**NOTES TO SPECIFIER:**

**Review and remove any text in RED before sending.**

**Edit options are typically flagged in the following manner:**

**EDIT – choices need decision or detailed review**

**NOTE – note to specifier regarding selection**

**OPTION – note when there may be an option for the article and/or paragraph**

**[font in brackets] = edit options for consideration**

SECTION 087112

CATCH ‘N’ CLOSE SLIDING DOOR HARDWARE

1. GENERAL
	* + 1. SUMMARY
				1. Provide Catch ‘N’ Close sliding door hardware.
				2. Related Sections: Coordinate with the following as applicable:

Section 087100 - Door Hardware for door hardware not specified in this Section.

Section 087111 – Exposed Track and Hardware Sliding Door Systems.

Section 087113 – Under Glass Sliding Door Systems.

Section 087114 – Pocket Door Hardware.

* + - 1. SUBMITTALS
				1. Product Data: Submit manufacturer's literature including product characteristics and accessories.
				2. Shop Drawings: Submit details of construction and mounting.

Provide templates for hardware preparation of doors and frames to be performed in factory.

* + - * 1. Door Hardware Schedule: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule." Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
				2. Verification Samples: Submit samples of materials selected for use to verify color and finish.
				3. Closeout Submittals:

Operation and Maintenance Data.

Provide any specialized tools required for Owner’s adjustments.

* + - 1. QUALITY ASSURANCE
				1. Manufacturer: Minimum of 5 years experience manufacturing similar products.
				2. Installer: Minimum of 2 years experience installing similar products.
				3. Field Measurements: To the greatest extent practical, take field measurements prior to fabrication.
			2. DELIVERY, STORAGE AND HANDLING
				1. Deliver materials and products in unopened factory labeled packages. Store and handle in strict compliance with manufacturer's instructions and recommendations.
1. PRODUCTS
	* + 1. MANUFACTURER
				1. Basis-of-Design, Canada Contact: K.N. CROWDER MFG. INC., 1220 Burloak Drive, Burlington, Ontario L7L 6B3. Telephone (905) 315-9788. Toll Free 1-866-999-1KNC (1562). Fax (905) 315-8090. Toll Free Fax 1-800-567-0123.
				2. Basis-of-Design, USA Contact: K.N. CROWDER INC., 210 Eighth Street South Lewiston, New York 14092. Telephone (716) 754-8247. Toll Free 1-866-999-1KNC (1562). Toll Free Fax 1-800-567-0123.
			2. PERFORMANCE REQUIREMENTS
				1. Standards Compliance:

ANSI/ BHMA A156.14 – Sliding and Folding Door Hardware.

ANSI/ DHI A115.IG – Installation Guide for Doors and Hardware.

American with Disabilities Act (ADA) 2010 Standards for Accessible Design.

ANSI A117.1 Accessibility Guidelines for Building and Facilities.

All state and local accessibility standards.

* + - * 1. Operating hardware shall be fully exposed and usable from both sides at all times.
				2. Doors shall comply with maximum opening force of 5 lbf applied parallel to door at latch.
			1. CATCH ‘N’ CLOSE SLIDING DOOR HARDWARE
				1. Catch ‘N’ Close Hanger: CCS-410-W Zero Clearance Catch ‘N’ Close Hanger with Side Mount Track by K.N. Crowder Inc. with the following characteristics:

Features: Zero clearance, side mount track system, Catch ‘N’ Close system: prevents bouncing and slamming of doors, in-track adjustable stops, nylon wheels with precision ground ball bearings, bottom guide system

Material: Extruded aluminum, 6063 Alloy

Hanger: Zero clearance 5/8 inch (15.9 mm) x 7/8 inch (22.2 mm) x 6 inch (152.4 mm), recessed into door

Track, CC-408: 2-3/8 inch (60.1 mm) x 2-7/8 inch (63.3 mm) extruded channel track

Finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Bronze Anodized] [Optional: Black Anodized] [Optional: Powder Coated, Colour\_\_\_\_\_\_\_\_\_]**

Optional Fascia, CC-480: 2-31/32 inch (75.2 mm) x 4-17/32 inch (114.8 mm) extruded fascia. **Choose 1 option: [One side] [Not required]**Finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Bronze Anodized] [Optional: Black Anodized] [Optional: Powder Coated, Colour\_\_\_\_\_\_\_\_\_]**

Optional End Cap, CC-481: **NOTE: For use with track only, no fascia. [One end] [Two ends] [Not required]**

Finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Bronze Anodized] [Optional: Black Anodized] [Optional: Powder Coated, Colour\_\_\_\_\_\_\_\_\_]**

Optional End Cap, CC-482: **NOTE: For use with track & CC-480 fascia only. [One end] [Two ends] [Not required]**

Finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Bronze Anodized] [Optional: Black Anodized] [Optional: Powder Coated, Colour\_\_\_\_\_\_\_\_\_]**

Fascia, CC-470: 2-5/8 inch (66.9 mm) x 3-1/16 inch (77.9 mm) extruded fascia. Finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Bronze Anodized] [Optional: Black Anodized] [Optional: Powder Coated, Colour\_\_\_\_\_\_\_\_\_]**

End Cap, CC-471:

Finish: **Choose 1 finish: [Standard Clear Anodized] [Optional: Bronze Anodized] [Optional: Black Anodized] [Optional: Powder Coated, Colour\_\_\_\_\_\_\_\_\_]**

Load Capacity: up to 150 lbs. (68.0 kg)

Catch ‘N’ Close Capacity: **Choose 1 option: [CC-75 for 75lbs doors] [CC-1 for 150lbs doors]**

Guide Channel, C-914: 1 inch (25.4 mm) x 29/32 inch (22.9 mm), recessed into bottom of door. Finish Standard Mill

Guide: **Choose 1 option: NOTE: for doors wider than 55 inch (1397 mm) it is recommended to choose the C-913-2 double roller guide for better stability [C-913 single roller floor guide] [ C-913-2 double roller floor guide]**

1. EXECUTION
	* + 1. EXAMINATION
				1. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.
			2. PREPARATION
				1. Steel Doors and Frames: Comply with ANSI/ BHMA A156-115.
				2. Wood Doors: Comply with ANSI/ BHMA A156-115W.
			3. INSTALLATION
				1. Install products in strict accordance with manufacturer’s instructions, approved submittals and in proper relationship with adjacent construction.
				2. Mounting Heights: Mount door hardware units at heights indicated in the following applicable publications, unless specifically indicated or required to comply with governing regulations:

Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."

Custom Steel Doors and Frames: DHI's "Recommended Locations for Builders' Hardware for Custom Steel Doors and Frames."

Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

* + - * 1. Test for proper operation and adjust until satisfactory results are obtained. Replace units which do not operate properly.
			1. CLEANING
				1. Clean surfaces to remove soiling, stains, dust, and dirt using materials acceptable to manufacturer.

END OF SECTION