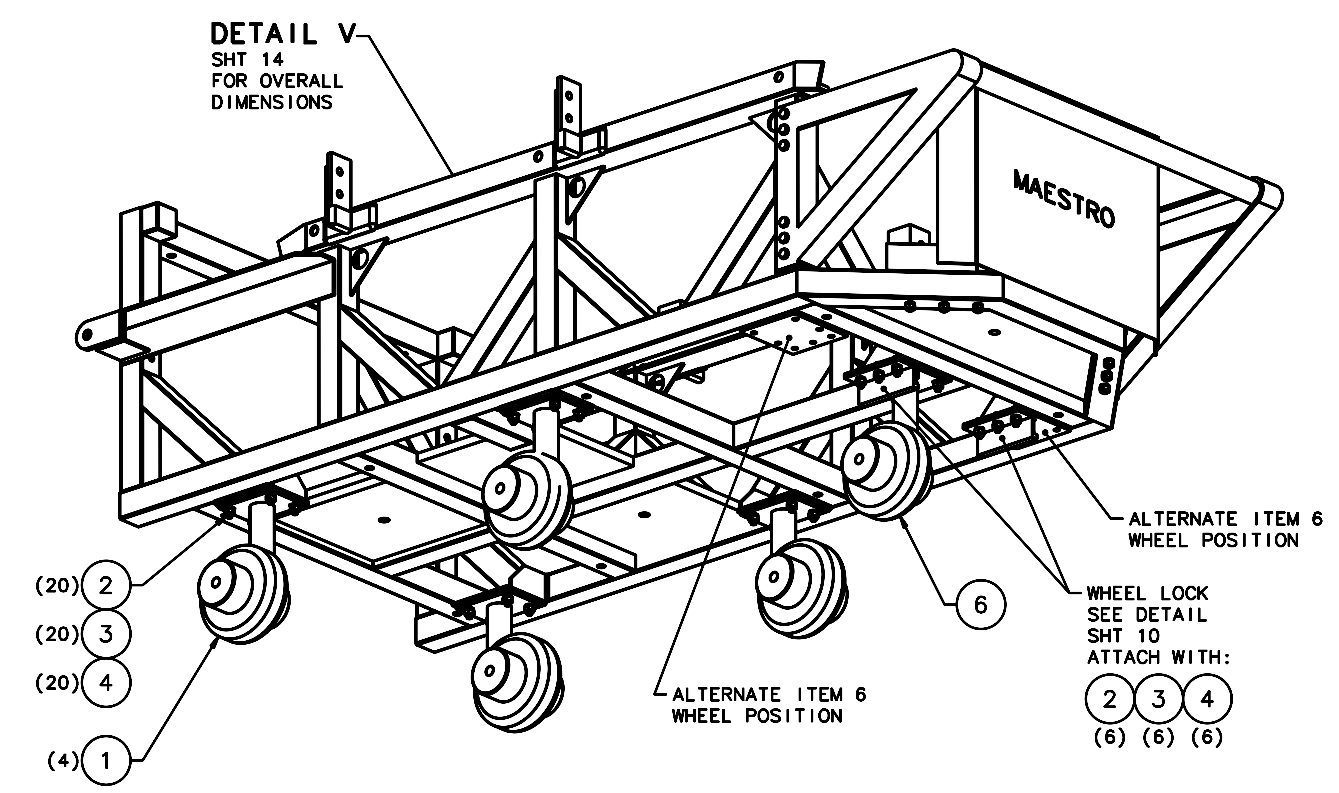
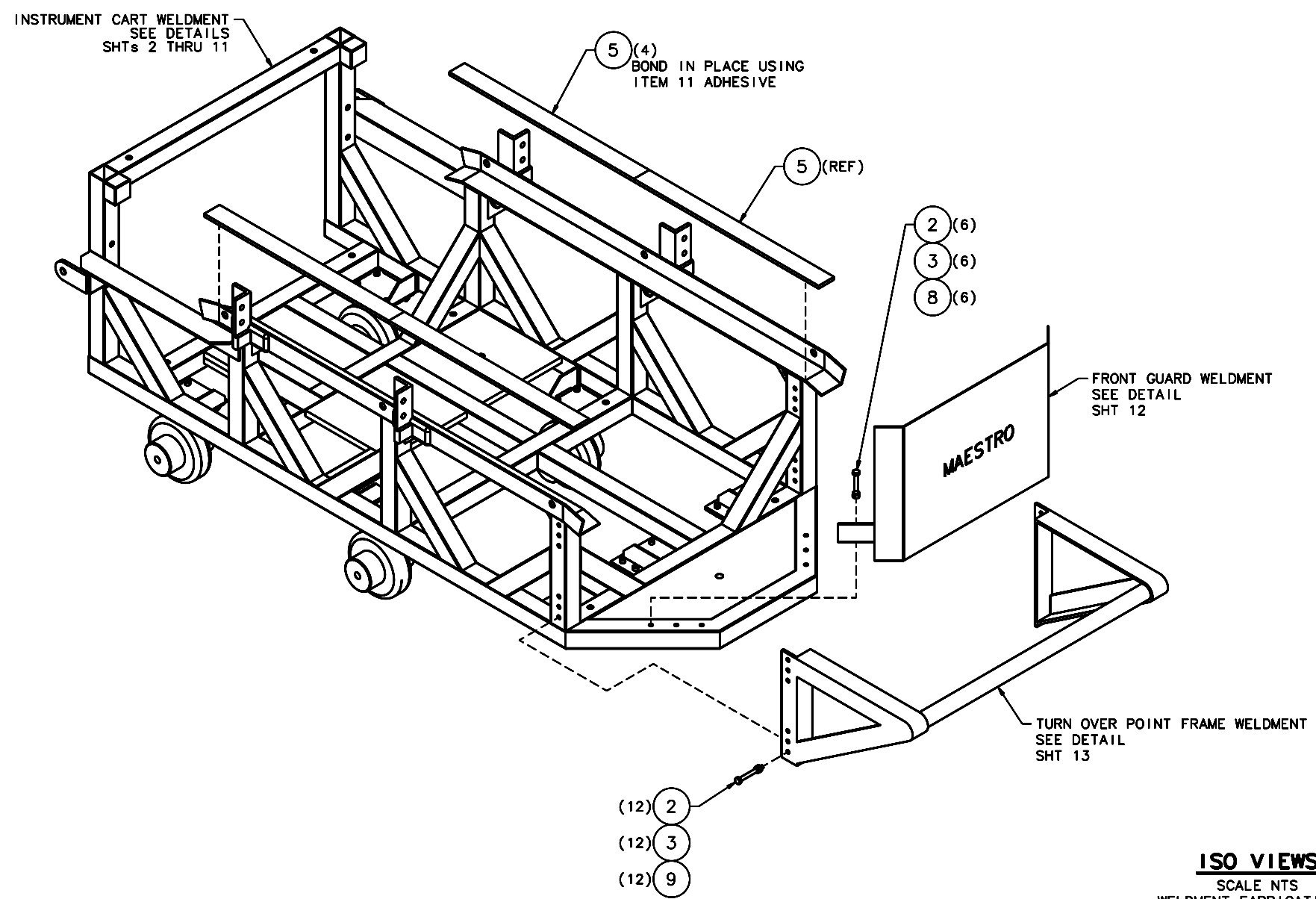


REVISIONS				
LTR	DESCRIPTION	DATE	REVISED BY	APPROVED
A	INITIAL RELEASE	4/20/05	R. NAGY	W. DAVISON
B	UPDATED ALL SHTs: SEE EACH SHT FOR CHANGES; ADDED SHTs 13 & 14 SHT 1: ADDED "TURN OVER POINT FRAME" & "WHEEL LOCK"; ADDED ISO VIEW & ITEM 9; CLARIFIED ITEM NO.s; ITEM 8 WAS 3 3/4" LG	6/24/05	R. NAGY	W. DAVISON



ISO VIEWS
SCALE NTS
WELDMENT FABRICATION &
ADDITIONAL ASSEMBLY VIEWS ON SHTs 2 THRU 14

- NOTES:
- 1 DIMENSIONS ARE FRACTIONAL WITH TOLERANCES UNLESS OTHERWISE NOTED: ±1/16".
 - 2 APPLICABLE TO ALL WELDMENTS:
 - A. BREAK ALL SHARP EDGES & DEBURR HOLES.
 - B. GRIND ALL WELDS FOR SMOOTH APPEARANCE.
 - C. MACHINED SURFACES TO BE 125 RMS OR BETTER; ALL OTHERS 250 RMS.
 - D. MATERIAL : ASTM A36 STEEL.
 - E. CAP OFF OPEN TUBE ENDS UNLESS OTHERWISE NOTED.
 - F. ALL SURFACES ARE TO BE PRIMED WITH TWO (2) COATS OF RED OXIDE PRIMER (RUST-OLEUM #7669 OR EQUIVALENT) & THEN PAINTED WITH TWO (2) COATS OF ALKYD ENAMEL GLOSS BLUE (KELGARD #1700-064 OR EQUIVALENT).
 - G. INSTRUMENT CART WELDMENT ONLY: MATCH DRILL HOLES (SECTION C-C, SHT 4) PER 14522 FRAME WELDMENT & COUNTERWEIGHT ASSEMBLY, NOTE 1B.
 - H. FRONT GUARD WELDMENT ONLY (SHT 12): PAINT "MAESTRO" ON FRONT PLATE APPROX WHERE SHOWN IN WHITE.
 3. CART WEIGHT = 950 LBS.
 - 4 WHEELS TO BE SUPPLIED BY STEWARD OBSERVATORY.

QTY PER ASSY	-3	-2	-1	PART NUMBER	PART DESCRIPTION	MANUFACTURER or MAT'L SPEC	ITEM NO.	
				AR	SKU #18614	GEL EPOXY, SUPER STRENGTH	ACE HARDWARE	11
								10
				12	91257A730	1/2-13 x 4 1/2" LONG BOLT, STL, GRADE 8, Zn PLATED	McMASTER-CARR	9
				6	91257A728	1/2-13 x 4" LONG BOLT, STL, GRADE 8, Zn PLATED	McMASTER-CARR	8
								7
4				1	S-SPCH-13DB-1	10" DIA. 3" WIDE DURALAST WHEEL	HAMILTON	6
				4	86215K56	1/4"X3"X36" SANTOPRENE RUBBER	McMASTER-CARR	5
				26	90128A716	1/2-13 X 1 1/2" LONG SOCKET HEAD CAP SCREW, STL, Zn PLATED	McMASTER-CARR	4
				44	91102A770	1/2 x .869" OD x .125" THK LOCK WASHER, STL, Zn PLATED	McMASTER-CARR	3
				38	94895A823	1/2-13 x 7/16" HIGH HEX NUT, STL, GRADE 8, Zn PLATED	McMASTER-CARR	2
4				4	S-SPCH-13DB-2	10" DIA. 3" WIDE DURALAST WHEEL	HAMILTON	1

DO NOT SCALE DRAWING
INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94

TOLERANCES UNLESS OTHERWISE SPECIFIED
LINEAR .XX ±.001
ANGULAR .XXX ±1°
DIAMETRICAL SEE SPEC 5-002

MATERIAL 2D

FINISH 2F

THIS DRAWING CREATED IN:
ACAD MECH IDEAS

DESIGNED BY: D. DEAN DATE: 1/15/05 CATEGORY: MMT
DRAWN BY: D. DEAN DATE: 2/25/05 PROJECT: MAESTRO
CHECKED BY: T. HOPPER DATE: 4/13/05 TITLE: INSTRUMENT CART WELDMENT & ASSEMBLY
APPROVED: J. BECHTOLD DATE: 4/20/05
APPROVED: R. WARNER DATE: 4/20/05

14522 MMT-MAESTRO
NEXT ASSY USED ON
ASSEMBLY APPLICATION

Steward Observatory, University of Arizona
933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659

PLOT SIZE SCALE: D - DRAWING NUMBER: 14524 REVISION: B

CURRENT TIME/DATE/FILE LOCATION: DRAWING ARCHIVE LOCATION: <http://davinci1.cs.arizona.edu/ocod/default.html>

LAST LETTER USED: W