



BUILDING CONSTRUCTION

Flexible Instruction Day

Assignment #2

Learning Standard	Standard CC.3.5.9-10.C Standard CC.3.5.11-12.C Follow precisely a complex multistep procedure, etc
Task # & Description	BC Trades 46.9999 Task List #904 Estimating Wall Components Wall Material Estimating

CONTACT INFORMATION/ASSISTANCE

Instructor Name: Ron Sankey

Instructor E-Mail: Sankeyr@butlertec.us

I will be available by email and the Remind app from 7:40-12, and 12:30-3:10 to answer your questions. Please reach out if you are having difficulty completing your assignments.

INSTRUCTIONS

- ✓ All work is due on the day we return to school. This is counted towards your attendance **and** as a classroom assignment.
- ✓ Follow specific instructions on assignment.

Name: _____

Session: _____

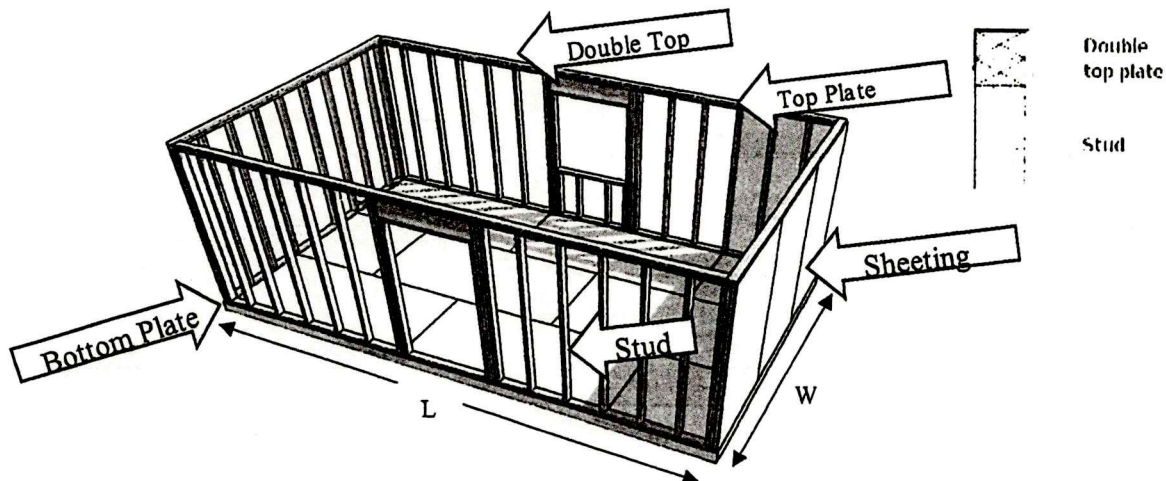
____/____ points

SNOW DAY ASSIGNMENT #2

Name _____ Date _____ Session _____

WALL MATERIAL ESTIMATING

- **Wall Studs:** board(s) used to support weight load of structure
 - Measured 16" on center
- **Top Plate:** board(s) used to create a form frame of structure on top ridge of frame walls
- **Double Top Plate:** laid on top of the top plates, board(s) used to connect all side frames around structure perimeter
- **Bottom Plate:** board(s) used to create a form frame of structure on bottom ridge of frame walls
- **Sheeting:** OSB plywood used to add strength and security to walls.



Directions: Using your notes, estimate the boards needed to build each floor with the measurements given.

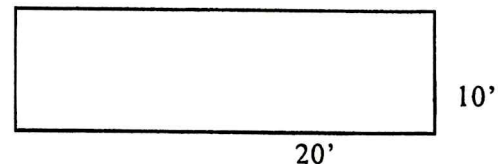
** For all material estimation always round up as you cannot buy pieces of materials.*

Studs

Top & Bottom Plates @ 10'

Double Top Plates @ 10'

OSB

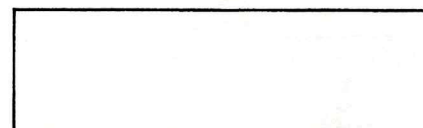


Studs

Top & Bottom Plates @ 12'

Double Top Plates @ 12'

OSB



15'

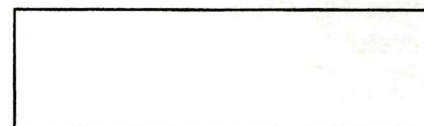
8'

Studs

Top & Bottom Plates @ 12'

Double Top Plates @ 12'

OSB



25'

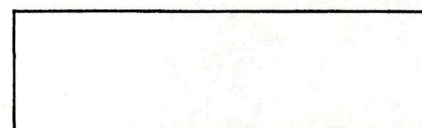
14'

Studs

Top & Bottom Plates @ 16'

Double Top Plates @ 16'

OSB



18'

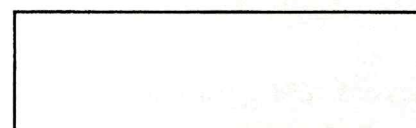
12'

Studs

Top & Bottom Plates @ 16'

Double Top Plates @ 16'

OSB



22'

16'