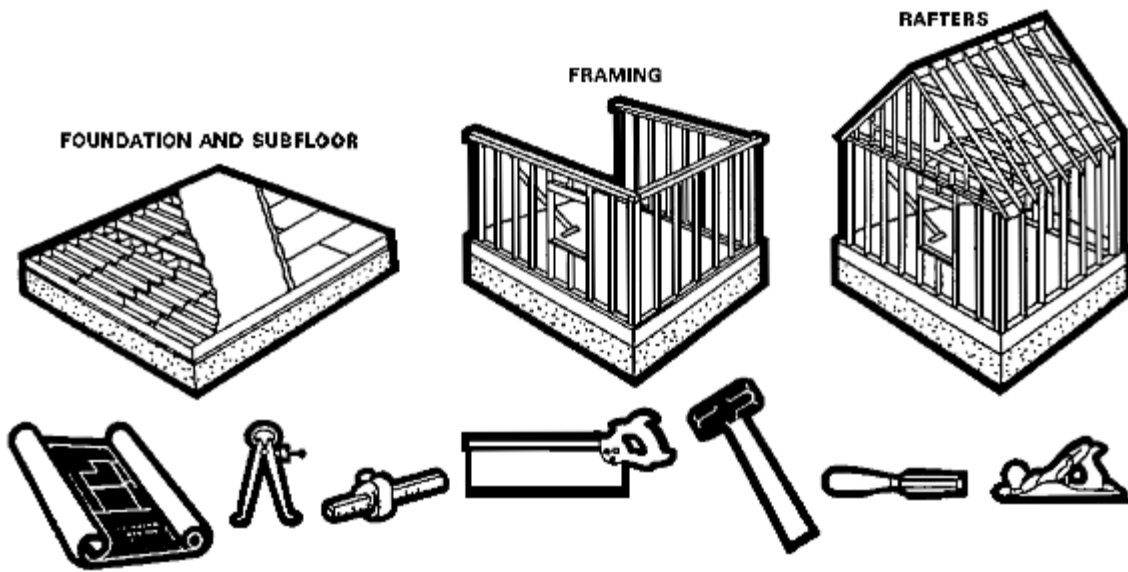
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Industry: Construction	Sub-Group: Carpentry
SIC: 1751	NAICS: 238130 and 238350

PROCESS DESCRIPTION: Constructs, erects, installs and repairs structures and fixtures of wood, plywood, and wallboard using carpenters' hand tools, electrical powered tools, powder-activated tools and pneumatic tools conforming to local building codes. Study blueprints, sketches or building plans for information pertaining to type of material requested, such as lumber or fiberboard, and dimensions of structure or fixture to be fabricated. Selects specified type of lumber or other materials. Prepares layout, using rule, framing square and calipers. Marks cutting and assembly lines on materials, using pencil, chalk, and marking gauge. Shapes materials to prescribed measurements using saws, chisels and planes. Assembles cuts and shapes materials and fastens them together with nails, dowel pins or glue. Verifies trueness of structure with plumb bob and carpenter's level. Erects framework for structures and lays subflooring. Builds stairs and lays out and installs partitions and cabinet work. Covers subfloor with building paper to keep out moisture and lays hardwood, parquet and woodstrip block floors by nailing floors to subfloor or cementing them to mastic or asphalt base. Applies shock-absorbing, sound-deadening and decorative paneling to ceilings and walls. Fits and installs prefabricated window frames, doors, doorframes, weather stripping, interior and exterior trim, and finishing hardware such as locks, letter drops and kick plates. Erects scaffolding and ladders for assembling structures.

PROCESS FLOW: The flow will vary according to the work contracted. A contract to do all the framing and rough carpentry work requires that the work start at the foundation. Parts of the framing are located so the rest of the building can go in place as follows: floor joist, subfloor, studs for walls, ceiling rafters, roof framing, exterior walls, storm sheeting and the roof sheeting. Although this process is for a one store building, those with more floors are built on the same principle.

The other type carpentry contractors such as trim and finishing contractor, door and window contractor, garage door installation or erection contractor, and store fixture contractor can start at any place they desire and go any direction they wish.



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Hazards Analysis


Major Hazards			Other Hazards		
Location	Item	Hazard	Location	Item	Hazard
Job site	Ground prong broken off circular saw used in cutting studs	Electrocution potential	Job site	Pneumatic nail driver not secured to hose	Loose end of pressure hose striking employee
	Temporary lights with no guards over bulbs	Electrocution and burn potential; eye injury		Housekeeping	Slipping, tripping or falling, or fire hazard
Job site	No eye protection using powder-activated tool	Eye injury			
	No guard rails around scaffold over 10' high	Falling hazard			
	Head protection not being used	Potential head injury when handing sheeting up to the employees on roof			

Key OSHNC Standards

Reference	29 CFR 1926 — Construction Industry Standards
Subpart C and 13 NCAC 7F.0202	General Safety and Health Provisions - federal and state-specific requirements (for 1926.28)
Subpart D	Occupational Health and Environmental Controls
Subpart E	Personal Protective and Lifesaving Equipment
Subpart K	Electrical
Subpart L	Scaffolds
Subpart M	Fall Protection
Subpart O	Motor Vehicles, Mechanized Equipment, and Marine Operations
Subpart X	Stairways and Ladders

SIC: 1751

NAICS: 238130 and 238350

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Subpart CC	Cranes and Derricks	
1926.556	Aerial Lifts	

Inspection Analysis

The inspection can start at any point and go in any direction where there is work in progress or where any work is ready to start. The supervisor can supply this information. All storage areas for materials and tools should be checked thoroughly.

Other Pertinent Comments: Group consists mainly of special trade contractors primarily engaged in carpentry work. This industry does not include carpentry work done by the general contractors engaged in building construction (see IDR 15-1); general repair contractors engaged in a combination of carpentry, masonry and other repair work (see IDR 15-1); or carpentry work done in repair shops (SIC 7699 or NAICS 442299 such as custom picture frame shops).

Carpentry work: contractors may include contracting all framing and rough carpenter work or all trim and finish work or both

Door and window (prefabricated) installation: contractors

Garage doors, installation or erection: contractors

Store fixture: contractors

Ship joinery: contractors