Job hazard analysis (JHA): Drywall and framing

Task: Drywall and framing	**Site or job:**
Crew:	**Date:**
Supervisor:	

No.	Job step	Hazard	Controls (most effective first)
1	Plan the work and stage materials	Material stacks block exits or overload a floor	**Eliminate:** Have sheets delivered to the floor where they will be hung, using a hoist, to skip carrying up stairs. **Engineering control:** Stack, block or otherwise secure material stored in tiers so it cannot slide, fall or collapse. (29 CFR 1926.250(a)(1)) **Administrative control:** Do not let stored material block exits. (29 CFR 1926.151(d)(1)) **Administrative control:** Review the layout and plan the order of work with other trades.
2	Cut studs and boards	Saw cuts, kickback and flying chips	**Engineering control:** Use power saws with their guards in place when the saw is designed to take guards. (29 CFR 1926.300(b)(1)) **Engineering control:** Use double-insulated or grounded electric power tools. (29 CFR 1926.302(a)(1)) **Administrative control:** Clamp the work piece and keep the cord clear of the blade. **PPE:** Wear safety glasses and hearing protection when cutting. (29 CFR 1926.102(a)(1))
3	Assemble and raise framed walls	Wall tips or pinches hands when raised	**Engineering control:** Brace the wall immediately after raising and before releasing the lifting crew. **Administrative control:** Use enough workers to lift and brace, and use a lift signal. **PPE:** Wear a hard hat where there is a danger of head injury from impact or falling objects. Gloves are good practice. (29 CFR 1926.100(a))
4	Fasten with nailers and screw guns	Nail gun double-fires or the fastener ricochets	**Engineering control:** Secure pneumatic tools to the hose or whip by positive means so they cannot disconnect. (29 CFR 1926.302(b)(1)) **Engineering control:** Nailers with automatic fastener feed that operate at more than 100 psi at the tool must have a muzzle safety device, so they fire only when the muzzle is against the work. (29 CFR 1926.302(b)(3)) **Administrative control:** Keep fingers off the trigger when moving, and never point the tool at anyone. **PPE:** Wear safety glasses. Hearing protection is good practice around nailers. (29 CFR 1926.102(a)(1))

No.	Job step	Hazard	Controls (most effective first)
5	Carry and hang drywall sheets	Falls from ladders and uneven floors, and strain from sheets	**Substitute:** Use a drywall lift or panel cart to hold and carry sheets. **Engineering control:** Use ladders only on stable, level surfaces unless they are secured. (29 CFR 1926.1053(b)(6)) **Administrative control:** Do not use the top step of a stepladder. (29 CFR 1926.1053(b)(13)) **Administrative control:** Keep floors clear of cut-offs, screws and cords.
6	Carry and hang drywall sheets	Falling near wall openings or stair openings	**Engineering control:** Provide guardrails, a safety net or a personal fall arrest system at wall openings where the outside bottom edge is 6 feet or more above a lower level and the inside bottom edge is less than 39 inches above the floor. (29 CFR 1926.501(b)(14)) **Engineering control:** Cover or guard floor holes.
7	Tape, mud and sand	Dust irritates eyes and lungs	**Substitute:** Use premixed or low-dust compound and a sanding method with dust collection. **Engineering control:** Ventilate the area and use a vacuum sander where possible. **Administrative control:** Keep the area sealed so dust does not spread to others. **PPE:** Wear a respirator that fits when exposure requires one, with eye protection. (29 CFR 1926.95(a))
8	Clean up and recycle	Debris, nails and scrap cause trips and punctures	**Administrative control:** Keep scrap lumber with protruding nails, and other debris, cleared from work areas, passageways and stairs. (29 CFR 1926.25(a)) **Administrative control:** Bag and remove dust the same day; do not dry sweep where it throws dust into the air.

Required PPE

- Safety glasses (29 CFR 1926.102(a)(1))
- Hearing protection when cutting and nailing
- Gloves
- Hard hat (29 CFR 1926.100(a))
- Dust mask or respirator where dust requires it (29 CFR 1926.95(a))
- Knee pads

OSHA sections

29 CFR 1926.250 General requirements for storage; 29 CFR 1926.151 Fire prevention; 29 CFR 1926.300 General requirements; 29 CFR 1926.302 Power-operated hand tools; 29 CFR 1926.102 Eye and face protection; 29 CFR 1926.100 Head protection; 29 CFR 1926.1053 Ladders; 29 CFR 1926.501 Duty to have fall protection; 29 CFR 1926.95 Criteria for personal protective equipment; 29 CFR 1926.25 Housekeeping; 29 CFR 1926.21 Safety training and education; 29 CFR 1926.1153 Respirable crystalline silica; 29 CFR 1926.452 Additional requirements applicable to specific types of scaffolds

Reviewed with the crew. Names and signatures

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