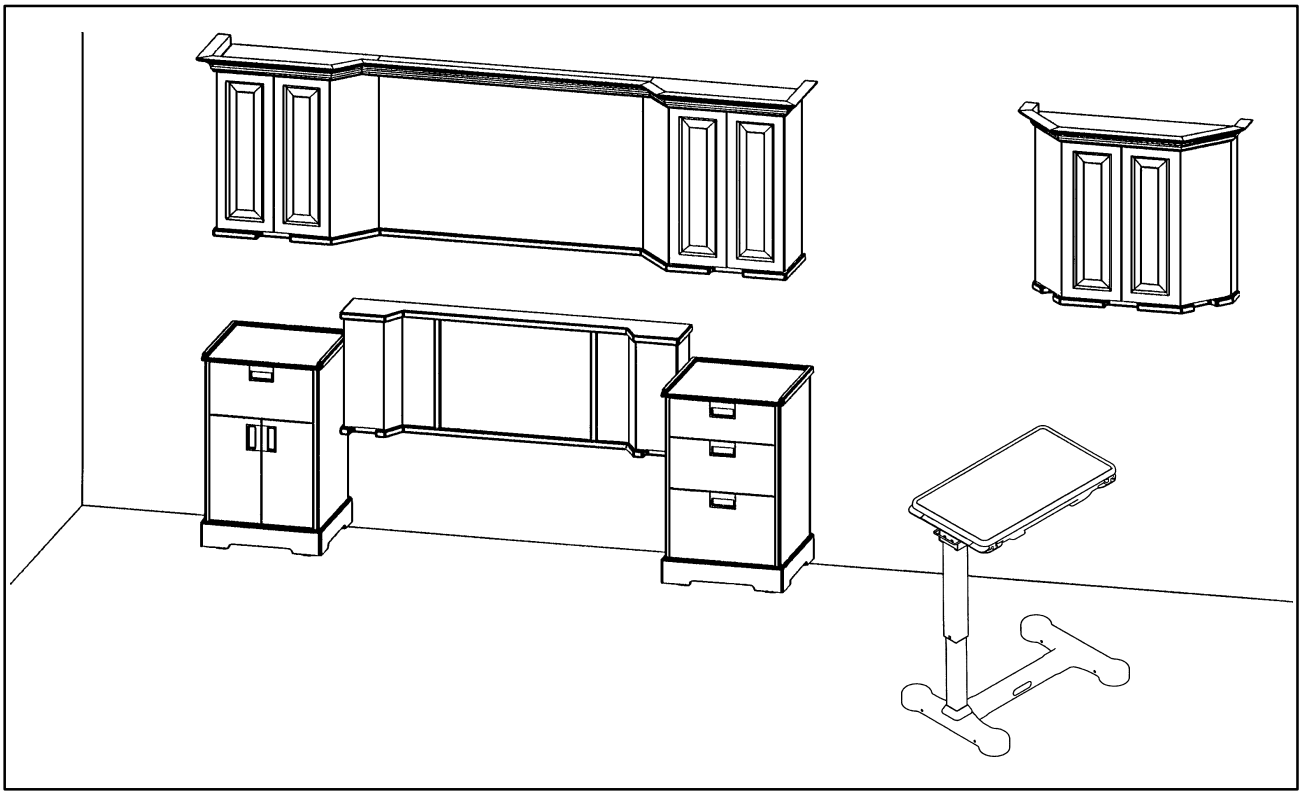
stryker®
Medical



Omni™ Furniture Series

INSTALLATION/MAINTENANCE MANUAL

For Parts or Technical Assistance
1–800–327–0770

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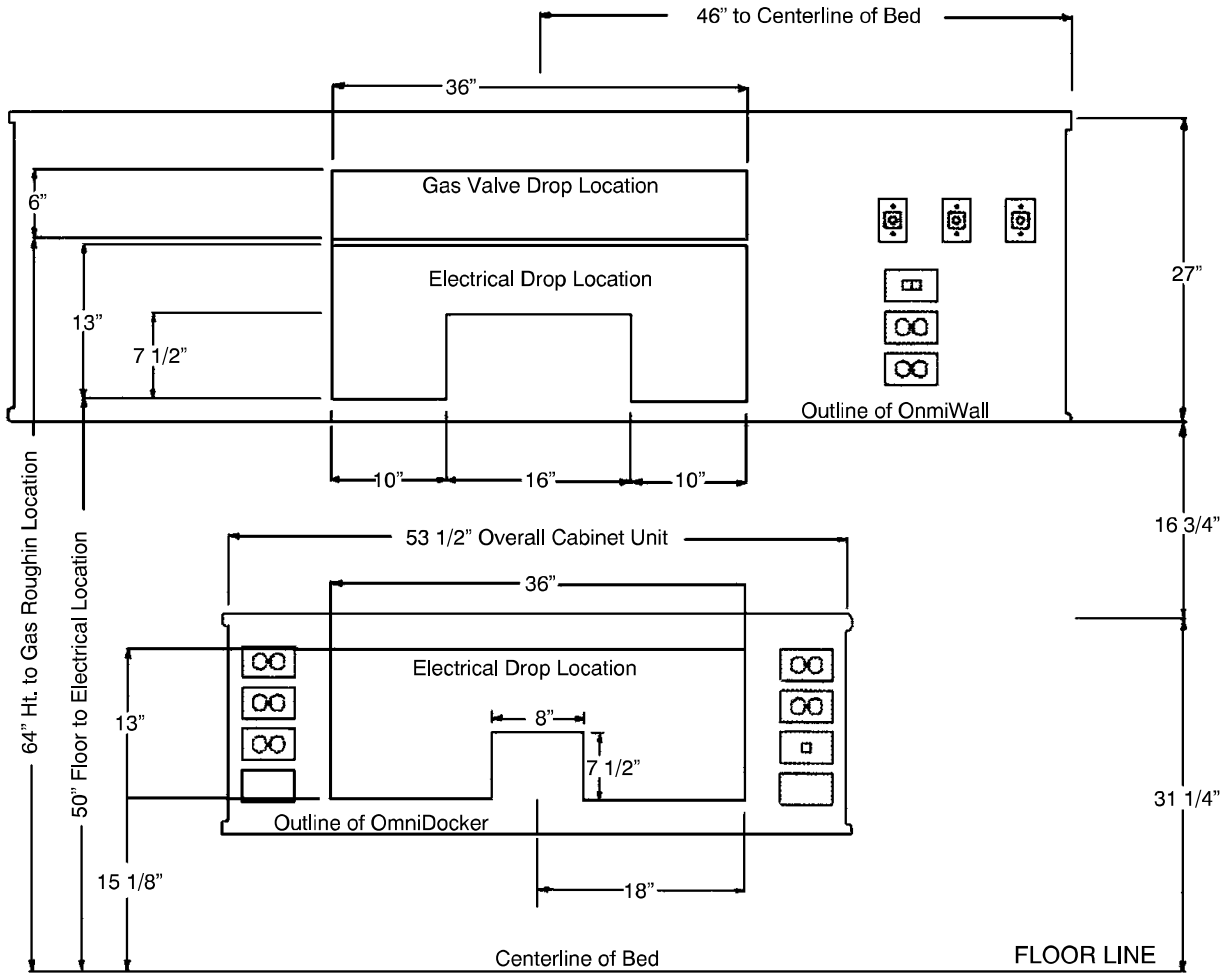
OMNIWALL ™ /OMNIDOCKER ™ GAS AND ELECTRICAL ROUGHIN LOCATIONS



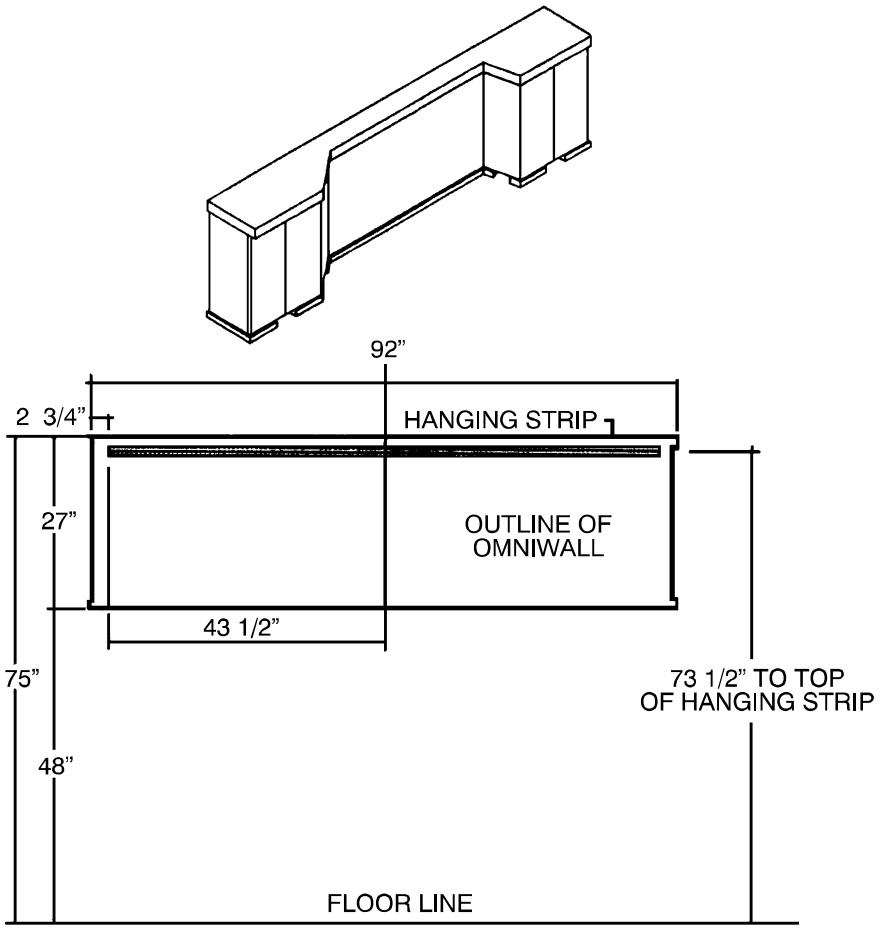
GAS AND ELECTRICAL ROUGHIN LOCATIONS

NOTE
Gas and electrical outlets shown for reference only.
See configuration drawing(s) for correct configuration(s).

ROUGH–IN CONTRACTOR TO SUPPLY THE FOLLOWING:

1. A single gang opening for each branch circuit. Openings to be located in electrical drop location. Omni Wall ™ connects to hospital circuit via flexible metal conduit with a single gang cover plate attached. Contractor to supply ring/collar boxes in specific circumstances for OmniWall ™ /OmniDocker ™ interconnect to hospital circuit.
2. Gas lines stubbed through drywall in gas drop location.

OMNIWALL™ INSTALLATION INSTRUCTIONS

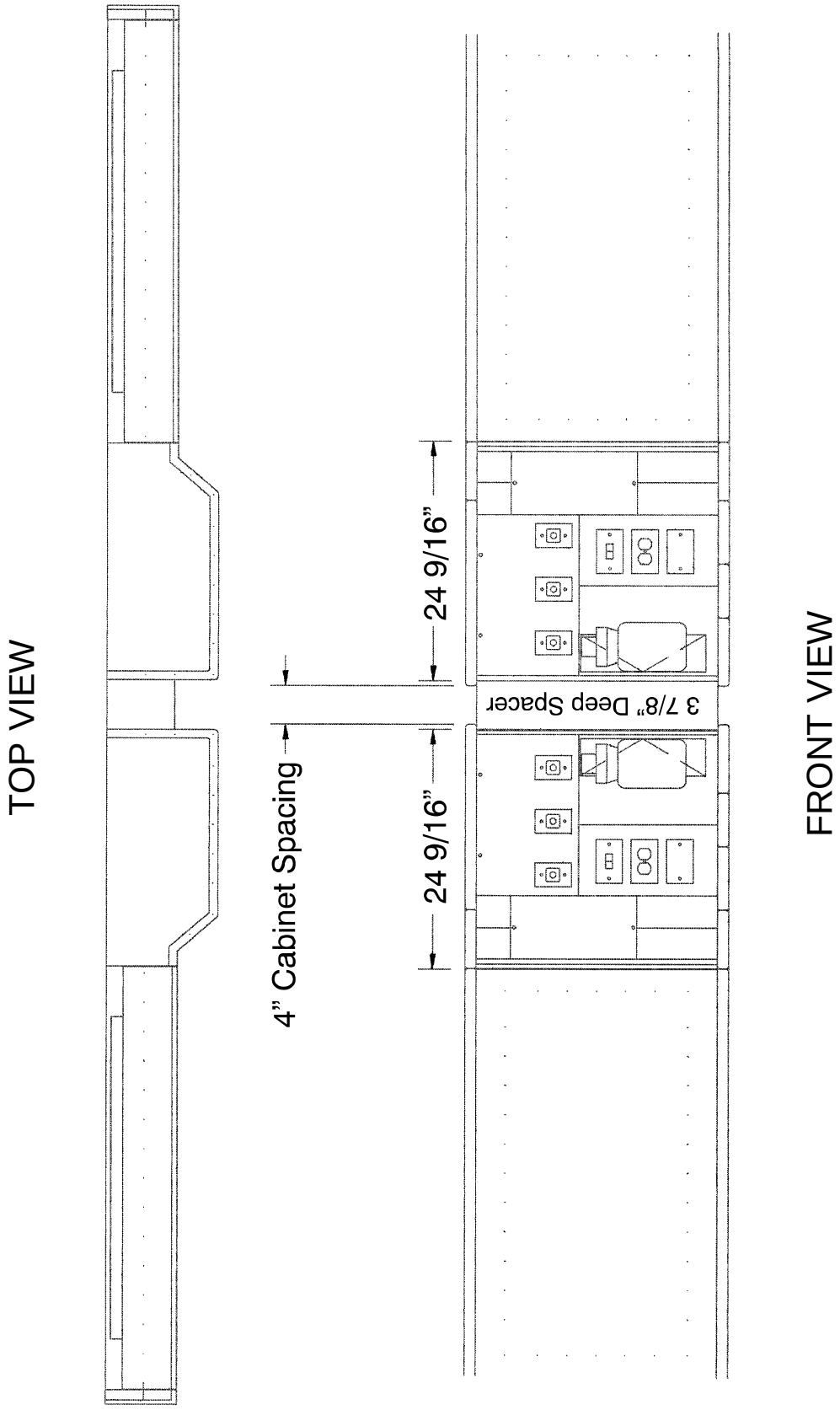


1. Locate the proposed bed center line and mark it on the wall at headwall height.
2. Measure out from the center line and mark the wall to locate one end of the hanging strip (ref. above).
3. Measure up from the floor and mark the wall to locate the top of the hanging strip (ref. above).
4. Locate and mark the wall studs (minimum of four). Using the pan head screws provided, align and fasten the hanging strip to the wall, matching the marks made for the studs.
5. To remove the access panel and expose the electrical location and gas hookup, detach the inside angled door on the right side of the cabinet (pull forward on the back of the hinge bracket), remove the two screws, slide the panel to the right, and lift it out.
6. Hang the OmniWall™ on the hanging strip and check it for proper location.
7. Before securing the units permanently to the wall, slide both units together on the hanging track to secure the prefab spacer box between them.
8. Locate two studs behind the access panel and, using the pan head screws provided, install the two top brackets on the bottom channel.
9. Refer to the wiring diagram for the internal wiring configuration. Make connections to the electrical and communication services in accordance with applicable national and local electrical codes. Pull in the telephone and nurse call wiring. Field terminations shall be made within the unit only.
10. Reinstall the center access panel and fasten it with two set screws.

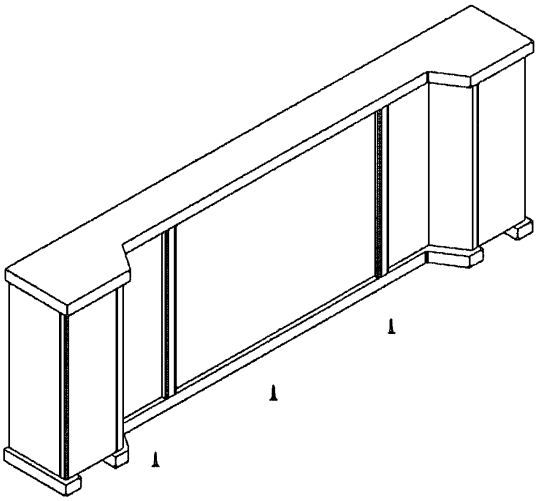
NOTE

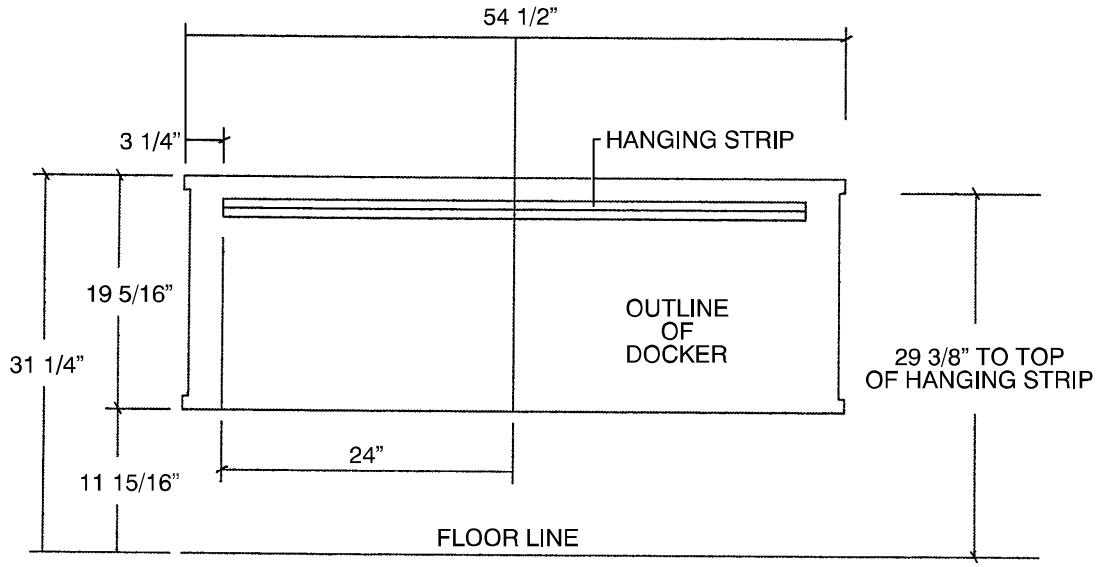
If installing semi–private units, refer to page 4 for proper dimensions.

OMNIWALL™ SEMI–PRIVATE UNIT INSTALLATION INSTRUCTIONS



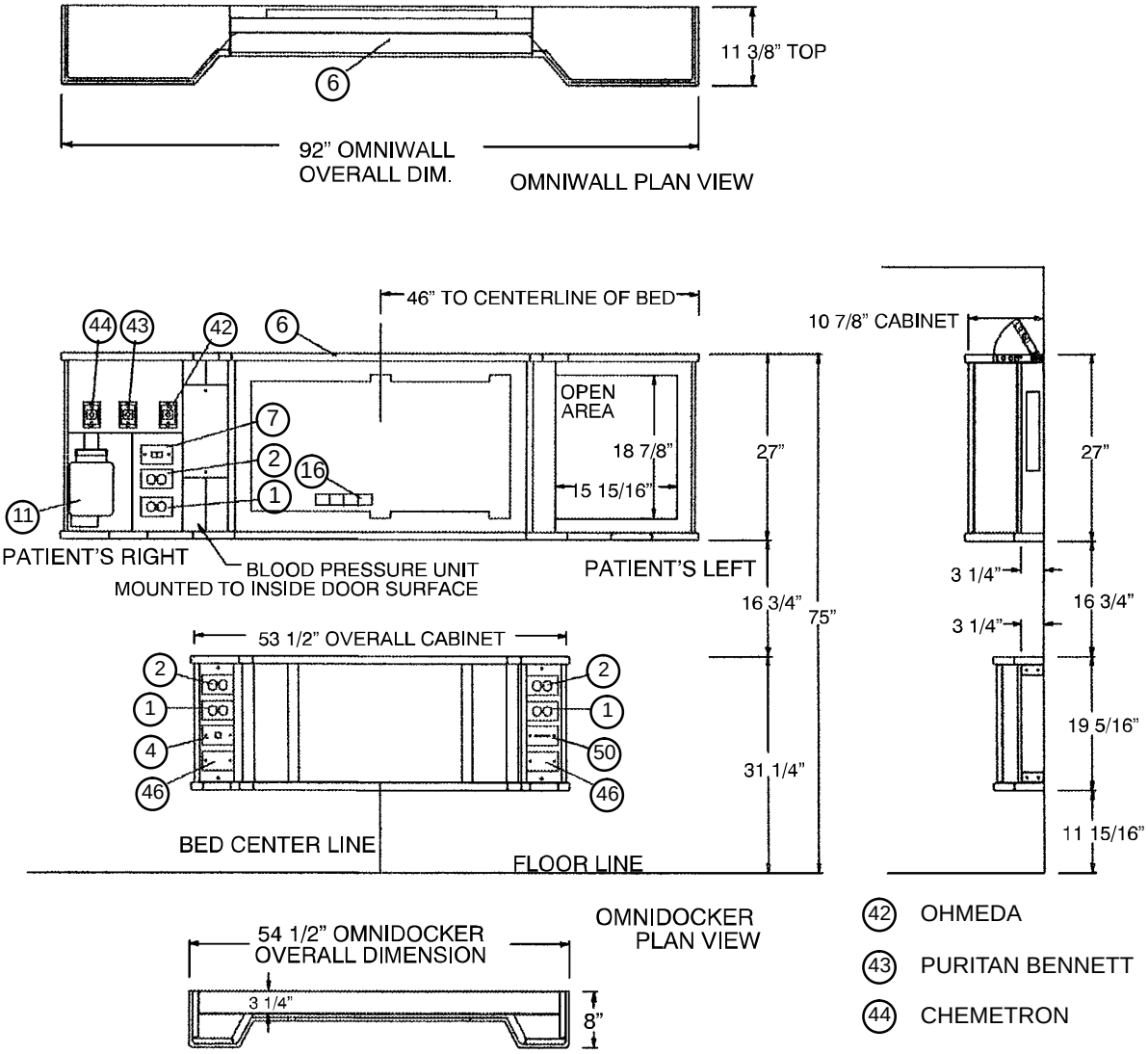
OMNIDOCKER™ INSTALLATION INSTRUCTIONS





1. Locate the proposed bed center line and mark it on the wall at docker height.
2. Measure out from the center line and mark the wall to locate one end of the hanging strip. (ref. above).
3. Measure up from the floor and mark the wall to locate the top of the hanging strip (ref. above). Using the hanger end and top marks as guides, mark a straight, horizontal line to locate the top of the hanger.
4. Locate and mark wall studs (minimum of three). Using the pan head screws provided, align and fasten the hanging strip to the wall, matching the marks for the studs.
5. Hang the OmniDocker™ on the hanging strip and check for proper location.
6. To remove the access panel, remove the three screws from the bottom. Using the bumper strips for pulls, tip out the bottom of the panel and slide it downward.
7. Locate the two studs behind the access panel and, using the pan head screws provided, install the two top brackets on the bottom channel.
8. Refer to the wiring diagram for the internal wiring configuration. Make connections to the electrical and communication services in accordance with applicable national and local electrical codes. Pull in the telephone and nurse call wiring. Field termination shall be made within the unit only.
9. Reinstall the center access panel and fasten with the three set screws.

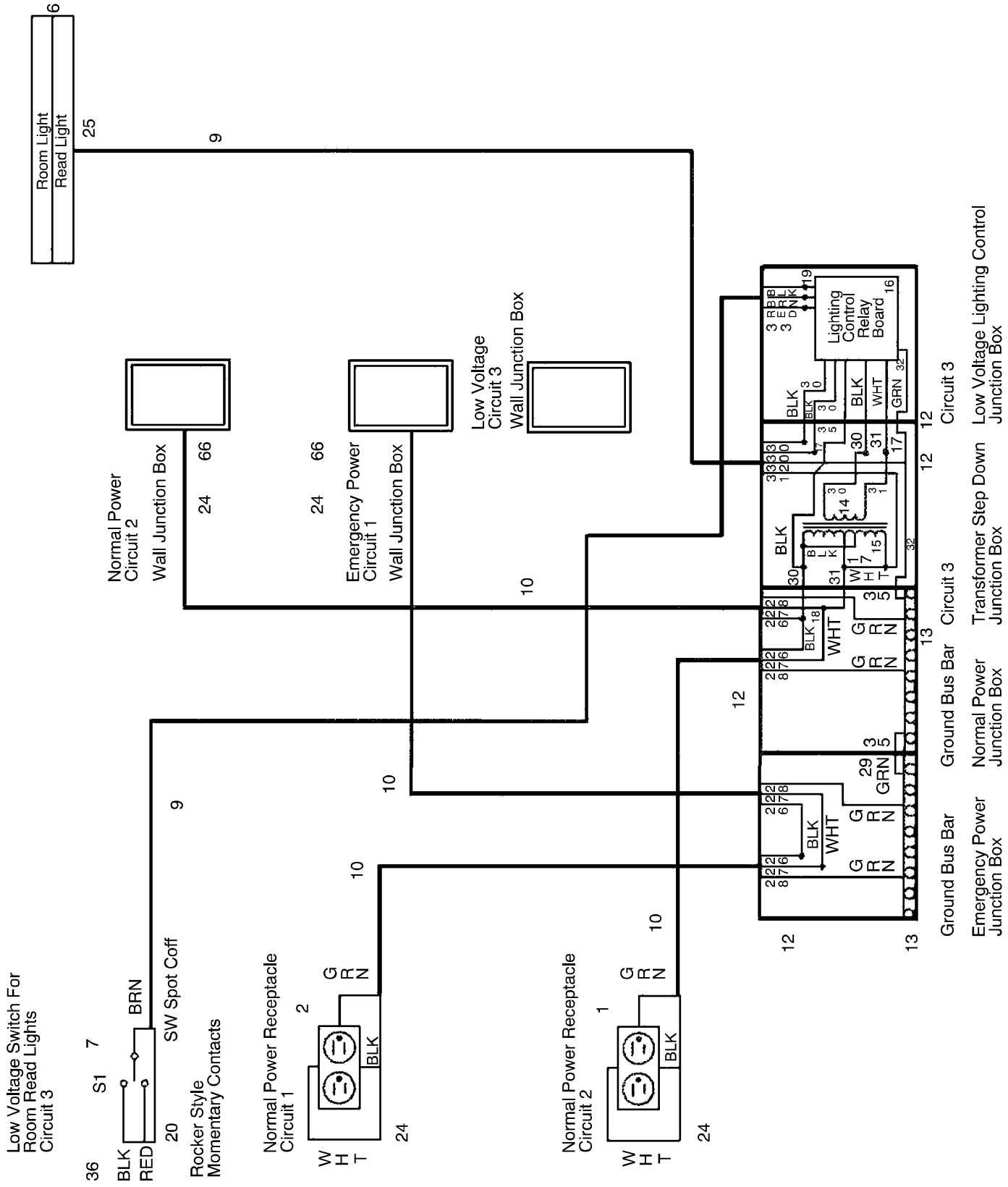
OMNIWALL ™ /OMNIDOCKER ™ CONFIGURATION DRAWING



1	NORMAL POWER RECEPTACLE	12	NURSE CALL
2	EMERGENCY POWER RECEPTACLE	16	LOW VOLTAGE RELAY BOARD
4	DATA/TELEPHONE JACK	42	OXYGEN OUTLET
6	LIGHT FIXTURE	43	AIR OUTLET
7	LIGHT SWITCH	44	VACUUM OUTLET
11	VACUUM BOTTLE HANGER	46	BLANK RECEPTACLE PLATE
		50	BED INTERFACE RECEPTACLE

Sample only. Individual units will vary based on OmniWall ™ /OmniDocker ™ configuration.

OMNIWALL™ ELECTRICAL SCHEMATIC



Sample only. Individual units will vary based on OmniWall™/OmniDocker™ configuration.

OMNIWALL™ ELECTRICAL SCHEMATIC

FIND NUMBER

1. Normal Power Receptacle
2. Emergency Power Receptacle
6. Light Fixture
7. Light Switch Control
9. Flexible Metal Conduit – 3/8”
10. Flexible Metal Conduit – 1/2”
12. Conduit Junction Box – 4”x4”x2 1/8”
13. Ground Bus Bar
14. Transformer Step Down
15. Wire Attach Crimps
16. Lighting Control Relay Board, Spade Terminals
17. Wire Nuts, Small
18. Wire Nuts, Large
19. Wire Attach Crimps
20. Conduit Connector, 3/8”, Straight
24. Conduit Connector, 1/2”, 90°
25. Conduit Connector, 3/8”, 45°
26. Wire #12 AWG, Black
27. Wire #12 AWG, White
28. Wire #12 AWG, Green
29. Wire #10 AWG, Green
30. Wire #18 AWG, Black
31. Wire #18 AWG, White
32. Wire #18 AWG, Green
33. Multi–Conductor Cable, #22 AWG
35. Conduit Nipple, 1/2”
36. Wire Attach Crimps, Spade Terminals
66. Single Gang, Handy Box Cover Plate, 1/2” Knockout

CIRCUITS

CIRCUIT 1 – Emergency Power Line Voltage

CIRCUIT 2 – Normal Power Line Voltage

CIRCUIT 3 – Low Voltage Applications
- A. Lighting control relay board
- B. Lighting control switch

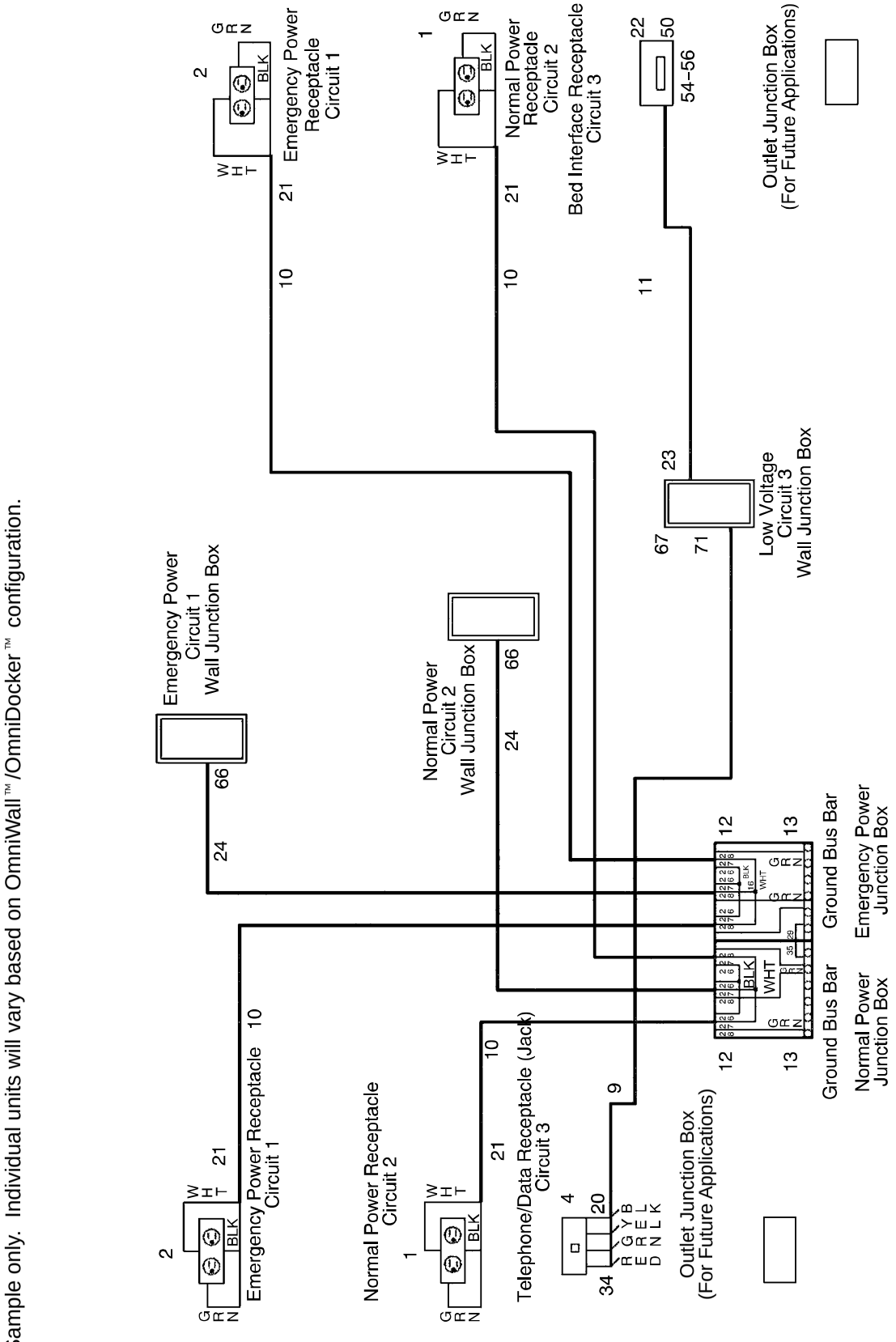
WIRING NOTES

1. All power supply receptacles will be wired using #12 AWG type AWM copper wire, stranded. Phase wire black, neutral wire white, and ground wire green. Wire voltage rating, 300 volts. Wire temperature rating, 105° C.
   A. Power lines for light fixture, transformer, and relay control board will be 18 AWG type AWM, stranded copper wire. Wire voltage rating 300 volts. Wire temperature rating, 105° C. Phase wires black, neutral wire white, ground wire green.
2. All low voltage and communication wires will be multi–conductor cable type UL 2464. Individual conductor wire will be #22 AWG stranded copper wire. Cable voltage rating, 300 volts. Cable temperature rating, 80° C. Colors and connections specified per application.
3. All wires will be routed through flexible metal conduit and metal junction boxes (outlet boxes).
   A. All power lines will be routed through 1/2” flexible metal conduit.
   B. Nurse call and communication lines will be routed through 3/4” flexible metal conduit.
   C. Low voltage switch cables will be routed through 3/8” flexible metal conduit.
4. The jumper wire connecting the emergency power circuit ground bus bar and the normal power circuit ground bus bar will be #10 AWG type AWM copper wire, green insulation. Wire voltage rating, 300 volts. Wire temperature rating, 105° C.
   A. All ground bus bars will be located in their respective junction boxes.
5. Equipment bonding and device bonding will be in accordance with NFPA (NEC) 1993.

MOUNTING NOTES

Step down transformer and lighting control relay board are mounted to the inside surface of their respective junction box covers.
A protective blanket should be used to protect conduit and wires during brazing (plumbing) operation.

OMNIDOCKER™ ELECTRICAL SCHEMATIC



Sample only. Individual units will vary based on OmniWall™ /OmniDocker™ configuration.

OMNIDOCKER™ ELECTRICAL SCHEMATIC

FIND NUMBER

1. Normal Power Receptacle
2. Emergency Power Receptacle
9. Flexible Metal Conduit – 3/8”
10. Flexible Metal Conduit – 1/2”
11. Flexible Metal Conduit – 3/4”
12. Conduit Junction Box – 4”x4”x2 1/8”
13. Ground Bus Bar
18. Wire Nuts, Large
20. Conduit Connector, 3/8”, Straight
21. Conduit Connector, 1/2”, Straight
22. Conduit Connector, 3/4”, Straight
23. Conduit Connector, 3/8”, 90°
24. Conduit Connector, 1/2”, 90°
25. Conduit Connector, 3/8”, 45°
26. Wire #12 AWG, Black
27. Wire #12 AWG, White
28. Wire #12 AWG, Green
29. Wire #10 AWG, Green
34. Telephone Data Cable, #22 AWG
35. Conduit Nipple, 1/2”
50. Bed Interface Receptacle
51. Cover Plate, Sidecom Connector
54. Multi–Connector Cable, Lighting Control
55. Multi–Connector Cable, Nurse Call
56. Multi–Connector Cable, Nurse Call/ Communication
66. Single Gang, Handy Box Cover Plate, 1/2” Knockout
67. Sin. Gang, Handy Box Cvr. Plate, 1/2, 3/4” Knockouts
71. Conduit Connector, 3/4”, 90°

CIRCUITS

CIRCUIT 1 – Emergency Power Line Voltage

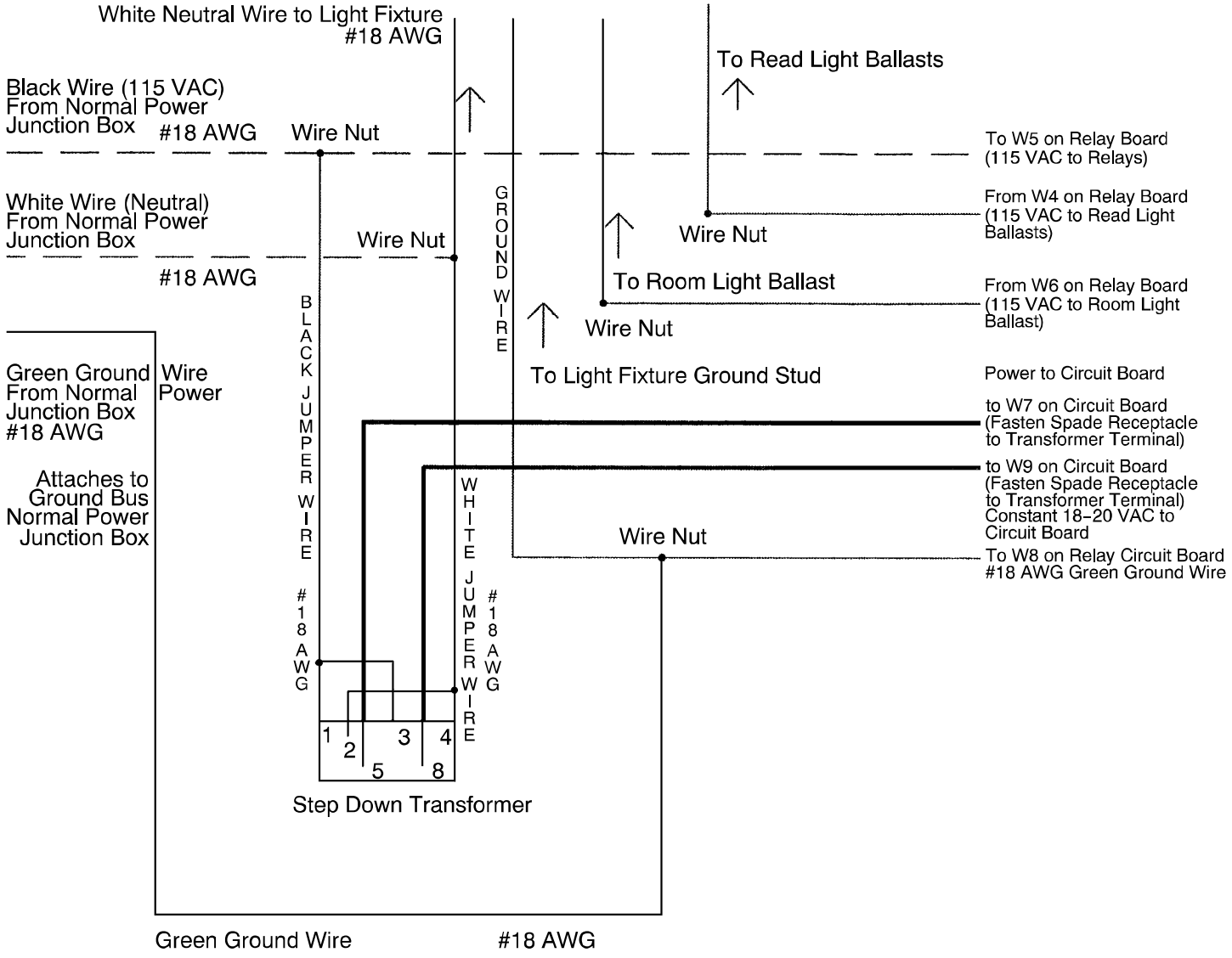
CIRCUIT 2 – Normal Power Line Voltage

CIRCUIT 3 – Low Voltage Applications
- A. Telephone/Data
- B. Bed Interface
  - 1.) Lighting Control
  - 2.) Nurse Call/Communications

WIRING NOTES

1. All power supply receptacles will be wired using #12 AWG type AWM copper wire, stranded. Phase wire black, neutral wire white, and ground wire green. Wire voltage rating, 300 volts. Wire temperature rating, 105° C.
2. All low voltage, communication and nurse call wires will be multi–conductor cable type UL 2464. Individual conductor wire will be #22 AWG stranded copper wire. Colors and connections specified per application.
   A. Telephone cable will be 4 conductor type UL 2464. Individual conductors will be 22 AWG, solid copper wire.
3. All wires will be routed through flexible metal conduit and metal junction boxes (outlet boxes).
   A. All power lines will be routed through 1/2” flexible metal conduit.
   B. Telephone/data cable will be routed through 3/8” flexible metal conduit.
   C. Nurse call and communication lines will be routed through 3/4” flexible metal conduit.
4. The jumper wire connecting the emergency power circuit ground bus bar and the normal power circuit ground bus bar will be #10 AWG type AWM copper wire, green insulation. All ground bus bars will be located in their respective junction boxes.
5. Equipment bonding and device bonding will be in accordance with NFPA (NEC) 1993.

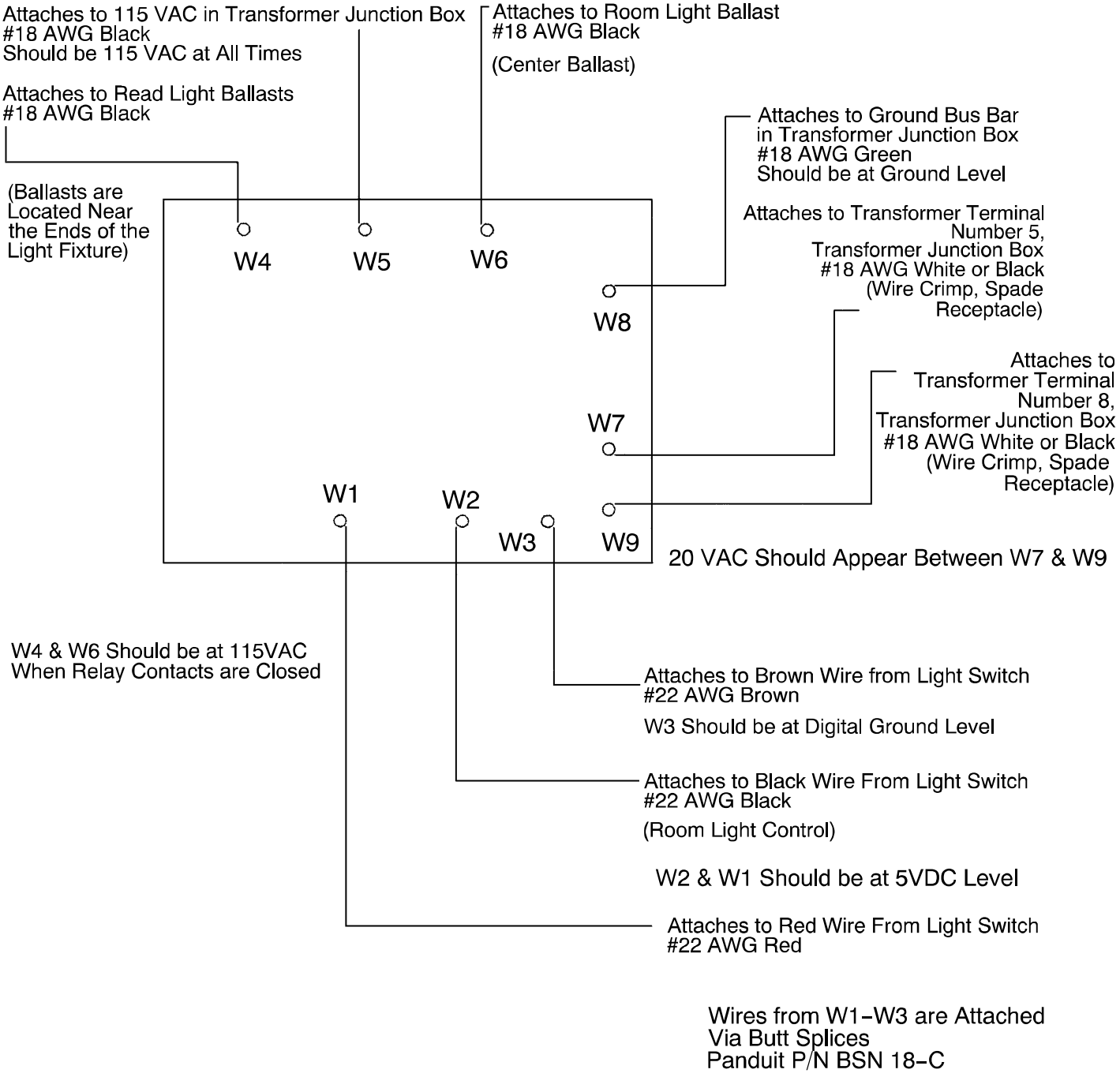
OMNIWALL™ TRANSFORMER JUNCTION BOX ELECTRICAL SCHEMATIC



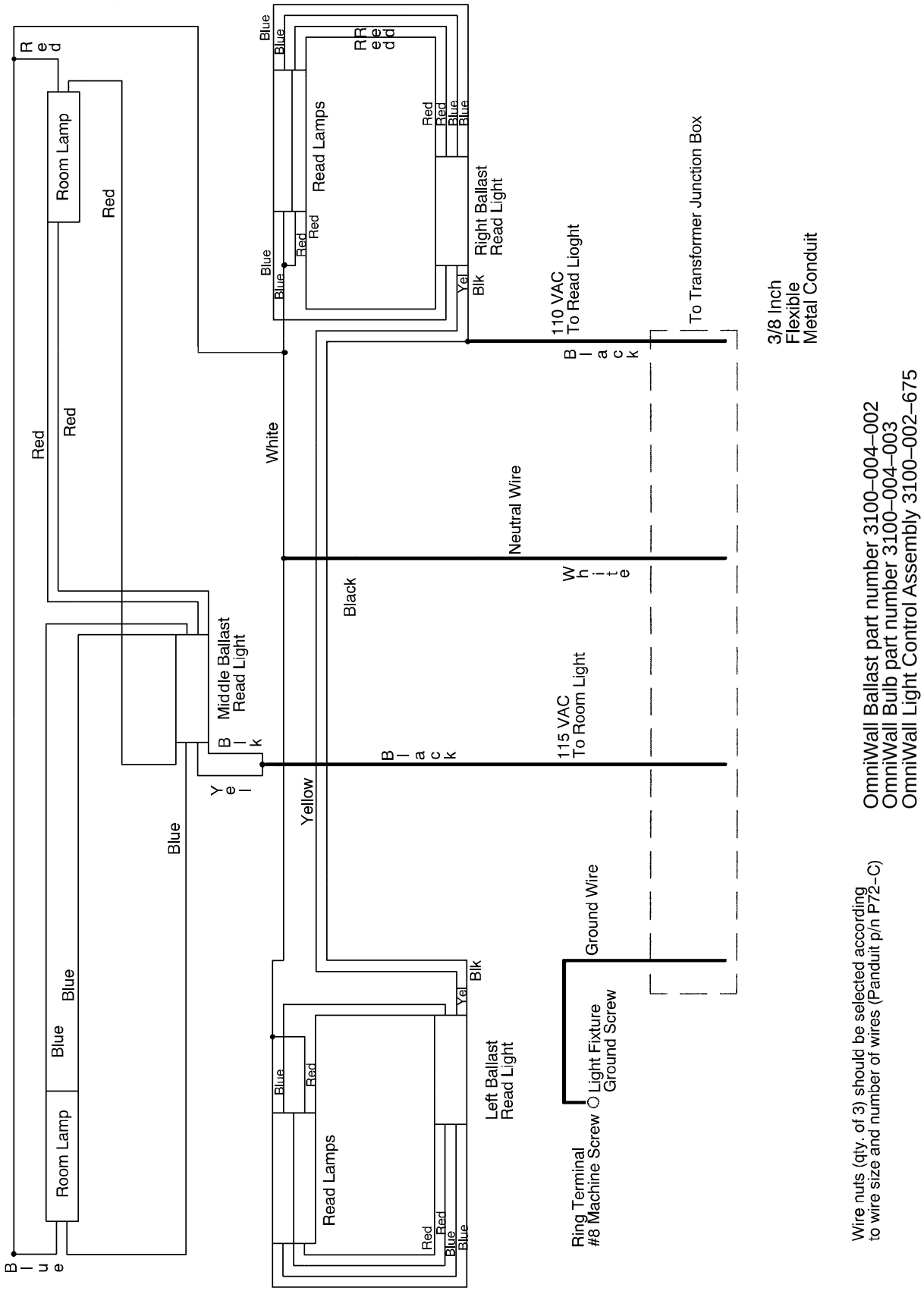
NOTES

1. Attach the jumper wires to the transformer terminals. Match the number on the spade receptacle to the transformer receptacle.
2. Wire nuts (qty. of 5) should be selected according to wire size and number of wires (Panduit p/n P72–C).
3. All wires shall be #18 AWG, stranded copper.

OMNIWALL™ WIRING DIAGRAM FOR CONNECTING LIGHT FIXTURE CONTROL BOARD



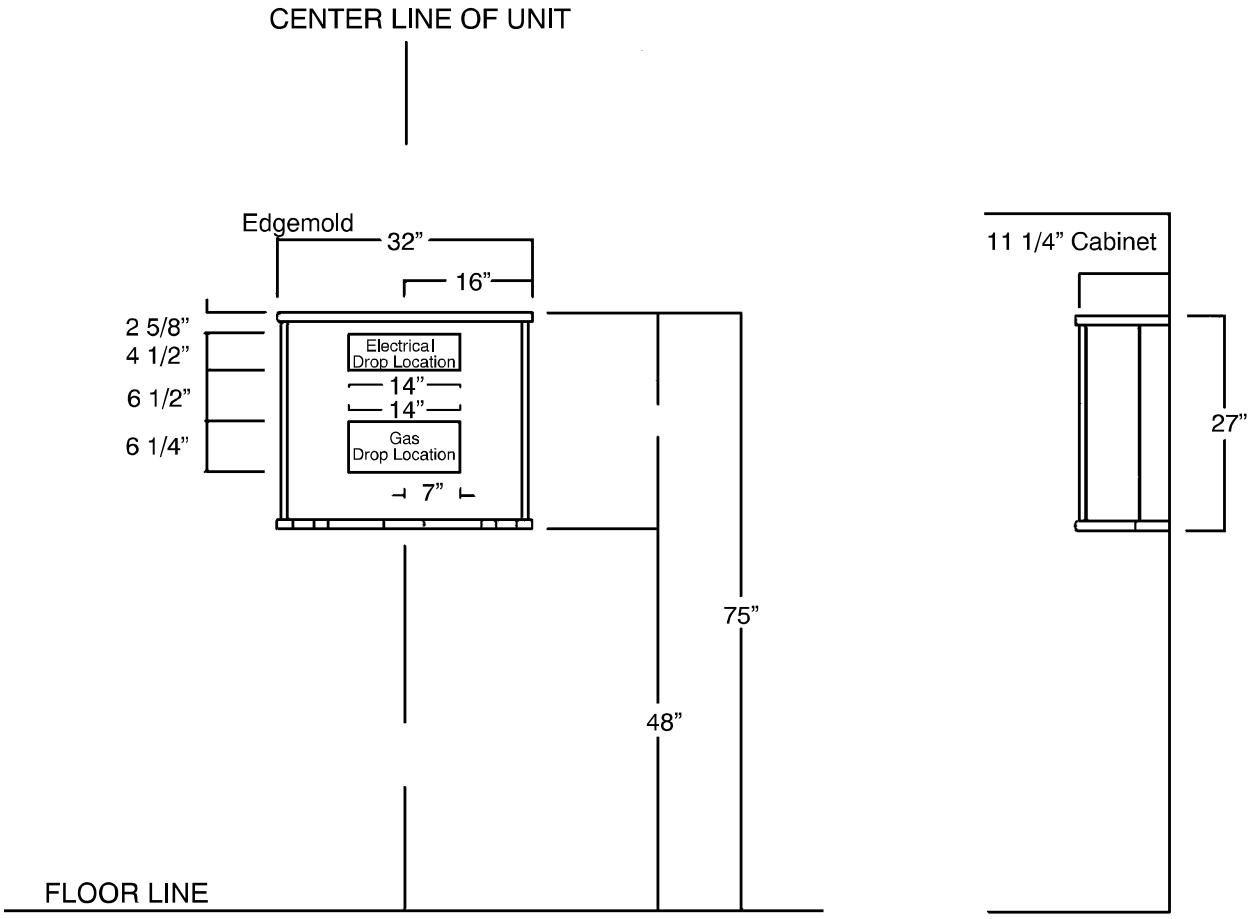
OMNIWALL™ LIGHT FIXTURE WIRING DIAGRAM



Wire nuts (qty. of 3) should be selected according to wire size and number of wires (Panduit p/n P72-C)

OmniWall Ballast part number 3100–004–002
OmniWall Bulb part number 3100–004–003
OmniWall Light Control Assembly 3100–002–675

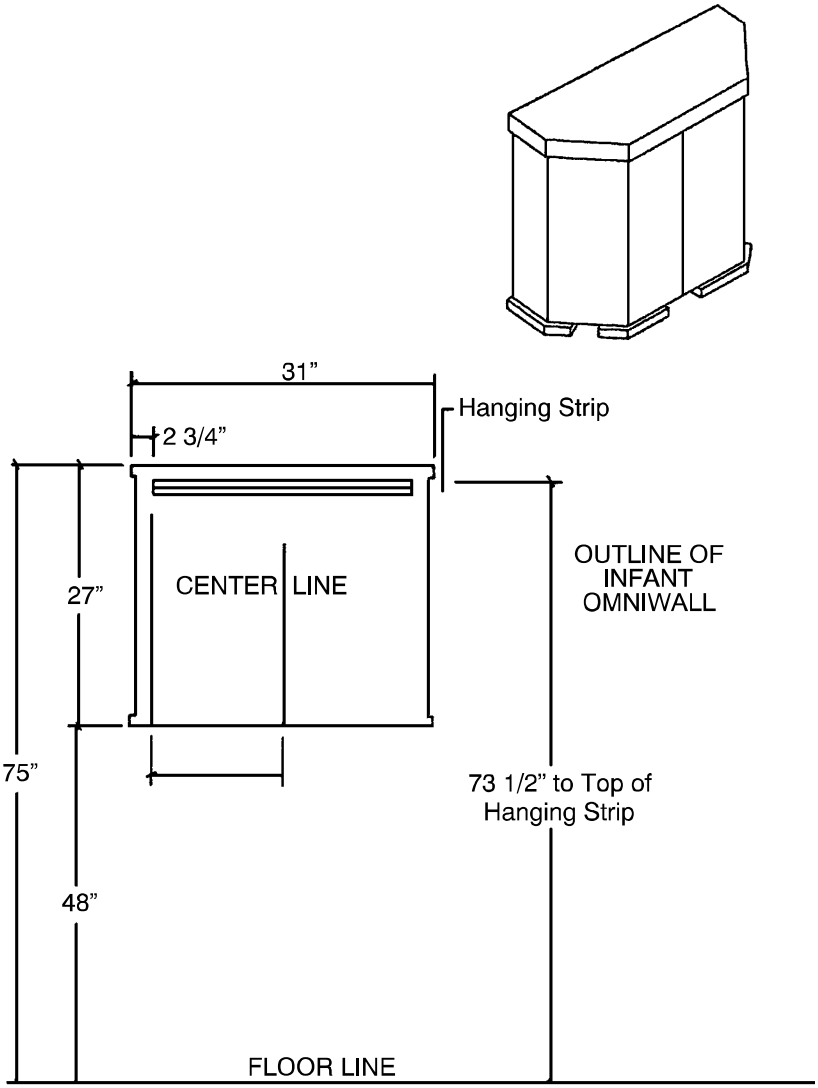
INFANT OMNIWALL™ ROUGH–IN LOCATIONS



ROUGH–IN CONTRACTOR TO SUPPLY THE FOLLOWING:

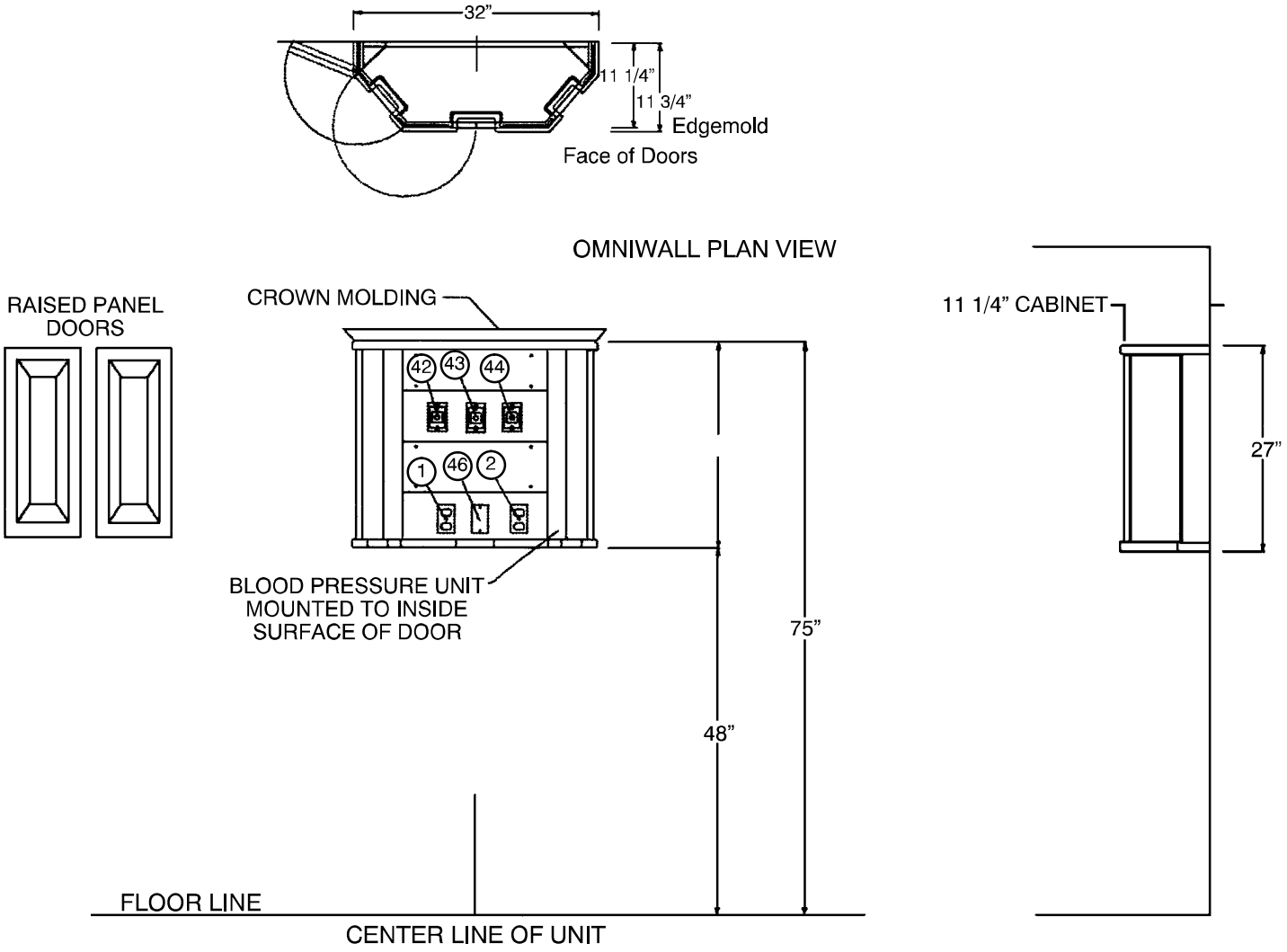
1. A single gang opening for each branch circuit. Openings to be located in electrical drop location. OmniWall™ connects to hospital circuit via flexible metal conduit with a single gang cover plate attached.
2. Gas lines stubbed through drywall in gas drop location.

INFANT OMNIWALL™ INSTALLATION INSTRUCTIONS



1. Locate the proposed bed center line and mark it on the wall at docker height.
2. Measure out from the center line and mark the wall to locate one end of the hanging strip.
3. Measure up from the floor and mark the wall to locate the top of the hanging strip. Using these marks and the hanger end as guides, mark a straight, horizontal line to locate the top of the hanger.
4. Locate and mark wall studs (minimum of two). Using the pan head screws provided, align and fasten the hanging strip to the wall, matching your marks for the studs.
5. Remove the access panels for the electric and gas locations.
6. Hang the OmniWall™ on the hanging strip and check for proper location.
7. Locate two studs behind the back panel and install stop screws through the bottom channel with the pan head screws provided.
8. Refer to the wiring diagram for the internal wiring configuration. Make connections to electrical and communication services in accordance with applicable national and local electrical codes. Pull in the telephone and nurse call wiring. Field termination shall be made within the unit only.
9. Reinstall center access panels and fasten with four set screws.

INFANT OMNIWALL™ CONFIGURATION DRAWING

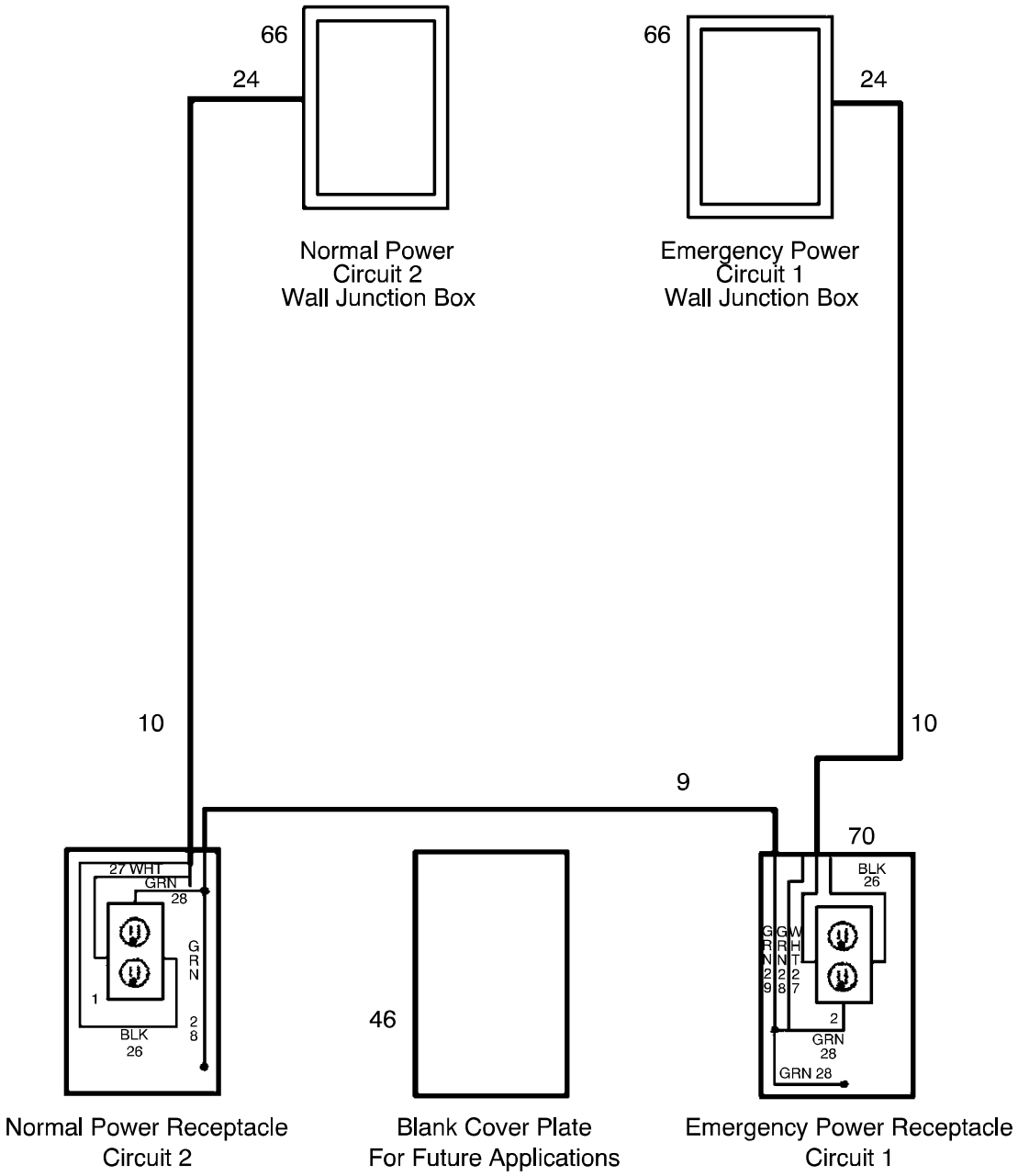


1	NORMAL POWER RECEPTACLE	11	VACUUM BOTTLE HANGER
2	EMERGENCY POWER RECEPTACLE	42	OXYGEN OUTLET
4	DATA/TELEPHONE JACK	43	AIR OUTLET
6	LIGHT FIXTURE (ROOM/READ)	44	VACUUM OUTLET
7	LIGHT SWITCH (LOW VOLTAGE)	46	BLANK RECEPTACLE PLATE
		50	BED INTERFACE RECEPTACLE

NOTE
All gas piping will be cleaned, purged, and capped. Gas piping will be 3/8” O.D. type K copper.

Sample only. Individual units will vary based on OmniWall™/OmniDocker™ configuration.

INFANT OMNIWALL™ ELECTRICAL SCHEMATIC



Sample only. Individual units will vary based on OmniWall™/OmniDocker™ configuration.

INFANT OMNIWALL™ ELECTRICAL SCHEMATIC

FIND NUMBER

1. Normal Power Receptacle
2. Emergency Power Receptacle
4. Telephone Data Receptacle
9. Flexible Metal Conduit – 3/8”
10. Flexible Metal Conduit – 1/2”
11. Flexible Metal Conduit – 3/4”
13. Ground Bus Bar
18. Wire Nuts, Large
24. Conduit Connector 1/2”, 90°
26. Wire #12 AWG, Black
27. Wire #12 AWG, White
28. Wire #12 AWG, Green
29. Wire #10 AWG, Green
46. Single Gang, Handy Box Cover Plate, Blank
66. Single Gang, Handy Box Cover Plate, 1/2” Knockout
70. Switch Outlet Box

CIRCUITS

CIRCUIT 1 – Emergency Power Line Voltage

CIRCUIT 2 – Normal Power Line Voltage

CIRCUIT 3 – Low Voltage Applications
- A. Lighting Control Relay Board
- B. Bed Interface
- C. Nurse Call/Communication

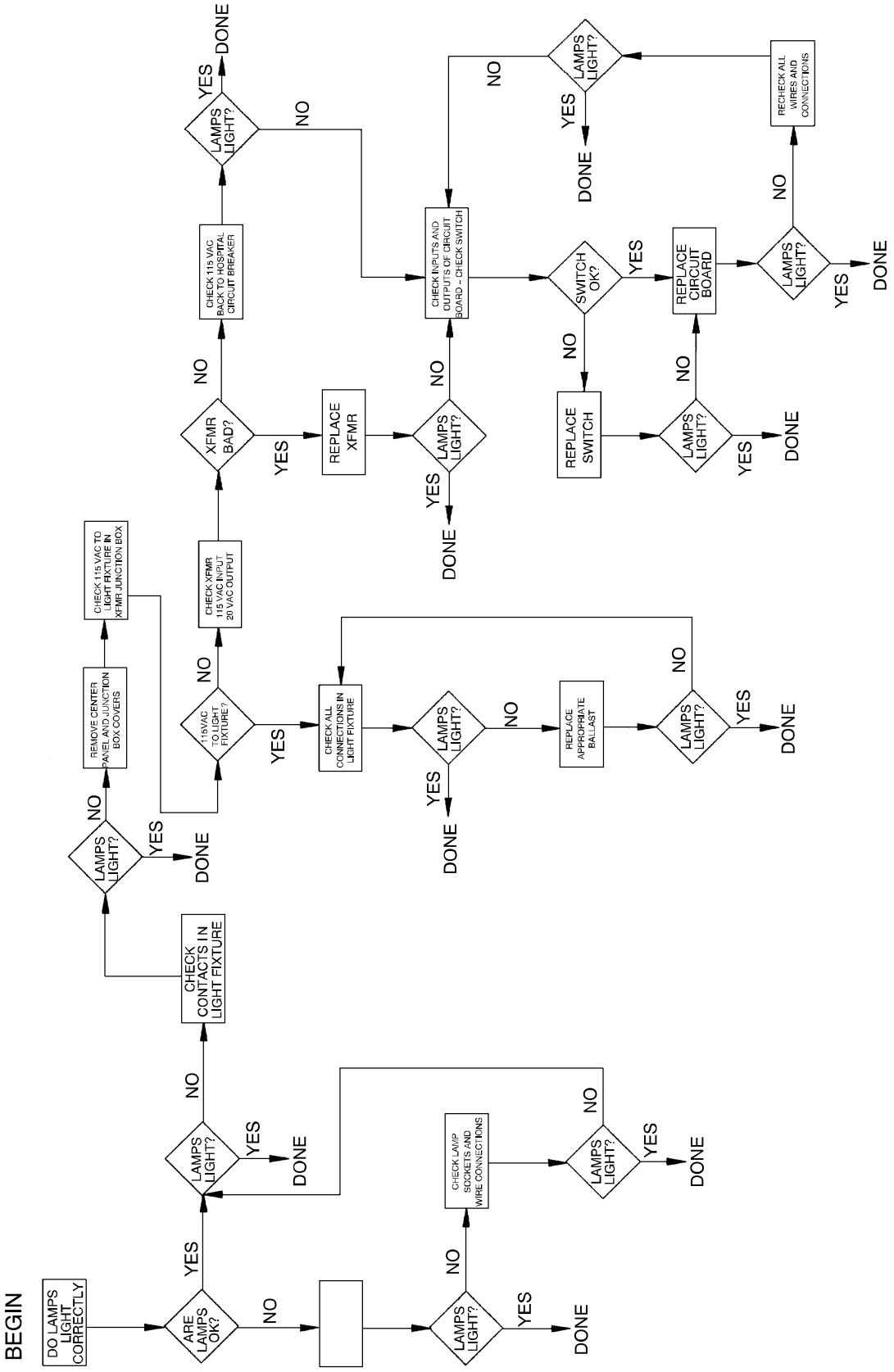
NOTES

1. All gas piping will be cleaned, purged, and capped. Gas piping will be 3/8” O.D. type K copper.
2. Configuration and options per customer request.
3. A protective blanket should be used to protect conduit wires during brazing (plumbing) operation.

WIRING NOTES

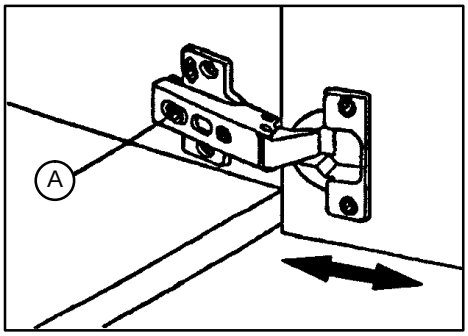
1. All power supply receptacles will be wired using #12 AWG type AWM copper wire, stranded. Phase wire black, neutral wire white, and ground wire green. Wire voltage rating, 300 volts. Wire temperature rating, 105° C.
   - A. Power lines for light fixture, transformer, and relay control board will be #18 AWG type AWM stranded copper wire. Wire voltage rating 300 volts. Wire temperature rating, 105° C. Phase wire black, neutral wire white, and ground wire green.
   - B. All receptacles shall be connected to circuit via pigtail connections. Ground wires shall be pigtail connected to switch outlet box ground screw.
2. All low voltage and communication wires will be multi–conductor cable type UL 2464. Individual conductor wire will be #22 AWG stranded copper wire. Cable voltage rating, 300 volts. Cable temperature rating 80° C. Colors and connections specified per application.
3. All wires will be routed through flexible metal conduit and metal junction boxes (outlet boxes).
   - A. All power lines will be routed through 1/2” flexible metal conduit.
   - B. Nurse call and communication lines will be routed through 3/4” flexible metal conduit.
   - C. Low voltage switch cables will be routed through 3/8” flexible metal conduit.
4. The jumper wire connecting the emergency power circuit ground bus bar and the normal power circuit ground bus bar will be #10 AWG type AWM copper wire, green insulation. Wire voltage rating 300 volts. Wire temperature rating 105° C.
   - A. All ground bus bars will be located in their respective junction boxes.
5. Equipment bonding and device bonding will be in accordance with NFPA (NEC) 1993.

OMNIWALL™ LIGHT FIXTURE CONTROL TROUBLESHOOTING FLOW CHART



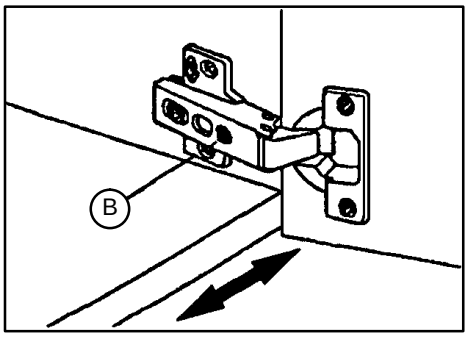
Door Hinge Adjustment

Required Tool: Phillips Screwdriver



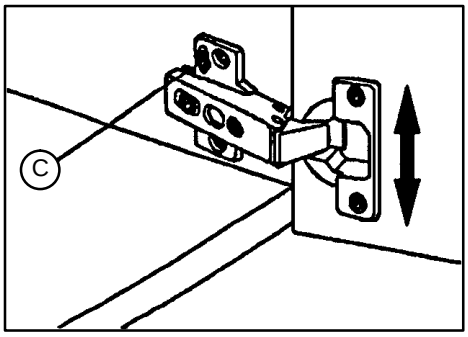
DEPTH ADJUSTMENT

To adjust the depth of the door, loosen screw (A), move the door to the desired position, and tighten screw (A).



SIDE ADJUSTMENT

To adjust the side positioning of the door, loosen screw (B), move the door to the desired position, and tighten screw (B).



HEIGHT ADJUSTMENT

To adjust the height of the door, loosen screw (C), move the door to the desired position, and tighten screw (C).

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