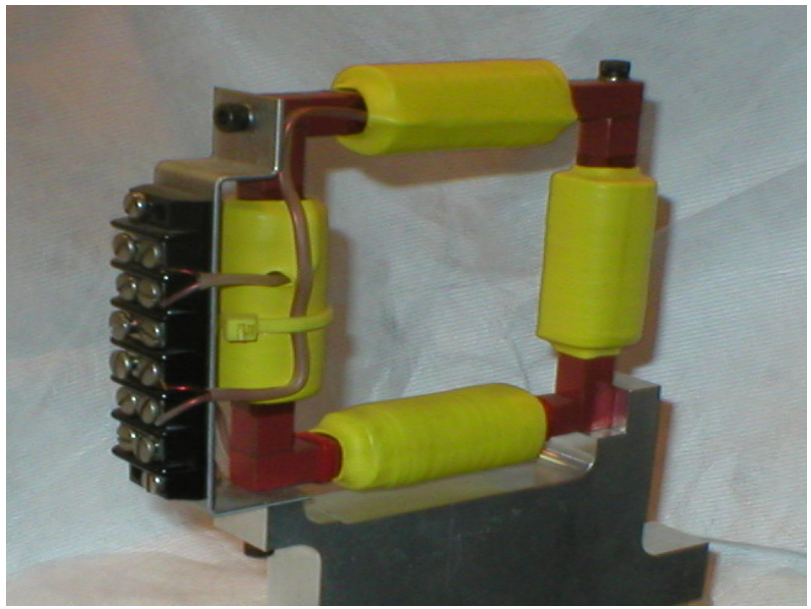
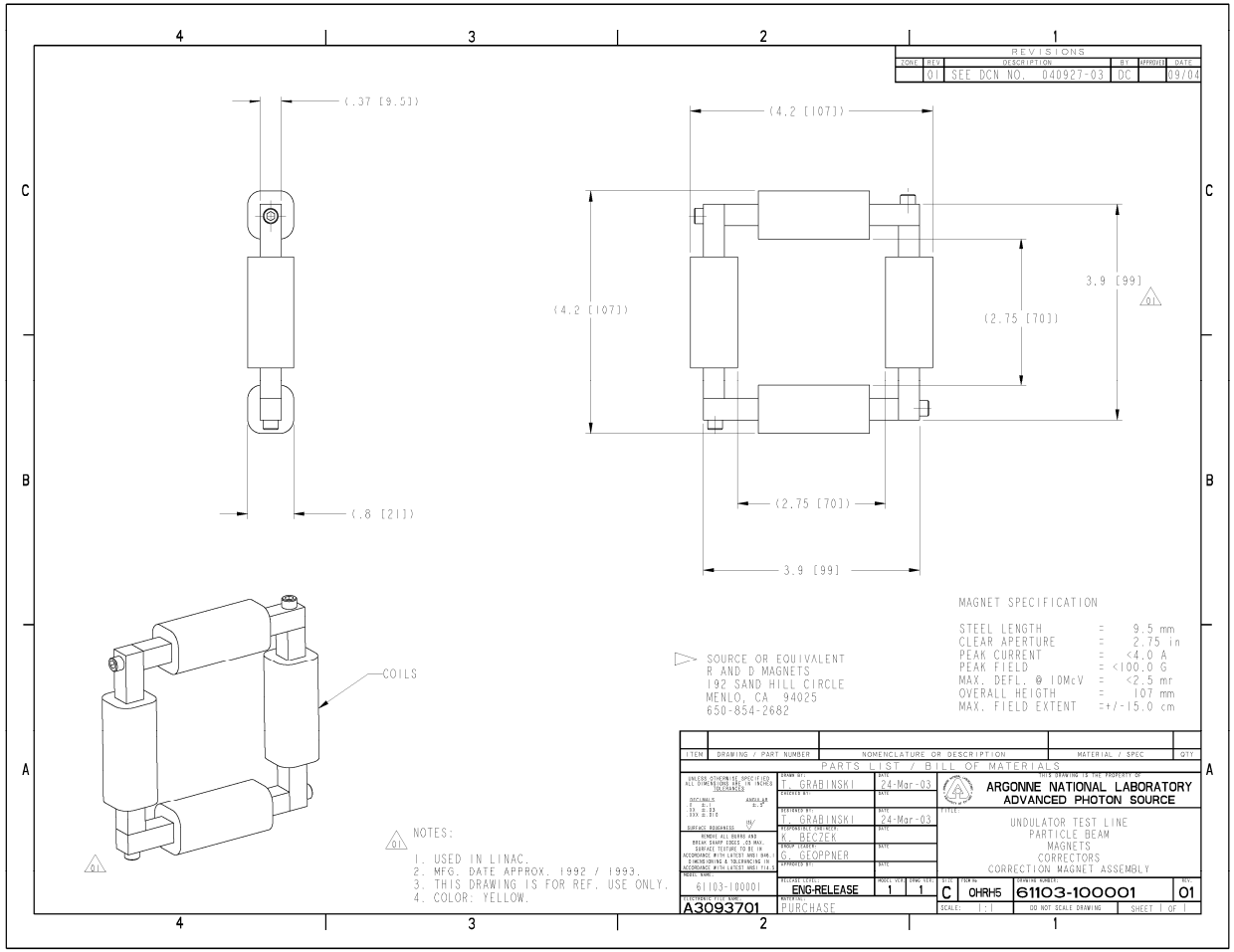
LINAC CORRECTOR MAGNET



Dwg. No. 61103-100001

This magnet is used in the LINAC to steer the electron beam horizontally and vertically. There are 4 magnets of this type used in the LINAC. The identification numbers of this magnets are: L1:SC1, L1:SC2, L1:SC3, and L1:SC4.

LINAC CORRECTOR MAGNET



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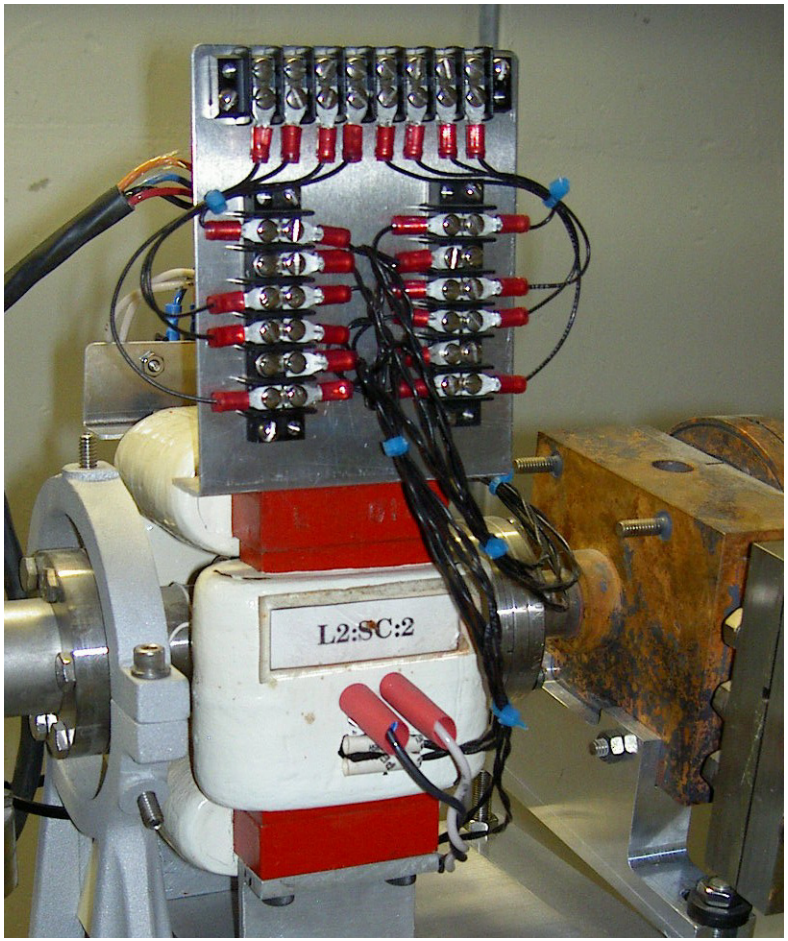
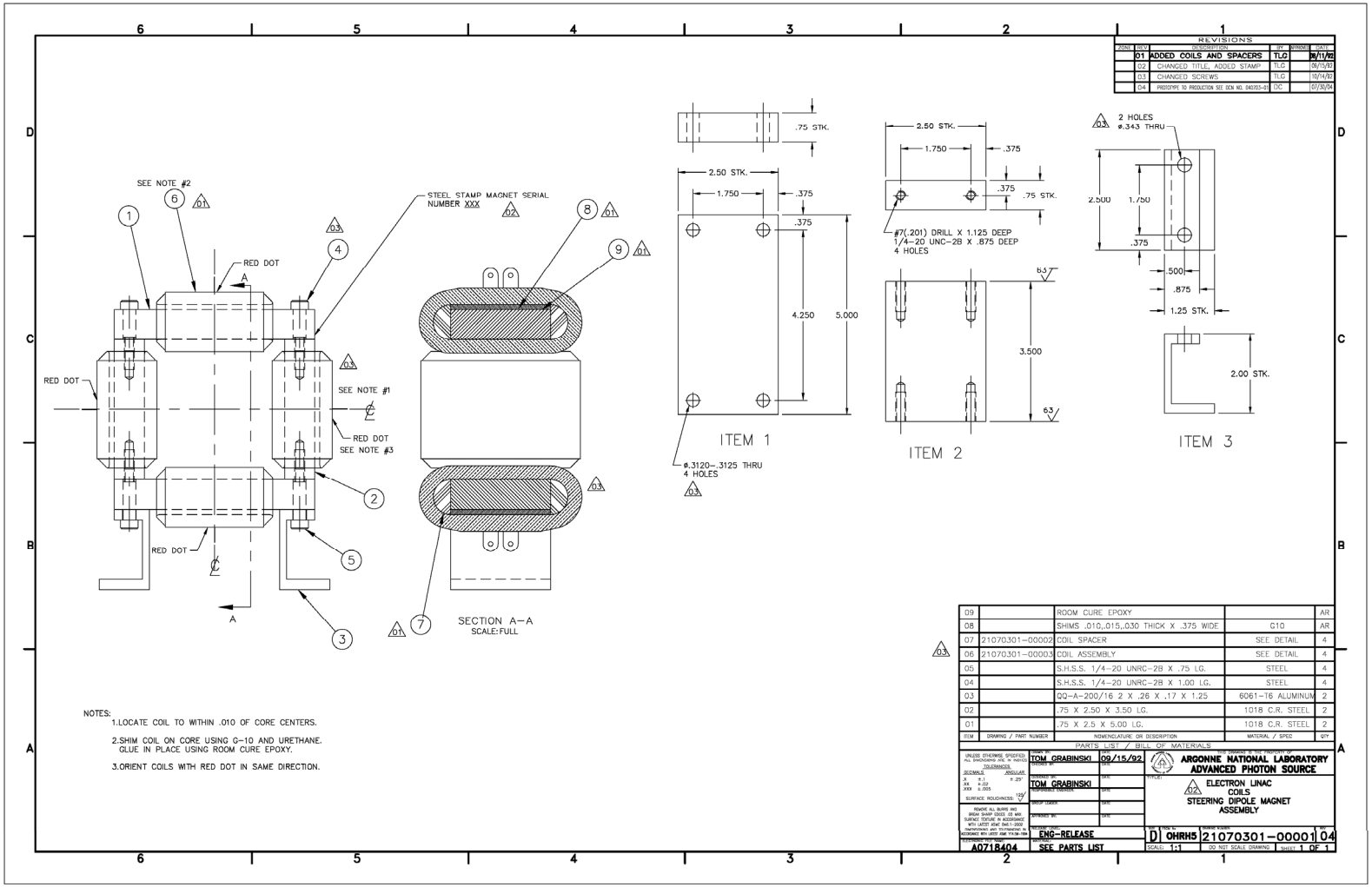
LINAC CORRECTOR MAGNET



Dwg. No. 21070301-00001

This magnet is used in the LINAC to steer the electron beam horizontally and vertically. There are 14 magnets of this type used in the LINAC. The identification numbers of these magnets are:L2:SC1, L2:SC2, L2:SC3, L2:SC4, L3:SC1, L3:SC2, L4:SC1, L4:SC2, L4:SC3, L4:SC4, L5:SC1,L5:SC2, L5:SC3, and L5:SC4.

LINAC CORRECTOR MAGNET



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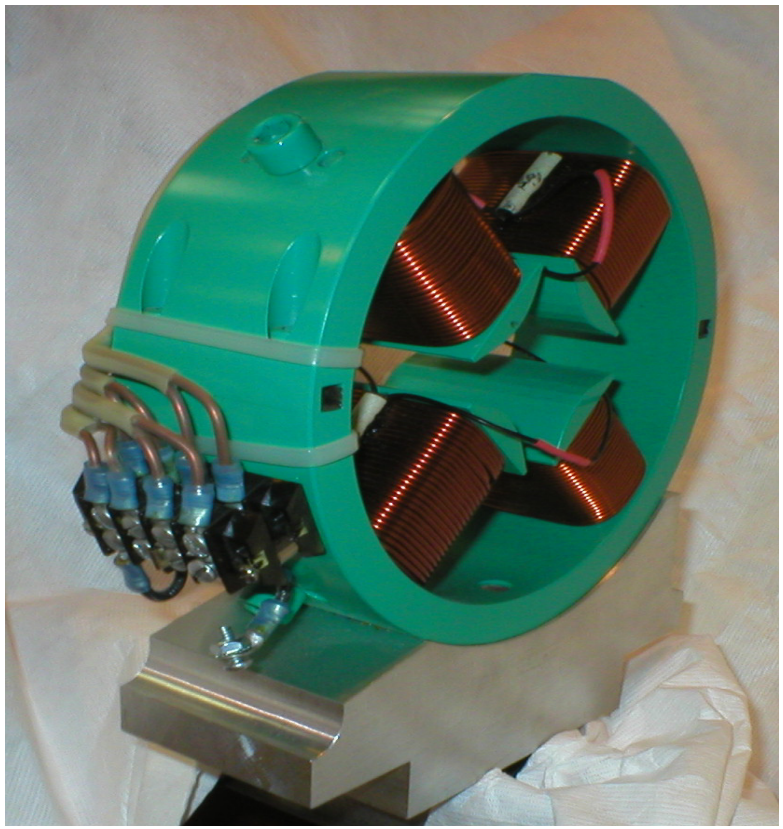
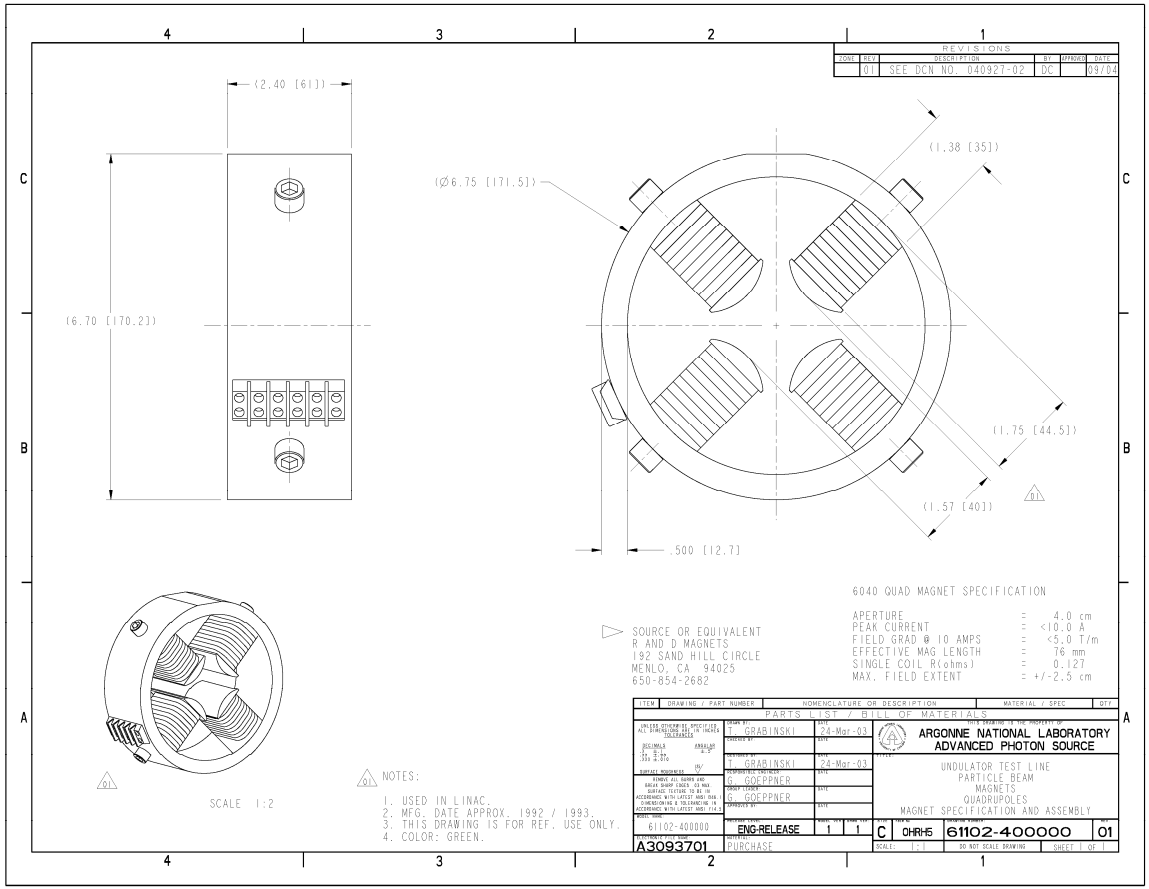
LINAC QUADRUPOLE MAGNET



Dwg. No. 61102-4000000

This magnet is to focus/defocus the electron beam. There are 7 magnets of this type used in the LINAC. The identification numbers of these magnets are: L1:QM1, L1:QM2, L1:QM3, L1:QM4, L1:QM5, L3:QM1, and L3:QM2. The effective magnetic length is 75mm.

LINAC QUADRUPOLE MAGNET



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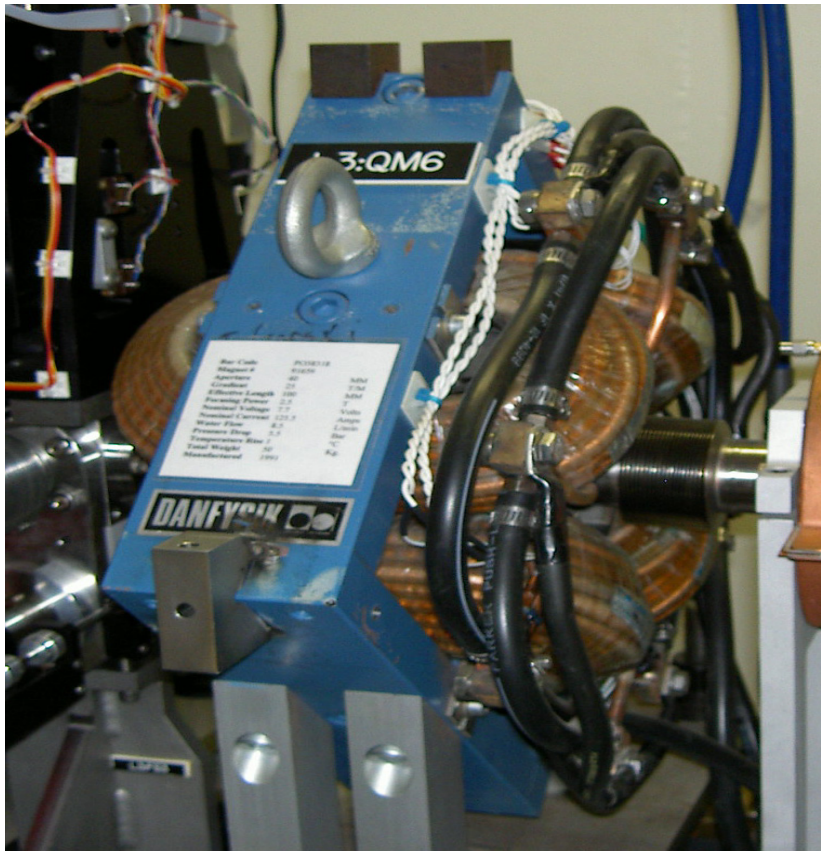
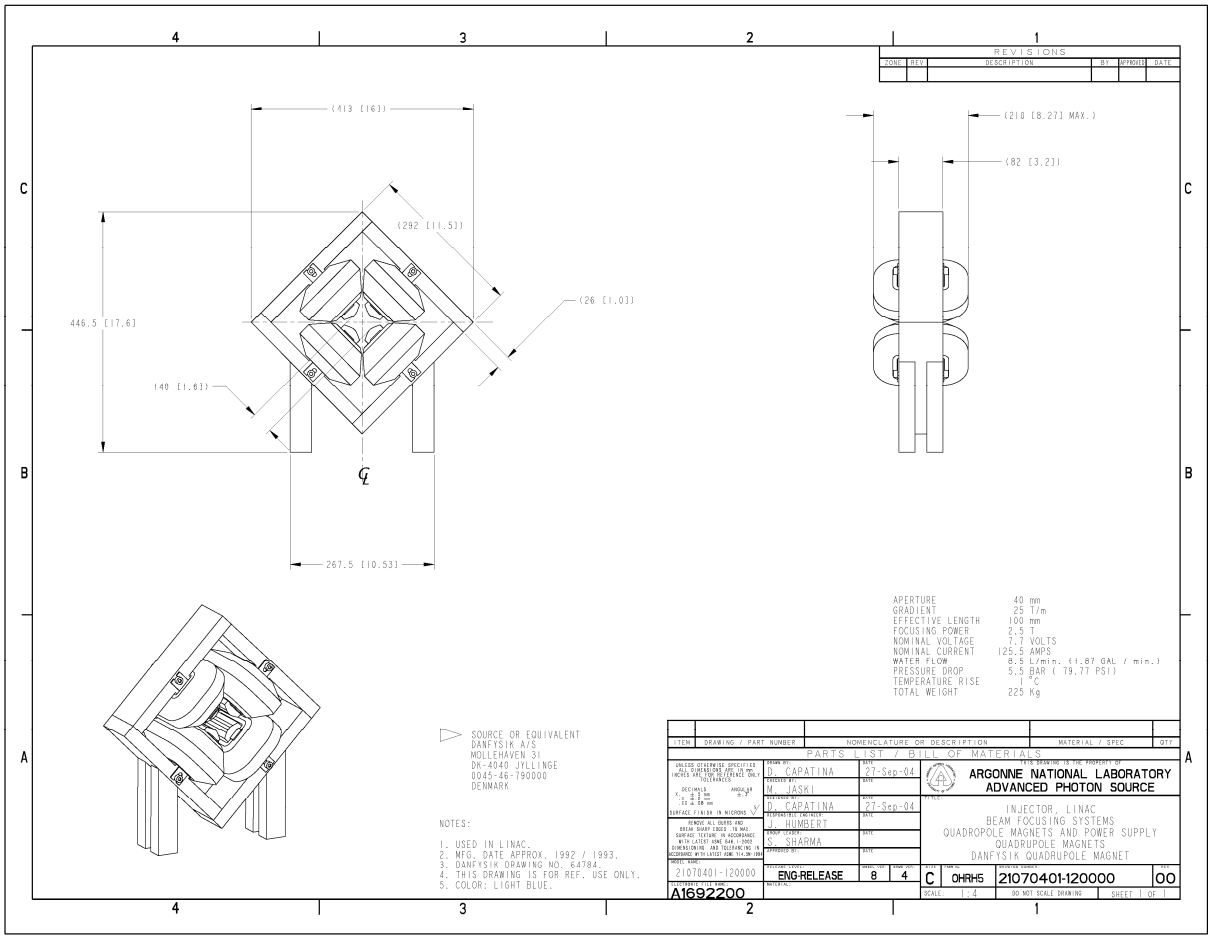
LINAC QUADRUPOLE MAGNET



Dwg. No. 21070401-120000

This magnet is used to focus and defocus the electron beam. There are 3 magnets of this type used in the LINAC. The identification numbers of these magnets are: L3:QM4, L3:QM5, and L3:QM6. The effective magnetic length is 100 mm.

LINAC QUADRUPOLE MAGNET



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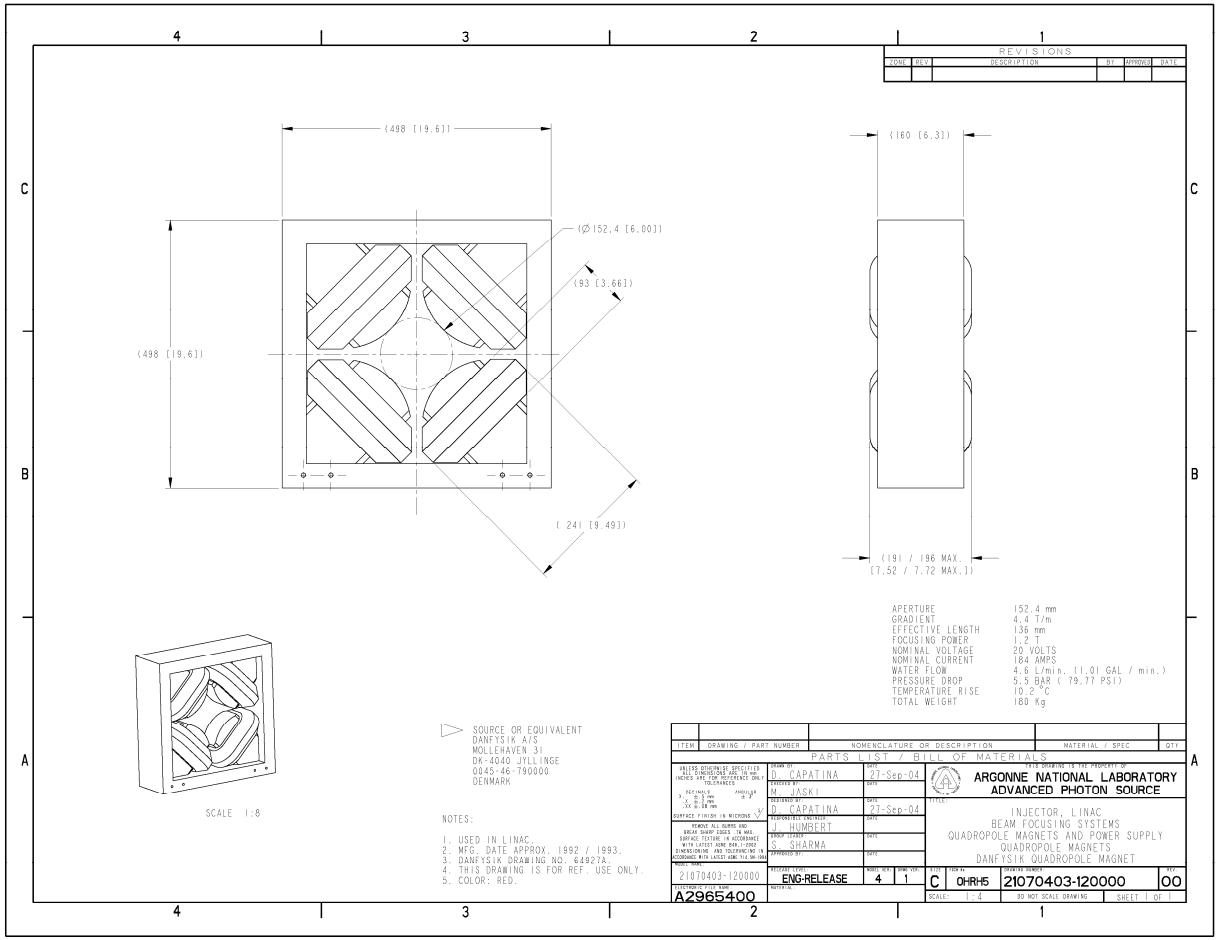
LINAC QUADRUPOLE MAGNET

Dwg. No. 21070403-120000

This magnet is used to focus and defocus the electron beam. There are 2 magnets of this type used in the LINAC. The identification numbers of these magnets are: L2:QM1 and L2:QM2. The effective magnetic length is 136 mm.

LINAC QUADRUPOLE MAGNET



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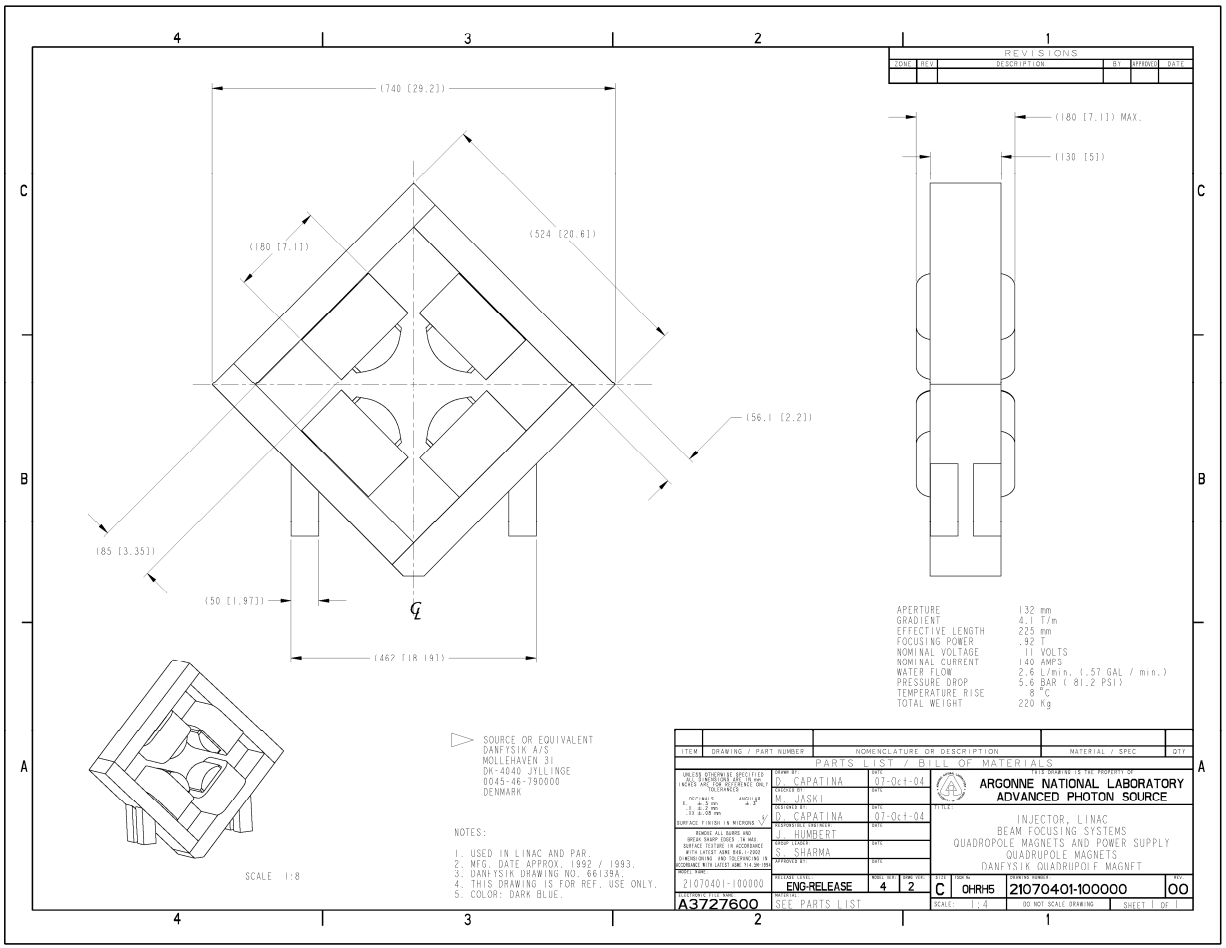
LINAC QUADRUPOLE MAGNET

Dwg. No. 21070401-100000

This magnet is used to focus and defocus the electron beam. There is 1 magnet of this type used in the LINAC, however there are also 16 more magnets of this type in the PAR. The identification number of this magnet is: L3:QM3. The effective magnetic length is 225mm.

LINAC QUADRUPOLE MAGNET



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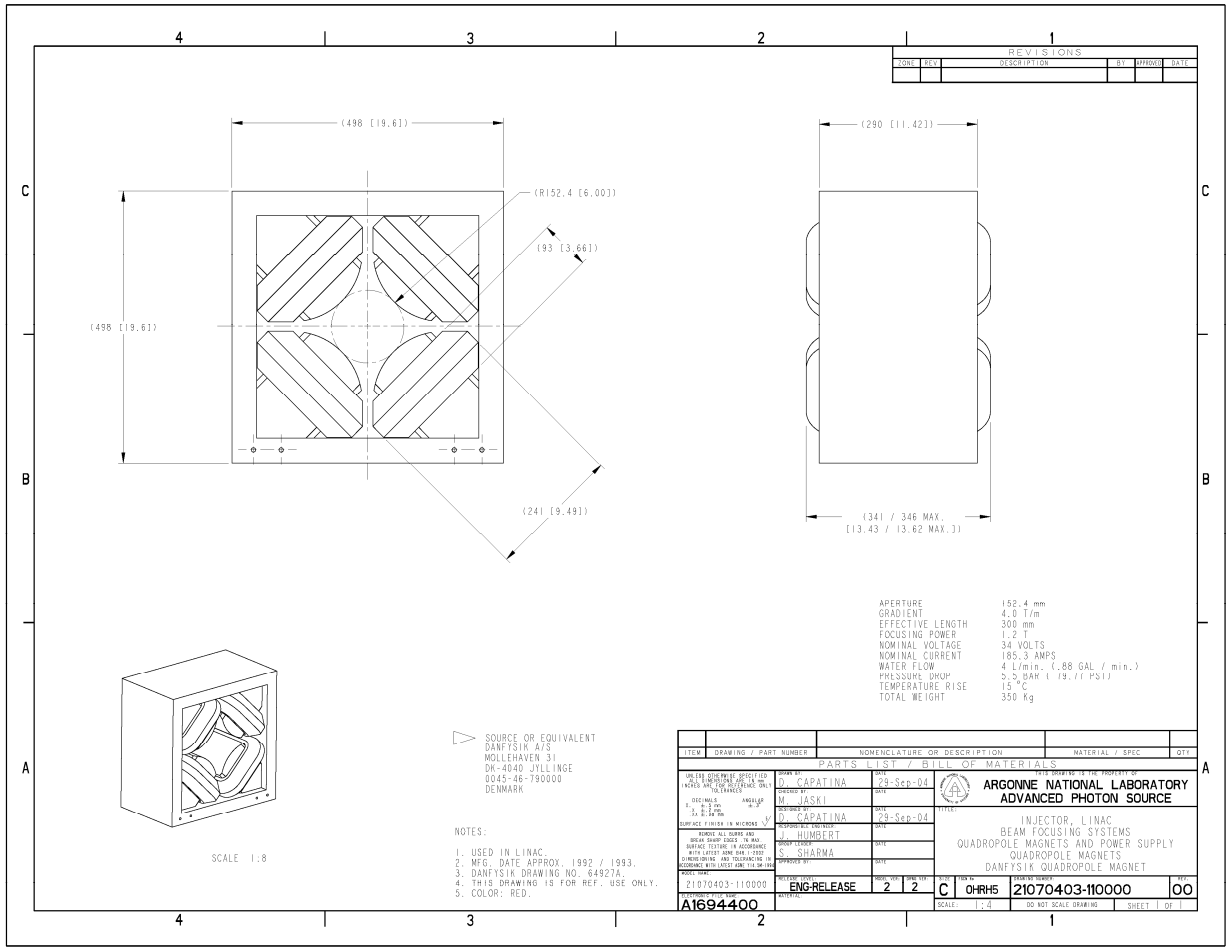
LINAC QUADRUPOLE MAGNET

Dwg. No. 21070403-110000

This magnet is used to focus and defocus the electron beam. There is 17 magnets of this type used in the LINAC. The identification numbers of these magnets are: L2:QM3, L2:QM4, L2:QM5, L2:QM6, L2:QM7, L2:QM8, L4:QM1, L4:QM2, L4:QM3, L4:QM4, L4:QM5, L4:QM6, L4:QM7, L5:QM1, L5:QM2, L5:QM3, and L5:QM4. The effective magnetic length is 300mm.

LINAC QUADRUPOLE MAGNET



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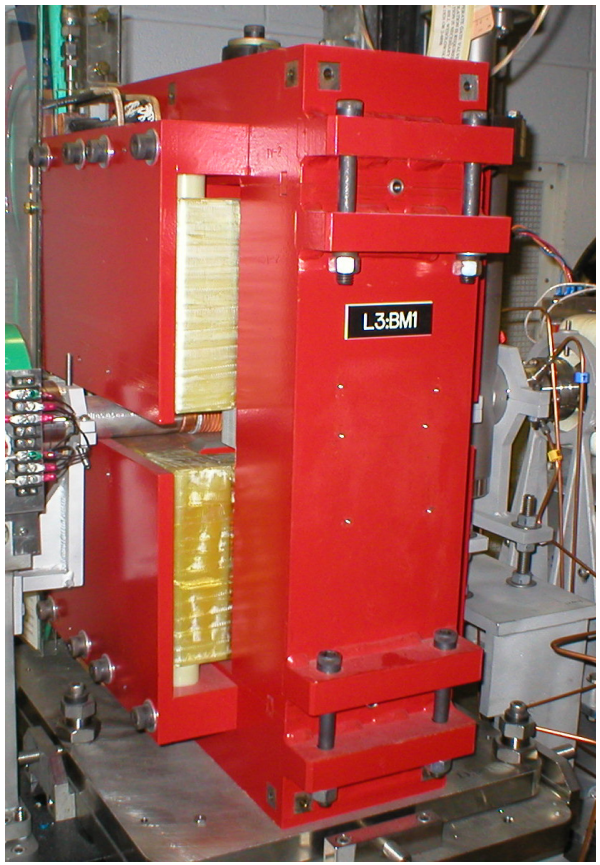
LINAC DIPOLE MAGNET

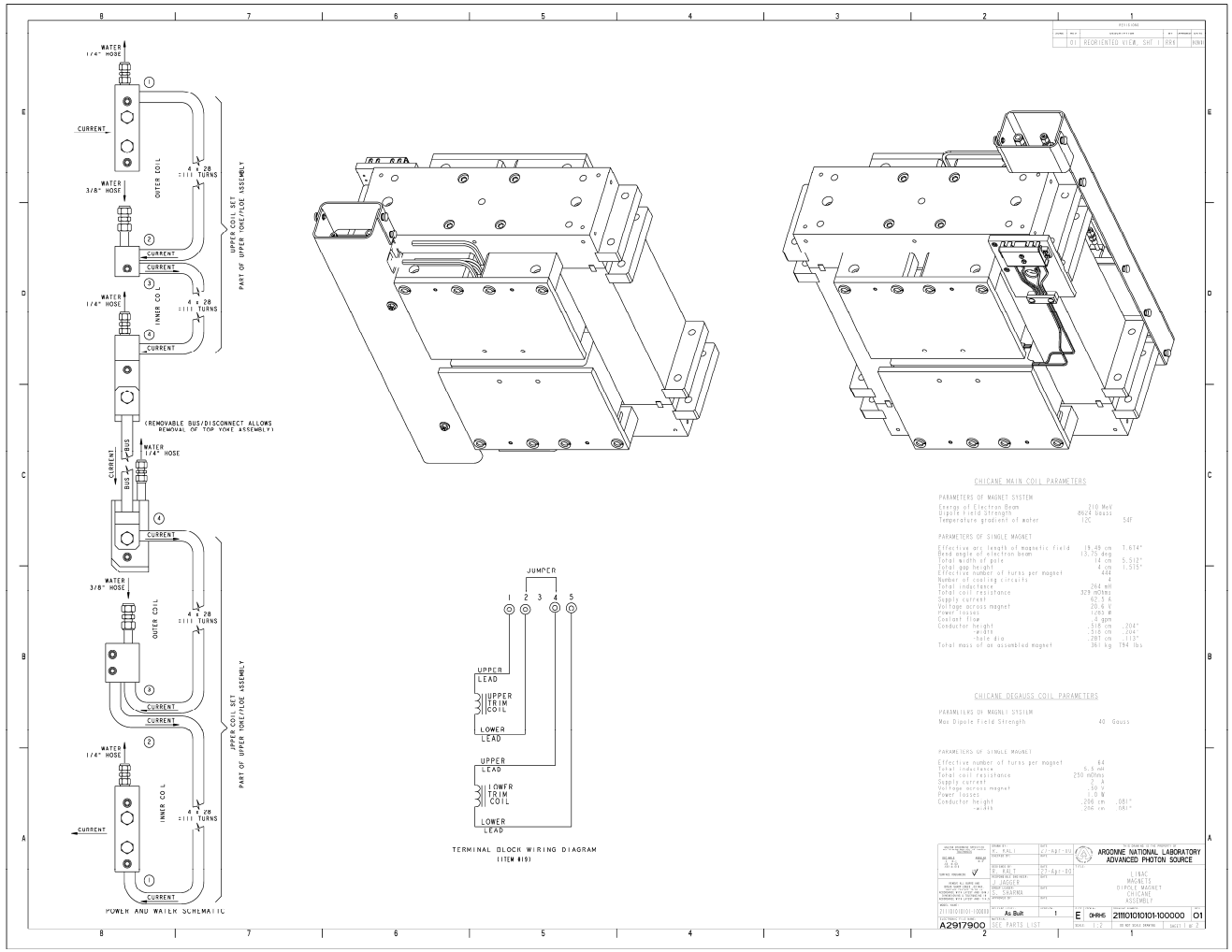


Dwg. No. 211101010101-100000

This magnet is used to steer the the electrons horizontally. There are 4 magnets of this type used in the LINAC. The identification numbers of these magnets are: L3:BM1, L5: BM2, L3:BM3, and L3:BM4.

There is another dipole which is set on its side. This magnet identification number is L3:AM1. The magnet is used to analyze the beam during machine studies time.

LINAC DIPOLE MAGNET



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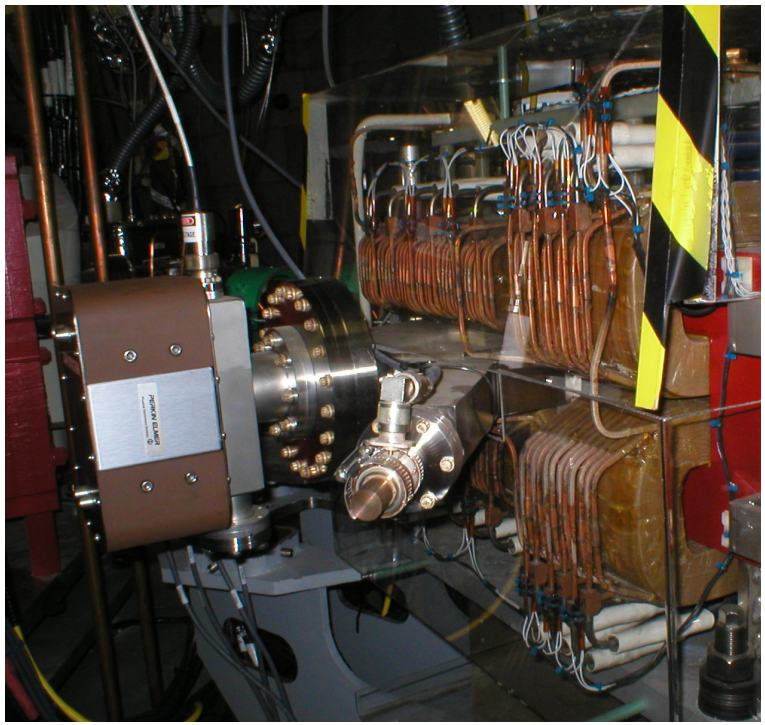
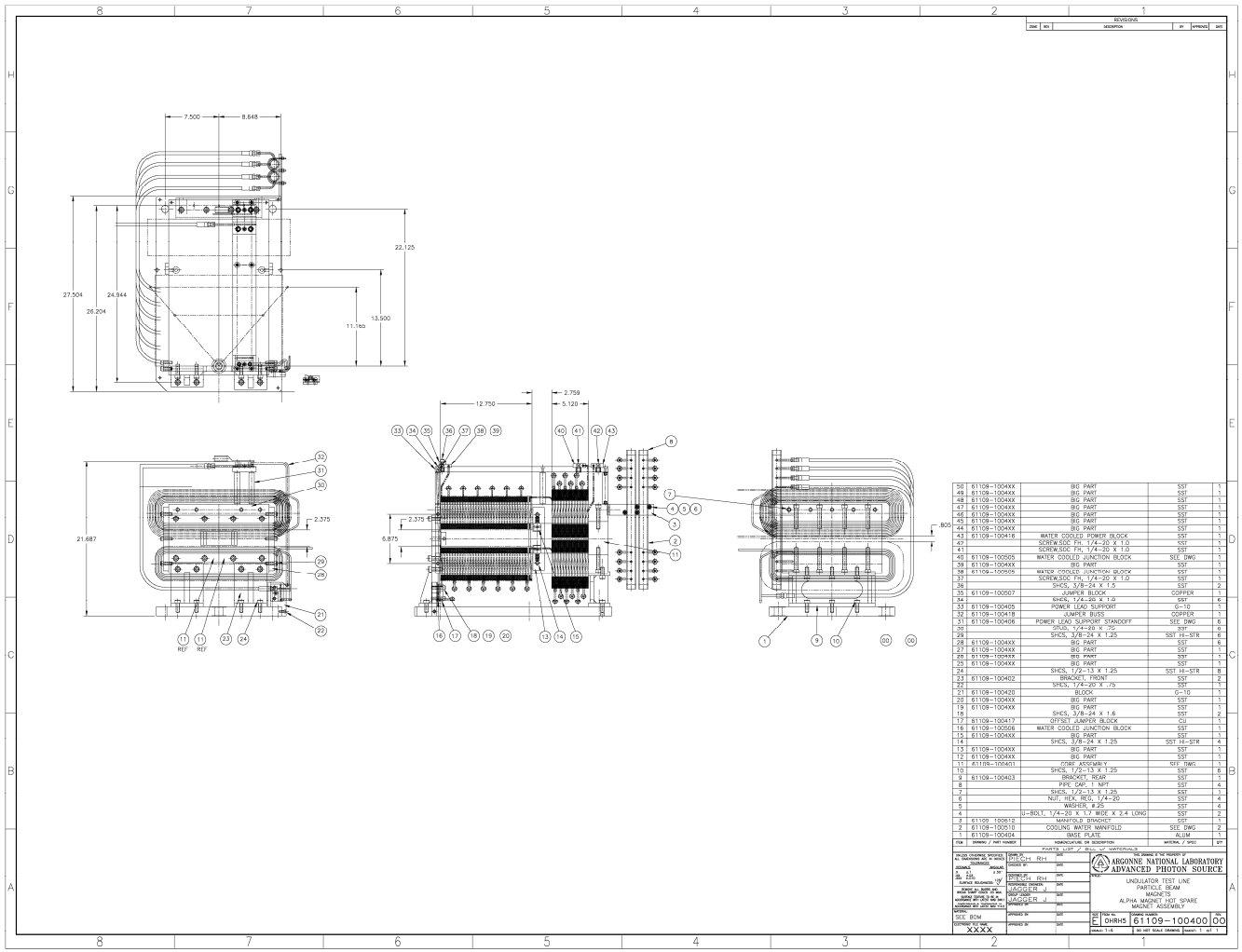
LINAC ALPHA MAGNET



Dwg. No. 61109-100400

This magnet is called an Alpha magnet for which it directs the electrons. The electron beam comes out of the RF gun and does an alpha loop thru the magnet to the LINAC beam line. This magnet is also known as a Panofsky style alpha magnet. The identification number is L1:RG1:LFA.

LINAC ALPHA MAGNET



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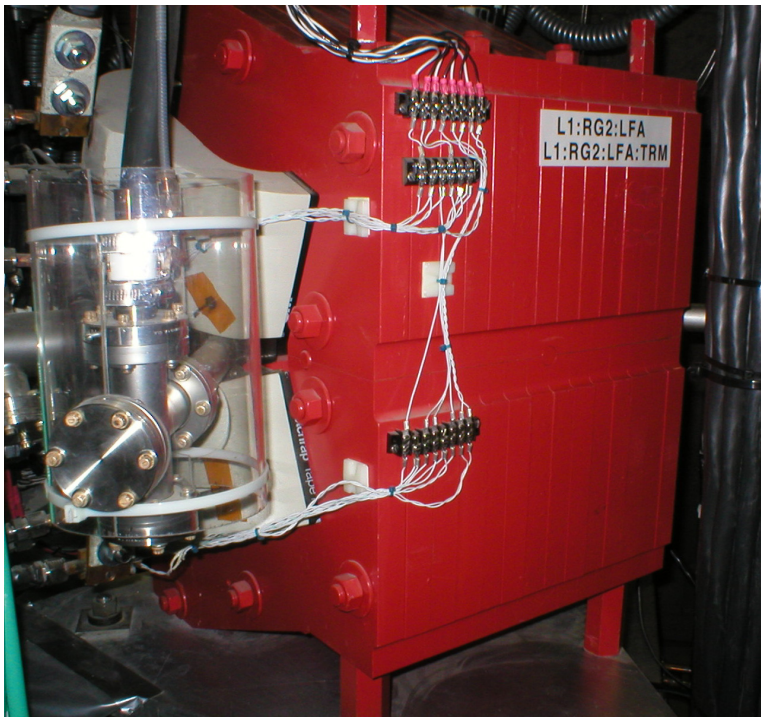
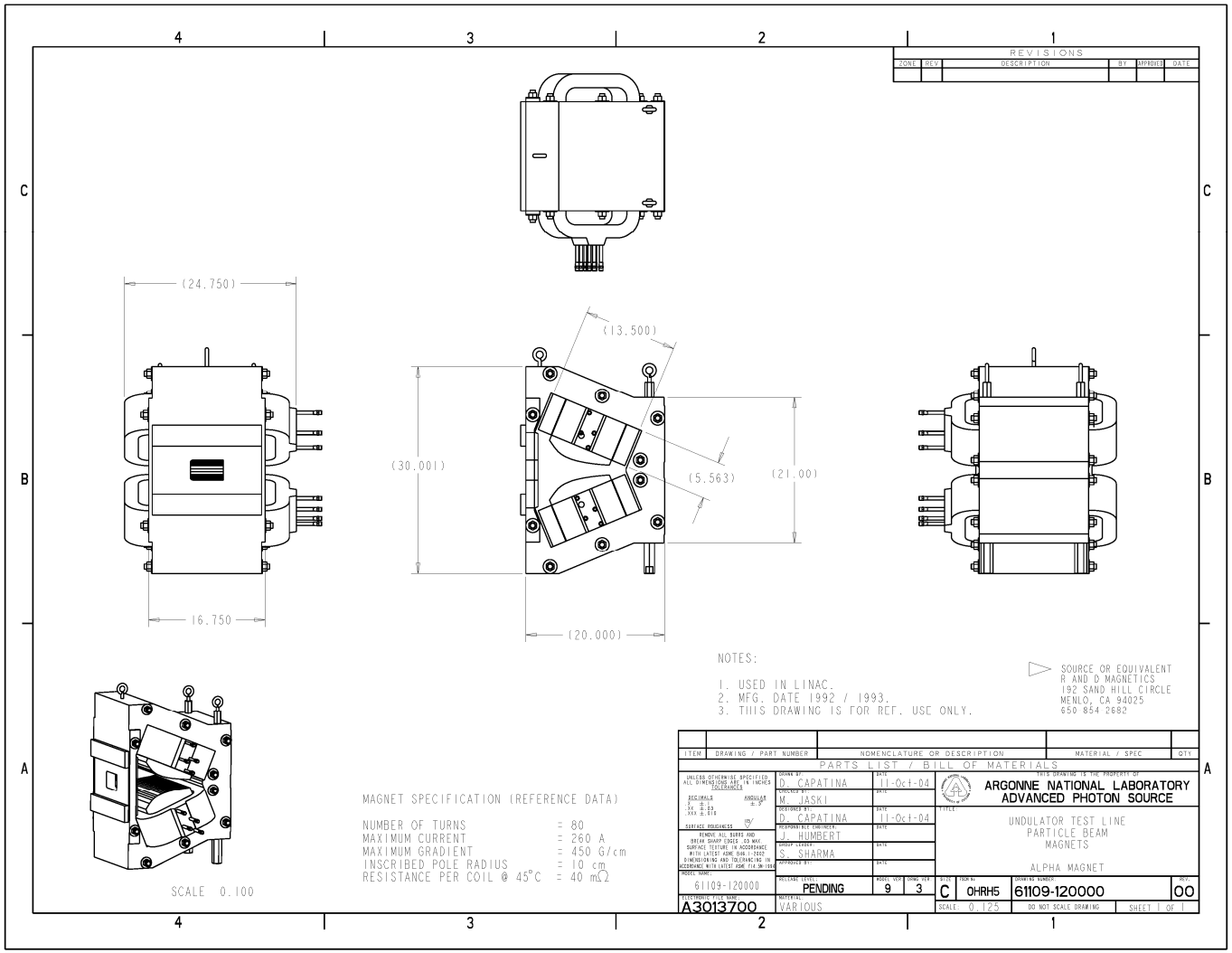
LINAC ALPHA MAGNET



Dwg. No. 61109-120000

This magnet is called an Alpha magnet for which it directs the electrons. The electron beam comes out of the RF gun and does an alpha loop thru the magnet to the LINAC beam line. The identification number is L1:RG2:LFA.

LINAC ALPHA MAGNET



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