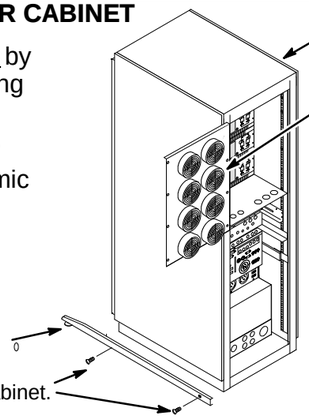
INSTALLATION STEPS SUMMARY

- **A1 - Position/Anchor Power Cabinet**
- **A2 - Front View with Module Designators**
- **A3 - Input Voltage and Circuit Breaker DIP Switch Settings**
- **A4 - Facility Power and Ground Connention**
- **A5 - Route Power Cables Thru PDU Interface Panel**

- A1 - POSITION/ANCHOR POWER CABINET

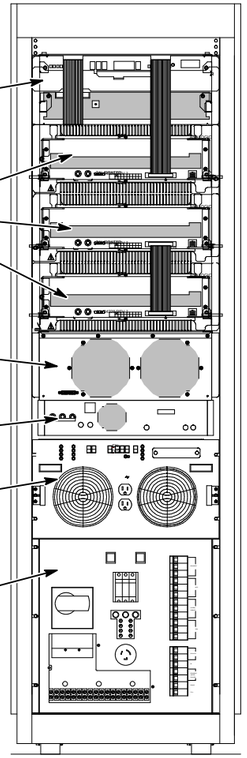
Note: Comply with UL requirements by either installing anti tip legs or securing the cabinet to the floor with local supplied brackets and floor anchors.

If anchoring is required by local seismic code, secure to floor using floor anchors. Refer to local codes for seismic installation details.



1. Move new Power Cabinet to final position.
2. Open rear door panel.
3. Remove anti- tip bars from inside of cabinet.
4. Attach bars to cabinet.
5. Adjust leveling pads to level cabinet.

- A2 - FRONT VIEW WITH MODULE DESIGNATORS



DANGER!!

LETHAL VOLTAGES ARE PRESENT WITHIN THE PDU. MAKE SURE THAT POWER AT THE MAIN DISCONNECT IS OFF, LOCKED, AND TAGGED BEFORE PROCEEDING.

- A2 - INPUT VOLTAGE AND CIRCUIT BREAKER DIP SWITCH SETTINGS

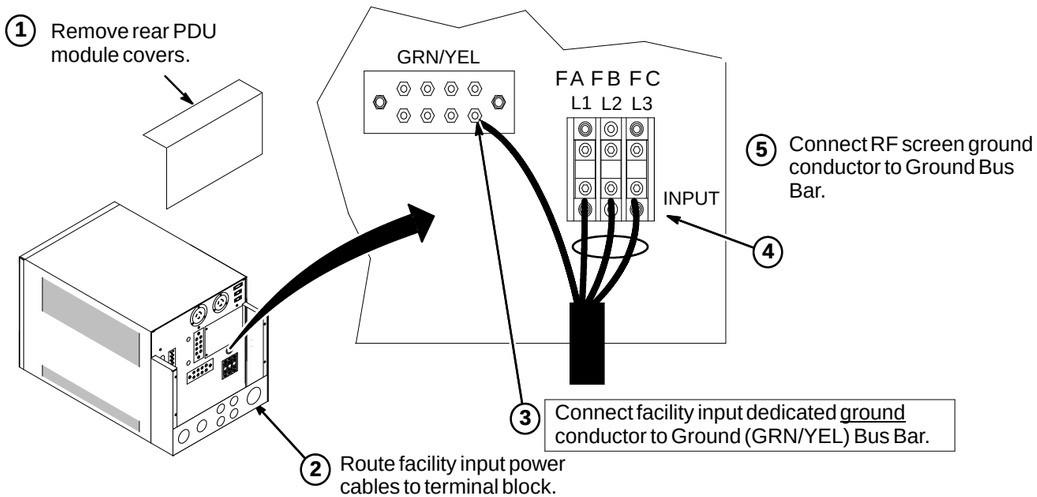
Refer to Direction 2266541, *Phoenix PDU Module in 0.7T Power Cabinet,* Section 3, Installation and Operation, for instructions on Input Voltage Selection and Circuit Breaker Dip Switch Settings.

A copy of the manual should be shipped with the cabinet. It can also be found on the MR Service Methods CD- ROM shipped with the system or the MR Service Engineering Web Site.

- A4 - FACILITY POWER AND GROUND CONNECTION

WARNING!

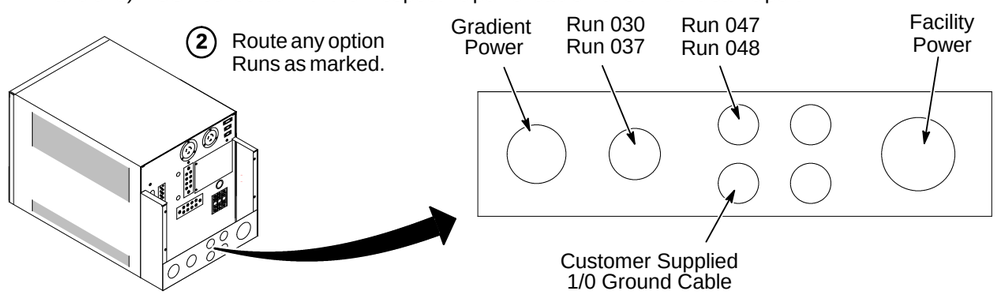
IF 3 PHASE WYE WITH NEUTRAL AND GROUND (5 WIRE SYSTEM) INPUT IS USED THE NEUTRAL MUST BE TERMINATED INSIDE THE MAIN DISCONNECT PANEL AND NOT BROUGHT TO THE POWER CABINET.



1. Remove rear PDU module covers.
2. Route facility input power cables to terminal block.
3. Connect facility input dedicated ground conductor to Ground (GRN/YEL) Bus Bar.
4. Install L1- L3 conductors to terminal block
5. Connect RF screen ground conductor to Ground Bus Bar.

- A5 - ROUTE POWER CABLES THRU PDU INTERFACE PANEL

1. Route Runs thru interface panel as marked. The GRN/YEL ground wires (Runs 037 and 048) **MUST** be routed with their respective power cable Runs thru the same port.
2. Route any option Runs as marked.



SIGNA Open*Speed* POWER CABINET INSTALLATION

INSTALLATION STEPS SUMMARY

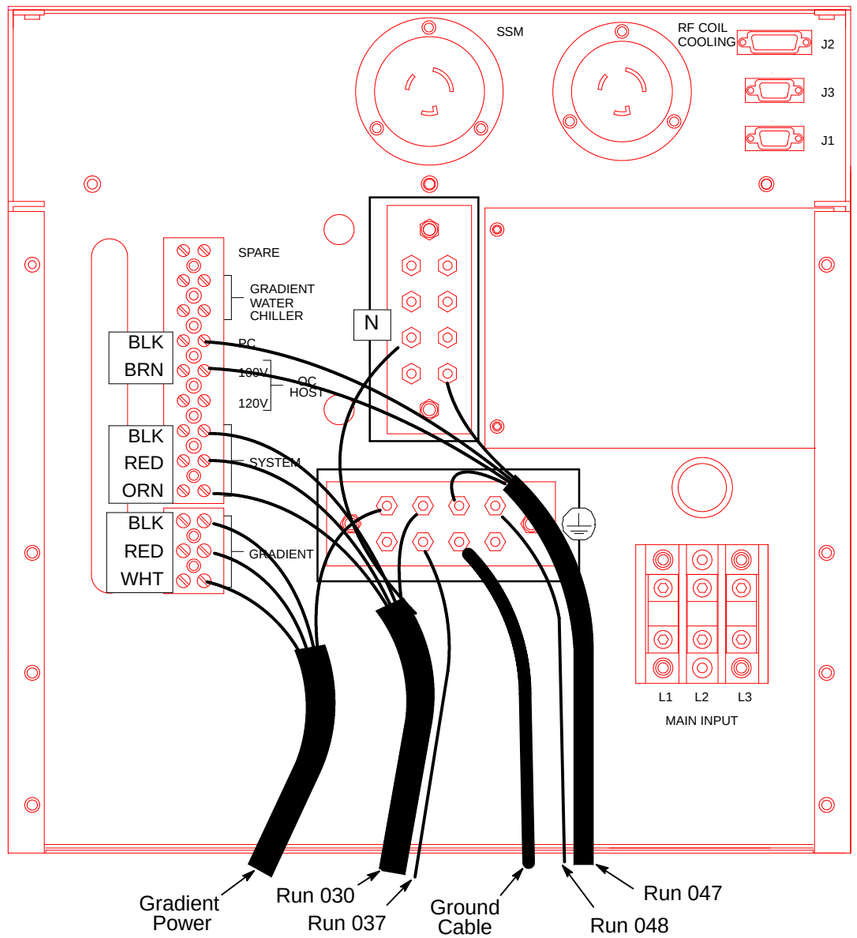
- **B1 - Connect Power Cables to PDU Module**
- **B2 - Route/Connect Runs 703 and 706 to PDU Module**
- **B3 - Connect Runs 762, 763, and 764 Output Gradient Cables**

- B1 - CONNECT POWER CABLES TO PDU MODULE

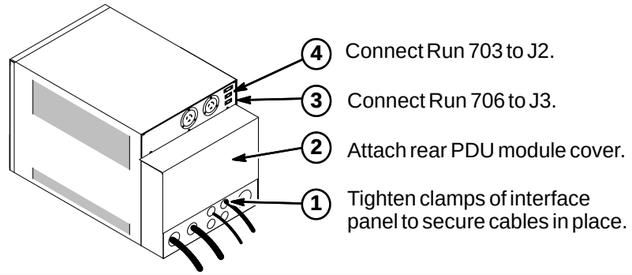
1. Route/connect power cables to pressure connectors on back of PDU module as shown in Table.
2. Trim and connect ground wire cables (Runs 037 and 048) to ground bus connectors.

CONNECT TO	RUN	PHASE	DESTINATION
1,2,3		f A, B, C	Gradient Amplifier 3f , Neutral, Ground
16,17,18	030	f A, B, C	System Cabient 3f , Neutral, Ground
25,31	047	f C,A	Operator Workspace Single f , Neutral, Ground
GROUND	037		System Cabinet Ground Wire
GROUND	048		Operator Workspace Ground Wire
GROUND			Customer Supplied1/0 Ground Cable

COLOR CODE: for remainder of cables:
3f = Black, Red, Orange Neutral = Light blue Gnd = Grn/Yel
Single f = Brown, Black
Other 3- phase cable Phase Coding: Black = Phase A; Red = Phase B; Orn= Phase C



- B2 - ROUTE/CONNECT RUNS 703 AND 706 TO PDU MODULE

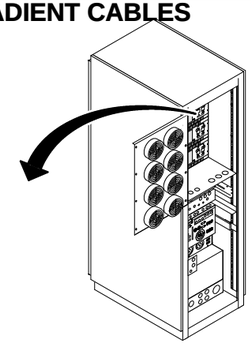


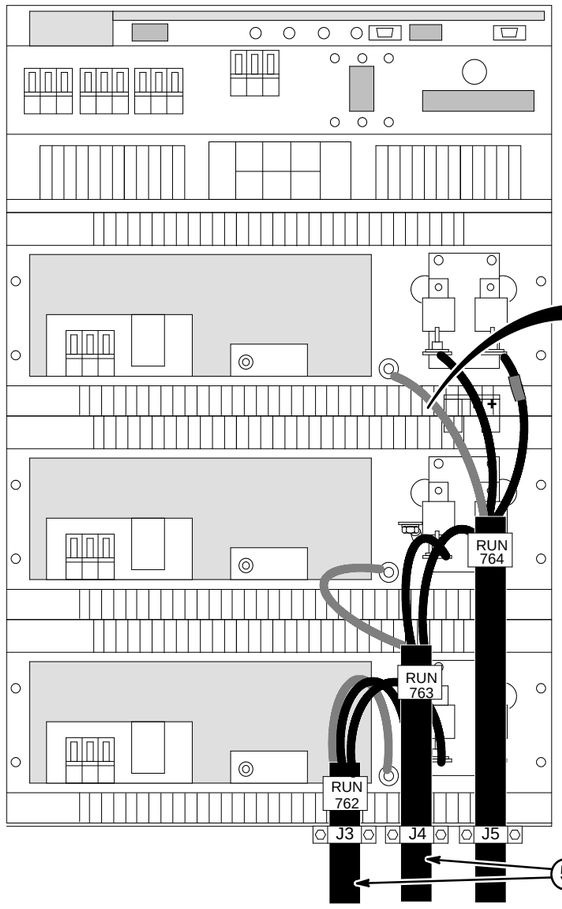
4. Connect Run 703 to J2.
3. Connect Run 706 to J3.
2. Attach rear PDU module cover.
1. Tighten clamps of interface panel to secure cables in place.

- B3 - CONNECT RUNS 762, 763, & 764 OUTPUT CRADIENT CABLES

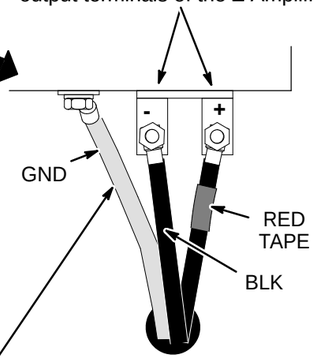
NOTE: Output cables (Runs 762, 763, and 764) were previously routed, cut to length, and terminated.

1. Loosen screws on J5 clamp on bottom of shelf below. Insert ends of Run 764 gradient output cable into Cabinet Interface J5. (Runs 762 will insert into J3, and Run 763 into J4)





2. Connect gradient output cables with red- taped (+) #1 wires to + output terminals and black (-) #2 wires to - output terminals of the Z Amplifier.



3. Connect the GND leads of each run to the Ground stud located on the back of amplifier.
4. Tighten clamp block to secure output power cable to I/F panel.
5. Repeat steps 1, 2, 3, and 4 for connection of Runs 762 and 763 to X and Y Amplifiers.

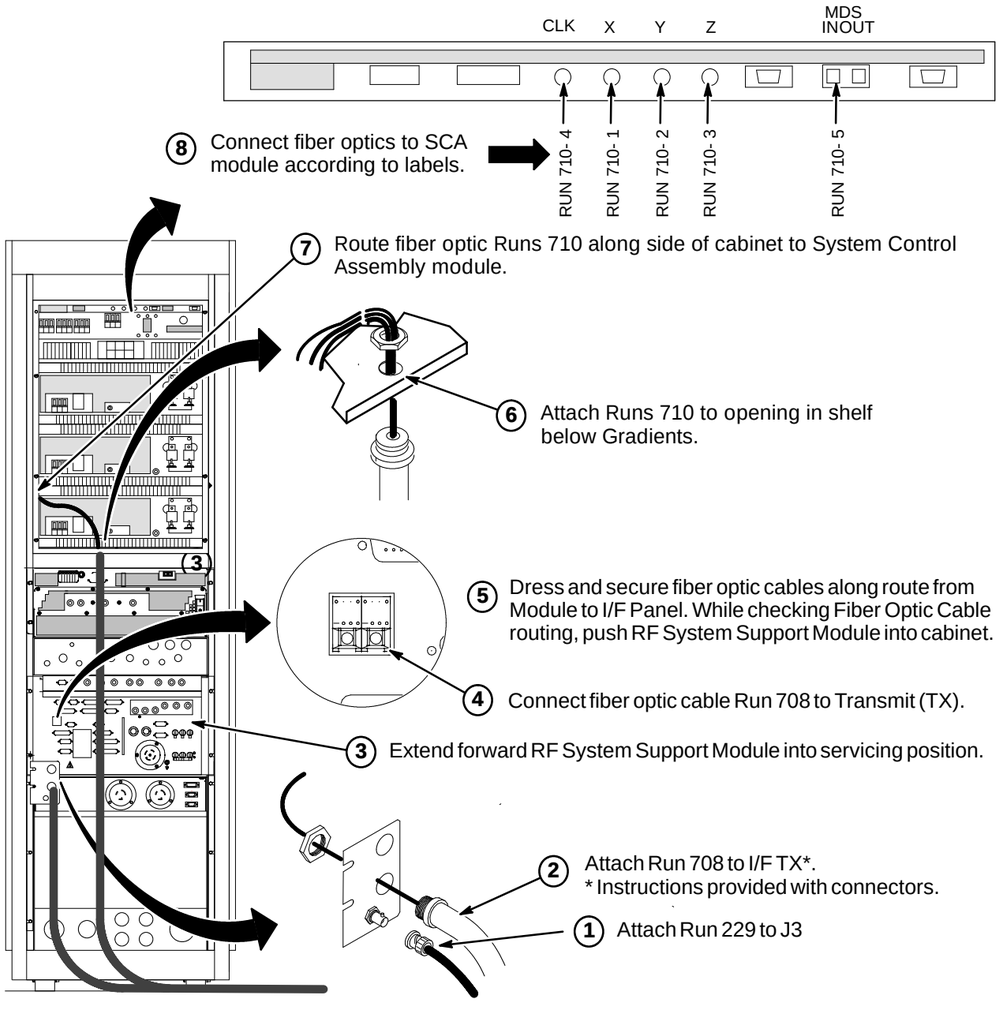
INSTALLATION STEPS SUMMARY

- **C1 - Route/Connect Fiber Optics and Run 229**
- **C2 - System Support Module Cable Connections**
- **C3 - Connect Runs 887, 888, and 935 to RF Interface (RFI) Module**
- **C4 - Attach InSite Cabinet Magnets**

- C1 - ROUTE/CONNECT FIBER OPTICS AND RUN 229

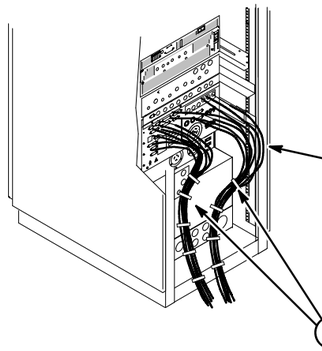
CAUTION

Handle fiber optic cables carefully. Do not bend fiber optic cables to radius smaller than two inches. Avoid scratching connector ends. Keep connectors protected until ready to connect. Routing of fiber optic cables must be done with care to prevent damage to optical fibers.



8. Connect fiber optics to SCA module according to labels.
7. Route fiber optic Runs 710 along side of cabinet to System Control Assembly module.
6. Attach Runs 710 to opening in shelf below Gradients.
5. Dress and secure fiber optic cables along route from Module to I/F Panel. While checking Fiber Optic Cable routing, push RF System Support Module into cabinet.
4. Connect fiber optic cable Run 708 to Transmit (TX).
3. Extend forward RF System Support Module into servicing position.
2. Attach Run 708 to I/F TX*.
   * Instructions provided with connectors.
1. Attach Run 229 to J3

- C2 - SYSTEM SUPPORT MODULE CABLE CONNECTIONS



CAUTION

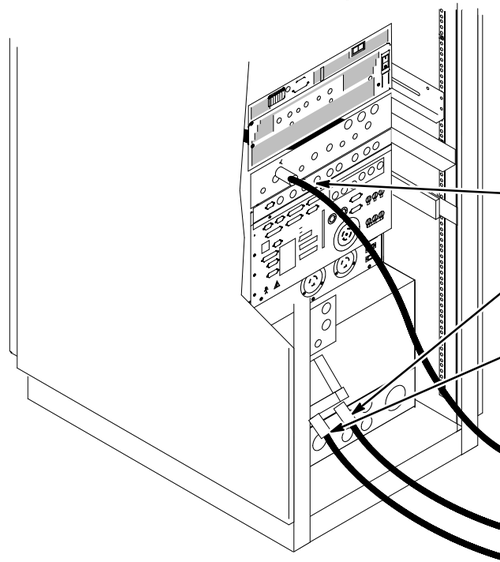
All cables connected to System Support Module Interface Panel must have a service loop of approximately 2 feet (610mm) to allow enough slack for serviceability when Module is moved completely forward.

1. Connect cables to System Support Module.

Note:
If needed, refer to Overview: Section 2 - System Cables, for Run descriptions and designator information located at end of each cable.

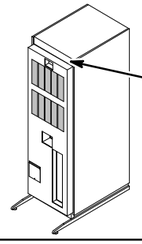
2. Dress and secure cables connected to System Support Module. Verify sufficient slack by moving Module completely forward and back again. Adjust as necessary.

- C3 - CONNECT RUNS 887, 888 and 935 TO RF INTERFACE (RFI) MODULE



1. Connect extension cable Run 745 (46- 287668G5) to J4 Body Output on RFI Module.
2. Connect extension cable Run 933 (46- 287688G8) to N. O. on the R/L Switch.
3. Connect extension cable Run 932 (46- 287688G7) to N. C. on the R/L Switch.
4. Connect Run 935 to Run 745.
5. Connect Run 888 to Run 933.
6. Connect Run 887 to Run 932.

- C4 - ATTACH INSITE CABINET MAGNET



1. Attach all front and rear covers.
2. From the OpenSpeed InSite Kit (46- 301708G5), locate the “Power (GRFD)” cabinet magnet (46- 320095P15). Attach to front of cabinet as shown.