SECTION 08 71 53

DOOR CLOSERS

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\*\* NOTE TO SPECIFIER \*\* Norton Door Controls, (An ASSA ABLOY Group company); Door Closers.
 .
 This section is based on the products of Norton Door Controls, (An ASSA ABLOY Group company), which is located at:
3000 Hwy. 74 East
Monroe, NC 28112
Toll Free Tel: 800-438-1951
Fax: 800-338-0965
Email: [request info (lkirkpatrick@nortondoorcontrols.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Norton+Door+Controls,+(An+ASSA+ABLOY+Group+company)&coid=34528&rep=&fax=800-338-0965&message=RE:%20Spec%20Question%20(08710nor):%20%20&mf=)
Web: [www.nortondoorcontrols.com](http://www.nortondoorcontrols.com)
 [ [Click Here](http://www.arcat.com/arcatcos/cos34/arc34528.html) ] for additional information.
 Norton is the leading manufacturer of commercial door closers since 1880. Our products are used in schools, hospitals and businesses around the globe. Norton Door Controls have been manufactured in Monroe, North Carolina, since 1957. Norton Door Controls offer a comprehensive line of door controls designed and manufactured to ensure superior performance and reliability. Norton Door Controls offer traditional surface, industrial economy, overhead concealed, security, commercial, architectural, electromechanical and electrified closers. To complement the closers, Norton also offers a unique range of arms to help provide maximum door and frame protection.

1. GENERAL
	1. SECTION INCLUDES

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

* + 1. Door Closers.
	1. RELATED SECTIONS

\*\* NOTE TO SPECIFIER \*\* Delete any sections below not relevant to this project; add others as required.

* + 1. Section 05 10 00 - Structural Metal Framing.
		2. Section 06 10 00 - Rough Carpentry.
		3. Section 08 11 00 - Metal Doors and Frames.
		4. Section 08 10 00 - Doors and Frames.
		5. Section 26 05 00 - Common Work Results for Electrical.
	1. REFERENCES

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

* + 1. ANSI A117.1 - Accessible and Useable Buildings and Facilities.
		2. ANSI A156.4 - Door Controls - Closers.
		3. ANSI A156.19 - Power Assist And Low Energy Power Operated Doors
		4. ANSI A156.15 - Release Devices - Closer Holder, Electromagnetic and Electromechanical.
		5. Underwriters Laboratories (UL). - Fire Resistance Directory.
	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. Preparation instructions and recommendations.
			2. Storage and handling requirements and recommendations.
			3. Installation methods.
		3. Shop Drawings: Manufacturer's approved shop drawings are required detailing the application of each product specified.

\*\* NOTE TO SPECIFIER \*\* Delete selection samples if colors have already been selected.

* + 1. Selection Samples: For each finish product specified, two full size samples representing manufacturer's full range of available colors and patterns.
		2. Verification Samples: For each finish product specified, two full size samples, representing actual product, color, and patterns.
		3. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
		4. Closeout Submittals: Provide manufacturer's maintenance instructions that include recommendations for periodic checking and adjustment and periodic cleaning and maintenance of all components.
	1. QUALITY ASSURANCE
		1. Manufacturer Qualifications: S single manufacturer with a minimum of 10 years documented experience manufacturing door hardware of the type specified in this Section.
		2. Installer Qualifications: An installer with a minimum of 5 years demonstrated experience in installing products of the same type and scope as specified.

\*\* NOTE TO SPECIFIER \*\* Include a mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project.

* + 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
			1. Finish areas designated by Architect.
			2. Do not proceed with remaining work until workmanship, color, and finish are approved by Architect.
			3. Refinish mock-up area as required to produce acceptable work.
	1. DELIVERY, STORAGE, AND HANDLING
		1. Store products in manufacturer's unopened packaging until ready for installation.
	2. SEQUENCING
		1. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.
		2. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.
	3. 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 absolute limits.
	4. WARRANTY
		1. Manufacturer's limited warranty as follows:

\*\* NOTE TO SPECIFIER \*\* Delete references below that are not applicable to the product specified in this Section.

* + - 1. 7100SZ SafeZone 2 years
			2. 7200 Electromechanical 2 years
			3. 7700 PowerTrack 2 years
			4. 6000 Power Operator 2 years
			5. 5700 Power Operator 2 years
			6. 5900 Power Operator 2 years
			7. 5800 ADAEZ Operator 2 years
			8. 5600 Power Operator 1 year
			9. 1700 5 years
			10. 9300BC series 5 years
			11. 78-B/F series 10 years
			12. 1600 series 15 years
			13. 2800ST cam closer 10 years
			14. 7500 series 25 years
			15. 7900 overhead concealed 10 years
			16. 8000 series 25 years
			17. 9500 series 25 years
1. PRODUCTS
	1. MANUFACTURERS
		1. Acceptable Manufacturer: Norton Door Controls, (An ASSA ABLOY Group company), which is located at: 3000 Hwy. 74 East; Monroe, NC 28112; Toll Free Tel: 800-438-1951; Fax: 800-338-0965; Email: [request info (lkirkpatrick@nortondoorcontrols.com)](http://admin.arcat.com/users.pl?action=UserEmail&company=Norton+Door+Controls,+(An+ASSA+ABLOY+Group+company)&coid=34528&rep=&fax=800-338-0965&message=RE:%20Spec%20Question%20(08710nor):%20%20&mf=); Web: [www.nortondoorcontrols.com](http://www.nortondoorcontrols.com)

\*\* 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 the entire next Article if Door Closers are not required. Retain only models specifically required on this project and modify the included text as instructed.

* 1. DOOR CLOSERS
		1. 7500 Series Institutional Door Closer:

\*\* NOTE TO SPECIFIER \*\* Insert Model number(s) based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7500/7700 Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-1/8 inch (54mm) projection.
			4. Power size: 1-6 (multi-size).
			5. All standard arm applications allow doors to swing up to 180 degrees, conditions permitting.
			6. ANSI A156.4 Grade 1.
			7. UL/cUL listed for use on fire rated doors.
			8. UL10C listed for positive pressure fire test.
			9. ADA compliant.
			10. Exceeds 25 million cycles (witnessed and verified by UL).

\*\* NOTE TO SPECIFIER \*\* Select one or more of the following Application paragraphs and delete those not required. Coordinate with hardware schedule.

* + - 1. Application: Regular Arm - Pull Side.
			2. Application: Parallel Arm - Push Side.
			3. Application: Top Jamb Arm - Push Side.
			4. Application: Parallel Rigid Arm - Heavy Duty - Non-Hold Open or Hold Open.
			5. Application: Regular Rigid Arm - Heavy Duty - Non-Hold Open
			6. Application: Closer Plus Arm - Heavy Duty - Non-Hold Open or Hold Open.
			7. Application: Closer Plus Spring Arm - Heavy Duty - Non-Hold Open or Hold Open.
			8. Application: CloserPlus Ramp Arm - Heavy Duty - Hold Open
			9. Application: Parallel Unitrol Arm - Heavy Duty - Non-Hold Open or Hold Open.
			10. Application: Top Jamb Unitrol Arm - Heavy Duty - Non-Hold Open or Hold Open.
			11. Application: Pull Slide Track - Non-Hold Open or Hold Open.
			12. Application: Push Slide Track - Non-Hold Open or Hold Open.
			13. Application: Low Profile, Push Slide Track - Non-Hold Open or Hold Open
			14. Application: Low Profile, Pull Slide Track - Non-Hold Open or Hold Open
			15. Application: Low Profile Arm.

\*\* NOTE TO SPECIFIER \*\* Select one or more of the following four Door Closer Function paragraphs and delete the ones not required. Coordinate with hardware schedule.

* + - 1. Closer Function: Standard adjustable sweep latch and backcheck intensity/backcheck location valves.
			2. Closer Function: Adjustable Delayed Closing Optional.

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required. Coordinate with door hardware schedules as required.

* + - * 1. Delay Time: 30 seconds max, 90 degree Opening.
				2. Delay Time: As specified on the Door Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Cover Type from the following two paragraphs.

* + - 1. Cover Material: Molded Resin.
			2. Cover Material: Metal (Optional).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
			9. Finish: SRI - Corrosion Inhibitor Prime Coat.
			10. Finish: 605 - Bright Brass Plated (with M suffix).
			11. Finish: 606 - Satin Brass Plated (with M suffix).
			12. Finish: 611- Bright Bronze Plated (with M suffix).
			13. Finish: 612 - Satin Bronze Plated (with M suffix).
			14. Finish: 613E - Dark Oxidized Satin Bronze - Equivalent
			15. Finish 619 - Satin Nickel (with M suffix).
			16. Finish: 625 - Bright Chrome Plated (with M suffix).
			17. Finish: 626 - Satin Chrome Plated (with M suffix).
		1. 9500 Series Cast Iron Door Closer:

\*\* NOTE TO SPECIFIER \*\* Insert Model number(s) based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7500/7700 Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-1/4 inch (57mm) projection.

\*\* NOTE TO SPECIFIER \*\* Select Power Size. Size 1-6 multisize is available only on 7500 Series. Select on of the next six paragraphs and delete those not required.

* + - 1. Power size: 1-6 (multi-size).
			2. All standard arm applications allow doors to swing up to 180 degrees, conditions permitting.
			3. ANSI A156.4 Grade 1
			4. UL/cUL listed for use on fire rated doors
			5. UL10C listed for positive pressure fire test
			6. ADA compliant
			7. Exceeds 25 million cycles (witnessed and verified by UL)

\*\* NOTE TO SPECIFIER \*\* Select one or more of the following Application paragraphs and delete those not required. Coordinate with hardware schedule.

* + - 1. Application: Regular Arm - Pull Side.
			2. Application: Parallel Arm - Push Side.
			3. Application: Top Jamb Arm - Push Side.
			4. Application: Parallel Rigid Arm - Heavy Duty - Non-Hold Open or Hold Open.
			5. Application: Regular Rigid Arm - Heavy Duty - Non-Hold Open
			6. Application: Closer Plus Arm - Heavy Duty - Non-Hold Open or Hold Open
			7. Application: Parallel Unitrol Arm - Heavy Duty - Non-Hold Open or Hold Open
			8. Application: Pull Slide Track - Non-Hold Open or Hold Open
			9. Application: Push Slide Track - Non-Hold Open or Hold Open
			10. Closer Function: Adjustable Delayed Closing Optional.

\*\* NOTE TO SPECIFIER \*\* Select one of the following two paragraphs and delete the one not required. Coordinate with door hardware schedules as required.

* + - * 1. Delay Time: 30 seconds max, 90 degree Opening.
				2. Delay Time: As specified on the Door Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Cover Type from the following two paragraphs.

* + - 1. Cover Material: Molded Resin.
			2. Cover Material: Metal (Optional).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Corrosion Inhibitor Prime Coat.
			9. Finish: 605 - Bright Brass Plated (with M suffix).
			10. Finish: 606 - Satin Brass Plated (with M suffix).
			11. Finish: 611- Bright Bronze Plated (with M suffix).
			12. Finish: 612 - Satin Bronze Plated (with M suffix).
			13. Finish: 613E - Dark Oxidized Satin Bronze - Equivalent
			14. Finish 619 - Satin Nickel (with M suffix).
			15. Finish: 625 - Bright Chrome Plated (with M suffix).
			16. Finish: 626 - Satin Chrome Plated (with M suffix).
		1. 2800ST Cam Action Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 2800ST Catalog.

* + - 1. Model: 28\_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-5/8 inch (67mm) projection.
			4. UL/cUL listed for use on fire rated doors.
			5. UL10C listed for positive pressure fire test.
			6. ADA compliant.
			7. Power size: 0 (adjustable 1-6).

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Push Side - 140 degree opening.
			2. Application: Pull Side - 110 degree opening.

\*\* NOTE TO SPECIFIER \*\* Select Door Closer Function required and delete the one not required.

* + - 1. Closer Function: Standard adjustable closing force, adjustable closing and latch speed. Backcheck standard.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: SRI - Corrosion Inhibitor Prime Coat.
		1. 7900 Series Institutional Overhead Concealed Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7900 Catalog. DPS (Door Position Switch only available on 7970 series models.

* + - 1. Model: 79\_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Model: 79\_\_\_-\_\_\_-DPS-\_\_\_-\_\_\_-\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.

* + - 1. Power size: 0 (multi-size).
			2. Power size: 4.
			3. Power size: 5.
			4. Power size: 6.
			5. ANSI A156.4 Grade 1.
			6. UL Listed.
			7. Arm: Slide Track NHO 180 degree, HO 110 degree Max. Opening.

\*\* NOTE TO SPECIFIER \*\* Select Handing paragraph required and delete those not required.

* + - 1. Handing: Right Hand.
			2. Handing: Left Hand.
			3. Handing: As specified in the Door Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Door Closer Function required and delete the one not required.

* + - 1. Closer Function: Adjustable sweep and latch speeds. Adjustable backcheck positioning and cushioning.
			2. Closer Function: Adjustable Delayed Closing.

\*\* NOTE TO SPECIFIER \*\* Select Delay Time paragraph required and delete the other. Coordinate with door hardware schedule.

* + - * 1. Delay Time: 30 seconds max from 90 degree.
				2. Delay Time: As specified on the Door Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 605 - Bright Brass Plated.
			9. Finish: 606 - Satin Brass Plated
			10. Finish: 625 - Bright Chrome Plated.
			11. Finish: 626 - Satin Chrome Plated.
		1. 7570 Series Security Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7570/7770 Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-1/8 inch (54mm) projection.
			4. Power size: 1-6 (multi-size).
			5. All standard arm applications allow doors to swing up to 180 degrees, conditions permitting.
			6. ANSI A156.4 Grade 1.
			7. UL/cUL listed for use on fire rated doors
			8. UL10C listed for positive pressure fire test
			9. ADA compliant

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Regular Rigid Arm, Heavy Duty, Non-Hold Open.
			2. Application: Parallel Rigid Arm, Heavy Duty, Non-Hold Open.
			3. Application: Closer Plus Arm, Heavy Duty, Non-Hold Open or Hold Open.
			4. Application: Closer Plus Spring Arm, Heavy Duty, Non-Hold Open or Hold Open.
			5. Application: Unitrol Arm, Heavy Duty, Non-Hold Open .
			6. Application: Pull Slide Track.
			7. Application: Push Slide Track.

\*\* NOTE TO SPECIFIER \*\* Select Door Closer Function required and delete the one not required.

* + - 1. Closer Function: Standard adjustable sweep and backcheck intensity valves.
			2. Closer Function: Adjustable Delayed Closing.

\*\* NOTE TO SPECIFIER \*\* Select Delay Time paragraph required and delete the other. Coordinate with door hardware schedule.

* + - * 1. Delay Time: 30 seconds max from 90 degree.
				2. Delay Time: As specified in the Door Hardware Schedule.
			1. Closer Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
			2. Cover Material: Steel.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
			9. Finish: SRI - Corrosion Inhibitor Prime Coat.
			10. Finish: 605 - Bright Brass Plated.
			11. Finish: 606 - Satin Brass Plated.
			12. Finish: 611 - Bright Bronze Plated.
			13. Finish: 612 - Satin Bronze Plated.
			14. Finish: 613E - Dark Oxidized Satin Bronze, Equivalent
			15. Finish: 625 - Bright Chrome Plated.
			16. Finish: 626 - Satin Chrome Plated.
		1. 8000 Series Architectural Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 8000 Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-1/8 inch (54mm) projection -Standard resin covers.
			4. Power size: 1-6 (multi-size).
			5. All standard arm applications allow doors to swing up to 180 degrees, conditions permitting.
			6. ANSI A156.4 Grade 1.
			7. UL/cUL listed on fire rated doors.
			8. UL10C listed for positive pressure fire test.
			9. ADA compliant.
			10. Exceeds 15 million cycles (witnessed and verified by UL).

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Regular Arm - Non-Hold Open or Hold Open.
			2. Application: Top Jamb Arm- Non-Hold Open or Hold Open.
			3. Application: Parallel Arm - Non-Hold Open or Hold Open.
			4. Application: Parallel Rigid Arm - Heavy-Duty, Non-Hold Open or Hold Open.
			5. Application: Closer Plus Arm - Heavy-Duty Non-Hold Open or Hold Open.
			6. Application: Closer Plus Spring Arm - Heavy-Duty Non-Hold Open or Hold Open.
			7. Application: CloserPlus Ramp Arm - Heavy-Duty, Hold Open
			8. Application: Regular Rigid Arm - Heavy-Duty Non-Hold Open or Hold Open.
			9. Application: Parallel Unitrol Arm - Heavy-Duty Non-Hold Open or Hold Open.
			10. Application: Top Jamb Unitrol Arm - Heavy-Duty Non-Hold Open or Hold Open.
			11. Application: Pull Slide Track - Non-Hold Open or Hold Open.
			12. Application: Push Slide Track - Non-Hold Open or Hold Open.
			13. Application: Low Profile, Pull Slide Track - Non-Hold Open or Hold Open.
			14. Application: Low Profile, Push Slide Track - Non-Hold Open or Hold Open.
			15. Application: Low Profile Regular Arm.
			16. Application: Low Profile Parallel Arm.

\*\* NOTE TO SPECIFIER \*\* Select Door Closer Function required and delete the one not required.

* + - 1. Closer Function: Standard adjustable sweep latch and backcheck intensity valves.
			2. Closer Function: Adjustable Delayed Closing.

\*\* NOTE TO SPECIFIER \*\* Select Delay Time paragraph required and delete the other. Coordinate with door hardware schedule.

* + - * 1. Delay Time: 30 seconds max. from 90 degree.
				2. Delay Time: As specified in the Door Hardware Schedule.
			1. Closer Function: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select Cover Type required and delete the one not required.

* + - 1. Cover: Molded Resin 2-1/8 inch Std, "A" Arch. 2-1/4 inch.
			2. Cover: Metal. 2-3/16 inch Std, "MA" Arch. 2-3/16 inch.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
			9. Finish: SRI - Corrosion Inhibitor Prime Coat.
			10. Finish: 605 - Bright Brass Plated (8500M/8500MA).
			11. Finish: 606 - Satin Brass Plated. (8500M/8500MA).
			12. Finish: 611 - Bright Bronze Plated. (8500M/8500MA).
			13. Finish: 612 - Satin Bronze Plated. (8500M/8500MA).
			14. Finish: 613E - Dark Oxidized Satin Bronze, Equivalent.
			15. Finish: 619 - Satin Nickel Plated (8500M / 8500 MA).
			16. Finish: 625 - Bright Chrome Plated. (8500M/8500MA).
			17. Finish: 626 - Satin Chrome Plated. (8500M/8500MA).
		1. 1600BC, 1601 Series Utility / Storefront Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 9300BC Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-7/8 inch (73mm) projection.
			4. ANSI A156.4 Grade 1.
			5. UL/cUL listed on fire rated doors.
			6. UL10C listed for positive pressure fire test.
			7. ADA compliant (1601BF).
			8. Exceeds 12 million cycles (witnessed and verified by UL).

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.

* + - 1. Power size: 1.
			2. Power size: 1BF.
			3. Power size: 3.
			4. Power size: 4.
			5. All standard arm applications allow doors to swing up to 180 degrees conditions permitting.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Regular Arm - Non-Hold Open or Hold Open.
			2. Application: Top Jamb Arm - Non-Hold Open or Hold Open.
			3. Application: Corner Bracket Arm - Non-Hold Open or Hold Open.
			4. Application: Parallel Rigid Arm - Heavy Duty, Non-Hold Open or Hold Open.
			5. Application: Closer Plus Arm - Heavy Duty Non-Hold Open or Hold Open.
			6. Application: Parallel Unitrol Arm - Heavy Duty Non-Hold Open or Hold Open.
			7. Application: Top Jamb Unitrol Arm - Heavy Duty Non-Hold Open or Hold Open.
			8. Application: Low Profile Regular Arm.
			9. Application: Low Profile Parallel Arm.

\*\* NOTE TO SPECIFIER \*\* Select Door Closer Function required and delete the one not required.

* + - 1. Closer Function: Standard adjustable sweep latch and backcheck intensity valves.
			2. Closer Function: Adjustable delayed closing in lieu of backcheck.

\*\* NOTE TO SPECIFIER \*\* Select Delay Time paragraph required and delete the other. Coordinate with door hardware schedule.

* + - * 1. Delay Time: 30 seconds max from 90 degree
				2. Delay Time: As specified on the Door Hardware Schedule.
			1. Cover: (Resin).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
			9. Finish: SRI - Corrosion Inhibitor Prime Coat.
			10. Finish: 605 - Bright Brass (arm only)
			11. Finish: 606 - Satin Brass (arm only)
			12. Finish: 611 - Bright Bronze (arm only)
			13. Finish: 612 - Satin Bronze (arm only)
			14. Finish: 613E - Dark Oxidized Satin Bronze, Equivalent
			15. Finish 619 - Satin Nickel (arm only)
		1. 9300BC Series Light Commercial Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 9300BC Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-7/8 inch (73mm) projection.
			4. UL/cUL listed on fire rated doors.
			5. UL10C listed for positive pressure doors.

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.

* + - 1. Power size: 2.
			2. Power size: 3.
			3. Power size: 4.
			4. Power size: 5.
			5. All standard arm applications allow doors to swing up to 180 degrees, conditions permitting.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Regular Arm - Non-Hold Open or Hold Open.
			2. Application: Top Jamb Arm - Non-Hold Open or Hold Open.
			3. Application: Parallel Arm - Non-Hold Open or Hold Open.
			4. Closer Function: Standard adjustable sweep latch and backcheck intensity valves.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
		1. 1700 Series Light Commercial Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 1700 Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 2-1/8 inch (73mm) projection.
			4. UL/cUL listed on fire rated doors.
			5. UL10C listed for positive pressure doors.

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.

* + - 1. Power size: 1.
			2. Power size: 2.
			3. Power size: 3.
			4. Power size: 4.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Regular Arm - Non-Hold Open or Hold Open.
			2. Application: Top Jamb Arm - Non-Hold Open or Hold Open.
			3. Application: Parallel Arm - Non-Hold Open or Hold Open.
			4. Closer Function: Adjustable closing and latch speed. Adjustable backcheck cushioning.
			5. (Molded Full Cover).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
		1. 78B/F Series Traditional Door Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 78B/F Catalog.

* + - 1. Model: \_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. 3-1/2 inch (89mm) projection.
			3. Handed.
			4. ANSI A156.4 Grade 3.
			5. UL/cUL listed on fire rated doors.
			6. UL10C listed for positive pressure fire test.

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.

* + - 1. Power size: 2-4.
			2. Power size: 5-6.
			3. All standard arm applications allow doors to swing up to 180 degrees, trim permitting.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required.

* + - 1. Application: Regular Arm - Non-Hold Open or Hold Open.
			2. Application: Parallel Arm - Non-Hold Open or Hold Open.
			3. Application: Parallel Rigid Arm - Non-Hold Open or Hold Open.
			4. Application: Parallel Unitrol Arm. - Non-Hold Open or Hold Open.

\*\* NOTE TO SPECIFIER \*\* Select Door Closer Function required and delete the one not required. Delayed Closing only available on Regular Arm NHO model.

* + - 1. Closer Function: Standard adjustable sweep/latch speed and backcheck cushioning
			2. Closer Function: Adjustable Delayed Closing (Regular Arm, Non-Hold Open only).

\*\* NOTE TO SPECIFIER \*\* Select Delay Time paragraph required and delete the other. Coordinate with door hardware schedule.

* + - * 1. Delay Time: 20 Seconds Max from 90 degree.
				2. Delay Time: As specified on the Door Hardware Schedule.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
	1. ELECTROMECHANICAL DOOR CLOSERS
		1. 5700 Series Power Door Operator:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 5700 Catalog.

* + - 1. Model: 57-\_-\_-x-\_\_\_x\_\_\_\_.
			2. Power Input: 120VAC, 60Hz.
			3. Non-handed.
			4. 4-5/8 inch (117mm) projection.
			5. ANSI A156.4.
			6. ANSI A156.19.
			7. UL/cUL listed for use on fire rated doors.
			8. UL10C listed for positive pressure fire test.
			9. ADA compliant.

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.

* + - 1. Power size: 3-6.
			2. Power size: 1-4.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required. Rigid arm for Model 5710, Double Lever for 5730 and both for model 5740.

* + - 1. Application: Rigid Arm and Slide Track - Pull.
			2. Application: Double Lever Arm - Push.
			3. Application: Both Rigid Arm / Slide Track and Double Lever Arm.
			4. Closer Function: Standard adjustable sweep latch and backcheck intensity valves.
				1. Hold Open: Up to 30 seconds.
			5. Cover: Metal. (Aluminum Extrusion)

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.

\*\* NOTE TO SPECIFIER \*\* Select Required Accessories based on actuation requirements. Delete the paragraphs not applicable.

* + - 1. Motion Sensor.
			2. Key Fob Actuator
			3. Transmitter

\*\* NOTE TO SPECIFIER \*\* Select Required Switches based on actuation requirements. Delete the paragraphs not applicable.

* + - 1. 4-1/2 inch by 4-1/2 (114 mm by 114 mm) inch, square, 15 amp @ 125 VAC, stainless steel.
			2. 4-1/2 inch by 4-1/2 (114 mm by 114 mm) inch, square, 15 amp @ 125 VAC, blue powder coat with white letters.
			3. Door Switch: 6 inch by 6 inch (152 mm by 152 mm) - ADA Labeled "Push to Open".
			4. Door Switch: Hard Wired; 6 inch by 6 inch (152 mm by 152 mm) - Labeled "Push to Open".
			5. Door Switch: 433MHz Radio Frequency (RF); 6 inch by 6 inch (152 mm by 152 mm) - ADA Labeled "Push to Open" with required Radio Frequency (RF) Receiver Kit.
			6. Door Switch: 433MHz Radio Frequency (RF); 6 inch by 6 inch (152mm by 152mm) - Labeled "Push to Open" with required Radio Frequency (RF) Receiver Kit.
			7. Touchless wall switch single or double gang, Doppler radar.

\*\* NOTE TO SPECIFIER \*\* Select Sign(s) paragraph(s) required and delete those not required.

* + - 1. Signage: "Caution - Automatic Door".
			2. Signage: "Push to Operate"
			3. Signage: "Pull to Operate"
		1. 6000 Series Power Door Operator:

\*\* NOTE TO SPECIFIER \*\* Select the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7200 Catalog.

* + - 1. Model: 60\_\_-\_-\_\_\_\_-\_\_-\_\_-\_\_.

\*\* NOTE TO SPECIFIER \*\* Select Power Input paragraph required and delete those not required.

* + - 1. Power Input: 120VAC, 60Hz.
			2. Auxiliary Output: 24VDC @ 1.3A.
			3. Non-Handed.
			4. 4-1/2 inch (114mm) projection.
			5. ANSI A156.19.
			6. ETL tested to UL/cUL standards.
			7. UL10C listed for positive pressure.
			8. ADA compliant.
			9. Power size: 1-6.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete the one not required.

* + - 1. Application: Rigid Slide Arm and Track - (Pull).
			2. Application: Double Egress Slide Arm and Track - (Pull).
			3. Application: Double Lever Arm - (Push).
			4. Application: Heavy Duty Double Lever Arm - (Push).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.

\*\* NOTE TO SPECIFIER \*\* Select Required Accessories based on actuation requirements. Delete the paragraphs not applicable.

* + - 1. Motion Sensor.
			2. Transmitters.
			3. Key fob actuator.

\*\* NOTE TO SPECIFIER \*\* Select Required Switches based on actuation requirements. Delete the paragraphs not applicable.

* + - 1. 4-1/2 inch by 4-1/2 (114 mm by 114 mm) inch square, 15 amp @ 125 VAC, stainless steel.
			2. 4-1/2 inch by 4-1/2 (114 mm by 114 mm) inch square, 15 amp @ 125 VAC, blue powder coat with white letters.
			3. Door Switch: Hard Wired; 6 inch by 6 inch (152 mm by 152 mm) - ADA Labeled "Push to Open".
			4. Door Switch: Hard Wired; 6 inch by 6 inch (152 mm by 152 mm) - Labeled "Push to Open".
			5. Door Switch: 433MHz Radio Frequency (RF); 6 inch by 6 inch (152 mm by 152 mm) - ADA Labeled "Push to Open" with required Radio Frequency (RF) Receiver Kit.
			6. Door Switch: 433MHz Radio Frequency (RF); 6 inch by 6 inch (152mm by 152mm) - Labeled "Push to Open" with required Radio Frequency (RF) Receiver Kit.
			7. Touchless wall switch, single or double gang, Doppler radar.
			8. Switch post, hardwired.
			9. Switch post, battery operated with radio frequency transmitter.

\*\* NOTE TO SPECIFIER \*\* Select Sign(s) paragraph(s) required and delete those not required.

* + - 1. Signage: "Caution - Automatic Door".
			2. Signage: "Push to Operate".
			3. Signage: "Pull to Operate".
		1. 5900 Series Power Door Operator:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 5900 Catalog.

* + - 1. Model: 59\_\_\_-\_\_\_-\_\_\_-\_\_\_-\_\_\_.
			2. Non-handed.
			3. 4-3/4 inch (121mm) projection.
			4. Power input 120VAC, 60Hz.
			5. Current draw .75A.
			6. Compliant; ANSI A156.19.
			7. UL325 certified.
			8. UL10C listed for positive pressure fire test.
			9. ADA Compliant.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraphs required and delete those not required.

* + - 1. Application: Rigid Arm and Slide Track - 110 degree door swing with 1/8 inch (3 mm) reveal (Pull).
			2. Application: Double Egress Arm - 110 degree swing with 1/8 inch (3mm) reveal and 95 degree opening with 3 inch (76 mm) reveal (Pull).
			3. Application: Standard-Duty Double Lever Arm (Push).
			4. Operational Signs: Provided with unit.
			5. Closer Function: Standard adjustable sweep latch and backcheck intensity valves.

\*\* NOTE TO SPECIFIER \*\* Select Accessories required and delete the other. Coordinate with door hardware schedule.

* + - 1. Motion Sensor: Unidirectional with adjustable angle pattern.
			2. Switch Post: 4 inch by 6 inch by 40 inch (102mm by 152 mm by 1016mm) post.
			3. Switch Post with battery operated switch and radio frequency transmitter.
			4. Switch Post with hard wired switch.
			5. Activating Switch:
			6. Square Stainless steel with black letters, 4 inch by 4 inch (102mm by 102mm), 15amp @ 125VAC.
			7. Square Blue powder coat with white letters, 4 inch by 4 inch (102mm by 102mm), 15amp @ 125VAC.
			8. Square Stainless steel with blue letters, 6-5/8 by 6-5/8 inch (168 by 168 mm), 15amp @ 125VAC.
			9. Square Stainless steel with blue letters, 6-5/8 by 6-5/8 inch (168 by 168 mm), with radio frequency 9V battery.
			10. Rectangular Stainless steel with red button, 1-11/16 inch by 4-1/2 inch (43mm by 114mm), 15amp @ 125VAC. Fits 1-3/4 inch (44.5mm) door frame.
			11. Rectangular Stainless steel with black letters, 1-11/16 inch by 4-1/2 inch (43mm by 114mm), 15amp @ 125VAC. Fits 1-3/4 inch (44.5mm) door frame.
			12. Round Stainless steel with blue letters, 6 inch (152mm), 15amp @ 125VAC.
			13. Round Stainless steel with blue letters, 6 inch (152mm), with radio frequency.
			14. Rectangular Vestibule Stainless steel with blue letters, 1-1/16 inch by 4-1/2 inch (27mm by 114mm), 15amp @ 125VAC.
			15. Rectangular Vestibule Stainless steel with black letters, 1-1/16 inch by 4-1/2 inch (27mm by 114mm), 15amp @ 125VAC.
			16. Touchless Wall Switch, single or double gang, Doppler radar.
			17. Infrared Presence Detector, 24VAC/DC.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
		1. 7200 Series Electromechanical Closer:

\*\* NOTE TO SPECIFIER \*\* Select the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7200 Catalog.

* + - 1. Model: 72-\_-\_-\_\_\_\_-\_\_-\_\_-\_\_.

\*\* NOTE TO SPECIFIER \*\* Select Power Input paragraph required and delete those not required.

* + - 1. Power Input: 120VAC, 60Hz.
			2. Power Input: 24VAC/DC.

\*\* NOTE TO SPECIFIER \*\* Select Handing paragraph required and delete those not required.

* + - 1. Handing: Right Hand.
			2. Handing: Left Hand.
			3. Handing: As specified in the Door Hardware Schedule.
			4. 2-5/8 inch (67mm) projection.
			5. ANSI A156.15.
			6. UL/cUL listed for use on fire rated doors.
			7. UL10C listed for positive pressure.

\*\* NOTE TO SPECIFIER \*\* Select one of the Power Size paragraphs where Concealed Slide Arm (7290) is specified. Delete entirely if not required.

* + - 1. Power size: 3.
			2. Power size: 4.
			3. Power size: 5.
			4. Power size: 6.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete the one not required.

* + - 1. Application: Rigid Slide Arm and Track - (Pull).
			2. Application: Connected Free Swing Slide Arm and Track - (Pull).
			3. Application: Double Egress Slide Arm and Track - (Pull).
			4. Application: Overhead Concealed with Rigid Slide Arm and Track - (Pull).
			5. Application: Double Lever Arm - (Push).

\*\* NOTE TO SPECIFIER \*\* Select Closer Type paragraph required and delete the one not required.

* + - 1. Unit Type: Master; Suffix "MPDO".
			2. Unit Type: Slave/Support; Suffix "MPSO".
			3. Closer Function: Executive Door Release; Suffix "RFS"

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
		1. 7100SZ Series SafeZone Multi-Point Electromechanical Closer:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website or in the most current Norton 7100 Catalog.

* + - 1. Model: 71-\_-\_-\_\_\_\_-\_\_-\_\_-\_\_.

\*\* NOTE TO SPECIFIER \*\* Select Power Input paragraph required and delete those not required.

* + - 1. Power Input: 120VAC, 60Hz.
			2. Power Input: 24VAC/DC.

\*\* NOTE TO SPECIFIER \*\* Select Handing paragraph required and delete those not required.

* + - 1. Handing: Right Hand.
			2. Handing: Left Hand.
			3. Handing: As specified in the Door Hardware Schedule.
			4. 2-5/8 inch (67mm) projection.
			5. ANSI A156.15.
			6. UL/cUL listed for use on fire rated doors.
			7. UL10C listed for positive pressure fire test.
			8. ADA compliant. (7122SZ, 7132SZ, 7113SZ, 71535Z
			9. Fail Safe solenoid will de-energize in the event of power failure.
			10. All standard arm applications allow doors to swing up to 180 degrees.

\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete the one not required.

* + - 1. Application: Rigid Slide Arm and Track - (Pull).
			2. Application: Double Egress Slide Arm and Track - (Pull).
			3. Application: Double Lever Arm - (Push).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
		1. 7700 Series Power Track Electromechanical Closer-Holder:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website.

* + - 1. Model: \_-\_\_\_\_-\_\_\_-\_\_-\_\_\_.

\*\* NOTE TO SPECIFIER \*\* Select Power Input paragraph required and delete those not required.

* + - 1. Power Input: 120VAC, 60Hz.
			2. Power Input: 24VAC/DC.
			3. Non-Handed (Except double egress arm)
			4. 2-1/8 inch (54mm) projection.
			5. ANSI A156.15.
			6. UL/cUL listed for use on fire rated doors.
			7. UL10C listed for positive pressure fire test.
			8. Power size: 5.
			9. All arm applications allow doors to swing 85 degree to 110 degree.
			10. Application: Single Point Hold Open Telescoping Arm.

\*\* NOTE TO SPECIFIER \*\* Select Closer Type paragraph required and delete those not required.

* + - 1. Unit Type: Master. Suffix "PTDO"
			2. Unit Type: Support. Suffix "PTO"
			3. Unit Type: Double Egress. Suffix "DE"

\*\* NOTE TO SPECIFIER \*\* Select Closer Function paragraph required and delete the one not required.

* + - 1. Closer Function: Single Point Hold Open.
			2. Closer Function: Executive Door Release.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.
			4. Finish: 691 - Dull Bronze.
			5. Finish: 693 - Black.
			6. Finish: 694 - Medium Amber.
			7. Finish: 696 - Gold.
			8. Finish: 600 - Beige Prime Coat.
			9. Finish: SRI - Corrosion Inhibitor Prime Coat.
		1. 5600 Series Power Door Operator:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website.

* + - 1. Model: 5-\_-\_-x-\_\_\_x\_\_\_\_.
			2. Power Input: 120VAC, 60Hz.
			3. Non-handed.
			4. Cover projection: 4-3/8 inch (111 mm).
			5. ETL certified; conforms to ANSI/UL standard 325 for automatic doors.
			6. ADA Compliant.
			7. ANSI A156.19.

\*\* NOTE TO SPECIFIER \*\* Select Power Size paragraph required and delete those not required.
\*\* NOTE TO SPECIFIER \*\* Select Application paragraph required and delete those not required. Rigid arm for Model 5710, Double Lever for 5730 and both for model 5740.

* + - 1. Application: Rigid Arm and Slide Track - Pull.
			2. Application: Double Lever Arm - Push.
			3. Cover: Metal. (Aluminum Extrusion).

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 689 - Aluminum.
			3. Finish: 690 - Statuary Bronze.

\*\* NOTE TO SPECIFIER \*\* Select Required Accessories and Switches based on actuation requirements. Delete the paragraphs not applicable.

* + - 1. Transmitters

\*\* NOTE TO SPECIFIER \*\* Select Required Switches based on actuation requirements. Delete the paragraphs not applicable.

* + - 1. 4-1/2 inch by 4-1/2 (114 mm by 114 mm) inch square, 15 amp @ 125 VAC, stainless steel.
			2. 4-1/2 inch by 4-1/2 (114 mm by 114 mm) inch square, 15 amp @ 125 VAC, blue powder coat with white letters.
			3. Rectangular Vestibule Stainless steel with blue letters, 1-1/16 inch by 4-1/2 inch (27 mm by 114 mm), 15amp @ 125VAC.
			4. Rectangular Vestibule Stainless steel with black letters, 1-1/16 inch by 4-1/2 inch (27 mm by 114 mm), 15amp @ 125VAC.
			5. Infrared Presence Detector, 24VAC/DC.
			6. Door Switch: Hard Wired; 6 inch by 6 inch (152 mm by 152 mm) - ADA Labeled "Push to Open".
			7. Door Switch: Hard Wired; 6 inch by 6 inch (152 mm by 152 mm) - Labeled "Push to Open".
			8. Door Switch: 433MHz Radio Frequency (RF); 6 inch by 6 inch (152 mm by 152 mm) - ADA Labeled "Push to Open" with required Radio Frequency (RF) Receiver Kit.
			9. Door Switch: 433MHz Radio Frequency (RF); 6 inch by 6 inch (152 mm by 152 mm) - Labeled "Push to Open" with required Radio Frequency (RF) Receiver Kit.
			10. Touchless wall switch, single or double gang, Doppler radar.

\*\* NOTE TO SPECIFIER \*\* Select Sign(s) paragraph(s) required and delete those not required.

* + - 1. Signage: "Caution - Automatic Door".
			2. Signage: "Push to Operate".
			3. Signage: "Pull to Operate" .
		1. 5800 ADAEZ Operator:

\*\* NOTE TO SPECIFIER \*\* Select one of the next two paragraphs and insert Model number based on the numbering guidelines found on the Norton Controls Website.

* + - 1. Model: 58-\_\_-\_-x-\_\_\_x\_\_\_\_.
			2. Non-handed.
			3. ETL tested to UL/cUL standard.
			4. Complies with requirements for ADA.
			5. Regenerative power system (PRO) or 24VDC powdered unit (PRO PLUS) available.
			6. Push or pull side mounting.
			7. Wall switches: Narrow style or Square, included with operator.

\*\* NOTE TO SPECIFIER \*\* Select Finish(s) based on the following options available for the selected Closer. Delete the paragraphs not required.

* + - 1. Finish: As specified in the Door Hardware Schedule.
			2. Finish: 693T - Black.
			3. Finish: 689 - Aluminum.
1. EXECUTION
	1. EXAMINATION
		1. Do not begin installation until substrates have been properly prepared.
		2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
	2. PREPARATION
		1. Clean surfaces thoroughly prior to installation.
		2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
	3. INSTALLATION
		1. Install in accordance with manufacturer's instructions.
	4. PROTECTION
		1. Protect installed products until completion of project.
		2. Touch-up, repair or replace damaged products before Substantial Completion.
	5. SCHEDULES

\*\* NOTE TO SPECIFIER \*\* Retain Paragraph below if required to suit project requirements. Identify products by name on the Drawings or use this paragraph to define the location of each type of material to be used. The following are some examples of schedule references. Edit as required to suit project or delete and identify products on the Drawings.

* + 1. :
		2. :

END OF SECTION