

# Historic Architectural Review Commission

## Staff Report Item 5

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<b>Meeting Date:</b>	August 27, 2014
<b>Applicant:</b>	City of Key West/ Bermello Ajamil, Architects
<b>Application Number:</b>	H14-01-1100
<b>Address:</b>	Southwest corner of Truman Waterfront Park
<b>Description of Work:</b>	New pre-fabricated horse stables facilities.
<b>Site Facts:</b>	Truman Waterfront is a site of approximately 32 acres located on the west side of the historic district. The land was transferred by the Navy to the City of Key West. A Memorandum of Agreement was signed by the parts and includes, among others, land use limitations, setbacks, State Park access as well as specific requirements for Navy vehicular accesses through the land. Currently, the Police Department has horse stables in the site. On January 28, 2014 the Commission approved the demolition of the existing horse stables, which are attached to Navy building 1278.
<b>Guidelines Cited in Review:</b>	Additions, alterations and new construction (pages 36-38a), specifically guidelines for new construction.

### Staff Analysis

The Certificate of Appropriateness proposes the construction of a prefabricated free standing structure to be used as a horse stables facilities for the Police Department' horses and personnel. The horse stable requires space for at least five horses.

The structure will be prefabricated, one story height. The structure has three bays on its main façade or east side. The central bay will be the tallest portion of the building and will raise approximately 20' from ground. Windows and doors will be metal impact resistant units. Roof will be covered with silver color metal standing seam. Tubular galvanized panels, five feet tall, will be used in the exterior as part of the horse's corral. The proposed color for the building will be light blue.

### **Consistency with Guidelines**

The proposed design does not mimic nor is based on any structure found in the historic district. As a utilitarian structure, the architecture responds to the size and needs of the horses. The proposed scale and massing will not have an adverse impact in to the existing open area. The minimal exterior design is a reflect of the use of the structure. It is staff's opinion that the design conforms to the guidelines for new construction.

# Application



**CITY OF KEY WEST  
BUILDING DEPARTMENT  
CERTIFICATE OF APPROPRIATENESS**

APPLICATION # 07-01-2014 011100

OWNER'S NAME: The City of Key West DATE: 07/01/2014

OWNER'S ADDRESS: P.O. Box #1409, 3140 Flagler Ave. Key West Fl. 33040 PHONE #: 305-809-3973

APPLICANT'S NAME: Saul G. Suarez, R.A. PHONE #: 305-860-3772

APPLICANT'S ADDRESS: 2601 South Bayshore Drive, Suite #1000 Miami, FL.

ADDRESS OF CONSTRUCTION: South-west Corner of Truman Waterfront Park # OF UNITS N/A

**THERE WILL BE A FINAL INSPECTION REQUIRED UNDER THIS PERMIT**

**DETAILED DESCRIPTION OF WORK:**  
 New Horse Stable Facilities for the use by the City of Key West Mounted Police Department, which makes the Building 100% Utilitarian and Strictly Functional for the Care and Wellbeing of the Horses and the Police Officers that work with them on a daily schedule. The Basis of Design for this Project, is to use a Pre-fabricated and Pre-engineered Building Manufacturer, that only deals with this type of Facilities.

*Chapter 837.06 F.S.-False Official Statements – Whoever knowingly makes a false statement in writing with the intent to mislead a public servant in the performance of his or her official duty shall be guilty of a misdemeanor of the second degree punishable as provided for in s. 775.082 or 775.083*

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This application for Certificate of Appropriateness must precede applications for building permits, right of way permits, variances, and development review approvals. Applications must meet or exceed the requirements outlined by the Secretary of the Interior's Standards for Rehabilitation and Key West's Historic Architectural Guidelines.

Once completed, the application shall be reviewed by staff for completeness and either approved or scheduled for presentation to the Historic Architectural Review Commission at the next available meeting. The applicant must be present at this meeting. The filing of this application does not ensure approval as submitted.

Applications that do not possess the required Submittals will be considered incomplete and will not be reviewed for approval.

Date: July 1st, 2014  
 Applicant's Signature: *Saul G. Suarez*

Required Submittals	
<input type="checkbox"/>	TWO SETS OF SCALED DRAWINGS OF FLOOR PLAN, SITE PLAN AND EXTERIOR ELEVATIONS (for new buildings and additions)
<input type="checkbox"/>	TREE REMOVAL PERMIT (if applicable)
<input type="checkbox"/>	PHOTOGRAPHS OF EXISTING BUILDING (repairs, rehabs, or expansions)
<input type="checkbox"/>	PHOTOGRAPHS OF ADJACENT BUILDINGS (new buildings and additions)
<input type="checkbox"/>	ILLUSTRATIONS OF MANUFACTURED PRODUCTS TO BE USED SUCH AS SHUTTERS, DOORS, WINDOWS, PAINT COLOR CHIPS, AND AWNING FABRIC SAMPLES

**Staff Use Only**

Date: \_\_\_\_\_

Staff Approval: \_\_\_\_\_

Fee Due: \$ \_\_\_\_\_



# HISTORIC ARCHITECTURAL REVIEW COMMISSION USE ONLY

\*\*\*\*\*

Approved

Denied

Deferred

\_\_\_\_\_

Reason for Deferral or Denial:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

HARC Comments:

*Thomas waterfront*  
*Guidelines for new construction (pages 36-38a)*

Limit of Work Approved, Conditions of Approval and/or Suggested  
Changes:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Historic Architectural  
Review Commission

## Project Photos



# TRUMAN WATERFRONT PARK

The City of Key West  
HARC SUBMITTAL  
July 01, 2014

## HORSE STABLE FACILITIES



**BERMELLO AJAMIL  
& PARTNERS • INC**

Architecture • Engineering • Planning  
Interior Design • Landscape Architecture  
2801 South Bayshore Drive  
Suite 1000  
Miami, Florida 33133  
(305) 858-2050  
Fax (305) 860-3700



PREPARED FOR/OWNER:  
CITY OF KEY WEST, FL  
P. O. BOX 1409  
3140 FLAGLER AVENUE  
KEY WEST, FL 33041





**TRUMAN WATERFRONT PARK**  
The City of Key West  
HARC SUBMITTAL  
July 01, 2014

**HORSE STABLE FACILITIES**  
**PHOTOGRAPHS OF EXISTING SITE**  
**OVERALL AERIAL PHOTOGRAPH**







**TRUMAN WATERFRONT PARK**  
The City of Key West  
HARC SUBMITTAL  
July 01, 2014

**HORSE STABLE FACILITIES**  
**PHOTOGRAPHS OF EXISTING SITE**

PHOTOGRAPH # ①







**TRUMAN WATERFRONT PARK**  
The City of Key West  
HARC SUBMITTAL  
July 01, 2014

**HORSE STABLE FACILITIES**  
**PHOTOGRAPHS OF EXISTING SITE**

**PHOTOGRAPH # ②**







**TRUMAN WATERFRONT PARK**  
The City of Key West  
HARC SUBMITTAL  
July 01, 2014

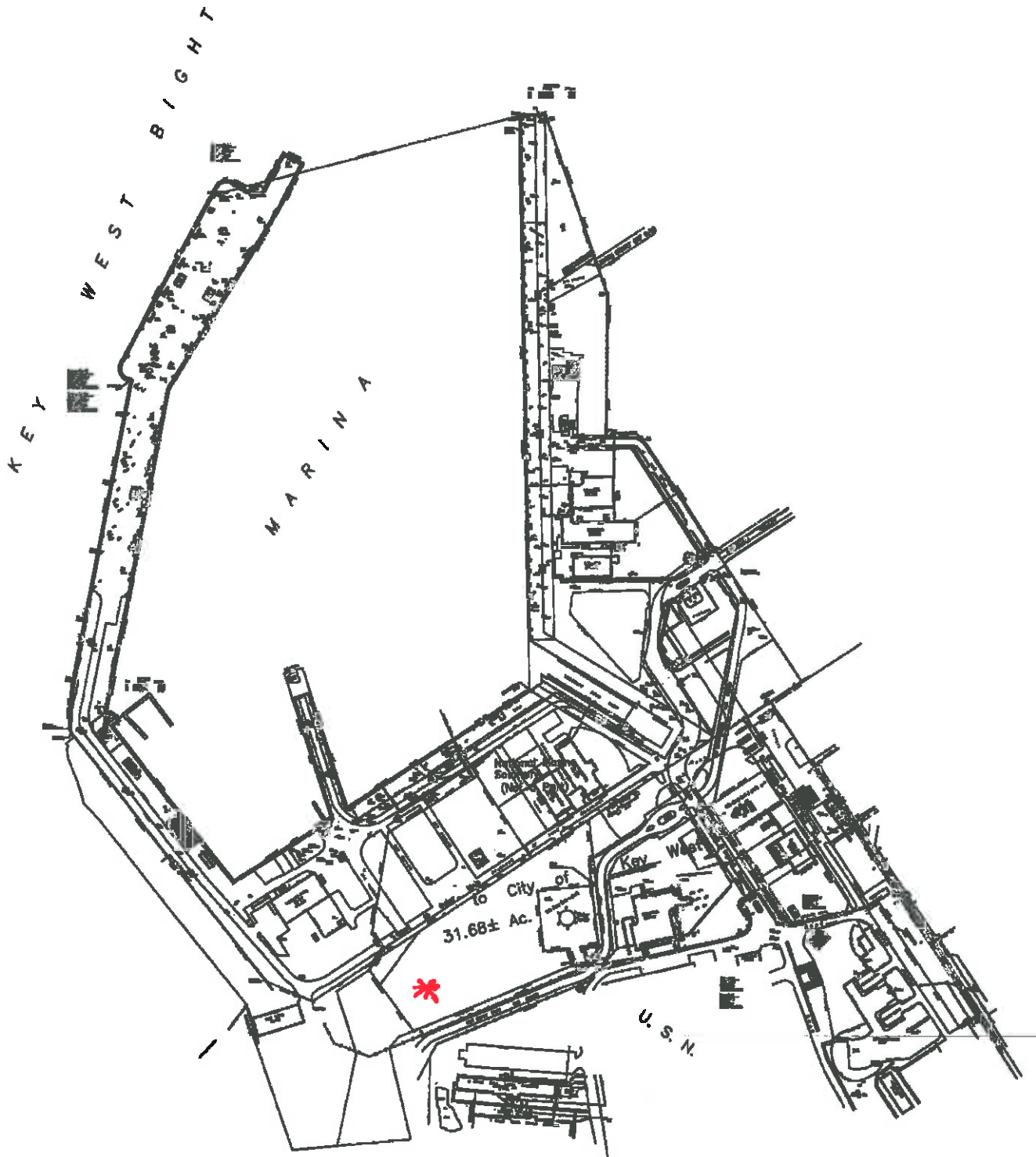
**HORSE STABLE FACILITIES**  
**PHOTOGRAPHS OF EXISTING SITE**

**PHOTOGRAPH # ③**



# Survey





KEY WEST BIGHT

MARINA

31.68 ± Ac.



to CITY of Key West

U. S. N.

# **Proposed design**





# TRUMAN WATERFRONT PARK

West of Fort Street and the Truman Annex Development,  
North of Key West Naval Base  
The City of Key West

HARC SUBMITTAL  
July 01, 2014

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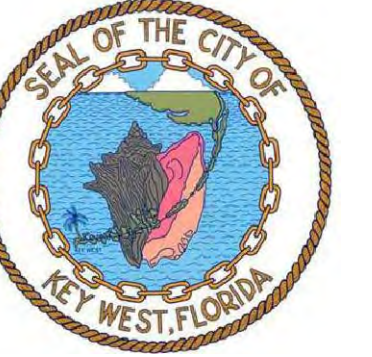




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PROJECT NAME:

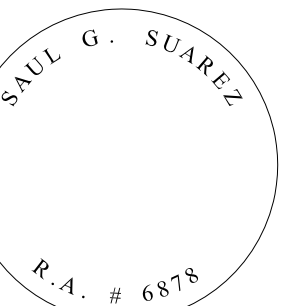
**TRUMAN WATERFRONT PARK**

PROJECT LOCATION/ADDRESS:

TRUMAN WATERFRONT PARK  
WEST OF FORT STREET AND THE  
TRUMAN ANNEX DEVELOPMENT,  
NORTH OF KEY WEST NAVAL BASE

SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



SUBMITTAL DESCRIPTION / MILESTONE:

**HARC - Submittal  
Not for Construction  
JULY 01, 2014**

REVISIONS:

DRAWING SHEET INFORMATION

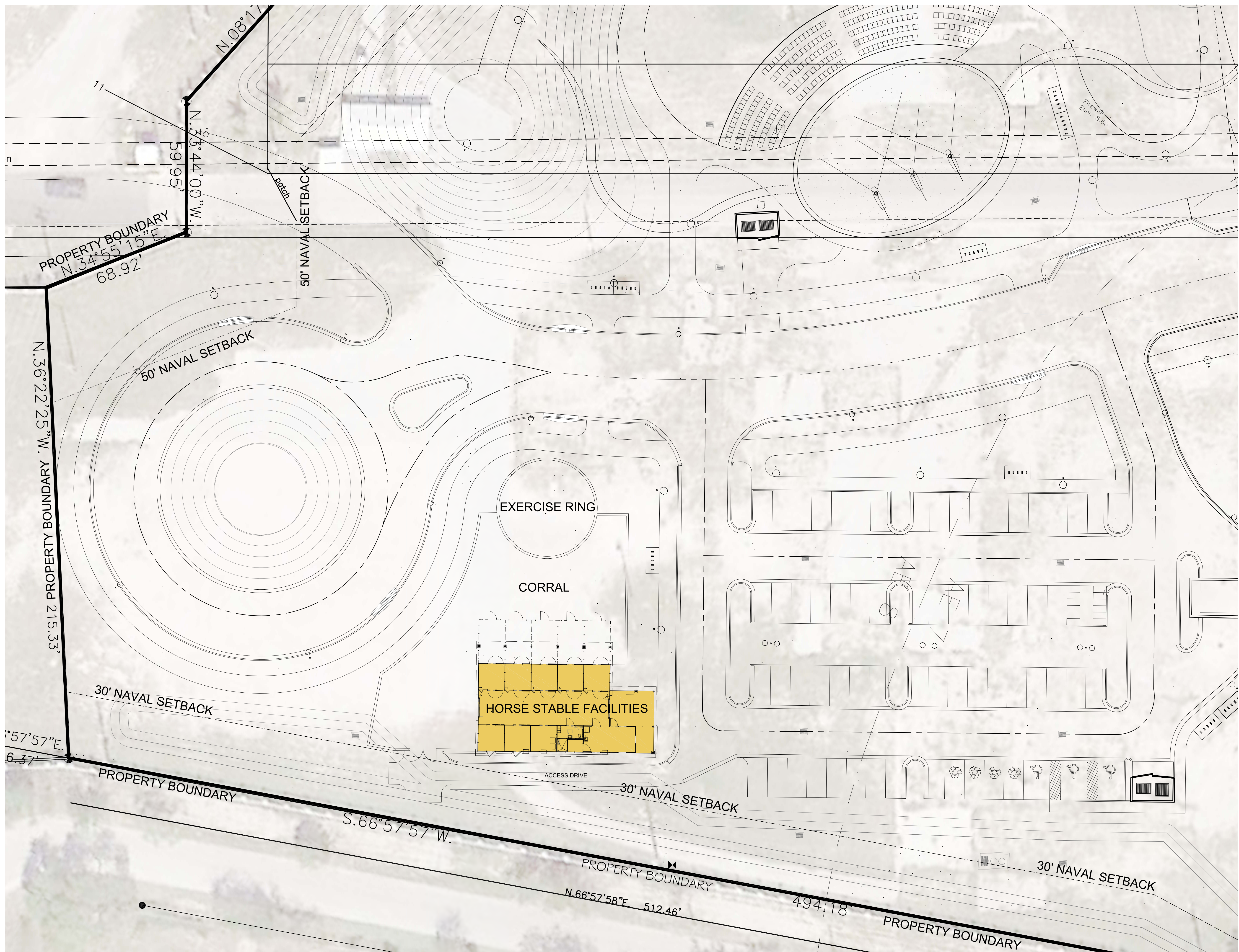
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DATE: July 01, 2014  
DRAWN BY: DP  
CHECKED BY: SGS  
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Task 2 Phase I CD\Arch\Bldg\HARC

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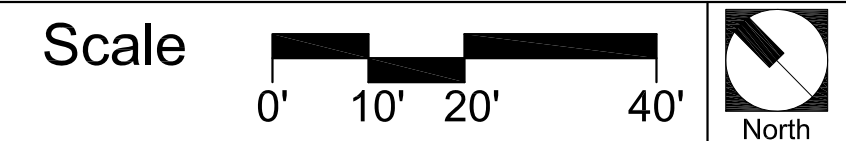
**HORSE STABLE  
SITE PLAN**

SHEET NO.

**A-01**



1 SITE PLAN  
A-01 SCALE: 1/4" = 1'-0"



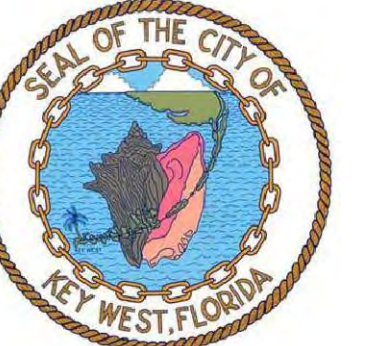




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PROJECT NAME:

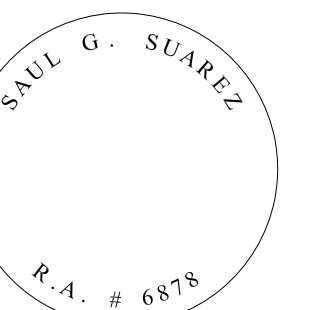
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SUBMITTAL DESCRIPTION / MILESTONE:

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REVISIONS:

DRAWING SHEET INFORMATION

BA PROJECT NO.: 14041

SCALE: 1/4" = 1'-0"

DATE: July 01, 2014

DRAWN BY: DP

CHECKED BY: SGS

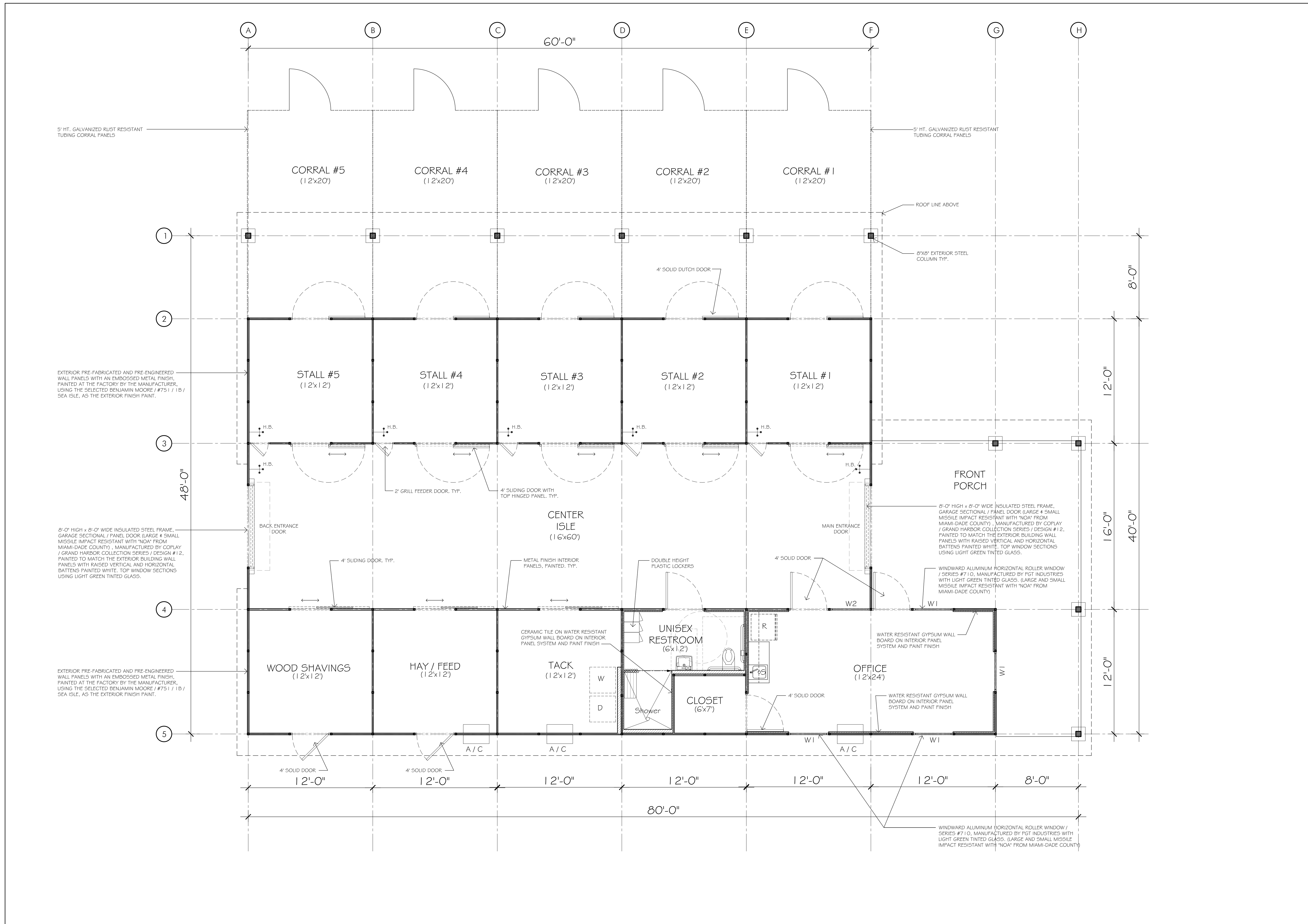
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Task 2 Phase 1 CD\Arch\Bldg\HARC

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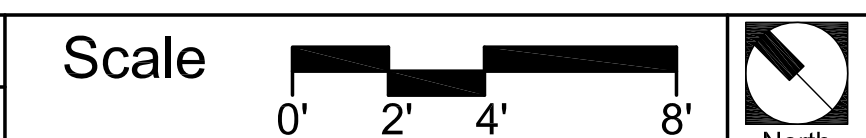
**HORSE STABLE  
FLOOR PLAN**

SHEET NO.

**A-02**



**1 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



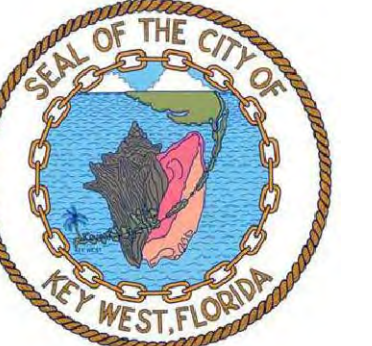


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PROJECT NAME:

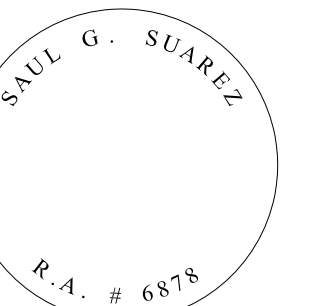
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PROFESSIONAL SEAL:



SUBMITTAL DESCRIPTION / MILESTONE:

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JULY 01, 2014**

REVISIONS:


DRAWING SHEET INFORMATION

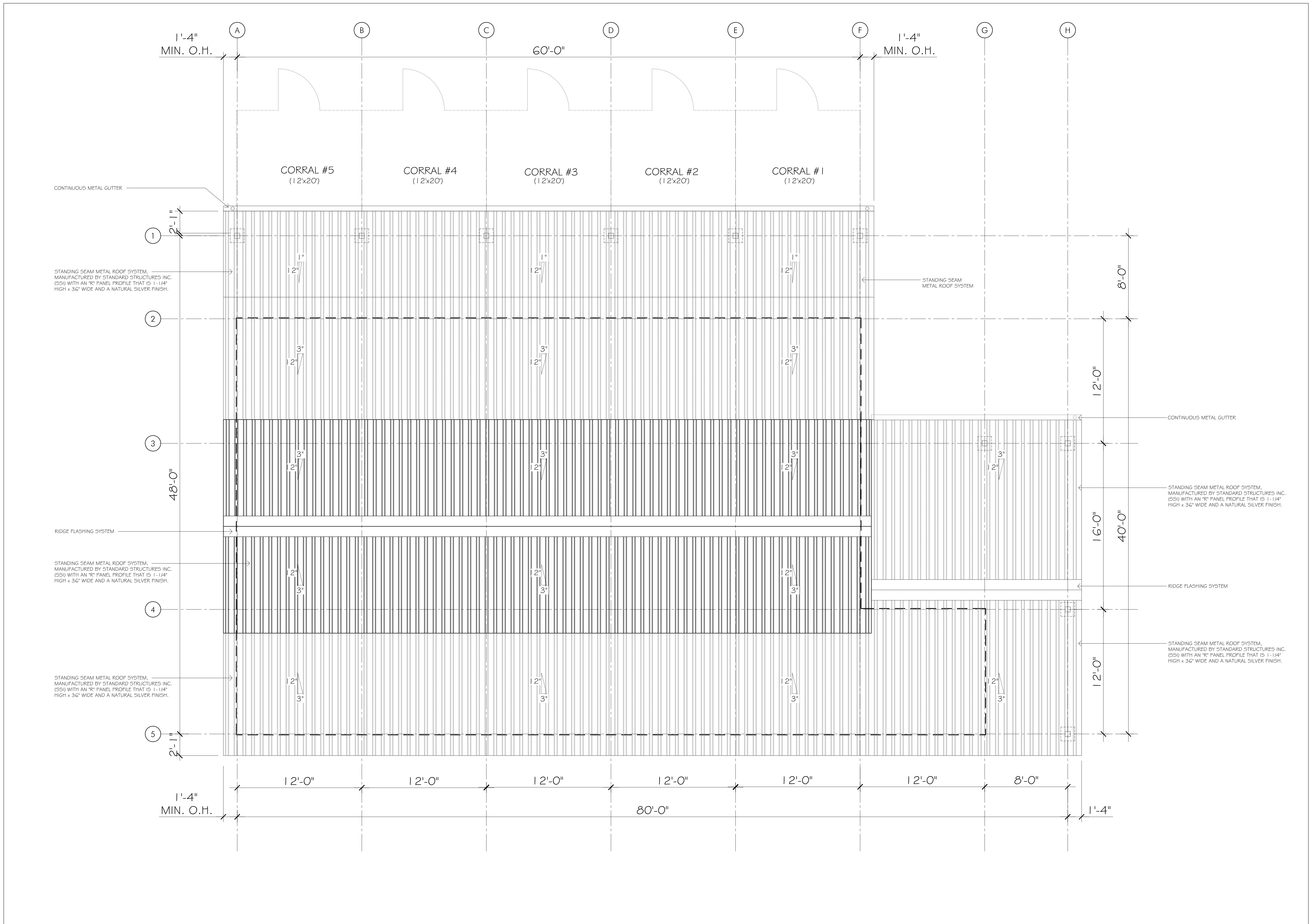
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Task 2 Phase 1 CD\Arch\Bldg\HARC

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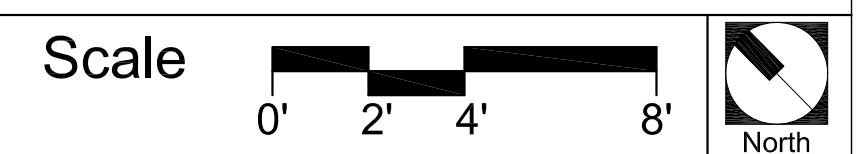
**HORSE STABLE  
ROOF PLAN**

SHEET NO.

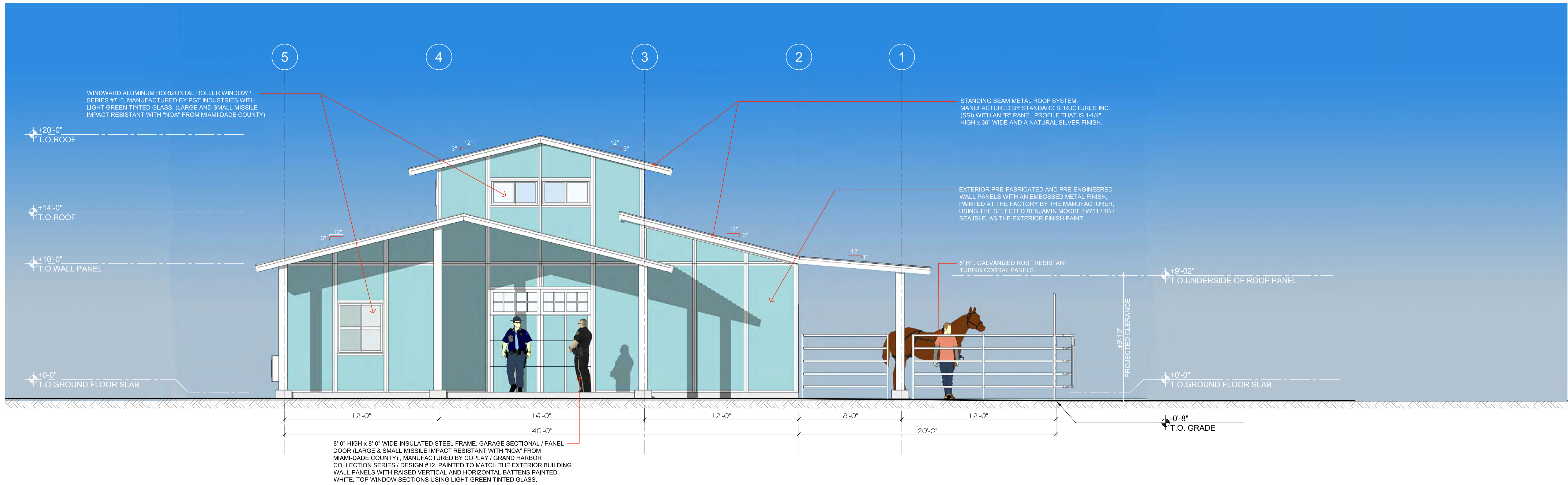
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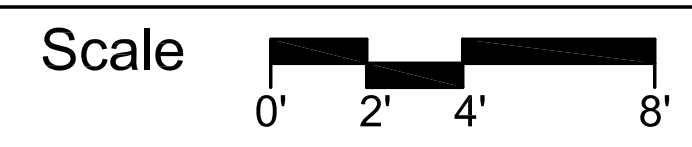
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A-03 **ROOF PLAN**  
SCALE: 1/4" = 1'-0"



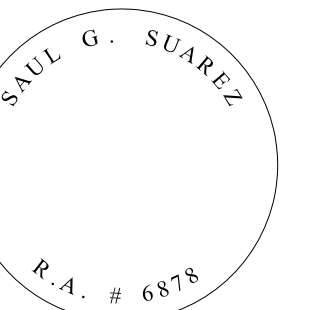
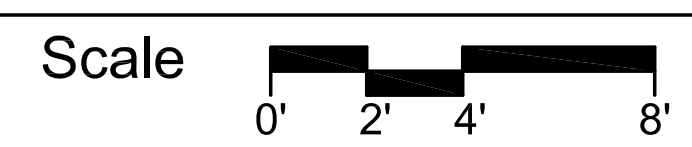




**1 EAST ELEVATION**  
SCALE: 1/4" = 1'-0"



**2 NORTH ELEVATION**  
SCALE: 1/4" = 1'-0"



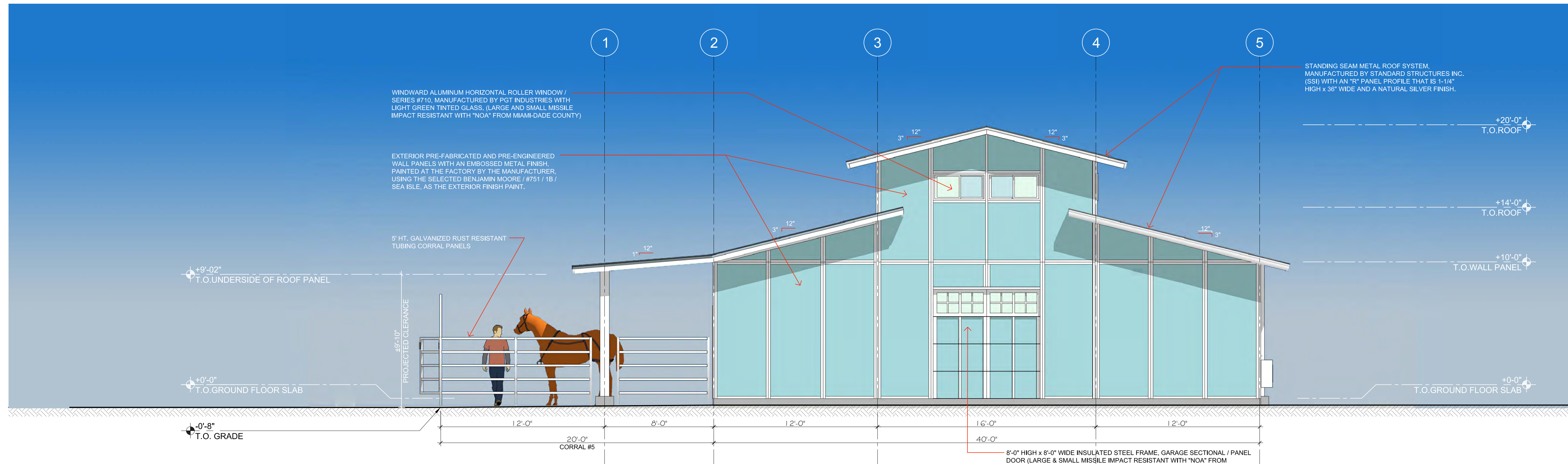
**HARC - Submittal Not for Construction JULY 01, 2014**

DRAWING SHEET INFORMATION

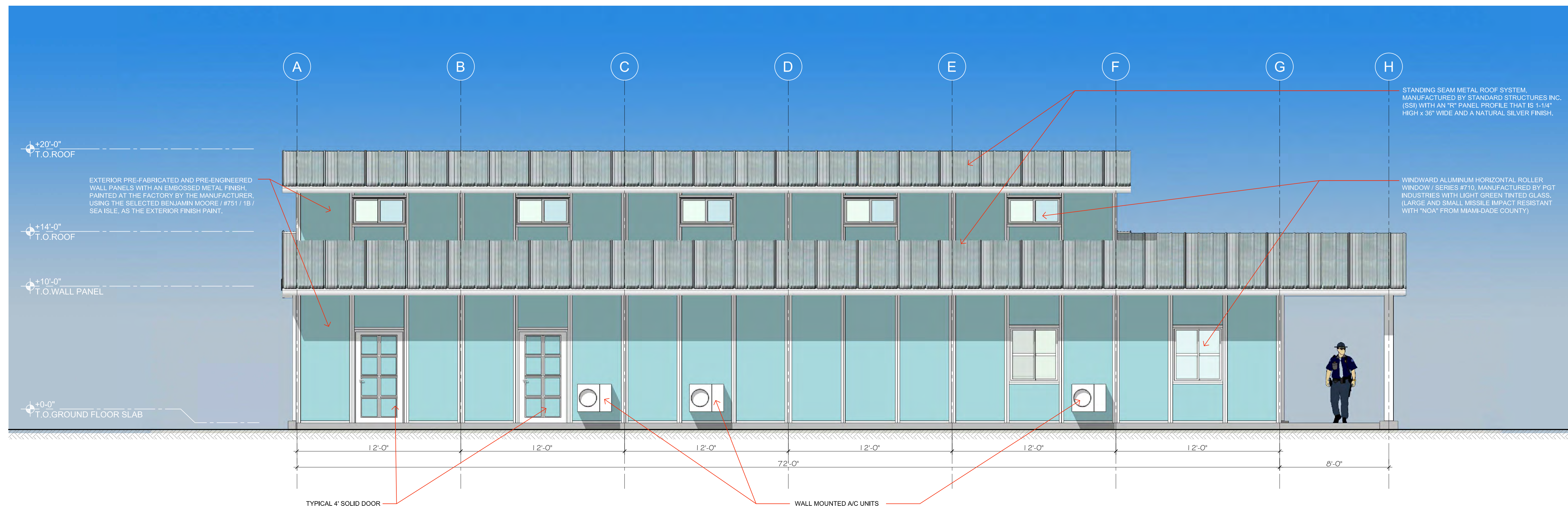
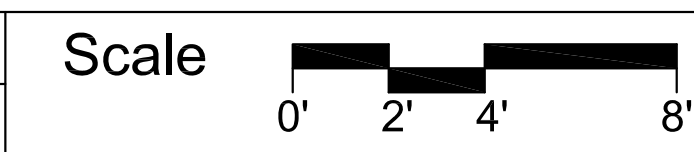
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DATE:	July 01, 2014
DRAWN BY:	DP
CHECKED BY:	SGS
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DRAWING TITLE:  
**HORSE STABLE ELEVATIONS**

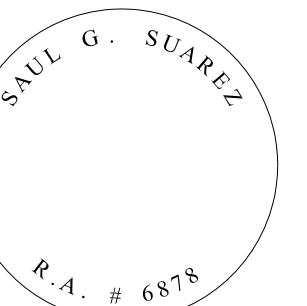
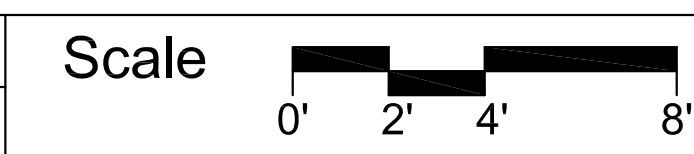




**1 WEST ELEVATION**  
SCALE: 1/4" = 1'-0"



**2 SOUTH ELEVATION**  
SCALE: 1/4" = 1'-0"



**HARC - Submittal  
Not for Construction  
JULY 01, 2014**

BA PROJECT NO.: 14041  
SCALE: 1/4" = 1'-0"  
DATE: July 01, 2014  
DRAWN BY: DP  
CHECKED BY: SGS  
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Task 2 Phase 1 CD\Arch\Bldg\HARC

**HORSE STABLE  
ELEVATIONS**

**A-05**





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PREPARED FOR/OWNER:

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P. O. BOX 1409  
3140 FLAGLER AVENUE  
KEY WEST, FL 33041



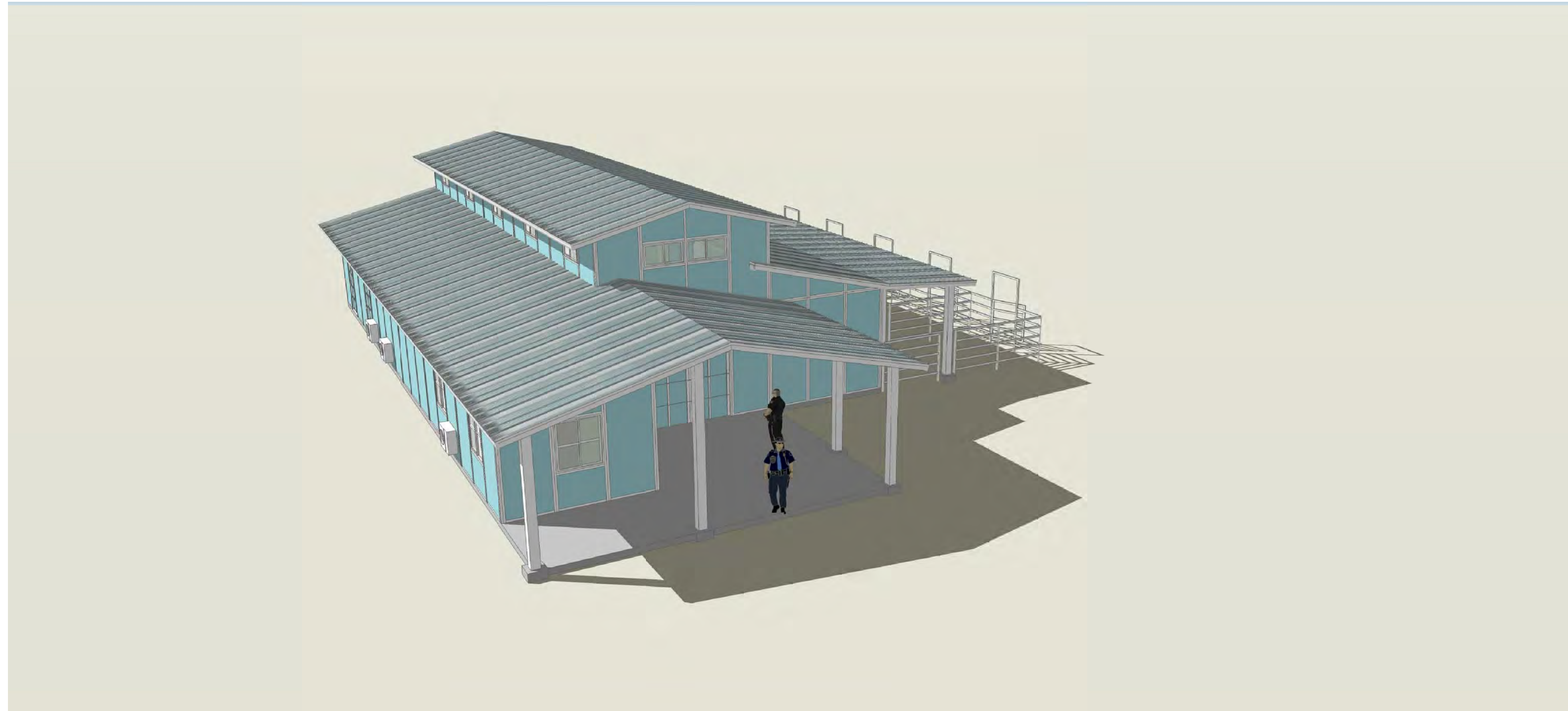
PROJECT NAME:

**TRUMAN  
WATERFRONT  
PARK**

PROJECT LOCATION/ADDRESS:

TRUMAN WATERFRONT PARK  
WEST OF FORT STREET AND THE  
TRUMAN ANNEX DEVELOPMENT,  
NORTH OF KEY WEST NAVAL BASE

SUB-CONSULTANT INFORMATION:



1 PERSPECTIVE - MAIN ENTRANCE

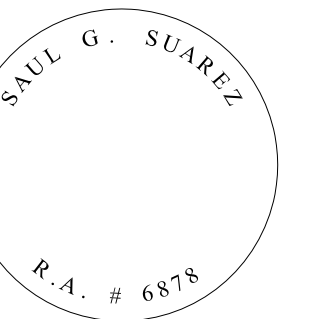
A-06 SCALE: NTS.



2 PERSPECTIVE - MAIN ENTRANCE

A-06 SCALE: NTS.

PROFESSIONAL SEAL:



SUBMITTAL DESCRIPTION / MILESTONE:

**HARC - Submittal  
Not for Construction  
JULY 01, 2014**

REVISIONS:


DRAWING SHEET INFORMATION

BA PROJECT NO.: 14041  
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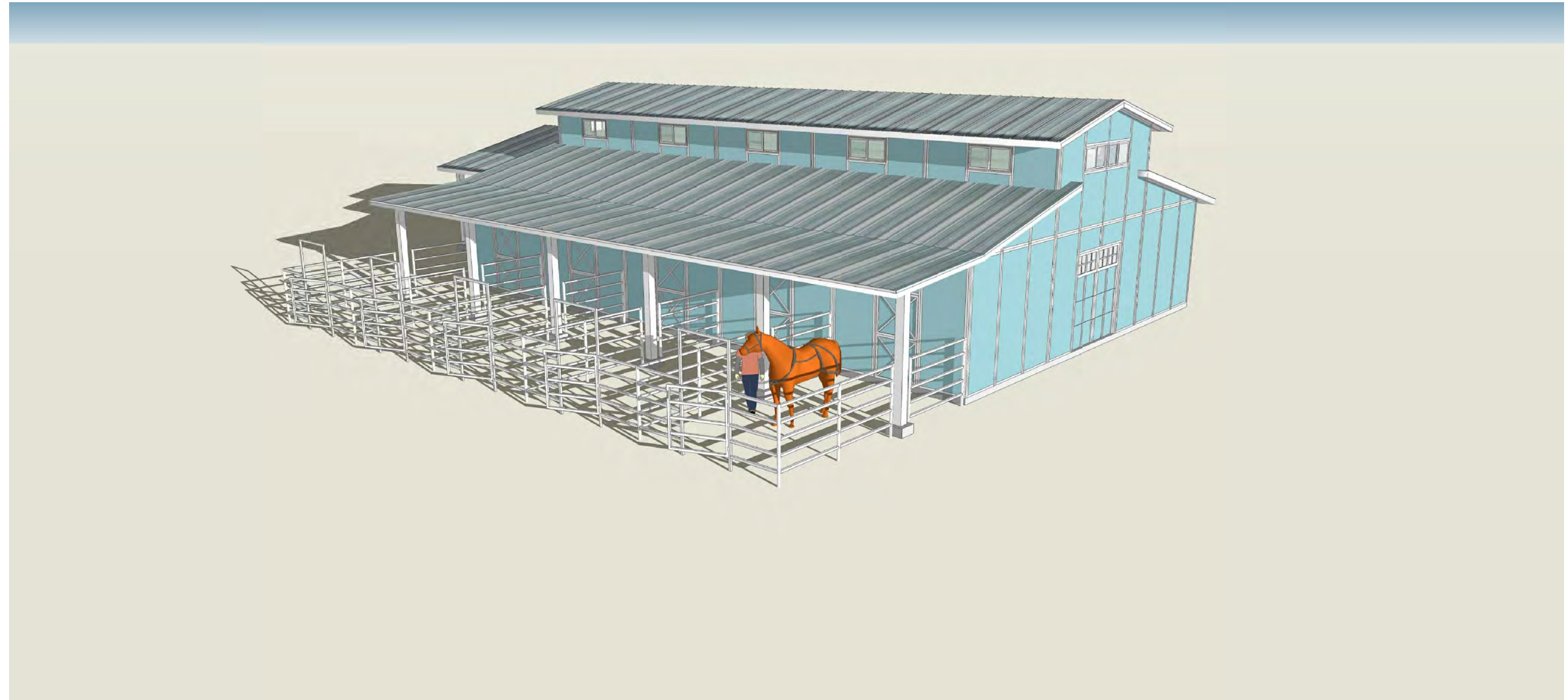
DRAWING TITLE:

**HORSE STABLE  
PERSPECTIVES**

SHEET NO.

**A-06**





1 PERSPECTIVE - BACK ENTRANCE  
A-07 SCALE: NTS.



2 PERSPECTIVE - BACK ENTRANCE  
A-06 SCALE: NTS



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PROJECT NAME:

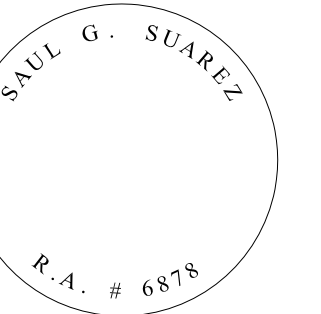
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PARK**

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SUB-CONSULTANT INFORMATION:

PROFESSIONAL SEAL:



SUBMITTAL DESCRIPTION / MILESTONE:

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JULY 01, 2014**

REVISIONS:


DRAWING SHEET INFORMATION

BA PROJECT NO.: 14041  
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DATE: July 01, 2014  
DRAWN BY: DP  
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CADD FILE: M:\14041 Truman Waterfront Park  
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DRAWING TITLE:

**HORSE STABLE  
PERSPECTIVES**

SHEET NO.

**A-07**





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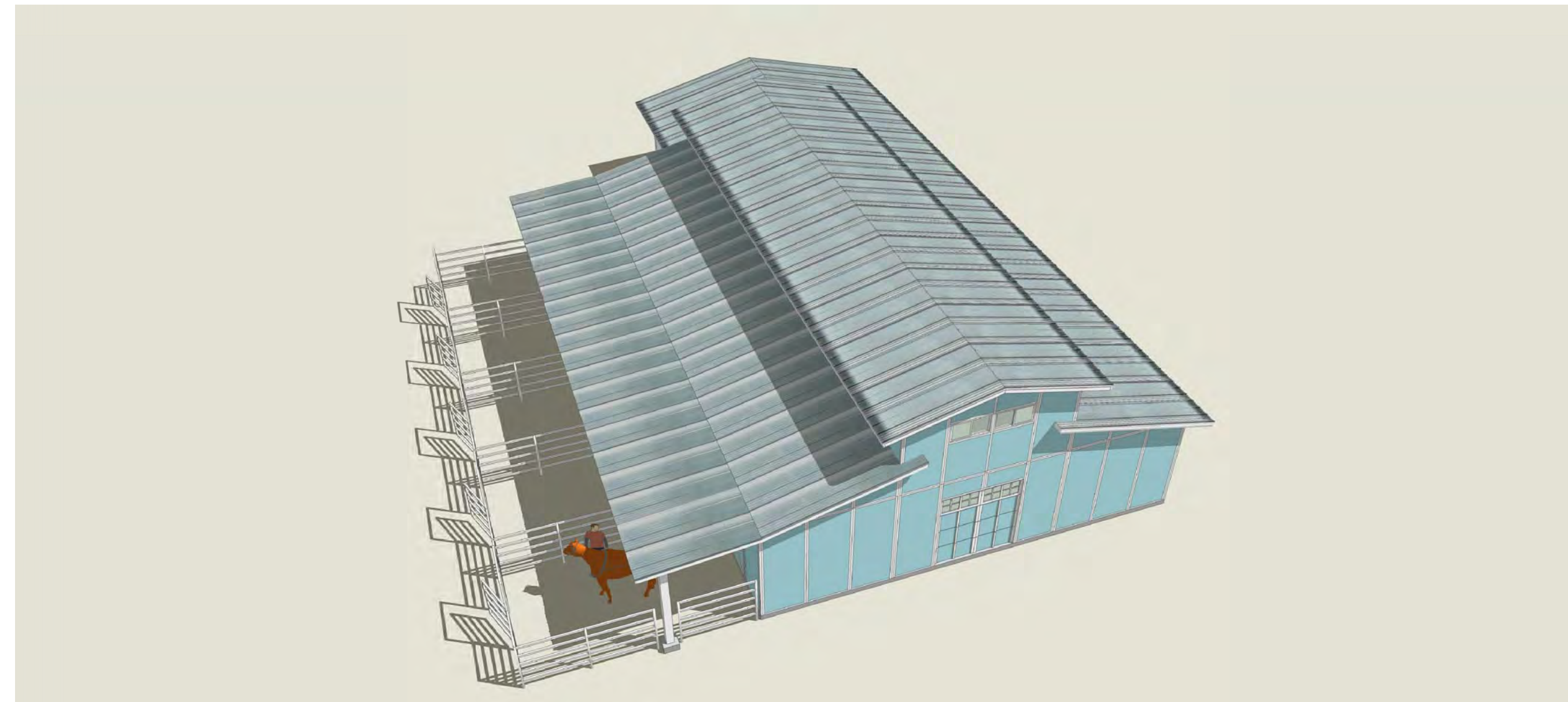


PROJECT NAME:

**TRUMAN  
WATERFRONT  
PARK**

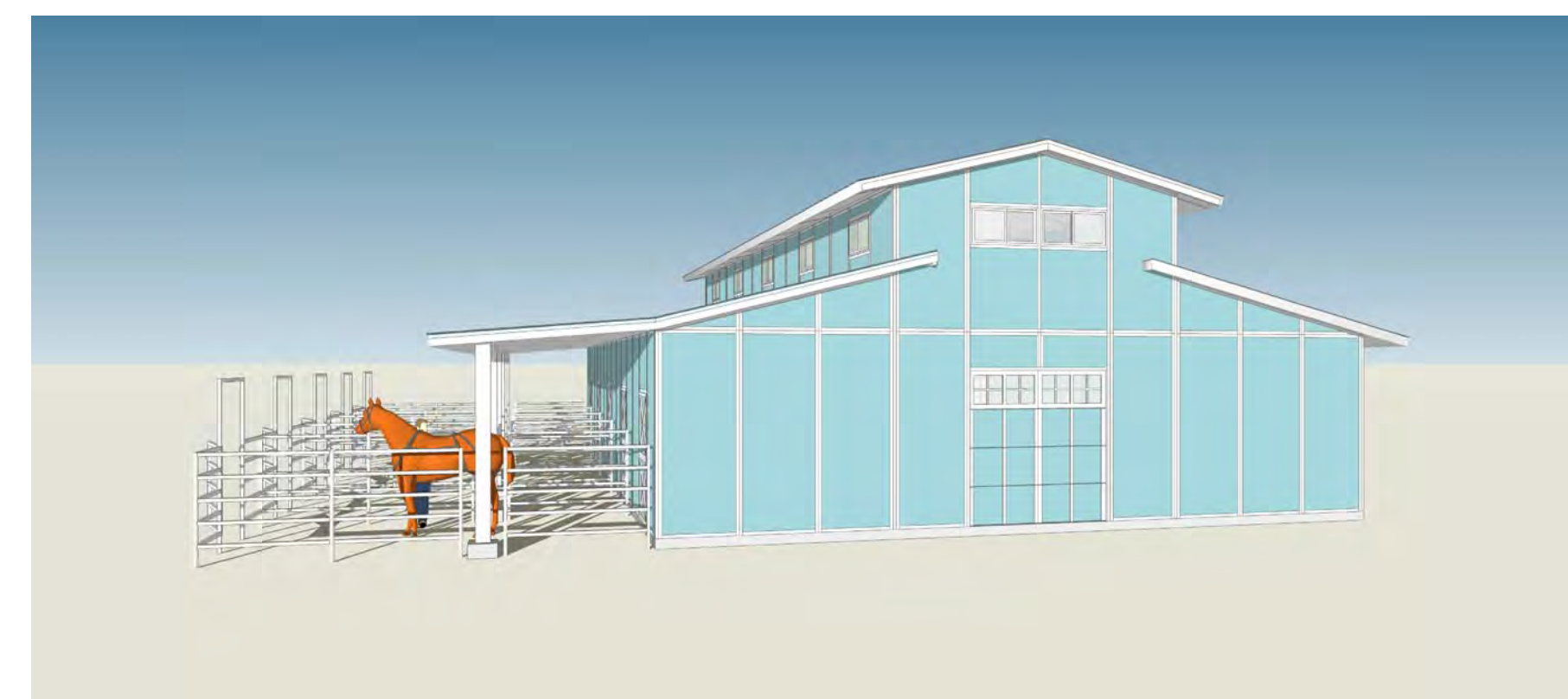
PROJECT LOCATION/ADDRESS:  
**TRUMAN WATERFRONT PARK  
WEST OF FORT STREET AND THE  
TRUMAN ANNEX DEVELOPMENT,  
NORTH OF KEY WEST NAVAL BASE**

SUB-CONSULTANT INFORMATION:



**1 PERSPECTIVE - AERIAL VIEW**

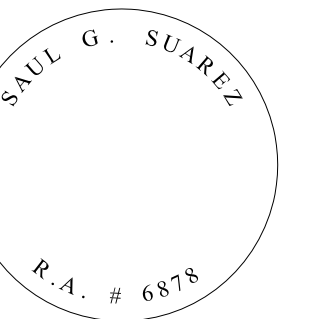
A-08 SCALE: NTS.



**2 PERSPECTIVES PEDESTRIAN VIEW**

A-08 SCALE: NTS.

PROFESSIONAL SEAL:



SUBMITTAL DESCRIPTION / MILESTONE:

**HARC - Submittal  
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JULY 01, 2014**

REVISIONS:

DRAWING SHEET INFORMATION

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CADD FILE: M:\14041 Truman Waterfront Park  
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DRAWING TITLE:

**HORSE STABLE  
PERSPECTIVES**

SHEET NO.

**A-08**





# TRUMAN WATERFRONT PARK

The City of Key West  
HARC SUBMITTAL  
July 01, 2014

## HORSE STABLE FACILITIES



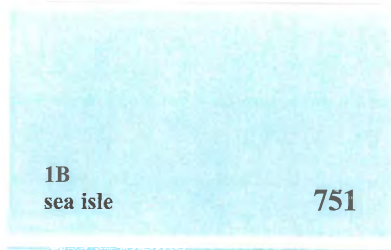
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PREPARED FOR OWNER:  
CITY OF KEY WEST, FL  
P. O. BOX 1409  
3140 FLAGLER AVENUE  
KEY WEST, FL 33041



EXTERIOR WALL PANELS / BUILDING COLOR :  
IT IS THE ARCHITECTURAL DESIGN INTENT TO HAVE THE  
PRE-FABRICATED AND PRE-ENGINEERED WALL PANELS WITH AN  
EMBOSSSED METAL FINISH ON ALL THE EXTERIOR SURFACES OF THE  
WALLS, PAINTED AT THE FACTORY BY THE MANUFACTURER, USING  
THE SELECTED BENJAMIN MOORE / #751 / 1B / SEA ISLE, AS THE  
EXTERIOR FINISH PAINT. SEE ATTACHED ORIGINAL COLOR CHIP.



**TRUMAN WATERFRONT PARK**  
The City of Key West  
**HARC SUBMITTAL**  
July 01, 2014

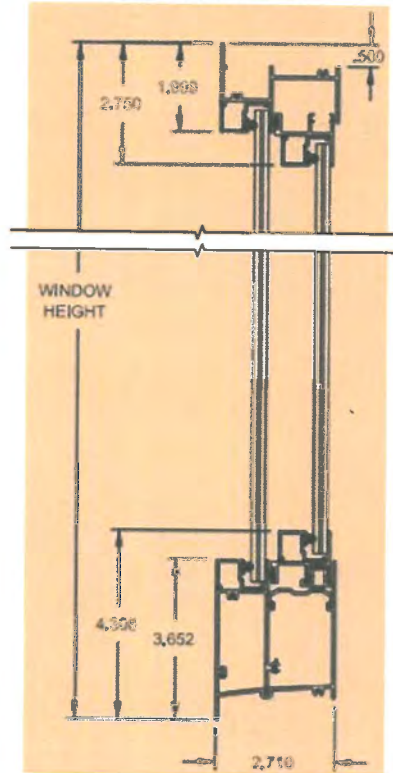
**HORSE STABLE FACILITIES**  
**EXTERIOR WALL PANELS / BUILDING COLOR**



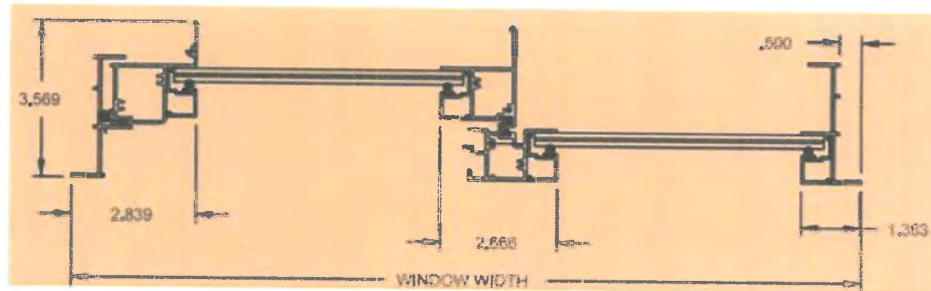


**HORIZONTAL ROLLER WINDOWS:**

IT IS THE ARCHITECTURAL DESIGN INTENT TO SPECIFY A WINGUARD ALUMINUM HORIZONTAL ROLLER WINDOW / SERIES #710, MANUFACTURED BY PGT INDUSTRIES WITH A WHITE ESP FINISH AND LIGHT GREEN TINTED GLASS. THE WINDOWS WILL HAVE TWO DIFFERENT DIMENSIONS, A +48" WIDE X +48" HIGH WINDOW AT THE GROUND FLOOR AND A +48" WIDE X +36" HIGH WINDOW AT THE CLEARSTORY LEVEL. THESE WINDOWS ARE LARGE AND SMALL MISSILE IMPACT RESISTANT WITH A NOTICE OF ACCEPTANCE (NOA) FROM MIAMI-DADE COUNTY. (See Attached Illustrations and Specifications).



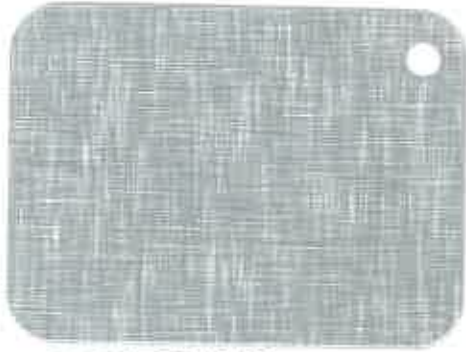
**COLONIAL GRID PATTERN**



**TRUMAN WATERFRONT PARK**  
 The City of Key West  
 HARC SUBMITTAL  
 July 01, 2014

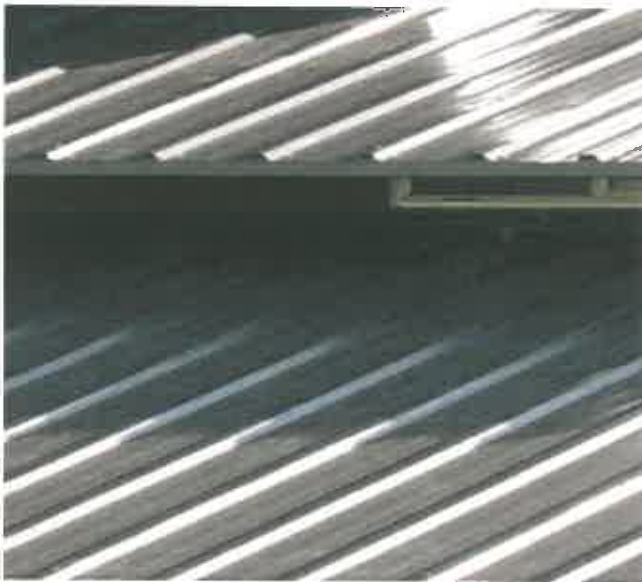
**HORSE STABLE FACILITIES**  
**HORIZONTAL ROLLER WINDOWS**





**ROOF MATERIAL AND COLOR:**  
IT IS THE ARCHITECTURAL DESIGN INTENT TO SPECIFY A STANDING SEAM METAL ROOF SYSTEM, MANUFACTURED BY STANDARD STRUCTURES INC. (SSI) WITH AN "R" PANEL PROFILE THAT IS 1¼" HIGH X 36" WIDE (See illustration) AND A NATURAL SILVER FINISH FROM THE ACTUAL AND NATURAL 29 GA. ZINCALUME STEEL PANELS. (See Color Sample).

**SSI** STANDARD  
STRUCTURES  
INC.  
MANUFACTURER OF METAL BUILDINGS & COMPONENTS  
402-580-5353



**TRUMAN WATERFRONT PARK**  
The City of Key West  
HARC SUBMITTAL  
July 01, 2014

**HORSE STABLE FACILITIES**  
ROOF MATERIAL AND COLOR







DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY  
AFFAIRS (PERA)  
BOARD AND CODE ADMINISTRATION DIVISION  
**NOTICE OF ACCEPTANCE (NOA)**

MIAMI-DADE COUNTY, FLORIDA  
PRODUCT CONTROL SECTION  
11805 SW 26<sup>th</sup> Street, Room 208  
Miami, Florida 33175-2474  
T (786) 315-2590 F (786) 315-2599  
[www.miamidade.gov/pera/](http://www.miamidade.gov/pera/)

**PGT Industries, Inc.**  
1070 Technology Drive  
North Venice, FL 34275

**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 PERA -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. PERA 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 "HR-710" Aluminum Horizontal Sliding Window - L.M.I.**

**APPROVAL DOCUMENT:** Drawing No. 4127-10, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "E" dated 10/17/2011, prepared by PGT Industries, Inc., dated 02/01/2012, signed and sealed by Anthony Lynn Miller, 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.**

**LABELING:** Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/ 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 NOA No. 11-0630.02 and consists of this page 1, evidence pages E-1, E-2 and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P. E.**



*J. Gascon*  
*2/3/12*

NOA No. 11-1114.04  
Expiration Date: December 21, 2016  
Approval Date: February 16, 2012  
Page 1



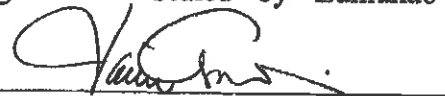
**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**A. DRAWINGS**

1. Manufacturer's die drawings and sections.  
*(Submitted under NOA's No.'s 07-0815.09 and 06-0405.06)*
2. Drawing No. 4127-10, titled "Alum. Horizontal Roller Window, Impact", sheets 1 through 11 of 11, dated 02/28/2006 with the latest revision "E" dated 10/17/2011, prepared by PGT Industries, Inc., dated 02/01/2012, signed and sealed by Anthony Lynn Miller, P. E.

**B. TESTS**

1. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94  
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94  
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-5330, dated 07/18/2007, signed and sealed by Carlos S. Rionda P. E.  
*(Submitted under NOA No. 07-0815.09)*
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
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, Type "C" sliding window, Grade 10, per FBC 2411 3.2.1, TAS 202-94 and per ASTM F 842-04  
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-4858, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA No. 06-0405.06)*
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94  
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94  
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, Type "C" sliding window, Grade 10, per FBC 2411 3.2.1, TAS 202-94 and per ASTM F 842-04  
Along with marked-up drawings and installation diagram of XOX aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. FTL-4859, dated 03/08/2006, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA No. 06-0405.06)*



Jaime D. Gascon, P. E.  
Product Control Section Supervisor  
NOA No. 11-1114.04  
Expiration Date: December 21, 2016  
Approval Date: February 16, 2012

**PGT Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**C. CALCULATIONS**

1. Anchor verification calculations and structural analysis, complying with FBC, prepared by PGT Industries, Inc., dated 10/26/06, signed and sealed by Robert L. Clark, P. E.  
*(Submitted under previous NOA No. 07-0815.09)*
2. Complies with ASTM E1300-98/ 04

**D. QUALITY ASSURANCE**

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

**E. MATERIAL CERTIFICATIONS**

1. Notice of Acceptance No. 11-0624.01 issued to E.I. DuPont DeNemours & Co., Inc. for their "DuPont Butacite® PVB Interlayer" dated 09/08/11, expiring on 12/11/16.
2. Notice of Acceptance No. 08-0206.01 issued to Solutia Inc. for their "Saflex HP Glass Interlayer" dated 04/17/2008, expiring on 04/17/2013.

**F. STATEMENTS**

1. Statement letter of conformance and compliance with the FBC-2007 (with the 2009 supplement) and FBC-2010, dated 10/25/11, signed and sealed by Anthony Lynn Miller, P. E.
2. Statement letter of no financial interest and independence, dated 10/25/11, signed and sealed by Anthony Lynn Miller, P. E.
3. Letter of *Adoption of as his Own, the Work of another Engineer* per Section 61G15-27.001 of the F.B.P.E., dated 10/07/11 signed and sealed by Anthony Lynn Miller, P. E.
4. Statement letter of no financial interest, conformance and compliance with the FBC-2007, dated 06/29/2011, signed and sealed by Robert L. Clark, P. E.  
*(Submitted under previous NOA No. 11-0630.02)*
5. Laboratory compliance letter for Test Report No. FTL-5330, issued by Fenestration Testing Laboratory, Inc., dated 07/18/2007, signed and sealed by Carlos S. Rionda, P.E.  
*(Submitted under previous NOA No. 07-0815.09)*



Jaime D. Gascon, P. E.

Product Control Section Supervisor

NOA No. 11-1114.04

Expiration Date: December 21, 2016

Approval Date: February 16, 2012

**PGT Industries, Inc.**

**NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**

**F. STATEMENTS (CONTINUED)**

6. Laboratory compliance letter for Test Reports No.'s **FTL-4858** and **FTL-4859**, issued by Fenestration Testing Laboratory, Inc., dated 03/08/2006, signed and sealed by Edmundo Largaespada, P. E.  
*(Submitted under NOA No. 06-0405.06)*

**G. OTHERS**

1. Notice of Acceptance No. **11-0630.02**, issued to PGT Industries, Inc. for their Series "HR-710 Aluminum Horizontal Roller Window - L.M.I.", approved on 08/18/2011 and expiring on 12/21/2016.



**Jaime D. Gascon, P. E.**  
**Product Control Section Supervisor**

**NOA No. 11-1114.04**

**Expiration Date: December 21, 2016**

**Approval Date: February 16, 2012**

**GENERAL NOTES: IMPACT HORIZONTAL ROLLER FLANGED AND INTEGRAL FIN WINDOW**

1. GLAZING OPTIONS: (SEE DETAILS ON SHEET 2). FOR INSTALLATION ABOVE 30 FT. GLASS TYPES G THRU L MUST HAVE A TEMPERED GLASS CAP.
  - A. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - B. 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - C. 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - D. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - E. 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - F. 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - G. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - H. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (1) LITE OF 1/8" ANNEALED GLASS AND (1) LITE OF 1/8" HEAT STRENGTHENED GLASS WITH A .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - I. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 5/16" OR 3/8" AIR SPACE AND 5/16" LAMI CONSISTING OF (2) LITES OF 1/8" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - J. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" ANNEALED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - K. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.
  - L. 13/16" LAMI IG: (1) LITE OF 1/8" OR 3/16" ANNEALED (MIN.) GLASS, 3/16" OR 1/4" AIR SPACE AND 7/16" LAMI CONSISTING OF (2) LITES OF 3/16" HEAT STRENGTHENED GLASS WITH AN .090 DUPONT BUTACITE OR SAFLEX/KEEPSAFE MAXIMUM PVB INTERLAYER.

2. CONFIGURATIONS: OX, XO, XOX

3. DESIGN PRESSURES: (SEE TABLES, SHEET 3)

- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
- B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.

4. ANCHORAGE: THE 33 1/3% STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT. SEE SHEETS 8 THROUGH 11 FOR ANCHORAGE DETAILS.

5. SHUTTERS ARE NOT REQUIRED.

6. FRAME AND PANEL CORNERS SEALED WITH NARROW JOINT SEALANT OR GASKET.

7. REFERENCES: TEST REPORTS FTL-4858, FTL-4859 AND FTL-5330.  
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05  
ANSI/AF&PA NDS-2006 FOR WOOD CONSTRUCTION  
ADM-2005 ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, INCLUDING THE HIGH VELOCITY HURRICANE ZONE (HVHZ).

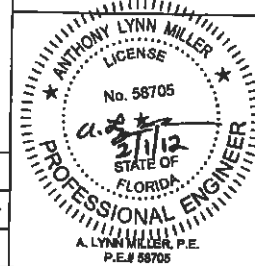


9. FOR INSTALLATION IN THE HVHZ ABOVE 30 FT, GLASS TYPES G - L SHALL HAVE A TEMPERED I.G. GLASS CAP. BOTH THE DP AND ANCHOR QUANTITY REMAIN UNCHANGED.

**NOA DRAWING MAP**

SHEET	
GENERAL NOTES.....	1
GLAZING DETAILS.....	2
DESIGN PRESSURES.....	3
ELEVATIONS.....	4
VERT. SECTIONS.....	5
HORIZ. SECTIONS.....	5
PARTS LIST.....	6
EXTRUSIONS.....	7
CORNER DETAIL.....	8
ANCHORAGE.....	8-11

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1114-04  
Expiration Date 12/31/2016  
By *[Signature]*  
Miami Based Product Center

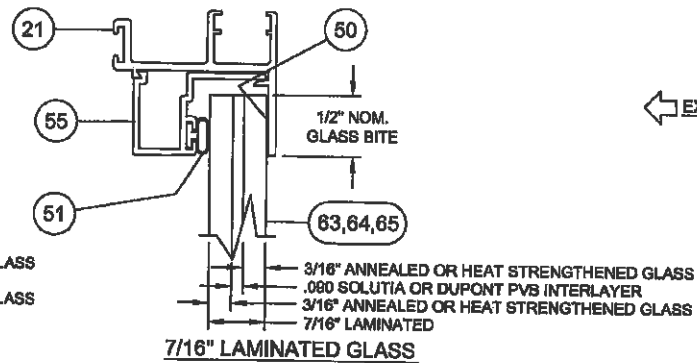
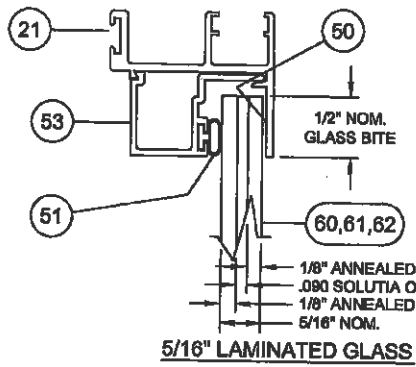


Revised By: J.J.	Date: 10/17/11	Revision: E	FBC 2010 CODE CHANGE
Revised By: J.R.	Date: 8/20/11	Revision: D	ADDED IG CAP TO BE TEMPERED @ 130FT NOTE.
Revised By: F.K.	Date: 4/18/07	Revision: C	ADD FTL-5330 TO NOTES 7 & CHG. NOTE 8 TO CURRENT EDIT.
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

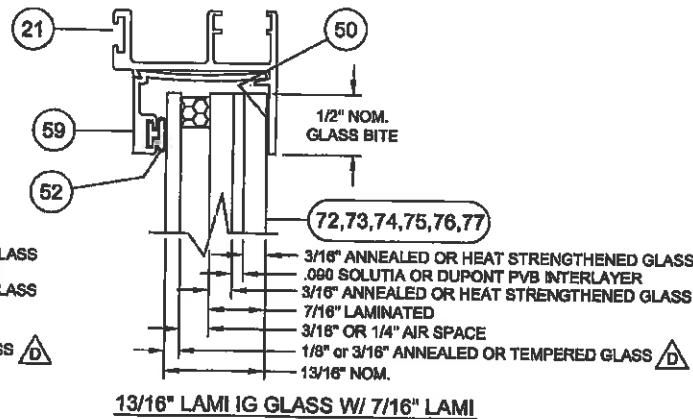
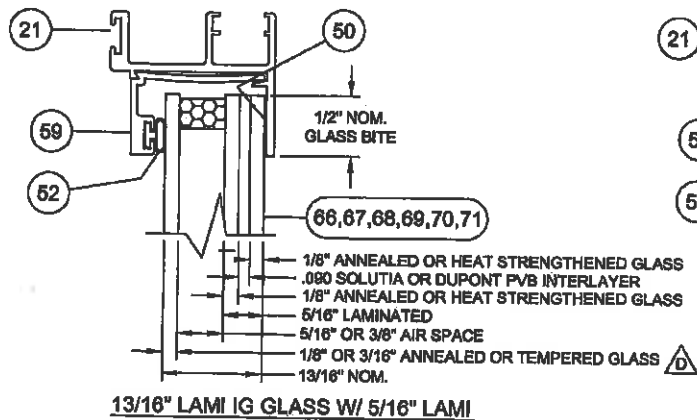
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1829  
NOKOMIS, FL 34274



Description: GENERAL NOTES			
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT			
Section/Sheet:	Scale:	Sheet:	Drawing No.:
HR710	NTS	1 of 11	4127-10
			Rev: E



← EXTERIOR INTERIOR →  
(ALL SECTIONS)



△ FOR INSTALLATION IN THE HVHZ ABOVE 30 FT, GLASS TYPES G - L SHALL HAVE A TEMPERED I.G. GLASS CAP. BOTH THE DP AND ANCHOR QUANTITY TO REMAIN UNCHANGED.

Revised By: J.J.	Date: 10/17/11	Revised: E	NO CHANGE THIS SHEET
Revised By: J.R.	Date: 6/20/11	Revised: D	ADDED IG CAP TO BE TEMPERED @ 130FT NOTE.
Revised By: F.K.	Date: 4/16/07	Revised: C	NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 2/28/08	Checked By: J.J.	Date: 3/23/08

1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34275  
P.O. BOX 1639  
NOKOMIS, FL 34274

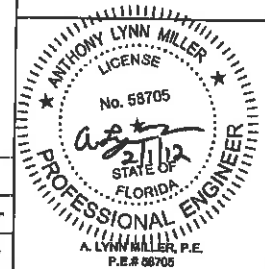
**PGT**  
Visibly Better

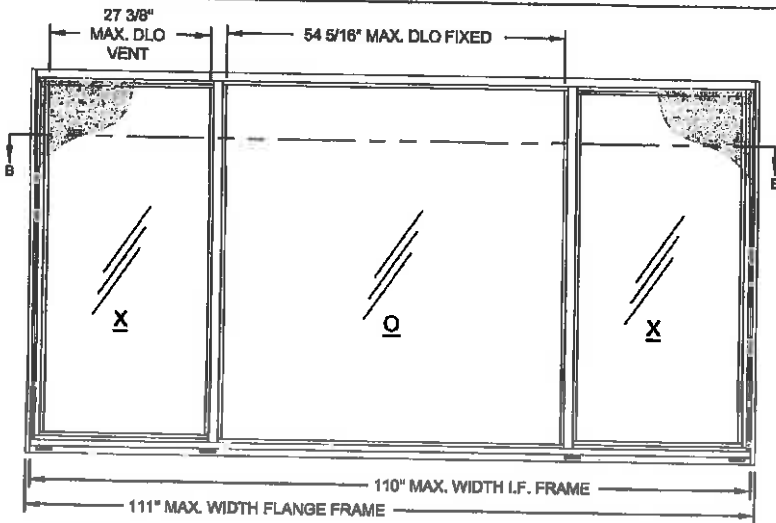
GLAZING DETAILS

ALUM. HORIZONTAL ROLLER WINDOW, IMPACT

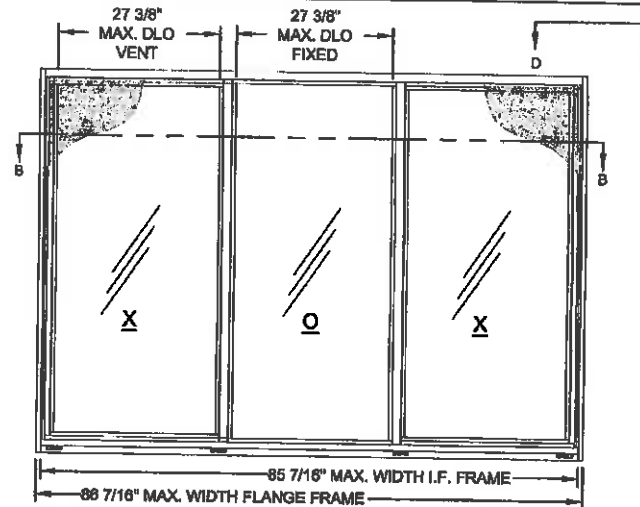
Product Code: HR710	Series: Full	Quantity: 2 x 11	Ordering No.: 4127-10	Rev: E
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PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11111111111111111111  
Expiration Date: 12/11/2016  
By: [Signature]  
Miami Dade Product Control

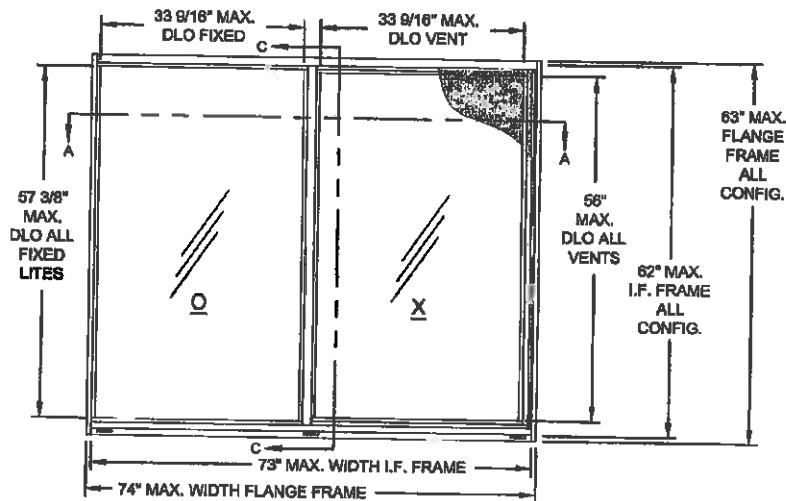




DETAIL B - XO (1/4-1/2-1/4)



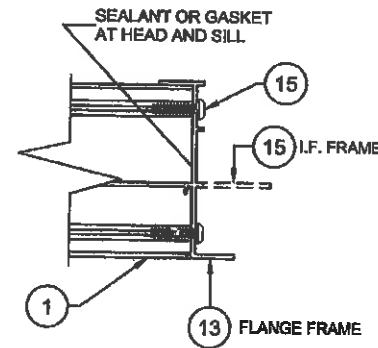
DETAIL C - XO (1/3-1/3-1/3)



DETAIL A - OX OR XO

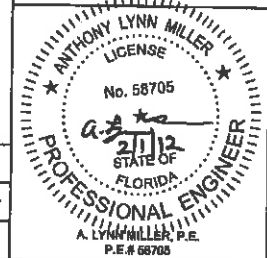
**NOTE:**

1. SEE SHEET 5 FOR VERTICAL AND HORIZONTAL SECTION DETAILS.



VIEW D-D  
(FRAME CORNER CONSTRUCTION)

PRODUCT REVISED  
in compliance with the Florida  
Building Code  
Acceptance No. 11-1114.04  
Expiration Date 12/21/2016  
By *[Signature]*  
Miami Dade Product Control



Prepared By: J.J.	Date: 10/17/11	Revised By: E	Date: NO CHANGE THIS SHEET
Prepared By: J.R.	Date: 6/20/11	Revised By: D	Date: NO CHANGE THIS SHEET
Prepared By: F.K.	Date: 4/18/07	Revised By: C	Date: ADD INTEGRAL FIN FRAME MAX. DIMENSIONS AND CORNER CONSTRUCTION DETAIL FROM SHIT. 6.
Checked By: F.K.	Date: 2/22/08	Checked By: J.J.	Date: 3/23/08

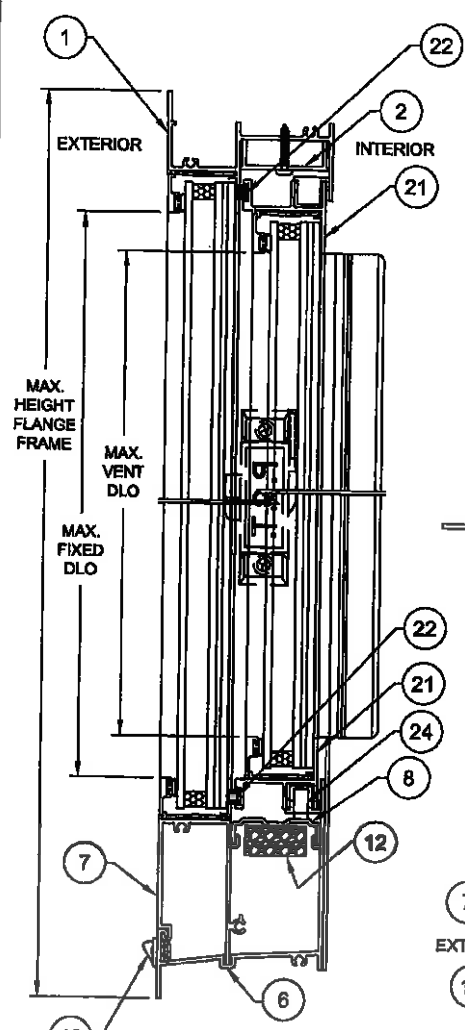
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34276  
P.O. BOX 1529  
NOKOMIS, FL 34274



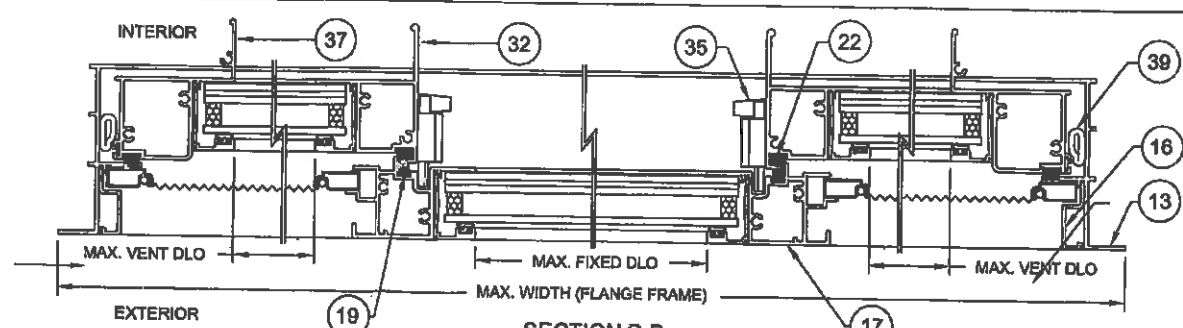
**ELEVATIONS**

Title:  
**ALUM. HORIZONTAL ROLLER WINDOW, IMPACT**

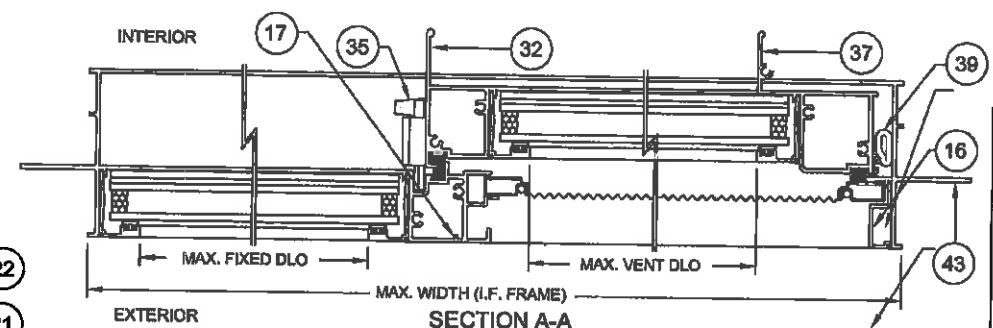
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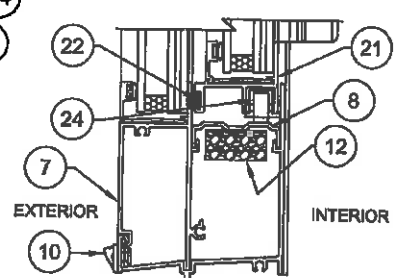
**SECTION C-C**  
(VERTICAL SECTION, FLANGE FRAME)



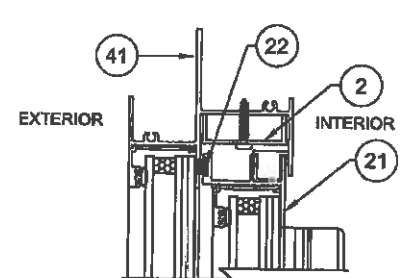
**SECTION B-B**  
(HORIZONTAL SECTION - XOX SHOWN WITH FLANGE FRAME)



**SECTION A-A**  
(HORIZONTAL SECTION - OX SHOWN WITH INTEGRAL FIN FRAME)



**SILL**  
(VERTICAL SECTION, I.F. FRAME)



**HEAD**  
(VERTICAL SECTION, I.F. FRAME)

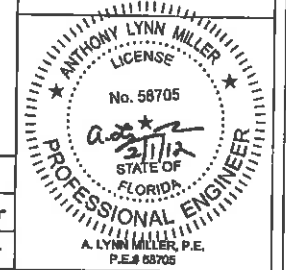
Revised By: J.J.	Date: 10/17/11	Revision: E	NO CHANGE THIS SHEET
Revised By: J.R.	Date: 6/20/11	Revision: D	NO CHANGE THIS SHEET
Revised By: F.K.	Date: 4/18/07	Revision: C	ADD INTEGRAL FIN FRAME, ITEMS 41, 42 AND 43 AND VIEWS.
Drawn By: F.K.	Date: 3/23/06	Checked By: J.J.	Date: 3/23/06

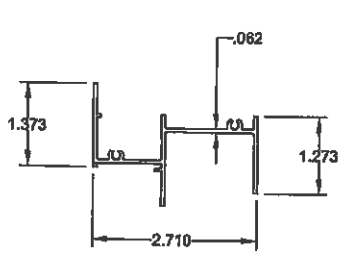
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34278  
P.O. BOX 1629  
NOKOMIS, FL 34274



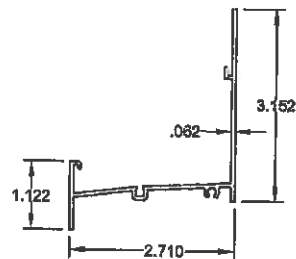
<b>SECTIONS</b>			
ALUM. HORIZONTAL ROLLER WINDOW, IMPACT			
Section/View: HR710	Scale: Half	Sheet: 5 of 11	Drawing No.: 4127-10
			Name: E

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-114.04  
Expiration Date 12/12/2016  
By: *[Signature]*  
Miami Dade Product Control

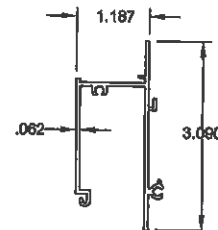




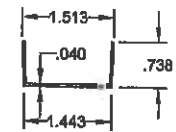
1 **FLANGE FRAME HEAD**  
#4102A, 6063-T6



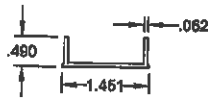
6 **FLANGE FRAME SILL**  
#4136, 6063-T6



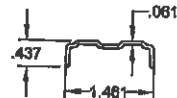
7 **FRAME SILL ADAPTER**  
#4137, 6063-T6



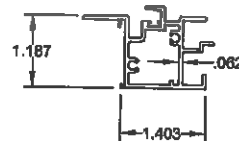
4 **SASH STOP COVER**  
#4053, 6063-T5



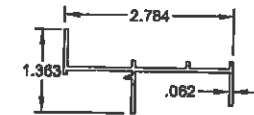
2 **SASH STOP**  
#4025, 6063-T5



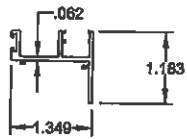
8 **HORIZ. ROLLER TRACK**  
#4131, 6063-T6



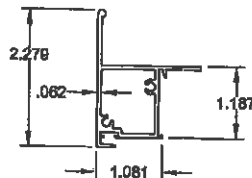
17 **FIXED MEETING RAIL**  
#4064B, 6063HD-T6



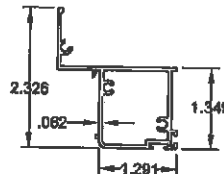
13 **FLANGE FRAME JAMB**  
#4002A, 6063-T6



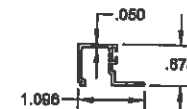
21 **SASH TOP & BOTTOM RAIL**  
#4133, 6063-T6



32 **SASH MTG. RAIL**  
#4006D, 6063HS-T6



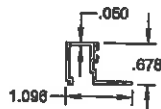
37 **SASH SIDE RAIL**  
#4126, 6063-T6



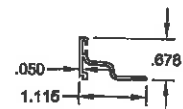
53 **GLAZING BEAD, 5/16"**  
#4039B, 6063-T5



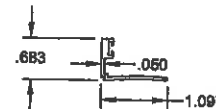
54 **GLAZING BEAD, 5/16"**  
#4044B, 6063-T5  
(USED W/ GRILL KIT)



55 **GLAZING BEAD, 7/16"**  
#4222A, 6063-T5

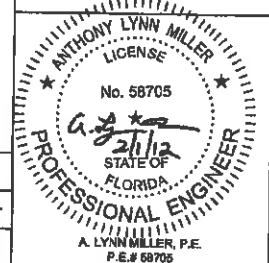


56 **GLAZING BEAD, 7/16"**  
#986C, 6063-T5  
(USED W/ GRILL KIT)



59 **GLAZING BEAD, 13/16"**  
#4067, 6063-T5

PRODUCT REVISED  
as complying with the Florida  
Building Code  
Acceptance No. 11-1114-04  
Expiration Date 12/21/2016  
By *[Signature]*  
Miami Dade Product Control



Prepared By: J.J.	Date: 10/17/11	Revised By: E	Date: NO CHANGE THIS SHEET
Checked By: J.R.	Date: 9/20/11	Revised By: D	Date: NO CHANGE THIS SHEET
Drawn By: F.K.	Date: 4/15/07	Revised By: C	Date: NO CHANGE THIS SHEET
Checked By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/06

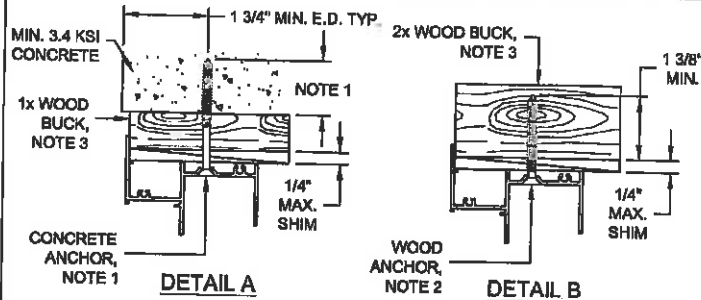
1070 TECHNOLOGY DRIVE  
NOKOMIS, FL 34276  
P.O. BOX 1529  
NOKOMIS, FL 34274



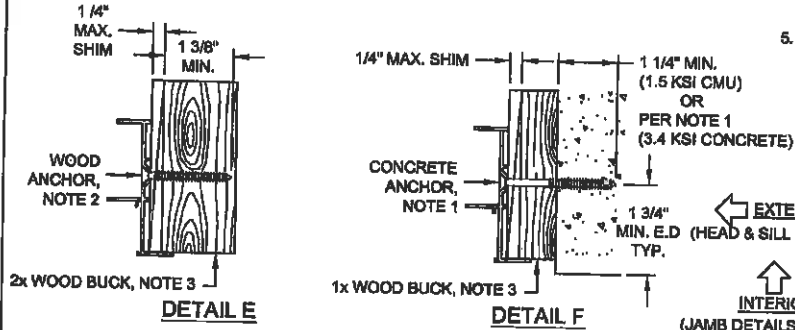
Extrusion:  
**EXTRUSIONS**  
Type:  
**ALUM. HORIZONTAL ROLLER WINDOW, IMPACT**

Section/Profile: HR710	Scale: Half	Sheet: 7 of 11	Drawing No.: 4127-10	Rev: E
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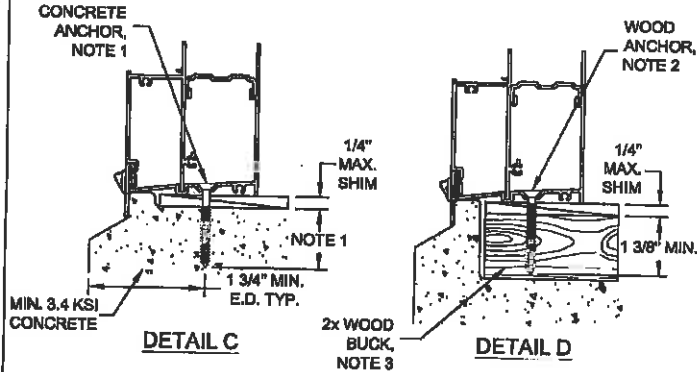




TYPICAL FLANGE FRAME HEAD SECTIONS



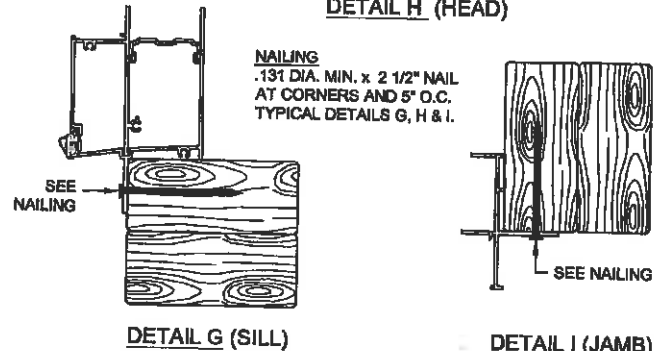
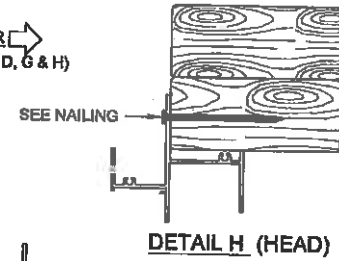
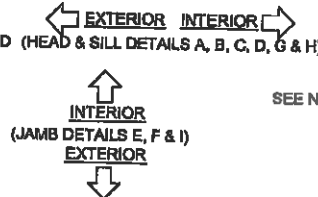
TYPICAL FLANGE FRAME JAMB SECTIONS



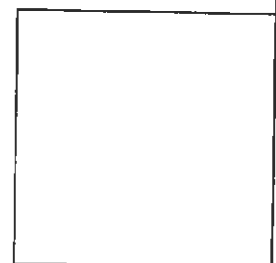
TYPICAL FLANGE FRAME SILL SECTIONS

NOTES:

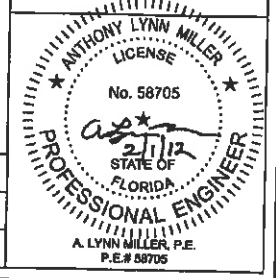
- FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY MIAMI-DADE COUNTY APPROVED 1/4" ELCO TAPCONS EMBEDDED 1 3/8" MIN. OR 1/4" SS4 CRETE-FLEX EMBEDDED 1 3/4" MIN.. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1 3/4". FLATHEAD ANCHORS MUST BE #12 TRIMFIT HEAD.
- FOR WOOD APPLICATIONS IN MIAMI-DADE COUNTY, USE #12 STEEL SCREWS (G5) OR 1/4" SS4 CRETE-FLEX WITH #12 TRIMFIT HEAD.
- WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". 1x WOOD BUCKS ARE OPTIONAL IF UNIT CAN BE INSTALLED DIRECTLY TO SOLID CONCRETE. WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.
- FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T6 AND A MINIMUM OF 1/8" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW FRAME SIMILAR TO THAT SHOWN IN THESE DETAILS FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET, THE RESPECTIVE DESIGN PRESSURES AND ANCHORAGE SPACING FOR ANCHOR TYPE 2 MAY BE USED.
- MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.



TYPICAL INTEGRAL FIN FRAME SECTIONS



PRODUCT REVISED as complying with the Florida Building Code  
 Acceptance No. 11-1114.04  
 Expiration Date 12/21/2016  
 By: [Signature]  
 Miami Dade Product Control



Revised By: J.J.	Date: 10/17/11	Revision: E	NO CHANGE THIS SHEET
Revised By: J.R.	Date: 0/20/11	Revision: D	NO CHANGE THIS SHEET
Revised By: F.K.	Date: 4/15/07	Revision: C	REVISE NOTES 1 & 2 REGARDING TRIMFIT HD. & EMBEDMENT. ADD I.F. FRAME. CHG. NOTE 6 TO FBC, CURRENT EDITION
Drawn By: F.K.	Date: 2/28/06	Checked By: J.J.	Date: 3/23/08

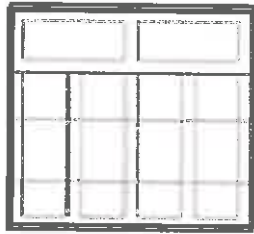
1070 TECHNOLOGY DRIVE  
 NOKOMIS, FL 34275  
 P.O. BOX 1529  
 NOKOMIS, FL 34274



Description: ANCHORAGE DETAILS			
Title: ALUM. HORIZONTAL ROLLER WINDOW, IMPACT			
Sheet No.: HR710	Scale: Half	Sheet: 11 of 11	Drawing No.: 4127-10
			Rev: E



TOP12



Design 12



**GARAGE SECTIONAL / PANEL DOORS:**

**IT IS THE ARCHITECTURAL DESIGN INTENT TO SPECIFY A 8'-0" HIGH X 8'-0" WIDE, INSULATED STEEL FRAME, GARAGE SECTIONAL / PANEL DOOR, MANUFACTURE BY CLOPAY / GRAND HARBOR COLLECTION SERIES / DESIGN #12, WITH TOP WINDOW SECTIONS USING LIGHT GREEN TINTED GLASS. THESE DOORS ARE LARGE AND SMALL MISSILE IMPACT RESISTANT WITH A NOTICE OF ACCEPTANCE (NOA) FROM MIAMI-DADE COUNTY.**

**THEY WILL BE PAINTED TO MATCH THE EXTERIOR BUILDING WALL PANELS USING THE SELECTED COLOR FROM BENJAMIN MOORE / #751 / 1B / SEA ISLE, AS THE EXTERIOR FINISH PAINT, WITH RAISED VERTICAL AND HORIZONTAL BATTENS PAINTED WHITE (See Attached Illustrations and Specifications).**



**TRUMAN WATERFRONT PARK  
The City of Key West  
HARC SUBMITTAL  
July 01, 2014**

**HORSE STABLE FACILITIES  
GARAGE SECTIONAL / PANEL DOORS**



# WINDCODE® GARAGE DOORS

STORM READY™ – NO POSTS, PINS OR EXTRA SETUP.  
JUST CLOSE AND LOCK YOUR DOOR.

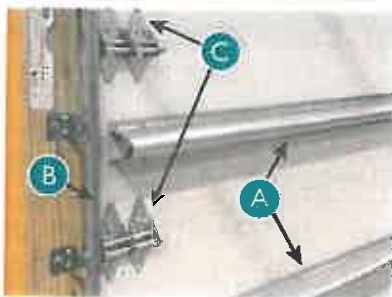
## BENEFITS OF CLOPAY WINDCODE®

- No attachments to the floor or structure required
- No extra posts, pins, parts or setup necessary
- Storm ready, simply close and lock your door

### STANDARD GARAGE DOOR



### WINDCODE® GARAGE DOORS



- A** Horizontal steel reinforcement strengthens door
- B** Heavy-duty commercial grade track provides additional strength and durability
- C** Commercial-duty steel rollers and hardware withstand more severe wind pressures

## CLOPAY'S WINDCODE® GARAGE DOORS

Clopay's WINDCODE® garage doors are designed to help withstand high winds resulting from tropical storms and other strong wind-related weather events. This user-friendly system assists you in selecting the right garage door for your area and building structure.

### DESIGN OPTIONS

Clopay's WINDCODE® product offering has the widest range of panel styles, colors and window designs available today. Accent the design of your home while providing the protection you need against strong winds. Choose from various panel designs and Designer or Decorative windows for that extra curb appeal. Impact-resistant windows are available in many different colors and wind load levels.

### DESIGNED AND TESTED TO WITHSTAND STRONG WINDS

All Clopay's WINDCODE® doors have been designed and tested to meet various code requirements. Additional interior horizontal steel reinforcement along with increased hardware and springing components are installed so your door is ready when a storm hits. No posts or pins are required to secure your door if you are not there. Just lock your door.

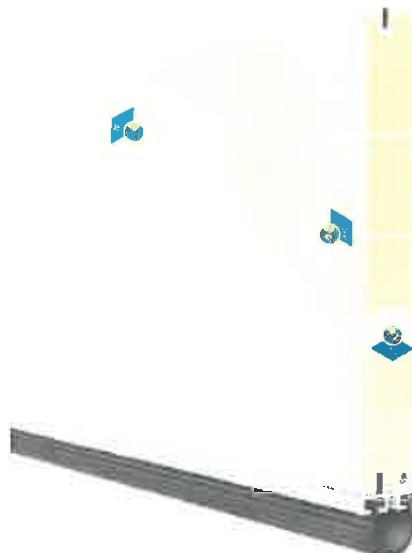
**intellicore®**  
insulation technology

### WARMER. QUIETER. STRONGER.

Garage doors featuring Intellicore® insulation technology represent the ultimate smart choice for homeowners. Clopay's Intellicore is a proprietary polyurethane foam that is injected into a garage door, expanding to fill the entire structure. The result is a door with incredible strength and durability. Its dense insulation also produces a quieter door, while its industry-leading R-values (up to 20.4) provide year-round comfort and improved energy efficiency.



Look for the Intellicore® icon throughout this brochure on select door models.



### WARMER

Energy efficiency provides year-round comfort

### QUIETER

Dense insulation reduces noise by up to 16 decibels

### STRONGER

Enhanced strength resists everyday wear and tear

# WINDCODE® GARAGE DOORS

## DETERMINE YOUR WINDCODE® RATING

Clopay assigns a WINDCODE® “W” rating to our doors based on code requirements determined by wind speed in miles per hour (MPH), home exposure and home structural type.

### STEP 1:

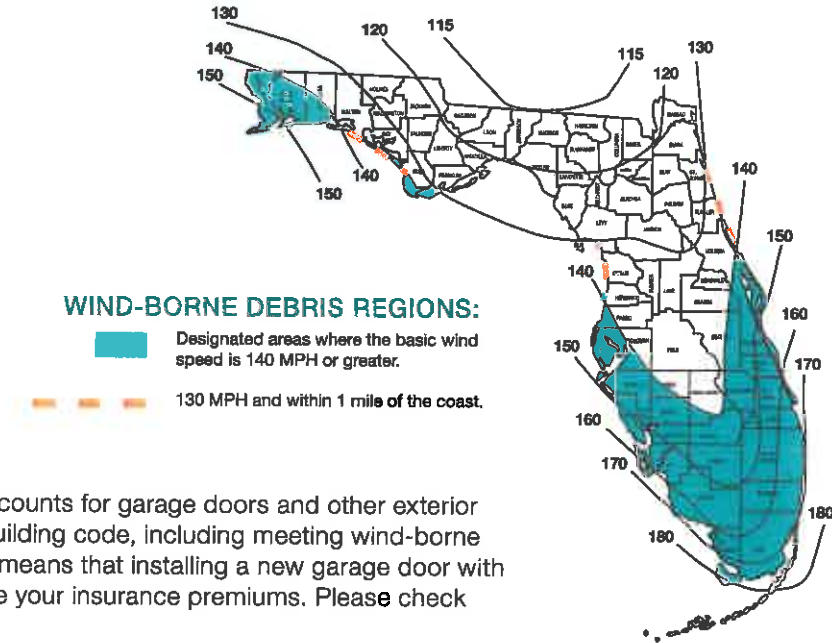
- Determine the minimum wind speed (MPH) your door must meet or exceed from the map below, or go to [www.atcouncil.org/windspeed](http://www.atcouncil.org/windspeed). Determine if wind-borne debris is applicable. See map below.

### WIND-BORNE DEBRIS

The wind-borne debris region is also known as those areas that require the large missile impact rated windows. In Florida, being farther south and closer to the shoreline, it is more likely a home or building will be in the wind-borne debris region.

Miami-Dade and Broward Counties require all garage doors meet the large missile impact rating, regardless if the garage door has windows or not. Standard windows are not available in Miami-Dade and Broward Counties.

Insurance companies sometimes give discounts for garage doors and other exterior building products that exceed the local building code, including meeting wind-borne debris requirements not mandated. This means that installing a new garage door with the large missile impact rating may reduce your insurance premiums. Please check with your insurance agent for details.



### STEP 2:

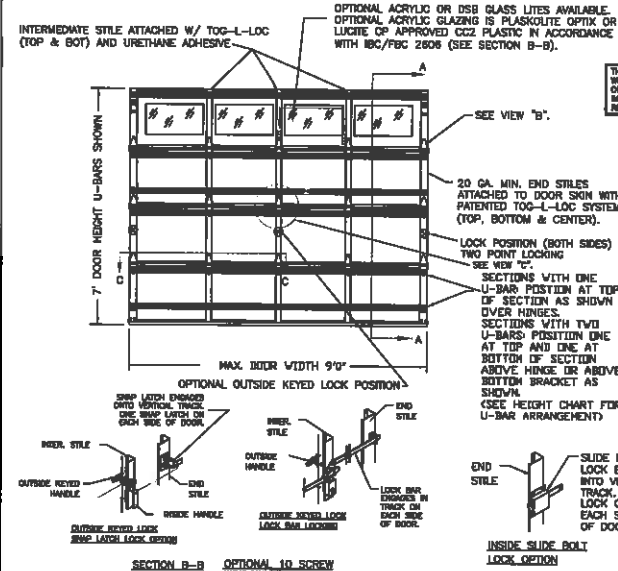
- Determine if your home is in an Exposure B, Exposure C or Exposure D region.
- Exposure B** is defined as urban and suburban areas, wooded areas or other terrain with numerous closely spaced obstructions.
- Exposure C** is defined as open terrain with scattered obstructions including flat open ground and grasslands. All of Miami-Dade and Broward Counties is Exposure C, unless it meets Exposure D definition.
- Exposure D** is defined as being within 600 ft. of the ocean front or other large body of water measuring at least 5,000 feet across. Contact building code official or DASMA Technical Data Sheet #155t for design pressures.

### STEP 3:

- Determine the structural type of your home.



MODELS	GRAND HARBOR / STORE MANAGER
CLOPAY	GH11, GH12, GH13, GH14, GH15, GH16, GH17, GH18, GH19, GH20, GH21, GH22
DEAL	SH11, SH12, SH13, SH14, SH15, SH16, SH17, SH18, SH19, SH20, SH21, SH22
DOORS	SP11, SP12, SP13, SP14, SP15, SP16, SP17, SP18, SP19, SP20, SP21, SP22



THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODES OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS RESISTANT (REF. CHAPTER 16 FBC/IBC)

**GRAND HARBOR 24GA W6-09**

NO. OF U-BARS PER SECTION

DOOR HEIGHT SECTION NUMBER	1	2	3	4	5	6	7	8
1	6	6	6	6	6	6	6	6
2	6	6	6	6	6	6	6	6
3	6	6	6	6	6	6	6	6
4	6	6	6	6	6	6	6	6
5	6	6	6	6	6	6	6	6
6	6	6	6	6	6	6	6	6
7	6	6	6	6	6	6	6	6
8	6	6	6	6	6	6	6	6
9	6	6	6	6	6	6	6	6
10	6	6	6	6	6	6	6	6
11	6	6	6	6	6	6	6	6
12	6	6	6	6	6	6	6	6
13	6	6	6	6	6	6	6	6
14	6	6	6	6	6	6	6	6
15	6	6	6	6	6	6	6	6
16	6	6	6	6	6	6	6	6
17	6	6	6	6	6	6	6	6
18	6	6	6	6	6	6	6	6
19	6	6	6	6	6	6	6	6
20	6	6	6	6	6	6	6	6
21	6	6	6	6	6	6	6	6
22	6	6	6	6	6	6	6	6

NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

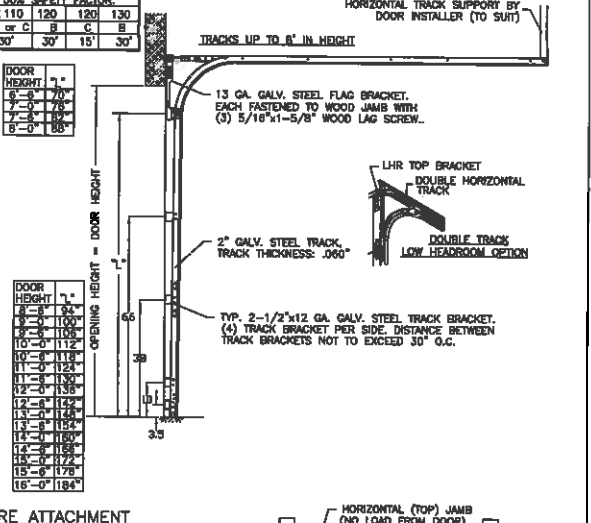
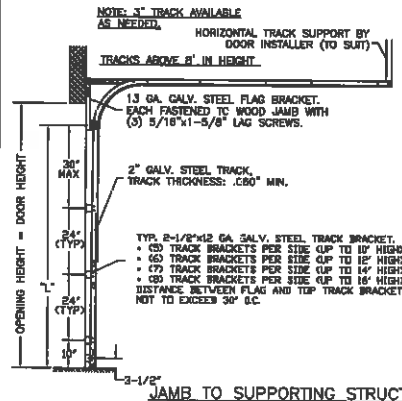
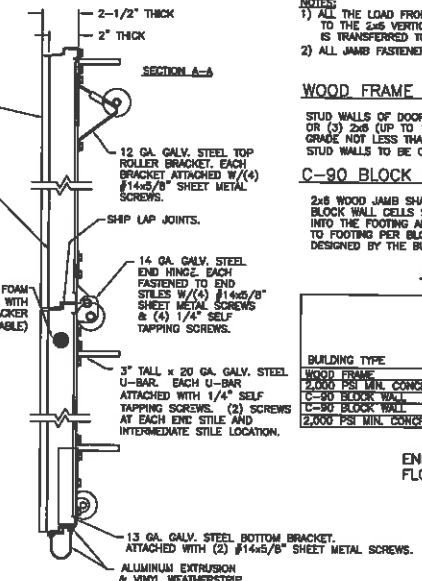
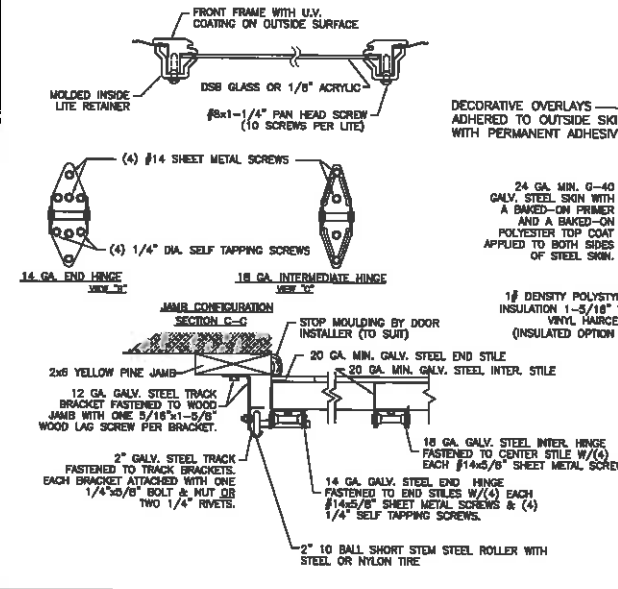
THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ANY ROOF SLOPE, AND 5) 50% SAFETY FACTOR.

WIND SPEED (MPH)	≤120	130	130	140
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	25'	30'

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) PARTIALLY ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ANY ROOF SLOPE, AND 5) 50% SAFETY FACTOR.

WIND SPEED (MPH)	≤110	120	120	130
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	15'	30'

REV	DATE	ECO	DESCRIPTION
01	11/02/06		INITIAL RELEASE
02	04/13/07		ADDED OPTIONAL LITER AND STORE MANAGER
03	07/10/08	EN184	ADDED RETAIL MODELS



- NOTES:
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL YELLOW PINE (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
  - ALL JAMB FASTENERS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

**WOOD FRAME BUILDINGS**

STUD WALLS OF DOOR OPENING SHALL BE FRAMED SOLID BY NOT LESS THAN (3) 2x4 (UP TO 9'6"x8'4") OR (3) 2x6 (UP TO 18'2"x8'4") PRESSURE TREATED GRADE #2 OR BETTER WOOD STUDS OF A STRESS GRADE NOT LESS THAN 1200 PSI NOMINAL EXTREME FIBER STRESS IN BENDING (F<sub>b</sub>). STUD WALLS TO BE CONTINUOUS FROM FOOTING TO THE BEAMS.

**C-90 BLOCK WALL OR 2000 PSI MIN. CONCRETE**

2x6 WOOD JAMB SHALL BE ANCHORED TO GROUT REINFORCED BLOCK WALL OR CONCRETE COLUMN. BLOCK WALL CELLS SHALL BE FILLED WITH CONCRETE AND REINFORCED WITH REINFORCING BARS EXTENDING INTO THE FOOTING AND INTO THE BEAMS. ALL BARS SHALL BE CONTINUOUS FROM THE TIE BEAMS TO FOOTING PER BLOCK WALL OR CONCRETE COLUMN. BLOCK WALLS AND CONCRETE COLUMNS TO BE DESIGNED BY THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

**2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT**  
(NOT TO BE USED FOR ATTACHMENT OF TRACK BRACKETS)

BUILDING TYPE	FASTENER TYPE	DOORS UP TO 8'x16'	
		MIN. No. OF FASTENERS PER VERTICAL JAMB	MAXIMUM ON CENTER DISTANCE BETWEEN FASTENERS
WOOD FRAME	1/2" x 1-5/8" EMBED LAG SCREW (ASTM A307 GRADE A); 1" OLD WASHER	4	24"
2000 PSI MIN. CONCRETE	1/2" x 1-3/4" MIN. EMBED TAPCON ANCHOR (1" OLD WASHER REQ'D)	5	20"
C-90 BLOCK WALL	3/8" x 1-3/4" MIN. EMBED TAPCON ANCHOR (1" OLD WASHER REQ'D)	9	11"
C-90 BLOCK WALL	3/8" x 1-1/2" MIN. EMBED SLEEVE ANCHOR BOLT (WASHER INCLUDED)	4	24"
2000 PSI MIN. CONCRETE	3/8" x 1-5/8" MIN. EMBED SLEEVE ANCHOR BOLT (WASHER INCLUDED)	5	22"

ORIGINAL DRAWINGS ARE SKETCHED IN BLUE INK WITH A RAISED SEAL (EMBOSS).

ENGINEER: MARK WESTERFIELD, P.E.  
FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

DESIGN LOADS: +37.0 P.S.F. & -37.0 P.S.F.  
TEST LOADS: +55.5 P.S.F. & -55.5 P.S.F.



CLOPAY BUILDING PRODUCTS COMPANY  
8585 DUKE BLVD.  
MASON, OH 45040  
(513) 770 - 4800

MANUFACTURING PRODUCT CODE	W6	MAXIMUM BEER CODE	9'0"W X 16'0"H
MPIC: SPO-2F449			
DATE	11/02/06	DESCRIPTION	GRAND HARBOR +37/-37 PSF
DRAWN BY	EFA	DRAWING NUMBER	103554
CHECKED BY	B		

# Noticing

# Public Meeting Notice

The Historic Architectural Review Commission will hold a public hearing at 5:30 p.m., August 27, 2014 at Old City Hall, 510 Greene Street, Key West, Florida. The purpose of the hearing will be to consider a request for:

**NEW PRE-FABRICATED  
HORSE STABLES FACILITIES.  
FOR- SOUTHWEST CORNER OF TRUMAN WATERFRONT PARK**

**Applicant-City of Key West/ Bermello Ajamil Application # H14-01-1100**

If you wish to see the application or have any questions, you may visit the Planning Department during regular office hours at 3140 Flagler Avenue, call 809-3973 or visit our website at [www.keywestcity.com](http://www.keywestcity.com).

**THIS NOTICE CAN NOT BE REMOVED FROM THE SITE UNTIL HARC FINAL DETERMINATION**