Interior Wall Construction Manual

Andy Contractor

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# Welcome

This training manual was designed for new employees to Andy Contractor. Specifically teaching new employees how to build an interior wall.

# Required Skills and Knowledge

This manual is written for people with basic knowledge of carpentry, machinery use, and work place safety. At the very least, you will have to know how measure spaces, cut trim and dry wall, and use a knife to place mud and smooth it out. Also, you will need to be able to carry heavy objects and use equipment at the same time.

# Introduction

As a carpenter, interior wall construction is one of the most important process needed to be done. Walls will be placed in almost all interior jobs. The walls must be placed safely and can not be damaged because the owner can see it.

# Placing Drywall

## Process Description

With a tape measure the dimensions of the walls and ceiling are measured. A utility knife is pressed into the drywall to cut the drywall into the desired sizes. Starting with the ceiling the drywall is placed and screwed into the ceiling. Every 8 inches a screw is placed into the wall where a stud is. This repeated until the ceiling is fully covered. The dry wall is now placed on the walls and screws are placed along the edges of the drywall and every 8 inches along the studs. This is repeated until the walls are covered.

## Instructions

Required equipment and materials:

* Drywall
* Drywall screws
* Impact Drill
* Utility knife
* Tape Measure
* Stud Finder
* Pencil
* Two people

1. Using a tape measure, measure the ceiling, and the dimensions of the walls.
2. Calculate the amount of drywall sheets needed to fill each wall and the ceiling using the dimensions measured.
3. Starting with the ceiling, cut the drywall to the size needed using a utility knife by pressing hardly on the drywall.
4. With two people, hold the drywall up to the ceiling; one person needs to use a drill to screw the drywall screws in. Place 5 screws on the side.
5. Once placed, one person needs to place screws along the studs every 8 inches.
6. Repeat until the ceiling is full.
7. Once the ceiling is full, using a pencil mark the studs.
8. Cut the drywall into required sizes using a utility knife by pressing down on the sheet.
9. Place drywall against the wall and using an impact drill screw in some drywall screws around the edges of the drywall.
10. Using the pencil markings place screws every 8 inches along the studs in the drywall.

# Placing Mud

## Process Description

Mats are placed on the floor. Mud is place onto a knife. The mud is then rubbed over the marks with the knife. Excess mud is scraped off with the blade of the knife. The mud dries for a couple of hours. Mud is then placed on remaining noticeable marks and dries until none can be seen. Sand paper is rubbed against the mud until the walls and ceiling are completely smooth.

## Instructions

Required equipment and materials:

* Mud
* Mud knife
* Drywall tape
* Utility Knife
* Mats
* Blowers (optional)
* Sand paper

1. Open the jar of mud using a utility knife by cutting the edge of the bucket.
2. Place mats along floor to prevent mud from damaging the floor.
3. First place mud on mud knife.
4. Using the flat end place mud on the screw holes and rub excesses off with the blade of the knife.
5. Next using the drywall tape, place tape along the gaps of all the drywall.
6. Use the blade of the knife to flatten the tape.
7. Then place mud over the tape and scrape off the excessive mud with the knife.
8. Wait a couple hours for the mud to dry (use blowers to shorten the time).
9. Place mud on any screw marks or gaps between the drywall that are noticeable using the knife. Wait a couple of hours.
10. Repeat step 9 until no marks are noticeable on the drywall.
11. Using sand paper, smooth the areas where the mud was placed by rubbing the area with sand paper.
12. Repeat step 11 until the entire wall is smooth.
13. Pick up the mats and shake them outside.

# Placing Trim/Crown

## Process Description

The ceiling and floor are measured. A saw cuts the crown to the desired size. The crown is tightly held against the wall and nails are shoot in at every stud. This repeated until the ceiling is covered. The trim is now cut to the desired sizes. Then is held tightly to the ceiling and is shot in at every stud. This repeated until the wall is fully covered.

## Instructions

Required Materials:

* Tape Measure
* Saw
* Pencil
* Nail gun
* Nail gun nails
* Trim
* Crown

1. Using a tape measure, measure the ceiling to find the dimensions of the walls.
2. Once the dimensions are found, cut the crown using a saw to the desired size.
3. With two people, hold the crown up to the ceiling and shoot the nails in with the nail gun.
4. Then shoot nails in at every stud while holding the crown tightly to the ceiling.
5. Repeat until crown is placed everywhere desired.
6. Next use the tape measure to find the dimensions of the floor.
7. Cut the trim to the desired lengths found with the tape measure.
8. Place the trim tightly to the wall and shoot in the nails at every stud.
9. Repeat until trim is placed throughout the room.