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