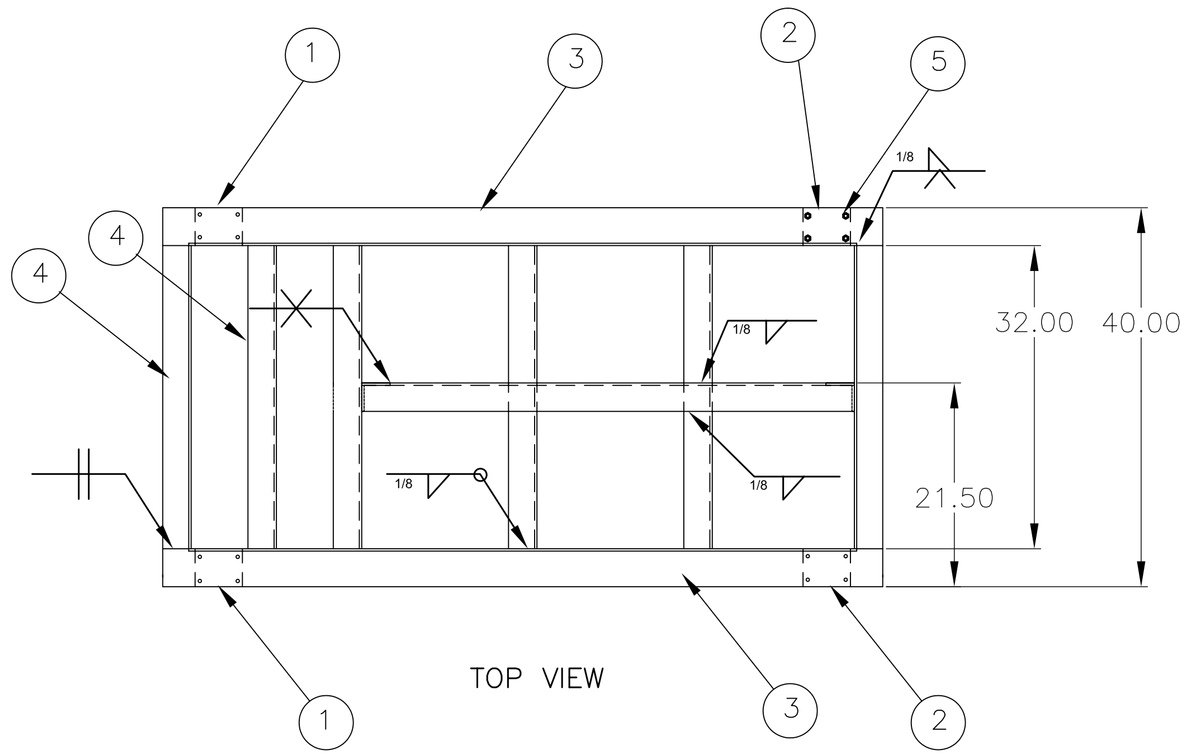
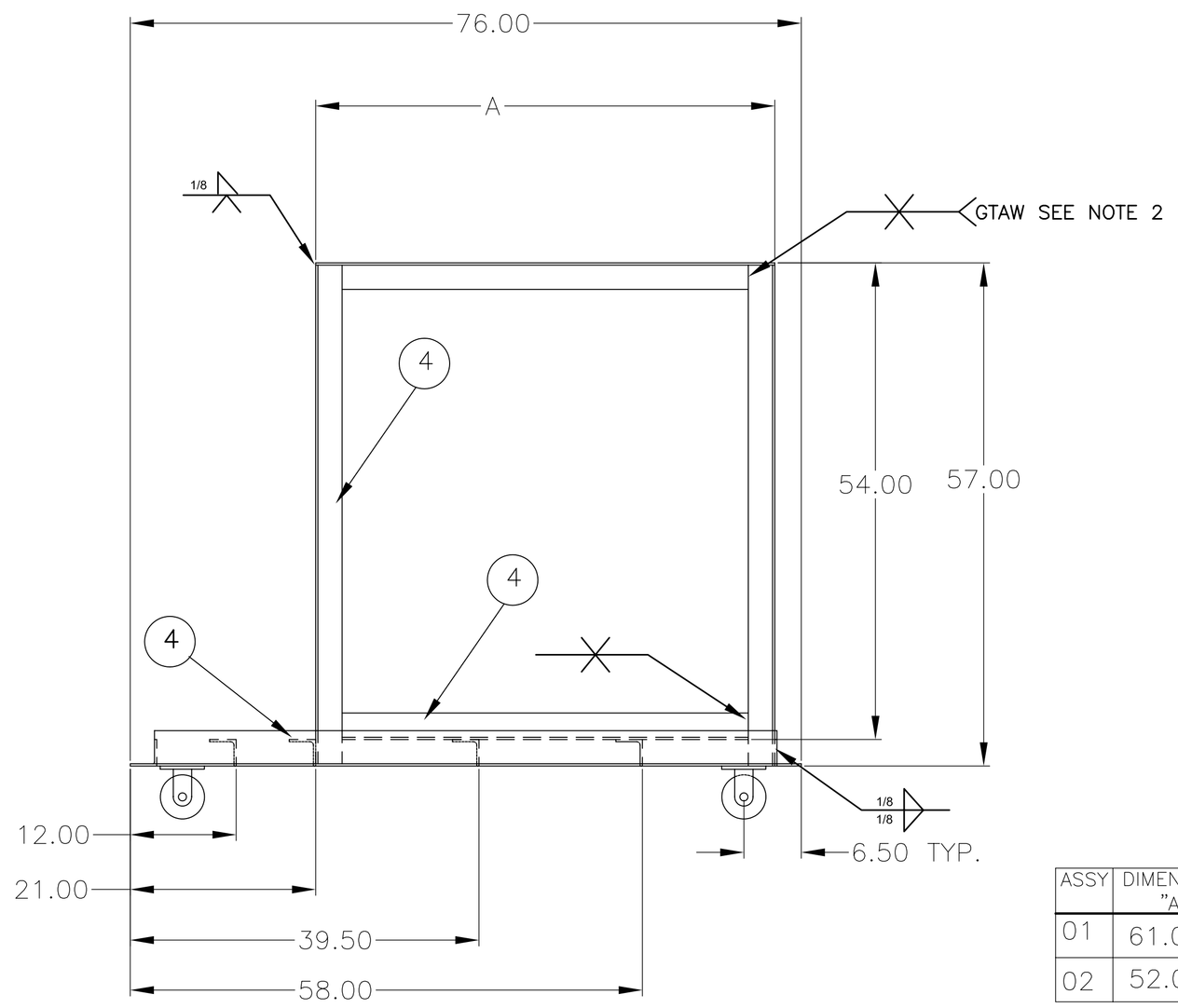
NO.	REVISION	BY	CH	SUP	APPROVED	DATE



TOP VIEW



ASSY	DIMENSION "A"
01	61.00
02	52.00

FRONT ELEVATION

NOTES:

1. CART ONE AND CART TWO ARE CONSTRUCTED OF 3"x 3" STEEL ANGLE, 1/4" THICK. NOTE THAT THE TWO OUTER RAILS ON EACH CART ARE 4"x 4" STEEL ANGLE.

2. WELDING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.1 AND PPPL PROCEDURE EM-002. VISUAL WELD INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ACCEPTANCE CRITERIA OF AWS D1.1 SECTION 6.

3. REMOVE ANY RUST AND SCALE FROM CART. PAINT CARTS WITH TWO BRUSHED COATS OF BLACK RUSTOLEUM PAINT.

REFERENCE DRAWINGS:

FOR SYSTEM DRAWING REFERENCES SEE DWG. SE144E020.

	16	16	5	1" LONG, 3/8-16 BOLT WITH NYLON LOCK NUTS (4 PER WHEEL)	COMM.	18-8 STAIN. STL.
	AS REQ'D	AS REQ'D	4	3"x3" ANGLE, 1/4" THICK	THIS DWG.	ASTM A-36 STEEL
	AS REQ'D	AS REQ'D	3	4"x4" ANGLE, 1/4" THICK	THIS DWG.	ASTM A-36 STEEL
	2	2	2	RIGID CASTER, McMASTER CARR #30305T65 OR EQUIVALENT	COMM.	STEEL
	2	2	1	SWIVEL CASTER WITH LOCK, McMASTER CARR #30305T86 OR EQUIVALENT	COMM.	STEEL
	1	--		CART #2	THIS DWG.	-----
	--	1		CART #1	THIS DWG.	-----
03	02	01	PART NO.	NOMENCLATURE OR DESCRIPTION	DRAWING NO.	MATERIAL

SD144E023.DWG

COMPUTER GENERATED DRAWING
MANUAL CHANGES NOT PERMITTED

AutoCAD2000

DO NOT VERIFY INFORMATION BY SCALING DRAWING

SCALE: 1"=1'-0"

NEXT ASSEMBLY

CENTRAL FILES:

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
MACHINE SURFACES 125

BREAK SHARP EDGES .005/.020

TOLERANCES NON-CUMULATIVE

DECIMAL-INCH: .X ± .100; .XX ± .030; .XXX ± .005; ANGULAR ±0°-15'
FRACTIONS: 0"-12" ±1/16; 12"-72" ±1/8; 72"-120" ±1/4; OVER 120" ±1/2

WELDING ENGINEER
APPVD: R. PARSELLS DATE 6/10/03

PRINCETON PLASMA PHYSICS LABORATORY
PRINCETON UNIVERSITY
NATIONAL COMPACT STELLERATOR EXPERIMENT
MODULAR COILS-TOOLING AND WINDING
AUTOCLAVE
CART FABRICATION DRAWING

DIV: ELECTRICAL | DATE: 2/16/03 | CADD FILE: SD144E023.DWG
ENG: FRANK JONES | APPROVED FRANK JONES | SD144E023
DWN: FRANK JONES
CHK: LEW MORRIS | CHK LM | SUPV JS
SHEET OF | REV 0

MechDsize