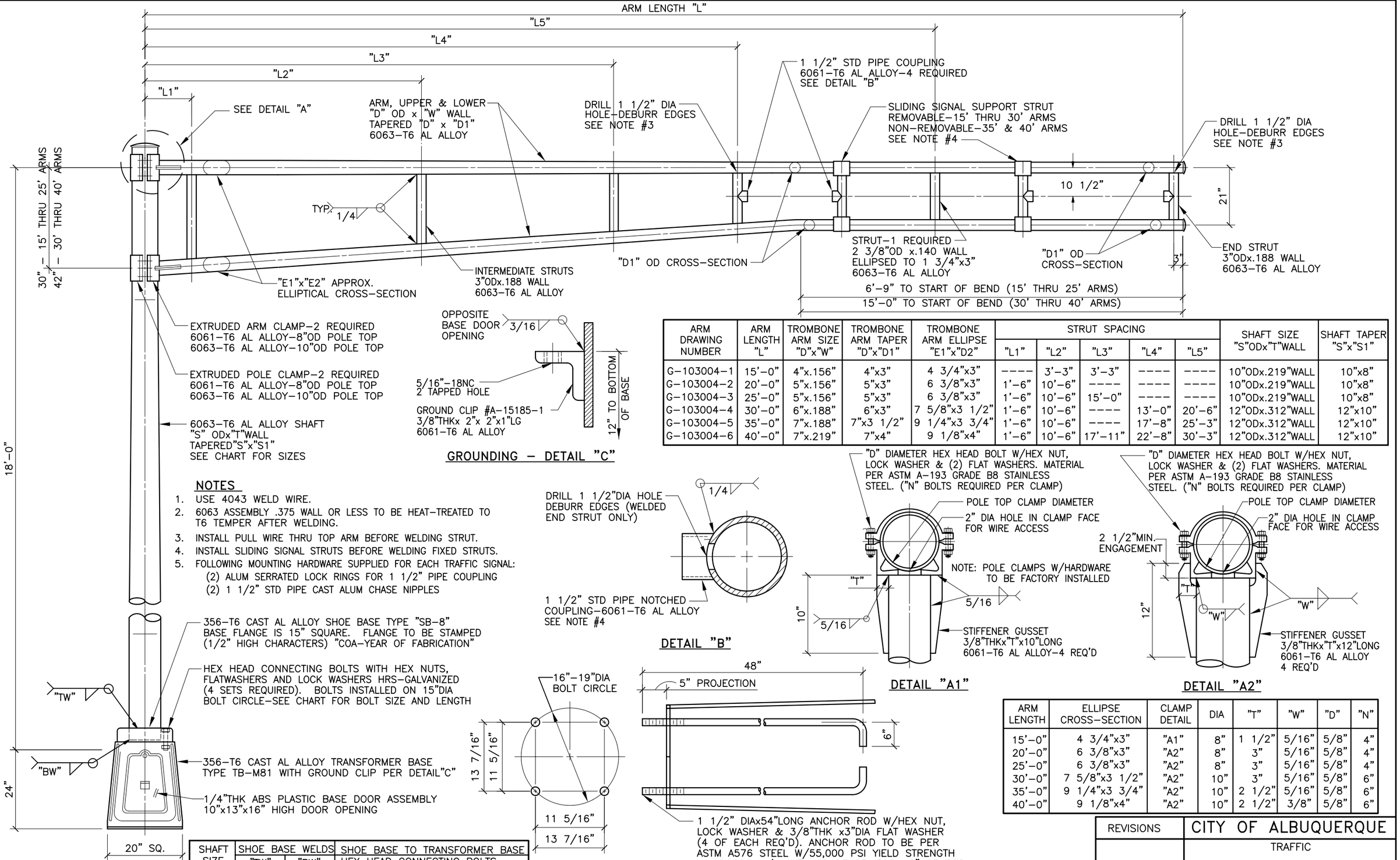

ARM DRAWING NUMBER	ARM LENGTH "L"	TROMBONE ARM SIZE "D"x"W"	TROMBONE ARM TAPER "D"x"D1"	TROMBONE ARM ELLIPSE "E1"x"D2"	STRUT SPACING "L1"	"L2"	"L3"	"L4"	"L5"	SHAFT SIZE "S"ODx"T"WALL	SHAFT TAPER "S"x"S1"
G-103004-1	15'-0"	4"x.156"	4"x3"	4 3/4"x3"	----	3'-3"	3'-3"	----	----	10"ODx.219"WALL	10"x8"
G-103004-2	20'-0"	5"x.156"	5"x3"	6 3/8"x3"	1'-6"	10'-6"	----	----	----	10"ODx.219"WALL	10"x8"
G-103004-3	25'-0"	5"x.156"	5"x3"	6 3/8"x3"	1'-6"	10'-6"	15'-0"	----	----	10"ODx.219"WALL	10"x8"
G-103004-4	30'-0"	6"x.188"	6"x3"	7 5/8"x3 1/2"	1'-6"	10'-6"	----	13'-0"	20'-6"	12"ODx.312"WALL	12"x10"
G-103004-5	35'-0"	7"x.188"	7"x3 1/2"	9 1/4"x3 3/4"	1'-6"	10'-6"	----	17'-8"	25'-3"	12"ODx.312"WALL	12"x10"
G-103004-6	40'-0"	7"x.219"	7"x4"	9 1/8"x4"	1'-6"	10'-6"	17'-11"	22'-8"	30'-3"	12"ODx.312"WALL	12"x10"

NOTES

1. USE 4043 WELD WIRE.
2. 6063 ASSEMBLY .375 WALL OR LESS TO BE HEAT-TREATED TO T6 TEMPER AFTER WELDING.
3. INSTALL PULL WIRE THRU TOP ARM BEFORE WELDING STRUT.
4. INSTALL SLIDING SIGNAL STRUTS BEFORE WELDING FIXED STRUTS.
5. FOLLOWING MOUNTING HARDWARE SUPPLIED FOR EACH TRAFFIC SIGNAL:
   (2) ALUM SERRATED LOCK RINGS FOR 1 1/2" PIPE COUPLING
   (2) 1 1/2" STD PIPE CAST ALUM CHASE NIPPLES

ARM LENGTH	ELLIPSE CROSS-SECTION	CLAMP DETAIL	DIA	"T"	"W"	"D"	"N"
15'-0"	4 3/4"x3"	"A1"	8"	1 1/2"	5/16"	5/8"	4"
20'-0"	6 3/8"x3"	"A2"	8"	3"	5/16"	5/8"	4"
25'-0"	6 3/8"x3"	"A2"	8"	3"	5/16"	5/8"	4"
30'-0"	7 5/8"x3 1/2"	"A2"	10"	3"	5/16"	5/8"	6"
35'-0"	9 1/4"x3 3/4"	"A2"	10"	2 1/2"	5/16"	5/8"	6"
40'-0"	9 1/8"x4"	"A2"	10"	2 1/2"	3/8"	5/8"	6"

SHAFT SIZE	SHOE BASE WELDS "TW"	"BW"	SHOE BASE TO TRANSFORMER BASE HEX HEAD CONNECTING BOLTS
15'-0"	5/16"	7/32"	1 1/4"-7NC-2 x 4 1/2" LONG
20'-0"	5/16"	5/16"	1 1/4"-7NC-2 x 5 1/2" LONG

REVISIONS	CITY OF ALBUQUERQUE
	TRAFFIC
	TRAFFIC SIGNAL MASTARM DETAILS, ALUMINUM
	DWG. 2561 JANUARY 2003