STRATM Cabinet

This appendix illustrates typical cable management and space requirements for various system configurations in the STRATM cabinet. It also contains a table with the height of StrataCom components in inches, centimeters, and rack-mount units (RMUs). This can help in the calculation of height requirements for individual setups. The last illustration shows the bracket installation in the STRATM (for a BPX, in this case). The sequence of sections is as follows:

- STRATM Cabinet

- Cable Management

- Examples of System Configurations

- Table of Component Heights

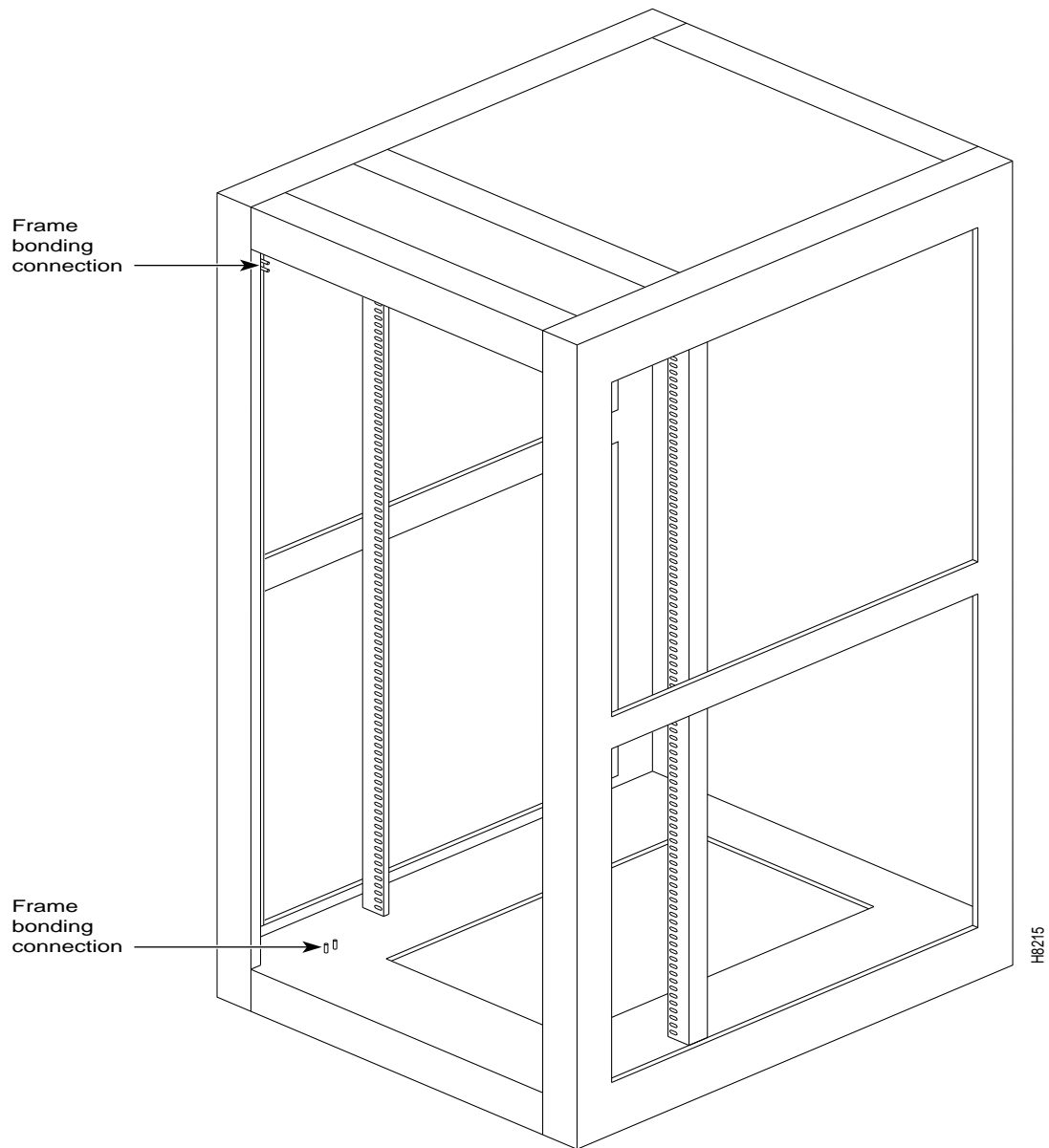**Figure B-1   Back View of Empty STRATM Cabinet**

Frame
bonding
connection

Frame
bonding
connection

H8215

Figure B-2   Typical Cable Management, IGX-32 in STRATM Cabinet

Cable
manager

Cable
manager

Frame
bonding
connection

H8216
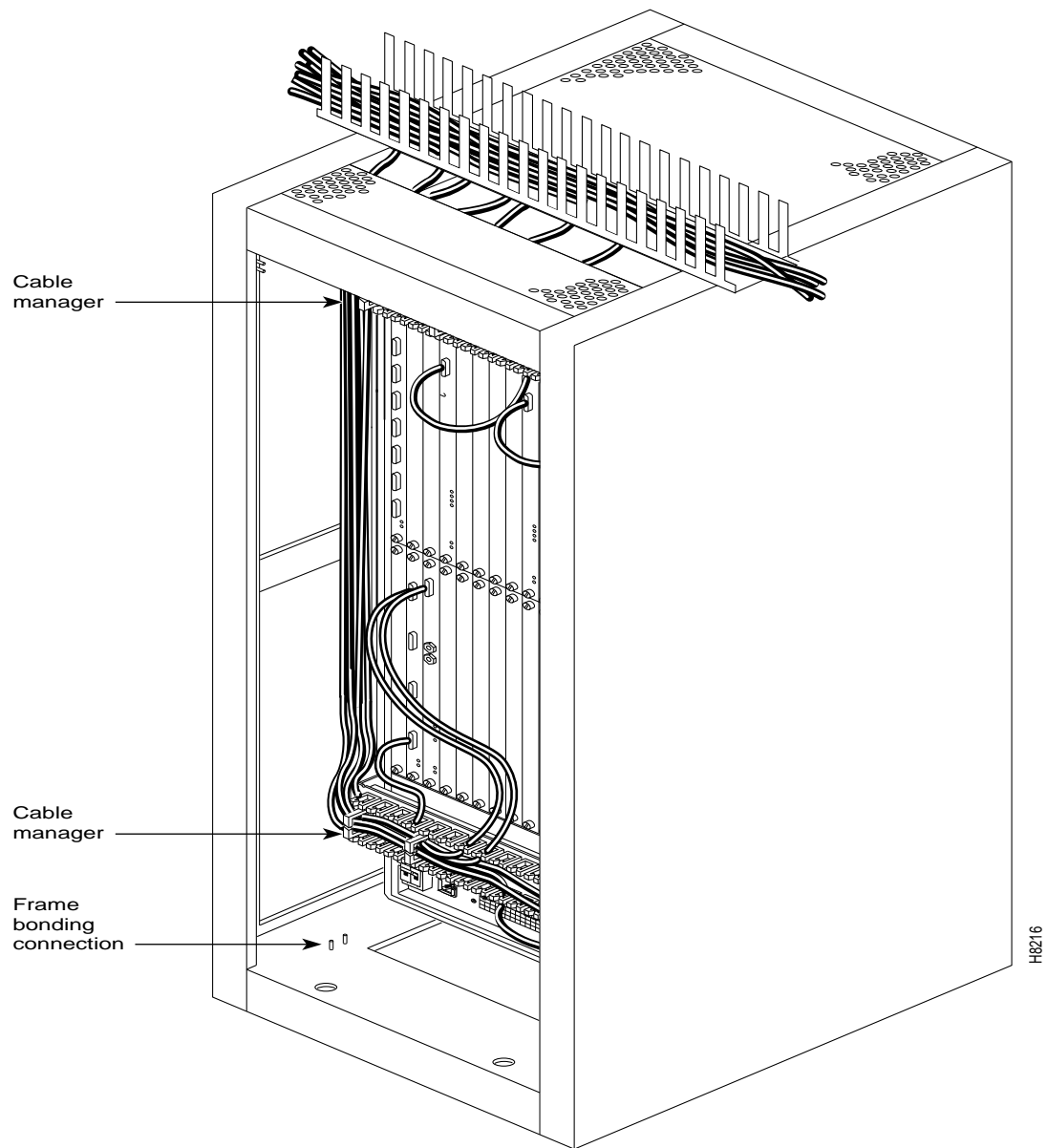
Figure B-3   Typical Stacking Order, Single BPX, DC and AC-Powered

BPX

8.75

BPX

AC power supply

3.50

H8217
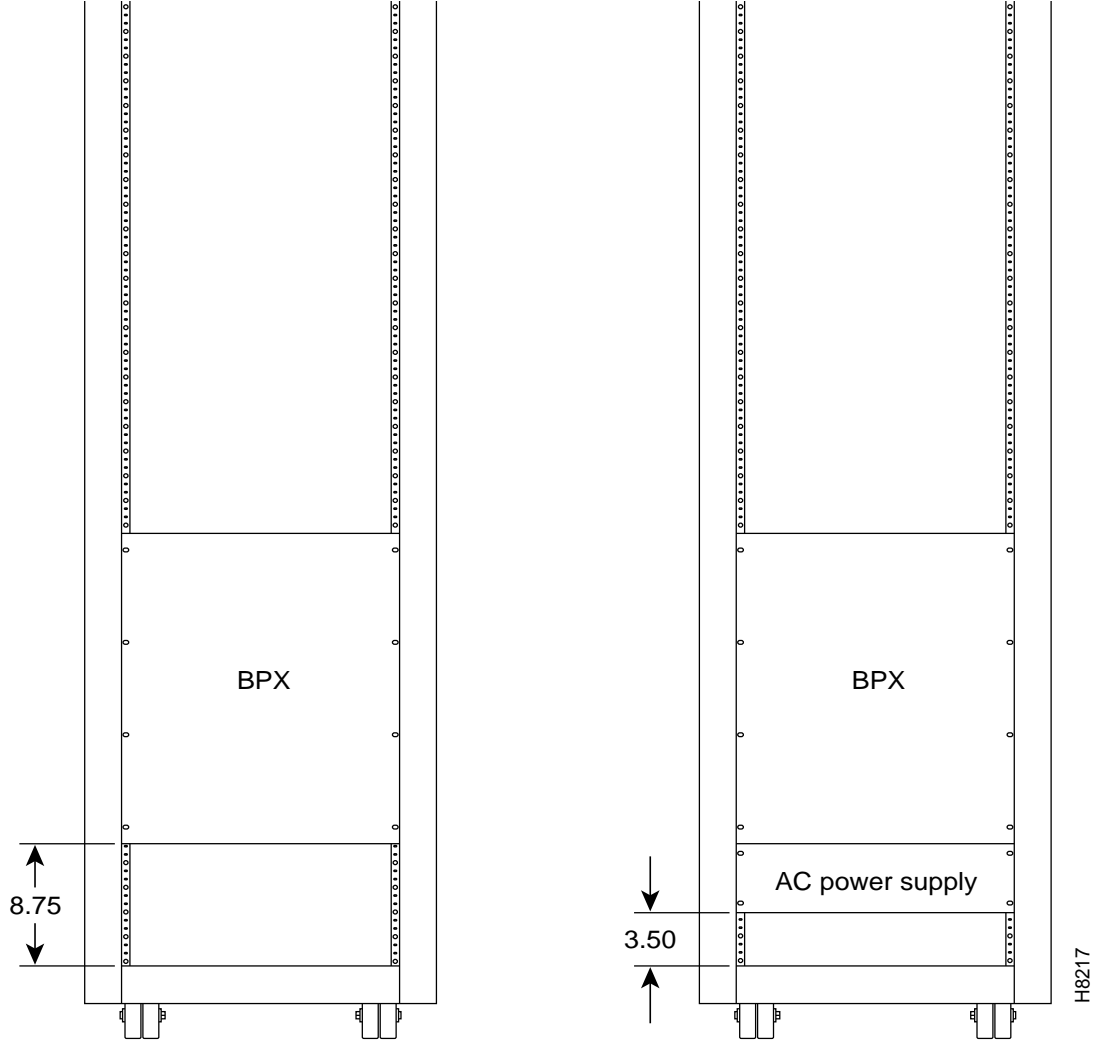
Figure B-4   Typical Stacking Order, Single BPX and Single AXIS, DC and AC-Powered

Exhaust plenum

AXIS

Cooling unit

BPX

Exhaust plenum

AXIS

Cooling unit

AC power supply

BPX

AC power supply

3.50
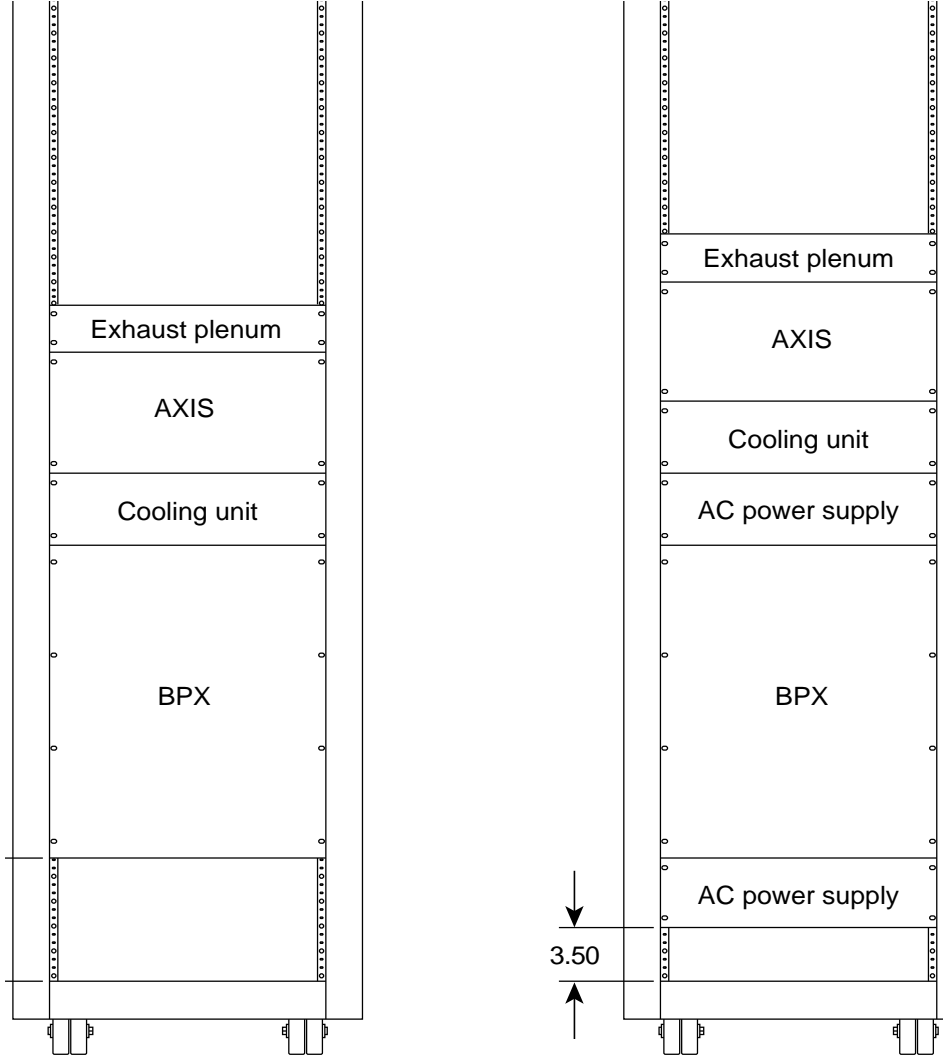
Figure B-5   Typical Stacking Order, BPX, AXIS, and INS, DC and AC-Powered

Exhaust plenum

AXIS

Cooling unit

INS

BPX

BPX, INS,

Exhaust plenum

AXIS

Cooling unit

AC power supply

INS

BPX

AC power supply

3.50
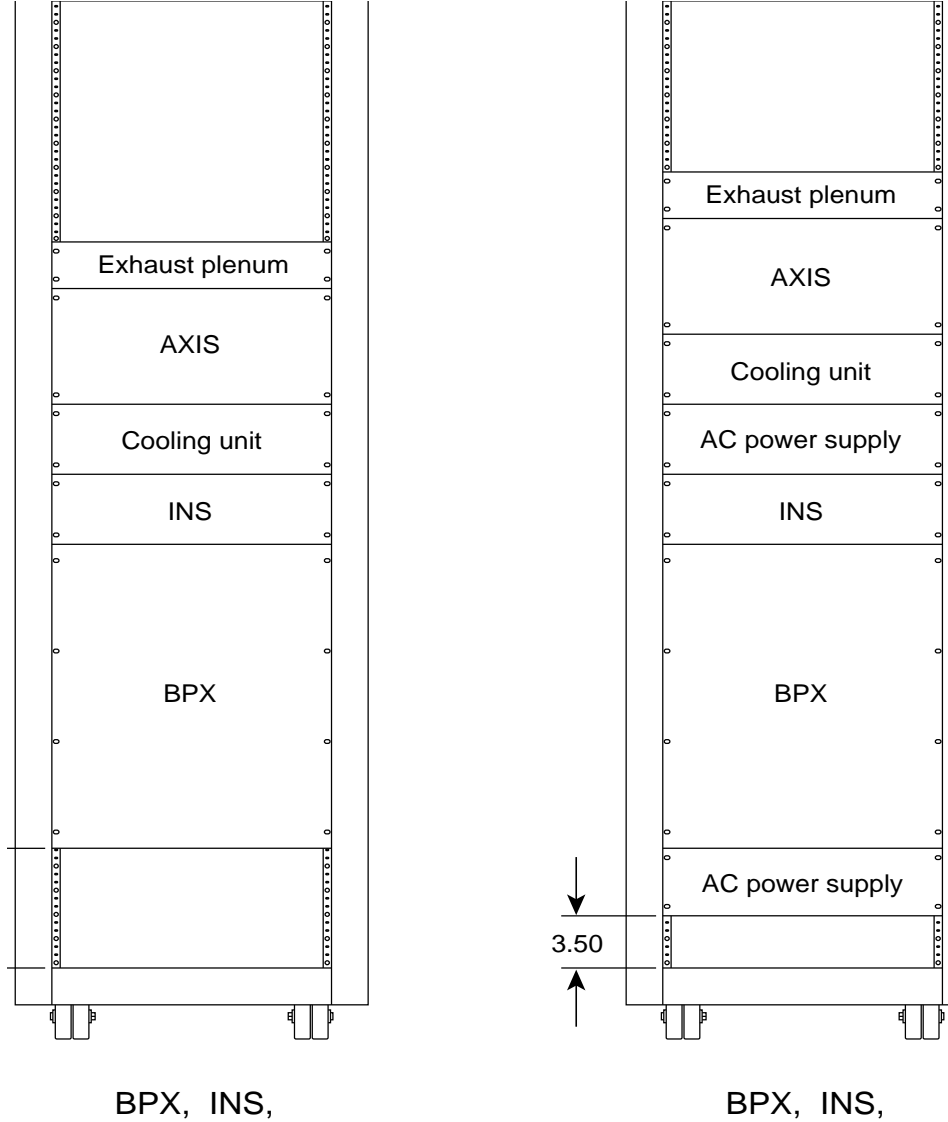
BPX, INS,

Figure B-6   Typical Stacking Order, IGX 32, DC and AC-Powered

Exhaust plenum	Exhaust plenum
Cooling unit	Cooling unit
IGX (upper shelf)	IGX (upper shelf)
IGX (lower shelf)	IGX (lower shelf)
Cooling unit	Cooling unit
	AC power supply

3.50
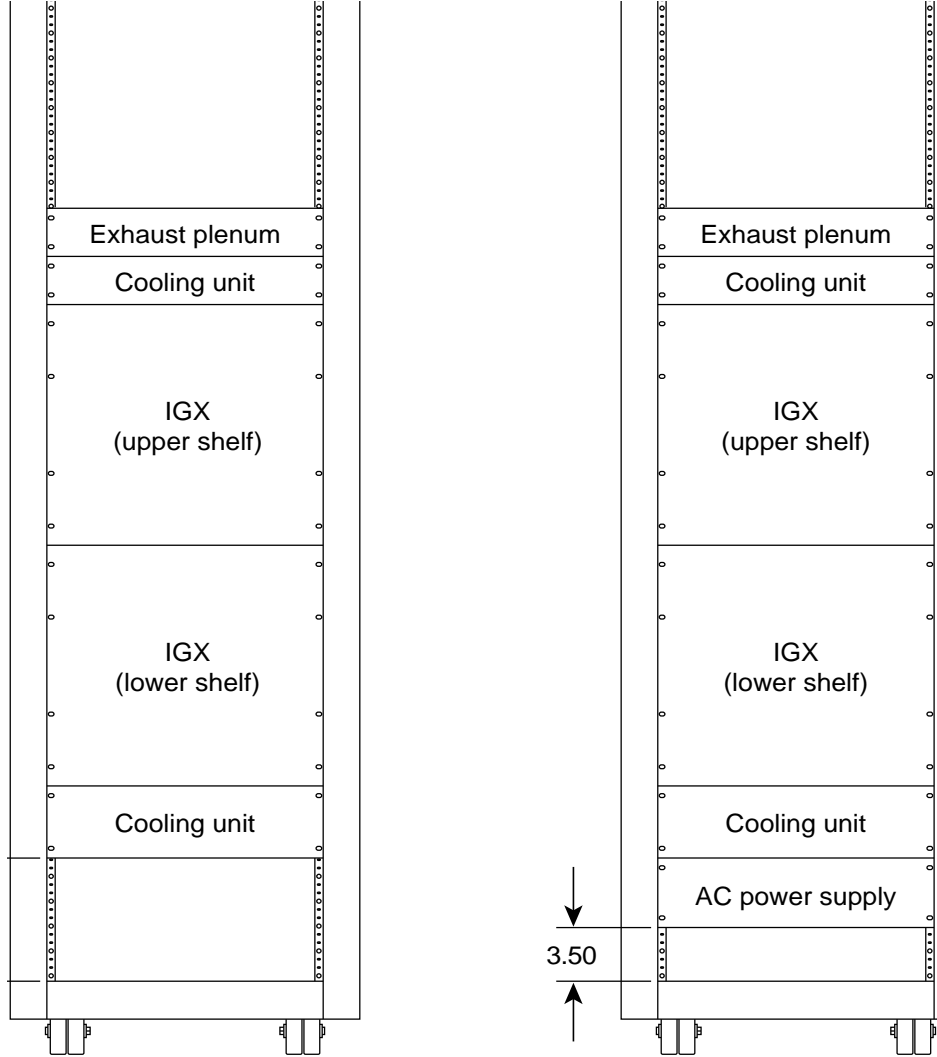
Figure B-7   Typical Stacking Order, BPX With 2 INS and 3 AXIS, DC Powered

Exhaust plenum

AXIS

AXIS booster

AXIS

AXIS

Cooling unit

INS

INS

BPX

BPX, INS (2),

Exhaust plenum

AXIS

AXIS

AXIS booster

AXIS

AXIS

AXIS booster

AXIS

AXIS

Cooling unit

50
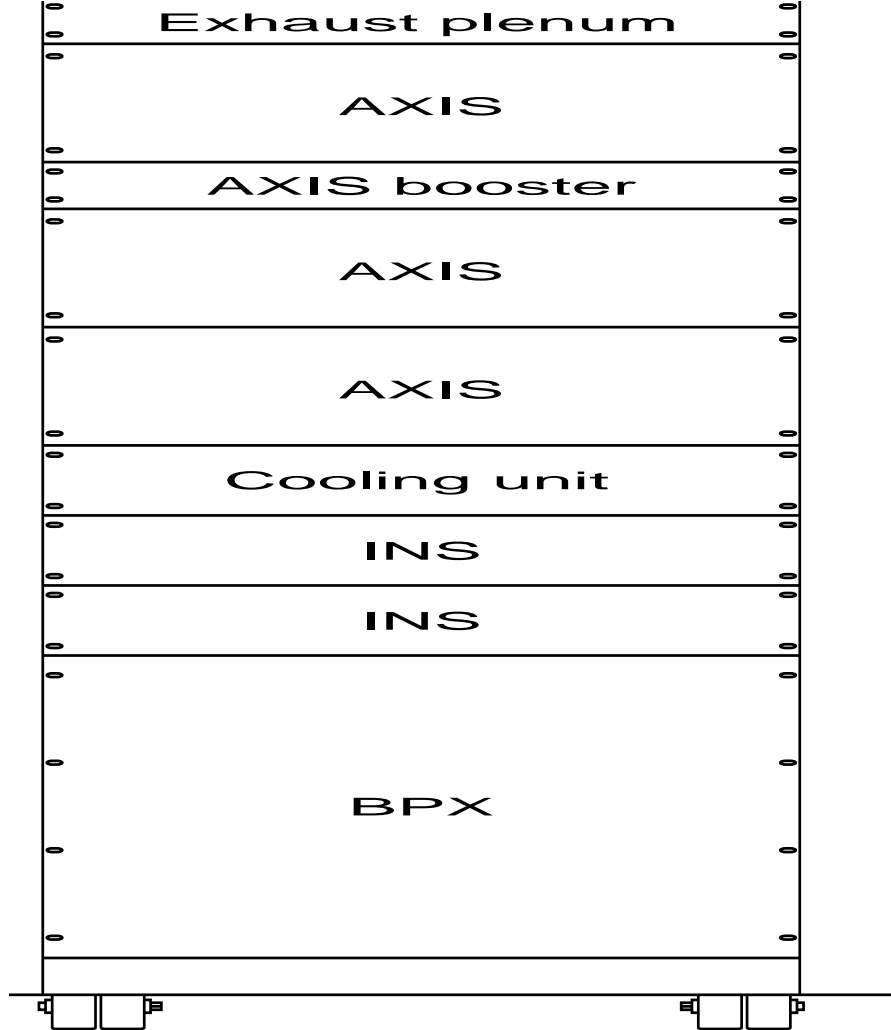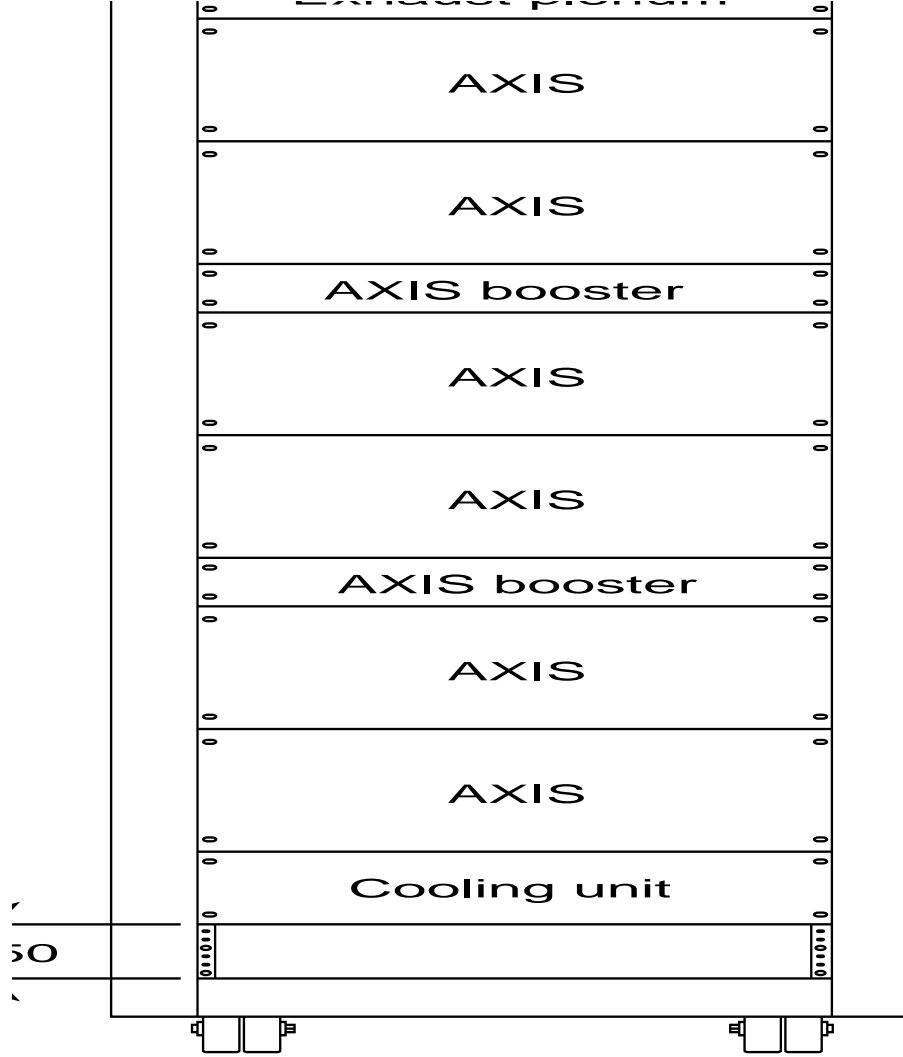
Figure B-9   **Typical Stacking Order, BPX With Three AXIS, DC Powered**

Exhaust plenum

AXIS

AXIS booster

AXIS

AXIS

Cooling unit

BPX

SO
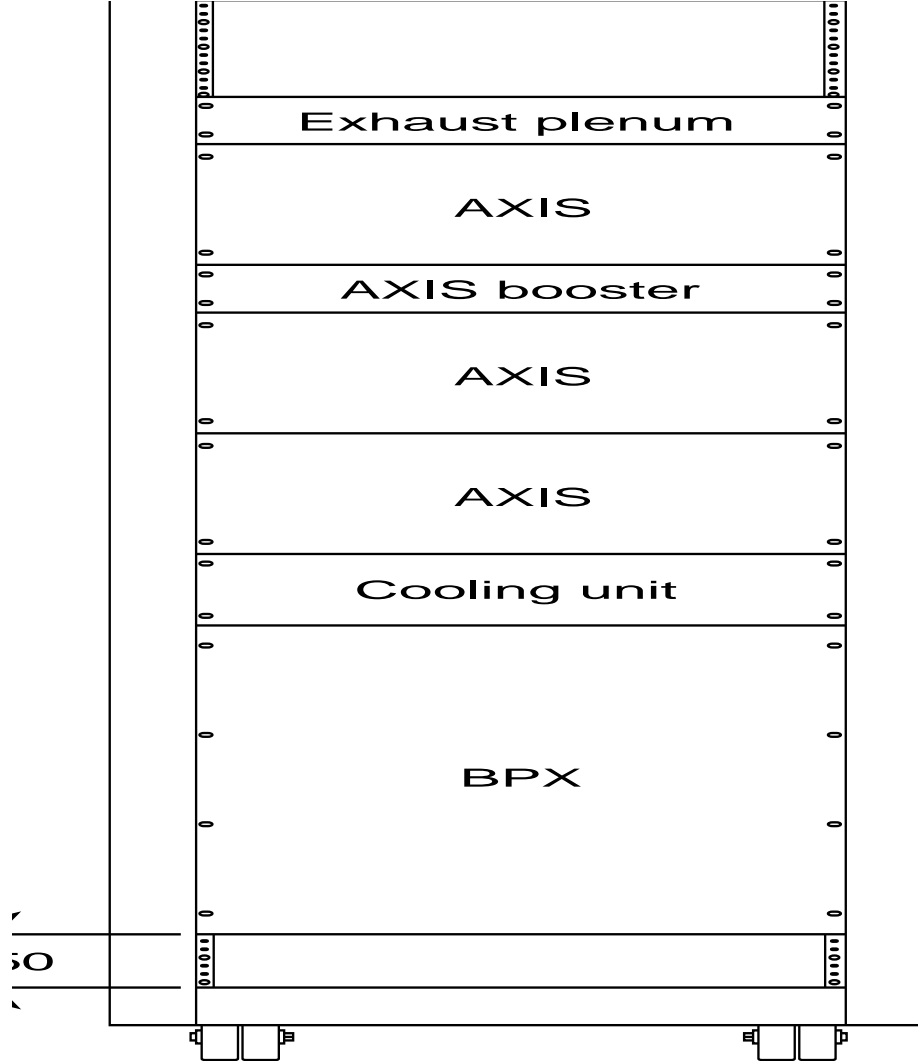
Table B-1   Table of STRATM Cabinet and Component Heights

Components	Unit Height		
	Inches	**CM.**	**RMUs**
AXIS Card Cage	8.75	22.225	5
AXIS AC Power Supply shelf	5.25	13.335	3
AXIS Booster Fan Assembly	3.5	8.89	2
AXIS Cooling Assembly	5.25	13.335	3
AXIS Exhaust Plenum	3.5	8.89	2
BPX AC Power Supply shelf	5.25	13.335	3
BPX Card Cage	22.75	57.785	13
IGX AC Power Supply shelf	5.25	13.335	3
IGX Booster Fan Assembly	3.5	8.89	2
IGX Card Cage	17.5	44.45	10
IGX Cooling Assembly	5.25	13.335	3
IGX Exhaust Plenum	3.5	8.89	2
IGX-8	24.5	62.23	14
INS	5.5	13.97	4
Cabinet	**Inside Height**		
	Inches	**CM.**	**RMUs**
STRATM Cabinet	71.75	1822.45	41

Figure B-10   Mounting Brackets (BPX)

Rear rail

BPX

Front rail

Mounting bracket

19.86 Ref

H8224