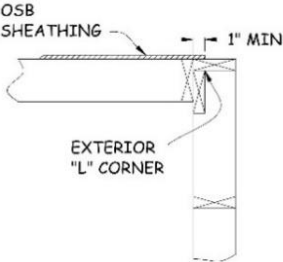


**Chapter 3 – Marking Studs-Exterior Wall Plates**

<p>Lay Out Studs on LONG WALLS</p>	<ol style="list-style-type: none"> <li>1. Lay out long walls first. Before starting, check opposite walls to be sure they are precisely the same lengths (within 1/8"). If not, trim to equalize. NOTE: This is very important with 24" o.c. framing because it ensures the studs are located directly under roof trusses.</li> <li>2. Hook a tape on the <u>zero</u> end of the plates and mark the location of all studs on 24" centers             <ol style="list-style-type: none"> <li>a. Mark both edges of studs at +/- 3/4" from center and place an "X" within edge marks on all four plates where no window or door. (If using the 50-foot <u>steel</u> tape, do not hook the tape but burn 24" and mark after that.)</li> <li>b. If 24" center falls at King stud, leave the "K" designation on that set of plates. If the "K" location is <u>not on center</u> it may have to be moved. See Construction Supervisor or Site Leader.</li> <li>c. If 24" center falls within a <u>window</u>, mark a "SX" ("Short Stud") on bottom plate. (DO NOT mark an "SX" within a door)</li> </ol> </li> <li>3. If length of walls not a multiple of 24", may be necessary to add extra stud at 48"             <ol style="list-style-type: none"> <li>a. If wall long by 3/4" or less, ignore the difference</li> <li>b. If &gt;3/4", measure back from end and center stud at 48"                 <ol style="list-style-type: none"> <li>i. If it overlaps stud on 24" centers, locate extra stud tight to the one on 24" centers</li> <li>ii. Otherwise, center stud at 48" from the end</li> </ol> </li> <li>c. If house plan does not show OSB sheathing at wall end or if door or window prevents installation of a full 48" wide sheet, see Construction Supervisor.</li> </ol> </li> <li>4. At each end of long walls, layout a corner with two 2x6 studs, making an L-corner             <ol style="list-style-type: none"> <li>a. Make one mark at 1 1/2" from end, mark with "X" (like a normal stud)</li> <li>b. Make second mark 5 1/2" from the <u>first mark</u> (the width of a 2x6)</li> <li>c. Mark this "L" as "Corner Down"</li> </ol> </li> </ol>  <p>The diagram shows a cross-section of an exterior L-corner. It features two perpendicular wall plates. The top plate is labeled 'OSB SHEATHING'. A dimension line indicates a '1" MIN' gap between the end of the top plate and the start of the vertical plate. The vertical plate is labeled 'EXTERIOR "L" CORNER'.</p>
<p>Lay Out Studs on BEAM POCKET WALLS</p>	<ol style="list-style-type: none"> <li>5. Extend tape 5 1/2" past <u>zero end</u> and mark studs on 24" centers. Mark "X's" and "SX's" as usual.</li> <li>6. At the <u>non-zero</u> end, again extend tape 5 1/2" past the end and measure back 48". If no stud at that location, proceed as follows:             <ol style="list-style-type: none"> <li>a. If any stud is <u>centered</u> between 48" and 52 1/2" <u>from the outside corner</u>, the edge of OSB can be centered on that stud during wall building.</li> <li>b. If no stud is centered within that range, add a stud at 48" from the end.</li> </ol> </li> </ol>
<p>Finish Marking Plates</p>	<ol style="list-style-type: none"> <li>7. Mark the inside edge of the upper plate with "UPPER" and the inside edge of the bottom plate with BOTTOM. Mark the upper plate with a compass orientation (N,S,E,W) as it lays on the deck.</li> <li>8. Lay plates flat on deck with inside edges facing in with ends at prescribed locations</li> <li>9. Mark <u>inside edge of long wall bottom plates</u> 5 1/2" from end to aid wall building</li> <li>10. Check drawing or deck for intersecting 2x4 or 2x6 walls. At these locations, mark top edges with lines 3 1/2" or 5 1/2" apart and mark a "W" between the lines. Helps during wall building.</li> </ol>

## Quality Points

### Chapter 3 – Marking Studs-Exterior Wall Plates

- All studs marked on 24" on centers from the zero end
- Additional stud marked (usually needed) on non-zero end of long walls
- Additional stud marked (usually NOT needed) on non-zero end of beam pocket walls
- All "SX" studs under window sills are marked
- Both ends of long walls must have "L-corners" marked
- Verify both ends of long wall bottom plates 5 1/2" from end of plates (marks must align with beam pocket wall chalk lines)