

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

BID DOCUMENTS

REPLACEMENT OF EMERGENCY DOORS AT METRORAIL AND METROMOVER STATIONS

RPQ NO. TP-0000020837-R

STANDARD GENERAL CONTRACT CONDITIONS

ATTACHMENT “ A “

Certificate of Acceptance for Substantial Completion

Certificate of Final Acceptance

CERTIFICATE OF ACCEPTANCE FOR SUBSTANTIAL COMPLETION

RPQ No.: _____

Date : _____

Description : _____

Address : _____

Contractor : _____

Consultant : _____

Surety : _____

*The work performed under the subject Contract has been reviewed, and subject to the Contract requirements of **Article 29, Substantial Completion, Final Inspection and Acceptance**, all remaining work has been found to be Substantially Completed as of _____.*

*A **Punch List** of items to be completed or corrected, is appended hereto.*

*In the event that the Work, including the Punch List items, is not corrected by the Contract Completion date, the Contract stipulations regarding **Liquidated Damages** will be imposed until such time as the work is certified by the County's Resident Engineer or its Consultant and the Director, MDT to be complete in all respects and a **Certificate of Final Acceptance** is issued.*

(COMPANY SEAL)

Signed : _____

Contractor

Recommended : _____

Resident Engineer/Project Manager

Recommended : _____

Chief, Construction

Certificate of Final Acceptance

RPQ No.:

Description:

Address:

Contractor:

Consultant:

Surety:

The **UNDERSIGNED** hereby certify that, to the best of our knowledge and belief, based on observations of the punch list work required under the terms of the Agreement, we have found that the Work items identified in the **PUNCH LIST**, dated _____ (**"PUNCH LIST"**) were completed as of _____. We therefore recommend that the **FINAL ACCEPTANCE DATE** be established as: _____

Notwithstanding the above, this Certificate shall not be construed as a finding regarding whether work performed on this Contract was done in accordance with all applicable Contract requirements, and the County expressly reserves all of its rights and claims under the Contract, or otherwise, to seek recovery or indemnity for any defects in materials, equipment, or workmanship, or for non-conformance with any Contract requirements.

Recommended : _____

Resident Engineer/Project Manager

Recommended : _____

Chief, Construction

:

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

BID DOCUMENTS

REPLACEMENT OF EMERGENCY DOORS AT METRORAIL AND METROMOVER STATIONS

RPQ NO. TP-0000020837-R

STANDARD GENERAL CONTRACT CONDITIONS

ATTACHMENT “ B “

Contractor Release

Agreement on Final Quantities and Amounts

Final Affidavit

Labor Standards Provisions Final Certificate

Memorandum of Understanding

Certificate of Sub-Contractor Status

Final Release of Lien

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

CONTRACTOR RELEASE

RPO No.:

KNOW ALL MEN BY THESE PRESENTS : Pursuant to the terms of the Contract and in consideration of the sum of _____ paid by the *Miami-Dade County* under the Contract, the undersigned Contractor does, and by the receipt of said sum shall, for itself, its successors and assigns, remise, release and forever discharge MDC, its officers , agents and employees, of and from all liabilities, obligations, and claims whatsoever, in law and in equity, under or arising out of said Contract.

IN WITNESS WHEREOF, this release has been executed this _____ day of _____, 20____

(*COMPANY SEAL*)

Contractor

Signature

WITNESS :

Print Name : _____
Print Title : _____

NOTE : In the case of a corporation, witnesses are not required , but the *CERTIFICATE* below must be completed.

CERTIFICATE

I, _____, certify that I am the *Secretary* of the corporation named as Contractor in the foregoing release; that _____ who signed said release on behalf of the Contractor, was then _____ of said Corporation; that said release was duly signed for and on behalf of said corporation under the authority of its governing body, and within the scope of its corporate powers.

(*CORPORATE SEAL*)

Signature

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

AGREEMENT

ON

FINAL QUANTITIES AND AMOUNTS

RPO No.:

The Contractor and Resident Engineer agree that the **QUANTITIES** as shown on the **FINAL PAY REQUEST No.** are **EQUITABLY** paid for by application of the agreed **LUMP SUM PRICES**.

It is finally agreed that the right in the Contract clause to request negotiation of a different amount is **WAIVED** by the Contractor and the Authorized Representative of the Contracting Officer.

(Company Seal)

Contractor

Signature

Print Name

Print Title

Date

Resident Engineer

Print Name

Date

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

FINAL AFFIDAVIT

RPQ No.:

The undersigned Contractor, _____, certifies and warrants to ***Department of Transportation and Public Works*** that _____ has paid in full and completely discharged any and all claims, demands, obligations and liabilities of _____ in connection with or arising out of ***RPQ No.*** _____, including without limitation, all claims for labor performed and materials, supplies, equipment and other items furnished or used in connection with performance of said Contract.

(COMPANY SEAL)

Contractor : _____

Signature : _____

Print Name : _____

Print Title : _____

Date : _____

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

LABOR STANDARDS PROVISIONS

FINAL CERTIFICATE

RPO No.:

The undersigned Contractor, _____, hereby certifies that all laborers, mechanics, apprentices and trainees employed by him or by any Subcontractor performing work under the Contract on the project have been paid *wages at rates no less than those required by the Contract provisions*, and that the work performed by each laborer, mechanic, apprentice or trainee conformed to the classifications set forth in the Contract or training program provisions applicable to the wage rate paid.

EXCEPTION (S) :

Contractor : _____

(COMPANY SEAL)

Signature : _____

Print Name : _____

Print Title : _____

Date : _____

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

MEMORANDUM OF UNDERSTANDING

RPO No.:

WHEREAS, _____, (hereafter referred to as the " Contractor ") and the *Miami-Dade Transit*, the parties hereto, have mutually agreed to the **total Contract amount** in the sum of _____ and a final payment of _____ for a **COMPLETE CLOSE-OUT** of *RPQ No.*

It is understood and expressly agreed that :

- (1) This Memorandum of Understanding is subject to the recommendations of the Assistant Director and the Director of Miami-Dade Transit.
- (2) In consideration of the payment by MDT of a **total Contract amount** of _____, (inclusive of all finalized Change Orders), the Contractor hereby withdraws with prejudice all Claims, Disputes, and Appeals of the Contractor or any of its Subcontractors or Suppliers under the subject Contract. MDT likewise, withdraws with prejudice, all Claims and/or Backcharges it has against the Contractor.
- (3) The retention withheld in *Pay Request No.* _____ is _____ and will be paid in full. Therefore, the Contractor acknowledges the final payment of _____ in *Pay Request No.* _____ as the outstanding balance due to date on the Contract.
- (4) MDT reserves the right to complete an audit upon the request of the Assistant Director, Engineering Services when warranted.
- (5) All terms and conditions of the Contract otherwise remain unchanged including the Contractor's liabilities for warranties, latent defects and the like.
- (6) The execution of this Memorandum and payment in accordance with these terms, and the finalized Contract Change Orders, shall constitute a full accord and satisfaction of all Claims and all rights of the parties against each other, except for claims of the Owner for latent defects discussed after the date of this Memorandum or for warranty items.

(COMPANY SEAL)

Contractor : _____

Signature : _____

Print Name : _____

Print Title : _____

Date : _____

RECOMMENDED

By : _____

Resident Engineer/Project Manager

By : _____

Chief, Construction Division

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

CERTIFICATE OF SUB-CONTRACTOR STATUS

This is to certify that the following is a complete list of sub-contractors who worked on

RPO No.:

Name	Description of work	Original Contract Amount	Paid to date	Amount Owed

(COMPANY SEAL)

Contractor

Signature

Print Name & Title

Date

ALL SUBCONTRACTORS WORKING ON THIS PROJECT MUST COMPLETE THIS FORM.

FINAL RELEASE OF LIEN

KNOW ALL PERSONS BY THESE PRESENTS:

That the undersigned, for and in consideration of the payment of the sum of _____ and _____ /100 dollars (\$ _____) paid by the _____ receipt of which is hereby acknowledged, hereby releases and quit claims to the said _____ it successors and assigns, and _____ the owner, all liens, lien rights, claims or demands of any kind whatsoever, which the undersigned now has or might have against the building or premises legally _____ described _____ as _____ on account of labor performed and/or material furnished for the construction of any improvements thereon. That all labor and materials used by the undersigned in the erection of said improvements have been fully paid for.

IN WITNESS THEREOF, I have hereunto set my hand seal this _____ day of _____, 20____.

WITNESSES:

_____ (SEAL)

By _____

State of _____)
) ss

County of _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by _____ on behalf of _____ [] who is personally known to me or [] who has produced _____ as identification and who [] did [] did not take an oath.

Notary Signature: _____

Notary Seal:



Type or Print Name: _____

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

BID DOCUMENTS

REPLACEMENT OF EMERGENCY DOORS AT METRORAIL AND METROMOVER STATIONS

RPQ NO. TP-0000020837-R

STANDARD GENERAL CONTRACT CONDITIONS

ATTACHMENT "C"

Sub-Contractor's/Supplier's Release of Claim

Consent of Surety Company to Requisition Payment

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
SUBCONTRACTOR'S / SUPPLIER'S RELEASE OF CLAIM

NOTE: The General Contractor shall attach this statement, completed by each Subcontractor whose work appears on the prior requisition for payment or has work in place since the last requisition for payment.

Project No.: _____ Date: _____

Project Title: _____

Subcontractor:

Requisition No.: _____ From: _____ To: _____

Before me, the undersigned authority, authorized to administer oaths and take acknowledgments appeared: _____ who, after being first duly sworn, upon oath, deposes and says that pursuant to the provisions of his contract for said project, all money due him under prior requisitions for payment have been paid to him by _____, the General Contractor.

(COMPANY SEAL)

Legal Name of Subcontractor

Title

Signature

State of _____)

) ss

County of _____)

The foregoing instrument was acknowledged before me this _____ day of _____, 20__ by _____ on behalf of _____.

[] who is personally known to me or [] who has produced _____ as identification and who [] did [] did not take an oath.

Notary Signature: _____

Type or Print Name: _____

Notary Seal:

PROJECT RPQ No.: TP-20837-R



CONSENT OF SURETY COMPANY TO REQUISITION PAYMENT



PROJECT No. _____

PROJECT TITLE: _____

PROJECT LOCATION: _____

TO: _____ Re: PAY REQUEST No. _____ DATE: _____

IN THE AMOUNT OF: _____

CONTRACTOR: _____ RPQ No. _____

THE UNDERSIGNED SURETY COMPANY _____,

(INSERT NAME OF SURETY COMPANY)

_____, ON BOND OF

(ADDRESS)

THE CONTRACTOR LISTED ABOVE, HEREBY APPROVES THIS PAYMENT TO THE CONTRACTOR AND AGREES THAT THE PAYMENT TO THE CONTRACTOR SHALL NOT RELIEVE THE SURETY COMPANY OF ANY OF ITS OBLIGATIONS TO MIAMI-DADE COUNTY, INCLUDING THE SECURITY FROM ANY AND ALL LIENS, CLAIMS OR DEMANDS WHATSOEVER THAT MAY NOW EXIST OR BE MADE IN THE FUTURE BY ANY SUB-CONTRACTOR OR MATERIAL SUPPLIERS AGAINST THIS PROJECT AND CONTRACT.

THIS CONSENT OF SURETY RECOGNIZES THAT CLAIMS HAVE BEEN MADE BY THE FOLLOWING SUB-CONTRACTORS AND MATERIAL SUPPLIERS AGAINST THE CONTRACT IN THE AMOUNTS LISTED BELOW:

_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____
_____	\$ _____

SURETY RECOGNIZES THAT RELEASES OF LIEN OR RELEASES AND ASSIGNMENT OF CLAIM HAVE NOT BEEN REQUESTED OR RECEIVED FROM ALL THE SUB-CONTRACTORS AND MATERIAL SUPPLIERS FOR THIS FACILITY.

IN WITNESS THEREOF,

THE SURETY COMPANY HAS HEREUNTO SET ITS HAND THIS _____ DAY OF _____, 20____.

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

BID DOCUMENTS

REPLACEMENT OF EMERGENCY DOORS AT METRORAIL AND METROMOVER STATIONS

RPQ NO. TP-0000020837-R

STANDARD GENERAL CONTRACT CONDITIONS

ATTACHMENT "D"

"Contractor Agent to Accept Service"



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

CONTRACTOR AGENT TO ACCEPT SERVICE

RPQ No.: _____

DATE: _____

CONTRACT TITLE: _____

CONTRACTOR: _____

NOTICE TO PROCEED (NTP) DATE: _____

CONTRACTOR ADDRESS: _____

CONTRACTOR TELEPHONE No.: _____

AGENT'S NAME: _____

AGENT'S TITLE: _____

AGENT'S ADDRESS: _____

AGENT'S TELEPHONE No. _____

Contractor Corporate Representative

Submitted By: _____

SIGNATURE

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

BID DOCUMENTS

REPLACEMENT OF EMERGENCY DOORS AT METRORAIL AND METROMOVER STATIONS

RPQ NO. TP-0000020837-R

STANDARD GENERAL CONTRACT CONDITIONS

ATTACHMENT "E"

Force Account Daily Report:
Labor, Material & Equipment

FORCE ACCOUNT DAILY REPORT:

DATE: _____



CONTRACTOR: _____

CONTRACT No. _____ REPORT No. _____

CONTRACT CHANGE NOTICE / MDT LETTER: _____ PAGE No. _____ of _____

IMPORTANT-THIS FORM MUST BE SIGNED AND SUBMITTED NOT LATER THAN THE DAY FOLLOWING DATE WORK WAS PERFORMED.

The following work was performed this date requiring the use of the Labor Force, Materials, Equipment, Special Forces and Services listed hereon:

Description of work performed:

LABOR					EQUIPMENT					
NAME	CRAFT	HRRAT	HOURS	TOTALS	MAKE	MODEL	DESCRIPTION	HOURS	RATE	EXT.

CERTIFIED CORRECT BY: _____ DATE _____

MATERIAL INVOICE ON UNIT PRICES TO BE PROVIDED.

QUAN.	UNIT	DESCRIPTION	MATERIALS	RECAP
				LABOR
				MATERIALS
				EQUIPMENT

CERTIFIED CORRECT BY: _____ DATE _____

TOTAL THIS SHEET

FOR ENGINEER'S USE

APPROVED AS TO SUBSTANCE

EXTENSION OF LABOR, MATERIAL & EQUIPMENT VERIFIED BY:

BY: _____
RESIDENT ENGINEER DATE _____

INSPECTOR _____ DATE _____

DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
BID DOCUMENTS

REPLACEMENT OF EMERGENCY DOORS AT METRORAIL AND METROMOVER STATIONS

RPQ NO. TP-0000020837-R

TECHNICAL SPECIFICATIONS

DIVISION 01

SECTION

01 11 00	Summary of Work
01 32 16	Project Schedule
01 43 00	Quality Assurance Requirements
01 62 00	Substitutions and Product Options
01 78 36	Warranties

NORTH STATIONS**TYPE****MATERIAL****NORTHSIDE (4)**

3150 NW 79th St

Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel

MARTIN L. KING, JR. (4)

6205 NW 27th Ave

Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel

BROWNSVILLE (4)

5200 NW 27TH Ave

Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel

EARLINGTON HEIGHTS (3)

2100 NW 41st St

Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel

ALLAPATTAH (2)

3501 NW 12th Ave

Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel

SANTA CLARA (4)

2050 NW 12th Ave

Emergency Door	SINGLE DOOR	Stainless Steel
Emergency Door	SINGLE DOOR	Stainless Steel

Emergency Door
Emergency Door

SINGLE DOOR **Stainless Steel**
SINGLE DOOR **Stainless Steel**

OVERTOWN (3)
100 NW 6th St
Emergency Door
Emergency Door
Emergency Door

DOUBLE DOOR **Stainless Steel**
SINGLE DOOR **Stainless Steel**
SINGLE DOOR **Stainless Steel**

Single Doors

23

Double Door

1

Total Doors

24

SOUTH STATIONS**TYPE****MATERIAL****SOUTH MIAMI (2)**

5801 S. Dixie Hwy

Emergency Door

SINGLE DOOR**Stainless Steel**

Emergency Door

SINGLE DOOR**Stainless Steel****DOUGLAS ROAD (2)**

3100 Douglas Rd/ 110 Ruiz Avenue

Emergency Door

SINGLE DOOR**Stainless Steel**

Emergency Door

SINGLE DOOR**Stainless Steel****VIZCAYA (2)**

3205 SW 1st Ave

Emergency Door

SINGLE DOOR**Stainless Steel**

Emergency Door

SINGLE DOOR**Stainless Steel****BRICKELL (4)**

785 SW 1st Ave

Emergency Door

SINGLE DOOR**Stainless Steel**

Emergency Door

SINGLE DOOR**Stainless Steel**

Emergency Door

SINGLE DOOR**Stainless Steel**

Emergency Door

SINGLE DOOR**Stainless Steel****SINGLE DOORS****10****TOTAL DOORS****10**

METROMOVER DOORS TO BE REPLACED

VISIT	QTY	<u>Metromover Stations</u>
1		Government Center Mover Station.
	3	SINGLE DOOR Stainless Steel
	2	DOUBLE DOORS Stainless Steel
2		Third Street Mover Station.
	1	SINGLE DOOR Stainless Steel
3		Riverwalk Mover Station.
	4	SINGLE DOOR Stainless Steel
4		Fifth Street Mover Station.
	4	SINGLE DOOR Stainless Steel
5		Tenth Street Promenade Mover Station.
	1	SINGLE DOOR Stainless Steel
6		Brickell Mover Station.
	1	SINGLE DOOR Stainless Steel
	1	DOUBLE DOOR Stainless Steel
7		Financial District Mover Station.
	2	SINGLE DOORS Stainless Steel
8		Knight Center Mover Station.
	1	SINGLE DOOR Stainless Steel
9		Bayfront Park Mover Station.
	1	SINGLE DOOR Stainless Steel
10		First Street Mover Station.
	2	SINGLE DOORS Stainless Steel

METROMOVER DOORS TO BE REPLACED

VISIT QTY	<u>Metromover Stations</u>
11	College / Bayside Mover Station.
1	SINGLE DOOR Stainless Steel
12	Eleventh Street Mover Station.
2	SINGLE DOORS Stainless Steel
13	Museum Park Mover Station.
2	SINGLE DOORS Stainless Steel
14	Adrienne Arsht Center Mover Station.
2	SINGLE DOORS Stainless Steel
1	DOUBLE DOOR Stainless Steel
15	College North Mover Station.
2	SINGLE DOORS Stainless Steel
16	Wilkie D. Ferguson, Jr. Mover Station.
2	SINGLE DOORS Stainless Steel
17	Miami Avenue Mover Station.
2	SINGLE DOORS Stainless Steel

Single Doors 33

Double Doors 4

Total Doors 37

SECTION 01 32 16

PROJECT SCHEDULE

1.01 DESCRIPTION:

- A. This section covers the preparation of a schedule in the Cost Loaded Construction in the Critical Path Method (CPM). The Contractor will be allowed to use his preferred scheduling system, if approved by DTPW. If the Contractor wishes to propose his own system, he shall so request prior to the required submittal time tables listed in this section.
- B. Final Schedule:
 - 1. A bar chart schedule shall be used by the Contractor to control the progress and time fixed for completion of this project. This system shall be implemented by the Contractor. Prior to approval of the final construction schedule, the Contractor shall provide work with letters from all his sub-contractors and suppliers indicating that they have reviewed the Contractor's schedule and concur with the sequence of events, activity durations and rates of production implied therein.
 - 2. All work shall be done in accordance with the schedule and all costs incurred by the Contractor to correctly implement the schedule shall be borne by the Contractor and are a part of his Contract.
 - 3. The schedule must be updated monthly and submitted with the Contractor's pay request. No payment will be made to the Contractor unless this monthly updated schedule and progress report is submitted with the Contractor's pay request. Even if no invoice is submitted in a particular month, the Contractor shall submit monthly schedule updates and progress reports to the satisfaction of work.

2.01 PREPARATION OF FINAL SCHEDULE:

- A. Within five (5) working days after the date of Notice to Proceed (NTP), such as FP the Contractor shall develop and submit a comprehensive and detailed final schedule. Work performed prior to NTP shall not be allowed under this Contract.
- B. When completed, the bar chart diagram shall represent the Contractor's own plan for the project as well as the sequence of each operation and all the involved parties. The schedule shall also identify the project's critical path. It shall be the responsibility of the Contractor to ensure that all of this work is described by the diagram and that the diagram does correctly represent the sequence in which he plans to do his work and the time in which he expects to do it.
- C. As a minimum, the final schedule will cover the following areas:
 - 1. Shop drawing preparation, review and approval

2. Procurement of major equipment, material and/or long-lead items
3. Permit acquisition activities
4. Material samples, as applicable
5. Material delivery
6. All major work elements as approved by the Engineer
7. Testing
8. Substantial Completion
9. Punch list activities
10. Rates of Production
11. Submittals
12. Work Elements by other &L, AT&T, etc...

- D. The final schedule will be printed on a 11" x 17" sheet suitable for reproduction. The Contractor will submit three (3) copies of this schedule.
- E. A written narrative on separate 8 1/2" x 11" sheets will be included with the Contractor's final schedule. This narrative will describe the Contractor's general approach for performing the work and any additional or unusual requirements not clearly represented in the schedule including, but not limited to, equipment to be used and the time equipment is to be on-site, anticipated delivery dates for material and/or equipment, crews and crew sizes, estimated quantities and rates of production. The narrative shall explain the basis for the Contractor's determination of durations for major work items and describe his approach for meeting the interim and final completion dates in his schedule. The narrative shall also address workdays per week, hours per shift, rain days, holidays or any other non-work periods that the Contractor is assuming in the planning of the work. Activities which may be expedited by the use of overtime or additional shifts shall be identified. Sequencing and other restraints such as manpower, material or equipment shall be identified and explained.
- F. When completed, the final schedule shall be submitted to work for their approval. The Contractor shall incorporate work schedule review comments within ten (10) working days after receipt. DTPW shall be the final authority in deciding the acceptability of the schedule. Upon approval work, this shall become the Final Schedule for the Contract. No deviations from the final schedule will be allowed without the prior written approval of DTPW.
- G. The Contractor shall identify all available float or slack time in his schedule in a format suitable to DTPW. Float or slack time is not for the exclusive use or benefit of either the Contractor or work. Float or slack time is considered project float as it is for the benefit of both parties. As such, it is not to be used exclusively by either party, but is to be used by the party that needs it first. No more than 15% to 25% of the activities in the Contractor's

schedule may be on or near the critical path ("Near the critical path" is defined as any activity having float of ten (10) days or less).

3.01 MONTHLY SCHEDULE UPDATES:

- A. The Contractor shall submit monthly schedule updates to show progress, as applicable, on all activities in progress. Such progress shall be shown in a format suitable to DTPW. Three (3) 11" X 17" copies of the updated schedule shall be submitted by the Contractor.
- B. The Contractor shall submit an updated narrative in the form of monthly progress reports in a format acceptable to work. Such reports shall include sections for describing "progress this period", "planned progress for next period", "problems and solutions" (including a listing of all delayed activities, the reasons for delay and proposed recovery actions) and "changes since last period". Any special concerns and or questions regarding the schedule should also be included in the progress report. Information included in the updated narrative will not relieve the Contractor of the notice requirements contained in the Contract documents. As applicable, signed material delivery tickets indicating when material was delivered on-site or to the fabrication plant will be provided with the narrative on a monthly basis.
- C. The Contractor shall submit on a weekly basis a simplified two-week look-ahead bar chart schedule showing all anticipated work scheduled to take place during the next fourteen (14) calendar days. This two-week look-ahead schedule shall be based on the approved baseline schedule.

4.01 PAY REQUESTS:

- A. The Contractor's pay request shall be based on completed activities and shall include an update of the final schedule. The Contractor will not be eligible to receive payment until his Contract baseline schedule and schedule of values is approved and no payment will be made to the Contractor unless this schedule update and schedule of values is submitted with the pay request.
- B. 5% of each Contractor's pay request amount will be held as retainage.
- C. All Contractor pay requests will be submitted in a form suitable to DTPW based on the approved schedule of values under the contract.
- D. No payment will be made to the Contractor for uncompleted activities.

5.01 MEASUREMENT AND PAYMENT:

- A. Work under this section will be paid for as part of the lump sum bid item unit prices in the bid form under this contract.

BASELINE NARRATIVE FORM FOR BAR CHART SCHEDULES

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

1. Contractor's general approach for completing the work:

Including but not limited to any additional or unusual requirements not clearly represented in the schedule, the basis for the Contractor's determination of durations for major work items and his approach for meeting the interim and final completion dates in his schedule.

Use additional sheets if necessary.

2. Equipment to be used:

Including time that the equipment is to be on-site. Use additional sheets if necessary.

BASELINE NARRATIVE FORM FOR BAR CHART SCHEDULES

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

3. Anticipated delivery dates for material/equipment:

Use additional sheets if necessary.

4. Crews and Crew Sizes:

Use additional sheets if necessary.

5. Rates of Production and Estimated Quantities:

Use additional sheets if necessary.

BASELINE NARRATIVE FORM FOR BAR CHART SCHEDULES

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

6. Work Days per week/Hours per Shift:

Use additional sheets if necessary.

7. Non-work Periods assumed in the planning of the work:

Including holidays, rain days and any other non-work period assumed by the Contractor.

Use additional sheets if necessary.

8. Activities which may be expedited by the use of overtime or additional shifts:

Use additional sheets if necessary.

BASELINE NARRATIVE FORM FOR BAR CHART SCHEDULES

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

9. Sequencing and other restraints affecting the work:

Including manpower, material and equipment restraints. Use additional sheets if necessary.

MONTHLY SCHEDULE UPDATE NARRATIVE FORM FOR BAR CHART
SCHEDULES

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

1. Progress This Period:

Including all activities started, completed or in progress and signed material delivery tickets indicating when material was delivered on-site or to the fabrication plant as applicable.

Use additional sheets if necessary.

2. **Planned Progress for Next Period:**

Use additional sheets if necessary.

**MONTHLY SCHEDULE UPDATE NARRATIVE FORM FOR BAR CHART
SCHEDULES**

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

ii. **Problems and Solutions:**

Including a listing of all delayed activities, the reasons for delay and proposed recovery actions. Use additional sheets if necessary.

- iii. **Changes Since Last Period:**
Use additional sheets if necessary.

MONTHLY SCHEDULE UPDATE NARRATIVE FORM FOR BAR CHART
SCHEDULES

Contract Title: _____

Contract No.: _____

Contractor: _____

Baseline and/or Update No.: _____

- iv. **Special Concerns and/or Questions regarding the Schedule:**
Use additional sheets if necessary.



END OF SECTION

SECTION 01 43 00

QUALITY CONTROL REQUIREMENTS

1.0: QUALITY CONTROL

The Contractor shall develop and submit an effective Quality Control Plan (QCP) to assure adequate quality throughout all phases of the Contract Work and shall describe the methods used and means employed for the implementation of the plan. The QCP shall ensure compliance with the requirements of the contract documents within the Contractor's, subcontractor's and supplier's organizations.

A QCP template shall be attached to the contract documents to be used as guidance in the development of the Contractor's QCP.

2.0: ORGANIZATION

- 2.1 Personnel performing Quality Control (QC) functions shall have sufficient, well-defined responsibility, authority and the organizational freedom to identify and evaluate quality problems, and to initiate, recommend or provide solutions.
- 2.2 The Contractor's QCP shall be subject to DTPW's verification at any time. Verification may include but not be limited to:
 1. Surveillance of the operations.
 2. Auditing of records and activities.
 3. Inspection to measure quality of items and/or works to ensure compliance with requirements.
 4. Review of Quality Records to ensure proper records keeping of activities affecting quality. These records shall be available for review by DTPW at any time.

3.0: APPLICABILITY

The responsibility for providing QC disciplines to verify that the work is performed in accordance with the Contract document rests with the Contractor. The Contractor's QCP shall be used to control quality throughout the duration of the project. Any inspections, audits or tests provided by DTPW or designee shall not relieve the Contractor of the responsibility of providing work that strictly complies with the Contract requirements.

4.0: REQUIREMENTS

The Contractor's QCP shall be in-line with the Contract documents and shall also include:

- 4.1 An organizational chart indicating lines of authority and reporting relationship including QC personnel.
- 4.2 Detailed Quality Procedures and Inspection Forms.
 1. The QCP and associated quality procedures and inspection forms should be submitted to DTPW within five (5) days after Notice to Proceed (NTP) for review and approval.
 2. Additional information may be required by DTPW to assure acceptability of the Contractor's QCP.
- 4.3 Records for all material tests, audits, and inspections performed, including data on conforming as well as nonconforming items shall be maintained by the Contractor at the job site current, up to date, and available for DTPW inspection at any time throughout the contract work.

- 4.4 Test Records and Calibration Identification status of testing equipment required for the project shall be maintained by the Contractor and available for inspection by DTPW at any time throughout the contract work.

5.0: NONCONFORMANCE AND REPAIR ACTION

- 5.1 The Contractor shall maintain an effective system for controlling nonconforming material, including procedures for its identification, segregation, and disposition.
- 5.2 All nonconforming material shall be positively identified to prevent unauthorized use, shipment, or intermingling with conforming material. Disposition for the use or repair of nonconforming material shall require the approval of DTPW.
- 5.3 The Contractor shall be responsible for all costs associated with the removal of components and/or devices, the shipping charges to and from the Contractor's facilities and the costs associated with their reinstallation and/or repair.

PROJECT QUALITY CONTROL PLAN

PROJECT TITLE

PROJECT/CONTRACT NUMBER

COMPANY NAME

REVISION DATE

COMPANY NAME: _____

Revision Date: mm/dd/yyyy

PROJECT QUALITY CONTROL PLAN

SIGNATURE SHEET

This Quality Control Plan dated: _____ was prepared in accordance with the project/contract requirements.

Prepared by:

Title: _____ Print Name _____ Signature: _____

Approved by:

Title: _____ Print Name _____ Signature: _____

PROJECT QUALITY CONTROL PLAN

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PROJECT QUALITY CONTROL PLAN

1. CONTRACTOR'S ORGANIZATION

ORGANIZATIONAL CHART

(Insert the company's organizational chart on this page)

PROJECT QUALITY CONTROL PLAN

Roles & Responsibilities:

In this section, document the roles, responsibilities, relevant experience, and qualifications of key personnel (by functional position only) assigned to the project:

Example Positions:

Project Manager:

Quality Control Representative:

Inspection Personnel:

PROJECT QUALITY CONTROL PLAN

2. Document Control

In this section, identify which documents will be controlled to ensure that they are maintained and current throughout the project:

Example of a list of Documents to Identify & Control:

- *Contractor's Quality Control Plan (QCP)*
- *Contractor's Inspection Procedures*
- *Contractors Work Instructions*
- *Drawings*

PROJECT QUALITY CONTROL PLAN

3. Purchasing & Product/Material Identification

Contractor's input:

In this section, document how products/materials that will be used in this project are procured, received, and inspected to ensure that they are in good condition and the correct part has been purchased.

Approved Supplier List

The Contractor shall develop and maintain an approved Supplier list.

PROJECT QUALITY CONTROL PLAN

4. Calibration of Inspection & Test Equipment

Contractor's input:

In this section, identify which inspection and test equipment will be identified, calibrated, and maintained to ensure accuracy of the inspections and testing as required. Also, identify the calibration intervals or frequency for each equipment that is subject to calibration.

PROJECT QUALITY CONTROL PLAN

5. Inspection and Testing

Contractor's input:

In this section, document:

1. *The types of inspections/testing to be performed*
2. *The procedures/forms to be used to perform the inspections and/or testing*
3. *Quality Control activities during the different phases of inspection*
 - a. *Preparatory meetings*
 - b. *Initial inspections*
 - c. *Follow-up inspections*
 - d. *Final inspections*

PROJECT QUALITY CONTROL PLAN

6. Control of Non-conformances

Contractor's input:

In this section, document:

- 1. The method to be used to identify, document, evaluate and address nonconforming products. It is highly recommended that a log of non-conformances, Punch List items is kept and that it includes the corrective actions to address the non-conformances.*
- 2. The method to be used to implement a corrective action plan to address all non-conformances. It is highly recommended that a log be kept to track all non-conformances and the proposed corrective action plans as necessary.*

PROJECT QUALITY CONTROL PLAN

7. Quality Records

Contractor's input:

In this section, identify which quality records will be controlled and the process to ensure that they are maintained, stored and dispositions appropriately:

Example of Quality Records:

- *Inspection Reports*
- *Test Data*
- *Calibration Records*
- *Nonconformance Reports*
- *Corrective Action Reports*
- *Audit Reports*
- *Training Records*
- *Product Certification*

PROJECT QUALITY CONTROL PLAN

8. TRAINING

Consultant input:

In this section, document the training program, personnel qualification and any certification needed as necessary:

PROJECT QUALITY CONTROL PLAN

APPENDICES

Contractor's input:

In this section, the Contractor may include any references, procedures, process flow charts, forms and acronyms/definitions that apply to this project:

SECTION 01 62 00

SUBSTITUTIONS AND PRODUCT OPTIONS

1.01 DESCRIPTION:

- A. This Section specifies the procedures to be followed for preparing, submitting, amending and updating of lists of products proposed to be incorporated in the work.

2.01 SELECTED PRODUCTS:

- A. Within ten (10) days after the effective date of NTP, submit five (5) copies of the list of selected products. Arrange the list in the order of each Section's appearance in the specification.
 1. For products specified only by reference standards, any product satisfying those standards may be selected. Show name and address of manufacturer; trade name, model number or catalog designation of the product; manufacturer's reference standards and pertinent performance and test data.
 2. For products specified by naming one product or by naming several products, this establishes a product standard. Any other product, which is equal in the opinion of DTPW and EOR may be furnished. A request must be submitted to the DTPW as required for substitutions, for acceptance of products not specifically named.
 3. **Approve Equal:** Where named products or sources are accompanied by the term "or equal" or other language of similar effect, provide one of the specified products, or submit a request for substitution for a product not named, in accordance with the requirements of Section 01 62 00 – Substitutions and Product Options, which the Contractor judges to be of equal or better quality.
 4. Amend and update list as changes concerning the information become known.

3.01 LIST OF SUBSTITUTE PRODUCTS AND METHODS:

- A. Formal requests from the Contractor will be considered by DTPW and EOR for substitution of products and methods in place of those specified, but only if these requests are submitted within ten (10) days after effective date of NTP. No substitutions request will be considered after ten (10) days. Acceptance of substitute products and methods shall be only for the characteristics and use named in the acceptance, and shall be interpreted neither as a modification to the Specification and Drawing requirements nor to establish acceptance of products and methods for other portions of the Transit System. DTPW and the EOR shall judge the quality and suitability of the substitute product and method and his decision shall

be final. Where use of a substitute product and method involves redesign of other parts of the work, the cost and time required to affect that redesign will be considered in evaluating the suitability of the substitute product and method.

B. Submit five (5) copies of list of substitute products and methods, including the following information:

1. Complete data substantiating compliance of the proposed substitution with the requirements of the Specifications and Drawings.
2. For products:
 - a. Product identification, including manufacturer's name and address
 - b. Manufacturer's literature, including product description, performance and test data and pertinent reference standards
3. For construction methods:
 - a. Detailed description of proposed method
 - b. working drawings illustrating methods
4. Itemized comparison of proposed substitution with product specified. Comparison shall include cost, differences in estimated life, estimated maintenance, availability of spare parts and repair services, energy consumption, performance capacity, salvage-ability, manufacturer's warranties and other material differences.
5. Data relating to changes in construction schedule.
6. Accurate cost data on proposed substitution in comparison with product and method specified except that cost data will not be required on substitutes proposed as equal, equivalent or superior to specified brand names and for which no request is made for price adjustment to the sub-contract.
7. Equitable adjustment and credit that the Contractor proposes to offer work if the substitutions are not equal, equivalent or superior to specified brand names.

C. In making request for substitution, Contractor shall verify:

1. That he has personally investigated the proposed product and method and that to the best of his knowledge, information and belief, the product and method is either equivalent or superior to that product and method specified and that he will update information as new or different data become known to him.

2. That he will furnish the same guarantee for substitution as he would for the product and method specified.
 3. That he will coordinate installation of the accepted substitution into the work and will make those changes required for the work to be complete and operable.
 4. That cost data is complete and includes related costs and excludes cost of engineering redesign.
 5. That he waives claims for additional time and costs related to the substitution, which become apparent.
- D. Amend and update list as changes concerning information on the list become known to him.
- E. Substitutions will not be considered, if indicated or implied on Shop Drawings or Product Data submittal for which no formal request for substitution has been submitted. Requests for substitutions will not be considered if acceptance will require substantial revisions of drawings and specifications or both.

4.01 MEASUREMENT:

- A. Work under this section will not be separately measured for payment.

5.01 PAYMENT:

- A. Work under this section will be paid for as part of the lump sum bid item unit prices in the bid form under this contract.

END OF SECTION

SECTION 01 78 36

WARRANTIES

PART 1: WARRANTY

1.01 DESCRIPTION OF WORK:

- A. The warranties provided by the Contractor shall be for the longest period, starting on the date of final acceptance, of those specified as follows:
 - 1. One (1) year from final acceptance on all the work as specified in the Contract.
 - 2. Warranty period(s) as specified by the approved material or equipment manufacturers.
 - 3. Longer warranty period(s) as specified in the technical specifications.
- B. The Contractor shall provide certifications and other commitments, extended warranties and agreements for continuing services as specified elsewhere in the Contract Documents.

1.02 DISCLAIMERS AND LIMITATIONS:

- A. Manufacturer's disclaimers and limitations on product warranties do not relieve the Contractor of the warranty on the work that incorporates the products, nor does it relieve suppliers, manufacturers, and sub-contractors required to countersign special warranties with the Contractor.

1.03 DEFINITIONS:

- A. Standard product warranties are reprinted written warranties published by the individual manufacturers for particular products and are specially endorsed by the manufacturer to Department of Transportation and Public Works (work).

1.04 WARRANTY REQUIREMENTS:

- A. Related Damages and Losses:

When correcting warranted work that has failed, remove and replace other work that has been damaged as a result of such failure or that must be removed and replaced to provide access for correction of warranted work.

B. Reinstatement of Warranty:

When work covered by a warranty has failed and been corrected by replacement or rebuilding, reinstate the warranty by written endorsement. The reinstated warranty shall be equal to the original warranty with an equitable adjustment for depreciation.

C. Replacement Cost:

Upon determination that work covered by a warranty has failed, replace or rebuild the work to an acceptable condition complying with requirements of Contract Documents. The Contractor is responsible for the cost of replacing or rebuilding defective work regardless of whether the DTPW has benefited from use of the work through a portion of its anticipated useful service life.

D. DTPW Recourse:

Written warranties made to the owner are in addition to implied warranties, and shall not limit the duties, obligations, rights and remedies otherwise available under the law, nor shall warranty periods be interpreted as limitations on time in which the work can enforce such other duties, obligations, rights or remedies.

E. Contractor shall provide a written guarantee, to the work, that proprietary parts and oil absorption material or their generic equal will be made available to the work at least for 10 years from the date of the system start-up.

F. Rejection of Warranties:

Work reserves the right to reject warranties and to limit selections to products with acceptable warranties and to limit selections to products with warranties not in conflict with requirements of the Contract Documents.

G. The DTPW reserves the right to refuse to accept work for the project where a special warranty, certification, or similar commitment is required on such work or part of the work, until evidence is presented that entities required to countersign such commitments are willing to do so.

H. All warranties including standard three (3) year warranty shall start at date of substantial completion of the Contract, or when work of an area is substantially completed, accepted and taken over for use by DTPW. Ensure that all warranties comply with this stipulation prior to submission of same.

I. The DTPW will give prompt notice in writing to the Contractor of any defects noted during the warranty periods requesting him to promptly remedy such defects.

J. Prior to final acceptance, the Contractor shall formally assign to DTPW all extended warranties given by sub-contractors for their work on the project, and such sub-contractor shall be formally advised of the assignment.

- K. Asset life expectancy : Contractor to provide the necessary documents securing the life expectancy at no less than 25 years
- L. Asset maintenance : As per grant agreements asset are to be maintained by the municipality

1.05 SUBMITTALS:

- A. Submit written warranties to DTPW prior to the date of the final acceptance inspection.
- B. When a special warranty is required to be executed by the Contractor, or the Contractor and a sub-contractor, supplier or manufacturer, prepare a written document that contains appropriate terms and identification, ready for execution by the required parties. Submit a draft to the DTPW for approval prior to final execution.
- C. Submit a list of all warranty items within ten (10) days after notice to proceed.
- D. Prior to final acceptance compile two (2) copies of each required warranty, and bond properly executed by the Contractor, or by sub-contractor, supplier or manufacturer.
- E. Bind warranties and bonds in heavy duty, commercial quality, durable 3-ring vinyl covered loose leaf binders, thickness as necessary to accommodate contents, and sized to receive 8 1/2 inch by 11 inch paper.
- F. Provide heavy paper dividers with celluloid covered tabs for each separate warranty. Mark the tab to identify the product or installation. Provide a typed description of the product or installation, including the name of the product, and the name, address and telephone number of the installer.
- G. Identify each binder on the front and the spine with the typed or printed title, "WARRANTIES AND BONDS", the project title or name, and the name of the Contractor.
- H. When operating and maintenance manuals are required for warranted construction, provide additional copies of each required warranty, as necessary, for inclusion in each required manual.

1.06 MEASUREMENT:

- A. Work under this section will not be separately measured for payment.

1.07 PAYMENT:

- A. Work under this section will be paid for as part of the lump sum bid item unit prices in the bid form under this contract.

END OF SECTION

DOORS SPECIFICATIONS

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Scope of Work

Scope of work for installing seventy-one new stainless-steel doors at Metro Rail and Metro Mover stations.

Remove and install seventy-one (71) new fire-rated three-hour (3-hour) stainless steel doors, frames, and hinges, including all necessary hardware listed.

Door, frame, and hardware must have the same three-hour fire-resistance rating.

The contractor is responsible for ordering the new door with the same lock configuration as the existing door.

The contractor is responsible for obtaining the permit from the Miami-Dade Building Department.

Sixty-six (66) single doors and five (05) double doors need to be replaced, for a total of seventy-one (71) doors.

All doors shall be 7 feet (84 inches) tall and match the existing door width. A stainless-steel transom will be installed above the doors to close the opening completely.

The doors must have NOAs and be approved under the Florida Building Code.

The contractor is responsible for measuring each Metro Rail and Metro Mover station door that will be replaced.

Contractors who choose not to attend the site visit will not be excused from any information or details visibly apparent or discussed during the visit. It is the contractor's responsibility to be aware of all relevant site conditions.

Only saw tools will be used to remove existing doors and make cutouts.

Frames:

16-gauge, Type 304 stainless steel, No. 4 (Satin) finish, Jamb Depth 6".

Conventional "hollow metal" type frame profile without returning to backbends.

Frames must fully include miter face joints, be continuously welded, and be ground smooth; the face seams are invisible. This face was welded only. Head faces (trim) are grained to match jambs.

A bituminous coating must be applied on the inside face of the frames.

The jams must be filled with mortar evenly on both sides.

Doors:

16-gauge, 1 3/4", Type 304 stainless steel, No. 4 (Satin) finish.

Door edges must be fully and continuously welded, refinished, and repolished to No. 4 finish with no exposed seams.

Standard epoxide /taped steel stiffened door core. It is NOT recommended that the welded-in steel stiffened core be used since spot-weld marks will be slightly visible unless the stiffeners are epoxied/taped. Both methods are label-approved.

The standard door core must be a Warnock Hersey (WH) Mark fire-rated for up to 3 hours and is constructed to SDI/ANSI-100-03 grade III, extra-heavy-duty, and HMMA/NAAMM 866-01 standards.

The top channel, capped and sealed, must be included.

Scope of work for installing seventy-one new stainless-steel doors at Metro Rail and Metro Mover stations.

The "Construction Label" is required as certification from manufacturers. The permanent fire-rated certification label must be visible. Fire labels must be permanently attached to the door and frame and visible to the Authority having jurisdiction.

Acceptable manufacturers of the door and frame:

Next Door Company: 4005 E 10th CT, Hialeah, FL 33013. Telephone: 954 772 6666.

Or approved equivalent by the Department of Transportation and Public Works (DTPW).

Hardware to use:

Hinges

McKinney T4A3386 stainless steel, heavyweight five-knuckle full mortise hinges 4 1/2" x 4 1/2" Finish US32D, Non-Removable Pin NRP.

Hager BB1199 stainless steel, heavyweight five-knuckle full mortise hinges 4 1/2" x 4 1/2" Finish US32D, Non-Removable Pin NRP.

Best FBB199 stainless steel, heavyweight five-knuckle full mortise hinges 4 1/2" x 4 1/2" Finish US32D, Non-Removable Pin NRP.

Door Closer

LCN 4040 XP Series door closer EDA, finish 689.

Exit Devices for Metro Rail and Metro Mover Stainless Steel Doors

Von Duprin	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	9800 Series Single Doors 9927 Series Double Doors
Corbin Russwin	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	5200 Single Doors 5400 Double Doors
Precision	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	HC 2100 Single Doors HC 2200 Double Doors
Yale	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	7150 Single Doors 7170 Double Doors

The contractor will provide Medeco locks compatible with the Department of Transportation and Public Works (DTPW) 's existing Medeco cores. The contractor is responsible for measuring each single and double door to obtain and supply the correct exit device model according to the requested characteristics.

Scope of work for installing seventy-one new stainless-steel doors at Metro Rail and Metro Mover stations.

Louvers

The Metro Mover stations have twelve doors with louvers. The stainless-steel louvers are 12" x 12", 16-gauge, fire-rated, and Florida Building Code-approved (Psf = -70). They have exposed vertical edges and stiffeners.

Threshold

Pemko 2005 AV Series Latching Panic Saddle Threshold.

Weatherstrips

NGP 5050 Self-Adhesive Gasket.

Pemko Adhesive Perimeter Gasket PK55BL.

Pemko Adhesive Perimeter Gasket S88BL.

Door Top Weatherstrip (only on doors that lead to the outside)

NGP 16A Rain Guard Seal.

Pemko Door Top Weatherstrip 346C.

Door Stoppers

The door stoppers will be attached to a wall or floor to prevent damage to the wall from the open door.

Door Signage

All new doors in this scope of work shall receive new signs. The sign must be placed on the door at a maximum height of 6 feet.

Station Emergency Exit Sign.

- Sign Size: 14" X 42"

Mover Electrical Rooms.

- Sign Size: 14" X 24"

Mover Mechanical Rooms.

- Sign Size: 14" X 24"

The final design of the door signage will be delivered to the awarded contractor.

Scope of work for installing seventy-one new stainless-steel doors at Metro Rail and Metro Mover stations.

General Conditions

Frame anchors for existing walls (punched and dimpled). The bolts must be stainless steel to avoid corrosion since carbon (mild/galvanized) steel must not come into direct contact with stainless steel. Frame anchor spacing is based on grout-filled installation.

The awarded contractor shall include wall opening repairs, patching, and painting. It also includes any additional wall reinforcement required for the new frame installation and for attaching the new frame to the existing wall.

Only doors located near the train tracks would need to be replaced overnight.

The door shall be removed and installed simultaneously to provide an enclosure for the area.

The area must be secured at the end of each workday; ensure the opening is safely barricaded or cordoned off to prevent unauthorized access. Post warning signs indicate that the door is under repair and not to be used. Maintain accessibility. If the door is an emergency exit, ensure the temporary solution allows for safe egress.

The contractor will carefully remove and deliver the existing hardware to the DTPW project manager.

The contractor shall remove the existing door signs and install new ones. All electrical connections must be disconnected and left properly terminated for reconnection by DTPW Communications Systems staff. Upon completion of the door installation, the contractor shall notify Mr. Jason Miles, Communications Systems Chief, DTPW, at jason.miles@miamidade.gov.

Furnish and install all materials, including matching labor, services, supervision, tools, equipment, and all other items necessary to complete the job successfully.

All work shall be performed to the best standards of workmanship.

Removal and proper disposal of all work-related debris.

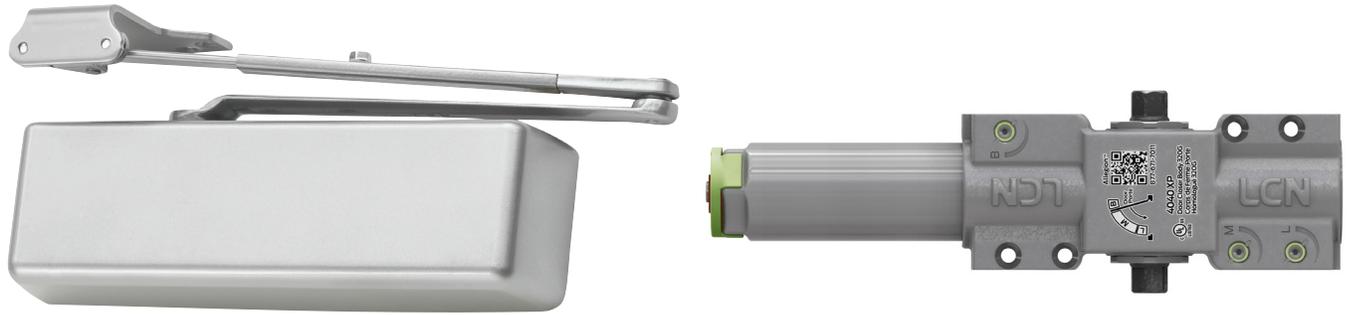
All the materials used in this project shall be "Made in the USA."

Based on NOA 23-0913.07 and NOA 23-0913.09.

Components of the Doors

Door Closer

4040XP Series



The 4040XP Series is LCN's most popular door closer—and for good reason. This durable non-handed, surface-mounted heavy-duty closer, is designed for the most demanding high-use-and-abuse applications as well as for easy installation and maintenance.

Features

Certifications	Grade 1 - ANSI A156.4, UL 10C, ADA, 100 hour salt spray, meets BAA - Buy American Act	Cover	<ul style="list-style-type: none"> Redesigned snap-fit plastic cover (PC) with improved retention fit, standard Metal Cover (MC), optional
Body construction	<ul style="list-style-type: none"> Patented positive stop Patented regulation valve indicators Independent speed adjustments QR code for instructions and support Cast iron body Full complement bearing 1 1/2" diameter piston Double heat treated pinion journal 	Fasteners	Self reaming and tapping screws (SRT)
Fluid	All weather liquid X fluid	Mounting	Hinge (pull side), top jamb (push side), parallel arm (push side)
Handing	Non-handed	Arms	Regular arm
Templating	Peel-n-Stick templates - 2 1/4" x 5" mounting hole pattern	Finishes/colors/ powder coat	<ul style="list-style-type: none"> 622 Matte black 689 Aluminum 690 Statuary bronze 691 Light bronze 693 Black 695 Dark bronze 696 Brass Custom colors optional
Size	Adjustable spring size 1-6, includes LCN Green Dial		<ul style="list-style-type: none"> Optional SRI primer - powder coat only Optional plated finishes
Warranty	30 years		

Special templates | Customized installation templates or products may be available to solve non-standard applications. Contact LCN Product Support for assistance.

Mounting	Finish	Cover	Cylinder	Arm function*
Hinge (pull) side Top jamb (pull) Top jamb (push) Parallel arm Stop face	Powder coat Plated Plastic Metal	Non-handed Non-sized Accessibility Delay Action *** CYLAVB**	120° 120° 180° 110° 110°	Regular (double) Standard (single) Hold Open Fusible Link EDA/HEDA CUSH/HCUSH SCUSH/SHCUSH Double Egress
■ Available ■ Not available	■ Available ■ Not available	■ Available ■ Not available ♿ Closer available with less than 5.0 lbs. opening force on 36" door.	■ Available ■ Not available	■ Available ■ Not available

* Maximum opening/hold open point with standard template.
 ** Advanced Variable Back Check.
 *** Delay feature incorporates standard 4040 cylinder (not XP).

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 4030/4030T Series
4040XP/4040XPT Series
 4050A/4050AT Series
 4110/4110T Series
 4000T Series

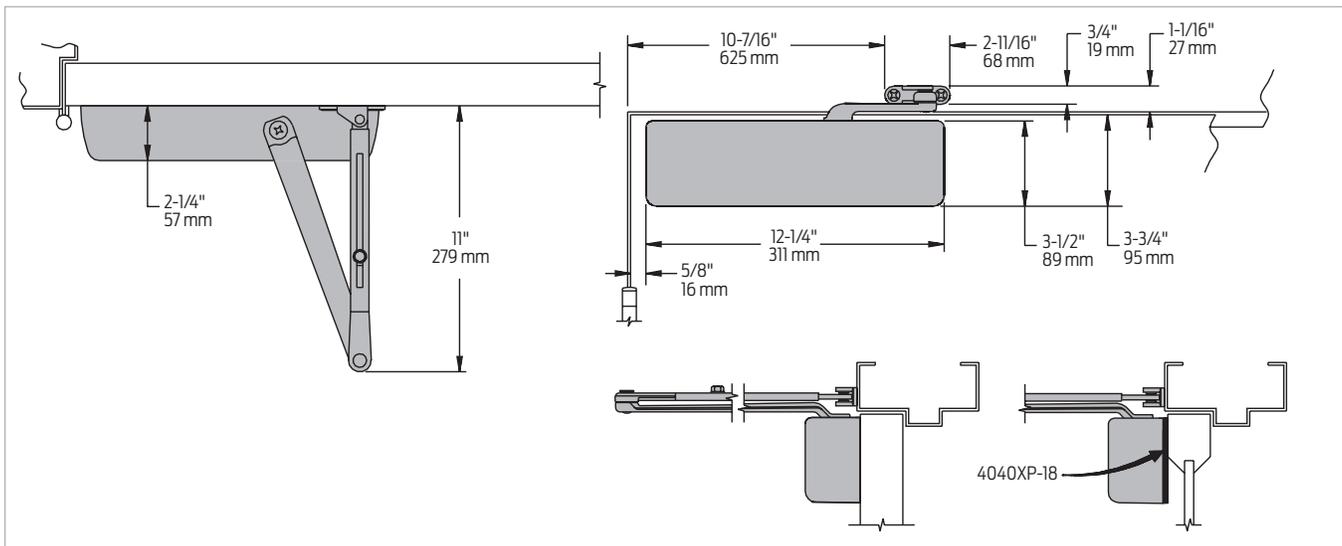
Adjustments

There are several design features that make installation or adjustment of the 4040XP easier and more intuitive.

- **LCN Green Dial** provides a visual reference of the spring power setting, taking the guesswork out of spring power adjustments.
- **Additional adjustments** can be made to the back check, main, and latch regulation valves which are labeled for easy identification.
 - Labels correspond to a diagram with door swing zones located on the closer body.
- **Patented positive stop feature** on all regulation valves. The improved staking feature prevents the screw from being backed out and causing accidental damage to the product.
 - The patented regulation valve indicators provide visual color indicators of how far a screw is backed out—the more visible the component, the faster the speed.
 - This makes adjustments simpler and more intuitive.
- **New QR code** that provides on-the-spot access to interactive installation and maintenance instructions and tech support.

Mounting details

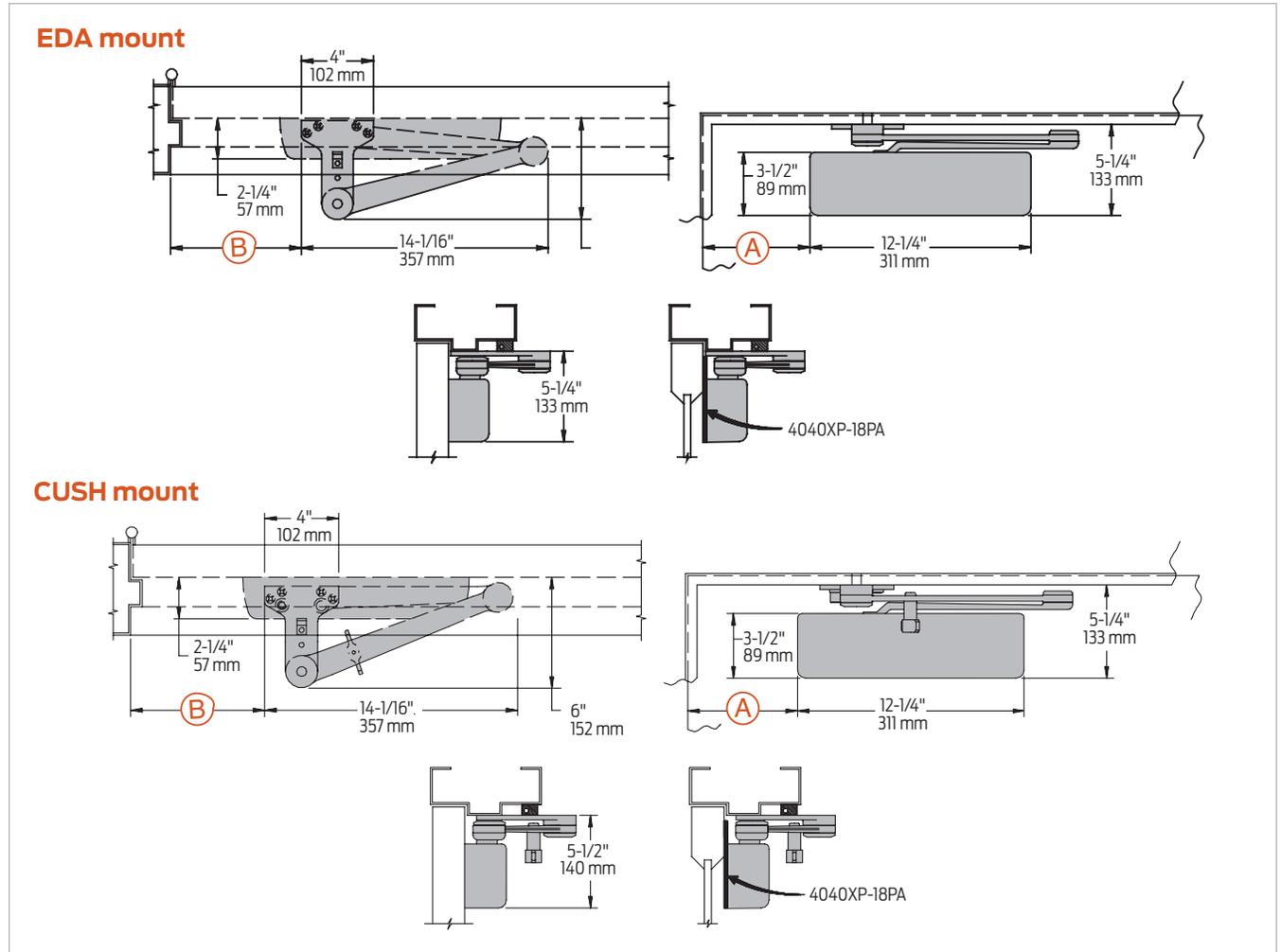
Hinge (pull) side mounting



Butt hinges	Should not exceed 5" (127 mm) in width
Auxiliary stop	Recommended at hold open point or where a door cannot swing beyond 120°
Reveal	Should not exceed 3/4" (19 mm) for Regular or Hold Open Arm
Top rail	Less than 3 3/4" (95 mm) requires plate, 4040XP-18; Plate requires 2" (51 mm) minimum
Clearance	2 3/8" (60 mm) behind door required for 90° installation
Delay action	<ul style="list-style-type: none"> ▪ Incorporates standard 4041 cylinder ▪ Delays closing from 120° to 70° ▪ Delay time adjustable up to approximately 1 minute
Maximum opening	<ul style="list-style-type: none"> ▪ Templating allows up to 120° ▪ Hold open points 90° up to 120° with Hold Open Arm

Mounting details

EDA and CUSH mounting



Clearance	4040XP-62EDA is 5 1/2" (140 mm) from door face; 6" (152 mm) for CUSH	
Head frame	Flush or rabbeted requires CUSH flush panel adapter, 4040XP-419	
CUSH Arm	Requires shoe support, 4040XP-30 for fifth screw anchorage where reveal is less than 3 1/16" (78 mm)	
Delay action	<ul style="list-style-type: none"> Incorporates standard 4041 cylinder, without XP cylinder Delays closing from maximum opening to; 115° with 180° template, 95° with 110° template, 85° with 100° template, 75° with 90° template (delay time adjustable up to approximately 1 minute) 	
Maximum opening	EDA arm can be templated for points at:	CUSH arms can be templated for opening/hold open point at:
	110°: A = 6 3/8" (162 mm) B = 7 3/4" (197 mm)	85°: A = 7 15/16" (202 mm) B = 9 1/8" (232 mm)
	or 180°: A = 2 7/8" (73 mm) B = 4 1/4" (108 mm)	90°: A = 7 3/16" (183 mm) B = 8 1/2" (216 mm)
	Hold open points up to maximum opening with HEDA arm	100°: A = 6 1/16" (154 mm) B = 7 1/4" (184 mm)
		or 110°: A = 5 1/16" (129 mm) B = 6 3/8" (162 mm)

Notes:

- 4040XP Series closers ordered with EDA or CUSH arms include 4040XP-201 fifth hole spacer to support the shoe
- SCUSH stop points are approximately 5° more than templated stop point
- Hold open at templated stop points

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 4000T Series

Accessories

Cylinders



**4040XP-3071
Cast iron cylinder
assembly (CYL)**

- Non-handed
- Heavy duty



**4041-3071 DEL
Delay Action Cylinder
(CYLDEL)**

- Used for delayed action closing
- Non-handed
- Heavy duty

Covers



**4040XP-72
plastic cover (PC)**

- Non-handed
- Includes 4040XP-54 snap-on cover clip
- Redesigned patented snap-fit cover with improved retention fit



**4040XP-72MC
metal cover (MC)**

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

Arms



**4040XP-3077
Regular Arm (REGARM)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal P4041 closer includes PA shoe, 4040XP-62PA required for parallel arm mounting



**4040XP-3077L
Long Arm (LONG)**

- Non-handed
- Includes long rod and shoe, 4040XP-79LR for top jamb mount
- Optional



**4040XP-3077ELR
Extra Long Arm (XLONG)**

- Non-handed
- Includes extra long rod and shoe, 4040XP-79ELR for top jamb mount with deep reveal
- Optional



**4040XP-3049
Hold Open Arm (H)**

- Non-handed
- Mounts pull side or top jamb with shallow reveal, hold open adjustable shoe
- 4040XP closer includes 4040XP-62PA shoe required for parallel arm mounting
- Optional



**4040XP-3049L
Hold Open Long Arm (HLONG)**

- Non-handed
- Includes long head and tube, 4040XP-3048L for top jamb mount
- Optional



**4040XP-3077EDA
Extra Duty Arm (EDA)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional



**4040XP-3049EDA
Hold Open Extra Duty Arm (HEDA)**

- Handed
- Parallel arm features forged, solid steel main and forearm for potentially abusive installations
- Hold open function is adjusted at the shoe
- Optional



**4040XP-3077EDA/62G
Extra Duty Arm with 62G Thick
Hub Shoe (EDAW62G)**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance
- Optional



**4040XP-3049EDA/62G
Hold Open Extra Duty arm with 62G
Thick Hub Shoe (HEDA62G)**

- Handed
- Features forged, solid steel main and forearm for potentially abusive installations
- 62G shoe provides additional blade stop clearance; hold open function is adjusted at the shoe
- Optional



**4040XP-3077CNS
Cush-n-Stop Arm (CUSH)**

- Non-handed
- Features solid forged steel main arm and forearm with stop in soffit shoe.
- Optional



**4040XP-3049CNS
Hold Open Cush-n-Stop Arm
(HCUSH)**

- Non-handed
- Hold open function with templated stop/hold open points
- Handle controls hold open function
- Optional

Accessories

Arms (cont.)



- 4040XP-3077SCNS
Spring Cush-n-Stop Arm (SCUSH)**
- Non-handed
 - For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
 - Optional



- 4040XP-3049SCNS
Spring Hold Open Cush-n-Stop Arm (SHCUSH)**
- Non-handed
 - For potentially abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
 - Handle controls hold open function
 - Optional

Installation accessories



- 4040XP-18
Plate**
- Required for hinge side mount where top rail is less than 3 3/4" (95 mm)
 - Requires minimum 2" (51 mm) minimum top rail



- 4040XP-18G
Plate**
- Locates top jamb mounted closer flush with top of head frame face in flush ceiling condition
 - Requires 1 3/4" (44 mm) minimum head frame



- 4040XP-18TJ
Plate**
- Centers top jamb mounted closer vertically on head frame where face is less than 3 1/2" (89 mm). Plate requires 1 3/4" (44 mm) minimum head frame



- 4040XP-18PA
Plate**
- Required for parallel arm mounting where top rail is less than 5 1/2" (140 mm), measured from the stop
 - Requires 2" (51 mm) minimum top rail



- 4040XP-62PA
PA shoe**
- Required for parallel arm mounting



- 4040XP-30
CUSH shoe support**
- Provides anchorage for fifth screw used with CUSH arms, where reveal is less than 3 1/16" (78 mm)
 - Optional



- 4040XP-61
Blade stop spacer**
- Required to lower parallel arm shoe to clear 1/2" (13 mm) blade stop
 - Optional



- 4040XP-419
PA flush panel adapter**
- Provides horizontal mounting surface for parallel arm shoe on single rabbeted or flush frame
 - Optional



- 4040XP-62A
Auxiliary shoe**
- Requires a top rail of 7" (178 mm)
 - Shoe replaces -62PA for parallel arm mounting of regular arm with overhead holder/stop
 - Optional



- 4040XP-54
Snap-on cover clip**
- Used to secure 4040XP-72 plastic cover to cylinder body

Introduction
Product selection guide
4010/4010T Series
4020/4020T Series
4030/4030T Series
4040XP/4040XPT Series
4050A/4050AT Series
4110/4110T Series
4000T Series

Ordering information

How-to-order 4040XP Series closers

1. Select finish

- Standard powder coat _____
Matte Black (622), Aluminum (689), Dark Bronze (695),
Statuary Bronze (690), Light Bronze (691), Black (693),
or Brass (696)

Closer options

Cylinder

- Delay Action Cylinder (CYLDEL)

Cover

- Metal (specify right or left hand)(MC)

Finish

- Custom powder coat (RAL) _____
(handed metal cover required)
- Plated finish, US _____
(handed metal cover required)
- SRI primer
(use with powder coat finishes only)

Arm

- Regular Arm (REGARM)
- Regular Arm with Parallel
Arm Bracket (RWPA)
- Regular Arm with 62A
Auxiliary Shoe (RW62A)
- Long Arm (LONG)
- Extra Long Arm (XLONG)
- Hold Open Arm (H)

- Hold Open with Parallel Arm
Bracket (HWPB)
- Hold Open Long Arm (HLONG)
- Extra Duty Arm (EDA)
- Extra Duty Arm with 62G Thick
Hub Shoe (EDAW62G)
- Hold Open Extra Duty Arm (HEDA)
- Cush-n-Stop Arm (CUSH)
- Hold Open Cush-n-Stop Arm
(HCUSH)
- Spring Cush-n-Stop Arm (SCUSH)
- Spring Hold Open Cush-n-Stop
Arm (SHCUSH)

Optional screw packs

- Through Bolt¹ Self Reaming and
Tapping Screws (TBSRT)
- Wood and Machine Screws
(WMS)
- Through Bolt¹ Wood and Machine
Screws (TBWMS)
- Torx Machine Screws (TORX)

- Through Bolt¹ and Torx Machine
Screws (TBTRX)

Installation accessories

- Plate, 4040XP-18
- Plate, 4040XP-18TJ
- Plate, 4040XP-18G
- Plate, 4030-18PA
- CUSH shoe support,
4040XP-30
- Blade stop spacer, 4040XP-61
- Auxiliary shoe, 4040XP-62A
- PA flush panel adapter,
4040XP-419

Special template

- ST- _____

1. Specify door thickness if other than 1 3/4".

Table of sizes

- 4040XP cylinders are adjustable from size 1 through size 6 and is shipped set to size 3
- Closing power of 4040XP Series closers may be adjusted 50%

Exterior (and vestibule) door width



Interior door width



→ Indicates recommended range of door width for closer size.
* Adjustable Size 1 thru 5.

Closer will be shipped with:

- Standard cylinder
- Standard cover
- Regular arm
- Self reaming and tapping screws
(unless options listed below are selected)

Reduced opening force 4040XP Series closers

CAUTION! Any manual door closer, including those certified by BHMA to conform to ANSI Standard A156.4, that is selected, installed and adjusted based on ADA or other reduced opening force requirements may not provide sufficient power to reliably close and latch a door.

Refer to Automatic Operators catalog for information on systems that meet reduced opening force requirements without effecting closing power.

	Door width	36"	42"	48"
	8.5* lbs.	4040XP	4040XP	4040XP
	5.0* lbs.	4040XP	4040XP	4040XP

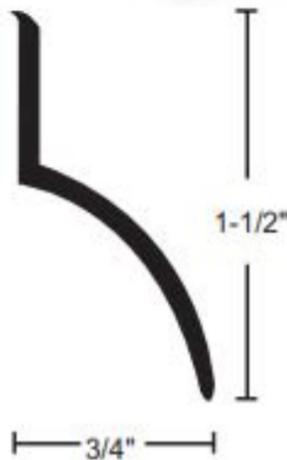
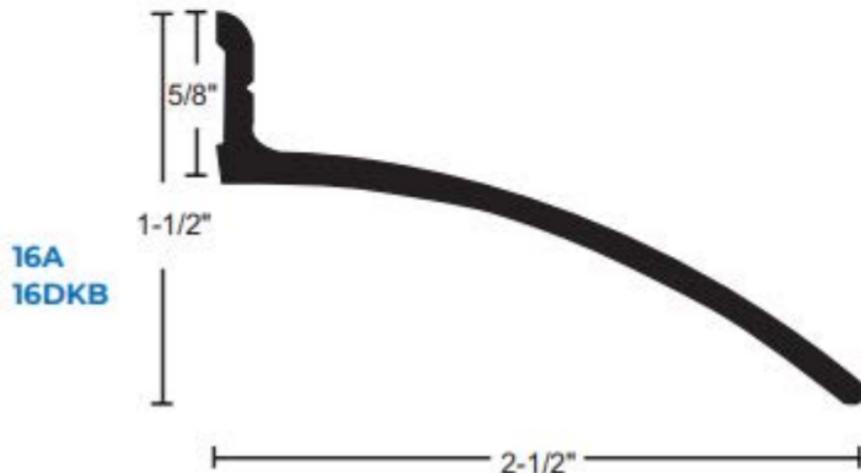
* Maximum opening force.

Door Top Rain Drip Guard

GUARDS / SEALS

RAIN DRIP GUARDS

➤ #6 x 3/4" Stainless Steel SMS Furnished



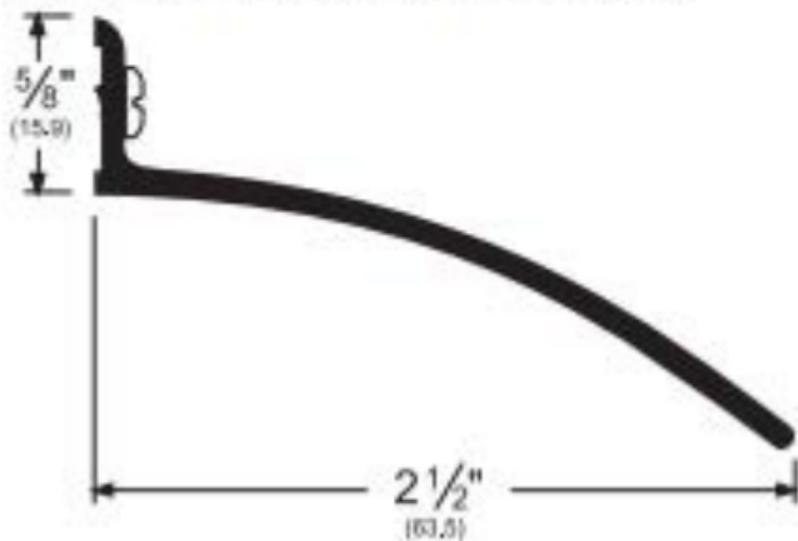
16A
Anodized Aluminum
Drip Strip

PRODUCT#	SUFFIX	FINISH
A		Anodized Aluminum
DKB		Dark Bronze
None		Mill Aluminum

346_

AVAILABLE FINISHES: **10BE, BSP, C, D, WSP**

- Overhead rain drip with slotted holes
- Should be ordered a minimum of 4" longer than the door width



Exit Devices

Exit Devices for Metro Rail and Metro Mover Stainless Steel Doors

Von Duprin	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	9800 Series Single Doors 9927 Series Double Doors
Corbin Russwin	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	5200 Single Doors 5400 Double Doors
Precision	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	HC 2100 Single Doors HC 2200 Double Doors
Yale	Grade 1 N.O.A	Fire Rated 3Hrs	Impact / Wind resistance	Night latch ADA compliant	US32D/ 630	Medeco housing	Escutcheon Lever Trim	7150 Single Doors 7170 Double Doors

The contractor will provide Medeco locks compatible with the Department of Transportation and Public Works (DTPW) 's existing Medeco cores. The contractor is responsible for measuring each single and double door to obtain and supply the correct exit device model according to the requested characteristics.

Hinges

Hinges

-McKinney T4A3386 stainless steel, heavyweight five-knuckle full mortise hinges 4 1/2" x 4 1/2" Finish US32D, Non-Removable Pin NRP.

-Hager BB1199 stainless steel, heavyweight five-knuckle full mortise hinges 4 1/2" x 4 1/2" Finish US32D, Non-Removable Pin NRP.

-Best FBB199 stainless steel, heavyweight five-knuckle full mortise hinges 4 1/2" x 4 1/2" Finish US32D, Non-Removable Pin NRP.

Threshold

Weatherstrips

SELF-ADHESIVE SILICONE GASKETING

SILICONE BULB FIRE AND SMOKE SEAL



Edge Sealing System - Category G for 20 Minute Rated Category B Wood Doors Perimeter Application Up To:

Single Swing 4'0 X 8'0

Pairs 8'0 X 8'0

Use 9550 at the Meeting Edge of Pairs



Smoke and Draft Control - Category H

Up To 3 hours Hollow Metal Fire Doors

Up To 90 Minutes Wood Fire Doors



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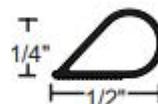
Meets Requirements of RoHS Directive

See Adhesive Specifications on Page G15

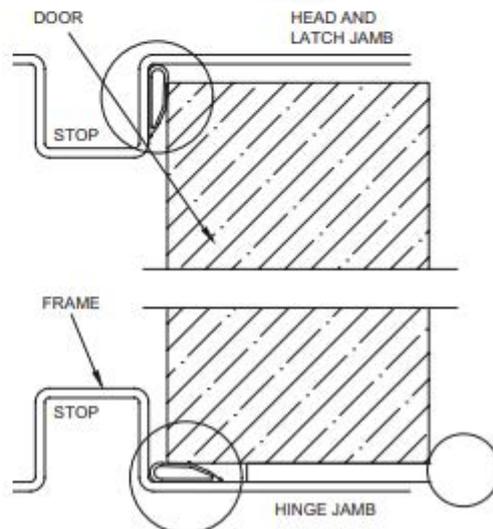
5050B	Brown
5050C	Charcoal
5050W	White
5050CL	Clear

Available in 17', 20', 21', 25' and 300' Rolls

*Clear Not Available in 21'



Pictured:
5050B
(Brown)



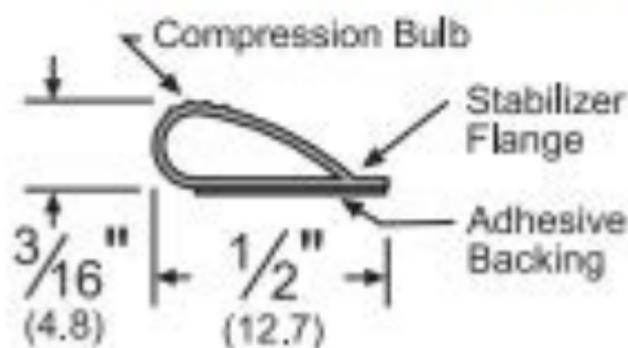
PK55_

AVAILABLE FINISHES: **BL, D, W**

AVAILABLE LENGTHS: **17', 18', 20', 21', 25', 30', 510'**

ANSI: **R0G154, R0G155**

- Designed for tighter frames.
- Demonstrates extremely low closing force.
- Seal begins compressing at $\frac{3}{16}$ " ; compresses to seal up to a $\frac{1}{16}$ " gap



BHMA
CERTIFIED

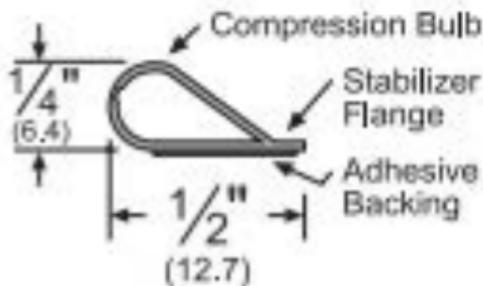
S88_

AVAILABLE FINISHES: **BL, C, D, GR, TAN, W**

AVAILABLE LENGTHS: **17', 18', 20', 21', 25',
30', 204', 510'**

ANSI: **R0E154, R0E155**

- Seal begins compressing at $\frac{1}{4}$ ";
compresses to seal up to a $\frac{1}{16}$ " gap
- Available with perforations for
Behavioral Health applications.
Substitute "P" in place of "S" to order
this option.



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