NOTES:

1. DESCRIPTION: ARTICULATING ARM CEILING MOUNT FOR USE WITH STAND ALONE PANEL DOMED DISPLAY MONITOR (GENERAL DIGITAL P/N 96-E80-01-1)

2. DESIGN FEATURES / REQUIREMENTS: DESIGN AND CONSTRUCTION SHALL BE APPROVED BY RAYTHEON

3. NO ADJUSTMENT / POSITIONING HANDLE SHALL BE PROVIDED AT THE BOTTOM OF THE MONITOR MOUNT ASSEMBLY TO ALLOW THE OPERATOR TO EASILY POSITION THE MONITOR TO ITS DESIRED LOCATION

4. THE ARM ASSEMBLY SHALL PROVIDE INTERNAL COUNTERBALANCE CAPABILITY TO SUPPORT THE WEIGHT OF THE MONITOR THROUGH ITS TOTAL DYNAMIC RANGE OF MOVEMENT. MON TOR WEIGHT IS 40 POUNDS

5. THE COUNTERBALANCE SYSTEM SHALL INCORPORATE A DRAG MECHANISM THAT WILL MAINTAIN THE MONITOR IN ANY POSITION WITHIN ITS VERTICAL ADJUSTABLE HEIGHT. THE DRAG MECHANISM SHALL BE EASILY ADJUSTABLE TO THE OPERATOR AT THE MONITOR POSITIONING HANDLE

6. THE ARTICULATING ARM ASSEMBLY SHALL PROVIDE A MINIMUM OF 360 DEGREES OF ROTATION AT PIVOT POINT B, 360 DEGREES OF ROTATION AT PIVOT POINT D, 360 DEGREES OF ROTATION AT PIVOT POINT C AND 45 (MIN) DEGREES OF TILT AT POINT D

7. A METHOD SHALL BE PROVIDED TO MAINTAIN THE MONITOR AT ANY POSITION WITHIN THE TILT RANGE AT POINT D

8. THE VERTICAL TRAVEL PROVIDED BY THE COUNTERBALANCE SYSTEM SHALL BE A MINIMUM OF 20 INCHES

9. NO MORE THAN 10 POUNDS OF FORCE SHALL BE REQUIRED TO MANEUVER THE MONITOR

10. THE FOLLOWING MATERIALS SHALL NOT BE USED IN THE CONSTRUCTION OF THE ARM:
    - CADMIUM OR CHROMIUM PLATING
    - MERCURY OR ASBESTOS
    - GLASS FIBER MATERIALS
    - SAFE MORTAR (LS ACCORDANCE WITH TITLE 26, CODE OF FED REG, CHAPTER I(I), PART 1(20))
    - RADIOACTIVE MATERIALS
    - NO MATERIALS THAT LIBERATE GASES WHICH MAY PRODUCE AN EXPLOSIVE ATMOSPHERE

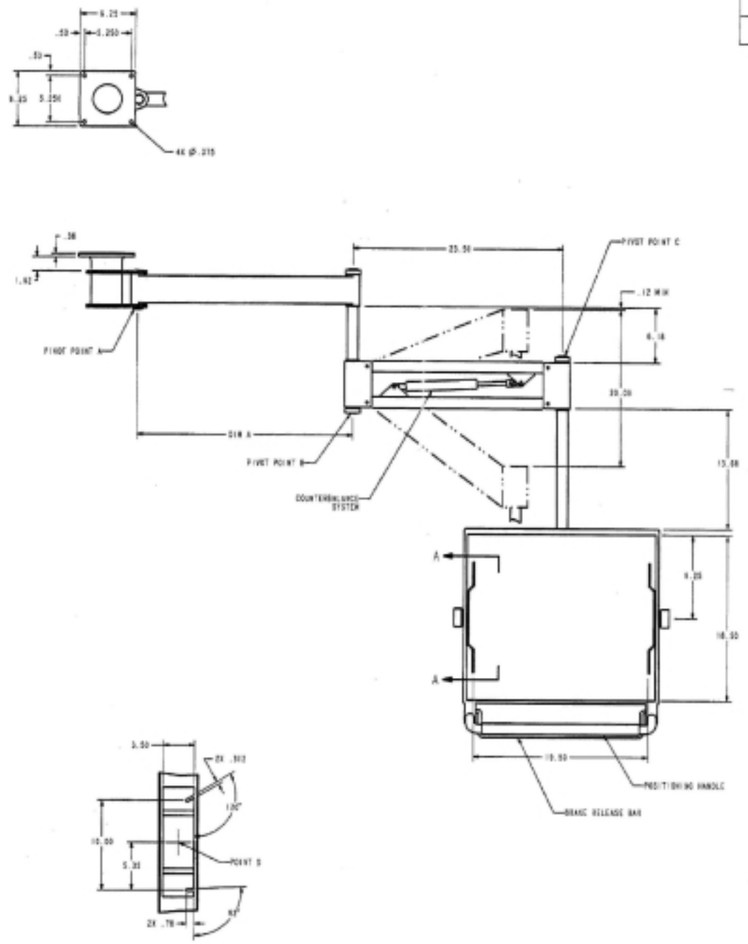
11. THE ARM ASSEMBLY SHALL CONFORM WITH UL1950 (SAFETY AND RESISTANCE TO FIRE)

APPROVED SOURCE(S) OF SUPPLY:

STRONGARM COMPUTER MOUNTINGS
555 HORSHAM ROAD, SUITE F
HORSHAM, PA. 19044

REVISION HISTORY				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	-	CAD MASTER PROJECT DATA BASE RELEASED PER TOOTTLE 55	2000-05-25	RJC

CAD MASTERED. CHANGES SHALL BE INCORPORATED BY THE DESIGN ACTIVITY.



RAYTHEON P/N	STRONGARM P/N	DESCRIPTION	DIMENSION X	ASSEMBLED WEIGHT WITH MONITOR
GT79455-1	NA	NOT USED	NA	NA
GT79455-2	53-800: TYPE II	2 FOOT EXTENSION ARM	24.00 (CHS)	TBD
GT79455-3	53-800: TYPE III	3 FOOT EXTENSION ARM	35.00 (CHS)	TBD
GT79455-4	53-800: TYPE IV	4 FOOT EXTENSION ARM	45.00 (CHS)	TBD

PRELIMINARY
CHECK PLOT
2000-05-03

SOURCE CONTROL DRAWING

PART NO. SEE TABLE

INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100, ANSI Y14.5M-1982

Raytheon — RAYTHEON COMPANY LEXINGTON, MA 02421

ARTICULATED CEILING MOUNT

CAGE CODE 49956 — DRAWING NO. GT79455

SIZE A — SCALE 1:4 — SHEET 1 OF 1