

ASSIGNMENTS FOR 11/19

Advanced	4TH PERIOD	
Alexander Christian Kami Streicher Silva	Ana Balisi Avery Boyer Kaleb Chauran Reese Christensen Lucas Davison Nate Fischler Ellie Fitts Yahir Genaro Kyle Kirkpatrick	Jack Loretz Nolan Moore David O'Briant Van Regle Calum Rezac-Picard Angel Rivera Murillo Lila Roberson Easton Welever Lincoln Zinker

	WORK PRIORITIES	Assignments
1	When the walls are up, but before the short wall is attached, measure the distance between the 2 walls and brace the wall plumb with 2x4 braces into a plumb position (the long level in Mr K's office will be required for this).	Kyle Lucas Angel
2 SHORT WALL	- Place the short wall on the subfloor. Secure the wall with 3" screws through the bottom plate and into the rim joists. Best practice is to secure the walls near the studs. - Install the second top plate. - Install the next sheet of plywood.	Avery Van Lincoln Jack
3 REAR WALL	- Help install a rafter over the rear wall that group #4 will first cut for you. TEST FIT WITH THE RAFTER IN POSITION. - Install the rafter to the top top plate of each wall with two angled 3" screws. - Install the TOP-TOP PLATE of the rear wall by screwing it directly to the bottom edge of the rafter. (3" screws every 12 inches) - Install the BOTTOM-TOP PLATE of the rear wall by screwing it directly to the top-top plate. (3" screws every 12 inches) - Install the BOTTOM PLATE of the rear wall between the tall and short walls. (Use 3" screws every 12 inches) - Layout all framing members on the bottom plate, then transfer all layout marks to the bottom side of the bottom-top plate of the wall using the PLS laser. - Then frame the rear wall. (Studs should be toe-screwed with at least two 3" screws into the plates) - Where possible, use 3" screws to connect adjacent studs or to connect the rear wall to each side wall. Triple-check the window and heat pump rough openings. Check against the window.	Ana Lila Ellie Nate

4 CUT RAFTERS	Yahir and Nolan, please cut rafters to their proper length (2x6). DO NOT ASSUME ALL RAFTERS WILL BE THE SAME. MEASURE THE DISTANCE BETWEEN WALLS AT EACH RAFTER LOCATION BEFORE PROCEEDING WITH RAFTER CUTTING. • FIRST CUT RAFTERS OVER THE REAR AND FRONT WALL • Two people (David and Reese) hold a rafter in place and ensure there is the required 6" overhang at one end, and mark this. Then mark where the heel of each bird's mouth should be (USE A SLIDING T-BEVEL TO MARK THESE HEELS). • Then mark out the birds' mouths and cut the birds' mouths with a combination of a circular saw and a jigsaw. TEST FIT WITH EACH RAFTER IN POSITION.	Yahir David Nolan Reese
5 FRONT WALL	• Help install the TWO rafters over the rear wall that group #4 will cut for you • Install each rafter to the TOP-TOP PLATE of each wall with two angled 3" screws. • Place 2x4 blocking between each rafter, and flush to the bottom of each rafter. The top-top plate of this wall will connect to this. • Install the TOP-TOP PLATE of the front wall by screwing it directly to the bottom edge of the rafter. (3" screws every 12 inches) • Install the BOTTOM-TOP PLATE of the front wall by screwing it directly to the top-top plate. (3" screws every 12 inches) • Install the BOTTOM PLATE of the front wall between the tall and short walls. (Use 3" screws every 12 inches) • Layout all framing members on the bottom plate, then transfer all layout marks to the bottom side of the bottom-top plate of the wall using the PLS laser. • Then frame the front wall. (Studs should be toe-screwed with at least two 3" screws into the plates) • Where possible, use 3" screws to connect adjacent studs or to connect the front wall to each side wall. Triple-check the door rough opening. Check against the door.	Kaleb Kyle Easton

6 INSTALL RAFTERS	Install the rafter by doing the following at each end of the rafter: • Install some 2x4 blocking between the two installed rafters for something to attach the top-top plate to. • Install the TOP-TOP PLATE of the front wall by screwing it directly to the bottom face of the blocking between the rafters. (3" screws every 12 inches) • Install the BOTTOM-TOP PLATE of the front wall by screwing it directly to the top-top plate. (3" screws every 12 inches) • Install the BOTTOM PLATE of the rear wall between the tall and short walls. Use 3" screws every 12 inches. • Layout all framing members on the bottom plate, then transfer all layout marks to the bottom side of the bottom-top plate of the wall using the PLS laser. • Then frame the front wall. (Studs should be toe-screwed with at least two 3" screws into the plates) • Where possible, use 3" screws to connect adjacent studs or to connect the front wall to each side wall. Triple-check the door rough openings. Check against the door.	Kaleb Kyle Easton
7	Once task #1 is done, start installing interior sheathing on the tall wall. Make sure the TOP-TOP PLATE is installed on the wall before cutting plywood. Plywood should be secured with 1-1/4" screws, 6" on edges, 12" in the field, and use the track saw when needed. Make sure joints in plywood on one course do not line up with joints on an adjacent course. BE SURE TO MEASURE DIMENSIONS AT TWO LOCATIONS BEFORE CUTTING PLYWOOD. PIECES MAY NOT BE SQUARE.	Kyle Lucas Angel

INSTALL THE RAFTER BY DOING THE FOLLOWING STEPS ON EACH END:

1. Partially drive a 3" screw into the top plate on one side of the in-place rafter to keep the rafter from moving. Then toe-screw the rafter to the top plate from the other side of the rafter.
2. Install a 2nd toe screw from the other side of the rafter.
3. Install a hurricane tie on the outside wall. **DO NOT USE SCREWS ON THE HURRICANE TIES, USE TICO NAILS.**

NEXT STEPS

- Cut the boards for the porch. 3" screws should be used to secure.
- Install blocking between the walls. 3" screws should be used to secure.