SECTION 230518 - ESCUTCHEONS FOR HVAC PIPING

Revise this Section by deleting and inserting text to meet Project-specific requirements.

1. GENERAL
	* + 1. RELATED DOCUMENTS
				1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.
			2. SUMMARY
				1. Section Includes:

Escutcheons.

Floor plates.

* + - 1. DEFINITIONS

Retain terms that remain after this Section has been edited for a project.

* + - * 1. Existing Piping to Remain: Existing piping that is not to be removed and that is not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.
			1. SUBMITTALS
				1. Submittals for this section are subject to the re-evaluation fee identified in Article 4 of the General Conditions
				2. Manufacturer’s installation instructions shall be provided along with product data.
				3. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
				4. Product Data: For each type of product.
1. PRODUCTS

Manufacturers and products listed in SpecAgent and MasterWorks Paragraph Builder are neither recommended nor endorsed by the AIA or Deltek. Before inserting names, verify that manufacturers and products listed there comply with requirements retained or revised in descriptions and are both available and suitable for the intended applications. For definitions of terms and requirements for Contractor's product selection, see Section 016000 "Product Requirements."

* + - 1. MANUFACTURERS

* + - * 1. [Manufacturers:](http://www.specagent.com/Lookup?ulid=12980) Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

[BrassCraft Manufacturing Co.; a Masco company](http://www.specagent.com/Lookup?uid=123457076445).

[Jones Stephens Corp](http://www.specagent.com/Lookup?uid=123457076649).

[Mid-America Fittings, Inc](http://www.specagent.com/Lookup?uid=123457076411).

Approved equivalent.

* + - 1. ESCUTCHEONS

Paragraphs below may also be used for piping above 2 inch size (finished and unfinished spaces) for Mental Health and Correctional services projects.

Retain types and finish options below that match those retained in Ppart 3.

Escutcheons described in "one-piece, steel type"; "one-piece, stainless-steel type"; and "one-piece, cast-brass type" paragraphs below are generally available in 5/8-inch (15-mm) od, 7/8-inch (22-mm) od, 1-1/4-inch (32-mm) od, 1-1/2-inch (38-mm) od, 3/8-inch (10-mm) IPS, 1/2-inch (13-mm) IPS, 3/4-inch (19-mm) IPS, 1-1/4-inch (32-mm) IPS, 1-1/2-inch (38-mm) IPS, and 2-inch (50-mm) IPS. Stainless-steel escutcheons and brass escutcheons have limited size availability and are not offered by all manufacturers. Each finish is not offered with each base metal by all manufacturers. Consult manufacturers.

* + - * 1. One-Piece, Steel Type: With [**polished, chrome-plated**] [**polished brass**] finish and setscrew fastener.
				2. One-Piece, Stainless-Steel Type: With polished stainless-steel finish.
				3. One-Piece, Cast-Brass Type: With [**polished, chrome-plated**] [**polished brass**] finish and setscrew fastener.

Escutcheons described in "One-Piece, Deep-Pattern Type" pParagraph below are generally available in 1-1/4-inch (32-mm) OD, 1-1/2-inch (38-mm) OD, 1-1/4-inch (32-mm) IPS, and 1-1/2-inch (38-mm) IPS. The "brass" option below has limited size availability and is not offered by every manufacturer. Consult manufacturers.

* + - * 1. One-Piece, Deep-Pattern Type: Deep-drawn, box-shaped [**steel**] [**brass**] with polished, chrome-plated finish and spring-clip fasteners.

Escutcheons described in "One-Piece, Stamped-Steel Type" pParagraph below are generally available in 5/8-inch (15-mm) OD, 7/8-inch (22-mm) OD, 1-1/4-inch (32-mm) OD, 1-1/2-inch (38-mm) OD, 3/8-inch (10-mm) IPS, 1/2-inch (13-mm) IPS, 3/4-inch (19-mm) IPS, 1-inch (25-mm) IPS, 1-1/4-inch (32-mm) IPS, 1-1/2-inch (38-mm) IPS, and 2-inch (50-mm) IPS.

* + - * 1. One-Piece, Stamped-Steel Type: With polished, chrome-plated finish and spring-clip fasteners.

Delete paragraph below on mental health and correctional services projects. Check with designer for the possibility of using split type in non-patient or non-inmate areas in these facilities.

Retain one or both finish options in "split-plate, stamped-steel type" paragraph below that match escutcheon types retained in Ppart 3. Escutcheons described in paragraph are generally available in 5/8-inch (15-mm) od, 7/8-inch (22-mm) od, 1-1/4-inch (32-mm) od, 1-1/2-inch (38-mm) od, 3/8-inch (10-mm) IPS, 1/2-inch (13-mm) IPS, 3/4-inch (19-mm) IPS, 1-inch (25-mm) IPS, 1-1/4-inch (32-mm) IPS, 1-1/2-inch (38-mm) IPS, and 2-inch (50-mm) IPS.

* + - * 1. Split-Plate, Stamped-Steel Type: With polished, chrome-plated finish; [**concealed**] [**and**] [**exposed-rivet**] hinge; and spring-clip fasteners.
			1. FLOOR PLATES

Escutcheons described in "Split Floor Plates" pParagraph below are generally available in 5/8-inch (15-mm) OD, 7/8-inch (22-mm) OD, 1-1/4-inch (32-mm) OD, 1-1/2-inch (38-mm) OD, 3/8-inch (10-mm) IPS, 1/2-inch (13-mm) IPS, 3/4-inch (19-mm) IPS, 1-1/4-inch (32-mm) IPS, 1-1/2-inch (38-mm) IPS, and 2-inch (50-mm) IPS. Consult manufacturers.

* + - * 1. Split Floor Plates: Steel with concealed hinge.
1. EXECUTION
	* + 1. INSTALLATION
				1. Install escutcheons for piping penetrations of walls, ceilings, and finished floors.
				2. Install escutcheons with ID to closely fit around pipe, tube, and insulation of piping and with OD that completely covers opening.

Paragraph below may also be used for piping above 2 inch size (finished and unfinished spaces) for mental health and correctional services projects.

Coordinate retained selections with section 210518 "Escutcheons For Fire-Suppression Piping" and section 220518 "Escutcheons For Plumbing Piping" for consistency.

See Ppart 2 for information on availability of finishes and sizes.

Escutcheons for New Piping[**and Relocated Existing Piping**]:

Piping with Fitting or Sleeve Protruding from Wall: One-piece, deep pattern.

Chrome-Plated Piping: One-piece [**steel**] [**cast brass**][**or split-plate steel**] with polished, chrome-plated finish.

Retain one of four "Insulated Piping" subparagraphs below.

Insulated Piping: One-piece steel with [**polished, chrome-plated**] [**polished brass**] finish.

Insulated Piping: One-piece stainless steel with polished stainless-steel finish.

Insulated Piping: One-piece cast brass with [**polished, chrome-plated**] [**polished brass**] finish.

Insulated Piping: One-piece stamped steel [**or split-plate, stamped steel with concealed hinge**] [**or split-plate, stamped steel with exposed-rivet hinge**] with polished, chrome-plated finish.

Retain one of four "Bare Piping at Wall and Floor Penetrations in Finished Spaces" subparagraphs below.

Bare Piping at Wall and Floor Penetrations in Finished Spaces: One-piece steel with [**polished, chrome-plated**] [**polished brass**] finish.

Bare Piping at Wall and Floor Penetrations in Finished Spaces: One-piece stainless steel with polished stainless-steel finish.

Bare Piping at Wall and Floor Penetrations in Finished Spaces: One-piece cast brass with [**polished, chrome-plated**] [**polished brass**] finish.

Bare Piping at Wall and Floor Penetrations in Finished Spaces: One-piece stamped steel [**or split-plate, stamped steel with concealed hinge**] [**or split-plate, stamped steel with exposed-rivet hinge**] with polished, chrome-plated finish.

Retain one of four "Bare Piping at Ceiling Penetrations in Finished Spaces" subparagraphs below.

Bare Piping at Ceiling Penetrations in Finished Spaces: One-piece steel with [**polished, chrome-plated**] [**polished brass**] finish.

Bare Piping at Ceiling Penetrations in Finished Spaces: One-piece stainless steel with polished stainless-steel finish.

Bare Piping at Ceiling Penetrations in Finished Spaces: One-piece cast brass with [**polished, chrome-plated**] [**polished brass**] finish.

Bare Piping at Ceiling Penetrations in Finished Spaces: One-piece stamped steel [**or split-plate, stamped steel with concealed hinge**] [**or split-plate, stamped steel with exposed-rivet hinge**] with polished, chrome-plated finish.

Retain one of three "Bare Piping in Unfinished Service Spaces" subparagraphs below.

Bare Piping in Unfinished Service Spaces: One-piece steel with polished, chrome-plated finish.

Bare Piping in Unfinished Service Spaces: One-piece cast brass with [**polished, chrome-plated**] [**rough-brass**] finish.

Bare Piping in Unfinished Service Spaces: One-piece stamped steel [**or split-plate, stamped steel with concealed hinge**] [**or split-plate, stamped steel with exposed-rivet hinge**] with polished, chrome-plated finish.

Retain one of three "Bare Piping in Equipment Rooms" subparagraphs below.

Bare Piping in Equipment Rooms: One-piece steel with polished, chrome-plated finish.

Bare Piping in Equipment Rooms: One-piece cast brass with [**polished, chrome-plated**] [**rough-brass**] finish.

Bare Piping in Equipment Rooms: One-piece stamped steel [or split-plate, stamped steel with concealed hinge] [or split-plate, stamped steel with exposed-rivet hinge] with polished, chrome-plated finish.

Bare Piping in Equipment Rooms: One-piece stamped steel [**or split-plate, stamped steel with concealed hinge**] [**or split-plate, stamped steel with exposed-rivet hinge**] with polished, chrome-plated finish.

Delete paragraph below on mental health and correctional services projects. Check with designer for the possibility of using split type in non-patient or non-inmate areas in these facilities.

Escutcheons for Existing Piping to Remain:

Chrome-Plated Piping: Split-plate, stamped steel with [**concealed**] [**or**] [**exposed-rivet**] hinge with polished, chrome-plated finish.

Insulated Piping: Split-plate, stamped steel with [**concealed**] [**or**] [**exposed-rivet**] hinge with polished, chrome-plated finish.

Bare Piping at Wall and Floor Penetrations in Finished Spaces: Split-plate, stamped steel with [**concealed**] [**or**] [**exposed-rivet**] hinge with polished, chrome-plated finish.

Bare Piping at Ceiling Penetrations in Finished Spaces: Split-plate, stamped steel with [**concealed**] [**or**] [**exposed-rivet**] hinge with polished, chrome-plated finish.

Bare Piping in Unfinished Service Spaces: Split-plate, stamped steel with [**concealed**] [**or**] [**exposed-rivet**] hinge with polished, chrome-plated finish.

Bare Piping in Equipment Rooms: Split-plate, stamped steel with [**concealed**] [**or**] [**exposed-rivet**] hinge with polished, chrome-plated finish.

* + - * 1. Install floor plates for piping penetrations of equipment-room floors.
				2. Install floor plates with ID to closely fit around pipe, tube, and insulation of piping and with OD that completely covers opening.

Subparagraphs below apply to both bare and insulated piping.

New Piping [**and**] [**Relocated Existing Piping**]: Split floor plate.

Existing Piping to Remain: Split floor plate.

* + - 1. FIELD QUALITY CONTROL
				1. Using new materials, replace broken and damaged escutcheons and floor plates.

END OF SECTION 230518