SECTION 10 25 13

HEADWALLS, HEADBOARDS AND BED LOCATORS

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\*\* NOTE TO SPECIFIER \*\* Hill-Rom Architectural Products; headwalls, headboards and bed locators.
This section is based on the products of Hill-Rom Architectural Products; health care industry products and solutions:
1069 State Route 46 E.
Batesville, IN 47006
Toll-Free: 812-934-7777
Fax: 812-934-8189
Email: \_\_\_\_\_\_
www.hill-rom.com/usa
click Herefor additional information.
Hill-Rom is a leading worldwide manufacturer and provider of medical technologies and related services for the health care industry, including patient support systems, safe mobility and handling solutions, non-invasive therapeutic products for a variety of acute and chronic medical conditions, medical equipment rentals, surgical products and information technology solutions. Hill-Rom's comprehensive product and service offerings are used by health care providers across the health care continuum and around the world in hospitals, extended care facilities and home care settings to enhance the safety and quality of patient care.
Hill-Rom: Enhancing outcomes for patients and their caregivers.

1. GENERAL
	1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete items below not required for the project.

* + 1. Patient room headwalls.
		2. Patient room headboards and bed locators.
	1. RELATED SECTIONS
		1. Section - .
		2. Section 11 73 00 - Patient Care Equipment.
		3. Section - .
		4. Section - .
	2. REFERENCES

\*\* NOTE TO SPECIFIER \*\* Delete references from the list below that are not actually required by the text of the edited section.

* + 1. American Society of Mechanical Engineers: ASME B16.22.
		2. ASTM International (ASTM):
			1. ASTM E90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
			2. ASTM E413 - Classification for Rating Sound Insulation.
		3. Compressed Gas Association (CGA):
			1. CGA-G-4.1 - Cleaning Equipment for Oxygen Service.
			2. CGA V-5 - Diameter Index Safety System (Non-interchangeable Low Pressure Connections for Medical Gas Applications).
		4. National Fire Protection Association (NFPA):
			1. NFPA 70 - National electric Code.
			2. NFPA 99 - Healthcare Facilities Code.
		5. National Voluntary Laboratory Accreditation Program (NVLAP):
			1. NVLAP 08-P06 - Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions.
		6. Underwriters Laboratory (UL):
			1. UL 514A - Metallic Outlet Boxes.
			2. UL 1047 - Standard for Isolated Power Systems Equipment.
	1. SUBMITTALS
		1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
		2. Product Data: Manufacturer's data sheets on each product to be used, including:
			1. Source quality certificates.
			2. Preparation instructions and recommendations.
			3. Storage and handling requirements and recommendations.
			4. Installation methods.
			5. Maintenance and operations data.
		3. Shop Drawings: Include system components, utility requirements and connections, relationship with adjacent construction. Include required clearances and access for servicing.
			1. Communications wire labeling schedules.
			2. Communications wiring diagrams.
			3. Plans and elevations of telecommunications equipment and structured cabling.
				1. Pathways.
				2. Access points.
				3. Grounding.
				4. MEP systems, including medical gases.
	2. QUALITY ASSURANCE
		1. Regulatory Requirements: Comply with requirements of authorities having jurisdiction and applicable codes at the location of the project.
		2. Manufacturer Qualifications: Minimum 5 years' experience manufacturing similar products.
		3. Installer Qualifications: Minimum 2 years' experience installing similar products.
	3. DELIVERY, STORAGE, AND HANDLING
		1. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
		2. Comply with manufacturer's recommendations. Handle materials to avoid damage.
	4. PROJECT CONDITIONS
		1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.
	5. WARRANTY
		1. Provide manufacturer's standard limited warranty.
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Hill-Rom Architectural Products, which is located at: 1069 State Route 46 E.; Batesville, IN 47006; Toll Free Tel: 812-934-7777; Fax: 812-934-8189; Email: [request info (dixit.gandhi@hill-rom.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Hill-Rom+Architectural+Products&coid=49149&rep=&fax=812-934-8189&message=RE:%20Spec%20Question%20(10253hil):%20%20&mf=); Web: [www.hill-rom.com/usa](http://www.hill-rom.com/usa)

\*\* NOTE TO SPECIFIER \*\* Delete one of the following two paragraphs; coordinate with requirements of Division 1 section on product options and substitutions.

* + 1. Substitutions: Not permitted.
		2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Delete features not required.

* 1. HEADWALL SYSTEMS
		1. Basis of Design: Hill-Rom Architectural Products; Basis Headwall System
			1. Headwall type:

\*\* NOTE TO SPECIFIER \*\* Surgery

* + - * 1. Horizontal.

\*\* NOTE TO SPECIFIER \*\* ICU

* + - * 1. Vertical.
			1. Mounting:
				1. On wall.

\*\* NOTE TO SPECIFIER \*\* Do not install the In-Wall product in positive- or negative-pressure rooms, fire- or smoke-rated walls, and load-bearing walls.

* + - * 1. In wall.
				2. Double-sided.
			1. Dimensions and Quantities: See drawings; plans and elevations.
			2. Configurations:
				1. Single unit.
				2. Double unit.

\*\* NOTE TO SPECIFIER \*\* Delete laminate finish not required.

* + - 1. Laminate Finish: As indicated on Drawings.
			2. Laminate Finish: \_\_\_\_\_\_.
			3. Panel Reveals:
				1. Black.
				2. Silver.
			4. Panel Types: Access, accessory, and service.
			5. Electrical services outlets:

\*\* NOTE TO SPECIFIER \*\* Electrical/Data outlets have separate service panels from gas outlets.

* + - * 1. Normal.
				2. Emergency.
				3. Low-voltage provision.
				4. Nurse Call (One per system).
				5. Data outlets.

\*\* NOTE TO SPECIFIER \*\* Medical gas outlets should not be installed in center access panel in horizontal headwalls and should not be placed behind the hospital bed location. Gas outlets occupy separate rows from electrical/data outlets. They cannot be combined.

* + - 1. Gas Services Outlets:
				1. Medical air.
				2. Oxygen.
				3. Vacuum.
			2. Trim:
				1. Anodized aluminum.
				2. Solid wood.
			3. Bed Locator:

\*\* NOTE TO SPECIFIER \*\* Available and compatible with Basis® headwall styles and types whether In-Wall, On-Wall, Double-Sided, vertical or horizontal. It can be mounted onto the Basis® Wall panel System.

* + - * 1. Stand alone.
				2. Metal and plastic construction.
				3. Integrated bed locator.
				4. Receptacle provisions.
				5. Normal power.
				6. Emergency power.
				7. Low voltage provisions.
				8. Night light.
				9. Bed nurse call connection.
			1. Mounting tracks.
			2. Vertical Spacing, Minimum:
				1. Rows of Outlets and Devices: 6 in (152 mm).
				2. Gas Outlets: 18 in (457 mm).
			3. Horizontal Spacing:
				1. Electrical Devices: 1 13/16 in (46 mm).
				2. Gas Outlets: 4.5 in (114 mm).

\*\* NOTE TO SPECIFIER \*\* For retrofitting existing facilities and coupling multiple headwalls together, allowing installation of headwalls without opening up the existing facility wall.

* + - 1. Vertical chase and horizontal transition sleeve for on-wall horizontal systems.

\*\* NOTE TO SPECIFIER \*\* Up to 3 headwall units can be connected together with the chase/transition sleeve.

* + - * 1. Horizontal Transition Sleeve Widths:

12.5 in (318 mm).

18.5 in (470 mm).

* + - * 1. Light rail.
				2. Electrical outlets.
				3. Data outlets.
				4. Vertical Chase: Left, right or centered between two headwalls.
				5. Extension.

\*\* NOTE TO SPECIFIER \*\* See detailed product information for more details.

* + - 1. Accessories:
				1. Arm light compact fluorescent.
				2. Bottle slide.
				3. Charting shelf.
				4. ISS transfer pole with mount.
				5. IV resuscitator hook, dual.
				6. Ophthalmoscope mount.
				7. Shelf, mayo.
				8. Swivel shelf.
				9. Universal charting light with mount.
				10. Universal holder.
				11. Universal light mount.
				12. Universal pole holder, c-clamp.
				13. Utility otoscope mount.
				14. Utility shelf.
				15. Utility slide mount.
				16. Resuscitator bag holder.
				17. Sharps container.
				18. Glove box mount.
				19. Integrated diagnostic system.
				20. Speculum mount.
				21. Aneroid sphygmo, Tycos model.
				22. Utility hook.
				23. Conchatherm humidifier and heater - slide adapter.
				24. Standard slide adapter.
				25. Bird blender slide.
				26. Dual clip assembly.
				27. Cable organizer.
				28. Vertical cord wrap.
				29. Horizontal cord wrap.
				30. Standard cam adapter.
				31. Ball action adapter.
				32. Double cam adapter.
				33. Resuscitator holder.
				34. Blood pressure gauge mount.
				35. Equipment adapter.
				36. Light, utility track mounted.
				37. Post type utility mount.
				38. Aneroid sphygmo mount.
				39. GCX monitor track.
				40. Fairfield rail.
				41. Basket.
				42. Bird blender mount.
		1. Basis of Design: Hill-Rom Architectural Products; Basis of Design: Hill-Rom Architectural Products, Contour Headwall.
			1. Vertical equipment management tracks.
			2. Dimensions and Quantities: See drawings; plans and elevations.
			3. Wall Depth:
				1. Studs: 3 1/2 in (89 mm) deep.
				2. Back to Back: Studs; 6 in (152 mm) deep.
			4. Gas Services Outlets: Up to 8 (configurable).
				1. Medical air.
				2. Oxygen.
				3. Vacuum.
			5. Electrical Services Outlets: In number of duplexes.
				1. Normal: 6
				2. Emergency: 5
				3. Low-voltage provision: 5

\*\* NOTE TO SPECIFIER: Delete nurse call options not required.

* + - * 1. Nurse Calls: 1.
				2. Nurse Calls: 2.
				3. Nurse Calls: 3.
				4. Nurse Calls: 4.
			1. Options:
				1. Equipment tracks, mounted horizontally.
				2. Wood top cap.

\*\* NOTE TO SPECIFIER \*\* Patient room headwall

* + 1. Basis of Design: Hill-Rom Architectural Products; Basis of Design: Hill-Rom Architectural Products, Elements Headwall.
			1. Standards:
				1. ASME B16.22.
				2. ASTM E90.
				3. ASTM E413.
				4. CGA-G-4.1.
				5. CGA V-5.
				6. NFPA 70.
				7. NFPA 99.
				8. NVLAP 08/P06.
				9. UL 514A.
				10. UL 1047.
			2. Dimensions and Quantities: See drawings; plans and elevations.
			3. Mounting:
				1. On wall.
				2. In wall.
				3. Double-sided.
				4. Sound Rating: Tested according to ASTM E 90 and NVLAP 08/P06.

Single Sided: 45 STC.

6 in (153 mm) double sided: 40 STC.

* + - 1. Wall Depth:
				1. Studs: 3 1/2 in (89 mm) deep.
				2. Back to Back: Studs; 6 in (152 mm) deep.

\*\*NOTE TO SPECIFIER \*\* Delete unit height option not required.

* + - 1. Unit Height (in/mm): As indicated on Drawings.
			2. Unit Height (in/mm): \_\_\_\_\_\_.
			3. Panel Reveal: 3/8 in (10 mm):
				1. Flush concave.
				2. Protruding.
			4. Panel Reveal Finish:
				1. Black.
				2. Aluminum.

\*\* NOTE TO SPECIFIER \*\* Delete laminate finish option not required.

* + - 1. Panel High-Pressure Laminate Finish: As indicated on drawings.
			2. Panel High-Pressure Laminate Finish: \_\_\_\_\_\_.
			3. Access Panels: 5/8 in (16 mm) particle board, edge banded and with high pressure laminate sides.
			4. Service Panels: 16-gauge steel with high-pressure laminate finish.
			5. Frame Assemblies: 16-gauge roll formed galvanized steel channels.
			6. Protective Bumper Panels:

\*\* NOTE TO SPECIFIER \*\* Recommended for VersaCare®, CareAssist®, and Advanta™ 2 beds and if headboard remains stationary.

* + - * 1. Horizontal.

\*\* NOTE TO SPECIFIER \*\* Recommended for TotalCare®, Advanta™, and Stryker Go beds, and If headboard moves up and down.

* + - * 1. Vertical.

\*\* NOTE TO SPECIFIER \*\* Delete color option not required.

* + - * 1. Color: As indicated on Drawings.
				2. Color: \_\_\_\_\_\_.
			1. Electrical Services Outlets:

\*\* NOTE TO SPECIFIER \*\* Electrical/Data outlets have separate service panels from gas outlets.

* + - * 1. Normal.
				2. Emergency.
				3. Low-voltage provision.
				4. Nurse call.
				5. Code blue.
			1. Gas Services Outlets:
				1. Medical air.
				2. Oxygen.
				3. Vacuum.
			2. Vertical Spacing, Minimum:
				1. Rows of Outlets and Devices: 6 in (153 mm).
				2. Gas Outlets: 18 in (457 mm).
			3. Horizontal Spacing, minimum:
				1. Electrical Devices: 1 13/16 in (46 mm).
				2. Gas Outlets: 4 1/2 in (114 mm).
			4. Options:
				1. Art glass.
				2. Cabinets.
				3. Door cabinets.
				4. Drawer cabinets.
				5. Wardrobe
				6. Valence.
				7. Toe kick.
				8. Clinical modules:
				9. Glove and gel.
				10. Glove box.
				11. Sphygmomanometer.
				12. Sharps.
				13. Glove and blood pressure cuff.
				14. Work surface.
				15. Storage.
			5. Panel Layout: See drawings.
			6. Accessories:
				1. Basket.
				2. Universal holder.
				3. ISS transfer pole with mount.
				4. IV holder.
				5. Chart holder.
				6. Sharps container.
				7. Universal pole holder, c-clamp.
				8. Shelf, mayo.
				9. Integrated diagnostic system.
				10. Standard slide adapter.
				11. Bird Blender slide.
				12. Shelf.
				13. Utility shelf.
				14. Sharps container mount.
				15. Charting Shelf.
				16. Universal light mount.
				17. Speculum mount.
				18. Utility hook.
				19. Stat clock timer.
				20. Satellite rack mount.
				21. Cable organizer.
				22. Vertical cord wrap.
				23. Horizontal cord wrap.
				24. Standard cam adapter.
				25. Glove box holder.
				26. Gas outlet guards.
				27. Blood pressure gauge.
				28. Blood pressure gauge mount.
				29. Prima light.
				30. Procedural light mount.
				31. Kendall Filac - thermometer mount.
				32. Resuscitator holder.
		1. Basis of Design: Hill-Rom Architectural Products; Basis of Design: Hill-Rom Architectural Products, Gallery Wall Headwall.
			1. Dimensions and Quantities: See drawings; plans and elevations.
			2. Mounting Type: Recessed.
			3. Electrical Services Available:
				1. One.
				2. Two.
			4. Gas Outlets:
				1. Three.
				2. Four.
				3. Five.
			5. Manometers.
			6. Swivel vacuum assemblies.
			7. Flowmeter assemblies.
			8. Frame Movement of Slide Mechanism:
				1. Horizontal:

Left.

Right.

* + - * 1. Vertical: Up.
			1. Accepts framed artwork (W x H): 37 x 24 3/4 in (940 x 629 mm).
		1. Basis of Design: Hill-Rom Architectural Products; Basis of Design: Hill-Rom Architectural Products, Horizon Headwall System.
			1. Horizontal raceways.
			2. Vertical Chase: provides entry of services from the ceiling.
			3. Dimensions and Quantities: See drawings; plans and elevations.
			4. Movable Electrical Service Outlets:
				1. Normal.
				2. Emergency.
				3. Low-voltage provision.
			5. Movable gas service outlets.

\*\* NOTE TO SPECIFIER \*\* See detailed product information for an inclusive list of product accessories.

* + - 1. Accessories:
				1. Aneroid Sphygmomanometer mount.
				2. Aneroid Sphygmomanometer with Coil and Standard Size Cuff, Tycos.
				3. Arm light mount.
				4. Storage basket.
				5. Cuff basket.
				6. Chart holder.
				7. Ophthalmoscope mount.
				8. Gas block and hose assembly.
				9. Resuscitator bag holder.
				10. Infusion pump holder.
				11. Sharps disposal (mount Only).
				12. Utility hook.
				13. Bird Blender slide.
				14. Cable Organizer.
				15. Bed bumper.
				16. Bird blender Mount.
				17. Extended bottle Slide.
				18. Gas guard assembly.
				19. Waste receptacle.
				20. Exam light.
				21. Utility shelf.
				22. Utility light.
				23. TV Arm Mount:

Bunting.

Phillips.

RC.

* + - * 1. \_\_\_\_\_\_.
		1. Basis of Design: Hill-Rom Architectural Products; Basis of Design: Hill-Rom Architectural Products, Integris (2002C) Headwall.
			1. Dimensions and Quantities: See drawings; plans and elevations.
			2. Movable Gases:
				1. Oxygen: Up to four.
				2. Medical Air: Up to four
				3. Vacuum: Up to six.
			3. Manifold: Fourteen ports.
			4. Optional integrated bed locator.
			5. Specify Required Outlets:
				1. Oxygen outlets.
				2. Medical air outlets.
				3. Vacuum outlets.
				4. Standard electrical duplexes.
				5. Emergency electrical duplexes.
				6. Low voltage.
			6. Accessories:

\*\* NOTE TO SPECIFIER \*\* See manufacturer's accessory brochure for more detailed information. Delete if not required.

* + - * 1. \_\_\_\_\_\_
			1. Other Related Products: Integris Lighting.
		1. Basis of Design: Hill-Rom Architectural Products; Basis of Design: Hill-Rom Architectural Products, Integris (2001C) Headwall.
			1. Dimensions and Quantities: See drawings; plans and elevations.
				1. Oxygen: Up to four.
				2. Medical Air: Up to four.
				3. Vacuum: Up to six.
			2. Manifold: Fourteen ports
			3. Optional integrated bed locator.
			4. Specify Required Outlets:
				1. Oxygen outlets.
				2. Medical air outlets.
				3. Vacuum outlets.
				4. Standard electrical duplexes.
				5. Emergency electrical duplexes.
				6. Low voltage.
			5. Accessories: (See accessory brochure).
			6. Other Related Products: Integris Lighting.

\*\* NOTE TO SPECIFIER \*\* Delete if not required. Delete features not required.

* 1. HEADBOARD AND BED LOCATORS
		1. Basis of Design: Hill-Rom Architectural Products;

\*\* NOTE TO SPECIFIER \*\* Delete products not required.

* + - 1. Hill-Rom Bed Locator: P0052B1.
			2. Integrated Bed Locator: P0052B4
			3. Medical Headboard: P0052B2/3.

\*\* NOTE TO SPECIFIER \*\* Available and compatible with Basis headwall styles and types whether In-Wall, On-Wall, Double-Sided, vertical or horizontal. It can be mounted onto the Basis Wall panel System.

* + 1. Stand Alone: Molded plastic with plastic laminate insert.
		2. Receptacle Provisions:
			1. Normal power.
			2. Emergency power.
			3. Low voltage provisions.
			4. Night light.
			5. Bed nurse call connection.
		3. Dimensions:
			1. Width: 50 in (1270 mm).
			2. Height:

\*\* NOTE TO SPECIFIER \*\* Hill-Rom Bed Locator P0052B1.

* + - * 1. 22.5 in (572 mm).

\*\* NOTE TO SPECIFIER \*\* Integrated Bed Locator P0052B4

* + - * 1. 24.5 in (622 mm)

\*\* NOTE TO SPECIFIER \*\* Medical Headboard P0052B2/3.

* + - * 1. 36.9 in (937 mm).
			1. Depth:
				1. At Bumpers: 4.6 in (117 mm).
				2. At Center: 2.76 in (70 mm).
			2. Weight:

\*\* NOTE TO SPECIFIER \*\* Hill-Rom Bed Locator P0052B1.

* + - * 1. 65 lbs (29.5 kg).

\*\* NOTE TO SPECIFIER \*\* Integrated Bed Locator P0052B4.

* + - * 1. 65 lbs (29.5 kg).

\*\* NOTE TO SPECIFIER \*\* Medical Headboard P0052B2/3.

* + - * 1. 75 lbs (34 kg).
1. EXECUTION
	1. EXAMINATION
		1. Verification of Conditions: Examine areas and conditions under which products are to be used to assure products will perform as specified and identify conditions that may be detrimental to proper performance.
		2. Do not proceed until unsatisfactory conditions have been corrected.
	2. INSTALLATION
		1. General: Install per manufacturer's written instructions and in proper relationship with adjacent construction.
		2. Testing: Test per manufacturer's written instructions. Adjust until satisfactory results are obtained.
	3. CLEANING AND PROTECTION
		1. Protect from damage during construction operations. Promptly repair any damaged surfaces. Remove and replace work which cannot be satisfactorily repaired.
		2. Clean products, prior to Substantial Completion, using materials recommended by the manufacturer.

END OF SECTION