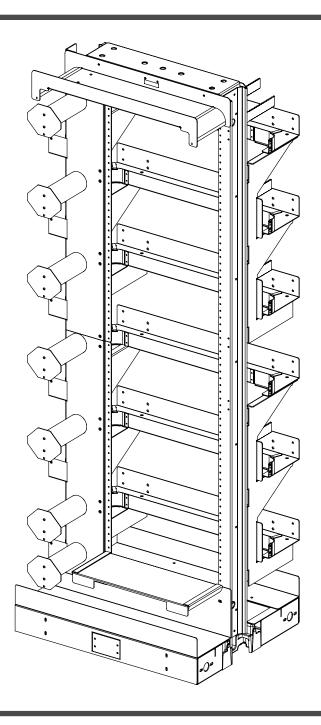


NG3™ High-Density Fiber Distribution Frame System Rack Installation Manual: Raised Floor





NG3™ High-Density Fiber Distribution Frame System Rack Installation Manual: Raised Floor

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REVISION HISTORY

ISSUE	DATE	REASON FOR CHANGE
1	2/2003	Original
2	6/2003	Add section for securing two racks

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ADOD Maria

ABOUT THIS MANUAL

This manual provides complete instructions for installing an NG3 rack on a raised floor and grounding the rack. For instructions on installing an end guard and securing two racks, refer to ADCP-90-299, "NG3 High-Density Fiber Distribution Frame System Installation Manual: Concrete Floor."

RELATED PUBLICATIONS

Listed below are related manuals and their publication numbers. Copies of these publications can be ordered by contacting the ADC Technical Assistance Center at 1-800-366-3891 (in U.S.A. or Canada) or 952-917-3000, extension 73475 (outside U.S.A. and Canada).

Title/Description	ADCP Number
NG3 High-Density Fiber Distribution Frame System Patch Cord Routing Guide Provides pictorial guidelines for routing patch cords on a lineup consisting of one or more NG3 frames. This manual consists of laminated cards that hang on the lineup.	90-296
NG3 High-Density 72 Position Hinged Termination Panel User Manual Provides installation and operation instructions for the NG3 termination panel.	90-297
NG3 High-Density Fiber Distribution Frame System User Manual Contains an NG3 system overview and information for planning and operating the system.	90-298
NG3 High-Density Fiber Distribution Frame System Installation Manual: Concrete Floor Provides pictorial instructions for installing an NG3 rack on a concrete floor, grounding a rack, installing an endguard and securing two racks.	90-299

ADMONISHMENTS

Important safety admonishments are used throughout this manual to warn of possible hazards to persons or equipment. An admonishment identifies a possible hazard and then explains what may happen if the hazard is not avoided. The admonishments — in the form of Dangers, Warnings, and Cautions — must be followed at all times. These warnings are flagged by use of the triangular alert icon (seen below), and are listed in descending order of severity of injury or damage and likelihood of occurrence.



Danger: Danger is used to indicate the presence of a hazard that **will** cause severe personal injury, death, or substantial property damage if the hazard is not avoided.



Warning: Warning is used to indicate the presence of a hazard that **can** cause severe personal injury, death, or substantial property damage if the hazard is not avoided.



Caution: Caution is used to indicate the presence of a hazard that will or can cause minor personal injury or property damage if the hazard is not avoided.

GENERAL SAFETY PRECAUTIONS



Danger: Infrared radiation is invisible and can seriously damage the retina of the eye. Do not look into the ends of any optical fiber. Do not look directly into the optical adapters of the adapter packs. Exposure to invisible laser radiation may result. An optical power meter should be used to verify active fibers. A protective cap or hood MUST be immediately placed over any radiating adapter or optical fiber connector to avoid the potential of dangerous amounts of radiation exposure. This practice also prevents dirt particles from entering the adapter or connector.

LIST OF ACRONYMS AND ABBREVIATIONS

The following acronyms are used in this manual:

FOT Fiber Optic Terminal

IFC Intra Facility Cable

NG3 New Generation High-Density Fiber Distribution Frame

OSP Outside Plant

Table 1. Tools Required

TOOL	PICTURE
Adjustable Wrenches (2) 0.25- to 1-inch (8mm to 25.4mm)	12494-B
Crow Bar	(Z) 12495-B
Drill: with Metal and Concrete Drill Bits 0.25- to 1.0-inches (8mm to 25.4mm)	12496-B
Ruler	12825-9
File	12497-B
Torque Wrench 19.9 ft-lbs. (27 NM)	17721-A
Allen Wrench (5/16-inch)	
Note: Used for Leveling Rack	18406-A
Flat Tip (•) and Phillip (+) Screwdrivers (#1, #2, and #3)	12503-B

continued

Table 1. Tools Required, continued

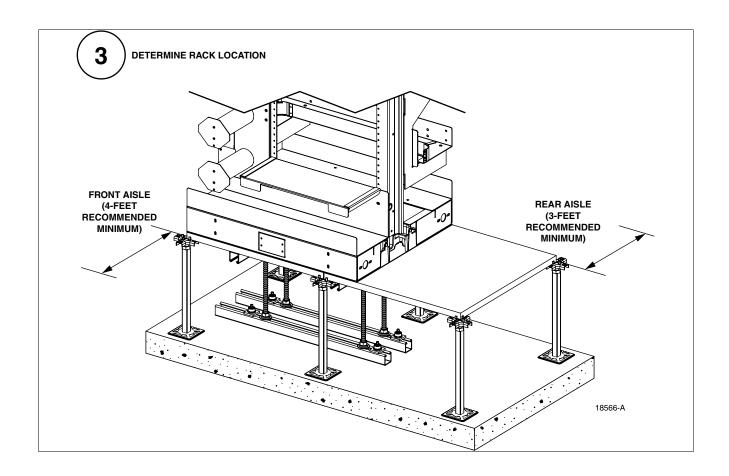
TOOLS REQUIRED (CONTINUED)	PICTURE
Hacksaw	12499-B
Hammer	12500-B
Jigsaw: Blades for Cutting Floor Tile and Metal	12501-B
Level	12502-B
Set of Open End/Box Wrenches 0.25- to 1.0-inches (8mm to 25.4mm)	12506-B
Set of Sockets 0.25- to 1.0-inches (8mm to 25.4mm)	12504-B
Crimping Tool 0.25- to 0.3-inches (6.35mm to 7.62mm) Note: Used for Grounding Rack	12824-A
Vacuum	12505-B

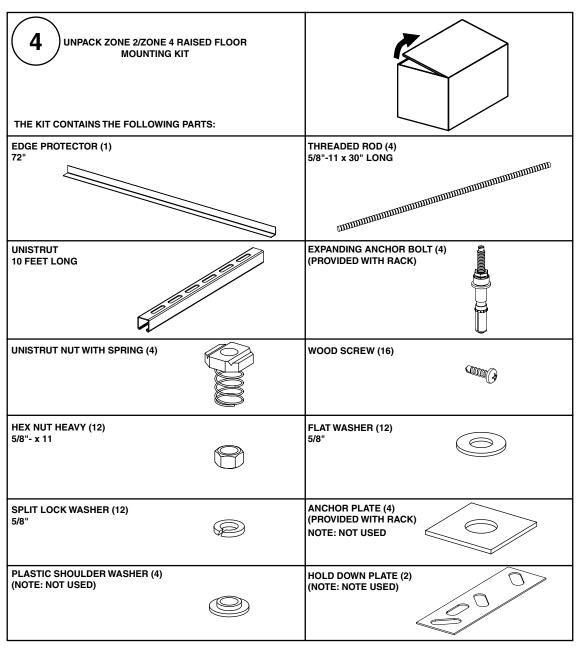
Table 2. Ground Wire Kit

ITEM	DESCRIPTION/PICTURE
Ground Cable (13 ft.)	#6 AWG (4.1mm) solid copper tin wire
Nylon Cable Clamps (8)	18413-A
12-24 x 0.5-inch screws (10)	18414-A
2 Hole Lug Copper Connector (1) (0.75-inch hole spacing) Accommodates 6 AWG wire	12498-B

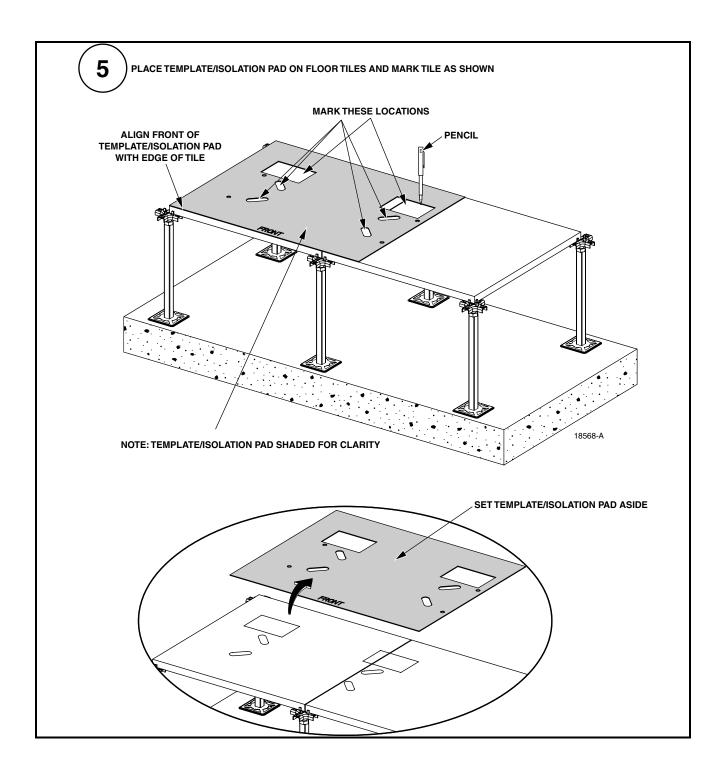
UNPACK RACK **USE CROW BAR** TO OPEN CRATE CHECK CONTENTS **CAUTION: USE APPROPRIATE EQUIPMENT TO LIFT RACK** NG3 RACK RACK MOUNTING KIT (ORDERED SEPARATELY) TEMPLATE/ISOLATION PAD (ORDERED SEPARATELY) 18335-A NOTE: TEMPLATE/ISOLATION PAD NOT REQUIRED FOR INSTALLATION 0

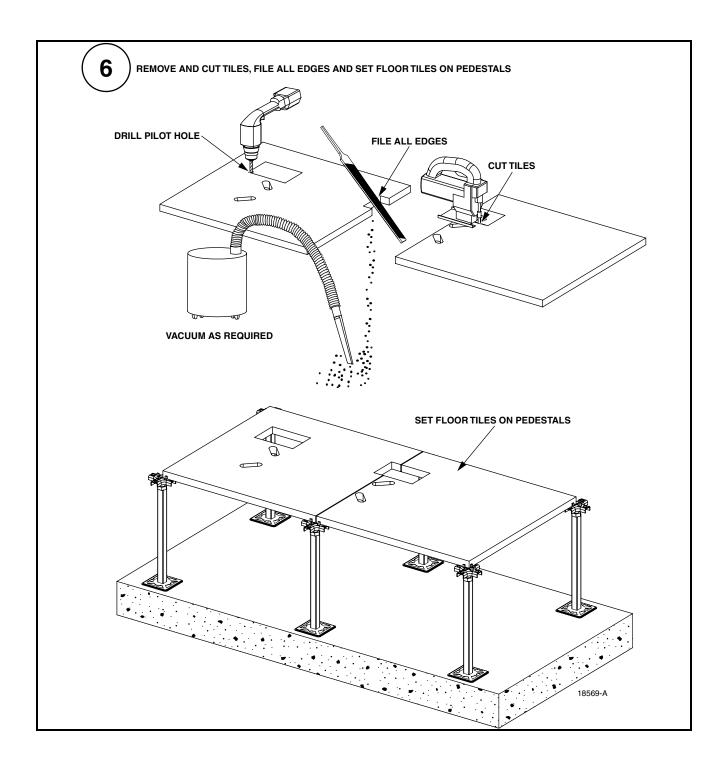
▶ **Note**: Raised floor installation of NG3 Rack should take approximately 2 hours.

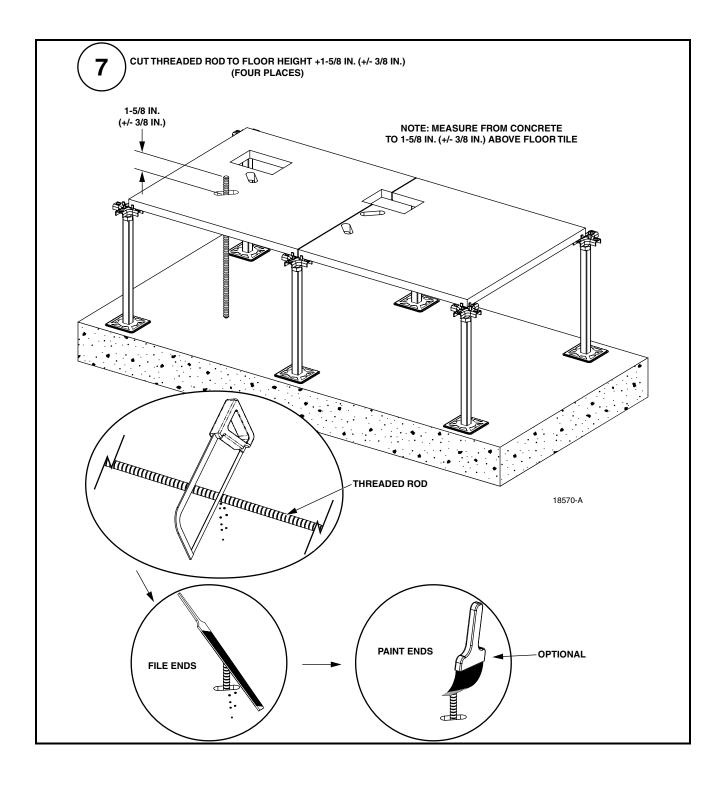


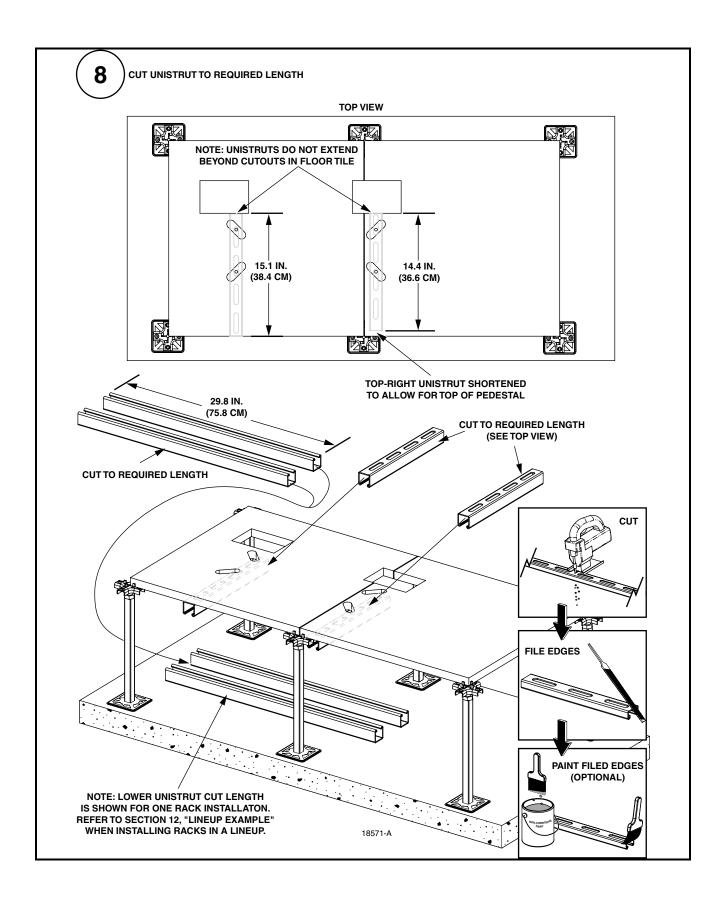


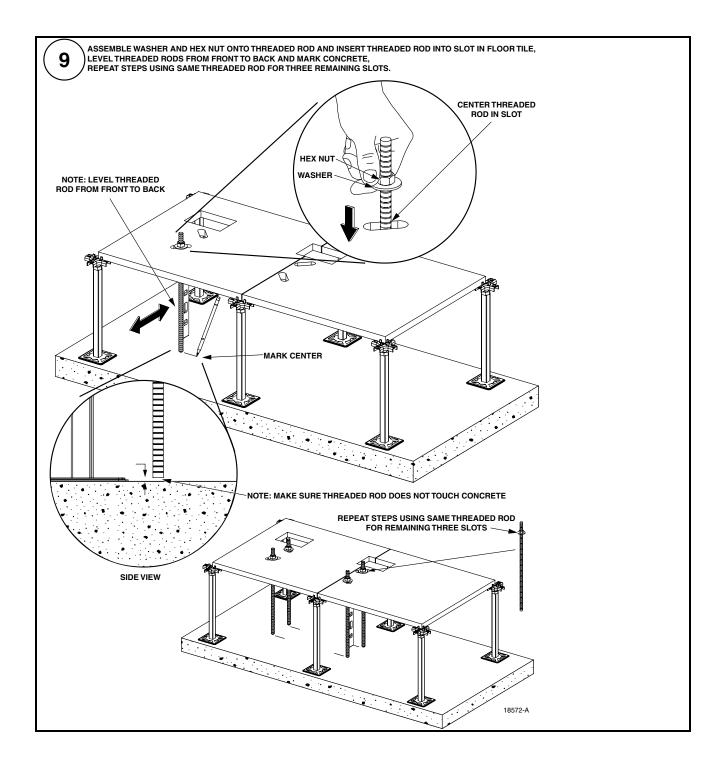
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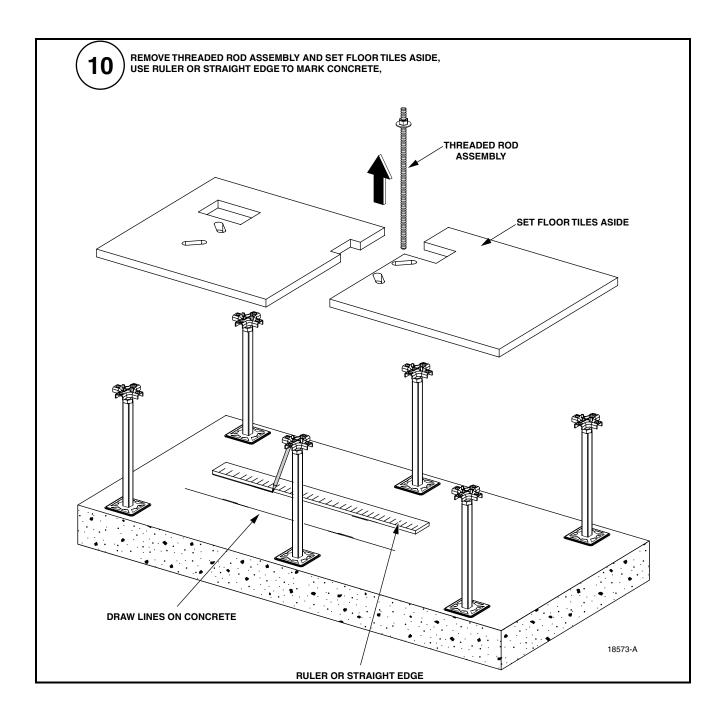


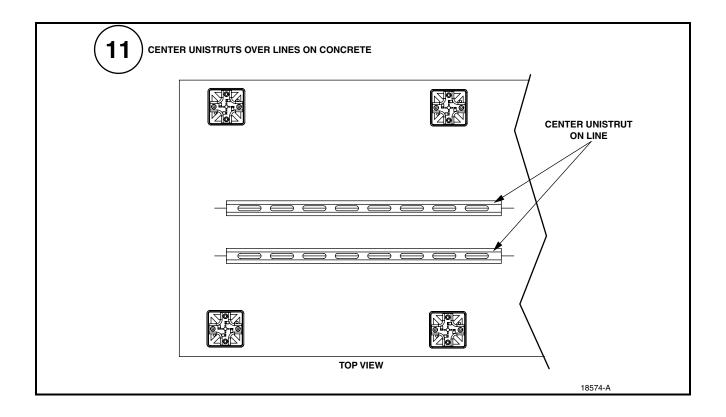


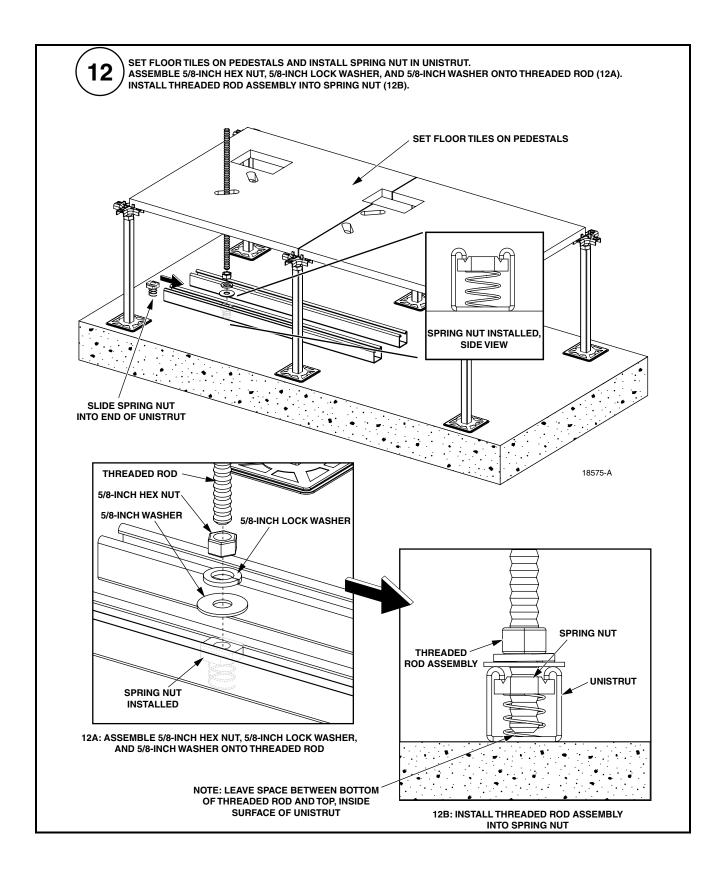


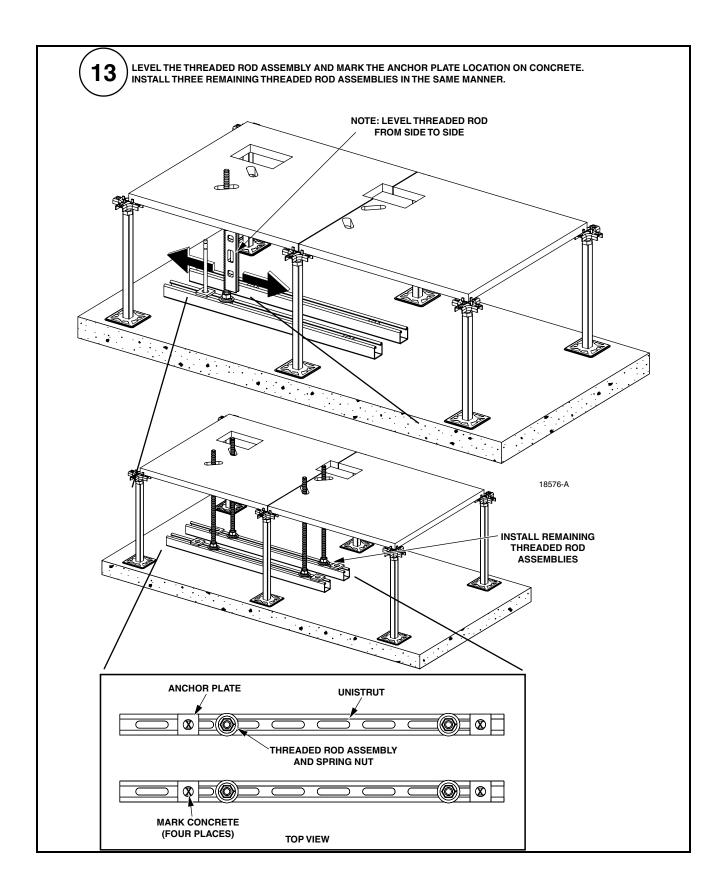


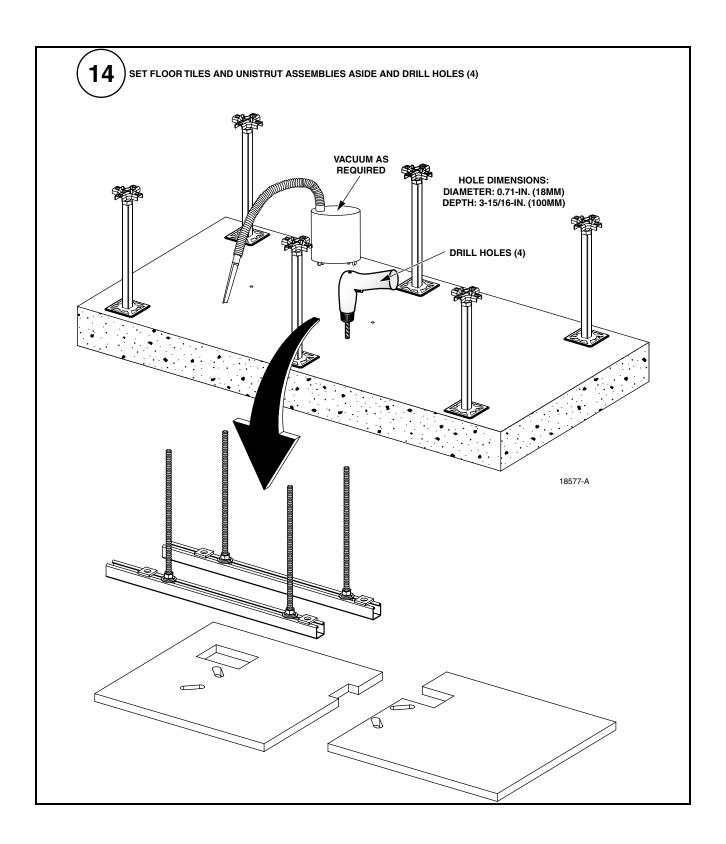


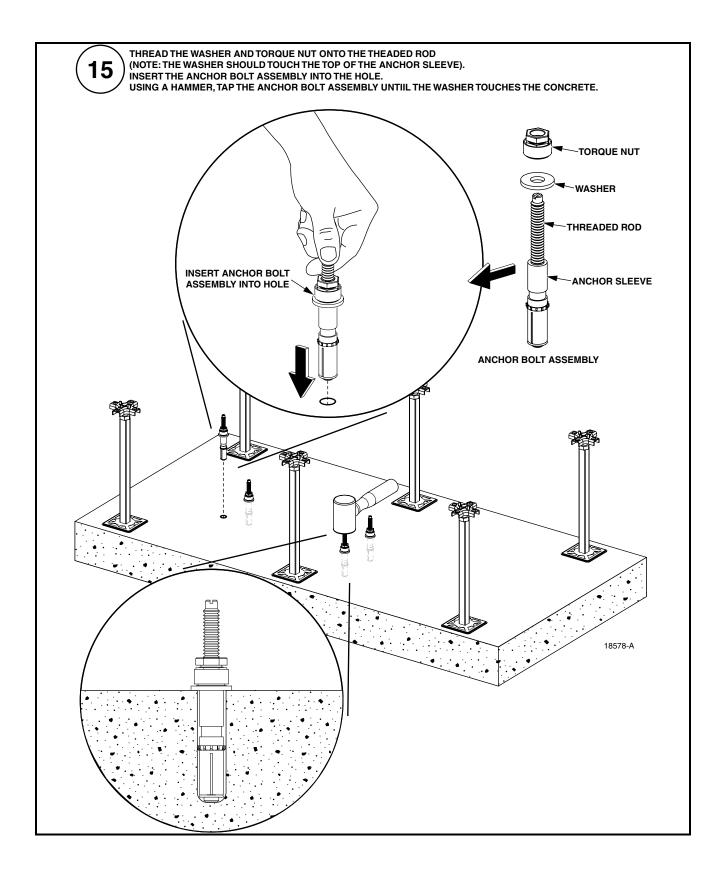


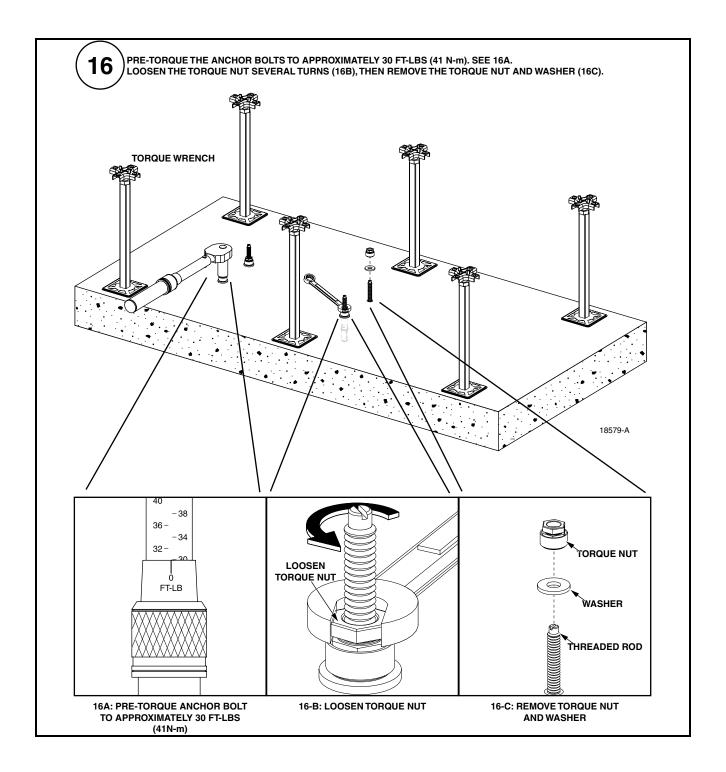


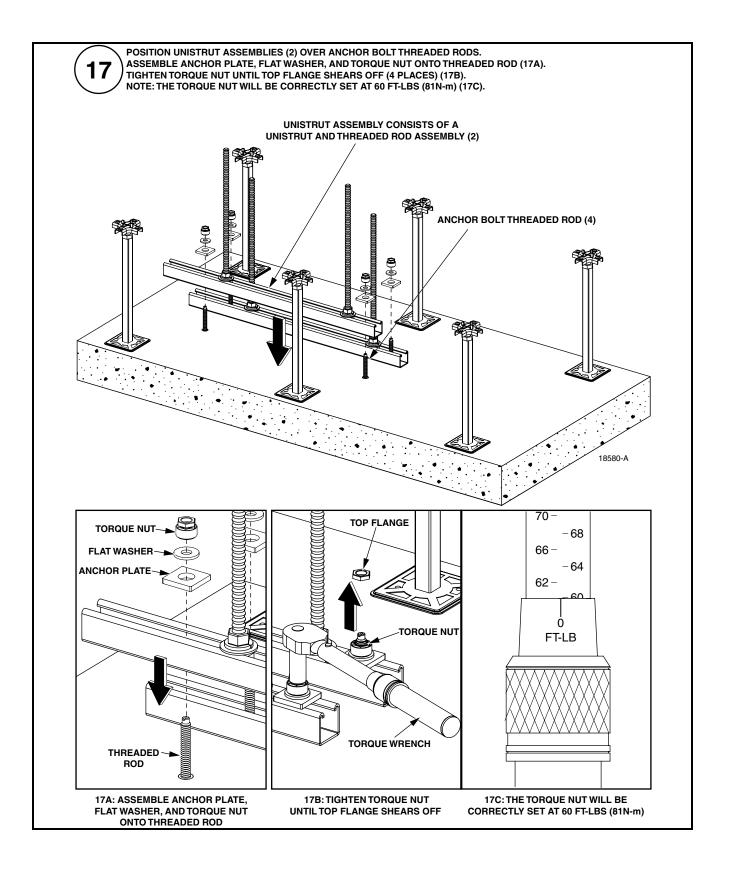


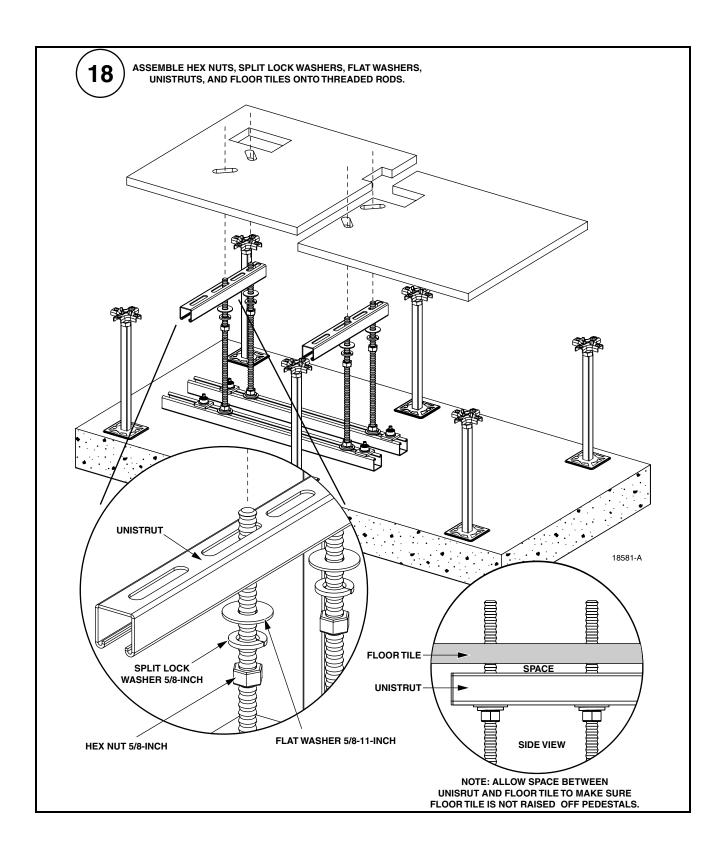


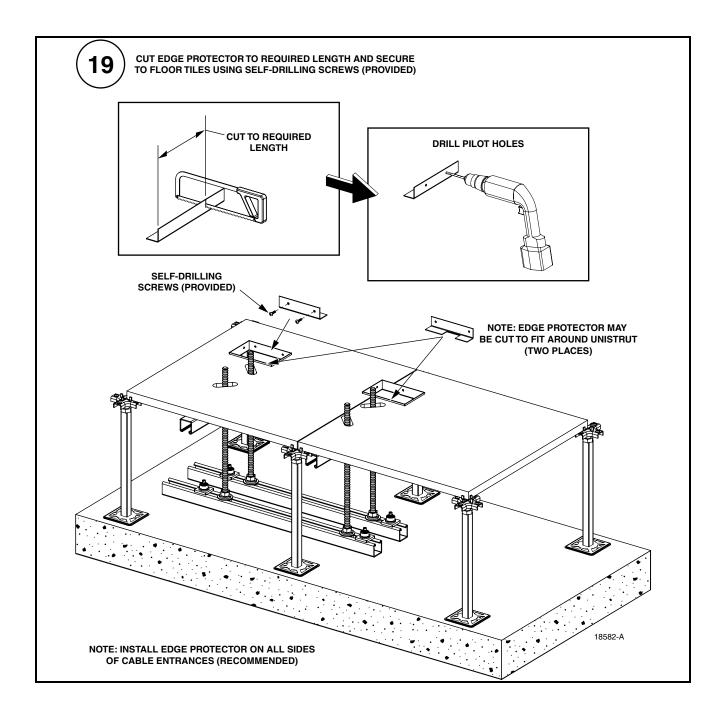


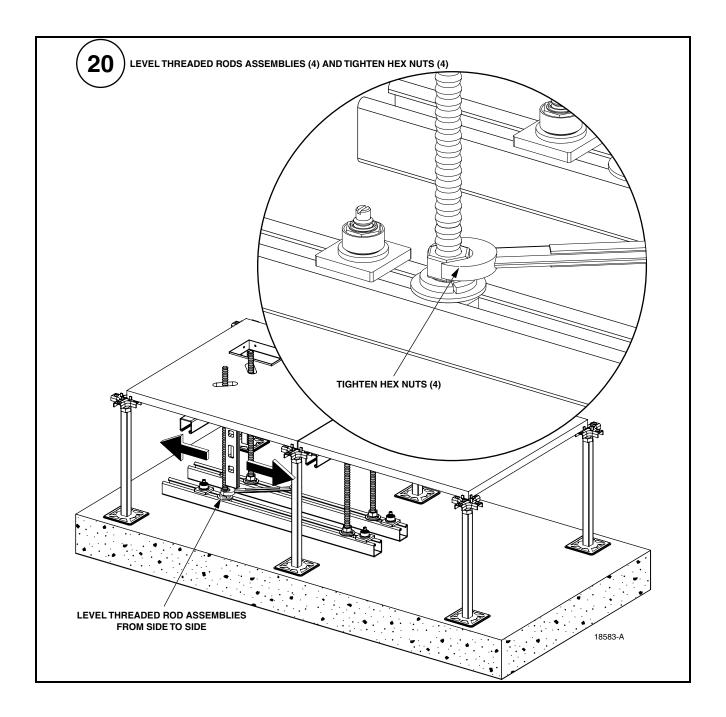


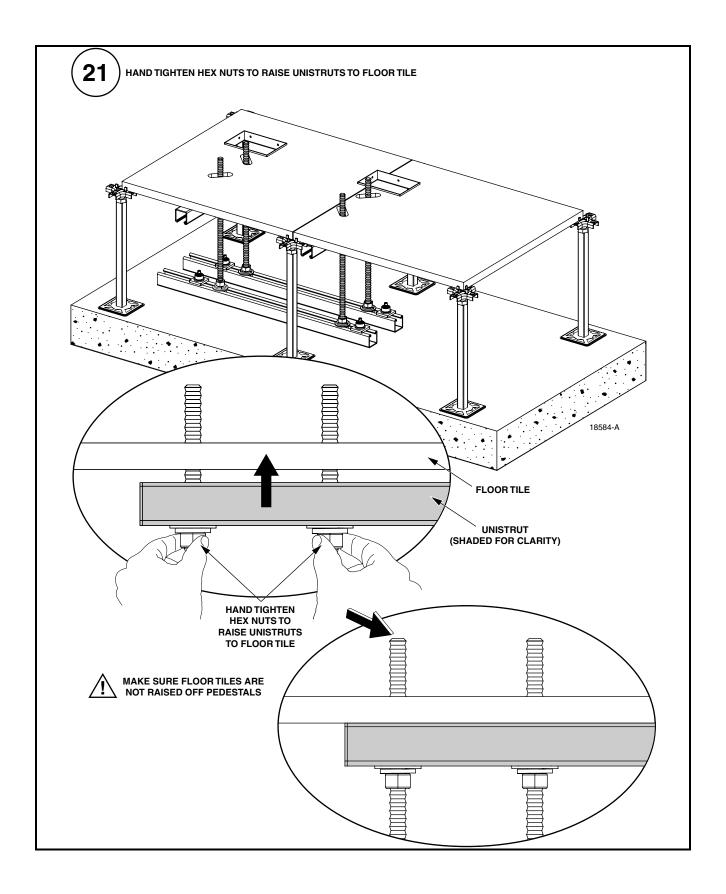




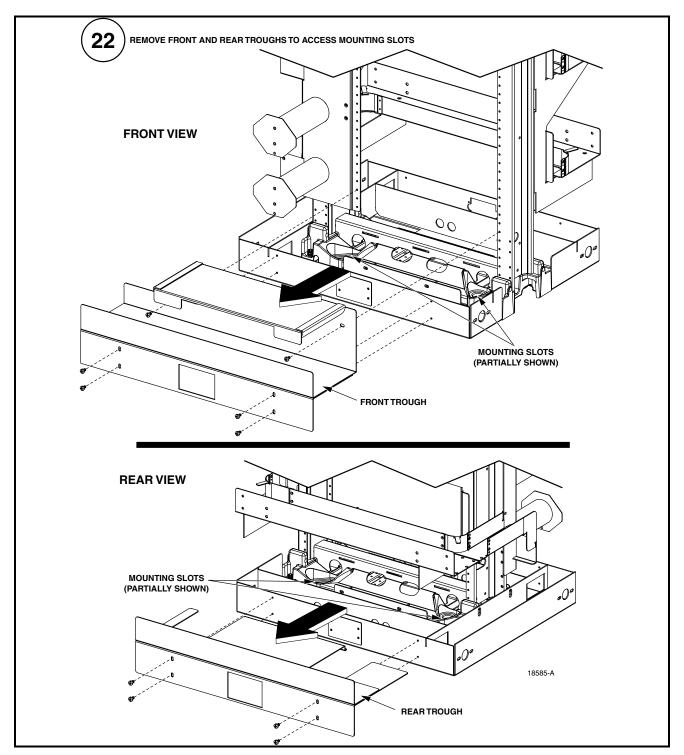


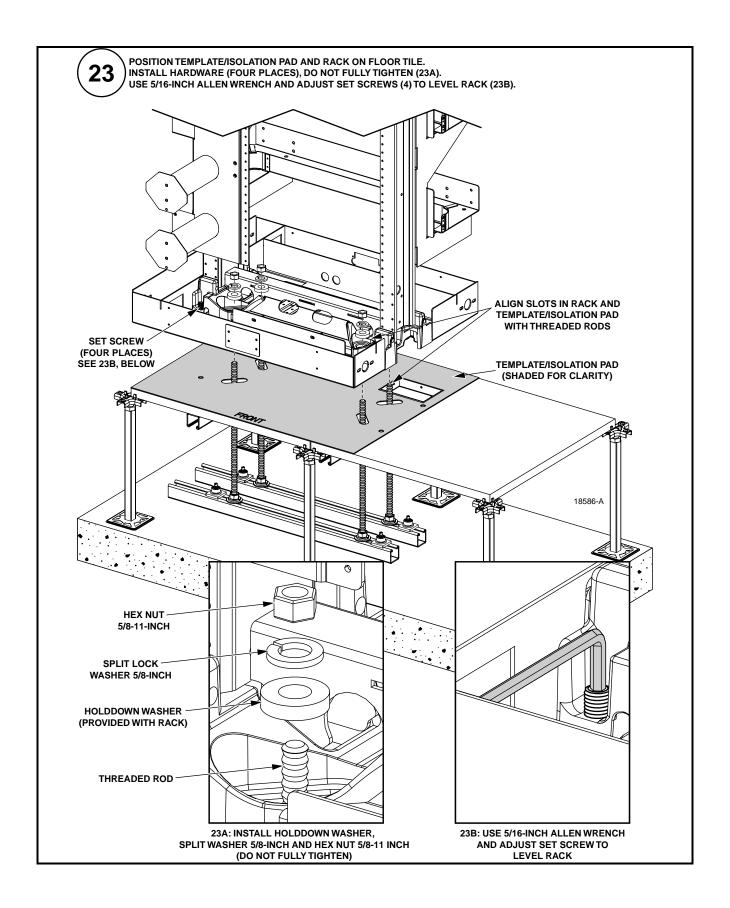


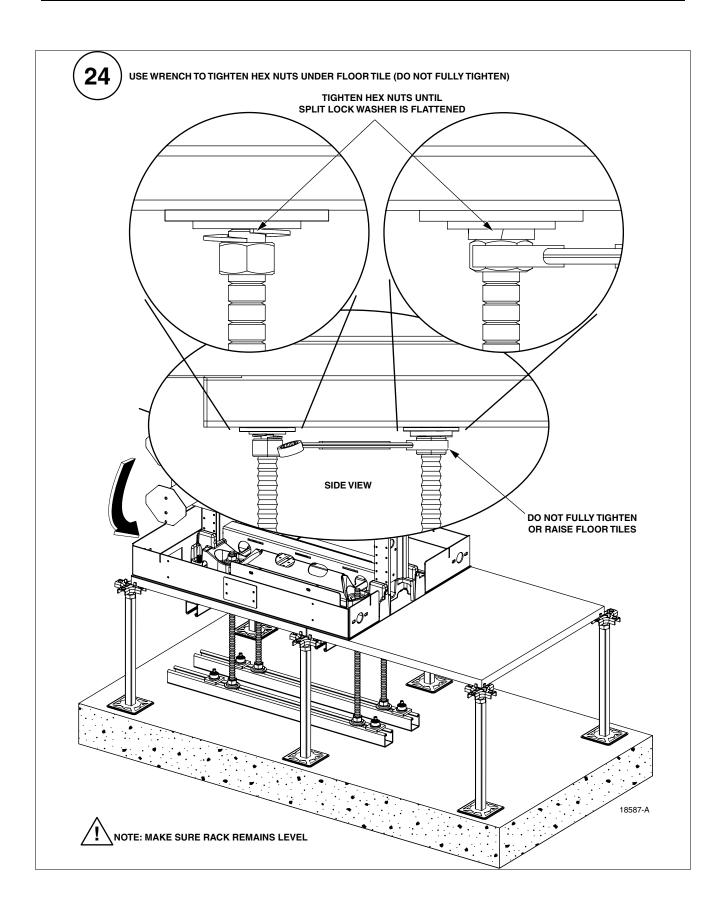


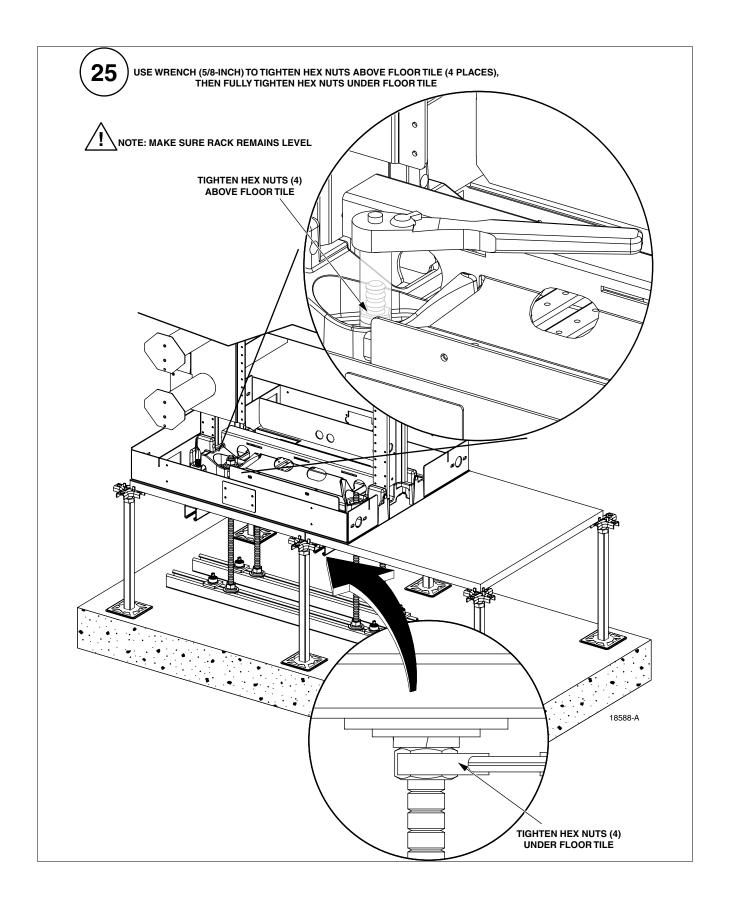


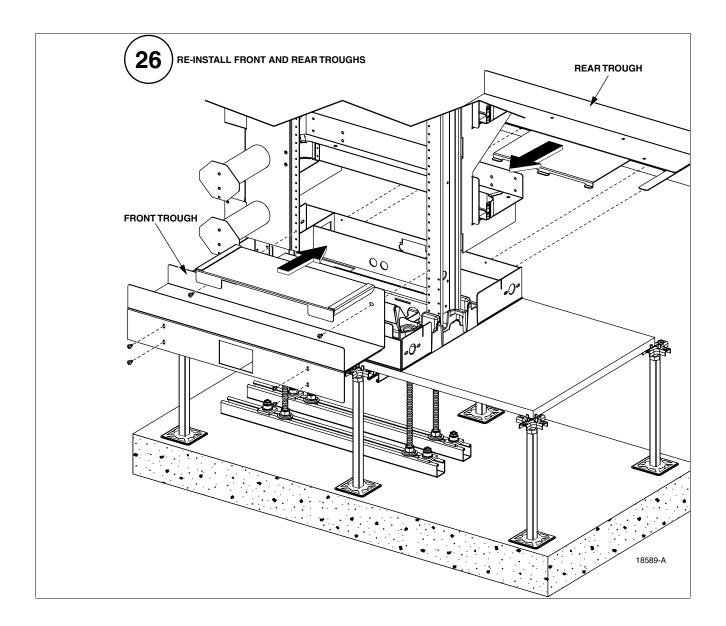
Caution: An NG3 Rack weighs approximately 300 lbs (136 kilos). Do not attempt to lift of move the rack without using appropriate equipment.

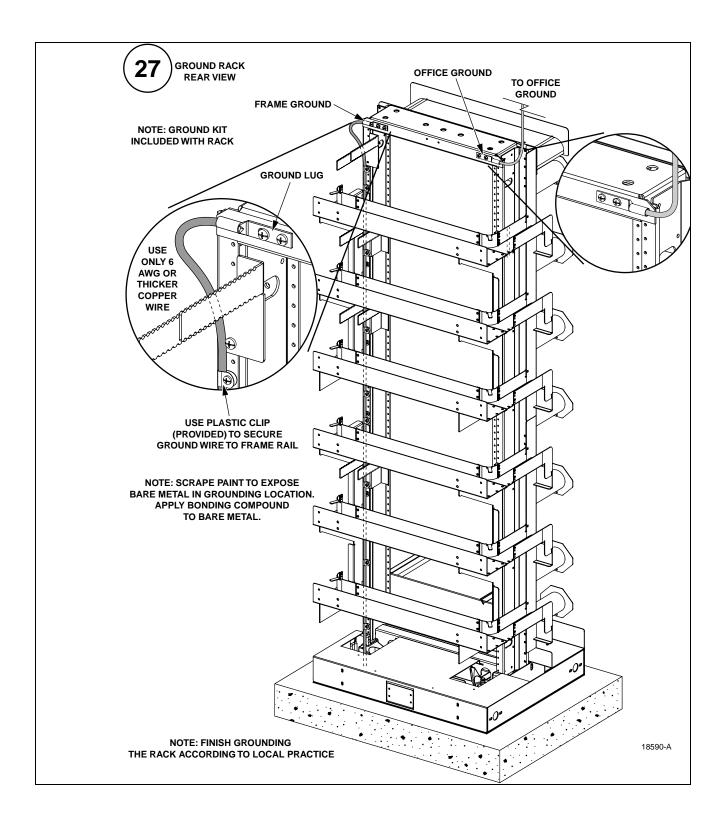




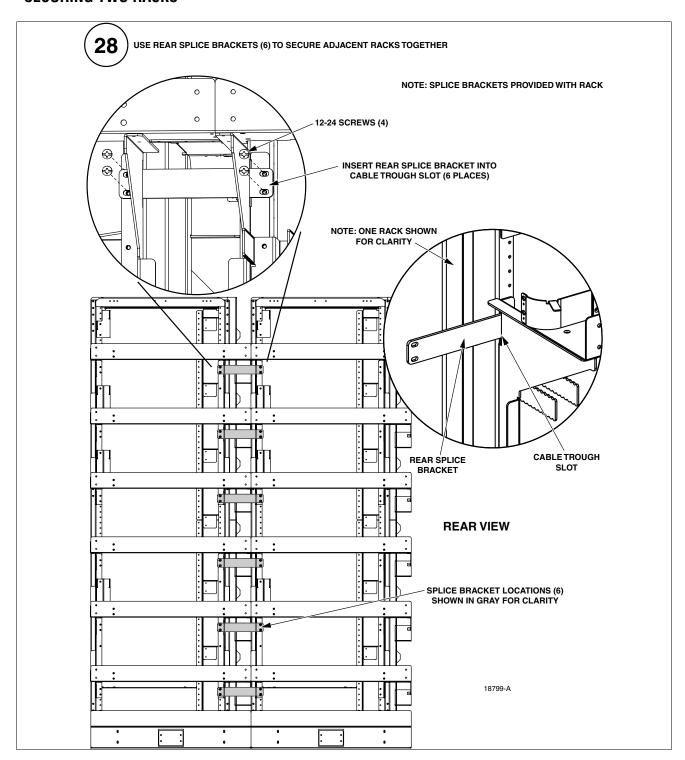




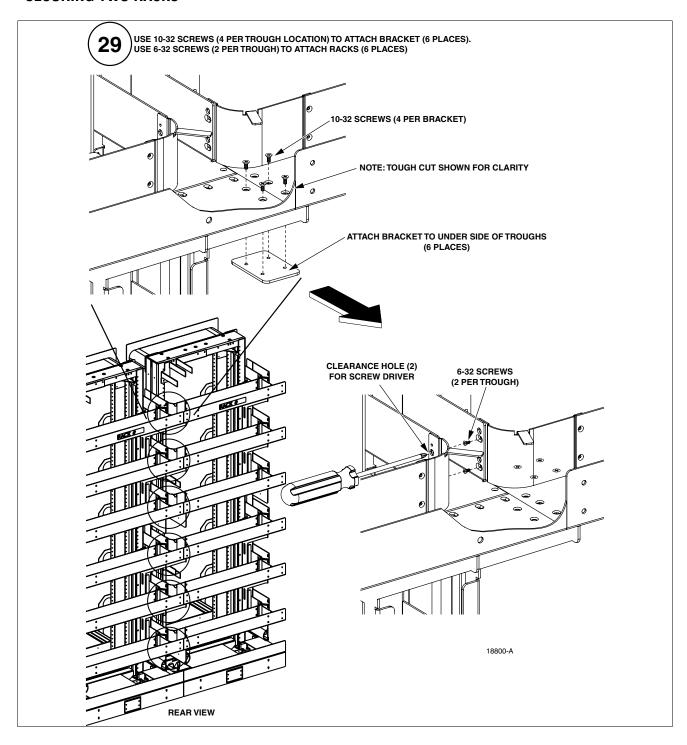




SECURING TWO RACKS



SECURING TWO RACKS



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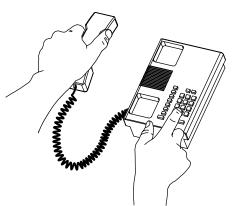
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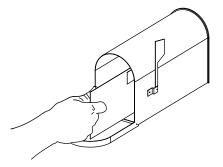


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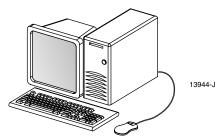
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