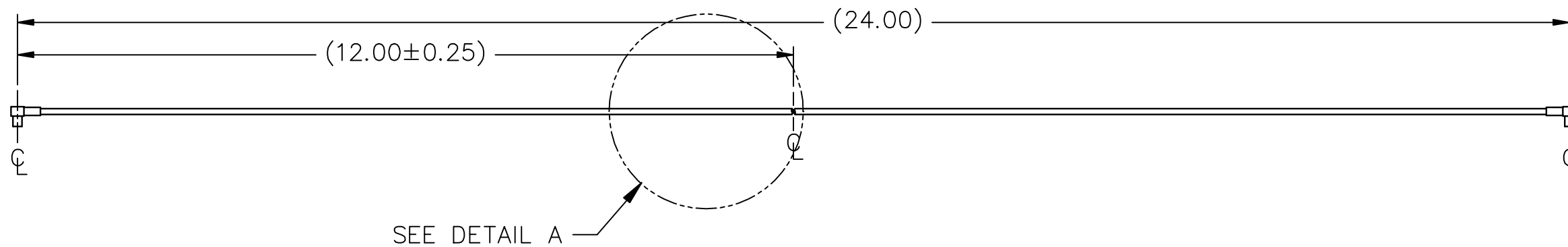
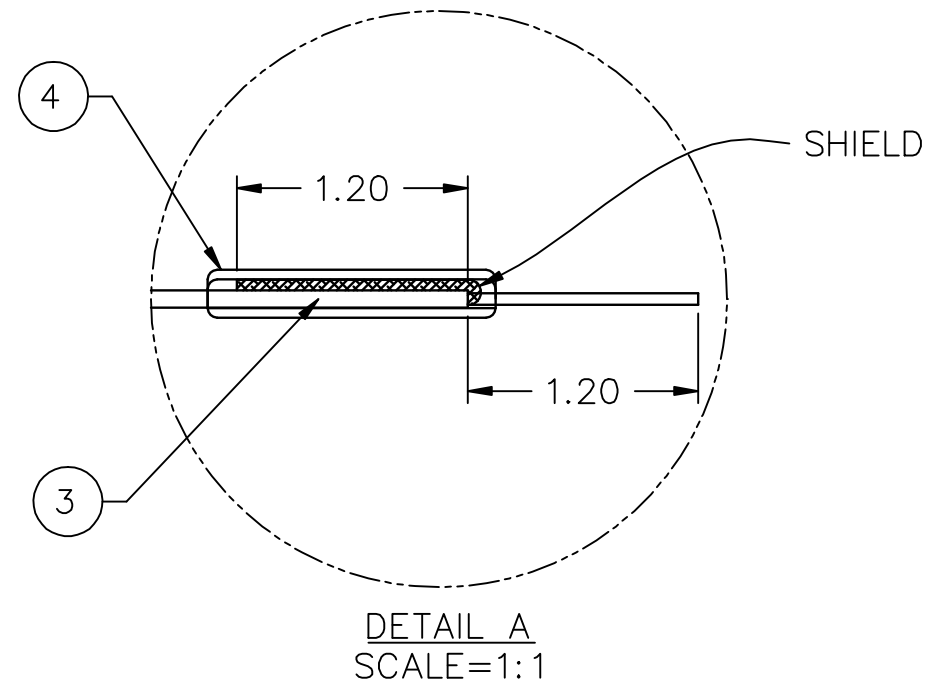


REVISIONS					
ZONE	REV	ECN	DESCRIPTION	DATE	REVISED BY



- 3) PULL CENTER CONDUCTOR THRU BRAIDED SHIELD. PULL SHIELD BACK TO SPECIFIED DIMENSION. SECURE TO CABLE WITH SHRINK TUBING (P/N 3).
- 2) STRIP OUTER CABLE JACKET (P/N 4) OFF 1.2"
- 1) CUT RG-178 CABLE (P/N 4) IN HALF.

NOTES:

ITEM #	QTY.	ITEM DESCRIPTION	MATERIAL DESCRIPTION	MFG. NAME	MFG. P/N	ECD P/N	REV
4	0.5	PATCH CORD	MMCX RA PLUGS, RG-178 (24")	JOHNSON/EMERSON	415-0068-024	Y20-2068-00	-
3	1.5"	TUBING ,SHRINK	.093" TEFLON 260*C	ALPHA WIRE	FIT-500-16	W50-0500-16	-
2	1	SUPPLY PRODUCTION, SHOP FLOOR	FGI LABEL			S43-0344-30	A
1	1	SUPPLY MISC.	BAG, 4"X 6" ZIP LOCK 4MIL			G00-0179-10	-

BILL OF MATERIALS

<p>NOTICE</p> <p>This drawing or document is the property of ECD, and embodies confidential proprietary design or data in which ECD retains all patent and other rights including exclusive rights of use, manufacture or sale. It is submitted under a confidential relationship for a specific purpose and the recipient agrees by accepting this drawing or document not to supply or disclose any information regarding it to any other party or to use it for any other purpose than the specific purpose for which submitted.</p>	<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES TOLERANCES ARE:</p> <p>FRACTIONS .X ± 0.030 ± 2' .XX ± 0.020 .XXX ± 0.010</p>		<p>FILENAME</p> <p>E47-6342-11_(-)</p>		<p>4287-B S.E. INTERNATIONAL WAY MILWAUKIE, OREGON 97222</p> <p>MEGAMOLE RF TRANSMITTER ANTENNA</p>			
	<p>MATERIAL</p> <p>AS NOTED</p>		<p>THIRD ANGLE PROJECTION</p>					<p>APPROVALS</p> <p>DATE</p> <p>10/23/07</p>
	<p>FINISH</p> <p>NONE</p>		<p>DO NOT SCALE DRAWING</p>		<p>DRAWN</p> <p>Neil Wol</p> <p>CHECKED</p>	<p>SIZE</p> <p>B</p>	<p>DWG NO.</p> <p>E47-6342-11</p>	<p>REV</p> <p>-</p>
					<p>RELEASED BY</p>	<p>SCALE</p> <p>1:2</p>	<p>SHEET</p> <p>1 OF 1</p>	

There is no external power amplifier or low noise amplifier, so total power at the antenna during broadcast will be +4dBm less the losses of the matching components, connector, and BALUN transformer (losses total about 1.5dBm). The antenna is not specifically matched, being 50 Ohm coaxial cable with the ground braid stripped and folded back over the cable leaving exposed about $\frac{1}{4}$ of a wavelength of insulated wire as the antenna element. An MMCX connector is used to attach the antenna cable assembly to the M.E.G.A.M.O.L.E. transceiver interface circuitry.