CHOPPER BUILDERS HANDBOOK

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GENERAL NOTES

1. THIS SERIES OF DRAWINGS HAS BEEN DEVELOPED FOR THE SOLE PURPOSE OF SERVING AS REFERENCE MATERIALS DURING THE CONSTRUCTION OF CUSTOM MOTORCYCLE FRAMES. DO NOT USE THESE DRAWINGS DURING THE RESTORATION OR REBUILDING OF A STOCK FRAME.
2. THE FRAMES SHOWN HEREIN ARE INTENDED FOR USE WITH STOCK H.P. ENGINES AND NOT HIGH PERFORMANCE MOTORS. CONSULT THE DESIGNER FOR HIGH PERFORMANCE MODIFICATIONS.
3. FRAMES AND/OR COMPONENTS DEPICTED HEREIN ARE INTENDED TO BE CONSTRUCTED BY SKILLED PROFESSIONAL WELDERS AND FABRICATORS FAMILIAR WITH MOTORCYCLE CONSTRUCTION TECHNIQUES. THE DESIGNER WILL NOT BE RESPONSIBLE FOR DAMAGES THAT RESULT FROM IMPROPER APPLICATION AND INTERPRETATION OF THESE DRAWINGS OR SUB-STANDARD WORKMANSHIP.
4. NOTE THAT UNLESS SPECIFIED OTHERWIDE ALL TUBING BENDS ARE BASED UPON A 4.5" CENTERLINE RADIUS, USING 1.25" O.D. TUBING.
5. THE MINIMUM TUBING SPECIFICATION IS TO BE 1.25" O.D.x .120" WALL COLD ROLLED ELECTRIC RESISTANCE WELDED MECHANICAL TUBING (CREW), GRADE 1020 OR EQUIV. DOM TUBING.
   BACKBONE AND MOTOR MOUNT CROSS MEMBERS SHALL BE MINIMUM .188" WALL THICKNESS.
6. THE MOUNT DIMENSIONS SHOWN HEREON ARE BASED UPON THE BEST AVERAGE MEASUREMENTS TAKEN FROM FIVE DIFFERENT FRAMES BUT DEPENDING UPON YOU PARTICULAR COMPONENTS YOU MAY HAVE TO MAKE MINOR MODIFICATIONS FOR SPECIFIC EQUIPMENT.

GARY W. WEISHAUPT

PERFORMANCE ENGINEERING
CHASSIS FABRICATION
FLOWBENCH TESTING
MACHINE WORK
RESTORATIONS

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Revision	Date
* INITIAL LAYOUT	6-12-02
* REVISION	3-8-05
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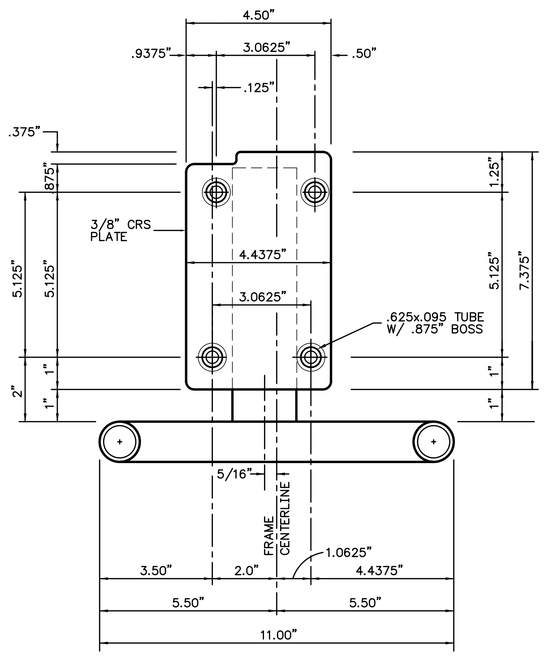
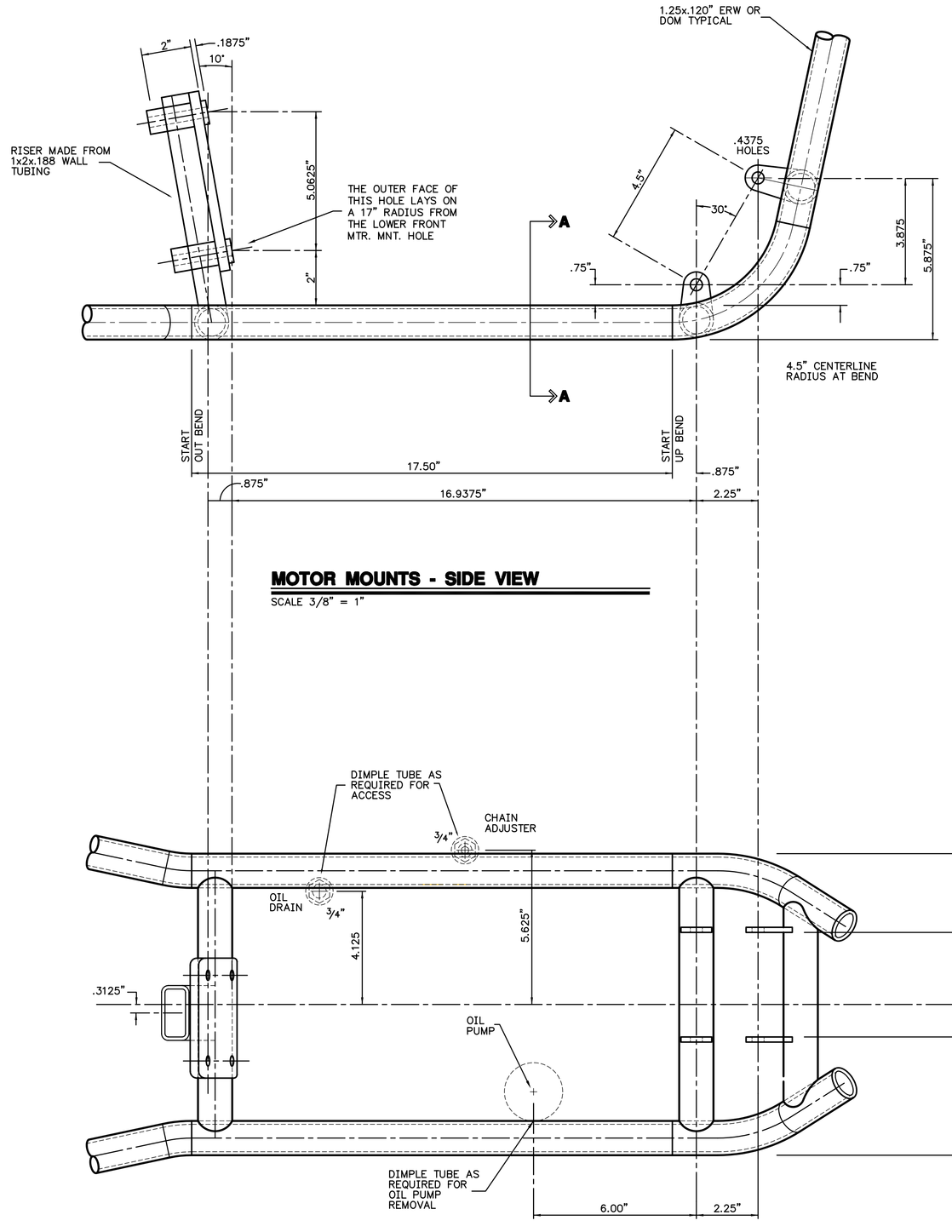


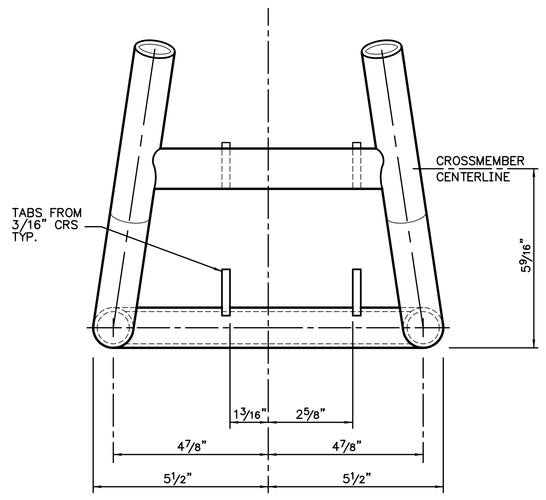
LOOKING AFT
(VIEWED FLAT FOR DRILLING PATTERN)

REAR MOTOR MOUNT PLATE
SCALE 3/8" = 1"



MOTOR MOUNTS - SIDE VIEW
SCALE 3/8" = 1"

MOTOR MOUNTS - PLAN VIEW (VIEWED FROM TOP)
SCALE 3/8" = 1"



SECTION A-A (LOOKING FORWARD)
SCALE 3/8" = 1"

PRELIMINARY

0 1 2 3 4 5 6

Project Title
PROTOTYPE RIGID EVO SPORTSTER CHOPPER FRAME

THE BOBCAT

Drawn By	GWW
Date	3-8-05
Checked By	HC
Date	4-2-05
Scale	3/8" = 1"
Plot Scale	.375:1
Project No.	BC-6-05

Sheet Description
MOTOR MOUNT VIEWS

Sheet No.
BC 1.2