

# Metal-1 Instructions

Working in parallel with a partner, you'll be asked to fabricate two "widgets" from steel. Plans are on pages 3 and 4. You'll be using powered and hand tools. Before starting the project, you need to read the safety instructions for each of the powered tools, and (at a minimum) peruse the operator's manual for those tools.

In the MakerSpace web site, open the [Safety and Manuals](#) tab and **read** the following sets of safety instructions:



C:\Users\Cedric Walker\Desktop\Metal-1 preamble.doc

Also, open and peruse the highlights of each of the manuals for the tools you'll be using. Find out how to turn them on (if powered) and operate each one.

### Operator's Manual **CRAFTSMAN**

18"  
3 Speed  
BAND SAW

Model No.  
351.243981

**CAUTION:** Read and follow  
all Safety Rules and Operating  
Instructions before First Use  
of this Product.

Sears, Roebuck and Co., Hoffman Estates, IL 60179 U.S.A.

866-21 DIAL (241507)

SAFETY

ASSEMBLY

OPERATION

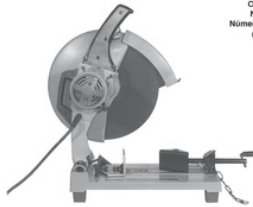
MAINTENANCE

PARTS LIST



OPERATOR'S MANUAL  
MANUEL de L'UTILISATEUR  
MANUAL del OPERADOR

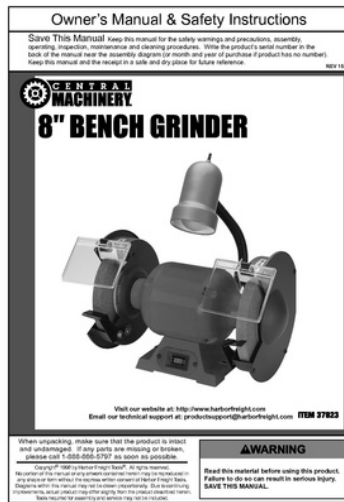
Catalog No.  
No de Cat.  
Número de Catálogo  
6176-20



HEAVY-DUTY 14" ABRASIVE CUT-OFF MACHINE  
EXTRA ROBUSTE TRONÇONNEUSE 35,6 cm À DISQUE ABRASIF  
SIERRA TRONZADORA ABRASIVA DE 35,6 cm, HEAVY DUTY

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND OPERATOR'S MANUAL.  
AVANT DE RÉDUIRE LE RISQUE DE BLESSURES, L'UTILISATEUR DOIT LIRE ET BIEN COMPRENDRE LE  
MANUEL DE L'UTILISATEUR.  
PARA REDUCIR EL RIESGO DE LESIONES, EL USUARIO DEBE LEER Y ENTENDER EL MANUAL DEL  
OPERADOR.

Downloaded from [www.ManualsLib.com](http://www.ManualsLib.com) search results page



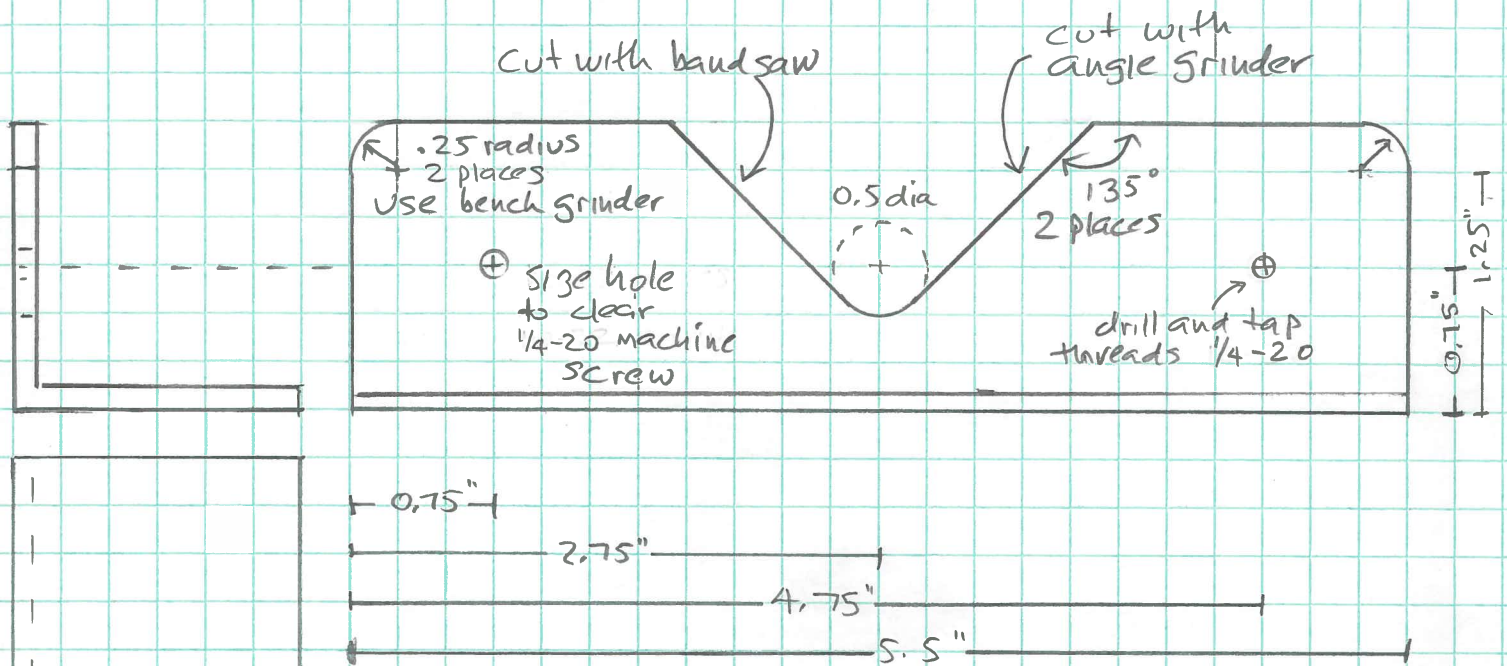
Operating Instructions and Parts Manual  
16 ga. x 50 in. Bench Box and Pan Brake  
Model BFB-1650



JET  
427 New England Road  
Lebanon, Tennessee 37066  
Ph. 800-274-6648  
[www.jettools.com](http://www.jettools.com)

Part No. M 754195  
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Surface finish: Sandblast  
 material: 1 1/2" x 1/8" steel angle iron  
 cut to 5 1/2" long with Milwaukee chop saw

tools used:

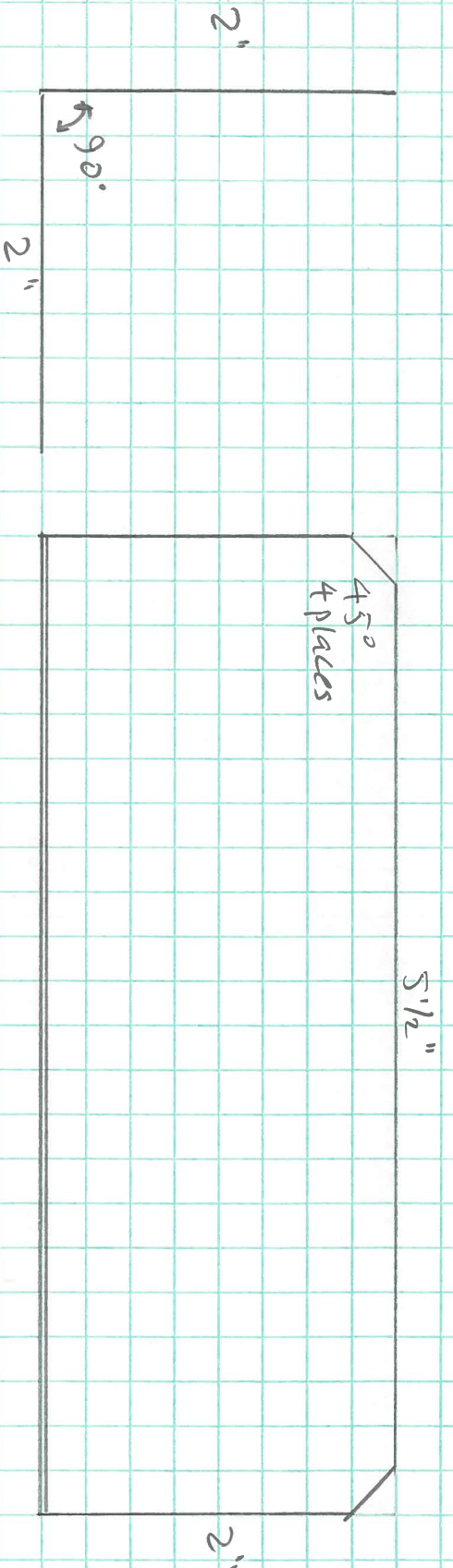
chop saw to cut to length  
 band saw for one diagonal  
 angle grinder for other diagonal  
 drill press for 3 holes (precision)  
 bench grinder for radius corners  
 abrasive blast cabinet to finish  
 tap set for threaded hole

Metal 1 badge

Widget #1

Qty: 1 per person  
 work in groups of 2  
 Scale 1:1





Surface finish: none  
 Material: 30 ss galvanized steel  
 cut to size on shear  
 bend with brake

tools used: shear  
 brake  
 tin snips

Metal 1 badge  
 Widget #2  
 Qty: 1 per person  
 work in groups of 2  
 scale 1:1