

The New Rochester Model Rails

Dedicated to Quality Modeling

VOL. 12 NO. 89

ROCHESTER, NY

JAN./FEB. 2014



Shay #2 at the standard gauge Cass Scenic Railroad in Cass, WV, 2005. More images next issue.

A Tractor Repair Shed by Gary Patterson

The NMRA – Lakeshores Division Spring Meet at RIT – March 22

Building a 1:87 Scale Sawmill - Part 42 by Richard Senges, MMR



A tractor
Repair
Shed

*Model and
Photos by
Gary
Patterson*









Lakeshores Division, NFR, NMRA 2014 Spring Meet – March 22nd

Location:

**Rochester Institute of Technology
1 Lomb Memorial Dr.
Student-Alumni Union
Rochester, NY 14623**

Morning:

- 8:30 to 9:00 Registration, Meet and Greet, register Models/photos for Contest
- 9:00 to 9:05 Welcoming remarks – Ray Howard
- 9:05 to 9:50 *Clinic* – “Proto-Freelancing on the Genesee Route” – Otto Vondrak
- 9:50 to 10:00 Break and Voting on Popular Choice Model Contest and Photo Contest
- 10:00 to 10:40 Presentation – “The Grapevine Express” – Ray Howard
- 10:40 to 10:50 Break
- 10:50 to 11:35 *Clinic* – *Pretty Good Trees* – Ned Spiller, MMR
- 11:35 to 12:00 Door Prizes, Announcements, Maps, etc. – Ray Howard

Lunch - on your own.

Afternoon:

1:00 PM to 3:30 PM – Rochester & Genesee Valley RR division
of the Erie Lackawanna (Dave Coon)

1:00 PM to 4:00 PM – Rochester & Irondequoit Terminal RR
(RIT Model Railroad Club)

Notes:

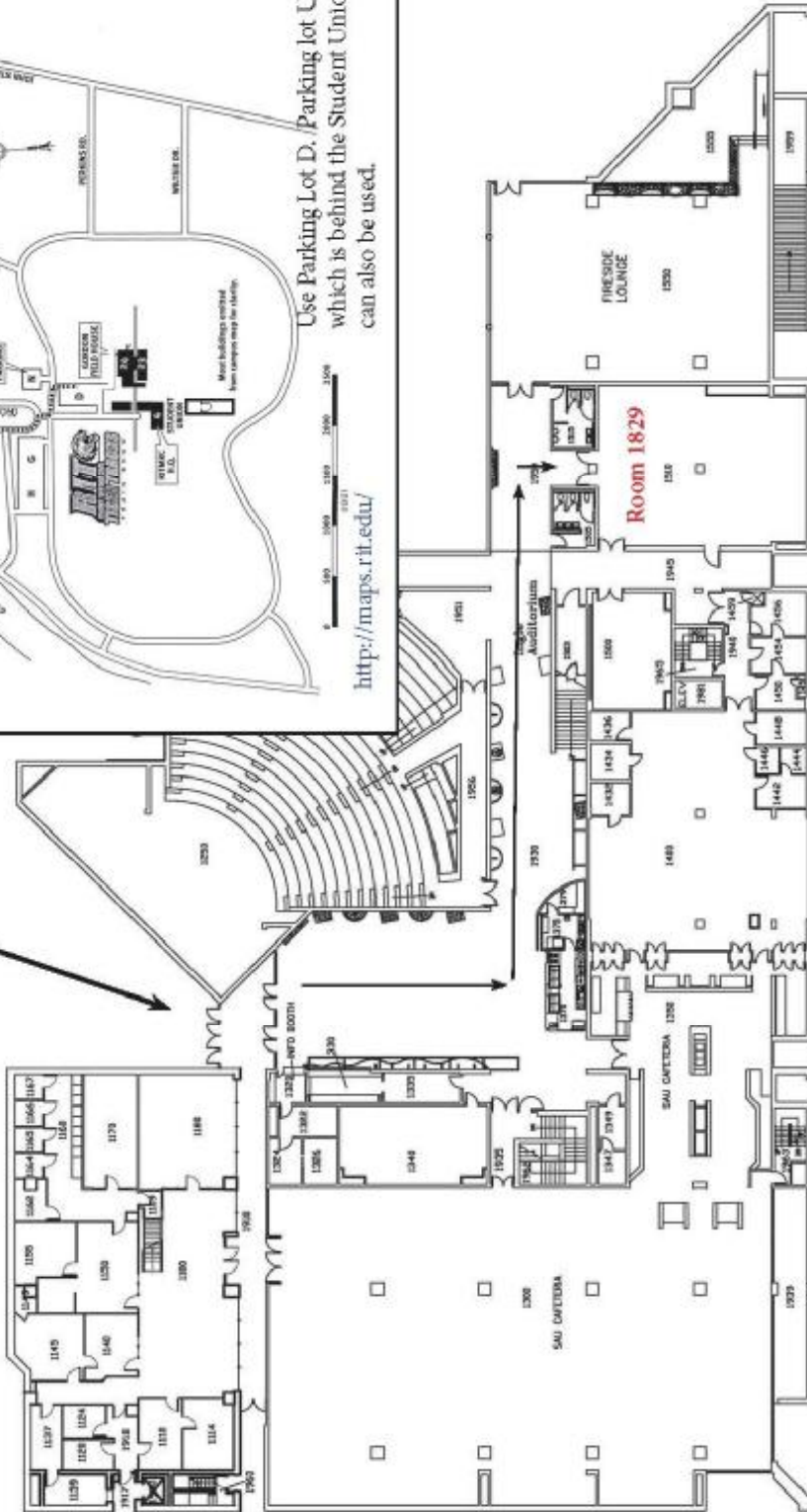
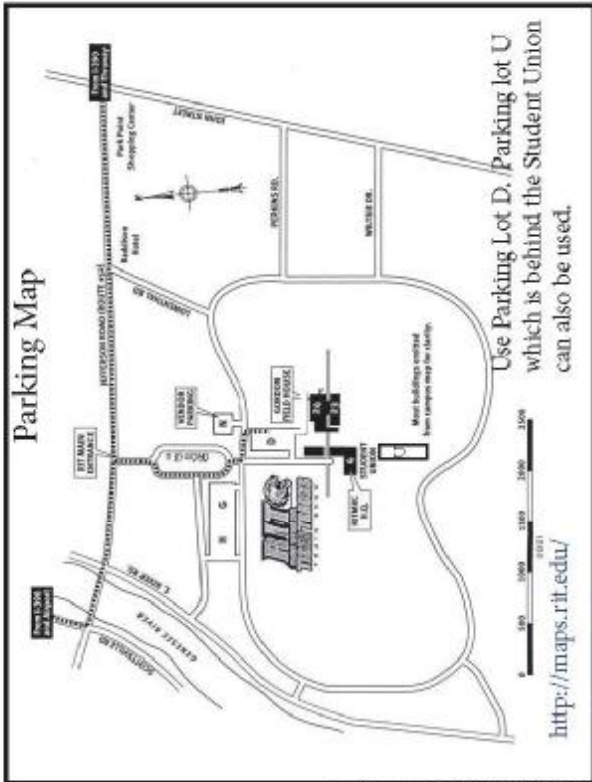
Cost: \$3.00 members and \$5.00 for guests.

There will be drawings for door prizes. Please bring an item to donate for this.

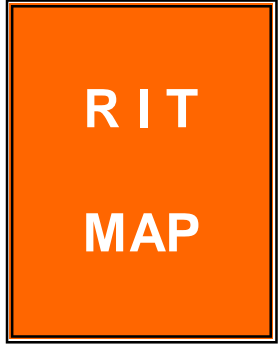
We will have a “Modelers Choice” Model Contest and a Modeler’s Choice photo Contest.

Directions to Meet at RIT

Enter through the main doors, walk towards Ben & Jerry's, turn LEFT, walk towards Ingle Auditorium entrance, and the 1829 Room will be on your right. We'll post signs guiding the way.



Bldg_004 Student Alumni Union
First Floor Plans



Builing a Large 1:87 Scale Sawmill I

Part 42 – *The Boiler House Drive System*

Text and Photos by Richard Senges, MMR

In Part 41 of the Sawmill Series we took a quick look at the belts for the Boiler House, the Old Mill and New Mill. This issue will show some of the plans used to making the Boiler House Drive System. I made these plans based on my understanding of how a saw mill and the adjacent buildings might have designed their drive system. The drawings on the next pages (Version III was adopted) were done (not to scale) using *Microsoft Word – Draw* which is part of the *Word* software most everyone uses today. All the drawings on my website and in the *Rochester Model Rails* were made this way.

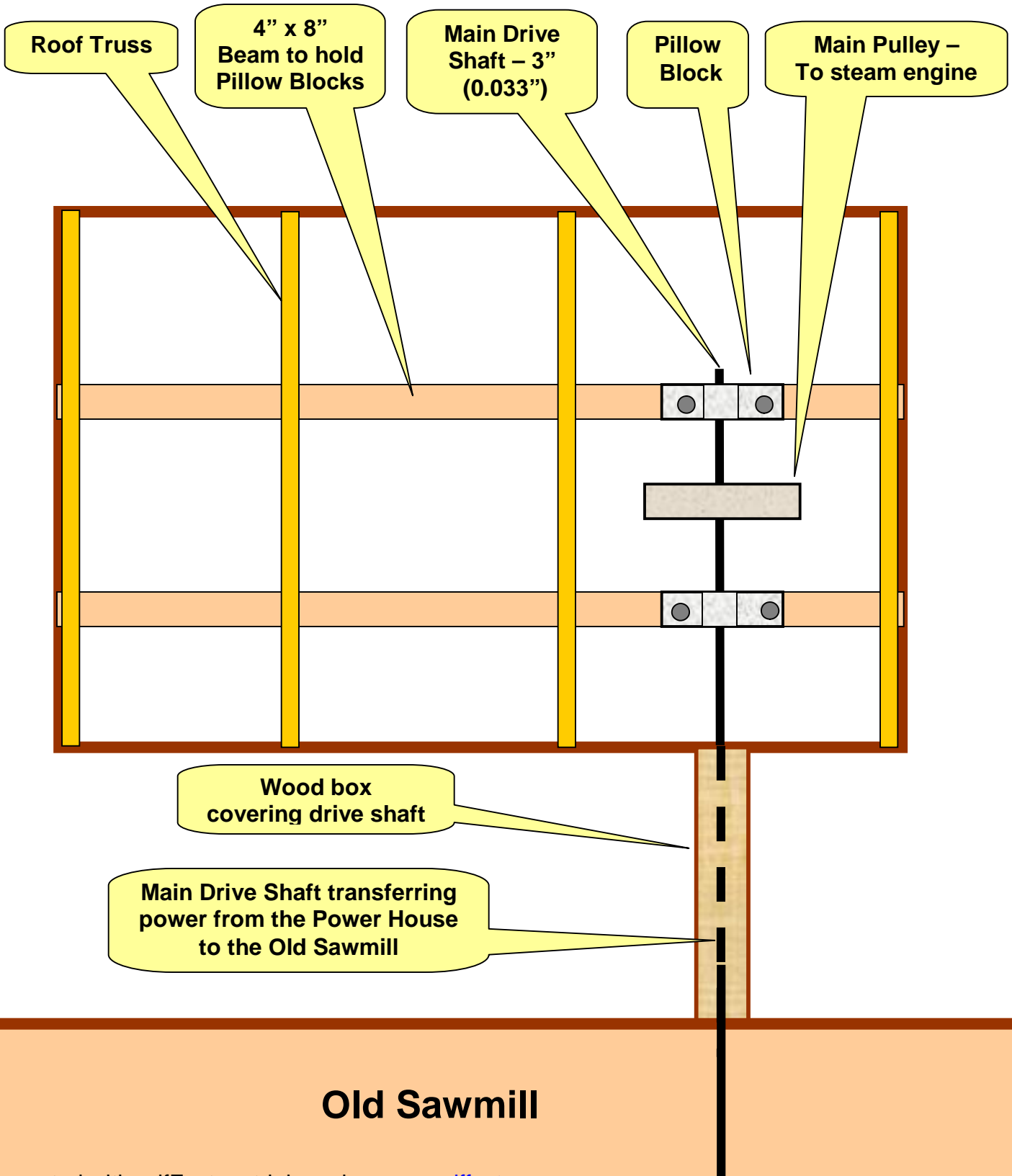
The pillow blocks were mounted on top of the beams on the boiler house which later necessitated lowering the whole Boiler House so that the main drive shaft lined up with the main shaft of the Old Mill. Subsequently, the pillow blocks on the Old Mill and the New Mill were mounted under the beams, rather than over the beams. This resulted in a perfect main drive shaft alignment between the three structures.

Another major alignment issue is the alignment of the structures to the track and also to the mill pond. This will be addressed in a later article. Below is an image of the Boiler House showing the completed drive system, stacks and roof trusses.



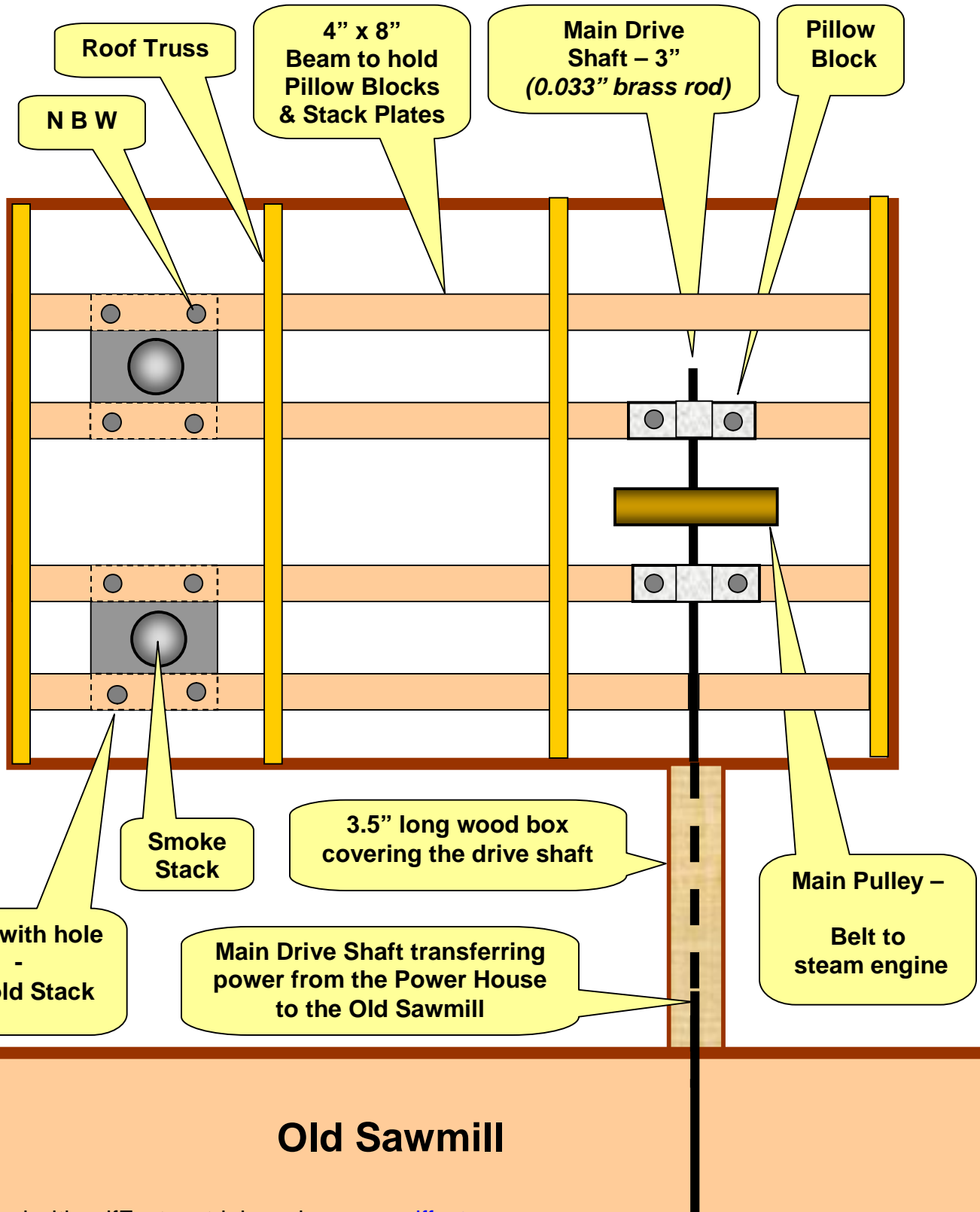
Main Drive System – Boiler House

Looking Up at Roof – Version I



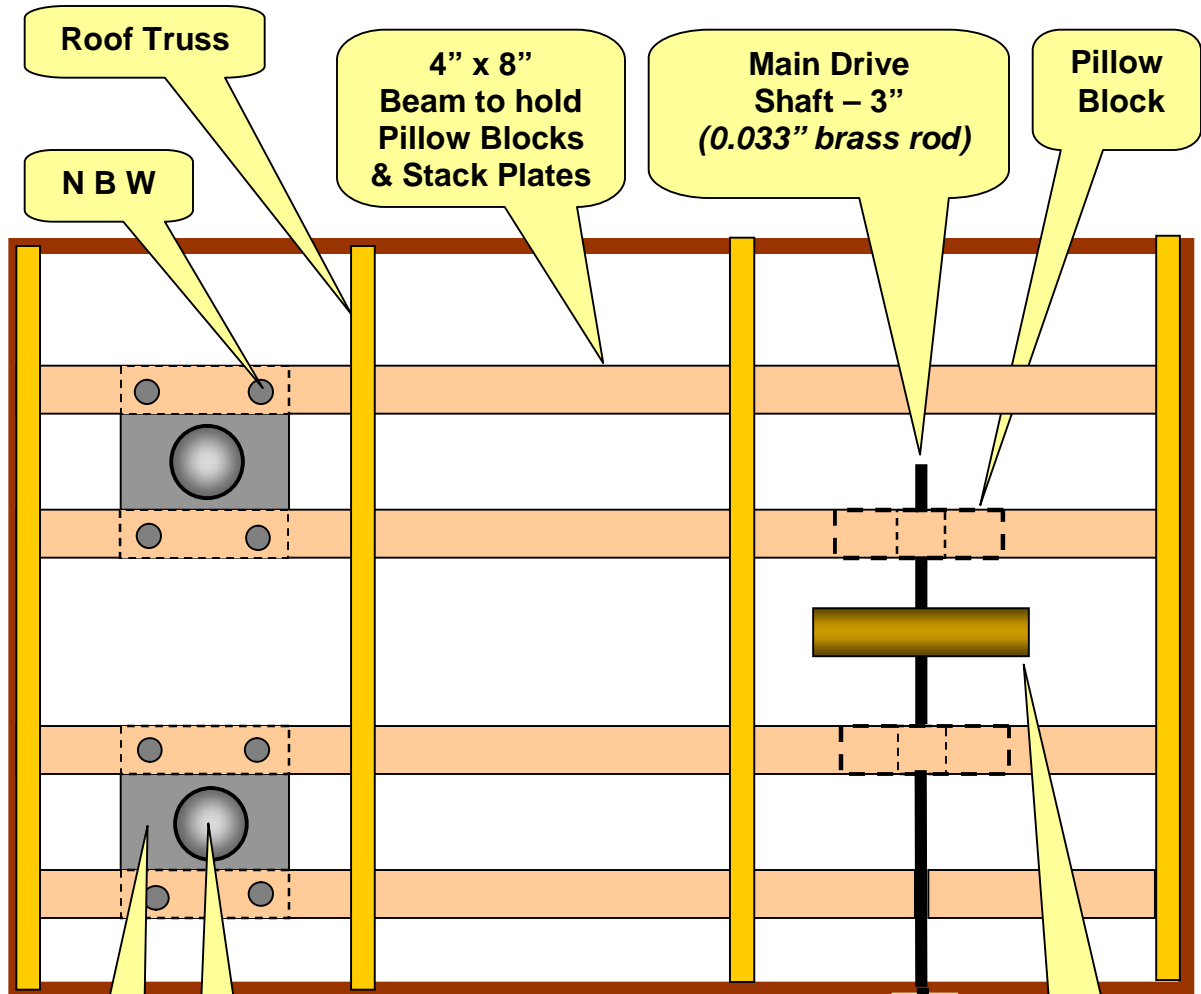
Main Drive System – Boiler House

Looking Up at Roof – Version II



Main Drive – Boiler House

Looking Up at Roof – Version III



Roof Truss

4" x 8" Beam to hold Pillow Blocks & Stack Plates

Main Drive Shaft – 3" (0.033" brass rod)

Pillow Block

N B W

Plate with hole - to hold Stack

Smoke Stack

3.5" long wood box covering the drive shaft

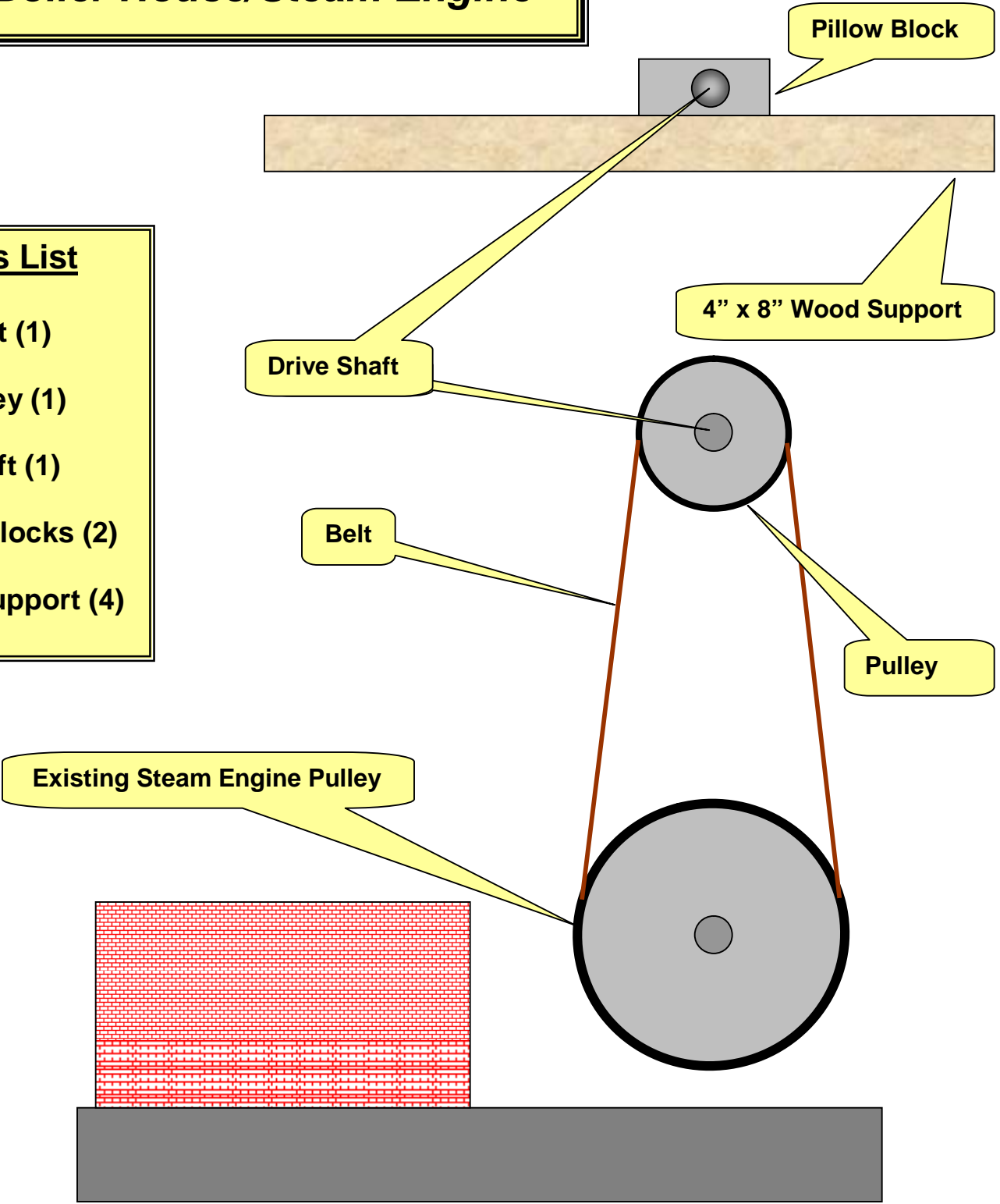
Main Drive Shaft transferring power from the Power House to the Old Sawmill

Main Pulley – Belt to steam engine

Old Sawmill

Primary Drive
Boiler House/Steam Engine

- Parts List**
- Belt (1)
 - Pulley (1)
 - Shaft (1)
 - Pillow Blocks (2)
 - Wood Support (4)



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NEXT ISSUE

Cass – Revisited

**Building a Large 1:87
Scale Sawmill Part 43**

**Update: Matt Kovacic’s New
On30 Layout**

**Update: The On30 Model RR of
Sam Pennise**

Rochester Model Rails

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NOTICE

All articles published in the *Rochester Model Rails* are strictly the opinions of the authors and do not necessarily represent the opinion of the *Rochester Model Rails* management. The authors solely take full responsibility for their opinions, comments, drawings and images.

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**Articles,
digital
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drawings
and
plans
welcome.**



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