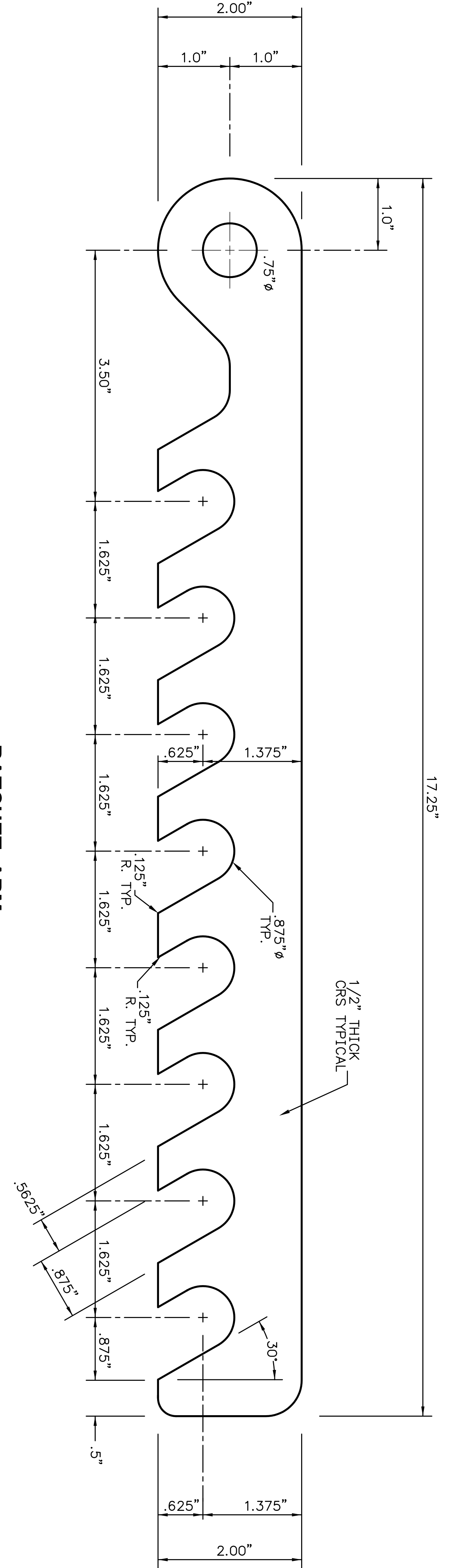


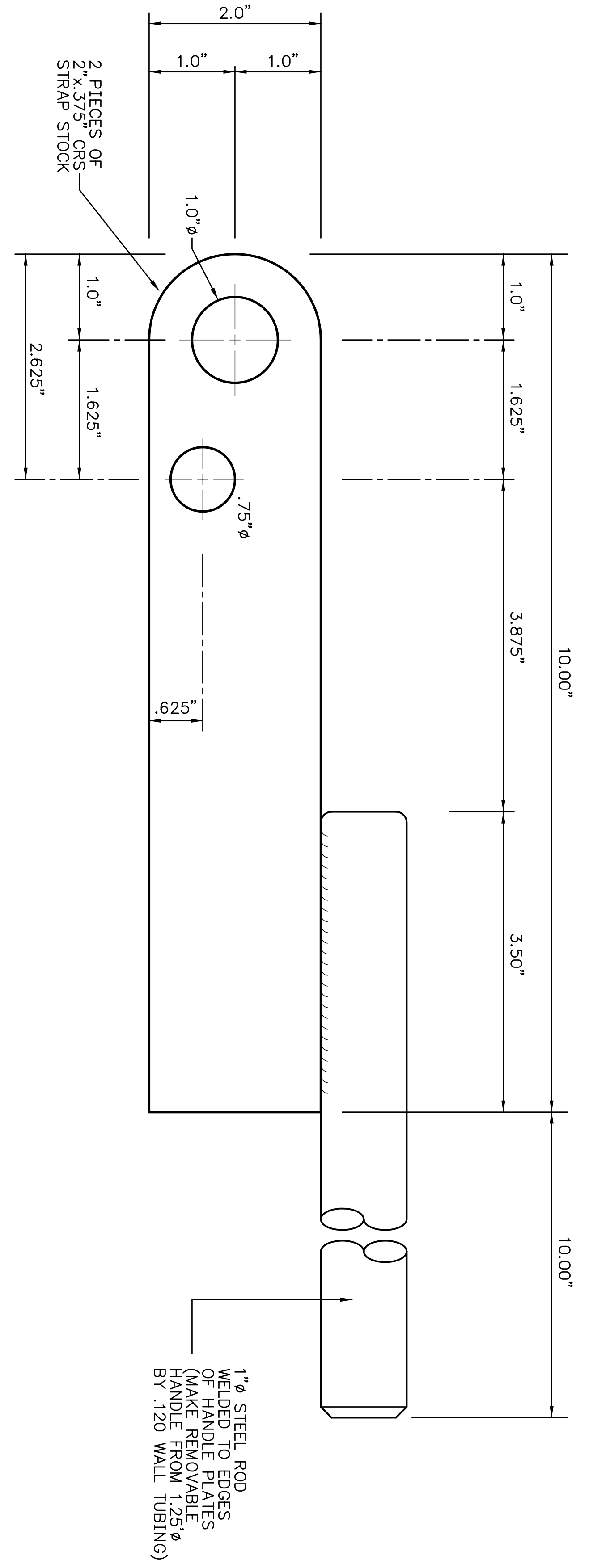
GARY W. WEISHAUPT
 PERFORMANCE ENGINEERING
 CHASSIS FABRICATION
 FLOW BENCH TESTING
 STRUCTURAL ANALYSIS
 REPAIRS AND RESTORATIONS

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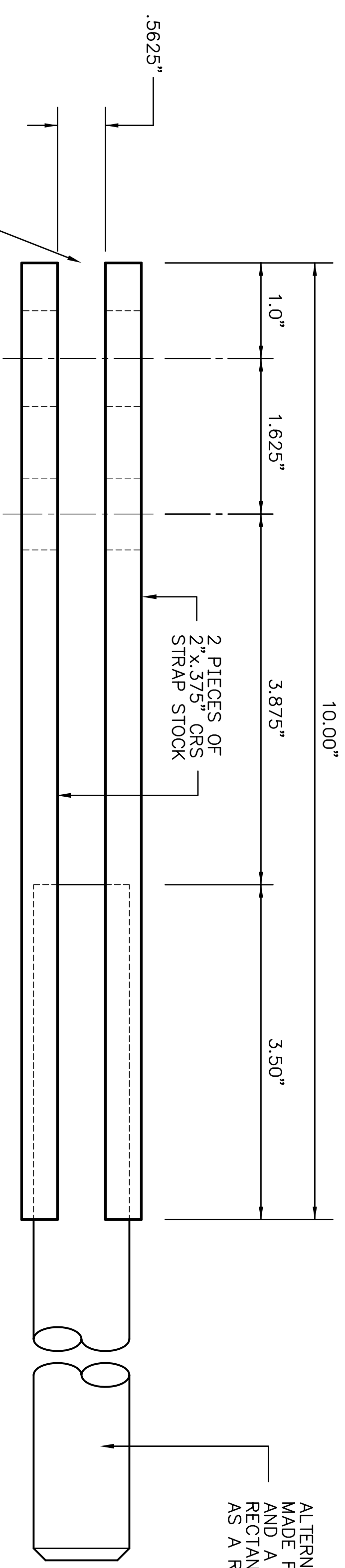
Revision	Date
* INITIAL LAYOUT	12-7-04
* GENERAL REVISION	7-20-06



RATCHET ARM
 2"x1/2" C.R. STEEL
 1 EACH REQUIRED



CONTROL HANDLE
 TOP VIEW
 CUT 2 PIECES



CONTROL HANDLE
 SIDE VIEW

THE RATCHET BAR
 AND HANDLE PLATES
 BETWEEN THE HANDLE
 PLATES. ADJUST THE
 SPACE WIDTH AS
 REQUIRED IF YOUR
 RATCHETS THICKER
 THAN THE THICKER
 ABOUT 1/16" CLEARANCE.

ALTERNATIVELY THIS STUB CAN BE
 MADE FROM 1"x7/8" STEEL BAR STOCK
 AND A SECTION OF 1/2"x1.20 WALL
 TUBING CAN BE USED
 AS A REMOVABLE HANDLE

Project Title
**CHOPPER
 BUILDERS
 HANDBOOK**

Sheet Description
**BUDGET
 TUBING
 BENDER**

Drawn By	GWM
Date	7-20-06
Checked By	HC
Date	7-24-06
Scale	1" = 1"
Proj. No.	-
Sheet No.	-

Sheet Description
**RATCHET ARM
 AND
 CONTROL
 HANDLE**

Sheet No.
CBTB-4.1