



**Northeast High School
Single Point of Entry
GMP-CMAR-16-003/001**

***Guaranteed Maximum Price (GMP)
Amendment 1 – Single Point of Entry***
Rev. 1 (2017-9-11)

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**EXHIBIT A
TO CONSTRUCTION MANAGER AT RISK AGREEMENT**

GMP AMENDMENT 1 – SINGLE POINT OF ENTRY

THIS **GMP Amendment 1 - Single Point of Entry**, made and entered into as of this 26th day of September, 2017, amends that certain Agreement between Owner, The School Board of Broward County, Florida and Construction Manager, Gilbane Building Company, made as of the 1st day of November 2016 for the following described project: Northeast High School, (the “**Project**”).

WHEREAS, the Owner and the Construction Manager have agreed to amend the Agreement in the manner set forth herein to specify the agreed price, scope and schedule for work to be performed on the single point of entry portion of the Project (“**SPE Project**”) (hereinafter “**GMP Amendment 1**”); and

WHEREAS, the Owner and Construction Manager intend to submit one (1) additional proposed amendment to the Agreement to the Owner, at a future date, which shall specify the agreed price, scope and schedule for the remainder of work to be performed on the Project (“**GMP Amendment 2**”).

NOW, THEREFORE, in consideration of the mutual promises and covenants contained herein, in the Agreement and the other Contract Documents and for such other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Owner and the Construction Manager do hereby agree as follows:

1. This GMP Amendment 1 is executed in connection with, and is deemed to be a part of the Agreement and the Contract Documents. Wherever the terms of this GMP 1 Amendment and the terms of the Contract Documents are in conflict, the terms of this GMP Amendment 1 shall govern and control. The terms used herein, unless otherwise defined in this GMP Amendment 1, shall have the meanings ascribed to them in the Contract Documents.
2. The following are hereby incorporated into the Contract Documents and made part thereof:
 - a. The drawings listed on **Attachment I** attached hereto, which drawings are made a part of the Contract Documents by this reference (the “Drawings”); and
 - b. The specifications listed on **Attachment II** attached hereto, which specifications are made a part of the Contract Documents by this reference (the “Specifications”).
 - c. Those documents listed on **Attachment III**, Additional Contract Documents, attached hereto, are made a part of the Contract Documents by this reference.
3. The applicable Scope of the Work for the Project is hereby incorporated into the work of the SPE Project.

.1 The **Date of Commencement** for the construction shall be: December 26, 2017.

The Construction Manager shall achieve Substantial Completion of the entire Work not later than 23 calendar days from the Date of Commencement (the "Contract Time") and Final Completion not later than 90 calendar days from the date of Substantial Completion. Failure to meet either the Substantial Completion or Final Completion dates shall be a material breach of this Agreement.

.1 The Owner and the Construction Manager acknowledge and agree that the Owner will suffer damages if the Construction Manager fails to achieve Substantial Completion of the SPE Project, as defined in the Contract Documents, on or before the expiration of the Contract Time, which damages are difficult, if not impossible, to ascertain with any degree of certainty. Accordingly, if the Construction Manager fails to achieve Substantial Completion of the Work for this Project on or before the expiration of the Contract Time, liquidated damages (which are not intended as a penalty) shall be assessed against the Construction Manager in an amount of Zero Dollars (\$0.00) per calendar day.

.2 To the extent that the Contract Documents include specific provisions for liquidated damages to be applied separately for any Phase, Building or other portion of the Work prior to the required completion date or within the Contract Time for the entire Project, such liquidated damages shall be assessed based on the required completion dates and construction time durations set forth in the approved schedule for each such separate portion of the Work.

.3 The Guaranteed Maximum Price for the SPE Project is hereby guaranteed by the Construction Manager not to exceed the sum of **Six Hundred One Thousand, Four Hundred Thirty-Six Dollars and Zero Cents (\$601,436.00)** (the "SPE Project GMP"), based upon the Scope of Work for the single point of entry portion of the Project as described in the Contract Documents, including, but not limited to, the Drawings and the Specifications, subject only to additions and deductions by Change Order or Construction Change Directive, as provided in the Contract Documents. The SPE Project GMP is more particularly itemized in the Schedule of Values prepared in accordance with the terms of the Agreement, which Schedule of Values is attached hereto and made a part of the Contract Documents by this reference. Included in the Schedule of Values and specifically identified herein, the contingency included in this SPE Project GMP is the amount of **Forty-Six Thousand, Two Hundred Fifty-Two Dollars and Zero Cents (\$46,252.00)**.

.4 Whether or not the Construction or Contract Documents enumerated in the Attachments to this

- GMP Amendment 1 have actually been completed to the level of 50% or 100% as defined by this Agreement, the Guaranteed Maximum Price includes all Work reasonably inferable from such Construction and Contract Documents, the documents referenced in section paragraph 1.4 of the Construction Manager At-Risk Agreement and all responses issued by the Design Consultant to CM's bidding inquiries and requests for information, as necessary to deliver a fully completed and finished working SPE Project. To the extent there exists a conflict between the Construction and Contract Documents and any of the other aforementioned reference documents, the item of higher price, quantity or quality shall be included in the Guaranteed Maximum Price, without use of any Contingency.
- .5 Procedures and expenditures related to use of any Contingency and any Allowances included in this SPE GMP shall comply with CMAR Agreement Section 6.1.1, Specification Section 01250 respectively, and all provisions of such documents are incorporated into and made a part of this Contract.
 - .6 Procedures and expenditures related to direct purchases of materials by the Owner for this Project shall comply with Specification Section 01295, and all provisions of such documents are incorporated into and made a part of this Contract.
 - .7 The Construction Manager shall provide Commercial General Liability Insurance, Automobile Liability Insurance, Professional Liability Insurance and Worker's Compensation Insurance in compliance with the provisions of Article 9 of the CMAR Agreement and Article 29 of the General Conditions of the Contract for Construction, satisfactory to the Owner's Office of Risk Management.
 - .8 By executing this GMP Amendment 1, the Construction Manager acknowledges that it has ascertained all correct locations for points of connection for all utilities, if any, required for this Project; and has identified all clarifications and qualifications for this Project, if any.
 - .9 The Construction Manager's on-site management and supervisory personnel for this Project are set forth on **Attachment IV**, attached hereto and made a part hereof by this reference.
 - .10 To the extent that the Owner has authorized the Construction Manager, in writing, to perform a portion of the Work for this Project; with the Construction Manager's own forces, the salary and wage schedule for the Construction Manager's personnel performing such portion of the Work, agreed upon by the Owner and the Construction Manager, shall be as set forth on **Attachment IV**, attached hereto and made a part of the Contract Documents by this reference. The Construction Manager warrants and represents that the salary and wage schedule includes the lowest comparable market rates (including any and all benefits, contributions and insurance) charged by the Construction Manager for comparable

contracts to other businesses and individuals for similar services, and that such rates are not higher than the standard paid at the place of this Project.

- .11 The Construction Schedule for this Project is set forth on **Attachment V**, attached hereto and made a part hereof by this reference. The final accepted schedule for construction as required in the Construction Manager At-Risk Agreement and included in this GMP Amendment 1 shall not be construed as the Detailed Initial or Baseline Schedule as set forth in the General Conditions of the Contract for Construction which schedule shall be prepared by the CM and separately submitted for review and approval after approval of the GMP Amendment 1 by the Owner, as set forth in the General Conditions of the Contract for Construction.
- .12 Except as expressly provided herein above, all of the terms, conditions, covenants, agreements and understandings contained in the Contract Documents shall remain unchanged and in full force and effect, and the same are hereby expressly ratified and confirmed by the Owner and the Construction Manager.
- .13 This Amendment may be executed in several counterparts, each of which shall be deemed an original but not all of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties have affixed their signatures, effective on the date first written above.

(Corporate Seal)

THE SCHOOL BOARD OF BROWARD
COUNTY, FLORIDA

ATTEST:

By _____
Abby M. Freedman, Chair

Robert W. Runcie, Superintendent of Schools

Approved as to Form and Legal Content:



Office of the General Counsel

FOR [Gilbane Building Company]

(Corporate Seal)

[Gilbane Building Company]

ATTEST:

Brad A. Gordon

BRAD A. GORDON, Secretary

-or-

Witness

Witness

By Daniel P. Reynolds
Signature

Printed Name: Daniel P. Reynolds

Title: Executive Vice President



CERTIFICATE OF CORPORATE AUTHORITY

RE: Contract Signing Authority:
The School Board of Broward County
Contracts - Guaranteed Maximum Price Amendment
Northeast High School

To Whom It May Concern:

I, Brad A. Gordon, Secretary of Gilbane Building Company (the "Company"), hereby certify that, pursuant to a May 8, 2008 Unanimous Consent Resolution of the Board of Directors of the Company, a copy of which is attached hereto, Daniel P. Reynolds, Executive Vice President of the Company, is duly authorized to sign the above referenced Contracts, bonds, and any and all other documents in connection with the above referenced project on behalf of Gilbane Building Company.

GILBANE BUILDING COMPANY

By: Brad A. Gordon
Brad A. Gordon
Secretary



Date: September 13, 2017

Subscribed and sworn to before me this
13th day of September, 2017.

Joan P. Hanrahan-Miller
Notary Public
Joan P. Hanrahan-Miller
My Commission Expires 01/06/2018

MY COMMISSION EXPIRES 1/6/2018
ID # 6406



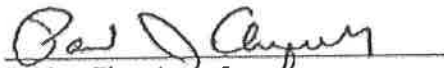
**GILBANE BUILDING COMPANY
UNANIMOUS CONSENT OF DIRECTORS**

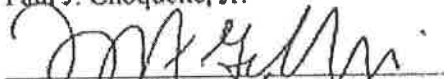
The undersigned, being all of the Directors of Gilbane Building Company, a Rhode Island Corporation, (the "Corporation"), hereby consent to the taking of the following action for and on behalf of the Corporation, pursuant to Rhode Island General Laws, Section 7-1.2:


VOTED: To delete Article 8.01 of the Bylaws of the Corporation in its entirety and replace it with the following provision:

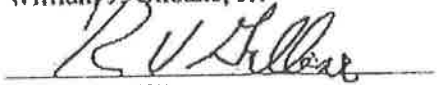
SECTION 8.01. Contracts, etc., How Executed. Unless the Board of Directors shall otherwise determine, the Chairman, Vice Chairman, President, Executive Vice President, any Vice President, or the Treasurer may enter into any contract or execute any contract or other instrument, the execution of which is not otherwise specifically provided for, in the name and on behalf of the Corporation. The Board of Directors, except as in these Bylaws otherwise provided, may authorize any other or additional officer or officers, agent or agents, of the Corporation to enter into any contract or execute and deliver any contract or other instrument in the name and on behalf of the Corporation, and such authority may be general or confined to specific instances. Unless authorized so to do by these Bylaws or by the Board of Directors, no officer, agent, or employee shall have any power or authority to bind the Corporation by any contract or engagement, or to pledge its credit, or to render it liable pecuniarily for any purpose or to any amount.

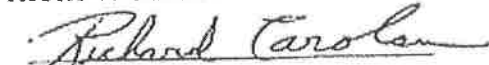
Dated as of the 8th day of May , 2008


Paul J. Choquette, Jr.


Thomas F. Gilbane, Jr.


William J. Gilbane, Jr.


Robert V. Gilbane


Richard Carolan

ATTACHMENTS

ATTACHMENT I - CONTRACT DOCUMENTS - THE DRAWINGS

ATTACHMENT II - CONTRACT DOCUMENTS - THE SPECIFICATIONS

ATTACHMENT III - CONTRACT DOCUMENTS - ADDITIONAL CONTRACT DOCUMENTS

ATTACHMENT IV - CONTRACT DOCUMENTS - SALARY AND WAGE SCHEDULE

ATTACHMENT V - CONTRACT DOCUMENTS -- THE CONSTRUCTION SCHEDULE

END OF EXHIBIT "A"



Northeast High School – Single Point of Entry

Gilbane Job No. J07393.100

ATTACHMENT I CONTRACT DOCUMENTS – THE DRAWINGS

DRAWING	DESCRIPTION	DATE
DOORS, FRAMES AND HARDWARE REPLACEMENT		
	COVER SHEET	04/17/2017
GN02-001	BLDG #2, #4, #8 & #10 DOOR / HARDWARE REPLACEMENT- INDEX AND GENERAL NOTES	05/11/2017
A02-600	BLDG # 2 -DOOR/HARDWARE REPLACEMENT-FLOOR PLAN / SCHEDULE / DETAILS	05/11/2017
A04-600	BLDG # 4 -DOOR/HARDWARE REPLACEMENT-FLOOR PLAN / SCHEDULE / DETAILS	04/17/2017
A08-600	BLDG # 8 -DOOR/HARDWARE REPLACEMENT-FLOOR PLAN / SCHEDULE / DETAILS	05/11/2017
A10-600.1	BLDG # 10 -DOOR/HARDWARE REPLACEMENT -FLOOR PLAN / SCHEDULE / DETAILS (NORTH)	05/11/2017
A10-600.2	BLDG # 10 -DOOR/HARDWARE REPLACEMENT -FLOOR PLAN / SCHEDULE / DETAILS (SOUTH)	05/11/2017
SINGLE POINT OF ENTRY		
	COVER SHEET	03/16/2017
GN-001	BUILDING #1 – SINGLE POINT OF ENTRY – GENERAL NOTES	04/17/2017
A-101	CAMPUES SITE PLAN	04/17/2017
A01-101	BUILDING #1 –SINGLE POINT OF ENTRY - DEMO/FLOOR PLAN/REFLECTED CEILING PLAN	05/17/2017
A01-102	BUILDING #1 –SINGLE POINT OF ENTRY – CANOPY DETAILS	05/17/2017
E-001	ELECTRICAL GENERAL NOTES AND LEGEND	04/17/2017
E-002	ELECTRICAL LEGEND, DETAILS, AND LUMINAIRE	04/17/2017
E-201	BLDG #1 – SINGLE POINT OF ENTRY ELECTRICAL PLANS	05/17/2017
E-202	BLDG #1 – SINGLE POINT OF ENTRY PHOTOMETRIC PLANS	04/17/2017



Established 1915

BROWARD County Public Schools

**THE SCHOOL BOARD OF BROWARD COUNTY FLORIDA
NORTHEAST HIGH SCHOOL**

700 NE 56th St, Oakland Park, FL 33334

RFP NO. P. 001684

DOOR / HARDWARE REPLACEMENT

100% CD'S

04.17.17

Project Number: 001684
Project Name: Door / Hardware Replacement
Project Location: Northeast High School
Project Manager: [Name]
Date: 04/17/17



BOARD OF COMMISSIONERS

- DISTRICT 1: ANN MURRAY
- DISTRICT 2: PATRICIA GOOD
- DISTRICT 3: HEATHER BRINKWORTH
- DISTRICT 4: ABBY M. FREEDMAN
- DISTRICT 5: DR. ROSALIND OSGOOD
- DISTRICT 6: LAURIE RICH LEVINSON
- DISTRICT 7: NORA RUPERT
- COUNTYWIDE AT-LARGE, SEAT 8: DONNA P. KORN
- COUNTYWIDE AT-LARGE, SEAT 9: ROBIN BARTLEMAN
- SUPERINTENDENT OF SCHOOL: ROBERT W. RUNCIE
- GENERAL COUNSEL: BARBARA J. MYRICK
- CHIEF FACILITIES OFFICER: LEO BOBADILLA

LOCATION

PROJECT LOCATION



PROJECT TEAM

#000000



RECEIVED

MAY 18 2017

BUILDING DEPARTMENT

PERMITS

PROJECT

PROJECT NO.

PROJECT NAME

PROJECT LOCATION

PROJECT DESCRIPTION

PROJECT STATUS

PROJECT CONTACT

1. DESIGNER: J. B. SMITH & ASSOCIATES, INC.
 2. DATE: 01/11/17
 3. PROJECT: NORTHGATE HIGH SCHOOL
 4. SHEET: 115-027-001
 5. COMMENTS: FLOOR PLAN / SCHEDULE / DETAILS

REVISIONS:
 NO. DESCRIPTION DATE
 1. REVISIONS TO BE MADE
 2. REVISIONS TO BE MADE
 3. REVISIONS TO BE MADE
 4. REVISIONS TO BE MADE
 5. REVISIONS TO BE MADE

PROJECT TEAM
 PROFESSIONAL IN CHARGE: J. B. SMITH
 ARCHITECT: J. B. SMITH
 APPROVED BY: J. B. SMITH
 DESIGNER: J. B. SMITH
 DRAWN BY: J. B. SMITH
 CHECKED BY: J. B. SMITH

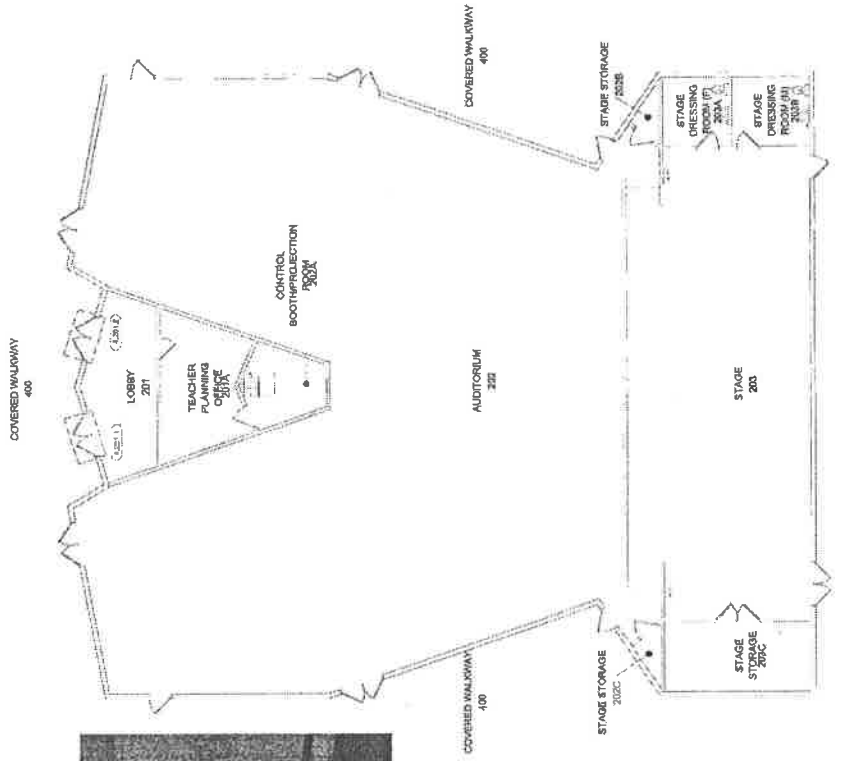
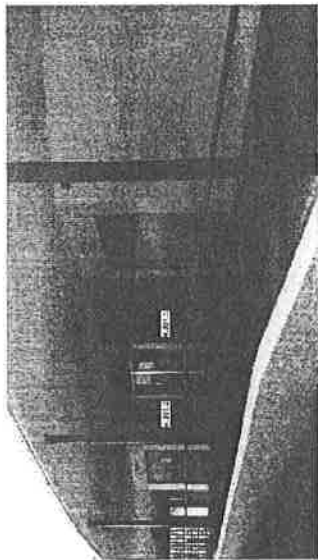
FLOOR PLAN LEGEND
 1. FLOOR FINISH
 2. WALL FINISH
 3. CEILING FINISH
 4. DOOR FINISH
 5. WINDOW FINISH
 6. STAIR FINISH
 7. ELEVATOR FINISH
 8. MECHANICAL ROOM FINISH
 9. ELECTRICAL ROOM FINISH
 10. PLUMBING ROOM FINISH
 11. TELEPHONE ROOM FINISH
 12. JANETRY FINISH
 13. STORAGE FINISH
 14. STAIR WALKWAY FINISH
 15. COVERED WALKWAY FINISH

FLOOR PLAN GENERAL NOTES
 1. ALL FINISHES TO BE AS SHOWN ON THE FINISH SCHEDULE.
 2. ALL FINISHES TO BE AS SHOWN ON THE FINISH SCHEDULE.
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BLDG #4 -
 DOOR SCHEDULE
 REPLACEMENT
 FLOOR PLAN /
 SCHEDULE / DETAILS

SHEET TITLE



1 BLDG #4 - FLOOR PLAN GROUND LEVEL DOORS

DOOR SCHEDULE

REFER TO SPECIFIED HARDWARE GROUP DESCRIPTION

DOOR NUMBER	TYPE	WIDTH	HEIGHT	MATERIAL	FINISH	REMARKS	COMMENT
1001	SCHEPERS	3'-0"	7'-0"	ALUMINUM	303	STAGE DOOR	REPLACE EXISTING DOOR
1002	SCHEPERS	3'-0"	7'-0"	ALUMINUM	303	STAGE DOOR	REPLACE EXISTING DOOR

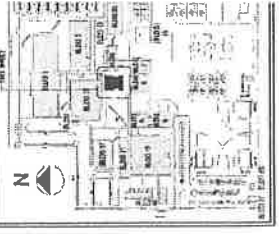


2 DOOR TYPE ELEVATION



3 FRAME ELEVATION

KEY PLAN



ACCAI

SUPERSEDED

SUBMITTALS:
 1. SHOP DRAWINGS
 2. MATERIAL SAMPLES
 3. FINISH SCHEDULE
 4. SCHEDULE OF WORK
 5. PROGRESS PHOTOS
 6. AS-BUILT DRAWINGS

REVISIONS:
 1. NO. DATE
 2. DESCRIPTION
 3. BY
 4. DATE

PROJECT:
 NORTH EAST HIGH SCHOOL
 700 NE 2nd St, Ocala, FL 32177

DESIGNED BY:
 ARCHITECT: GIBSON-CORRIGAN
 1000 W. GALT OCEAN BLVD
 SUITE 100
 OCEOLA, FL 32069
 PHONE: 352.344.4400



BLDG # 8 -
 DOOR/HARDWARE
 REPLACEMENT -
 FLOOR PLAN /
 SCHEDULE / DETAILS

16-027 G01

PROJECT NUMBER:
A08-600

16-027 G01

PROJECT NAME:
 NORTH EAST HIGH SCHOOL

ARCHITECT OF RECORD:
 GIBSON-CORRIGAN ARCHITECTS

DATE:
 08/15/2017

BY:
 J. B. WOOD

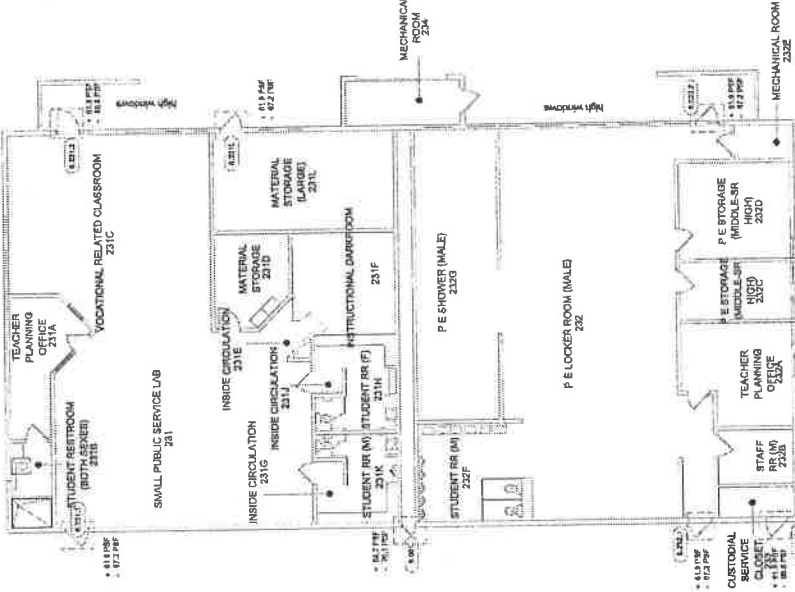
SCALE:
 1/8" = 1'-0"

FLOOR PLAN LEGEND

SYMBOLS AND NOTATIONS:
 - WALL: THICK LINE
 - WINDOW: TWO THIN LINES
 - DOOR: ARC AND SWEEP
 - PARTITION: DASHED LINE
 - GLASS PARTITION: DASHED LINE WITH DIAGONALS
 - CURTAIN WALL: DASHED LINE WITH DIAGONALS AND STIPPLES
 - MECHANICAL ROOM: STIPPLED AREA
 - VENTILATION: WAVE-LINE SYMBOL

FLOOR PLAN GENERAL NOTES

- VERIFY ALL ROOM SIZES AND FINISHES WITH THE ARCHITECT OF RECORD.
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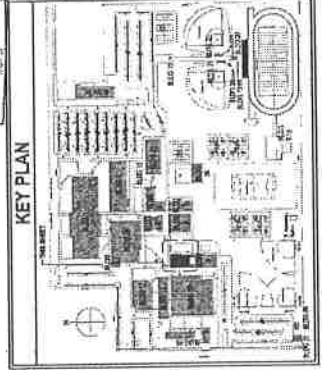


BLDG # 8 - FLOOR PLAN - HARDWARE REPLACEMENT ONLY

DOOR SCHEDULE

REFER TO G.O.D. PRINTS FOR HARDWARE AND/OR FINISHES.

DOOR	TYPE	MATERIAL	GLASS	FINISH	COMMENTS
1. 1.1	EXTERIOR SWIRL DOOR - PE LOCKER ROOM, SEE ELEV. B	SWIRL	0	1	
1. 1.2	EXTERIOR SWIRL DOOR - PE LOCKER ROOM, SEE ELEV. D	SWIRL	0	2	
1. 2.1	EXTERIOR SWIRL DOOR - CUSTODIAL, STORAGE, SEE ELEV. A	SWIRL	0	1	
1. 2.2	EXTERIOR SWIRL DOOR - CUSTODIAL, STORAGE, SEE ELEV. A	SWIRL	0	2	
1. 2.3	EXTERIOR SWIRL DOOR - PE LOCKER ROOM, SEE ELEV. B	SWIRL	0	1	
1. 2.4	EXTERIOR SWIRL DOOR - PE LOCKER ROOM, SEE ELEV. B	SWIRL	0	2	
1. 2.5	EXTERIOR SWIRL DOOR - CUSTODIAL, STORAGE, SEE ELEV. A	SWIRL	0	1	
1. 2.6	EXTERIOR SWIRL DOOR - CUSTODIAL, STORAGE, SEE ELEV. A	SWIRL	0	2	



PERMITTED

RECEIVED

BLDG # 8 -
DOOR HARDWARE
REPLACEMENT -
FLOOR PLAN /
SCHEDULE / DETAILS

DESIGN CONSULTANT
NORTH EAST HIGH SCHOOL
700 W. 10th St., Okla. Falls, TX 79301

BLDG # 8 -
DOOR HARDWARE
REPLACEMENT -
FLOOR PLAN /
SCHEDULE / DETAILS

DESIGNED BY
D.R.A.W.N.B.Y.

CHECKED BY
D.R.A.W.N.B.Y.

DATE

PROJECT NAME
OPERATIONAL IN COURSE

AGENCY CONTACT
NORTH EAST HIGH SCHOOL

DESIGNED BY
D.R.A.W.N.B.Y.

CHECKED BY
D.R.A.W.N.B.Y.

DATE

PROJECT NAME
OPERATIONAL IN COURSE

AGENCY CONTACT
NORTH EAST HIGH SCHOOL

DESIGNED BY
D.R.A.W.N.B.Y.

CHECKED BY
D.R.A.W.N.B.Y.

DATE

PROJECT NAME
OPERATIONAL IN COURSE

AGENCY CONTACT
NORTH EAST HIGH SCHOOL

DESIGNED BY
D.R.A.W.N.B.Y.

CHECKED BY
D.R.A.W.N.B.Y.

DATE

PROJECT NAME
OPERATIONAL IN COURSE

AGENCY CONTACT
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DESIGNED BY
D.R.A.W.N.B.Y.

CHECKED BY
D.R.A.W.N.B.Y.

DATE

PROJECT NAME
OPERATIONAL IN COURSE

AGENCY CONTACT
NORTH EAST HIGH SCHOOL

DESIGNED BY
D.R.A.W.N.B.Y.

CHECKED BY
D.R.A.W.N.B.Y.

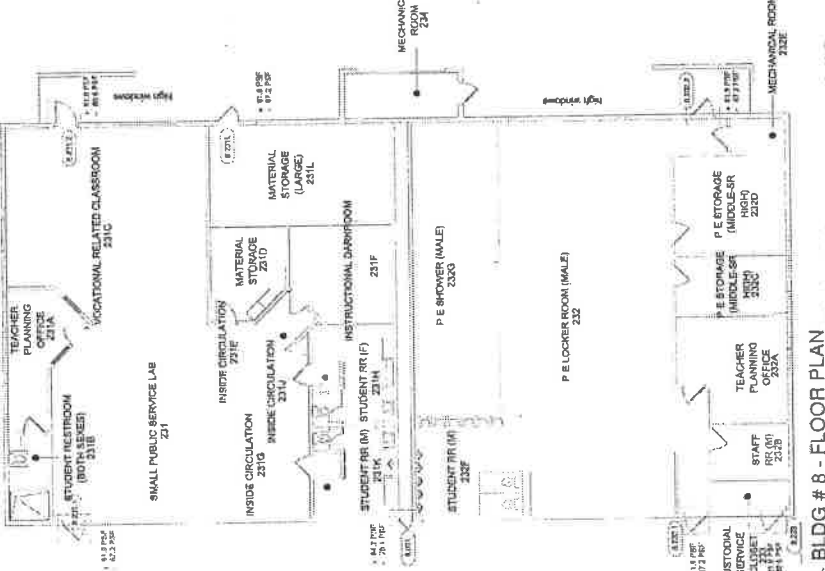
DATE

FLOOR PLAN LEGEND

STANDARD DOOR	STANDARD WINDOW	GLASS DOOR	GLASS WINDOW
GLASS DOOR WITH TRANSOM	GLASS WINDOW WITH TRANSOM	GLASS DOOR WITH TRANSOM AND SILL	GLASS WINDOW WITH TRANSOM AND SILL
GLASS DOOR WITH TRANSOM AND SILL	GLASS WINDOW WITH TRANSOM AND SILL	GLASS DOOR WITH TRANSOM AND SILL AND GLASS BLOCK	GLASS WINDOW WITH TRANSOM AND SILL AND GLASS BLOCK
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FLOOR PLAN GENERAL NOTES

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10. ALL DOOR AND WINDOW SCHEDULES SHALL BE AS SHOWN UNLESS OTHERWISE NOTED.



1. BLDG # 8 - FLOOR PLAN
1/8" = 1'-0"

DOOR SCHEDULE

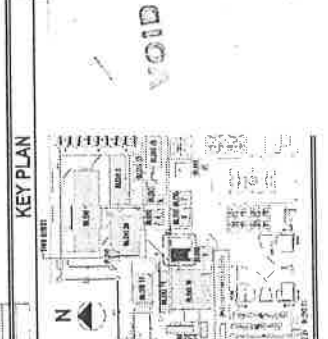
*REFER TO BLDG # 8 ARCH. FOR UNLESS OTHERWISE SPECIFIED

DOOR	TYPE	FINISH	HEIGHT	WIDTH	MATERIAL	GLASS	GLASS	ELEV.	REMARKS	COMMENTS
1.001	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. B	01	78"	36"	01	01	01	01	01	SEE ELEV. B FOR DETAILS
1.002	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. D	01	78"	36"	01	01	01	01	01	SEE ELEV. D FOR DETAILS
1.003	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. A	01	78"	36"	01	01	01	01	01	SEE ELEV. A FOR DETAILS
1.004	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. C	01	78"	36"	01	01	01	01	01	SEE ELEV. C FOR DETAILS
1.005	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. E	01	78"	36"	01	01	01	01	01	SEE ELEV. E FOR DETAILS
1.006	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. F	01	78"	36"	01	01	01	01	01	SEE ELEV. F FOR DETAILS
1.007	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. G	01	78"	36"	01	01	01	01	01	SEE ELEV. G FOR DETAILS
1.008	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. H	01	78"	36"	01	01	01	01	01	SEE ELEV. H FOR DETAILS
1.009	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. I	01	78"	36"	01	01	01	01	01	SEE ELEV. I FOR DETAILS
1.010	EXTENSION SINGLE DOOR - IN LOCKER ROOM SEE ELEV. J	01	78"	36"	01	01	01	01	01	SEE ELEV. J FOR DETAILS

2. DOOR TYPE ELEVATIONS
3/8" = 1'-0"



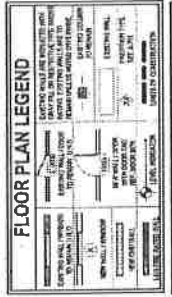
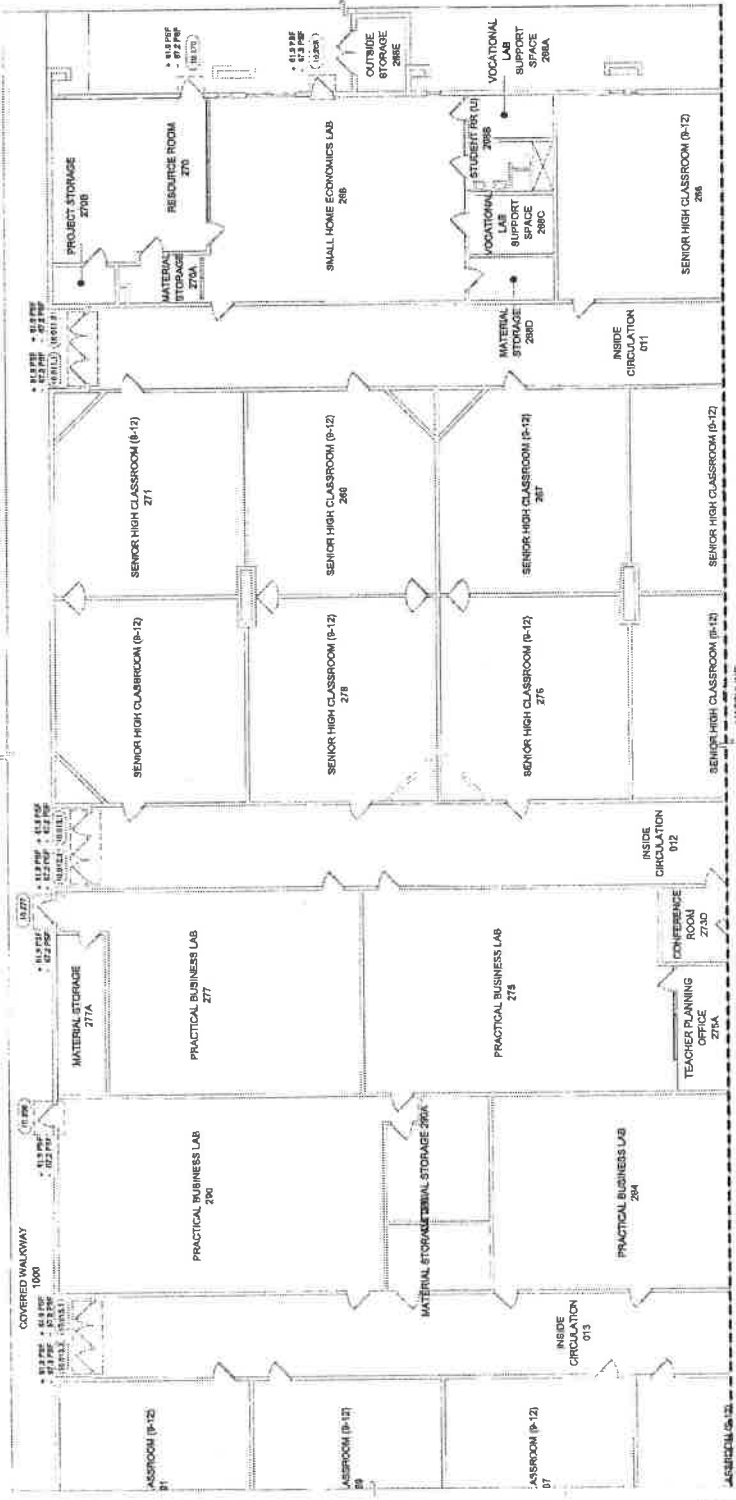
3. FRAME ELEVATIONS
3/8" = 1'-0"



SUPERSEDED

ACCAI

VOID



FLOOR PLAN GENERAL NOTES

1. REFER TO THE ARCHITECTURAL SPECIFICATIONS AND NOTES FOR A COMPLETE LIST OF MATERIALS AND FINISHES.

2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE IBC AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.

3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE IBC AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.

4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE IBC AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.

BLDG # 10 - FLOOR PLAN (NORTH) DOORS - HARDWARE REPLACEMENT ONLY

DOOR	NO.	TYPE	LOCATION	MARKING	REMARKS
10-001	1	EXTERIOR DOUBLE DOOR	CLASROOM (P-12)	SEE ELEV. B	
10-002	2	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. E	
10-003	3	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. G	
10-004	4	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. H	
10-005	5	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. I	
10-006	6	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. J	
10-007	7	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. K	
10-008	8	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. L	
10-009	9	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. M	
10-010	10	EXTERIOR SINGLE DOOR	CLASROOM (P-12)	SEE ELEV. N	

DOOR	NO.	MARKING	REMARKS
10-011	11	11	
10-012	12	12	
10-013	13	13	
10-014	14	14	
10-015	15	15	
10-016	16	16	
10-017	17	17	
10-018	18	18	
10-019	19	19	
10-020	20	20	

DOOR SCHEDULE

DOOR	NO.	MARKING	REMARKS
10-021	21	21	
10-022	22	22	
10-023	23	23	
10-024	24	24	
10-025	25	25	
10-026	26	26	
10-027	27	27	
10-028	28	28	
10-029	29	29	
10-030	30	30	



APPROVED BY: _____
 PROJECT TEAM
 PROFESSIONAL IN CHARGE

DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____

REGISTERED ARCHITECT
 PROFESSIONAL IN CHARGE



NORTHEAST HIGH SCHOOL
 1000 N. 15TH AVE., SUITE 100
 DENVER, CO 80202

BLDG # 10
 DOOR HARDWARE
 REPLACEMENT
 FLOOR PLAN /
 SCHEDULE / DETAILS
 (NORTH)

SWERY TITLE
 ARCHITECTS, P.C.
 16-027 G01
 A10-600.1

REGISTERED ARCHITECT
 PROFESSIONAL IN CHARGE
 PROJECT NUMBER
 A10-600.1
 PROJECT TITLE
 DOOR HARDWARE REPLACEMENT
 FLOOR PLAN / SCHEDULE / DETAILS
 (NORTH)

FLOOR PLAN LEGEND

INTERRUPTING ROOMS	REVISIONS
DOOR	DATE
FRAME	BY
REVISIONS	DATE
BY	DATE

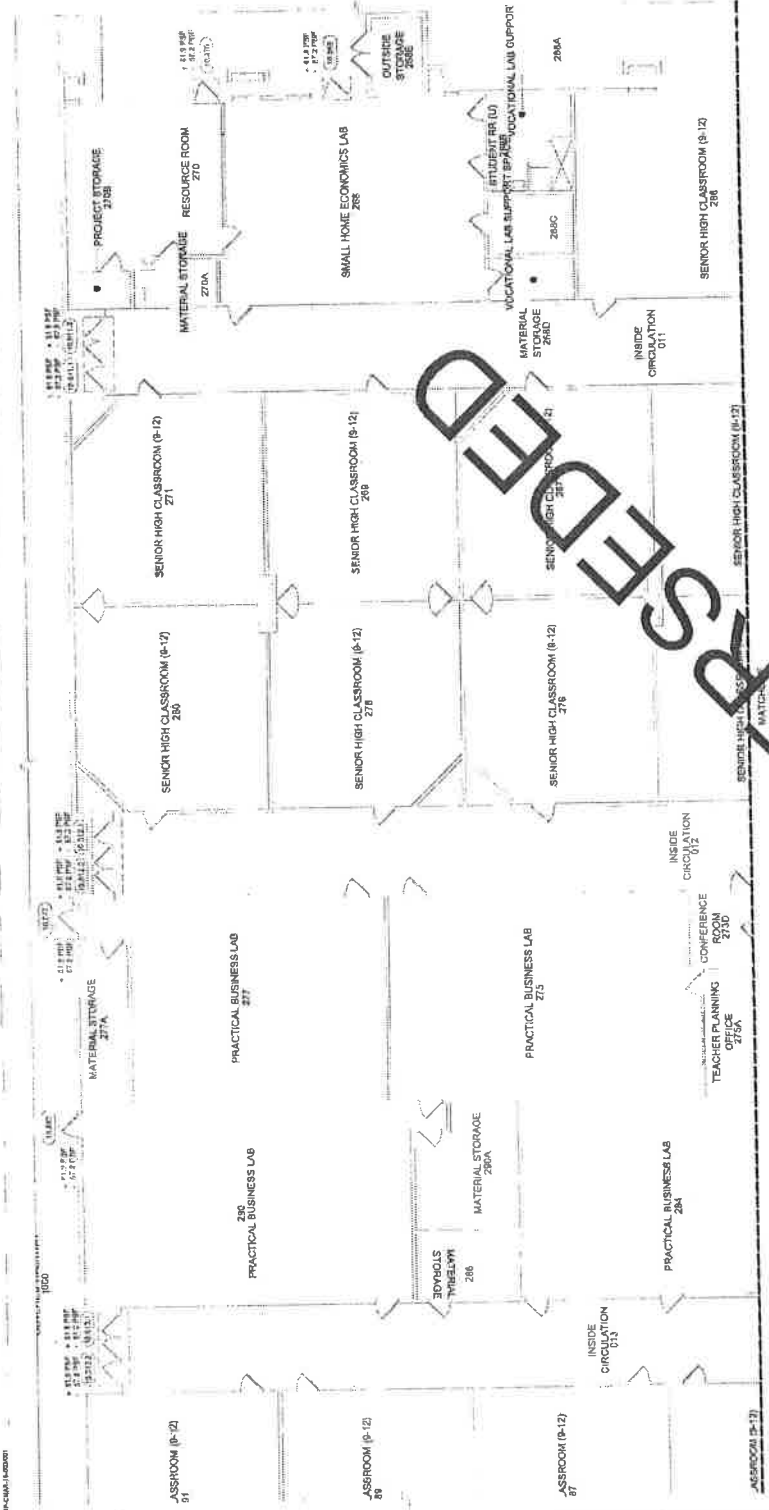
FLOOR PLAN GENERAL NOTES

1. ALL ROOMS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
2. ALL WALLS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
3. ALL FLOORS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
4. ALL CEILING SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
5. ALL LIGHT FIXTURES SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
6. ALL ELECTRICAL SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
7. ALL MECHANICAL SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
8. ALL PLUMBING SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
9. ALL PAINT SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
10. ALL GLASS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
11. ALL METALS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
12. ALL WOOD SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
13. ALL STONE SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
14. ALL TILE SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
15. ALL CERAMIC SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
16. ALL GROUT SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
17. ALL JOINTS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
18. ALL TRIM SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
19. ALL HANDRAILS SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
20. ALL SIGNAGE SHALL BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.



BLDG # 10 -
 DOOR/FRAME REPLACEMENT
 FLOOR PLAN /
 SCHEDULE DETAILS
 (NORTH)
 SHEET TITLE

ACA

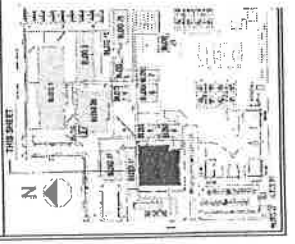


BLDG # 10 - FLOOR PLAN (NORTH) DOORS

DOOR SCHEDULE

SECTION TO BE SPECIFIED FOR UNIFORMITY OF DESCRIPTION

DOOR NUMBER	TYPE	WIDTH	HEIGHT	MATERIAL	GLASS	FRAME	FINISH
10101	EXTENSION DOUBLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10102	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10103	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10104	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10105	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10106	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10107	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10108	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10109	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10110	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10111	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10112	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10113	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10114	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10115	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10116	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10117	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10118	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10119	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT
10120	EXTENSION SINGLE DOOR	36	84	ALUMINUM	GLASS	ALUMINUM	PAINT



SUBMITTAL
 NO. 101
 DATE: 08/14/17
 DRAWN BY: J. W. B. / J. W. B.
 CHECKED BY: J. W. B. / J. W. B.
 APPROVED BY: J. W. B. / J. W. B.
 PROJECT: BLDG #10 - DOORHARDWARE REPLACEMENT - FLOOR PLAN SCHEDULE DETAILS (SOUTH)



BLDG #10 - DOORHARDWARE REPLACEMENT - FLOOR PLAN SCHEDULE DETAILS (SOUTH)

DATE: 08/14/17

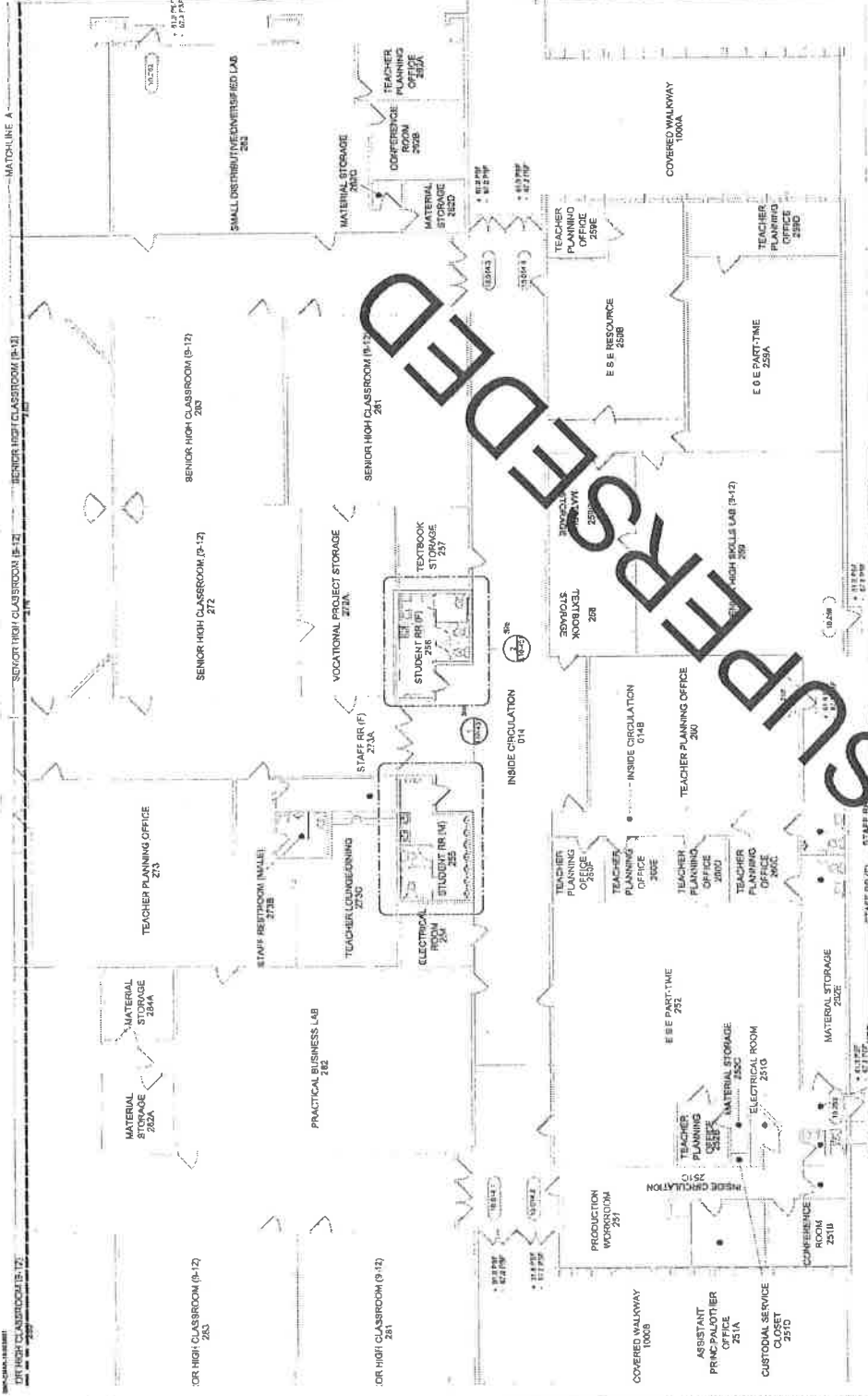
ACCAI

FLOOR PLAN LEGEND

WALL	DOOR	WINDOW	CEILING
FLOOR	STAIR	ELEVATOR	MECHANICAL
MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL
MECHANICAL	MECHANICAL	MECHANICAL	MECHANICAL

FLOOR PLAN GENERAL NOTES

1. REFER TO ALL GENERAL NOTES AND SPECIFICATIONS FOR MATERIALS AND FINISHES.
2. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODE (IBC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
3. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL MECHANICAL ELECTRICAL PLUMBING (IMC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
4. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL FIRE AND SAFETY CODE (IFSC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
5. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL ENERGY CONSERVATION CODE (IECC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
6. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL SMOKE CONTROL CODE (ISCC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
7. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL SAFETY CODE (ISC) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
8. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL ACCESSIBILITY STANDARDS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
9. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL GREEN BUILDING RATING SYSTEM (LEED) AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.
10. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL WELL-BEING AND PRODUCTIVITY STANDARDS AND ALL APPLICABLE LOCAL, STATE AND FEDERAL CODES.



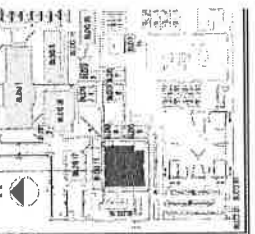
DOOR SCHEDULE

REFER TO ISD SHEET FOR LAYOUT AND DOOR SCHEDULE

DOOR NUMBER	TYPE	HEIGHT	FINISH	COMMENTS
10111	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10112	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10113	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10114	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10115	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10116	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10117	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10118	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10119	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...
10120	EXTERIOR DOUBLE DOOR - COMMON	8'-0"	101	DO TO PROVIDE NO...

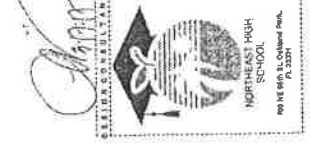
BLDG #10 - FLOOR PLAN (SOUTH) DOORS

SCALE: 1/8" = 1'-0"



DOOR TYPE ELEVATIONS (SOUTH) ②
FRAME ELEVATIONS (SOUTH) ③

SCALE: 3/8" = 1'-0"



BUILDING #1 - SINGLE POINT OF ENTRY - GENERAL NOTES

DATE: 01/28/2011

PROJECT DESCRIPTION

INSTALLATION OF APPROXIMATE 11,000 SF OF NEW CONSTRUCTION TO ACCOMMODATE 1,500 STUDENTS AND 100 TEACHERS. THE PROJECT WILL INCLUDE THE FOLLOWING:

- NEW CONSTRUCTION OF CLASSROOMS, STUDENT CENTER, AND ADMINISTRATIVE BUILDING.
- RENOVATION OF EXISTING CLASSROOMS AND OFFICES.
- INSTALLATION OF MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS.
- LANDSCAPE AND SITEWORK.

APPLICABLE CODES

THE FOLLOWING LIST OF APPLICABLE CODES AND THE AGENCY THAT ENFORCES THEM SHALL BE CONSIDERED TO BE A PART OF THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE CURRENT EDITIONS OF ALL APPLICABLE CODES AND THE AGENCY THAT ENFORCES THEM.

FLORIDA BUILDING CODE (FBC) - 6-01
 FLORIDA ELECTRICAL CODE (FEC) - 9-01
 FLORIDA MECHANICAL CODE (FMC) - 7-01
 FLORIDA PLUMBING CODE (FPC) - 8-01
 FLORIDA FIRE CODE (FFC) - 10-01
 FLORIDA LANDSCAPE ARCHITECTURE CODE (FLAC) - 11-01
 FLORIDA SIGNAGE CODE (FSC) - 12-01

BUILDING DATA

OWNER: NORTHEAST HIGH SCHOOL
 PROJECT NO: 11-00000000-01
 DRAWING NO: 11-00000000-01

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]

ARCHITECTURAL ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ACRYLIC FINISH
AD	ADHESIVE
AG	AGGREGATE
AL	ALUMINUM
AN	ANODIZED ALUMINUM
AP	APPLY
AS	ASPHALT
AT	ATTACHMENT
AV	AUTOMATIC VALVE
AW	AIRWAY
B	BLOCK
BC	BONDING
BD	BRICK
BE	BENTONITE
BF	BENTONITE FLOOR
BG	BLOCK GLASS
BH	BONDING AGENT
BI	BONDING INTERFACE
BL	BRICK LAMINATION
BM	BONDING MEDIUM
BN	BONDING NETWORK
BO	BONDING ORGANIC
BP	BONDING PRODUCT
BQ	BONDING QUANTITY
BR	BONDING RESIN
BS	BONDING SURFACE
BT	BONDING TREATMENT
BV	BONDING VENEER
BW	BONDING WALL
BY	BONDING YIELD
BZ	BONDING ZONE
CA	CALCIUM HYDROXIDE
CB	CALCIUM HYDROXIDE BONDING
CC	CALCIUM HYDROXIDE COATING
CD	CALCIUM HYDROXIDE COATING DENSIFIER
CE	CALCIUM HYDROXIDE COATING ENHANCER
CF	CALCIUM HYDROXIDE COATING FINISHER
CG	CALCIUM HYDROXIDE COATING GROUT
CH	CALCIUM HYDROXIDE COATING HARDENER
CI	CALCIUM HYDROXIDE COATING INHIBITOR
CJ	CALCIUM HYDROXIDE COATING JOINT
CK	CALCIUM HYDROXIDE COATING KEY
CL	CALCIUM HYDROXIDE COATING LAYER
CM	CALCIUM HYDROXIDE COATING MATRIX
CN	CALCIUM HYDROXIDE COATING MIXTURE
CO	CALCIUM HYDROXIDE COATING OXYGEN
CP	CALCIUM HYDROXIDE COATING POLYMER
CQ	CALCIUM HYDROXIDE COATING QUANTITY
CR	CALCIUM HYDROXIDE COATING RESIN
CS	CALCIUM HYDROXIDE COATING SURFACE
CT	CALCIUM HYDROXIDE COATING TREATMENT
CU	CALCIUM HYDROXIDE COATING VENEER
CV	CALCIUM HYDROXIDE COATING WALL
CW	CALCIUM HYDROXIDE COATING YIELD
CX	CALCIUM HYDROXIDE COATING ZONE

SHEET ORGANIZATION

GENERAL NOTES: 1-10
 ARCHITECTURAL ABBREVIATIONS: 11-15
 CONSTRUCTION NOTES: 16-20
 ELECTRICAL: 21-25
 MECHANICAL: 26-30
 PLUMBING: 31-35
 LANDSCAPE: 36-40
 SIGNAGE: 41-45

A01-101X

GENERAL CONSTRUCTION NOTES

- WORK SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, NATIONAL, AND LOCAL CODES AND REGULATIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT AND ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- ALL MATERIALS SHALL BE STORED PROPERLY TO PREVENT DAMAGE AND LOSS.
- ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- ALL MATERIALS SHALL BE DELIVERED TO THE PROJECT SITE ON TIME.
- ALL MATERIALS SHALL BE PROTECTED FROM DAMAGE AND LOSS.
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CONSTRUCTION NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, NATIONAL, AND LOCAL CODES AND REGULATIONS.
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- ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- ALL MATERIALS SHALL BE DELIVERED TO THE PROJECT SITE ON TIME.
- ALL MATERIALS SHALL BE PROTECTED FROM DAMAGE AND LOSS.
- ALL MATERIALS SHALL BE STORED PROPERLY TO PREVENT DAMAGE AND LOSS.
- ALL MATERIALS SHALL BE DELIVERED TO THE PROJECT SITE ON TIME.
- ALL MATERIALS SHALL BE PROTECTED FROM DAMAGE AND LOSS.

CONSTRUCTION NOTES

- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, NATIONAL, AND LOCAL CODES AND REGULATIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY THE ARCHITECT AND ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.
- ALL MATERIALS SHALL BE STORED PROPERLY TO PREVENT DAMAGE AND LOSS.
- ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
- ALL MATERIALS SHALL BE DELIVERED TO THE PROJECT SITE ON TIME.
- ALL MATERIALS SHALL BE PROTECTED FROM DAMAGE AND LOSS.
- ALL MATERIALS SHALL BE STORED PROPERLY TO PREVENT DAMAGE AND LOSS.
- ALL MATERIALS SHALL BE DELIVERED TO THE PROJECT SITE ON TIME.
- ALL MATERIALS SHALL BE PROTECTED FROM DAMAGE AND LOSS.

VOID

NO.	DESCRIPTION	DATE

P.O. JAGT KRAM
 PROFESSIONAL IN CHARGE
 ADDRESS: 10011 N. W. 11th AVE
 SUITE 1001
 MIAMI, FL 33197
 APPROVED BY: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____



CAMPUS SITE PLAN

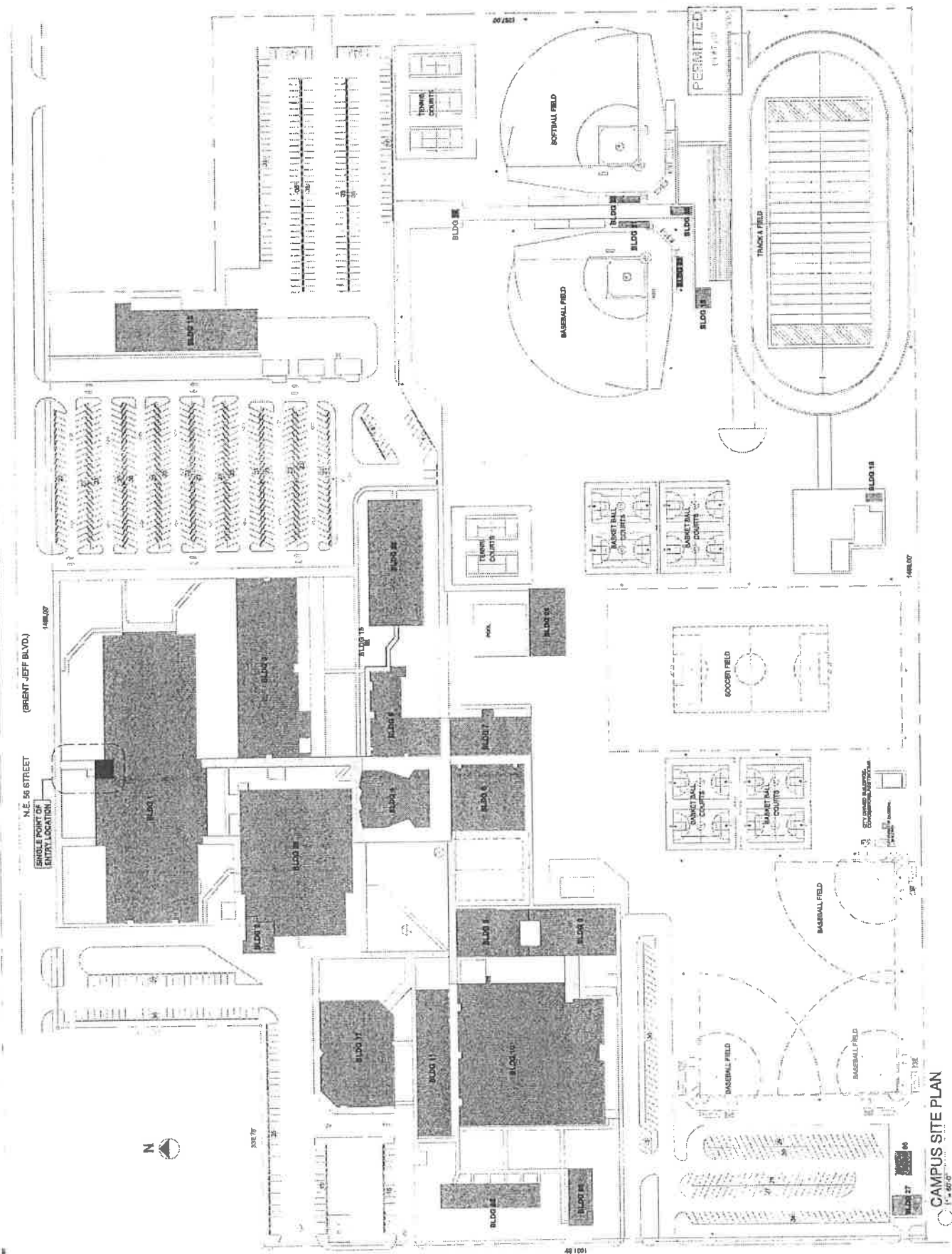
SHEET TITLE

AGAI
 ARCHITECTURAL GROUP
 2001 W. Cypress Creek Rd., Suite 200
 Fort Lauderdale, Florida 33309
 www.agaiarchitects.com
 ARCHITECT OF RECORD

16-027 G01
 PROJECT NUMBER

A-101

THIS PLAN IS TO BE USED FOR THE PROJECT ONLY. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF AGAI ARCHITECTS.



REVISIONS

NO.	DATE	DESCRIPTION
1	11/11/11	ISSUE FOR PERMIT
2	11/11/11	REVISED PER COMMENTS

FLOOR PLAN LEGEND

1. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

2. ALL WALLS ARE 12" THICK UNLESS OTHERWISE NOTED.

3. ALL FLOORS ARE 4" THICK UNLESS OTHERWISE NOTED.

4. ALL CEILING ARE 8" THICK UNLESS OTHERWISE NOTED.

5. ALL ROOFS ARE 6" THICK UNLESS OTHERWISE NOTED.

6. ALL DOORS ARE 36" WIDE UNLESS OTHERWISE NOTED.

7. ALL WINDOWS ARE 36" WIDE UNLESS OTHERWISE NOTED.

8. ALL STAIRS ARE 36" WIDE UNLESS OTHERWISE NOTED.

9. ALL ELEVATIONS ARE IN FEET UNLESS OTHERWISE NOTED.

10. ALL FINISHES ARE AS NOTED.

FLOOR PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL EXISTING AND PROPOSED WORK.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.

3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT AREAS AT ALL TIMES.

4. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

5. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS OF ALL WORK DONE.

6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT AREAS.

7. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT AREAS AT ALL TIMES.

8. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES AND STRUCTURES.

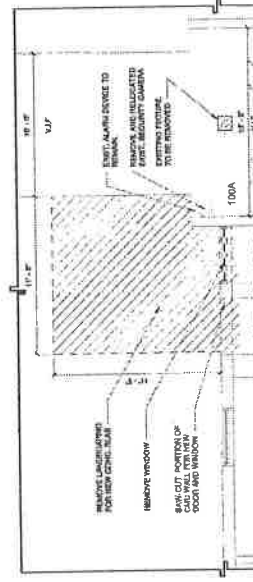
9. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS OF ALL WORK DONE.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ADJACENT AREAS.

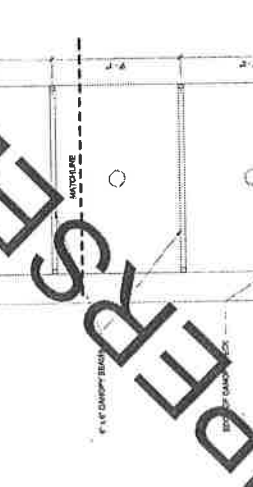
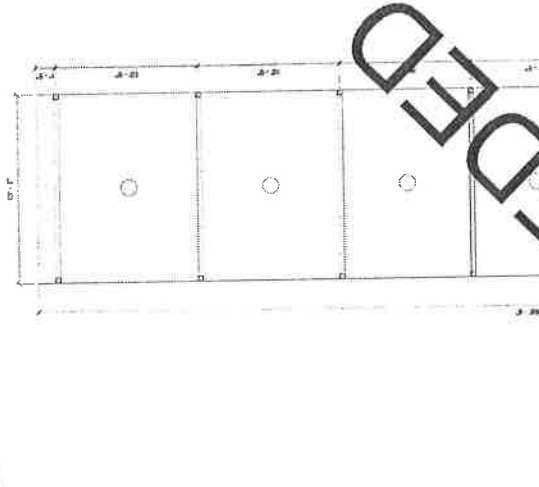


BUILDING #1 - SINGLE POINT OF ENTRY - DEMO OF REFLECTED CEILING PLAN

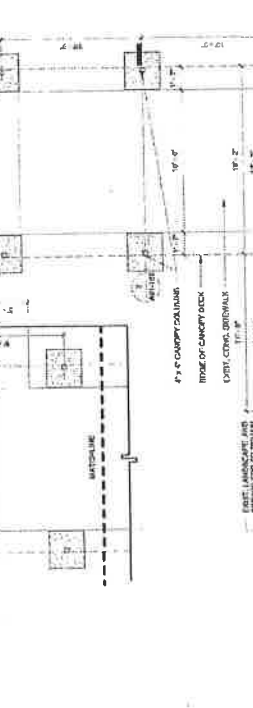
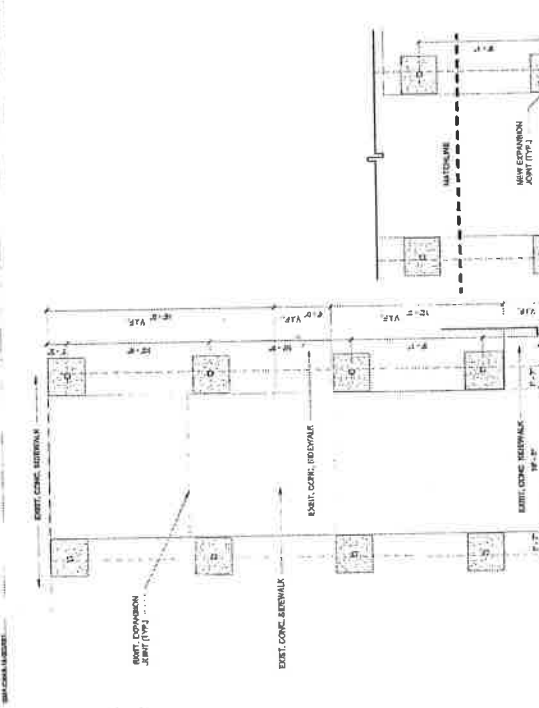
SCALE: 1/8" = 1'-0"



BLDG #1 - SPOE DEMOLITION PLAN
 1/8" = 1'-0"



SPOE CANOPY REFLECTED CEILING PLAN
 1/8" = 1'-0"



BLDG #1 - SPOE FLOOR PLAN
 1/8" = 1'-0"

NO.	DATE	DESCRIPTION
1	10/15/13	ISSUED FOR PERMITS
2	10/15/13	REVISED PER COMMENTS
3	10/15/13	REVISED PER COMMENTS
4	10/15/13	REVISED PER COMMENTS
5	10/15/13	REVISED PER COMMENTS
6	10/15/13	REVISED PER COMMENTS
7	10/15/13	REVISED PER COMMENTS
8	10/15/13	REVISED PER COMMENTS
9	10/15/13	REVISED PER COMMENTS
10	10/15/13	REVISED PER COMMENTS
11	10/15/13	REVISED PER COMMENTS
12	10/15/13	REVISED PER COMMENTS

DESIGNED BY: [NAME]
 DRAWN BY: [NAME]
 CHECKED BY: [NAME]
 APPROVED BY: [NAME]
 PROJECT NO: [NUMBER]
 SHEET NO: 15

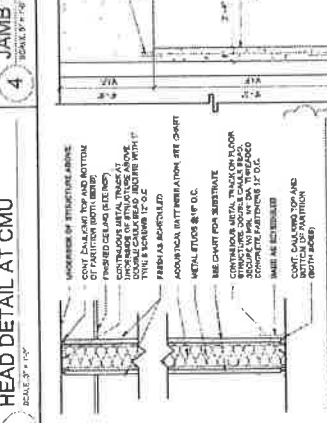
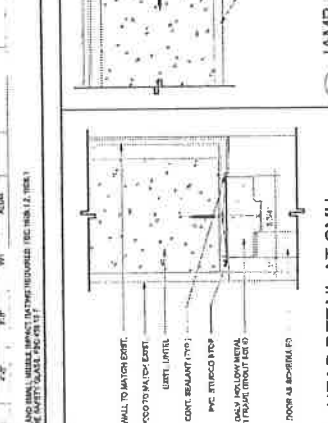
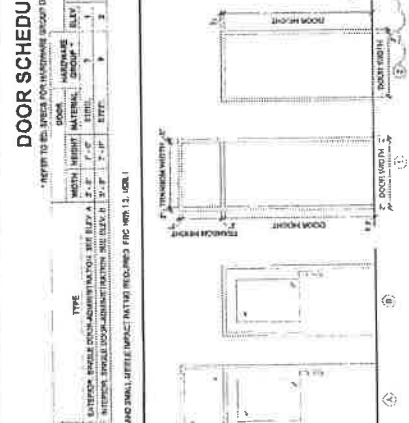
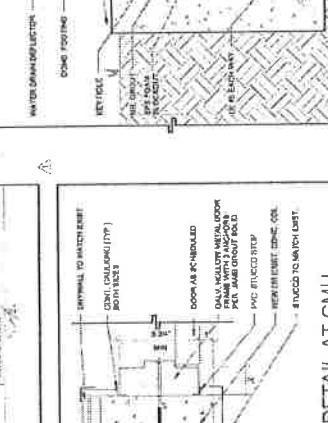
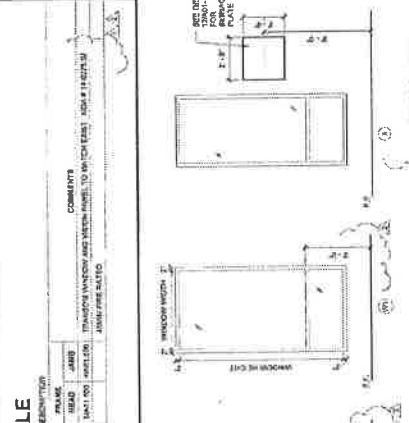
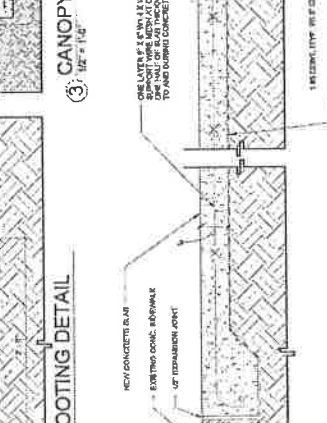
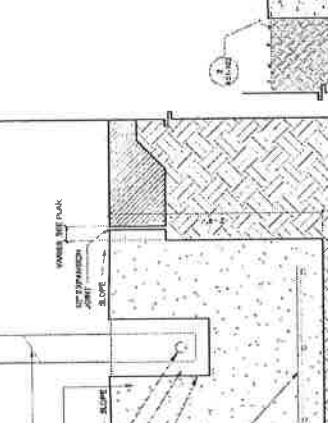
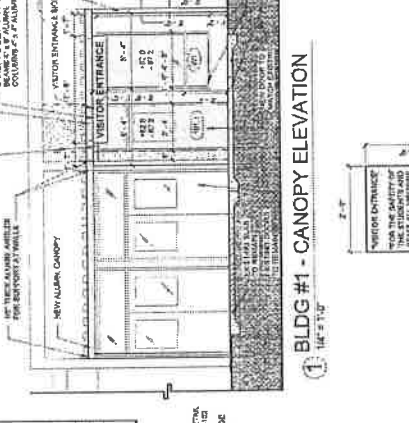
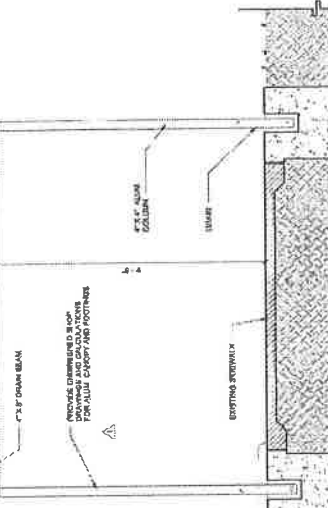
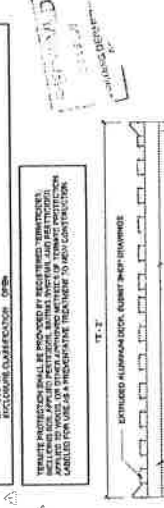
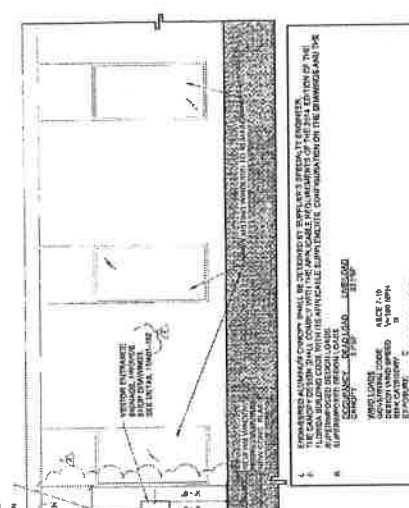


BUILDING #1 - SIGNAGE CANOPY DETAILS
 SHEET 15

PROJECT NUMBER: 16-027 G01
 PROJECT NAME: A01-102
 PROJECT LOCATION: [ADDRESS]
 PROJECT OWNER: [NAME]

DATE: 10/15/13
 PROJECT: BUILDING #1 - SIGNAGE CANOPY
 SHEET: 15

REVISIONS



DATE: 11/27/2023
 DRAWN BY: JAC
 CHECKED BY: JAC

REVISIONS

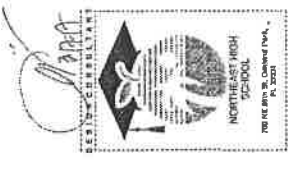
NO.	DESCRIPTION	DATE

P.A.S. ARCHITECTS
 PROFESSIONAL ARCHITECTS
 1000 W. 10TH ST., SUITE 100
 DENVER, CO 80202
 TEL: 303.733.1111
 WWW.PASARCHITECTS.COM

DESIGNED BY
 JAC

DRAWN BY
 JAC

CHECKED BY
 JAC

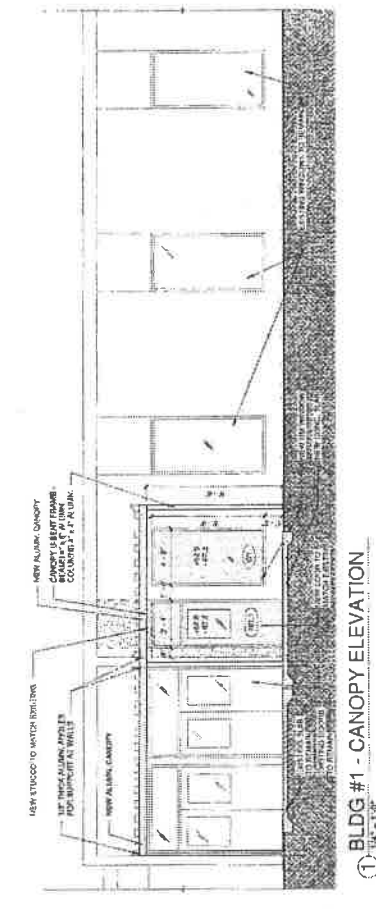


BUILDING #1 - SINGLE POINT OF ENTRY - CANOPY DETAILS

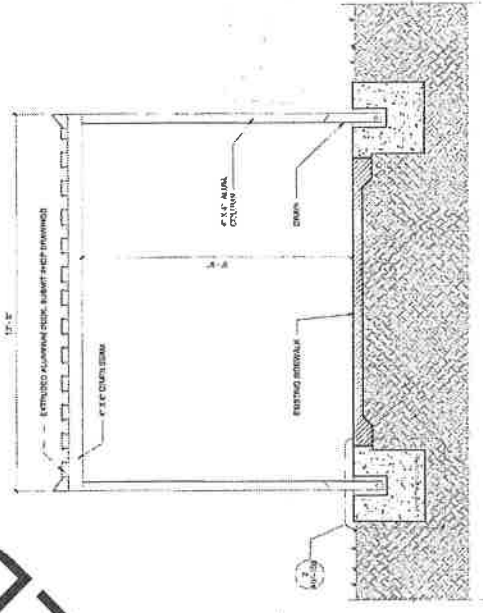
SHEET TITLE

ACAI

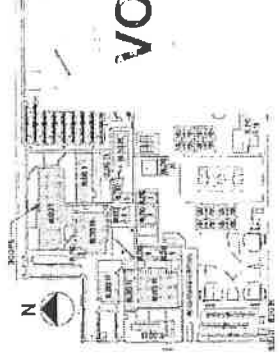
VOID



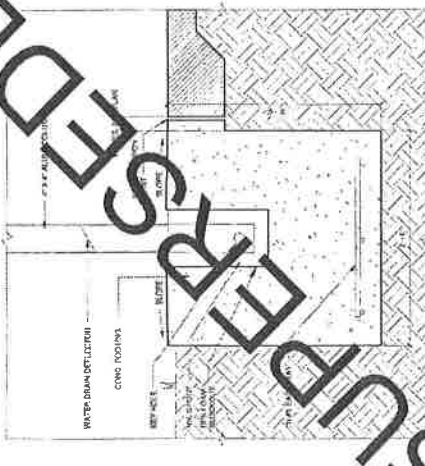
1 BLDG #1 - CANOPY ELEVATION
 1/4" = 1'-0"



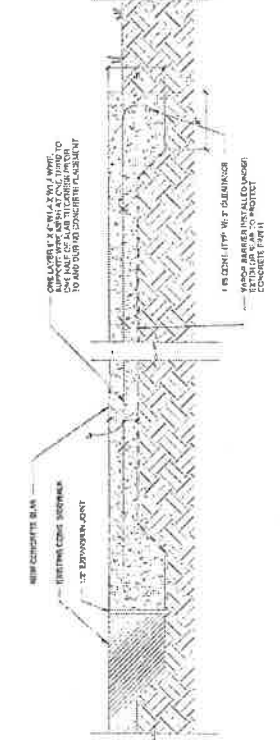
3 CANOPY U-BENT FRAME
 3/8" = 1'-0"



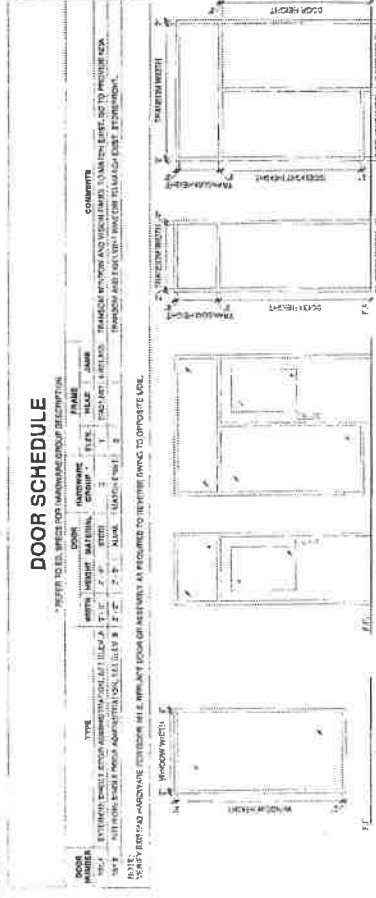
KEY PLAN



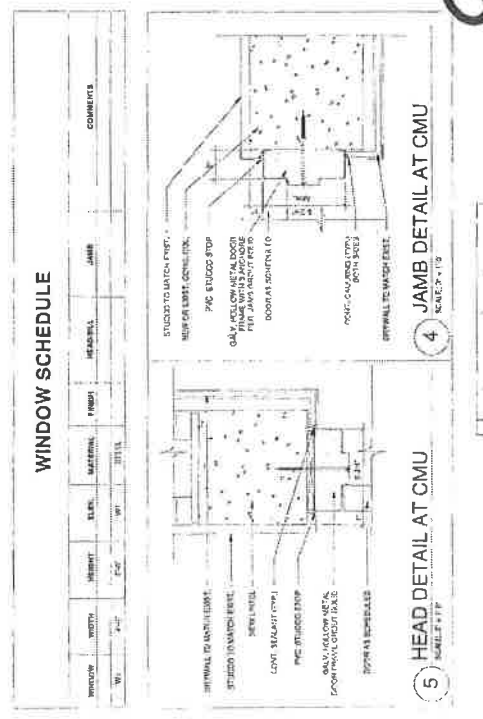
2 CANOPY FOOTING DETAIL
 1/2" = 1'-0"



8 NEW CONC. SLAB
 3/8" = 1'-0"

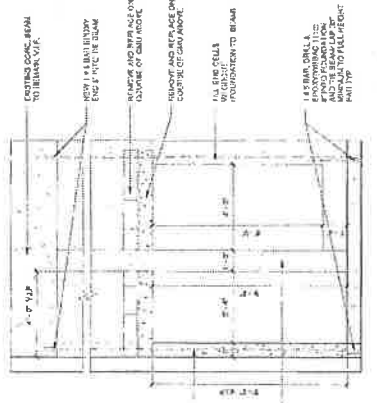


6 DOOR TYPE ELEV.
 3/8" = 1'-0"



5 HEAD DETAIL AT CMU
 3/8" = 1'-0"

4 JAMB DETAIL AT CMU
 3/8" = 1'-0"



9 OPENING IN EXISTING MASONRY WALL
 3/8" = 1'-0"

STUBS

DATE: 11/17/17
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DESIGNED BY: [Name]
 REVISED BY: [Name]

REVISIONS:

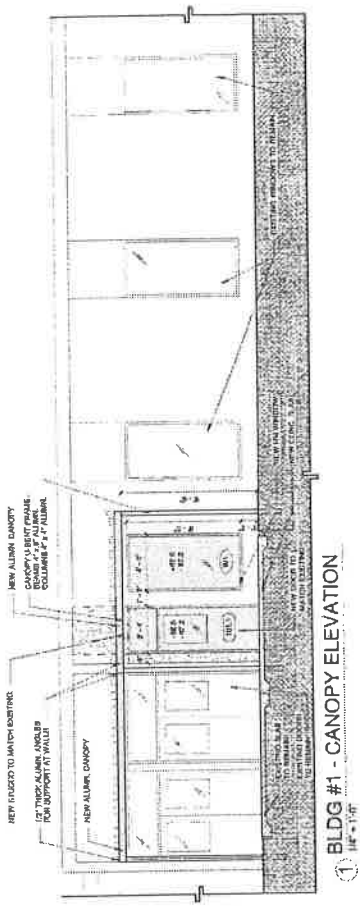
NO.	DATE	DESCRIPTION
1	11/17/17	ISSUE FOR PERMITS
2	11/17/17	ISSUE FOR PERMITS
3	11/17/17	ISSUE FOR PERMITS
4	11/17/17	ISSUE FOR PERMITS
5	11/17/17	ISSUE FOR PERMITS
6	11/17/17	ISSUE FOR PERMITS
7	11/17/17	ISSUE FOR PERMITS
8	11/17/17	ISSUE FOR PERMITS
9	11/17/17	ISSUE FOR PERMITS
10	11/17/17	ISSUE FOR PERMITS

PROJECT INFORMATION:
 PROJECT NAME: [Name]
 PROJECT ADDRESS: [Address]
 PROJECT CITY: [City]
 PROJECT STATE: [State]
 PROJECT ZIP: [Zip]



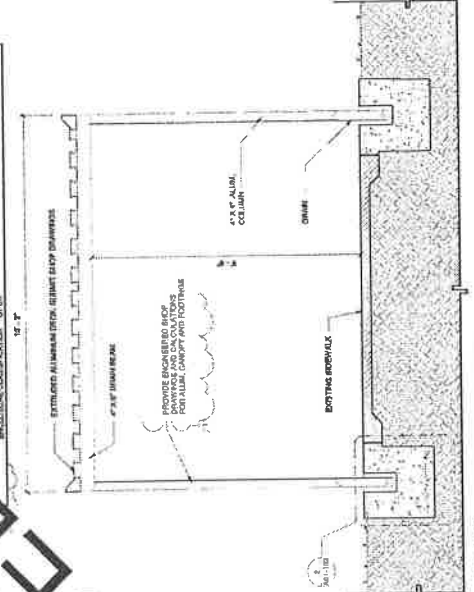
BUILDING #1 - SINGLE POINT OF ENTRY - CANOPY DETAILS

DATE: 11/17/17

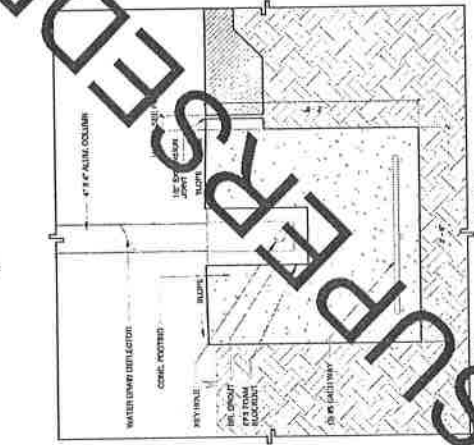


BLDG #1 - CANOPY ELEVATION
 SCALE: 1/8" = 1'-0"

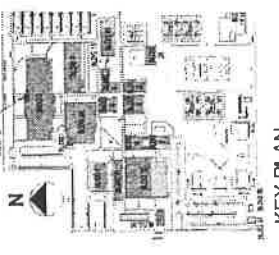
NOTES:
 1. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 2. NEW ALUM. CANOPY U-BENT FRAME TO MATCH EXISTING.
 3. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 4. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 5. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 6. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 7. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 8. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 9. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.
 10. PROVIDE 1/2" THICK ALUM. ANGLE FOR SUPPORT AT WALLS.



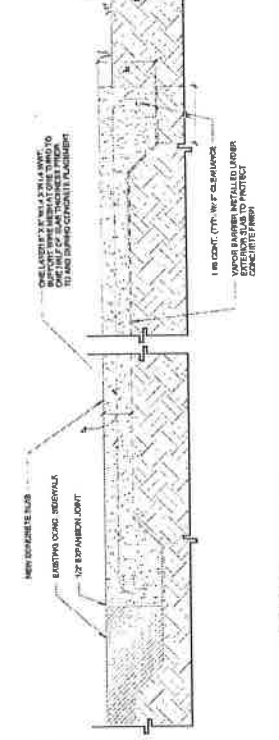
CANOPY U-BENT FRAME
 SCALE: 1/8" = 1'-0"



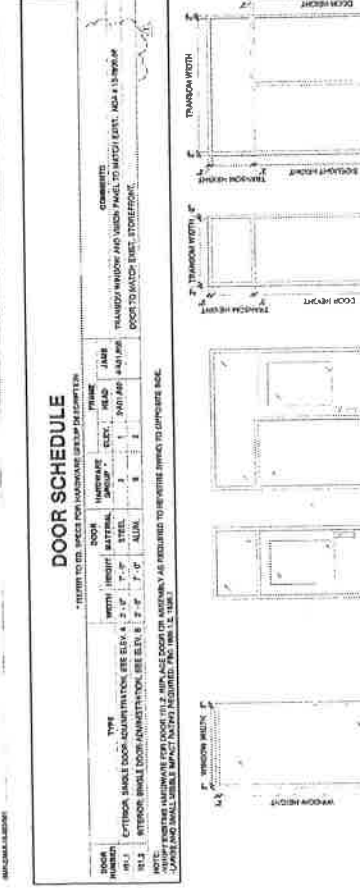
CANOPY FOOTING DETAIL
 SCALE: 1/8" = 1'-0"



KEY PLAN



NEW CONC. SLAB
 SCALE: 1/8" = 1'-0"



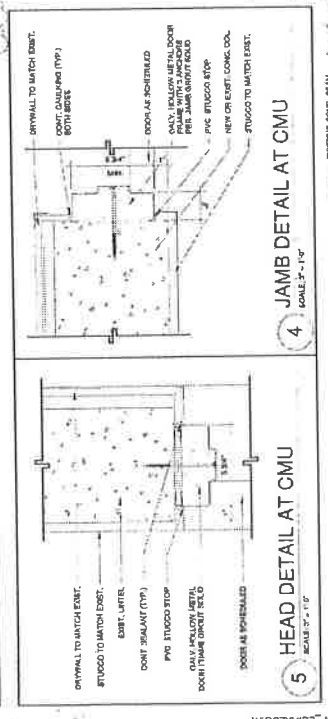
DOOR FRAME ELEV.
 SCALE: 3/8" = 1'-0"



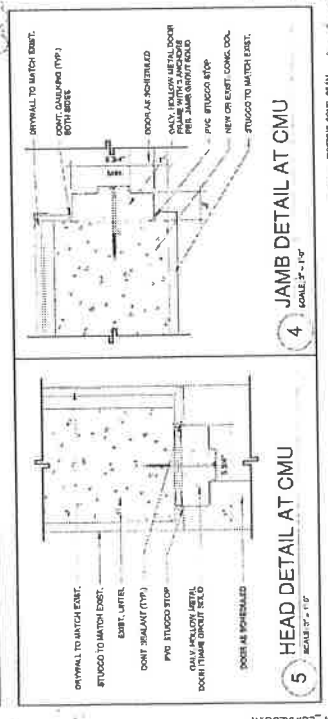
WINDOW TYPE ELEV.
 SCALE: 3/8" = 1'-0"

WINDOW SCHEDULE

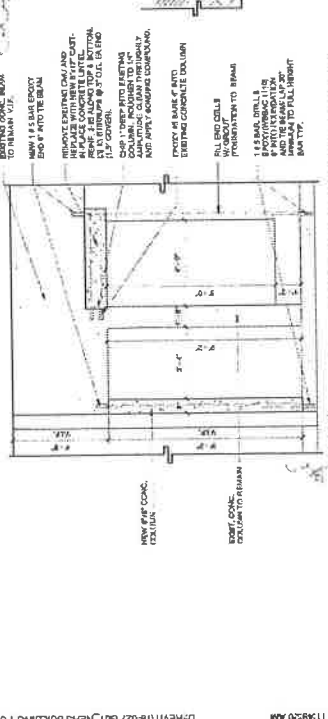
NO.	WIDTH	HEIGHT	TYPE	MATERIAL	FINISH	REMARKS
1	4'-0"	7'-0"	ALUM.	ALUM.	ALUM.	NO. 10-15 STEEL



DOOR JAMB DETAIL AT CMU
 SCALE: 3/8" = 1'-0"



DOOR HEAD DETAIL AT CMU
 SCALE: 3/8" = 1'-0"



OPENING IN EXISTING MASONRY WALL
 SCALE: 3/8" = 1'-0"

SUBMITTAL

DATE	REVISION
11/11/17	

NO.	DATE	DESCRIPTION
1	11/11/17	ISSUE FOR PERMIT

DATE	REVISION
11/11/17	

PROFESSIONAL IN CHARGE
REGISTERED PROFESSIONAL
 DESIGNATION: _____
 R U N N E R _____
 APPROVED BY _____
DESIGNED BY _____
DRAWN BY _____
CHECKED BY _____



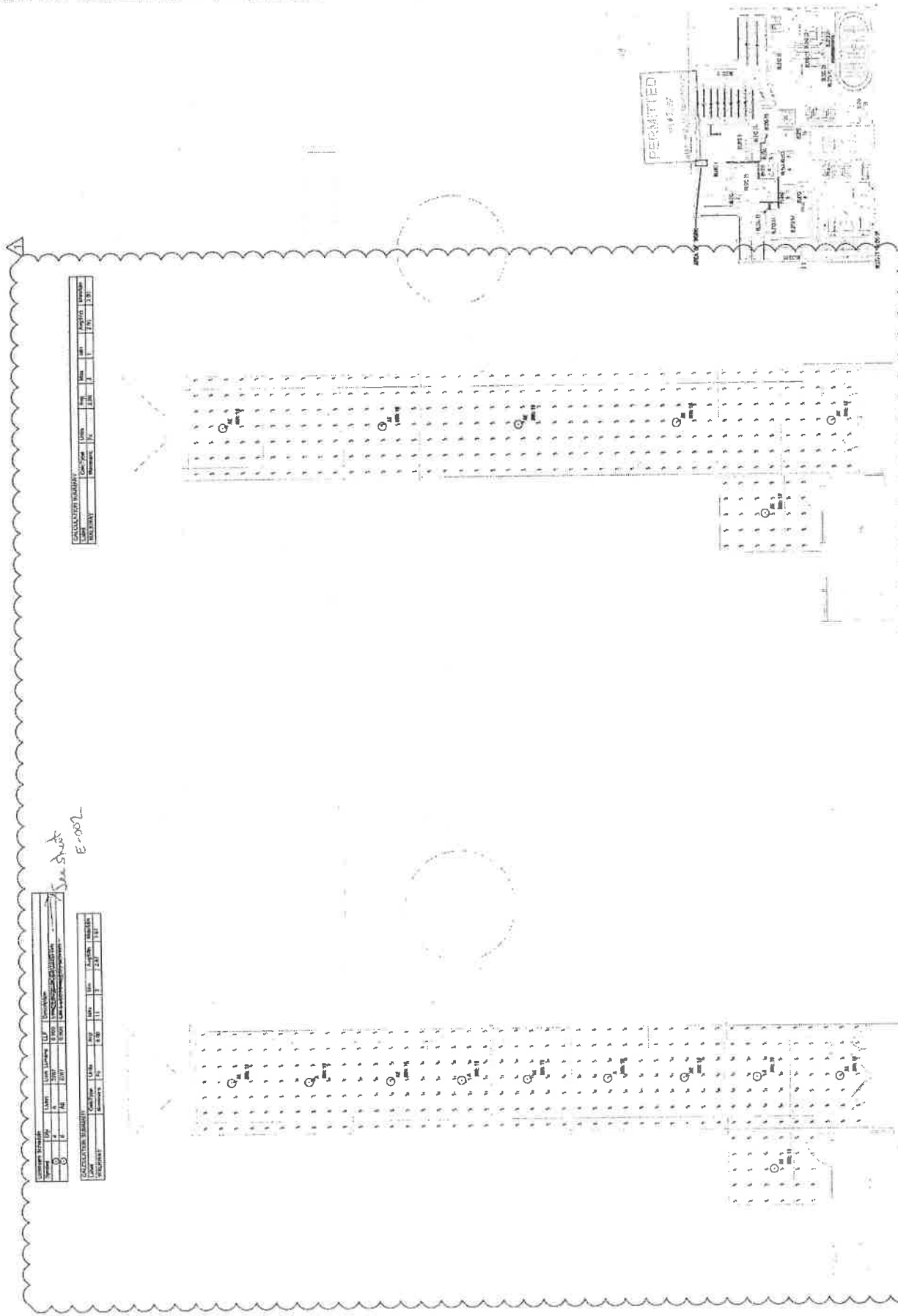
BLDG #1 - SINGLE POINT ENTRY - EGRESS PHOTOMETRIC PLANS



ACAI
 ARCHITECTURAL CONSULTANTS
 ARCHITECTURE, INTERIORS, ROOFING, CONSULTING, CONSTRUCTION MANAGEMENT
 100 W. 80th St., Suite 100
 The Woodlands, TX 77380
 ARCHITECT OF RECORD

PROJECT NUMBER
E-202

BLDG #1 - SPOE - EGRESS PHOTOMETRIC PLAN



See sheet E-202

NO.	DATE	DESCRIPTION
1	11/11/17	ISSUE FOR PERMIT

DATE	REVISION
11/11/17	

KEY PLAN
 BLDG #1 - SPOE - EGRESS PHOTOMETRIC PLAN
 BLDG #1 - SPOE - EGRESS PHOTOMETRIC PLAN

Level	Area	Area Code	Area Name	Area Type	Area Description	Area Status	Area Date	Area User
1	10	100	1000	1000	1000	1000	1000	1000

Level	Area	Area Code	Area Name	Area Type	Area Description	Area Status	Area Date	Area User
1	10	100	1000	1000	1000	1000	1000	1000

Level	Area	Area Code	Area Name	Area Type	Area Description	Area Status	Area Date	Area User
1	10	100	1000	1000	1000	1000	1000	1000

Level	Area	Area Code	Area Name	Area Type	Area Description	Area Status	Area Date	Area User
1	10	100	1000	1000	1000	1000	1000	1000

REVISIONS

No.	Date	Description
1	04/14/2014	ISSUED FOR PERMIT
2	04/14/2014	REVISED PER PERMIT COMMENTS

REVISIONS

No.	Date	Description
1	04/14/2014	ISSUED FOR PERMIT
2	04/14/2014	REVISED PER PERMIT COMMENTS

PROJECT: 2014-0001 - NORTH EAST HIGH SCHOOL

DESIGNED BY: JALINE

CHECKED BY: JALINE

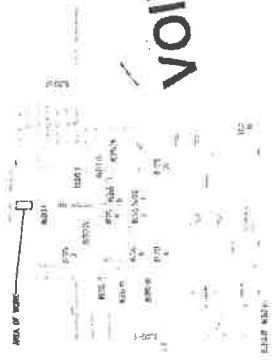
DRAWN BY: JALINE

DATE: 04/14/2014

PROJECT LOCATION: 700 NE 30th St, Oakland Park, FL 33334

BLDG #1 - SINGLE POINT OF ENTRY - EGRESS PHOTOMETRIC PLANS

DATE: 04/14/2014



VOID

① BLDG #1 - SPOE CANOPY - EGRESS PHOTOMETRIC PLAN

② BLDG #1 - SPOE - EMERGENCY EGRESS PHOTOMETRIC PLAN

KEY PLAN



Northeast High School – Single Point of Entry

Gilbane Job No. J07393.100

ATTACHMENT II CONTRACT DOCUMENTS – THE SPECIFICATIONS

SECTION	DESCRIPTION	DATE
DOORS, FRAMES AND HARDWARE REPLACEMENT		
00000	Title Page	4/17/2017
00006	Professional Signatures & Seals	4/17/2017
00010	Project Manual Index	3/24/2017
00015	List of Drawings	4/17/2017
00002	Project Directory	4/17/2017
01110	Summary of Work	4/17/2017
01230	Alternates	4/17/2017
01250	Contract Modification Procedures	4/17/2017
01250a	Proposal Request	4/17/2017
01250b	Change Order Request (Proposal)	4/17/2017
01250c	Proposal Worksheet Detail	4/17/2017
01250d	Proposal Worksheet Summary	4/17/2017
01250e	Construction Change Directive	4/17/2017
01250f	Project Consultant's Supplemental Instructions	4/17/2017
01250g	Construction Change Order Form	4/17/2017
01250h	Contingency Use Directive	4/17/2017
01270	Unit Prices	4/17/2017
01290	Payment Procedures	4/17/2017
01290a	Application for Payment	3/24/2017&4/17/ 2017
01295	Direct Owner Purchasing Program	4/17/2017
	SBBC Order Form	-
01295b	Vendor Request Form	4/17/2017
01295c	Invoice Summary	4/17/2017
01310	Project Management and Coordination	4/17/2017
01310a	Contractor's Request for Information	4/17/2017
01310b	Transmittal	4/17/2017
01320	Construction Progress Documentation	4/17/2017
01320a	Weekly Progress Report	4/17/2017
01320b	Periodic Observation Report	4/17/2017
01320c	Non-Conforming Work Notice	4/17/2017
01321	Construction Schedule Critical Path Method (CPM)	4/17/2017
01330	Submittal Procedures	5/10/2017
01330a	Submittal Form	4/17/2017
01340	Shop Drawings, Product Data, and Samples	4/17/2017
01352	LEED for Schools Requirements	5/10/2017
01354	Construction Indoor Air Quality Management	5/10/2017
01410	Regulatory Requirements	4/17/2017

Northeast High School – Single Point of Entry

01420	References	4/17/2017
01430	Quality Assurance	4/17/2017
01450	Quality Control	4/17/2017
01510	Temporary Utilities	5/10/2017
01520	Construction Facilities	4/17/2017
01530	Temporary Construction	5/10/2017
01540	Construction Aids	4/17/2017
01550	Vehicular Access and Parking	5/10/2017
01560	Temporary Barriers and Enclosures	4/17/2017
01570	Temporary Controls	4/17/2017
01572	Construction Waste Management	5/10/2017
01580	Project Identification	4/17/2017
01610	Basic Product Requirements	3/24/2017
01620	Product Options	4/17/2017
01630	Product Substitution Procedures	3/24/2017
01630a	Contractor's Substitution Request	4/17/2017
01663	Product Delivery, Storage and Handling Requirements	4/17/2017
01700	Contract Closeout	4/17/2017
01710	Examination	4/17/2017
01720	Preparation	4/17/2017
01730	Execution	3/24/2017
01735	Operation and Maintenance Data	4/17/2017
01740	Cleaning	4/17/2017
01745	Warranties	4/17/2017
01750	Starting and Adjusting	4/17/2017
01760	Protection of Installed Construction	4/17/2017
01770	Closeout Procedures	4/17/2017
01770a	Contractor's Request for Substantial Completion Inspection	4/17/2017
01770b	Project Consultant's Notification of Readiness for Substantial Completion Inspection	4/17/2017
01770c	SF 727: Substantial Completion Inspection	4/17/2017
01770d	Substantial Completion Inspection	4/17/2017
01770e	Project Consultant's Letter Establishing Substantial Completion Date	4/17/2017
01770f	Contractor's Request for Final Completion Inspection Project	4/17/2017
01770g	Project Consultant's Notification of Readiness for Final Completion Inspection	4/17/2017
01770h	Project Consultant's Letter Establishing Final Completion Date	4/17/2017
01780	Closeout Submittals	4/17/2017
01820	Demonstration and Training	4/17/2017
01820a	Contractor's Demonstration and Training Attendance Log	4/17/2017
01830	Operation and Maintenance	4/17/2017
01890	Reconstruction	4/17/2017
03100	Concrete Formwork	4/17/2017
03200	Concrete Reinforcement	4/17/2017
03700	Concrete Repair	4/17/2017
04200	Unit Masonry	4/17/2017
04205	Masonry Pier Foundations	4/17/2017
04230	Reinforced Unit Masonry	4/17/2017
04530	Masonry Patchwork	4/17/2017
05310	Steel Deck	4/17/2017

Northeast High School – Single Point of Entry

05400	Cold Formed Metal Framing	4/17/2017
05500	Metal Fabrications	5/10/2017
07132	Vapor-Protective Waterproofing	4/17/2017
07190	Vapor Barrier	4/17/2017
08110	Steel Doors and Frames	4/17/2017
08520	Aluminum Windows	4/17/2017
08710	Door Hardware	4/17/2017
08800	Glass and Glazing	4/17/2017
09125	Plaster Ceiling Suspension System	5/17/2017
09220	Portland Cement Plaster (Stucco)	5/17/2017
09250	Gypsum Board	5/17/2017
09310	Ceramic Tile	5/17/2017
09510	Acoustical Ceilings	5/17/2017
09650	Resilient Tile Flooring	5/17/2017
09683	Carpet Tile	5/17/2017
09900	Painting	5/17/2017
09951	Resinous Flooring	5/17/2017
10532	Aluminum Walkway Covers	4/17/2017

SINGLE POINT OF ENTRY**Volume 1 – Divisions 1 to 12**

00000	Title Page	4/17/2017
00006	Professional Signatures & Seals	4/17/2017
00010	Project Manual Index	5/23/2017
00015	List of Drawings	4/17/2017
00002	Project Directory	4/17/2017
01110	Summary of Work	4/17/2017
01230	Alternates	4/17/2017
01250	Contract Modification Procedures	4/17/2017
01250a	Proposal Request	4/17/2017
01250b	Change Order Request (Proposal)	4/17/2017
01250c	Proposal Worksheet Detail	4/17/2017
01250d	Proposal Worksheet Summary	4/17/2017
01250e	Construction Change Directive	4/17/2017
01250f	Project Consultant's Supplemental Instructions	4/17/2017
01250g	Construction Change Order	4/17/2017
01250h	Contingency Use Directive	4/17/2017
01270	Unit Prices	4/17/2017
01290	Payment Procedures	4/17/2017
01290a	Application for Payment	3/24/2017&4/17/2017
01295	Direct Owner Purchasing Program	4/17/2017
01295a	Direct Owner Purchase Program Order Form	-
01295b	Vendor Request Form	4/17/2017
01295c	Invoice Summary	4/17/2017
01310	Project Management and Coordination	4/17/2017
01310a	Contractor's Request for Information	4/17/2017
01310b	Transmittal	4/17/2017
01320	Construction Progress Documentation	4/17/2017
01320a	Weekly Progress Report	4/17/2017
01320b	Periodic Observation Report	4/17/2017
01320c	Non-Conforming Work Notice	4/17/2017

01321	Construction Schedule Critical Path Method (CPM)	4/17/2017
01330	Submittal Procedures	4/17/2017
01330a	Submittal Form	4/17/2017
01340	Shop Drawings, Product Data, and Samples	4/17/2017
01350	Special Procedures	4/17/2017
01352	LEED for Schools Requirements	4/17/2017
01354	Construction Indoor Air Quality Management	4/17/2017
01410	Regulatory Requirements	4/17/2017
01420	References	4/17/2017
01430	Quality Assurance	4/17/2017
01450	Quality Control	4/17/2017
01510	Temporary Utilities	4/17/2017
01520	Construction Facilities	4/17/2017
01530	Temporary Construction	4/17/2017
01540	Construction Aids	4/17/2017
01550	Vehicular Access and Parking	4/17/2017
01560	Temporary Barriers and Enclosures	4/17/2017
01570	Temporary Controls	4/17/2017
01572	Construction Waste Management	4/17/2017
01580	Project Identification	4/17/2017
01610	Basic Product Requirements	4/17/2017
01620	Product Options	4/17/2017
01630	Product Substitution Procedures	4/17/2017
01630a	Contractor's Substitution Request	4/17/2017
01663	Product Delivery, Storage and Handling Requirements	4/17/2017
01700	Contract Closeout	4/17/2017
01710	Examination	4/17/2017
01720	Preparation	4/17/2017
01730	Execution	4/17/2017
01735	Operation and Maintenance Data	4/17/2017
01740	Cleaning	4/17/2017
01745	Warranties	4/17/2017
01750	Starting and Adjusting	4/17/2017
01760	Protection of Installed Construction	4/17/2017
01770	Closeout Procedures	4/17/2017
01770a	Contractor's Request for Substantial Completion Inspection	3/24/2017
01770b	Project Consultant's Notification of Readiness for Substantial Completion Inspection	4/17/2017
01770c	SF 727: Substantial Completion Inspection	4/17/2017
01770d	Substantial Completion Inspection	4/17/2017
01770e	Project Consultant's Letter Establishing Substantial Completion Date	4/17/2017
01770f	Contractor's Request for Final Completion Inspection Project	4/17/2017
01770g	Project Consultant's Notification of Readiness for Final Completion Inspection	4/17/2017
01770h	Project Consultant's Letter Establishing Final Completion Date	4/17/2017
01780	Closeout Submittals	4/17/2017
01820	Demonstration and Training	4/17/2017
01820a	Contractor's Demonstration and Training Attendance Log	3/24/2017
01830	Operation and Maintenance	4/17/2017
01890	Reconstruction	4/17/2017

02070	Minor Demolition for Remodeling	4/17/2017
02110	Site Clearing	4/17/2017
02200	Earthwork	4/17/2017
02280	Soil Treatment	4/17/2017
02586	Exterior Electrical Work Underground	4/17/2017
02811	Landscape Irrigation	4/17/2017
02931	Sodding	4/17/2017
02950	Trees, Plants and Groundcovers	4/17/2017
03100	Concrete Formwork	4/17/2017
03200	Concrete Reinforcement	4/17/2017
03700	Concrete Repair	4/17/2017
04200	Unit Masonry	4/17/2017
04205	Masonry Pier Foundations	4/17/2017
04230	Reinforced Unit Masonry	4/17/2017
04530	Masonry Patchwork	4/17/2017
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07132	Vapor-Protective Waterproofing	4/17/2017
07190	Vapor Barrier	4/17/2017
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08520	Aluminum Windows	4/17/2017
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09250	Gypsum Board	5/17/2017
09310	Ceramic Tile	5/17/2017
09510	Acoustical Ceilings	5/17/2017
09650	Resilient Tile Flooring	5/17/2017
09683	Carpet Tile	5/17/2017
09900	Painting	5/17/2017
09951	Resinous Flooring	5/17/2017
10400	Identifying Devices	5/17/2017
10532	Aluminum Walkway Covers	4/17/2017
12490	Window Treatments	4/17/2017
Volume 2 – Divisions 13 to 16		
00000	Title Page	4/17/2017
00006	Professional Signatures & Seals	4/17/2017
00010	Project Manual Index	5/23/2017
00015	List of Drawings	4/17/2017
00002	Project Directory	4/17/2017
13100	Lightning Protection	5/23/2017
13845	Fire Alarm System	4/17/2017
16010	General Provisions	4/17/2017
16020	Completion of Work	4/17/2017
16050	Basic Materials and Methods	4/17/2017
16060	Grounding	4/17/2017
16072	Electrical Supporting Devices	4/17/2017
16080	Electrical Inspection and Testing	4/17/2017
16090	Alterations and Additions to Existing Work	4/17/2017
16120	Wire and Cables	4/17/2017

16129	Terminal Lugs	4/17/2017
16130	Raceways and Boxes	4/17/2017
16132	Conduit, Fittings, and Supports	4/17/2017
16137	Pull and Junction Boxes	4/17/2017
16138	Outlet Boxes	4/17/2017
16510	Interior Luminaries	4/17/2017
16520	Exterior Luminaries	4/17/2017



Northeast High School – Single Point of Entry

Gilbane Job No. J07393.100

**ATTACHMENT III
CONTRACT DOCUMENTS – ADDITIONAL CONTRACT DOCUMENTS**

REQUEST FOR INFORMATION:

RFI #	Description	Sent to A/E	Returned from A/E
1	Desk/Millwork Scope Clarification	5/8/2017	5/12/2017
2	CCTV Scope Clarification	5/8/2017	5/30/2017
3	Exterior Door Scope Clarification	5/8/2017	5/12/2017
4	Door 101.2 Scope Clarification	5/19/2017	5/30/2017
5	SPE - Site Logistics for Review	6/7/2017	6/13/2017
6	Permitted Project Manual Clarifications	6/16/2017	6/22/2017
7	Bid Site Visit Clarifications	6/30/2017	7/12/2017
8	Door 101.1 and Window W1 Material Clarification	7/26/2017	7/27/2017
9	Pressure Ratings / Door Types Confirmation at Building 2	7/31/2017	8/2/2017
10	Door 101.1 fire rating, signs material, stucco over door 101.1 and canopy footing formwork confirmation	8/16/2017	8/17/2017
11	Door 101.1 NOA Clarification	8/17/2017	8/23/2017



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

RFI No.:	<u>01</u>	Date:	<u>5/8/2017</u>
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Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Desk/Millwork Scope Clarification

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	E-201	1

Request:

- Detail 1/E-201 indicates that "Any power & data outlets on the existing reception desk shall be temporarily removed and re-installed on the new desk". However, the rest of the drawings do not include any scope of work for a new desk or existing desk. Please clarify if desk or millwork scope will be part of the Single Point of Entry. If this scope will be added, please provide information of the work.
- Please notice that by adding a new door (101.1) at the north side of the Reception Area and changing the swing to a left hand of door 101.2, the seating/waiting capacity for this room will be substantially reduced or eliminated in its entirety, if the existing millwork/desk is not modified. Currently there are four (4) chairs at this area. Confirm this is the design intent.

RESPONSES:

- Existing casework to remain and there is no power & data relocation to be done. existing to remain for all.
- Only the door swing is being reversed in the frame. Frame to be patched and retrofitted to receive reverse swing and lockset.

Contractor:
 Retain copy for Project Files

By: (Signature)

Contractor:
 GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.



The School Board of Broward County, Florida
Office of Facilities & Construction
1643 North Harrison Parkway, Bldg. H
Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
(Project Consultant)

RFI No.: 02 Date: 5/8/2017

Attn: W. Randy Scoll
Project No: P.001684
Project Title: Single Point of Entry
Location No: 1241
Facility Name: Northeast High School
Location No: 1241

(One RFI item per form)

Subject: CCTV Scope Clarification

Category:

- Information not shown on Contract Documents
 Interpretation of Contract Documents
 Conflict in Contract Document Requirements
 Coordination

Reference:

- Drawing Reference
 Spec/Project Manual Reference
 Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	A01-101	1

Request:

Plan 1/A01-101 shows a security camera located at north of the existing two double doors (main entrance) that needs to be relocated. However, this scope is not identified in the electrical drawings. Please include this scope in the electrical sheets and add any information required for then relocation of this device.

RESPONSE:

Security camera task is deleted. No relocation - camera remains.
2017-05-24 WRS.

Contractor:
Retain copy for Project Files

By: (Signature)
Pablo Burgos-Zayas
Digitally signed by Pablo Burgos-Zayas
DN: cn=Pablo Burgos-Zayas, o=Office Building Company, ou=ACAI
Date: 2017.05.24 10:00:00 -0400

Contractor:
GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.



The School Board of Broward County, Florida
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 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

RFI No.: <u>03</u>	Date: <u>5/8/2017</u>
--------------------	-----------------------

Attn: W. Randy Scott
 Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Exterior Door Scope Clarification

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	A02-600	1
N/A	N/A	N/A	A04-600	2, 3
N/A	N/A	N/A	A08-600	1

Request:

- Plan 1/A02-600 shows the replacement of doors 2.178.1, 2.177.1, 2.177.2 and 2.175. However looking at the photos included in the drawing and per site visit to the area, we noticed that doors 2.178.1 and 2.175 are not level with the sidewalk. Both of these doors have sort of a step/difference in elevation between the room floor and the exterior sidewalk. Since we are replacing these doors and therefore the replacement shall comply with applicable codes, please confirm if any concrete work such as adding a ramp, among other possibilities, is required for any of these doors.
- Elevation 2 and 3/A04-600 include only the door frame of two storefront doors that shall be replaced for doors 4.201.1 and 4.201.2. In the elevation only the door frame, doors and hardware are shown to be replaced. However, per site visit to the facility, we noticed that this will not be possible and a complete replacement of door frame including a glass piece above the door will be required since this is a complete assembly. Please confirm this information and provide respective details in the drawings. Attached photos of the area for your reference.

RESPONSES:

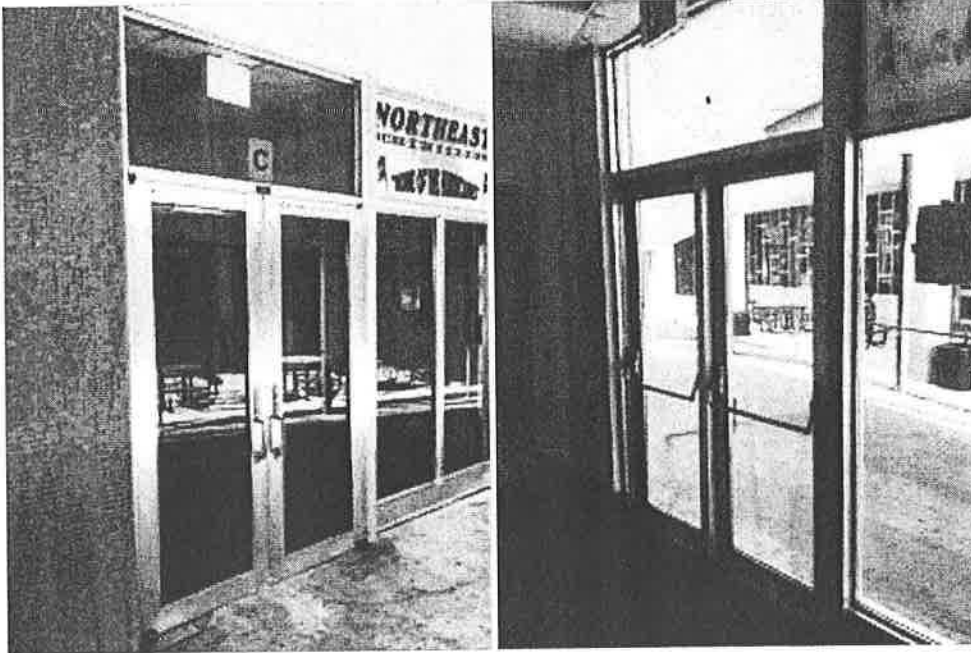
- The doors are at mechanical rooms and do not require ramp access.
- The storefront doors will require door and clerestory to be replaced. NOA attached.



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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



3. Per site visit to the project we noticed that Room 232 at Building 8 has some sort of terrazzo flooring. This floor is currently over an inch above the exterior sidewalk level. Please advise the scope that will be required in order to comply with ADA access to this room and include them as part of the scope. This applies for door replacement 8.232.1 and 8.232.2. Refer to photos attached for your reference.

RESPONSE:

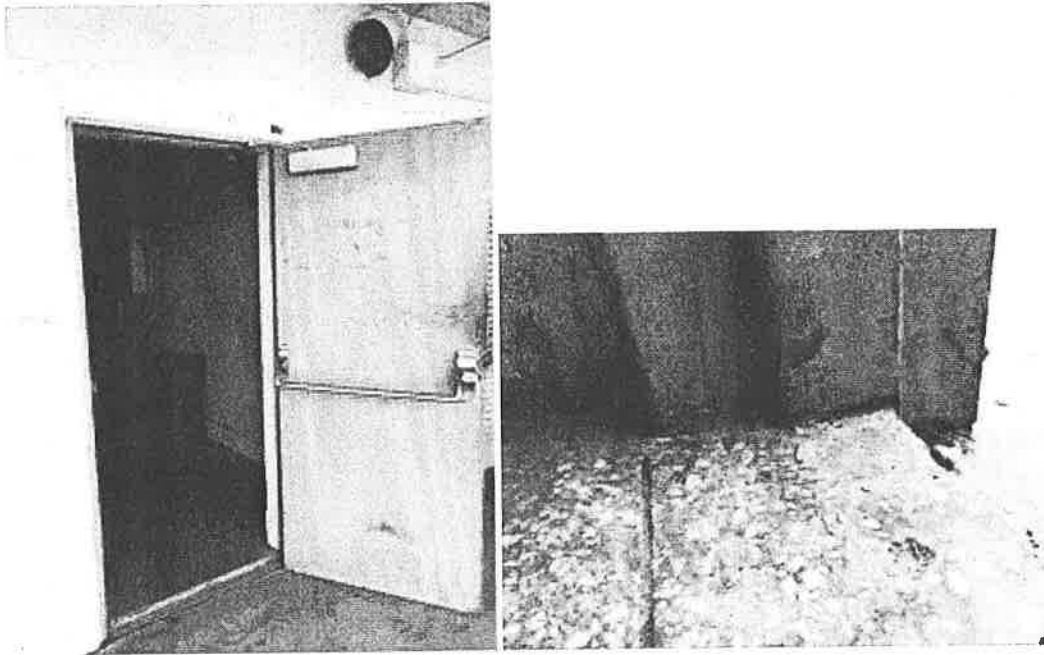
The doors shown are at another building. Refer to the response at comment #4.



The School Board of Broward County, Florida
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1643 North Harrison Parkway, Bldg. H
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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



4. General - As indicated in our previous comments to the drawings, please include all types of existing flooring at each location where doors will be replaced so our trade contractors can identify properly the flooring repairs.

RESPONSE:

These doors require hardware replacement only.

Contractor:
Retain copy for Project Files

By: (Signature)

Contractor:
GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAl associates, inc.
 (Project Consultant)

5/18/2017
RFI No.: <u>04</u> Date: _____

Attn: W. Randy Scott
 Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Door 101.2 Scope Clarification

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	A01-101	3

Request:

- In ACAl's response to RFI-01 item #2 for door 101.2, it states that "Only door swing is being reversed in the frame. Frame to be patched and retrofitted to receive reverse swing and lockset". If in fact only the door swing needs to be fixed and the existing frame can remain, please confirm why in the demolition plan 3/A01-101 indicates remove existing door assembly. Also we will need confirmation that this existing door assembly is not fire rated and not located in a fire rated partition. Fire rated frames should not be modified unless recertified by the manufacturer or UL. Please confirm overall scope intention for this door.

RESPONSE:

Door and partition have been revised. See attached sketch.
 2017-05-22 WRS

Contractor:
 Retain copy for Project Files

By: (Signature)
 Pablo Burgos-Zayas
Digitally signed by Pablo Burgos-Zayas
 DN: cn=Pablo Burgos-Zayas, o=Office of Facilities & Construction, ou=School Board of Broward County, email=pburgos@broward.k12.fl.us

Contractor:
 GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.

DATE: 10/11/17
 DRAWN BY: [Redacted]
 CHECKED BY: [Redacted]
 PROJECT: [Redacted]

REVISIONS:
 NO. DESCRIPTION DATE
 1. [Redacted] 10/11/17
 2. [Redacted] 10/11/17

PROJECT TEAM
 ARCHITECT: [Redacted]
 ENGINEER: [Redacted]
 CONTRACTOR: [Redacted]

ADDRESS: [Redacted]
 CITY: [Redacted]
 STATE: [Redacted]
 ZIP: [Redacted]

DESIGNED BY: [Redacted]
 DRAWN BY: [Redacted]
 CHECKED BY: [Redacted]

DATE: [Redacted]
 PROJECT: [Redacted]

PROJECT NUMBER: [Redacted]
 PROJECT TITLE: [Redacted]

PROJECT NUMBER: 16-027 G01
 PROJECT TITLE: A01-102

PROJECT NUMBER: [Redacted]
 PROJECT TITLE: [Redacted]

PROJECT NUMBER: [Redacted]
 PROJECT TITLE: [Redacted]

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PROJECT NUMBER: [Redacted]
 PROJECT TITLE: [Redacted]

PROJECT NUMBER: [Redacted]
 PROJECT TITLE: [Redacted]

DOOR SCHEDULE

REFER TO 03.100 FOR ALTERNATE GROUP SCHEDULE

DOOR	TYPE	WIDTH	HEIGHT	MATERIAL	HARDWARE	COMMENTS
01	EXTERIOR SINGLE DOOR	3'-0"	7'-0"	ALUM	1	TRANSOM WINDOW AND VISION PANEL TO MATCH EXIST. ADA & I-COZ/AT
02	INTERIOR SINGLE DOOR	3'-0"	7'-0"	ALUM	1	TRANSOM WINDOW AND VISION PANEL TO MATCH EXIST. ADA & I-COZ/AT
03	INTERIOR DOUBLE DOOR	6'-0"	7'-0"	ALUM	1	TRANSOM WINDOW AND VISION PANEL TO MATCH EXIST. ADA & I-COZ/AT

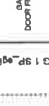
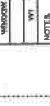
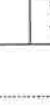
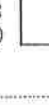
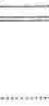
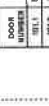
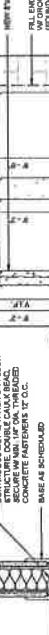
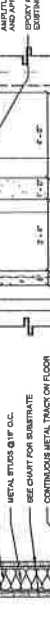
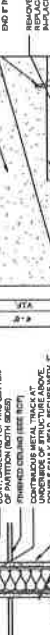
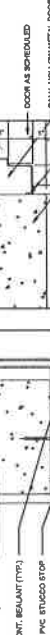
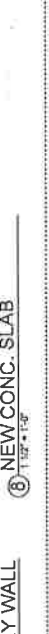
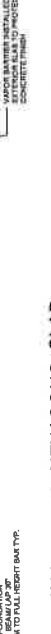
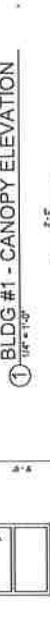
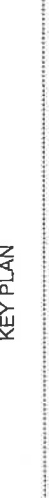
NOTE: LARGEST AND SMALL VISIBLE IMPACT RATING REQUIRED PER 106A.1.2, 106A.1.3, 106A.1.4

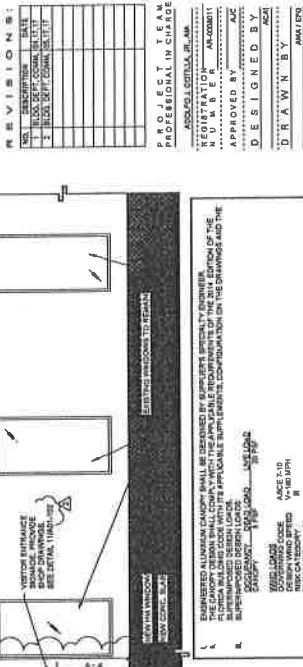


WINDOW SCHEDULE

WINDOW	WIDTH	HEIGHT	MATERIAL	FINISH	HEADWELL	JAMB	COMMENTS
01	3'-0"	7'-0"	ALUM	ALUM	NEW PANELS (1)		

NOTE: LARGEST AND SMALL VISIBLE IMPACT RATING REQUIRED PER 106A.1.2, 106A.1.3, 106A.1.4





1 BLDG #1 - CANOPY ELEVATION
1/12" = 1'-0"

2 SIGNAGE
3/8" = 1'-0"

3 SIGNAGE PLATE
3/8" = 1'-0"

4 WINDOW TYPE ELEV.
3/8" = 1'-0"

5 DOOR TYPE ELEV.
3/8" = 1'-0"

6 WINDOW SCHEDULE

7 DOOR FRAME ELEV.
3/8" = 1'-0"

8 WINDOW SCHEDULE

9 JAMB DETAIL AT CMU
SCALE 1/4" = 1'-0"

10 HEAD DETAIL AT CMU
SCALE 1/4" = 1'-0"

11 CANOPY FOOTING DETAIL
1/12" = 1'-0"

12 CANOPY U-BENT FRAME
1/8" = 1'-0"

13 KEY PLAN

14 NEW CONC. SLAB
1/12" = 1'-0"

15 OPENING IN EXISTING MASONRY WALL
3/8" = 1'-0"

16 PARTITION WALL - TO DECK
SCALE N.T.S.

17 DOOR SCHEDULE

18 WINDOW SCHEDULE

19 WINDOW TYPE ELEV.

20 DOOR FRAME ELEV.

21 WINDOW SCHEDULE

22 WINDOW SCHEDULE

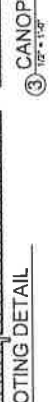
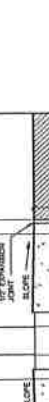
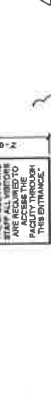
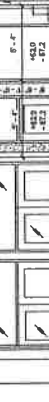
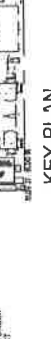
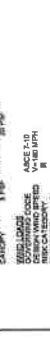
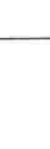
DOOR SCHEDULE

REFER TO E.D. SHEETS FOR HARDWARE CHECK DESCRIPTION

DOOR NUMBER	TYPE	WIDTH	HEIGHT	GLASS	JAMB	COMMENTS
101	EXTERIOR DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	TRANSOM WOOD AND WOOD PANEL, TO MATCH EXIST. NEW 1/4" X 1/2" X 2" BRN. W/BE PAINTED
102	INTERIOR DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	BRN. W/BE PAINTED
103	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
104	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
105	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
106	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
107	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
108	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
109	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
110	GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	

WINDOW SCHEDULE

WINDOW NUMBER	TYPE	WIDTH	HEIGHT	GLASS	JAMB	COMMENTS
101	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
102	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
103	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
104	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
105	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
106	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
107	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
108	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
109	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	
110	DOUBLE GLASS	3'-0"	7'-0"	1/2" GLASS	ALUM	





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 Office of Facilities & Construction
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 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

RFI No.:	05	Date:	6/7/2017
----------	----	-------	----------

Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: SPE - Site Logistics for Review

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - X Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
----------	---------------	---------------------	-------------------	------------------

Request:

- Please find attached our site logistic plan for the Single Point of Entry project for your review (especially the fire and life safety components to the school during the construction phase). Please notice that even we will try to complete the Single Point of Entry without the canopy as soon as possible, we will still need to work while students are on campus. As you can refer below we included some temporary partitions to isolate the construction team from the school. Our concerns are that there are enough egress doors for the school and admin area in case of an emergency. Please advise.

RESPONSE:

ACAI take no exception to the proposed logistic plan. Maintaining the western set of exit doors is acceptable for egress.

2017-06-12 - WRS.

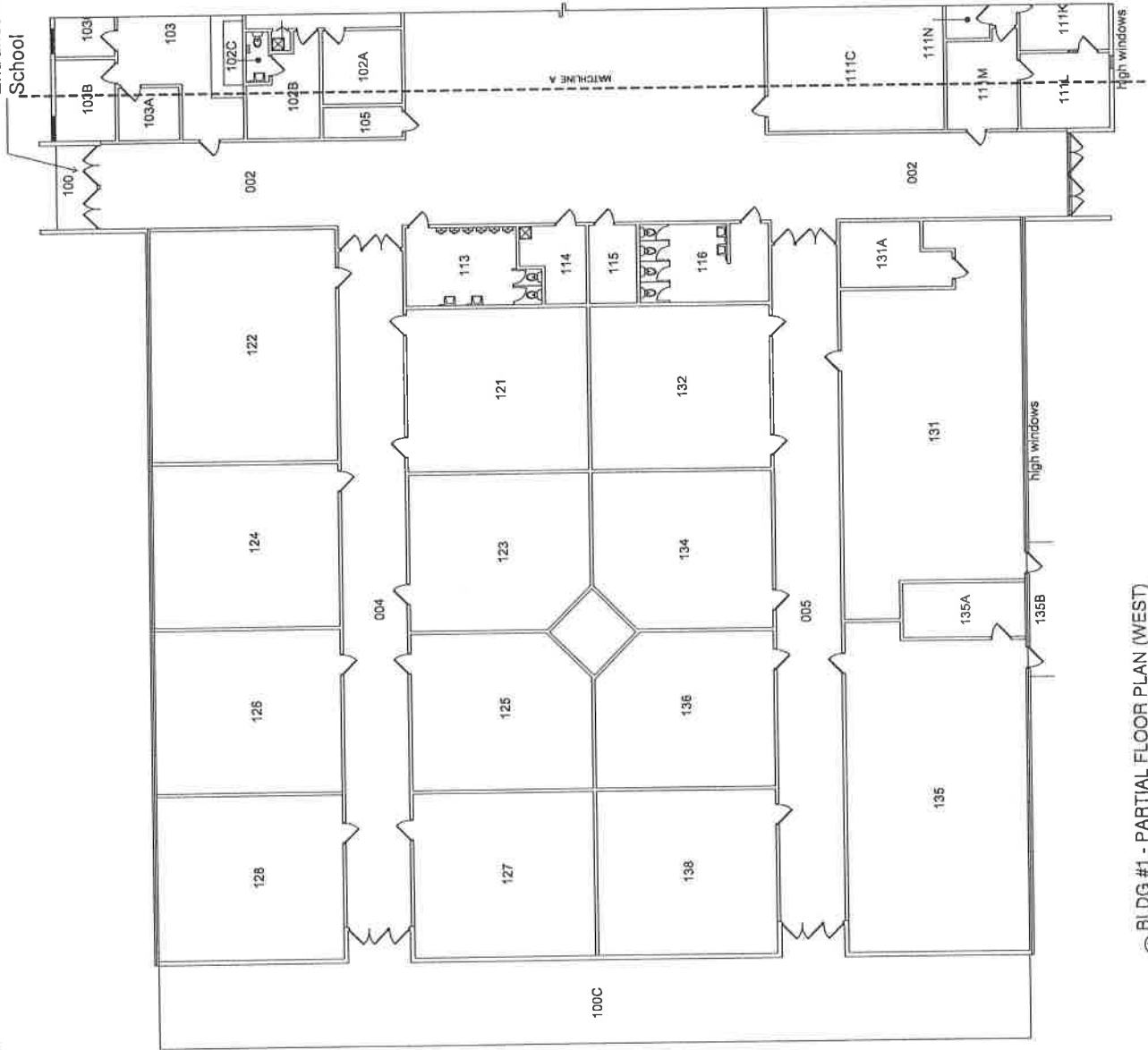
Contractor:
 Retain copy for Project Files

By: (Signature)

Contractor:
 GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.

Entrance/Exit
School



FLOOR PLAN LEGEND

ENTRANCE WALL	WALL WITH DOOR	WALL WITH WINDOW	WALL WITH GLASS DOOR	WALL WITH GLASS WINDOW	WALL WITH GLASS PARTITION	WALL WITH GLASS PARTITION AND DOOR	WALL WITH GLASS PARTITION AND WINDOW	WALL WITH GLASS PARTITION AND GLASS DOOR	WALL WITH GLASS PARTITION AND GLASS WINDOW	WALL WITH GLASS PARTITION AND GLASS PARTITION AND DOOR	WALL WITH GLASS PARTITION AND GLASS PARTITION AND WINDOW	WALL WITH GLASS PARTITION AND GLASS PARTITION AND GLASS DOOR	WALL WITH GLASS PARTITION AND GLASS PARTITION AND GLASS WINDOW
DOOR	GLASS DOOR	WINDOW	GLASS WINDOW	GLASS PARTITION	GLASS PARTITION AND DOOR	GLASS PARTITION AND WINDOW	GLASS PARTITION AND GLASS DOOR	GLASS PARTITION AND GLASS WINDOW	GLASS PARTITION AND GLASS PARTITION AND DOOR	GLASS PARTITION AND GLASS PARTITION AND WINDOW	GLASS PARTITION AND GLASS PARTITION AND GLASS DOOR	GLASS PARTITION AND GLASS PARTITION AND GLASS WINDOW	

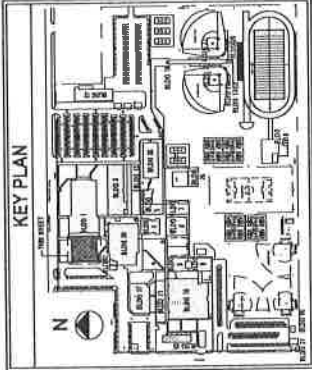
FLOOR PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
2. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
3. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
4. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
5. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
6. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
7. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
8. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
9. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.
10. THE CONTRACTOR SHALL VERIFY THE EXISTING CONDITIONS AND PROVIDE AS-BUILT DRAWINGS TO THE ARCHITECT.



BUILDING #1
PARTIAL FLOOR
PLAN (WEST)

SHEET TITLE



ACAI
ARCHITECTURE
207 N. Central Ave. Suite 200
Ft. Lauderdale, Florida 33304
www.aclararchitects.com
"ARCHITECT OF RECORD"

16-027 G01
PROJECT NUMBER
A01-101

DATE: 11/13/2017
DRAWN BY: J. B. BROWN
CHECKED BY: J. B. BROWN
DESIGNED BY: J. B. BROWN
APPROVED BY: J. B. BROWN
REGISTERED PROFESSIONAL ARCHITECT
FLORIDA REG. NO. 12345

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① BLDG #1 - PARTIAL FLOOR PLAN (WEST)



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 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

RFI No.:	<u>06</u>	Date:	<u>6/16/2017</u>
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Project No: Attn: W. Randy Scott
 P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Permitted Project Manuals Clarifications

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
	Project Manual			

Request:

In reference to the Door, Frames and Hardware Project Manual dated April 17, 2017, please provide response to the following discrepancies:

1. Introductory Information Division:
 - a. Section 00008 – Notice to all Bidders is included in the Index but was not included as part of the Project Manual. Please confirm. SECTION DELETED
 - b. Section 00009 – Background Screening is included in the Index but was not included as part of the Project Manual. Please confirm. SECTION DELETED
2. Bidding Conditions Division is included in the Index but was not included as part of the Project Manual. Please confirm. SECTION DELETED
3. Contractual Conditions Division is included in the Index but was not included as part of the Project Manual. Please confirm. SECTION DELETED
4. Division 1 – General Requirements: SECTIONS HAVE BEEN ADDED TO INDEX
 - a. Section 01250 – Contract Modification Procedures
 - i. Document 01250h is included in the Project Manual but not in the Index. Please confirm.
 - b. Section 01270 is included in the Project Manual but not in the Index. Please confirm.
 - c. Section 01295 is included in the Project Manual but not in the Index. Please



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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

- confirm.
- d. Section 01350 is included in the Project Manual but not in the Index. Please confirm.
- e. Section 01352 is included in the Project Manual but not in the Index. Please confirm.
- f. Section 01354 is included in the Project Manual but not in the Index. Please confirm.
- g. Section 01420 is included in the Project Manual but not in the Index. Please confirm.
- h. Section 01530 is included in the Project Manual but not in the Index. Also this section does not include any content. Please confirm.
- i. Section 01572 is included in the Project Manual but not in the Index. Please confirm.
- j. Section 01770– Closeout Procedures
 - i. Document 01770b is included in the Project Manual but not in the Index. Please confirm.
 - ii. Document 01770d is included in the Project Manual but not in the Index. Please confirm.
 - iii. Document 01770f is included in the Project Manual but not in the Index. Please confirm.
- k. Section 01830 is included in the Project Manual but not in the Index. Please confirm.
- l. Section 01890 is included in the Project Manual but not in the Index. Please confirm.
- 5. Division 2 – Site Work – this section does not apply to the door, frames and hardware scope of work. Please remove. **SECTION HAS BEEN DELETED**
 - a. Section 02070 is included in the Project Manual but not in the Index. Please confirm.
 - b. Section 02110 is included in the Project Manual but not in the Index. Please confirm.
 - c. Section 02200 is included in the Project Manual but not in the Index. Please confirm.
 - d. Section 02280 is included in the Project Manual but not in the Index. Please confirm.
 - e. Section 02586 is included in the Project Manual but not in the Index. Please confirm.
 - f. Section 02811 is included in the Project Manual but not in the Index. Please confirm.
 - g. Section 02931 is included in the Project Manual but not in the Index. Please confirm.
 - h. Section 02950 is included in the Project Manual but not in the Index. Please confirm.



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6. Division 3 – Concrete: **SECTIONS HAVE BEEN ADDED TO INDEX**
 - a. Section 03100 is included in the Project Manual but not in the Index. Please confirm.
 - b. Section 03200 is included in the Project Manual but not in the Index. Please confirm.
 - c. Section 03700 is included in the Project Manual but not in the Index. Please confirm.
7. Division 4 – Masonry: **SECTIONS HAVE BEEN ADDED TO INDEX**
 - a. Section 04205 is included in the Project Manual but not in the Index. Please confirm.
 - b. Section 04230 is included in the Project Manual but not in the Index. Please confirm.
8. Division 5 – Metals:
 - a. Section 05310 is included in the Project Manual but not in the Index. This section does not apply to the door, frames and hardware scope of work. Please remove. **SECTION HAS BEEN DELETED FROM INDEX**
 - b. Section 05400 is included in the Project Manual but not in the Index. Please confirm. **SECTION HAS BEEN ADDED TO INDEX**
 - c. Section 05500 is included in the Project Manual but not in the Index. Please confirm. **SECTION HAS BEEN ADDED TO INDEX**
9. Division 7 – Thermal and Moisture Protection - This section does not apply to the door, frames and hardware scope of work. Please remove. **SECTION HAS BEEN DELETED FROM INDEX**
 - a. Section 07132 is included in the Project Manual but not in the Index. Please confirm. **SECTION HAS BEEN ADDED TO INDEX**
 - b. Section 07190 is included in the Project Manual but not in the Index. Please confirm. **SECTION HAS BEEN ADDED TO INDEX**
10. Division 8 – Doors and Windows: **SECTIONS HAVE BEEN ADDED TO INDEX**
 - a. Section 08520 is included in the Project Manual but not in the Index. Please confirm.
 - b. Section 08800 is included in the Project Manual but not in the Index. Please confirm.
11. Division 9 – Finishes – is included in the Index but was not included as part of the Project Manual. Please confirm. **SECTIONS HAVE BEEN ADDED TO MANUAL**
12. Division 10 – Specialties - This section does not apply to the door, frames and hardware scope of work. Please remove. **SECTION HAS BEEN DELETED FROM INDEX**
 - a. Section 10532 is included in the Project Manual but not in the Index. Please confirm. **SECTION HAS BEEN ADDED TO INDEX**
13. Division 12 – Furnishings - This section does not apply to the door, frames and hardware scope of work. Please remove. **SECTION HAS BEEN DELETED FROM INDEX**
 - a. Section 12490 is included in the Project Manual but not in the Index. Do we have any window treatment related to the doors in the project? Please confirm.



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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

In reference to the Single Point of Entry Project Manual dated April 17, 2017, please provide response to the following discrepancies:

1. Division 1 – General Requirements: **SECTIONS HAVE BEEN ADDED TO INDEX**
 - a. Section 01770 – Closeout Procedures
 - i. Document 01770b is included in the Project Manual but not in the Index. Please confirm.
 - ii. Document 01770d is included in the Project Manual but not in the Index. Please confirm.
 - iii. Document 01770f is included in the Project Manual but not in the Index. Please confirm.
2. Division 9 – Finishes – this section was not included in the Project Manual but is required to perform the stucco, gypsum and painting scopes. **SECTIONS HAVE BEEN ADDED TO INDEX**
3. Division 12 – Furnishings:
 - a. Section 12490 – Do we have any window treatment related to the SPE? Please confirm. This is not shown on drawings. **EXISTING WINDOW TREATMENT TO BE REMOVED AND RE-INSTALLED ON NEW WINDOW.**

Contractor:
Retain copy for Project Files

By: (Signature)

Contractor:
GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.

RESPONSE:

REFER TO RESPONSES IN RED AND TO LINKED FILES FOR UPDATED MANUALS.

2017-06-20 WRS.



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**Document 01310a (00 63 13)-Contractor's Request for
Information (RFI)**



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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAl associates, inc.
 (Project Consultant)

RFI No.:	07	Date:	6/30/2017
----------	----	-------	-----------

Project No: Attn: W. Randy Scott
 P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Bid Site Visit Clarifications

Category:

- Information not shown on Contract Documents
- Interpretation of Contract Documents
- Conflict in Contract Document Requirements
- Coordination

Reference:

- Drawing Reference
- Spec/Project Manual Reference
- Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A				

Request:

During our bid site visit on June 27, 2017 to the Single Point of Entry of Northeast High School, the following items were discussed and requires clarification or confirmation from the design team:

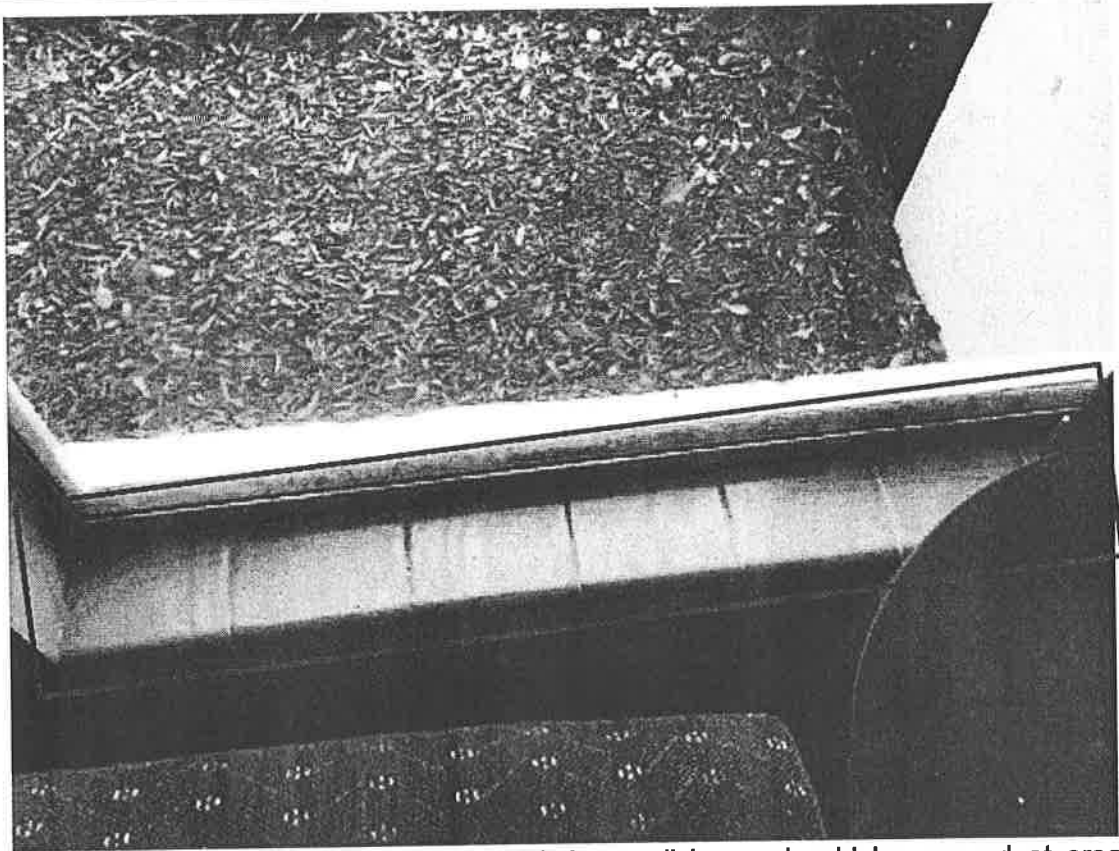
1. At the waiting area 101 in the reception, there is an existing acoustical ceiling system. Drawings do not indicate replacement of the existing system at any areas. Please confirm that modification to the existing ceiling is acceptable.
2. W1 window – it was noticed that the existing windows have ceramic tiles installed at the interior of the reception area as shown in the attached photo. During the site visit it was confirmed that we need to follow this detail for the new window. Please add a detail for our reference and confirm the ceramic tile that we need to match.



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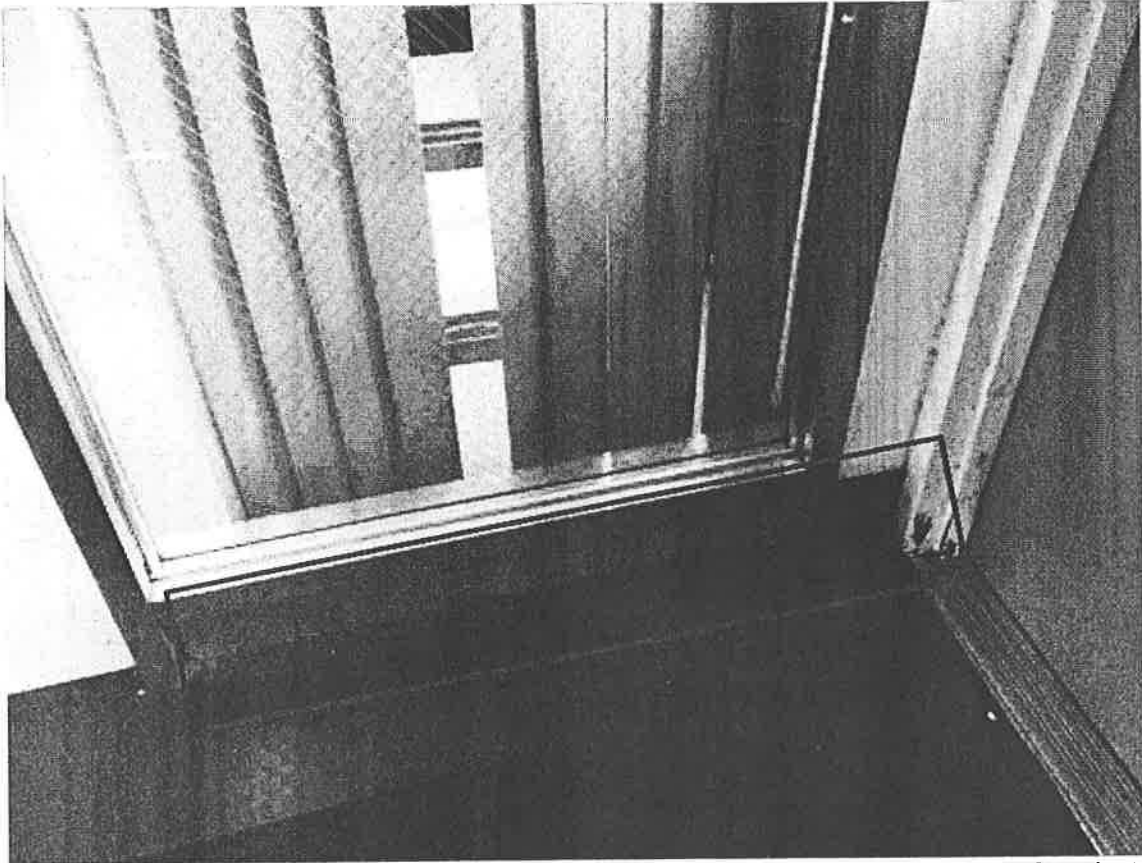
Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



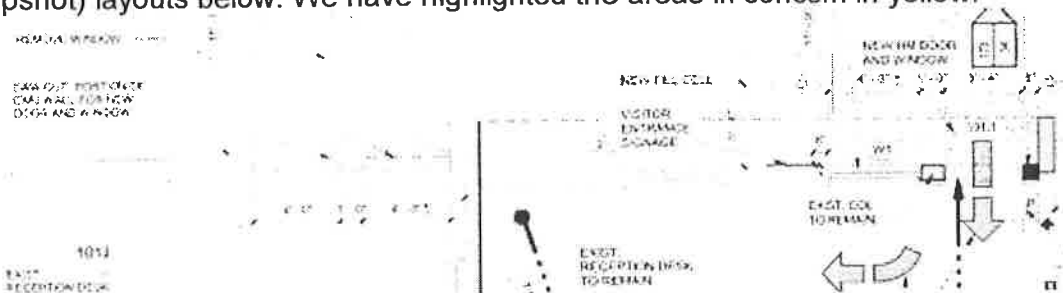
3. Wall base – it was confirmed that existing wall base should be reused at areas where new walls are been installed or modified. Also it was mentioned that the new wall between the egress corridor and the reception area, we need to match the existing rubber base as shown in photo attached. Please confirm and provide information about this base.



Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



4. At the north wall located at the waiting area 101 in the reception, please confirm that when the new CMU wall is built, we will continue the gypsum furring to match the existing wall thickness. Refer below to existing (left snapshot) and new (right snapshot) layouts below. We have highlighted the areas in concern in yellow.



5. Drawing E-201 shows a new fire alarm pull station and horn strobes to be installed at the east wall of the waiting area 101 in the reception. During the site visit, it was noticed that this is a concrete wall with gypsum compound finish. Please advise what will be done to ensure proper installation of these devices. Installation of gypsum furring was discussed during the site visit. Take in consideration the existing ceiling type for any recommendations. Refer to photo of the wall above the ceiling

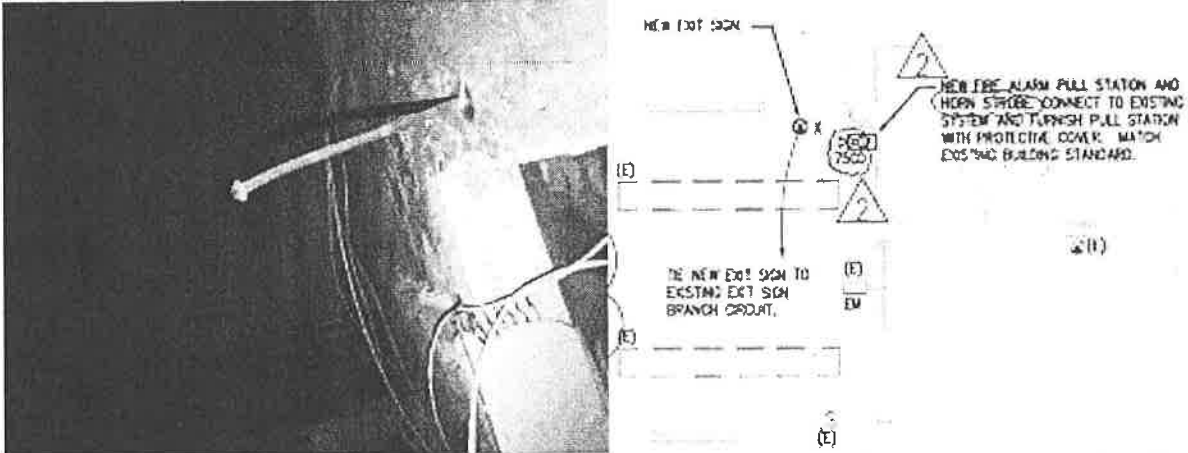


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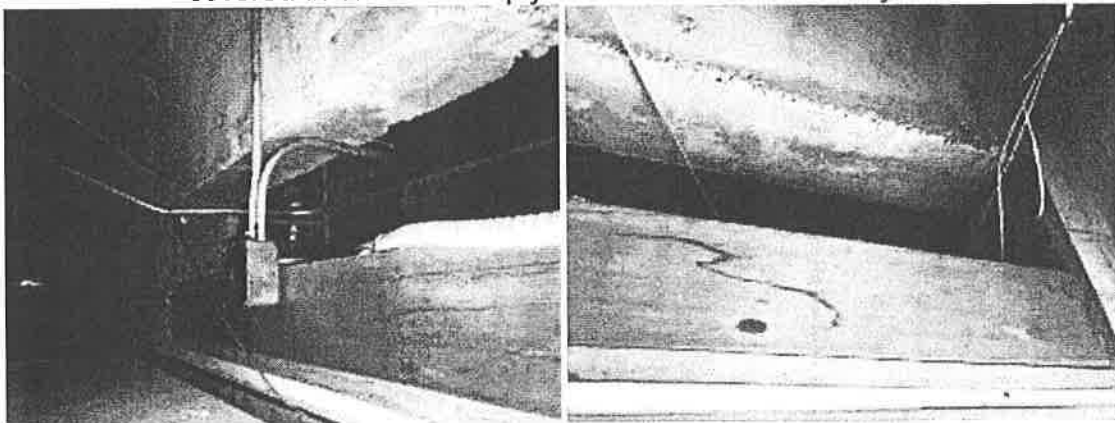
(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

and a plan snapshot below for your reference.



6. Existing wall where door 101.2 is located is a cast-in-place concrete wall with an opening for the existing aluminum door and window partition. The opening extends over the acoustical ceiling level as shown in the attached photos. We need the following confirmation:
- New fire rated gypsum partition type C1 will extend to cover this existing opening.
 - Finish at the egress corridor side will be cement plaster to match the existing finishes.
 - What needs to be done with existing utilities (i.e. cables without conduits, flexible conduits, among others) passing thru this opening that will be covered in order to comply with a fire rated assembly.

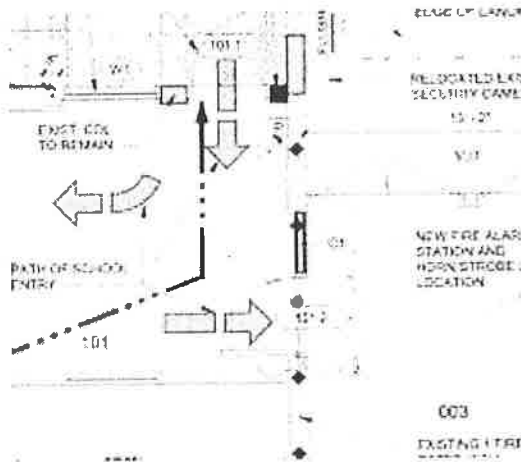




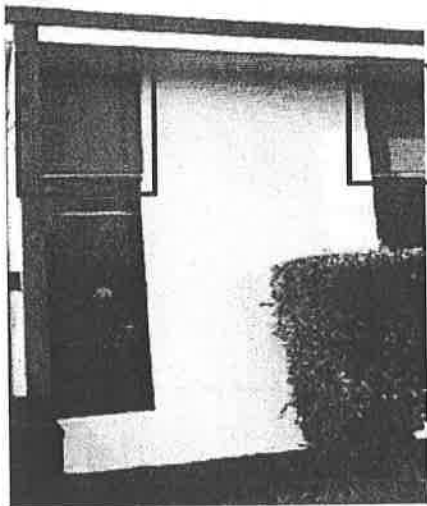
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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



7. Building 1 Main Entry Façade – it was mentioned that the existing reveals or extrusions at the window locations shown in below photo will not be followed during the construction and stucco of the new CMU wall. Please confirm this information.

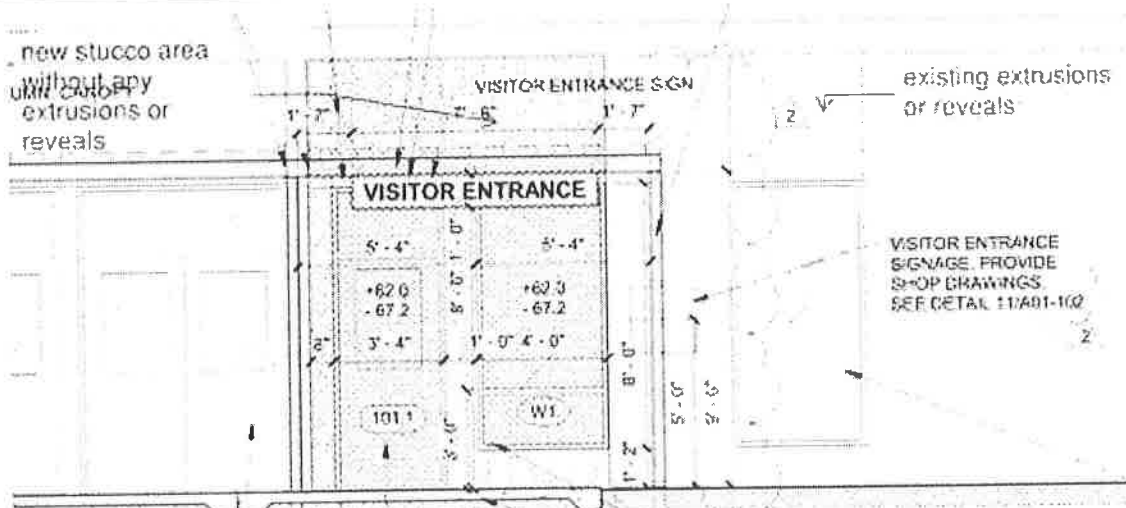




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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



8. Fire Alarm – please advise who is the Fire Alarm company monitoring the system at the school since some contractors would like to contact them. To our understanding from another SBBC project, the system is maintained by SBBC fire alarm technicians. Broward Fire/PPO should do the programming for the Fire Alarm panel and witness the terminations and testing performed by our Fire Alarm subcontractor. The school should have a Purchase Order to cover the Broward Fire/PPO cost. Please confirm this information.

Contractor:
Retain copy for Project Files

By: (Signature)

Contractor:
GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.



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Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

RESPONSES:

1. Waiting Area 101 - Modification to the existing ceiling is acceptable.
2. W1 Window - Match the existing ceramic tile with DaTile-Spa 0148 bull-nose. Provide samples for color approval by Architect.
3. Wall Base - base at corridor side to be 4" black, 40 Black by Johnsonite, to match existing. Base on office side to be 4" burgundy, 85 Burgundy by Johnsonite, to match existing. Provide samples for color approval by Architect.
4. Waiting Area 101 - Continue the gypsum furring to match the existing wall thickness.
5. E-201 - Provide 3/4" metal furring and 5/8" drywall to 6" above ceiling for conduit to fire alarm devices.
6.
 - a. Partition type C1 will extend to cover the existing opening.
 - b. The finish on the corridor side will be plaster to match existing.
 - c. The wires/cabling passing through the opening are to be sleeved and fire caulked where penetrating rated assembly.
7. Entry Facade - Existing reveals adjacent to renovated are will not be copied for this renovation. The new stucco finish will be flush to the block as shown in the documents.
8. Fire Alarm - Monitoring will need to be coordinated with SBBC for this facility.

WRS/2017-07-12



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

RFI No.:	08	Date:	7/26/2017
----------	----	-------	-----------

Attn: W. Randy Scott
 Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Door 101.1 and Window W1 Material Clarification

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	A01-101	1/A01-101
N/A	N/A	N/A	A01-102	Door Schedule, Window Schedule and 1/ A01-102

- Plan 1/A01-101 is indicating "NEW HM DOOR". Elevation 1/A01-102 is indicating "NEW DOOR TO MATCH EXISTING". Door Schedule included in drawing A01-102 is indicating that the door material is "STEEL". However, in the comments for this door in the door schedule (included as part of the review #2 of the drawing dated 05.17.17) it is making reference to NOA #14-0225.02. This NOA is for a "351 Series" Outswing Aluminum Entrance Door w/wo Transom – LMI. Please confirm material for door 101.1 and if different than aluminum, please provide correct NOA to be followed.
- Plan 1/A01-101 is indicating "NEW HM WINDOW". Elevation 1/A01-102 is indicating "NEW HM WINDOW". Window Schedule included in drawing A01-102 is indicating that the window material is "ALUM" (aluminum). NOA #15-0512.12 been referenced in the comments section of the window schedule is for a Series "410" Aluminum Fixed Window – LMI. Please confirm that this window is aluminum and that the NOA provided is accurate.

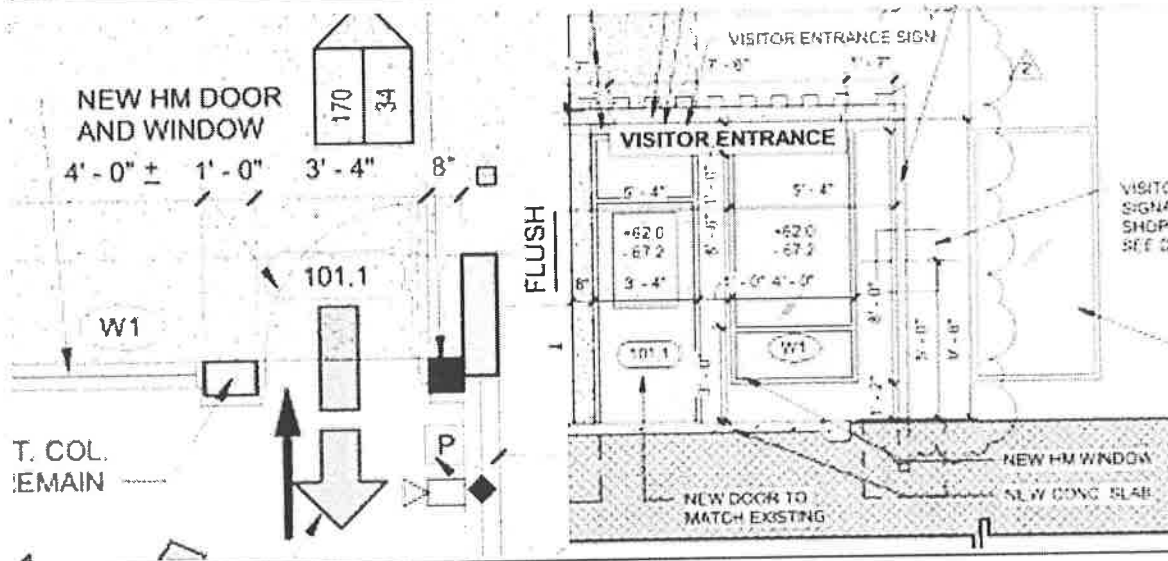
Refer below to snapshots for reference:



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



DOOR SCHEDULE									
DOOR NUMBER	TYPE	DOOR			HARDWARE GROUP	FRAME			COMMENTS
		WIDTH	HEIGHT	MATERIAL		ELEV	HEAD	JAMB	
101.1	EXTERNAL SINGLE DOOR WITH TRANSOM AND SIDE LIGHT	4'-0"	8'-0"	STEEL	1	1	1	1	EXIST. DOOR TO BE REPLACED
101.2	INTERNAL SINGLE DOOR WITH TRANSOM	3'-4"	8'-0"	STEEL	1	1	1	1	EXIST. DOOR TO BE REPLACED

WINDOW SCHEDULE									
WINDOW	WIDTH	HEIGHT	ELEV	MATERIAL	FINISH	HEAD/SILL	JAMB	COMMENTS	
W1	4'-0"	8'-0"	W1	ALUM				NEW 815 6612 12	

NOTES:
 LEANER AND SMALL MISCELL APPROPRIATE REQUIRED AND 1609 12 1609 1
 PROVIDE SAFETY GLASS PER 413 11.1

Prompt response to this RFI is appreciated.

Contractor:
 Retain copy for Project Files

Pablo Burgos-Zayas

By: (Signature)
 Digitally signed by Pablo Burgos-Zayas
 DN: C=US, E=PBurgosZ@GilbaneCo.com,
 O=Gilbane Building Company, OU=Jupiter Office,
 CN=Pablo Burgos-Zayas
 Date: 2017.07.26 14:55:12-04'00'

Contractor:
 GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.

RESPONSES:

1. The new door is HM. See attached revised N.O.A.
2. The new window is to remain aluminum as per schedule.

2017-07-27 WRS.



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidadecounty.gov/economy

Schlage Lock Company
6810 Hillsdale Court
Indianapolis, IN 46250

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Steelcraft Series "H16-4" Double Outswing glazed Steel Doors w / Sidelites & Transom
APPROVAL DOCUMENT: Drawing No "975W" Rev F, titled "H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom", sheets 1 through 17 of 17, prepared by the manufacturer, dated 02-23-03 and last revised on 09/09/15, signed and sealed by Thomas Gordon, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact**Limitations:**

1. See Design Pressures, Sizes and DLO (Day light Opening) limitations in sheets 1, 5, 6 & 7 of the drawings.
2. Doors are not rated for Water infiltration, unless covered by overhang complying w/ FBC requirements.
3. Base anchors at both frame Jamb (detail A, sheet 10 & 14 or detail D sheet 12) and door Mullion base anchors (detail B, sheet 10 thru 14) are required, in addition to anchors at Sidelite detail C, in sheets 11 thru 14.
4. Electrical/Electronic functions and Fire ratings are not part of this approval, such functions to be reviewed and approved by AHJ.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Cincinnati, Ohio and Series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA #14-0827.04 and consists of this page 1 and evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by Ishaq I. Chanda, P.E.



NOA No. 15-0930.06
Expiration Date: May 05, 2020
Approval Date: April 28, 2016
Page 1

4/28/16

Schlage Lock CompanyNOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**A. DRAWINGS**

1. Manufacturer's parts and sections drawings (Submitted under file as below).
2. Drawing No "975W" Rev F, titled "H-16 4 FG 6070 outswing Doors w/ Sidelites & Transom", sheets 1 through 17 of 17, prepared by the manufacturer, dated 02-23-03 and last revised on 09/09/15, signed and sealed by Thomas Gordon, P.E.

B. TESTS (Submitted under files #14-0827.04/#14-0221.03/#13-0826.02 /#12-0305.07/# 08-0715.03)

1. Test report on

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of Single outswing steel doors w/ Stainless steel continuous Hinges & modified Hat stiffeners, marked by Certified Testing Lab, Test Reports No(s). CTLA-3045W dated February 16, 2015, signed and sealed by Ramesh Patel, P.E.

2. Test report on 1) Air Infiltration Test, per TAS 202-94

- 2) Water Resistance Test per FBC TAS 202-94(Not conducted)
- 3) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 4) Large Missile Impact Test per FBC, TAS 201-94
- 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 6) Forced Entry Test, per FBC, TAS 202-94

Along with manufacturer's parts and section drawings of double glazed outswing steel doors w/ sidelites & Transom, marked by Certified Testing Lab, Test Reports No(s). CTLA-975W dated Jan 23, 2003 and CTLA-776W-1 dtd April 25, 2002, both signed & sealed by Ramesh Patel, P.E.

3. Reference Test report

- 1) Air Infiltration Test, per TAS 202-94
- 2) Uniform Static Air Pressure Test, Loading per TAS 202-94
- 3) Large Missile Impact Test per FBC, TAS 201-94
- 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94
- 5) Forced Entry Test, per PA 202-94

Along with manufacturer's parts and section drawings of double glazed outswing steel doors, marked by Certified Testing Lab, Test Reports No(s). CTLA-776W dated February 20, 2002, CTLA-975W dated Jan 23, 2003, CTLA-882W dated Aug 29, 2002, CTLA-1035W dated May 28, 2003 and , CTLA-1086-W dated Nov. 17, 2003 and CTLA-1107W-3 dated June 30, 2004, all signed and sealed by Ramesh Patel, P.E.

Note: Test report CTLA-1035W has been revised by an addendum letter dated Feb 20, 2009, signed and sealed by Ramesh Patel, P.E.

Along with manufacturer's parts and section drawings of glazed outswing double steel doors, marked by Certified Testing Lab, Test Reports No(s). NCTL-210-3232-1 dated 02/24/06 and NCTL-210-3357-1 dated Dec 28, 2006, signed and sealed by Gerard J. Ferrara, P.E.

4 Additional Reference test report No.CTLA-1107W for strap anchor qualification.

Ishaq I. Chanda
Ishaq I. Chanda, P.E.

Product Control Examiner
NOA No. 15-0930.06

Expiration Date: May 05, 2020
Approval Date: April 28, 2016

Schlage Lock CompanyNOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**C. CALCULATIONS:**

1. Anchor verification calculations per FBC 2014 (5th Edition) dated 09/09/15 prepared, signed & sealed by Thomas Gordon., P.E.
2. Hinge Load Evaluation report dtd 01/04/04, prepared, signed & sealed by Thomas Gordon, P.E.

D. QUALITY ASSURANCE BY

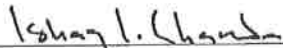
1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS (items 4 thru6, submitted under file # 13-0826.02 /#12-0305.07)

1. Notice of Acceptance No. 13-0717.01 issued to **Sabic Innovative Plastics** for their "**Lexan® Polycarbonate Sheet Products**", expiring on July 17, 2018.
2. Notice of Acceptance No. 14-0916.11 issued to Kuraray America, Inc. (former E.I. DuPont DeNemours & Co., Inc.) for the "**Sentry Glass ® Interlayer**", expiring on 07/4/17.
3. Test Report No. 12-11177, Nov 29, 2012, issued by Commercial Testing Co. for "Surface Flame spread & Smoke density Characteristics of Building material" per ASTM E84-12 for "Elfoam P200", issued to Elliott Co. of Indianapolis Inc.
4. Test Report No. 16206-122543 (1015P200(3)), dated November 29, 2004 for " Surface Burning Characteristics of Bldg material" per ASTM E84 and self-Ignition per ASTM 1929D for "Polyisocyanurate" issued by Omega Point Laboratories, Inc. to Elliot Co., Indianapolis, IN.
5. Tensile test report # CTLA-776W (0194H), dtd 02/25/02 prepared by CTL, Architectural Division, sheet samples, tested per ASTM E8, signed & sealed by Ramesh Patel, P.E.
6. Test Report No. 3094867SAT-001, April 13, 2006, issued by Intertek for "Surface Burning Characteristics of Building material" per ASTM E84 and self-Ignition per ASTM 1929D for "EPS", issued to Falcon Foam, a Div of Atlas Roofing, re-named as "ATLAS EPS'.

F. STATEMENTS: Except items #1, balanced items submitted under file #13-0826.02)

1. Letter of conformance to FBC 2014 (5th Edition), dated 09/09/15, prepared, signed and sealed by Gordon Thomas, P.E.
2. Statement letter dated Nov. 26, 2013 issued by Ingersoll-Rand for name change, signed by Jim Donlan, Compliance Engineer.
3. Ingersoll-Rand press release, dated 12/10/12, integrating the brands of Ingersoll-Rand and Schlage among others.
4. Department of State Certification of Reinstatement for **SCHLAGE LOCK COMPANY, LLC** as a limited liability company, active and organized under the laws of the State of Florida, dated 03/17/06 and filed with the Secretary of State
5. Certification of Formation dated 12-08-2003 of Schlage Lock Company, LLC, issued by Secretary of State of Delaware.
6. Laboratory Compliance statement issued as part of the above test reports.


 Ishaq I. Chanda, P.E.
 Product Control Examiner
 NOA No. 15-0930.06
 Expiration Date: May 05, 2020
 Approval Date: April 28, 2016

Schlage Lock Company

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

G. OTHER

1. This NOA revises & renews NOA #14-0827.04, expiring on 05/05/20.
2. Ref: completed test report # ESP011331P2 per T.P. # 12-0844 R to be submitted within 1-Yr
3. Test proposals # 14-0252, -0254, #14-1086, #14-0254-R1 and #12-0797R approved by RER.
4. Previously consolidates NOA #(s) associated with this files are #14-0221.03/ #13-0826.02 / #12-0305.07/# 08-0715.03 and # 03-0611.04.
5. Technical brochures of butt Hinges, continuous Hinges, Schlage & VonDuprin mullion, Rim and SVR Panic devices, Supplied by Schlage Company (former Ingersoll-Rand).

Ishaq I. Chanda

Ishaq I. Chanda, P.E.

Product Control Examiner

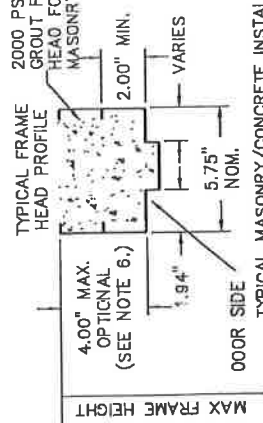
NOA No. 15-0930.06

Expiration Date: May 05, 2020

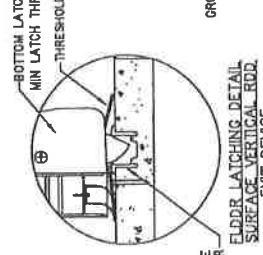
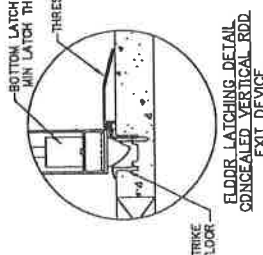
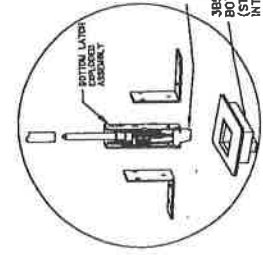
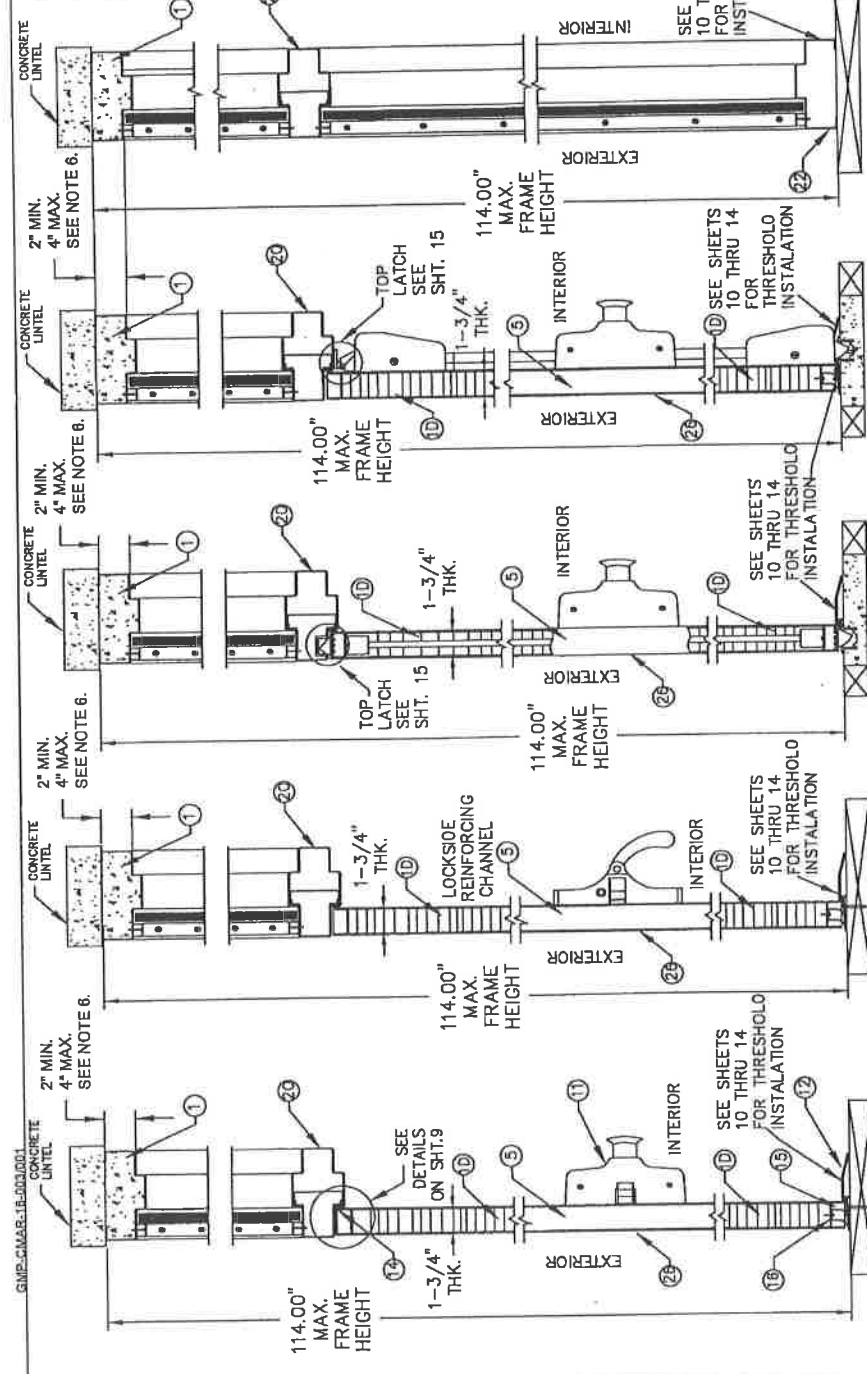
Approval Date: April 28, 2016

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
C	REVISION DWGS.	08/26/08	
D	REVISED	08/30/13	
E	REVISED	03/11/15	JPO



- NOTES:
- SEE SHTS. 1 AND 9 FOR ELEVATION, MATERIAL AND SIZE
 - SEE SHT. 1 NOTE 2 FOR ANCHOR REQUIREMENTS
 - SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEMS
 - SEE SHTS. 5, 7, 9 & 16 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
 - HARWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS.
 - HEAD SECTION CAN HAVE 2" OR 4" FACE HEAD WHEN GROUDED FULL WITH 2000 PSI GROUT, WITHIN MAX FRAME HEIGHT
 - WALL CONSTRUCTION STRUCTURAL MEMBERS MUST COMPLY WITH APPROVED DESIGN PRESSURE RATING.



BEND RADIUS	
THROU ANGLE PROJECTION	
DATE	
Y.M.F.	
CHECKED	
APPROVED	
ENG. APP'X	

SCHLAGE LOCK COMPANY, LLC
 6810 HILLDALE COURT
 INDIANAPOLIS, IN 46250

TITLE
 STEELCRAFT R SERIES SINGLE AND DOUBLE DOORS WITH TRANSM AND SIDOLITE FRAME
 CROSS SECTION OF DOOR AND FRAME
 WITH EXIT HARDWARE
 H-SERIES FG SINGLE AND 8D7D DOUBLE DOOR'S FULLY GLAZED CONFIGURATION W/SIDE AND TRANSM LITES/PANEL

SIZE
 DWG. NO. 975W
 SHEET 3 OF 17

SCALE
 NTS
 AUTOCAD

MANUFACTURING LOCATION
 STEELCRAFT
 9017 BLUE ASH ROAD
 CINCINNATI, OH 45242

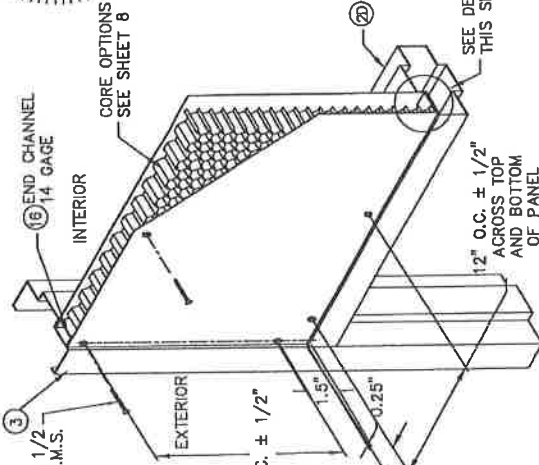
REV E

R E V I S I O N S			
LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL CWGS.	02.25.03	
B	IN T/B, GLAZED WAS GLASS	D6.D6.03	
C	REV'D DWG	D8/27/08	
D	REV'D DWG	D8/30/13	
E	REV'D DWG	D3/11/15	

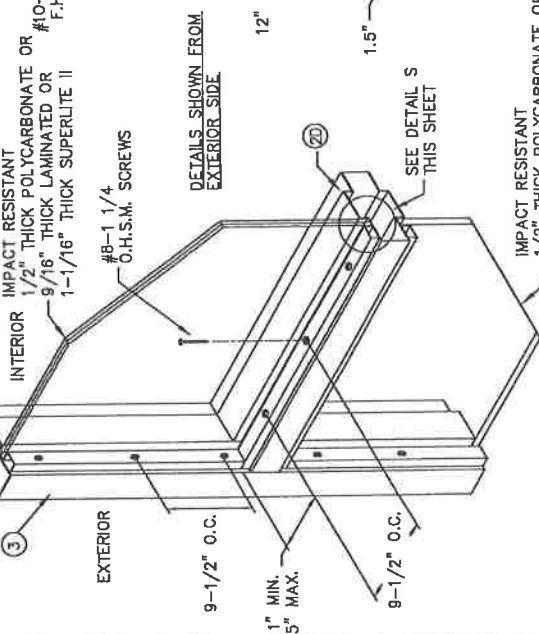


PRODUCT REVIEWED
 in accordance with the Florida
 Building Code, 15-0330-06
 Amendment No. 15-0330-06
 Expiration Date: 12/31/22
 By: [Signature]
 Approval Date: Product Control

FRAME GLAZING DETAIL 'M'
 SIDE / TRANSOM STEEL PANEL



FRAME GLAZING DETAIL 'N'
 SIDE LITE / TRANSOM LITE



SIDELITE/TRANSOM PANEL CONSTRUCTION:
 CORE MATERIAL
 - PHENOLIC RESIN IMPREGNATED
 - HONEYCOMB W/1\"/>

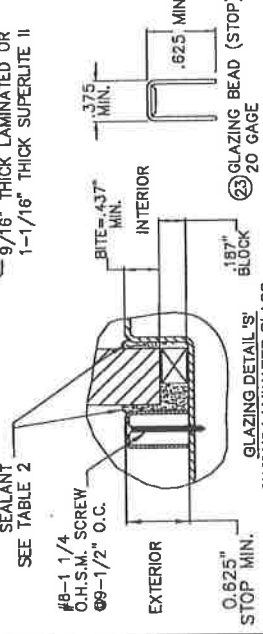
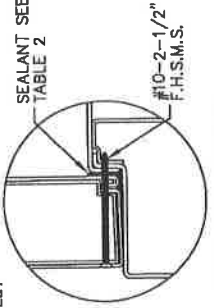


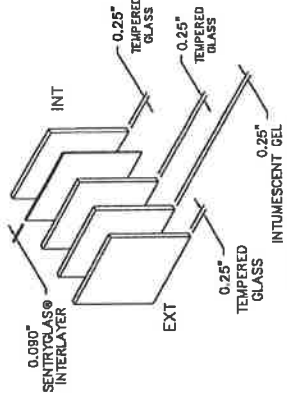
TABLE 2: SIDELITE & TRANSOM GLAZING OPTIONS

GLAZING TYPES AND METHODS	GLAZING SEALANT
TRANSOM & SIDELITE GLAZING OPTIONS	
1/2" TYP. POLYCARBONATE	SIKAFLEX 222UV, 295UV, 552 OR DOW CORNING 995/983
9/16" TYP. HS LAMINATED GLASS	SIKAFLEX 222UV, 295UV, 552 OR DOW CORNING 995/983
1-1/16" TYP. THICK SUPERLITE II-XL™	SIKAFLEX 222UV, 295UV, 552 OR DOW CORNING 995/983
1-3/4" THICK STEEL PANEL	SIKAFLEX 222UV, 295UV, 552 OR DOW CORNING 995/983

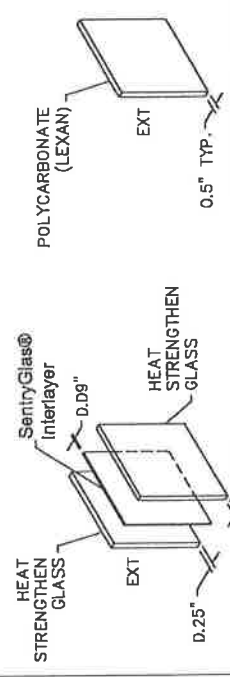


INSTALLATION DETAIL 'T'
 SIDELITE/TRANSOM PANEL

- NOTES:**
- SEE SHTS. 1, 5, 9 AND 16 FOR ELEVATION, MATERIAL AND SIZE
 - SEE SHIT.1 NOTE 2, FOR ANCHOR REQUIREMENTS
 - SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
 - SEE SHTS. 5, 6, 7, 9 & 16 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
 - HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS



INTUMESCENT GLASS CONSTRUCTION DETAIL 'H'
 1-1/16" SUPERLITE II-XL™ BY SAFTI WITH SENTRYGLAS® INTERLAYER



GLASS CONSTRUCTION DETAIL
 9/16" HS LAMINATED GLASS WITH SENTRYGLAS® INTERLAYER

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN BY	YMF
CHECKED	02.28.00
APPROVED	
ENG. APPL.	
SIZE	FLAT
DWG NO.	975W
SCALE	NTS
AUTOCAD	
MANUFACTURING LOCATION:	STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
TITLE	STEELCRAFT W SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDELITE FRAME GLAZING AND PANEL DETAILS H-SERIES FG SINGLE AND 6070 DOUBLE OPENING FULL GLAZED CONFIGURATION W/SIDE AND TRANSOM LITES/PANEL
REV	4 OF 17
E	

QMP-CLAS-16-0033.001

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	01/06/05	YMF
C	REV'D DWG	06/27/08	
D	REV'D DWG	08/30/13	
E	REV'D DWG	03/11/15	

AVAILABLE DOOR-LITE CONFIGURATIONS (SEE SHEET 6)

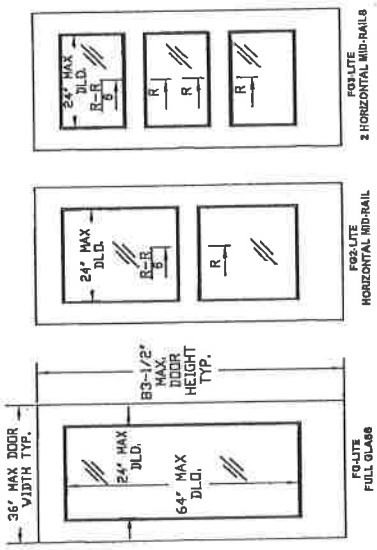


TABLE 5. STEEL DOOR & FRAME MECHANICAL PROPERTIES

MATERIAL	ASTM REF.	YIELD KSI	TENSILE KSI
CRS	A368	MIN. 41.5	MIN. 52.9
HRS	A1011	MIN. 41.5	MIN. 52.9
GALV	A924	MIN. 41.5	MIN. 52.9
SS	304,316, A240	MIN. 41.5	MIN. 73.2

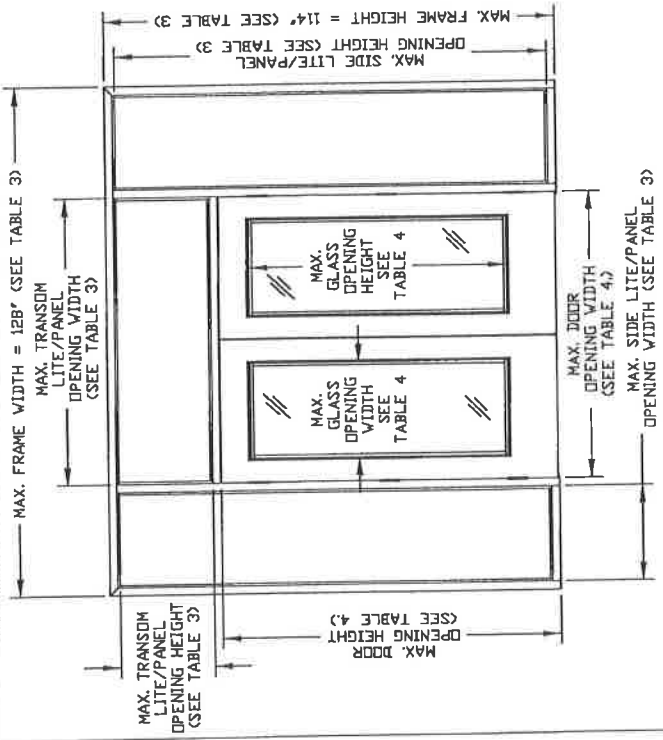


TABLE 3. AVAILABLE STEELCRAFT FRAME CONFIGURATIONS (SEE NOTE 1.)

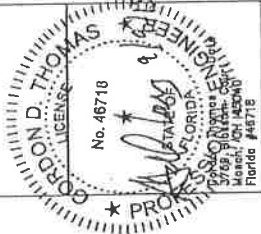
FRAME SERIES	JAMB DEPTH	FRAME MATERIAL		WALL OPENING SIZE, MAX.		TRANSOM LITE/PANEL OPENING SIZE, MAX.		SIDE LITE/PANEL OPENING SIZE, MAX.		GLAZING MATERIAL	
		DESCR.	GA./MIN. THK	WIDTH	HEIGHT	WIDTH	HEIGHT	WIDTH	HEIGHT	DESCR.	THICKNESS
F	5.75" NOM.	CRS/HRS GALV	16/.053" 14/.067" 12/.089"	10'8" (128")	9'6" (114")	9'0" (72")	2'2" (26")	2'0" (24")	9'2" (110")	POLYCARBONATE LEXAN BY SABIC INNOVATIVE PLASTICS	.5" TYP.
MU	5.75" NOM.	STAINLESS STEEL	16/.053"							LAMINATED GLASS WITH 0.09" SENTRYGLAS® INTERLAYER	.56" TYP.
		CRS/HRS GALV	16/.053" 14/.067"							LAMINATED GLASS SUPERLITE II BY SAFTI	1.06" TYP.
										SIDE/TRANSOM PANEL WITH HONEYCOMB CORE POLYSTYRENE CORE PDIURETHANE CORE	1.75"

TABLE 4. AVAILABLE STEELCRAFT DOOR CONFIGURATIONS (SEE NOTE 2.4)

CORE MATERIAL PER SHT.8	DOOR OPENING SIZE, MAX.		SKIN MATERIAL		GLASS OPENING SIZE, MAX.		GLAZING MATERIAL	
	WIDTH	HEIGHT	DESCR.	GA./MIN. THK	WIDTH	HEIGHT	DESCR.	THICKNESS
HONEYCOMB POLYSTYRENE POLYURETHANE	6'0" (72")	7'0" (84")	CRS GALV	16/.053" 14/.067"	2'0" (24")	5'4" (64")	POLYCARBONATE LEXAN BY SABIC MAKROLON BY BAYER	.5" TYP.
			Fy min=41.5KSI				LAMINATED GLASS WITH 0.09" SENTRYGLAS® INTERLAYER	.56" TYP.
			STAINLESS STEEL	16/.053"			LAMINATED GLASS SUPERLITE II BY SAFTI	1.06" TYP.
			Fy min=41.5KSI					

NOTES:

- FRAME CONSTRUCTION
 - 1.1. NOMINAL JAMB DEPTH - 5 3/4", STOP HEIGHT - 5/8"
 - 1.2. FRAMES AVAILABLE AS FLUSH (F-SERIES) AND MULT-USE(MU-SERIES) (SEE TABLE 3.)
 - 1.3. FOR GLAZING DETAILS REFER TO SHEET 4.
 - 1.4. SIZE/TRANSOM LITE/PANEL SIZES SHOWN (AS TESTED) ARE MAX. SIZES AVAILABLE. MULTIPLE LITES/PANELS ARE ACCEPTABLE WITH TOTAL DIMENSIONS LESS OR EQUAL TO THE SHOWN MAX. DIMENSIONS SHOWN IN TABLE 3.
- DOOR CONSTRUCTION
 - 2.1. NOMINAL DOOR THICKNESS - 1 3/4"
 - 2.2. GLASS OPENING SIZE TESTED (SEE TABLE 4.) IS MAX SIZE AVAILABLE FOR 6'0" x 7'0" DOOR OPENING. ALL SMALLER SIZES ARE ACCEPTABLE, AS DETERMINED BY FBC.
 - 2.3. MAXIMUM GLASS OPENING SIZE WILL CHANGE IN PROPORTION WITH DOOR SIZE TESTED.
 - 2.4. AVAILABLE DOOR-LITE CONFIGURATIONS: SEE SHEET 5.
 - 2.5. FOR GLAZING DETAILS REFER TO SHEET 7.
- SEE TABLE 5 FOR MATERIAL SPECIFICATIONS FOR DOORS & FRAMES.



PRODUCT REVISED
in compliance with the Florida
Building Code
Acceptance No. 15-0920-06
Expiration Date: 5/1/20
Gordon D. Thomas
Registered Professional Engineer

BEND RADIUS	
THIRD ANGLE PROJECTION	
DATE	
BY	YMF
CHECKED	
APPROVED	
ENG. APPL.	
SCALE	NTS AUTOCAD
SIZE	FLAT
FIG. NO.	975W
SHEET	5 OF 17
REV	E
MANUFACTURING LOCATION	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250
DOOR AND FRAME CONFIGURATIONS AND MATERIAL SPECS.	TITLE: STEELCRAFT SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDE-LITE FRAMES 9017 BLUE ASH ROAD CINCINNATI, OH 45242
85 of 170	

REVISIONS

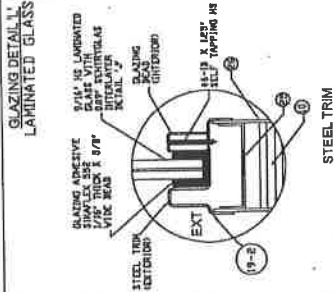
LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF	01/06/05
C	REVISED DWG	YMF	08/27/08
D	REVISED DWG	JPD	08/30/13
E	REVISED DWG	JPD	03/11/15

PRODUCT REVIEWED
in compliance with the Florida
Building Code
Examination No. 15-0830-06
Approved Date: 11/27/10
[Signature]
Approved Design Professional Seal

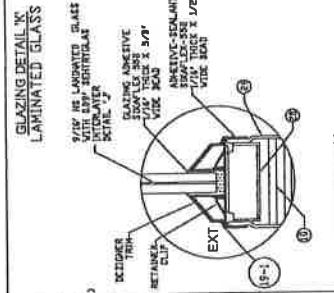
TABLE 6.

GLAZING TYPES AND METHODS			
TYPE	GLAZING MATERIAL	TRIM TYPE	SEALANT -ADHESIVE
1	LEXAN BY SABIC INNOVATIVE PLASTICS 1/2" TRIM DETAILS 'D', 'E', 'F'	DESIGNER 1/2" STEEL TRIM	SIKAFLEX 552 OR 295UV 1/16" X 5/8" BEAD
2	LAMINATED GLASS WITH SENTRYGLAS INTERLAYER 1/2" TRIM DETAILS 'K', 'L', 'M'	DESIGNER 1/2" STEEL TRIM	SIKAFLEX 552 OR DOW CORNING 985/983 1/16" X 5/8" BEAD
3	SUPERLITE II-XL™ BY SAFI WITH SENTRYGLAS INTERLAYER 1/2" TRIM DETAILS 'F', 'G', 'H'	1" STEEL TRIM (DETAIL 'G') SECURITY VISION FRAME SG-10 BY ANEMOSTAT (DETAIL 'F')	SIKAFLEX 552 OR DOW CORNING 985/983 1/16" X 5/8" BEAD

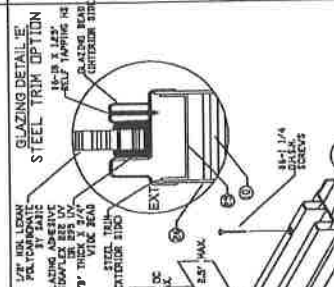
GLAZING TYPE 2 (SG)



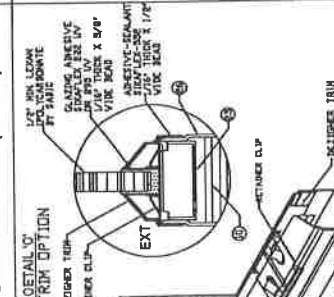
GLAZING TYPE 2 (SG)



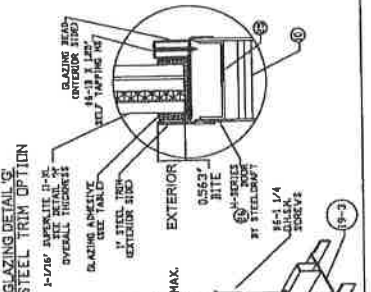
GLAZING TYPE 1 (LEXAN)



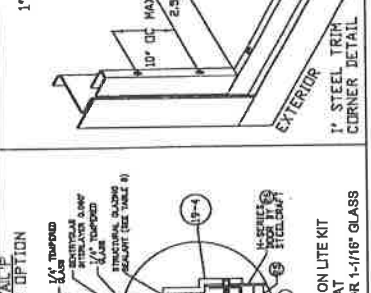
GLAZING TYPE 1 (LEXAN)



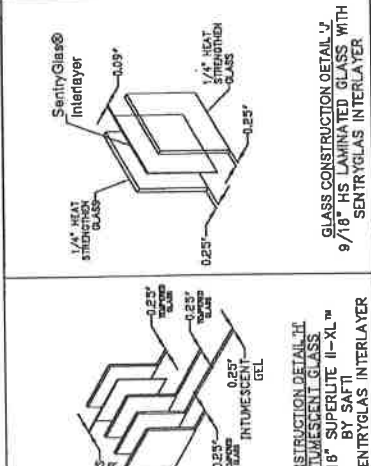
GLAZING TYPE 3 (SUPERLITE II-XL)



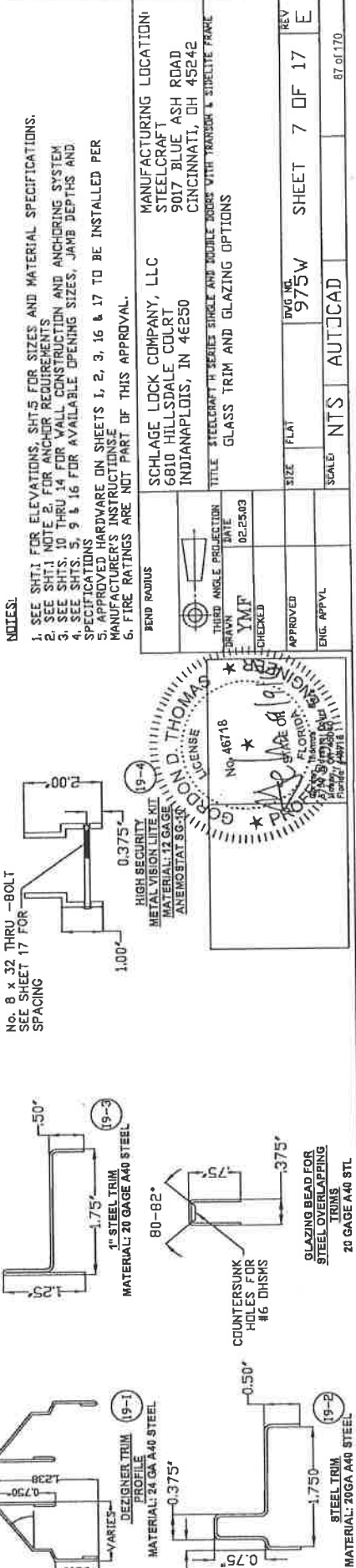
GLAZING TYPE 3 (SUPERLITE II-XL)



LAMINATED GLASS DETAILS



GLASS TRIM OPTIONS



NOTES:

- SEE SHT.1 FOR ELEVATIONS, SHTS 5 FOR SIZES AND MATERIAL SPECIFICATIONS.
- SEE SHT.1 NOTE 2. FOR ANCHOR REQUIREMENTS
- SEE SHTS. 10 THRU 14 FOR WALL CONSTRUCTION AND ANCHORING SYSTEM
- SEE SHTS. 5, 9 & 16 FOR AVAILABLE OPENING SIZES, JAMB DEPTHS AND SPECIFICATIONS
- APPROVED HARDWARE ON SHEETS 1, 2, 3, 16 & 17 TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS
- FIRE RATINGS ARE NOT PART OF THIS APPROVAL.

BEND RADIUS

THIRD ANGLE PROJECTION

DATE: 02/25/08

CHECKED: YMF

APPROVED: [Signature]

ENG. APP'VL

PROFESSIONAL ENGINEER

FLORIDA

NO. 48718

DATE: 02/25/08

PROJECT: [Signature]

GLAZING BEAD FOR STEEL OVERLAPPING TRIMS 20 GAUGE A40 STL

COUNTERSUNK HOLES FOR #6 DMSMS

GLAZING BEAD FOR STEEL TRIMS 20 GAUGE A40 STL

SIZE	FLAT	DWG. NO.	975W	SHEET	7 OF 17	REV	E
SCALE:	NTS	AUTOCAD					87 of 170

MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

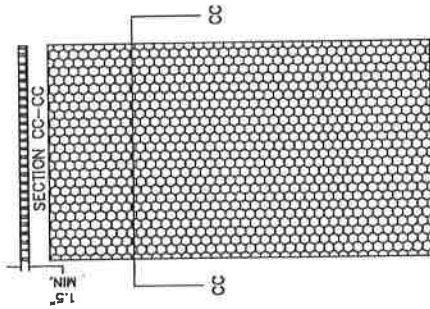
GLASS TRIM AND GLAZING OPTIONS

SCHLAGE LOCK COMPANY, LLC
6810 HILLSDALE COURT
INDIANAPOLIS, IN 46250

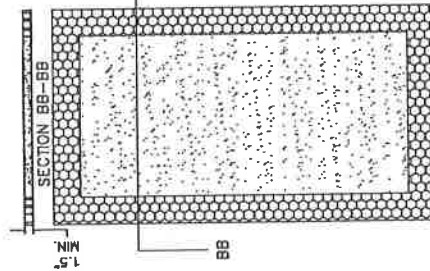
TITLE: STEELCRAFT SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIBELITE FRAME

R E V I S I O N S

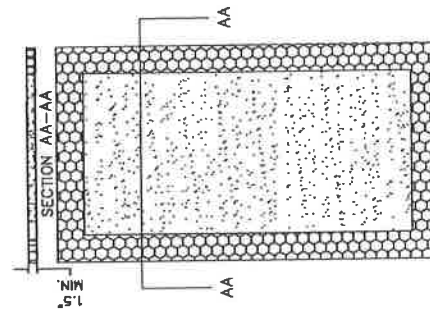
LTR	DESCRIPTION	DATE	APPROVED
D	REVD DWG.	08/30/13	
E	REVISED	JPD 03/11/13	
F	REVISED	JPD 05/05/15	



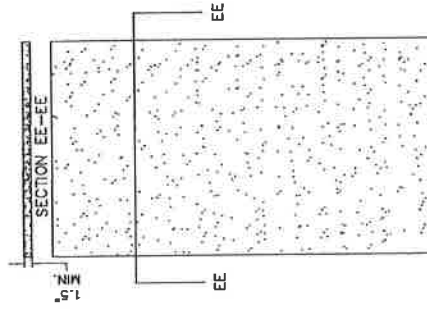
(C) HONEYCOMB KRAFT PAPER.



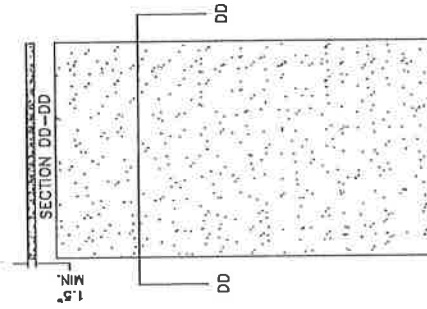
(B) POLYISOCYANURATE (POLYURETHANE) BY ELLIOT CO. OF INDIANAPOLIS, IN DENSITY: 2 LBS/FT³



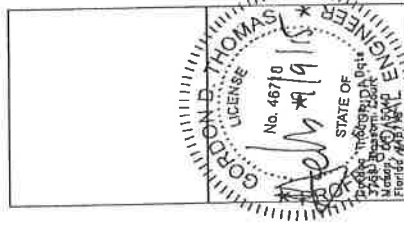
(A) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS DENSITY: 1.0 LBS/FT³



(E) POLYISOCYANURATE (POLYURETHANE) BY ELLIOT CO. OF INDIANAPOLIS, IN DENSITY: 2 LBS/FT³



(D) EXPANDED POLYSTYRENE FOAM BY ATLAS EPS, DENSITY: 1.0 LB/FT³



PRODUCT REVISED
 as complying with the Florida
 Building Code
 Amendment No. 15-0232-06
 Expiration Date: 5/31/20
 Major Code Product Control

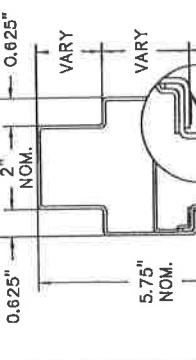
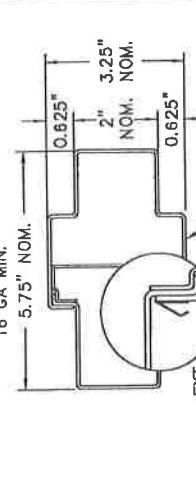
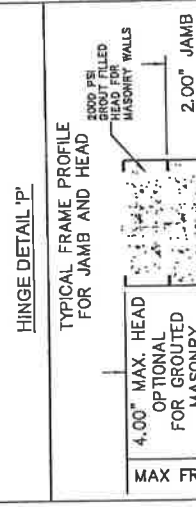
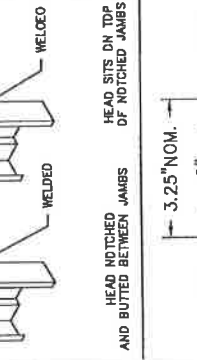
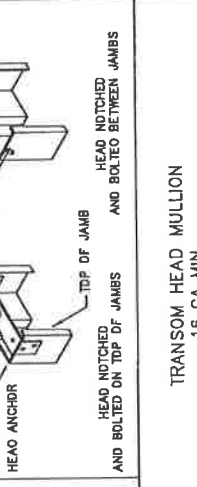
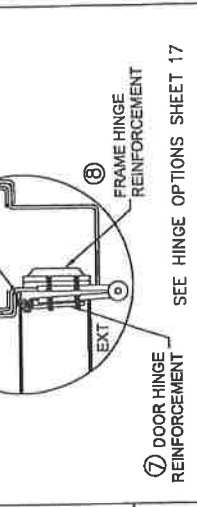
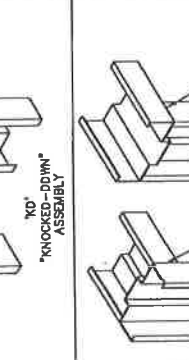
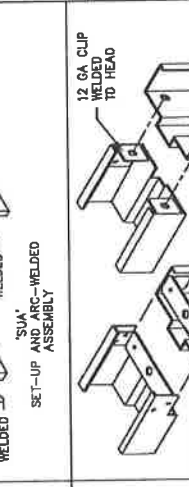
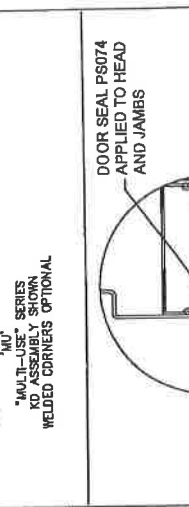
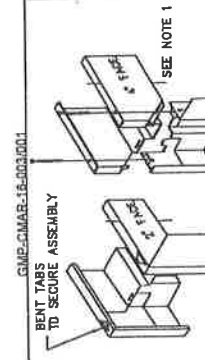
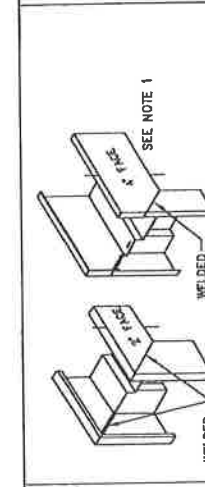
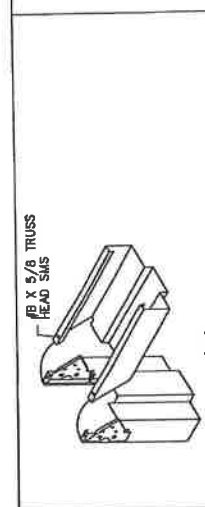
NOTES:

- CORE MATERIAL SHOWN WITHOUT HARDWARE REINFORCEMENTS OR GLASS LITE CUTOUTS.

	BEND RADIUS THIRD ANGLE PROJECTION DRAWN: YMT CHECKED:	DATE: 03.24.13
TITLE: STEELCRAFT "H" SERIES SINGLE AND DOUBLE DOORS WITH TRANSLUCENT AND SOLID FRAME CORE MATERIAL FOR DOORS AND PANELS		
SCALE: NTS	DWG. NO.: 975W	SHEET 8 OF 17
ENG. APP'L	DATE:	REV: F

R E V I S I O N S

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	02.25.03	
C	REVISED DWG	08/27/08	
D	REVISED DWG	08/30/13	
E	REVISED DWG	03/11/15	



WELD AT JOINT CONTINUOUS THROUGH MAX. 5'-0" UNLESS NOTED OTHERWISE. WELD BEHIND HEAD ALONG SIDES BOTH SIDES 880# MIN LOAD CAPACITY

PRODUCT REVISED to comply with the Florida Building Code Acceptance No. 15-0-970-05 Expiration Date: 3/31/20

Adjust Frame Product Control

NOTES:
1. GROUDED 4" FACE HEAD MAY BE USED WITHIN MAXIMUM FRAME HEIGHT LIMITATIONS.

SCHLAGE LOCK COMPANY, LLC
6810 HILLSDALE COURT
INDIANAPOLIS, IN 46250

MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

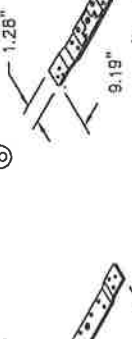
TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM AND SIDEITE FRAME CORNER DETAILS AND WEATHERSTRIPPING ATTACHMENT FOR FLUSH FRAME AND MU FRAMES

SIZE: FLAT
DWG NO.: 975W
SHEET: 9 OF 17

SCALE: NTS
AUTOCAD

REV: E

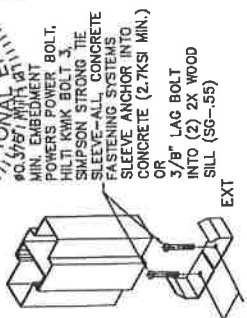
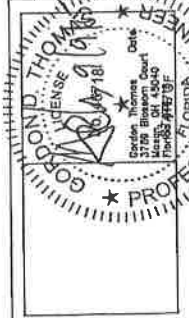
88 of 170



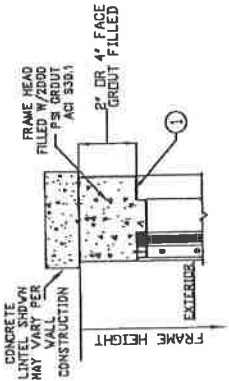
GMP-CMAA-1E-003-0001

REVISIONS

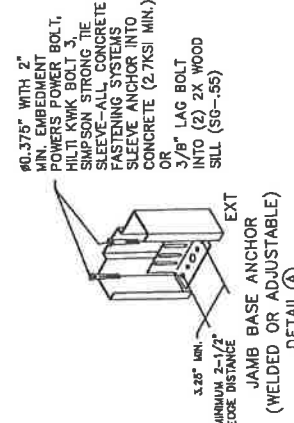
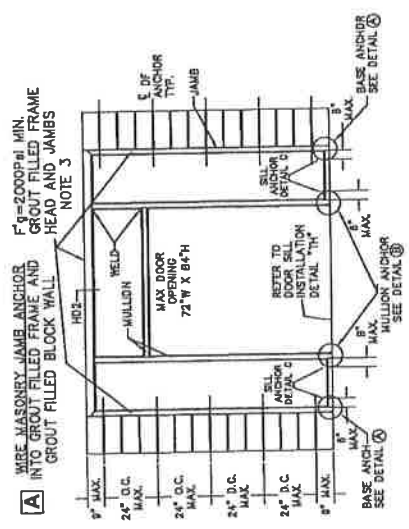
LTR	DESCRIPTION	DATE	APPROVED
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C	REVISED DWG	09/12/08	YMF
D	REVISED DWG	08/30/13	JPD
E	REVISED DWG	03/11/15	JPD
F	REVISED DWG	05/05/15	JPD



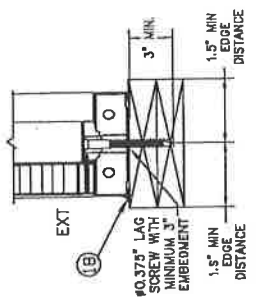
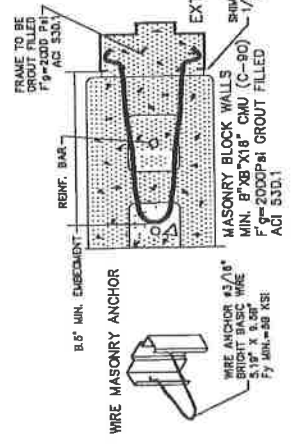
MINIMUM 2-1/2" MULLION BASE ANCHOR
DETAIL (B)



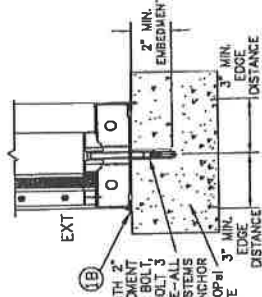
HDP - FRAME HEAD SECTION
SIDE VIEW SHOWN GLAZED



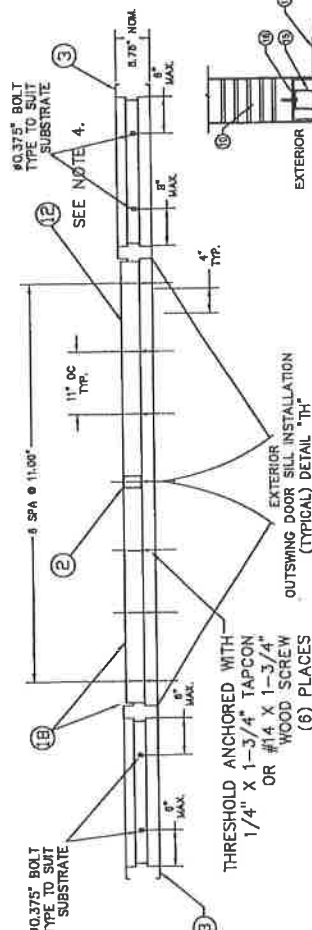
JAMB BASE ANCHOR
(WELDED OR ADJUSTABLE)
DETAIL (A)



SIDELITE SILL ANCHOR
DETAIL INTO WOOD
(2) 2X (SG-55)
SHOWN WITH PANEL
(SIDE VIEW)
DETAIL (C)



SIDELITE SILL ANCHOR
DETAIL INTO CONCRETE
(2.7KSI MIN.)
SHOWN GLAZED
(SIDE VIEW)
DETAIL (C)



THRESHOLD ANCHORED WITH
1/4" X 1-3/4" TAPCON
OR #14 X 1-3/4" WOOD SCREW
WOOD SCREW
(6) PLACES
EXTERIOR DOOR SILL INSTALLATION
(TYPICAL) DETAIL (H)



PRODUCT REVISED
in compliance with the Florida
Building Code
Amendment No. 15-C-0130-01
Implementation Date 5/31/2015
By: [Signature]
Project Control

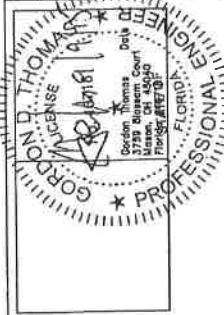
- NOTES:**
1. WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE.
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
 3. HEAD SECTION CAN HAVE 4" FACE WHEN GROUTED FULL 2000 PSI GROUT ACI 530.1 WITHIN MAX FRAME HEIGHT TESTED.
 4. APPLY CAULK AS NEEDED

BEND RADIUS	MANUFACTURING LOCATION:
THIRD ANGLE PROJECTION	SCHLAGE LOCK COMPANY, LLC
DRAWN	6810 HILLSDALE COURT
CHECKED	INDIANAPOLIS, IN 46250
DATE	9017 BLUE ASH ROAD
YMF	CINCINNATI, OH 45242
02.25.03	TITLE: STEELCRAFT SILL AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME ANCHOR DETAILS / MOUNTING CONDITIONS
APPROVED	SCALE: NTS AUTOCAD
ENG. APPVAL	SHEET 10 OF 17
	REV F

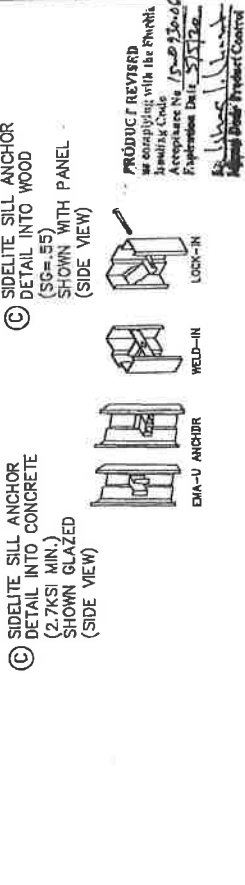
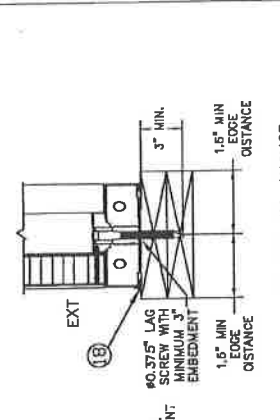
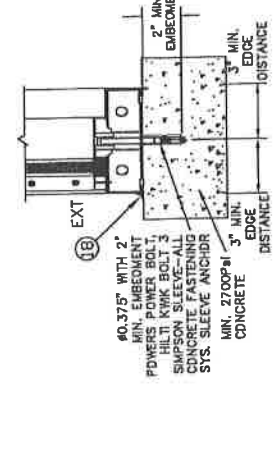
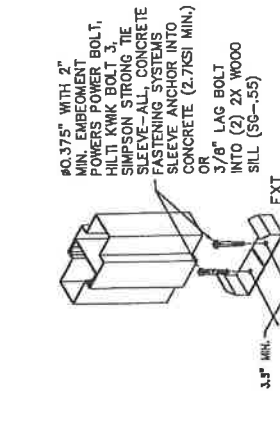
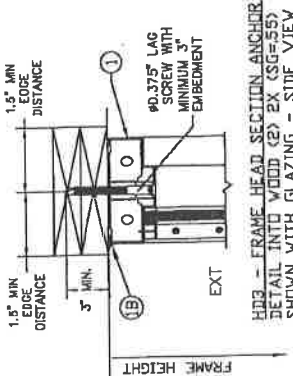
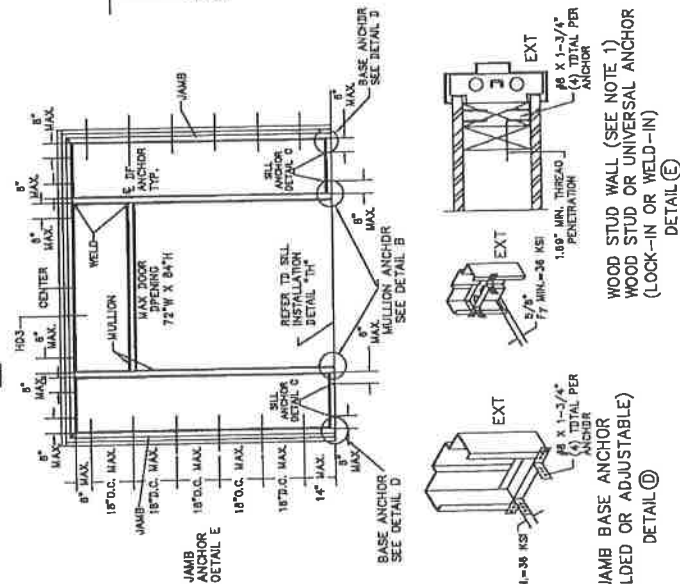
90-g-472

R E V I S I O N S

LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF 01/06/05	
C	REVISED DWG	YMF 08/27/08	
D	REVISED DWG	JPD 08/30/13	
E	REVISED DWG	JPD 03/11/15	
F	REVISED DWG	JPD 05/05/15	

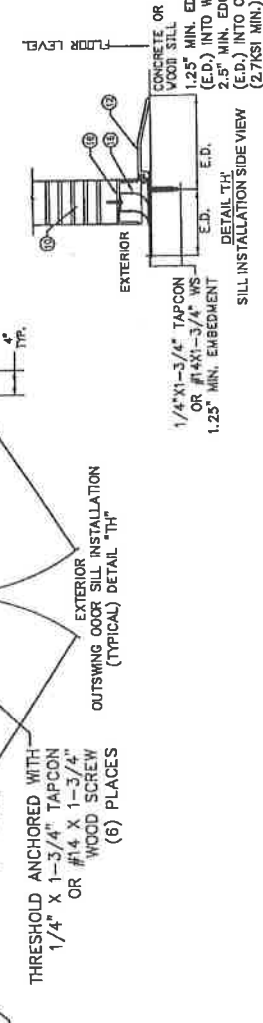


C WOOD STUD JAMB ANCHOR



NOTES:
 1. WOOD STUD WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE AND MUST CARRY 320#/FT LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL.
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM ON CENTER DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
 3. APPLY CAULK AS NEEDED.

BEND RADIUS	THIRD ANGLE PROJECTION	DATE	DATE
	YMF	02.25.03	
APPROVED	ENG. APPVL		
SIZE	FLAT	DWG NO.	975W
SCALE	NTS	AUTOCAD	
SHEET	12 OF 17	REV	F



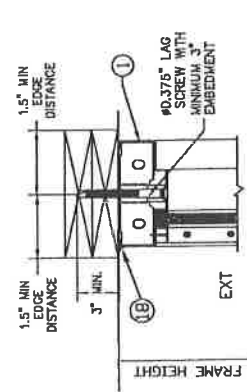
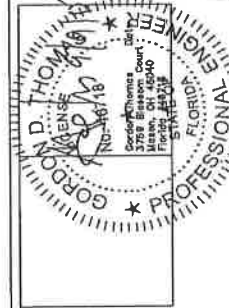
MANUFACTURING LOCATION:
 STEELCRAFT
 9017 BLUE ASH ROAD
 CINCINNATI, OH 45242

TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME ANCHOR DETAILS / MOUNTING CONDITIONS

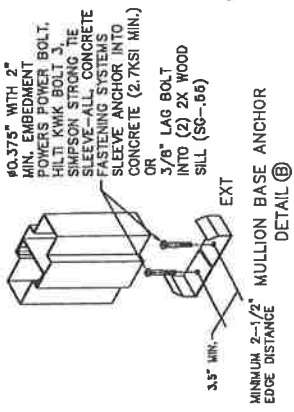
CONCRETE OR WOOD SILL
 1.25" MIN. EDGE DISTANCE (E.D.) INTO WOOD(SG-55)
 2.5" MIN. EDGE DISTANCE (E.D.) INTO CONCRETE (2.77KSI MIN.)

R E V I S I O N S

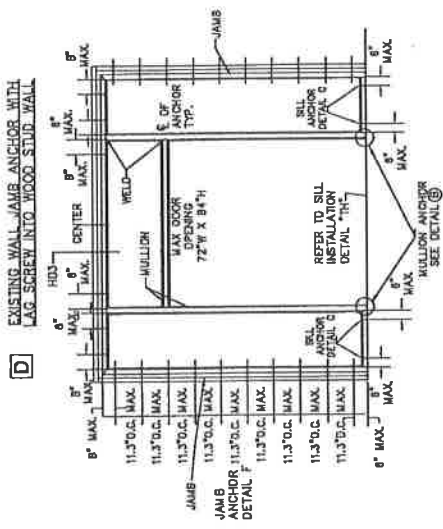
LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	YMF 01/06/05	
C	REVISED DWG	YMF 08/27/08	
D	REVISED DWG	JPD 08/30/13	
E	REVISED DWG	JPD 03/11/15	
F	REVISED DWG	JPD 05/05/15	



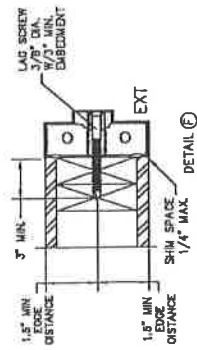
HD3 - FRAME HEAD SECTION ANCHOR DETAIL INTO WOOD (2) 2X SG-55) SHOWN WITH GLAZING - SIDE VIEW



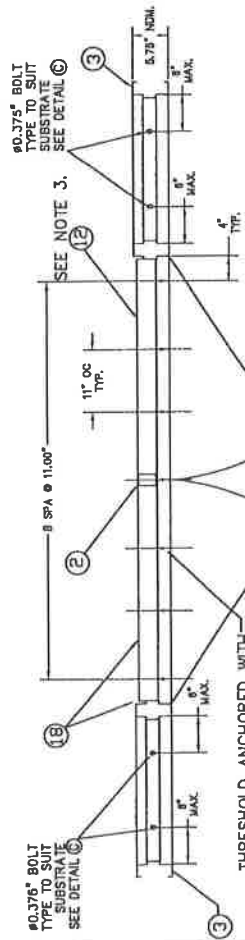
HD3 - FRAME HEAD SECTION ANCHOR DETAIL INTO WOOD (2) 2X SG-55) SHOWN WITH GLAZING - SIDE VIEW



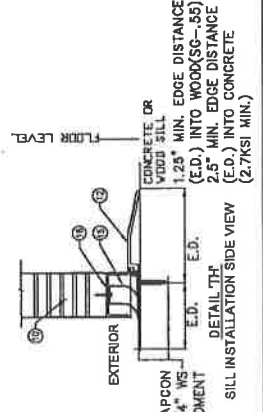
JAMB ANCHOR DETAIL F



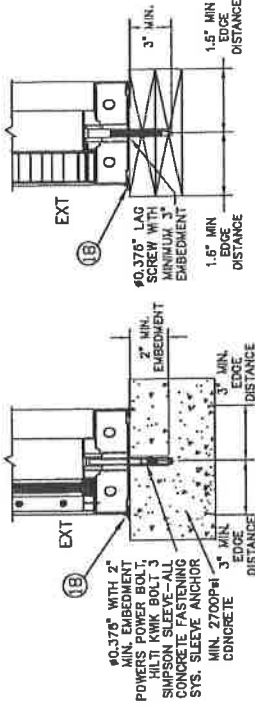
LAG SCREW 3/8" DIA. W/3" MIN. EMBEDMENT



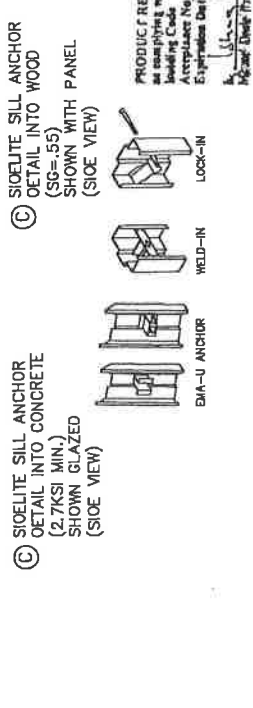
THRESHOLD ANCHORED WITH 1/4" X 1-3/4" TAPCON OR #14 X 1-3/4" WOOD SCREW (6) PLACES



SILL INSTALLATION SIDE VIEW



SIOCLITE SILL ANCHOR DETAIL INTO CONCRETE (2.7KSI MIN.) SHOWN WITH PANEL (SIDE VIEW)



SIOCLITE SILL ANCHOR DETAIL INTO WOOD (SG-55) SHOWN WITH PANEL (SIDE VIEW)

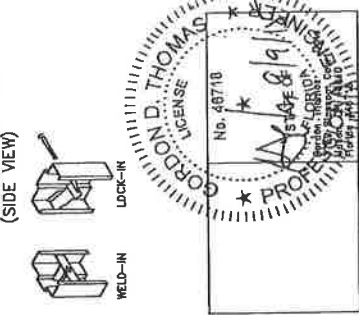
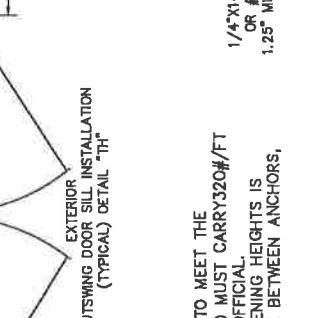
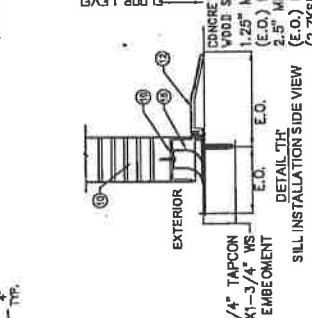
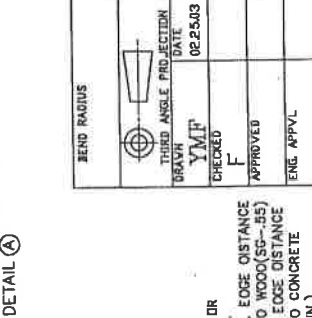
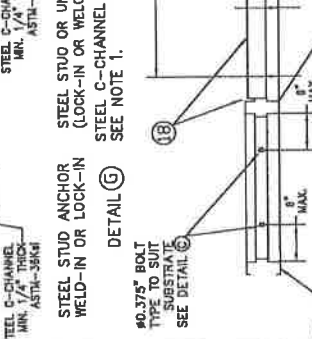
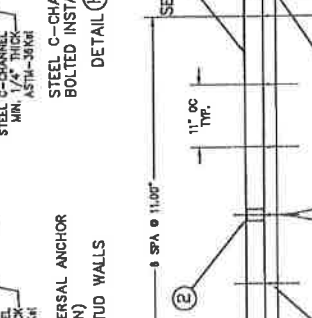
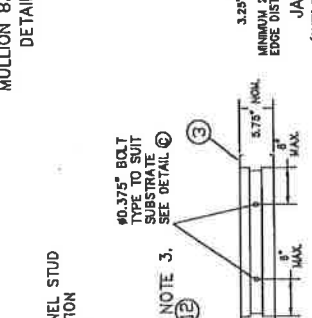
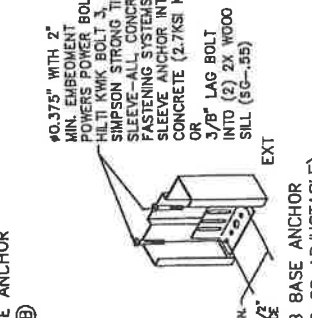
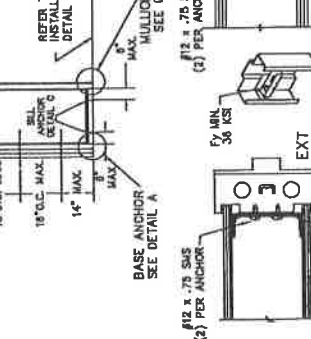
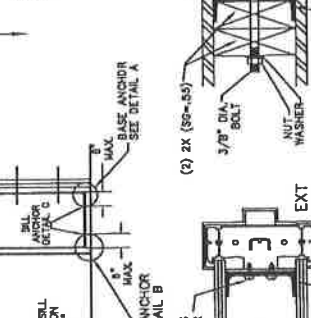
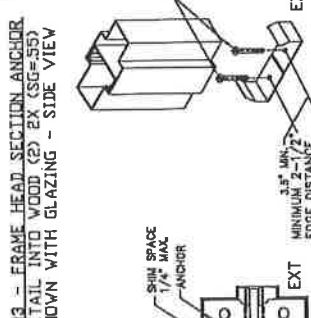
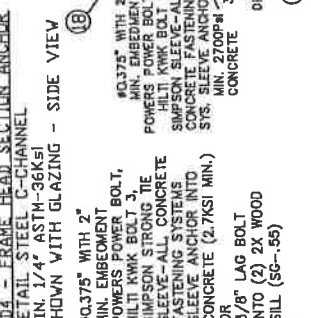
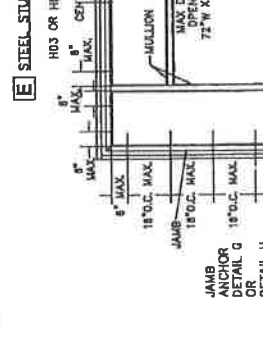
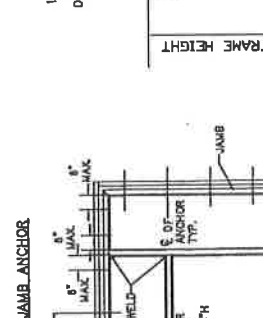
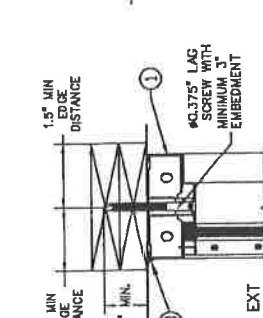
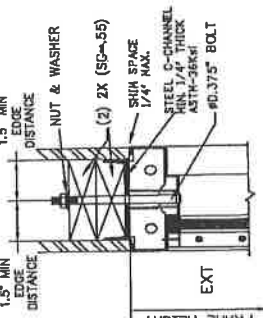
NOTES:
 1. WOOD STUD WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE AND MUST CARRY 320#/FT LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL.
 2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM ON CENTER DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
 3. APPLY CAULK AS NEEDED.

BEND RADIUS	SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46032	MANUFACTURING LOCATION STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
THIRD ANGLE PROJECTION	DATE	TITLE
CHECKED	02/25/03	STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIOCLITE FRAME ANCHOR DETAILS / MOUNTING CONDITIONS
APPROVED	DWG NO.	REV
ENG. APPROVAL	975W	13 OF 17
SCALE:	NTS	AUTOCAD

GMU-CHAR-16-0001001

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
B	APPROVAL DWG	01/06/05	YMF
C	REVISED DWG	08/27/08	YMF
D	REVISED DWG	08/30/13	JPD
E	REVISED DWG	03/11/15	JPD
F	REVISED DWG	05/05/15	JPD



PRODUCT REVIEWED
in compliance with the Florida Building Code
Approval No. 15-09726-06
Expiration Date: 3/31/22
Gordon D. Thomas
Professional Engineer
Mechanical Engineering

MANUFACTURING LOCATION:
STEELCRAFT
9017 BLUE ASH ROAD
CINCINNATI, OH 45242

TITLE: STEECRAFT R SERIES SINGLE AND DOUBLE DOORS WITH THRESHOLD & SIDELITE FRAME ANCHOR DETAILS / MOUNTING CONDITIONS

MANUFACTURING LOCATION:
SCHLAGE LOCK COMPANY, LLC
6810 HILLSDALE COURT
INDIANAPOLIS, IN 46032

THIRD ANGLE PROJECTION
DRAWN: YMF
DATE: 02/25/03
CHECKED: F
APPROVED: F
ENG. APP'VAL:

SIZE: FLAT
DWG. NO.: 975W
SHEET: 14 OF 17
SCALE: NTS
AUTOCAD

REVISIONS

MANUFACTURING LOCATION:
SCHLAGE LOCK COMPANY, LLC
6810 HILLSDALE COURT
INDIANAPOLIS, IN 46032

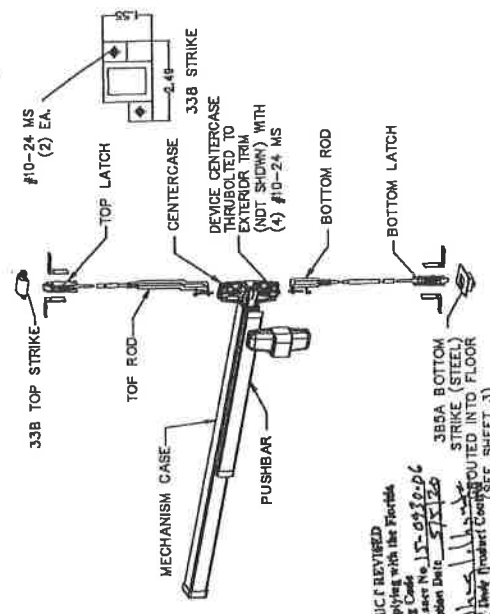
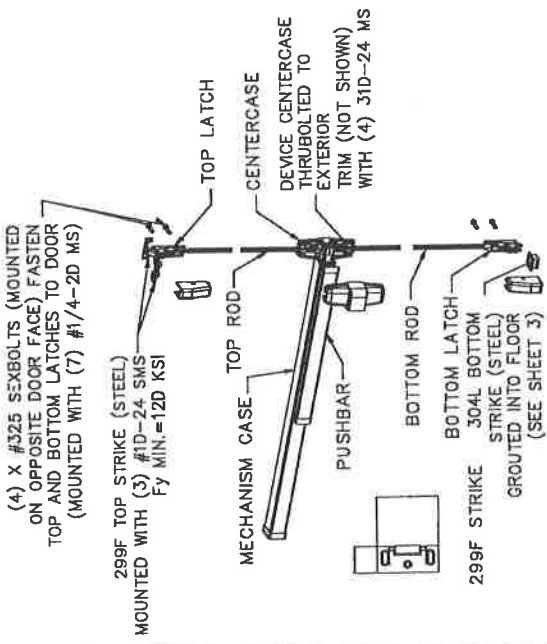
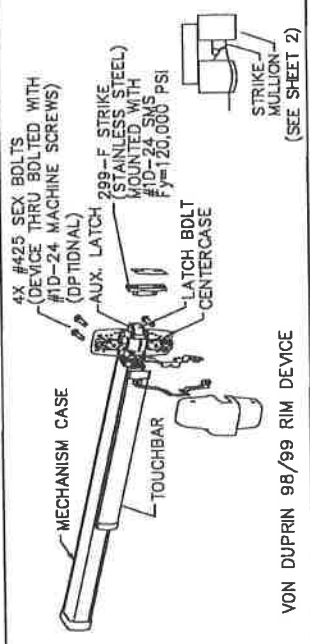
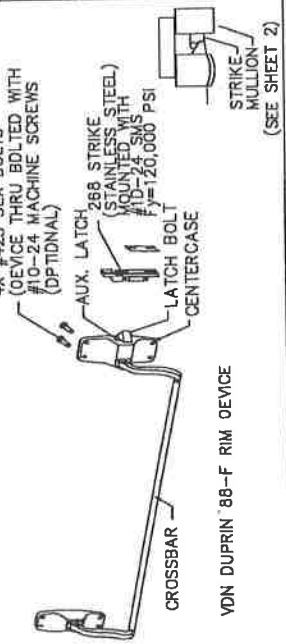
TITLE: STEECRAFT R SERIES SINGLE AND DOUBLE DOORS WITH THRESHOLD & SIDELITE FRAME ANCHOR DETAILS / MOUNTING CONDITIONS

NOTES:
1. STEEL STUD WALLS MUST BE DESIGNED TO MEET THE REQUIREMENTS OF THE BUILDING CODE AND MUST CARRY 320#/FT LOAD AND TO BE REVIEWED BY BUILDING OFFICIAL.
2. NUMBER OF ANCHORS FOR VARIOUS OPENING HEIGHTS IS LIMITED BY MAXIMUM ON CENTER DISTANCE BETWEEN ANCHORS, SHOWN ON THIS SHEET.
3. APPLY CAULK AS NEEDED.

GME-CMAB-15-003.001

REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
0	APPROVAL DWG	JPO 08/30/13	
E	REVISED	JPD 03/11/15	



PRODUCT REVISED as complying with the Florida Building Code Amendments No. 15-09316-DG Effective Date 5/13/15

Approved by: [Signature]

Project: [Signature]

Approved: [Signature]

- NOTES:
- ELECTRICAL FUNCTIONS/INSTALLATION AND FIRE RATINGS ARE NOT PART OF THIS APPROVAL AND TO BE REVIEWED AND APPROVED BY BUILDING OFFICIAL HAVING JURISDICTION.
 - EXIT HARDWARE OPTIONS: FOR 98/99 & XP98/99 SERIES - FUNCTIONS E, RX, LX, SS, EL, CX, F, TRIM: ALL APPLICABLE TRIMS AVAILABLE. FOR 88-F SERIES - FUNCTION E; TRIM: ALL APPLICABLE TRIMS AVAILABLE. PN MODEL OFFERED. FOR 33/35-F SERIES - FUNCTIONS RX, LX, EL, SS; TRIM: ALL APPLICABLE TRIMS AVAILABLE.

BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN BY	JPD
CHECKED	
DATE	12/29/12
APPROVED	
ENG. APP'AL	

GOVERNOR THOMAS R. ABT'S OFFICE OF PROFESSIONAL ENGINEERING REGULATION

PROFESSIONAL ENGINEER

STATE OF FLORIDA

Professional Engineer
 Stephen J. Tompkins
 Miami, OH 43040
 Florida #45716

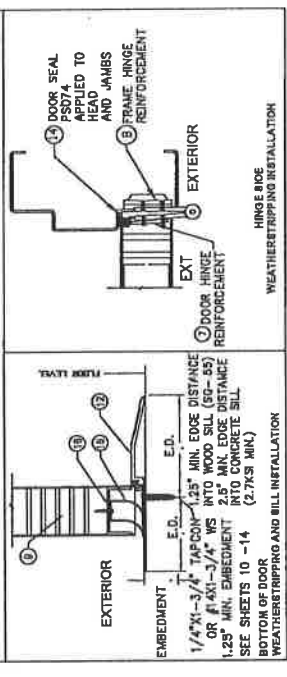
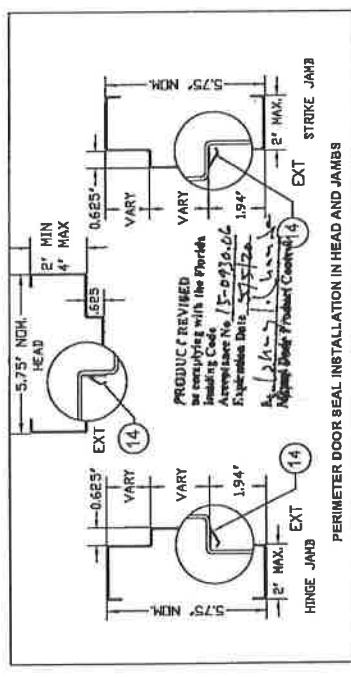
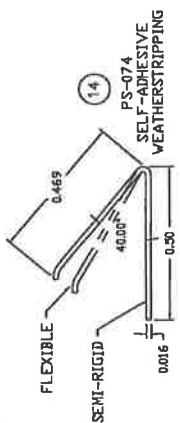
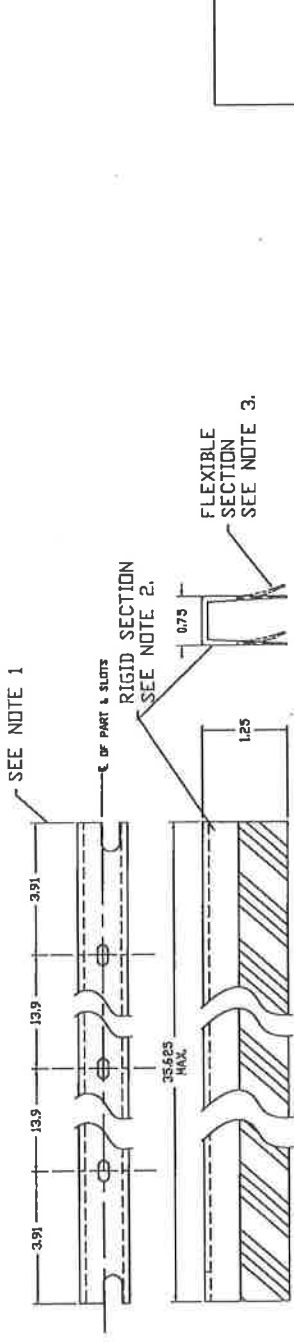
MANUFACTURING LOCATION:	SCHLAGE LOCK COMPANY, LLC STEELCRAFT 9017 BLUE ASH ROAD CINCINNATI, OH 45242
TITLE	STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH SURELITE AND TRANSLUM FRAMES EXIT DEVICE OPTIONS
SIZE	FLAT
SCALE	NTS
DWG. NO.	975W
SHEET	15 OF 17
REV	E

VON DUPRIN 33/3547A-F CONCEALED VERTICAL ROD DEVICE

95 of 170

REV I S I O N S

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWG	JPD 03/11/15	
B	REVISED	JPD 05/05/15	



NOTES:

1. SLOT LOCATIONS (ITEM #15) MAY VARY WITH DIFFERENT DOOR WIDTH.
2. DOOR SWEEP (ITEM #15) RIGID SECTION IS MADE OF PRO-FAX #PD-199 POLYPROPYLENE HOMOPOLYMER
3. DOOR SWEEP (ITEM#15) FLEXIBLE SECTION IS MADE OF SANTOPRENE #101-73 73 DIAMETER - SHORE A SCALE

BEAD RADIUS

THIRD ANGLE PROJECTION DATE: JPD
 DRAWN BY: JPD
 CHECKED BY: JPD
 APPROVED BY: [Signature]
 ENG. APPL. [Signature]

MANUFACTURING LOCATION
 SCHLAGE LOCK COMPANY, LLC
 6810 HILLSDALE COURT
 INDIANAPOLIS, IN 46250

TITLE STEELCRAFT 'R' SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SIDELITE FRAME
 DOUBLE DOORS ACCESSORIES
 THRESHOLDS, SPLIT ASTRAGALS
 AND WEATHERSTRIPPING

SIZE: FLAT DWG. NO.: 975W
 SHEET: 16 OF 17
 REV: B

SCALE: NTS AUTOCAD 96 of 170

Date

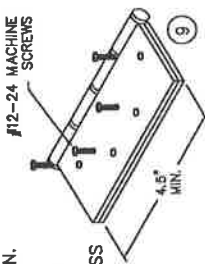
PROFESSIONAL ENGINEER
 GORDON D. THOMAS
 No. 18118
 State of Florida
 3759 Bluffton Court
 Mason, OH 45040
 Florida #46718

GMP-CMARS-16-003001

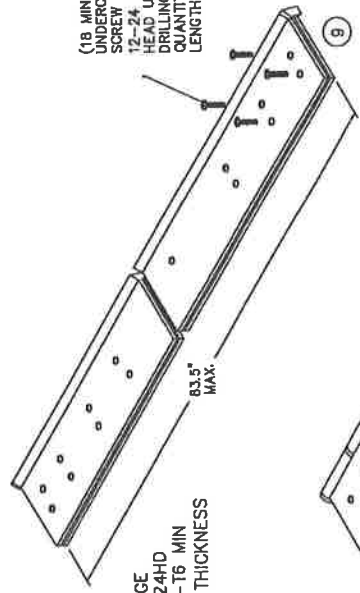
REVISIONS

LTR	DESCRIPTION	DATE	APPROVED
A	APPROVAL DWGS.	03/11/15	

STEEL BUTT HINGE
 4.5" X 4.5" STD. WT. MIN.
 IVES 58B1/3CB1
 STANLEY FBI179/CB1900
 HAGER 1279
 .134" MIN. LEAF THICKNESS
 Fy MIN. = 36ksi

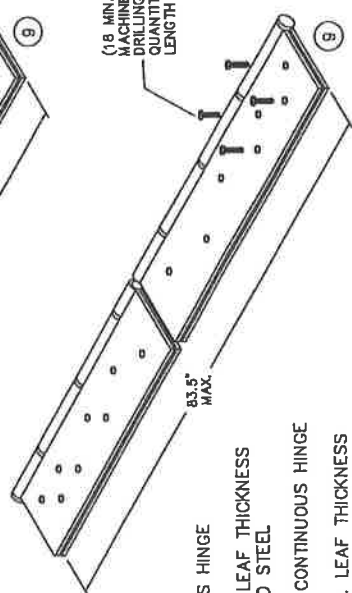


(18 MIN.) 12-24x3/4" FLAT HEAD UNDERCUT SELF DRILLING SCREW DOOR LEAF
 12-24 X 3/4" FLAT HEAD UNDERCUT SELF DRILLING SCREW FRAME LEAF
 QUANTITY VARIES PER HINGE LENGTH

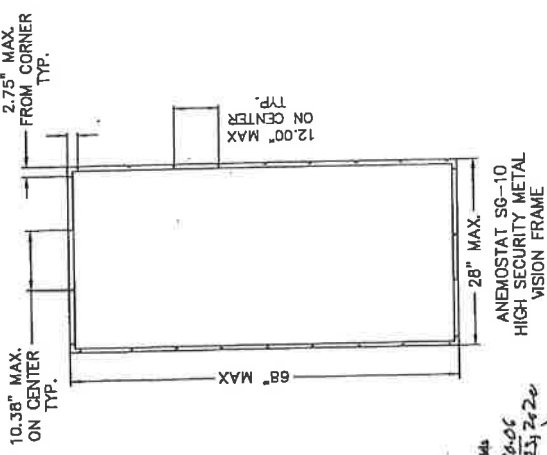


HEAVY DUTY CONTINUOUS HINGE
 IVES 112HD & 224HD
 ALUMINUM 6036-T6 MIN
 .110" MIN. LEAF THICKNESS

(18 MIN.) #10-24 MINIMUM MACHINE SCREW OR SELF DRILLING LEAF HINGE LEAF
 QUANTITY VARIES PER HINGE LENGTH



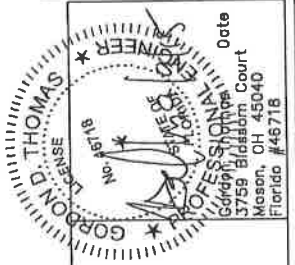
STEEL CONTINUOUS HINGE
 IVES 600
 .075 MIN. (14GA) LEAF THICKNESS
 1012 COLD ROLLED STEEL
 Fy MIN. 45ksi
 STAINLESS STEEL CONTINUOUS HINGE
 IVES 700, 700CS
 .075" (14ga.) MIN. LEAF THICKNESS
 304 STAINLESS STEEL
 Fy MIN. 31ksi



PRODUCT REVIEWED in compliance with the Florida Building Code Acceptance No. 15-0936-05 Expires 03/31/2015
 G. J. ...
 ...
 ...

NOTES:

1. HARDWARE INSTALLATION IS PER MANUFACTURER'S INSTRUCTIONS



BEND RADIUS	
THIRD ANGLE PROJECTION	
DRAWN	DATE
YMP	04/1/15
CHECKED	
APPROVED	
ENG. APP'V.	
SCHLAGE LOCK COMPANY, LLC 6810 HILLSDALE COURT INDIANAPOLIS, IN 46250 TITLE: STEELCRAFT H SERIES SINGLE AND DOUBLE DOORS WITH TRANSOM & SILENTIE FRAME HINGE OPTIONS H-SERIES FG SINGLE AND DOUBLE OPENING FULL GLAZED CONFIGURATION W/SIDE AND TRANSOM LITES/PANEL	
SIZE	FLAT
UPR. NO.	975W
SHEET	17 OF 17
REV	A
SCALE:	NTS AUTOCAD
	87-of-120

CONTINUOUS HINGE NOTES:
 1. QUANTITY OF SCREWS VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
 2. SCREW SPACING VARIES PER HINGE LENGTH, MANUFACTURER AND MODEL NUMBER
 3. INSTALL HINGES PER THE MANUFACTURERS INSTALLATION INSTRUCTIONS



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAl associates, inc.
 (Project Consultant)

RFI No.:	09	Date:	7/31/2017
----------	----	-------	-----------

Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

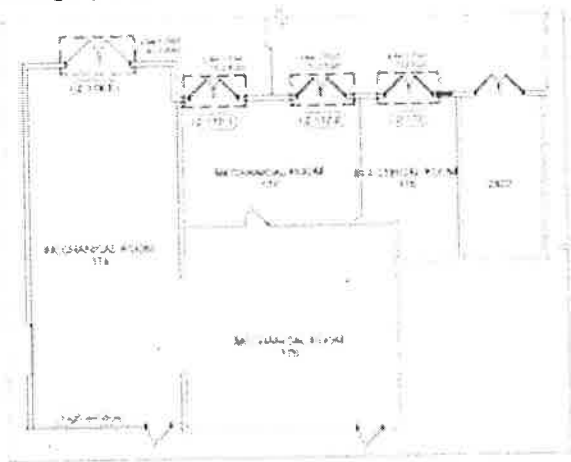
Subject: Pressure Ratings / Door Types Confirmation at Building 2

- Category:**
- Information not shown on Contract Documents
 - Interpretation of Contract Documents
 - Conflict in Contract Document Requirements
 - Coordination

- Reference:**
- Drawing Reference
 - Spec/Project Manual Reference
 - Other:

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	A02-600	1/A02-600
NOA 15-0427.03				

During our scope review meetings, one of our door, frames and hardware bidders indicated that they have not been able to find a door that can comply with the design pressure rating included in the drawings (-81.3 PSF) for door 2.178.1. Refer to door below:



BLDG #2 - FLOOR PLAN DOOR REPLACEMENT



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

NOA 15-0427.03, included as part of the bid documents, indicates a maximum design pressure rating of +/- 60PSF for double outswing louvered doors. This NOA does not seem to comply with any of the pressure ratings referenced in the drawings for Building 2.

DESIGN PRESSURE RATING		IMPACT RATING
	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NEEDED	WHERE WATER AND AIR INFILTRATION REQUIREMENTS ARE NOT NEEDED
POSITIVE	NOT APPROVED	+ 60 PSF
NEGATIVE	NOT APPROVED	- 60 PSF

One of our bidders found a door from Quality Engineered Products that can comply with a pressure rating of up to +/- 70PSF (NOA 15-0422.11 – attached).

Please advise if you know of any other products that can comply with these requirements.

Prompt response to this RFI is appreciated.

Contractor: Pablo Burgos-Zayas
 Retain copy for Project Files

By: (Signature)
 Digitally signed by Pablo Burgos-Zayas
 DN: C=US, E=PBurgosZ@GibaneCo.com,
 O=Gibane Building Company, OU=Jupiter
 Office, CN=Pablo Burgos-Zayas
 Date: 2017.08.02 10:48:09-04'00'

Contractor:
 GBCo

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.

RESPONSE:

THE LOUVERED DOORS WILL REQUIRE SHUTTERS TO MEET THE PRESSURES. SEE ATTACHED NOA FOR SHUTTERS.

2017-08-02 - WRS



MIAMI-DADE COUNTY
 PRODUCT CONTROL SECTION
 11805 SW 26 Street, Room 208
 Miami, Florida 33175-2474
 T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/economy

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
 BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

Quality Engineered Products Co., Inc.
 4506 Quality Lane
 Tampa, FL 33634

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HMF" 16 ga Outswing Full Louvered Commercial Steel Door-Impact

APPROVAL DOCUMENT: Drawing No. QEP005, titled "Full Louvered Steel Door", sheets 1 through 7 of 7, prepared by manufacturer, dated 02/26/16, with Revision 1 dated 02/26/16, signed and sealed by Cody Davis, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

Limitation: 1. Not approved where Air & Water infiltration is needed

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA #14-1015.05 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Jorge M. Plasencia, P.E.



J.P.
 07/19/2016

NOA No. 15-0422.11
 Expiration Date: October 28, 2019
 Approval Date: July 28, 2016
 Page 1

Quality Engineered Products Co, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections
(Submitted under files #12-1115.12/# 09-0812.17)
2. Drawing No. QEP005, titled "Full Louvered Steel Door", sheets 1 through 7 of 7, prepared by manufacturer, dated 02/26/16, with Revision 1 dated 02/26/16, signed and sealed by Cody Davis, P. E.

B. TESTS

1. Test reports on 1) Air Infiltration Test, per FBC TAS 202-94 (Not Performed)
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202.
 - 3) Large Missile Impact Test per FBC, TAS 201-94
 - 4) Cyclic Wind Pressure Loading per FBC, TAS 203-94Along with marked-up drawings and installation diagram of double Outswing full louvered Commercial Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1255-W-R**, w/ revision dated 09/14/04 (original test report dated July 28, 2004), signed and sealed by Ramesh Patel, P. E.)
(Submitted under files #12-1115.12# 09-0812.17/ #04-0823.03)

2. Test reports on 1) Air Infiltration Test, per FBC TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202.
 - 3) Water Resistance Test per FBC TAS 202-94
 - 4) Large Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC and TAS 202-94

Along with marked-up drawings and installation diagram of double Outswing Flush Steel Doors, prepared by Certified Testing Laboratories Inc., Test Report No. **CTLA 1998W**, dated 04/06/10, signed and sealed by Ramesh Patel, P. E.
(Submitted under file # 10-0629.03; For Reference Only)

C. CALCULATIONS


1. Anchor verification calculations, dated 05/17/16, prepared, signed and sealed Cody Davis, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Tensile test report prepared by Certified Testing Laboratories Inc., Test Report No. **CTL 0638K (CTLA1255W)**, tested per ASTM E-A370-97, dated 09/13/04, signed and sealed by Ramesh Patel, P. E.
(Submitted under file #04-0823.03)
2. Notice of Acceptance No. **11-0926.07** issued to Dyplast Products, LLC (former Apache Products Co) for "EPS-Expanded Polystyrene Insulation", expiring on 01/11/2017.


Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-0422.11
Expiration Date: October 28, 2019
Approval Date: July 28, 2016

Quality Engineered Products Co, Inc.


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

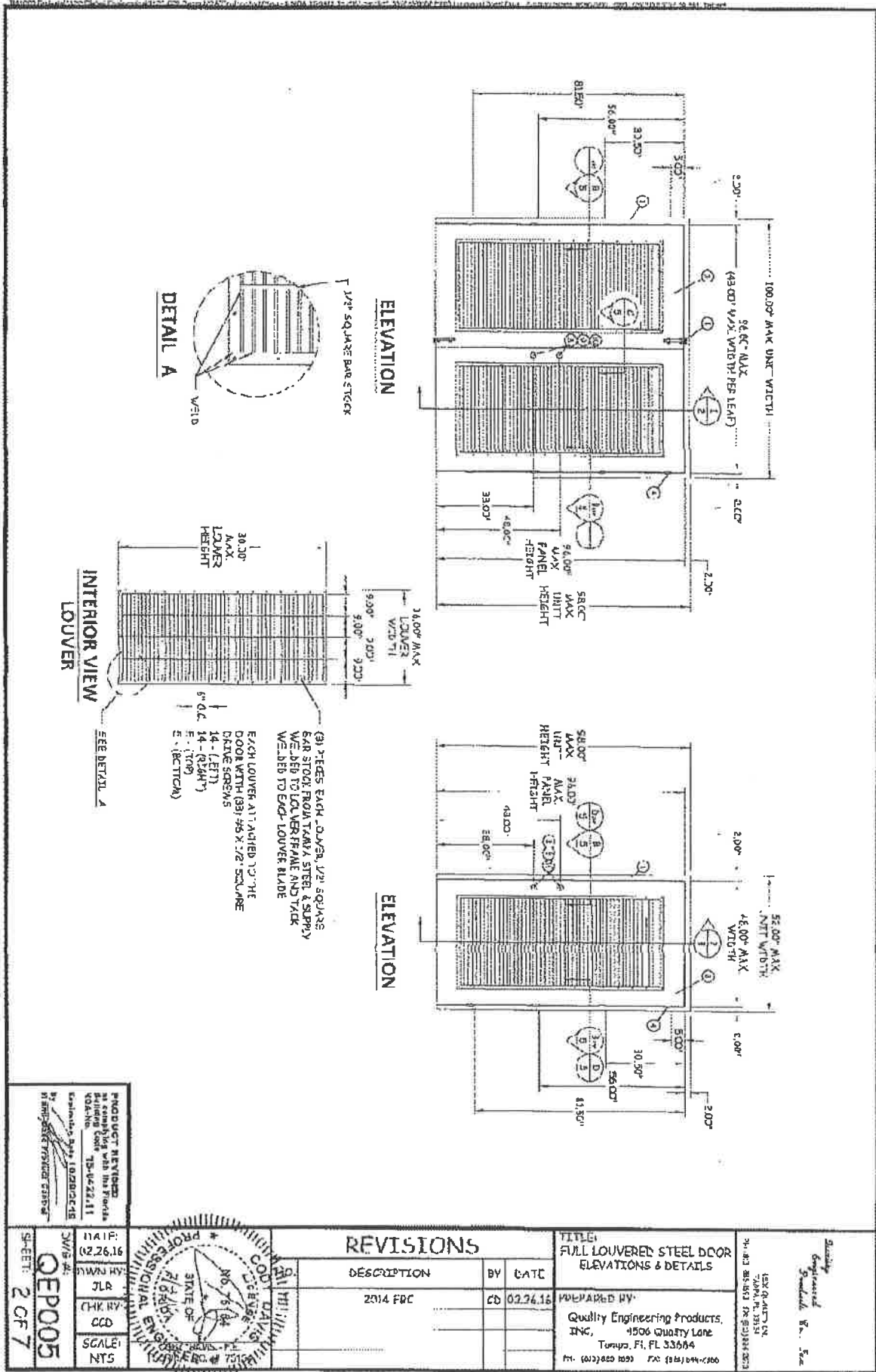
1. Statement letter of conformance, complying with **FBC-2014, 5th edition**, issued, prepared, signed, sealed and dated 05/31/16 by Cody Davis, P. E.
2. Statement letter of no financial interest, issued, prepared, signed, sealed and dated 05/31/16 by Cody Davis, P.E.
3. Statement letter of compliance, as a part of the above referenced test reports.
4. Statement letter dated 05/31/16 of successor engineer adopting as his own, another engineer's work per FAC, Rule Chapter 61G15-27, issued by Master Consulting Engineers, Inc., both signed and sealed by Cody Davis, P. E.

G. OTHER

1. Notice of Acceptance No. **14-1015.05**, issued to Quality Engineering Products Co., Inc. for their Series "HMF" 16 ga Outswing Full Louvered Commercial Steel Door-Impact approved on 11/06/14 and expiring on 10/28/19.

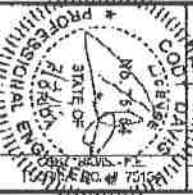


Jorge M. Plasencia, P.E.
Product Control Unit Supervisor
NOA No. 15-0422.11
Expiration Date: October 28, 2019
Approval Date: July 28, 2016



PRODUCT MANUFACTURED BY QUALITY ENGINEERING PRODUCTS, INC. 1506 QUANTITY LANE, TALLAHASSEE, FL 32310-1111. DATE: 02/26/16. DRAWN BY: JLR. CHECK BY: CCD. SCALE: NTS.

DATE: 02/26/16
 DRAWN BY: JLR
 CHECK BY: CCD
 SCALE: NTS



NO.	DESCRIPTION	BY	DATE
1	2014 FRC	CD	02/26/16

REVISIONS

DESCRIPTION

BY

DATE

2014 FRC

CD

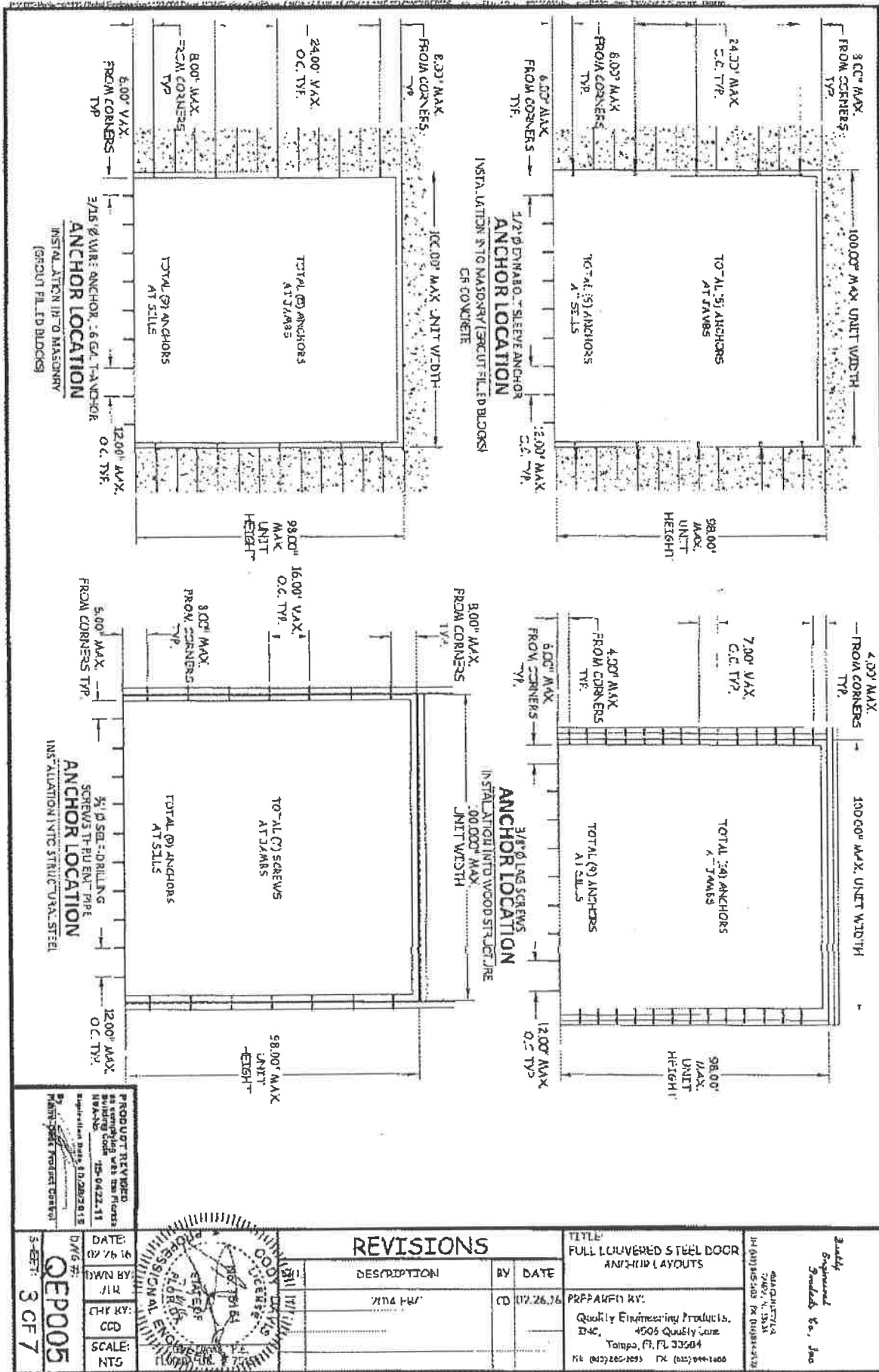
02/26/16

TITLE:
 FULL LOUVERED STEEL DOOR
 ELEVATIONS & DETAILS

PREPARED BY:
 Quality Engineering Products,
 INC., 1506 QUANTITY LANE,
 TALLAHASSEE, FL 32310-1111
 TEL: (904) 833-1111 FAX: (904) 833-1111

DATE:
 02/26/16

SCALE:
 NTS



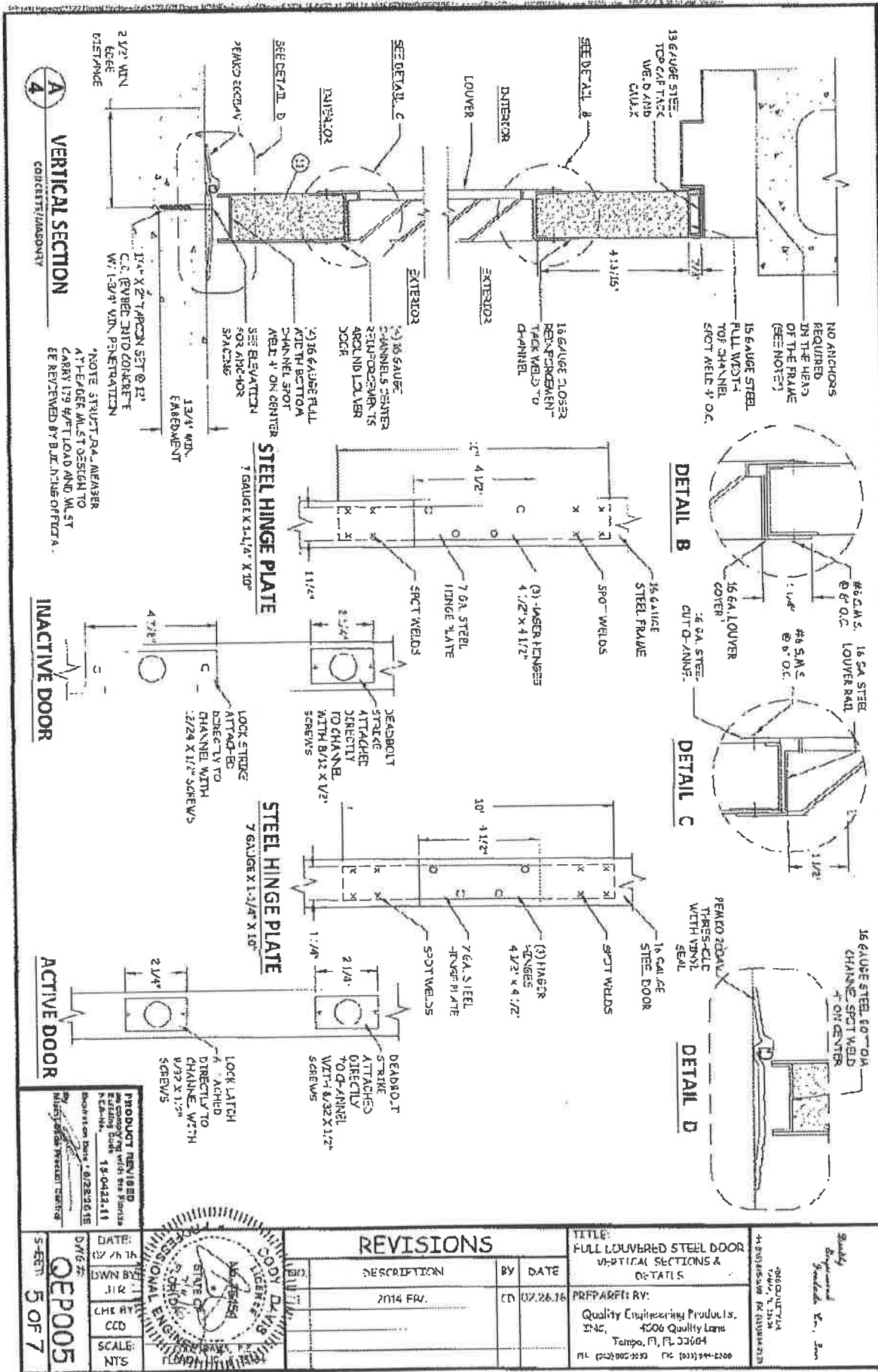
PRODUCT REVIEWED
 ALL DIMENSIONS AND NOTES
 SHOWN ON THIS DRAWING
 ARE TO BE CONSIDERED
 AS THE FINAL DESIGN
 UNLESS OTHERWISE NOTED
 DATE: 05/04/22
 BY: [Signature]
 TITLE: PROJECT MANAGER

DATE: 05/16/22
 DRAWN BY: JLR
 CHECKED BY: GED
 SCALE: NTS
 DWG #: QEP005
 3-BLT: 3 CF 7

NO.	DATE	DESCRIPTION	BY	DATE
1	07/26/16	ISSUED FOR PERMITS	CD	07/26/16

TITLE: FULL LOUVERED STEEL DOOR ANCHOR LAYOUTS
 PREPARED BY: Quality Engineering Products, INC., 4505 Quality Lane, Tampa, FL 33604
 PROJECT NO: 16-003/001

QUANTITY: 2
 ENGINEER: [Signature]
 CHECKED BY: [Signature]



A
VERTICAL SECTION
CORNER/TRANSOM

INACTIVE DOOR

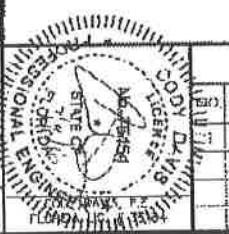
ACTIVE DOOR

DETAIL B

DETAIL C

DETAIL D

PRODUCT REVISED
 The drawing shall comply with the Florida Building Code, 6th Edition, 2013, and all applicable codes and regulations.
 Date of Revision: 07/26/2016
 By: M. J. [Signature]
 Title: PROJECT ENGINEER



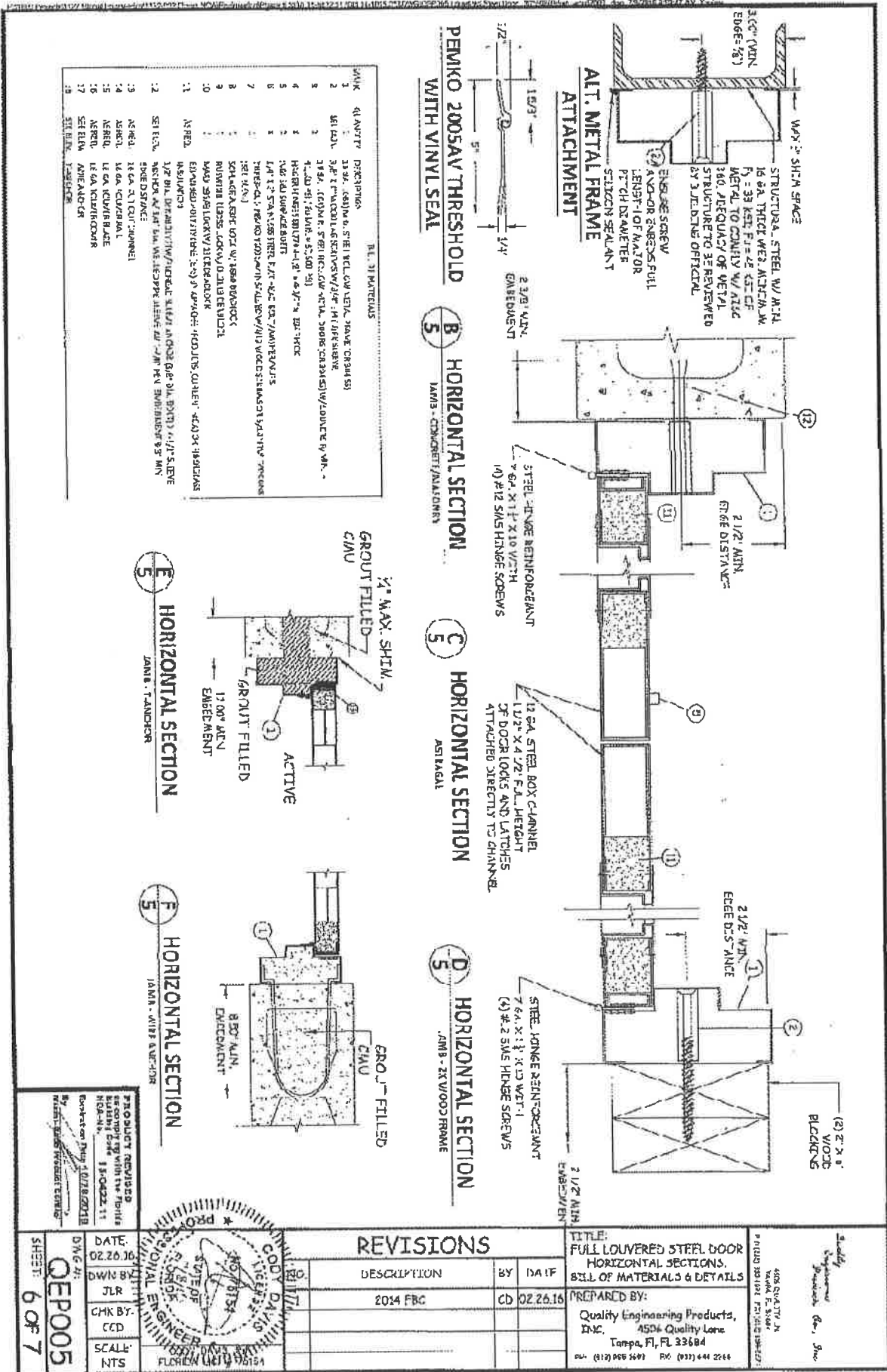
REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2014 FR.	CD	07/26/16

TITLE:
 FULL LOUVERED STEEL DOOR
 VERTICAL SECTIONS &
 DETAILS

PREPARED BY:
 Quality Engineering Products, Inc.
 4506 Quality Lane
 Tampa, FL 33604
 Tel: (813) 944-1101
 Fax: (813) 944-1102

QUALITY ENGINEERING PRODUCTS, INC.
 4506 Quality Lane
 Tampa, FL 33604
 Tel: (813) 944-1101
 Fax: (813) 944-1102



PEMCO 2005AV THRESHOLD WITH VINYL SEAL

B HORIZONTAL SECTION
LAMA - CONCRETE/ALUMINUM

C HORIZONTAL SECTION
ASTAGAL

D HORIZONTAL SECTION
LAMA - 2X4/WOOD FRAME

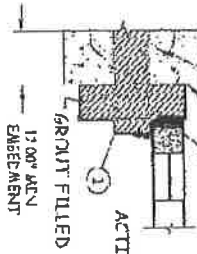
E HORIZONTAL SECTION
LAMA - TANDOR

F HORIZONTAL SECTION
LAMA - OTHER APPLICATION

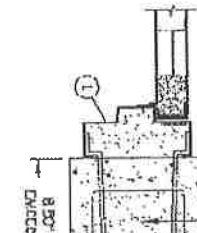
PL. 31 MATERIALS

QTY	QTY	DESCRIPTION
1	1	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
2	2	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
3	3	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
4	4	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
5	5	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
6	6	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
7	7	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
8	8	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
9	9	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
10	10	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
11	11	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
12	12	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
13	13	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
14	14	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
15	15	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
16	16	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
17	17	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING
18	18	1/2" DIA. STEEL W/ 1/4" DIA. HINGE BUSHING

1/2" MAX. SHIM
GROUT FILLED
GROUT
ACTIVE
17 00" MIN
EMBEDMENT



GROUT FILLED
GROUT
EMBEDMENT



REVISIONS

NO.	DESCRIPTION	BY	DATE
1	2014 FBC	CD	02.26.16

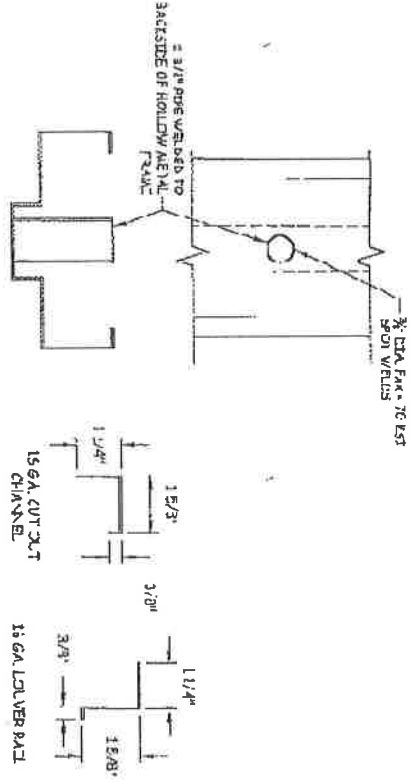
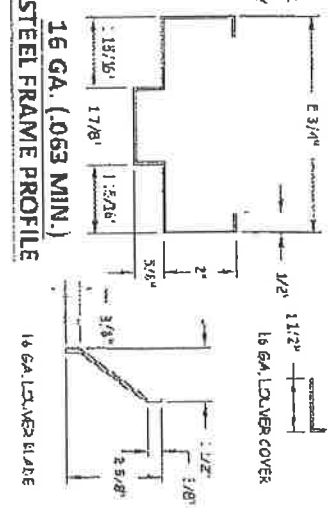
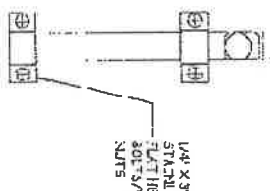
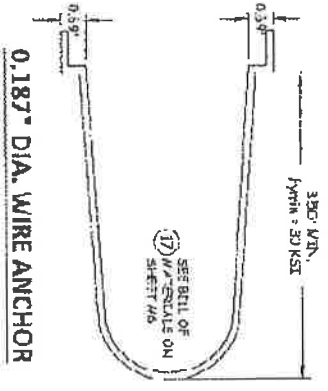
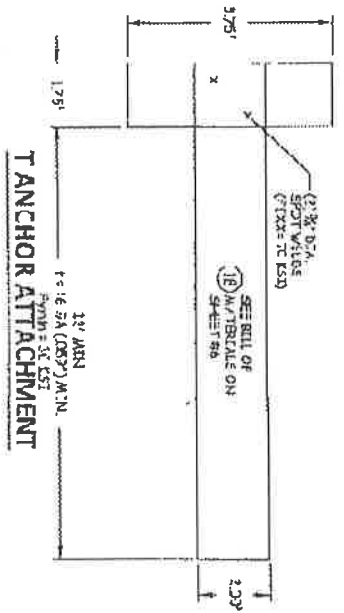
TITLE:
FULL LOUVERED STEEL DOOR HORIZONTAL SECTIONS, BILL OF MATERIALS & DETAILS

PREPARED BY:
Quality Engineering Products, Inc.
4504 Quality Lane
Tampa, FL 33684
PH: (813) 950-5555 FAX: (813) 950-5555

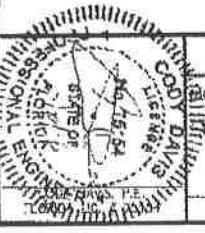
DATE: 02.26.16
BY: JLR
CHK BY: CCD
SCALE: NTS

PROJECT: 16-003/001
SHEET: 6 OF 7

Project: 122 Gabel Building (112-40) Date Added: 02/26/16 15:02:21, 001 16-1216 001274227006 Lowered Steel Door Attachment Detail, Rev. 02/26/16, Rev. 02/26/16, Rev. 02/26/16



PRODUCT REVISIONS
 All complying with the Florida Building Code 15-04-22, 11
 Drawn On Scale 1/8\"/>



REVISIONS

DESCRIPTION	BY	DATE
2014 FBC	CD	02.26.16

TITLE:
 FULL LOWERED STEEL DOOR
 HORIZONTAL SECTIONS,
 BILL OF MATERIALS & DETAILS
 PREPARED BY:
 Quality Engineering Products,
 INC., 4506 Quality Lane,
 Tampa, FL 33604
 Tel: (813) 944-1230 Fax: (813) 944-1230

Quality Engineering Products, Inc.
 4506 Quality Lane
 Tampa, FL 33604
 Tel: (813) 944-1230 Fax: (813) 944-1230

DATE: 02.26.16
 DRAWN BY: JLR
 CHECK BY: CCD
 SCALE: NTS
 SHEET: 7 OF 7
 QEP005



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Florida Storm Panel Supply, LLC
14475 N.W. 26th Avenue
Opa Locka, Florida 33054

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: 0.035" (min.) Galvanized Steel Storm Panels Shutter

APPROVAL DOCUMENT: Drawing # AD12-31, titled "20 Ga. Galvanized Steel Storm Panel-LMI", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., last revision #1 dated May 27, 2015, signed & sealed by Yiping Wang, P.E., on June 02, 2015, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 14-0221.04 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, & E-5 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
07/23/2015

NOA No. 15-0615.07
Expiration Date: 01/04/2019
Approval Date: 07/23/2015

Page 1

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVALS

A. DRAWINGS

1. *Drawing No. 95-498, Florida Storm Panels, Inc., 20 gage Storm Panels, Sheets 1, 2, 3 and 4 of 4, prepared by Knezevich & Associates, Inc., dated 02/26/97, signed and sealed by V.J. Knezevich, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 20 gage storm panels, prepared by Construction Testing Corporation, Report No. CTC-95-032, dated September 26 through 29, 1995, signed and sealed by Christopher G. Tyson, P.E.*
2. *Test report on Large Missile Impact and Cyclic Wind Pressure Test, of 20 Gage Steel Storm Panels, prepared by Construction Testing Corporation, Report No. CTC-96-009, dated February 26 & 28, 1996, signed and sealed by Christopher G. Tyson, P.E.*

C. CALCULATIONS

1. *Storm panel calculations and comparative analysis, Sheet 1 through 24, Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated October 2, 1995.*
2. *Storm panel calculations and comparative analysis, by Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated 06/14/96 and 02/26/97.*

D. MATERIAL CERTIFICATION

1. *Mill Certified Inspection Report, dated 5/26/95, for Hot Dipped Galvanized Steel, ASTM A446 by Productor de Acero Lakibal, C.A., with chemical composition and physical properties.*
2. *Tensile Test Reports from QC Metallurgical, Inc., Job No. 5IM-2162 dated 09/26/95 for galvanized steel, tested per ASTM E8-93, signed and sealed by James W. Roese, P.E.*
3. *Tensile Test Reports from QC Metallurgical, Inc., Job No. 6CM-719 dated 03/25/96 for galvanized steel, tested per ASTM E8-93, signed and sealed by Frank Grate, P.E.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-0105.03

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*


Melny A. Makar, P.E., M.S.

Product Control Unit Supervisor

NOA No. 15-0615.07

Expiration Date: 01/04/2019

Approval Date: 07/23/2015

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. MATERIAL CERTIFICATIONS

1. *None.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #99-0804.01

A. DRAWINGS

1. *Drawing No. 99-097, Florida Storm Panels, Inc., titled "20 Ga. Galvanized Steel Storm Panel", Sheets 1, 2, 3 and 4 of 4, prepared by Knezevich & Associates, Inc., dated 07/19/99, last revision #2 dated 12/23/99, signed and sealed by V.J. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Anchor calculations, sheets 1 through 28, prepared by Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated July 21, 1999.*
2. *Revised anchor calculations, sheets 1 through 8, prepared by Knezevich and Associates, Inc., signed and sealed by V.J. Knezevich, P.E., dated December 29, 1999.*

D. MATERIAL CERTIFICATIONS

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0531.02

A. DRAWINGS

1. *Drawing No. 99-097, titled " 20 Ga. Galvanized Steel Storm Panel ", sheets 1 through 4 of 4, prepared by Knezevich & Associates, Inc., dated July 19, 1999, last revision #3 dated May 22, 2002, signed and sealed by V.J. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

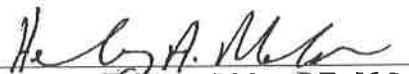
D. MATERIAL CERTIFICATIONS

1. *None.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #02-0826.07

A. DRAWINGS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0615.07
Expiration Date: 01/04/2019
Approval Date: 07/23/2015

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. MATERIAL CERTIFICATIONS

1. *None.*

6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #06-0110.03

A. DRAWINGS

1. *Drawing No. 05-536, titled " 20 Ga. Galvanized Steel Storm Panel ", sheets 1 through 4 of 4, prepared by Thornton-Tomasetti Group, dated January 06, 2006, last revision #0 dated January 06, 2006, signed & sealed by J.W. Knezevich, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *Revised Anchor Calculations and details for 20 Ga. Galvanized steel Storm Panels, dated December 20, 2005, pages 1 through 24 of 24, prepared by Thornton-Tomasetti Group, signed and sealed by J. W. Knezevich, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-0817.02

A. DRAWINGS

1. *None.*

B. TESTS

1. *None.*

C. CALCULATIONS

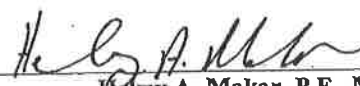
1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Kelly A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0615.07
Expiration Date: 01/04/2019
Approval Date: 07/23/2015

Florida Storm Panel Supply, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 09-0114.03

A. DRAWINGS

1. *None.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 20 gage storm panels, prepared by Construction Testing Corporation, Report No. CTC-08-018, dated December 21, 2008, signed and sealed by Yamil G. Kuri, P.E.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #12-0330.15

A. DRAWINGS

1. *Drawing # AD12-31, titled " 20 Ga. Galvanized Steel Storm Panel-LMI ", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., dated March 30, 2012, signed & sealed by Yiping Wang, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and regulatory Affairs (PERA).*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0615.07
Expiration Date: 01/04/2019
Approval Date: 07/23/2015

Florida Storm Panel Supply, LLC

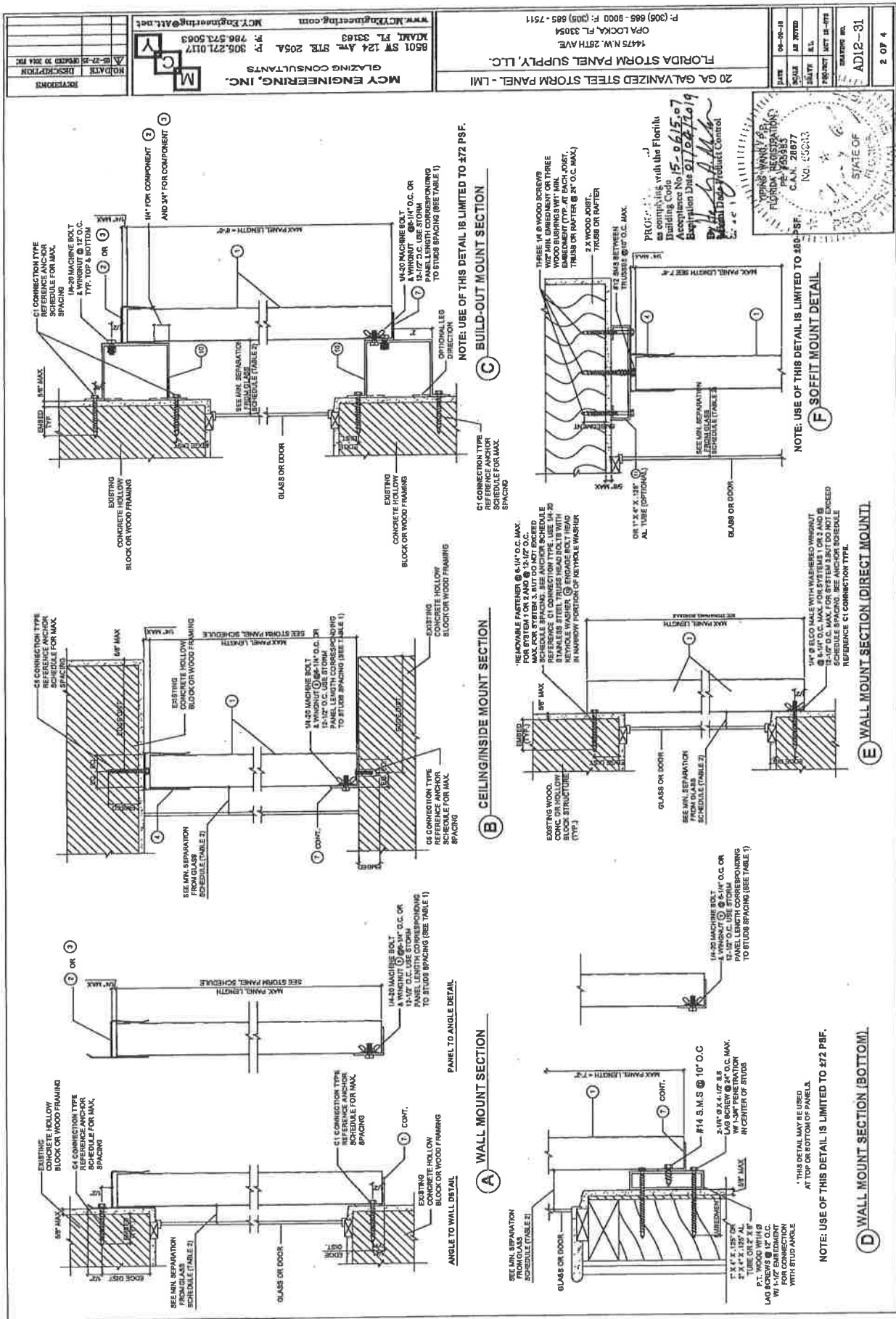
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 10. **EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #14-0221.04**
 - A. **DRAWINGS**
 - 1. *Drawing # AD12-31, titled " 20 Ga. Galvanized Steel Storm Panel-LMI ", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., dated March 30, 2012, signed & sealed by Yiping Wang, P.E., on January 21, 2014.*
 - B. **TESTS**
 - 1. *None.*
 - C. **CALCULATIONS**
 - 1. *None.*
 - D. **QUALITY ASSURANCE**
 - 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
 - E. **MATERIAL CERTIFICATIONS**
 - 1. *None.*

- 11. **NEW EVIDENCE SUBMITTED**
 - A. **DRAWINGS**
 - 1. *Drawing # AD12-31, titled " 20 Ga. Galvanized Steel Storm Panel-LMI ", sheets 1 through 4 of 4, prepared by MCY Engineering, Inc., last revision #1 dated May 27, 2015, signed & sealed by Yiping Wang, P.E., on June 02, 2015.*
 - B. **TESTS**
 - 1. *None.*
 - C. **CALCULATIONS**
 - 1. *None.*
 - D. **QUALITY ASSURANCE**
 - 1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
 - E. **MATERIAL CERTIFICATIONS**
 - 1. *None.*



Henry A. Makar, P.E., M.S.
Product Control Unit Supervisor
NOA No. 15-0615.07
Expiration Date: 01/04/2019
Approval Date: 07/23/2015



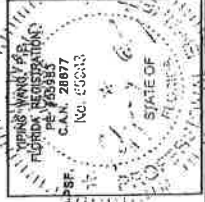
NO.	DATE	DESCRIPTION
1	05-21-15	ISSUED FOR PERMITS
2	05-21-15	ISSUED FOR PERMITS

REVISIONS

MAY ENGINEERING, INC.
 6501 SW 124 Ave. STE. 205A
 MIAMI, FL 33163
 P: 305.571.0117
 F: 305.571.5063
 www.MCYEng.com
 M.C.Y. Engineering, Inc.

20 GA GALVANIZED STEEL STORM PANEL - LMI
 FLORIDA STORM PANEL SUPPLY, LLC.
 14475 N.W. 28TH AVE.
 OPA LOCKA, FL 33054
 P: (305) 885-9000 F: (305) 885-7511

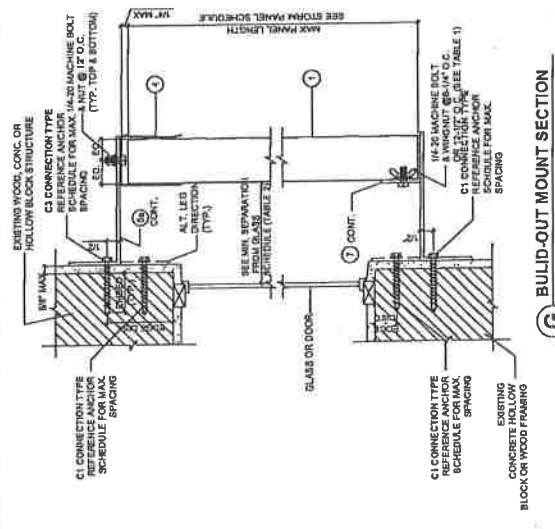
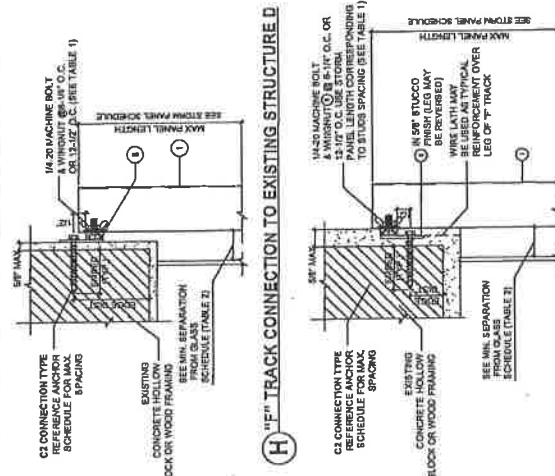
DATE	05-09-15
SCALE	AS SHOWN
DRAWN BY	A.S.
PROJECT	MIET 15-078
DATE	05-21-15
NO.	AD12-31
2 OF 4	



JUN 02 2015

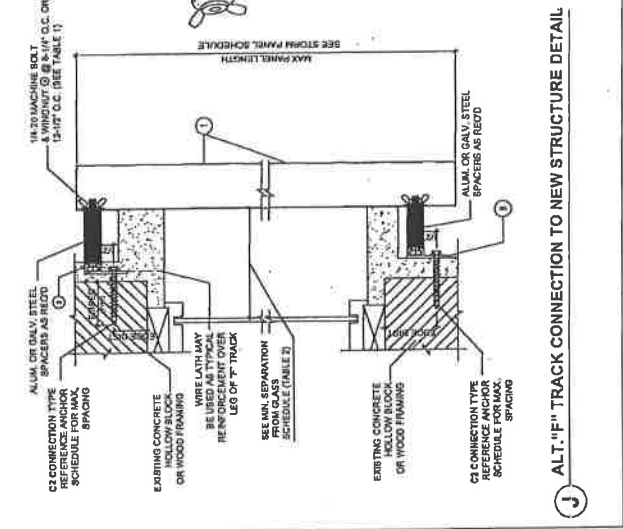
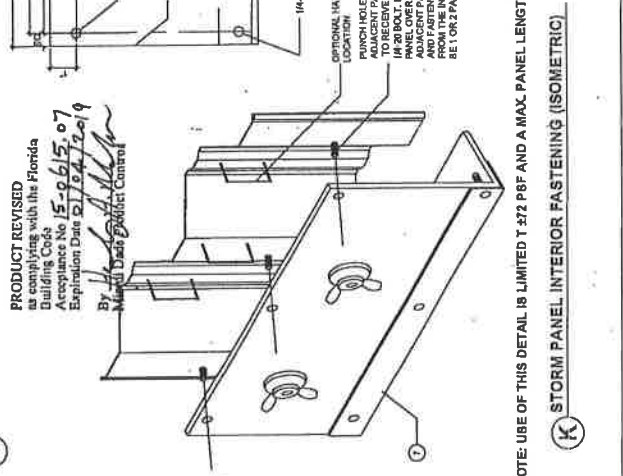
TABLE 1

SYSTEM 1	SYSTEM 2	SYSTEM 3
OVERLAP FASTENERS OR REINFORCING TUBE REQUIRED. TOP MOUNTS SHALL BE "F" OR "H" TRACK OR STUDDED ANGLES WITH MOUNTS @ 5'-10" O.C. OR DIRECT MOUNTS WITH ANCHORS @ 5'-10" O.C.	OVERLAP FASTENERS OR REINFORCING TUBE REQUIRED. TOP & BOTTOM MOUNTS SHALL BE "F" TRACK OR STUDDED ANGLES WITH MOUNTS @ 5'-10" O.C. OR DIRECT MOUNTS WITH ANCHORS @ 5'-10" O.C.	NO OVERLAP FASTENERS OR REINFORCING TUBE REQUIRED. TOP & BOTTOM MOUNTS SHALL BE "F" TRACK OR STUDDED ANGLES WITH MOUNTS @ 5'-10" O.C. OR DIRECT MOUNTS WITH ANCHORS @ 12'-1/2" O.C.
NEGATIVE DESIGN LOAD (W/ P 5 F)		
MAX PANEL LENGTH (FT-IN)	MAX PANEL LENGTH (FT-IN)	MAX PANEL LENGTH (FT-IN)
30-0	11-0	8-8
45-0	11-0	8-8
60-0	10-8	8-8
75-0	10-1	8-8
90-0	9-9	8-8
105-0	8-5	8-1
120-0	7-8	7-2
135-0	6-10	6-6
150-0	5-3	5-10
165-0	5-9	5-5
180-0	5-3	5-0
195-0	4-11	4-7
210-0	4-7	4-3
225-0	4-3	4-0
240-0	3-10	3-9
255-0	3-7	3-5
270-0	3-5	3-3
285-0	3-3	3-1
300-0	3-2	2-11
315-0	3-0	2-8



H "F" TRACK CONNECTION TO EXISTING STRUCTURED

G BUILD-OUT MOUNT SECTION



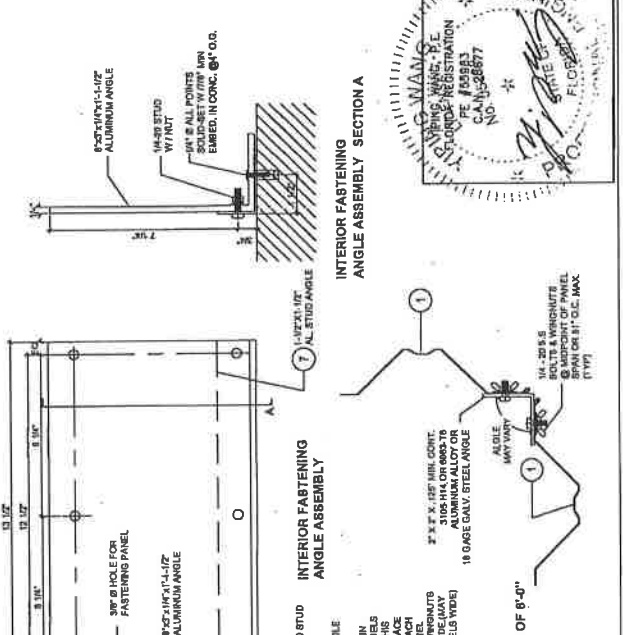
I "F" TRACK CONNECTION TO NEW STRUCTURE DETAIL

J ALT-'F' TRACK CONNECTION TO NEW STRUCTURE DETAIL

PRODUCT REVISED
 In compliance with the Florida
 Building Code
 Acceptance No. 15-0615-07
 Expiration Date 01/04/2019
 By: *[Signature]*
 M. David Deane, Project Control

NOTE: USE OF THIS DETAIL IS LIMITED TO #2 PBF AND A MAX. PANEL LENGTH OF 6'-0"

K STORM PANEL INTERIOR FASTENING (ISOMETRIC)



L INTERIOR FASTENING ANGLE ASSEMBLY

REVISIONS

NO.	DATE	DESCRIPTION
1	01-11-13	ISSUED TO RFP

MCT Engineering, Inc.
 8501 SW 124 Ave. STE. 205A
 MIAMI, FL 33183
 P: 796.573.5063
 WWW.MCTENGINEERING.COM

20 GA. GALVANIZED STEEL STORM PANEL - LM

FLORIDA STORM PANEL SUPPLY, L.C.
 14475 N.W. 26TH AVE.
 OPA LOCKA, FL 33054
 P: (305) 665-9000 F: (305) 665-7511

DATE: 04-08-16
 SCALE: AS SHOWN
 DRAWN: B.A.L.
 PROJECT: WEST 16-070

ISSUING NO.: AD12-31
 8 OF 4



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

RFI No.:	<u>10</u>	Date:	<u>8/16/2017</u>
----------	-----------	-------	------------------

Attn: W. Randy Scott
 Project No: P.001684
 Project Title: Single Point of Entry
 Location No: 1241
 Facility Name: Northeast High School
 Location No: 1241

(One RFI item per form)

Subject: Door 101.1 fire rating, signs material, stucco over door 101.1 and canopy footing formwork confirmation

- | | |
|---|---|
| Category: | Reference: |
| <input checked="" type="checkbox"/> Information not shown on Contract Documents | <input checked="" type="checkbox"/> Drawing Reference |
| <input checked="" type="checkbox"/> Interpretation of Contract Documents | <input checked="" type="checkbox"/> Spec/Project Manual Reference |
| <input type="checkbox"/> Conflict in Contract Document Requirements | <input type="checkbox"/> Other: |
| <input checked="" type="checkbox"/> Coordination | |

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A		

Please confirm the following issues:

1. New door 101.1 – please confirm that new door 101.1 does not need to be fire rated.
2. At the exterior and on top of new door 101.1, stucco will need to be applied to provide a flush finish with the wall as indicated in response to issue #7 on RFI-7. It was discussed in our weekly meeting on 8/9/2017 that the existing ceramic tiles that are located over this new door opening needs to be removed prior to application of stucco. Please confirm.
3. At new footings for the aluminum covered walkway, our trade contractor informed that they will only be able to install three sides of formwork since one of the sides will be located almost under the existing sidewalk. This to avoid any excavation and possible damage to the existing sidewalk. Please confirm it is acceptable to form only three sides of the footing and the other side to pour directly over the soil.
4. We notice that there is no signage material requested in the drawings or signage specification for the two signs located at the exterior near the new Single Point of Entry entrance. Please provide information.

Prompt response to this RFI is appreciated.

Contractor:
 Retain copy for Project Files

Pablo Burgos-Zayas

By: (Signature)
 Digitally signed by Pablo Burgos-Zayas
 DN: C=US, E=PBurgosZ@GilbaneCo.com,
 O=Gilbane Building Company, OU=Jupiter Office,
 CN=Pablo Burgos-Zayas
 Date: 2017.08.16 16:38:06-04'00'

Contractor:
 GBCo



The School Board of Broward County, Florida
Office of Facilities & Construction
1643 North Harrison Parkway, Bldg. H
Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.

RESPONSE:

1. DOOR 101.1 IS NOT FIRE RATED.
2. THE MEANS AND METHOD OF THE STUCCO APPLICATION IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE MEANS AND METHOD FOR THE FORMWORK FOR THE FOOTINGS IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. SEE ATTACHED SPECIFICATION SECTION FOR THE EXTERIOR SIGNAGE.

WRS
2017-08-17

((Specifier leave this line)) SBBC Design & Material Standards, January 01, 2008 Edition)

SECTION 10400 (10 14 00)

IDENTIFYING DEVICES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Work of this Section includes, but is not limited to, the following:
1. Plaque.
 2. School Name Letters.
 3. Exterior Handicapped Signs at Parking Spaces.
 4. Emergency Exit Signs.
 5. Capacity Signs.
 6. Exit Route.
 7. Toilet Room Handicapped Signs.
 8. Exterior and Interior Space Number and Name Signs.
 9. Building Directional Signs.
 10. Safety Signs.

1.2 RELATED SECTIONS

- A. Section 10520-Fire Protection Specialties

1.3 REFERENCES

- A. Florida Building Code (FBC).
- B. Florida Department of Transportation (FDOT)-Manual of Uniform Traffic Control Devices (MUTCD).
- C. U.S. Architectural and Transportation Barriers Compliance Board, "Children Accessibility Requirements".

1.4 SUBMITTALS

- A. Submit Manufacturer's technical data and installation instructions for each type of identifying device required.
1. Recycled Content:
 - (a) Indicate recycled content; indicate percentage of pre-consumer and post-consumer recycled content per unit of product.
 - (b) Indicate relative dollar value of recycled content product to total dollar value of product included in project.
 - (c) If recycled content product is part of an assembly, indicate the percentage of recycled content product in the assembly by weight.
 - (d) If recycled content product is part of an assembly, indicate relative dollar value of recycled content product to total dollar value of assembly.
- B. Submit shop drawings showing sign dimensions, letterform and letter heights.

((Specifier leave this line)) SBBC Design & Material Standards, January 01, 2008 Edition)

- C. Submit 1 full size sample for the following identifying devices showing style, specified color, and method of attachment. If approved, sample shall be incorporated in the Work.
 - 1. Exterior /Interior space number and name signs.
 - 2. School name letter (one).
 - 3. ADA signs.
- D. Submit a comprehensive schedule of all space names and numbers for each building as well as quantities and locations of all other signs specified.
- E. Submit plaque rubbings for approval by the Owner.

1.5 QUALITY ASSURANCE

- A. Comply with the following codes, standards, and specifications:
 - 1. Florida Building Code, Chapter 11.
 - 2. U.S. Architectural and Transportation Barriers Compliance Board, "Children Accessibility Requirements".

1.6 DELIVERY, STORAGE and HANDLING

- A. Package signs in labeled name groups.
- B. Store and protect products from soiling, damage, and degradation from exposure to excessive heat, moisture, and humidity.

1.7 ENVIRONMENTAL REQUIREMENTS

- A. Do not install signs when ambient temperature is below 70 degrees F. Maintain minimum temperature during and after installation of signs.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturer must have not less than 5 years experience in the fabrication of types signs as specified herein. Manufacturers must comply with the specifications listed below.
- B. Substitutions:
 - 1. Will be considered by the Project Consultant and Owner when submitted per requirements of Division-0, Division-1, and Section 01630-Product Substitution Procedures.

2.2 MATERIALS

- A. All identifying device products are to contain recycled content.

2.3 SIGN STANDARDS

- A. Provide signs that comply with the following:
 - 1. Tactile characters/symbols shall be raised the required 1/32 inch from sign face. Glue-on letters will not be accepted.
 - 2. All text shall be accompanied by Grade 2 Braille.

((Specifier leave this line)) SBBC Design & Material Standards, January 01, 2008 Edition)

3. All letters, numbers and symbols shall contrast with their background, white characters on a dark, silver gray, background. Characters and background shall have a non-glare finish.
 4. Radius corners 3/8 inch.
- B. Plaque: Mfr: New Hermes Incorporated; Product: Exterior GravoTac, XT Polymer: #211
1. Thickness: 1/8 inch substrate.
 2. Color: Silver Grey 269-707 with #010 1/32 inch thick color white 200-505, with adhesive backing laminated to Silver Gray substrate.
 3. Material: Non-static, fire-retardant and self-extinguishing and impervious to most acids, alkalies, alcohol, solvents, abrasives and boiling water.
- C. Signs are to be rotary engraved. The sign fabricator is to follow all material specification of the material manufacturer.
- D. Letter font shall be Condensed Helvetica upper case.
- E. Size of letters and numbers shall be as follows:
1. Space Numbers: 3/4 inch minimum.
 2. Space Name: 5/8 inch minimum.
 3. Symbol Size: 3 inch minimum
 4. Building Name and Number: 1 inch minimum.
- F. Standard Grade 2 Braille shall be below copy.
- G. Signage Installation Heights: 60 inches from floor to centerline of sign. Locate on the wall adjacent to the latch side of the door.
- H. Mounting: Provide construction adhesive behind sign and 4 stainless steel tamper-proof screws per skin; provide butterfly anchors at gypsum drywall; provide lead shields in masonry.
- I. Caulk: Seal perimeter of sign to wall with Clear silicone sealant where sign is not completely flush with wall.

2.4 CAST ALUMINUM PLAQUE

- A. Provide cast aluminum plaque as manufactured by Andco Industries Corporation, Art in Bronze, or equivalent as follows:
1. Material: High-grade aluminum ingots, alloy F-214.
 2. Border Style: No. 2 double lines.
 3. Letter Style: Helvetica satin finish.
 4. Background: Pebble charcoal finish.
 5. Mounting: Type concealed anchors.
 6. Size: In accordance with standard detail.
 7. Caulk: Seal perimeter of plaque to wall with thin neat bead of Clear silicone sealant.

2.5 SCHOOL NAME LETTERS

- A. Provide letters meeting the following requirements:
1. Type: Metropolitan 1000 Letter Style.

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2. Color: Dark Bronze "Durepox" (ten year warranty). Other finishes may be submitted for approval in accordance with Section 01630, Products and substitutions.
3. Size and Number:
 - (a) 18 inches high x 40 letters.
 - (b) 10-1/2 inches average width.
 - (c) 2-1/8 inches strike width.
 - (d) 3-3/4 inches depth.
4. Anchors: Stainless steel drilled in place concealed anchors minimum 2 anchors per letter.
5. Material: Welded aluminum back channel fabricated non-illuminated letters.
6. Manufacturer: Andco Industries Corporation or equivalent.
7. Caulk: Seal perimeter of each letter to wall with thin neat bead of Clear silicone sealant.

2.6 EXTERIOR HANDICAPPED SIGNS AT PARKING AREAS

- A. Provide signage for each handicapped parking space per Florida Building Code and Florida Department of Transportation requirements.

2.7 EMERGENCY EXIT SIGNS

- A. Provide signs in accordance with requirements of Article 2.2 above, with red background, Exterior Gravotac 1/8 inch core Red #248-707, and white raised lettering reading. At secondary means of egress/emergency egress openings: "EMERGENCY EGRESS – KEEP AREA CLEAR" and "EMERGENCY ESCAPE". At emergency rescue openings: "EMERGENCY RESUCE – KEEP AREA CLEAR". Braille lettering is not required. Sign dimensions: 1-1/2 inches high by width required for copy. Radius corners 3/8 inch locate next to all emergency egress windows, doors or other openings.
- B. Mounting shall be with Construction adhesive and 4 stainless steel non-removable head screws using butterfly anchors at drywall and lead using shields at masonry. Mount at locations as directed by Project Consultant in the field.
- C. Caulk: Seal perimeter of signs to wall with thin neat bead of clear silicone sealant where sign is not flush to wall.

2.8 CAPACITY SIGNS

- A. Provide maximum capacity sign in a frame, provide one at main entrance door in each instructional space and each assembly space with a capacity of 50 or more persons.
- B. Provide signs minimum of 1-1/2 inches high by length required, reading "MAXIMUM CAPACITY". After or below "maximum capacity" provide number of occupants allowed.
- C. Fabricated signs in accordance with requirements specified in Article 2.2 above, with Silver Gray core and White lettering. Braille lettering is not required.
- D. Mounting shall be with construction adhesive and 4 stainless steel non-removable head screws using butterfly anchors at drywall and lead shields where mounted on masonry surfaces.

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- E. Caulk: Seal perimeter of signs to wall with thin neat bead of clear silicone sealant where sign is not flush to wall.

2.9 EXIT ROUTE SIGNS

- A. In rooms with 6 or more students: Provide exit route sign in a frame, provide one in every occupied space at main exit doors, consisting of 10 inch high by 12 inch wide, 3/4 inch by 3/4 inch black anodic architectural aluminum channel frame with metal clips reinforced mitered corners.
- B. Frames shall have 1/8-inch clear matte plexiglass face and 1/8-inch tempered hardboard back with 4 tamperproof screws fastened through hardboard back to wall. Install the card message between face and back.

2.10 TOILET ROOM HANDICAPPED SIGNS

- A. Provide one sign depicting International Symbol of Accessibility (wheelchair) at each toilet room equipped with facilities for the handicapped. Include a male or female pictogram as well as Name. Room number and Braille lettering is required. Size shall be 8 inch x 8 inch.
- B. Color shall be white on a blue background.
- C. Fabricated signs in accordance with requirements specified in Article 2.2 above.
- D. Mounting signs in accordance with requirements specified in Article 2.2.

2.11 EXTERIOR AND INTERIOR SPACE NAME AND NUMBER SIGNS

- A. Provide one sign at each door leading into each space.
 - 1. Size: 6-inch x 6-inch at all classrooms and laboratories. Exterior signs and signs at all other spaces to also be 6 inch x 6 inch.
- B. Fabricate signs in accordance with requirements specified in Article 2.2 above.
- C. Mounting: Signs shall be installed on the wall adjacent to the latch side of the door. If there is no space on the latch side of the door, including double leaf doors, signs shall be placed on the nearest adjacent wall.
 - 1. Mounting location shall be such that a person may approach within three inches of signage without encountering protruding objects or standing within the swing of a door.
 - 2. Mount signs in accordance with requirements specified in Article 2.2 above.

2.12 BUILDING DIRECTIONAL SIGNS

- A. Provide Directional Signs to Administrative Office. Copy to Read: "ALL VISITORS TO REPORT TO ADMINISTRATION". Provide arrow directional indicator to compliment copy. Provide 4 signs with arrow in each direction; 8 signs total.
- B. Size: Comply with requirements for Exterior Signs. Braille lettering is not required.
- C. Fabricated and install signs in accordance with requirements specified in Article 2.2 above.

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2.13 SAFETY SIGNS

- A. Provide at all mechanical and electrical rooms a sign to read as follows: "STORAGE NOT PERMITTED".
- B. Fabricated signs in accordance with requirements specified in Article 2.2 and 2.6 above, with red background and white raised letters, 1-1/2 inches high by width needed for copy. Radius corners 3/8 inch.
- C. Mount on wall beside doors in accordance with requirements specified in Article 2.2 above.
- D. Provide signs with copy as follows:
 - 1. "FIRE EXTINGUISHER INSIDE" at each main door of a room containing a fire extinguisher.
 - 2. "FIRE ALARM PULL STATION INSIDE" at each main door of a room containing a pull station.
 - 3. "ELEVATOR EMERGENCY" adjacent to exterior alarm bell.
 - 4. "STORAGE NOT PERMITTED" at mechanical, electrical, and kiln rooms.
 - 5. "IN CASE OF FIRE DO NOT USE ELEVATOR. USE STAIRWAYS" at elevator hall call stations. Refer to elevator specifications in Division-14
 - 6. "NO SMOKING" as indicated on Drawings.
- E. Signs not required when sufficient Pull Stations and Extinguishers are provided in the corridors.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that surfaces are ready to receive work.
- B. Verify location, placement and alignment of signage prior to installation.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's printed instructions.
- B. Install signs after receiving surfaces are finished in locations as indicated or directed.
- C. Install sign on receiving surface plumb and level.
- D. Clean and polish each sign following installation.

END OF SECTION



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)

To: ACAI associates, inc.
 (Project Consultant)

Attn: W. Randy Scott

Project No: P.001684

Project Title: Single Point of Entry

Location No: 1241

Facility Name: Northeast High School

Location No: 1241

RFI No.: <u>11 REV</u> Date: <u>8/17/2017</u>

(One RFI item per form)

Subject: Door 101.1 NOA Clarification

- | | |
|---|--|
| <p>Category:</p> <p><input type="checkbox"/> Information not shown on Contract Documents</p> <p><input type="checkbox"/> Interpretation of Contract Documents</p> <p><input checked="" type="checkbox"/> Conflict in Contract Document Requirements</p> <p><input type="checkbox"/> Coordination</p> | <p>Reference:</p> <p><input type="checkbox"/> Drawing Reference</p> <p><input type="checkbox"/> Spec/Project Manual Reference</p> <p><input checked="" type="checkbox"/> Other:</p> |
|---|--|

Spec No.	Section Title	Paragraph Reference	Drawing Sheet No.	Detail Reference
N/A	N/A	N/A	N/A	RFI-08 Response

Our trade contractors have not been able to find an NOA for a single door with transom that can comply with the pressure requirements in the contract drawings for door 101.1. Please notice that the NOA provided as a response to RFI-08 (NOA 15-0930.06) only complies with +/-60PSF and door 101.1 has a requirement of +62PSF/-67.2PSF in the drawings.

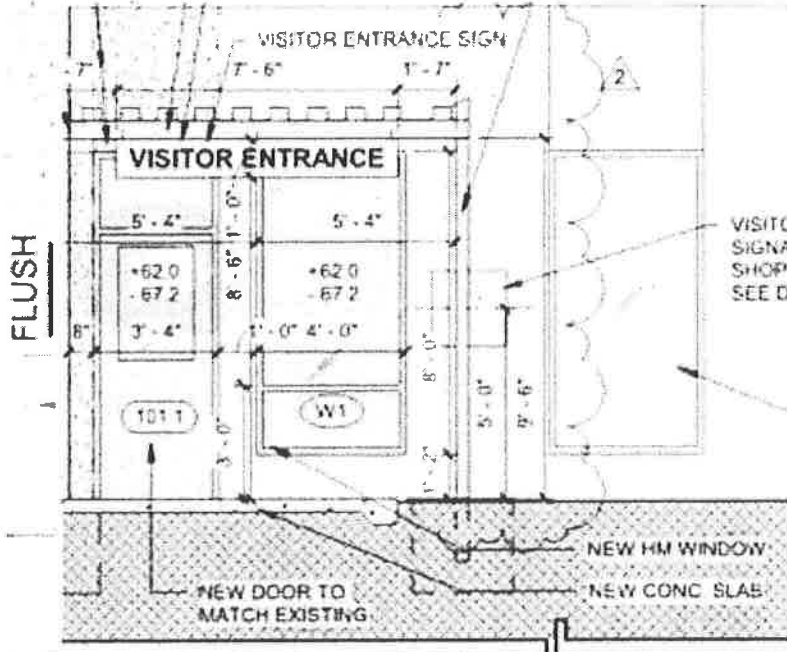
One of our bidders found a door from Curries that can hold the pressures but it does not have an NOA. Refer attached to door performance information for your reference and review. Please confirm if this is acceptable or provide another solution for this door.



The School Board of Broward County, Florida
 Office of Facilities & Construction
 1643 North Harrison Parkway, Bldg. H
 Sunrise, FL 33323

(754) 321-1500

Document 01310a (00 63 13)-Contractor's Request for Information (RFI)



DESIGN PRESSURE RATING			IMPACT RATING
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED	LARGE AND SMALL MISSILE IMPACT
POSITIVE	NOT APPROVED	+ 60 PSF	
NEGATIVE	NOT APPROVED	- 60 PSF	

Prompt response to this RFI is appreciated.

By: (Signature)

Digitally signed by Pablo Burgos-Zayas
 DN: C=US, E=PBurgosZ@GilbaneCo.com, O=Gilbane Building Company, OU=Jupiter Office, CN=Pablo Burgos-Zayas
 Date: 2017.08.21 08:45:50-04'00'

Pablo Burgos-Zayas

Contractor:
 GBCo

Contractor:
 Retain copy for Project Files

Replies to RFI's will be made by the Project Consultant on Document 01250f-Project Consultant Supplemental Instructions, for those requests that are not directly or obviously inferable from the Contract Documents.



The School Board of Broward County, Florida
Office of Facilities & Construction
1643 North Harrison Parkway, Bldg. H
Sunrise, FL 33323

(754) 321-1500

**Document 01310a (00 63 13)-Contractor's Request for
Information (RFI)**

RESPONSE:

Metal Storm Shutters to be provided for
door 101.1.

See attached NOA.

2017-08-23

WRS



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

NOTICE OF ACCEPTANCE (NOA)

www.miamidadegov/economy

Shutter Tech, Inc.
7485 West 2nd Court
Hialeah, Florida 33014

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Maximum Impact 0.031" (min.) Steel Storm Panels Shutter

APPROVAL DOCUMENT: Drawing No. 98001, titled "Maximum Impact .031 Steel Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated September 29, 2015, signed and sealed by Robert S. Monsour, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number & expiration date by Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA renews NOA #15-0714.23 and consists of this page 1, evidence submitted pages E-1, E-2, E-3, E-4, E-5 & E-6 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
02/16/2017

NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017
Page 1

Shutter Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #98-0304.03

A. DRAWINGS:

1. *Drawing No. 98001, titled "24 ga. maximum impact storm panel", prepared by Ramms Engineering, Inc., dated January 10, 1998, last revised on August 14, 1998, sheets 1 through 7 of 7, signed and sealed by Robert S. Monsour, P.E.*

B. TESTS:

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of a 24 ga. steel storm panels, prepared by Construction Testing Corporation, Report No. 98-003, dated 02/27/98, signed and sealed by Christopher G. Tyson, P.E.*
2. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of aluminum storm panels, prepared by Construction Testing Corporation, Report No. 98-005, dated 05/21/98, signed and sealed by Christopher G. Tyson, P.E.*

C. CALCULATIONS:

1. *Comparative Analysis, dated February 18, 1998, pages 1 through 4, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E.*
2. *Revised calculations for Comparative Analysis and Anchor Spacing Analysis, dated June 4, 1998, pages 1 through 49, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E.*
3. *Revised calculations for Anchor Spacing Analysis, dated August 3, 1998, pages 1 through 35, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E.*
4. *Revised calculations for Anchor Spacing Analysis, dated September 1, 1998, pages 1 through 94, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E.*

D. MATERIAL CERTIFICATION:

1. *Mill Certified Inspection Report dated December 10, 1997, prepared by Kieh Co., for steel panel.*
2. *Certified Tensile Test Report by Certified Testing Laboratories, Report No. CTL-076D, dated 02/04/98, signed and sealed by Ramesh Patel, P.E.*


Helmy A. Makar, P.E., M.S.

Product Control Section Supervisor
NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017

Shutter Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #00-1207.03

A. DRAWINGS:

1. *Drawing No. 98001, titled "24 ga. maximum impact storm panel", prepared by Ramms Engineering, Inc., dated January 10, 1998, last revised on December 15, 2000, sheets 1 and 5 of 7, August 14, 1998, sheets 2, 3, 6, and 7 of 7, and on December 4, 2000, sheet 4 of 7, all signed and sealed by Robert S. Monsour, P.E. on December 22, 2000.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *None.*

D. MATERIAL CERTIFICATION:

1. *None.*

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #01-0205.01

A. DRAWINGS:

1. *Drawing No. 98001, titled "24 ga. maximum impact storm panel", prepared by Ramms Engineering, Inc., dated January 10, 1998, last revised on January 17, 2001, signed and sealed by Robert S. Monsour, P.E. on January 29, 2001.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *None.*


D. MATERIAL CERTIFICATION:

1. *None.*

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 01-1224.07

A. DRAWINGS

1. *Drawing No. 98001, titled "Maximum Impact Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated September 09, 2002 signed and sealed by Robert S. Monsour, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017

Shutter Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

B. TESTS

1. *Test reports on Large Missile Impact Test per SFBC, PA 201-94 along with installation diagram of Steel Storm Panel Shutter, prepared by American Test Lab of South Florida, Test Report No. 0 502.02-02, dated May 09, 2002, signed and sealed by William R. Mehner, P.E.*
2. *Addendum to Test reports on Large Missile Impact Test per SFBC, PA 201-94 of Steel Storm Panel Shutter, prepared by American Test Lab of South Florida, Test Report No. 0 502.02-02, dated July 09, 2002, signed and sealed by William R. Mehner, P.E.*

C. CALCULATIONS

1. *Comparative analysis, prepared by prepared by Ramms Engineering, Inc., dated January 14, 2002, signed and sealed by Robert S. Monsour, P.E.*

D. MATERIAL CERTIFICATIONS

1. *None.*

5. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0110.04

A. DRAWINGS

1. *Drawing No. 98001, titled " Maximum Impact Storm Panel ", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated January 06, 2006, signed and sealed by Robert S. Monsour, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

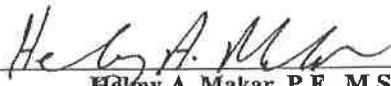
1. *Revised calculations for Anchor Spacing Analysis, dated January 06, 2006, 88 pages, prepared by Ramms Engineering, Inc., signed and sealed by Robert S. Monsour, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

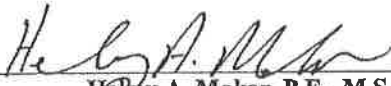


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017

Shutter Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 6. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #11-0304.01**
- A. DRAWINGS**
1. *Drawing No. 98001, titled " Maximum Impact Storm Panel ", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated January 06, 2006, signed and sealed by Robert S. Monsour, P.E.*
- B. TESTS**
1. *None. One year renewal to give manufacturer time to submit a verification test report.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Building and Neighborhood Compliance Department (BNC).*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- F. OTHERS**
1. *Conformance letter from Ramms Engineering, Inc., dated March 24, 2011, certifying compliance with the Florida Building Code, 2007 Edition, signed and sealed by Robert S. Monsour, P.E.*
- 7. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 12-0320.26**
- A. DRAWINGS**
1. *Drawing No. 98001, titled " Maximum Impact Storm Panel ", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated January 06, 2006, signed and sealed by Robert S. Monsour, P.E.*
- B. TESTS**
1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of a 24 ga. steel storm panels, prepared by Blackwater Testing, Inc., Report No. AG-11-001, dated 03/12/12, signed and sealed by yamil G. Kuri, P.E.*


Heby A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017

Shutter Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).*

E. MATERIAL CERTIFICATIONS

1. *Certified report of Chemical Analysis and mechanical tests by The techs.*

F. OTHERS

1. *Conformance letter from Ramms Engineering, Inc., dated March 20, 2012, certifying compliance with the Florida Building Code, 2010 Edition, singed and sealed by Robert S. Monsour, P.E.*

8. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 14-0127.02

A. DRAWINGS

1. *Drawing No. 98001, titled "Maximum Impact .031 Steel Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated January 16, 2014, signed and sealed by Robert S. Monsour, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE


1. *By Miami-Dade County Department of Regulatory and Economic Resorces.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Asset Purchase Agreement.*

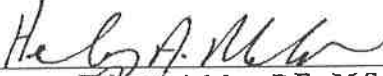


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017

Shutter Tech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 9. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 15-0714.23**
- A. DRAWINGS**
1. *Drawing No. 98001, titled "Maximum Impact .031 Steel Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated September 29, 2015, signed and sealed by Robert S. Monsour, P.E.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*
- E. MATERIAL CERTIFICATIONS**
1. *None.*
- F. OTHERS**
1. *FBC, 2014 Edition compliance letter prepared by Ramms Engineering, Inc., dated June 26, 2015, signed & sealed by Robert Monsour, P.E.*
- 10. NEW EVIDENCE SUBMITTED**
- A. DRAWINGS**
1. *None.*
- B. TESTS**
1. *None.*
- C. CALCULATIONS**
1. *None.*
- D. QUALITY ASSURANCE**
1. *By Miami-Dade County Department of Regulatory and Economic Resources (RER).*
- E. MATERIAL CERTIFICATIONS**
1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 16-1222.07
Expiration Date: 03/22/2022
Approval Date: 02/16/2017

**249A.031
(M.V.H.Z.)**

COMPLIES WITH:
FLORIDA BUILDING CODE, FIFTH EDITION (2014) (M.V.H.Z.)
TESTED TO TAS201, TAS202 AND TAS200

DESIGN CRITERIA:

- WIND LOADS TO BE CALCULATED AS PER ASCE 7-10
- NO INCREASE IN ALLOWABLE STRESS WAS USED IN THE DESIGN OF THIS PRODUCT
- GENERAL NOTES:**
- ALL ALUMINUM EXTRUSIONS TO BE ALLOY 6063-T6 OR EQUAL

MAXIMUM IMPACT STORM PANEL

STORM PANELS SHALL BE:
24 GAUGE STEEL, ASTM A661 60 GRADE E MIN. F_y = 90 K.S.I. MINIMUM VALUE
WITH .031 MINIMUM THICKNESS
HOT DIP COATED WITH A NOMINAL MOUTH OF 12 1/2"

THE STORM PANEL SAUHTER MAY BE INSTALLED VERTICALLY OR HORIZONTALLY,
IN ACCORDANCE TO THE DETAILED SPECIFICATIONS HEREIN.

PANELS MAY BE NOTCHED OR WHERED TO ACCOMMODATE AN OBSTRUCTION
PANELS MAY HAVE A RIPPED SURE GRIP OR A HEADED EDGE

ANCHORAGE OF THE SHUTTER SYSTEM TO CONCRETE OR MASONRY SHALL CONSIST OF
THE FOLLOWING OR EQUAL WITH MINIMUM ULTIMATE LOAD VALUES SHOWN

- 1/4" DIA. RAWL LDK/BOLT ANCHOR (SHEARED DRIVE ANCHOR)
- MIN. TENSILE 1190 - MIN. SHEAR 1320 - 1 1/8" MIN. EMBED. IN CONCRETE
- 1/4-20 RAWL CALK-IN ANCHOR (SHEAR SCREW ANCHOR) WITH 1/4-20 BOLTS
- MIN. TENSILE 1200 - MIN. SHEAR 1340 - 7/8" MIN. EMBED. IN CONCRETE
- 1/4-20 RAWL CALK-IN ANCHOR (SHEAR SCREW ANCHOR) WITH 1/4-20 BOLTS
- MIN. TENSILE 1870 - MIN. SHEAR 1340 - 7/8" MIN. EMBED. IN CONCRETE
- 1/4" PERIMA-SEAL ANCHOR BY RAWL (MASONRY SCREWS VARIOUS HEAD TYPES)
- MIN. TENSILE 1680 - MIN. SHEAR 1340 - 1 1/4" MIN. EMBED. IN MASONRY
- 1/4" ZAMAC HANLIN BY RAWL (ZAMAC HAMMER DRIVES)
- MIN. TENSILE 1880 - MIN. SHEAR 1270 - 1 1/4" MIN. EMBED. IN CONCRETE
- 1/4" ZAMAC HANLIN BY RAWL (ZAMAC HAMMER DRIVES)
- MIN. TENSILE 860 - MIN. SHEAR 1400 - 1 3/8" MIN. EMBED. IN CONCRETE
- MIN. TENSILE 730 - MIN. SHEAR 1320 - 1 1/4" MIN. EMBED. IN MASONRY

ANCHORAGE TO WOOD CONSTRUCTION SHALL BE 1/4" STEEL LAGS OR LARGER
WITH 1" MIN. HORIZONTAL PENETRATION, 1/4-20 BRASS WOOD BUSHINGS OR
1/4" EICO PANEL WHERS OR MASONRY SCREW WITH 1 7/8" MIN. THREAD PENETRATION.

REFER TO SHEETS 4.6 & 7 FOR ANCHOR SPACING AND MINIMUM EMBEDMENTS

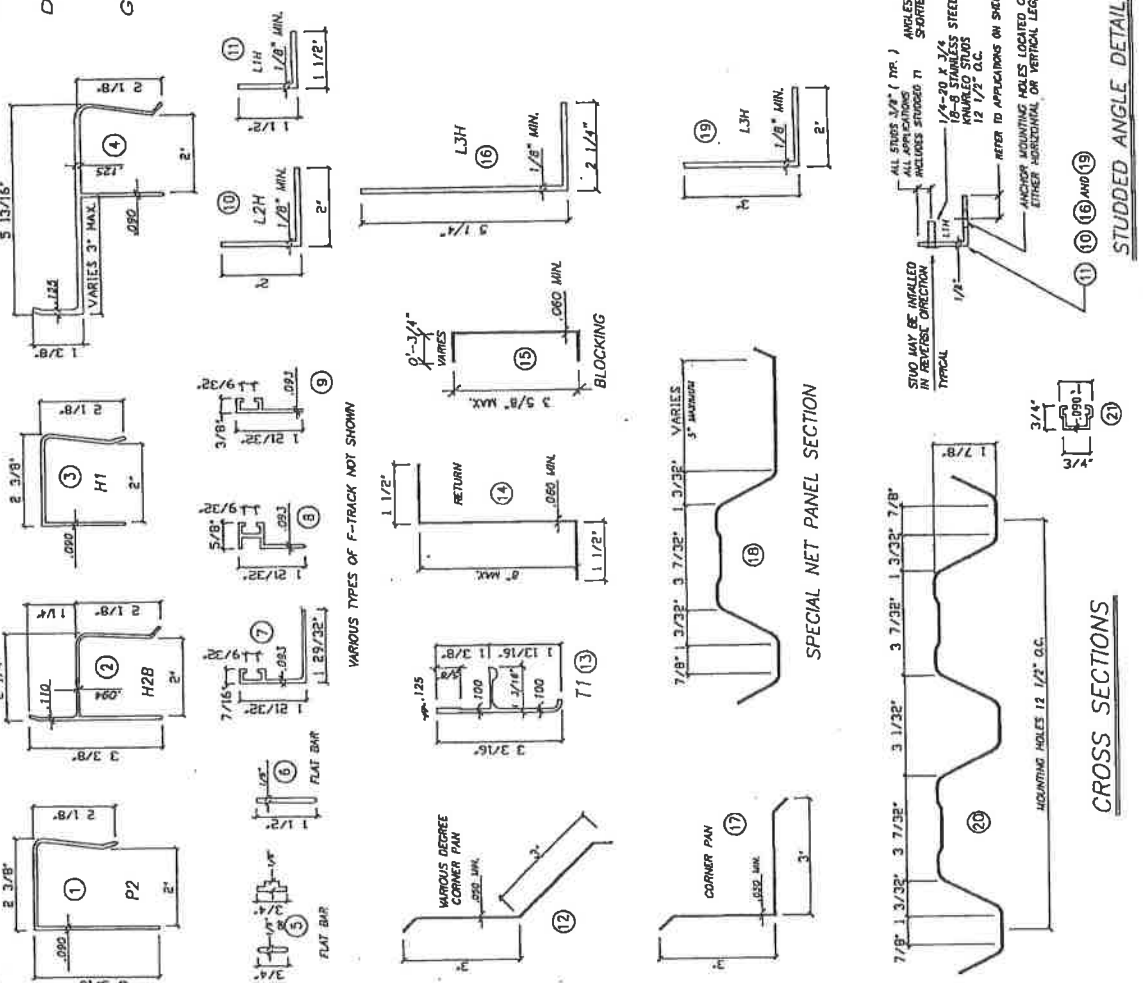
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE
STRUCTURE TO WHICH THE ADDITIONAL LONGS AND ASSURE PROPER ANCHORAGE.

EACH PANEL SHALL BEAR A PERMANENT LABEL OR STAMP SHOWING

- * SHUTTER TECH, INC. HALEAH, FL. * OMOE COUNTY PRODUCT CONTROL APPROVED *

WARNING TO OWNER OR TENANT LOCATED IN EACH HEADER OR ONE PANEL OF EACH OPENING:
STORM PANELS WILL NOT OFFER HURRICANE PROTECTION UNLESS ALL REINFORCING
STRAPS OR BOLTS ARE PROPERLY INSTALLED, WHEN REQUIRED

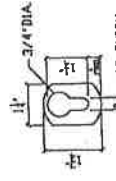
PERMANENT FASTENER COMPONENTS, EMBEDDED ANCHOR BOLTS, THREADED CONES
OR METAL SHIELDS, NOT IN USE, MUST BE PROTECTED AGAINST CORROSION,
CONTAMINATION AND DAMAGE AT ALL TIME.



CROSS SECTIONS

STUDDED ANGLE DETAIL

1/8" x 1 1/2" FLAT STUDDED STRAP MAY BE USED IN PLACE OF ANGLE



PRODUCT REVISED
as complying with the Florida
Building Code
Exception No. 15-0714-23
Expiration Date 03/21/2017
By: *[Signature]*
Miami-Dade Product Control

ROBERT S. MONSOUR, PE
EB-0006024
SHUTTER-TECH, INC.

REVISED	DATE
03/20/98	SP
12/15/00	SP
01/17/01	SP
01/05/06	SP
01/16/14	SP
09/29/15	SP

RAMMS ENGINEERING, INC.
Engineered Design
3700 W. 39th STREET, SUITE 311
HALEAH, FLORIDA 32915
EB 0006024

SHUTTER-TECH, INC.
MAXIMUM IMPACT .031 STEEL STORM PANEL
7485 W. SECOND CT., HALEAH, FL 32914

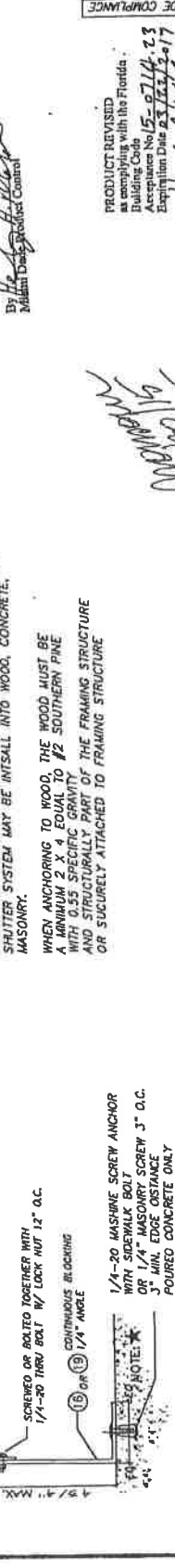
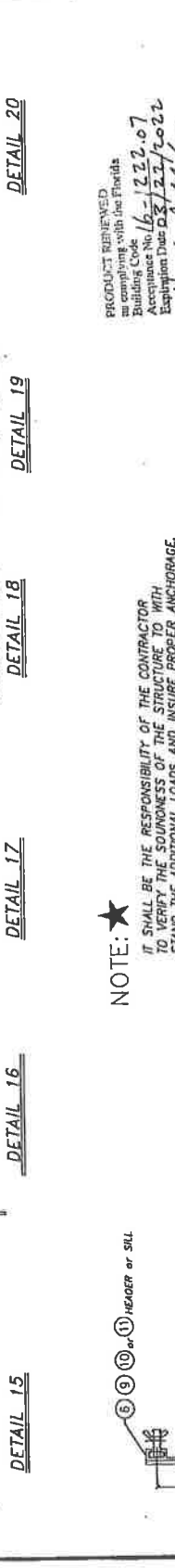
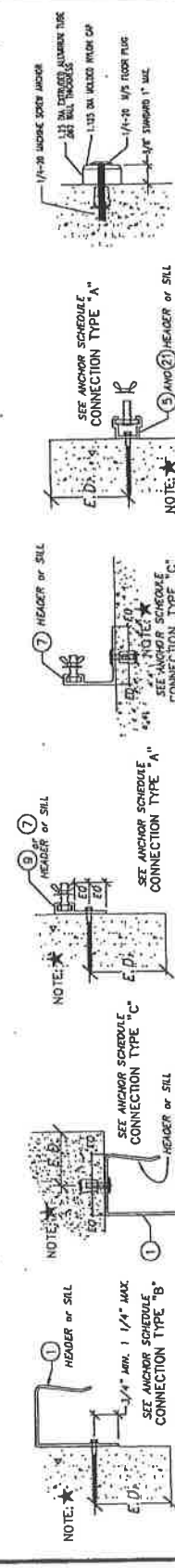
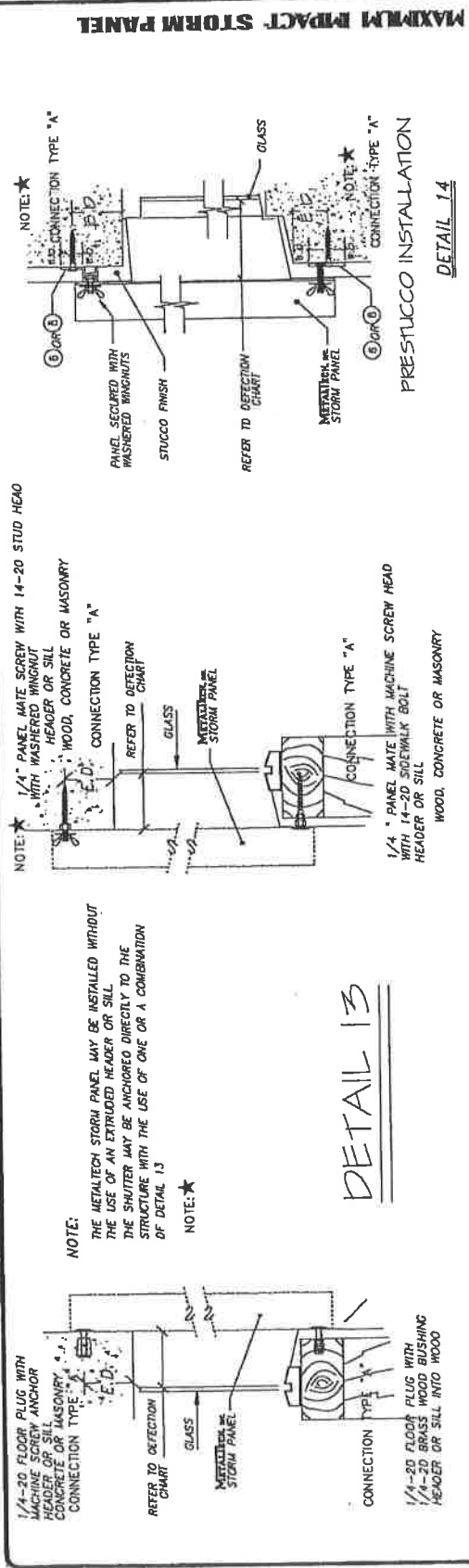
REVISED	DATE
01/17/01	SP
01/05/06	SP
01/16/14	SP
09/29/15	SP

REVISIONS	BY	DATE
03/20/98	SP	
01/17/01	SP	
01/11/02	SP	
01/06/05	SP	
01/16/14	SP	

RAMMS ENGINEERING, INC.
Structural Design
 4300 W. BIRCH STREET, 315
 MIAMI, FLORIDA 33135
 EB 0006024

SHUTTER-TECH, INC.
 MAXIMUM IMPACT .031 STEEL STORM PANEL
 7493 W. SECOND CT., MIAMI, FL 33134

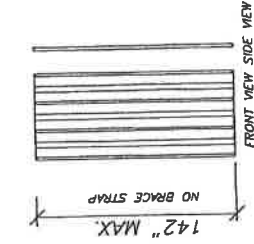
REV	DATE	BY	APP
3	01/10/07	SP	
7	03/08/08	SP	



.031 STEEL MAXIMUM IMPACT STORM PANEL

THE METALTECH STORM PANELS MAY BE INSTALLED WITH OR WITHOUT THE HORIZONTAL BRACE STRAP. REFER TO PANEL DEFLECTION CHARTS.

24' 90. STEEL	DESIGN PRESSURE	PANEL SPAN
	21.93	142"
	25.51	139"
	29.99	136"
	35.36	132"
	37.44	130"
	39.10	129"
	40.77	127"
	44.40	124"
	47.81	123"
	51.23	119"
	58.06	112"
	61.47	109"
	66.85	104"
	71.46	100"
	75.30	95"
	81.45	88"
	86.83	82"
	91.44	78"

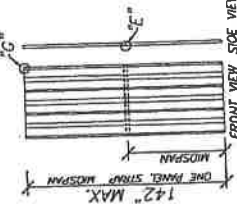


142" MAX. PANEL HEIGHT
NO PANEL STRAP
IS REQUIRED

HIGH VELOCITY HURRICANE ZONE
PANEL DEFLECTION CHART
WITHOUT HORIZONTAL STRAP

PANEL HEIGHT	0"-90"	90"-142"
WALL MOUNT	2 5/8"	3 1/2"
INSIDE MOUNT	2 5/8"	3 1/2"
BUILD OUT	2 5/8"	3 1/2"

MINIMUM DISTANCE BETWEEN GLASS AND PANEL



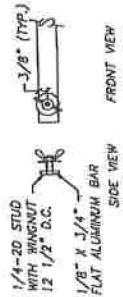
142" MAX. PANEL HEIGHT
ONE PANEL STRAP
LOCATED W/SPAN

HIGH VELOCITY HURRICANE ZONE
PANEL DEFLECTION CHART
WITH HORIZONTAL STRAP

PANEL HEIGHT	0"-104"	104"-142"
WALL MOUNT	2"	2 1/4"
INSIDE MOUNT	2"	2 1/4"
BUILD OUT	2"	2 1/4"

MINIMUM DISTANCE BETWEEN GLASS AND PANEL

HORIZONTAL BRACE STRAP

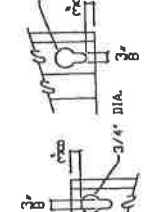


DETAIL "E"



MAXIMUM GAP BETWEEN PANEL AND HEADER IS 1/4" (TYP.)

DETAIL "F"



FASTENER MUST BE IN NARROW PORTION OF KEY HOLE.
IF NOT A KEY HOLE WASHER SHOULD BE USED.
MOUNTING HOLE MAY ALSO BE A 9/16" DIA. CIRCLE

DETAIL "G"



KEY HOLE WASHER

PANELS MAY RUN CONTIGUOUS BY WIDTH EITHER HORIZONTALLY OR VERTICALLY

EXPLODED ASSEMBLY

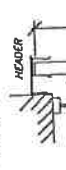


HEADER AND SILL TYPE MAY VARY, DEPENDING ON APPLICATION

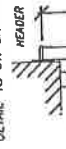
DETAIL 2 ON SHEET 2
DETAIL 16 ON SHEET 3



DETAIL 1 ON SHEET 2
DETAIL 15 ON SHEET 3



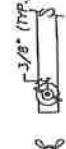
DETAIL 3, 4, & 8 ON SHEET 2



DETAIL 13 ON SHEET 3



DETAIL 13 ON SHEET 3



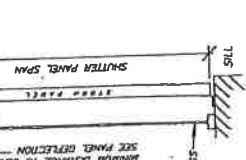
DETAIL 3, 4, & 8 ON SHEET 2



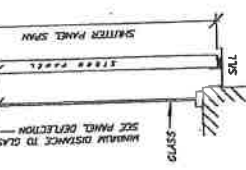
DETAIL 1 ON SHEET 2
DETAIL 15 ON SHEET 3



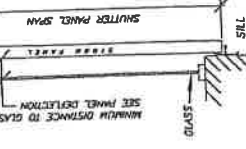
DETAIL 2 ON SHEET 2
DETAIL 16 ON SHEET 3



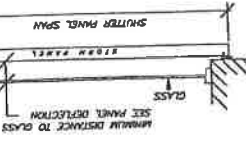
DETAIL 4 ON SHEET 2



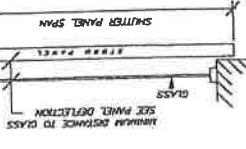
DETAILS 5, 7, 9, 10 AND 11 ON SHEET 2



DETAILS 3, 4 AND 8 ON SHEET 2



DETAIL 3, 4, & 8 ON SHEET 2



DETAIL 13 ON SHEET 3

INSIDE MOUNT
WITH HOR. AND SILL

BUILD OUT
WITH HOR. AND SILL

WALL MOUNT
WITH HOR. AND SILL

WALL MOUNT
ANCHORING PANEL TOP AND BOTTOM WITH STROBEG HRP/SILL

WALL MOUNT
ANCHORING PANEL TOP & BOTTOM NO HOR. OR SILL

PRODUCT RENEWED
in compliance with the Florida Building Code
Acceptance No. 16-1222-07
Expiration Date 2/3/22/2022
By: *[Signature]*
Miami Design Product Control

TYPICAL SECTION VIEWS

PRODUCT REVISED
in compliance with the Florida Building Code
Acceptance No. 15-0714-23
Expiration Date 2/3/22/2017
By: *[Signature]*
Miami Design Product Control

ROBERT S. MONSOUR, PE
EB-0006024
BPM ENGINEERING, INC.

REVISIONS	BY
03/20/98	SP
12/04/00	SP
01/17/01	SP
09/09/03	SP
07/16/14	SP

BPM ENGINEERING, INC. *Structural Design*
3108 N. WINDYCREST DRIVE, SUITE 310
MULLEN, FLORIDA 32018
EB 0006024

SHUTTER-TECH, INC.
7403 W. SECOND CT., HALESM, FL 32014
MAXIMUM IMPACT .031 STEEL STORM PANEL

SEP/ARB	DATE	NO.
	01/10/08	4
	07/01/08	7

ANCHOR SCHEDULE

ANCHOR SPACING vs DESIGN PRESSURE AND CONNECTION TYPE	ANCHOR TYPE	UP TO 58.8 PSF												UP TO 71.5 PSF											
		POURED CONCRETE CONNECTION TYPE			CONCRETE IN BLOCK CONNECTION TYPE			POURED CONCRETE CONNECTION TYPE			CONCRETE IN BLOCK CONNECTION TYPE			POURED CONCRETE CONNECTION TYPE			CONCRETE IN BLOCK CONNECTION TYPE								
		A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E				
	88" SPAN	18	13	8	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	2"	18	13	7	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	1 1/4"	18	13	5	13	13	10	13	13	13	14	13	4	13	13	14	13	4	13	13					
	88" SPAN	18	13	6	13	13	10	13	13	14	13	6	13	13	14	13	6	13	13	10					
	2"	15	11	5	13	13	15	11	6	13	12	6	4	8	12	6	12	6	6	8					
	1 1/4"	13	10	4	13	13	10	5	13	13	11	5	3	7	6	11	5	4	7	8					
	108" SPAN	14	6	5	6	10	14	7	6	8	10	11	4	4	5	4	2	4	5	4					
	2"	12	6	4	6	8	12	6	4	7	8	10	4	4	5	4	2	4	4	4					
	1 1/4"	11	4	3	4	6	10	4	5	5	7	8	3	3	4	3	3	3	3	3					
	1 1/4"	10	3	2	3	4	10	4	4	4	5	6	2	2	3	2	2	2	2	2					
	88" SPAN	18	13	13	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	2"	18	13	6	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	1 1/4"	18	13	5	13	13	10	13	13	13	14	13	4	13	13	14	13	4	13	13					
	88" SPAN	18	13	6	13	13	10	13	13	14	13	6	13	13	14	13	6	13	13	10					
	2"	15	11	5	13	13	15	11	6	13	12	6	4	8	12	6	12	6	6	8					
	1 1/4"	13	10	4	13	13	10	5	13	13	11	5	3	7	6	11	5	4	7	8					
	108" SPAN	14	6	5	6	10	14	7	6	8	10	11	4	4	5	4	2	4	5	4					
	2"	12	6	4	6	8	12	6	4	7	8	10	4	4	5	4	2	4	4	4					
	1 1/4"	11	4	3	4	6	10	4	5	5	7	8	3	3	4	3	3	3	3	3					
	1 1/4"	10	3	2	3	4	10	4	4	4	5	6	2	2	3	2	2	2	2	2					
	88" SPAN	18	13	11	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	2"	18	13	5	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	1 1/4"	18	13	4	13	13	10	13	13	13	14	13	4	13	13	14	13	4	13	13					
	88" SPAN	18	13	5	13	13	10	13	13	14	13	6	13	13	14	13	6	13	13	10					
	2"	15	11	5	13	13	15	11	6	13	12	6	4	8	12	6	12	6	6	8					
	1 1/4"	13	10	4	13	13	10	5	13	13	11	5	3	7	6	11	5	4	7	8					
	108" SPAN	14	6	5	6	10	14	7	6	8	10	11	4	4	5	4	2	4	5	4					
	2"	12	6	4	6	8	12	6	4	7	8	10	4	4	5	4	2	4	4	4					
	1 1/4"	11	4	3	4	6	10	4	5	5	7	8	3	3	4	3	3	3	3	3					
	1 1/4"	10	3	2	3	4	10	4	4	4	5	6	2	2	3	2	2	2	2	2					
	88" SPAN	18	13	13	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	2"	18	13	10	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	1 1/4"	18	13	10	13	13	10	13	13	13	16	13	7	13	13	18	13	9	13	13					
	88" SPAN	18	13	10	13	13	10	13	13	14	13	6	13	13	14	13	6	13	13	10					
	2"	15	11	5	13	13	15	11	6	13	12	6	4	8	12	6	12	6	6	8					
	1 1/4"	13	10	4	13	13	10	5	13	13	11	5	3	7	6	11	5	4	7	8					
	108" SPAN	14	6	5	6	10	14	7	6	8	10	11	4	4	5	4	2	4	5	4					
	2"	12	6	4	6	8	12	6	4	7	8	10	4	4	5	4	2	4	4	4					
	1 1/4"	11	4	3	4	6	10	4	5	5	7	8	3	3	4	3	3	3	3	3					
	1 1/4"	10	3	2	3	4	10	4	4	4	5	6	2	2	3	2	2	2	2	2					

NOTES:
 SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. REFER TO SHEET 4.

MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO AND/OR WALL FINISHES.

SHADDED AREAS REPRESENT ANCHOR CONDITIONS THAT ARE NOT ACCEPTABLE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHOOTER SYSTEM MAY BE INTALL INTO WOOD, CONCRETE OR MASONRY.

SHUTTER-TECH, INC.
 MAXIMUM IMPACT D031 STEEL STORM PANEL
 7408 W. SECOND CT. HALETHAM, FL 32814
 407.277.2022

PRODUCT REVIEWED as complying with the Florida Building Code. Acceptance No. 16-1222-07. Expiration Date 03/22/2017.
 By: *[Signature]*
 Robert S. Mansour, PE
 Robert S. Mansour, PE

BUILDING CODE COMPLIANCE
 PRODUCT REVIEWED as complying with the Florida Building Code. Acceptance No. 16-1222-07. Expiration Date 03/22/2017.
 By: *[Signature]*
 Robert S. Mansour, PE
 Robert S. Mansour, PE

REVISED	BY
03/20/98	SP
12/15/00	SP
01/17/01	SP
01/05/06	SP
01/15/14	SP

RAMMS ENGINEERING, INC.
Structural Design
 3100 W. 7TH AVENUE, SUITE 111
 MIAMI, FLORIDA 33135
 305.442.0224

ANCHOR SCHEDULE

ANCHOR TYPE	UP TO 81.5 PSF										UP TO 91.4 PSF									
	POURED CONCRETE					CONCRETE BLOCK					POURED CONCRETE					CONCRETE BLOCK				
	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
1/4" RAWL LUG BOLT (SLEEVE/ANCHOR) 1 1/8" MIN. EMBEDMENT	15	10	8	13	13	18	10	7	13	13	13	7	5	9	11	13	7	6	9	11
1/4" RAWL ZANAG WALL IN DRIVE (HAMMER DRIVE) 1 3/8" MIN. EMBEDMENT IN CONCRETE 1 1/4" MIN. EMBEDMENT IN BLOCK	14	9	5	13	13	14	9	6	13	13	12	4	3	7	9	12	4	3	7	9
VARIOUS HEAD TYPES	12	4	5	8	5	12	5	5	8	5	11	3	3	5	5	11	3	3	5	5
MASONRY SCREWS 1/4" RAWL PERMAL SEAL TAPPER 1/4" ELCO PANEL LATHES 1 1/2" MIN. EMBEDMENT IN CONCRETE 1 3/4" MIN. EMBEDMENT IN BLOCK	11	4	4	5	4	11	4	4	5	4	10	3	3	4	4	10	3	3	4	4
1/4-20 x 7/8" - 1/2" DIA. RAWL CALK-IN (MACHINE SCREW ANCHOR) 7/8" MIN. EMBEDMENT	10	4	3	5	4	10	4	4	5	4	9	3	3	4	4	9	3	3	4	4

NOTES:
 SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. FOR ALLOWABLE SPANS VS. DESIGN LOADS REFER TO SHEET 4.
 MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO AND/OR WALL FINISHES.
 SHADDED AREAS REPRESENT ANCHOR CONDITIONS THAT ARE NOT ACCEPTABLE.
 IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHUTTER SYSTEM MAY BE INTSHILL INTO WOOD. CONCRETE DR. BASHAWY.

PRODUCT RENEWED in compliance with the Florida Building Code. Acceptance No. 15-0714-23. Expiration Date 03/12/2017.
 By: *[Signature]*
 Michael D. Mansour, PE
 Robert G. Gifford, PE

BUILDING CODE COMPLIANCE

PRODUCT RENEWED in compliance with the Florida Building Code. Acceptance No. 15-0714-23. Expiration Date 03/12/2017.
 By: *[Signature]*
 Michael D. Mansour, PE
 Robert G. Gifford, PE

ROBERT S. MONSOUR, PE
 EB-0006024
 BAVS ENGINEERING, INC.

REVISION	BY
03/20/98 SP	
01/17/01 SP	
01/05/06 SP	
01/16/14 SP	

BPMMS ENGINEERING, INC.
Michael D. Mansour
 3700 N. 78th Street, Suite 311
 Hialeah, Florida 33151
 EB 0006024

SHUTTER-TECH, INC.
 MAXIMUM IMPACT .031 STEEL STORAGE PANEL
 7455 W. SECOND CT. WALSLEY, FL 32014

REV./DATE	BY
01/16/14	
01/05/06	
03/20/98	



Northeast High School - Single Point of Entry

8/31/2017

GMP Summary Estimate

Bid Package	Bid Amount Received	Subcontractor	M/WBE (Y/N)
01A - Final Cleaning	\$1,759	CCMS	NO
03A - Concrete	\$27,450	Proshell	NO
04A - Masonry/CMU	\$18,600	Proshell	NO
08A - Exterior Glass - Storefronts and Windows	\$21,555	A-Christian	NO
08B - Doors, Frame and Hardware	\$87,166	JJAS Door	YES
09A - Drywall, Carpentry and Ceilings	\$15,900	Atlantic Interior	YES
09B - Stucco/Plastering	\$11,600	Atlantic Interior	YES
09C - Painting	\$7,420	Jasper	YES
10B - Aluminum Covered Walkways	\$28,940	Perfection Architectural	NO
26A - Electrical and Fire Alarm	\$29,140	C&F	NO
Canopy Signs Allowance	\$3,000	TBD	NO
Storm Shutters Allowance (doors 101.1 and 2.178.1)	\$10,000	TBD	NO
SUBTOTAL	\$262,519		
Builder's Risk Deductible Contingency (GC Article 31.21)	\$20,000		
Construction Contingency	\$26,252		
General Conditions / General Requirements Fee	\$266,974		
CM Fee	\$13,126		
Insurance and Bonds			
Sub Guard/CDI	\$3,754		
Liability Insurance	\$5,202		
Insurance and Bonds	\$3,609		
Total Estimated Costs	\$601,436		
Subcontractor M/WBE %	20%		
D Stephenson Portion of Fee	1%		
D Stephen General Conditions / General Requirements Fee %	9%		
Total M/WBE %	30%		



Northeast High School - Single Point of Entry
 Ft Lauderdale, FL

Proposed Construction Phase Personnel & Expense

	2017												2018					Total	Total Hours	Proposed Cost
	July	Aug	Sept	Oct	Nov	Dec	Total	Jan	Feb	Mar	Apr	May								
Field Personnel																				
Procurement																				
Construction																				
Close Out																				
On-site Project Executive [TBD]				39	39	37	115	40	36	39								115	230	25,567
On-site Project Manager [Pablo Burgos]				78	78	75	231	81	71	78								230	461	41,620
On-site Project Engineer [TBD]				155	155	148	458	162	141	155								458	916	47,399
On-site Superintendent (Ds) [TBD]						148	148	162	141	155								458	606	55,162
On-site Sr. Project Executive [Ted Cava]				4	4	4	12	4	4	4								12	24	5,073
On-site Area Safety Manager [John Rawlings]				8	2	2	12	2	2	2								6	18	1,534
On-site Division Quality Manager [TBD]				8	2	2	12	2	2	2								6	18	1,279
Purchasing Manager [Chris Beck]				40			40											40	40	6,057
Purchasing Manager Assistant [Sherri Puffenburger]				80			80											80	80	3,982
On-site Project Accountant [Candace Newell]				20	20	20	60	20	20	20								60	140	8,151
							1,168											1,365	2,533	195,824

Gilbane Building Company
 661 University Boulevard
 Suite 107
 Jupiter FL 33458
 (561) 691-0060



Northeast High School - Single Point of Entry

Broward County Public Schools

Ft Lauderdale, FL

ACAI

FIELD OFFICE SUPPORT		12/26/17 thru 4/16/18	TOTAL
Description	Quantity	Unit	Rate

FIELD OFFICE EQUIPMENT

Leased Computers	2	Ea.	2,400	4,800
Tablet PC's	1	Ea.	650	650
Tablet PC, cell connection (PM, PE and Super x 4 months)	12	Mo	50.00	600

FIELD OFFICE EXPENSE

Bottled Water	4	Mo	80	320
Textura CPM Software	1	Ea.	500	500
P6 Scheduling Software	1	License	3,500	3,500
Quality Control Management Systems (PX x 2 months)	2	Mo	600	1,200
Quality Control Management Systems (PM x 3 months)	3	Mo	600	1,800
Quality Control Management Systems (PE x 6 months)	6	Mo	600	3,600
Quality Control Management Systems (Super x 4 months)	4	Mo	600	2,400
First Aid Supplies	1	LS	1,500	1,500
Miscellaneous Blueprinting	1	Mo	250	250
Postage, Shipping & Express	6	Mo	220	1,320
Small Tools & Supplies	4	Mo	250	1,000
Stationary, Paper & Supplies	6	Mo	200	1,200
Cell Phones (PM x 3 months)	2	Mo	125	250
Cell Phones (PE x 6 months)	3	Mo	125	375
Cell Phones (Super x 4 months)	6	Mo	125	750
Job Site Employee Travel (PX x 2 months)	4	Mo	125	500
Job Site Employee Travel (PM x 3 months)	2	Mo	300	600
Job Site Employee Travel (PE x 6 months)	3	Mo	300	900
Job Site Employee Travel (Super x 4 months)	6	Mo	300	1,800
Job Site Employee Travel (Safety x 4 months)	4	Mo	300	1,200
Job Site Employee Travel (Quality Manager x 4 months)	4	Mo	300	1,200
Job Site Employee Travel (Sr. PX x 4 months)	4	Mo	300	1,200
Job Site Employee Travel (Accountant x 4 months)	4	Mo	300	1,200
Employee Vehicles - Auto Allowance (PX x 2 months)	2	Mo	895	1,750
Employee Vehicles - Auto Allowance (PM x 3 months)	3	Mo	895	2,685
Employee Vehicles - Auto Allowance (Super x 4 months)	4	Mo	895	3,580

TOTAL FIELD OFFICE SUPPORT COST

43,870

Gilbane Building Company
 661 University Boulevard
 Suite 107
 Jupiter FL 33458
 (561) 691-0060



Northeast High School - Single Point of Entry

Broward County Public Schools

Ft Lauderdale, FL

ACAI

GENERAL REQUIREMENTS				
				12/26/17 thru 4/16/18
Description	Quantity	Unit	Rate	TOTAL
PROJECT PERMITS				
BCPS ID Badges (All Staff)	4	Ea.	85	340
TEMPORARY FACILITIES / CHEMICAL TOILETS				
Chemical Toilets	4	Mo.	300	1,200
Storage Trailers & Tool Rooms	4	Mo.	350	1,400
Construction Sign	1	Est.	3,500	3,500
Temporary Safety Protection for footings	20	Est.	50	1,000
LABORATORY TESTING & OWNER RELATED SERVICES				
Soil Testing	1	LS	1,700	1,700
Concrete & Masonry Testing	1	LS	2,100	2,100
Steel Inspection	1	LS	760	760
Soil, Concrete and Steel Reports	1	LS	980	980
TEMPORARY CONSTRUCTION / SAFETY				
Project Fire Extinguishers	2	Est.	150	300
Removable Fence	300	Lf.	14	4,200
Double Gate	2	Ea.	500	1,000
PROJECT CLEAN-UP				
Dumpster Service	8	Ea.	450	3,600
Rough Cleanup	4	Mo.	1,300	5,200
TOTAL GENERAL REQUIREMENTS COST				27,280



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 01A - Final Cleaning

	Subcontractor	CCMS		A&S Total Cleaning		Custom Cleaning Group	
		NO	YES	NO	YES	NO	YES
BASE BID 7/19/17 BREAKDOWN:							
Total Material	MWBE with SBBC	NOT INCLUDED		\$ 285		NOT INCLUDED	
Total Labor Cost		NOT INCLUDED		\$ 1,800		NOT INCLUDED	
Total Applicable Sales and Use Taxes		NOT INCLUDED		NOT INCLUDED		NOT INCLUDED	
Total Bid			\$ 971	\$ 2,085			\$ 795
Total Estimated On-Site Man-hours		32		NOT INCLUDED		NOT INCLUDED	
BID ADJUSTMENTS:							
Clean exterior glass at SPE and Building 4		INCLUDED IN REV. BID		INCLUDED		INCLUDED	
Casework clean		INCLUDED IN REV. BID		INCLUDED		INCLUDED	
Office next to SPE (101E)		INCLUDED IN REV. BID		INCLUDED		INCLUDED	
Schedule update 2017-08-21 (additional mobilization)			150 P	\$			500
After scope review meeting (all items above)			638	\$			
TOTAL SUBCONTRACTOR BID:			1,759	\$			2,585

Base Bid
 B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 03A - Concrete

Subcontractor MWBE with SBBC	Proshell NO	Ron Kendall NO
BASE BID 7/19/17 BREAKDOWN:		
Total Material	NOT INCLUDED	NOT INCLUDED
Total Labor Cost	NOT INCLUDED	NOT INCLUDED
Total Applicable Sales and Use Taxes	NOT INCLUDED	NOT INCLUDED
Total Bid	\$ 22,500	\$ 41,075
Total Estimated On-Site Man-hours	NOT INCLUDED	NOT INCLUDED
BID ADJUSTMENTS:		
After scope review meeting	B \$ 4,950	
Demolition and grade of slab on grade areas	INCLUDED IN REVISED BID	
Resod of areas	INCLUDED IN REVISED BID	
TOTAL SUBCONTRACTOR BID:	\$ 27,450	\$ 41,075

Base Bid

B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 04A - Masonry/CMU

Subcontractor MWBE with SBBC	Oceanside NO	Proshell NO
BASE BID 7/19/17 BREAKDOWN:		
Total Material	\$ 2,000	NOT INCLUDED
Total Labor Cost	\$ 7,200	NOT INCLUDED
Total Applicable Sales and Use Taxes	INCLUDED	NOT INCLUDED
Total Bid	\$ 9,200	\$ 8,900
Total Estimated On-Site Man-hours	72	NOT INCLUDED
BID ADJUSTMENTS:		
Total Labor and Material for Door Replacement at Building 2	B \$ 12,000	B \$ 6,750
Fill CMU cells with grout at Building 2 doors	P \$ 2,950	B \$ 2,950
TOTAL SUBCONTRACTOR BID:	\$ 24,150	\$ 18,600

Base Bid

B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 08A - Exterior Glass - Storefronts and Windows

Subcontractor MWBE with SBBC	A-Christian NO	IB Glazing YES
BASE BID 7/19/17 BREAKDOWN:		
Total Material	\$ 13,447	NOT INCLUDED
Total Labor Cost	\$ 5,886	NOT INCLUDED
Total Applicable Sales and Use Taxes	\$ 442	NOT INCLUDED
Total Bid	\$ 19,775	\$ 26,063
Total Estimated On-Site Man-hours	24	
Total Alternates (NOT INCLUDED IN BID)	\$ 1,395	
Total Bond (NOT INCLUDED IN BID)	\$ 323	
BID ADJUSTMENTS:		
After scope review meeting - Add transom	B \$ 1,780	
Schedule update (additional mobilizations)	B	INCLUDED
TOTAL SUBCONTRACTOR BID:	\$ 21,555	\$
ALTERNATES:		
Provide all GLASS AND GLAZING and related work, including, but not limited to all labor, materials, necessary equipment and services to complete all glass in the project including hollow metal doors provided by other trade contractors. Other materials that should be included by this trade contractor for a complete glass and glazing installation, includes but are not limited to; caulking, adhesives, fastener strips, fasteners, sealants, flashings and any other items required to complete the work as detailed in the Contract Documents	\$ 1,395	INCLUDED
TOTAL SUBCONTRACTOR ALTERNATES:		\$ 1,395

Base Bid

B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 08B - Doors, Frame and Hardware

Subcontractor MWBE with SBBC	JJAS Door YES	Next Door NO
BASE BID 7/19/17 BREAKDOWN:		
Total Material	\$ 58,735.62	\$ 46,000.00
Total Labor Cost	\$ 17,450.00	NOT INCLUDED
Total Applicable Sales and Use Taxes	\$ 4,111.50	INCLUDED
Total Bid	\$ 80,297.12	\$ 46,000.00
Total Estimated On-Site Man-hours	190	
BID ADJUSTMENTS:		
Door and hardware installation including mod. to existing doors	INCLUDED	INCOMPLETE
Add door 101.1	INCLUDED	BID. ONLY
Glass and Glazing for doors	INCLUDED	MATERIAL
Revised bid after scope review meeting and schedule dated 8-21-17	B \$ 6,859	INCLUDED.
TOTAL SUBCONTRACTOR BID:	\$ 87,156	\$ -

Base Bid
 B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 09A - Drywall, Carpentry and Ceilings

Subcontractor MWBE with SBBC	Atlantic Interior YES	Applegate YES
BASE BID 7/19/17 BREAKDOWN:		
Total Material.....	\$ 3,892.00	\$ 2,100.00
Total Labor Cost.....	\$ 5,115.00	\$ 21,274.00
Total Applicable Sales and Use Taxes.....	\$ 293.00	\$ 126.00
Total Bid.....	\$ 9,300.00	\$ 23,500.00
Total Estimated On-Site Man-hours.....	120	327
BID ADJUSTMENTS:		
Window Treatment removal and install (WILL ADD)	INCLUDED	INCLUDED
ACT repair of ceiling (corridor) at Bldg 4	INCLUDED	INCLUDED
Acid Alternates below and additional scope pending		
New schedule dated 8-21-2017 (additional mobilizations)		
	5,600 P	\$ 2,900
	1,000 P	\$ 1,000
TOTAL SUBCONTRACTOR BID:	15,900	\$ 27,400
ALTERNATES:		
1. Floor replacement/repair – add repairs or new floor installation to affected areas of the VCT tile floor and rubber floor as required per contract documents and including any repairs and/or new base in respective areas affected by this or any other contractors	INCLUDED IN BID	P \$ 1,700
2. Ceramic tiles installation – add installation of ceramic tiles at the interior of the new window sill following the detail of the existing ceramic tile window sills at the reception area. This is included in RFI#7 and will be confirmed by the designer. Tiles must match the color and texture of existing tiles	INCLUDED IN BID	P \$ 1,200
TOTAL SUBCONTRACTOR ALTERNATES:	INCLUDED IN BID	P \$ 2,900

Base Bid

- B - Breakout number, not included in Base Bid; Sums in Total
- P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Po
 Title: GMP#1 - Single Point of Entry

Bid Package: 09B - Stucco/Plastering

	Subcontractor	Atlantic Interior
	MWBE with SBBC	YES
BASE BID 7/19/17 BREAKDOWN:		
Total Material	\$	279.00
Total Labor Cost	\$	1,200.00
Total Applicable Sales and Use Taxes	\$	21.00
Total Bid	\$	1,500.00
Total Estimated On-Site Man-hours		32
BID ADJUSTMENTS:		
Additional Stucco Patch - Unit Rate (\$/sqft) - minimum \$400	B \$	5.25
Stucco at Doors that will be replaced (Rooms 175, 177, 178)		INCLUDED IN REVISED BID
Stucco over door 101.1 (stucco and tile demo)		INCLUDED IN REVISED BID
Stucco repair of ceiling (corridor) at Bldg 4		INCLUDED IN REVISED BID
Revised bid after Scope Review Meeting Rev. 2	B \$	8,300
New schedule dated 8-21-2017 (additional mobilizations)	B \$	1,800
TOTAL SUBCONTRACTOR BID	\$	11,600

Base Bid
 B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 09C - Painting

Subcontractor MWBE with SBBC	Pegasus NO	Jasper YES
BASE BID 7/19/17 BREAKDOWN:		
Total Material	\$ 1,620.00	\$ 750.00
Total Labor Cost	\$ 5,530.00	\$ 1,200.00
Total Applicable Sales and Use Taxes	\$ 113.00	\$ 136.50
Total Bid	\$ 7,263.00	\$ 2,086.50
Total Bond (NOT INCLUDED IN BID)		\$ 60.00
Total Estimated On-Site Man-hours	275	NOT INCLUDED
BID ADJUSTMENTS:		
Door 101.1 to be painted		INCLUDED
Add Allowance - Paint doors that hardware will be replaced for Building #8 and #10 (7 single doors and 18 double doors)	B \$ 5,871	B \$ 5,333
TOTAL SUBCONTRACTOR BID:	\$ 13,134	\$ 7,420
ALTERNATES:		
Paint all doors Building #8 and #10	B \$ 5,871	B \$ 5,333
TOTAL SUBCONTRACTOR ALTERNATES:	B \$ 5,871	B \$ 5,333

Base Bid
 B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 10B - Aluminum Covered Walkways

Subcontractor	Walt Dittmer	Perfection Architectural	Paradise Awnings	Atlantic Awnings	Walker Design & Co.
MWBE with SBBC	NO	NO	NO	NO	NO
BASE BID 7/19/17 BREAKDOWN:					
Total Material	NOT INCLUDED	\$ 11,010	NOT INCLUDED	NOT INCLUDED	\$ 14,097.00
Total Labor Cost	NOT INCLUDED	\$ 8,900	NOT INCLUDED	NOT INCLUDED	\$ 18,122.00
Total Applicable Sales and Use Taxes	NOT INCLUDED	\$ 661	NOT INCLUDED	NOT INCLUDED	NOT INCLUDED
Total Bid	\$ 41,000.00	\$ 28,940.00	\$ 52,795.00	\$ 78,700.00	\$ 32,219.00
Total Bond	\$ 410.00				
Total Estimated On-Site Man-hours	NONE	32	NOT INCLUDED	NOT INCLUDED	NOT INCLUDED
BID ADJUSTMENTS:					
Footings & Slab On-grade Scope	IN 03A CONCRETE	IN 03A CONCRETE	INCLUDED		IN 03A CONCRETE
Lighting and Lightning Protection Scope	IN 03A CONCRETE	IN 03A CONCRETE	INCLUDED		IN 03A CONCRETE
Temp. Fencing Scope	IN 03A CONCRETE	IN 03A CONCRETE	INCLUDED		IN 03A CONCRETE
Signs	IN 03A CONCRETE	IN 03A CONCRETE	INCLUDED		IN 03A CONCRETE
Resubmission of bid after scope review meeting	NON APPLICABLE	NO CHANGE	82,575		NON APPLICABLE
Deductive for footing, slab, electrical work, temp. fencing and signs	NON APPLICABLE	NON APPLICABLE	(82,575)		NON APPLICABLE
TOTAL SUBCONTRACTOR BID:	\$ 41,000	\$ 28,940	\$ 52,795	\$ -	\$ 32,219

Base Bid
 B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD



Project: Northeast High School - Single Point of Entry
 Title: GMP#1 - Single Point of Entry

Bid Package: 26A - Electrical and Fire Alarm

Subcontractor MWBE with SBBC	C&F NO	Meisner NO
BASE BID 7/19/17 BREAKDOWN:		
Total Material	\$ 8,510.00	\$ 1,150.00
Total Labor Cost	\$ 10,000.00	\$ 9,636.00
Total Applicable Sales and Use Taxes	\$ 630.00	\$ 65.06
Total Bid	\$ 19,140.00	\$ 26,262.00
Total Bond	\$ 750.00	\$ 400.00
Total Estimated On-Site Man-hours	160	120
BID ADJUSTMENTS:		
ALTERNATE #1 - Canopy Lighting	B \$ 5,000 B \$	5,100
ALTERNATE #2 - Canopy Lighting Protection	B \$ 5,000 B \$	4,100
TOTAL SUBCONTRACTOR BIDS	\$ 29,140	\$ 35,462
ALTERNATES:		
1. Provide all exterior and aluminum covered walkway lighting (outdoor drum fixtures) in accordance with contract documents for a complete system	B \$ 5,000 B \$	5,100
2. Provide all lightning protection system for aluminum covered walkway in accordance with contract documents for a complete system	B \$ 5,000 B \$	4,100
TOTAL SUBCONTRACTOR ALTERNATES:	B \$ 10,000 B \$	9,200

Base Bid

B - Breakout number, not included in Base Bid; Sums in Total
 P - Plug number, not included in Base Bid; Sums in Total

RECOMMENDATION TO AWARD

Clarifications and Qualifications

Based on the following Clarifications and Qualifications:

General

1. The contract agreement, General Conditions Article 44 indicates the basis of the Right to Audit Provisions. Per CMAR Agreement Article 7.1.3, the General Conditions are included as a lump sum cost in the GMP. As with all lump sums it is anticipated that some line items in the originally proposed budget will be exceeded while others result in a savings. The intended result is that there is a balanced budget within the line items.
2. MWBE participation is currently 30% of this overall GMP value.
3. The GMP is utilizing CDI/Subguard for all of the trade contractors in lieu of subcontractor Payment and Performance Bonds, which is considered part of the Cost of the Work. This benefits the owner by getting lower rates on all subcontractors included under this insurance. By acceptance of this Clarification, the Owner is accepting these costs as required per article 24.13 of the General Conditions. CDI/Subguard is separate from the Payment and Performance Bond that the Construction Manager will provide as per Article 9 of the CMAR Agreement.
4. Pursuant to the School Board of Broward County's request of an early GMP for Single Point of Entry scope, we have incurred an additional cost that would not have been anticipated at the time of Preconstruction Service Agreement award. Therefore we have incorporated the additional cost for the Chief Purchasing Manager and Purchasing Manager Assistant as part of our General Conditions. All other staffing allocated to the project will be either located full time or part time on-site as required for the execution of the work.
5. It is assumed that all furnishing and owner equipment will be relocated out of the construction and/or staging area by the owner prior to commencement of work.
6. As per article 25.2.05 of the CMAR Agreement – General Conditions, the following software has been included as part of the Quality Control Systems: CMiC, iBidPro, Bluebeam, BIM-360, iBuild, SmartApp and Docbuilder. These software are calculated based on a monthly rate per employee. Textura and Primavera P6 is a onetime fee that will cover the complete project including GMP Amendment 2.
7. It is assumed that Construction Manager (CM) and Trade Contractor shall be able to utilize part of the existing front entrance of Building 1 for delivery of materials, staging of materials, and storage of materials as necessary to complete the construction work as referenced in the Site Logistics plan, which is included as part of Attachment III – Additional Contract Documents on pages 163 to 165 of this GMP Amendment 1. The CM shall provide chemical toilets for the construction workers, also referenced on the Site Logistics plan. This area will not be available for use by the public, including any students, staff, and/or parents. The use of this area was confirmed by Heery with the school principal for the entire project duration.
8. It is anticipated the project will operate during normal construction business hours from Monday through Friday 7am to 4pm and that access will be provided by school staff. The CM reserves the right to perform work off-hours as required to achieve the project milestones in coordination with school staff at no additional cost to Owner.
9. Due to limited size and magnitude of this project, the Construction Manager will not provide any trailers. The Construction Manager's (CM) onsite facility will be the Superintendent's vehicle. It is intended that the CM and Trade Contractors shall utilize current onsite electrical outlets and water service for the SPE portion of the Project as a cost saving measure for the District.
10. The Contingency percentage (10%) value has been established based on potential for unknown or concealed conditions to be encountered with the renovation of an existing space.
11. Per Article 13.1.09 of CMAR Agreement Jobsite Employee Travel is included in the Field Office Expense for Gilbane's staff to account for miscellaneous travel associated with the project and does not include travel from home office to the project site. The value for this is a set monthly rate that is established per employee and calculated utilizing standard mileage rates. Auto allowance is included in the Field Office Expense for the operation's staff to account for the individual staff member's use of a personal vehicle, which is separate from the travel referenced above. The value for this auto allowance is a set monthly rate per employee.

Clarifications and Qualifications: NEHS – Single Point of Entry GMP

12. Final cleaning bid package is included in the trade contractor's scope of work and is not included as part of the General Conditions.
13. One general project permit for Gilbane Building Company is included as part of this GMP. It was confirmed by the Building Department in an email dated August 23, 2017 that subcontractors will not be required to file for additional sub-permits.
14. Items not incorporated into this GMP Amendment 1: (or by others)
 - i. Asbestos and/or any other hazardous materials abatement- by owner.
 - ii. FF&E
 - iii. Any cost for licenses associated by eBuilder or any other document control software not included above.
 - iv. Upgrades or corrections to hidden or unforeseen code violations.
 - v. Builder's risk insurance.
 - vi. Aerial photos

The following items represent further clarifications that have been included in the proposal:

Clarifications:**Site Logistics:**

- **Site Work – Aluminum Covered Walkway:**
 - Temporary fencing will be installed as shown in the Site Logistics Plan to protect the students and isolate the construction personnel from the school.
 - Entrance to Building 1 during the construction period indicated in the project schedule will be limited to the two double doors located at the north facade of Building 1 at corridor 002.
- **Building 1 – Reception Area 101 and Corridor 003:**
 - Dust partitions and temporary protection are included as part of our trade contractor's scope of work and not part of the General Conditions. Temporary dust partitions are considered a drywall partition with gypsum only on the students' side with plastic barrier. The layout for the temporary partitions is included in the Site Logistics plan. This area will not be available for the school use until Substantial Completion as indicated in the project schedule.
- **Building 2 – HM Double Louvered Door Replacement and Buildings 8 and 10 - Door Hardware Replacement:**
 - This scope will be performed during Winter break period (December 26, 2017 to January 8, 2018). Since no students will be occupying the campus during this time period, no additional security measures such as temporary partitions or fencing are included. Notice that all the project employees will be badged.
- **Building 4 – Aluminum Door Replacement:**
 - This scope will be performed during Spring break period (March 23, 2018 to March 30, 2018). Since no students will be occupying the campus during this time period, no additional security measures such as temporary partitions or fencing are included. Notice that all the project employees will be badged.

Hazardous Materials:

- Reports No. 17170-13420 and 17-170-13433 for the "Limited Renovation Lead-Based Paint and Asbestos Materials Survey" were provided for the CMAR's reference. Both reports indicate presence of either Asbestos Containing Materials (ACM) and/or Lead Based Paint (LBP) within the project area. Prompt remediation by the owner of the affected areas prior to construction start is required and indicated in the Project Schedule.

Clarifications and Qualifications: NEHS – Single Point of Entry GMP

Final Cleaning:

- Only areas included within the project limits and those areas affected by performance of the work are included for final cleaning. For purposes of this GMP Amendment 1 the following areas were considered for final cleaning:
 - Building 1: office 101E, reception area portion that will be affected 101J, reception waiting 101, egress hall 003 portion that will be affected
 - Building 4: lobby 201
- We have not included final cleaning of the entire school or in some cases entire areas.

Masonry-CMU:

- *Building 2 – HM Double Louvered Door Replacement:*
 - Concrete floor patching due to frame removal is included.

Drywall, Carpentry, Ceilings:

- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - Removal of existing ceiling system at these areas will be extremely limited. The existing ceiling, especially at the reception area, is dated and we will try to minimize the impact to this system to avoid any unforeseen replacement. Noting that replacement of this ceiling is not included and only modifications to the ceiling are required per response to RFI#07
- *Building 4 – Aluminum Door Replacement:*
 - During the installation of the two new aluminum storefront doors (4.201.1 and 4.201.2) the exterior stucco and interior ACT ceilings will be impacted. Although drywall repairs, proper stucco finish at the exterior and modifications to the existing ACT ceiling is not shown in the drawings, it has been included as part of this GMP.

Stucco:

- *Building 4 – Aluminum Door Replacement:*
 - During the installation of the two new aluminum storefront doors (4.201.1 and 4.201.2) the exterior stucco ceiling will be impacted. Although stucco patch is not included in the drawings, it has been included as part of this GMP.

Paint:

- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - Only affected areas by the contract scope of work will be painted.
 - Painting of existing walls is limited to the closest corner and separation point of affected walls, when feasible, and not the entire project area. At interior egress halls and exterior applications, new painting is included to the closest door/window and/or control joint and not the entire wall.
- *Building 2 – HM Double Louvered Door Replacement:*
 - Only affected areas by the contract scope of work will be painted.
 - Painting of existing walls is limited to the closest corner and separation point of affected walls, when feasible, and not the entire project area. At the exterior, new painting is included to the closest door and/or control joint and not the entire wall.
- *Building 4 – Aluminum Door Replacement:*
 - Only affected areas by the contract scope of work will be painted.
 - Painting of existing exterior stucco ceiling will be limited to the affected area and not the entire ceiling area.
- *Buildings 8 and 10 - Door Hardware Replacement:*
 - Only affected areas by the contract scope of work will be painted.

Clarifications and Qualifications: NEHS – Single Point of Entry GMP

- Painting scope is limited to repainting existing doors that are modified for proper hardware installation. Preparation of existing door surface is not included except at areas affected by the hardware installation.

Doors, Frames and Hardware:

- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - Per response to RFI-11, a storm shutter is included as an allowance for door 101.1 to comply with proper pressure requirements.
- *Building 2 – HM Double Louvered Door Replacement:*
 - Per response to RFI-09, a storm shutter is included as an allowance for door 2.178.1 to comply with proper pressure requirements.
- *Buildings 8 and 10 – Door Hardware Replacement:*
 - Only hardware replacement is considered in this scope with appropriate modifications to the existing door to receive new hardware included in hardware schedule. The installation of this hardware will be performed over existing exterior doors in which condition is unknown at this time. Only visual inspection has been performed to these doors.
 - Flooring replacement at these locations is not included. Installation of new hardware will be performed in such way to avoid any damage to the existing areas. If the existing floor is currently damaged, it will not be replaced as part of this scope.

Misc. Architectural Work:

- Relocation of existing signs not shown in contract documents is not part of this GMP.
- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - Minor floor replacement is only considered at new door 101.1.
 - Rubber base will be replaced at damaged areas. Areas considered for misc. rubber base replacement are limited to Building 1 – reception waiting 101 and egress corridor 003.
 - Ceramic tiles to match the existing installation at windows in reception area 101 will be followed with the tile selected by the architect
 - Existing window treatment will be relocated only from the existing window to the new window W1, considering that this material is in good condition upon removal. Please notice that the window treatment currently located at door 101.2 will not be able to be relocated due to its size.

Electrical:

- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - As part of the site visit performed to the project with the bidders, it was noticed that above door 101.2 there are some existing utilities penetrating this wall. Per contract documents this wall will be a new fire rated wall. We will provide adequate sleeves and fire sealant for each of the existing and new utilities at this location as per response to RFI-07. However, existing not code compliant utilities that are not part of the scope are not included.

Fire Alarm:

- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - It is included that Broward Fire/PPO will do the programming for FA panel and PPO will witness ring out and testing by contractor. Heery / SBBC will cover the cost for PPO work.

Aluminum Covered Walkway:

- *Building 1 – Exterior, Reception Area 101 and Corridor 003:*
 - The canopy will drain thru the columns with some deflectors. No drain tie-ins are included in contract documents or in this GMP.

CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing

APPLICATION NO:

Contractor's signed certification is attached.

APPLICATION DATE:

In tabulations below, amounts are stated to the nearest cent.

PERIOD TO:

ARCHITECT'S PROJECT NO:

A ITEM	B DESCRIPTION OF WORK	C ORIGINAL BUDGET	D APPROVED CHANGE ORDERS	E TOTAL CONTRACT VALUE	FROM PREVIOUS WORK COMPLETED THIS PERIOD (D + E)	G MATERIALS PRESENTLY STORED (NOT IN D OR E)	H TOTAL COMPLETED AND STORED TO DATE (D+E+H)	J % (G + C)	K BALANCE TO FINISH (C - G)	N TOTAL RETAINAGE
CONSTRUCTION										
01A	General Construction	1,759								
03A	Final Cleaning	27,450								
04A	Concrete	18,600								
08A	Masonry/CMU	21,555								
08B	Exterior Glass - Storefronts and Windows	87,156								
09A	Doors, Frame and Hardware	15,900								
09B	Drywall, Carpentry and Ceilings	11,600								
09C	Stucco/Plastering	7,420								
10B	Painting	28,940								
26A	Aluminum Covered Walkways	29,140								
A1	Electrical and Fire Alarm	3,000								
A2	Canopy Signs Allowance	10,000								
	Storm Shutters Allowance (doors 101.1 and 2.178.1)									
	Construction Manager Fee	20,000								
	Builder's Risk Deductible Contingency (GC Article 31.2.1)	26,252								
	Construction Contingency	266,974								
	General Conditions / General Requirements Fee	13,126								
	Insurance and Bonds									
	Subguard / CDI	3,754								
	Liability Insurance	5,202								
	P & P Bond	3,609								
GRAND TOTALS		\$601,436	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	0.00%	\$0.00	\$0.00

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04 ATTACHMENT IV - SALARY AND WAGE SCHEDULE

On-site Management and Supervisory Personnel

Field Personnel
On-site Project Executive [TBD]
On-site Project Manager [Pablo Burgos]
On-site Project Engineer [TBD]
On-site Superintendent (DS) [TBD]
On-site Sr. Project Executive [Ted Cava]
On-site Area Safety Manager [John Rawlings]
On-site Division Quality Manager [TBD]
On-site Project Accountant [Candace Newell]
Purchasing Manager [Chris Beck]
Purchasing Manager Assistant [Sherri Puffenburger]

* Contractor reserves the right to modify personnel as they deem necessary

#	Activity ID	Activity Name	Orig Start	Orig Dur	Finish	Actual Duration	Total Fiscal
NORTHEAST HIGH SCHOOL - SCOPE FEEDBACK SPE							
EARLYWORK PACKAGE - GMP#1 (ADVERTISEISEMENT WITH BOARD APPROVAL)							
3	MILESTONES						
4	MILE-1070	100% CD Submitted to BD - ACAI	01-20-Mar-17 A	0		0	
5	MILE-1080	Building Department Issuance of Permit - BCPS	01-09-Jun-17 A	0		0	
6	MILE-1090	CM Issues ITB - GBCo	01-19-Jun-17 A	0		0	
7	MILE-1110	NTP Issued - BCPS	01-28-Sep-17	0		0	55
8	MILE-1120	Construction Start - GBCo	01-26-Dec-17	0		0	0
9	MILE-1160	TCC - GBCo/BCPS (SPE, Building 2, 8 and 10)	17-Jan-18*	0		0	0
10	MILE-1190	CO - Final Completion - GBCo (Canopy and Building 4)	16-Apr-18*	0		0	0
DESIGN/RECONSTRUCTION							
12	PRE-1970	50% DD Submission - ACAI	10-08-Feb-17 A	08-Feb-17 A		0	
13	PRE-1620	100% CD Submission and Review of 50% CD comments - ACAI	10-08-Feb-17 A	20-Mar-17 A		28	
14	PRE-1630	100% CD's Submitted to Building Department (BD) - ACAI	01-20-Mar-17 A			0	
15	PRE-1640	BD Review 100% CD - BCPS	01-21-Mar-17 A	30-Mar-17 A		7	
16	PRE-1650	Review of BD Comments - ACAI	01-31-Mar-17 A	28-Apr-17 A		20	
17	PRE-1660	Building Department Issuance of Permit SPE - BCPS	01-01-May-17 A	08-Jun-17 A		28	
18	PRE-2000	Advertisement - GBCo	27-14-Jun-17 A	19-Jul-17 A		24	
19	PRE-1680	Bids - GBCo	22-19-Jun-17 A	19-Jul-17 A		21	
20	PRE-1690	Bids Review - GBCo	01-20-Jul-17 A	18-Aug-17 A		21	
21	PRE-1700	GMP Development - GBCo	01-21-Aug-17 A	30-Aug-17		6	-2
22	PRE-1990	Board Approval - BCPS	01-30-Aug-17	06-Sep-17		0	0
23	PRE-1720	NTP Issued - BCPS	01-15-Sep-17	28-Sep-17		0	0
EXTERIOR DOOR, FRAMES AND HARDWARE							
24	PRE-2010	100% CD Review - BCPS	01-28-Mar-17 A	28-Apr-17 A		23	
25	PRE-2020	100% CD's Submitted to Building Department (BD) - ACAI	01-28-Apr-17 A	28-Apr-17 A		0	
26	PRE-2040	BD Review 100% CD - BCPS	01-01-May-17 A	04-May-17 A		3	
27	PRE-2050	Review of BD Comments - ACAI	01-05-May-17 A	12-May-17 A		5	
28	PRE-2060	Building Department Issuance of Permit DFH - BCPS	01-15-May-17 A	09-Jun-17 A		18	
PROCUREMENT							
30	PROC-2050	Contracts Issued - GBCo	01-15-Oct-17	20-Oct-17		0	0
31	PROC-2060	Submittals Issued DFH - GBCo	01-15-Oct-17	27-Oct-17		0	1
32	PROC-2110	Submittals Issued Canopy - GBCo	01-20-Oct-17	03-Nov-17		0	0
33	PROC-2150	Submittals Issued Misc. - GBCo	01-15-Oct-17	03-Nov-17		0	25
34	PROC-2160	Submittals Approved Misc. - BCPS/ACAI	01-10-Oct-17	03-Nov-17		0	25
35	PROC-2070	Submittals Approved DFH - BCPS/ACAI	01-20-Nov-17	28-Nov-17		0	1
36	PROC-2120	Fabrication/Delivery of Materials (Misc.) - GBCo	01-15-Oct-17	28-Nov-17		0	25
37	CON-2050	Fabrication/Delivery of DFH - GBCo	01-25-Nov-17	28-Dec-17		0	1
38	CON-2150	NEW - Fabrication/Delivery of Storefront Doors - GBCo	01-30-Nov-17	09-Feb-18		0	-40
39	CON-2160	Fabrication/Delivery of Canopy - GBCo	01-30-Nov-17	12-Mar-18		0	0

Finish Date: 16-Apr-18
 Data Date: 29-Aug-17
 Run Date: 29-Aug-17 10:01
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Remaining Work of Etc. ◆
 Actual Work ◆
 Remaining Work ◆
 Critical Remaining Work ◆
 Summary Milestones ◆

NORTHEAST HIGH SCHOOL - SCOPE FEEDBACK SPE

CONSTRUCTION SCHEDULE

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