

Exam Title: 8720310: Building Construction Technologies1

Courses Assessed by this Exam: Building Construction Technology 1

Key Vocabulary: Rounding, decimal, inches, On Center (OC), OSHA, Hazard communication page, Material safety data sheet, hazard, occupational, Pest control pyrotechnics, regulations, toxic substances, permit, application process, elevation survey, Right to know law, variance application, structural integrity, HOA (home owners association), residential, commercial, Walker's Estimating, bottom plate, top plate, slab, parallel, decking, laminate, joists, ledger strips, headers, girders, subflooring, foundation, Florida Building Code, particle board, sheathing, weigh bearing, non weight bearing, stucco, asphalt, SPF#2,

Student Tasks: Bulleted items using statements: Identify, define, be able to...

- Apply Pythagorean Theorem to real life problems.
- Convert measurement (yards-feet, feet-inches)
- Understand and apply Universal Procedures for Safety
- Figure square footage for house building and flooring installment
- Apply hurricane/wind codes to the framing process
- Read tape measure
- Proficient in Walker's Estimating
- Understand and identify symbols on blue prints
- Figure span, height and slope of roofing systems (Pythagorean or other method)
- Proficient in framing layout procedures and conversions
- Understand Top and Bottom plating and materials used.
- Calculate dead load and appropriate floor joicing.
- Understand mail size and appropriate uses.
- Calculate board feet for ordering materials
- Determine minimum and maximum ceiling span
- Apply knowledge of minimum and maximum thickness of materials