ASSEMBLING, SHEATHING AND STANDING EXTERIOR SIDE WALLS

PREPARATION:

After the Gable Walls are raised, use a Current Wall Panel Guide and numbers on the deck, to place the SIDE wall sections on the deck.

NOTE: If an “adjustment” is needed to ensure correct wall length, make adjustment to the wall section at the REAR of the house ONLY.

Make sure intersecting interior wall ladders, window headers and corner bucks are in the proper orientation.

Panels containing window roughs should be measured from the edge of wall to center of window opening and compared to the Centerline layout on the deck.

MATERIALS:

Wall Plan
OSB
2 x 6’s for doublers
Power chords
Circular saw with good blade
8d and 16d nails

ASSEMBLY:

Move wall sections to the 6” snapped line on the deck. Push the FIRST section firmly against the FRONT gable wall and toe nail, with toenails on the INSIDE of the bottom plate, every 3 feet.

Move the wall sections together and to the 6” snapped line and nail together with a pair of 16D nails spaced 12-16″ apart.
Install 2 x 6 double top plates with 2-16d nails that MUST BE NAILED ON TOP OF THE WALL STUDS.  

**NOTE:** Make sure the doublers overlap the wall section joints by a minimum of 3 studs.  

For final doubler at each end, measure from the end of the last doubler to the OSB on the wall, then subtract 1".
Cut pieces of 2 x 6 to length. DO NOT ATTACH UNTIL WALL IS RAISED.

If not already done, move walls/unit to chalk line snapped on deck and toe nail, on the **INSIDE** of the wall, through the bottom plate into deck, every 3 feet.

**NOTE: CHECK FOR BLOCKING ON GARAGE SIDE EXTERIOR WALL ONLY:**

If not there, install 2 x 6 at 2, 4, and 6 feet up the wall, in the stud bays that align with the garage foundation walls.
The blocking will be placed **FLUSH WITH TOP EDGE** of the wall studs and nailed with 3-16d nails, each side.

Square wall by measuring diagonally, upper left to lower right corner and upper right to lower left corner. When diagonal dimensions are equal, the wall is square.

Carefully plan your OSB layout. Hold back sheathing 2 studs from the **front and back** corners of the wall.

**Corner sheets will be installed AFTER the walls are standing.**

Always insure that you split the 4’ width of the OSB over adjoining wall sections.

Sheets should be installed **vertically, BUT** may also be installed **horizontally** to work with wall layout.

Layout and mark window/door openings on the OSB. Cut openings, setting the saw blade depth to ½".
NAILING PATTERN:

Every 6” around OSB edges and window/door openings and every 8” in field.

Look at the nails in BOTTOM plate and align with the lines on the OSB to follow studs.

Follow same instructions to assemble and sheath the opposite long wall.

CRITICAL STEP

Make sure sheathing is nailed completely to framing. Use crayon/Sharpie to indicate that each sheet has been checked for complete nailing.

STANDING THE WALLS:

Sweep the deck in the area where the wall will be standing,
Place a “Generous” amount of subfloor adhesive, **EXCEPT IN “NO GLUE” AREAS** at doorways, on the deck, centered in the space where the wall will be standing.

Place 4- short 2 x blocks of wood under the top of the wall to aid in lifting.

Lift the wall into place with a Crew Leader positioning the wall. Then volunteers will nail with 4-16d in **each** stud bay.

Remove the gable wall braces, clamp the corners as needed, and nail the outside corners together.

**THE FRAMING SHOULD BE FLUSH BEFORE NAILING. A LEVEL IS NOT USED FOR THIS STEP.**

Install the END pre-cut 2 x 6 doubler to tie the **side** wall to the **gable** wall.
Use 3 -16’s into top of gable wall and standard nailing pattern into the studs on side wall.

Place several braces to TEMPORARILY brace the 1st wall to the deck.

**NOTE: LOAD INTERIOR WALLS BEFORE STANDING THE 2nd EXTERIOR WALL**

Repeat the same process for the other exterior wall.

**NOTE:** If trusses are NOT set, use 2 x 4-16’ and brace Gable Walls to side walls at the 4 corners. The 2 x 4’s should create a 45 degree angle.

TT 2/09/2015