

Virtual BuildAnInstaller Syllabus	
	<b>Introduction</b>
<b>Section</b>	<b>Course Name</b>
<b>Tools &amp; Fasteners</b>	Tools
	Fastener Introduction
	Screws
	Anchors
	Threaded Rod and Channel
	Fasteners For Concrete
	Assorted Hardware
<b>Safety</b>	Safety Introduction
	Personal Safety
	Personal Protective Equipment
	Equipment Safety
	Back Safety
	Electrical Safety
	Fire Safety
	Safety Data Sheets
	Emergency Medical First Aid
	Safety Test - Virtual BuildAnInstaller
<b>Tubing</b>	Tubing Section Introduction
	Tubing Type
	Tubing Insulation
	Cutting Tubing Tools
	Flaring Tool
	Swaging Tools
	Cleaning The Pipe
	Brazing Solder Types
	Torches
	Torch Lighting
	Charging Nitrogen
	Schrader Valves
	Nitrogen
	Nitrogen Cut Pipe
	Cut Pipe No Nitrogen
	Brazing On A Unit
	Cool Gel
	Heat Conductive Paste
	Tubing Test - Virtual BuildAnInstaller

<b>Air Distribution</b>	Air Distribution Introduction
	Types of Ductwork
	Air Distribution Ductwork Fittings
	Air Distribution Installation Guidelines
	Air Distribution Test - Virtual BuildAnInstaller
<b>Air Conditioning</b>	Air Conditioning Introduction
	Air Conditioning Indoor Units
	Air Conditioning Installation Guidelines
	Air Conditioning Test - Virtual BuildAnInstaller
<b>Electrical</b>	Electrical Field Wiring Introduction
	Electrical Field Wiring - Fuses & Circuit Breakers
	Electrical Field Wiring - Conductors & Grounds
	Electrical Field Wiring - Wiring   Cabling & Connectors
	Electrical Field Wiring - Thermostat
	Electrical Field Wiring - Data Plate
	Electrical Field Wiring - Installation Sequence
	Electrical Test - Virtual BuildAnInstaller
<b>Heating</b>	Introduction
	Air for Combustion
	Natural Gas and Propane
	Clearances
	Installed Locations
	Space Requirements
	Applications
	Duct System
	Plenums
	80% Venting
	90% Venting
	Gas Supply
	Electrostatic Discharge
	Accessory Terminals
	Furnace Operation
	Sequence of Operations
	Measurements
<b>Mini-Split</b>	
	x
	x
	x
<b>Commissioning</b>	
	x
	x
	x