

FRAMING

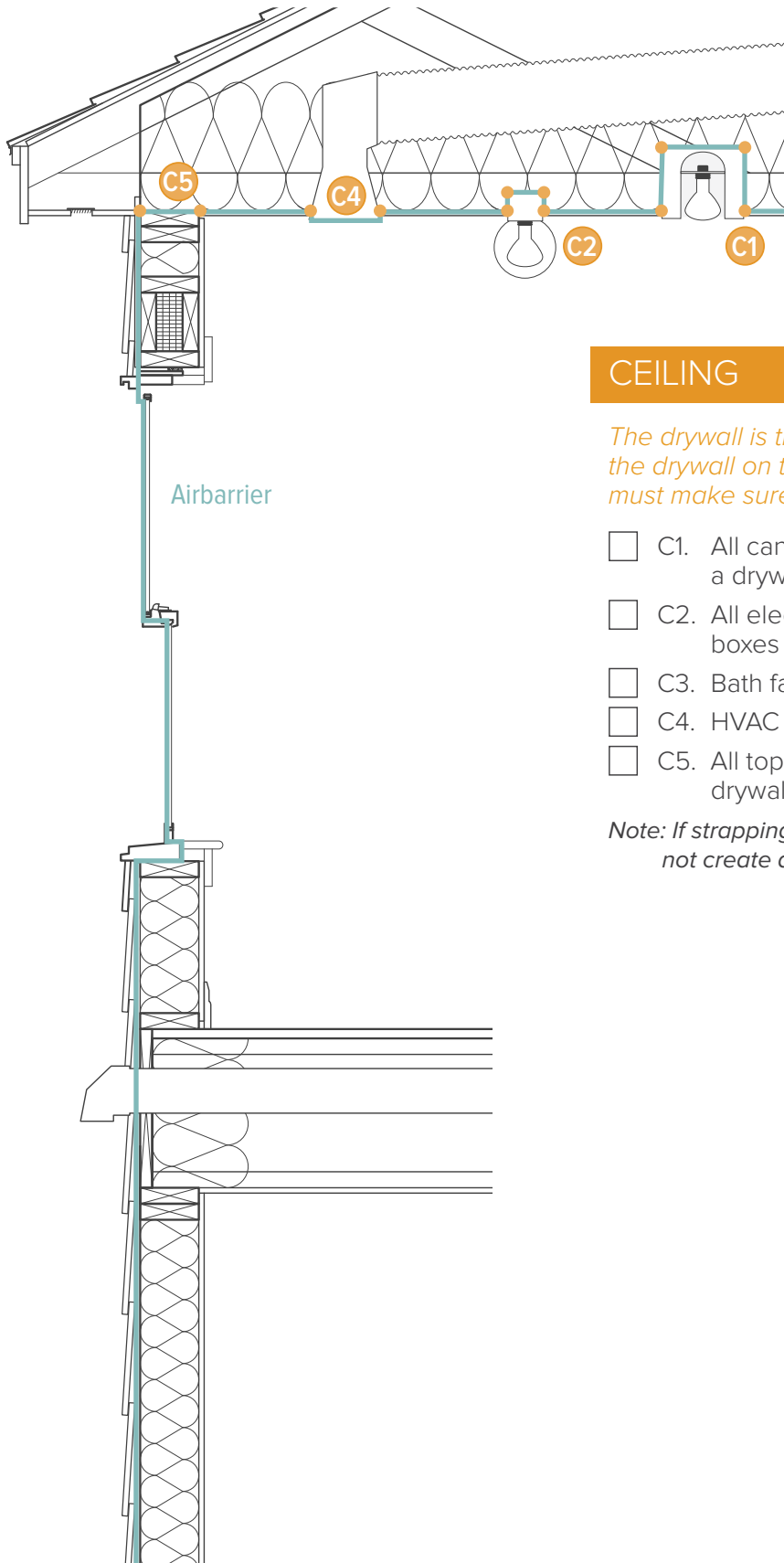
Air Tightness starts with quality framing and quality products. OSB that is delaminating will not serve as a good air barrier. Framing that is not square will leak more than square framing.

- F1. All wall and floor sheathing is continuous and free of gaps
- F2. All chases are capped and air sealed
- F3. Bottom Plate is sealed to floor:
Slabs: Sill seal and caulk after walls are stood up
Crawl space: Thick bead of caulk under bottom plate
- F4. Bottom Plate is sealed to sheathing:
Prior to sheathing being installed OR
After sheathing is installed from interior
- F5. Top Plate is sealed to sheathing:
Prior to sheathing being installed OR
After sheathing is installed from interior
- F6. Double Top Plates are caulked together
- F7. Outside Corners:
Prior to sheathing being installed OR
After sheathing is installed from exterior
- F8. All blocking for exterior sheathing joints is air sealed
- F9. 2 Story-Band is air sealed if wall sheathing has seams at band location

PENETRATIONS THROUGH FRAMING

Holes must be cut to size. The less a hole needs to be filled with sealer the more confident we are that the seal is done correctly. Require your subs to carry proper size hole-saws and not just a reciprocating saw.

- P1. Windows
- P2. Doors
- P3. MEP through wall sheathing
- P4. MEP through top plate and bottom plate
- P5. MEP through floor



CEILING

The drywall is the air barrier on the top of the structure. Unlike the drywall on the wall there is no sheathing behind it so we must make sure it is completely air sealed.

- C1. All can lights are sealed to the drywall (BEST: create a drywall box that is sealed to put over top)
- C2. All electrical boxes are sealed to the drywall and boxes themselves are air sealed
- C3. Bath fans are sealed to drywall
- C4. HVAC Boots and Return Boxes are sealed to drywall
- C5. All top-plates are sealed to drywall (BEST: sealed to drywall after it is installed from attic side)

Note: If strapping is on interior side of top plates seal sill alone may not create a seal