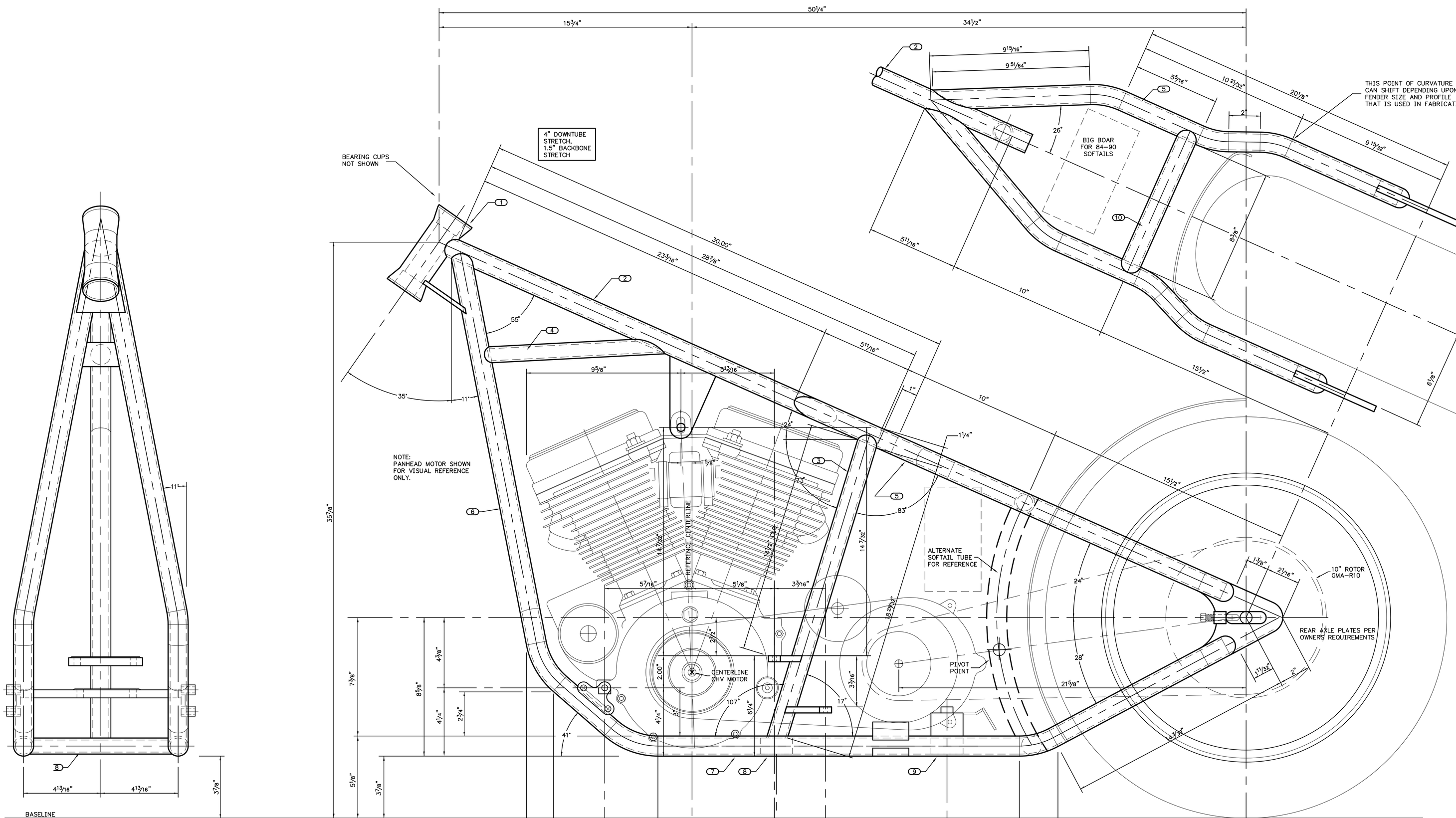
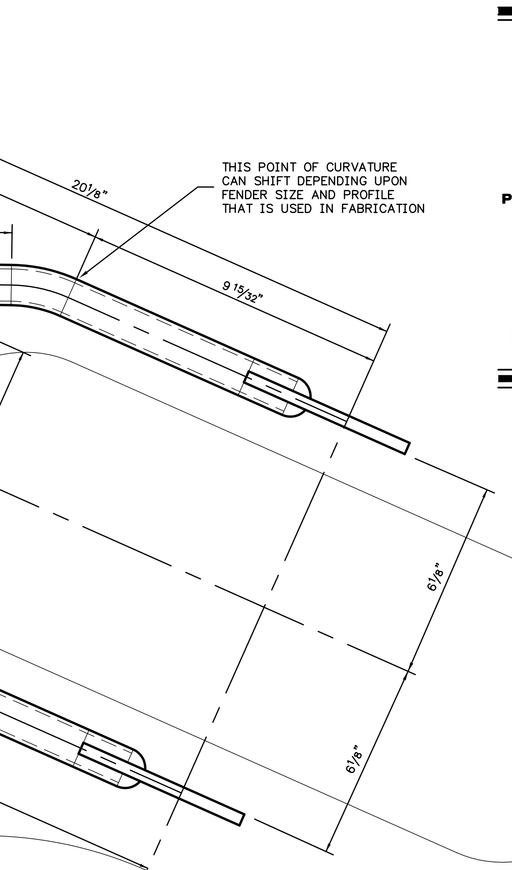
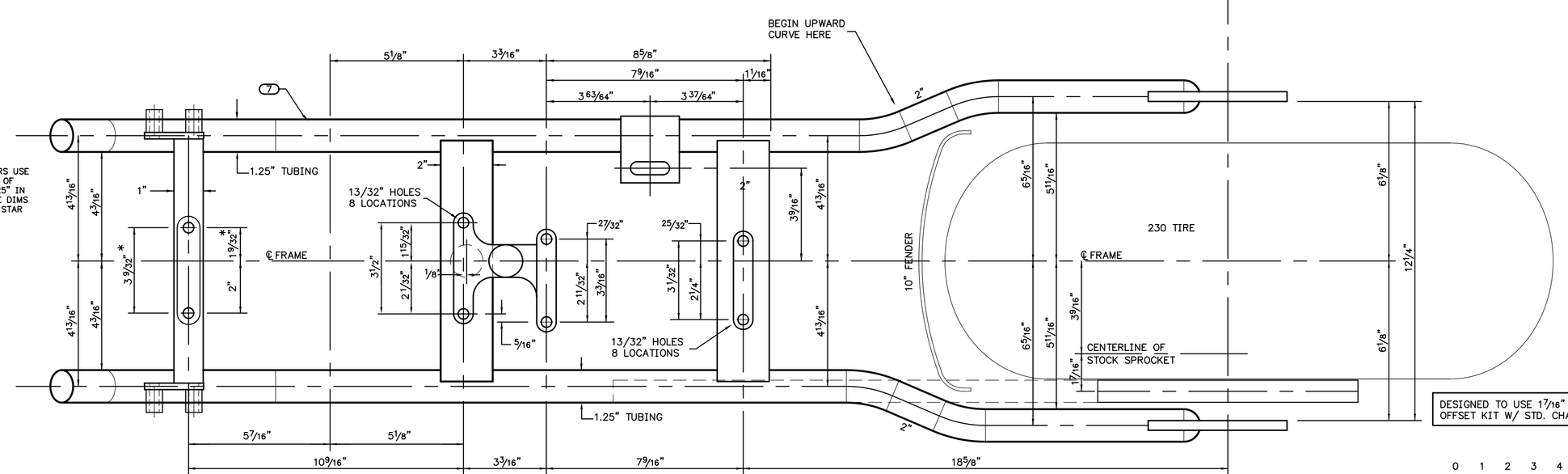
CHOPPER BUILDERS HANDBOOK







NOTE:
SOME BUILDERS USE
A DIMENSION OF
3.25" AND 1.25" IN
PLACE OF THE DIMS
SHOWN W/ A STAR

DESIGNED TO USE 17/16" DAYTEC
OFFSET KIT W/ STD. CHAIN

0 1 2 3 4 5 6

MOTOR MOUNT - PLAN VIEW - STOCK CHAIN DRIVE

SCALE 3/8" = 1"

MATERIAL SCHEDULE

1	STEERING NECK	KSP OR EQUAL	–
2	BACKBONE (TOP TUBE)	1.25x.120 ERW	30"
3	SEAT POST	1.25x.120 ERW	22"
4	NECK GUSSET TUBE	1.25x.120 ERW	12"
5	WISHBONE TUBES (2)	1.25x.120 ERW	36" EA.
6	DOWN TUBES (2)	1.25x.120 ERW	102" EA.
7	BOTTOM RAILS (2)	1.25x.120 ERW	
8	SEAT POST BRACE	1"x2"x.120 CR	12"
9	REAR TRANS BRACE	1"x2"x.120 CR	12"
10	WISHBONE BRACE	1.25x.120 ERW	12"

CUT LENGTHS SHOWN ARE NOMINAL AND PROVIDE AMPLE ALLOWANCES FOR FITTING AND NOTCHING.

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. BASE REFERENCE DIMENSIONS SHOWN HEREON WERE DERIVED FROM HARLEY-DAVIDSON SHOP DRAWINGS DATED AUGUST 22, 1951 FOR THE REVISED PANHEAD MOTOR INSTALLATION. (OEM 47004-49A).
3. 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.
4. 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.
5. NOTE THAT UNLESS SPECIFIED OTHERWIDE ALL TUBING BENDS ARE BASED UPON A 4.5" CENTERLINE RADIUS.

© 2001, 02, 03, 04, 05 G.W. WEISHAUPT, ALL RIGHTS RESERVED.

GARY W. WEISHAUPT

PERFORMANCE ENGINEERING
CHASSIS FABRICATION
FLOWBENCH TESTING
MACHINE WORK
RESTORATIONS

1490 RIVER PARK BLVD.
NAPA, CALIFORNIA 94559
Ph. 707-252-3427
Fax 707-252-3427
email: gww25@pacbell.net

Revision	Date
* INITIAL LAYOUT	12-7-85
* GENERAL REVISION	9-27-01
* GENERAL REVISION	3-4-03
* GENERAL REVISION	7-4-03
* GENERAL REVISION	11-1-03
*	
*	

Key Plan

Project Title

PROTOTYPE RIGID CHOPPER FRAME

CUSTOM RIGID 230 TIRE FRAME

Drawn By	GWW
Date	11-1-03
Checked By	HC
Date	11-1-03
Scale	3/8" = 1"
File No.	–
Project No.	–

Sheet Description

RIGID CHOPPER DIMENSIONS

DESIGN CR-230

Sheet No.

CR-230