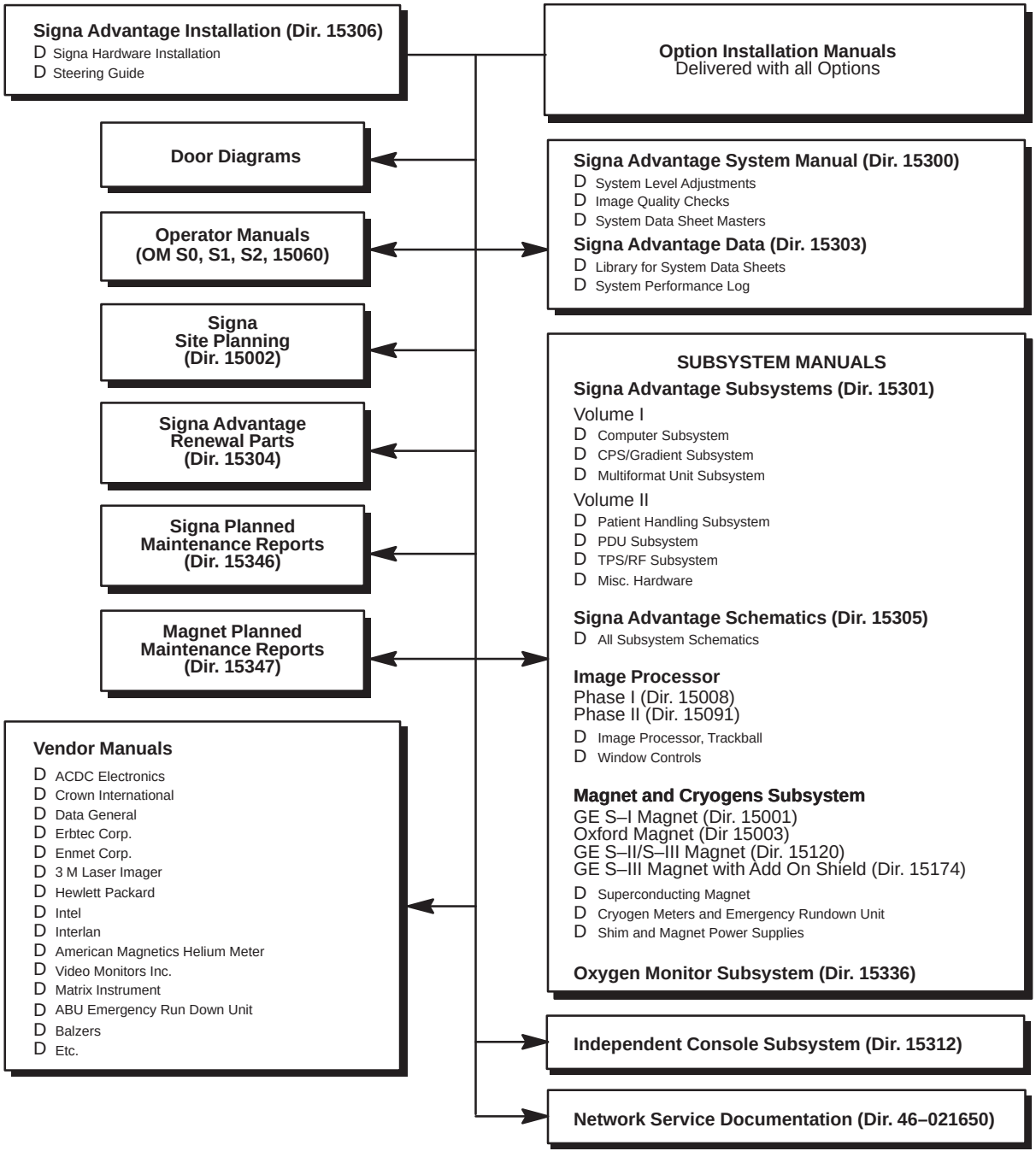
SECTION 1 – SYSTEM DOCUMENTATION ORGANIZATION

1–1 SIGNA® ADVANTAGE™ (4.X) SYSTEM

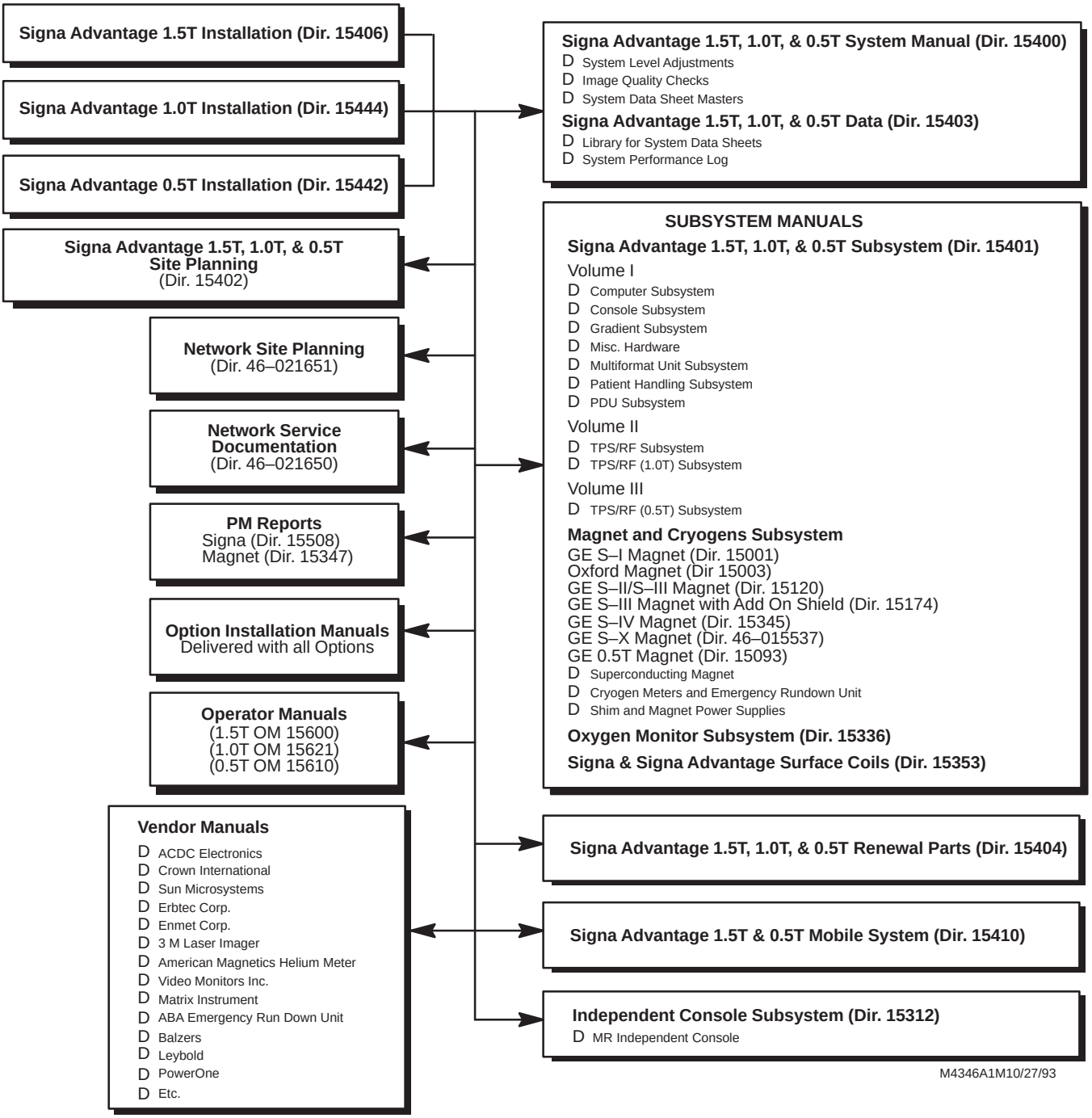
The documentation structure for the Signa® Advantage™ (4.X) systems is shown in Illustration 1–1.



SIGNA ADVANTAGE (4.X) DOCUMENTATION STRUCTURE
ILLUSTRATION 1–1

1–2 SIGNA ADVANTAGE 1.5T (5.X) SYSTEM

The documentation structure for the Signa® Advantage™ 1.5T (5.X) systems is shown in Illustration 1–2.



SIGNA ADVANTAGE 1.5T (5.X) DOCUMENTATION STRUCTURE
ILLUSTRATION 1–2

SECTION 2 –MN SPECTROSCOPY SUBSYSTEM MANUAL ORGANIZATION

The Multi–Nuclear Spectroscopy (MNS) Subsystem manual consist of tabs with the following titles. Each section includes information for Signa Advantage (4.X Systems) and Signa Advantage 1.5T (5.X Systems).

INTRODUCTION

The introduction contains a brief description of system and subsystem documentation structure, manual organization, component organization, and explanation of the reference designator system.

INSTALLATION

Installation of Signa Advantage Multi–Nuclear Spectroscopy Option, M1040FF (4.X to 5.3 hardware) or M1040FK (5.4 hardware) is provided. A cable interconnect diagram for this subsystem is located at end of this section.

SET UP AND CALIBRATION

This section contains set up and calibration procedures required for the subsystem.

FUNCTIONAL CHECKS

Procedures required to perform Multi–Nuclear Spectroscopy Subsystem Function and Performance checks are included.

TROUBLESHOOTING

This section contains various tests required for the subsystems.

REPLACEMENT/MAINTENANCE

This section contains procedures for replacement of FRUs. In addition, it contains or directs you to any functional check or calibration procedures required as a result replacement.

SCHEMATICS/INTERCONNECTS

Schematics for circuit boards are included here. Interconnects of subsystem and cabinets are also provided.

RENEWAL PARTS

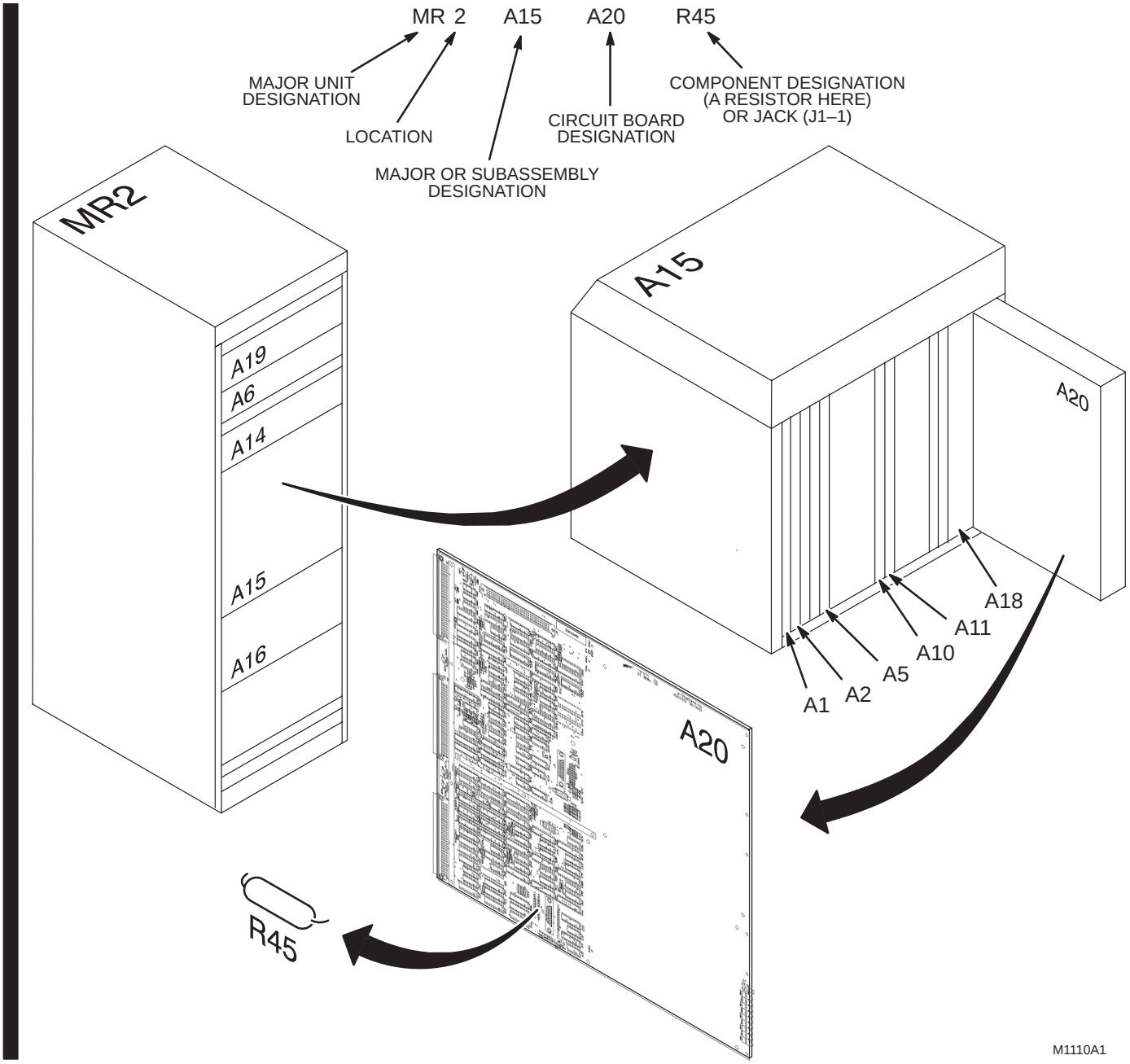
This section contains an exploded view and parts list for each assembly and part list for each kit delivered with Signa Advantage Spectroscopy acquisition Option, Catalog M1040FF (4.X to 5.3 hardware) or M1040FK (5.4 hardware).

Note

Please note that the Omission Error Report (Direction 15028) is no longer issued with MR Directions. Should you find any errors in this manual, or should you like to suggest additional material, the approved procedure for handling complaints/suggested improvements to MR Service Directions is the CQA process as defined in the Field Service Procedures Manual.

SECTION 3 – EXPLANATION OF DESIGNATOR SYSTEM

The Component Designator System is a means of identifying all system components in a consistent way. This system is used to identify components throughout this manual. See Illustration 3–1 for an explanation of the Component Designator System.



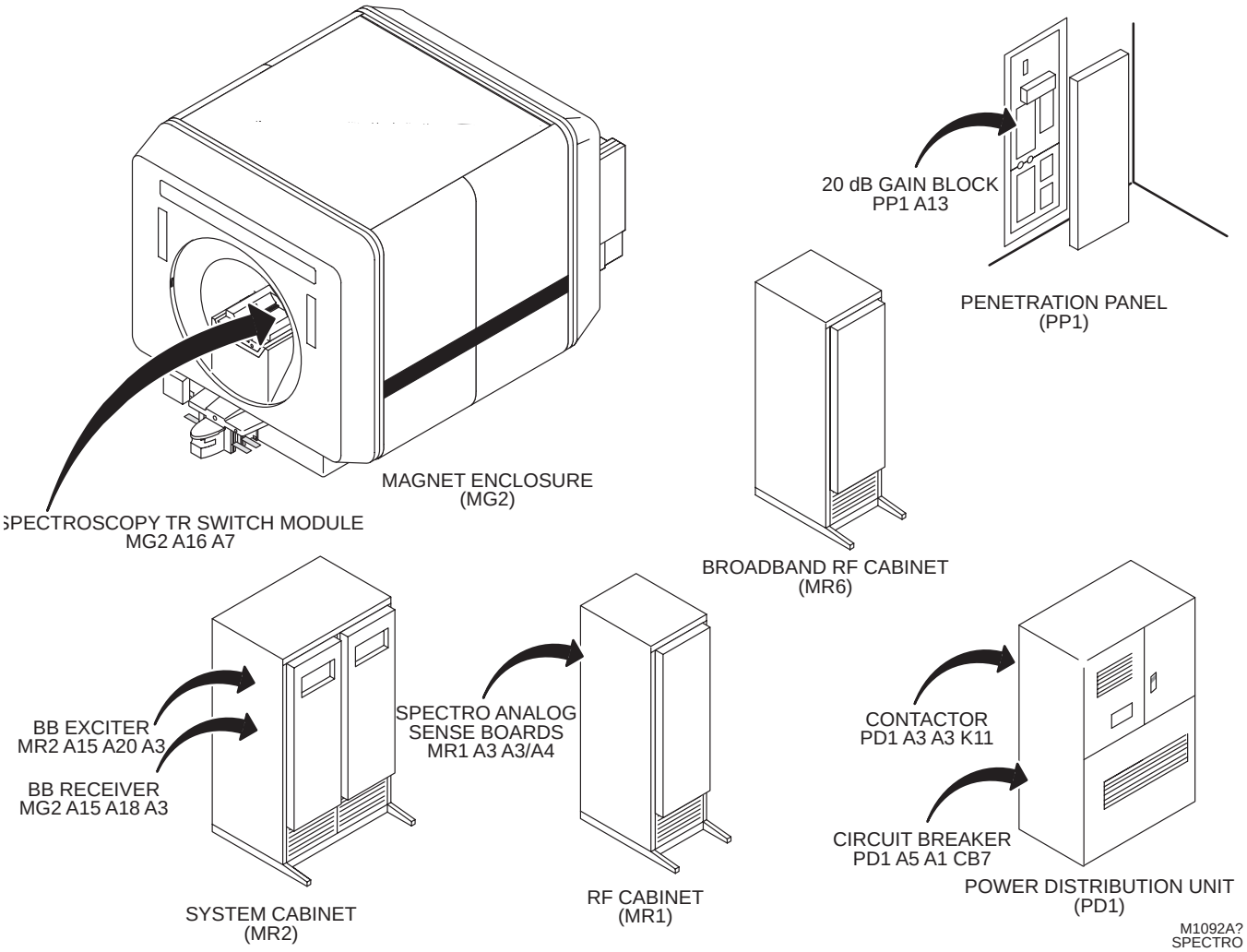
COMPONENT DESIGNATOR SYSTEM
ILLUSTRATION 3–1

SECTION 4 – COMPONENT IDENTIFICATION

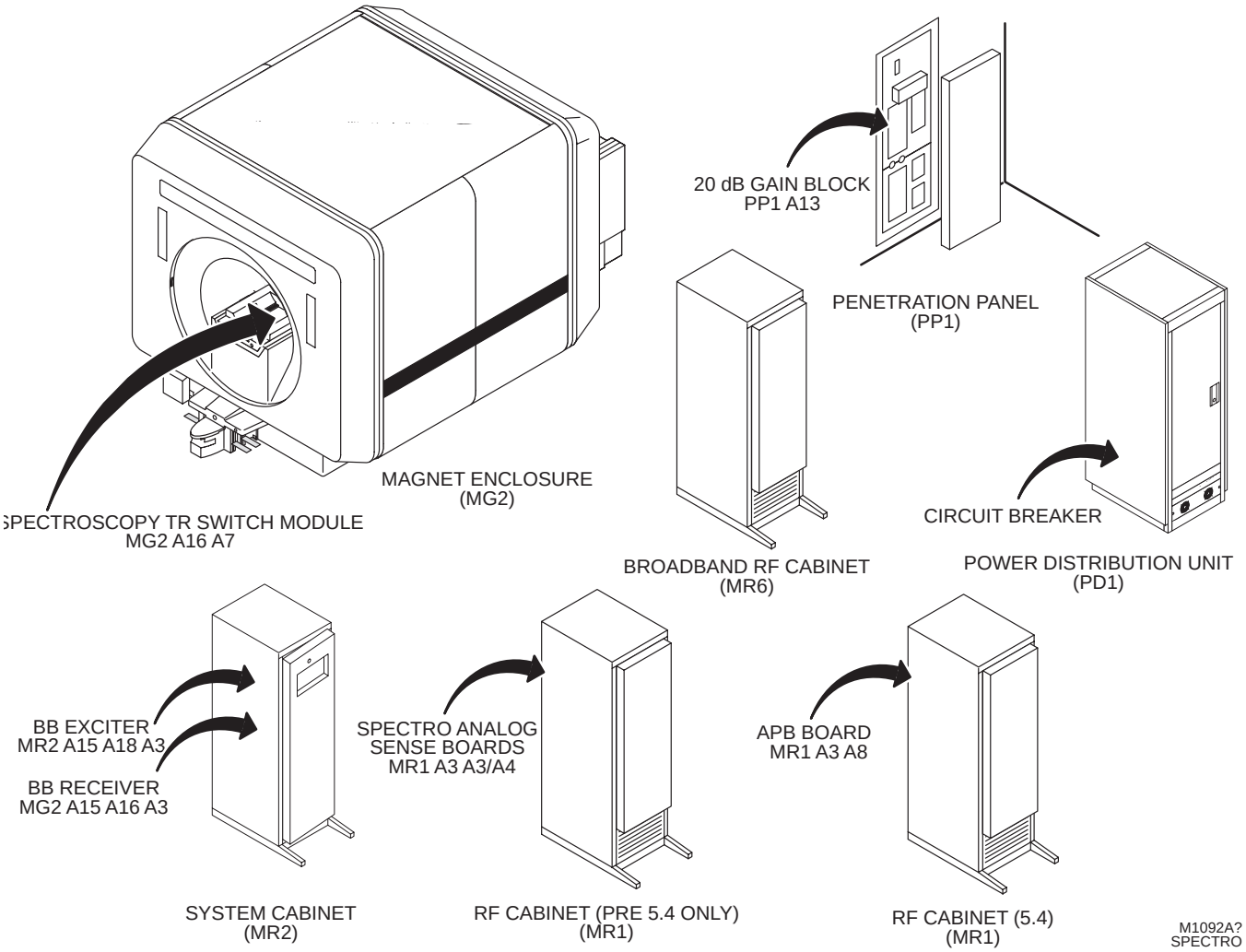
Refer to Table 4–1 for Signa Advantage Multi–Nuclear Spectroscopy (MNS) Subsystem designators for all Signa systems. Refer to Illustration 4–1 for Signa and Signa Advantage (4.X) components. Refer to Illustration 4–2 for Signa Advantage 1.5T (5.X) components.

TABLE 4–1
SIGNA ADVANTAGE SPECTROSCOPY SUBSYSTEM DESIGNATOR/HARDWARE

DESIGNATOR	DESCRIPTION	DESIGNATOR	DESCRIPTION
MG2	MAGNET ENCLOSURE	MR6	BROADBAND RF CABINET
MR1	RF AMP CABINET	PD1	POWER DISTRIBUTION UNIT
MR2	SYSTEM CONTROL CABINET	PP1	PENETRATION PANEL



SIGNA ADVANTAGE MULTI–NUCLEAR SPECTROSCOPY SUBSYSTEM COMPONENTS (4.X)
ILLUSTRATION 4–1



SIGNA ADVANTAGE MULTI–NUCLEAR SPECTROSCOPY SUBSYSTEM COMPONENTS (5.X)
ILLUSTRATION 4–2