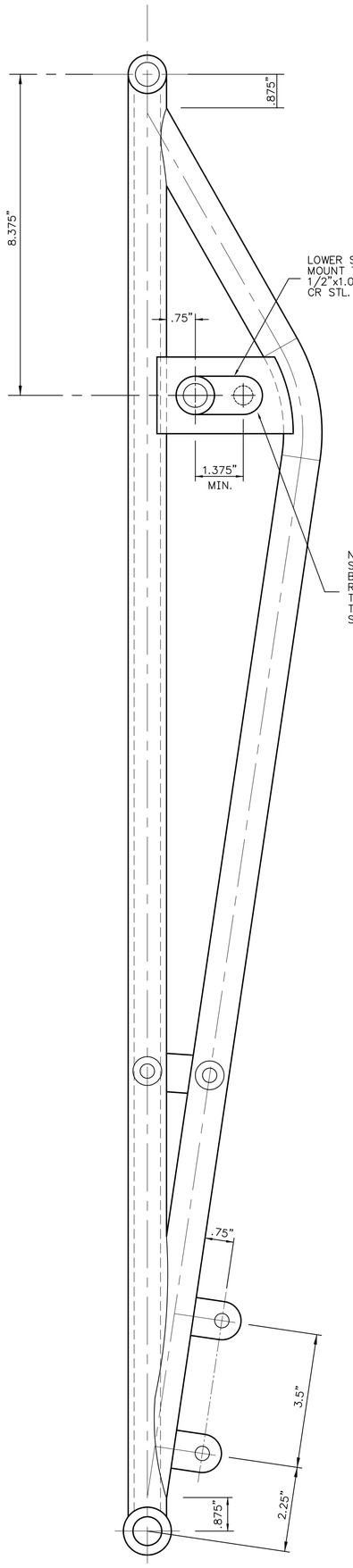
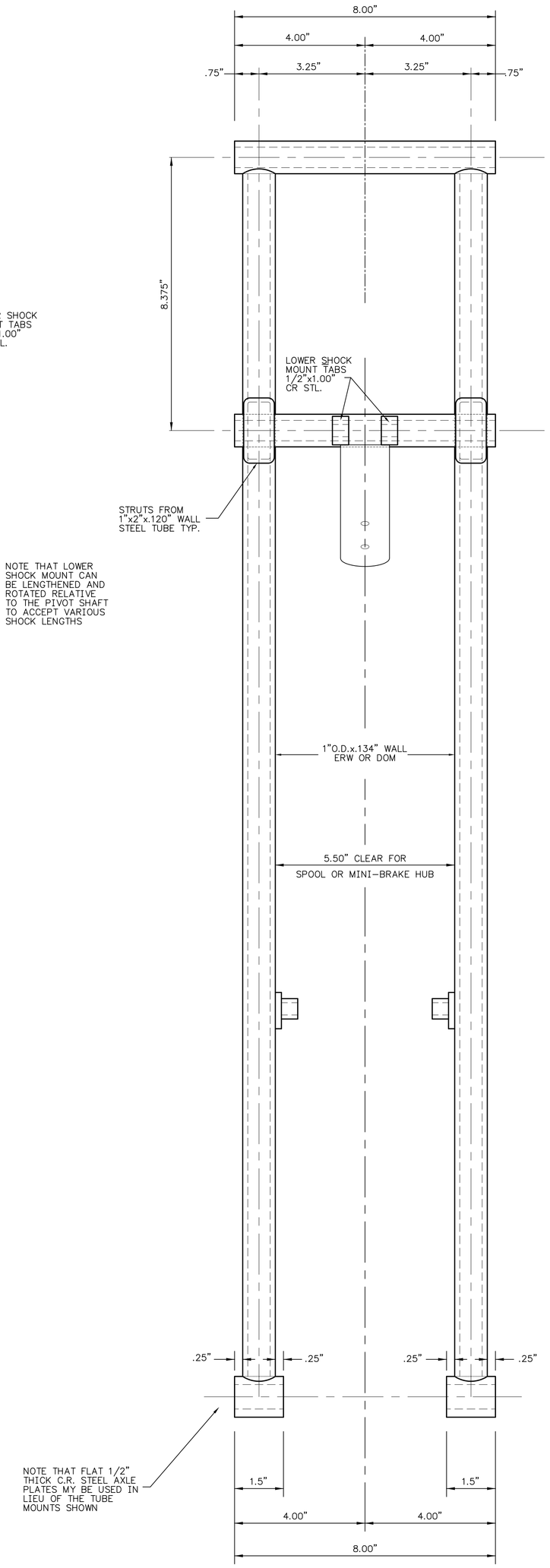
CHOPPER BUILDERS HANDBOOK



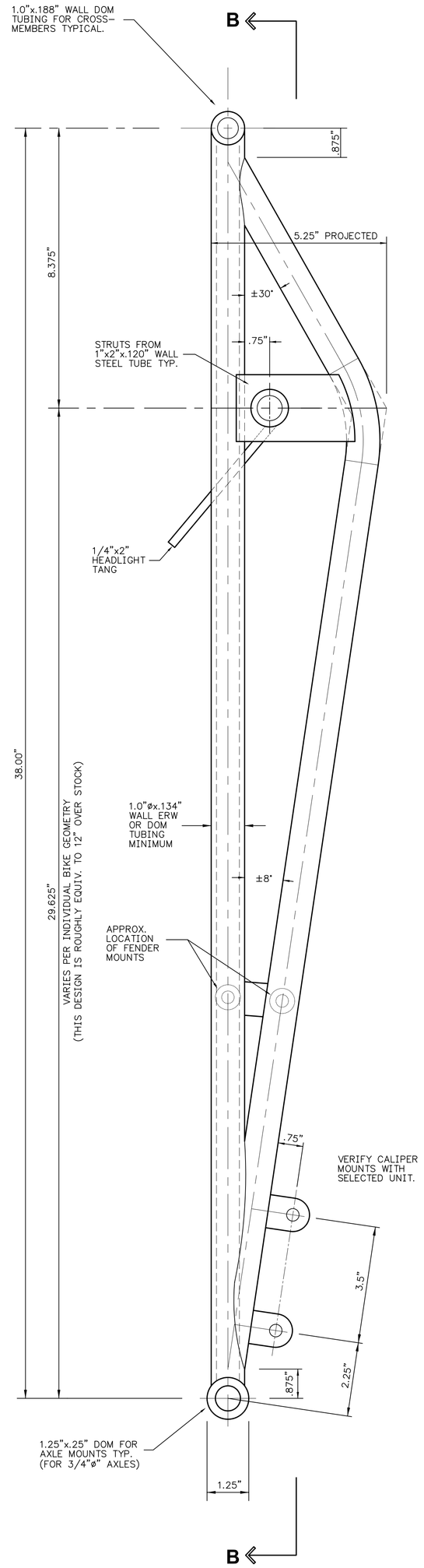
SECTION A-A (THRU MIDDLE)

SCALE 1/2" = 1"



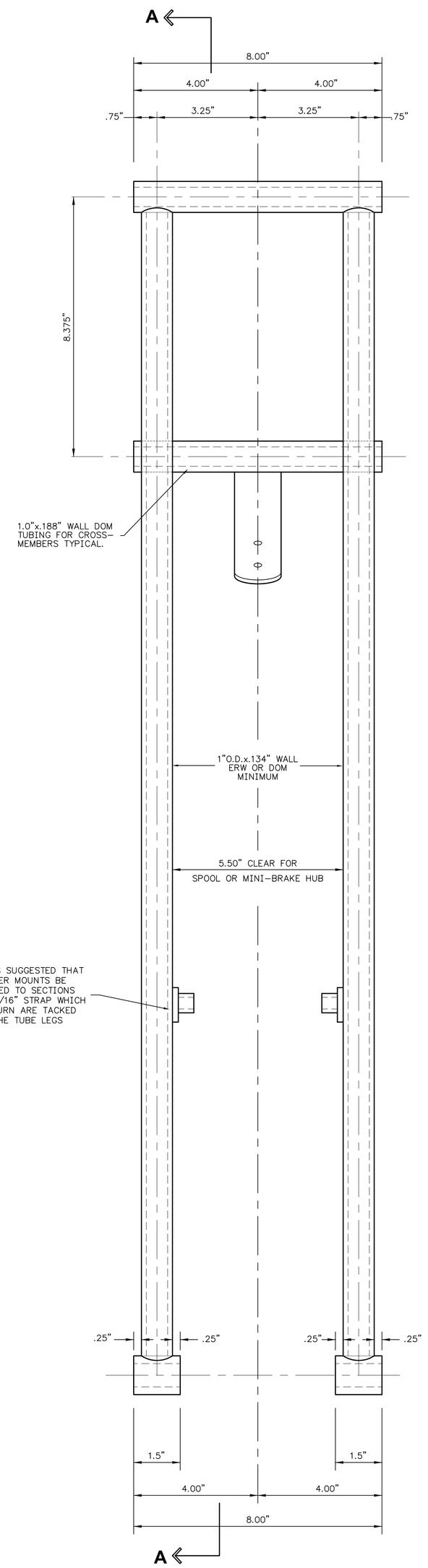
SECTION B-B

SCALE 1/2" = 1"



GIRDER FORK - LEFT VIEW

SCALE 1/2" = 1"



GIRDER FORK - FRONT VIEW

SCALE 1/2" = 1"

NOTES

THESE PLANS AND DIAGRAMS ARE INTENDED TO PROVIDE VERY BASIC FOUNDATIONAL INFORMATION FOR GIRDER CONSTRUCTION. PLEASE USE THE DRAWINGS IN CONJUNCTION WITH ADDITIONAL INFORMATION PROVIDED ON THE MAIN WEB SITE AND DISCUSSION BOARD. THERE ARE DOZENS OF WAYS TO FASHION BOTH GIRDER FORKS AND GIRDER TREES AND THESE PLANS ILLUSTRATE BUT ONE METHOD.

1. VERIFY I.D. OF TUBING PRIOR TO ANY MACHINING.
2. THE HEADLIGHT TANG SHOULD BE INSTALLED SO THAT IT IS PARALLEL WITH THE ROAD SURFACE. COORDINATE THE EXACT SIZE AND LOCATION OF THE TANG WITH THE LIGHT YOU WANT TO MOUNT BEFORE FABRICATION.
3. THE BRAKE CALIPER MOUNTS WILL HAVE TO BE VERIFIED WITH THE PARTICULAR CALIPER YOU DECIDE TO USE AND WHETHER YOU WANT TO RUN A LEFT OR RIGHT SIDE BRAKE SYSTEM.
4. THE FENDER MOUNT POINTS SHOWN ARE FOR REFERENCE ONLY. THE BUILDER IS RESPONSIBLE FOR POSITIONG MOUNTS TO FIT THE SELECTED FENDER IF ONE IS TO BE USED.
5. NOTE THAT THE SELECTION OF THE TUBING SIZES USED FOR THE CROSS-MEMBERS IS DEPENDENT ON THE TYPE OF GIRDER LINK CONNECTION YOU PLAN ON USING. IF USING A CONTINUOUS SHAFT MOUNTED IN BUSHINGS YOU WILL NEED A DIFFERENT TUBING I.D. THAN IF YOU PLAN ON RUNNING SHOULDER BOLT CONNECTIONS WHERE THE CROSS-MEMBERS ARE TAPED. THE PLANS SHOWN ON THIS SHEET ARE DESIGNED TO USE BRONZE SHAFT BUSHING HAVE A .75" O.D. AND .625" I.D.
6. THE SIZE AND LOCATION OF SHOCK MOUNTING TABS WILL NEED TO BE COORDINATED WITH THE SELECTED SHOCK UNIT TO INSURE THAT THE EYELET HEADS CLEAR THE TREES AND THE FORK CROSS MEMBERS.
7. THE INSIDE FORK WIDTH SHOWN HEREON IS DESIGNED TO PROVIDE CLEARANCE FOR TYPICAL "NARROW GLIDE" WHEEL HUB AND BRAKE ASSEMBLIES. THE FORKS CAN BE NARROWED FOR VARIOUS WHEEL HUB CONFIGURATIONS.

GARY W. WEISHAUPT

PERFORMANCE ENGINEERING
CHASSIS FABRICATION
FLOWBENCH TESTING
MACHINE WORK
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Revision	Date
• INITIAL LAYOUT	5-18-84
• AS-BUILT REV.	5-28-84
• AS-BUILT REV.	2-12-90
• AS-BUILT REV.	7-13-92
• BUILDER REV.	9-3-93
• PUBLICATION	8-2-94
• PUBLICATION	1-25-98
• PUBLICATION	11-21-03
• PUBLICATION	12-18-05
•	
•	
•	

Key Plan

Project Title

GIRDER FORKS DESIGN 38-2

BASIC GIRDER

DESIGN GF38-1

Drawn By	GWW
Date	12-14-05
Checked By	HC
Date	12-16-05
Scale	1/2" = 1"
Plot At:	1/2" = 1"
Project No.	–

Sheet Description

FORK LEGS

Sheet No.

GF1.2

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