

GARY W. WEISHAUPT
 PERFORMANCE ENGINEERING
 CHASSIS FABRICATION
 FLOW MACHINE WORK
 RESTORATIONS

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Revision	Date
* INITIAL LAYOUT	12-7-05
* GENERAL REVISION	9-27-07
* GENERAL REVISION	3-4-08
* GENERAL REVISION	7-4-08
* GENERAL REVISION	2-24-08
* GENERAL REVISION	9-24-08
* GENERAL REVISION	1-16-08
* GENERAL REVISION	4-12-08

**PROTOTYPE RIGID
 CHOPPER FRAME**

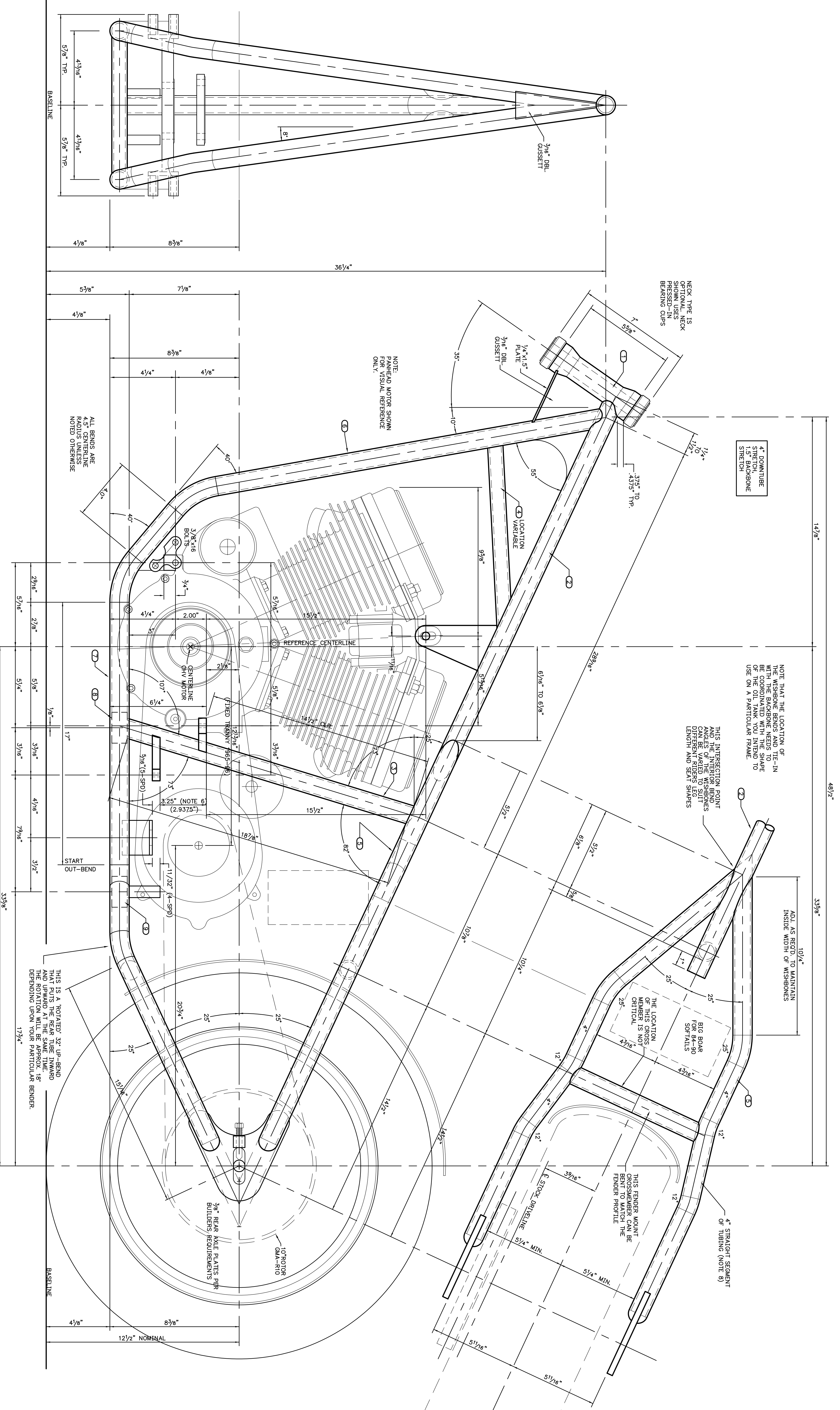
**WELDING JIG #2
 REFERENCE DATA**

CUSTOM RIGID

Drawn By	GMW
Scale	4-12-05
Created By	HC
Title	4-18-05
Scale	3/8" = 1"
Part Scale	3/16" = 1"
Project No.	CR-250-2-001

**RIGID CHOPPER
 DIMENSIONS**
DESIGN CR-200-2

CR-200-2



MATERIAL SCHEDULE

Item	By Builder	Quantity
1) STEERING NECK	-	-
2) BACKGROUND (TOP TUBE)	1.25x.120 ERW	3-4
3) SEAT POST	1.25x.120 ERW	2-2
4) NECK GUSSET TUBE	1.25x.120 ERW	16
5) WISHBONE TUBES (2)	1.25x.120 ERW	36
6) DOWN TUBES 1 (2)	1.25x.120 ERW	8-4 EA.
7) BOTTOM RAILS 1 (2)	1.25x.120 ERW	12
8) SEAT POST BRACE	1.25x.120 ERW	12
9) REAR TRANS BRACE	1.25x.120 ERW	12
10) WISHBONE BRACE	1.25x.120 ERW	12

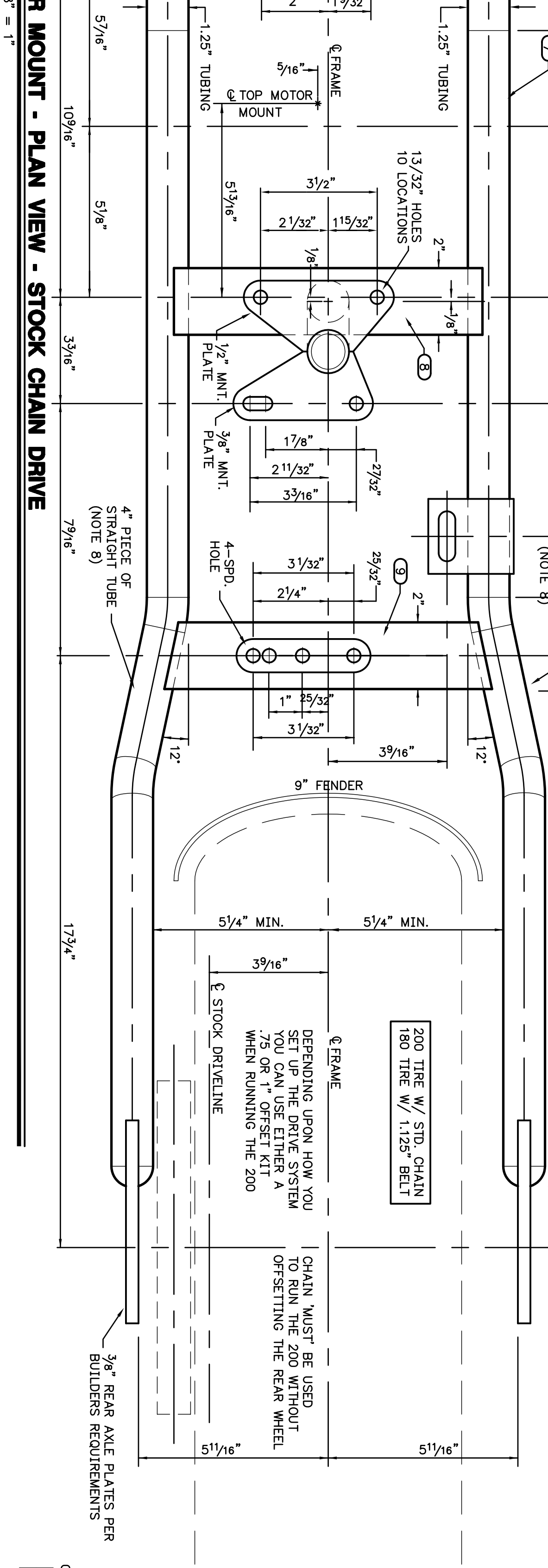
GENERAL NOTES

- 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 ANY OTHER CONSTRUCTION PROJECTS.
- BASE REFERENCE DIMENSIONS SHOWN HEREON WERE DERIVED FROM HARLEY-DAVIDSON SHOP DRAWINGS DATED AUGUST 22, 1991 FOR THE REVERED PANHEAD MOTOR INSTALLATION. (GEM 4700-48A).
- THE FRAMES SHOWN HEREIN ARE INTENDED FOR USE WITH STOCK HUBS AND SPOKES. FOR HIGH PERFORMANCE MODIFICATIONS, CONSULT THE DESIGNER FOR APPROPRIATE DIMENSIONAL CHANGES.
- FRAMES AND/OR COMPONENTS DELETED HEREIN ARE INTENDED TO BE CONSTRUCTED BY SKILLED PROFESSIONAL WELDERS AND FABRICATORS WHO WILL NOT BE RESPONSIBLE FOR DAMAGES THAT RESULT FROM IMPROPER APPLICATION AND INTERPRETATION OF THESE DRAWINGS OR SUB-STANDARD WORKMANSHIP.
- NOTE THAT UNLESS SPECIFIED OTHERWISE ALL TUBING BENDS ARE 90 DEGREE BENDS.
- THE VERTICAL DISTANCE BETWEEN THE SEAT AND WING MOUNT PLATE AND THE FRONT TRANSMISSION MOUNT VARIES DEPENDING UPON THE MODEL OF TRANSMISSION AND PLATE BEING USED. FOR STOCK 4-SPEEDS IT IS 7.25" FOR A 5-SPEED MOUNT IT IS USUALLY 2.893".
- PLEASE VERIFY THESE DIMENSIONS AGAINST THE ACTUAL PARTS YOU HAVE ELECTED TO USE.
- SEE THE SERIAL FRAME PLANS POSTED AT THE SITE FOR DIMENSIONS DEPENDING UPON YOUR PARTICULAR BENDER AND THE MATERIAL BEING USED. PLEASE VERIFY THESE DIMENSIONS AGAINST THE SERIAL FRAME PLANS OR SHORTER TO KEEP THE INSIDE WIDTH OF THE REAR LOWER RAILS TO THE CORRECT SPACING.

GENERAL NOTES

- THE WIDTH OF THE FRONT MOTOR MOUNT BAR AND LOCATION OF FORWARD MOTOR MOUNT IS DETERMINED BY THE FABRICATOR.
- ALL BENDS ARE 90 DEGREE BENDS UNLESS NOTED OTHERWISE.
- THIS IS A ROTATED 32" UP-BEND THAT PUTS THE REAR TUBE INWARD AND UPWARD AT THE SAME TIME. 18" DEPENDING UPON YOUR PARTICULAR BENDER.
- THIS IS A ROTATED 32" UP-BEND AND UPWARD AT THE SAME TIME. 18" DEPENDING UPON YOUR PARTICULAR BENDER.
- THIS RAIL MAY BE ASYMMETRICAL AND BROUGHT IN IF DESIRED.

MOTOR MOUNT - PLAN VIEW - STOCK CHAIN DRIVE



SCALE 3/8" = 1"