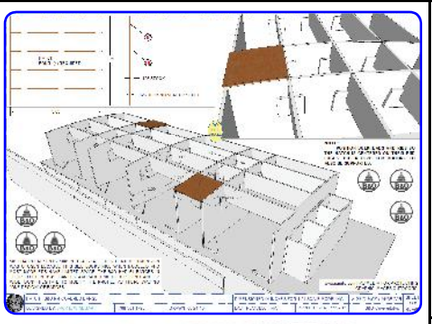
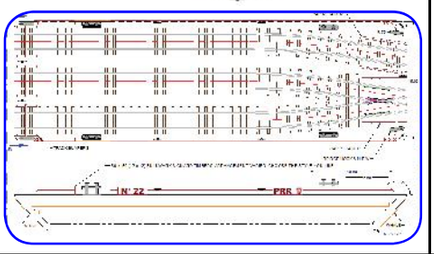
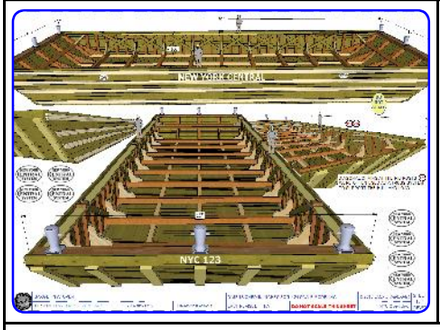
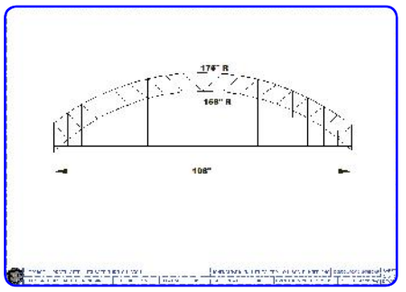
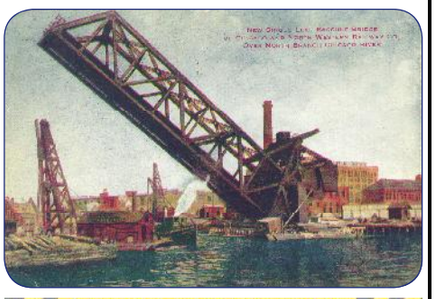
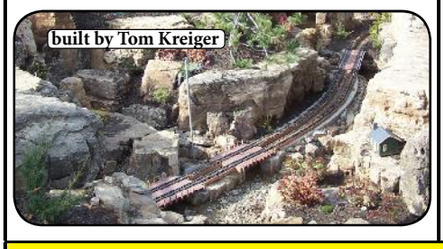
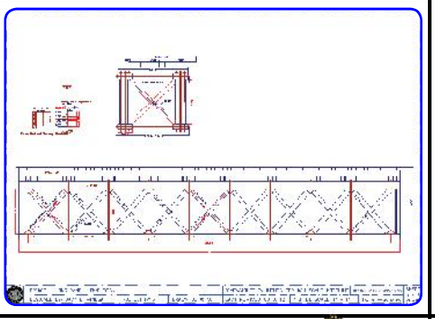
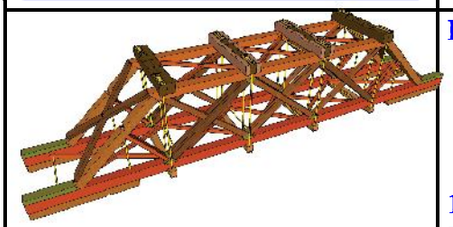
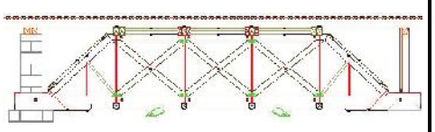
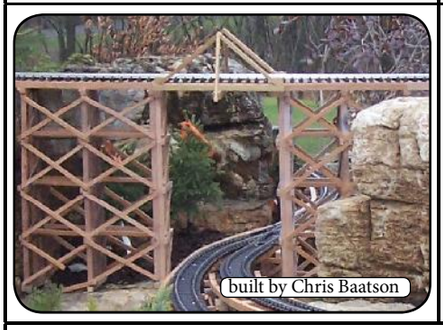
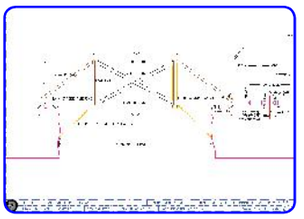
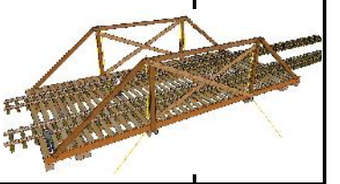
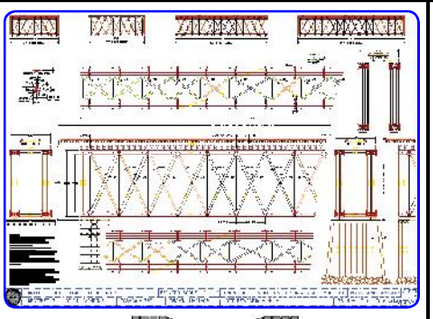
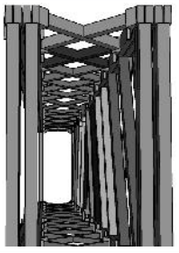
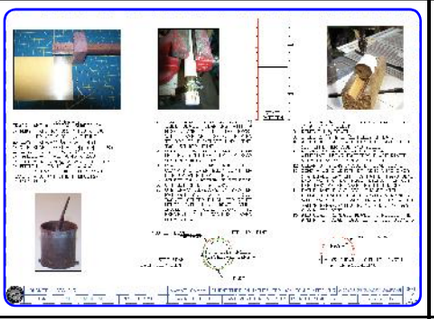
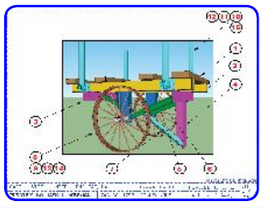
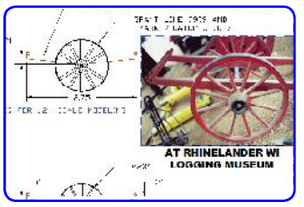
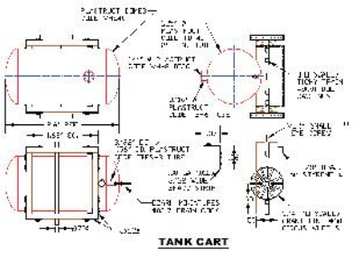
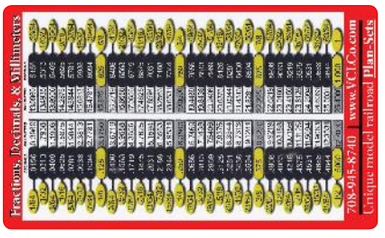
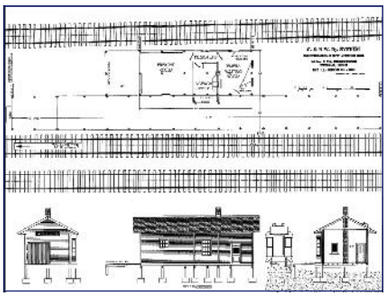
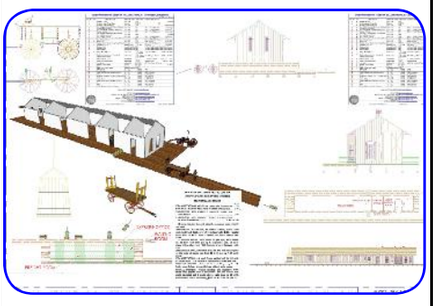
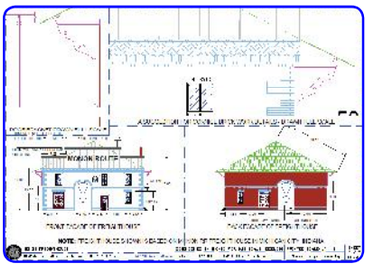
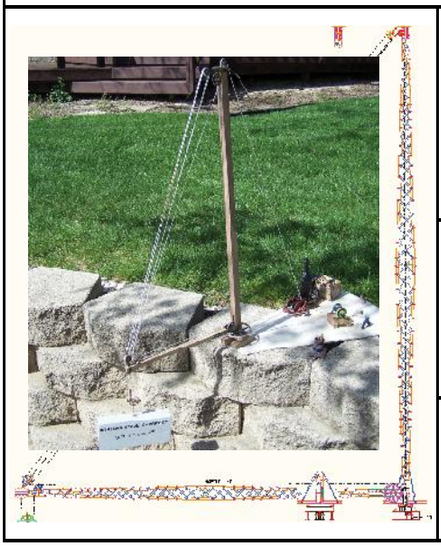
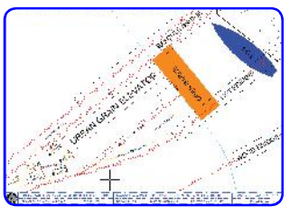
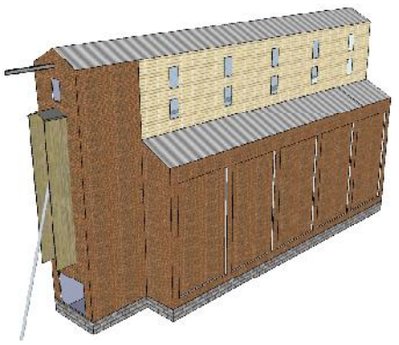
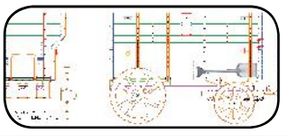
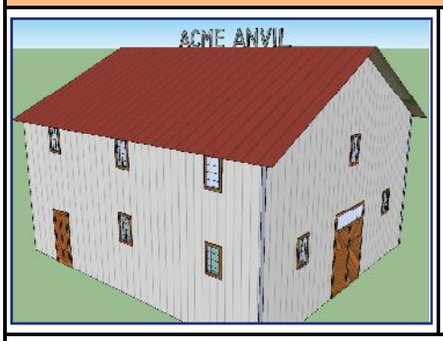
DRAWING or PICTURE	CONTENTS	COSTS
	**Barge - B&O Covered ••••** Sometimes referred to as House Barges. Covered barges hauled people, lumber & construction materials, oil, ice, live stock and other perishable freight that required sheltered transportation. As with most Covered Barges this **Plan-Set** shows a Captains Quarters where his family also lived. The B&O had 64 barges in their fleet in 1949. Foam board construction is illustrated for indoor or outdoor railroad gardens. **Plan-Set** includes: 7) 13″ x 19″ super **B** sheets, includes full size templates with a material list, plus 2) 9-½″ x 13″ super **A** pages.	$14 **Plan-Set** only
 	**Barge - PRR Car Float ••••** A railroad car float or rail barge is a barge with rail tracks mounted on its deck. It is used to move railroad cars across water pushed by a Tugboat or towed by a Towboat. As such, the car float is a specialised form of a train ferry. Car Float service was also provided by more the 10 railroads at pier stations and waterfront warehouse facilities around 1900. Bridges and truck service eventually eliminated the need for Car Floats. Such service is still available in NY, NY. Construct for indoor or outdoor railroad gardens. **Plan-Set** includes: 5) 13″ x 19″ super **B** sheets, with full size profile template. **Plan-Set** gives the option of 3 design layouts depending on the era being modeled. plus 2) 9-½ ″ x 13″ super **A** pages.	$12 **Plan-Set** only
	**Barge - NYC Open ••••** In the early part of the 20th century railroads were transportation companies operating Tugs and Barges along with their trains. The New York Central had 139 barges in their fleet in 1949. Open barges would carry; coal, grain, gravel, salt, sand, stone, and mulch such as wood chips etc. Scrap iron to scrap yards and steel mills. Construction illustrates how to build this barge plank by plank for indoor or outdoor railroad gardens. **Plan-Set** includes: 5) 13″ x 19″ super **B** size sheets, full size hull templates with a material list and 2) 9-½″ x 13″ super **A** pages.	$12 **Plan-Set** only
Purchase all three above Barge **Plan-Sets** as a package with a 16 page instruction spiral bound booklet and save over $5! Barges could be found around navigable waterways 100 years ago and at marine terminals today.		**$33**
 **-- UNDER CONSTRUCTION --**	**Barns - Sawmill Horse ••••** The title tells what these barns were used for. Horses were the choice beast-of-burden when the proper feed was available. Oxen were reported used by the VCLCo until 1926. Areas which could not grow feed for horses need train service to deliver the proper feed, oxen were not that delicate. They would be one of the first buildings built along with the Sawmill because they were used to skid logs to the landing, pull Log Wagons, Big Wheels, Lumber Buggy Wagons, Dumper Wagons and Water Tankers through a Company Town. The VCLCo had two, one 30′ x 50′ and the other 50′ x 75′ barns.	U/C
	**Blacksmith Shop - Sawmill ••••** This large Blacksmith Shop was located next to the VCLCo Horse Barns for repairing mill, logging equipment and of coarse, shoeing the horses. Footprint was 34′ x 50′. **-- under construction --**	U/C
	**Bridge - 216′ Pratt Steel Through Tied Arch Truss ••••** This 108″ tied arch (bowstring) type is commonly used for suspension bridges. First, it is claimed that suspension bridges were not used for trains. NOT true! I have seen documentation on two RR suspension bridges. This bridge would look good in a railroad garden. A tied arch resists spreading (drift) at its bearing by using the deck as a tie place. This bridge is being designed with styrene shapes to represent steel for indoor and outdoor railroad gardens.	U/C

DRAWING or PICTURE	CONTENTS	COSTS
	**Bridge - Tied Wood Through Arch Truss** •••• This is a great looking freelance 108″ bridge that will be the “WOW” factor of everyone entering your railroad garden. This bridge was built with laminated Ipe wood for maximum outdoor longevity and capped with a brass strip for a prototypical look along with threaded brass rod for a nice “transparency” see-through look. 	U/C
 	**Bridge - CNW Bascule** •••• Bascule bridges were, and can still be found in many cities where trains needed to cross rivers. This is prototypical design of the CNW bridge still located on the north branch of the Chicago river by Kinzie Street. Bascule is based on the French word meaning “see-saw”. A Bascule bridge features a moveable span which rotates on trunnion (a horizontal axis). A large concrete counterweight offsets the weight of the structure. This bridge is being designed with styrene shapes to represent steel for indoor and outdoor railroad gardens. Designed for a single track. Footprint 95″ x 10-¾″.	U/C
	**Bridge - 67′ Double Track Timber Deck** •••• This prototypical bridge as designed has a footprint of 33½″ x 18¼″ for a double track. Easily constructed for a single track with railing options for indoor and outdoor railroad gardens. **Plan-Set** and material list: 2) super **B** & 2) 9½″ x 13″ **A** size sheets, with **Booklet:** 8) super **A** size booklet sheets which with suggested weathering recommendations.	$9.50 **Plan-Set** ONLY $11 Booklet **Plan-Set**
Included in all Bridge and Trestle booklets are lists of RR garden materials, adhesives, paints and UV protection.		
	**Bridge - Howe 92′ Timber Box Long Panel Truss Pony** •••• This prototypical bridge as designed is 92′ long (46″ in ½″ scale) which the size can be easily changed ± 8-⅓′ (4-3/16″) designed for single track. Easily constructed for a double track for indoor or outdoor railroad gardens. These two Howe truss bridges we are offering are similar (Howe was the engineer who popularized the “X” bracing for bridges) but, have different details tieing the elements together with different end piers. -- under construction --	U/C
 	**Bridge - 70′ Timber Deck 1 & 2-Track Truss Deck** •••• This prototypical bridge is designed at 70′ long (35″) which the size can be easily changed ± 12 ½′ (6.25″). Easily constructed for indoor and outdoor railroad gardens. **Plan-Sets** contain full size templates, material list with a sawing matrix:	
	1-Track Timber Truss Deck •••• 10) 13″ x 19″ & 4) 9-½″ x 13″ sheets	$16
	2-Track Timber Truss Deck •••• 11) 13″ x 19″ & 4) 9-½″ x 13″ sheets	$17
	1 & 2-Track Timber Truss Deck Booklet & Plan-Sets •••• 13) 13″ x 19″ super **B**, Includes an additional 10) 9-½″ x 13″ pages of outdoor materials, adhesives, painting, and weathering options.	$29
	1-Track Truss O Scale •••• 7) 13″ x 19″ and 2) 9-½″ x 13″ sheets	$11
	**Bridge - 50′ King-Post Through Truss** •••• Designed as a through bridge, as built picture distinction shows a pony version. Construct for indoor or outdoor railroad gardens. **Plan-Set** includes: 4) 13″ x 19″ super **B** sheets and containing full size drawings, material lists and 4) 9-½″ x 13″ super **A** sheets; which include scale conversions to other scales. ***Add a bridge with your trestle.***	$10
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales		

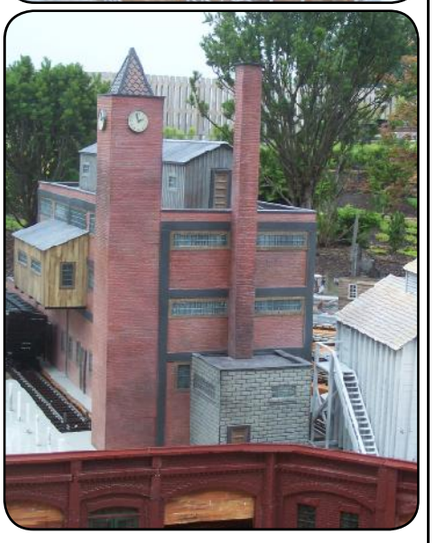
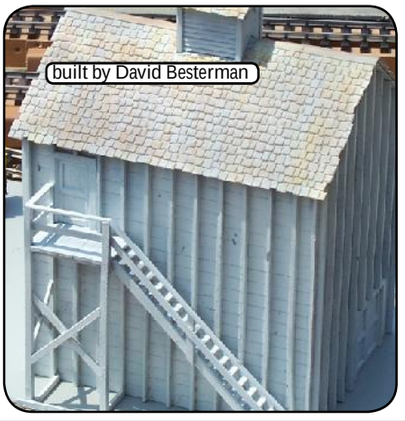
DRAWING or PICTURE	CONTENTS	COSTS
	**Bridge - 72′ Queen Post Pony Truss** •••• Designed for two tracks. obviously it can be built for a single track. 36″ long for 1:24 scale modeling. **Plan-Set** includes: 4) 13″x 19″ super **B** size drawing, and 2) 9-½″ x 13″ super **A** size sheets on scale conversions to other scales. 	$10
 	**Bridges - Howe Single & Double Track Timber Box Truss** •••• This prototypical bridge would have been common in the last quarter of the 19th century and if well maintained lasted well into the 20th century. **Plan-sets** as designed is 127′ (63-½″) long, options include: 67′ (33-½″), 77′ (38-½″), 117′ (58-½″), 137′ (68-½″) and 147′ (73-½″) versions. Pile and stacked timber pier options are shown. Material Lists for indoor and outdoor railroad gardens. Full size templates, with 3-D renderings. **Plan-Set** Single Track Deck Bridge includes: 10) 13″ x 19″ super **B** sheets & 2) 9-½″ x 13″ super **A** sheets. Double Track Through Bridge includes: 21) super **B** sheets & 2) 9-½″ x 13″ super **A** sheets. **Booklets** •••• Includes: acceptable garden RR materials and adhesives. Diagonal Socket, painting and weathering instructions. 12) super **A** sheets included for Bridges. **O Scale** •••• Includes 5) super **B** sheets & 1) 9-½″ x 13″ super **A** sheets	1-Track Deck **Plan-Set** only $16 2-Track Through **Plan-Set** only $26 **Bridges** with **Booklets** $20 to $29 **O Scale $11**
 built by Chris Baatson	**Bridge - 144′ Whipple Bowstring Wood Truss** •••• Designed for two tracks, obviously it can be built for a single track. 36″ x 26-½″ depending on the height of a trestle pier used. **UNDER CONSTRUCTION**	U/C
	**Bucket - Coal** •••• This free **B** size "drawing" consists of construction pictures and instructions on how to solder brass Coaling Buckets for a Coal Bucket facility. Styrene would be an alternative material. Instructions, photos are on 1) 13″ x 19″ super **B** size sheet with scale rivets for a fine scale model, eMailed free. NOTE: When gluing in rivets you'll probably ask yourself is this really worth it? YES it is! Wait until you paint your buckets. The rivets will jump and pop out at you. This will result in the best looking Coal Buckets you have ever seen!	eMailed **free** or $4.00
	**Bucket - Fire** •••• Fire Buckets at the turn of the century were often cone shaped so employees were discouraged from removing them from a factory for use at their home. Instructions, photo and plans are on 1) 9-½″ x 13″ **A** size sheet with a material list to construct is the plan itself. Downloaded **free** 1) super **A** size sheet, eMailed free.	eMailed **free** or $3.75
	**Buggy - Steel Lumber Sorting** •••• The prototype for this Lumber Cart is located at the Crowell Lumber Ind. Sawmill in Longleaf, LA. This saw mill operated into the 1960's which would make this design appropriate for later operating saw mills. **Plan-Set** includes: 4) 8-½″ x 11″ ANSI A size sheets with a material list for fine scale brass construction or styrene would be an alternative material.	$5.50
	**Buggy - Wood Lumber Sorting** •••• The prototype for this Lumber Cart is located at the Rhinelander Logging Museum in Rhinelander, WI. These Lumber Carts are appropriate for any Sawmill, Planning Mills, or Box Factories operating at the turn of the last century and later. Sawmills would use dozens of these carts along the Assorting Chain Platform. **Plan-Set** includes: 2) 8-½″ x 11″ A size drawing.	$5
Purchase both Steel and Wood Lumber Cart **Plan-Sets** and build a hybrid Wood Cart with Steel wheels. **Save $3.50.**		$7

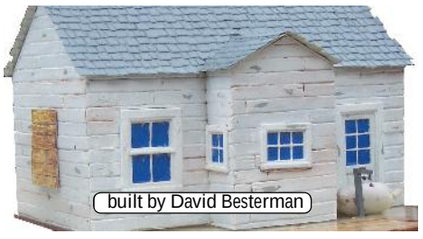
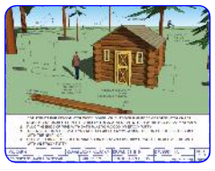
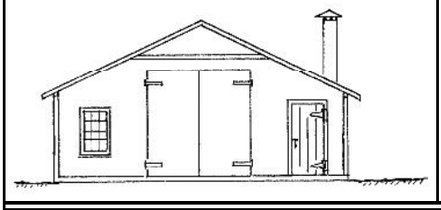
DRAWING or PICTURE	CONTENTS	COSTS
	**Cart - Parts** •••• This dainty cart flat bed is ¾″ x 1-½″. Every layout needs a cart for moving small items. This cart can be seen in the VCLCo Engine House and the Wagon Works factory. **Plan-Set** includes: 2) 8-½″ x 11″ ANSI A size sheet with suggested materials.	$5
	**Cart - Tank** •••• This model would be used to fight fires at a Factory or a woods fire. Or, as a weed sprayer. Picture shows a Visible (manual pump) gas pump that could have been found in the 1920's, which is not covered within this **Plan-Set**. Footprint 2-⅝″ x 1-⅞″. 1) 8-½″ x 11″ ANSI A size sheet is all that is needed which lists suggested materials. 	$5
		Purchase both Parts and Tank Cart **Plan-Sets**. **Save $4.** $6
 	**Catalogue - VCLCo Plan-Sets** •••• An alphabetical hard copy of this list of over 100 **Plan-Sets**, most 1:24 scale, a few 1:87, 1:48, 1:32, 1:20.3, 1:22.5, 1;13.7 & 1:12 scale **Plan-Sets** some free, a couple layout designs. Downloaded the **free** 28 page catalogue from www.VCLCo.com. Large formatted 9-½″ x 13″ 40) page copy eMailed free, or purchase a spiral bound copy for $30.	eMailed **free** or $19 1st Class
Popular Large Scale Model Train Scales Full Scale | 1/2″ scale | G scale | F scale | 7/8″ scale 1:1 | 1:24 | 1:22.5 | 1:20.3 | 1:13.7	**Chart - ½″ Scale Comparison** •••• Converts 1:24 scale dimensions to G scale (1:22.5), F scale(1:20.3) & 7/8 scale (1:13.7). Download or eMailed 1) 9-½″ x 13″ **A** size sheet **free**.	**free** or $4.50
1/2″ SCALE CONVERSIONS TO OTHER POPULAR SCALES SCALE NAME | COMMON DESIGNATION | 1/SCALE INCH EQUALS' | COMMON MODELING | TO CONVERT 1/24 SCALE DRAWINGS WITH A COPIER | TO CONVERT 1/24 SCALE DIMENSIONS WITH A CALCULATOR Gn15 | 1:8 | 8.67″ | 15″ gauge trains* | increase to 283% | multiply by 2.833 1″ | 1:12 | 12″ | Doll houses | increase to 200% | multiply by 2.000 ½″ | 1:12.7 | 13.55″ | 2″ gauge trains* | increase to 177% | multiply by 1.771 Gn30 | 1:16.9 | 16.95″ | 2.5″ gauge trains* | increase to 142% | multiply by 1.418 16 mm | 1:19.1 | 19.06″ | 2″ gauge trains** | increase to 126% | multiply by 1.260 Fn3 | 1:20.3 | 20.32″ | 3″ gauge trains* | increase to 118% | multiply by 1.181 F | 1:22.5 | 22.22″ | 3 m gauge trains* | increase to 108% | multiply by 1.080 ½″ | 1:24 | 24″ | Doll houses & Trains | 100% | multiply by 1.000 Gn48 | 1:32 | 37.80″ | 4″ gauge trains* | reduce to 89% | multiply by .886 | 1:39 | 39″ | Large scale trains | reduce to 83% | multiply by .828 | 1:40 | 40″ | 54 mm Military | reduce to 80% | multiply by .800 26″ | 1:42 | 41.89″ | LS std. gauge trains* | reduce to 79% | multiply by .783 O | 1:48 | 48.26″ | Doll house & trains | reduce to 55% | multiply by .555 | 1:54 | 54″ | 54 mm Military | reduce to 44% | multiply by .444 S | 1:64 | 64.06″ | Trains (3″ gauge) & 54 mm Military | reduce to 37% | multiply by .375 OO | 1:76.2 | 76.19″ | Trains | reduce to 32% | multiply by .315 | 1:80.5 | 80.5″ | 20 mm gauge trains | reduce to 30% | multiply by .298 HO | 1:87.1 | 86.96″ | Trains | reduce to 28% | multiply by .276	**Chart - ½″ Scale Conversion to 22 Popular Scales** •••• Designs being offered are often drawn in 1:24 scale, which has a scale name of "Half Inch." In other words 1 inch of a model equals 24 inches full (real time) scale. This Scale Conversion Chart lists the factors for converting 1:24 scale dimensions to popular scales from 1:8 to 1:220 (includes Gn15, 1", 7/8", Gn30, Fn3, S, OO, HO, TT, N, Z) for measurements or when making copies of our drawings to print full scale for modeling in other scales. Download or eMailed 1) 9-½″ x 13″ super **A** size sheet. download or eMailed **free**.	**download or eMailed free** or $3.75
	**Chart - Fractions, Decimals, & Millimeters** •••• We use a decimal inch for dimensioning because it allows for a slightly more accurate modeling, especially when converting to other scales when compared to fractions. Calipers read in the decimal inch format. I use the General Tools Mfg. Co. decimal inch ruler, which is available at better hardware stores. Download or eMailed 1) 9-½″ x 13″ super **A** size sheet **free**.	**free** or $4.50
	**Depot - C&N-WRy #2 Freight & Passenger** •••• This is the mid-size standard C&N-W Ry turn of the last century depot found at junctions and larger towns. It was also used by M&StL and CStPM&ORy. This depot has an Office, Freight, Registration and a Waiting Room. The prototype for this depot was located in Mercer, WI. Footprint; depot 36″ x 9-½″. Platform is 42″ long. **Plan-Set** consists of: 8) 13″ x 19″ super **B**, and 2) 9-½″ x 13″ super **A** size sheets which include a RR garden material lists. $14 Booklet consists of 8) 9-½″ x 13″ super **A** size sheets with prototypical information of this Depot in Mercer, WI and a Weathering Clinic. $17	
	**Depot - C&N-WRy #3 Freight & Passenger** •••• This is the smallest Standard C&N-W Ry turn of the century depot found at the end of spurs and at "Whistle Stops." It was also used by the CStPM&O Ry. This depot has an Office, Freight and Waiting Rooms. The prototype for this depot was located in Vilas Co., WI. Footprint; depot 20″ x 8″ with a 65″ platform and CNW Standard 3-hole Water Closet. Reduce the platform size if you don't have all that room. **Plan-Set** consists of 7) 13″ x 19″ super **B** and 2) 9-½″ x 13″ super **A** size sheets with interior and exterior material lists.	$13

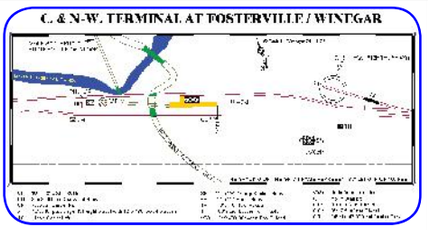
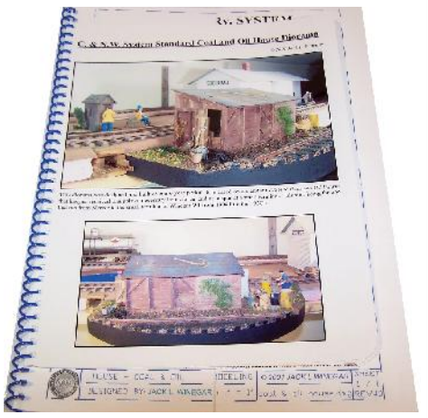
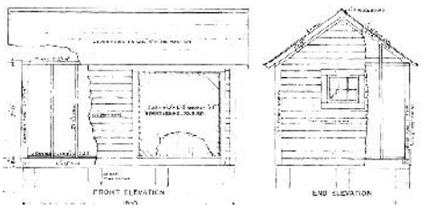
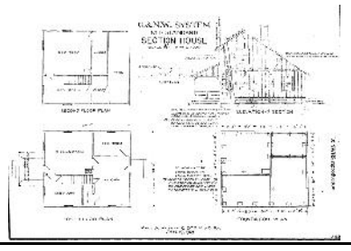
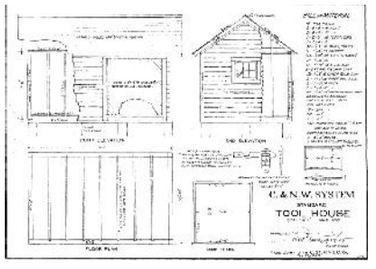
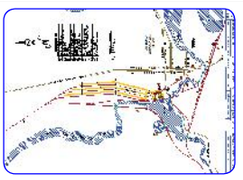
DRAWING or PICTURE	CONTENTS	COSTS
 built by David Besterman	**Depot - Passenger** •••• This easy to construct building would be appropriate for a small whistle stop depot. It is an appropriate first project if you have not had the experience of working with foam board and textured patterned styrene. Footprint is 7-¾″ x 11″. **Plan-Set** include 1) super **B** size, 2) super **A** sheets. **Spiral bound Booklet with Plan-Set** includes recommend textured patterned styrene on exterior foam board on 12) super **A** sheets.	$8 $12
	**Depot - GC&SF RR Combination** •••• A late 1800 Gulf, Colorado & Santa Fe RR (which became the Atchison, Topeka & Santa Fe RR System) at Farmersville, Texas depot. This single-story frame depot is surrounded by platforms. One end of the building was used for passenger service with a gentlemen's and a ladies' Waiting Room with low platforms, while the other end is a large Freight Room and Baggage Room with high platforms. Between the two is a small Express Office. Basic footprint 69″ x 17″, wide with 109″ prototypical platforms. Length can easily be reduced by 13-3/8″ lengths. **Plan-Set** ONLY consists of: 4) 13″ x 19″ super **B** size sheet with a material list for indoor finescale layouts and railroad gardens plus 2) 9-½″ x 13″ super **A** sheets. **Booklet with Plan-Set** includes 4) 13″ x 19″ super **B** and 10) 9-½″ x 13″ super **A** sheets with additional illustrated construction details.	$10 $14
 built by William Test	**Depot - 1865 Michigan Central RR Passenger** •••• This is the first MC RR (later merged with the NYC) Depot in Michigan City, IN. This was the depot that was in Michigan City when Abraham Lincoln's Funeral Train stopped on May 1, 1865 on its way to Springfield, IL. It has a central ticket office with large Gentlemen's and Ladies waiting rooms. There is no similar available commercial Depots to this unique Depot. Footprint 50″ x 18-½″. **Plan-Set** includes: 2) 13″ x 19″ super **B**, and 3) 8-½″ x 11″ **A** size Bill-of-Material for indoor and/or RR gardens. Included are photos of finished depot with 3-D construction renderings for foam board construction.	$9
	**Depot - Monon RR Freight House** •••• This unique Freight House was in Michigan City, IN in on May 1, 1865 when Abraham Lincoln's Funeral train stopped on its way to Springfield, IL. And, can still be found in Michigan City today. Footprint 100″ x 30″ with the length easily reduced in increments of 12″. **Plan-Set** includes: 8) 13″ x 19″ super **B** size and 2) super **A** size sheets **Booklet** •••• with instructions on materials, finishing and weathering includes: 14) super **A** size sheets for foam board construction.	$14 $19
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales.		
	**Derrick - Wood** •••• Such vintage Derricks could be found at large rock quarries across North America and elsewhere. Construct for indoor or outdoor railroad gardens with the same materials that they were built with over 100 years ago. **Plan-Set** includes: 5) 13″ x 19″ super **B**, and 3) super **A** size sheets, a material list, construction recommendations, operation diagram and finished derrick photos.	$12
	Derrick - Steel Lattice •••• These Derricks replaced wood derricks as they broke and less expensive steel became available at the turn of last century. This ia a finescale model using commercial available brass shapes. 13) 13″ x 19″ super **B** size and 1) 9-½″ x 13″ super **A** size sheet, which also includes full scale templates.	$19
	Derricks - Combination Steel and Wood •••• It was not uncommon when wooden masts and booms broke or finally reached their useful life, steel replacements were fabricated. Purchase both **Plan-Sets** includes: 18) super **B** size sheets to create a combination. **Save $9**	$23

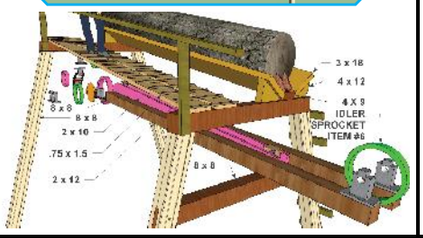
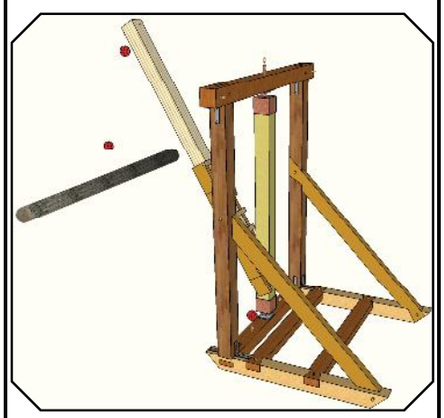
DRAWING or PICTURE	CONTENTS	COSTS
	**Footprint Layout - Urban Grain Elevator Complex** •••• includes; Closed Storage Out Building, Scale House, and Open Ended Shed, Buildings. Also shown is an open barge for hauling grain. Drawing is one 13″ x 19″ super **B** size sheet. Downloaded **free,** or eMailed free. **--free download available--**	eMailed **free** or $3.50
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales		
Your source of Grain Elevator Structures Grain Elevators provide a reason for a train stop with animation of a filling spout filling grain cars as the train indexes filling rail car after rail car.		
	**Elevator - Urban "Big City" Grain** •••• The prototype for this Grain Elevator can be seen in an archived Chicago, IL water front photo. Most Urban Elevators were much larger than this model. They were usually located along rivers for cheaper Open Barge transportation costs. Using my "Modeling License" I selectively compressed the prototype size. If your Modeling license is current, you can do the same with this **Plan-Set**. Footprint as designed is 78-¾″ x 23-½″. **Plan-Set** includes: 6) 13″ x 19″ super **B**, and 2) 9-½″ x 13″ super **A** size sheets, a material list is for indoor or outdoor railroad gardens, painting recommendations, 3-D renderings are included.	$12
The following are companion structures could be found with any Grain Elevator location.		
built by David Besterman 	**House - Scale** •••• This easy to model building would be appropriate with any Grain Elevator for weighing farm trucks and wagons. Footprint is 7-¾″ x 11″. **Plan-Set** includes 2) 13″ x 19″ super **B** with 6) 9-½″ x 13″ super **A** recommend material of textured styrene.	$11
built by Ron Whittingham 	**Shed - Small Closed** •••• A very simple "out building" at a an Elevator complex. Footprint is 8″ x 4″ in 1:24 scale. **Plan-Set** includes: 1) super **B** and 6) 9-½″ x 13″ super **A** size sheet with the recommend material for indoor or outdoor railroad gardens with instructions.	$8
	**Shed - Open Ended** •••• A very simple "out building" at a any Elevator complex. Footprint is 5″ x 6″ in 1:24 scale. Fill with clutter including; bags, broken stuff, crates, hand tools. **Plan-Set** includes 1) super **B** size and 2) super **A** size sheet sheets with a material list.	$6
	**Barge - Open Grain** •••• **Plan-Set** illustrates how to build this barge plank by plank for indoor or outdoor railroad gardens. **Plan-Set** includes: 5) super **B** size, full size hull templates with a material list.	$13
	**Wagon - Flare-Type, Grain Tight Farm** •••• The "Flare-Type" Wagon is a variation of the boxes found on farms to bring grain to Elevators. **Plan-Set** includes: 11) super **B**, 2) 9-½″ x 13″ super **A** size sheets which include Bill of Materials, 3-D renderings.	$19
Purchase all five (5) of the above structures, 20) super B and 9) A size sheets and save		$50
	**Factory - Acme Anvil** •••• This will make an interesting frame building which could have been built in any era as an industrial factory or a generic residential building. Plans show construction with milled basswood siding for indoor layouts and textured pattern styrene for a Railroad garden. Footprint as designed is 24″ x 16″ **Plan-Set** includes; 6) 13″ x 19″ super **B**, and 2) 9-½″ x 13″ super **A** size sheets with an indoor and railroad garden material list. **Acme Anvil Factory Booklet** •••• 6) super **B** drawings with 18) super **A** size pages, adhesive, painting and weathering recommendations.	$10 $18
Why the name "Acme Anvil"? I've used anvils as details in many vignettes and obviously, they need to be manufactured somewhere!		

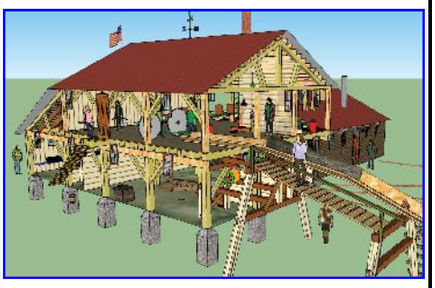
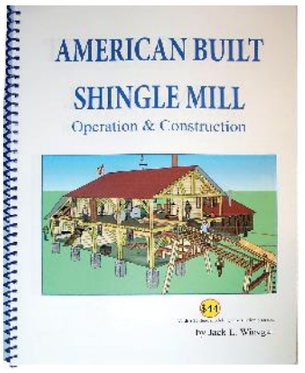
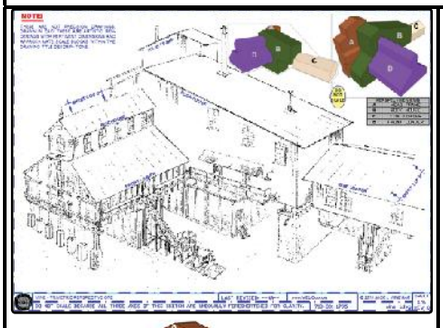
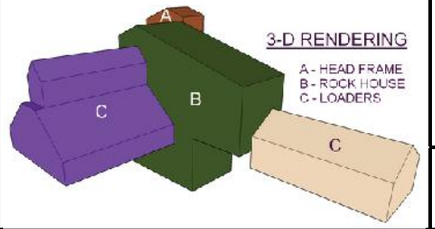
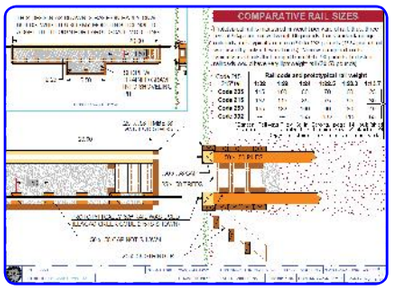
DRAWING or PICTURE	CONTENTS	COSTS
 	**Elevator - Farm Town Grain** •••• Such Grain Elevators were found throughout all the farming areas in North America next to railroad tracks. They were known as prairie skyscrapers because they were taller than any other structure on the Great Plains. Farmer Co-ops used these elevators to pool their grains for better pricing from the grain buyers. Grain buyers were notorious for undercutting individual farmers. Footprint as designed is 20-¾″ x 15-½″. Construct for indoor or outdoor railroad gardens. **Plan-Set** includes: 5) 13″ x 19″ super **B** drawings and 2) 9-½″ x 13″ super **A** size material list. (*Please forgive me for taking the picture with a reefer.*) **Farm Town Grain Spiral Bound Booklet** - •••• 5) 13″ x 19″ super **B** drawings with 20) 9-½″ x 13″ super **A** size sheets, a material list for outdoor use, painting recommendations, construction photos, with an operation schematic. ***SUPER* Spiral Bound Booklet** •••• 16) 13″ x 19″ super **B** drawings with 22) 9-½″ x 13″ super **A** size sheets, a material list for indoor or outdoor layouts, painting recommendations, construction photos, with an operation schematic for: Farm Town Grain Elevator, Flare-Type, Grain Tight Farm Wagon **Plan-Sets** and a **Plan-Set** for a jig to build model wagon wheels.	$11 $19 $29
	**Urban Wharf Area Footprint** •••• includes; Barges, Boats, Lumber Yards, 3-Story Packing Plant, Piers, Ramp, Stockyards, Urban Grain Elevator, RR terminal, Urban Street Buildings, a Warehouse., and a list of more typical urban buildings. Drawing is one super **B** size sheet. Downloaded **free** 1) 13″ x 19″ super B size sheet. Downloaded **free,** or eMailed free. **--free download available--**	eMailed free or $3.50
	**Factory - Bow Roof** •••• The prototype for this factory is the McNeely limestone quarry planning mill in Adams, IN. As a generic factory it would look good in any industrial setting. As modeled here, it is shown with weathered wood siding as built in the late 1800's. It survives today clad in rusty corrugated steel. Basic footprint is 64″ x 24″. Building options include the 5″ x 10″ Powerhouse, shown here and a 32″ x 24″ lean-to addition, not modeled here. This factory can be used to house rolling stock in an outdoor environment. **Plan-Set** includes: 5) 13″ x 19″ super **B**, and 2) 9-½″ x 13″ **A** super size sheets, a material list for outdoor use, with textured styrene and foam board plus finished photos with 3-D renderings. A full scale bow roof template is included. **Bow Roof Factory Booklet** •••• 5) super **B** drawings with 18) super **A** size sheets, painting and weathering recommendations, and photos.	$11 $18
Factories, and Warehouses are a great way to provide your railroad with more opportunities for operation and switching.		
	**Meat Packing Factory Complex Footprint Layout** •••• includes; Animal Pens, Boiler House, Covered Stock Bridge, 3-Story Free-lance Packing Factory, and Ice House, Stock Ramps, Reefer Icing Platform and a pile of coal. Drawing is 1) 13″ x 19″ super **B** size sheet. Downloaded **free,** or eMailed free. **--free download available--**	eMailed free or $3.50

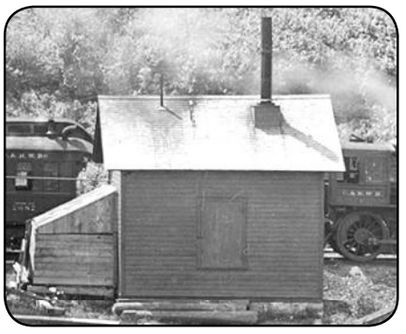
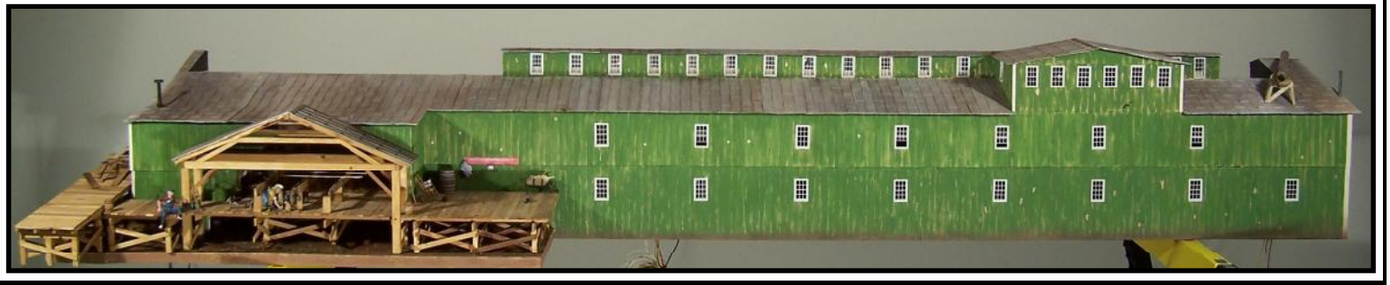
DRAWING or PICTURE	CONTENTS	COSTS
 built by William Test 	**Factory - 3-Story** •••• This factories elements include; a bridge, lean-to, office, penthouse, power house and a clock tower. This building can be built without any of these elements for an even more unique model. Used as a Packing Plant in the Meat Packing Complex as shown or any industrial complex. Footprint 68″ x 19″ as designed. Cattle, sheep, pigs, goats, etc. arrived on a railroad spur in front of the plant in Stock Cars. Herded into pens and up a ramp (not shown) to enter the second story by the clock tower/elevator shaft. Another RR spur is located behind the plant for shipping the meat products in Reefer RR cars to markets across the country. You can see at the corner of the plant behind the Clock Tower the whitewashed (reflects the suns heat) **Ice House** which supplied blocks of ice for the Reefer railroad cars off of a Icing Platform. This 3-Story Factory was originally built with a masonry power house and a clock tower. Clock Towers were designed into many large factories so employees could see what time it was from a distant, and get to work on time for a 10-hour work day! This factory had many additions over the years which include; a bridge, a lean-to, an office building, and a penthouse that can or not built by the modeler. **Plan-Set** include: 9) 13″ x 19″ super **B**, and 2) 9-½″ x 13 **A** super size sheets, which include a material list for construction with foam board and textured styrene for indoor or outdoor RR gardens. **3-Story Factory Booklet** •••• 9) super **B** drawings with 28) super **A** size sheets, painting and weathering recommendations, and photos. Purchase the **Factory Booklet** & **Ice House** combo and save $5.00	$16 Factory Plan-Set $21 Booklet & Plan-Set $26 Factory & Ice House Combo
 built by David Besterman	**House - Ice** •••• This is a freelance standalone building which can be use with the “Three Story Generic Factory” to supply ice for reefers shipping products across the continent. Also included on the sheets is an Ice Platform. Ice houses were found near a water supply where the ice could be cut into blocks in the winter. Since this was before “refrigeration” the insulating values of Ice House walls was very important. Studs were placed on the outside of walls because studs didn’t have the insulating value of the state of the art insulation of the day, saw dust. Also note no windows, small doors and a cupola to let summer heat out. Footprint is 9-½″ x 12″ with a 27″ long Icing Platform. **Plan-Set** includes: 5) super **B** and 4) super **A** size sheets which includes a material list and 3-D construction rendering.	$11
NO indoor or railroad garden layout has enough small buildings.		
	**Hall - Winegar’s Dance & Pool** •••• Winegar’s Hall was built in 1911 and was the social center / community building for the small village of Winegar, WI where you could purchase ice cream, soft drinks, adult beverages, play pool or billiards, and on weekends dance or see a silent movie. In the back was a Barber Sop where you could get your shoes shined before the dance. “L” footprint was 52′ x 80′. **-- under construction --**	U/C
	**Home - 1-Story Company Town** •••• This is the basic home provided for those working for the VCLCo. Rent was deducted from employees salary. Footprint is 18′ x 24′. **UNDER CONSTRUCTION** In 1913 there were 47 Company Homes in Winegar, 72 in 1916 and 80 in 1926 at the height of logging for the VCLCo. Painted Green or white depending who was running the VCLCo.	U/C

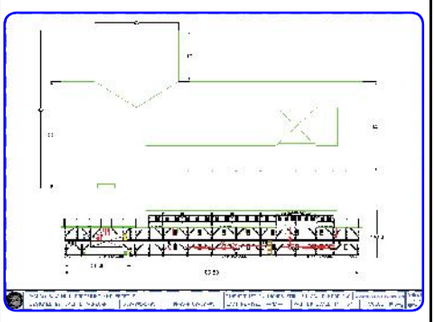
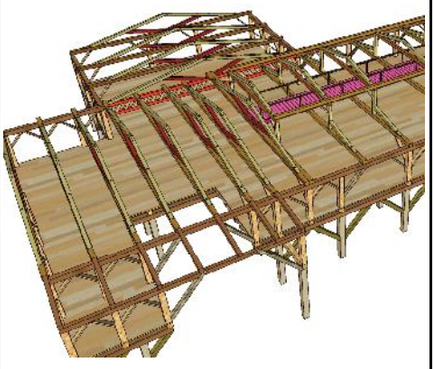
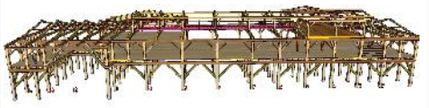
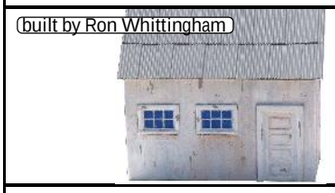
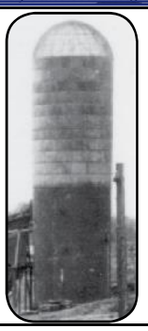
DRAWING or PICTURE	CONTENTS	COSTS
	**Home - 2-Story Company Town ••••** This "Company Home" is the largest of the two homes provided by the VCLCo. Rent was deducted from employees salary. Plans will provide the different options residents incorporated into their homes such as porches, "L's" and build outs. Basic footpint is 20′ x 28′. **UNDER CONSTRUCTION**	U/C
	**Home - VCLCo President's ••••** This was the home of the VCLCo's President, William S. Winegar. 1st was John J. Foster, from 1905-1910, 2nd William S. Winegar from 1910 -1920. Obviously it is a typical home from the turn of last century. Footprint is 30′ x 52′. **-- under construction --**	U/C
	**Hotel - De Foster ••••** This is the boarding house where new employees would stay until a permanent resident could be established and for Lumber Jacks that came out of the pinery on weekends. Renamed and expanded into Fremsted Boarding House. This Hotel/Boarding House was know for its dinning room, especially when waiting for the next train to arrive from Mercer, WI. Basic footprint 30′ x 110′ with the 25′ x 30′ "L" dining area.	U/C
	**Home - VCLCo Superintendent's ••••** This was the home of the VCLCo's Superintendent, 1st Henry E. Daily, 2nd Richard Shier. This is a typical home that could have been found in a any tow a 100 years ago. Foot pint is 32′ x 52′. The following men report to the superintendent: Mill Foremen, Master Mechanic, Lumber Grader, Yard Foreman, Barn Foreman, Woods Foreman, Bookkeeper, Shipping and Supply Clerks. **-- under construction --**	U/C
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales.		
 built by David Besterman	**House - Scale ••••** This easy to model building would be appropriate with a Coal Yard, Grain Elevator, Scrap Dealer, RR Yard or other industry requiring the weighing of trucks, wagons, RR cars, or just a generic building or house for any time frame or, maybe even a small depot, use your imagination. Footprint is 7-¾″ x 11″. **Plan-Set** includes: 2) 13″ x 19″ super **B**, and 6) 9-½″ x 13″ super **A** size sheets with the recommend material of textured styrene.	$11
 built by Ron Whittingham	**House - Small Shed Roof ••••** A very simple first project in any scale with a footprint of 8″ x 4″ in 1:24 scale that can be used on every layout. **Plan-Set** includes: 1) 13″ x 19″ super **B** and 6) 9-½″ x 13″ super uper **A** size sheet with the recommend material for indoor or outdoor railroad gardens with instructions.	$8
	**Cabins - Three (3) Logging ••••** No RR garden has enough small buildings. These are nice looking log cabins with commercial door and windows are inserted into log walls. Use wood dowel for indoor use or cheap plastic pipe for a railroad garden. Footprints: 6″ x 6″, 8″ x 11-¾″ & 8″ x 15" with a 5″ x 7″ jut out. 3) super **B** size sheets.	$8
	**Shop - Woods Blacksmith ••••** A simple project that could also be found ia a woods logging camp to keep the lumberjacks tools in working condition. include some simple interior details such as a forge, a drill press a bench and lots of clutter. Footprint of 13″ x 13″ in 1:24 scale. **UNDER CONSTRUCTION**	U/C

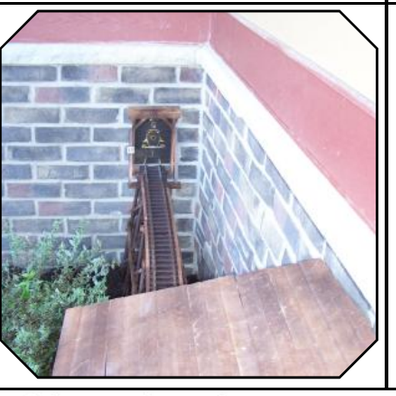
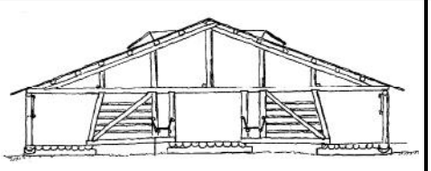
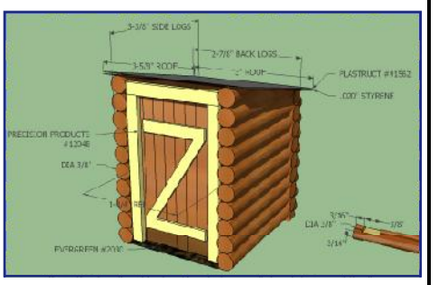
DRAWING or PICTURE	CONTENTS	COSTS
	**Footprint Layout - C. & N-W. Ry Small Terminal** **** includes; Coal House, Coal & Oil House, Culvert, Depot, Hand Car set off, 2-story Section House, 130′ Freight & Passenger Platform, Tool House, 60′ Turn Table with a Cinder Pit, Well Pit, Water closets and a 47,000 gallon Water Tank. Drawing is 1) **A** size sheet. Downloaded **free** 1) 9-½″ x 13″ super **A** size sheet.	eMailed free or $3.50
	**Shed - CNW Ry Coal & Oil** •••• This a C. & N-W. Ry 1914 Standard Coal & Oil House that would have been found at small terminal complexes. Footprint is 9″ x 4″. **Plan-Set** includes 1) super **B** size and 2) super **A** sheets.  **Booklet & Plan-Set** •••• 1) super **B** size plus 10) 9-½″ x 13″ **A** size pages with a material list, spiral bound booklet, with 20 illustrations detailing how this award winning, very detailed model was built.	$6 $12
	**House - CNW Ry Coal Storage** •••• This structures footprint is 10′ x 16′ and could hold maybe 16-tons of coal and would be suitable on almost any railroad. Coal Storage Houses were used as storage facilities for heating fuel for Depots, Pump Houses, etc. These structures were used for general storage after their useful life for coal storage had expired. -- under construction --	U/C
	Jail •••• Small Jails such as the one shown could be found in small Company Towns. The one in Winegar, WI has only been documented as being used once! Footprint is 5″ x 8″ in 1:24 scale.	U/C
	**House - CNW Ry Section** •••• This CNW standard #1, 2-story, 6 room, 24′ x 28′ Section House. This is a dwelling built by the CNW for the Section Foreman and his laborers and possibly their families. And, maybe even furnished by the CNW. Residents either paid a nominal rate or had the rent deducted from their salary. Many, also included a Coal Shed, Chicken Coop Shed and of coarse a Privy. -- under construction --	U/C
	**House - CNW Ry Tool** •••• This CNW standard 10′ x 16′ tool house was used to house tools and other equipment for the maintenance of track and right-of-way by section gangs. These small buildings were seldom spaced more than 10 miles apart and were often closer as conditions warranted. Built to be portable, when conditions changed they could be loaded on a flat car and moved to a new location. Several of these easy to build structures would fit in many layouts. -- under construction --	U/C
	**Footprint Layout - VCLCo Saw Mill Complex** •••• This is the footprint drawing of the Vilas County Lumber Co. in Winegar, WI, 1918 ca. 20 of the mill buildings are identified with some of the individual buildings footprint dimensions. Drawing is one super **B** size sheet. Downloaded **free** 1) super **B** size sheet.	eMailed free or $3.50
	**House - Boiler** •••• This Boiler House supplied electricity to the VCLCo mill complex including the Drying Yard and the Company Town plus steam the Sawmill. Footprint was 50′ x 100′. -- under construction --	U/C

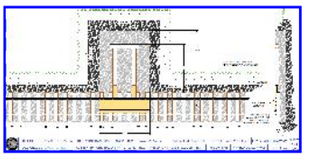
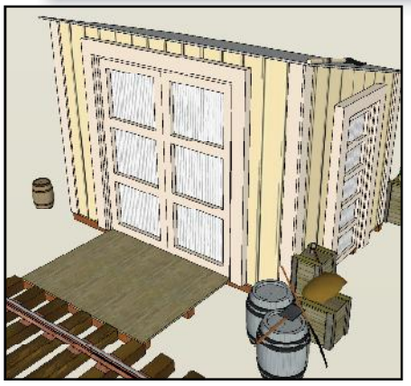
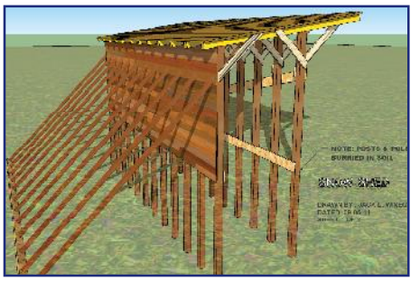
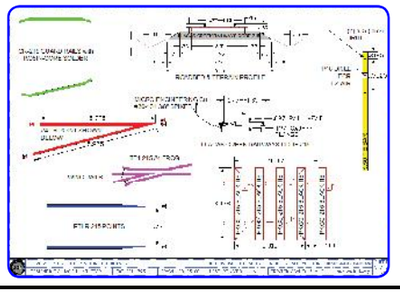
DRAWING or PICTURE	CONTENTS	COSTS
	**House - Single Stall Engine (with Blacksmith Forge within a Lean-To)** **** This design is based on the VCLCo Engine House which serviced the Lumber Co. Shays and CNW engines that operated on the spur to Winegar, WI. Basic footprint is 27-½″ x 7-3¾″, with 16-¼″ x 5-¼″ Blacksmith offset lean-to. **Plan-Set** only includes: 8) 13″ x 19″ super **B** sheets, 2) 9-½″ x 13″ super **A** a Material List Includes instructions on how to build triple hung windows and make the doors mechanically open automatically as an engine rolls in. **Enginehouse Booklet** •••• with an additional 24) 9-½″ x 13″ super **A** size pages with construction instructions including adhesives, painting weathering, with lots of very detailed construction photos.	$14 $23 with Plan-Set
 	**Jack Ladder** •••• This **Plan-Set** includes two options. One design is based on available prototype equipment from a 1911 Saw Mill Catalog, the other from prototypical photos. The material list shows where the chain, pulleys, gears and sprockets can be purchased commercially. **Plan-Set** consists of 2) 13″ x 19″ super **B** sheets. The plans show numerous 3-D renderings for easy construction. **Jack Ladder 1:24 scale Plan-Set** •••• 1:24 scale as described above, but with, 2) super **B** and 2) 9-½″ x 13″ super **A** pages. All sheets intended for laying out bents are printed 1″ = 1″. Jack Ladder 1:20.3 scale Plan-Set •••• 1:20.3 scale as described above, but with 4) 13″ x 19″ super B sheets, 2) 9-½″ x 13″ super **A**. All sheets intended for laying out bents are printed 1″ = 1″.	$7 $9
	**Jammer - Woods** •••• Or, technically referred to as a “Swing Gin Pole Side Jammer.” Jammers were used in the pinery to load flat cars, logging sleighs and log wagons. This Jammer is based on the Swing Gin Pole Jammer manufactured by the National Iron Company of Duluth, MN. Horse teams were usually used to operate Jammers, Steam Donkeys could also be used. Such Jammers were used throughout the logging era until machines completely replaced horses. The **Plan-Set** for 1:24 scale includes 5) 13″ x 19″ super **B** and 2) super **A** sheets with elements drawn full size 1″ = 1″. The plans show 3-D renderings and a material list for easy construction. The above **Side Haul Woods Jammer** dimensioned and printed for 1:20.3 modeling includes 6) 13″ x 19″ super **B** and 2) 9-½″ x 13″ super **A** sheet intended for laying out the end view is printed 1″ = 1″.	$11 $11
	**Mill - Planning** •••• Manufactured dry rough lumber into finished sizes for the market. Footprint was 50′ x 70′. **-- under construction --**	U/C

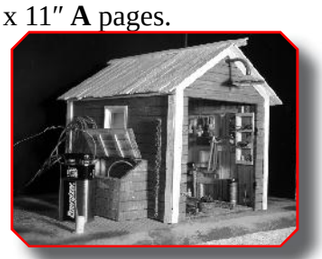
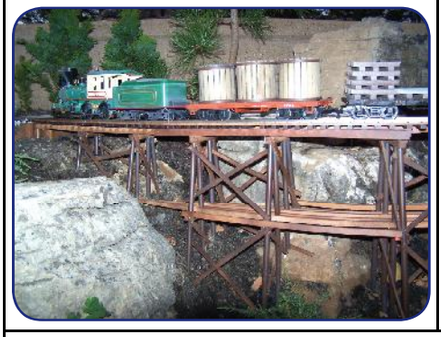
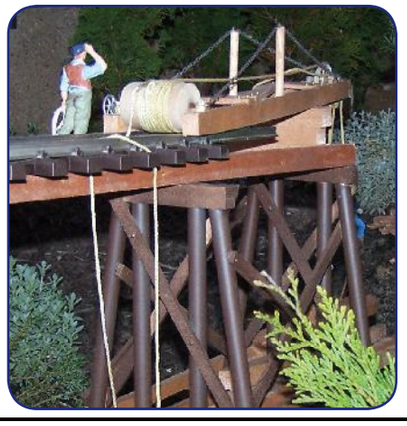
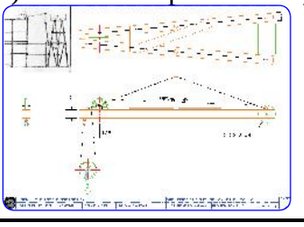
DRAWING or PICTURE	CONTENTS	COSTS
  	**Mill - American Built Shingle** •••• The prototype is a Shingle Mill in northern Wisconsin, but would make an interesting timber frame factory in any industrial complex. **Plan-Set** shows prototypical post and beam construction with batten on board siding. This model would look great as an optional open model to see the optional 100 commercial details listed or viewed through the windows. There is an attached Lean-To where shingles were packed, a Shipping Shed, a brick Power House and a Jack Ladder. Footprint as designed 26-5/16″ x 17-3/16″ with a 17″ x 15″ "L" Power House. **Plan-Set** includes: 12) 13″ x 19″ super **B** and 2) 9-½″ x 13″ super **A** pages. Sheets are printed 1″=1-½″. Included are an Operations Schematic. The Material List includes milled basswood for an indoor layout, textured patterned styrene for RR gardens. $17 **Shingle Mill** 1:87.1 scale **Plan-Set** •••• 1:87.1 as described above. 8) super **B** sheets. All sheets printed 1″ = 1″, plus..... $12 **Shingle Mill 1:24 scale Plan-Set** only printed 1″ = 1″ •••• 1:24 as described above but with 39) 13″ x 19″ super **B** sheets. All sheets intended for laying out bents are printed full scale. $28 **Shingle Mill 1:20.3 scale Plan-Set** only printed 1″ = 1″•••• 1:20.3 scale as described above with a footprint as designed 31″ x 20-1/8″ with a 20-1/16″ x 17-11/16″ "L" Power House. Plans include 28) super **B** sheets. All bent sheets are printed full scale. $40	$17 $12 U/C $40
	American Built Shingle Mill Book •••• 36) 9-½″ x 13″ page spiral bound book on the operation of an American Shingle Mill.	$26 Book ONLY
	American Built Shingle Mill Book & Plan-Set •••• The 44 page above operation and construction booklet plus 12) 1:24 scale 13″ x 19″ super **B** sheets construction and modeling **Plan-Set**. --save $2--	$41 Book and Plan-Set
Mills, and Mines are a great way to provide your Railroad with more opportunities for operation and switching.		
 	**Ore Mine** •••• HO, S, O, G, 1/2", F, 7/8", 1" etc. etc. scales •••• This **Plan-Set** is dimensioned prototypically with all the major dimensions for the modeler interested in building a; coal, copper, gold, lead, quartz, silver, or zinc, etc. mine diorama for a layout. Shown are Ore Car loaders, but this could easily be converted for trucks, plus Head Frame and a Rock House. This is probably not a **Plan-Set** for a modeler who has never built a model. If the modeler has built a kit they will have acquired the skills to build this unique model. To convert the prototype dimensions to a scale only requires multiplying the dimensions shown by the scale being modeled. The **Plan-Set** consists of: 6) 13″ x 19″ super B sheets. 3-D renderings are shown on sheets for clarity. Upon request, a footprint drawing will be included in a popular scale you are modeling.	$12
	The Ore Mine Plan-Set is available on 6) 24" x 34" D size black & white sheets rolled and shipped in a tube, with free shipping.	$49
	**Pit & Tool Rack - Ash & Cinder** •••• This is the oldest style of Ash Pits where the track was carried on wooden side walls. This could be accomplished since "light weight" 4-4-0 American was the locomotive used by the CNW to Winegar, WI. By 1918 the wood of this Ash Pit at Winegar had reached its useful life and was filled in. At this small CNW terminal apparently they used the inefficient way of removing ash and cinders apparently with shovels from the build out into low sided railroad cars. **Plan-Set** consists of 2) 13″ x 19″ super **B** sheet.	$7

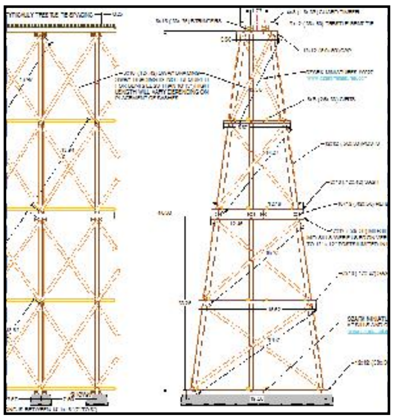
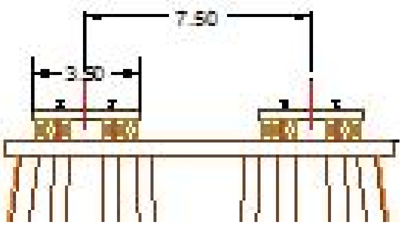
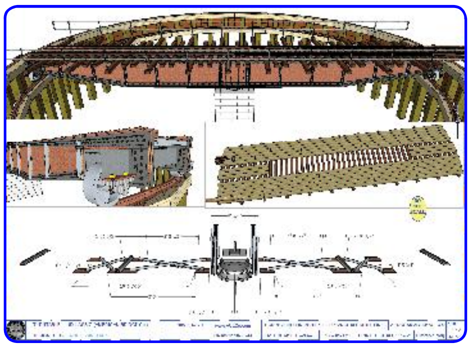
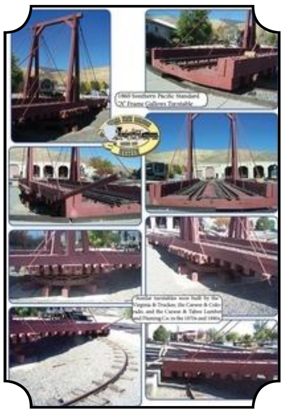
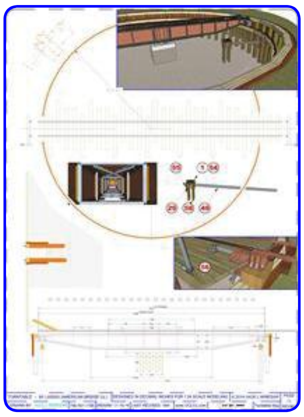
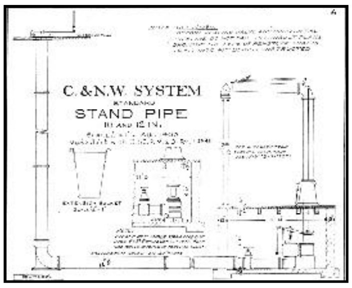
DRAWING or PICTURE	CONTENTS	COSTS
	**Powerhouse - Masonry** •••• This masonry building with a standing seam metal roof as shown was designed as a turn of last century prototypical Powerhouse which could have supplied electricity to an industrial complex or early sub-station of the electrification of an urban area. Or, just a generic brick building. The **Plan-Set** illustrate how to build this structure as a simple box or with an open wall that shows a post and beam interior. Footprint as designed is 17" x 15". **Plan-Set** consist of 8) super **B** sheets with a material list and 2) 9-½" x 13" **A** size sheets to construct Powerhouse with foam board. **Powerhouse Booklet** •••• with an additional 14) 9-½" x 13" super **A** size sheets with construction instructions including adhesives, painting, UV stabilization and weathering.	$14 $19
	**Pump House** •••• Once the water well was completed a Pump House utility building would be built. This small structure has an overall footprint of 12′ x 20′ with a lean-to coal storage. CNW trainmen maintained the stove, electric motor driven pump, (walking beam pumps were common) and pipes that carried water from the underground well to the water tank so the train from Mercer, WI could fill its tender. It was not uncommon when the tender was being filled, the locomotive fireman could throw a shovel full of burning coal into the pump house stove eliminating a need for a dedicated person to monitor the stove in the coldest weather.	U/C
 This 1:24 scale Green Chain Platform is included within the Sawmill Operation & Construction Book.	**Platform - VCLCo Green Chain** •••• The Green Chain is the conveyor that removed the freshly cut "green" lumber from a Sawmill to a sorting deck. There the lumber is sorted by size and grade and then moved on Lumber Carts to a drying yard where it is stacked. Modeling footprint of the VCLCo platform is 45" wide by 17-½" long in 1:24 scale! Included are detailed instructions on how to prototypically decreased this width and length to fit available space. **Plan-Set** includes 5) 13" x 19" super **B** sheets, with 3) 9-½" x 13" super **A** size detail sheets with a full size bent drawing and a material list. **Green Chain 1:20.3 Plan-Set** •••• As described above with 6) super B with 3) **A** size detail sheets and a full size 1:20.3 scale bent drawing	$11 $11
 	**Platform - Drying Yard & Trestle** •••• The VCLCo uses "Trestle" platforms to move lumber from the Green Chain to the drying yard. In the Drying Yard, I built a 3" high by 4" by 40" long Trestle Platform that would have been used to unload green lumber from Lumber Buggies into stacks for four months of air drying until the Chicago and North-Western Railway would ship the lumber to market in Box cars. I needed a 6" high Trestle Platform from the second floor of the mill to the Sorting Shed of the Green Chain for unloading timbers and cross ties to flat and gondola RR cars. **Plan-Set** includes: 2) 13" x 19" super **B,** and 2) super **A** size pages Bents are printed 1" = 1". **Trestle Platform & Drying Yard 1:20.3 Scale Plan-Set** •••• 1:20.3 scale as described above with 4) 13" x 19" super **B** and 2) **A** size sheets. All sheets intended for laying out bents are printed 1" = 1".	$6 $8
		
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales.		

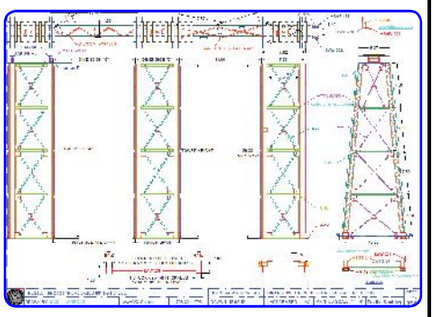
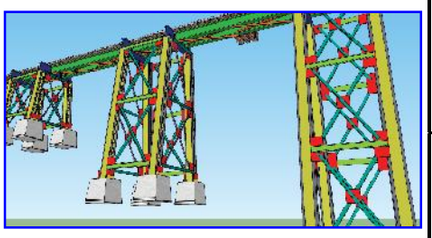
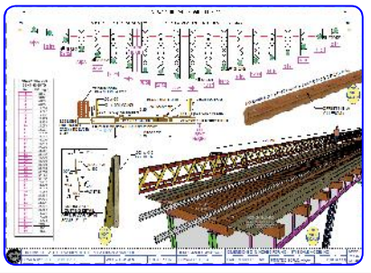
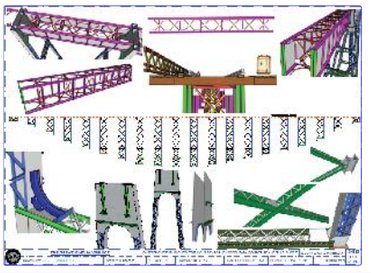
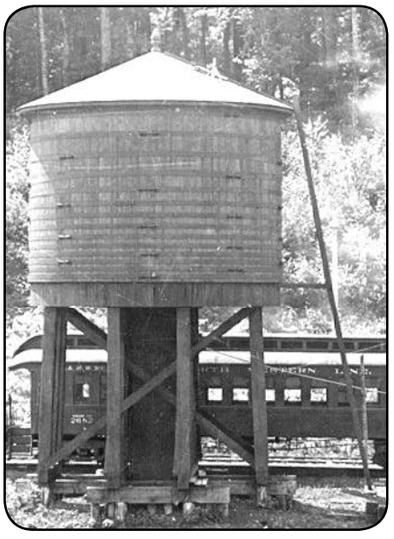
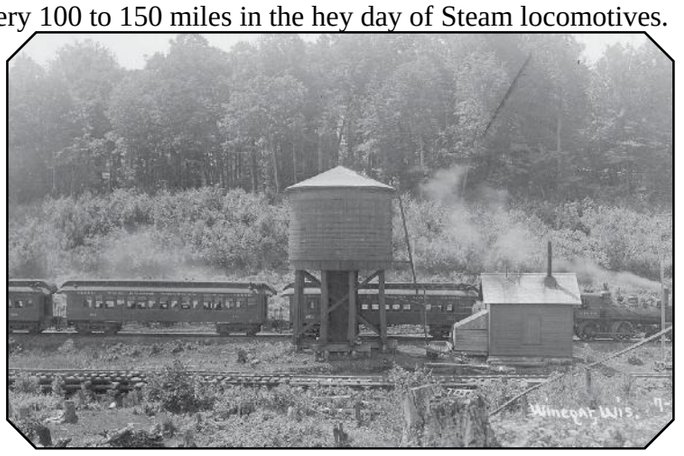
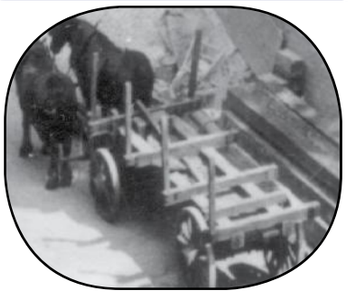
DRAWING or PICTURE	CONTENTS	COSTS
   	**Sawmill - VCLCo 3-Story** •••• The prototype of this 3-story mill was state of the art in 1910. Because of the vibration inherent to Saw Mill operations wood post and beam construction was the best choice because of its resiliency which caused less wear and tear on all the mill equipment. With such vibration it was not uncommon for a mill worker once a week hammering wedges re-tightening the frame to keep the structure sturdy. The first story had 12′ ceiling with a dirt floor with leaking steam pipes, line shafts, pulleys, and clutches running wide belts driving the second story equipment. With the whole first story filled with whirling belts and rotating drive mechanisms, it is hoped the Oiler only had to go down there at lunch time to lubricate bearings when equipment was shut down! Footprint 47″ x 87-½″. **Plan-Set** includes: 14) 13″ x 19″ super **B** sheets. Sheets are printed 1″ = 1-½″. Isometric drawings are included showing the many posts, beams and knees. Options include prototypical truss and framing details. Material lists include milled basswood for an indoor layout, textured patterned styrene for railroad gardens,painting and weathering recommendations. 1:24 scale **Sawmill Plan-Set** •••• 1:24 as described above but with, ?) 13″ x 19″ super **B** sheets. All sheets intended for laying out bents are printed 1″ = 1″. -- under construction -- 1:20.3 scale **Sawmill Plan-Set** •••• 1:20.3 scale as described above with a footprint as designed 55-1/2″ x 103-5/16″. Plans include 58) 13″ x 19″ super **B** sheets. All sheets intended for laying out bents are printed 1″ = 1″. 1:87.1 scale **Sawmill Plan-Set** •••• 1:87.1 scale as described above with a footprint as designed 24-1/8″ x 12-7/16″. **Plan-Set** includes 12) 13″ x 19″ super **B** sheets. All sheets intended for laying out bents are printed 1″ = 1″.	$21 U/C $58 $16
	Sawmill Operation & Construction Book •••• Spiral bound booklet of over 134) 9-½″ x 13″ pages, over 300 illustrations which includes a fold-out **Plan-Set** of 30) 1:24 scale 13″ x 19″ super **B** foldout sheets which include; the above Sawmill, Chip Collector, Drying Yard, Jack Ladder, Green Chain, Side Haul, Trestle Platform, and more with a sawing floor operation schematic.	$95 Priority mailed free in USA
 built by Ron Whittingham	**Shed - Closed Storage Out Building** •••• A very simple first project in any scale with a footprint of 8″ x 4″ in 1:24 scale that can be used on every layout. **Plan-Set** includes: 1) 13″ x 19″ super **B** and 6) 9-½″ x 13″ super **A** size sheet with the recommend material for indoor or outdoor railroad gardens with instructions.	$8
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales.		
 built by Ron Whittingham	**Shed - Open Ended** •••• A very simple first project in any scale with a footprint of 5″ x 6″ in 1:24 scale. Fill with clutter including; bags, broken stuff, crates, hang tools and a pin-up on the walls. **Plan-Set** includes: 1) 13″ x 19″ super **B** size, and 2) 9-½″ x 13″ super **A** size sheets with the recommend material in styrene.	$6
	**Burner - Refuse** •••• This is an incinerating device for disposing of Sawmill and Shingle Mill refuse, such as; bark, slabs, trimmings, and edgings is necessary when the fuel requirements of the Boiler House did not demand all the material being created. Fuel entered the brick lined riveted 16ga steel shell about 40' above ground by a refuse conveyor from the Sawmill. Top mesh was probably 3″ x 3″, 14ga mesh wire screen to prevent the emission of sparks, Foundations were 8-12 inches thick, 18-24 inches above grade to below the frost line.	U/C

DRAWING or PICTURE	CONTENTS	COSTS
	**Platform - Safety Island** •••• Every railroad with trestles (steel or wood) needs Safety Island Platforms for the safety of its employees who got caught on a trestle as a train approached. A bucket of sand with a barrel of water would be included to extinguish fires on wood trestles started by the hot coals from a steam engine. Safety Island Platforms would be located from 50′ to 150′ along trestles depending on the railroad's standards. This drawing is a dimensioned super **B** size 3-D rendering specifying indoor or RR garden materials.	$5
	**Portal - Timber** •••• This Timber Portal was designed to disguise G size track that terminated at a brick wall, but it could be used anywhere on an indoor layout or an outdoor railroad garden. (A "real" train enthusiast could even use this design as their Pet's Door.) **Plan-Set** includes: 3) super **B,** and 3) super **A** size sheets which include a material list. 	$8
The below five (5) structures could be found in the pinery that supported the Lumberjacks at a Logging Camp.		
	**Stable - Log** •••• This is a very simple structure that could have been found out in the pinery to house the loggers horses and oxen in fair weather in a temporary logging camp. Footprint 18″ x 8″. **Plan-Set** includes 1) 8-½″ x 11″ **A** size sheet. Downloaded for **free**.	eMailed free or $3.75
	Barn - Logging Horse •••• This is a more complex structure that could have been found out in the pinery to house the loggers horses and oxen for a more preeminent logging camp. Basic footprint is 20″ x 15″ for a dozen horses, increase 5" for every additional 4 horses. -- under construction --	U/C
	**Cabin - Filer** •••• Filers needed good light for sharpening saw blades. This (7-½″ x 9″) 1:24 scale footprint) cabin has a skylight since electricity was not available in the pinery. The Filer Cabin equipment used for sharpening blades varied, because of the individual options of saw-filers and the policy of the Woods Forman toward providing equipment. But would include saw blade storage racks pot belly stove and bunks. "Filers," themselves were so valuable they were the highest paid workers in the camp, often working secretively with the door closed so no one else could learn their techniques. Not even showing the Camp Supervisor how he filed saw bl ades. -- under construction --	U/C
	**Cabin - Logging Kitchen & Dining** •••• "Cookee" awoke the lumberjacks before the sun came up, so they could be logging at the first light. Dinner was served when it was too dark to work. The "Jacks" were not allowed to talk while eating at tables so they could finish eating quicker and get back to logging. Footprint in 1:24 scale is 18″ x 27″ for 120 Lumber Jacks. -- under construction --	U/C
	**Outhouse - Log** •••• Every layout needs some latrines. This one was designed for a logging vignette. This plan sheet is a dimensioned 8-½″ x 11″ **A** size 3-D rendering using cheap plastic piping available in the plumbing department of big box building supply stores for railroad gardens. (Plug pipe ends with DAP® Plastic Wood® or epoxy putty.) This is a great project to gain skills and experience. Construct for indoor use with wood dowel. Door is a Precision Products® textured styrene product. Roof is a Plastruct® textured styrene product.	eMailed free or $4.50

DRAWING or PICTURE	CONTENTS	COSTS
	**School** •••• This is the Fosterville/Winegar, WI first school built in 1906, a one-room school house. A footprint of 20′ x 32′ with an 8′ x 8′ entrance to remove muddy shoes. The number of children at each grade level varied as the population increased in Winegar. This is a simple frame construction with a bell in the cupola. Contrary to popular belief schoolhouses were not usually painted red, most wood frame schools were painted white. **-- under construction --**	U/C
	**Set-Off - Hand and/or Motor Car** •••• A simple detail to enhance any RR terminal layout. This is a redraw of a C&NW standard drawing. **Plan** is a single 1) 13″ x 19″ super **B** size sheet. Footprint is 6″ x 9″ in 1:24 scale.	$5
		
	**Shed - Velocipede** •••• This shed was fond on VCLCo track but could be found anywhere along any RR track. The VCLCo probably used their Velocipede to quickly get into the pinery to check on and/or deliver a message to their Woods Foreman. This **Plan-Set** includes options for a Garden Railway, (shown) or the option for finescale indoor modeling. Footprint is 4″ x 6″. **Plan-Set** consists of: 4) 13″ x 19″ super **B** size sheets with material and detail recommendations depending on options chosen plus 2) 9-½″ x 13″ **A** size sheets. **Velocipede Shed** *deluxe* **Booklet** •••• This is the same above but with vintage Velocipede information, on 16) 9-½″ x 13″ super **A** pages with illustrated construction options and another 1) super **B** set off sheet.	$9 $23
	**Shed - Snow** •••• Every layout that represents trains going through the Rocky Mountains needs a Snow Shed. Footprint as designed is 20-¼″ x 44-⅝″. The length can easily be varied ± 4″. **Plan-Set** illustrates how to vary the roof width depending on how close to the mountain your Snow Shed is built. **Plan-Set** includes: 3) super **B** and 2) 9-½″ x 13″ super **A** size sheets with the profile shown in full scale. **Snow Shed Booklet** •••• with 14) 9-½″ x 13″ super **A** size sheets with construction instructions and photographs and weathering.	1:24 Scale $8 1:48 Scale $6 1:24 Booklet $11 1:48 Booklet $9
	**Stool - Work Platform** •••• Another simple afternoon project that could be found in an Engine House or..... The example shown was built from my scrap box which gives it a really used character. Footprint is 1″ x 2″. Plan includes 1) 9-½″ x 13″ **A** size sheet which shows material size. Download or eMailed **free**.	eMailed free or $3.75
	**Turnout - #4 RH & LH** •••• This **Plan-Set** use Llagas Creek code 215 track and available details. I chose code 215 for my indoor layout because of it being relatively prototypical. I found the cost of Llagas Creek details reasonable. Full size templates are included for these details if you want to scratch build everything. Turnouts are drawn with a 6 ½′ R x 21 ¾″ long. **Plan-Set** include 5) 13″ x 19″ super **B** size sheets with turnouts shown in full size to use as templates and 1) 9-½″ x 13″ **A** size page.	$7
UNDER CONSTRUCTION	**Turnout - #6 RH & LH**	U/C

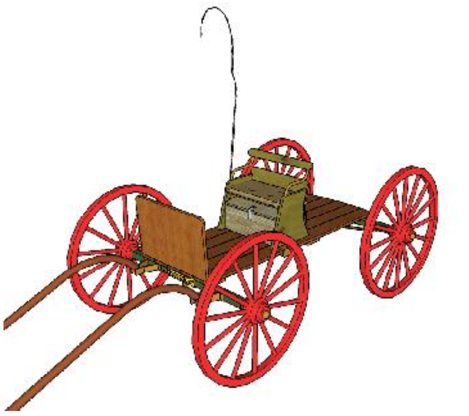
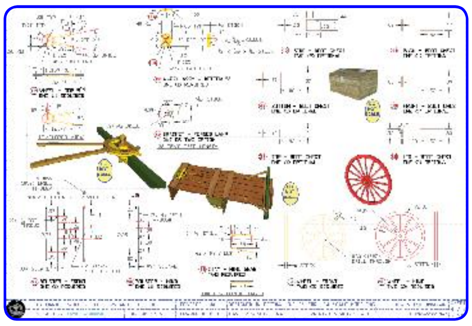
DRAWING or PICTURE	CONTENTS	COSTS
 -- under construction--	**Store - Company** •••• The building is shared by the Post Office and a Doctor's Office. Employees were paid with Tokens which could only be spent at the Company Store. The use of tokens as pay usually was a benefit to the employer. Tokens used for payment removed the need of the employer to have cash on hand. The use of tokens necessitated using the company store for most, if not all, purchases, which were usually at higher prices than could be found elsewhere. The company store had an advantage to the employee, such as the remoteness of the Fosterville/Winegar precluded traveling to Mercer, WI to buy goods. Therefor employees usually saved money in the long run by buying at the company store. Basic footprint was 24′ x 90′ with the Post Office and Doctors Office "L", 26′ x 18′.	U/C
	**House - Tool** •••• This award winning model started as a Ozark Miniatures kitbash. Drawing included is very detailed to make this model very unique. Footprint 5-¾″ x 4-⅞″. Plans include 1) super **B** size sheets and 2) 8-½″ x 11″ **A** pages.  **Booklet & Plan-Set** •••• Contains: 1) 13″ x 19″ super **B** size and 14) **A** size pages, spiral bound illustrated construction booklet which includes detailed instructions, weathering and scenicing this diorama.	$6 Plan-Sheet ONLY $13 Booklet and Plan-Set
	**Trestle - Single Track Wood Pile** •••• Pile (being round poles as compared to rectangular timbers) trestles were the preferred choice of railroads if soil conditions allowed for the driving of piles. 16″ tall bents have a 8-½″ square base, 31-⅜″ tall bents have an 13-⅛″ base. Construction materials can be used for indoor layouts or outdoor railroad gardens. **Plan-Set** includes 3) 13″ x 19″ super **B** size sheets with finished photos, 31-⅜″ bent is drawn full size for use as a template. Ask about taller templates. 2) super **A** size pages with scale conversion to other popular scales.	$7
Don't have room for a long Trestle? Just build a couple bents under construction with a boom.		
	**Boom - Patented** •••• The "prototype" for this machine was a poor reproduction of a patent drawing. Was it ever built? The only one I know of is the one I built for the Taltree Arboretum & Gardens. The patent drawing is included in a drawing. This boom is part of a Building The RR Vignette showing the American RR going west. **Plan-Set** includes; 2) 13″ x 19″ super **B** and 2) super **A** size pages. 	$8
 built by Tom Kreiger at the Taltree Arboretum & Gardens		

DRAWING or PICTURE	CONTENTS	COSTS
	**Trestle - Single Track Timber ••••** This **Plan-Set** shows prototypically correct timber bents found in deep canyons and ravines in the early days of railroading. Drawn is a four story 48-½″ tall bents (can easily be adjusted in 12″ story increments) with a 19″ base. Bents are recommended spaced at 7″ to 8″ apart. **Plan-Set** includes: 7) 13″ x 19″ super **B** size and 4) 9-½″ x 13″ super **A** size sheets with the 48 ½″ bent shown in full size to use as a template with all details dimensioned, thereby not requiring scaling of drawings. **Single Track 1:48 scale Timber Trestle ••••** 24-¼″ tall bents (can easily be adjusted in 6″ story increments), spaced 3-½″ to 4″ apart, 3) super **B** size and 2) super **A** size sheets showing bents full scale.	$14 $10
	**Trestle - Double Track Timber ••••** This **Plan-Set** shows prototypically correct timber bents found in deep canyons and ravines in the early days of railroading. Drawn are 48-½″ tall bents (can easily be adjusted in 12″ story increments) with a 26-½″ base. Bents are spaced at 7-½″. **Plan-Set** includes 8) 13″ x 19″ super **B** size and 4) super **A** size sheets with bent shown in full size to use as a template.	$15 $12
  	**60' Turntable ••••** This 60′ balanced turntable is based on turn-of-last-century turntables built by the Lassig Bridge Co. of Chicago, before and after the Lassig Co. was purchased by the American Bridge Co. Many turntables were still in operation in the 1940's. Lassig built such turntables for the Chicago, Rock Island & Pacific, C&NW, Rock Island, and other railroads at varying lengths. Obviously this design could be easily lengthened for larger engines. All details are commercially available or styrene shapes cut to length, all shown full scale in the **Plan-Set**. Turning can be accomplished by simply turning with a couple fingers as was accomplished prototypically by a couple men or the **Plan-Set** gives you the option of using commercial gears. Such turning eliminates fancy electronics if used in a RR garden. A front bicycle or tricycle wheel axle bearing is another turning option (which can be found along any street on "Garbage Day." Or, a simply block core between riveted side girders fastened to a Lazy Susan is another option. This 60' Lassig Turntable as designed is 30" long in 1:24 scale. As designed it would be acceptable for other Large Scales, with lengths as follows: 1:32 (3/8") scale = 79.72 feet long 1:29 scale = 72.5 feet long 1:24 (1/2") scale = 60 feet long 1:22.5 (G) scale = 56.25 feet long 1:20.3 (Fn3) scale = 50.75 feet long 1:13.7 (7/8n3) scale = 34.25 feet long **Plan-Set** only includes: 11) super B and 4) super A sheets with full size templates of details, construction instructions **Booklet & Plan-Set** additionally include 16) 9-½″ x 13″ photo pages of 9 other Turntables	$18 $26
	**Water Well ••••** This is a Standard C&NW Ry Stand Pipe which pumped water into a Water Tank. Footprint 13′ x 7′ x 7′ deep. This can be a great point of interest for your layout when constructed as cut section on the edge of your layout. Note; the small track side stream which was also a reliable water supply. Pump houses besides containing the pumping equipment, frequently included a bunk for watchman who stoke a stove.	U/C

DRAWING or PICTURE	CONTENTS	COSTS
 	**Viaduct - Single Track "Steel"** •••• This unique spindly Steel Trestle design **Plan-Set** includes options to build towers for any railroad era based on prototypical practices. Readily available commercial members are recommended for constructions that only have to be cut to length with no difficult cuts and easily bonded together. The tower shown is 30″ tall and can easily be modified in 7-½″ story increments. Options also include different sizes of detail members for prototypically shorter and taller towers. Other options included variations from riveted construction with turnbuckles and truss rod diagonals from earlier turn of the last century steel trestles to modern welded constructed trestles. The **Plan-Set** includes 7) super **B** size sheets drawn for 30″ tall towers, full scale construction, cutting and optional rivet drilling templates are included. 3) **A** size sheet.	$14
	Viaduct - Double Track "Steel" •••• The **Plan-Set** includes 15) super **B** size sheets drawn with full scale construction, cutting and optional rivet drilling templates are included. 3) super **A** size sheet.	$21
The Great Kinzua Viaduct •••• In **(1:87.1) HO** scale. If a scale replica is built this trestle would be 23-¼' long. But a fine scale model can be built within your available space by reducing the number of bents. The **Plan-Set** includes 26) **B** size sheets with commercial available shapes.	 	$26
	**Water Tank** •••• This is a Standard C&NW Ry 24′ diameter Water Tank. Such water Tanks would have been found at terminals and every 100 to 150 miles in the hey day of Steam locomotives. 	U/C
 	**Wagon - Heavy Duty Dray** •••• Drays are the strongest type of commercial freight wagons pulled by a single team of draft animals. Generally they were used in and around the "big" city to haul heavy loads well into the 1920's and beyond. Floors were flat with smaller wheels than a Farm Wagon for easy lower loading of large machinery and parts and even a casket if no hearse was available. The Pullman RR Car Co. used Drays to move wheel sets and other parts. This design is a model of a ten-ton capacity Dray with a full-circle fifth-wheel which provided greater maneuverability within crowded city streets. **Plan-Set** options include different style stakes and a Turning Seat with Wheel Jig.	
	Booklet & Plan-Set includes: 9) 13″ x 19″ super **B** size sheets and 24) super **A** 9-½″ x 13″ construction and painting instructions.	$25
	Plan-Set ONLY consists of: 9) super **B** and 10) super **A** size sheets	$19

Wagons models are splendid prototypes for the modeler who works on a kitchen table.

Our wagon models are constructed of wood and metal just as they were 100 years ago.

<table>
<tr><th>DRAWING or PICTURE</th><th>CONTENTS</th><th>COSTS</th></tr>
<tr><td> 
 
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Wagon - Classic American Buckboard •••• Is a distinctively American vehicle. It was of simple construction (and, our easiest wagon to model). The "buckboard" is the front-most board on the wagon that would protect the driver. A true buckboard had no metal springs, its suspension comes from the springy boards that make up the floor/body. Much of the charm of this ruggedly constructed vehicle is its versatility and being very functional.

Modeling options included brakes, boot chest (under the bucket seat), buggy whip, cushion(s), small stake sides, side steps, even a luggage rack or maybe a lamp or two. A buckboard wagon often had a seat for a driver and a "back seat" for the rest of the family.

The Buckboard became the economical and versatile "family utility car" of its time for easily going into town and back with the family essentials. They could be found in every early 1900s settlement, be it a farm, mine, sawmill or logging camps.

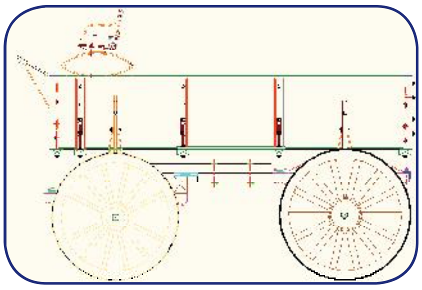
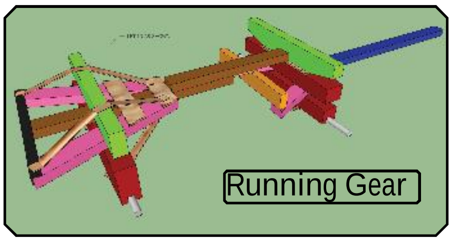
Every model diorama prior to 1920 should have a Buckboard!

Booklet with 1:24 scale <u>Plan-Set</u> •••• Includes: 6) 13″ x 19″ super **B** sheets with all details shown as full scale templates, and material list, 20) 9-½″ x 13″ super **A** construction instruction sheets.

1:24 scale basic <u>Plan-Set</u> ONLY consists of:_5) 13″ x 19″ super **B** sheets with all details shown as full scale templates, and material list, 6) 9-½″ x 13″ super **A** sheets.

Booklet with 1:13.7 scale <u>Plan-Set</u> •••• Includes:_9) super **B** sheets with all details shown as full scale templates, wheel jig and material list, 20) 9 super **A** construction instruction and historical sheets.

1:13.7 scale basic <u>Plan-Set</u> ONLY consists of: 8) 13″ x 19″ super **B** sheets with all details shown as full scale templates, and material list, 6) 9-½″ x 13″ super **A** sheets.

</td><td>$23
$13
$25
$15</td></tr>
<tr><td colspan="3">1:24 scale <u>Plan-Sets</u> include printing and dimension conversion factors to 22 popular scales.</td></tr>
<tr><td> 
 
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Wagon - American Farm Box •••• These are very detailed plans down to the nuts and bolts. There is no way to compare a finished model built from these plans compared to a laser cut built kit. It is reported that there were almost a 1000 wagon builders across American in the late 1800's. Obviously there was some variation in construction details but the basic wagon changed little over the years. This **<u>Plan-Set</u>** allows for the modeler to also vary details, but build with metal and wood just as they did over 100 years ago.

<u>Booklet & Plan-Set</u> includes: 9) 13″ x 19″ super **B**, and 51) 9-½″ x 13″ super **A** size, pages which include Bill of Materials, 3-D renderings, and construction and painting instructions, plus historical information.

<u>Plan-Set</u> ONLY consists of: 8) super **B** and 15) super **A** size pages.

</td><td>$43
$20</td></tr>
<tr><td> 
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Wagon - 4-Wheel Railroad Station Platform •••• Such wagons were used for luggage and freight at Express, Freight and Passenger Depots. There are nice kits available but are not prototypically correct. With our **<u>Plan-Set</u>** you have the opportunity to have a unique prototypical RR Baggage Waggon that visitors have not seen before.

<u>Booklet with Plan-Set</u> includes: 6) super **B**, and 2) 9-½″ x 13″ super **A** size pages which include a Material List, 3-D renderings.

4-Wheel Platform Wagon Booklet & 1:13.7 scale <u>Plan-Set</u> includes: 8) 13″ x 19″ super **B**, 2) **A** size pages.

</td><td>$12
$15</td></tr>
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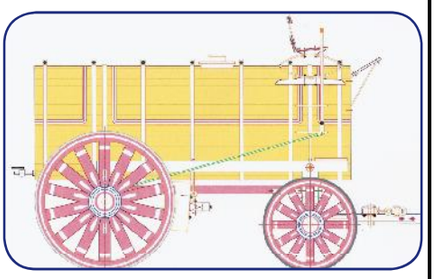
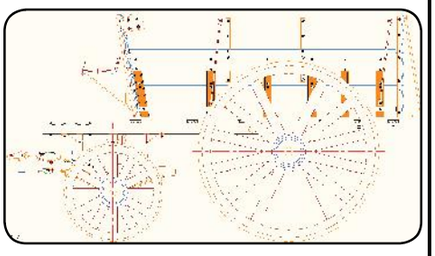
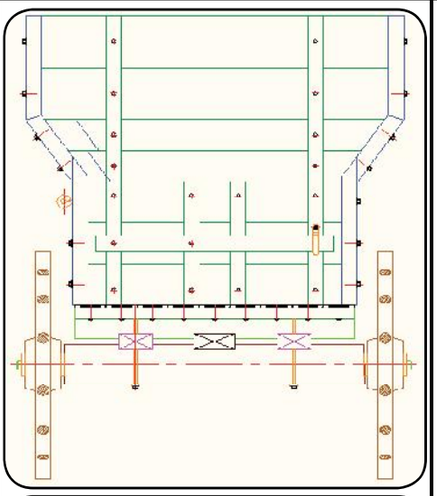
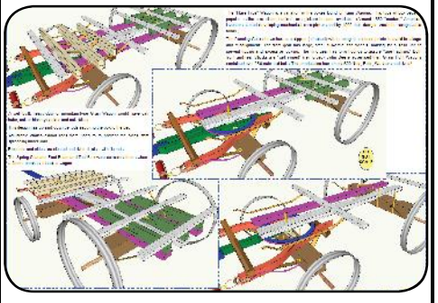
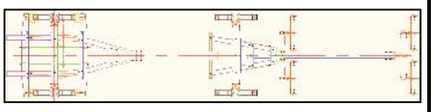
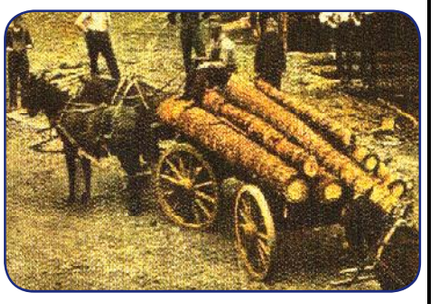
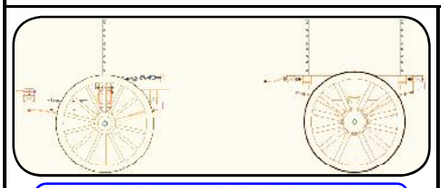
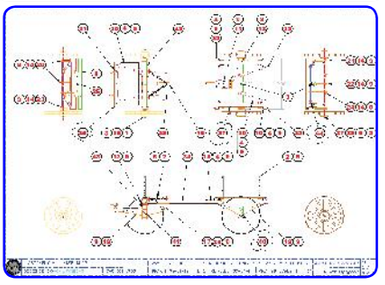
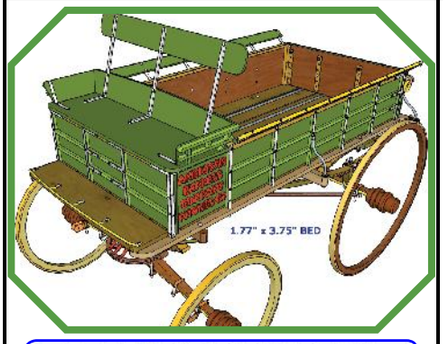
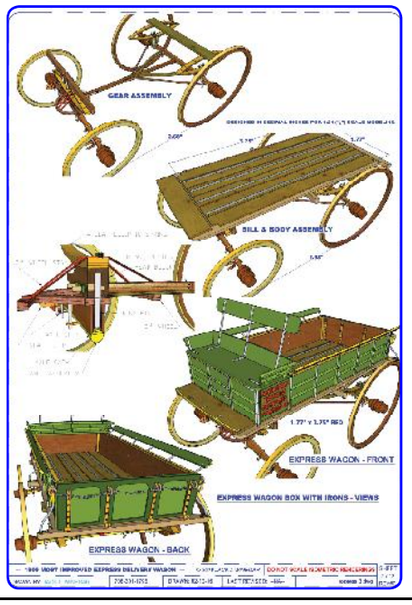
DRAWING or PICTURE	CONTENTS	COSTS
	**Wagon - Tank** •••• Tankers collected lamp oil (kerosene) at the train depot, sold it to shops and peddled it by the gallon to city folk. Also, in the heat of summer they were used to sprinkle dirt roads in a city when the dust became too thick. They were also used for delivering water to residents where wells were not available. For fire fighting at Sawmill and logging operations. **Plan-Set** includes: 9) 13″ x 19″ super **B** size sheets showing details full scale, and 4) 2-½″ x 13″ super **A** size material list with construction instructions. Options include different size wood and steel tanks. **Booklet & Plan-Set** includes: 9) 13″ x 19″ super **B**, 14) super **A** size, sheets which include Bill of Materials, 3-D renderings, and construction and painting instructions, plus historical information.	$15 $20
1:24 scale **Plan-Sets** include printing and dimension conversion factors to 22 popular scales.		
	**Wagon - Dumper** •••• Dump Wagons, are also referred to as tip carts. This is a contractors suspension body wagon. In the city they delivered wood, and coal, or removing ashes, and garbage. At earth moving sites they moved rocks, gravel, sand, etc. (This was an era when earth was worked by picks and shovels.) It was found at saw mills for moving saw dust, slash and other refuse. **Plan-Set** includes: 10) 13″ x 19″ super **B** all details are shown as full scale templates, and 2) 9-½″ x 13″ super **A** construction instruction pages. **Booklet & Plan-Set** includes: 10) super **B** size sheets and 12) super **A** 9-½″ x 13″ history info, construction and painting instructions.	$16 $21
Wagons models are splendid prototypes for the modeler who works on a kitchen table. Our wagon models are constructed of wood and metal just as they were 100 years ago.		
  Flare-Type, Grain Tight Wagon Running Gear 3-D renderings.	**Wagon - American Flare-Type, Grain Tight Farm** •••• The "Flare-Type" Wagon is a variation of the boxes found on farm Wagons. This type of box became popular as the use of mechanical corn pickers became available. Running gear shown are clipped (attached) with bracing at all stress points to avoid breakage and misalignment. The front gear has a large, steel, full-circle fifth wheel, making for a solid unit to prevent tipping and excessive rocking. The hind gear has long hounds to assure "true tracking." Both front and hind bolsters are "well ironed" (reinforced). This model also has almost 500 optional Nuts, Bolts, Washers and rivets. This design has up-and-down tie rods securing the box to the bed. Adjustable chains and rods were used to prevent the sides from spreading under load. Box ends and sides are cleated and riveted also with tie rods. A Spring Seat and Tool Box are optional details. **Plan-Set** includes: 11) 13″ x 19″ super **B**, 6) 9-½″ x 13″ super **A** size, sheets which include Bill of Materials, 3-D renderings, and construction instructions. **Booklet & Plan-Set** •••• includes: 11) 13″ x 19″ super **B** size sheets and 14) 9-½″ x 13″ super **A** construction instructions. ***Also available in 7/8 (1:13.7) scale*** **American Flare-Type, Grain-Tight 7/8 scale Farm Wagon Plan-Set** includes: 18) 13″ x 19″ super **B**, 4) **A** size, sheets which include Bill of Materials, 3-D renderings, Wheel Jig Fixture. **Booklet & 7/8 scale Plan-Set** •••• includes: 18) 13″ x 19″ super **B** size sheets and 12) 9-½″ x 13″ super **A** construction instructions	$19 $22 $25 $28

WE R MODELERS

DRAWING or PICTURE	CONTENTS	COSTS
 	**Wagon - Complete Heavy Duty Log & Cord** •••• Logging Wagons are similar to the farm wagon but with no bed, heavier construction, but with brakes for hauling logs from a hilly Pinery to a Loading Deck. Some additional ways of displaying a Logging Waggon other than by your Saw Mill would be to show it by a roadside restaurant. They could also fit prototypically within an oil well scene hauling pipes or derrick timbers and in the construction of city buildings. **Plan-Se**t includes: 8) 13″ x 19″ super **B** size sheets showing details in full scale, and 6) 9-½″ x 13″ super **A** size material list. **Plan-Set** includes options for modeling another Log Wagon as a trailer with a 4-horse hitch and brakes and Wheel Jig Fixture drawings. **Log Wagon Booklet & Plan-Set** •••• includes: 8) 13″ x 19″ super **B** size sheets and 24) 9-½″ x 13″ super **A** construction instructions including patent drawings for a 8-Wheel Lindsey type wagon.	$16 $24
1:24 scale **Plan-Sets** include printing and dimension conversion factors to other popular scales.		
 	**Wagon - Mill/Factory Lumber Buggy** •••• Wagons with no beds were used to haul lumber around Saw Mills, Lumber Yards, Wood-working Plants and general farm use. These wagons carried their load on the balanced over the rear wheels making them somewhat shorter than other types of wagons. **Plan-Set** includes: 4) 13″ x 19″ super **B** size sheets showing details full scale, and 2) 9-½″ x 13″ super **A** size material list with construction instructions. **Lumber Buggy Booklet and 1:24 Plan-Set** •••• includes: 4) super **B** size sheets and 10) 9-½″ x 13″ super **A** construction instructions. **Lumber Buggy 7/8 scale Plan-Set ONLY** •••• includes: 9) super **B** size sheets**,** and 2) 9-½″ x 13″ super **A** construction instructions. **Booklet and 7/8 scale Plan-Set** available in, 9) 13″ x 19″ super **B** size sheets, with 12) 9-½″ x 13″ super **A** size Booklet pages.	$11 $15 $16 $20
 	**Wagon - 1904 Most Improved Express Delivery** •••• Sometimes called a Hitch or Baggage Wagon, or Show Wagons. They were widely used for light city trucking of large parcels and boxes to homes and businesses. These wagons were closely associated with railway shipping carrying trunks and baggage to and from depots. Companies took great pride in their Express Delivery Wagons bearing their business name and a magnificent team of horses to pull them. Show wagons were pulled in parades and exhibitions to advertise companies and their products. Today, an astounding number of companies, breeders and draft-horse owners continue this tradition. Express wagons are one of the most carefully designed and practical, yet beautiful wagons ever built. The spring system, fifth-wheel assembly and 'cut-under' front wheels facilitate tight turns and give this wagon flexibility making it ideally suited to the crowded driving conditions in cities during the horse-drawn era. Characteristically they had flared upper side boards and a high driving seat. This is our most detailed (difficult) wagon to build, but by eliminating some of the smallest details this wagon could easily be built by virtually any modeler. **Plan-Set** ONLY includes: 11) 13″ x 19″ super **B** sheets and 2) 9-½″ x 13″ super **A** size Pages which include material lists. **Express Delivery Wagon Booklet and Plan-Set** - includes: prototype information construction photos and suggestions with 6) additional 9-½″ x 13″ super **A** size pages.	$17 $20

DRAWING or PICTURE	CONTENTS	COSTS
	**Wagon - Delivery Van** •••• Vans were used for delivery by: baker's, butcher's, bottler's, used for advertising and delivery of dry goods, flowers, furniture, ice, mail, milk and by butchers, peddler's, and police. **Delivery Van Wagon 1:24 scale Plan-Set** ONLY includes: 3) super **B** and 4) 9-½″ x 13″ super **A** size sheets which include a material list. **Delivery Van Wagon Booklet and 1:24 scale Plan-Set** includes: 3) super **B**, and 6) 9-½″ x 13″ super **A** size sheets, a material list with construction instructions, construction and vintage photographs, painting , UV stabilization, and weathering . **Delivery Van Wagon Booklet and 1:12 scale Plan-Set** includes: 4) super **B,** 6) 9-½″ x 13″ super **A** size sheets with construction instructions, photographs, painting , UV stabilization, weathering and Wheel Jig construction photos.	$10 $12 $11 $13
	**Wheels - All scale fixture for Wagon** •••• Plans for a fixture that allows building of model wagon wheels in virtually any scale. **Plan-Set** include: 2) 13″ x 19″ super B construction templates for 10, 12 & 14 spoke wheels, and 4) 9 ½″ x 13″ super **A** size instruction sheets which include photos, 3-D renderings with steps by step instructions. (*This **Plan-Set** is included with some Wagon **Plan-Sets***) **Wagon Wheel Fixture Booklet and Plan-Set** •••• with an additional 3) 13″ x 19″ super B, 8) 9-½″ x 13″ super **A** size sheets with a method to construct finescale "Dished" wheels, wheel rim cleats and mud scallops construction instructions.	$10 $12
	**Wharf Construction** **-- under construction --**	U/C
	**Warehouse - Three Story** •••• This warehouse could be built with as many stories as you have room for. The length can also be modified by increasing or decreasing the number of bays. Large warehouses have always been found in an urban environment. End doors are large enough for trains to enter for operations or use this structure for storing trains outdoors. Footprint as designed is 80″ x 15″. Construct for indoor or outdoor railroad gardens. **Plan-Set** includes: 6) super **B**, and 2) **A** size illustrated instruction sheets, a material list. **Three Story Warehouse Booklet** •••• with an additional 14) 9-½″ x 13″ super **A** size sheets with construction instructions, photographs, painting , UV stabilization, and weathering.	$12 $17

What would you like to see added to our Plan-Set list?

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ask -- at this point in time these specific **Plan-Sets** have not been fully developed to our high drafting standards. These **Plan-Sets** will be completed quickly and shipped free, upon a paid-in-full order.

U/C -- **Plan-Sets** are **U**nder **C**onstruction. Quote and delivery date will be given upon request. These designs have been fully researched but not fully designed. Most have preliminary drawings without modeling specifications.