VA RESTORATION OF BUILDING 1 ENVELOPE

Department of Veterans Affairs Medical Center

James A. Haley VA Hospital 13000 Bruce B Downs Blvd., Tampa, FL 33612

PROJECT #: 673-21-116

RDC / JPA ARCHITECTURE
ARCHITECTURE PLANNING INTERIOR DESIGN
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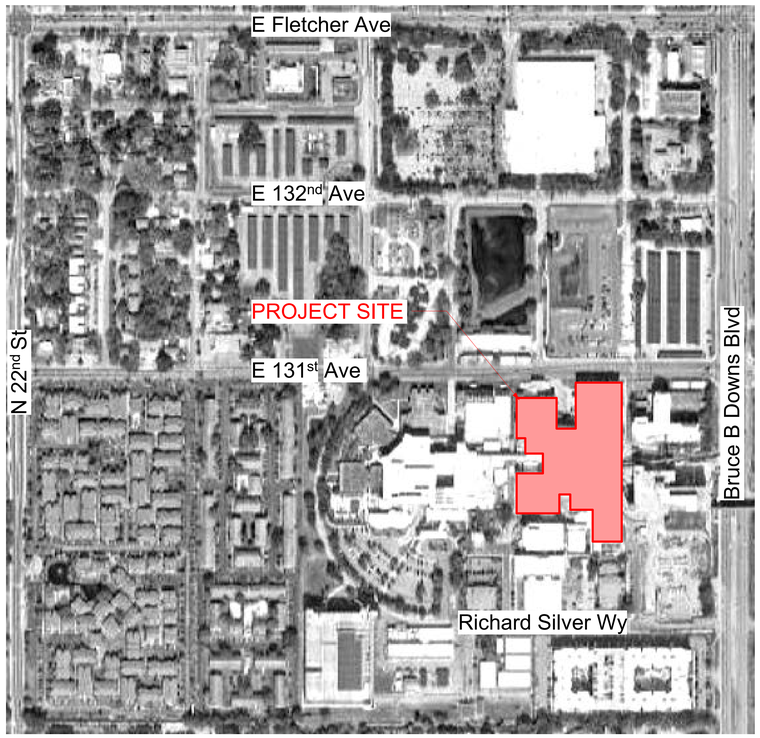

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Vicinity Map
Scale: 12" = 1'-0"

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GRAPHIC SYMBOLS

- 1/A101 — EXTERIOR ELEVATION
- A101 / X — INTERIOR ELEVATION
- 1 SIM / A101 — SECTION/DETAIL NUMBER, DRAWING NUMBER
- X — COLUMN GRID
- X — NOTE
- XX — WINDOW OPENING
- 101 — DOOR OPENING
- X / X — ROOM NAME, ROOM NUMBER
- XX-X-X — WALL TYPE
- 10'-8" — CEILING HEIGHT

2023 Florida Building Code, Building, Eighth Edition:

202 Definitions

- WIND-BORNE DEBRIS REGION. Areas within hurricane-prone regions located in areas where the ultimate design wind speed, Vult, is 140 mph (63.6 m/s) or greater.
  1. For Risk Category IV buildings and other structures, the wind-borne debris region shall be based on Figure 1609.3(3).

1603.1.4 Wind design data.

The following information related to wind loads shall be shown, regardless of whether wind loads govern the design of the lateral force-resisting system of the structure:

1. Ultimate design wind speed, V_{ult} (3-second gust), miles per hour (km/hr), tornado speed, V_T (mph) and nominal design wind speed, V_{asd}, (mph) as determined in accordance with Section 1609.3.1. **V_{ult} = 153 mph.** See Structural Drawings
2. **Risk category IV**. See Structural Drawings
3. Effective plan area, A_e, for tornado design in accordance with Chapter 32 of ASCE 7.
4. **Wind exposure Category = C**. See Structural Drawings.
5. Applicable internal pressure coefficients and applicable tornado internal pressure coefficients.
6. Design wind pressures and their applicable zones with dimensions to be used for exterior component and cladding materials not specifically designed by the registered design professional responsible for the design of the structure, psf (kN/m^2). Where design for tornado loads is required, the design pressures shown shall be the maximum of wind or tornado pressures.See Structural Drawings.

TABLE 1604.5

RISK CATEGORY OF BUILDINGS AND OTHER STRUCTURES IV - Buildings and other structures designated as essential facilities,

- Group I-2 occupancies having surgery or emergency treatment facilities.

1609.1.2 Protection of openings.

In wind-borne debris regions, glazed openings in buildings shall be impact resistant or protected with an impact-resistant covering meeting the requirements of ANSI/DASMA 115 (for garage doors and rolling doors) or TAS 201, 202 and 203, AAMA 506, ASTM E1996 and ASTM E1886 referenced herein, or an approved impact-resistant standard as follows:

1. Glazed openings located within 30 feet (9144 mm) of grade shall meet the requirements of the large missile test of ASTM E1996 (Level E missile rating).
2. Glazed openings located more than 30 feet (9144 mm) above grade shall meet the provisions of the small missile test of ASTM E1996. (Level D missile rating).

1609.1.2.1 Louvers.

Louvers protecting the exterior wall opening that are located within 30 feet (9144 mm) of grade shall meet the requirements of AMCA 540 or shall be protected by an impact-resistant cover complying with the large missile test of ASTM E1996 or an approved impact-resistance standard. Louvers required to be open for life safety purposes such as providing a breathable atmosphere shall meet the requirements of AMCA 540.

1609.3 Ultimate design wind speed.

- FIGURE 1609.3(3) ULTIMATE DESIGN WIND SPEEDS, V_{ULT}, FOR RISK CATEGORY IV BUILDINGS AND OTHER STRUCTURES = >150 mph.
  1. Area deignated as Wind-Borne Debris Region per 202.

1609.5 Tornado loads.

The design and construction of Risk Category III and IV buildings and other structures shall be in accordance with Chapter 32 of ASCE 7, except as modified by this code.

1609.6 Roof systems.

Roof systems shall be designed and constructed in accordance with Sections 1609.6.1 through 1609.6.3, as applicable.

1609.6.1 Roof deck.

The roof deck shall be designed to withstand the wind pressures determined in accordance with ASCE 7. Where design for tornado loads is required, the roof deck shall be designed to withstand the greater of wind pressures or tornado pressures determined in accordance with ASCE 7.

1609.6.2 Roof coverings.

Roof coverings shall comply with Section 1609.6.1.

1609.1.2.1 Louvers.

Louvers protecting the exterior wall opening that are located within 30 feet (9144 mm) of grade shall meet the requirements of AMCA 540 or shall be protected by an impact-resistant cover complying with the large missile test of ASTM E1996 or an approved impact-resistance standard. Louvers required to be open for life safety purposes such as providing a breathable atmosphere shall meet the requirements of AMCA 540.

1626.5.1

Louvers protecting the exterior wall envelope and are within 30 feet (9144 mm) of grade shall meet the requirements of AMCA 540 or TAS 201 (large missile test) or shall be protected by an impact-resistant cover complying with TAS 201 (large missile test), TAS 202 and TAS 203.

1626.5.2

Louvers required to be open for life safety purposes, such as providing a breathable atmosphere, that are protecting the exterior wall envelope and are within 30 feet (9144 mm) of grade shall meet the impact requirements of AMCA 540 or TAS 201 (large missile test).

1626.5.3

Open and closed louvers protecting the exterior wall envelope, regardless of their function or location from grade, shall also comply with uniform air pressure testing per TAS 202 protocol and either the cyclical wind pressure loading per TAS 203 protocol or by complying with both the impact and cyclical pressure testing of AMCA 540.

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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STATE OF FLORIDA — JASON H. ROGALA — AR101907 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title	COVER SHEET
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Approved:	STATION CHIEF - MICHAEL ROGALA
	FULLY SPRINKLERED
Location	TAMPA, FLORIDA
Issue Date	01/31/25
Checked	DF
Drawn	RG
Drawing Number	G-001

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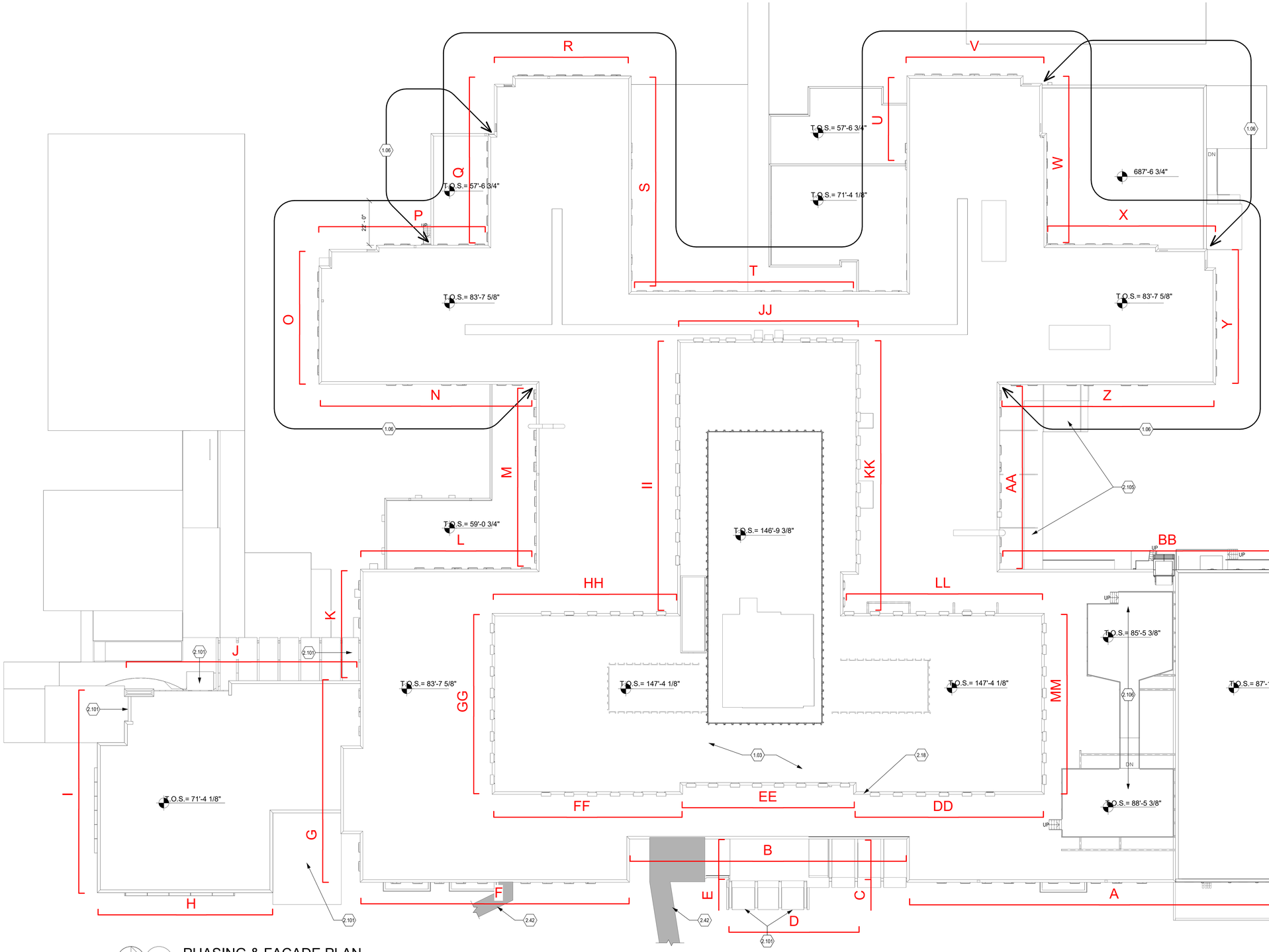

N 1 PHASING & FACADE PLAN

Scale: 1" = 20'-0"

GENERAL NOTES - ROOF

A. The contractor shall provide and submit the Staging Plan for V.A. review and approval before commencing work.

B. Roof elevations shown are approximate and are for general reference only.

C. Maintain unobstructed access from exterior means of egress doors and discharge routes. Maintain unobstructed access at paved parking areas and drive lanes for hospital patrons at all times. Coordinate any temporary conflicts with C.O.R.

D. Coordinate crane access with C.O.R. Site shall be restored to original condition upon completion of work.

E. Contractor to protect all roof top units (RTU), ducts, and associated equipment during the project. All equipment to remain fully operable for the duration of project.

F. Prior to the start of masonry work, Contractor shall provide "pre-filter" protection of the outside air intakes of RTU's and intake building louvers adjacent to masonry work using MERV 8 air filter media rolls. Replacement of internal RTU filters is not required as part of the project scope.

G. Contractor shall provide measures to ensure all dust and debris generated by the work remains within the work area and does not pose hazardous or objectionable conditions for employees, patients, public and building mechanical equipment.

H. The contractor shall provide temporary weather protection to prevent water entry into the building and to maintain the building in a weather-tight condition. Ensure that protection is in place and water-tight before the end of each day's work. During the work, the contractor shall be prepared for unexpected weather changes so that temporary protection can be quickly installed.

J. The Contractor shall protect the roof and associated systems. Construction loads shall not exceed 25 PSF unless approved by the C.O.R. Damage caused by construction activity shall be repaired per the Owner's direction at the Contractor's cost; all repairs must maintain existing warranties. All items must be secured and braced. Install plywood cover board under all construction materials to protect existing roofing, parapet, and flashing. Do not store material, equipment, or demolition debris on the roof and other decks.

K. At all exterior work areas, the Contractor is to provide access to the design team and VAMC staff for observation of construction activities. Prior to the removal of exterior access equipment (swing stages, aerial platforms, etc.), provide the design team with (3) business days' notice to allow for a site observation trip. If notice is not provided, the Contractor will be required to provide new access equipment for the site observation trip.

L. The Contractor is to secure all VA permits prior to execution of work.

GENERAL NOTES - PHASING

A. Exterior work can be divided into individual facades. Each façade includes masonry repair, window replacement, or both. Exterior abatement and/or repair work to a facade shall proceed any window replacement to that same facade.

B. To minimize risk levels during hurricane season in Southern Florida, exterior work shall be suspended during the calendar period between late July thru end of October. Exterior work not completed during this season shall resume in the following season.

C. Coordinate phase completion and start-up with the requirements set forth by the COR to maintain daily operations to near as normal as possible.

D. Coordinate all work involving the generation of excessive noise so as to occur during non-peak operating hours (11 am to 4 pm). Activities to occur during this time period include, but are not limited to saw cutting, jack hammering, hammer drilling, and core drilling.

E. Coordinate access to all phases of construction, deliveries, and debris removal with the COR. See General Requirements.

F. Coordinate construction phasing for Building #1 with VA Medical Services directors, FMS Projects, and COR to establish schedule of temporary closures for interior construction access. Building #1 shall maintain continuous operation throughout construction.Displacement of occupants in patient care spaces to be avoided as much as possible. Availability of vacated spaces shall be coordinated and verified thru the C.O.R..

G. Note: Facade designations shown reference facades that include window replacement. Refer to exterior elevations for full scope of exterior work.

NOTES:

1.03 Roof Deck - 7th floor below

1.06 Work scope at these facades are part of BID ITEM #2 (Deduct Alternate).

2.18 Existing parapet wall.

2.42 Existing connector to Building 100, protect in place.

2.101 Hospital entrance.

2.105 Building 1 Dock / Loading Area. Maintain unobstructed access at all times. Coordinate adjacent construction staging with C.O.R.

2.106 Existing raised mechanical platform to remain.

PHASING LEGEND

X FACADE DESIGNATION (WITH WINDOWS)

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Revisions		Date
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PHASING/FACADE PLAN	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 / Checked: DF / Drawn: RG	Drawing Number: G-101

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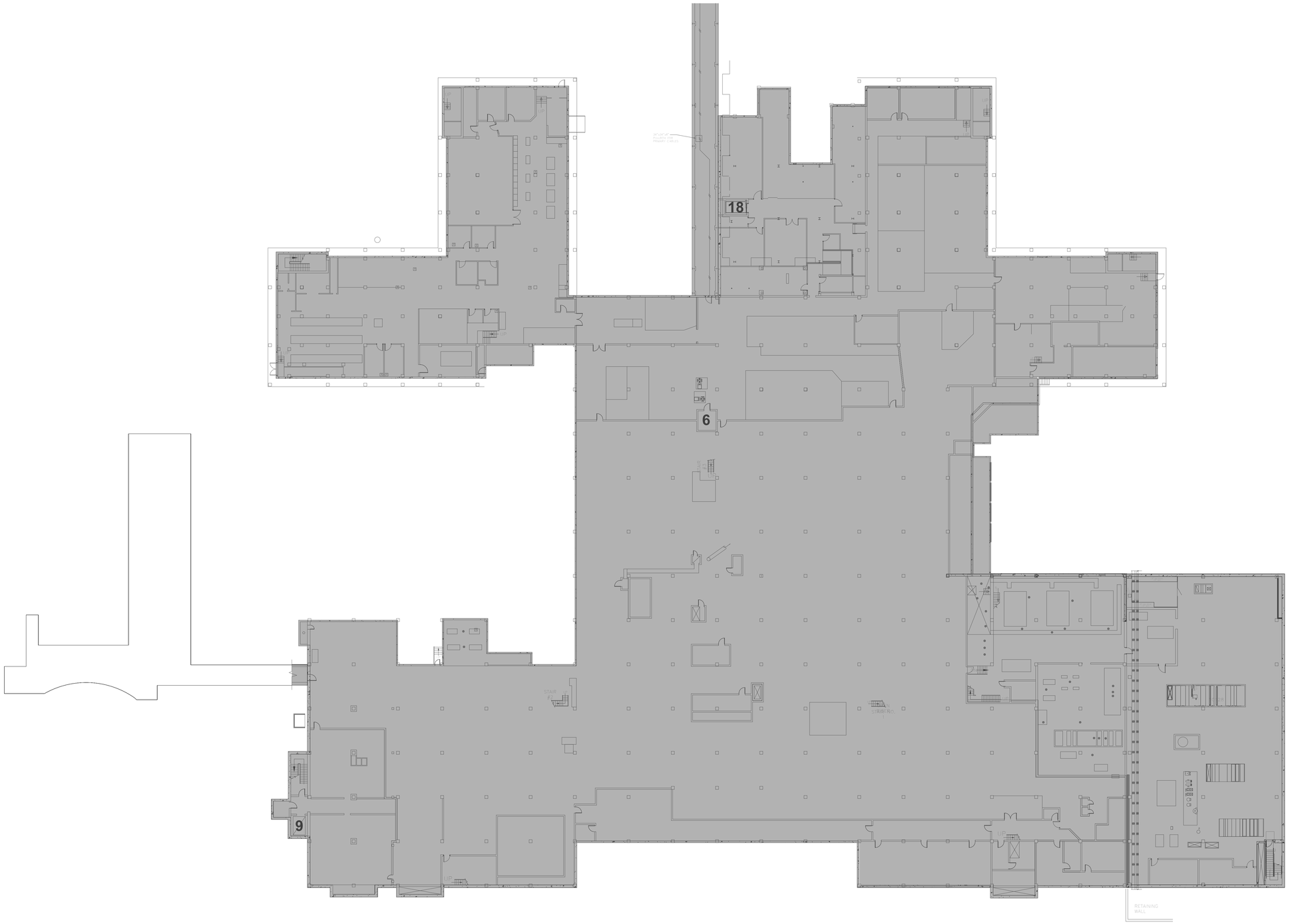

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

NOTES:

INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X — FACADE DESIGNATION (WITH WINDOWS)

N 1 **PIPE BASEMENT PLAN**
Scale: 1" = 20'-0"

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title PIPE BASEMENT PLAN	**Phase** 100% BID DOCUMENTS	**Project Title** RESTORATION OF BUILDING 1 ENVELOPE	**Project Number** VA Project No. 673-21-116 RDCJPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	**Location** TAMPA, FLORIDA	**Building Number** B1
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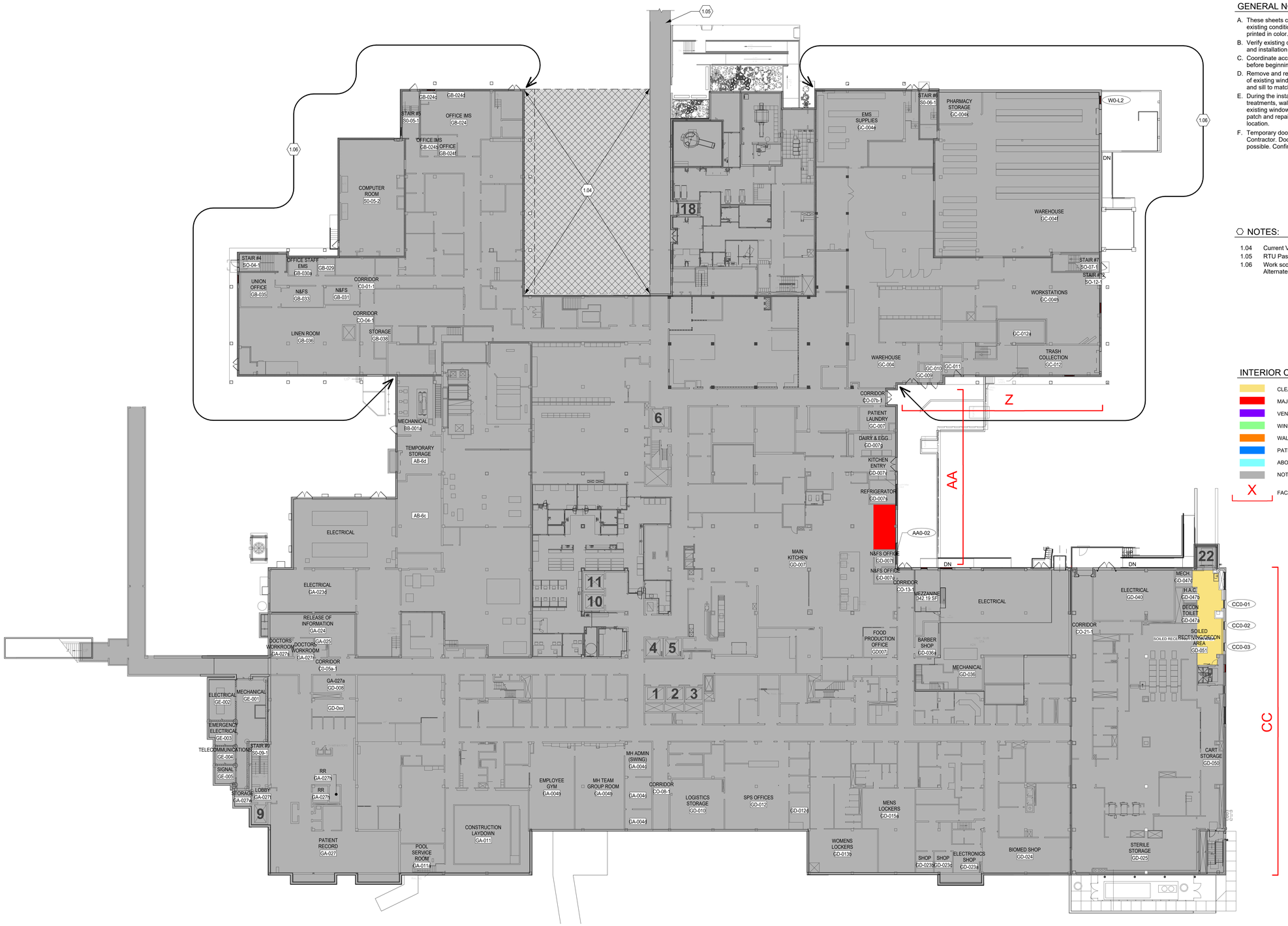

N 1 GROUND FLOOR PLAN

Scale: 1" = 20'-0"

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

⎔ NOTES:

1.04 Current VA project, this area is Not In Scope.
1.05 RTU Passage to Building 38
1.06 Work scope at these facades are part of BID ITEM #2 (Deduct Alternate).

INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X FACADE DESIGNATION (WITH WINDOWS)

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Drawing Title	GROUND FLOOR PLAN
Phase	100% BID DOCUMENTS
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	FULLY SPRINKLERED
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Building Number	B1
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Drawing Number	A-102

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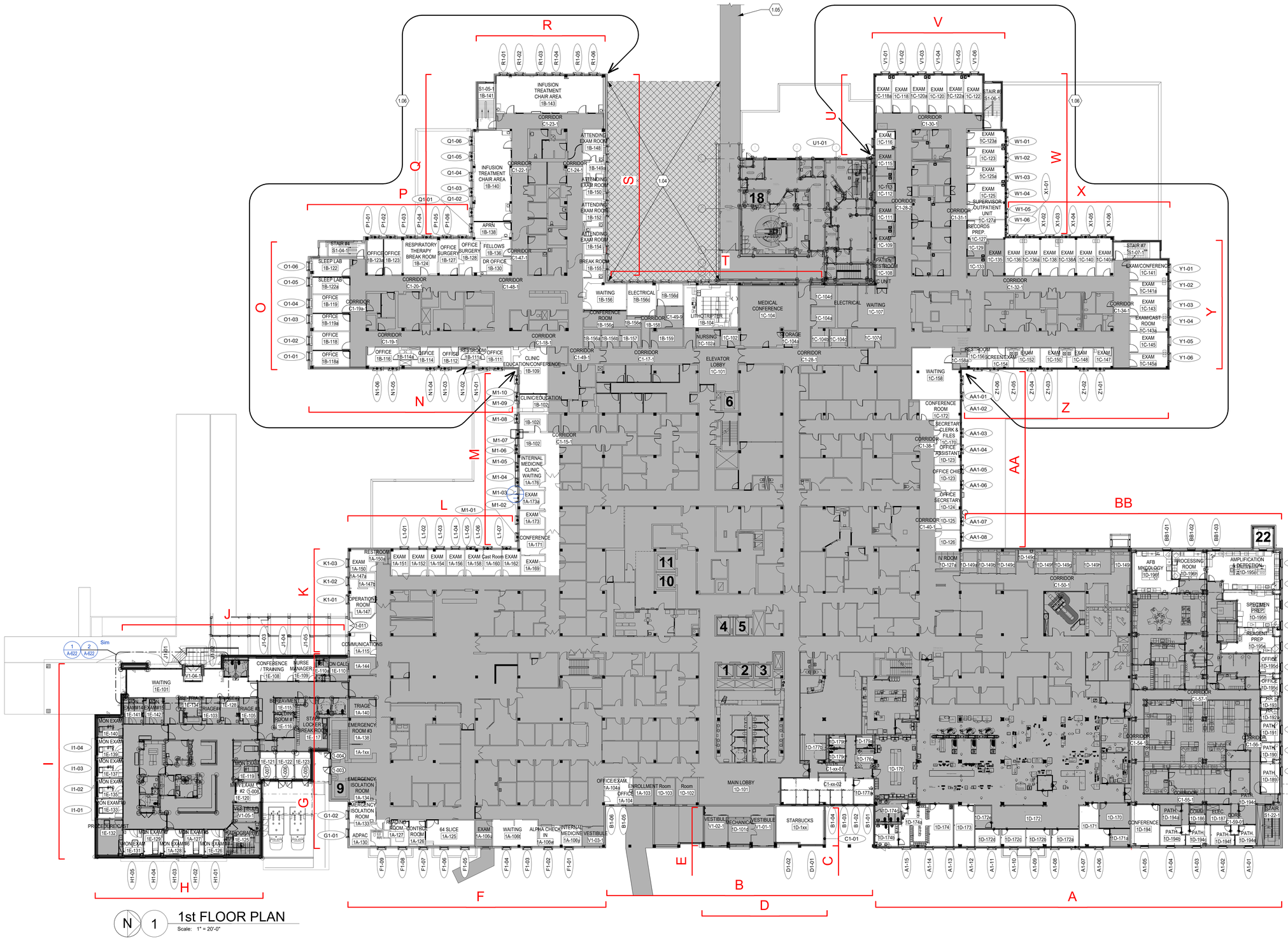
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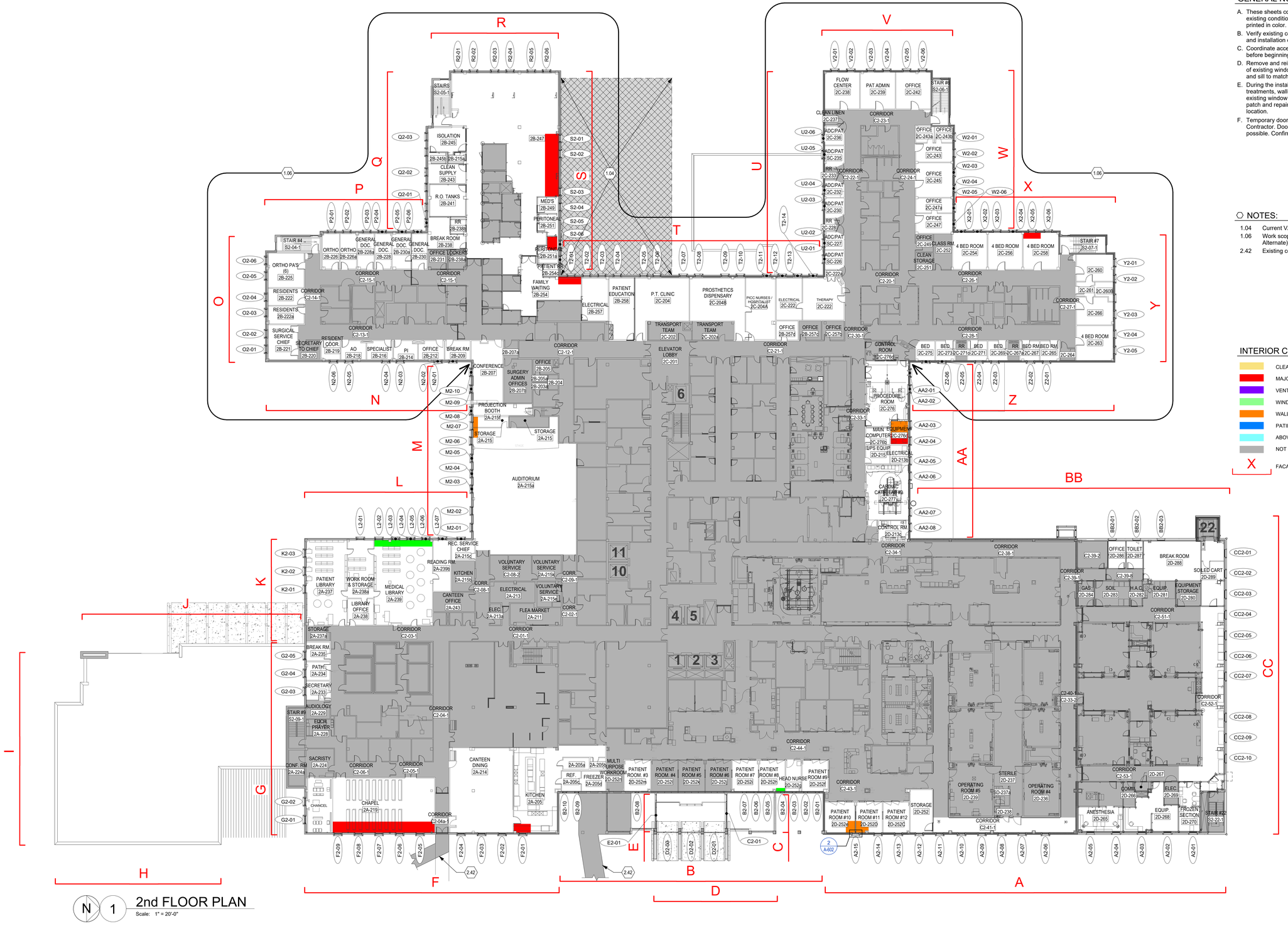

2nd FLOOR PLAN

Scale: 1" = 20'-0"

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

○ NOTES:

1.04 Current VA project, this area is Not In Scope.
1.06 Work scope at these facades are part of BID ITEM #2 (Deduct Alternate).
2.42 Existing connector to Building 100, protect in place.

INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X FACADE DESIGNATION (WITH WINDOWS)

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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ARCHITECT/ENGINEER OF RECORD

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524 Fernwood Drive, Altamonte Springs, Florida 32701 | www.rdcjpa.com | 800.362.1523

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	SECOND FLOOR PLAN
Phase	100% BID DOCUMENTS
Approved:	STATION CHIEF - MICHAEL ROGALA
	FULLY SPRINKLERED
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Location	TAMPA, FLORIDA
Issue Date	01/31/25
Checked	DF
Drawn	RG
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Drawing Number	A-104

VA FORM 08 - 6231

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GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

⎔ NOTES:

2.06	Existing mechanical ductwork to remain. Protect in place. Refer to Mechanical Drawings.
2.10	Existing roof deck to remain. Protect in place.
2.77	Existing coping to remain, protect in place.
2.100	Existing pipework, air ducts, antennas/satellite dishes, etc. are to remain, u.n.o. Protect in place.
7.51	Prefinished metal coping.

INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X — FACADE DESIGNATION (WITH WINDOWS)

N 1 **3rd FLOOR PLAN**
Scale: 1" = 20'-0"

Revisions	Date
100% BID DOCUMENTS	01/31/2025

CONSULTANT

ARCHITECT/ENGINEER OF RECORD
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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	THIRD FLOOR PLAN
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Approved:	STATION CHIEF - MICHAEL ROGALA
Location	TAMPA, FLORIDA
Issue Date	01/31/25
Checked	DF
Drawn	RG
Drawing Number	A-105

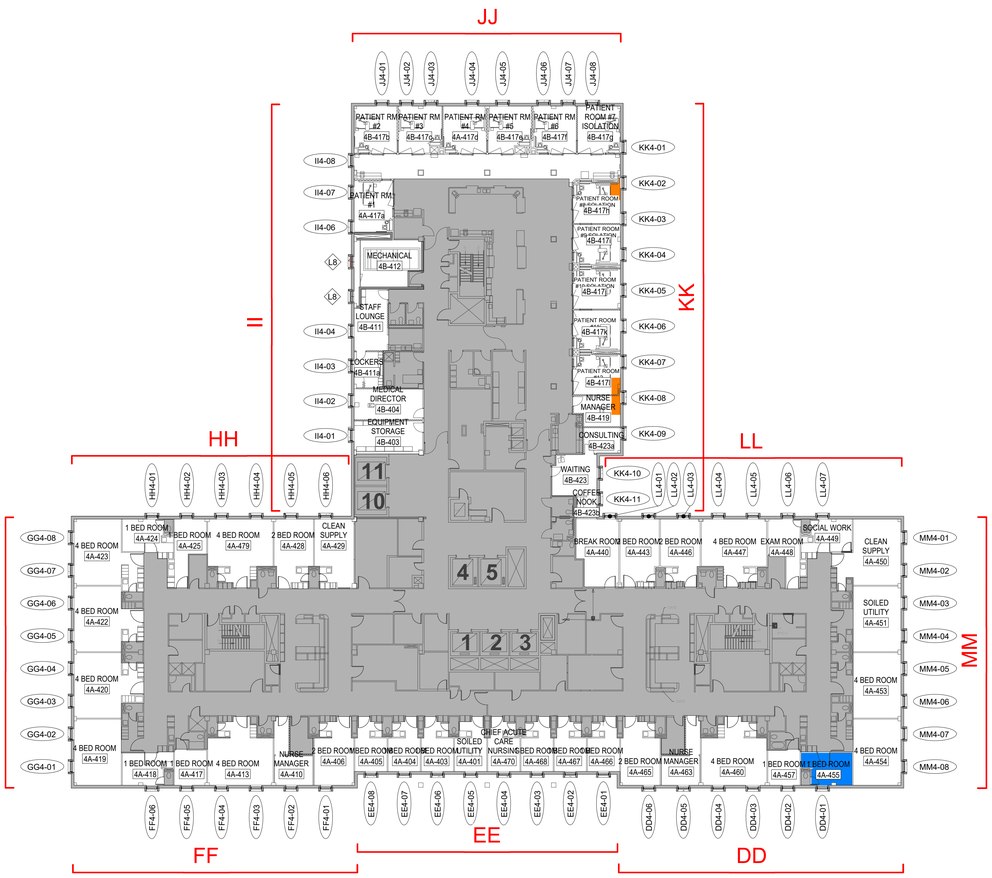
VA FORM 08 - 6231

1/31/2025 11:22:08 AM

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

NOTES:



INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X — FACADE DESIGNATION (WITH WINDOWS)

N 1 **4th FLOOR PLAN**
Scale: 1" = 20'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title FOURTH FLOOR PLAN	**Phase** 100% BID DOCUMENTS	**Project Title** RESTORATION OF BUILDING 1 ENVELOPE	**Project Number** VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	**Location** TAMPA, FLORIDA	**Building Number** B1
		Issue Date 01/31/25 · **Checked** DF · **Drawn** RG	**Drawing Number** A-106

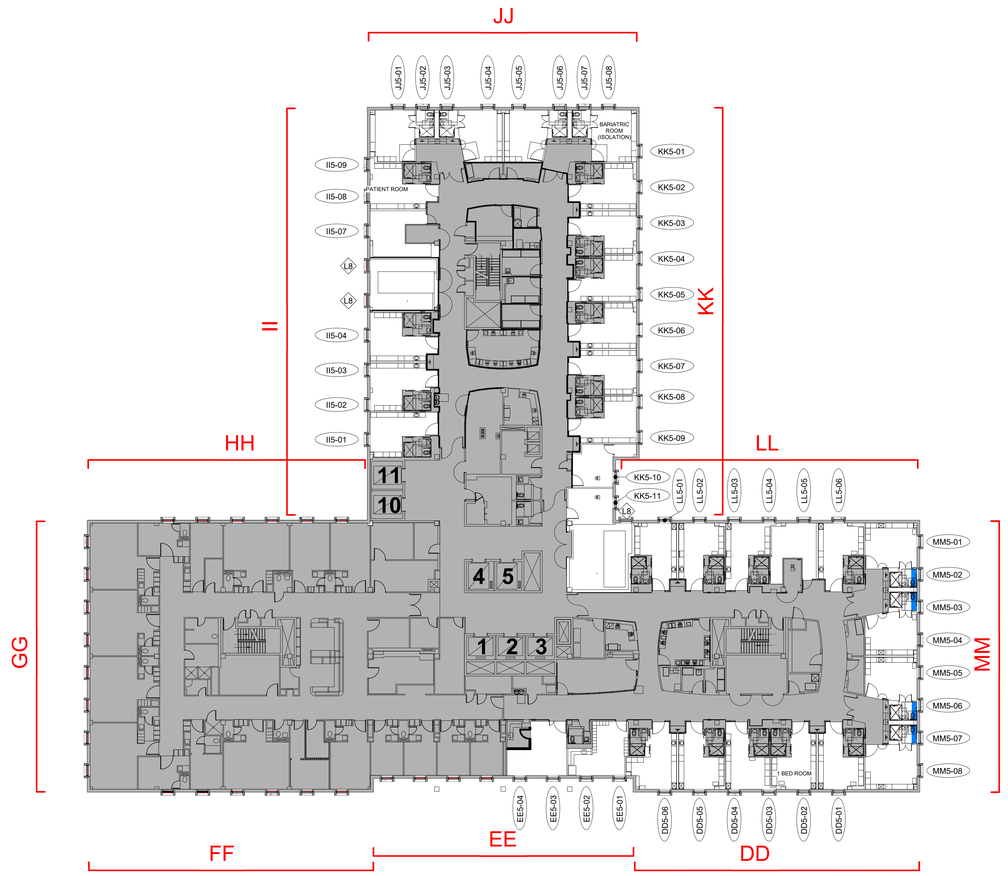
VA FORM 08 - 6231

1/31/2025 11:22:10 AM

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

⎔ NOTES:



INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X — FACADE DESIGNATION (WITH WINDOWS)

N 1 — 5th FLOOR PLAN
Scale: 1" = 20'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIFTH FLOOR PLAN	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDCJPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 / Checked: DF / Drawn: RG	Drawing Number: A-107

VA FORM 08 - 6231

1/31/2025 11:22:12 AM

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

⎔ NOTES:

INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X — FACADE DESIGNATION (WITH WINDOWS)

N 1 **6th FLOOR PLAN**
Scale: 1" = 20'-0"

1/31/2025 11:22:20 AM

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: SIXTH FLOOR PLAN
Approved: STATION CHIEF - MICHAEL ROGALA
Phase: 100% BID DOCUMENTS
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 1 ENVELOPE
Location: TAMPA, FLORIDA
Issue Date: 01/31/25 | Checked: DF | Drawn: RG
Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Building Number: B1
Drawing Number: A-108

VA FORM 08 - 6231

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

⬡ NOTES:

INTERIOR CONDITIONS LEGEND

- CLEARANCE & MINOR OBSTRUCTIONS - ***SEE SHEET 3/A-701***
- MAJOR OBSTRUCTIONS / EQUIPMENT - ***SEE SHEET 4/A-701***
- VENTS / DUCT WORK - ***SEE SHEET 1/A-701***
- WINDOW TREATMENTS - ***SEE SHEET 2/A-701***
- WALLS MAKING CONTACT WITH WINDOW - ***SEE SHEET 5/A-702***
- PATIENT LIFTS
- ABOVE CEILING CONSTRUCTION REQUIRED - ***SEE SHEET 6/A-702***
- NOT IN CONTRACT / EXISTING TO REMAIN
- X FACADE DESIGNATION (WITH WINDOWS)

1 7th FLOOR PLAN

Scale: 1" = 20'-0"

1/31/2025 11:22:22 AM

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: SEVENTH FLOOR PLAN

Approved: STATION CHIEF - MICHAEL ROGALA

Phase: 100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE

Location: TAMPA, FLORIDA

Issue Date: 01/31/25 | Checked: DF | Drawn: RG

Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00

Building Number: B1

Drawing Number: A-109

VA FORM 08 - 6231

GENERAL NOTES:

A. Refer to enlarged exterior elevations sheets for more information.
B. Existing exterior signage to remain, unless noted otherwise.

⬡ NOTES:

2.42 Existing connector to Building 100, protect in place.

1 NORTH ELEVATION
Scale: 3/64" = 1'-0"

2 EAST ELEVATION
Scale: 3/64" = 1'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR ELEVATIONS - OVERVIEW	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Drawing Number: A-200
		Issue Date: 01/31/25 · Checked: DF · Drawn: AC	

1/31/2025 11:22:30 AM

VA FORM 08 - 6231

NOTES:

1.04 Current VA project, this area is Not In Scope.
1.05 RTU Passage to Building 38

3 SOUTH ELEVATION
Scale: 3/64" = 1'-0"

4 WEST ELEVATION
Scale: 3/64" = 1'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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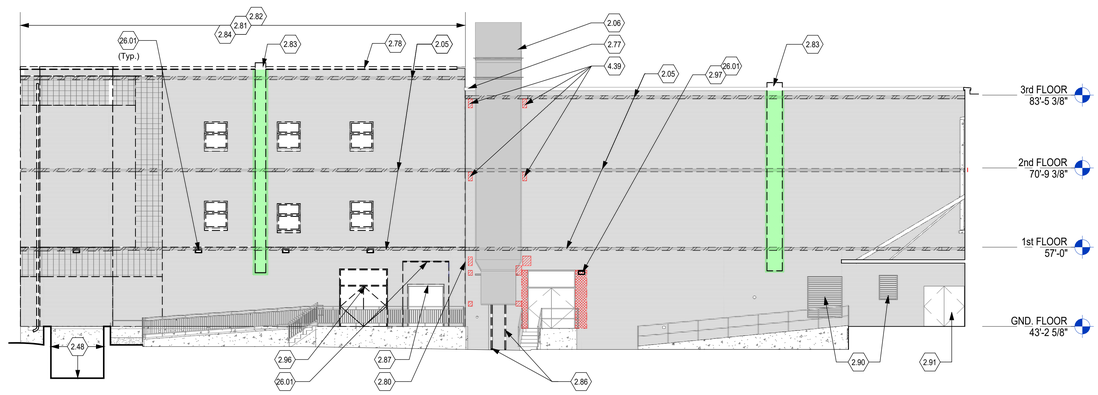
Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR ELEVATIONS - OVERVIEW	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Drawing Number: A-201
		Issue Date: 01/31/25 · Checked: DF · Drawn: AC	

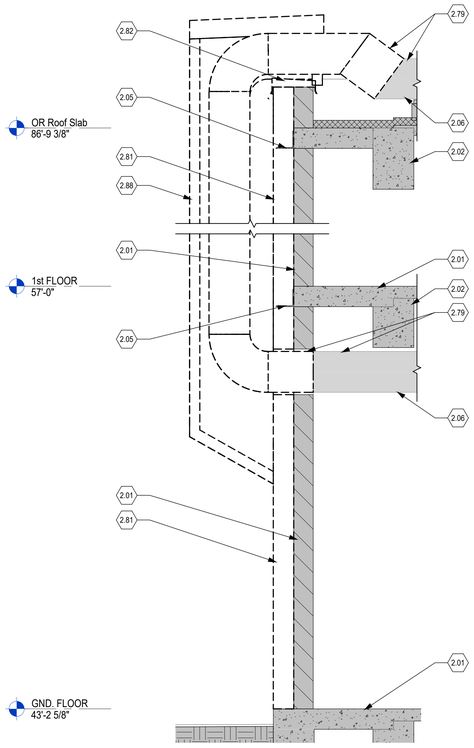
1/31/2025 11:22:43 AM

VA FORM 08 - 6231



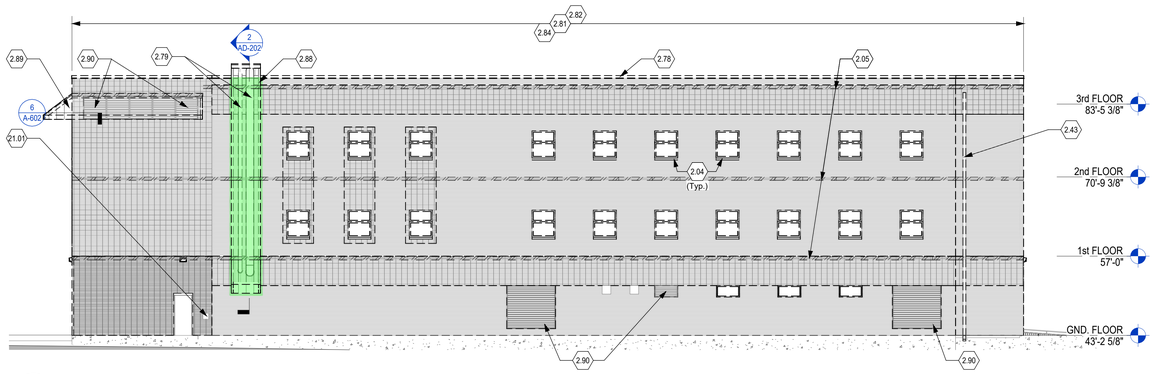
28 WEST ELEVATION - DEMOLITION

Scale: 3/32" = 1'-0"



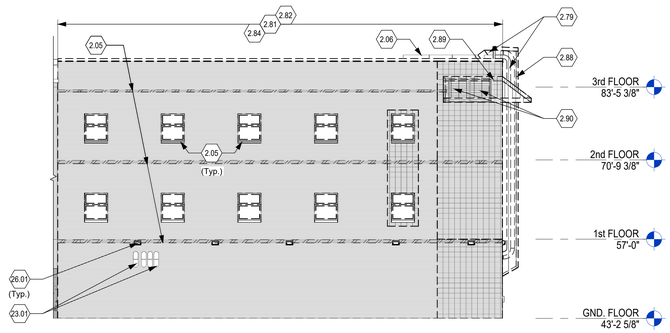
2 WALL SECT. - DEMO @ DUCTWORK

Scale: 1/2" = 1'-0"



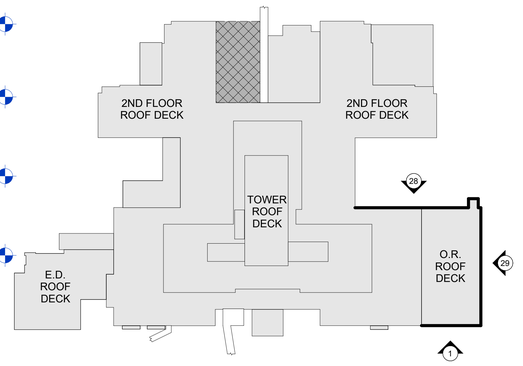
29 NORTH ELEVATION - DEMOLITION

Scale: 3/32" = 1'-0"



1 EAST ELEVATION - DEMOLITION

Scale: 3/32" = 1'-0"



N KEY PLAN

Scale: N.T.S.

GENERAL DEMOLITION NOTES

A. Remove all existing partitions shown with dashed line. Repair wall and floor finishes to match adjacent surfaces at areas of removal or scheduled new surfaces as required.
B. Repair existing walls to match adjacent where ceilings, roller shades, etc. are shown to be removed and reinstalled.
C. All interior and exterior surfaces damaged during the replacement work shall be repaired and finished to match existing material, finish, and color, unless noted otherwise.
D. See P, M, E & FP drawings for removal work associated with those trades.
E. P, M, E & FP systems above ceiling of area to be remodeled shall be maintained during demolition/construction, unless noted otherwise.

⬡ NOTES:

2.01 Existing construction to remain, protect in place.
2.02 Existing structure to remain.
2.04 Existing precast sill to remain, protect in place.
2.05 Existing brick ledge to remain. Assumed location within the wall, field verify.
2.06 Existing mechanical ductwork to remain. Protect in place. Refer to Mechanical Drawings.
2.43 Existing downspout and scupper to be removed.
2.48 Existing ramp to pipe basement to remain. Protect in place.
2.77 Existing coping to remain, protect in place.
2.78 Remove existing parapet coping and prepare area for new construction.
2.79 Remove existing mechanical ductwork. Refer to Mechanical Drawings.
2.80 Remove existing expansion joint and prepare area for new construction.
2.81 Remove existing face brick, insulation, flashing & membrane to faces of CMU and concrete substrate.
2.82 Remove existing metal wall coping.
2.83 Remove pipe chase. See Mechanical Drawings.
2.84 Remove existing light fixture. See Electrical Drawings.
2.86 Remove existing support posts after existing duct is anchored to new framing.
2.87 Remove existing HM door. HM frame to remain.
2.88 Remove existing metal enclosure and framing.
2.89 Remove existing metal canopy and framing.
2.90 Existing louvers to remain. See Mechanical Drawings.
2.91 Existing HM door & frame to remain.
2.96 Remove existing HM door & frame. Prep area for new construction.
2.97 Salvage & reinstall the existing exterior light back to its original location once new construction is complete. See Electrical Drawings.
4.39 Tooth in and infill masonry wall cavity. Brick and mortar to match existing conditions.
21.01 Fire Department Connection fixture. See Fire Protection Drawings.
23.01 Mechanical Equipment. See Mechanical Drawings.
26.01 Light fixture. See Electrical Drawings.

EXTERIOR ELEVATION / GLAZING LEGEND:

- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: O.R. DEMOLITION ELEVATIONS	Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE		Project Number: VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
		Building Number: B1
Location: TAMPA, FLORIDA		Drawing Number: AD-202
Issue Date: 01/31/25	Checked: DF	Drawn: RG

VA FORM 08 - 6231

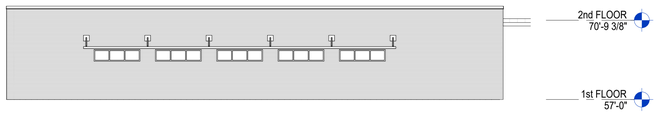
1/31/2025 11:22:48 AM

GENERAL NOTES:

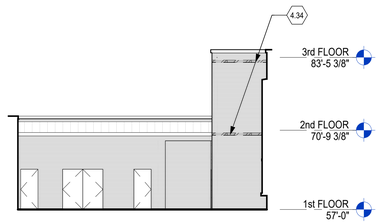
A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

⬡ NOTES:

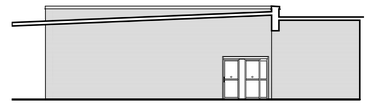
2.42 Existing connector to Building 100, protect in place.
2.49 Existing scupper to remain. Protect in place.
2.93 Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.22 Masonry control joint.
4.34 Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
4.38 Remove and replace through-wall flashing and brick weeps at existing support angles. Install new brick facade.
7.40 12" wide exterior expansion joint system.
7.47 Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.
7.51 Prefinished metal coping.
23.01 Mechanical Equipment. See Mechanical Drawings.
23.05 Existing steam piping. See Mechanical Drawings.
26.01 Light fixture. See Electrical Drawings.



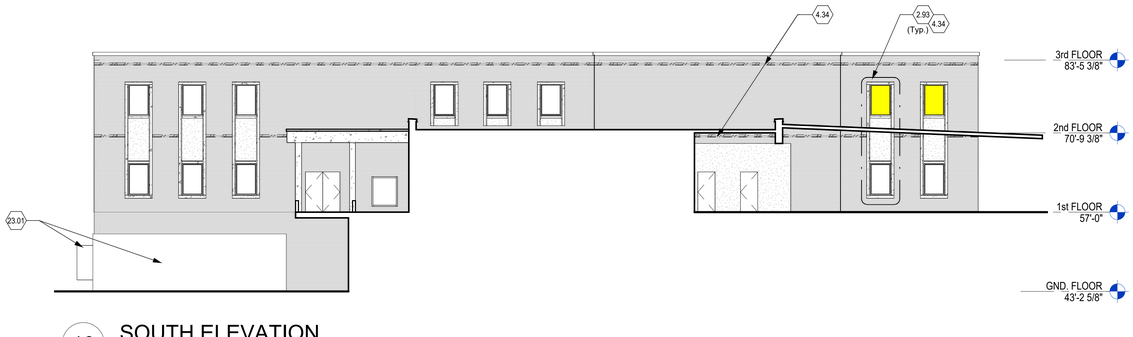
12 EAST ELEVATION
Scale: 3/32" = 1'-0"



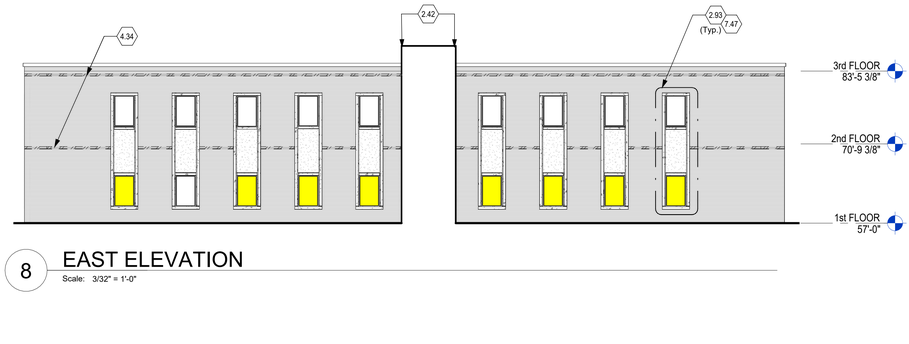
9 EAST ELEVATION
Scale: 3/32" = 1'-0"



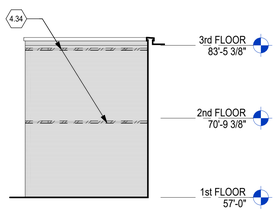
11 NORTH ELEVATION
Scale: 3/32" = 1'-0"



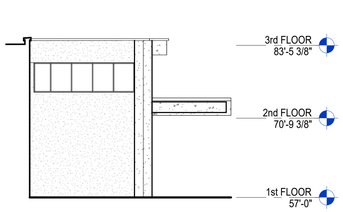
10 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



8 EAST ELEVATION
Scale: 3/32" = 1'-0"

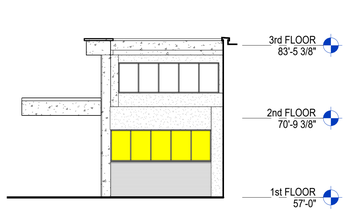


7 NORTH ELEVATION
Scale: 3/32" = 1'-0"



6 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

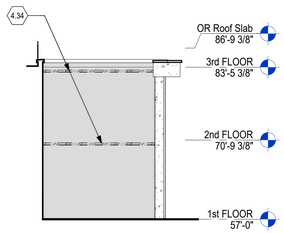
5 EAST ELEVATION
Scale: 3/32" = 1'-0"



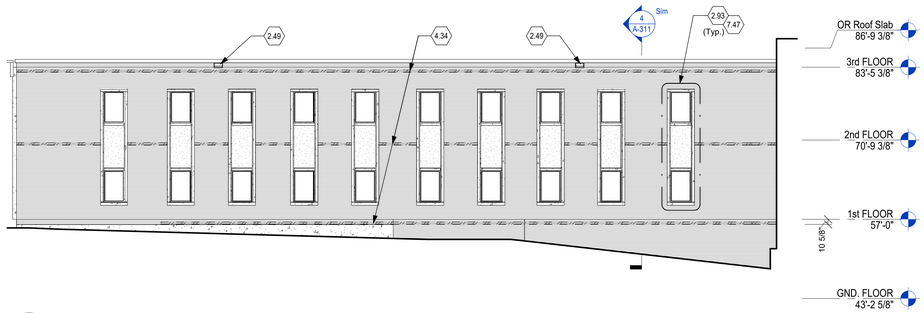
4 NORTH ELEVATION
Scale: 3/32" = 1'-0"

EXTERIOR ELEVATION / GLAZING LEGEND:

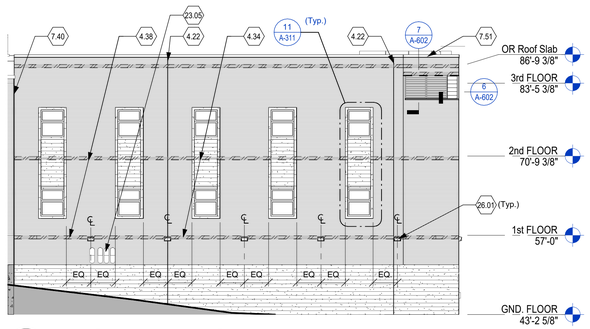
- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.



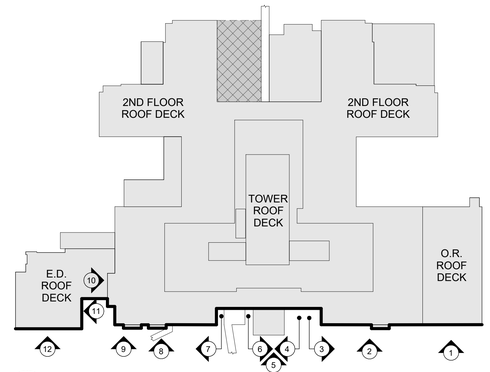
3 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



2 EAST ELEVATION
Scale: 3/32" = 1'-0"



1 EAST ELEVATION
Scale: 3/32" = 1'-0"



N KEY PLAN
Scale: N.T.S.

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELEV. - EAST GRD. - 3RD FL.	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 / Checked: DF / Drawn: RG	Drawing Number: A-203

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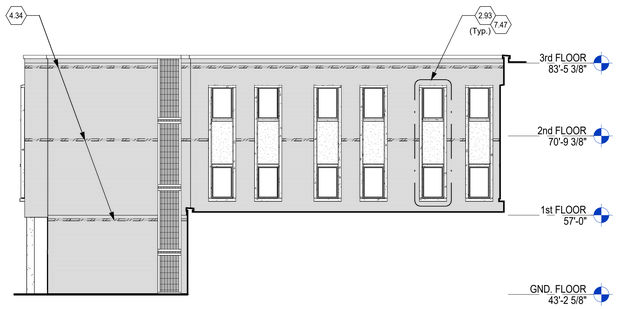
GENERAL NOTES:

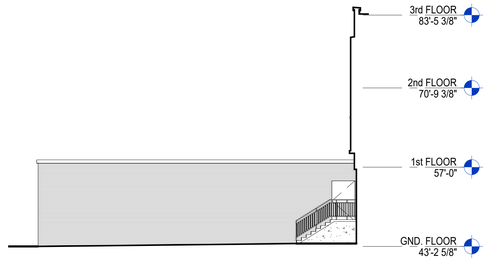
A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

⬡ NOTES:

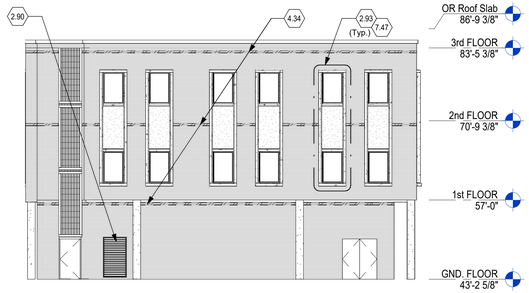
2.45 Existing canopy in foreground. Canopy to remain, protect in place.
2.49 Existing scupper to remain. Protect in place.
2.90 Existing louvers to remain. See Mechanical Drawings.
2.93 Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.34 Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
7.47 Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.
23.01 Mechanical Equipment. See Mechanical Drawings.



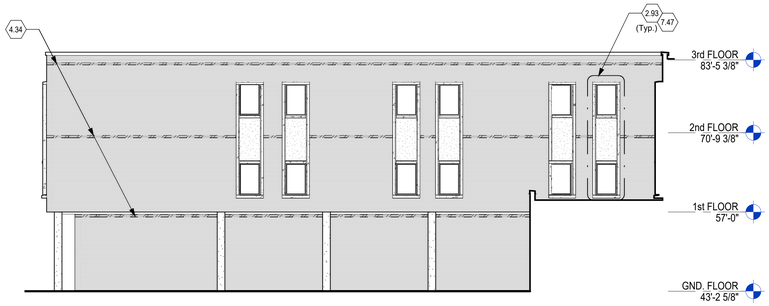
19.1 SOUTH ELEVATION
Scale: 3/32" = 1'-0"
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



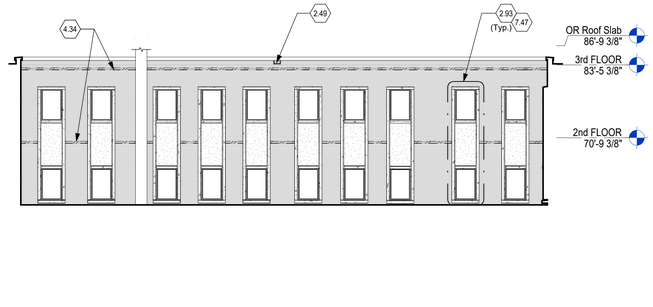
19 SOUTH ELEVATION
Scale: 3/32" = 1'-0"
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



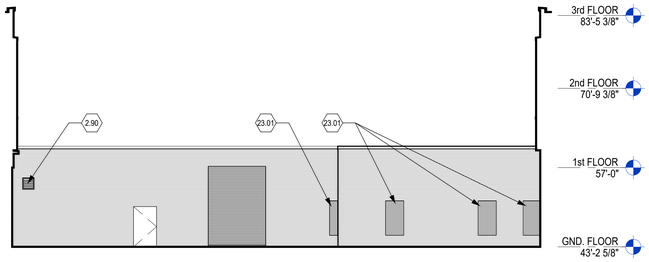
18 SOUTH ELEVATION
Scale: 3/32" = 1'-0"
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



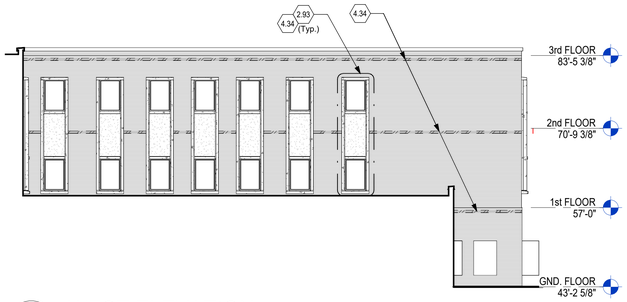
17 EAST ELEVATION
Scale: 3/32" = 1'-0"
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



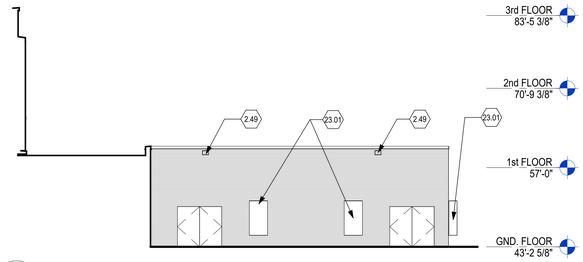
16.1 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



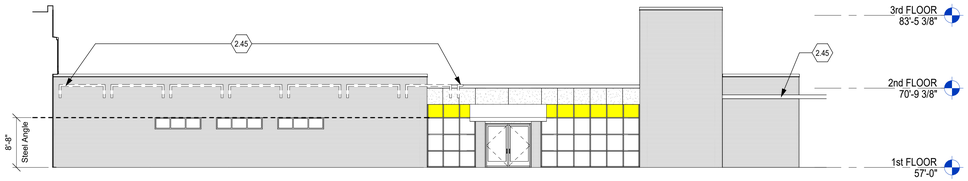
16 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



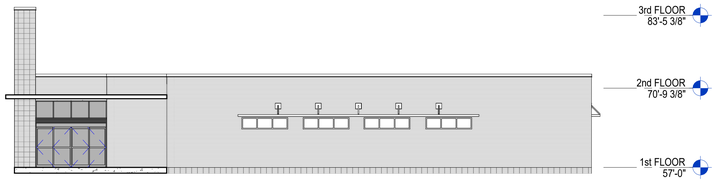
15.1 WEST ELEVATION
Scale: 3/32" = 1'-0"



15 WEST ELEVATION
Scale: 3/32" = 1'-0"



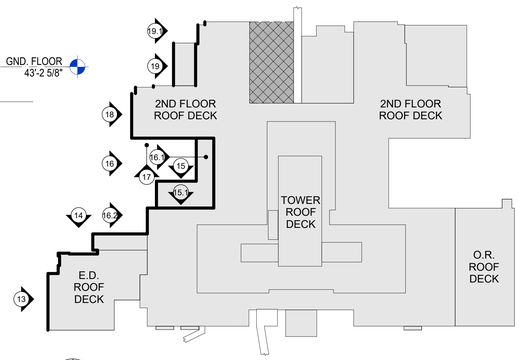
14 WEST ELEVATION
Scale: 3/32" = 1'-0"



13 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

EXTERIOR ELEVATION / GLAZING LEGEND:

- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.



N KEY PLAN
Scale: N.T.S.

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELEV. - SOUTH GRD. - 3RD FL.	Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Location: TAMPA, FLORIDA	Building Number: B1
Issue Date: 01/31/25	Checked: DF
Drawn: RG	Drawing Number: A-204

1/31/2025 11:22:55 AM

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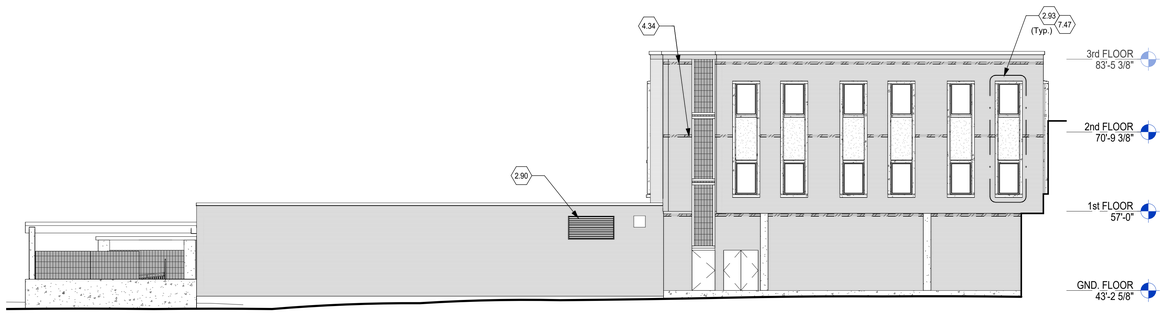
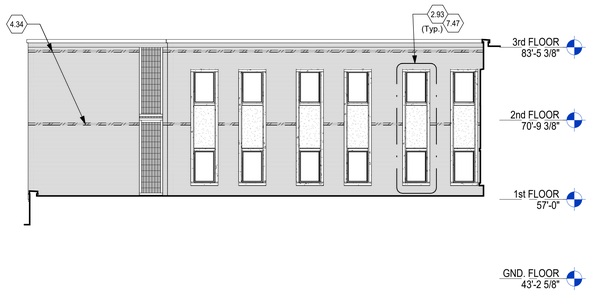


24 WEST ELEVATION

Scale: 3/32" = 1'-0"

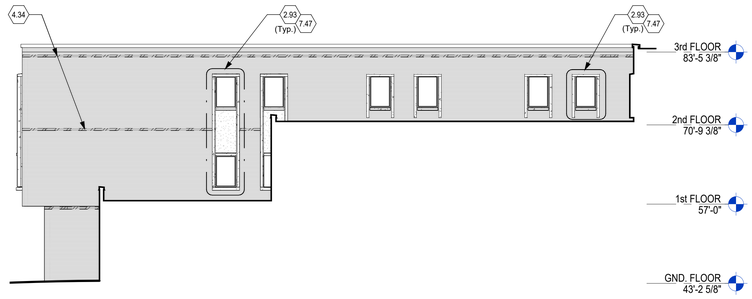
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



24.2 WEST ELEVATION

Scale: 3/32" = 1'-0"

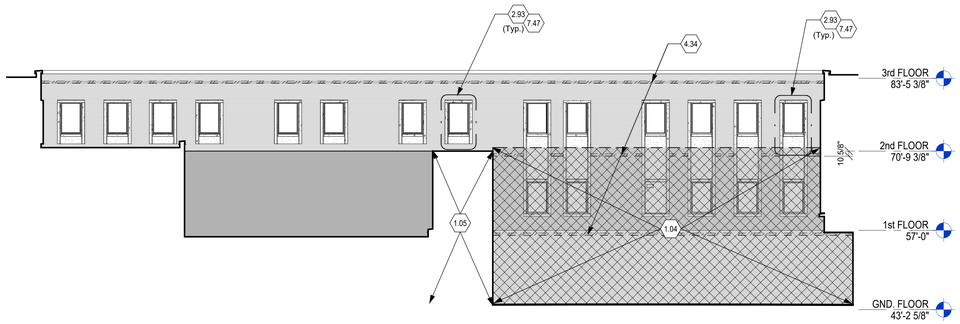
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



23 SOUTH ELEVATION

Scale: 3/32" = 1'-0"

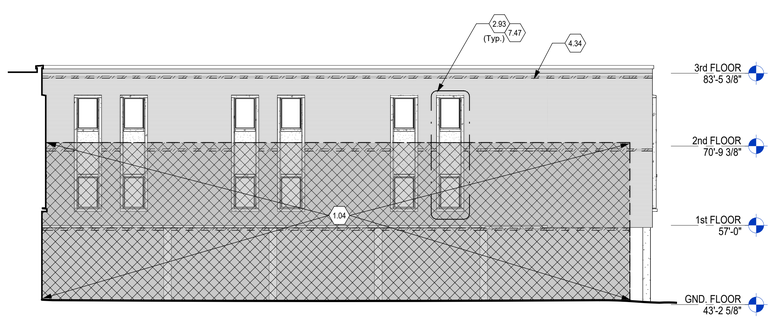
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



22 WEST ELEVATION

Scale: 3/32" = 1'-0"

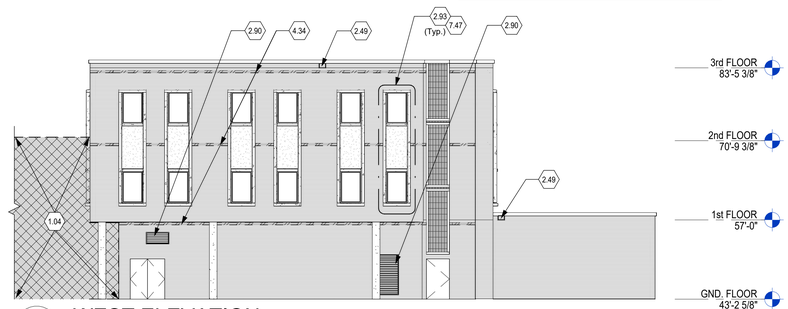
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



21 NORTH ELEVATION

Scale: 3/32" = 1'-0"

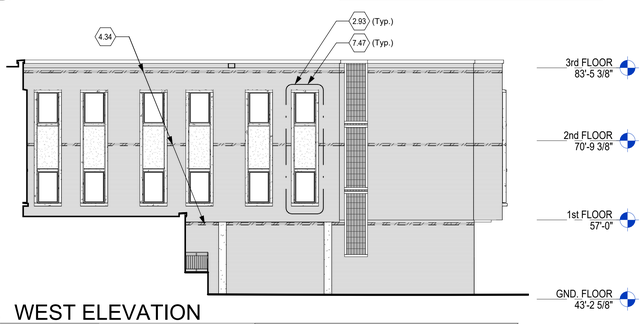
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



20 WEST ELEVATION

Scale: 3/32" = 1'-0"

Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



20.1 WEST ELEVATION

Scale: 3/32" = 1'-0"

Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).

GENERAL NOTES:

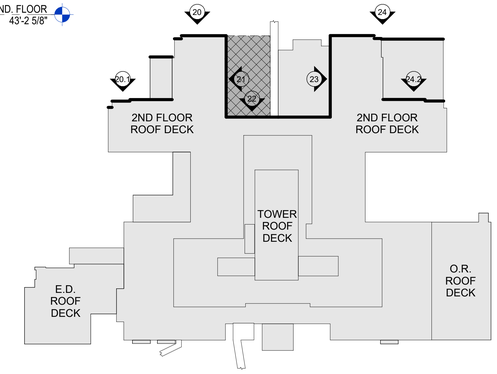
A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

⎔ NOTES:

1.04	Current VA project, this area is Not In Scope.
1.05	RTU Passage to Building 38
2.49	Existing scupper to remain. Protect in place.
2.90	Existing louvers to remain. See Mechanical Drawings.
2.93	Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.34	Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
7.47	Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.

EXTERIOR ELEVATION / GLAZING LEGEND:

- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.



N KEY PLAN

Scale: N.T.S.

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	EXT. ELEV. - WEST GRD. - 3RD FL.
Phase	100% BID DOCUMENTS
Approved:	STATION CHIEF - MICHAEL ROGALA
	FULLY SPRINKLERED
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Location	TAMPA, FLORIDA
Drawing Number	A-205
Issue Date	01/31/25
Checked	DF
Drawn	RG

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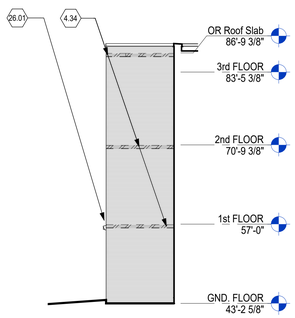
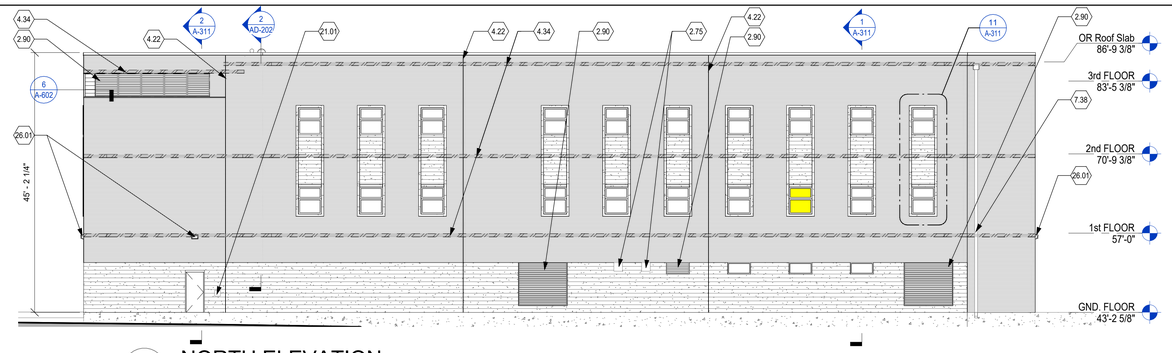


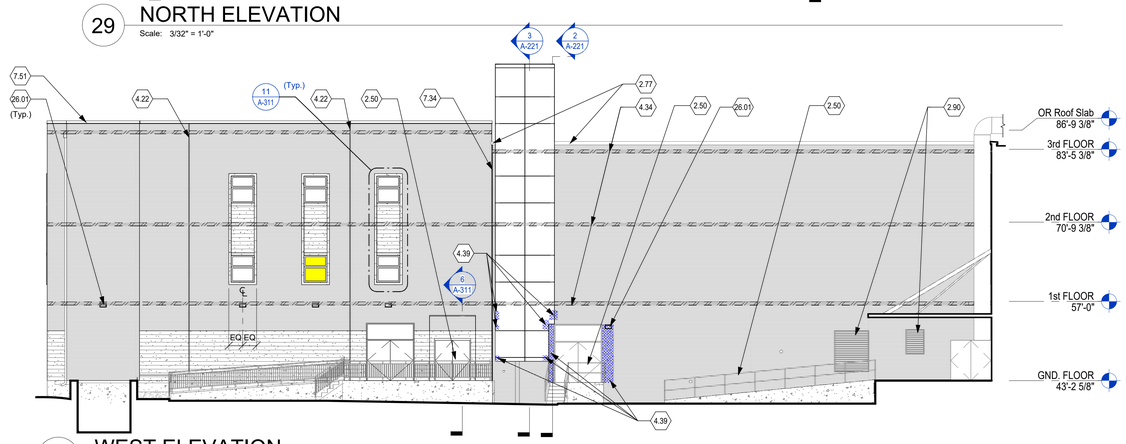
30 SOUTH ELEVATION

Scale: 3/32" = 1'-0"



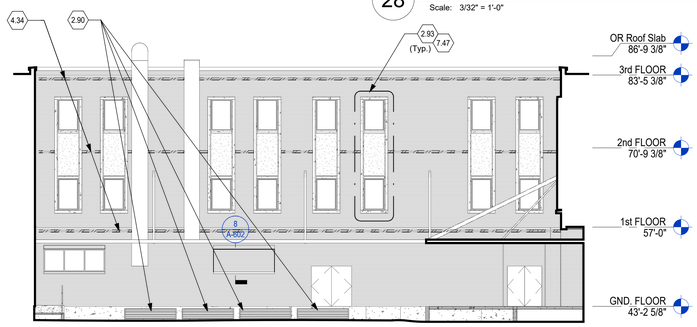
29 NORTH ELEVATION

Scale: 3/32" = 1'-0"



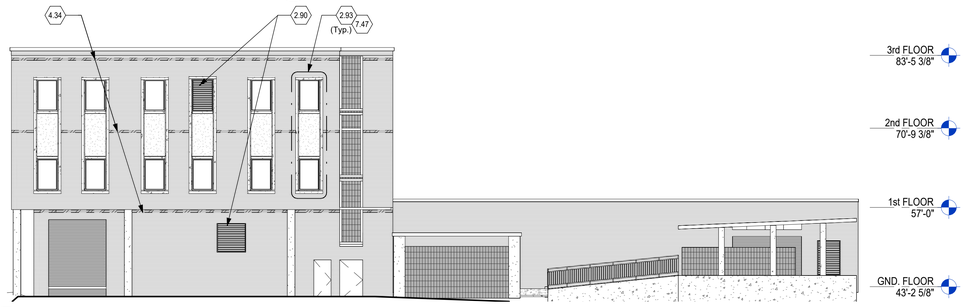
28 WEST ELEVATION

Scale: 3/32" = 1'-0"



27 NORTH ELEVATION

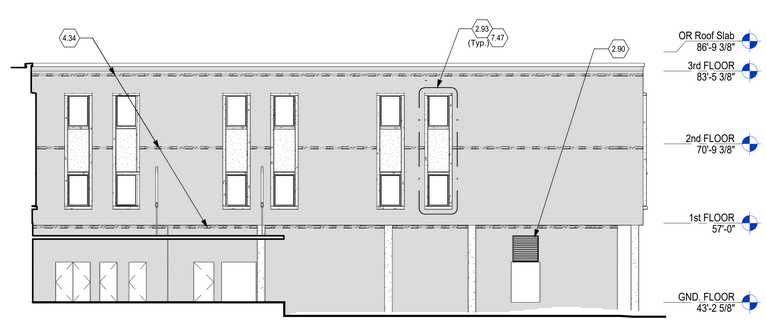
Scale: 3/32" = 1'-0"



25 NORTH ELEVATION

Scale: 3/32" = 1'-0"

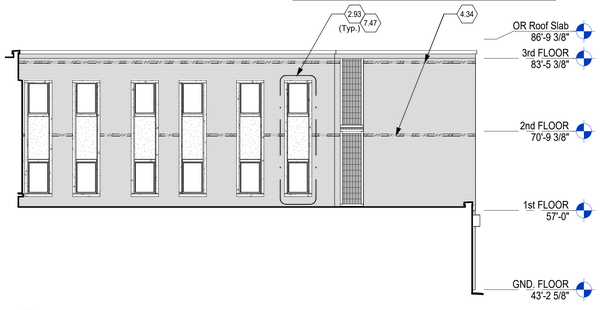
Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



26 EAST ELEVATION

Scale: 3/32" = 1'-0"

Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).



25.1 NORTH ELEVATION

Scale: 3/32" = 1'-0"

Work scope in this elevation is part of BID ITEM #2 (Deduct Alternate).

GENERAL NOTES:

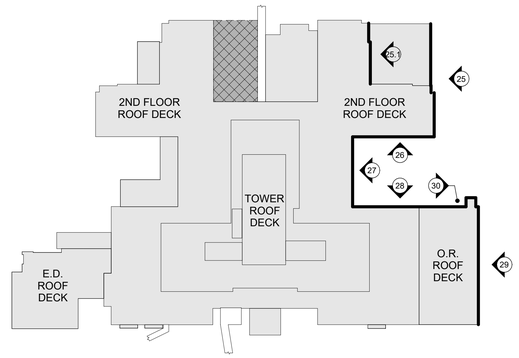
A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

⬡ NOTES:

2.50	Existing metal railing to remain. Protect in place.
2.75	Existing mechanical exhaust to remain. Protect in place.
2.77	Existing coping to remain, protect in place.
2.90	Existing louvers to remain. See Mechanical Drawings.
2.93	Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.22	Masonry control joint.
4.34	Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
4.39	Tooth in and infill masonry wall cavity. Brick and mortar to match existing conditions.
7.34	1" exterior expansion joint system.
7.38	New downspout and scupper box to match existing.
7.47	Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.
7.51	Prefinished metal coping.
21.01	Fire Department Connection fixture. See Fire Protection Drawings.
26.01	Light fixture. See Electrical Drawings.

EXTERIOR ELEVATION / GLAZING LEGEND:

- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.



N KEY PLAN

Scale: N.T.S.

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

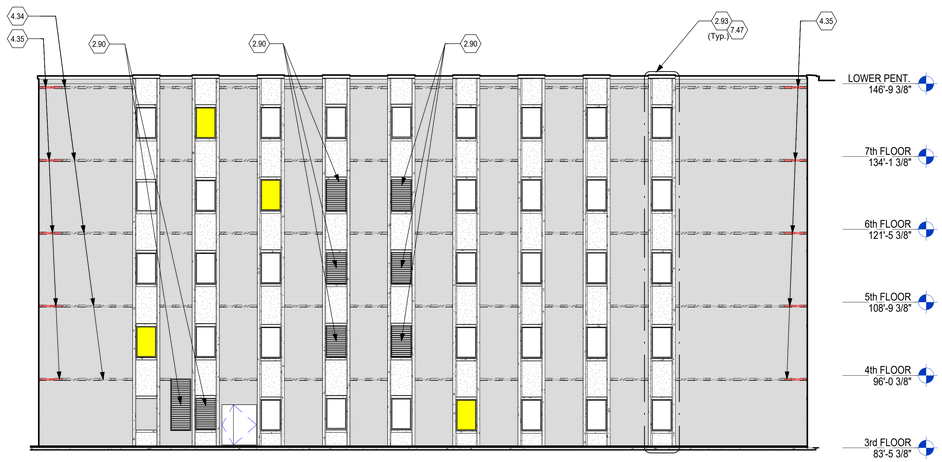
Drawing Title: EXT. ELEV. - NORTH GRD. - 3RD FL.	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 · Checked: DF · Drawn: RG	Drawing Number: A-206

1/31/2025 11:23:06 AM

VA FORM 08 - 6231

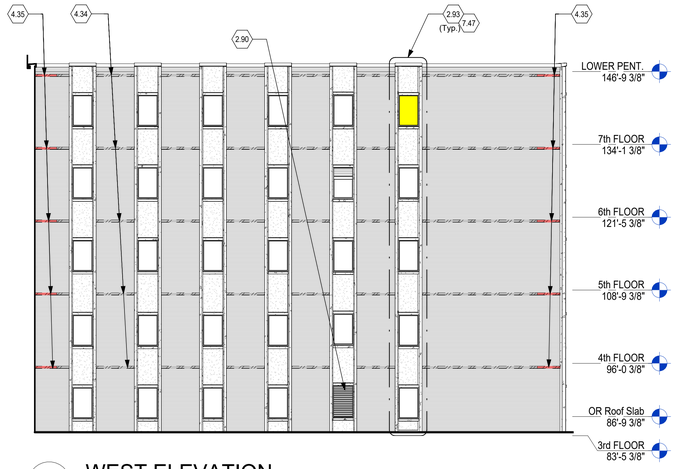
35 WEST ELEVATION

Scale: 3/32" = 1'-0"



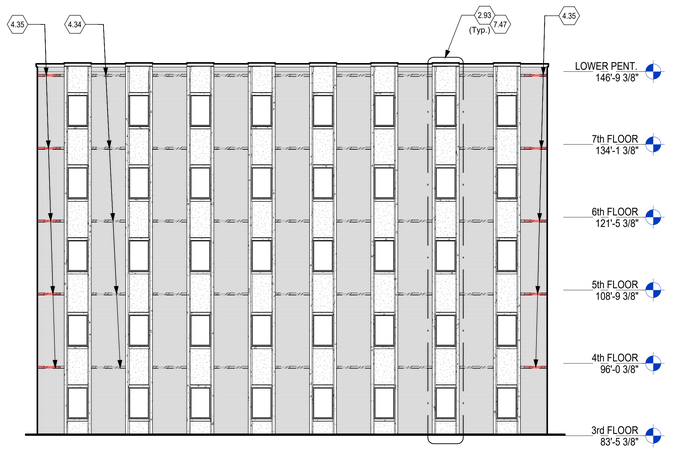
34 SOUTH ELEVATION

Scale: 3/32" = 1'-0"



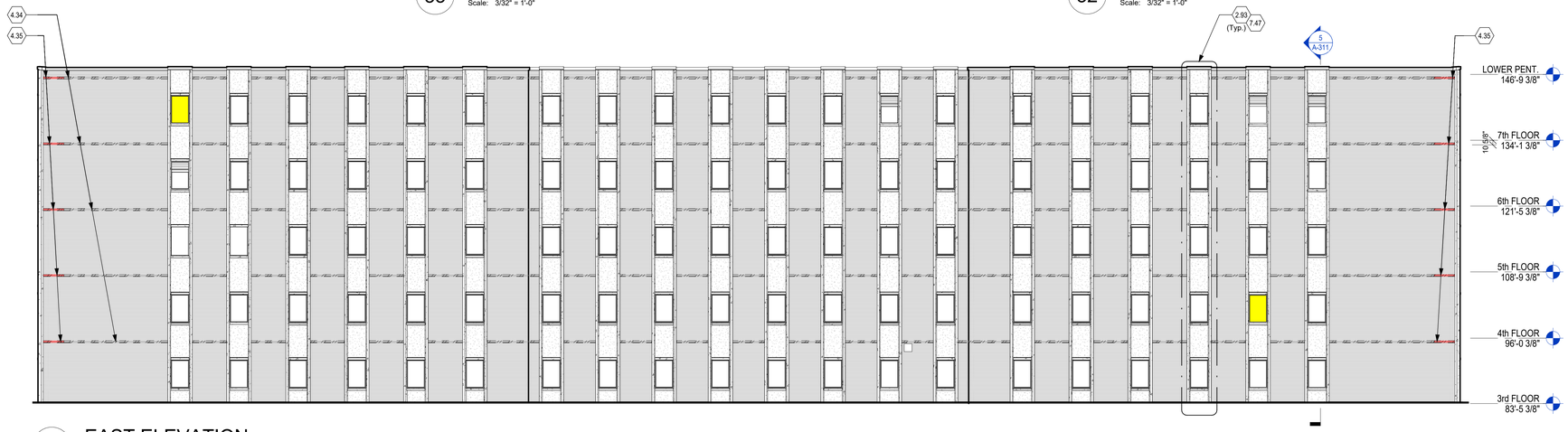
33 WEST ELEVATION

Scale: 3/32" = 1'-0"



32 SOUTH ELEVATION

Scale: 3/32" = 1'-0"



31 EAST ELEVATION

Scale: 3/32" = 1'-0"

GENERAL NOTES:

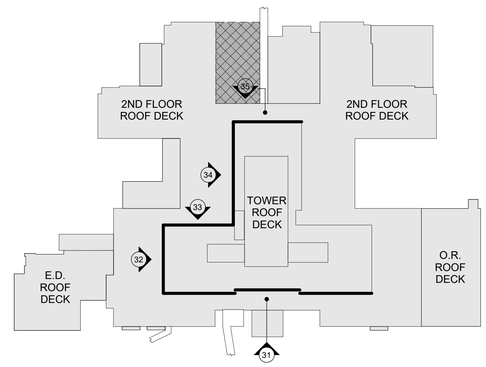
A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

⎔ NOTES:

2.90	Existing louvers to remain. See Mechanical Drawings.
2.93	Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.34	Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
4.35	Recommend masonry removal and reinstallation at shaded areas to install missing relief angles at corners.
7.47	Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.

EXTERIOR ELEVATION / GLAZING LEGEND:

- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.



N KEY PLAN

Scale: N.T.S.

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELEV. - SOUTH 3RD - LWR. PENT.	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 · Checked: DF · Drawn: RG	Drawing Number: A-207

1/31/2025 11:23:11 AM

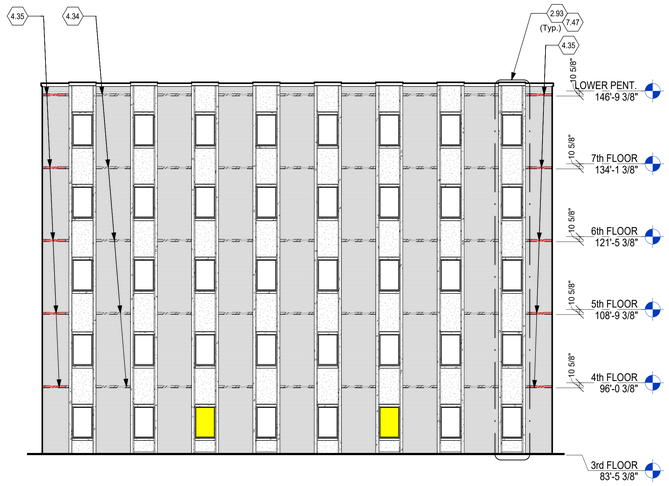
VA FORM 08 - 6231

GENERAL NOTES:

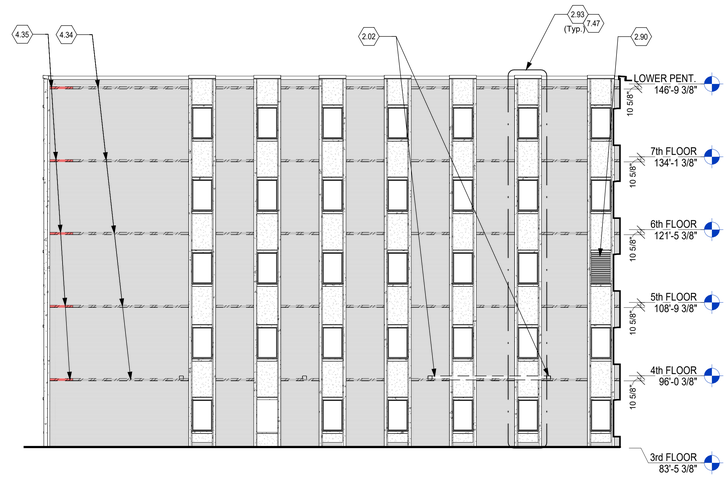
A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

⬡ NOTES:

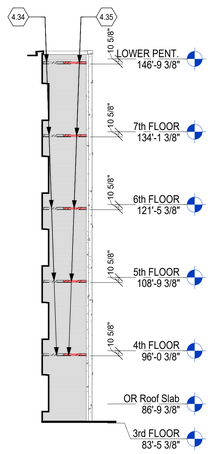
2.02 Existing structure to remain.
2.90 Existing louvers to remain. See Mechanical Drawings.
2.93 Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.34 Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
4.35 Recommend masonry removal and reinstallation at shaded areas to install missing relief angles at corners.
7.47 Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.



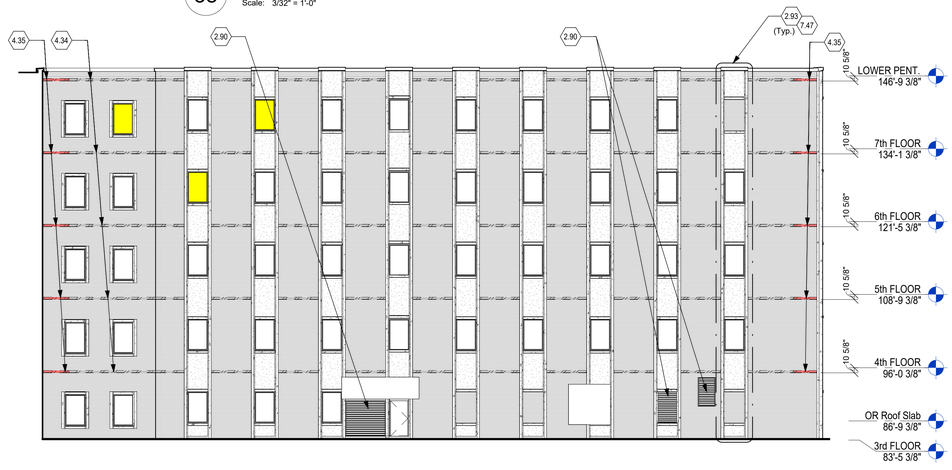
39 NORTH ELEVATION
Scale: 3/32" = 1'-0"



38 WEST ELEVATION
Scale: 3/32" = 1'-0"



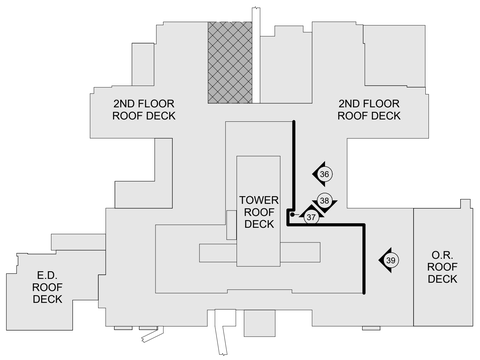
37 EAST ELEV.
Scale: 3/32" = 1'-0"



36 NORTH ELEVATION
Scale: 3/32" = 1'-0"

EXTERIOR ELEVATION / GLAZING LEGEND:

- SPANDREL GLAZING: Refer to New Window Types & Window Schedule.
- CURRENT VA PROJECT: Designated facade/area 'Not in Project Scope'.
- INSTALL RELIEF ANGLE: Assumed relief angle is absent at building corners. Refer to Keynote 4.35.
- REMOVE/REINSTALL BRICK FACADE: As required for removal/installation of through-wall flashing at relief angle. Refer to Keynote 4.34.
- BRICK VENEER REMOVAL: Remove mismatched brick veneer from facade.
- BRICK REMOVAL: Sawcut and remove brick veneer for installation of structural frame.
- BRICK INFILL: Color and texture to match existing brick veneer on facade.
- REPLACE & REPAIR BRICK/CMU: Replace and repair damaged masonry voids to match existing conditions.



N KEY PLAN
Scale: N.T.S.

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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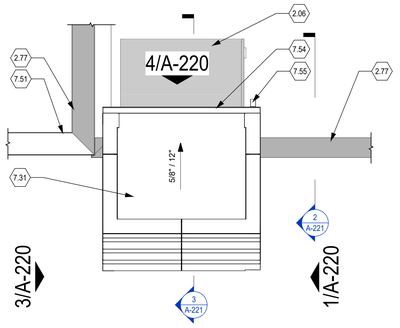
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELEV. - NORTH 3RD - LWR. PENT.	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDCJJPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 · Checked: DF · Drawn: RG	Drawing Number: A-208

1/31/2025 11:23:16 AM

VA FORM 08 - 6231



2/A-220

5 ROOF DECK PLAN

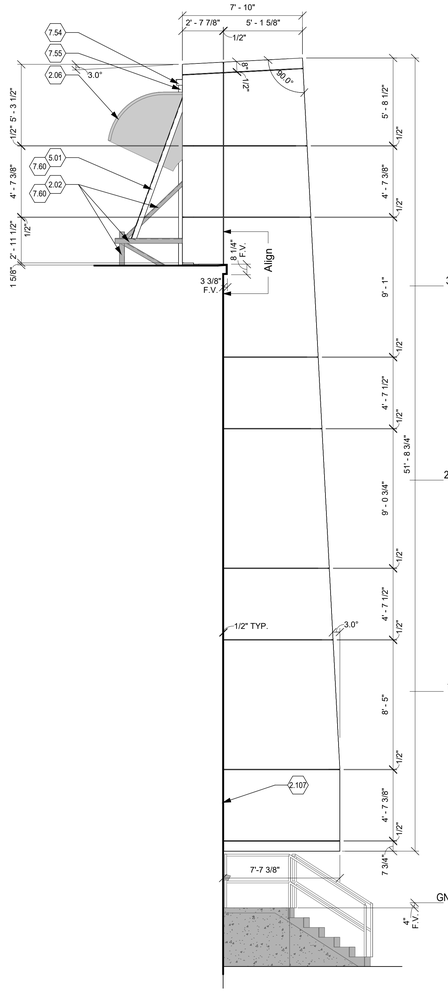
Scale: 1/4" = 1'-0"

GENERAL NOTES:

A. Verify all conditions prior to fabrication, erection, and installation.
B. New brick masonry shall align and course with existing. Match size, color, and coursing of existing face brick & mortar. Verify conditions in field and contact COR or Architect regarding discrepancies.
C. For the extent of demolition on building elevations, refer to sheets AD-202 & A610.
D. Regarding existing building light fixtures, louvers, signs, fire protection connection, and devices on the exterior facade, refer to Plumbing, HVAC, and Electrical Drawings for the scope of work associated with those trades.
E. Exterior elevations show spandrel glazing as shaded windows. Refer to the Window Schedule for additional information.
F. Protect the existing vegetation adjacent to the building during demolition and new construction.

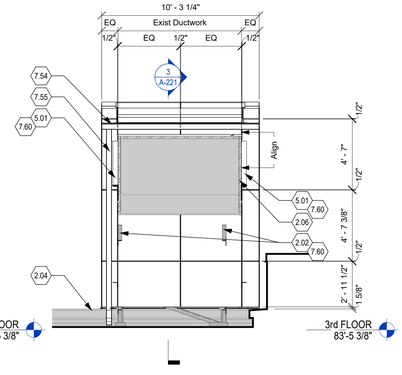
⬡ NOTES:

2.02 Existing structure to remain.
2.04 Existing precast sill to remain, protect in place.
2.06 Existing mechanical ductwork to remain. Protect in place. Refer to Mechanical Drawings.
2.77 Existing coping to remain, protect in place.
2.107 Face of building facade.
5.01 Structural steel frame. See Structural Drawings.
7.31 SBS Modified Bituminous Membrane Roofing: comprised of the sheet roof membrane over ½" cover board, 1 ½" tapered polyisocyanurate board, and ½" substrate board over an 1 ½" structural metal deck.
7.51 Prefinished metal coping.
7.54 Prefinished 5" x 5" metal gutter.
7.55 Prefinished 4" x 5" metal downspout.
7.60 Seal voids at structural penetrations through metal panels, typ.



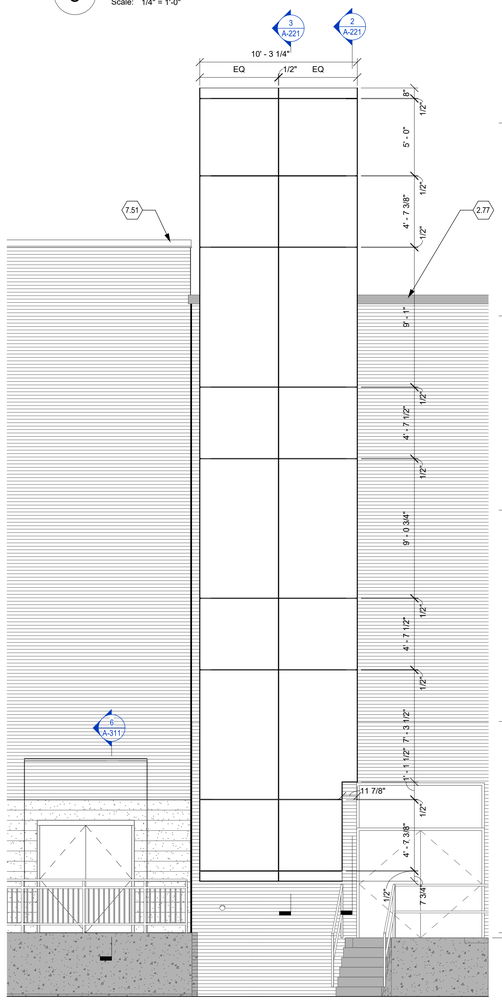
3 West Duct - North Elevation

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



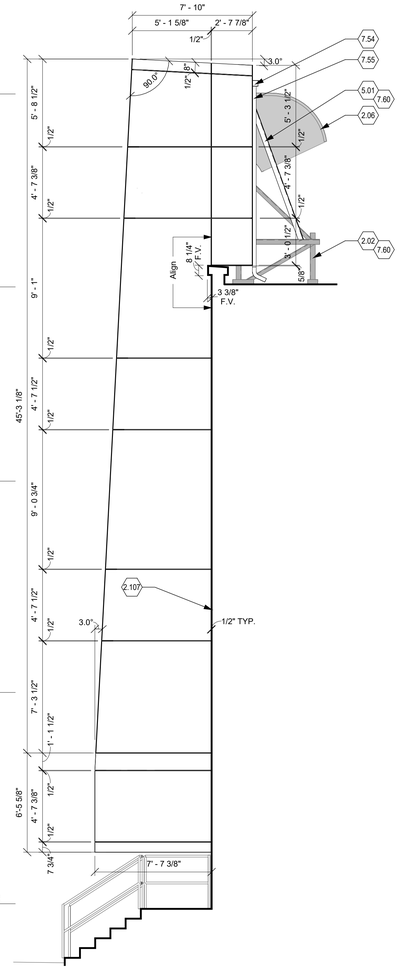
4 West Duct - East Elevation

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



2 West Duct - West Elevation

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



1 West Duct - South Elevation

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

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WEST DUCT - ENL. ELEV.	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 / Checked: DF / Drawn: AC	Drawing Number: A-220

1/31/2025 11:23:21 AM

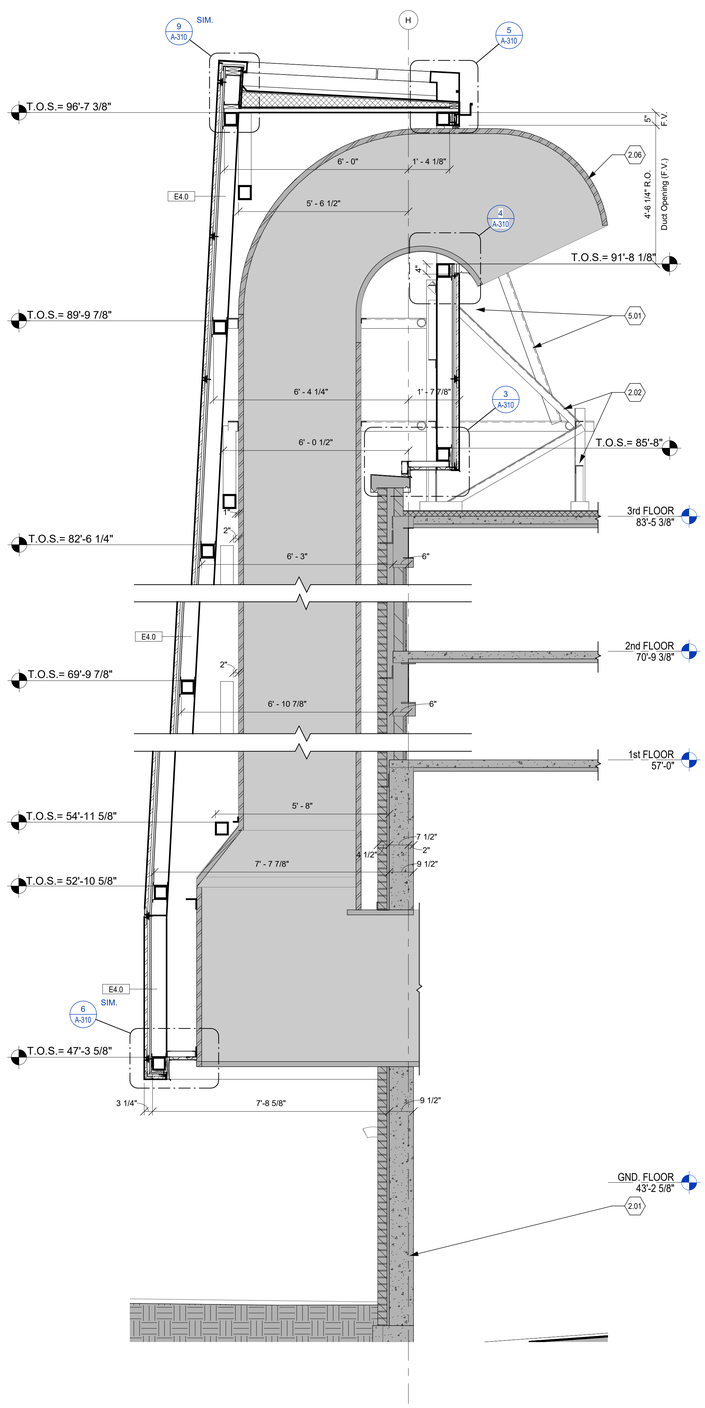
VA FORM 08 - 6231

GENERAL NOTES - WALL SECTIONS

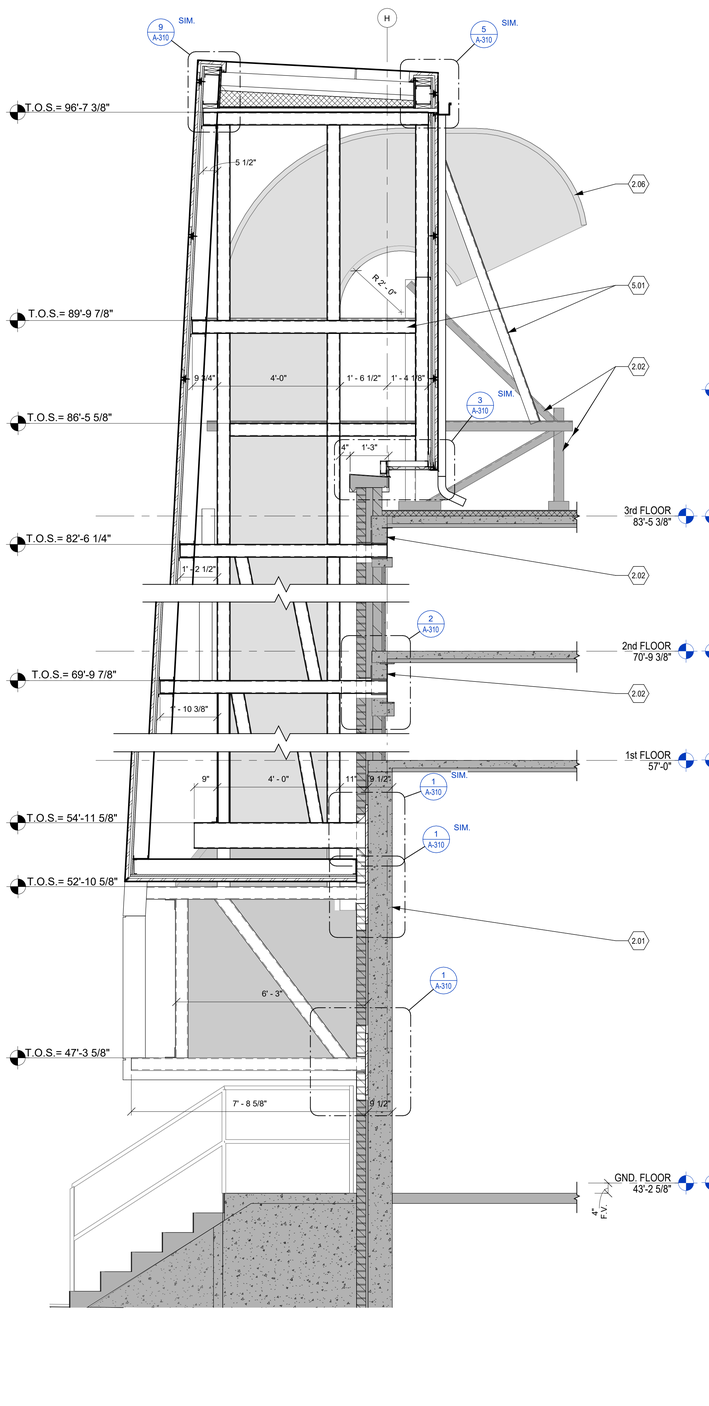
A. All wood blocking shall be fire retardant U.N.O.
B. New brick veneer shall align with existing and match existing conditions.
C. Verify all conditions prior to fabrication, erection, and installation.
D. For Wall Types refer to sheet A-602.

⬡ NOTES:

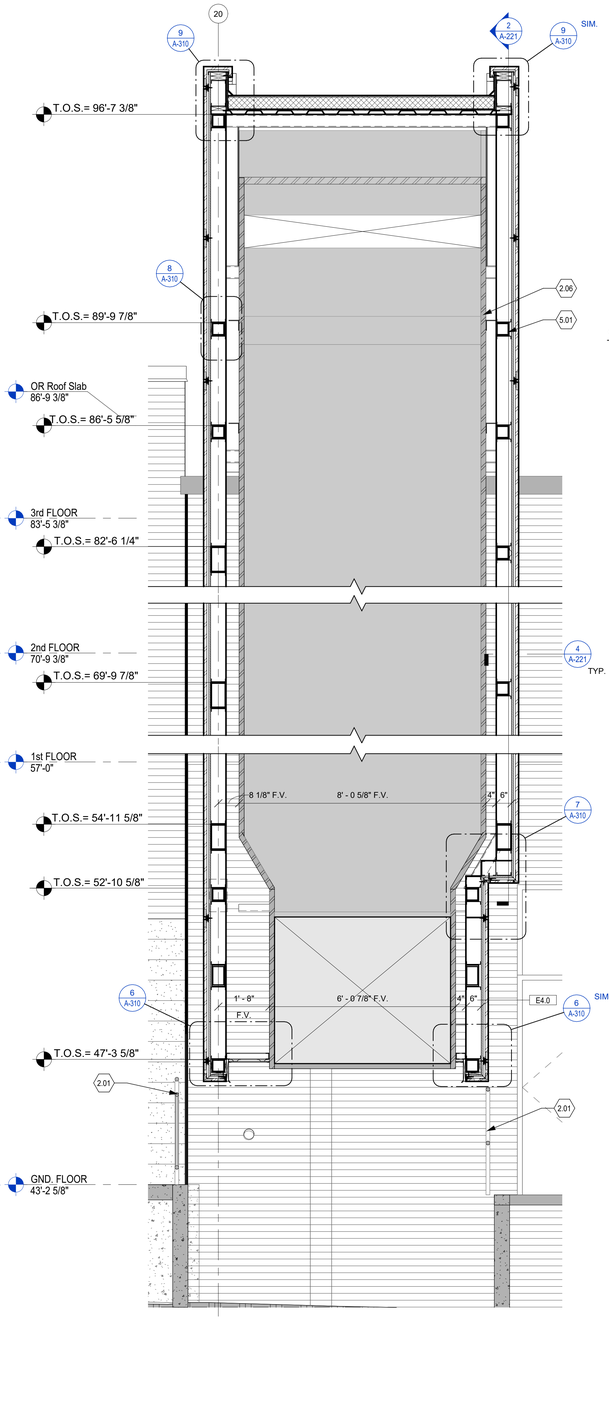
2.01 Existing construction to remain, protect in place.
2.02 Existing structure to remain.
2.06 Existing mechanical ductwork to remain. Protect in place. Refer to Mechanical Drawings.
5.01 Structural steel frame. See Structural Drawings.



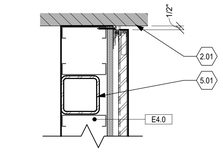
3 West Duct - Enclosure Section
Scale: 1/2" = 1'-0"



2 West Duct - Enclosure Section
Scale: 1/2" = 1'-0"



1 West Duct - Enclosure Section
Scale: 1/2" = 1'-0"



4 TYP. PLAN DTL.
Scale: 1 1/2" = 1'-0"

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Revisions	Date
100% BID DOCUMENTS	01/31/2025

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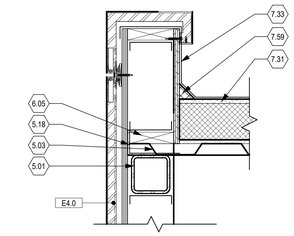
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

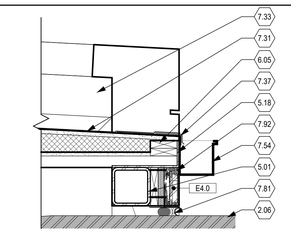
Drawing Title: WEST DUCT - WALL SECTIONS	Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE		Project Number: VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
		Building Number: B1
Location: TAMPA, FLORIDA		Drawing Number: A-221
Issue Date: 01/31/25	Checked: DF	Drawn: RG

VA FORM 08 - 6231



9 PARAPET SECTION DTL.
Scale: 1 1/2" = 1'-0"



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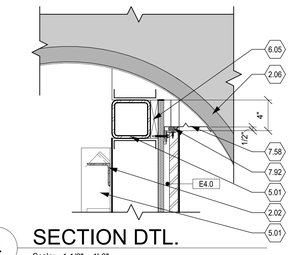
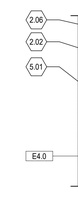
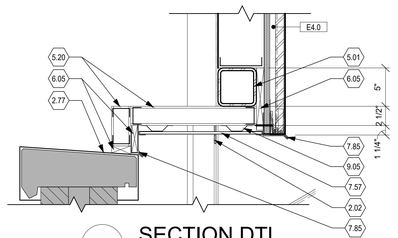


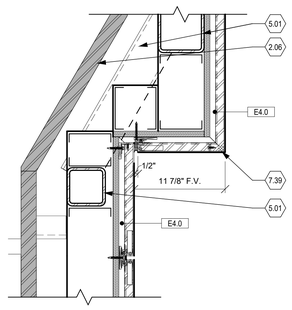
4 SECTION DTL.
Scale: 1 1/2" = 1'-0"



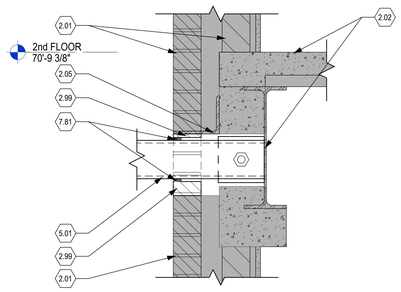
8 SECTION DTL.
Scale: 1 1/2" = 1'-0"



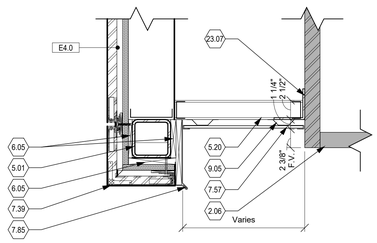
3 SECTION DTL.
Scale: 1 1/2" = 1'-0"



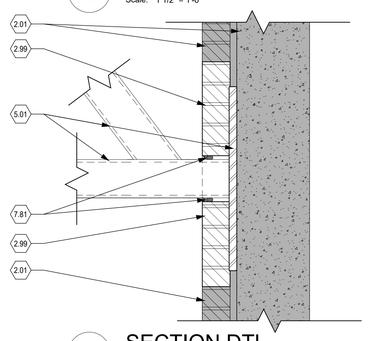
7 SECTION DTL.
Scale: 1 1/2" = 1'-0"



2 SECTION DTL.
Scale: 1 1/2" = 1'-0"



6 SECTION DTL.
Scale: 1 1/2" = 1'-0"



1 SECTION DTL.
Scale: 1 1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

A. All wood blocking shall be fire retardant U.N.O.
B. New brick veneer shall align with existing and match existing conditions.
C. Verify all conditions prior to fabrication, erection, and installation.
D. For Wall Types refer to sheet A-602.

⎔ NOTES:

2.01 Existing construction to remain, protect in place.
2.02 Existing structure to remain.
2.05 Existing brick ledge to remain. Assumed location within the wall, field verify.
2.06 Existing mechanical ductwork to remain. Protect in place. Refer to Mechanical Drawings.
2.77 Existing coping to remain, protect in place.
2.99 Sawcut brick veneer as needed for the installation of structural steel to existing beam. Refer to Structural Drawings. Once steel installation is complete infill wall cavity with salvaged brick.
5.01 Structural steel frame. See Structural Drawings.
5.03 Metal deck. See Structural Drawings.
5.18 Bent plate.
5.20 2 1/2" cold formed metal framing @ 12" O.C. See Structural Drawings.
6.05 2" x __" pressure-treated wood blocking.
7.31 SBS Modified Bituminous Membrane Roofing: comprised of the sheet roof membrane over ½" cover board, 1 ½" tapered polyisocyanurate board, and ½" substrate board over an 1 ½" structural metal deck.
7.33 Extend membrane [flashing] up back of parapet, over blocking and turn down exterior face of blocking.
7.37 Drip edge flashing, per manufacturer's recommendations.
7.39 Composite metal panel weep holes.
7.54 Prefinished 5" x 5" metal gutter.
7.57 Aluminum vented soffit panels.
7.58 Aluminum break metal filler with end closures.
7.59 Fiberboard cant.
7.81 Continuous silicone sealant over backer rod.
7.85 Continuous drip edge flashing with cleat.
7.92 Sealant with backer rod.
9.05 7/8" [Z or hat] furring channel @ 16" o.c.
23.07 New vertical duct support angle. See Mechanical Drawings.

1/31/2025 11:23:27 AM

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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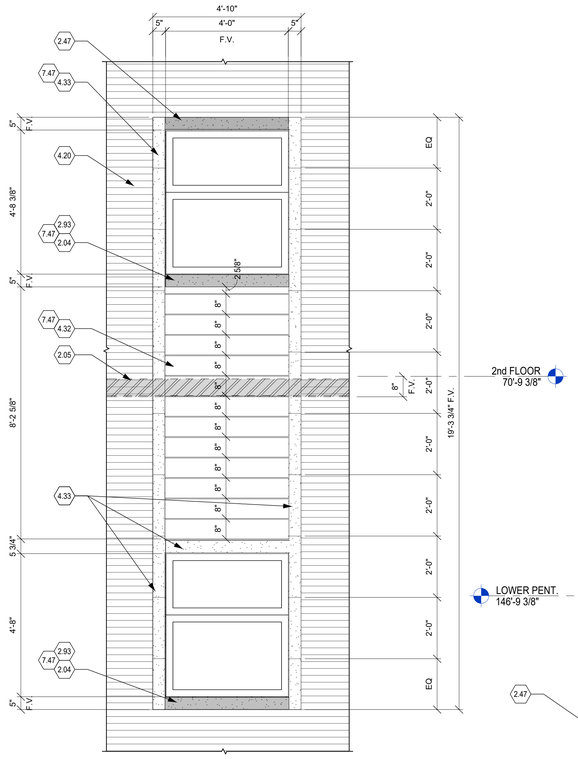
STATE OF FLORIDA · JASON H. ROSS · AR101907 · REGISTERED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: DETAILS
Phase: 100% BID DOCUMENTS
Project Title: RESTORATION OF BUILDING 1 ENVELOPE
Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA
Location: TAMPA, FLORIDA
Drawing Number: A-310
Issue Date: 01/31/25
Checked: DF
Drawn: VR

VA FORM 08 - 6231

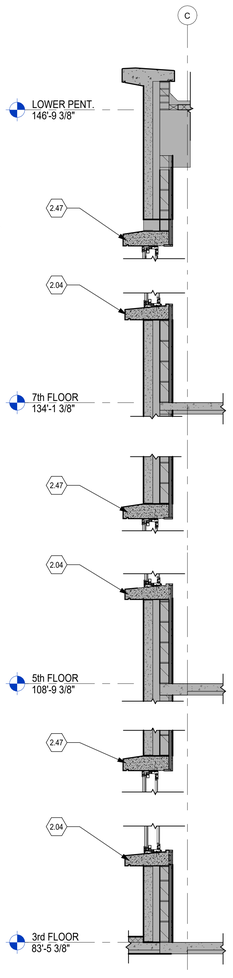


11 NORTH ELEVATION O.R. BUILDING

Scale: 1/2" = 1'-0"

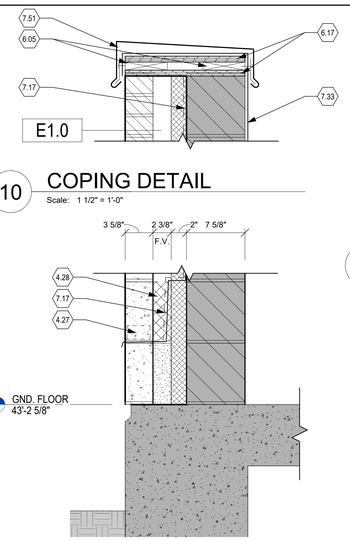
6 WALL SECTION

Scale: 1/2" = 1'-0"



5 WALL SECT. @ WINDOWS

Scale: 1/2" = 1'-0"

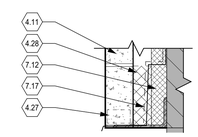


8 WALL DETAIL

Scale: 1 1/2" = 1'-0"

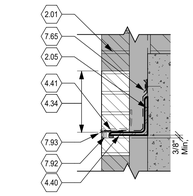
10 COPING DETAIL

Scale: 1 1/2" = 1'-0"



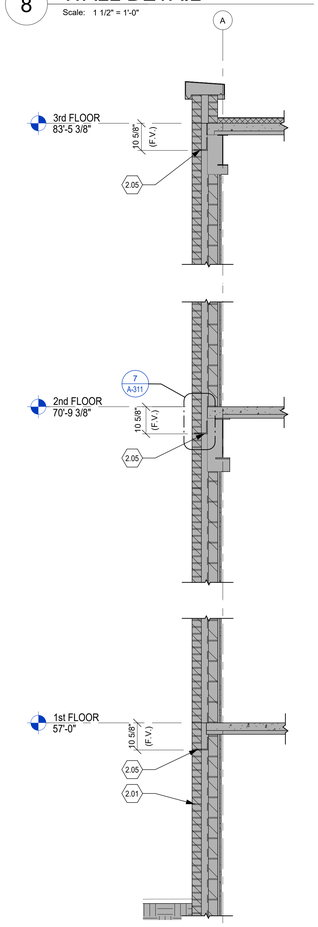
9 WALL DETAIL

Scale: 1 1/2" = 1'-0"



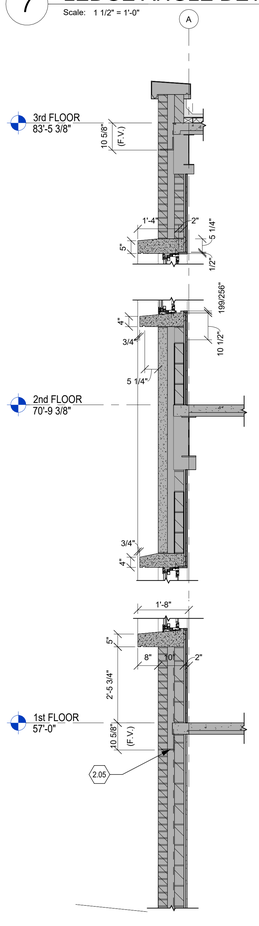
7 LEDGE ANGLE DETAIL

Scale: 1 1/2" = 1'-0"



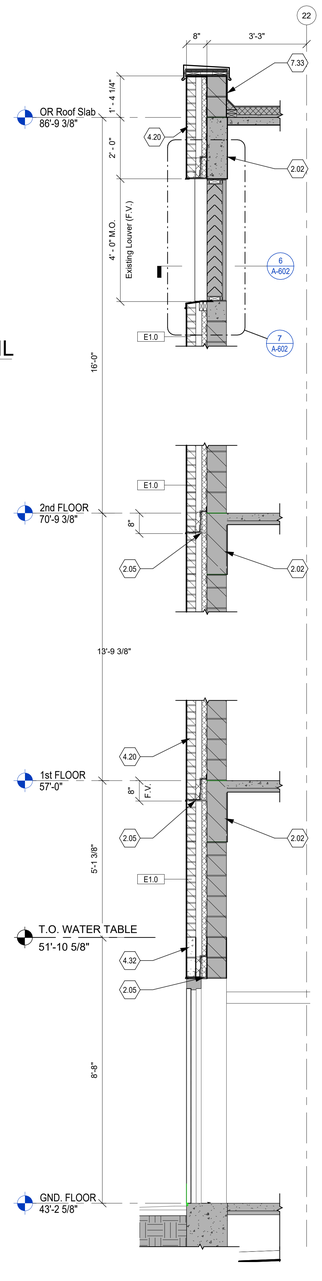
4 WALL SECTION

Scale: 1/2" = 1'-0"



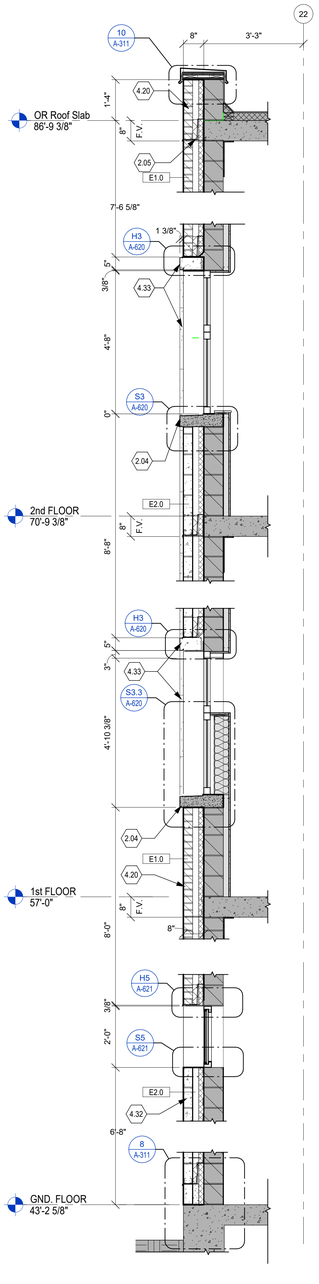
3 WALL SECT. @ WINDOWS

Scale: 1/2" = 1'-0"



2 O.R. EXT. WALL SECT.

Scale: 1/2" = 1'-0"



1 O.R. EXT. WALL SECTION

Scale: 1/2" = 1'-0"

GENERAL NOTES - WALL SECTIONS

A. All wood blocking shall be fire retardant U.N.O.
B. New brick veneer shall align with existing and match existing conditions.
C. Verify all conditions prior to fabrication, erection, and installation.
D. For Wall Types refer to sheet A-602.

⎔ NOTES:

2.01 Existing construction to remain, protect in place.
2.02 Existing structure to remain.
2.04 Existing precast sill to remain, protect in place.
2.05 Existing brick ledge to remain. Assumed location within the wall, field verify.
2.47 Existing precast header to remain, protect in place.
2.92 Remove & reinstall the existing recessed light. See Electrical Drawings.
2.93 Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.
4.11 4" concrete masonry unit.
4.20 Modular face brick. Size: 3-5/8" x 2 1/4" x 7 5/8".
4.27 Full joint weep/vent @ 24" O.C. horizontal.
4.28 Cavity drainage mesh.
4.32 Modular precast units. Size: 4" x 8" x 24". Texture: Ground face. Flush struck mortar joint.
4.33 Precast trim unit. Texture: Ground face. Flush struck mortar joint.
4.34 Remove and replace through-wall flashing and brick weeps at existing relief angles. Remove and reinstall face brick per detail #7, sheet a-311
4.40 Saw cut brick (under angle)to provide new wider horizontal joint (min. 3/8" joint).
4.41 Provide weep cords @ 16" o.C.
5.07 6" cold formed metal framing @ 12" O.C. See Structural Drawings.
6.05 2" x __" pressure-treated wood blocking.
6.17 3/4" exterior grade plywood.
7.12 Rigid thermal wall insulation, R-12 min.
7.17 Fluid-applied air and water barrier. Lap air and water barrier over the thru-wall flashing with transition membrane.
7.33 Extend membrane [flashing] up back of parapet, over blocking and turn down exterior face of blocking.
7.47 Apply a 2-part waterproofing coating system to all exposed precast concrete surfaces.
7.51 Prefinished metal coping.
7.65 New 40 mil epdm flashing with termination bar. Provide contin. Sealant in termination bar.
7.90 Batt thermal insulation.
7.92 Sealant with backer rod.
7.93 Metal flashing. Trim flashing to extend 1/4" past face of brick.
9.82 5/8" ext. Cement board w/ plaster veneer finish.

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Revisions	Date
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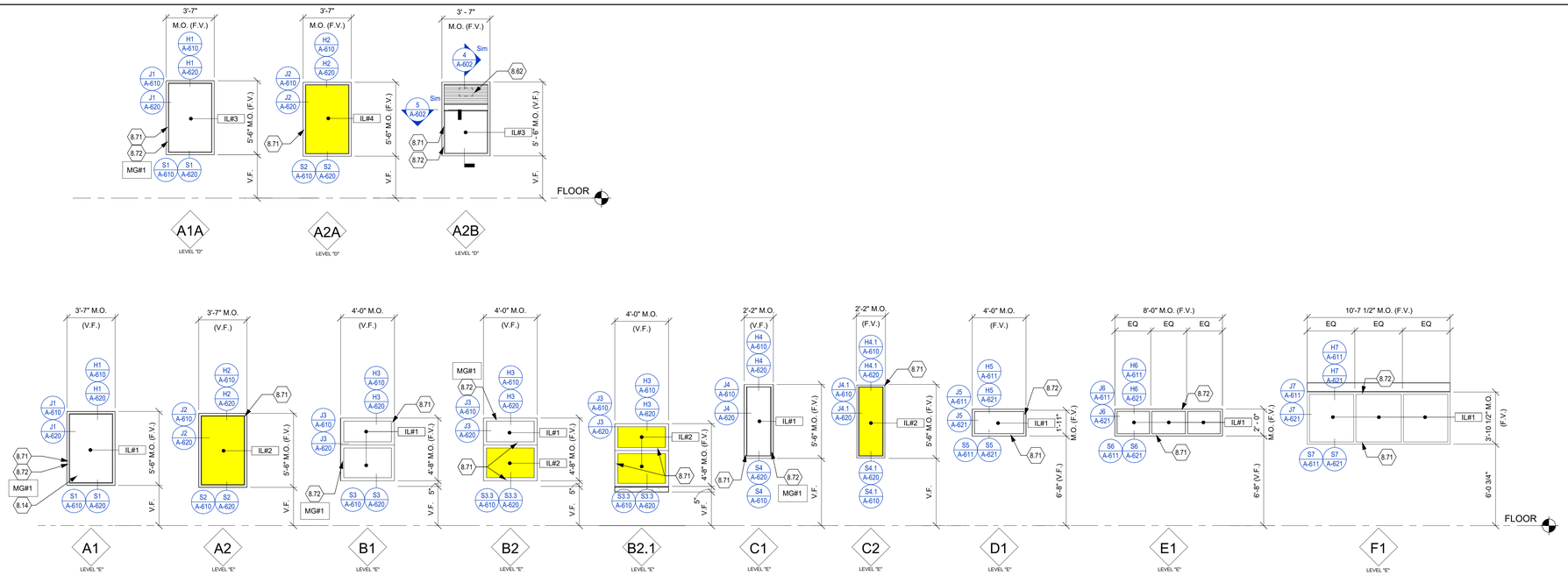
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

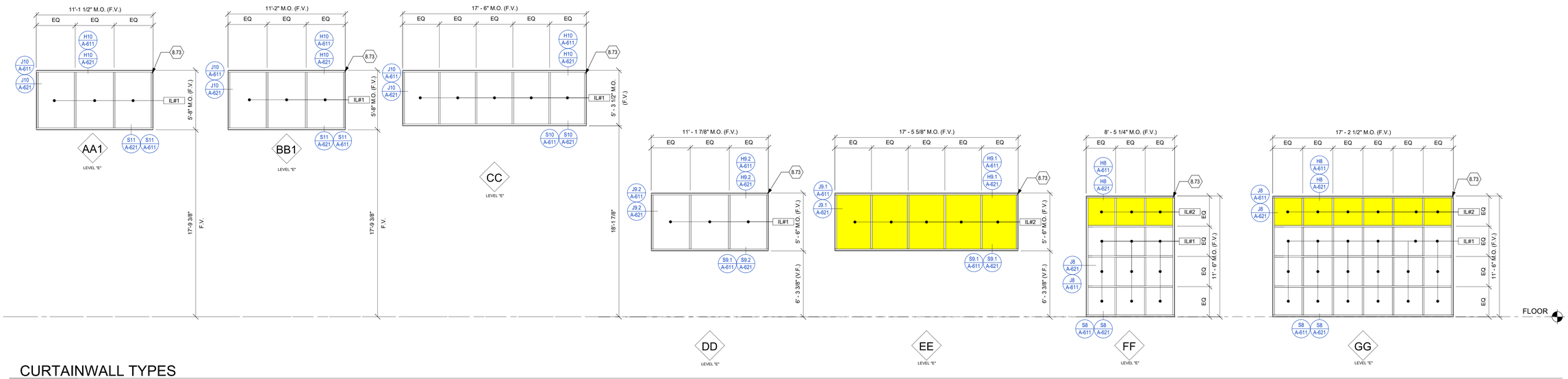
Drawing Title: DETAILS & WALL SECTIONS
Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA
FULLY SPRINKLERED
Project Title: RESTORATION OF BUILDING 1 ENVELOPE
Location: TAMPA, FLORIDA
Issue Date: 01/31/25
Checked: DF
Drawn: AC
Project Number: VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number: B1
Drawing Number: A-311

VA FORM 08 - 6231



ALUMINUM WINDOW TYPES

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



CURTAINWALL TYPES

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

GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

⬡ NOTES:

8.14 Horizontal pivoted aluminum window (double-glazed) with a Venetian blind.
8.62 Prefinished aluminum louver with bird screen and insulated blank off-panel.
8.71 Fixed alum. Exterior window unit. Impact rating as noted.
8.72 Operable alum. Interior glazed unit w/ integral blinds.
8.73 Alum. Exterior curtainwall unit. Impact rating as noted.

GLAZING LEGEND:

SPANDREL GLAZING: Refer to New Window Types & Window Schedule.

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title: NEW WINDOW TYPES	Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE			Project Number: VA Project No. 673-21-116; RDCJPA Project No. 22004.00
			Building Number: B1
Location: TAMPA, FLORIDA			Drawing Number: A-601
Issue Date: 01/31/25	Checked: DF	Drawn: RG	

VA FORM 08 - 6231

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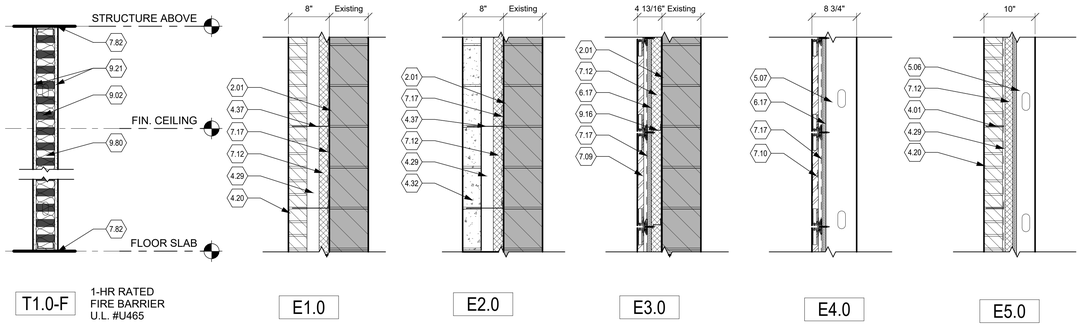
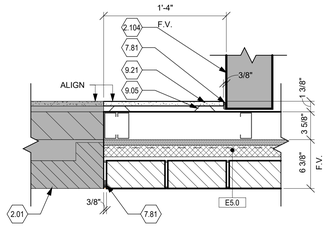


T1.0-F 1-HR RATED FIRE BARRIER U.L. #U465

E1.0 E2.0 E3.0 E4.0 E5.0

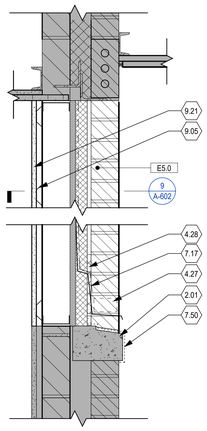
WALL TYPES

Scale: 1" = 1'-0"



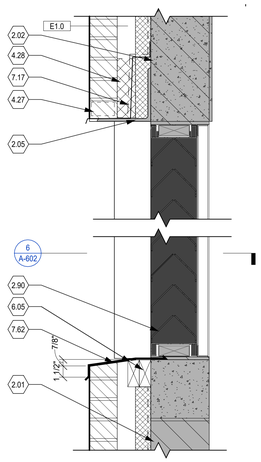
9 BRICK INFILL @ JAMB

Scale: 1 1/2" = 1'-0"



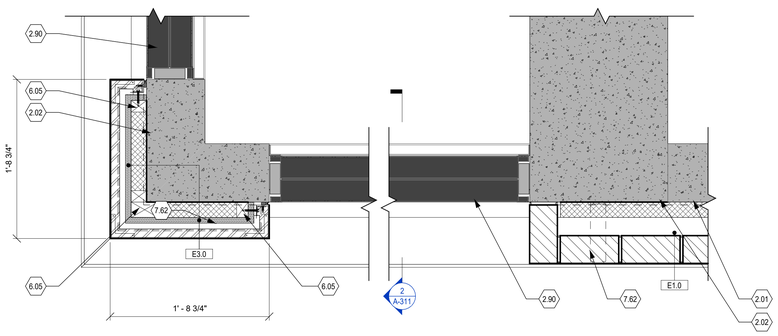
8 BRICK INFILL SECT.

Scale: 1 1/2" = 1'-0"



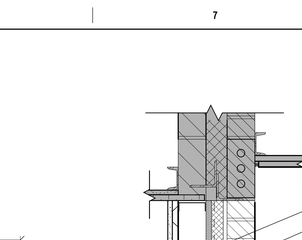
7 DETAIL @ EXIST. LOUVER

Scale: 1 1/2" = 1'-0"



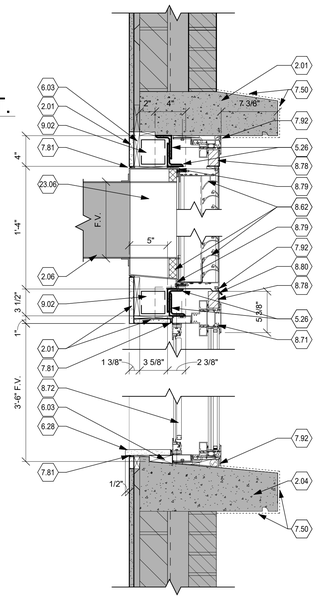
6 PLAN DETAIL @ EXIST LOUVERS

Scale: 1 1/2" = 1'-0"



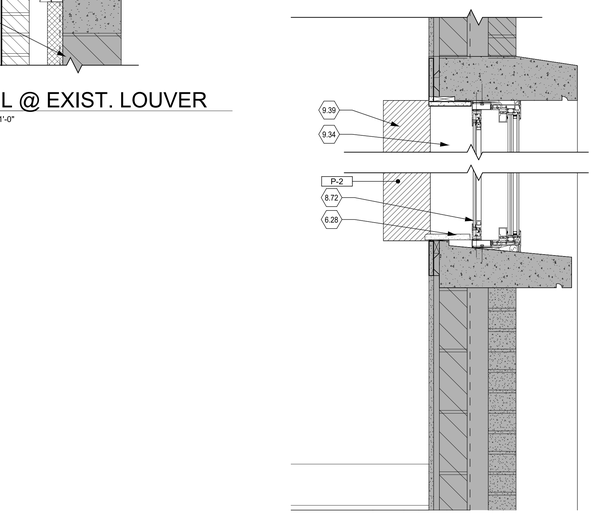
5 JAMB DTL @ A2B

Scale: 1 1/2" = 1'-0"



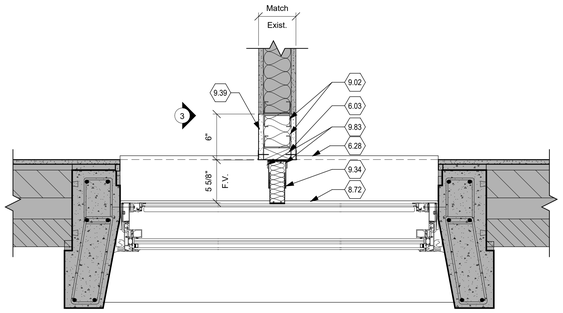
4 WINDOW SECTION @A2B

Scale: 1 1/2" = 1'-0"



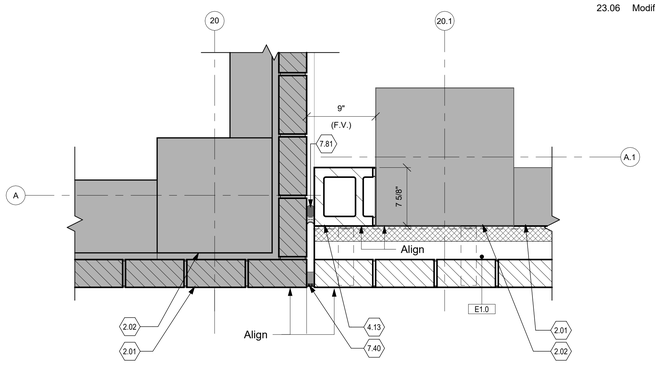
3 ELEVATION

Scale: 1 1/2" = 1'-0"



2 PLAN DETAIL

Scale: 1 1/2" = 1'-0"



1 PLAN DETAIL

Scale: 1 1/2" = 1'-0"

GENERAL NOTES:

A. All wood blocking shall be fire retardant.
B. Field verify all existing window openings and conditions prior to fabrication.
C. Patch, repair, and paint plaster or gypsum walls adjacent to window opening damaged due to water infiltration to match adjacent finish surfaces.
D. All dimensions taken from face of gypsum wallboard or unit masonry.
F. Seal joints between finish material and window frames.

⬡ NOTES:

2.01 Existing construction to remain, protect in place.
2.02 Existing structure to remain.
2.04 Existing precast sill to remain, protect in place.
2.05 Existing brick ledge to remain. Assumed location within the wall, field verify.
2.06 Existing mechanical ductwork to remain. Protect in place. Refer to Mechanical Drawings.
2.46 Existing precast jamb to remain, protect in place.
2.90 Existing louvers to remain. See Mechanical Drawings.
2.104 Existing freezer/cooler unit to remain.
4.01 Brick veneer.
4.13 8" concrete masonry unit. See Structural Drawings.
4.20 Modular face brick. Size: 3-5/8" x 2 1/4" x 7 5/8".
4.27 Full joint weep/vent @ 24" O.C. horizontal.
4.28 Cavity drainage mesh.
4.29 Airspace.
4.32 Modular precast units. Size: 4" x 8" x 24". Texture: Ground face. Flush struck mortar joint.
4.37 Brick tie @ 16" O.C. horizontal and 16" O.C. vertical. Brick tie shall be flashed into air/water barrier prior to brick installation.
5.06 3-5/8" cold formed metal framing @ 16" O.C. See Structural Drawings.
5.07 6" cold formed metal framing @ 12" O.C. See Structural Drawings.
5.26 Steel angle framing. See structural drawings.
6.03 2" x ___" wood blocking.
6.05 2" x ___" pressure-treated wood blocking.
6.17 3/4" exterior grade plywood.
6.28 Solid surface sill.
7.09 Composite metal panel. Color: Black
7.10 Composite metal panel. Color: White
7.12 Rigid thermal wall insulation, R-12 min.
7.17 Fluid-applied air and water barrier. Lap air and water barrier over the thru-wall flashing with transition membrane.
7.40 12" wide exterior expansion joint system.
7.50 2-part water protection coating system. Apply to all exposed precast concrete surfaces.
7.62 Metal flashing, wedge and seal into existing wall.
7.81 Continuous silicone sealant over backer rod.
7.82 Continuous acoustic sealant @ non-rated walls / fire-rated sealant @ rated walls on each side.
7.92 Sealant with backer rod.
8.62 Prefinished aluminum louver with bird screen and insulated blank off-panel.
8.71 Fixed alum. Exterior window unit. Impact rating as noted.
8.72 Operable alum. Interior glazed unit w/ integral blinds.
8.78 Aluminum faced infill panel.
8.79 Louver attachment clip.
8.80 Aluminum sill flashing w/ drip edge.
9.02 3 5/8" non-structural metal framing @ 16" o.c.
9.05 7/8" [Z or hat] furring channel @ 16" o.c.
9.16 16 ga. 2" galvanized metal horizontal "Z" sub-girt by metal panel installer.
9.21 5/8" Type X gypsum board.
9.34 Partition gap closure assembly w/ integral wall end cap.
9.39 Modify existing partition framing and sheathing between window sill and head as required to install new partition gap closure assembly. Finish partition each side to match existing.
9.80 Acoustic insulation
9.83 1/8" wide metal angle.
23.06 Modify and reconnect existing ductwork to new exterior louver.

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WALL TYPES & DETAILS	Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE		Project Number: VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
		Building Number: B1
Location: TAMPA, FLORIDA		Drawing Number: A-602
Issue Date: 01/31/25	Checked: DF	Drawn: AC

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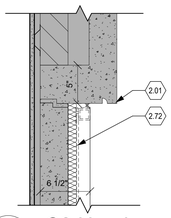
GENERAL DEMOLITION NOTES

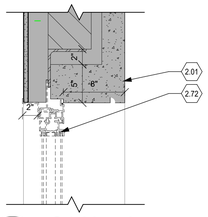
A. Remove all existing partitions shown with dashed line. Repair wall and floor finishes to match adjacent surfaces at areas of removal or scheduled new surfaces as required.
B. Repair existing walls to match adjacent where ceilings, roller shades, etc. are shown to be removed and reinstalled.
C. All interior and exterior surfaces damaged during the replacement work shall be repaired and finished to match existing material, finish, and color, unless noted otherwise.
D. See P, M, E & FP drawings for removal work associated with those trades.
E. P, M, E & FP systems above ceiling of area to be remodeled shall be maintained during demolition/construction, unless noted otherwise.

⎔ NOTES:

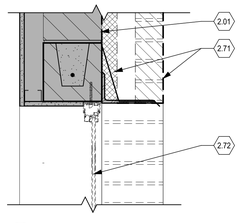
2.01 Existing construction to remain, protect in place.
2.04 Existing precast sill to remain, protect in place.
2.09 Existing 5/8" gyp on galv. furring channel.
2.30 Removed existing windowsill as required for new construction.
2.46 Existing precast jamb to remain, protect in place.
2.47 Existing precast header to remain, protect in place.
2.71 Remove existing rigid insulation, brick ties, and brick veneer from the facade.
2.72 Existing window unit to be removed in it entirely. Remove all associated window hardware and accessories as required for window replacement.
2.73 Existing gypsum board partition to remain, protect in place. Repair if damaged during the window replacement work.
2.74 Remove portion of the existing gypsum wallboard and blocking as needed for the demolition of the existing window and new construction.
2.93 Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.



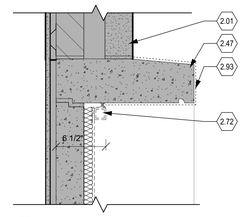
H4.1 C2 Head
Scale: 1 1/2" = 1'-0"



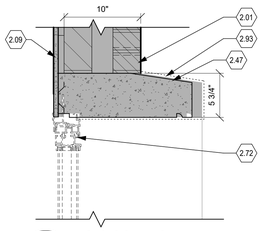
H4 C1 Head
Scale: 1 1/2" = 1'-0"



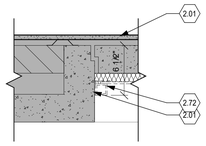
H3 B1 & B2 Head
Scale: 1 1/2" = 1'-0"



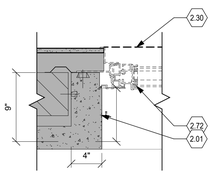
H2 A2 Head
Scale: 1 1/2" = 1'-0"



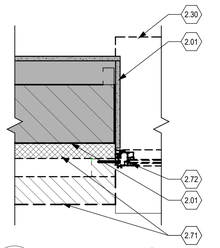
H1 A1 Head
Scale: 1 1/2" = 1'-0"



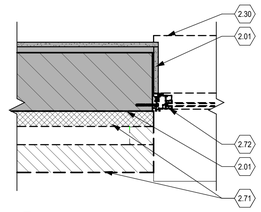
J4.1 Jamb Dtl @ C2
Scale: 1 1/2" = 1'-0"



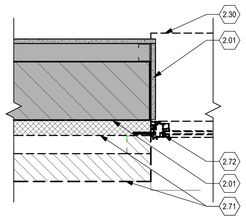
J4 Jamb Dtl @ C1
Scale: 1 1/2" = 1'-0"



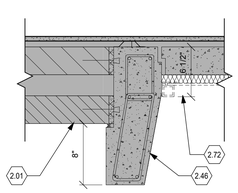
J3.2 Jamb Dtl @ B1
Scale: 1 1/2" = 1'-0"



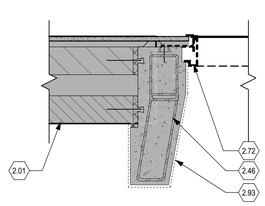
J3.1 Jamb Dtl @ B1
Scale: 1 1/2" = 1'-0"



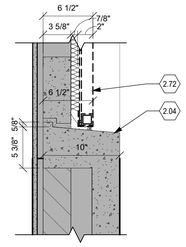
J3 Jamb Dtl @ B1 & B2
Scale: 1 1/2" = 1'-0"



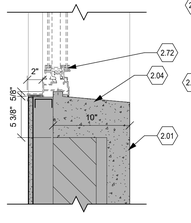
J2 Jamb Dtl @ A2
Scale: 1 1/2" = 1'-0"



J1 Jamb Dtl @ A1
Scale: 1 1/2" = 1'-0"



S4.1 Sill Dtl @ C2
Scale: 1 1/2" = 1'-0"



S4 Sill Dtl @ C1
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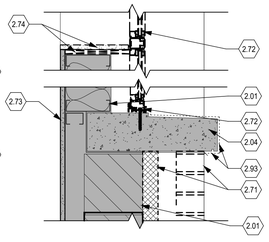

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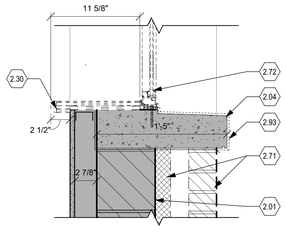

S3.2 Sill Dtl @ B1
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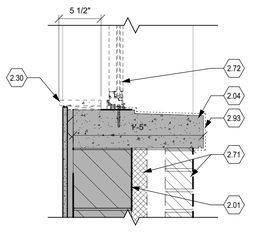

S3.1 Sill Dtl @ B1
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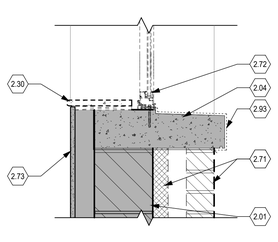
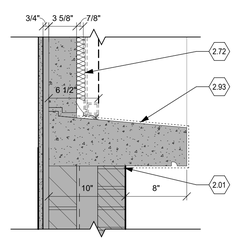
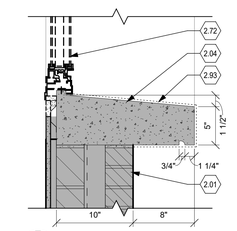


S3 Sill Dtl @ B1
Scale: 1 1/2" = 1'-0"



S2 Sill Dtl @ A2
Scale: 1 1/2" = 1'-0"



S1 Sill Dtl @ A1
Scale: 1 1/2" = 1'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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524 Fernwood Drive, Altamonte Springs, Florida 32701 | www.rdcjpa.com | 800.362.1523

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: WINDOW DEMOLITION DETAILS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 / Checked: DF / Drawn: RG	Drawing Number: A-610

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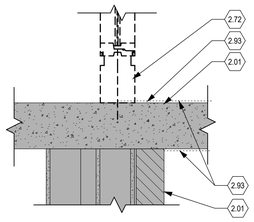
VA FORM 08 - 6231

GENERAL DEMOLITION NOTES

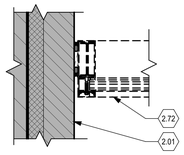
A. Remove all existing partitions shown with dashed line. Repair wall and floor finishes to match adjacent surfaces at areas of removal or scheduled new surfaces as required.
B. Repair existing walls to match adjacent where ceilings, roller shades, etc. are shown to be removed and reinstalled.
C. All interior and exterior surfaces damaged during the replacement work shall be repaired and finished to match existing material, finish, and color, unless noted otherwise.
D. See P, M, E & FP drawings for removal work associated with those trades.
E. P, M, E & FP systems above ceiling of area to be remodeled shall be maintained during demolition/construction, unless noted otherwise.

⎔ NOTES:

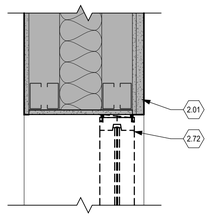
2.01 Existing construction to remain, protect in place.
2.02 Existing structure to remain.
2.04 Existing precast sill to remain, protect in place.
2.31 Shim and continuous sealant.
2.34 Existing aluminum frame to be removed.
2.38 Sealant and backer rod to be removed.
2.44 Existing ceiling to remain.
2.71 Remove existing rigid insulation, brick ties, and brick veneer from the facade.
2.72 Existing window unit to be removed in it entirely. Remove all associated window hardware and accessories as required for window replacement.
2.93 Remove/strip off exterior coating system from all precast concrete surfaces. Prep for new coating system.



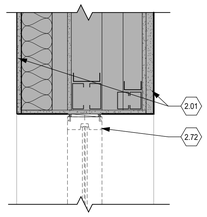
S11 Sill Dtl @ BB1
Scale: 1 1/2" = 1'-0"



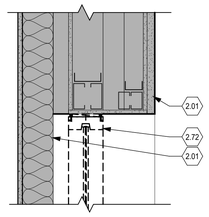
J8.1 Jamb Dtl @ FF & GG
Scale: 1 1/2" = 1'-0"



H10 Head Dtl @ CC
Scale: 1 1/2" = 1'-0"



H9.2 Head Dtl @ DD
Scale: 1 1/2" = 1'-0"



H9.1 Head Dtl @ EE
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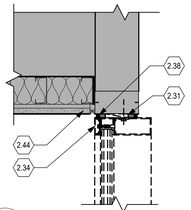
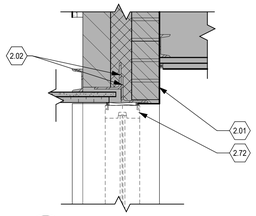
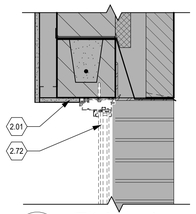


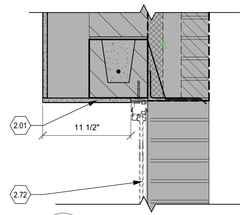
H8 Head Dtl @ FF & GG
Scale: 1 1/2" = 1'-0"



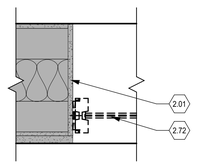
H7 F1 Head
Scale: 1 1/2" = 1'-0"



H6 E1 Head
Scale: 1 1/2" = 1'-0"



H5 D1 Head
Scale: 1 1/2" = 1'-0"



J10 Jamb Dtl @ CC
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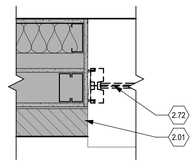
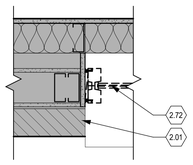
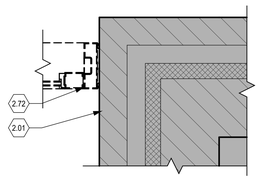


J9.2 Jamb Dtl @ DD
Scale: 1 1/2" = 1'-0"



J9.1 Jamb Dtl @ EE
Scale: 1 1/2" = 1'-0"



J8 Jamb Dtl @ FF
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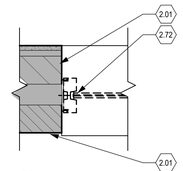
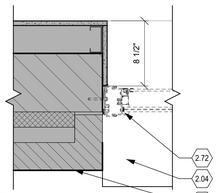
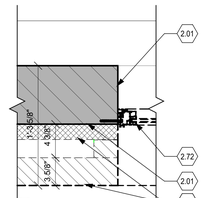


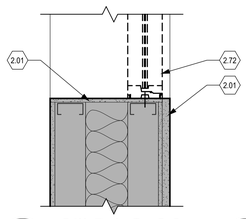
J7 F1 Jamb
Scale: 1 1/2" = 1'-0"



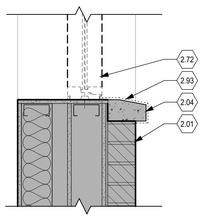
J6 E1 Jamb
Scale: 1 1/2" = 1'-0"



J5 D1 Jamb
Scale: 1 1/2" = 1'-0"



S10 Sill Dtl @ CC
Scale: 1 1/2" = 1'-0"



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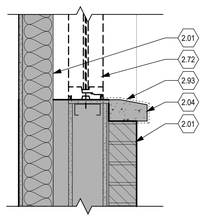

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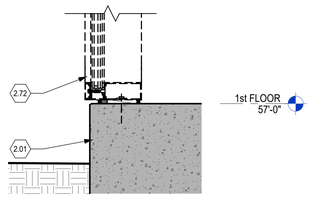
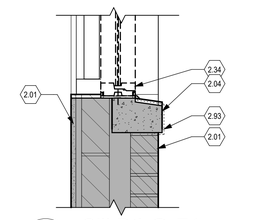
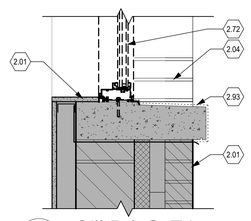


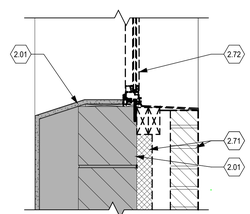
S8 Sill Dtl @ FF & GG
Scale: 1 1/2" = 1'-0"



S7 Sill Dtl @ F1
Scale: 1 1/2" = 1'-0"



S6 Sill Dtl @ E1
Scale: 1 1/2" = 1'-0"



S5 Sill Dtl @ D1
Scale: 1 1/2" = 1'-0"

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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AR101907
REGISTERED ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: WINDOW DEMOLITION DETAILS
Phase: 100% BID DOCUMENTS
Project Title: RESTORATION OF BUILDING 1 ENVELOPE
Project Number: VA Project No. 673-21-116; RDCJPA Project No. 22004.00
Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA
FULLY SPRINKLERED
Location: TAMPA, FLORIDA
Issue Date: 01/31/25
Checked: DF
Drawn: RG
Drawing Number: A-611

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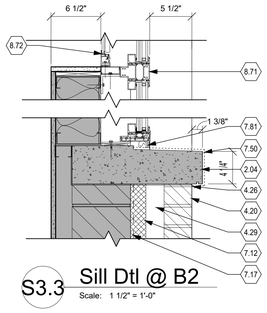

S3.3 Sill Dtl @ B2
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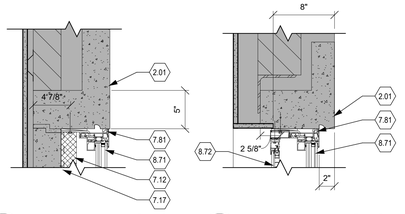
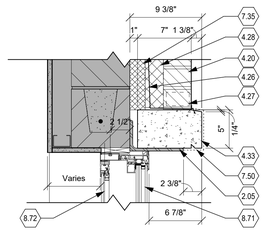
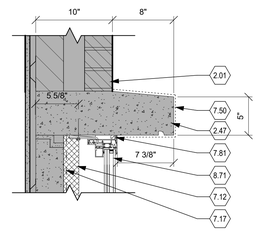


H4.1 Head Dtl @ C2
Scale: 1 1/2" = 1'-0"

H4 Head Dtl @ C1
Scale: 1 1/2" = 1'-0"



H3 Head Dtl @ B1 & B2
Scale: 1 1/2" = 1'-0"



H2 Head Dtl @ A2
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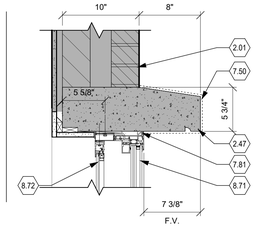
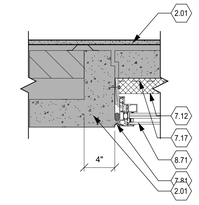


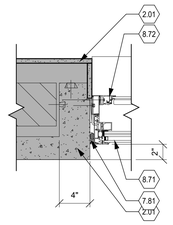
H1 Head Dtl @ A1
Scale: 1 1/2" = 1'-0"

NOTES:

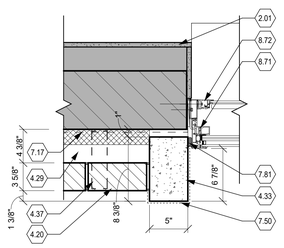
2.01	Existing construction to remain, protect in place.
2.04	Existing precast sill to remain, protect in place.
2.05	Existing brick ledge to remain. Assumed location within the wall, field verify.
2.46	Existing precast jamb to remain, protect in place.
2.47	Existing precast header to remain, protect in place.
4.20	Modular face brick. Size: 3-5/8 " x 2 1/4" x 7 5/8".
4.26	Rigid copper laminated thru-wall flashing.
4.27	Full joint weep/vent @ 24" O.C. horizontal.
4.28	Cavity drainage mesh.
4.29	Airspace.
4.32	Modular precast units. Size: 4" x 8" x 24". Texture: Ground face. Flush struck mortar joint.
4.33	Precast trim unit. Texture: Ground face. Flush struck mortar joint.
4.37	Brick tie @ 16" O.C. horizontal and 16" O.C. vertical. Brick tie shall be flashed into air/water barrier prior to brick installation.
6.03	2" x ___" wood blocking.
6.28	Solid surface sill.
7.05	Continuous bead of sealant along the perimeter of the window opening.
7.12	Rigid thermal wall insulation, R-12 min.
7.17	Fluid-applied air and water barrier. Lap air and water barrier over the thru-wall flashing with transition membrane.
7.35	2" Polyiso insulation
7.50	2-part water protection coating system. Apply to all exposed precast concrete surfaces.
7.81	Continuous silicone sealant over backer rod.
8.71	Fixed alum. Exterior window unit. Impact rating as noted.
8.72	Operable alum. Interior glazed unit w/ integral blinds.
9.21	5/8" Type X gypsum board.



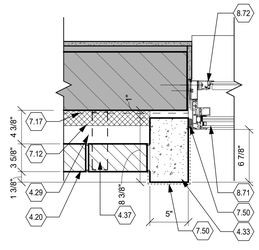
J4.1 Jamb Dtl @C2
Scale: 1 1/2" = 1'-0"



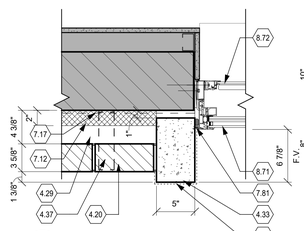
J4 Jamb Dtl @ C1
Scale: 1 1/2" = 1'-0"



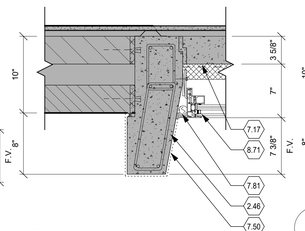
J3.2 Jamb Dtl @ B1
Scale: 1 1/2" = 1'-0"



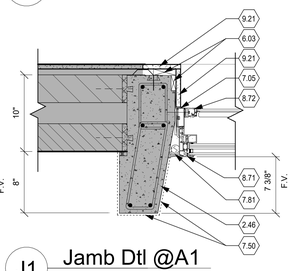
J3.1 Jamb Dtl @ B1
Scale: 1 1/2" = 1'-0"



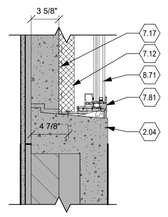
J3 Jamb Dtl @B1
Scale: 1 1/2" = 1'-0"



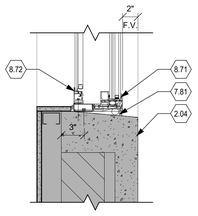
J2 Jamb Dtl @ A2
Scale: 1 1/2" = 1'-0"



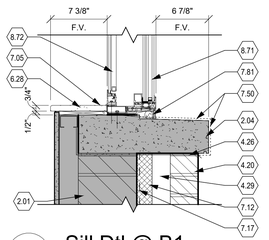
J1 Jamb Dtl @A1
Scale: 1 1/2" = 1'-0"



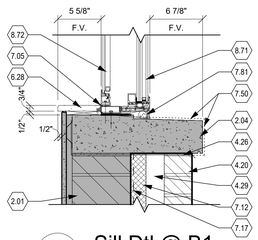
S4.1 Sill Dtl @ C2
Scale: 1 1/2" = 1'-0"



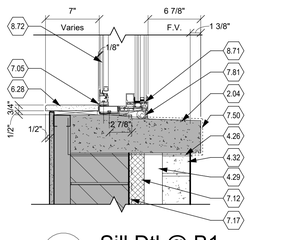
S4 Sill Dtl @ C1
Scale: 1 1/2" = 1'-0"



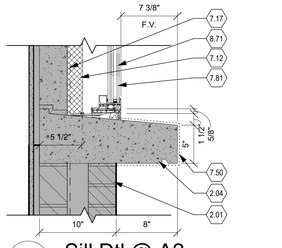
S3.2 Sill Dtl @ B1
Scale: 1 1/2" = 1'-0"



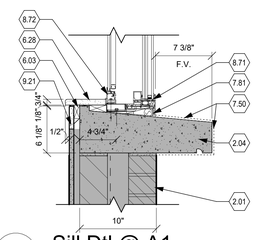
S3.1 Sill Dtl @ B1
Scale: 1 1/2" = 1'-0"



S3 Sill Dtl @ B1
Scale: 1 1/2" = 1'-0"



S2 Sill Dtl @ A2
Scale: 1 1/2" = 1'-0"



S1 Sill Dtl @ A1
Scale: 1 1/2" = 1'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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STATE OF FLORIDA JASON H. ROGALA AR101907 REGISTERED ARCHITECT

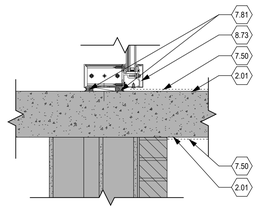
Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

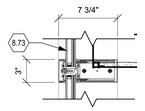
Drawing Title: WINDOW NEW DETAILS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDCJPA Project No. 22004.00
			Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Drawing Number: A-620
		Issue Date: 01/31/25 / Checked: DF / Drawn: RG	

1/31/2025 11:24:07 AM

VA FORM 08 - 6231



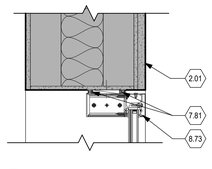
S11 Sill Dtl @ BB1
Scale: 1 1/2" = 1'-0"



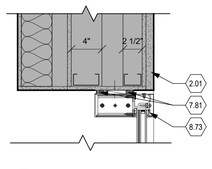
S9 Mullion Dtl.
Scale: 1 1/2" = 1'-0"

NOTES:

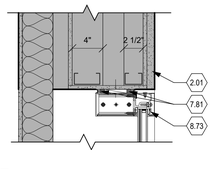
2.01	Existing construction to remain, protect in place.
2.02	Existing structure to remain.
2.04	Existing precast sill to remain, protect in place.
4.20	Modular face brick. Size: 3-5/8" x 2 1/4" x 7 5/8".
4.26	Rigid copper laminated thru-wall flashing.
4.27	Full joint weep/vent @ 24" O.C. horizontal.
4.28	Cavity drainage mesh.
4.32	Modular precast units. Size: 4" x 8" x 24". Texture: Ground face. Flush struck mortar joint.
4.37	Brick tie @ 16" O.C. horizontal and 16" O.C. vertical. Brick tie shall be flashed into air/water barrier prior to brick installation.
7.05	Continuous bead of sealant along the perimeter of the window opening.
7.07	Continuous bead of sealant at transition of flashing.
7.08	Flashing shall not bisect window weather seal.
7.12	Rigid thermal wall insulation, R-12 min.
7.17	Fluid-applied air and water barrier. Lap air and water barrier over the thru-wall flashing with transition membrane.
7.18	Fuild-applied air and water barrier.
7.35	2" Polyiso insulation
7.50	2-part water protection coating system. Apply to all exposed precast concrete surfaces.
7.81	Continuous silicone sealant over backer rod.
8.71	Fixed alum. Exterior window unit. Impact rating as noted.
8.72	Operable alum. Interior glazed unit w/ integral blinds.
8.73	Alum. Exterior curtainwall unit. Impact rating as noted.
9.21	5/8" Type X gypsum board.



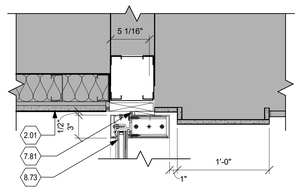
H10 Head Dtl @ CC
Scale: 1 1/2" = 1'-0"



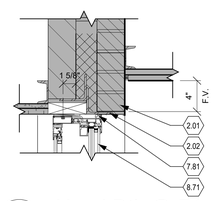
H9.2 Head Dtl @ DD
Scale: 1 1/2" = 1'-0"



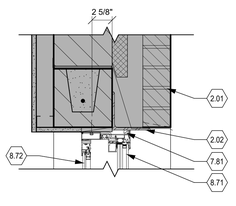
H9.1 Head Dtl @ EE
Scale: 1 1/2" = 1'-0"



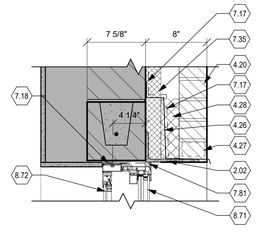
H8 H. Dtl @ FF & GG
Scale: 1 1/2" = 1'-0"



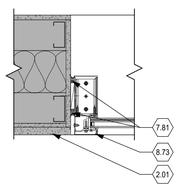
H7 Head Dtl. @ F1
Scale: 1 1/2" = 1'-0"



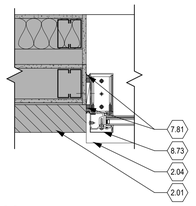
H6 Head Dtl @E1
Scale: 1 1/2" = 1'-0"



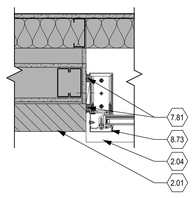
H5 Head Dtl @ D1
Scale: 1 1/2" = 1'-0"



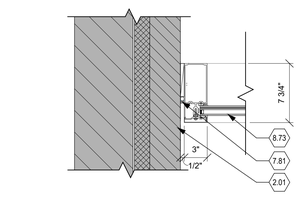
J10 Jamb Dtl @ CC
Scale: 1 1/2" = 1'-0"



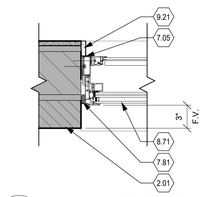
J9.2 Jamb Dtl @ DD
Scale: 1 1/2" = 1'-0"



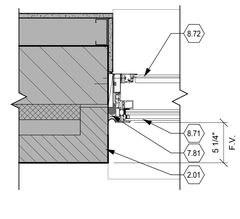
J9.1 Jamb Dtl @ EE
Scale: 1 1/2" = 1'-0"



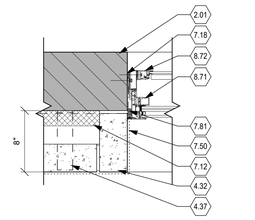
J8 J. Dtl @ FF & GG
Scale: 1 1/2" = 1'-0"



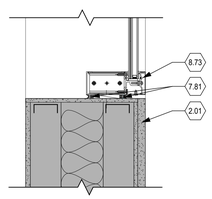
J7 Jamb Dtl @ F1
Scale: 1 1/2" = 1'-0"



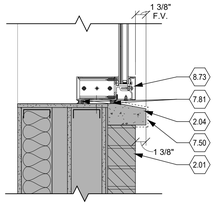
J6 Jamb Dtl @ E1
Scale: 1 1/2" = 1'-0"



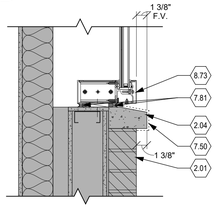
J5 Jamb Dtl @D1
Scale: 1 1/2" = 1'-0"



S10 Sill Dtl @ CC
Scale: 1 1/2" = 1'-0"



S9.2 Sill Dtl @ DD
Scale: 1 1/2" = 1'-0"



S9.1 Sill Dtl @ EE
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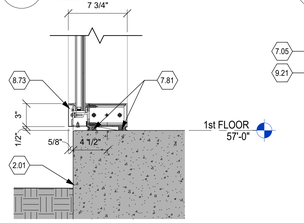

S8 S. Dtl @ FF & GG
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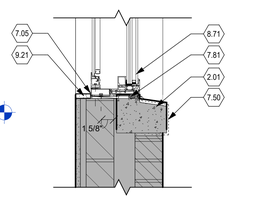
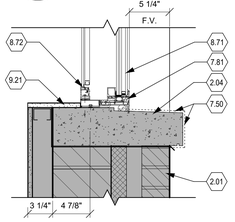
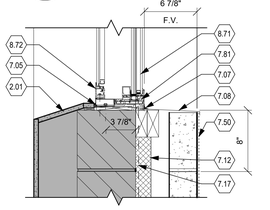


S7 Sill Dtl. @ F1
Scale: 1 1/2" = 1'-0"



S6 Sill Dtl. @ E1
Scale: 1 1/2" = 1'-0"



S5 Sill Dtl. @ D1
Scale: 1 1/2" = 1'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

U.S. Department of Veterans Affairs

Drawing Title: WINDOW NEW DETAILS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDCJPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA			Building Number: B1
	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Drawing Number: A-621
		Issue Date: 01/31/25 · Checked: DF · Drawn: RG	

1/31/2025 11:24:14 AM

VA FORM 08 - 6231

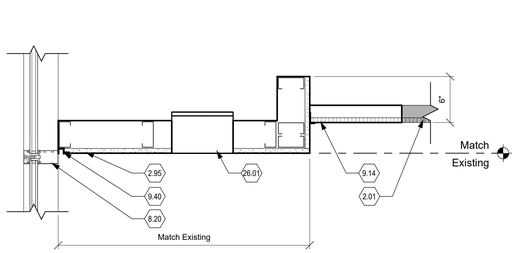
GENERAL NOTES

A. These sheets contain colored linework and poche to illustrate existing conditions and facade designation. Drawings should be printed in color.
B. Verify existing conditions before ordering, fabrication, construction and installation of new work.
C. Coordinate access into each area of the building with the C.O.R. before beginning demolition or installation of new work.
D. Remove and reinstall existing wood trim as required for the removal of existing windows and trim. Finish paint wood trim at head, jamb, and sill to match existing.
E. During the installation of windows, savage existing signage, window treatments, wall-mounted devices, etc., which are adjacent to the existing window opening. Once the window installation is complete, patch and repair the wall and reinstall items back to their original location.
F. Temporary doors location & sizes are as required by the General Contractor. Doors will interfere with daily operations as little as possible. Confirm all locations with C.O.R.

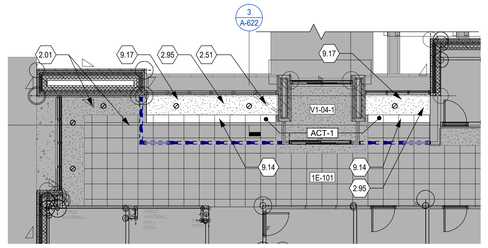
⎔ NOTES:

2.01	Existing construction to remain, protect in place.
2.51	Remove existing television and salvage for reinstallation after installation of new wall.
2.95	Remove & reinstall ceiling and/or soffit for above-ceiling access.See rcp #1, sheet a-622.
2.108	Temporary construction partition, referto Wall Type T1.0-F. Coordinate the location of the partition and public access with the C.O.R. before construction.
8.20	New storefront to match existing conditions.
9.14	Repair and replace acoustical ceiling tiles as needed.
9.17	Apply paint as specified.
9.40	Drywall trim F reveal bead.
26.01	Light fixture. See Electrical Drawings.

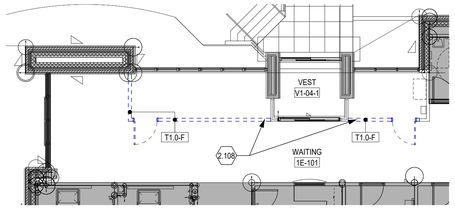
FINISH LEGEND				
CODE	FINISH TYPE	MANUFACTURER	PRODUCT / COLOR	COMMENTS
09 30 13 CERAMIC PORCELAIN TILING				
PT-1	PORCELAIN TILE	-	MATCH EXISTING	
09 51 00 ACOUSTICAL CEILING				
ACT-1	ACOUSTICAL CEILING TILE	-	MATCH EXISTING	
09 65 19 RESILIENT TILE FLOORING				
VCT-1	VINYL COMPOSITE TILE	-	MATCH EXISTING	
09 91 00 PAINTING				
P-1	PAINT (SOFFIT)	-	MATCH EXISTING	
P-2	PAINT (WALL)	-	MATCH EXISTING	
12 36 00 COUNTERTOPS				
SS-1	SOLID SURFACE (WINDOW SILL)	TBD	TBD	



3 CEILING DETAIL
Scale: 1 1/2" = 1'-0"



N 2 FIRST FLOOR - RCP
Scale: 1/8" = 1'-0"



N 1 FIRST FLOOR PLAN - WAITING AREA
Scale: 1/8" = 1'-0"

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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RDC◆JPA ARCHITECTURE

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: FIRST FLOOR REFLECTED CEILING PLAN & LEGEND	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 · Checked: DF · Drawn: BM	Drawing Number: A-622

VA FORM 08 - 6231

1/31/2025 11:24:20 AM

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
A						
A1-01	A	B2	E	4'-8"	4'-0"	
A1-02	A	B2	E	4'-8"	4'-0"	
A1-03	A	B2	E	4'-8"	4'-0"	
A1-04	A	B2	E	4'-8"	4'-0"	
A1-05	A	B2	E	4'-8"	4'-0"	
A1-06	A	A1	E	5'-6"	3'-7"	
A1-07	A	A1	E	5'-6"	3'-7"	
A1-08	A	A1	E	5'-6"	3'-7"	
A1-09	A	A1	E	5'-6"	3'-7"	
A1-10	A	A1	E	5'-6"	3'-7"	
A1-11	A	A1	E	5'-6"	3'-7"	
A1-12	A	A1	E	5'-6"	3'-7"	
A1-13	A	A1	E	5'-6"	3'-7"	
A1-14	A	A1	E	5'-6"	3'-7"	
A1-15	A	A1	E	5'-6"	3'-7"	
A2-01	A	B1	E	4'-8"	4'-0"	
A2-02	A	B1	E	4'-8"	4'-0"	
A2-03	A	B1	E	4'-8"	4'-0"	
A2-04	A	B1	E	4'-8"	4'-0"	
A2-05	A	B1	E	4'-8"	4'-0"	
A2-06	A	A1	E	5'-6"	3'-7"	
A2-07	A	A1	E	5'-6"	3'-7"	
A2-08	A	A1	E	5'-6"	3'-7"	
A2-09	A	A1	E	5'-6"	3'-7"	
A2-10	A	A1	E	5'-6"	3'-7"	
A2-11	A	A1	E	5'-6"	3'-7"	
A2-12	A	A1	E	5'-6"	3'-7"	
A2-13	A	A1	E	5'-6"	3'-7"	
A2-14	A	A1	E	5'-6"	3'-7"	
A2-15	A	A1	E	5'-6"	3'-7"	5
AA						
AA0-02	AA	F1	E	3'-10 1/2"	10'-7 1/2"	
AA1-01	AA	A1	E	5'-6"	3'-7"	
AA1-02	AA	A1	E	5'-6"	3'-7"	5
AA1-03	AA	A1	E	5'-6"	3'-7"	
AA1-04	AA	A1	E	5'-6"	3'-7"	
AA1-05	AA	A1	E	5'-6"	3'-7"	
AA1-06	AA	A1	E	5'-6"	3'-7"	
AA1-07	AA	A1	E	5'-6"	3'-7"	
AA1-08	AA	A1	E	5'-6"	3'-7"	
AA2-01	AA	A1	E	5'-6"	3'-7"	
AA2-02	AA	A1	E	5'-6"	3'-7"	
AA2-03	AA	A1	E	5'-6"	3'-7"	5
AA2-04	AA	A2	E	5'-6"	3'-7"	4
AA2-05	AA	A1	E	5'-6"	3'-7"	
AA2-06	AA	A1	E	5'-6"	3'-7"	
AA2-07	AA	A1	E	5'-6"	3'-7"	
AA2-08	AA	A1	E	5'-6"	3'-7"	
B						
B1-01	B	C1	E	5'-6"	2'-2"	
B1-02	B	C1	E	5'-6"	2'-2"	
B1-03	B	C2	E	5'-6"	2'-2"	
B1-04	B	C2	E	5'-6"	2'-2"	2
B1-05	B	C1	E	5'-6"	2'-2"	
B1-06	B	C1	E	5'-6"	2'-2"	
B2-01	B	C1	E	5'-6"	2'-2"	
B2-02	B	C1	E	5'-6"	2'-2"	
B2-03	B	C1	E	5'-6"	2'-2"	
B2-04	B	C1	E	5'-6"	2'-2"	
B2-05	B	C1	E	5'-6"	2'-2"	
B2-06	B	C1	E	5'-6"	2'-2"	
B2-07	B	C1	E	5'-6"	2'-2"	
B2-08	B	C1	E	5'-6"	2'-2"	
B2-09	B	C2	E	5'-6"	2'-2"	
B2-10	B	C2	E	5'-6"	2'-2"	
BB						
BB1-01	BB	B2	E	4'-8"	4'-0"	
BB1-02	BB	B2.1	E	4'-8"	4'-0"	4
BB1-03	BB	B2	E	4'-8"	4'-0"	3
BB2-01	BB	B1	E	4'-8"	4'-0"	
BB2-02	BB	B1	E	4'-8"	4'-0"	
BB2-03	BB	B1	E	4'-8"	4'-0"	
CC						
CC0-01	CC	D1	E	1'-11"	4'-0"	4
CC0-02	CC	D1	E	1'-11"	4'-0"	4
CC0-03	CC	D1	E	1'-11"	4'-0"	4
CC1-01	CC	B2	E	4'-8"	4'-0"	3
CC1-02	CC	B2	E	4'-8"	4'-0"	3
CC1-03	CC	B2.1	E	4'-8"	4'-0"	4
CC1-04	CC	B2	E	4'-8"	4'-0"	3
CC1-05	CC	B2	E	4'-8"	4'-0"	
CC1-06	CC	B2	E	4'-8"	4'-0"	
CC1-07	CC	B2	E	4'-8"	4'-0"	3
CC1-08	CC	B2	E	4'-8"	4'-0"	
CC1-09	CC	B2	E	4'-8"	4'-0"	
CC1-10	CC	B2	E	4'-8"	4'-0"	
CC2-01	CC	B1	E	4'-8"	4'-0"	
CC2-02	CC	B1	E	4'-8"	4'-0"	
CC2-03	CC	B1	E	4'-8"	4'-0"	
CC2-04	CC	B1	E	4'-8"	4'-0"	
CC2-05	CC	B1	E	4'-8"	4'-0"	
CC2-06	CC	B1	E	4'-8"	4'-0"	
CC2-07	CC	B1	E	4'-8"	4'-0"	
CC2-08	CC	B1	E	4'-8"	4'-0"	
CC2-09	CC	B1	E	4'-8"	4'-0"	
CC2-10	CC	B1	E	4'-8"	4'-0"	
DD						
DD3-01	DD	A1A	D	5'-6"	3'-7"	
DD3-02	DD	A1A	D	5'-6"	3'-7"	

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
DD3-03	DD	A1A	D	5'-6"	3'-7"	
DD3-04	DD	A1A	D	5'-6"	3'-7"	
DD3-05	DD	A1A	D	5'-6"	3'-7"	
DD3-06	DD	A1A	D	5'-6"	3'-7"	
DD4-01	DD	A1A	D	5'-6"	3'-7"	6
DD4-02	DD	A2A	D	5'-6"	3'-7"	
DD4-03	DD	A1A	D	5'-6"	3'-7"	
DD4-04	DD	A1A	D	5'-6"	3'-7"	
DD4-05	DD	A1A	D	5'-6"	3'-7"	
DD4-06	DD	A1A	D	5'-6"	3'-7"	
DD5-01	DD	A1A	D	5'-6"	3'-7"	
DD5-02	DD	A1A	D	5'-6"	3'-7"	
DD5-03	DD	A1A	D	5'-6"	3'-7"	
DD5-04	DD	A1A	D	5'-6"	3'-7"	
DD5-05	DD	A1A	D	5'-6"	3'-7"	
DD5-06	DD	A1A	D	5'-6"	3'-7"	
DD6-00	DD	A1A	D	5'-6"	3'-7"	
DD6-01	DD	A1A	D	5'-6"	3'-7"	
DD6-02	DD	A1A	D	5'-6"	3'-7"	
DD6-03	DD	A1A	D	5'-6"	3'-7"	
DD6-04	DD	A1A	D	5'-6"	3'-7"	
DD6-05	DD	A1A	D	5'-6"	3'-7"	
DD7-00	DD	A2B	D	5'-6"	3'-7"	1
DD7-00.1	DD	A2B	D	5'-6"	3'-7"	1
DD7-01	DD	A1A	D	5'-6"	3'-7"	
DD7-02	DD	A1A	D	5'-6"	3'-7"	
DD7-03	DD	A1A	D	5'-6"	3'-7"	
DD7-04	DD	A1A	D	5'-6"	3'-7"	
EE						
EE3-01	EE	A1A	D	5'-6"	3'-7"	
EE3-02	EE	A1A	D	5'-6"	3'-7"	
EE3-03	EE	A1A	D	5'-6"	3'-7"	
EE3-04	EE	A1A	D	5'-6"	3'-7"	
EE3-05	EE	A1A	D	5'-6"	3'-7"	
EE3-06	EE	A1A	D	5'-6"	3'-7"	
EE3-07	EE	A1A	D	5'-6"	3'-7"	
EE3-08	EE	A1A	D	5'-6"	3'-7"	
EE4-01	EE	A1A	D	5'-6"	3'-7"	
EE4-02	EE	A1A	D	5'-6"	3'-7"	
EE4-03	EE	A1A	D	5'-6"	3'-7"	
EE4-04	EE	A1A	D	5'-6"	3'-7"	
EE4-05	EE	A1A	D	5'-6"	3'-7"	
EE4-06	EE	A1A	D	5'-6"	3'-7"	
EE4-07	EE	A1A	D	5'-6"	3'-7"	
EE4-08	EE	A1A	D	5'-6"	3'-7"	
EE5-01	EE	A1A	D	5'-6"	3'-7"	
EE5-02	EE	A1A	D	5'-6"	3'-7"	
EE5-03	EE	A1A	D	5'-6"	3'-7"	
EE5-04	EE	A1A	D	5'-6"	3'-7"	
EE6-01	EE	A1A	D	5'-6"	3'-7"	
EE6-02	EE	A1A	D	5'-6"	3'-7"	
EE6-03	EE	A1A	D	5'-6"	3'-7"	
EE6-04	EE	A1A	D	5'-6"	3'-7"	
EE6-05	EE	A1A	D	5'-6"	3'-7"	
EE6-06	EE	A1A	D	5'-6"	3'-7"	
EE6-07	EE	A1A	D	5'-6"	3'-7"	
EE6-08	EE	A1A	D	5'-6"	3'-7"	
EE7-01	EE	A1A	D	5'-6"	3'-7"	1
EE7-01.1	EE	A2B	D	5'-6"	3'-7"	1
EE7-02	EE	A1A	D	5'-6"	3'-7"	
EE7-03	EE	A1A	D	5'-6"	3'-7"	
EE7-04	EE	A1A	D	5'-6"	3'-7"	
EE7-05	EE	A1A	D	5'-6"	3'-7"	
EE7-06	EE	A1A	D	5'-6"	3'-7"	
EE7-07	EE	A1A	D	5'-6"	3'-7"	
F						
F1-01	F	A2	E	5'-6"	3'-7"	
F1-02	F	A2	E	5'-6"	3'-7"	
F1-03	F	A2	E	5'-6"	3'-7"	
F1-04	F	A2	E	5'-6"	3'-7"	
F1-05	F	A2	E	5'-6"	3'-7"	
F1-06	F	A2	E	5'-6"	3'-7"	
F1-07	F	A2	E	5'-6"	3'-7"	2
F1-08	F	A1	E	5'-6"	3'-7"	
F1-09	F	A2	E	5'-6"	3'-7"	
F2-01	F	A1	E	5'-6"	3'-7"	4
F2-02	F	A1	E	5'-6"	3'-7"	
F2-03	F	A1	E	5'-6"	3'-7"	
F2-04	F	A1	E	5'-6"	3'-7"	
F2-05	F	A1	E	5'-6"	3'-7"	4
F2-06	F	A1	E	5'-6"	3'-7"	4
F2-07	F	A1	E	5'-6"	3'-7"	4
F2-08	F	A1	E	5'-6"	3'-7"	4
F2-09	F	A1	E	5'-6"	3'-7"	4
FF						
FF3-01	FF	A1A	D	5'-6"	3'-7"	
FF3-02	FF	A1A	D	5'-6"	3'-7"	
FF3-03	FF	A1A	D	5'-6"	3'-7"	
FF3-04	FF	A1A	D	5'-6"	3'-7"	
FF3-05	FF	A1A	D	5'-6"	3'-7"	
FF3-06	FF	A1A	D	5'-6"	3'-7"	
FF4-01	FF	A1A	D	5'-6"	3'-7"	
FF4-02	FF	A1A	D	5'-6"	3'-7"	
FF4-03	FF	A1A	D	5'-6"	3'-7"	
FF4-04	FF	A1A	D	5'-6"	3'-7"	
FF4-05	FF	A1A	D	5'-6"	3'-7"	
FF4-06	FF	A1A	D	5'-6"	3'-7"	
FF6-01	FF	A1A	D	5'-6"	3'-7"	
FF6-02	FF	A1A	D	5'-6"	3'-7"	
FF6-03	FF	A1A	D	5'-6"	3'-7"	
FF6-04	FF	A1A	D	5'-6"	3'-7"	

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
FF6-05	FF	A1A	D	5'-6"	3'-7"	
FF6-06	FF	A2B	D	5'-6"	3'-7"	1
FF7-01	FF	A1A	D	5'-6"	3'-7"	
FF7-02	FF	A1A	D	5'-6"	3'-7"	
FF7-03	FF	A1A	D	5'-6"	3'-7"	
FF7-04	FF	A1A	D	5'-6"	3'-7"	
FF7-05	FF	A1A	D	5'-6"	3'-7"	
FF7-06	FF	A2A	D	5'-6"	3'-7"	
G						
G1-01	G	A1	D	5'-6"	3'-7"	2
G1-02	G	A1	D	5'-6"	3'-7"	
G2-01	G	A2	D	5'-6"	3'-7"	
G2-02	G	A2	D	5'-6"	3'-7"	
G2-03	G	A1	D	5'-6"	3'-7"	
G2-04	G	A1	D	5'-6"	3'-7"	
G2-05	G	A1	D	5'-6"	3'-7"	
GG						
GG3-01	GG	A1A	D	5'-6"	3'-7"	3
GG3-02	GG	A1A	D	5'-6"	3'-7"	
GG3-03	GG	A1A	D	5'-6"	3'-7"	
GG3-04	GG	A1A	D	5'-6"	3'-7"	
GG3-05	GG	A1A	D	5'-6"	3'-7"	
GG3-06	GG	A1A	D	5'-6"	3'-7"	
GG3-07	GG	A1A	D	5'-6"	3'-7"	
GG3-08	GG	A1A	D	5'-6"	3'-7"	
GG4-01	GG	A1A	D	5'-6"	3'-7"	
GG4-02	GG	A1A	D	5'-6"	3'-7"	
GG4-03	GG	A1A	D	5'-6"	3'-7"	
GG4-04	GG	A1A	D	5'-6"	3'-7"	
GG4-05	GG	A1A	D	5'-6"	3'-7"	
GG4-06	GG	A1A	D	5'-6"	3'-7"	
GG4-07	GG	A1A	D	5'-6"	3'-7"	
GG4-08	GG	A1A	D	5'-6"	3'-7"	
GG6-01	GG	A1A	D	5'-6"	3'-7"	
GG6-02	GG	A1A	D	5'-6"	3'-7"	
GG6-03	GG	A1A	D	5'-6"	3'-7"	
GG6-04	GG	A1A	D	5'-6"	3'-7"	
GG6-05	GG	A1A	D	5'-6"	3'-7"	
GG6-06	GG	A1A	D	5'-6"	3'-7"	
GG6-07	GG	A1A	D	5'-6"	3'-7"	
GG6-08	GG	A1A	D	5'-6"	3'-7"	
GG7-01	GG	A1A	D	5'-6"	3'-7"	
GG7-02	GG	A1A	D	5'-6"	3'-7"	
GG7-03	GG	A1A	D	5'-6"	3'-7"	
GG7-04	GG	A1A	D	5'-6"	3'-7"	
GG7-05	GG	A1A	D	5'-6"	3'-7"	
GG7-06	GG	A1A	D	5'-6"	3'-7"	
GG7-07	GG	A1A	D	5'-6"	3'-7"	
GG7-08	GG	A1A	D	5'-6"	3'-7"	
H						
H1-01	H	E1	E	2'-0"	8'-0"	
H1-02	H	E1	E	2'-0"	8'-0"	
H1-03	H	E1	E	2'-0"	8'-0"	
H1-04	H	E1	E	2'-0"	8'-0"	
H1-05	H	E1	E	2'-0"	8'-0"	3
HH						
HH3-01	HH	A1A	D	5'-6"	3'-7"	
HH3-02	HH	A1A	D	5'-6"	3'-7"	
HH3-03	HH	A1A	D	5'-6"	3'-7"	
HH3-04	HH	A1A	D	5'-6"	3'-7"	
HH3-05	HH	A1A	D	5'-6"	3'-7"	
HH4-01	HH	A1A	D	5'-6"	3'-7"	
HH4-02	HH	A1A	D	5'-6"	3'-7"	
HH4-03	HH	A1A	D	5'-6"	3'-7"	
HH4-04	HH	A1A	D	5'-6"	3'-7"	
HH4-05	HH	A1A	D	5'-6"	3'-7"	
HH4-06	HH	A1A	D	5'-6"	3'-7"	
HH6-01	HH	A1A	D	5'-6"	3'-7"	
HH6-01.1	HH	A2B	D	5'-6"	3'-7"	1
HH6-02	HH	A1A	D	5'-6"	3'-7"	
HH6-03	HH	A1A	D	5'-6"	3'-7"	
HH6-04	HH	A1A	D	5'-6"	3'-7"	
HH6-05	HH	A1A	D	5'-6"	3'-7"	
HH7-01	HH	A2A	D	5'-6"	3'-7"	
HH7-02	HH	A1A	D	5'-6"	3'-7"	
HH7-03	HH	A1A	D	5'-6"	3'-7"	
HH7-04	HH	A1A	D	5'-6"	3'-7"	
HH7-05	HH	A1A	D	5'-6"	3'-7"	
HH7-06	HH	A1A	D	5'-6"	3'-7"	
I						
I1-01	I	E1	E	2'-0"	8'-0"	
I1-02	I	E1	E	2'-0"	8'-0"	
I1-03	I	E1	E	2'-0"	8'-0"	
I1-04	I	E1	E	2'-0"	8'-0"	
II						
II3-01	II	A1A	D	5'-6"	3'-7"	
II3-02	II	A1A	D	5'-6"	3'-7"	
II3-03	II	A1A	D	5'-6"	3'-7"	
II3-04	II	A2A	D	5'-6"	3'-7"	
II3-05	II	A1A	D	5'-6"	3'-7"	
II3-06	II	A1A	D	5'-6"	3'-7"	
II3-07	II	A1A	D	5'-6"	3'-7"	
II4-01	II	A1A	D	5'-6"	3'-7"	
II4-02	II	A1A	D	5'-6"	3'-7"	
II4-03	II	A1A	D	5'-6"	3'-7"	
II4-04	II	A1A	D	5'-6"	3'-7"	
II4-06	II	A1A	D	5'-6"	3'-7"	
II4-07	II	A1A	D	5'-6"	3'-7"	
II4-08	II	A2A	D	5'-6"	3'-7"	
II5-01	II	A1A	D	5'-6"	3'-7"	
II5-02	II	A1A	D	5'-6"	3'-7"	

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
II5-03	II	A1A	D	5'-6"	3'-7"	
II5-04	II	A1A	D	5'-6"	3'-7"	
II5-07	II	A1A	D	5'-6"	3'-7"	
II5-08	II	A1A	D	5'-6"	3'-7"	
II5-09	II	A1A	D	5'-6"	3'-7"	
II7-01	II	A1A	D	5'-6"	3'-7"	
II7-02	II	A1A	D	5'-6"	3'-7"	
II7-03	II	A1A	D	5'-6"	3'-7"	
II7-04	II	A1A	D	5'-6"	3'-7"	
II7-05	II	A1A	D	5'-6"	3'-7"	
II7-06	II	A1A	D	5'-6"	3'-7"	
II7-07	II	A1A	D	5'-6"	3'-7"	
II7-08	II	A2A	D	5'-6"	3'-7"	
II7-09	II	A1A	D	5'-6"	3'-7"	
J						
J1-03	J	E1	E	2'-0"	8'-0"	3
J1-04	J	E1	E	2'-0"	8'-0"	3
J1-05	J	E1	E	2'-0"	8'-0"	
JJ						
JJ4-01	JJ	A1A	D	5'-6"	3'-7"	
JJ4-02	JJ	A1A	D	5'-6"	3'-7"	
JJ4-03	JJ	A2A	D	5'-6"	3'-7"	
JJ4-04	JJ	A1A	D	5'-6"	3'-7"	
JJ4-05	JJ	A1A	D	5'-6"	3'-7"	
JJ4-06	JJ	A1A	D	5'-6"	3'-7"	
JJ4-07	JJ	A1A	D	5'-6"	3'-7"	
JJ4-08	JJ	A1A	D	5'-6"	3'-7"	
JJ5-01	JJ	A1A	D	5'-6"	3'-7"	
JJ5-02	JJ	A1A	D	5'-6"	3'-7"	
JJ5-03	JJ	A1A	D	5'-6"	3'-7"	
JJ5-04	JJ	A1A	D	5'-6"	3'-7"	
JJ5-05	JJ	A1A	D	5'-6"	3'-7"	
JJ5-06	JJ	A1A	D	5'-6"	3'-7"	
JJ5-07	JJ	A1A	D	5'-6"	3'-7"	
JJ5-08	JJ	A1A	D	5'-6"	3'-7"	
JJ7-01	JJ	A1A	D	5'-6"	3'-7"	
JJ7-02	JJ	A1A	D	5'-6"	3'-7"	
JJ7-03	JJ	A1A	D	5'-6"	3'-7"	
JJ7-04	JJ	A1A	D	5'-6"	3'-7"	
JJ7-05	JJ	A1A	D	5'-6"	3'-7"	
JJ7-06	JJ	A1A	D	5'-6"	3'-7"	
JJ7-07	JJ	A1A	D	5'-6"	3'-7"	
JJ7-08	JJ	A1A	D	5'-6"	3'-7"	
K						
K1-01	K	A1	D	5'-6"	3'-7"	
K1-02	K	A1	D	5'-6"	3'-7"	
K1-03	K	A1	D	5'-6"	3'-7"	
K2-01	K	A1	D	5'-6"	3'-7"	
K2-02	K	A1	D	5'-6"	3'-7"	
K2-03	K	A1	D	5'-6"	3'-7"	
KK						
KK3-01	KK	A1A	D	5'-6"	3'-7"	
KK3-02	KK	A1A	D	5'-6"	3'-7"	
KK3-03	KK	A1A	D	5'-6"	3'-7"	
KK3-04	KK	A1A	D	5'-6"	3'-7"	
KK3-05	KK	A1A	D	5'-6"	3'-7"	
KK4-01	KK	A1A	D	5'-6"	3'-7"	
KK4-02	KK	A1A	D	5'-6"	3'-7"	5
KK4-03	KK	A1A	D	5'-6"	3'-7"	
KK4-04	KK	A1A	D	5'-6"	3'-7"	
KK4-05	KK	A1A	D	5'-6"	3'-7"	
KK4-06	KK	A1A	D	5'-6"	3'-7"	
KK4-07	KK	A1A	D	5'-6"	3'-7"	
KK4-08	KK	A1A	D	5'-6"	3'-7"	5
KK4-09	KK	A1A	D	5'-6"	3'-7"	
KK4-10	KK	A1A	D	5'-6"	3'-7"	
KK4-11	KK	A1A	D	5'-6"	3'-7"	
KK5-01	KK	A1A	D	5'-6"	3'-7"	
KK5-02	KK	A1A	D	5'-6"	3'-7"	
KK5-03	KK	A1A	D	5'-6"	3'-7"	
KK5-04	KK	A1A	D	5'-6"	3'-7"	
KK5-05	KK	A1A	D	5'-6"	3'-7"	
KK5-06	KK	A1A	D	5'-6"	3'-7"	
KK5-07	KK	A1A	D	5'-6"	3'-7"	
KK5-08	KK	A1A	D	5'-6"	3'-7"	
KK5-09	KK	A1A	D	5'-6"	3'-7"	
KK5-10	KK	A1A	D	5'-6"	3'-7"	
KK5-11	KK	A1A	D	5'-6"	3'-7"	
KK6-08	KK	A1A	D	5'-6"	3'-7"	
KK7-02	KK	A1A	D	5'-6"	3'-7"	
KK7-03	KK	A1A	D	5'-6"	3'-7"	
KK7-04	KK	A1A	D	5'-6"	3'-7"	
KK7-05	KK	A1A	D	5'-6"	3'-7"	
KK7-06	KK	A1A	D	5'-6"	3'-7"	
KK7-07	KK	A1A	D	5'-6"	3'-7"	
KK7-08	KK	A2A	D	5'-6"	3'-7"	
KK7-09	KK	A1A	D	5'-6"	3'-7"	
KK7-10	KK	A2A	D	5'-6"	3'-7"	
KK7-11	KK	A1A	D	5'-6"	3'-7"	
L						
L1-01	L	A1	E	5'-6"	3'-7"	
L1-02	L	A1	E	5'-6"	3'-7"	3
L1-03	L	A1	E	5'-6"	3'-7"	
L1-04	L	A1	E	5'-6"	3'-7"	
L1-05	L	A1	E	5'-6"	3'-7"	
L1-06	L	A1	E	5'-6"	3'-7"	
L1-07	L	A1	E	5'-6"	3'-7"	
L2-01	L	A1	E	5'-6"	3'-7"	
L2-02	L	A1	E	5'-6"	3'-7"	2
L2-03	L	A1	E	5'-6"	3'-7"	2
L2-04	L	A1	E	5'-6"	3'-7"	2

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
L2-05	L	A1	E	5'-6"	3'-7"	2
L2-06	L	A1	E	5'-6"	3'-7"	
L2-07	L	A1	E	5'-6"	3'-7"	
LL						
LL3-01	LL	A1A	D	5'-6"	3'-7"	
LL3-02	LL	A1A	D	5'-6"	3'-7"	
LL3-03	LL	A1A	D	5'-6"	3'-7"	
LL3-04	LL	A1A	D	5'-6"	3'-7"	
LL3-05	LL	A1A	D	5'-6"	3'-7"	
LL3-06	LL	A1A	D	5'-6"	3'-7"	
LL4-01	LL	A1A	D	5'-6"	3'-7"	
LL4-02	LL	A1A	D	5'-6"	3'-7"	
LL4-03	LL	A1A	D	5'-6"	3'-7"	
LL4-04	LL	A1A	D	5'-6"	3'-7"	
LL4-05	LL	A1A	D	5'-6"	3'-7"	
LL4-06	LL	A1A	D	5'-6"	3'-7"	
LL4-07	LL	A1A	D	5'-6"	3'-7"	
LL5-01	LL	A1A	D	5'-6"	3'-7"	
LL5-02	LL	A1A	D	5'-6"	3'-7"	
LL5-03	LL	A1A	D	5'-6"	3'-7"	
LL5-04	LL	A1A	D	5'-6"	3'-7"	
LL5-05	LL	A1A	D	5'-6"	3'-7"	
LL5-06	LL	A1A	D	5'-6"	3'-7"	
LL6-01	LL	A1A	D	5'-6"	3'-7"	
LL6-02	LL	A1A	D	5'-6"	3'-7"	
LL6-03	LL	A1A	D	5'-6"	3'-7"	
LL6-04	LL	A1A	D	5'-6"	3'-7"	
LL6-05	LL	A1A	D	5'-6"	3'-7"	
LL6-06	LL	A1A	D	5'-6"	3'-7"	
LL6-07	LL	A1A	D	5'-6"	3'-7"	
LL7-01	LL	A1A	D	5'-6"	3'-7"	
LL7-02	LL	A1A	D	5'-6"	3'-7"	
LL7-03	LL	A1A	D	5'-6"	3'-7"	
LL7-04	LL	A1A	D	5'-6"	3'-7"	
LL7-05	LL	A1A	D	5'-6"	3'-7"	
LL7-06	LL	A1A	D	5'-6"	3'-7"	
LL7-07	LL	A1A	D	5'-6"	3'-7"	
M						
M1-01	M	A1	E	5'-6"	3'-7"	
M1-02	M	A1	E	5'-6"	3'-7"	
M1-03	M	A1	E	5'-6"	3'-7"	
M1-04	M	A1	E	5'-6"	3'-7"	
M1-05	M	A1	E	5'-6"	3'-7"	
M1-06	M	A1	E	5'-6"	3'-7"	
M1-07	M	A1	E	5'-6"	3'-7"	3
M1-08	M	A1	E	5'-6"	3'-7"	
M1-09	M	A1	E	5'-6"	3'-7"	
M1-10	M	A1	E	5'-6"	3'-7"	
M2-01	M	A1	E	5'-6"	3'-7"	
M2-02	M	A1	E	5'-6"	3'-7"	
M2-03	M	A1	E	5'-6"	3'-7"	
M2-04	M	A1	E	5'-6"	3'-7"	
M2-05	M	A1	E	5'-6"	3'-7"	
M2-06	M	A1	E	5'-6"	3'-7"	
M2-07	M	A1	E	5'-6"	3'-7"	5
M2-08	M	A1	E	5'-6"	3'-7"	
M2-09	M	A1	E	5'-6"	3'-7"	
M2-10	M	A1	E	5'-6"	3'-7"	
MM						
MM3-01	MM	A1A	D	5'-6"	3'-7"	
MM3-02	MM	A1A	D	5'-6"	3'-7"	
MM3-03	MM	A2A	D	5'-6"	3'-7"	
MM3-04	MM	A1A	D	5'-6"	3'-7"	
MM3-05	MM	A1A	D	5'-6"	3'-7"	
MM3-06	MM	A2A	D	5'-6"	3'-7"	
MM3-07	MM	A1A	D	5'-6"	3'-7"	
MM3-08	MM	A1A	D	5'-6"	3'-7"	
MM4-01	MM	A1A	D	5'-6"	3'-7"	
MM4-02	MM	A1A	D	5'-6"	3'-7"	
MM4-03	MM	A1A	D	5'-6"	3'-7"	
MM4-04	MM	A1A	D	5'-6"	3'-7"	
MM4-05	MM	A1A	D	5'-6"	3'-7"	
MM4-06	MM	A1A	D	5'-6"	3'-7"	
MM4-07	MM	A1A	D	5'-6"	3'-7"	
MM4-08	MM	A1A	D	5'-6"	3'-7"	
MM5-01	MM	A1A	D	5'-6"	3'-7"	
MM5-02	MM	A1A	D	5'-6"	3'-7"	6
MM5-03	MM	A1A	D	5'-6"	3'-7"	6
MM5-04	MM	A1A	D	5'-6"	3'-7"	
MM5-05	MM	A1A	D	5'-6"	3'-7"	
MM5-06	MM	A1A	D	5'-6"	3'-7"	6
MM5-07	MM	A1A	D	5'-6"	3'-7"	6
MM5-08	MM	A1A	D	5'-6"	3'-7"	
MM6-01	MM	A1A	D	5'-6"	3'-7"	5
MM6-02	MM	A1A	D	5'-6"	3'-7"	
MM6-03	MM	A1A	D	5'-6"	3'-7"	
MM6-04	MM	A1A	D	5'-6"	3'-7"	5
MM6-05	MM	A1A	D	5'-6"	3'-7"	
MM6-06	MM	A1A	D	5'-6"	3'-7"	
MM6-07	MM	A1A	D	5'-6"	3'-7"	
MM6-08	MM	A1A	D	5'-6"	3'-7"	5
MM7-01	MM	A1A	D	5'-6"	3'-7"	
MM7-02	MM	A1A	D	5'-6"	3'-7"	
MM7-03	MM	A1A	D	5'-6"	3'-7"	
MM7-04	MM	A1A	D	5'-6"	3'-7"	
MM7-05	MM	A1A	D	5'-6"	3'-7"	
MM7-06	MM	A1A	D	5'-6"	3'-7"	
MM7-07	MM	A1A	D	5'-6"	3'-7"	6
MM7-08	MM	A1A	D	5'-6"	3'-7"	
N						
N1-01	N	A1	E	5'-6"	3'-7"	

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
N1-02	N	A1	E	5'-6"	3'-7"	
N1-03	N	A1	E	5'-6"	3'-7"	2
N1-04	N	A1	E	5'-6"	3'-7"	
N1-05	N	A1	E	5'-6"	3'-7"	
N1-06	N	A1	E	5'-6"	3'-7"	
N2-01	N	A1	E	5'-6"	3'-7"	
N2-02	N	A1	E	5'-6"	3'-7"	
N2-03	N	A1	E	5'-6"	3'-7"	
N2-04	N	A1	E	5'-6"	3'-7"	
N2-05	N	A1	E	5'-6"	3'-7"	
N2-06	N	A1	E	5'-6"	3'-7"	
O						
O1-01	O	A1	E	5'-6"	3'-7"	
O1-02	O	A1	E	5'-6"	3'-7"	
O1-03	O	A1	E	5'-6"	3'-7"	
O1-04	O	A1	E	5'-6"	3'-7"	
O1-05	O	A1	E	5'-6"	3'-7"	
O1-06	O	A1	E	5'-6"	3'-7"	
O2-01	O	A1	E	5'-6"	3'-7"	
O2-02	O	A1	E	5'-6"	3'-7"	
O2-03	O	A1	E	5'-6"	3'-7"	
O2-04	O	A1	E	5'-6"	3'-7"	
O2-05	O	A1	E	5'-6"	3'-7"	
O2-06	O	A1	E	5'-6"	3'-7"	
P						
P1-01	P	A1	E	5'-6"	3'-7"	
P1-02	P	A1	E	5'-6"	3'-7"	
P1-03	P	A1	E	5'-6"	3'-7"	
P1-04	P	A1	E	5'-6"	3'-7"	
P1-05	P	A1	E	5'-6"	3'-7"	
P1-06	P	A1	E	5'-6"	3'-7"	
P2-01	P	A1	E	5'-6"	3'-7"	
P2-02	P	A1	E	5'-6"	3'-7"	
P2-03	P	A1	E	5'-6"	3'-7"	
P2-04	P	A1	E	5'-6"	3'-7"	
P2-05	P	A1	E	5'-6"	3'-7"	
P2-06	P	A1	E	5'-6"	3'-7"	
Q						
Q1-01	Q	A1	E	5'-6"	3'-7"	2
Q1-02	Q	A1	E	5'-6"	3'-7"	2
Q1-03	Q	A1	E	5'-6"	3'-7"	2
Q1-04	Q	A1	E	5'-6"	3'-7"	2
Q1-05	Q	A1	E	5'-6"	3'-7"	2
Q1-06	Q	A1	E	5'-6"	3'-7"	2
Q2-01	Q	A1	E	5'-6"	3'-7"	
Q2-02	Q	A1	E	5'-6"	3'-7"	
Q2-03	Q	A1	E	5'-6"	3'-7"	
R						
R1-01	R	A1	E	5'-6"	3'-7"	2
R1-02	R	A1	E	5'-6"	3'-7"	2
R1-03	R	A1	E	5'-6"	3'-7"	2
R1-04	R	A1	E	5'-6"	3'-7"	2
R1-05	R	A1	E	5'-6"	3'-7"	2
R1-06	R	A1	E	5'-6"	3'-7"	2
R2-01	R	A1	E	5'-6"	3'-7"	
R2-02	R	A1	E	5'-6"	3'-7"	
R2-03	R	A1	E	5'-6"	3'-7"	
R2-04	R	A1	E	5'-6"	3'-7"	
R2-05	R	A1	E	5'-6"	3'-7"	
R2-06	R	A1	E	5'-6"	3'-7"	
S						
S2-01	S	A1	E	5'-6"	3'-7"	4
S2-02	S	A1	E	5'-6"	3'-7"	4
S2-03	S	A1	E	5'-6"	3'-7"	4
S2-04	S	A1	E	5'-6"	3'-7"	
S2-05	S	A1	E	5'-6"	3'-7"	4
S2-06	S	A1	E	5'-6"	3'-7"	
T						
T2-01	T	A1	E	5'-6"	3'-7"	4
T2-02	T	A1	E	5'-6"	3'-7"	
T2-03	T	A1	E	5'-6"	3'-7"	
T2-04	T	A1	E	5'-6"	3'-7"	
T2-05	T	A1	E	5'-6"	3'-7"	
T2-06	T	A1	E	5'-6"	3'-7"	
T2-07	T	A1	E	5'-6"	3'-7"	
T2-08	T	A1	E	5'-6"	3'-7"	
T2-09	T	A1	E	5'-6"	3'-7"	
T2-10	T	A1	E	5'-6"	3'-7"	
T2-11	T	A1	E	5'-6"	3'-7"	
T2-12	T	A1	E	5'-6"	3'-7"	
T2-13	T	A1	E	5'-6"	3'-7"	
T2-14	T	A1	E	5'-6"	3'-7"	
U						
U1-01	U	A1	E	5'-6"	3'-7"	
U2-01	U	A1	E	5'-6"	3'-7"	
U2-02	U	A1	E	5'-6"	3'-7"	
U2-03	U	A1	E	5'-6"	3'-7"	
U2-04	U	A1	E	5'-6"	3'-7"	
U2-05	U	A1		5'-6"	3'-7"	
U2-06	U	A1	E	5'-6"	3'-7"	
V						
V1-01	V	A1	E	5'-6"	3'-7"	
V1-02	V	A1	E	5'-6"	3'-7"	
V1-03	V	A1	E	5'-6"	3'-7"	
V1-04	V	A1	E	5'-6"	3'-7"	
V1-05	V	A1	E	5'-6"	3'-7"	
V1-06	V	A1	E	5'-6"	3'-7"	
V2-01	V	A1	E	5'-6"	3'-7"	
V2-02	V	A1	E	5'-6"	3'-7"	
V2-03	V	A1	E	5'-6"	3'-7"	
V2-04	V	A1	E	5'-6"	3'-7"	

WINDOW SCHEDULE

ZA	Facade	Window Type	Impact Level	M.O. Height	M.O. Width	Remarks
V2-05	V	A1	E	5'-6"	3'-7"	
V2-06	V	A1	E	5'-6"	3'-7"	
W						
W1-01	W	A1	E	5'-6"	3'-7"	
W1-02	W	A1	E	5'-6"	3'-7"	
W1-03	W	A1	E	5'-6"	3'-7"	
W1-04	W	A1	E	5'-6"	3'-7"	
W1-05	W	A1	E	5'-6"	3'-7"	
W1-06	W	A1	E	5'-6"	3'-7"	
W2-01	W	A1	E	5'-6"	3'-7"	
W2-02	W	A1	E	5'-6"	3'-7"	
W2-03	W	A1	E	5'-6"	3'-7"	
W2-04	W	A1	E	5'-6"	3'-7"	
W2-05	W	A1	E	5'-6"	3'-7"	
W2-06	W	A1	E	5'-6"	3'-7"	
X						
X1-01	X	A1	E	5'-6"	3'-7"	
X1-02	X	A1	E	5'-6"	3'-7"	
X1-03	X	A1	E	5'-6"	3'-7"	
X1-04	X	A1	E	5'-6"	3'-7"	
X1-05	X	A1	E	5'-6"	3'-7"	
X1-06	X	A1	E	5'-6"	3'-7"	
X2-01	X	A1	E	5'-6"	3'-7"	
X2-02	X	A1	E	5'-6"	3'-7"	
X2-03	X	A1	E	5'-6"	3'-7"	
X2-04	X	A1	E	5'-6"	3'-7"	
X2-05	X	A1	E	5'-6"	3'-7"	
X2-06	X	A1	E	5'-6"	3'-7"	
Y						
Y1-01	Y	A1	E	5'-6"	3'-7"	3
Y1-02	Y	A1	E	5'-6"	3'-7"	
Y1-03	Y	A1	E	5'-6"	3'-7"	
Y1-04	Y	A1	E	5'-6"	3'-7"	
Y1-05	Y	A1	E	5'-6"	3'-7"	
Y1-06	Y	A1	E	5'-6"	3'-7"	
Y2-01	Y	A1	E	5'-6"	3'-7"	
Y2-02	Y	A1	E	5'-6"	3'-7"	
Y2-03	Y	A1	E	5'-6"	3'-7"	
Y2-04	Y	A1	E	5'-6"	3'-7"	
Y2-05	Y	A1	E	5'-6"	3'-7"	
Z						
Z1-01	Z	A1	E	5'-6"	3'-7"	
Z1-02	Z	A1	E	5'-6"	3'-7"	
Z1-03	Z	A1	E	5'-6"	3'-7"	
Z1-04	Z	A1	E	5'-6"	3'-7"	
Z1-05	Z	A1	E	5'-6"	3'-7"	
Z1-06	Z	A1	E	5'-6"	3'-7"	
Z2-01	Z	A1	E	5'-6"	3'-7"	
Z2-02	Z	A1	E	5'-6"	3'-7"	
Z2-03	Z	A1	E	5'-6"	3'-7"	
Z2-04	Z	A1	E	5'-6"	3'-7"	
Z2-05	Z	A1	E	5'-6"	3'-7"	
Z2-06	Z	A1	E	5'-6"	3'-7"	

CURTAINWALL WINDOW SCHEDULE

Mark	Facade	Window Type	Impact Level	M.O. Height	M.O. Length	Remarks
C						
C1-01	C	EE	E	5'-6"	20'-0 13/16"	
C2-01	C	CC	E	5'-3 1/2"	18'-8 11/16"	
D						
D1-01	D	DD	E	5'-6"	11'-2"	
D1-02	D	CC	E	5'-6"	3'-8 7/8"	
D2-01	D	AA1	E	5'-8"	10'-11 1/2"	
D2-02	D	BB1	E	5'-8"	10'-3"	
D2-03	D	AA1	E	5'-8"	11'-2 15/16"	
E						
E2-01	E	CC	E	5'-2"	18'-8 11/16"	
J						
J1-01	J	GG	E	11'-6"	17'-5 1/2"	4, 7
J1-02	J	FF	E	11'-6"	9'-3 13/16"	4, 7

Window Remarks:

1. Vents/Ductwork: See Photos #1/A-701. See Details #4 & 5, Sheet A-602.
2. Window Treatments: See Photos #2/A-701.
3. Clearance & Minor Obstructions: See Photos #3/A-701.
4. Major Interior Obstructions: See Photos #4/A-702.
5. Walls Contacting Glass: See Photos #5/A-702. See Details #2 & 3, Sheet A-602.
6. Note the close proximity of the adjacent ceiling-mounted patient lift track.
7. Above Ceiling Construction Required: See Photos #6/A-702.

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Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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STATE OF FLORIDA JASON H. ROSS AR101907 REGISTERED ARCHITECT

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WINDOW SCHEDULE

Approved: STATION CHIEF - MICHAEL ROGALA

Phase: 100% BID DOCUMENTS

FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE

Location: TAMPA, FLORIDA

Issue Date: 01/31/25 | Checked: DF | Drawn: VR

Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00

Building Number: B1

Drawing Number: A-630

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1 DUCTWORK

(FF6-06) Sixth Flr.

(HH6-01.1) Sixth Flr.

(DD7-00) Seventh Flr.

(EE7-01.1) Seventh Flr.

2 WINDOW TREATMENTS

(Q1-01) First Flr.

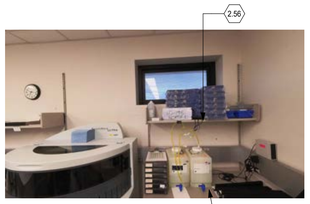
(F1-07) First Flr.

3 MINOR OBSTRUCTIONS

(L1-02) First Flr.

(CC1-07) First Flr.

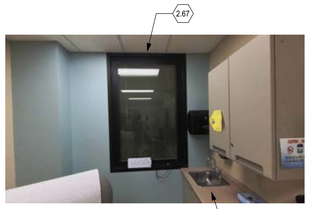
(DD5-02) Fifth Flr.



(CC1-02) First Flr.

(KK5-11) Fifth Flr.

(J1-04) First Flr.



(V1-03) First Flr.

(K1-01) First Flr.

GENERAL NOTES:

A. All window interior removal/replacement issues shall be subjected to the VA Interior Designer's resolutions for removing and reconstructing the wall, ceiling, etc.

⎔ NOTES:

2.54	Owner to remove and reinstall existing modular casework to perform window replacement.
2.55	Protect existing countertop.
2.56	Owner to remove and reinstall existing shelf.
2.58	Remove & salvage existing window shade, roller shade, valance, or window treatment for installation.
2.59	Protect existing soffit, casework, and wall/ceiling pocket surfaces adjacent to new window replacement.
2.61	Protect existing building components during window replacement.
2.67	Remove & salvage existing ceiling & grid as required for window replacement. Reinstall after completion.
2.68	Protect existing cabinetry as required.
2.103	Modify and reconnect existing ductwork to new exterior louver. Refer to details #4 and 5 /a-602.

INTERIOR WINDOW LEGEND:

(XX-XX) Xxxxx Xxx.

Window Number — Floor Level

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Revisions	Date
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STATE OF FLORIDA — JASON H. ROSS — AR101907 — REGISTERED ARCHITECT

Office of Construction and Facilities Management

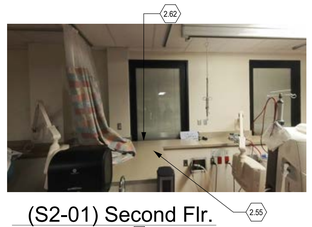
VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR WINDOW CONDITIONS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDC/JPA Project No. 22004.00
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number: B1
		Issue Date: 01/31/25 / Checked: DF / Drawn: RG	Drawing Number: A-701

VA FORM 08 - 6231

4 MAJOR OBSTRUCTIONS

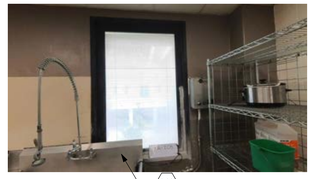
(AA2-04) First Flr.



(S2-01) Second Flr.

(CC1-03) First Flr.

(K1-01) First Flr.



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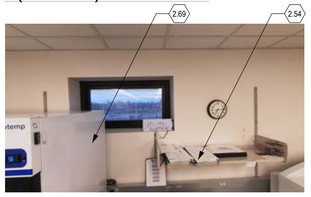
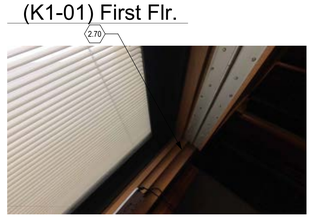


(CC1-01) First Flr.

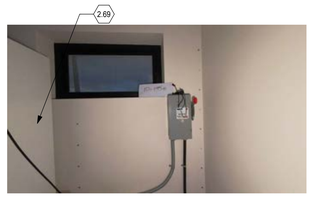
(BB1-02) First Flr.

(F2-05-1) Second Flr.



(F2-09) Second Flr.

(AA2-06) Second Flr.

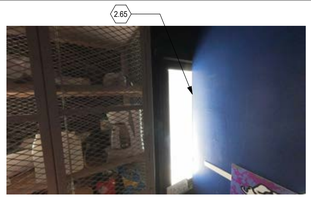


(CC1-05) First Flr.

5 WALLS MAKING CONTACT

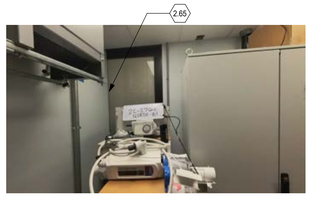
(A2-15) Second Flr.

(A2-15) Second Flr.



(M2-07) Second Flr.

(M2-07) Second Flr.



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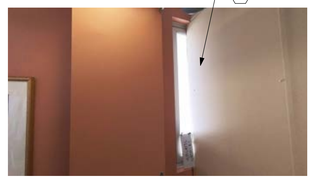
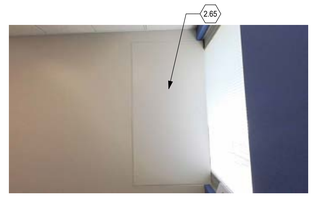
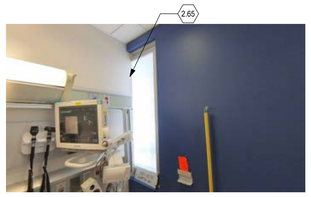
(AA2-03) Second Flr.



(KK4-08) Fourth Flr.



(KK4-08) Fourth Flr.

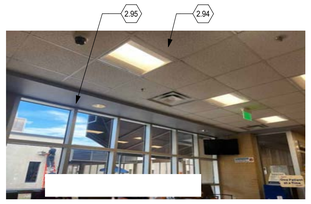


(KK4-02) Fourth Flr.

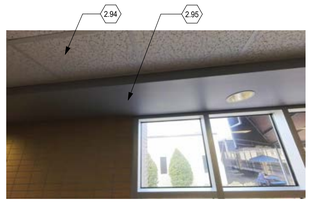
6 ABOVE CEILING CONSTRUCTION REQUIRED

(I1-05) First Flr.

(I1-05) First Flr.



(J1-01) First Flr.



(J1-01) First Flr.

(J1-02) First Flr.

GENERAL NOTES:

A. All window interior removal/replacement issues shall be subjected to the VA Interior Designer's resolutions for removing and reconstructing the wall, ceiling, etc.

⎔ NOTES:

2.54 Owner to remove and reinstall existing modular casework to perform window replacement.
2.55 Protect existing countertop.
2.62 Finish & repair all accessible surfaces & joints. Install replacement finish sill material as allowed per available clearance.
2.63 Remove existing metal mesh window covering. Turn over & salvage to the owner.
2.65 Remove & modify existing partition framing and sheathing for new partition gap closure. See details #2 & 3, sheet a-602.
2.69 Protect existing equipment to remain during window replacement. Finish & repair all accessible surfaces and joints.
2.70 Protect existing interior window trim and operable shutters, panels, and stained glass during window replacement. Confirm with VA if any components are to be removed & reinstalled during window work.
2.94 Remove & reinstall the acoustic ceiling for access.
2.95 Remove & reinstall ceiling and/or soffit for above-ceiling access.See rcp #1, sheet a-622.

INTERIOR WINDOW LEGEND:

(XX-XX) Xxxxx Xxx.
Window Number — Floor Level

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: INTERIOR WINDOW CONDITIONS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Drawing Number: A-702
		Issue Date: 01/31/25 · Checked: DF · Drawn: RG	

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STRUCTURAL GENERAL NOTES

MISCELLANEOUS

1. THESE ABBREVIATED DRAWING NOTES ARE WRITTEN TO MATCH THE BOOK SPECIFICATIONS. IF THERE ARE ANY ITEMS THAT DO NOT CORRESPOND EXACTLY AS WRITTEN, THE MORE STRINGENT WILL TAKE PRECEDENCE.

2. THE STRUCTURAL SYSTEM IS UNSTABLE UNTIL ALL CONNECTIONS HAVE BEEN MADE AND ALL CONCRETE HAS REACHED ITS MINIMUM DESIGN STRENGTH, AS SHOWN IN THE STRUCTURAL DOCUMENTS.

3. CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO ENSURE THE SAFETY OF THE BUILDING UNTIL STRUCTURAL SYSTEM IS COMPLETED. THIS INCLUDES, BUT IS NOT THE LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, SHORING, GUYS TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OR TIE BE CONTRACTOR AFTER COMPLETION OF THE PROJECT.

4. CONTRACTOR TO SUPPORT, BRACE AND SECURE EXISTING STRUCTURE AS REQUIRED. CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION.

5. APPLICABLE BUILDING CODE: 8TH EDITION (2023) FLORIDA BUILDING CODE.

6. GRAVITY DESIGN LOADS: REFER TO ORIGINAL DRAWINGS

7. WIND DESIGN CRITERIA:
ULTIMATE WIND SPEED: V_{ULT} = 153 MPH (3 SECOND GUST)
EQUIVALENT NOMINAL BASIC WIND SPEED V_{ASD} = 119 MPH (3 SECOND GUST)
RISK CATEGORY = IV
EXPOSURE CATEGORY = C
ENCLOSED BUILDING INTERNAL PRESSURE COEFFICIENT, GC_{Pi} = +/-0.18
WIND BORNE DEBRIS REGION

8. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REFERENCED BUILDING CODE.

9. COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE ARCHITECTURAL DRAWINGS. DO NOT SCALE DRAWINGS.

10. CONTACT ENGINEER WITH ANY QUESTIONS OR DISCREPANCIES FOUND ON DRAWINGS.

11. BUILDING EXPANSION JOINTS (EJ), WHERE SHOWN, WILL EXPAND AND CONTRACT OVER THE LIFE OF THE BUILDING. JOINT SEALANTS AND COVERS MUST ACCOMMODATE THIS MOVEMENT.

12. DETAILS AND SECTIONS ARE REFERENCED IN TYPICAL LOCATIONS BUT ALSO APPLY TO ALL OTHER SIMILAR CONDITIONS.

13. CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.

14. SUBMIT SHOP DRAWINGS AS REQUIRED HEREIN. ALLOW FOR TWO WEEKS REVIEW TIME AFTER RECEIPT OF SUBMITTALS BY THIS FIRM. ALL SUBMITTALS SHALL BE CHECKED AND SIGNED BY THE GENERAL CONTRACTOR AND SIGNED/SEALED BY THE DELEGATED ENGINEER, WHERE SPECIFIED HEREIN.

15. CONTRACTOR SHALL NOT BE RELIEVED FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS OR MIX DESIGNS BY THE ENGINEER'S REVIEW THEREOF.

16. ANY CHANGES TO THE STRUCTURE SHALL HAVE BEEN REVIEWED AND APPROVED IN WRITING BY THE ENGINEER PRIOR TO COMMENCING WORK ON ITEMS AFFECTED.

17. CONTRACTOR SHALL NOTIFY THIS OFFICE WHEN THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETED, AND BEFORE SHEATHING, CEILINGS, OR ROOFING IS INSTALLED.

GLAZED CURTAIN WALL, STOREFRONT, WINDOW AND DOOR SYSTEMS

1. EXTERIOR GLAZED OPENINGS SHALL BE DESIGNED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRINCIPLES AND GOVERNING CODES.

2. THIS BUILDING HAS BEEN DESIGNED AS "ENCLOSED". REFER TO THE STRUCTURAL DRAWINGS FOR COMPONENTS AND CLADDING MINIMUM DESIGN WIND PRESSURES.

3. THIS SITE IS LOCATED WITHIN A WIND BORNE DEBRIS REGION, AS SHOWN IN FIGURE 1609 OF THE FLORIDA BUILDING CODE, ALL EXTERIOR GLAZED OPENINGS SHALL BE DESIGNED AND TESTED FOR MISSILE IMPACT OR PROTECTED BY APPROVED SCREENS OR SHUTTERS.

4. A LICENSED PROFESSIONAL ENGINEER SHALL DESIGN THE EXTERIOR GLAZED SYSTEMS, SHOP DRAWINGS, AND OVERSEE ANY LOAD TESTING.

5. SIGNED AND SEALED SHOP DRAWINGS OR NOTICE OF ACCEPTANCE (NOA), OR FLORIDA PRODUCT APPROVAL DOCUMENTATION SHALL BE SUBMITTED IN ACCORDANCE WITH THE ARCHITECT'S REQUIREMENTS.

6. GLAZING AND WINDOW SYSTEMS SHALL BE DESIGNED TO RESIST BLAST LOADING AND PROVIDE THE LEVEL OF PROTECTION AS SPECIFIED ON THESE DRAWINGS. SEE BLAST DESIGN CRITERIA.

DELEGATED ENGINEER

1. WHERE NOTED HEREIN, A LICENSED PROFESSIONAL (DELEGATED) ENGINEER SHALL BE RETAINED TO DESIGN THE PRODUCT OR ASSEMBLY.

2. THE DELEGATED ENGINEER SHALL BE EXPERIENCED IN THE DESIGN OF THE REFERENCED PRODUCT OR ASSEMBLY.

3. THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.

4. IT IS THE DELEGATED ENGINEER'S RESPONSIBILITY TO REVIEW THE ENGINEER OF RECORD'S WRITTEN ENGINEERING REQUIREMENTS AND AUTHORIZATION FOR THE DELEGATED ENGINEERING DOCUMENT TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.

5. THE DELEGATED ENGINEERING DOCUMENT SHALL COMPLY WITH THE WRITTEN ENGINEERING REQUIREMENTS RECEIVED FROM THE ENGINEER OF RECORD. THEY SHALL INCLUDE THE PROJECT IDENTIFICATION AND THE CRITERIA USED AS A BASIS FOR ITS PREPARATION. IF A DELEGATED ENGINEER DETERMINES THERE ARE DETAILS, FEATURES OR UNANTICIPATED PROJECT LIMITS WHICH CONFLICT WITH THE WRITTEN ENGINEERING REQUIREMENTS PROVIDED BY THE ENGINEER OF RECORD, THE DELEGATED ENGINEER SHALL TIMELY CONTACT THE ENGINEER OF RECORD FOR RESOLUTION OF CONFLICTS.

6. THE DELEGATED ENGINEER SHALL FORWARD THE DELEGATED ENGINEERING DOCUMENT TO THE ENGINEER OF RECORD FOR REVIEW. ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AND INCLUDE:
A) DRAWINGS INTRODUCING ENGINEERING INPUT SUCH AS DEFINING THE CONFIGURATION OR STRUCTURAL CAPACITY OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.
B) CALCULATIONS.

DRILL-IN BOLTS, SCREWS AND DOWELS

1. ADHESIVE DOWELING RODS/BOLTS SHALL BE CARBON STEEL THREADED ROD CONFORMING TO ISO 898 5.8 WITH A MINIMUM TENSILE STRENGTH OF 72.5 KSI (500MPA) AND A MINIMUM YIELD OF 58 KSI (400MPA). THREADED RODS WITH NUTS AND WASHERS INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

2. ANCHORING ADHESIVE SHALL BE A TWO-COMPONENT SYSTEM SUPPLIED IN MANUFACTURER'S STANDARD SIDE-BY-SIDE FOIL PACKAGE AND DISPENSED THROUGH A STATIC-MIXING NOZZLE SUPPLIED BY THE MANUFACTURER. ADHESIVE SHALL BE TESTED AND APPROVED TO MEET THE MINIMUM REQUIREMENTS OF ACI 355.4 FOR CRACKED AND UNCRACKED CONCRETE RECOGNITION. PROVIDE HILTI HY 200 SAFE SET (ESR 3187) OR RE 500 V3 (ESR 3814) ANCHORS BY HILTI OR EQUAL (E.G. SIMPSON SET-XP, ATC ULTRABOND 365CC) FOR ANCHORING TO CONCRETE AND HILTI HIT-HY 270 FOR ANCHORING TO CMU UNLESS SPECIFIED OTHERWISE IN THE STRUCTURAL DOCUMENT.

3. DRILL-IN REBAR DOWELS SHALL BE SET USING A TWO-PART ADHESIVE AS DESCRIBED ABOVE.

4. EXPANSION BOLTS SHALL BE HILTI KB TZ (ESR 1917) OR EQUAL. BOLT SHALL MEET DUCTILITY REQUIREMENTS OF ACI 318 SECTION D1.

5. EXPANSION BOLTS SHALL HAVE CARBON STEEL ANCHOR BODY AND NUT AND WASHER SHALL BE ELECTROPLATED ZINC COATING CONFORMING TO ASTM B633 TO A MINIMUM OF 5MM. STAINLESS STEEL ANCHOR EXPANSION BOLTS SHALL HAVE A STAINLESS STEEL BODY, NUT AND WASHER, AND EXPANSION SLEEVE SHALL CONFORM TO TYPE 316 STAINLESS STEEL. EXPANSION ANCHORS SHALL MEET THE MINIMUM REQUIREMENTS OF ACI 355.2 FOR CRACKED AND UNCRACKED CONCRETE. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

6. MASONRY SCREWS SHALL BE 1/4" DIAMETER WITH 1-5/8" MINIMUM EMBEDMENT INSTALLED IN DRILLED HOLES USING AN APPROPRIATE BIT DIAMETER.

7. SCREWS SHALL HAVE A BODY MADE OF CARBON STEEL AND SHALL BE HEAT TREATED AND SHALL HAVE 8MM ZINC COATING IN ACORDANCE WITH EN ISO 4042. PROVIDE HUS EZ (ESR 3027) SCREWS BY HILTI OR EQUAL.

8. HEAVY-DUTY CONCRETE AND MASONRY SCREWS SHALL BE TESTED AND APPROVED TO MEET MINIMUM REQUIREMENTS OF ACI 355.2. HILTI KWICK HUS EZ (ESR-3027 FOR CONCRETE, ESR-3056 FOR GROUT FILLED MASONRY). HEAVY DUTY SCREWS BY HILTI OR EQUAL.

9. THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THE ANCHORING PRODUCTS SPECIFIED.

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATION FOR BUILDINGS", LATEST EDITION.
STEEL MATERIALS SHALL SATISFY SECTIONS 6.1 AND 6.3 OF AISC 341.
WELDED JOINTS SHALL SATISFY SECTIONS 7.3 OF AISC 341.
BOLTED JOINTS SHALL SATISFY SECTIONS 7.2 OF AISC 341.

2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D1.1. ALL WELDING SHALL BE PERFORMED USING E70XX, LOW HYDROGEN ELECTRODES. ELECTRODES ARE TO BE PROTECTED FROM MOISTURE.

3. CONNECTIONS TO BE DOUBLE ANGLE OR DOUBLE BENT PLATE FRAMED BEAM CONNECTION PER AISC UNLESS NOTED OTHERWISE. SHOP CONNECTIONS MAY BE WELDED OR BOLTED. WELDS ARE TO BE EQUAL IN STRENGTH TO BOLTS. ALL CONNECTIONS TO INCLUDE NUTS AND PLAIN HARDENED WASHERS. ALL BOLTS SHALL BE TIGHTENED SNUG TIGHT UNLESS OTHERWISE NOTED. DESIGN CONNECTIONS FOR THE SHEAR SHOWN ON THE DRAWINGS IN ACCORDANCE WITH THE LATEST EDITION OF THE AISC "MANUAL OF STEEL CONSTRUCTION".

4. SIZE AND USE OF HOLES: SEE AISC TABLE J3.3.
A) LARGER HOLES ARE PERMITTED IN STANDARD COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 3/8". HARDENED WASHERS, TO COVER THE LARGER HOLE, SHALL BE PROVIDED.
B) LARGER HOLES ARE NOT PERMITTED IN WIND FRAME COLUMN BASE PLATES. MAXIMUM HOLE DIAMETER = BOLT DIAMETER + 1/16".
C) LONG SLOTTED HOLES NOT PERMITTED.
D) SHORT SLOTTED HOLES: PROVIDE HARDENED WASHERS THAT COMPLETELY COVER THE SLOT AFTER INSTALLATION. PERMITTED IN ONLY ONE PLY OF A CONNECTION.

5. STEEL BEAMS SHALL BE FABRICATED WITH THE NATURAL CAMBER (WITHIN THE MILL TOLERANCE) LOCATED ABOVE THE HORIZONTAL CENTERLINE BETWEEN THE END CONNECTIONS.

6. VERIFY THE EXACT SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS FOR MECHANICAL EQUIPMENT WITH THE MECHANICAL CONTRACTOR PRIOR TO FABRICATION OF MATERIALS.

7. SHOP PRIME STEEL SURFACES EXCEPT THE FOLLOWING:
A) SURFACES EMBEDDED IN CONCRETE OR MORTAR. EXTEND PRIMING OF PARTIALLY EMBEDDED MEMBERS TO A DEPTH OF 2 INCHES.
B) SURFACES TO BE FIELD WELDED.
C) SURFACES TO BE HIGH-STRENGTH BOLTED WITH SLIP-CRITICAL CONNECTIONS.
D) SURFACES TO RECEIVE SPRAYED FIRE-RESISTIVE MATERIALS.
E) GALVANIZED SURFACES.

8. SURFACE PREPARATION: CLEAN SURFACES TO BE PAINTED. REMOVE LOOSE RUST AND MILL SCALE AND SPATTER, SLAG, OR FLUX DEPOSITS. PREPARE SURFACES ACCORDING TO THE FOLLOWING SPECIFICATIONS AND STANDARDS.

9. PRIMING: IMMEDIATELY AFTER SURFACE PREPARATION, APPLY PRIMER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS AND AT RATE RECOMMENDED BY SSPC TO PROVIDE A DRY FILM THICKNESS OF NOT LESS THAN 1.5 MILS. USE PRIMING METHODS THAT RESULT IN FULL COVERAGE OF JOINTS, CORNERS, EDGES, AND EXPOSED SURFACES.
A) STRIPE PAINT CORNERS, CREVICES, BOLTS, WELDS, AND SHARP EDGES.
B) APPLY TWO COATS OF SHOP PAINT TO INACCESSIBLE SURFACES AFTER ASSEMBLY OR ERECTION. CHANGE COLOR OF SECOND COAT TO DISTINGUISH IT FROM FIRST.

10. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION.

11. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO PERFORM THE FOLLOWING TESTS.
A) VISUALLY INSPECT ALL STEEL MEMBERS AND CONNECTIONS.
B) TEST 50 PERCENT OF FULL PENETRATION WELDS.

12. ONE COPY OF ALL TEST REPORTS SHALL BE SENT DIRECTLY TO OWNER, ARCHITECT, STRUCTURAL ENGINEER, AND GENERAL CONTRACTOR.

13. STEEL SHALL CONFORM TO:
WIDE FLANGE (WF)(WT)------ASTM A992 (50 KSI)
SHAPES (S, L, C, MC)---------ASTM A36
HOLLOW STRUCTURAL SECTIONS (HSS)---ASTM A500 GRADE C (RECTANGULAR 50 KSI; ROUND 46 KSI)
STEEL PIPE----------ASTM A53
ANCHOR RODS----------ASTM F1554 (55 KSI W/S1 SUPPLEMENT)
FRAMING BOLTS----------ASTM A325N OR A490N
WELDING ELECTRODES--------E70XX

14. FASTENERS AND MATERIALS USED FOR WELDING OR OTHERWISE SECURING COMPONENTS ONE TO ANOTHER SHALL BE OF DOMESTIC (USA MADE) MANUFACTURE. SIMILARLY, ALL MATERIALS USED IN THE MANUFACTURING PROCESS SHALL BE FROM A DOMESTIC SOURCE.

15. OPENINGS THROUGH STEEL BEAMS SHALL BE PROVIDED AS DETAILED ON THE DRAWINGS. ALL SUCH OPENINGS SHALL BE MACHINE CUT IN THE SHOP. ALL RECTANGULAR OPENINGS SHALL HAVE A CORNER RADIUS OF 2 TIMES THE WEB THICKNESS, 1/2" MINIMUM.

16. SHOP AND FIELD WELDS SHALL BE DONE BY A.W.S. CERTIFIED WELDERS. PROVIDE CURRENT CERTIFICATES UPON REQUEST.

17. NO SPLICES SHALL BE PERMITTED IN ANY STRUCTURAL STEEL MEMBER UNLESS SHOWN ON APPROVED SHOP DRAWINGS.

18. STEEL STAIRS AND/OR LADDERS SHALL BE DESIGNED FOR 100 PSF LIVE LOAD BY A LICENSED DELEGATED ENGINEER, WHO SHALL SUBMIT SIGNED AND SEALED SHOP DRAWINGS. SHOP DRAWINGS SHALL SPECIFY ALL DESIGN LOADS.

19. SUBMITTALS: CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING ALL STRUCTURAL STEEL LAYOUTS AND DETAILS, SIZES OF MEMBERS, TYPE OF STEEL, CONNECTION DETAILS, WELDS, BOLTS, ETC., AS REQUIRED TO FABRICATE AND ERECT ALL STRUCTURAL STEEL FRAMING. ALL CONNECTIONS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE DESIGNED BY THE DETAILER AND SUBMITTED ON SHOP DRAWINGS, SIGNED AND SEALED BY A REGISTERED FLORIDA DELEGATED ENGINEER.

20. NON-SHRINK GROUT SHALL BE: NONMETALLIC SHRINKAGE-RESISTANT GROUT, PREMIXED, NON-CORROSIVE, NON-STAINING PRODUCT CONTAINING SELECTED SILICA SANDS, PORTLAND CEMENT, SHRINKAGE COMPENSATING AGENTS, PLASTICIZING AND WATER-REDUCING AGENTS, COMPLYING WITH CRD-C621, CORPS OF ENGINEERS.

21. IF NOT SPECIFIED ON THE DRAWINGS, THE THROAT SIZE OF ANY FILLET WELD SHALL BE EQUAL TO 1/16" LESS THAN THE THINNEST CONNECTION COMPONENT.

22. NO FIELD WELDING OF GALVANIZED MEMBERS IS PERMITTED.

23. MINIMUM EMBEDMENT DEPTH OF ANCHOR BOLTS UNLESS NOTED OTHERWISE:
A) BEAMS, COLUMNS, WALLS = 6"
B) FOOTINGS = 3" FROM BOTTOM

24. ERECTION
A) BEFORE ERECTION, THE CONTRACTOR IS TO REMOVE ALL MUD, DIRT OR OTHER FOREIGN MATTER, WHICH ACCUMULATES DURING HANDLING AND STORAGE.
B) DRIFTING TO ENLARGE UNFAIR HOLES WILL NOT BE PERMITTED. DRILL SUCH HOLES TO ACCOMMODATE THE NEXT LARGER SIZE FASTENER, WHERE POSSIBLE.
C) AFTER ERECTION, CLEAN FIELD WELDS, BOLTED CONNECTIONS, AND ABRADED AREAS WHERE SHOP COAT HAS BEEN DAMAGED. SPOT AND PRIME AREAS USING SAME MATERIAL AS SHOP COAT.
D) SET ALL MEMBERS SO THAT, IN THEIR FINAL LOCATION, LEVEL, PLUMBNESS AND ALIGNMENT ARE WITHIN THE TOLERANCES PRESCRIBED BY AISC CODE.
E) DOUBLE CONNECTIONS THROUGH COLUMN WEBS OR AT BEAMS THAT FRAME OVER THE TOPS OF COLUMNS MUST BE DESIGNED TO HAVE AT LEAST ONE INSTALLED BOLT REMAIN IN PLACE TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED. ALTERNATIVELY, THE FABRICATOR MUST SUPPLY A SEAT OR EQUIVALENT DEVICE WITH A MEANS OF POSITIVE ATTACHMENT TO SUPPORT THE FIRST BEAM WHILE THE SECOND BEAM IS BEING ERECTED.

25. FABRICATION AND ERECTION OF STEEL MEMBERS SHALL BE IN ACCORDANCE WITH AISC 360 CHAPTER M.

26. STEEL FABRICATORS AND ERECTORS QUALITY CONTROL PROGRAMS SHALL MEET THE REQUIREMENTS OF AISC 360 CHAPTER N. CHAPTER N REQUIREMENTS SHALL BE CONSIDERED MINIMUMS. FREQUENCY OF INSPECTIONS SHALL MEET THE REQUIREMENTS OF CHAPTER N.

METAL DECKING

1. METAL DECK WORK SHALL CONFORM TO THE REQUIREMENTS OF THE STEEL DECK INSTITUTE.

2. FASTEN DECK AS INDICATED ON PLANS.

3. METAL ROOF DECK SHALL BE 50 KSI, 1 1/2" DEEP, 20 GA., WIDE RIB TYPE B AND GALVANIZED. (VULCRAFT 1.5B20 OR EQUIVALENT.)

4. FASTEN ROOF DECK TO EACH SUPPORT WITH #12TEK SCREWS SUPPORT PER 36 INCH WIDTH. SIDELAPS SHALL BE FASTENED WITH #12TEK SCREWS AS INDICATED ON PLANS.

5. MINIMUM FASTENING AT BUILDING PERIMETER OF DECK SHALL BE #12TEK SCREWS AT 6" O.C.

6. METAL DECK AND SHEET METAL COATING DESIGNATION:
A. WITH STRUCTURAL CONCRETE OR INSULATING CONCRETE TOPPING - G90
B. WITHOUT STRUCTURAL CONCRETE OR INSULATING CONCRETE TOPPING - G60

7. USE WELD WASHERS FOR ALL DECKING 24 GA. AND THINNER.

8. DO NOT HANG OR ATTACH DUCTWORK, CONDUIT, PIPING, EQUIPMENT, CEILINGS, ETC. FROM METAL DECKING.

9. PRIME AND PAINT ALL FIELD WELDS AFTER INSPECTION WITH A GALVANIZED TOUCH-UP PAINT. (SEE NOTE BELOW)

10. SUBMITTALS: CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING LAYOUT OF DECK, TYPE OF DECK, ALL CONNECTIONS INCLUDING END WELDS, SEAM WELDS, INTERMEDIATE WELDS, AND ALL ACCESSORY MATERIAL SUCH AS CLOSURES, SUMPS FOR DRAINS, ETC.

11. A QUALIFIED TESTING LABORATORY SHALL BE RETAINED TO VISUALLY INSPECT ALL DECK WELDS AND FASTENERS.

THRESHOLD BUILDINGS

1.IF THE BUILDING DEPARTMENT CLASSIFIES THIS PROJECT AS A THRESHOLD BUILDING, A SPECIAL INSPECTOR SHALL BE RETAINED IN ACCORDANCE WITH FLORIDA STATUTES.

2.THE SPECIAL INSPECTOR SHALL BE LICENSED BY THE FLORIDA BOARD OF PROFESSIONAL ENGINEERS AND SHALL STRICTLY FOLLOW THE "STRUCTURAL INSPECTION PLAN", PREPARED BY THIS OFFICE.
3.RESUMES OF THE SPECIAL INSPECTOR AND ANY OF HIS AUTHORIZED REPRESENTATIVES SHALL BE SUBMITTED TO THIS OFFICE FOR REVIEW. PENNONI RESERVES THE RIGHT TO REJECT ANY INSPECTOR THAT DOES NOT MEET OUR QUALIFICATIONS.

DELEGATED ENGINEER

1.WHERE NOTED HEREIN, A LICENSED PROFESSIONAL (DELEGATED) ENGINEER SHALL BE RETAINED TO DESIGN THE PRODUCT OR ASSEMBLY.

2.THE DELEGATED ENGINEER SHALL BE EXPERIENCED IN THE DESIGN OF THE REFERENCED PRODUCT OR ASSEMBLY.

3.THE DELEGATED ENGINEER MUST BE PROVIDED WITH A COPY OF THESE DRAWINGS AND SPECIFICATIONS.

4.IT IS THE DELEGATED ENGINEER'S RESPONSIBILITY TO REVIEW THE ENGINEER OF RECORD'S WRITTEN ENGINEERING REQUIREMENTS AND AUTHORIZATION FOR THE DELEGATED ENGINEERING DOCUMENT TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.

5.THE DELEGATED ENGINEERING DOCUMENT SHALL COMPLY WITH THE WRITTEN ENGINEERING REQUIREMENTS RECEIVED FROM THE ENGINEER OF RECORD. THEY SHALL INCLUDE THE PROJECT IDENTIFICATION AND THE CRITERIA USED AS A BASIS FOR ITS PREPARATION. IF A DELEGATED ENGINEER DETERMINES THERE ARE DETAILS, FEATURES OR UNANTICIPATED PROJECT LIMITS WHICH CONFLICT WITH THE WRITTEN ENGINEERING REQUIREMENTS PROVIDED BY THE ENGINEER OF RECORD, THE DELEGATED ENGINEER SHALL TIMELY CONTACT THE ENGINEER OF RECORD FOR RESOLUTION OF CONFLICTS.

6.THE DELEGATED ENGINEER SHALL FORWARD THE DELEGATED ENGINEERING DOCUMENT TO THE ENGINEER OF RECORD FOR REVIEW. ALL FINAL DELEGATED ENGINEERING DOCUMENTS REQUIRE THE IMPRESSED SEAL AND SIGNATURE OF THE DELEGATED ENGINEER AND INCLUDE:
A)DRAWINGS INTRODUCING ENGINEERING INPUT SUCH AS DEFINING THE CONFIGURATION OR STRUCTURAL CAPACITY OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.
B)CALCULATIONS.

DEFERRED SUBMITTALS BY DELEGATED ENGINEERS

1.IN ACCORDANCE WITH FBC 107.3.4.1, THE FOLLOWING PRE-ENGINEERED SPECIALITY ITEMS FOR PORTIONS OF THE BUILDING WILL NOT BE SUBMITTED AT THE TIME OF BUILDING PERMIT APPLICATION BUT WILL BE DEFERRED UNTIL AFTER THE PERMIT HAS BEEN ISSUED:

A)EXTERIOR NON-LOAD BEARING WALL ENCLOSURES
B)METAL STUD FRAMING

2.THESE ELEMENTS ARE PERFORMANCE-BASED DESIGN. THE CONTRACTOR SHALL CONTRACT FOR THE DESIGN AND CONSTRUCTION OF THESE ELEMENTS DURING THE CONSTRUCTION PHASE. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED AND SIGNED BY A LICENSED FLORIDA DELEGATED PROFESSIONAL ENGINEER PER FLORIDA STATUTES. THEY SHALL BE SUBMITTED FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

EXISTING BUILDINGS

INFORMATION ON THE EXISTING BUILDING, SHOWN ON THESE PLANS, IS OBTAINED FROM EXISTING BUILDING PLANS BY H. JOSEPH DIAZ , SAM CARASTRO ASSOCIATES INC, DATED AUGUST 15, 1968. EXISTING INFORMATION DOES NOT NECESSARILY REFLECT AS-BUILT CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THESE PLANS AND NOTIFY THE ENGINEER OF ANY VARIATION.

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NOT FOR CONSTRUCTION- NOT FOR FINAL PRICING- SUBJECT TO CHANGE

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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RDC◆JPA ARCHITECTURE

STAMP

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	STRUCTURAL GENERAL NOTES
Phase	100% BID DOCUMENTS
Approved:	
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Location	JAMES A. HALEY VA HOSPITAL
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Project Number	VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Building Number	B1
Drawing Number	S0.1

VA FORM 08 - 6231

PROJECT SPECIFICATIONS

I. DESCRIPTION OF WORK

A. SCOPE

1) THE WORK REQUIRED HEREIN CONSISTS OF ALL COMPONENTS AND RELATED ACCESSORIES REQUIRED TO COMPLETE THE WORK AS LOCATED AND DETAILED ON THE DRAWINGS, AND SPECIFIED HEREIN.

2) EXISTING STRUCTURE: ALL INFORMATION ON THE EXISTING STRUCTURE SHOWN ON THESE PLANS IS OBTAINED FROM THE BEST AVAILABLE SOURCES, BUT EXISTING INFORMATION DOES NOT NECESSARILY REFLECT AS-BUILT CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL INFORMATION SHOWN ON THESE PLANS AND NOTIFY THE ENGINEER OF ANY VARIATION. THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS BEFORE FABRICATING MATERIALS, AND INSTALLATION THEREOF.

B. SPECIAL CONDITIONS

1) ALL COSTS RELATING TO TEMPORARY STORAGE AND PROTECTION SHALL BE BORNE BY THE CONTRACTOR. THE CONTRACTOR SHALL RETAIN FULL RESPONSIBILITY FOR ANY DAMAGE OR DETERIORATION CAUSED TO SURROUNDING SURFACES.

2) UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE HIS TEMPORARY STRUCTURES AND SHEDS AND REMOVE ALL DEBRIS AND RUBBISH AND PLACE THE AREA IN A CLEAN AND ORDERLY CONDITION.

3) TEMPORARY TOILET FACILITIES WILL BE PROVIDED BY THE CONTRACTOR. CLEAN BY THE CONTRACTOR.

4) THE OWNER SHALL FURNISH TEMPORARY WATER AND ELECTRICAL SUPPLY POINTS ON THE SITE, WHERE AVAILABLE. THE CONTRACTOR SHALL PROVIDE THE MEANS TO DELIVER THE WATER/ELECTRICAL TO HIS CONSTRUCTION AREA.

5) THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE NECESSARY CLEANING AND REPAIRING OF ADJACENT AREAS RESULTING FROM SAID CONTRACTOR'S OPERATIONS.

6) ALL WORK RELATING TO THE DISRUPTION OF EXISTING SERVICES SHALL BE COORDINATED WITH THE OWNER.

7) ALL PROTECTION AND SAFETY DEVICES TO INCLUDE TEMPORARY SAFETY RAILS SHALL BE PROVIDED BY THE CONTRACTOR AS IT RELATES TO THE SAFE CONDUCT OF HIS WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.

8) THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD MEASUREMENTS PRIOR TO FABRICATION OF MATERIALS.

9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL BLOCKING NECESSARY FOR THE INSTALLATION OF HIS WORK.

10) THE CONTRACTOR SHALL:
- CLEAN UP ALL WASTE MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS AT SUCH LOCATIONS AND FREQUENCIES AS REQUIRED, BUT NOT LESS THAN ONCE A WEEK, OR AS DIRECTED BY THE ENGINEER.
- REPAIR, PATCH, AND TOUCH-UP MARRED SURFACES TO MATCH ADJACENT FINISHES DAMAGED BY HIS OWN OPERATIONS.
- REMOVE FROM THE SITE ALL WASTE MATERIALS, RUBBISH, AND DEBRIS ON A REGULAR BASIS, BUT NOT LESS THAN ONCE A WEEK.
- DO NOT USE OWNER'S DISPOSAL CONTAINERS UNLESS AUTHORIZED IN WRITING.

11) CONSTRUCTION PERSONNEL SHALL CONFINE THEIR ACTIVITIES TO THE DESIGNATED CONSTRUCTION AREAS AND THE ACCESS THERETO.

C. GENERAL CONDITIONS

1) THE AIA A107 GENERAL CONDITIONS (2007) SHALL BE APPLICABLE, EXCEPT AS AMENDED HEREIN.

2) PROVIDE WARRANTIES AS DEFINED IN THE CONTRACT, OR AS LISTED HEREIN.

D. MISCELLANEOUS CRITERIA

1) CONTRACTOR IS RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION TO ENSURE THE SAFETY OF THE PROJECT UNTIL THE WORK IS COMPLETED. THIS INCLUDES, BUT IS NOT LIMITED TO, THE ADDITION OF WHATEVER TEMPORARY BRACING, SHORING, GUYS, OR TIE-DOWNS THAT MAY BE NECESSARY. SUCH MATERIAL SHALL BE REMOVED AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR AFTER COMPLETION OF THE PROJECT. NOTE: TEMPORARY SHORING SHALL BE DESIGNED BY A STRUCTURAL ENGINEER REGISTERED IN FLORIDA.

2) COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH THE EXISTING CONDITIONS.

3) CONTACT ENGINEER WITH ANY QUESTIONS OR DISCREPANCIES FOUND ON DRAWINGS.

4) SUBMIT SHOP DRAWINGS AND/OR PRODUCT DATA FOR REVIEW BY THE ENGINEER ON ALL COMPONENTS AND PRODUCTS SPECIFIED FOR THE PROJECT. CONTRACTOR IS TO SPECIFICALLY IDENTIFY WHERE SUBMITTED REPAIR PRODUCTS ARE TO BE USED. ALLOW ONE WEEK REVIEW TIME AFTER RECEIPT OF SUBMITTALS BY THIS FIRM. ALL SUBMITTALS SHALL BE CHECKED AND SIGNED BY THE GENERAL CONTRACTOR.

5) RESTORE ALL DISTURBED AREAS TO THEIR ORIGINAL CONDITION.

6) A FINAL SET OF AS-BUILT DRAWINGS IS REQUIRED UPON COMPLETION OF THE PROJECT.

II. DEMOLITION

A. REMOVE ALL ITEMS NOTED ON THE DRAWINGS, OR AS REQUIRED TO MAKE THE SPECIFIED REPAIRS.

B. ALL DEMOLISHED MATERIALS TO BE REMOVED FROM THE SITE AND DEPOSITED AT A REGULATED DUMP SITE.

C. PROVIDE ALL SHORING NECESSARY TO PROTECT THE STRUCTURE DURING THE DEMOLITION PROCESS, AND UNTIL THE WORK IS COMPLETED.

D. CONTRACTOR TO MINIMIZE DUST DURING WORK OPERATIONS AND CLEAN ADJACENT AREAS OF DUST FROM PROJECT ON A REGULAR BASIS.

III. CONCRETE REPAIRS

A. DESCRIPTION

1) WORK INCLUDED: PROVIDE CONCRETE REPAIRS INCLUDING FORMWORK AS SPECIFIED HEREIN, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

2) DAMAGED REINFORCING STEEL SHALL BE CLEANED AND COATED AS SPECIFIED BELOW, OR REPLACED (WITH SAME SIZE BAR AND MECHANICAL SPLICES) AS DIRECTED BY THE ENGINEER.

B. QUALITY ASSURANCE

1) USE ADEQUATE NUMBERS OF SKILLED WORKMEN WHO ARE THOROUGHLY TRAINED AND EXPERIENCED IN THE NECESSARY CRAFTS AND WHO ARE COMPLETELY FAMILIAR WITH THE SPECIFIED REQUIREMENTS AND THE METHODS NEEDED FOR PROPER PERFORMANCE OF THE WORK OF THIS SECTION.

2) COMPLY WITH "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI301, AND "CONCRETE REPAIR GUIDE" , ACI 546R-14, EXCEPT AS MODIFIED HEREIN.

3) INSTALL ALL PRODUCTS IN STRICT ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS.

4) SUBMIT PRODUCT DATA SHEETS ON ALL CONCRETE REPAIR PRODUCTS TO INCLUDE APPLICATION LOCATIONS AND MANUFACTURER'S CERTIFICATION OF APPLICATION. (PROVIDE SETS PER GENERAL CONDITIONS.)

5) CONTRACTOR TO PROVIDE MOCK-UP OF THE TYPICAL REPAIR FOR ENGINEER REVIEW BEFORE PROCEEDING WITH THE WORK.

C. SOUNDING AND SAW CUTTING

1) SOUND THE SURFACE TO VERIFY THE EXTENT OF THE AREA TO BE REPAIRED IN ACCORDANCE WITH THE PROCEDURES SPECIFIED HEREIN. CONTRACTOR TO HAVE AVAILABLE (ON-SITE) A PACHOMETER TO LOCATE REINFORCING STEEL IN THE CONCRETE.

2) SAW CUT AROUND THE AREA OF DETERIORATION TO A MINIMUM DEPTH OF 3/4 INCH. DO NOT CUT EMBEDDED REINFORCING UNLESS DIRECTED BY THE ENGINEER.

3) WHERE POSSIBLE, THE CONCRETE AREAS REMOVED SHALL BE RECTANGULAR IN SHAPE.

D. CONCRETE REMOVAL

1) REMOVE ALL DELAMINATED, UNSOUND, OR OTHERWISE UNSUITABLE CONCRETE. CONTRACTOR TO HAVE AN ADEQUATE SUPPLY OF PHENOPHTALEIN ON-SITE TO CHECK FOR CARBONATION DURING THE EXCAVATION PROCESS.

2) IF THE DETERIORATION OCCURS OVER REINFORCING BARS, REMOVE ALL OF THE CONCRETE AROUND EACH BAR TO ALLOW A MINIMUM OF 3/4 INCH ALL AROUND THE BAR WITH THE EXCEPTION OF VERTICAL COLUMN BARS. DO NOT REMOVE CONCRETE BEHIND VERTICAL COLUMN BARS (TOWARD THE CENTER OF THE COLUMN) UNLESS DIRECTED TO DO SO BY THE ENGINEER. DO NOT CUT ANY REINFORCING BARS WITHOUT THE APPROVAL OF THE ENGINEER.

3) AVOID FRACTURING OF THE AGGREGATE AT THE SURFACE OF THE EXCAVATION. SOME "SOUND" CONCRETE MAY HAVE TO BE REMOVED TO ADEQUATELY EXPOSE AND CLEAN THE REINFORCING FOR ITS FULL LENGTH.

4) MAXIMUM CARE IS TO BE TAKEN TO NOT DAMAGE ADJACENT CONCRETE THAT IS TO REMAIN.

5) AVOID DAMAGING THE BOND OF THE BARS THAT EXTEND INTO THE ADJACENT EXISTING CONCRETE BY MINIMIZING VIBRATION OF THOSE BARS DURING THE CONCRETE REMOVAL PROCESS.

6) CONTRACTOR TO PROVIDE PLYWOOD COVERS OVER EXCAVATED AREAS AT ALL DECK SURFACES UNTIL REPAIRS ARE COMPLETE. COVERS TO BE SECURED TO THE DECK SURFACE AND APPROPRIATELY MARKED PER SAFETY REQUIREMENTS.

E. FORMS

1) DESIGN, ERECT, SUPPORT, BRACE, AND MAINTAIN FORMWORK SO IT WILL SAFELY SUPPORT VERTICAL AND LATERAL LOADS WHICH MIGHT BE APPLIED UNTIL SUCH LOADS CAN BE SUPPORTED SAFELY BY THE REPAIRED CONCRETE STRUCTURE.

2) CONSTRUCT FORMS TO THE EXACT SIZES SHAPES, LINES, AND DIMENSIONS SHOWN, AND AS REQUIRED TO OBTAIN ACCURATE ALIGNMENT, LOCATION, GRADES, AND LEVEL AND PLUMB WORK IN THE FINISHED STRUCTURE.

F. REINFORCING STEEL (WHERE REPLACEMENT REQUIRED)

1) PROVIDE REPLACEMENT REINFORCING STEEL AS DIRECTED BY THE ENGINEER WITH ASTM A615, GRADE 60 REINFORCING BARS, AS NOTED.

2) PROVIDE MECHANICAL REBAR SPLICES BY BAR SPLICE PRODUCTS, INC. (OR EQUAL) AS DIRECTED BY THE ENGINEER (OR WELD WITH FULL BUTT OR VEE WELD PER AWS D1.4 (PREHEAT) WITH E60XX OR E70XX LOW HYDROGEN ELECTRODES. CONTRACTOR TO PROVIDE WELDER CERTIFICATION BEFORE PROCEEDING WITH THE WORK.)

3) GENERAL GUIDELINES: REPLACE OR SUPPLEMENT ANY EXISTING REINFORCING BARS WITH A LOSS OF AREA IN EXCESS OF 15% WITH NEW REINFORCING BARS. LAP IN ACCORDANCE WITH ACI REQUIREMENTS. INCREASE LAPS AS REQUIRED FOR EPOXY COATED BARS. BARS WITH AN ABSENCE OF DEFORMATIONS ARE CONSIDERED DEFICIENT. ANY REINFORCING THAT IN THE ENGINEER'S JUDGEMENT IS INADEQUATE DUE TO DETERIORATION, DAMAGED DURING THE REPAIR PROCESS, OR IS INADEQUATE FOR ANY OTHER REASON SHALL BE REPLACED. INSTALL ALL OTHER REINFORCING AS SHOWN ON THE DETAILS.

4) RE-TIE ALL EXPOSED BARS TO EXPOSED CROSSING BARS AT CONCRETE REPAIRS (100%).

5) RE-TIE EXPOSED BARS TO IMBEDDED CROSSING BARS (30%) UNLESS OTHERWISE DIRECTED BY ENGINEER.

G. SURFACE PREPARATION

1) PREPARE CONCRETE AND REINFORCING STEEL SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS, AND ICRI GUIDELINE NO. 10.1R-2008

2) WIRE BRUSH OR MECHANICALLY CHIP SUBJECT AREAS OF ALL LOOSE MATERIALS.

3) CLEAN AREA OF ALL DUST, LATENCE, OR OTHER SURFACE CONTAMINANTS.

4) ALL EXPOSED STEEL REINFORCEMENT (IF ANY) MUST BE CLEANED (SAND BLASTED) AND EXPOSED 100% OF ITS CIRCUMFERENCE. ONCE CLEANED, AND PRIOR TO THE REPAIR APPLICATION, THE EXPOSED METAL SHOULD BE COATED WITH AN ANTI-CORROSIVE AGENT WHERE BARS HAVE LESS THAN ONE (1) INCH OF COVER, AND NOT PROTECTED BY A WATERPROOF MEMBRANE.

5) DAMPEN CONCRETE SURFACE TO BE REPAIRED WITH CLEAN WATER (SSD), BUT MAKE SURE THERE IS NO STANDING WATER.

6) ALL CONCRETE SURFACES SHOULD BE PRIMED WITH A SLURRY (FROM SELECTED REPAIR MATERIAL), AND SCRUBBED INTO THE SUBSTRATE. (REFER TO MANUFACTURER'S SPECIFICATIONS.)

7) DO NOT FEATHER EDGE REPAIR MATERIALS. SAW CUT AND CHIP BACK REPAIR AREA TO INSURE A MINIMUM ½" MATRIAL THICKNESS AT EDGE OF REPAIR AREA.

H. MATERIAL SELECTION

1) SELECT THE APPROPRIATE PATCH MATERIAL AND METHOD BASED ON THE CRITERIA ESTABLISHED IN THE DETAILS AND/OR SPECIFICATIONS. SUBMIT FOR ENGINEER REVIEW.

2) PROVIDE 1/4" TO 1/2" AGGREGATE IN THE REPAIR AREAS WHEN THE DEPTH OF REPAIR EXCEEDS ONE (1) INCH. TYPE, SIZE, AND QUANTITY OF AGGREGATE SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

3) FORMED AND POURED PATCHES ARE PREFERRED BUT IN SOME INSTANCES TROWELED PATCHES MAY BE ADVISABLE FOR SPECIFIC CONDITIONS. CONFER WITH THE ENGINEER.

4) INSTALL ALL MATERIALS IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CONCRETE TO CONCRETE BONDING COMPOUNDS ARE TO BE USED ONLY WHERE SPECIFICALLY SHOWN ON THE DETAILS OR APPROVED BY THE ENGINEER.

I. SUPPLEMENTAL ANCHORS

1) INSTALL STAINLESS STEEL ANCHORS AND RODS AS SHOWN ON DETAILS OR AS DIRECTED BY THE ENGINEER. KEEP SUBSTRATE SURFACE CLEAN AND FREE OF EPOXY. THOROUGHLY CLEAN OFF ALL EPOXY RESIDUE FROM THE SUBSTRATE. AVOID PLACING THE ANCHORS OR RODS IN CONTACT WITH THE REINFORCING STEEL WITHIN THE EXCAVATION. IF CONTACT IS MADE, COAT THE COMMON SURFACES WITH STO CR246.

J. PLACING CONCRETE REPAIR MATERIALS:

1) INSTALL REPAIR MATERIALS IN ACCORDANCE WITH ICRI GUIDELINE #03731, AND THE MANUFACTURER'S REQUIREMENTS IN A CONTINUOUS OPERATION, WITHIN LIMITS OF THE REPAIR AREAS, UNTIL THE PLACING IS COMPLETED.

2) BRING SURFACES TO THE CORRECT LEVEL WITH A STRAIGHT EDGE, AND THEN STRIKE OFF.

3) USE FLOATS TO SMOOTH THE SURFACE, LEAVING THE SURFACE FREE FROM BUMPS AND HOLLOWS.

4) DO NOT SPRINKLE WATER ON THE PLASTIC SURFACE.

5) CURE REPAIRED AREA BY COVERING WITH VISQUEEN SHEETING, OR PER REQUIREMENTS FROM THE MANUFACTURER.

K. STRUCTURAL CRACK REPAIRS

1) CRACK INJECTION – AS DIRECTED BY ENGINEER.

2) ROUT AND SEAL – 1/4" X 1/2" DEEP (±) ROUTER CUT, CLEAN WITH COMPRESSED AIR, REPAIR BY GRAVITY FEED WITH EPOXY, EPOXY GEL, SILICONE SEALANT, OR URETHANE SEALANT), AS DIRECTED BY ENGINEER.

L. GALVANIC ANODES

1) MATERIALS – GALVASHIELD-XP/XPT (AND CC ANODES WHERE SPECIFIED) AS DISTRIBUTED BY VECTOR CORROSION TECHNOLOGIES, WINNIPEG, CANADA. (1-204-489-6300)

2) INSTALLATION (XP/ XPT ANODES)- THE CONCRETE SHOULD BE REMOVED FROM AROUND AND BEHIND THE STEEL REINFORCEMENT, IN ACCORDANCE WITH GOOD CONCRETE REPAIR PRACTICE. THE CORR-STOP ANODE UNIT SHOULD BE POSITIONED AND ATTACHED TO CLEAN STEEL REINFORCEMENT USING THE TIE WIRES AND TIGHTENED USING A SUITABLE WIRE TWISTING TOOL SO NO FREE MOVEMENT IS POSSIBLE, THUS ASSURING GOOD ELECTRICAL CONTINUITY. THE CONTINUITY BETWEEN THE ANODE TIE WIRES AND THE CLEANED REINFORCING BAR SHOULD BE CONFIRMED AFTER INSTALLATION WITH AN APPROPRIATE METER. ANODE LOCATION AND SPACING SHALL BE AS SPECIFIED BY THE ENGINEER. WITH THE CORR-STOP ANODE(S) NOW IN POSITION, THE REPAIR CAN BE COMPLETED USING THE APPROPRIATE REPAIR MATERIALS. NOTE: (GALVASHIELD-XP ANODES SHOULD BE USED IN CONJUNCTION WITH SUITABLE CEMENTIOUS BASED, NON-POLYMER MODIFIED REPAIR MORTARS OR CONCRETE.)

3) CONTINUITY CHECKS – (REFER TO DETAIL ON PLANS.) CONTRACTOR TO PROVIDE MULTIMETER NECESSARY FOR CONTINUITY CHECKS.

IV. EPOXY INJECTION GENERAL REQUIREMENTS

A. MATERIALS

1) ALL MATERIALS SHALL BE DELIVERED TO THE SITE IN UNDAMAGED, UNOPENED CONTAINERS BEARING THE MANUFACTURER'S ORIGINAL LABELS. MATERIALS SHALL BE NON-FLAMMABLE AND NON-TOXIC

2) CAP SEAL – SIKADUR 31 BY SIKA CORPORATION, OR APPROVED EQUAL (AT EPOXY FILLED CRACKS).

3) WHERE SPECIFIED BY THE ENGINEER, THE SEALING MATERIALS SHALL BE A POLYURETHANE GROUT AND ACCELERATOR SYSTEM MARKETED UNDER THE NAME OF SIKAFIX HH BY SIKA CORPORATION, OR APPROVED EQUAL. .

4) WHERE SPECIFIED BY THE ENGINEER, THE EPOXY MATERIALS SHALL BE SIKADUR 35, SIKADUR 52, OR SIKADUR INJECTION GEL BY SIKA CORPORATION (OR APPROVED EQUAL).

B. INSTALLING PORTS

1) CLEAN CONCRETE SURFACE AT CRACKS AS REQUIRED FOR PROPER INSTALLATION OF THE CAP SEAL.

2) PROVIDE SURFACE MOUNT OR SOCKET PORTS AS REQUIRED BY THE PROJECT CONDITIONS. SPACING OF INJECTION PORTS SUBJECT TO THE WIDTH OF THE CRACKS, BUT NO LESS THAN THICKNESS OF CONCRETE TO BE INJECTED.

3) INSTALL INJECTION PORTS COMPATIBLE WITH THE INJECTION MATERIALS.

4) FLUSH CRACKS AS REQUIRED BY THE MATERIALS MANUFACTURER.

C. STORAGE, MIXING AND HANDLING

1) STORAGE, MIXING AND HANDLING OF THE CHEMICAL MATERIALS AND THE ACCELERATOR, SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE MANUFACTURER AND ALL APPLICABLE SAFETY CODES, AND SHALL BE PERFORMED IN SUCH A MANNER AS TO MINIMIZE HAZARD TO PERSONNEL.

D. PUMPS

1) HAND OPERATED, AIR DRIVEN OR ELECTRICAL POSITIVE DISPLACEMENT PUMPS CAN BE USED. ONE TO FIVE GALLONS PER MINUTE DELIVERY IS NORMALLY SATISFACTORY. PUMPS MUST BE FLUSHED WITH WASHING AGENT FOR AT LEAST TWO MINUTES BEFORE AND AFTER THE GROUTING OPERATION.

E. QUALITY CONTROL

1) CONTRACTOR TO PROVIDE MOCK-UP OF TYPICAL CRACK INJECTION FOR ENGINEER REVIEW BEFORE PROCEEDING WITH THE WORK.

2) EPOXY INJECTION PROCEDURES SUBJECT TO ICRI GUIDELINE #03734.

3) CORE SAMPLES SHALL BE TAKEN AS NOTED BELOW.

F. PROCEDURES

1) INSTALL CAP SEAL (1" WIDE X 3/16" THICK, PROX.) AT EPOXY FILLED CRACKS.

2) INJECT SPECIFIED MATERIALS PER MANUFACTURER'S REQUIREMENTS UNDER SUFFICIENT PRESSURE AND FOR THE LENGTH OF TIME NECESSARY TO FILL ALL VOIDS.

3) CORES (2" IN DIAMETER) SHALL BE TAKEN TO CONFIRM THE RESULTS OF THE INJECTION (PER LOCATIONS DESIGNATED BY ENGINEER, IF REQUIRED).
   a) THREE (3) PER FIRST 100 LF.
   b) ONE PER 150 LF, THEREAFTER.
   c) PATCH CORE HOLES WITH REPAIR GROUT.

4) PATCH CORE HOLES WITH REPAIR GROUT. CRACKS FOUND NOT TO BE FULLY INJECTED (PER CORE SAMPLES) SHALL BE RE-INJECTED, AND SUBSEQUENTLY RE-CORED.

5) REMOVE INJECTION PORTS AND EXCESS RESIN ON SURFACE OF CONCRETE (BY GRINDING).

G. PAYMENT

1) THE OWNER WILL PAY THE CONTRACTOR A UNIT PRICE FOR EACH LINEAL FOOT OF CRACK INJECTED OR GRAVITY FED, AS APPLICABLE.

2) THE OWNER WILL PAY THE CONTRACTOR A UNIT PRICE FOR EACH CORE SAMPLE TAKEN, AS REQUESTED BY THE ENGINEER. THE UNIT PRICES SHALL INCLUDE THE COST OF PATCHING OF CORE HOLES.

V. MISCELLANEOUS

A. FIELD MEASUREMENT/SUBMITTALS

1) THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS IN THE FIELD PRIOR TO SUBMITTAL OF SHOP DRAWINGS.

2) ALL FIELD OBTAINED DIMENSIONS SHALL BE REFLECTED IN THE SHOP DRAWINGS WHEN SUBMITTED TO THE ENGINEER FOR REVIEW.

3) ACCURACY OF FIELD DIMENSIONS SHALL BE THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.

B. AS-BUILT DRAWINGS

1) THE CONTRACTOR SHALL PROVIDE A SET OF AS-BUILT DRAWINGS REFLECTING ALL CHANGES TO THE DESIGN DOCUMENTS UPON COMPLETION OF THE PROJECT.

NOT FOR CONSTRUCTION- NOT FOR FINAL PRICING- SUBJECT TO CHANGE

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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STAMP

CHAKRADHAR GONDI LICENSE No. 93753 STATE OF FLORIDA PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	STRUCTURAL SPECIFICATIONS
Phase	100% BID DOCUMENTS
Approved:	
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Location	JAMES A. HALEY VA HOSPITAL
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Drawing Number	S0.2

VA FORM 08 - 6231

STRUCTURAL INSPECTION PLAN

PREFACE

1. THE THRESHOLD INSPECTION SERVICES AS DESCRIBED HEREIN SHALL BE PAID FOR BY THE OWNER, IN ACCORDANCE WITH FLORIDA STATUTES.

2. THE SPECIAL INSPECTOR (S.I.) SHALL BE A REGISTERED STRUCTURAL ENGINEER, LICENSED BY THE FLORIDA BOARD OF ENGINEERS TO PERFORM THRESHOLD INSPECTIONS AND INCLUDED ON THE LIST OF APPROVED S.I.'S.

3. THIS INSPECTION PLAN IS INTENDED AS A MINIMUM GUIDELINE FOR THE S.I. AND NOT INTENDED TO SURROGATE THE BUILDING OFFICIAL'S OR THE ENGINEER OF RECORD'S REQUIREMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE S.I. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE STRUCTURAL CONSTRUCTION DOCUMENTS. THE S.I. DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL NOR THE QUALITY CONTROL PERSONNEL OF THE CONTRACTOR.

4. IN ADDITION TO THE REQUIREMENTS OF THE BOARD OF ENGINEERS, THE S.I. SHALL HAVE A MINIMUM OF FIVE YEARS EXPERIENCE IN INSPECTION AND ACTUAL DESIGN OF SIMILAR STRUCTURES. THE S.I.'S AUTHORIZED REPRESENTATIVES SHALL HAVE A MINIMUM OF FIVE (5) YEARS EXPERIENCE IN INSPECTION OF SIMILAR STRUCTURES AND SHALL ALSO MEET THE REQUIREMENTS OF THE BOARD OF ENGINEERS.

5. THE AUTHORIZED REPRESENTATIVE MUST DEDICATE HIS TIME ON-SITE TO THE INSPECTION REQUIREMENTS OF THIS PLAN. HE SHALL NOT BE REQUIRED TO PERFORM OTHER WORK ON THE PROJECT, INCLUDING MATERIALS TESTING SERVICES.

6. PRIOR TO WORK, THE S.I. SHALL BECOME FAMILIAR WITH THE SPECIFIC STRUCTURAL COMPONENTS THAT ARE TO BE INSPECTED AND DEVELOP A THOROUGH KNOWLEDGE OF THE CONTRACT DOCUMENTS.

7. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE S.I. IN PERFORMING HIS INSPECTION DUTIES AS SPECIFIED BELOW. THE S.I. SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THIS PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF TWENTY-FOUR (24) HOUR NOTICE TO THE S.I. FOR ALL INSPECTIONS.

8. NEITHER THE OWNER NOR THE S.I. HAS THE AUTHORITY TO REDUCE OR CHANGE THE SCOPE AS OUTLINED IN THIS PLAN.

9. PENNONI ASSOCIATES INC. HAS THE RIGHT TO AMEND OR MODIFY THIS DOCUMENT AT ANY TIME.

10. THE OWNER SHALL ARRANGE FOR ALL NECESSARY CONTRACT DOCUMENTS, INCLUDING TWO (2) COMPLETE SETS OF ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR THE PROJECT, INCLUDING ALL DRAWINGS AND SPECIFICATIONS, THE GEOTECHNICAL REPORT AND MATERIALS TESTING REPORTS, TO BE FURNISHED TO THE SPECIAL INSPECTOR DURING THE PROGRESS OF THE WORK IN A TIMELY MANNER. PROVIDE THE SPECIAL INSPECTOR WITH TWO COMPLETE COPIES OF ALL STRUCTURAL CHANGES, REVISIONS, ADDENDA, ETC.

PROCEDURES AND SCHEDULE

1. THE S.I., OR HIS AUTHORIZED REPRESENTATIVE, SHALL PERFORM SITE VISITS AT A FREQUENCY DETERMINED BY THE ENGINEER-OF-RECORD TO MAINTAIN INSPECTIONS ARE BEING PERFORMED IN ACCORDANCE WITH THIS PLAN.

2. THE CONTRACTOR SHALL ADVISE THE S.I. IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE OBSERVATION INSPECTION.

3. THE S.I. SHALL COOPERATE WITH THE CONTRACTOR AND SHALL REFRAIN FROM DIRECTING WORK, AS THIS IS EXPRESSLY NOT PART OF THE S.I. FUNCTION.

OBLIGATIONS

THE S.I. IS OBLIGATED TO BOTH OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN SUBSTANTIVE ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS, WHICH INCLUDE THE PERMITTED DRAWINGS AND SPECIFICATIONS, ADDENDA, AND CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY PENNONI ASSOCIATES INC.

IT IS THE OBLIGATION OF THE S.I. TO NOTIFY THE CONTRACTOR, BUILDING OFFICIAL, ARCHITECT/ENGINEER OF RECORD, AND OWNER OF THE FOLLOWING:

1. OBSERVE THE CONSTRUCTION OF THE PRIMARY STRUCTURAL COMPONENTS AS OUTLINED IN THIS PLAN AND REPORT THAT THESE COMPONENTS ARE BEING BUILT IN GENERAL CONFORMANCE TO THE CONTRACT DOCUMENTS.
2. THE USE OF MATERIALS OR WORKMANSHIP WHICH DO NOT CONFORM TO THE STRUCTURAL CONSTRUCTION DOCUMENTS OR WHICH WILL CAUSE IMPROPER CONSTRUCTION WHICH IS NOT ACCEPTABLE.

3. WORK WHICH IS NOT BEING DONE IN ACCORDANCE WITH THE APPROVED STRUCTURAL CONSTRUCTION DOCUMENTS. ITEMS TO BE INSPECTED INCLUDE, BUT ARE NOT LIMITED TO, THOSE LISTED HEREIN.

4. THE RECOMMENDED REMOVAL OF FAULTY CONSTRUCTION OR OF CONSTRUCTION PERFORMED WITHOUT INSPECTION AND NOT CAPABLE OF BEING INSPECTED IN PLACE.

5. THE REQUEST FOR INTERPRETATIONS FROM THE ARCHITECT/ ENGINEER OF RECORD.

6. THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE S.I., IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

CONSTRUCTION OBSERVATION

THE S.I. SHALL VISIT THE SITE AS INDICATED UNDER "PROCEDURES & SCHEDULE" ABOVE AND AT INTERVALS APPROPRIATE TO THE STAGE OF CONSTRUCTION IN ORDER TO OBSERVE THE PROGRESS AND QUALITY OF THE WORK COMPLETED BY THE CONTRACTOR. SUCH VISITS AND OBSERVATION ARE NOT INTENDED TO BE AN EXHAUSTIVE CHECK OR A DETAILED INSPECTION OF THE CONTRACTOR'S WORK BUT RATHER TO ALLOW THE S.I., AS AN EXPERIENCED PROFESSIONAL, TO BECOME GENERALLY FAMILIAR WITH THE WORK IN PROGRESS AND TO DETERMINE, IN GENERAL, IF THE WORK IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONSTRUCTION DOCUMENTS.

THE S.I. SHALL NOT BE RESPONSIBLE FOR INSPECTION OF ANY BUILDING COMPONENT THAT IS NOT SHOWN OR SPECIFIED ON THE STRUCTURAL CONTRACT DOCUMENTS.

THE S.I. SHALL NOT SUPERVISE, DIRECT OR HAVE CONTROL OVER THE CONTRACTOR'S WORK NOR HAVE ANY RESPONSIBILITY FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES SELECTED BY THE CONTRACTOR NOR FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR JOBSITE SAFETY PROGRAMS IN CONNECTION WITH THE WORK. THESE RIGHTS AND RESPONSIBILITIES ARE SOLELY THOSE OF THE CONTRACTOR.

THE S.I. SHALL NOT BE RESPONSIBLE FOR ANY ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR OR ANY ENTITY PERFORMING ANY PORTIONS OF THE WORK, OR ANY AGENTS OR EMPLOYEES OF ANY OF THEM. THE S.I. DOES NOT GUARANTEE THE PERFORMANCE OF THE CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR THE CONTRACTOR'S FAILURE TO PERFORM ITS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS OR ANY APPLICABLE LAWS, CODES, RULES OR REGULATIONS.

FIELD REPORTS

THE S.I. SHALL PROVIDE WRITTEN FIELD REPORT TO THE OWNER, CONTRACTOR, ARCHITECT, BUILDING OFFICIAL, AND PENNONI ASSOCIATES INC. AFTER EACH SITE INSPECTION. REPORTS SHALL BE SIGNED/SEALED BY THE S.I. AND SHALL CONTAIN THE FOLLOWING:

1. KEY PEOPLE PRESENT AT SITE
2. REPORT NUMBER
3. PROJECT NAME, DATE, CONTRACTOR, PROJECT LOCATION
4. NAME OF SPECIAL INSPECTOR & OF S.I'S REPRESENTATIVE
5. PERMIT NUMBER
6. WEATHER/TEMPERATURE
7. RECORD PROGRESS/WORKING CONDITIONS
8. OBSERVATIONS AND RECOMMENDATIONS GIVEN TO THE CONTRACTOR
9. DEVIATIONS FROM THE CONTRACT DOCUMENTS, WITH REASONS AND PROBLEMS ENCOUNTERED AND RECOMMENDED SOLUTIONS
10. TYPE/LOCATION OF AREA INSPECTED
11. PRESENCE AND ACTIVITY OF TESTING AGENCY
12. IDENTIFY CORRECTIONS TO DEFICIENCIES IN PREVIOUS REPORTS
13. IF NO PROBLEMS WERE DISCOVERED IN A SPECIFIC AREA, WRITE "NO PROBLEMS FOUND"

NON-CONFORMANCE LOG

S.I. SHALL KEEP A LOG OF ALL DEFICIENCIES AND REVIEW IT ON A DAILY BASIS WITH CONTRACTOR, UPDATING AS CORRECTIONS ARE COMPLETED. THE S.I. SHALL ISSUE A NON-COMPLIANCE NOTICE TO THE CONTRACTOR FOR ANY ITEMS THAT ARE NOT CORRECTED IN A TIMELY MANNER. THE S.I. SHALL NOT ISSUE "CERTIFICATION LETTER" UNTIL ALL NON-CONFORMANCE ITEMS HAVE BEEN RESOLVED AND CLOSED.

INSPECTION GUIDELINES

THE FOLLOWING IS GENERAL INSPECTION GUIDELINES OUTLINED AS MINIMUM REQUIREMENTS NECESSARY TO CONFIRM THAT THE WORK COMPLIES WITH THE CONTRACT DOCUMENTS AS PERFORMED BY THE SPECIAL INSPECTOR.

1. COMPLIANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS.

2. VERIFY SUBMITTALS HAVE BEEN PROVIDED AND ARE IN COMPLIANCE WITH ALL PROJECT SPECIFICATIONS.

3. REVIEW MOCK-UPS TO VERIFY THEY ARE IN COMPLIANCE WITH PROJECT SPECIFICATIONS FOR TYPICAL CONCRETE REPAIR, EPOXY INJECTION AND/OR STRENGTHENING AS SPECIFIED IN THE REPAIR DRAWINGS.

4. EXCAVATION/SUBSURFACE PREPARATION/PER PLAN SPECIFICATIONS.

5. PREPARATION OF REPAIR MATERIAL.

6. CLEAN FORMS.

7. PLACEMENT AND SIZE OF WELDED WIRE FABRIC/FIBROUS REINFORCING/ANCHOR BOLTS/REBAR/DOWELS – GRADE OF STEEL, LAP SPLICE, EMBEDMENT, OR ANODES.

8. SURFACE PREPARATION, REBAR CLEANING AND REBAR COATING CONCRETE COVER.

9. MOISTURE PROTECTION (DE-WATERING)

10. CONFIRMATION THAT CORRECT CONCRETE REPAIR MATERIALS ARE BEING USED.

11. REFER TO REINFORCED CONCRETE SECTION FOR ADDITIONAL REQUIREMENTS INCLUDING CONCRETE PLACEMENT

REINFORCED CONCRETE

1. GENERAL
   A. COMPLIANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS

2. REBAR
   A. CONDITION – DAMAGE/EXCESSIVE RUST
   B. SIZE/GRADE/BENDING/LENGTH/QUANTITY/CONFIGURATION
   C. PLACEMENT AND CLEARANCES
   D. SUFFICIENT WIRE TIES
   E. LENGTH AND SPLICES/LAPS/HOOKED BARS/EMBEDMENTS
   F. CLEAN BEFORE POUR – FREE OF RUST OR OTHER COATING THAT MAY PREVENT CONCRETE BOND TO REBAR
   G. ADDITIONAL REINFORCEMENT AROUND OPENINGS

3. EMBEDDED ITEMS
   A. ANCHOR BOLTS, BOLT CLUSTERS, BEARING PLATES, WELDED PLATES – IN PLACE AND SECURED
   B. PIPE SLEEVES
   C. FRAMES
   D. INSERTS
   E. INTERFERENCE WITH REBAR
   F. EDGE DISTANCE

4. PLACEMENT/FINISHING OPERATIONS
   A. GENERAL MONITOR OF CONCRETE POUR
   B. CHECK CONCRETE TRUCK TICKETS: CONCRETE MIX, MIX NUMBER, PLACEMENT, BATCH TIME, ETC.
   C. INDEPENDENT TESTING LAB TAKING CYLINDERS FOR TESTING
   D. SLUMP: WATER ADDED AT JOB SITE?
   E. GENERAL CONFORMANCE OF FORMWORK PER SHOP DRAWINGS
   F. WET FORMWORK AND REINFORCING
   G. INTERNAL VIBRATORS/CONSOLIDATION
   H. CONSTRUCTION AND CONTRACTION JOINTS – PRE-APPROVED
   I. CURING METHOD
   J. MAXIMUM VERTICAL DROP HEIGHT
   K. CLEAN FORMS AND EQUIPMENT PRIOR TO PLACEMENT
   L. DISRUPTION OF REBAR
   M. HONEY COMBING/VOIDS/REPAIR
   N. PROPERLY SPACED CONDUIT IN SLAB TO ENSURE INTEGRITY OF SLAB

STRUCTURAL STEEL

1. COMPLIANCE WITH STRUCTURAL CONTRACT DOCUMENTS
2. SIZE AND LOCATION OF ALL STEEL COMPONENTS/QUALITY/QUANTITY/STEEL GRADE/FINISHES/STRAIGHTNESS & CAMBER
3. PLUMBNESS/ALIGNMENT/CONFORMANCE TO ERECTION PLAN
4. CONNECTIONS – WELDED AND BOLTED – TYPE AND SIZE/COLUMN BASES – LEVELNESS/ GROUT
5. BOLT TIGHTENING/CALIBRATED IMPACT WRENCH
6. UNAUTHORIZED FIELD MODIFICATIONS

CERTIFICATION UPON COMPLETION OF PROJECT

UPON COMPLETION OF THE PROJECT, AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE S.I. SHALL HAVE PERFORMED HIS DUTIES PROPERLY TO THE EXTENT THAT HE SHALL FILE A SIGNED AND SEALED STATEMENT WITH THE BUILDING OFFICIAL, ARCHITECT, ENGINEER, AND GENERAL CONTRACTOR IN THE FOLLOWING FORM:

"TO THE BEST OF MY KNOWLEDGE AND BELIEF, CONSTRUCTION OF ALL STRUCTURAL LOAD BEARING COMPONENTS COMPLIES WITH PERMITTED DOCUMENTS AND THE SHORING AND RESHORING CONFORMS WITH THE SHORING AND RESHORING PLANS SUBMITTED TO THE ENFORCING AGENCY".

NOT FOR CONSTRUCTION – NOT FOR FINAL PRICING – SUBJECT TO CHANGE

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Pennoni Project No. JPOEC22001

ARCHITECT/ENGINEER OF RECORD

RDC◆JPA ARCHITECTURE

STAMP

CHAKRADHAR GONDI LICENSE No. 93753 STATE OF FLORIDA PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	STRUCTURAL SPECIFICATIONS
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Approved:	
Location	JAMES A. HALEY VA HOSPITAL
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Drawing Number	S0.3

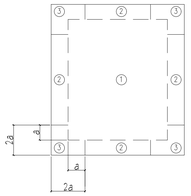
VA FORM 08 - 6231

GROSS ULTIMATE WIND LOADS MAIN ROOF
ROOFING MATERIALS

COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psf)	12.2	12.2	12.2
SUCTION (psf)	-107.0	-168.0	-229.0

NET ULTIMATE WIND LOADS MAIN ROOF
JOISTS OR TRUSSES

COMPONENTS AND CLADDING	ROOF ZONE		
	1	2	3
PRESSURE (psf)	12.2	12.2	12.2
SUCTION (psf)	-84.2	-136.0	-188.0



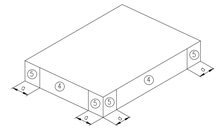
FLAT ROOF $(\emptyset \leq 7^\circ)$ $h > 60$ FT.

COMPONENT AND CLADDING LOADING DIAGRAMS

1. a = 6'-0"
2. THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC.) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE TABLES. IN ADDITION, ALL AREAS OF EXTERIOR GLAZING MUST BE CERTIFIED FOR MISSILE IMPACT OR PROTECTED BY WIND-BORNE DEBRIS BY A SCREEN BARRIER.
3. TO CONVERT THE (ASCE 7-22) ULTIMATE WIND PRESSURES IN THE TABLES ABOVE TO (ASD) WIND PRESSURES, MULTIPLY EACH VALUE BY 0.6.

ULTIMATE WIND PRESSURES (PSF)
EXTERIOR DOORS, WINDOWS, WALLS

EFFECTIVE AREA (ft²)	ZONE 4		ZONE 5	
	PRESSURE	SUCTION	PRESSURE	SUCTION
1 TO 20	73.2	-73.2	73.2	-134.0
21 TO 50	72.9	-73.0	72.9	-133.0
51 TO 100	67.3	-69.2	67.3	-118.0
101 TO 150	62.9	-66.3	62.9	-107.0
151 TO 250	60.4	-64.7	60.4	-100.0
251 TO 500	57.2	-62.5	57.2	-91.5
501 + ABOVE	52.8	-59.6	52.8	-79.9



DOORS, WINDOWS AND WALLS

NOT FOR CONSTRUCTION— NOT FOR FINAL PRICING— SUBJECT TO CHANGE

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Pennoni Project No. JPOEC22001

ARCHITECT/ENGINEER OF RECORD

RDC◆JPA ARCHITECTURE

STAMP

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: WIND LOADS

Phase: 100% BID DOCUMENTS

Approved:

Project Title: RESTORATION OF BUILDING 1 ENVELOPE

Location: JAMES A. HALEY VA HOSPITAL

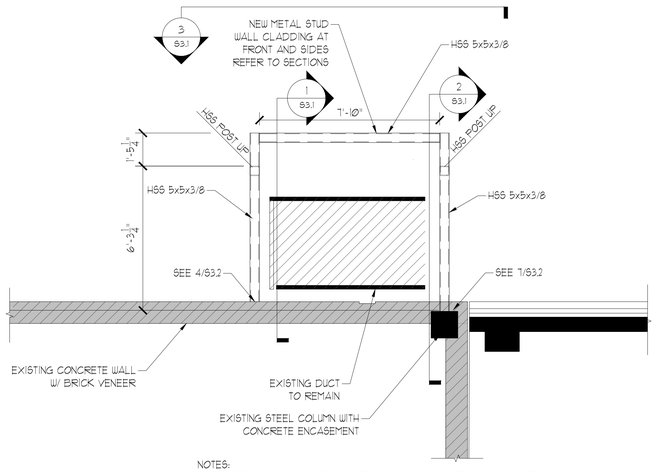
Issue Date: 1/31/2025 | Checked: C.G. | Drawn: GAP

Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00

Building Number: B1

Drawing Number: S0.4

VA FORM 08 - 6231



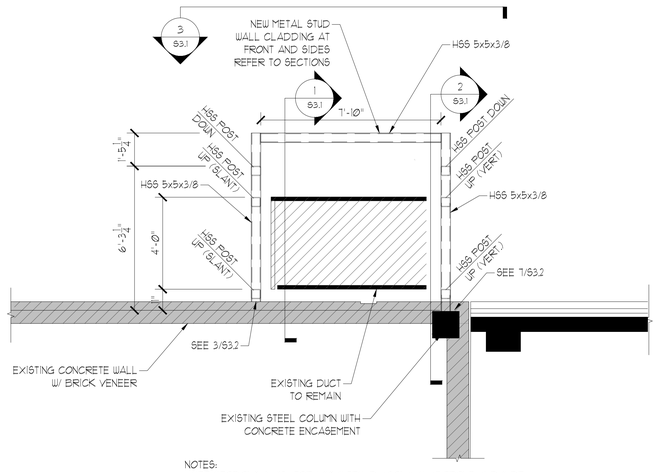
NOTES:
1. SEE SECTIONS IN S3.1 FOR HSS SIZES. DIAGONALS AT FRONT AND SIDE ELEVATION ARE NOT SHOWN FOR CLARITY, REFER TO SECTIONS IN S3.1

2. HSS POST = HSS 5x5x3/8 TYPICAL, SEE S3.1

WEST DUCT TOWER GROUND FLOOR FRAMING PLAN (T.O.S. 47'-3 5/8")

1

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



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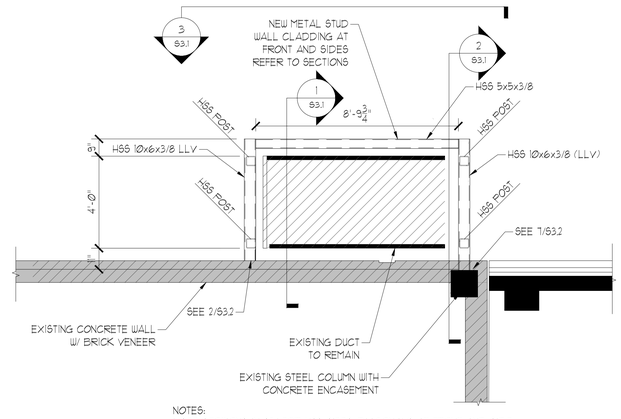
1. SEE SECTIONS IN S3.1 FOR HSS SIZES. DIAGONALS AT FRONT AND SIDE ELEVATION ARE NOT SHOWN FOR CLARITY, REFER TO SECTIONS IN S3.1

2. HSS POST = HSS 5x5x3/8 TYPICAL, SEE S3.1

WEST DUCT TOWER GROUND FLOOR FRAMING PLAN (T.O.S. 52'-10 5/8")

2

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



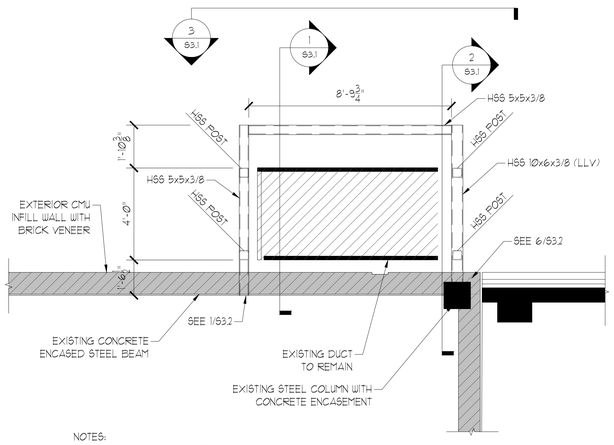
NOTES:
1. SEE SECTIONS IN S3.1 FOR HSS SIZES. DIAGONALS AT FRONT AND SIDE ELEVATION ARE NOT SHOWN FOR CLARITY, REFER TO SECTIONS IN S3.1

2. HSS POST = HSS 5x5x3/8 ABOVE AND BELOW TYPICAL, SEE S3.1

WEST DUCT TOWER 1ST FLOOR FRAMING PLAN (T.O.S. 54'-11 5/8")

3

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

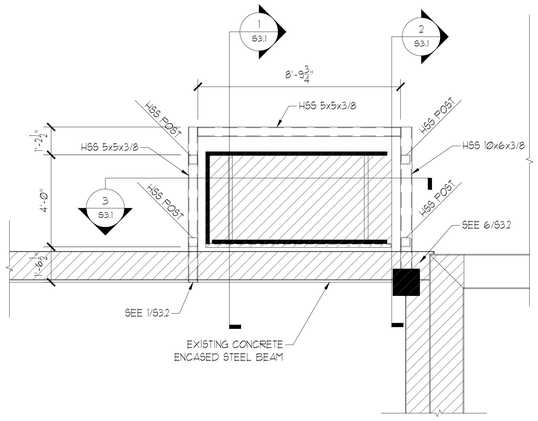


NOTES:
1. SEE 3/S1.1 FOR OTHER NOTES

WEST DUCT TOWER 2ND FLOOR FRAMING PLAN (T.O.S. 69'-9 7/8")

4

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

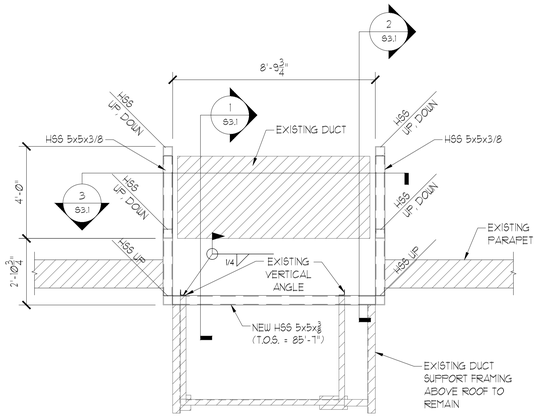


NOTES:
1. SEE 3/S1.1 FOR OTHER NOTES

WEST DUCT TOWER 3RD FLOOR FRAMING PLAN (T.O.S. 82'-6 1/4")

5

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



NOTES:
1. SEE 3/S1.1 FOR OTHER NOTES

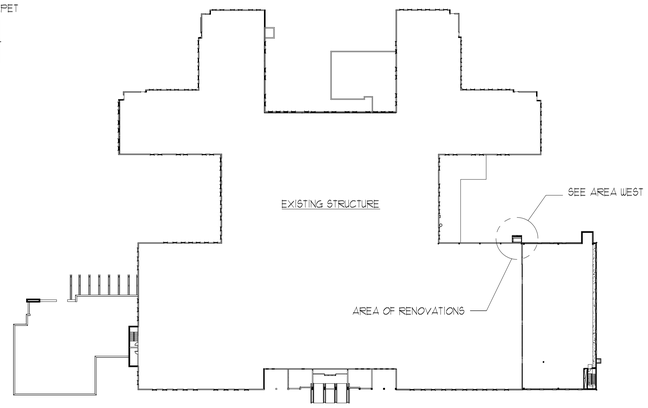
WEST DUCT TOWER ROOF FRAMING PLAN (T.O.S. 86'-5 5/8" U.N.O.)

6

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

NOTES FOR TOWER FRAME:

1. VERIFY ALL DIMENSIONS WITH ARCHITECT DRAWINGS
2. GC TO LOCATE REBAR IN EXISTING CONCRETE WALL WITH GPR OR OTHER SIMILAR METHOD PRIOR TO INSTALLING ANCHORAGE. N PROVIDE THE REPORT TO EOR AND ARCHITECT.
3. DO NOT DAMAGE OR CUT EXISTING REBAR IN CONCRETE WALLS WHEN INSTALLING ANCHORAGE FOR NEW WALL PLATE CONNECTIONS.
4. EXISTING BRICK VENEER AROUND NEW PENETRATION OPENINGS TO BE STABILIZED BY GC BY INSTALLING NEW L4X4X1/4 ANGLE WITH 1/2" DIA EPOXY THREADED ROD AT 12" O.C OR STITCH BARS AT 8" O.C (SIMILAR TO 3/S3.).
5. SEE ARCH FOR WATERPROOFING AND PLATE COVERAGE REQUIREMENTS AT CONNECTION TO EXISTING STRUCTURE. INCLUDE MINIMUM 1/2" EXPANSION JOINT AROUND HSS BEAMS TO BRICK PENETRATION.



KEY PLAN

NOT FOR CONSTRUCTION— NOT FOR FINAL PRICING— SUBJECT TO CHANGE

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Chakradhar Gondi
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Pennoni Project No. JPOEC22001

ARCHITECT/ENGINEER OF RECORD

RDC◆JPA
ARCHITECTURE

STAMP

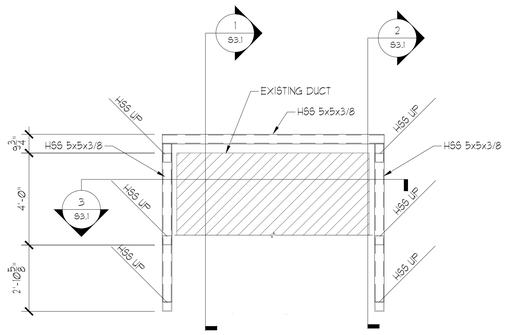
CHAKRADHAR GONDI
LICENSE
No. 93753
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	DUCT TOWER FRAMING PLANS
Phase	100% BID DOCUMENTS
Approved:	
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Location	JAMES A. HALEY VA HOSPITAL
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Drawing Number	S1.1

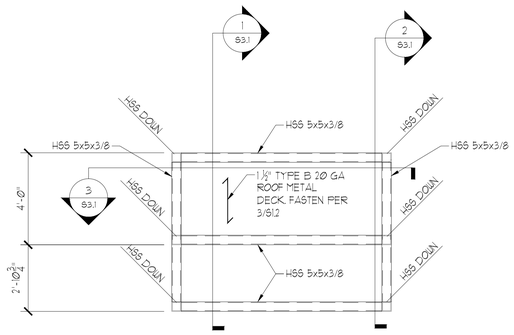
VA FORM 08 - 6231



NOTES:
1. SEE 3/S1.1 FOR OTHER NOTES

WEST DUCT TOWER ROOF FRAMING PLAN (T.O.S. 89'-9 7/8") 1

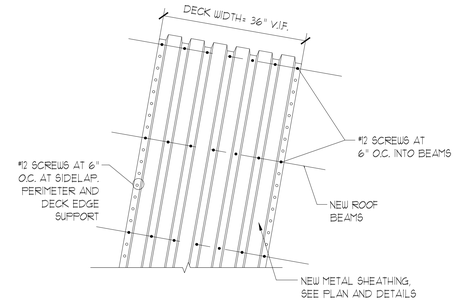
SCALE: 3/8" = 1'-0"



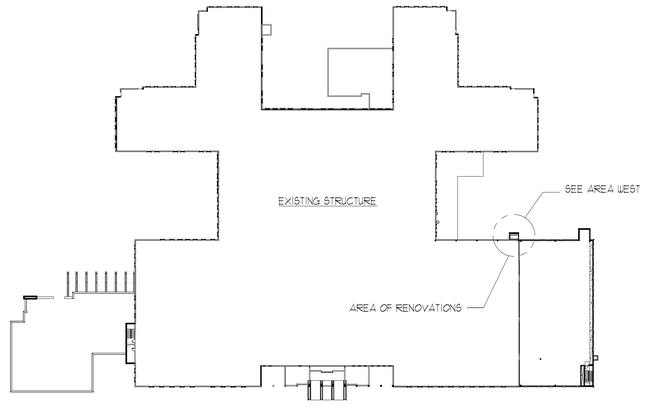
NOTES:
1. SEE 3/S1.1 FOR OTHER NOTES

WEST DUCT TOWER ROOF FRAMING PLAN (T.O.S. 96'-7 3/8") 2

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



NEW ROOF DECK FASTENERS 3



KEY PLAN

NOT FOR CONSTRUCTION - NOT FOR FINAL PRICING - SUBJECT TO CHANGE

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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STAMP

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Office of Construction and Facilities Management

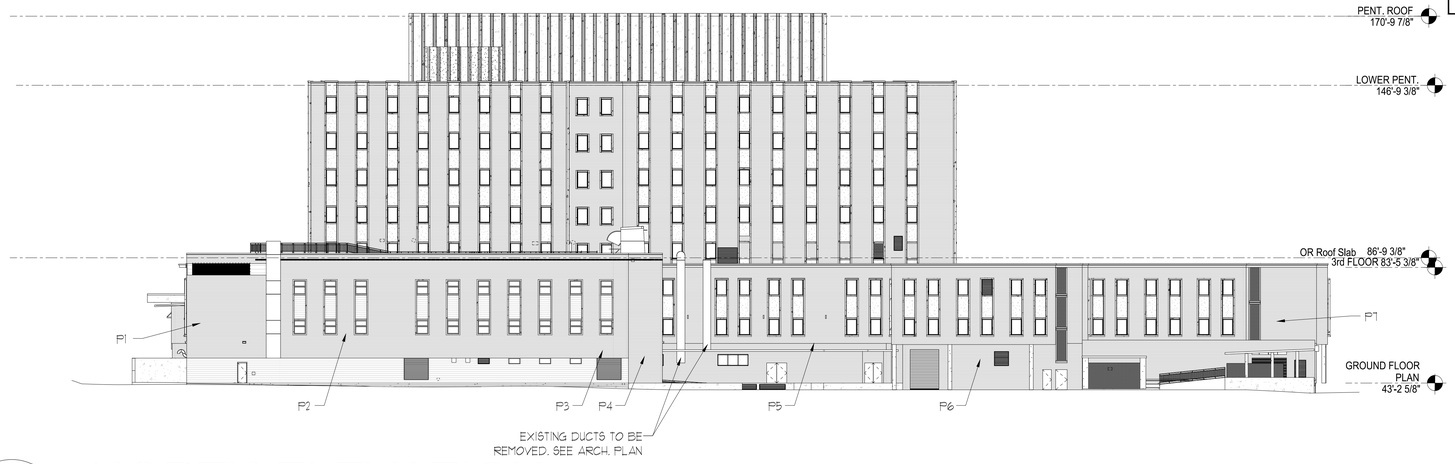
VA U.S. Department of Veterans Affairs

Drawing Title: DUCT TOWER FRAMING PLANS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Approved:		Location: JAMES A. HALEY VA HOSPITAL	Building Number: B1
		Issue Date: 1/31/2025 / Checked: C.G. / Drawn: GAP	Drawing Number: S1.2

VA FORM 08 - 6231

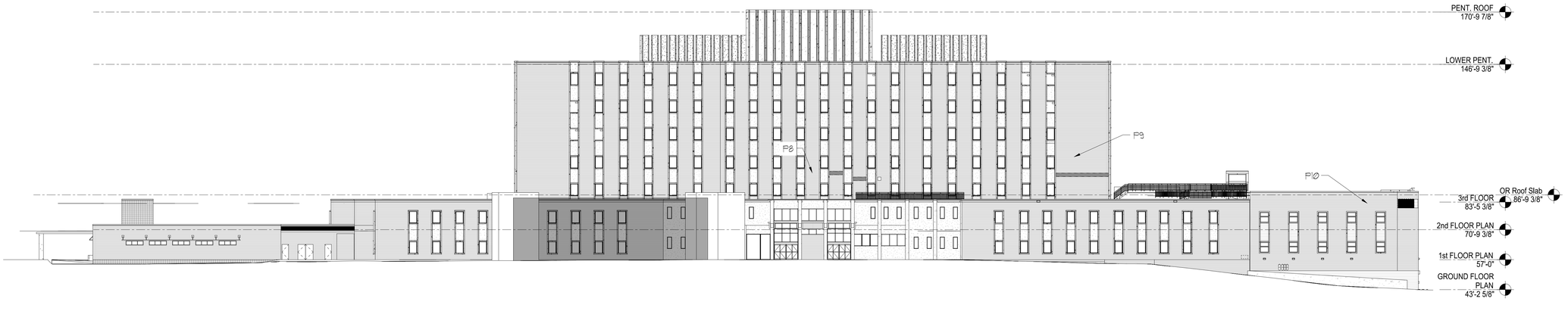
DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/63.3
CC	CONCRETE CRACKING	2/63.5
CS	CONCRETE SPALL	1/63.5
MJC	MORTAR JOINT CRACKING	1/63.4
P##	PHOTOGRAPH	62.12-62.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF IRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



1 NORTH ELEVATION

Scale: 1/64" = 1'-0"



2 EAST ELEVATION

Scale: 1/64" = 1'-0"

NOT FOR CONSTRUCTION - NOT FOR FINAL PRICING - SUBJECT TO CHANGE

Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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CHAKRADHAR GONDI LICENSE No. 93753 STATE OF FLORIDA PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

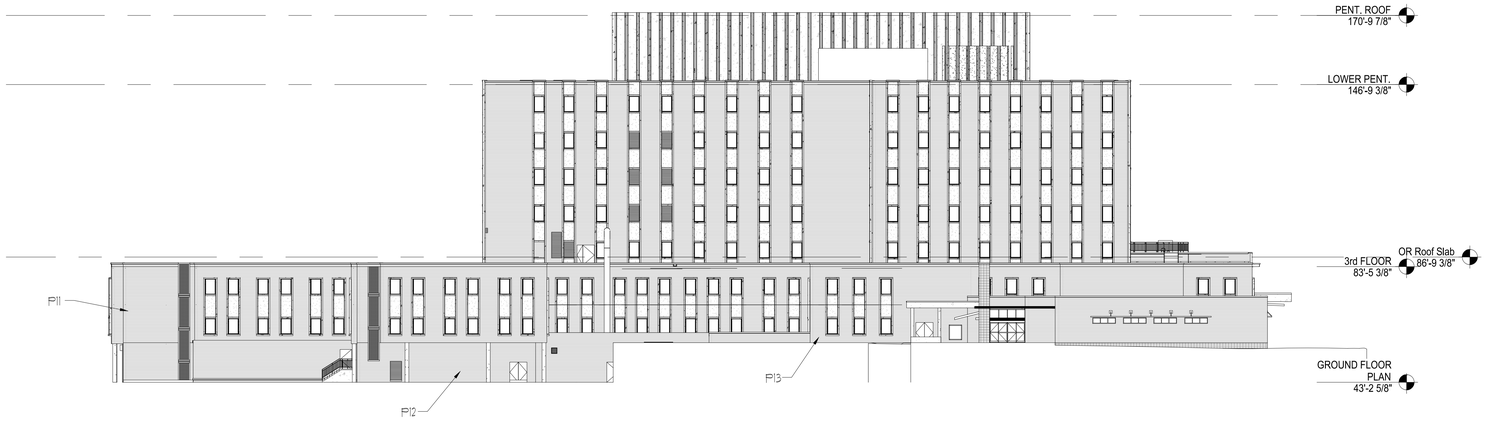
VA U.S. Department of Veterans Affairs

Drawing Title	EXTERIOR EXISTING ELEVATIONS - OVERVIEW
Phase	100% BID DOCUMENTS
Approved:	
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Location	JAMES A. HALEY VA HOSPITAL
Drawing Number	S2.1
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP

VA FORM 08 - 6231

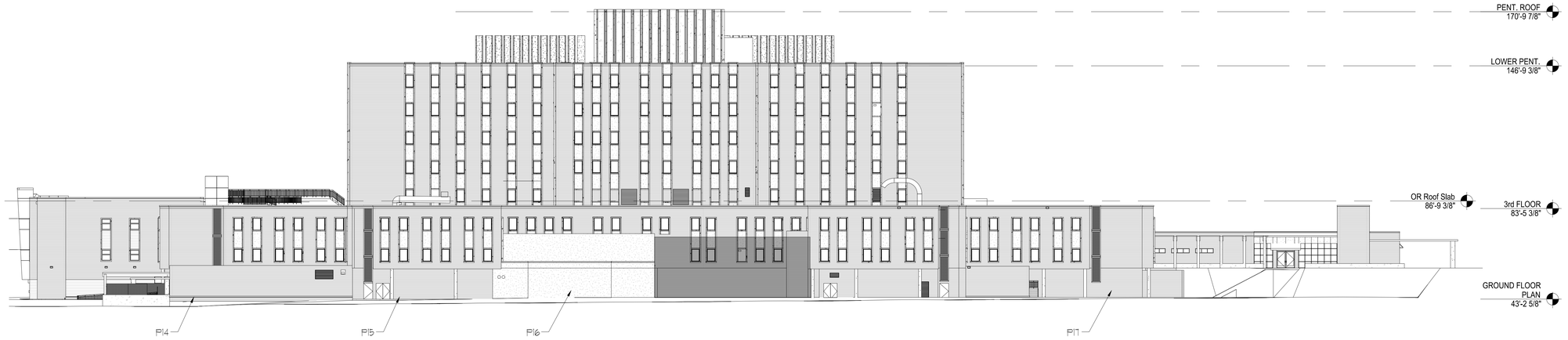
DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/G3.3
CC	CONCRETE CRACKING	2/G3.5
CS	CONCRETE SPALL	1/G3.5
MJC	MORTAR JOINT CRACKING	1/G3.4
P##	PHOTOGRAPH	G2.12-G2.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF IRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



3 SOUTH ELEVATION

Scale: 1/64" = 1'-0"



4 WEST ELEVATION

Scale: 1/64" = 1'-0"

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Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Office of Construction and Facilities Management

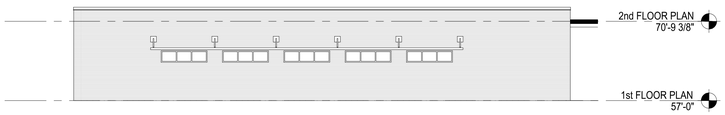
VA U.S. Department of Veterans Affairs

Drawing Title: EXTERIOR EXISTING ELEVATIONS - OVERVIEW	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Approved:		Location: JAMES A. HALEY VA HOSPITAL	Building Number: B1
		Issue Date: 1/31/2025 / Checked: C.G. / Drawn: GAP	Drawing Number: S2.2

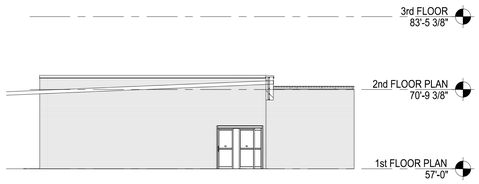
VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/S3.3
CC	CONCRETE CRACKING	2/S3.5
CS	CONCRETE SPALL	1/S3.5
MJC	MORTAR JOINT CRACKING	1/S3.4
P##	PHOTOGRAPH	S2.12-S2.16

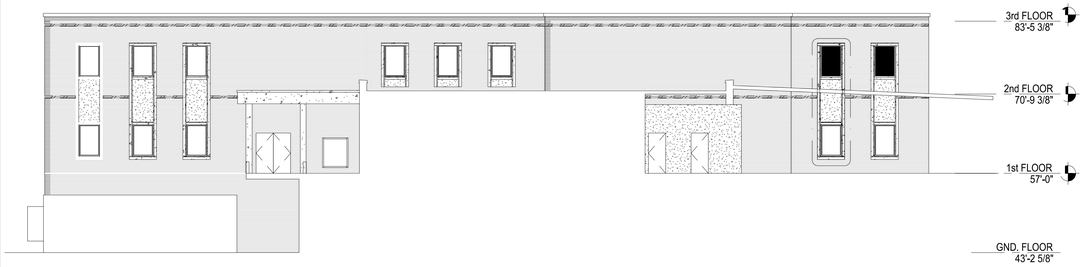
NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



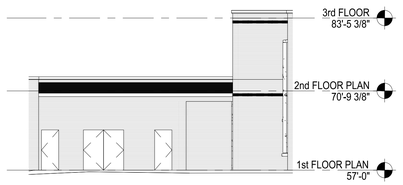
12 EAST ELEVATION
Scale: 3/32" = 1'-0"



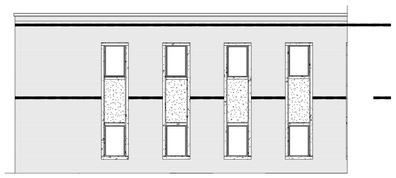
11 NORTH ELEVATION
Scale: 3/32" = 1'-0"

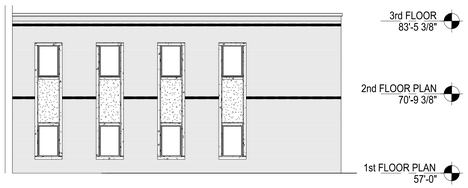


10 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

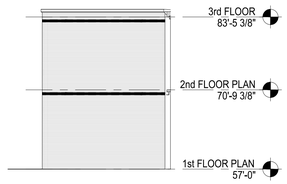


9 EAST ELEVATION
Scale: 3/32" = 1'-0"

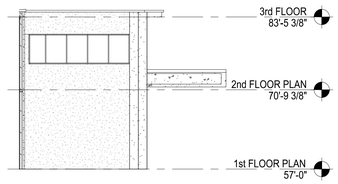




8 EAST ELEVATION
Scale: 3/32" = 1'-0"

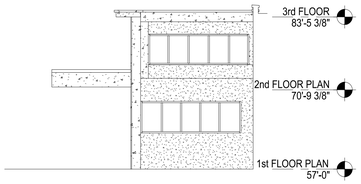


7 NORTH ELEVATION
Scale: 3/32" = 1'-0"

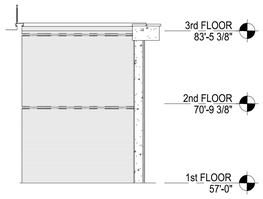


6 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

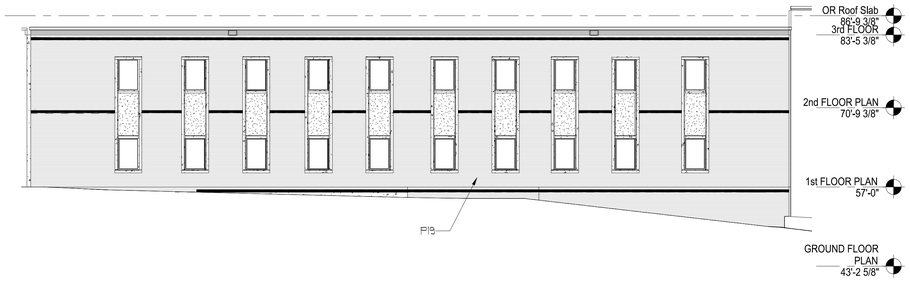
5 EAST ELEVATION
Scale: 3/32" = 1'-0"



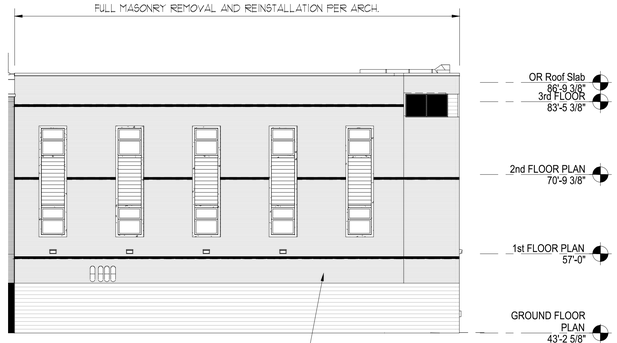
4 NORTH ELEVATION
Scale: 3/32" = 1'-0"



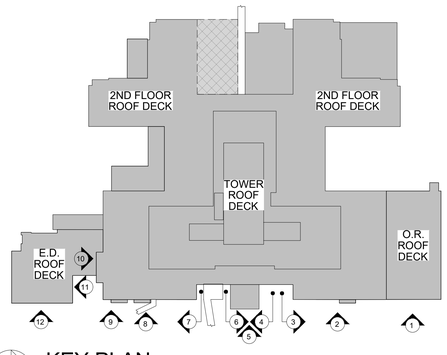
3 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



2 EAST ELEVATION
Scale: 3/32" = 1'-0"



1 EAST ELEVATION
Scale: 3/32" = 1'-0"



N KEY PLAN
Scale: N.T.S.

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6/25/2024 2:45:50 PM

Revisions	Date
100% BID DOCUMENTS	01/31/2025

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Florida P.E. 93753
Pennoni Project No. JPOEC22001

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Office of Construction and Facilities Management

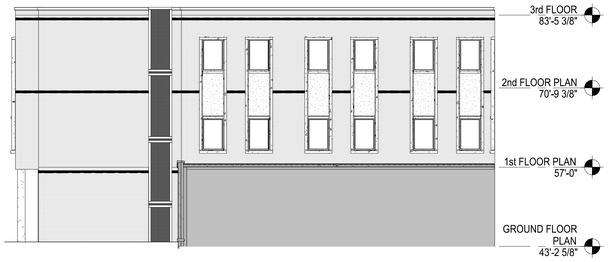
VA U.S. Department of Veterans Affairs

Drawing Title	EXT. ELV.-EAST GRD-3RD FLR
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Approved:	COR - Roland Manio
	FULLY SPRINKLERED
Location	JAMES A. HALEY VA HOSPITAL
Drawing Number	S2.3
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP

VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/G3.3
CC	CONCRETE CRACKING	2/G3.5
CS	CONCRETE SPALL	1/G3.5
MJC	MORTAR JOINT CRACKING	1/G3.4
P##	PHOTOGRAPH	G2.12-G2.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)

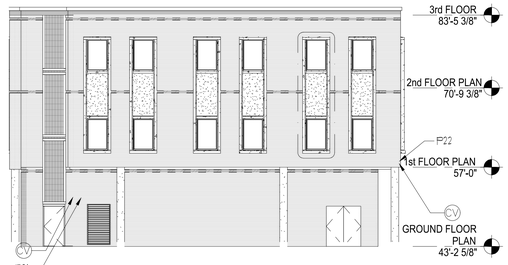


19.1 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)

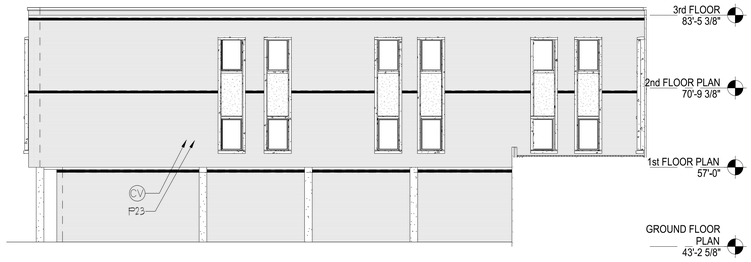
19 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



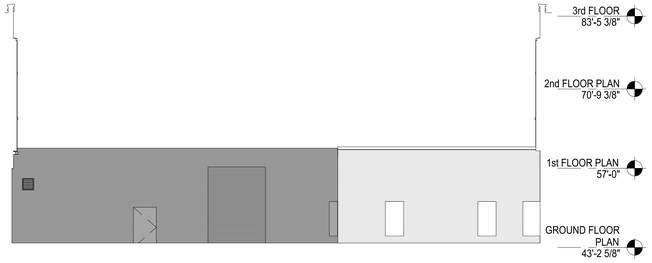
18 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)

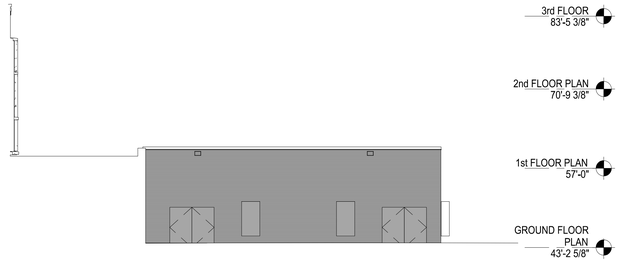


17 EAST ELEVATION
Scale: 3/32" = 1'-0"

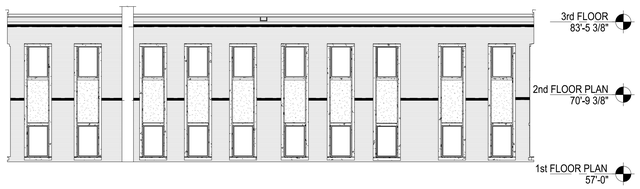
WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



16 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

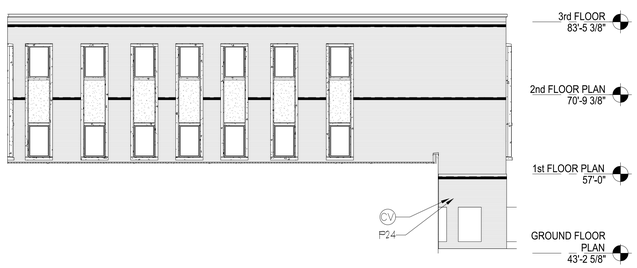


15 WEST ELEVATION
Scale: 3/32" = 1'-0"

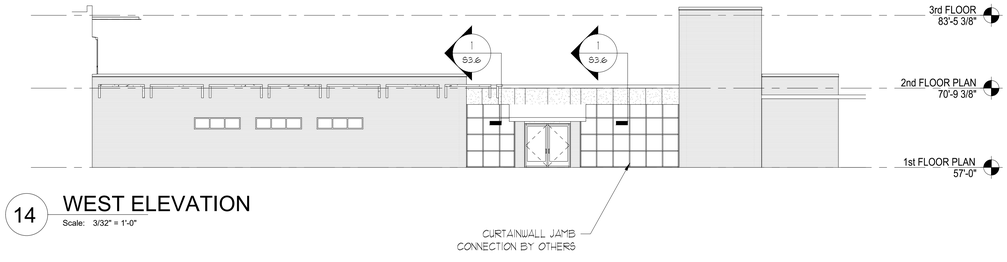


16.1 SOUTH ELEVATION
Scale: 3/32" = 1'-0"

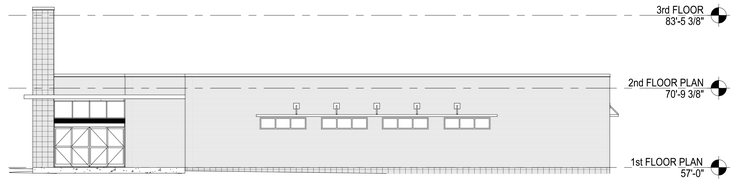
WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



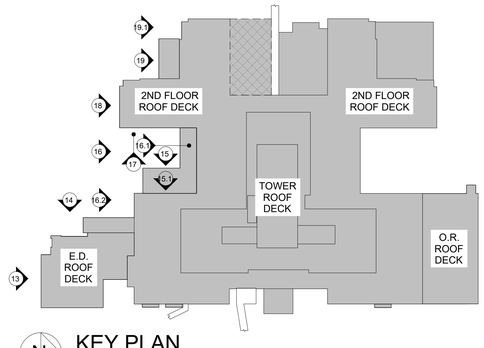
15.1 WEST ELEVATION
Scale: 3/32" = 1'-0"



14 WEST ELEVATION
Scale: 3/32" = 1'-0"



13 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



N KEY PLAN
Scale: N.T.S.

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Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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STAMP

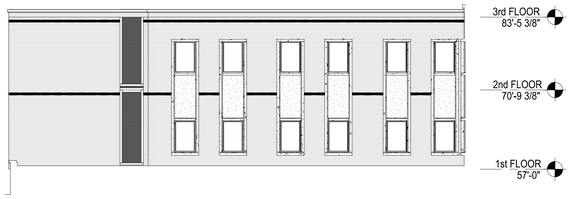
CHAKRADHAR GONDI
LICENSE
No. 93753
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELV.-EAST GRD-3RD FLR	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: COR - Roland Manio	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Drawing Number: S2.4
		Issue Date: 1/31/2025 · Checked: C.G. · Drawn: GAP	

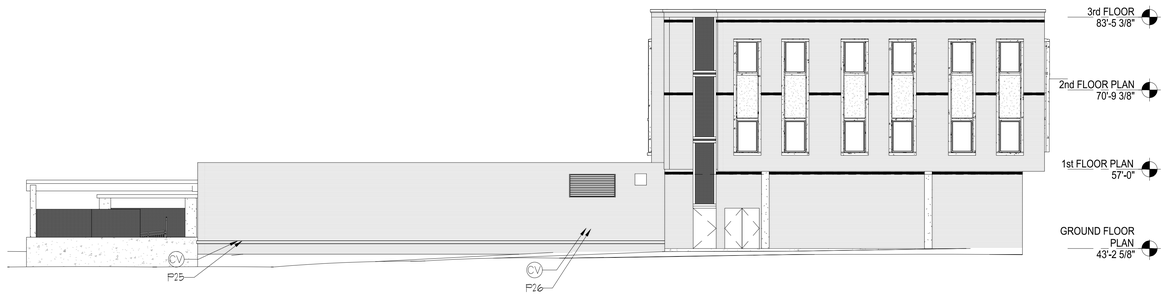
VA FORM 08 - 6231



24.2 WEST ELEVATION

Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



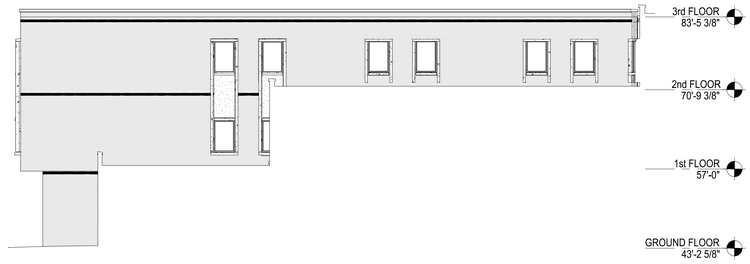
24 WEST ELEVATION

Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/G3.3
CC	CONCRETE CRACKING	2/G3.5
CS	CONCRETE SPALL	1/G3.5
MJC	MORTAR JOINT CRACKING	1/G3.4
P##	PHOTOGRAPH	G2.12-G2.16

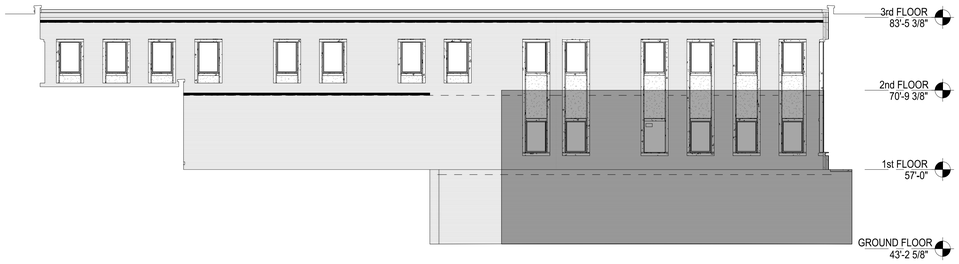
NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



23 SOUTH ELEVATION

Scale: 3/32" = 1'-0"

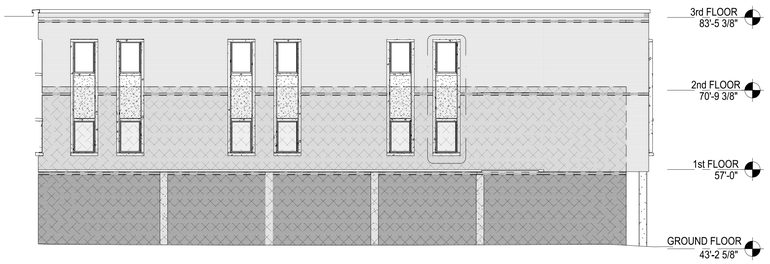
WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



22 WEST ELEVATION

Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



21 NORTH ELEVATION

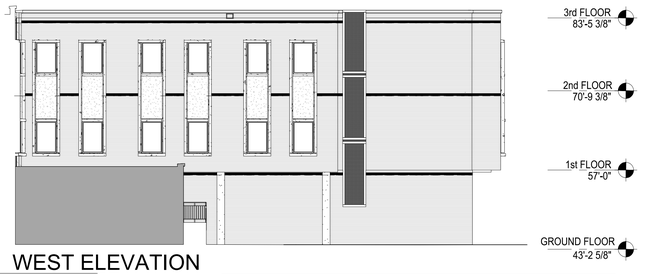
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)

20 WEST ELEVATION

Scale: 3/32" = 1'-0"

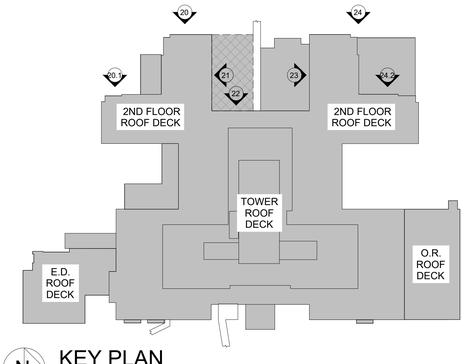
WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



20.1 WEST ELEVATION

Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



N KEY PLAN

Scale: N.T.S.

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Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Pennoni Project No. JPOEC22001

ARCHITECT/ENGINEER OF RECORD

RDC◆JPA
ARCHITECTURE

STAMP

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FLORIDA
PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

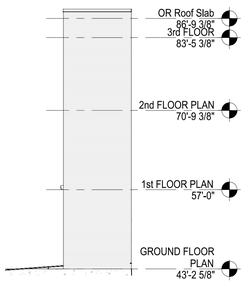
VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELV.-WEST GRD-3RD FLR	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: COR - Roland Manio	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Drawing Number: S2.5
		Issue Date: 1/31/2025 · Checked: C.G. · Drawn: GAP	

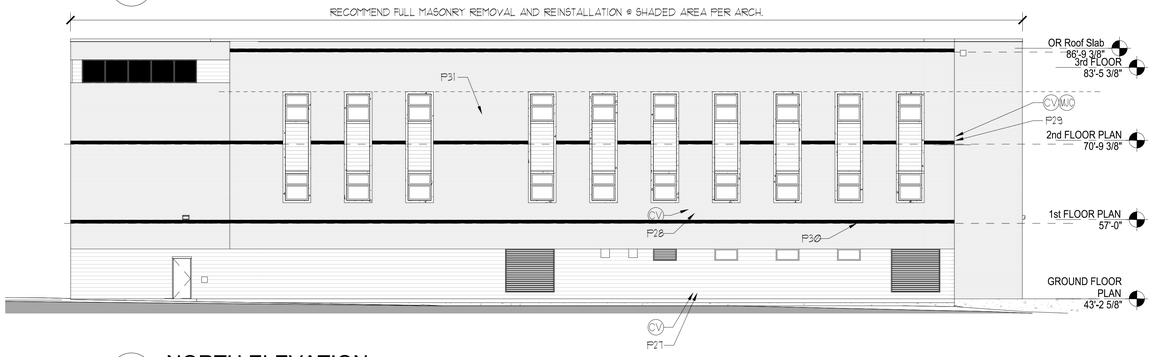
VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/G3.3
CC	CONCRETE CRACKING	2/G3.5
CS	CONCRETE SPALL	1/G3.5
MJC	MORTAR JOINT CRACKING	1/G3.4
P##	PHOTOGRAPH	G2.12-G2.16

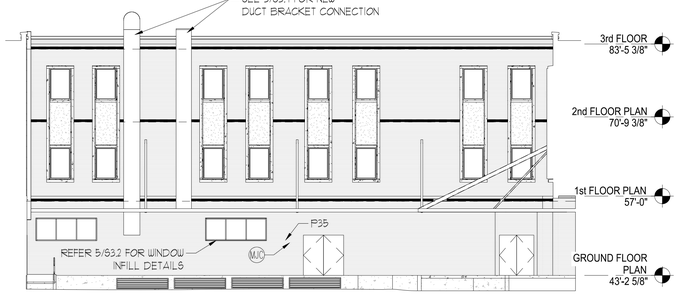
NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



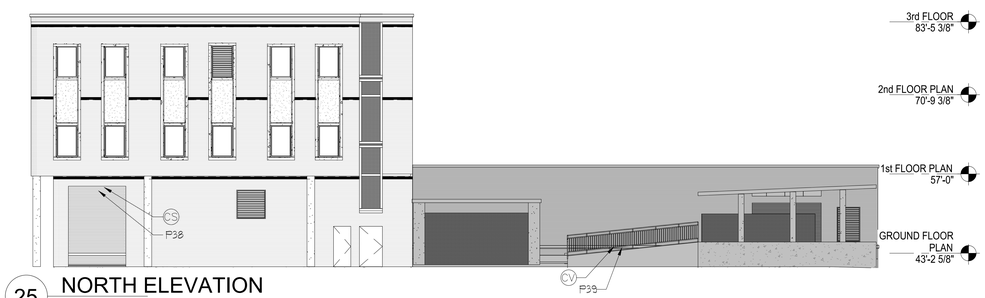
30 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



29 NORTH ELEVATION
Scale: 3/32" = 1'-0"

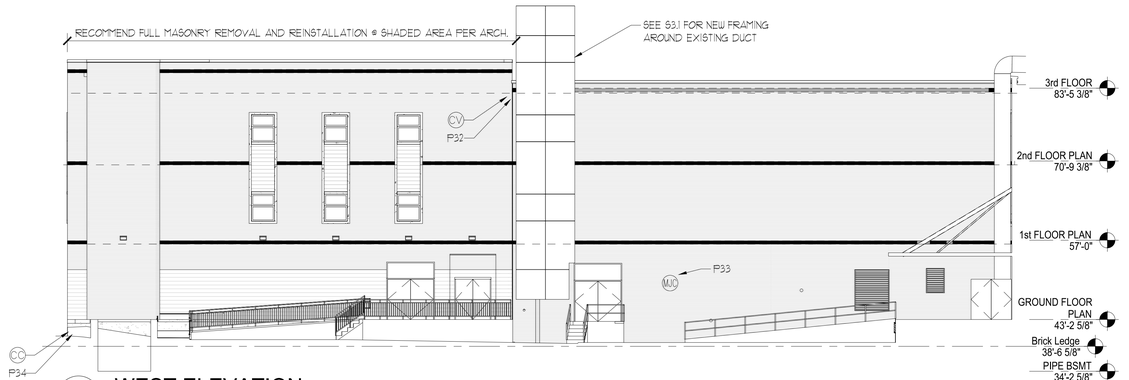


27 NORTH ELEVATION
Scale: 3/32" = 1'-0"

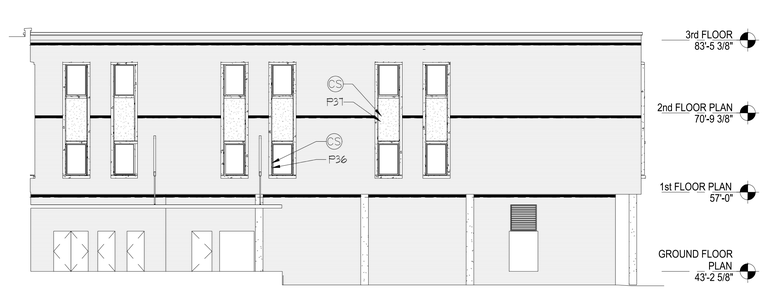


25 NORTH ELEVATION
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)

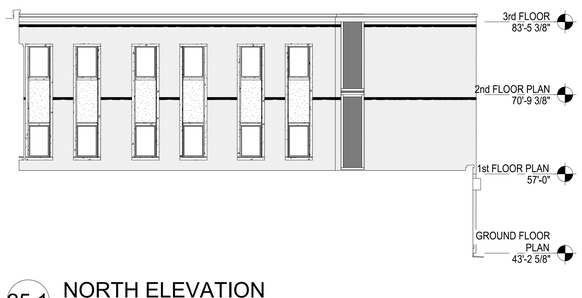


28 WEST ELEVATION
Scale: 3/32" = 1'-0"



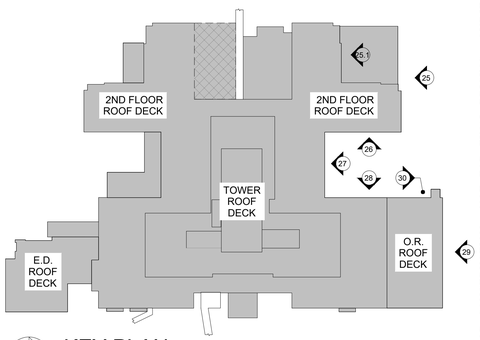
26 EAST ELEVATION
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



25.1 NORTH ELEVATION
Scale: 3/32" = 1'-0"

WORK SCOPE IN THIS ELEVATION IS PART OF BID ITEM #2 (DEDUCT ALTERNATE)



N KEY PLAN
Scale: N.T.S.

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Revisions	Date
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RDC◆JPA ARCHITECTURE

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CHAKRADHAR GONDI LICENSE No. 93753 STATE OF FLORIDA PROFESSIONAL ENGINEER

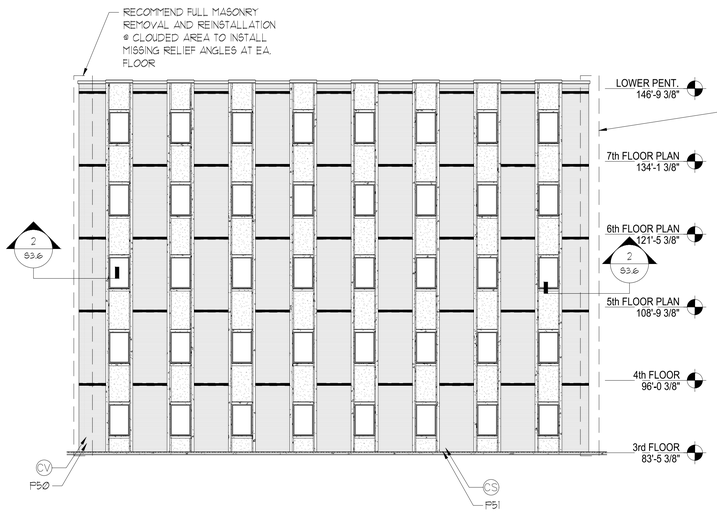
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title	EXT. ELV.-NORTH GRD-3RD FLR
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Approved:	COR - Roland Manio
	FULLY SPRINKLERED
Location	JAMES A. HALEY VA HOSPITAL
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Drawing Number	S2.6

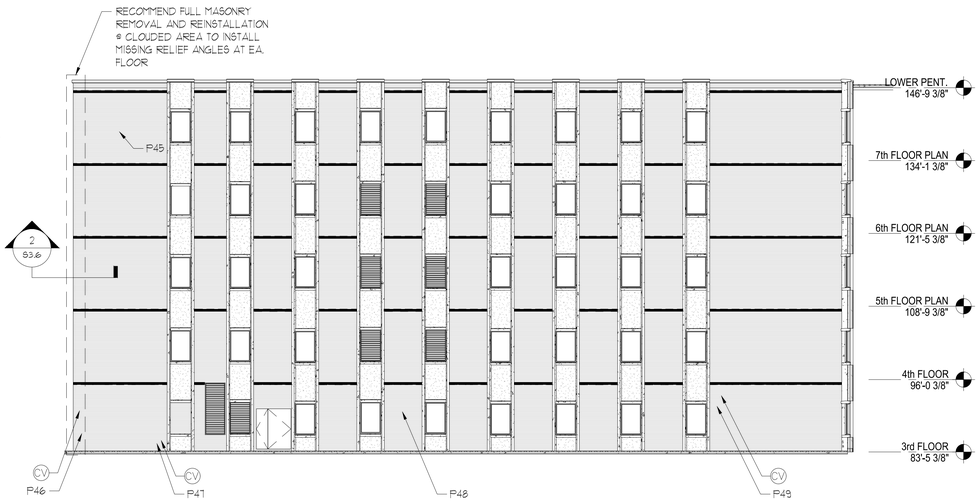
VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/G3.3
CC	CONCRETE CRACKING	2/G3.5
CS	CONCRETE SPALL	1/G3.5
MJC	MORTAR JOINT CRACKING	1/G3.4
P##	PHOTOGRAPH	G2.12-G2.16

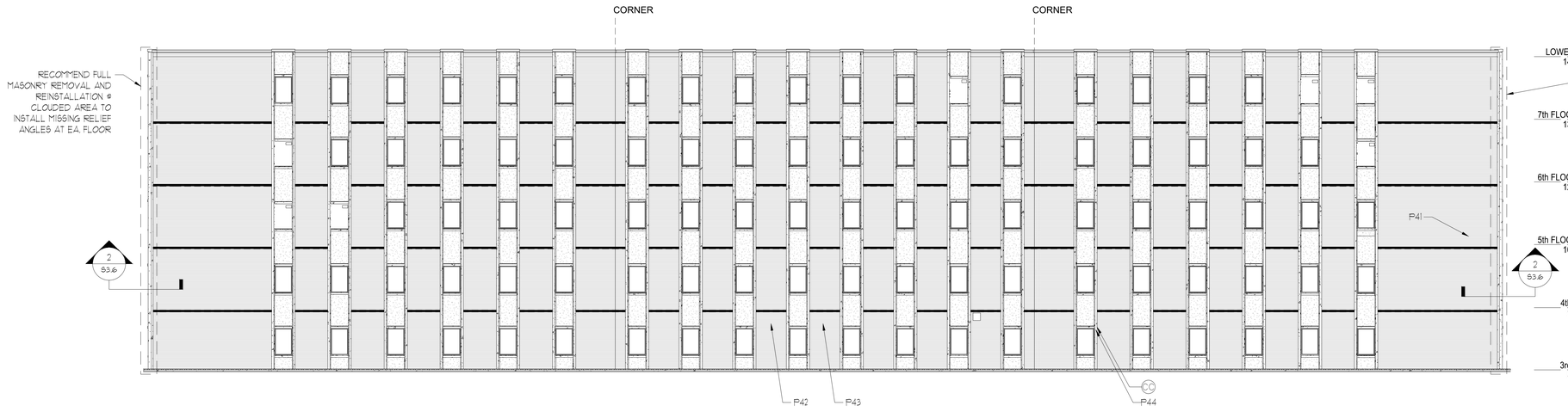
NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



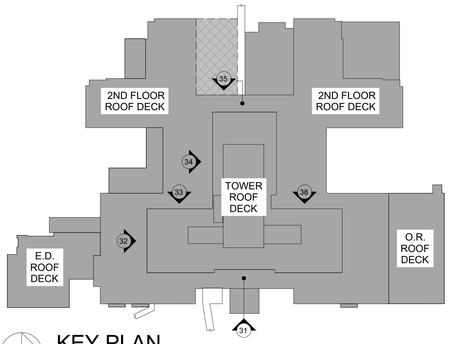
32 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



34 SOUTH ELEVATION
Scale: 3/32" = 1'-0"



31 EAST ELEVATION
Scale: 3/32" = 1'-0"



N KEY PLAN
Scale: N.T.S.

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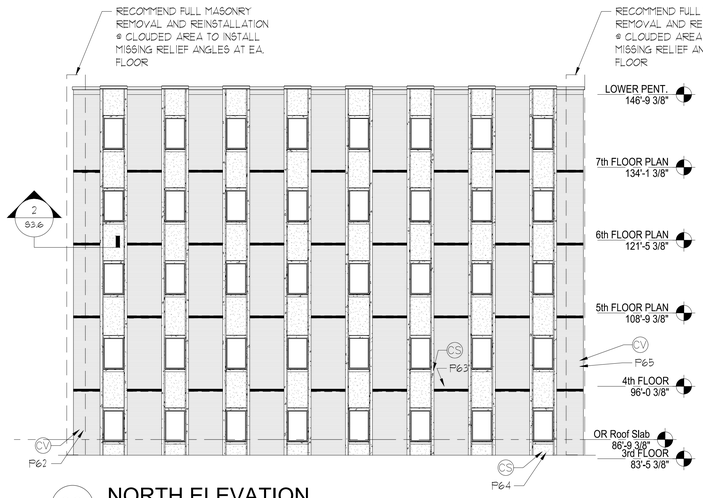
Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: EXT. ELV.-EAST 3RD-LWR. PENT.	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: COR - Roland Manio	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Drawing Number: S2.7
		Issue Date: 1/31/2025 · Checked: C.G. · Drawn: GAP	

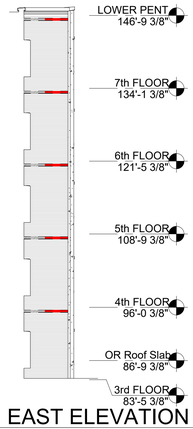
VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/G3.3
CC	CONCRETE CRACKING	2/G3.5
CS	CONCRETE SPALL	1/G3.5
MJC	MORTAR JOINT CRACKING	1/G3.4
P##	PHOTOGRAPH	G2.12-G2.16

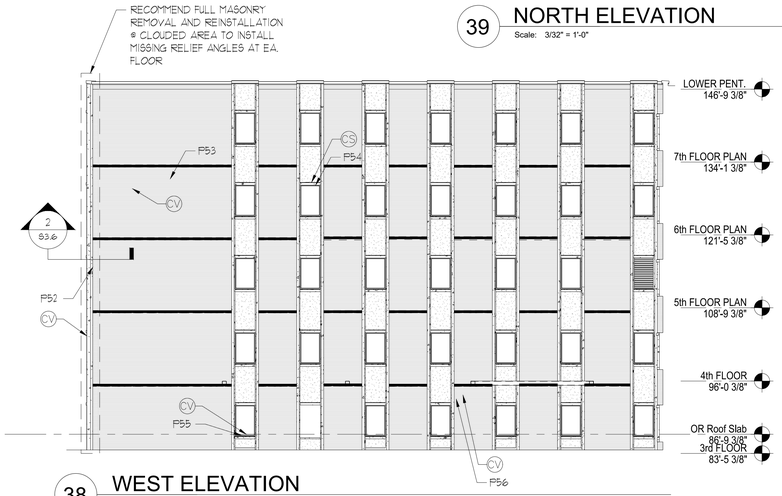
NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



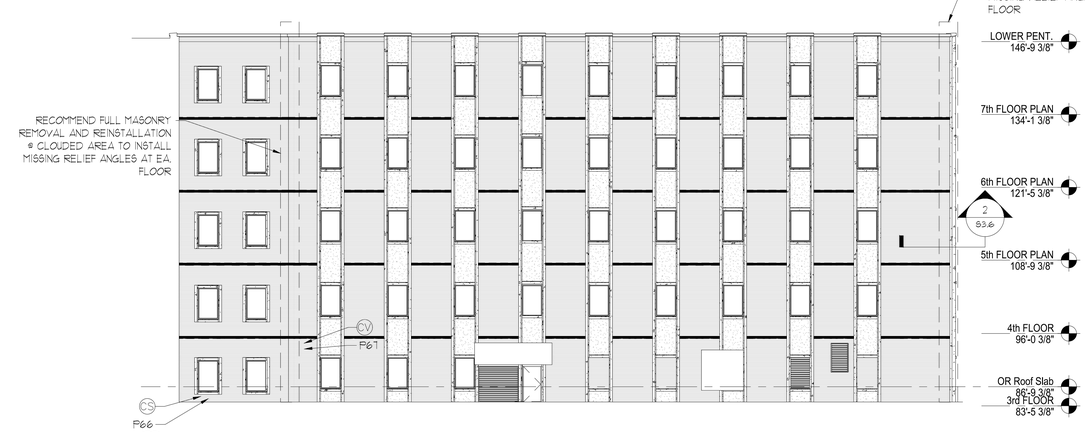
39 NORTH ELEVATION
Scale: 3/32" = 1'-0"



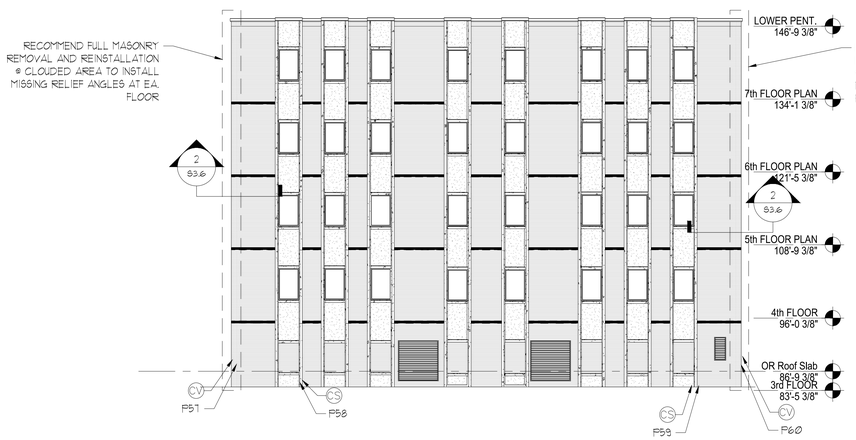
37 EAST ELEVATION
Scale: 3/32" = 1'-0"



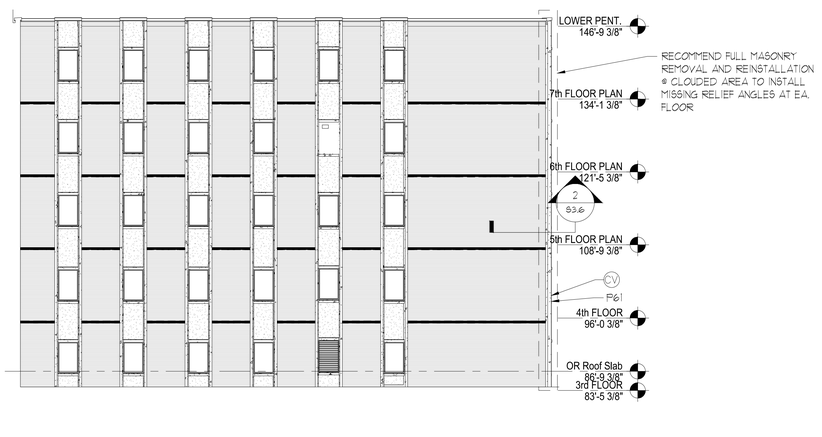
38 WEST ELEVATION
Scale: 3/32" = 1'-0"



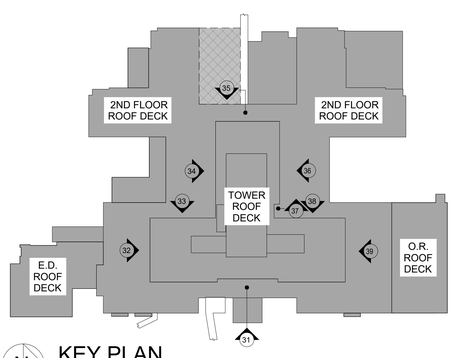
36 NORTH ELEVATION
Scale: 3/32" = 1'-0"



35 WEST ELEVATION
Scale: 3/32" = 1'-0"



33 WEST ELEVATION
Scale: 3/32" = 1'-0"



N KEY PLAN
Scale: N.T.S.

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VA U.S. Department of Veterans Affairs

Drawing Title	EXT. ELV.-WEST 3RD-LWR. PENT.
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Approved:	COR - Roland Manio
	FULLY SPRINKLERED
Location	JAMES A. HALEY VA HOSPITAL
Building Number	B1
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Drawing Number	S2.8

VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/S3.3
CC	CONCRETE CRACKING	2/S3.5
CS	CONCRETE SPALL	1/S3.5
MJC	MORTAR JOINT CRACKING	1/S3.4
P##	PHOTOGRAPH	S2.12-S2.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)

P1

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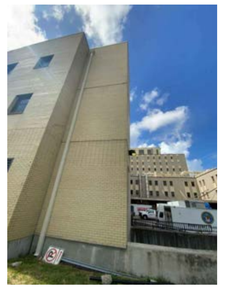

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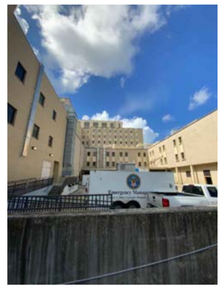

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Revisions	Date
100% BID DOCUMENTS	01/31/2025

CONSULTANT

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5755 Rio Vista Drive
Clearwater, FL. 33760-3137
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Chakradhar Gondi
Florida P.E. 93753
Pennoni Project No. JPOEC22001

ARCHITECT/ENGINEER OF RECORD

RDC◆JPA ARCHITECTURE

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CHAKRADHAR GONDI LICENSE No. 93753 STATE OF FLORIDA PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PHOTOS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: COR - Roland Manio	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Drawing Number: S2.12
		Issue Date: 1/31/2025 / Checked: C.G. / Drawn: GAP	

VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/S3.3
CC	CONCRETE CRACKING	2/S3.5
CS	CONCRETE SPALL	1/S3.5
MJC	MORTAR JOINT CRACKING	1/S3.4
P##	PHOTOGRAPH	S2.12 - S2.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)

P16

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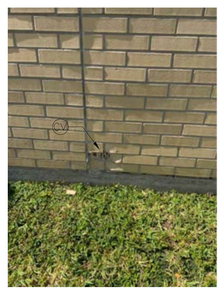

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Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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Approved: COR - Roland Manio			Building Number: B1
	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Drawing Number: S2.13
		Issue Date: 1/31/2025 / Checked: C.G. / Drawn: GAP	

VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/S3.3
CC	CONCRETE CRACKING	2/S3.5
CS	CONCRETE SPALL	1/S3.5
MJC	MORTAR JOINT CRACKING	1/S3.4
P##	PHOTOGRAPH	S2.12 - S2.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)

P31

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Revisions	Date
100% BID DOCUMENTS	01/31/2025

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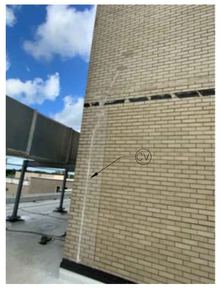
VA U.S. Department of Veterans Affairs

Drawing Title: PHOTOS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
			Building Number: B1
Approved: COR - Roland Manio	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Drawing Number: S2.14
		Issue Date: 1/31/2025 / Checked: C.G. / Drawn: GAP	

VA FORM 08 - 6231

DAMAGE LEGEND		
KEY	DESCRIPTION	REPAIR DETAIL
CV	BRICK VENEER CRACKING	1/S3.3
CC	CONCRETE CRACKING	2/S3.5
CS	CONCRETE SPALL	1/S3.5
MJC	MORTAR JOINT CRACKING	1/S3.4
P##	PHOTOGRAPH	S2.12 - S2.16

NOTE: ALL LOCATIONS OF EXPOSED EXISTING STEEL LEDGER ANGLES TO BE CLEANED, INSPECTED AND COATED W/ 2 LAYERS OF ZRC 95% ZINC RICH PAINT (OR APPROVED EQUAL)



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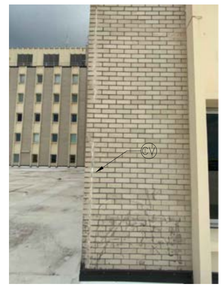

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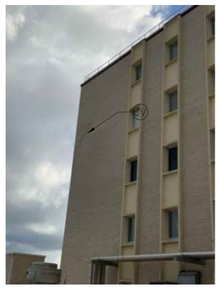

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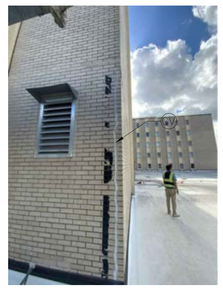

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: PHOTOS

Phase: 100% BID DOCUMENTS

Project Title: RESTORATION OF BUILDING 1 ENVELOPE

Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00

Building Number: B1

Approved: COR - Roland Manio

FULLY SPRINKLERED

Location: JAMES A. HALEY VA HOSPITAL

Issue Date: 1/31/2025

Checked: C.G.

Drawn: GAP

Drawing Number: S2.15

VA FORM 08 - 6231

DAMAGE LEGEND		
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CV	BRICK VENEER CRACKING	1/S3.3
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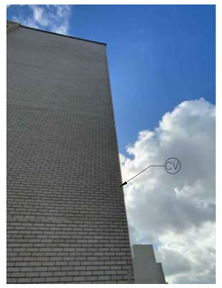

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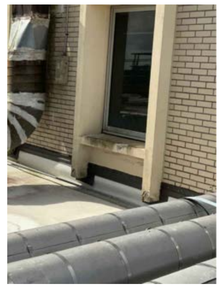

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Revisions	Date
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VA U.S. Department of Veterans Affairs

Drawing Title: PHOTOS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, RDC/JPA Project No. 22004.00
Approved: COR - Roland Manio	FULLY SPRINKLERED	Location: JAMES A. HALEY VA HOSPITAL	Building Number: B1
		Issue Date: 1/31/2025; Checked: C.G.; Drawn: GAP	Drawing Number: S2.16

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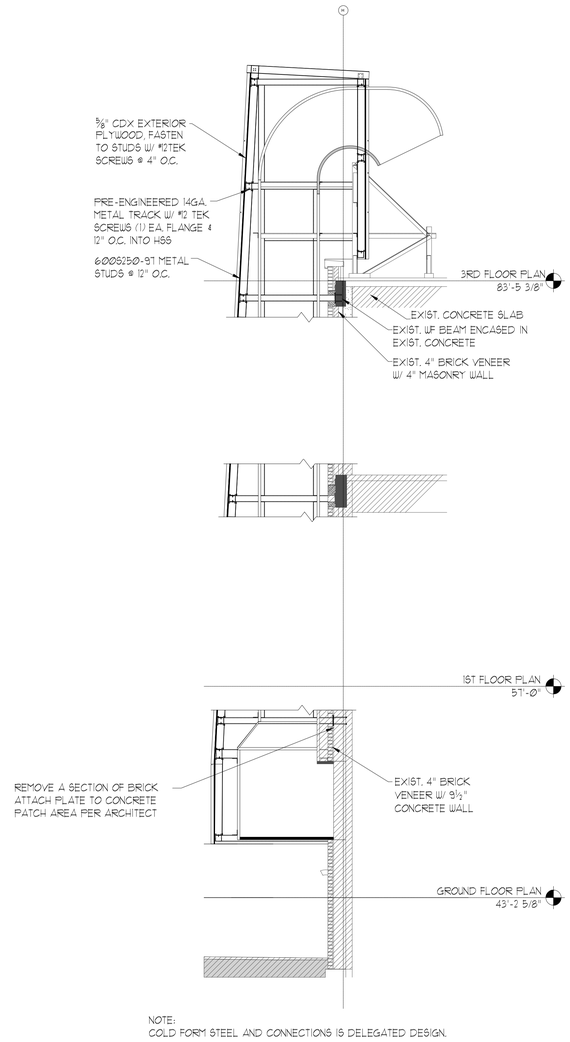
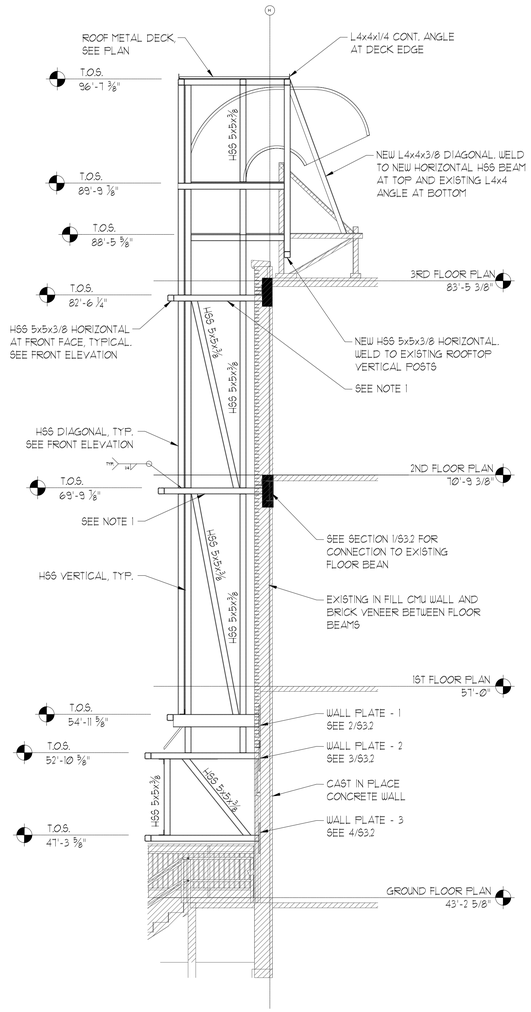


NOTE:
COLD FORM STEEL AND CONNECTIONS IS DELEGATED DESIGN.

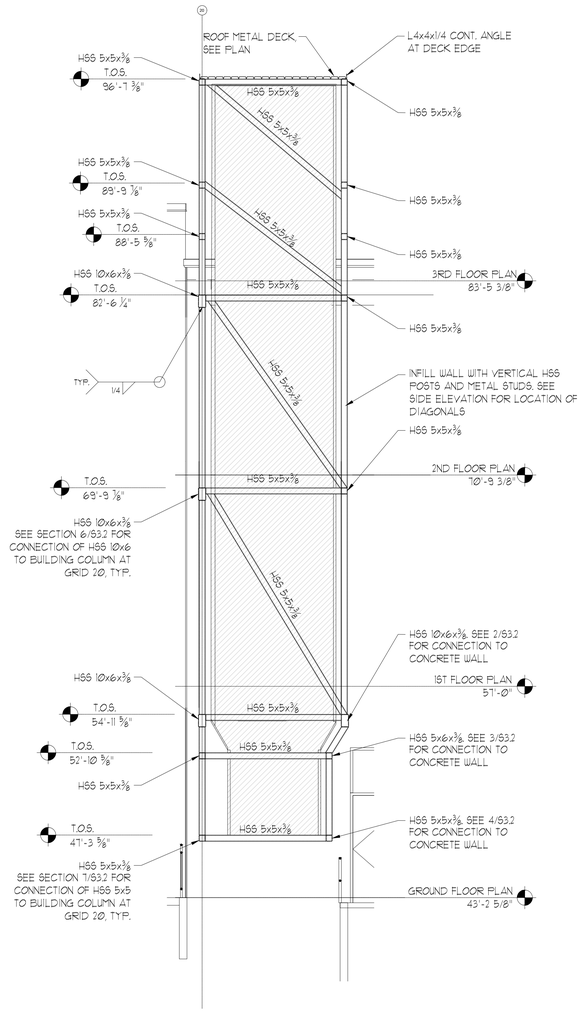
O-R WEST DUCT WALL SECTION

1



O-R WEST DUCT WALL SECTION RIGHT SIDE ELEVATION

2



O-R WEST DUCT FRONT ELEVATION

3

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Revisions	Date
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Drawing Title:
Approved:
Phase: 100% BID DOCUMENTS

Project Title: RESTORATION OF BUILDING 1 ENVELOPE
Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00
Building Number: B1
Location: JAMES A. HALEY VA HOSPITAL
Issue Date: 1/31/2025
Checked: C.G.
Drawn: GAP
Drawing Number: S3.1

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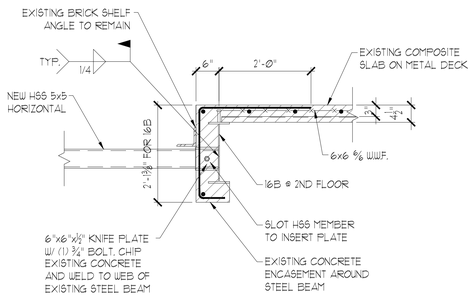
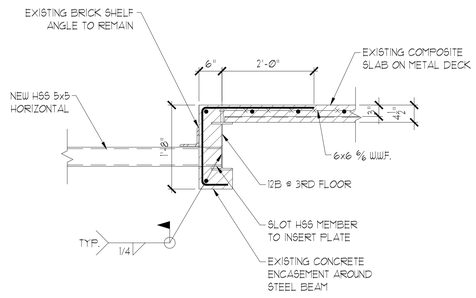


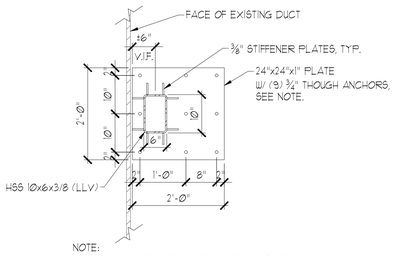
AT 2ND FLOOR



AT 3RD FLOOR

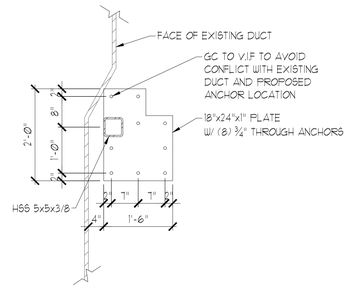
NOTE:
REMOVAL OF MINIMUM 12"x12" CONCRETE ENCASEMENT AT HSS PENETRATION MAY BE REQUIRED TO INSTALL KNIFE PLATE CONNECTION.

FLOOR BEAM CONNECTION 1



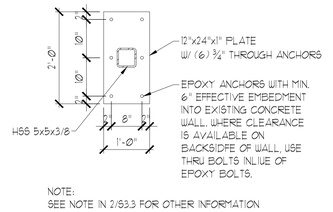
NOTE:
WHEN CLEARANCE FOR THROUGH BOLT IS NOT AVAILABLE ON BACKSIDE OF WALL, USE EPOXY ANCHORS WITH MIN. 6" EFFECTIVE EMBEDMENT INTO EXISTING CONCRETE WALL

WALL PLATE 1 2



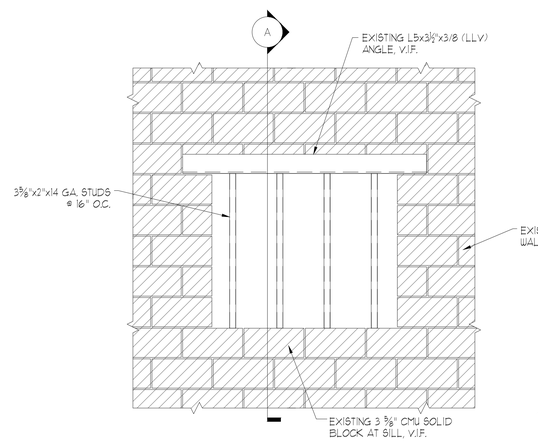
NOTE:
SEE NOTE IN 2/S3.3 FOR OTHER INFORMATION

WALL PLATE 2 3



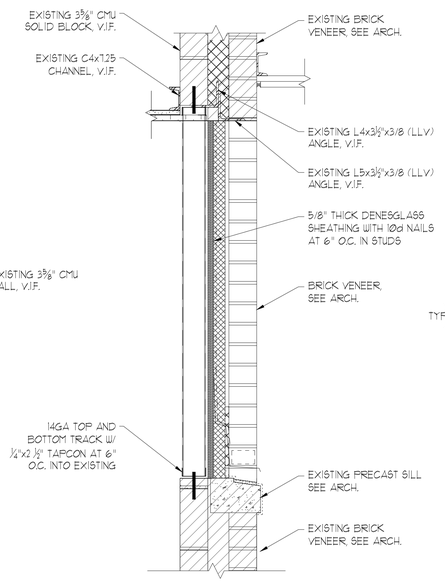
NOTE:
SEE NOTE IN 2/S3.3 FOR OTHER INFORMATION

WALL PLATE 3 4



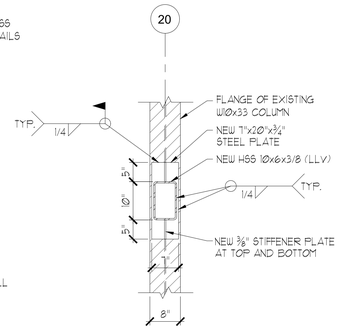
INFILL DETAIL AT WINDOW OPENING

N.T.S. 5

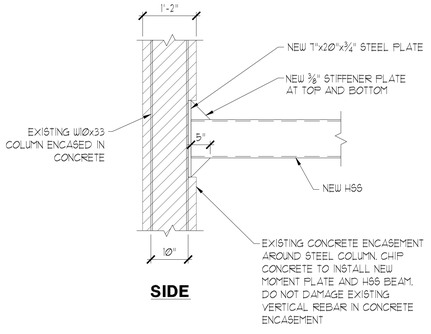


SECTION A

N.T.S.

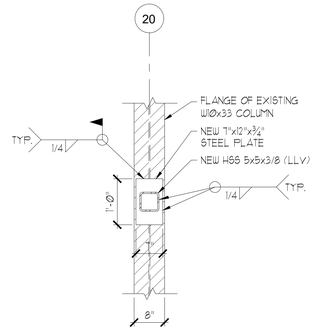


FRONT



SIDE

MOMENT CONNECTION #1 TO EXISTING STEEL COLUMN 6



NOTE:
SEE 6/S3.3 FOR OTHER INFORMATION

MOMENT CONNECTION #2 TO EXISTING STEEL COLUMN 7

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Revisions	Date
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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	NORTH DUCT WALL DETAILS
Phase	100% BID DOCUMENTS
Approved:	
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Location	JAMES A. HALEY VA HOSPITAL
Drawing Number	S3.2
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP

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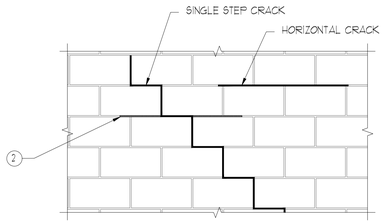
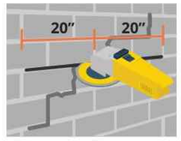


REPAIR PROCEDURES FOR MASONRY CRACKS-SINGLE STEP, VERTICAL ≤ (1/32")

1. SINGLE CRACKS LESS THAN 1/32" SHALL BE TUCK POINTED PER THE ATTACHED TUCK-POINTING DETAIL 1/S3.4.
2. AS DIRECTED BY ENGINEER OR AT LOCATION WHERE VERTICAL OR STAIR STEP MASONRY CRACKS EXTEND IN LENGTH GREATER THAN 4'-0", THE MASONRY SHALL BE REINFORCED WITH PROSOCO STITCHING UTILIZING 6MMDIAMETER BARS TO INSTALL PER 2/S3.3, 5/S3.3 AND THE MANUFACTURER SPECIFICATIONS.

MASONRY CRACK(S) SINGLE STEP, HORIZONTAL ≤ 1/32"

1

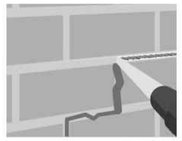


Step 1. Grind away existing mortar, 20" minimum on each side of crack, 1-1/2" to 2" deep. Clean with water.

Step 2. Apply a bead of SureGrout S at the base of the ground joint.

SureGrout S preparation: mix the two-part ready to mix packs of powder with the provided admixture. Pour the liquid into the pail provided , pour the powder slowly into the pail, and mix with a paddle mixer for a full 2 minutes, ensuring that the powder is completely blended. (No additional water or powder should be added. Once mixed, the grout is ready to be used and has a usability time of 45 minutes. Cover pail from direct sunlight.

Step 3. Insert Stitch-Tie Bar into bead of SureGrout S.



Step 4. Apply second/third bead of SureGrout over Stitch-Tie Bar, and compact with appropriate trowel.

Apply an additional bead of SureGrout over the Stitch-Tie Bar. If an additional reinforcing Stitch-Tie bar is required, repeat steps 3 & 4. Compact with trowel when complete and allow enough room in slot to re-point with mortar.

TECHNICAL SPECIFICATIONS

NOMINAL DIAMETER:	1/4" (6MM)	
MATERIAL:	ASTM A580 TYPE 304 STAINLESS STEEL	
CROSS SECTIONAL AREA:	0.012 IN^2	(8 MM^2)
HELICAL PITCH:	1.18 IN	(30 MM)
PITCH:	0.59 IN	(15 MM)
HELIX ANGLE:	32.14°	
ULTIMATE TENSILE STRENGTH:	130 KSI	(1060 N/MM^2)
YIELD STRENGTH:	108 KSI	(745 N/MM^2)
ULTIMATE SHEAR LOAD:	265LBS	(1180 N)
ELASTIC MODULUS:	22,625 KSI	(156.3 GPA)

PROSOCO MATERIALS:

1: STITCHING ANCHOR SHALL BE 6MM, 304 GRADE SS, BY PROSOCO.

2: GROUT SHALL BE "SUREGROUT S".

3: ALL RELEVANT DRILL BITS & SETTING TOOLS SHALL BE BY "PROSOCO".

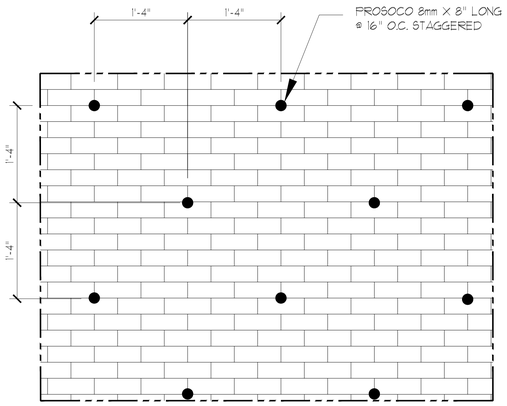
4: CONTACT CONSTRUCTION MATERIALS, ATTENTION STEVE RALEIGH AT (813) 310-3736.

PROSOCO STITCHING INSTALLATION

2

Additional Installation Notes:

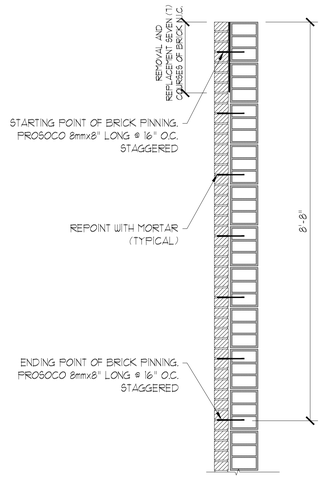
1. When installing in a non-linear joint, the Stitch-Tie bar can be bent to follow the mortar's path or even be turned 90 degrees, wrapping a corner.
2. For areas where multiple vertical cracks are in close proximity, extend the Stitch-Tie Bar 20" past the outermost cracks. Either a longer length coil could be used and cut to size, or shorter lengths can be lapped (providing a minimum 6" overlap).
3. For multi-wythe walls, where it is observed that the crack propagates through the full thickness, the wall should be repaired on both sides, if accessible.
4. SureGrout S can be re-agitated by re-mixing the remaining contents in the pail to achieve a blended consistency again. DO NOT add additional water.
5. Under no circumstances should the grout be used where freezing may occur within 24 hours. The grout performance may be impaired if not protected from freezing.



BRICK VENEER DETAIL

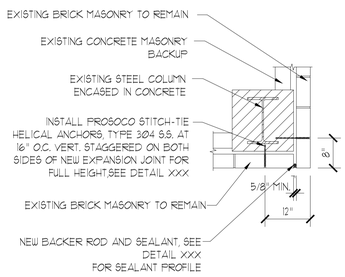
NOT TO SCALE

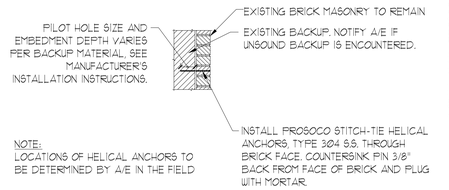
3



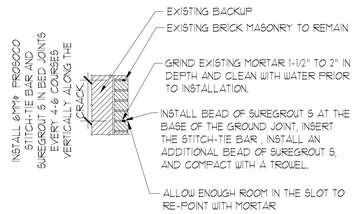
EXTERIOR WALL DETAIL

4

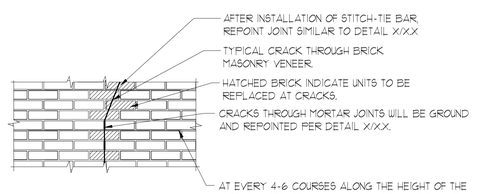




NOTE:
LOCATIONS OF HELICAL ANCHORS TO BE DETERMINED BY A/E IN THE FIELD



NOTE:
LOCATIONS OF HELICAL ANCHORS TO BE DETERMINED BY A/E IN THE FIELD



HELICAL ANCHOR REPAIRS DETAILS

SCALE: 3/4" = 1'-0"

5

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Revisions		Date
	100% BID DOCUMENTS	01/31/2025

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RDC◆JPA ARCHITECTURE

STAMP

CHAKRADHAR GONDI LICENSE No. 93753 STATE OF FLORIDA PROFESSIONAL ENGINEER

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	REPAIR DETAILS
Phase	100% BID DOCUMENTS
Approved:	
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 RDC/JPA Project No. 22004.00
Building Number	B1
Location	JAMES A. HALEY VA HOSPITAL
Issue Date	1/31/2025
Checked	C.G.
Drawn	GAP
Drawing Number	S3.3

VA FORM 08 - 6231

Portland Cement Association

TROWEL TIPS

an aid to the masonry industry

Tuckpointing

Tuckpointing, also termed "repointing" or "pointing" is the replacement of cutout or defective mortar joints with new mortar. There are two basic reasons why tuckpointing may be necessary: (1) leaks through the mortar joints and (2) deterioration of joints. Properly executed, tuckpointing will produce a weather resistant wall and help to preserve the structural integrity and the appearance of the masonry.

If a wall is being repointed to improve its resistance to water penetration, it is recommended that all mortar joints be repointed. Minute cracks that could pass a visual inspection might still allow moisture to pass through the masonry. Before the start of any tuckpointing intended to produce weathertight masonry, a thorough inspection of all flashings, lintels, roofing, sills, and caulked joints should be made. Any defects in these components that may contribute to water penetration of building walls must be corrected.

If it is obvious that water is leaking through only specific cracks or a section of the masonry, it may be sufficient to repoint only the mortar joints in the vicinity of the leakage.

Preparation of Joints

Mortar joints should be cut out to a depth of at least 5/8 in. (16 mm), and in all cases the depth of mortar removed should be at least as great as the thickness of the mortar joint (see Fig. 1). If the mortar is unsound, the joint should be cut deeper until only sound material remains, but not more than 1/2 the total depth of the joint. Shallow (Fig. 2) or furrow-shaped (Fig. 3) joints are not acceptable.

Fig. 1. Properly prepared joint.

Fig. 2. Improperly prepared joint — too shallow.

Fig. 3. Improperly prepared joint — furrow should be eliminated.

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The method employed to remove mortar should be compatible with the existing masonry. For soft and crumbly mortars, a hooked mortar rake may be quite efficient. Where mortar is harder, a hammer and plugging chisel or a power grinder may be required. A grinder with an abrasive blade is usually more efficient than hand chiseling for cutting out defective mortar, but requires intense concentration and control to avoid damaging the units. All loose particles must be removed from the joint. An air jet or a water stream is effective for that purpose.

The joints should be dampened to reduce absorption of water from the freshly placed mortar. However, free standing water on the joint or unit surfaces will impair bond. Avoid extensive wetting of concrete masonry units before or during tuckpointing, since saturated concrete masonry units shrink as they dry.

Mortar Ingredients

Foremost among the factors that contribute to good mortar is the quality of the mortar ingredients. The following material specifications of the American Society for Testing and Materials (ASTM) or the Canadian Standards Association (CSA) are applicable:

- Masonry cement - ASTM C91 (Type N), CSA A8 CAN/CSA-A8-M
- Portland cement - ASTM C150 (Types I, IA, II, IIA, III, or IIIA), CAN/CSA-A5-M (Type 10 Normal)
- Blended hydraulic cement - ASTM C595 [Types IS, IS-A, IP, IP-A, I(PM), or I(PM)-A], CAN/CSA-A362-M (Type 10S)
- Hydrated lime for masonry purposes - ASTM C207 (Types S, SA, N, or NA)[*]
- Quicklime for structural uses (for making lime putty) - ASTM C5
- Sand - ASTM C144, CSA Standard A82.56M

For mortar joints that are less than the conventional 3/8 in. (10 mm) in thickness, 100% of the sand should pass the No. 8 (2.5 mm) sieve and 95% the No. 16 (1.25 mm) sieve.

If only portions of a wall are repointed, the color and texture of new mortar should closely match that of the old mortar by careful selection and proportioning of mortar ingredients. Admixtures should not be used unless specified.

Preparation of Mortar

Tuckpointing mortar should have a compressive strength equal to or less than that of the original mortar or should contain approximately the same proportions of ingredients as the original mortar. Recommended mortar types are shown in Table 1. Masonry applications with structural concerns or severe frost or environmental exposure (such as horizontal surfaces exposed to weathering) may require the use of special mortars other than those shown in Table 1.

[*] Types N and NA lime may be used only if tests or performance records show that these limes are not detrimental to the soundness of mortar.

Table 1. Tuckpointing Mortar (Vertical Surfaces)

	Mortar type (ASTM C270)*	
Type of service	Recommended	Alternative
Interior	O	N or K**
Exterior, above grade, and exposed on one side. Unlikely to be frozen when saturated, and not exposed to high wind or significant lateral load	O	N or K
Exterior, other than above	N	O† or mortar type based on structural or durability concerns

*Structural concerns dictating mortar type supercede these mortar recommendations. For pavements, mortar Types M or S with applicable frost resistance should be considered. Some air entrainment improves freeze-thaw durability.

**Type K mortar consists of 1 part portland cement, 2 ½ to 4 parts hydrated lime, with a sand content of 2 ¼ to 3 times the sum of the volumes of cement and lime.

†Type O mortar is recommended for use where the masonry is above ground and is unlikely to be frozen when saturated or unlikely to be subjected to high winds or other significant lateral loads. Type N or other appropriate mortar should be used in other cases.

Adapted from ASTM C270.

A recommended procedure for mixing tuckpointing mortar is: (1) thoroughly mix all of the dry ingredients; (2) mix in about half the water or enough water to produce a damp mix which will retain its shape when formed into a ball by hand; (3) mix the mortar for about 3 to 7 minutes, preferably with a mechanical mixer; (4) allow the mortar to stand for one hour for prehydration of the cementitious materials to reduce shrinkage; and then (5) add the remaining water and mix for 3 to 5 minutes.

Tuckpointing mortar should have a drier consistency than conventional mortar for laying masonry units. Retemper as needed; however, the mortar should be discarded approximately 2 ½ hours after the initial addition of water to the mix. Colored mortars may lighten upon the addition of water; therefore, retempering of colored mortar should be conducted with caution.

Filling the Mortar Joints

The general method of applying mortar in joints is to use a hawk and a tuckpointing trowel. The hawk is used to hold a supply of mortar; it also catches mortar droppings if held adjacent to the wall just below the joint that is being filled.

The pointing trowel should be slightly narrower than the mortar joints that are being filled in order to obtain a proper degree of compaction. If the trowel does not fit into the joints, it will be more difficult to obtain thoroughly compacted and completely filled joints.

Mortar should be spread into a joint in layers and firmly pressed to form a fully packed joint (see Fig. 4). Firm compaction is necessary to prevent voids as shown in Fig. 5. The act of firmly compacting the mortar also helps ensure bond to masonry units and to the old mortar. Voids are undesirable because they may trap water which can freeze and damage the new joint.

Fig. 4. Properly filled joint - pointing mortar compacted in layers.

Fig. 5. Improperly filled joint - contains voids.

Tooling Mortar Joints

Tooling compacts the mortar to a dense surface with good durability. For weathertight construction, all mortar joints should be tooled to a concave or V shape. These shapes are recommended because they do not allow water to rest on the joint and they result in the mortar being pressed against both lower and upper masonry units. This reduces weathering and helps ensure maximum bond between the mortar and the masonry units.

Beaded, raked, flush, struck, and weathered joints can be used for decorative effects, but are not recommended for maximum weathertightness and durability. They can be satisfactorily used for interior work and for exterior work when the masonry is protected from the elements or located in climates that do not impose extremely low temperature or water saturation.

Curing and Cleaning

The cementitious materials in mortar require moisture to develop proper strength. The mixing water in the mortar will usually provide this necessary moisture. However, freshly placed mortar should be protected from the sun and drying winds. With severe drying conditions, it may be necessary to cover the masonry structure with plastic sheeting or use a fine water-fog spray on clay masonry for about 4 days to reduce evaporation of water from the mortar.

If repointing work is carefully executed, there will be little excess mortar to clean from the walls. Remove most mortar particles with a soft bristle brush after the mortar has dried but not hardened. Any hardened mortar that remains can be scraped off with a piece of a similar masonry unit or a wooden paddle. After the mortar has cured, additional cleaning may be performed with water and a stiff brush, if needed. Cleaning with acid solutions or masonry cleaning solutions should be used only as a last resort and with extreme caution. Improper cleaning can quickly destroy the benefits sought by performing the tuckpointing.

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Portland Cement Association, 5420 Old Orchard Road, Skokie, IL 60077

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TRUCKPOINTING

1

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STAMP

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: REPAIR DETAILS

Approved:

Phase: 100% BID DOCUMENTS

Project Title: RESTORATION OF BUILDING 1 ENVELOPE

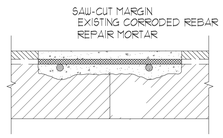
Location: JAMES A. HALEY VA HOSPITAL

Issue Date: 1/31/2025 | Checked: C.G. | Drawn: GAP

Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00

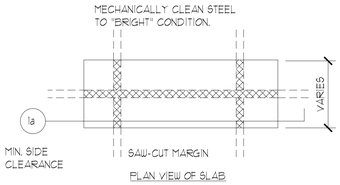
Building Number: B1

Drawing Number: S3.4



CONCRETE REMOVAL DEPTH BETWEEN REBARS	
MINIMUM DEPTH	MAXIMUM DEPTH
THE GREATER OF: (DIM "A" + 3/4") ≤ 2"	MINIMUM DEPTH + 1/4"

DETAIL (TYPICAL) 1a
NOT TO SCALE



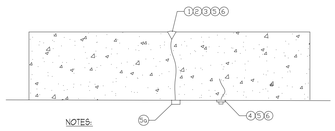
SURFACE REPAIR DETAIL (TYPICAL) 1
NOT TO SCALE

DEMOLITION PROCEDURE:

1. CONTRACTOR TO READ, UNDERSTAND AND FOLLOW ALL OF THE MANUFACTURES RECOMMENDATIONS FOR THE INSTALLATION OF REPAIR MATERIALS LISTED HEREIN.
2. INSTALL ANY REQUIRED SHORING PRIOR TO THE START OF ANY DEMOLITION. SHORING SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
3. CONTRACTOR TO INSPECT/ SOUND THE SUSPECTED DAMAGED CONCRETE AND REVIEW THE POTENTIAL REPAIRS LOCATIONS WITH THE ENGINEER PRIOR TO COMMENCEMENT DEMO.
4. PREPARE REPAIR AREA PER ICRI GUIDELINES # 310R. SAWCUT THE PERIMETER OF THE PROPOSED REPAIR AREA TO A MINIMUM DEPTH OF ¾"" WITHOUT DAMAGING THE REINFORCEMENT. THE SAWCUT AREA SHOULD BE GEOMETRICALLY EQUAL, IE. SQUARE.
5. REMOVE ALL LOOSE AND DELETERIOUS CONCRETE MATERIAL THAT ENCOMPASSES THE HONEYCOMB AREA WITHIN THE BEAM OR COLUMNS.
6. THE CONCRETE WITHIN THE REPAIR AREA SHALL BE PREPARED TO A MINIMUM OF C SP-6 SURFACE ROUGHNESS OR GREATER PRE THE REPAIR MORTAR SPECIFICATIONS.
7. ENGINEER OR OWNERS' REPRESENTATIVE TO INSPECT.

REPAIR PROCEDURE:

1. SAND BLAST EXISTING REINFORCING TO REMOVE CORROSION AND ALLOW OWNERS REPRESENTATIVE TO INSPECT AREA BEFORE CONTINUING TO THE NEXT STEP. IF REINFORCING HAS MORE THAN A 15% CROSS SECTIONAL AREA LOSS DUE TO CORROSION OR AT LOCATIONS DIRECTED BY THE OWNER'S REPRESENTATIVE, REINFORCING MUST BE SPLICED OR REPLACED. REBAR SPLICES SHALL EXTEND THE MINIMUM TENSION LAP DISTANCE FOR GIVEN REINFORCEMENT INTO CLEAN UNDAMAGED REINFORCEMENT. REINFORCEMENT TO BE GRADE 40 FOR BARS #3 AND SMALLER AND GRADE 60 FOR BARS #4 AND LAGER. IF NECESSARY, THE CONTRACTOR SHALL CHIP UNDER THE EXISTING REINFORCEMENT AND POSITIVELY HOLD DOUN THOUGH MECHANICAL MEANS TO ACHIEVE MINIMUM 1-½" COVER. MECHANICAL REBAR SPLICES ARE ACCEPTABLE. SEE SPEC FOR ADDITIONAL INFORMATION. IF REBAR LAP CANNOT BE OBTAINED, REBAR MAY BE DRILLED AND DOUELED A MINIMUM OF 8" INTO CLEANED UNDAMAGED CONCRETE W/ SIMPSON SET-XP EPOXY OR APPROVED EQUAL.
2. PRESSURE WASH REPAIR AREA (3000PSI MINIMUM) TO REMOVE ALL DUST OR LOOSE MATERIAL AND ALLOW TO DRY. OIL FREE COMPRESSED AIR MAY BE USED TO ACCELERATE THE DRYING PROCESS.
3. IF 1-1/2" CONCRETE COVER CANNOT BE OBTAINED AND AT LOCATIONS AS DIRECTED BY THE ENGINEER, INSTALL VECTOR XP/XPT ANODE (OR APPROVED EQUAL) PER MANUFACTURE SPECIFICATIONS AND RECOMMENDATIONS.
4. REPAIR SURFACE SHALL BE PREPARED TO BE SATURATED SURFACE DRY (SSD) WITH NO STANDING WATER.
5. AT VERTICAL OR OVERHEAD LOCATIONS INSTALL SIKA EMACO 425 (GEL PATCH) OR APPROVED EQUAL AT REPAIR AREA PER MANUFACTURER SPECIFICATIONS. REPAIR MATERIAL SHALL BE INSTALLED IN MAXIMUM LIFTS OF 2 INCHES.
6. AT MINOR HORIZONTAL REPAIRS INSTALL SIKA EMACO 1061 REPAIR MORTAR OR APPROVED EQUAL AT REPAIR AREA PER MANUFACTURER SPECIFICATIONS. REPAIR MATERIAL SHALL BE INSTALLED TO A MAXIMUM 2-INCH DEPTH.
7. AT FULL DEPTH REPAIR LOCATIONS COAT REPAIR AREA AND ALL EXPOSED STEEL REINFORCEMENT WITH BASF P-124 CORROSION INHIBITOR AND BONDING AGENT. FORM AND POUR REPAIR AREA WITH SIKA EMACO 440 MC POURABLE AND PUMPABLE FRE-EXTENDED SELF-CONSOLIDATING REPAIR MORTAR OR APPROVED EQUAL.
8. ALL REPAIR WORK SHALL BE FINISHED TO MATCH THE SURFACE LEVEL OF EXISTING CONDITIONS.



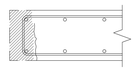
NOTES:

1. FOR HORIZONTAL CRACKS, ROUT CRACK TO MINIMUM OF 1/4" X 1/4".
2. REMOVE ANY DELETERIOUS MATERIAL.
3. CLEAN CRACK SURFACES W/ OIL FREE COMPRESSED AIR.
4. FILL CRACKS W/ BASF MASTERINJECT 1500 EPOXY SYSTEM OR APPROVED EQUAL, PER MANUFACTURE SPECIFICATIONS.
5. FOR OVERHEAD / VERTICAL CRACKS INSTALL INJECTION PORT CAP SEAL ALONG CRACK LENGTH. EPOXY SYSTEM AND SIKADUR CRACKFIX.

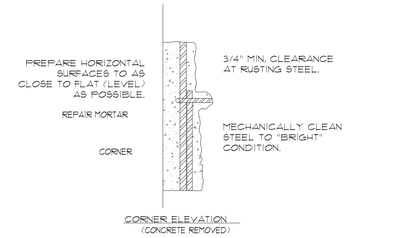
5a. CHEMCO SYSTEMS CC GROUT+ STRAP SEAL MAY BE USED AS AN ALTERNATIVE PRODUCT TO CAP SEAL.

6. EPOXY INJECT MECHANICALLY. FINISH TO MATCH EXISTING SURFACE PROFILE AND REMOVE EXCESS EPOXY AND INJECTION PORTS.

CONCRETE CRACK REPAIR 1/16" OR GREATER 2
NOT TO SCALE



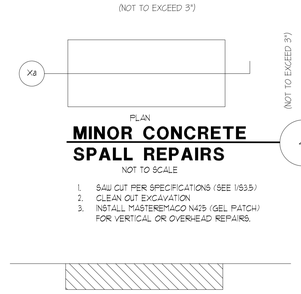
PANEL PLAN (TYPICAL) 3
NOT TO SCALE
* UNLESS TEMPORARILY SHORED, REPAIR AREA SHALL NOT EXCEED 20% OF THE CROSS SECTIONAL AREA OF THE COLUMN.



CORNER ELEVATION
(CONCRETE REMOVED)

PANEL REPAIR DETAIL (TYPICAL) 3a
NOT TO SCALE

CONSTRUCTION NOTES:
1. REMOVE ALL LOOSE CONCRETE FROM EXISTING COLUMN LEAVING A ROUGHENED SURFACE.
2. CLEAN ALL EXISTING COLUMN STEEL TO A RUST FREE CONDITION.
3. APPLY BONDING AGENT/ANTI-CORROSION COATING TO ALL SURFACES OF EXISTING STEEL.
4. APPLY REPAIR MORTAR PER MANUFACTURE'S INSTRUCTIONS.



MINOR CONCRETE SPALL REPAIRS 4
NOT TO SCALE

1. SAW CUT PER SPECIFICATIONS (SEE 1533.5)
2. CLEAN OUT EXCAVATION
3. INSTALL MASTEREMACO N425 (GEL PATCH) FOR VERTICAL OR OVERHEAD REPAIRS.

MINOR SPALL REPAIRS - SECTION 4a
NOT TO SCALE

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Revisions		Date
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Building Number	B1
Location	JAMES A. HALEY VA HOSPITAL
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Drawing Number	S3.5

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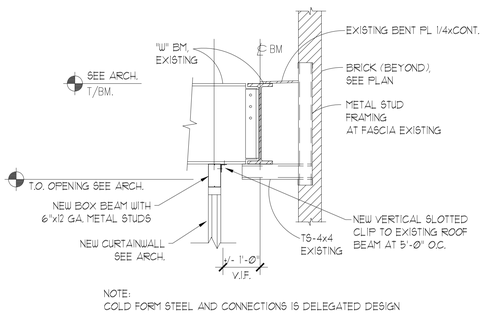
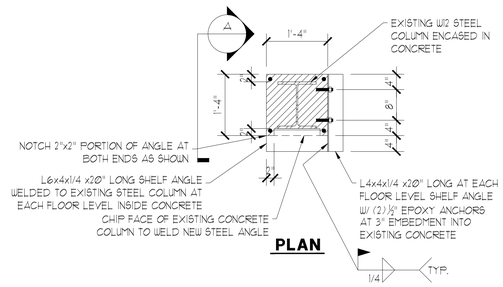


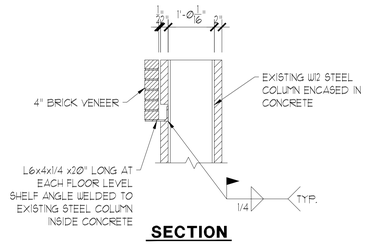
NOTE:
COLD FORM STEEL AND CONNECTIONS IS DELEGATED DESIGN

SECTION AT NEW CURTAINWALL AT ER BLDG.

1



PLAN

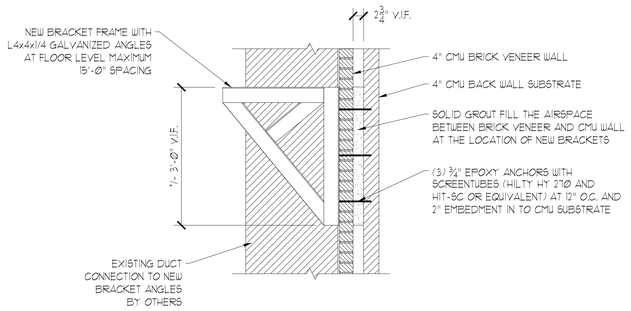


SECTION

MASONRY WALL CORNER REPAIR AT COLUMN

SCALE: 3/4" = 1'-Ø"

2



NEW DUCT BRACKET

SCALE: 3/4" = 1'-Ø"

3

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Phase: 100% BID DOCUMENTS

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Project Number: VA Project No. 673-21-116; RDC/JPA Project No. 22004.00

Building Number: B1

Location: JAMES A. HALEY VA HOSPITAL

Issue Date: 1/31/2025

Checked: C.G.

Drawn: GAP

Drawing Number: S3.6

VA FORM 08 - 6231

HVAC SYMBOL LEGEND

SYMBOL	DESCRIPTION
	CEILING DIFFUSER, ROUND NECK (CEILING DIFFUSERS ARE 4-WAY THROW UNO)
	CEILING RETURN
	CEILING EXHAUST
	CEILING DIFFUSER, RECTANGULAR OR SQUARE NECK (CEILING DIFFUSERS ARE 4-WAY THROW UNO)
	SUPPLY DIFFUSER OR GRILLE (VERTICAL MOUNT, SIDEWALL)
	RETURN / EXHAUST REGISTER OR GRILLE (VERTICAL MOUNT, SIDEWALL)
CO2	CARBON DIOXIDE SENSOR
T	THERMOSTAT / TEMPERATURE SENSOR
H	HUMIDISTAT / HUMIDITY SENSOR
	DUCT SMOKE DETECTOR
H	HUMIDITY SENSOR (DUCT MOUNTED)
CO2	CARBON DIOXIDE SENSOR (DUCT MOUNTED)
M	MOTORIZED CONTROL DAMPER
F	AIRFLOW SENSOR/STATION
T	TEMPERATURE SENSOR
SP	STATIC PRESSURE SENSOR
BD	BACKDRAFT DAMPER
	CEILING MOUNTED ACCESS DOOR

SYMBOL	DESCRIPTION
SD	SMOKE DAMPER (WITH ACCESS PANEL)
FD	FIRE DAMPER (WITH ACCESS PANEL)
MOD	MOTOR OPERATED CONTROL DAMPER (MOD)
MD	MANUAL BALANCING DAMPER
VD	DOOR GRILLE
UC	UNDERCUT DOOR
	ACCESS DOORS, VERTICAL OR HORIZONTAL
	FLEXIBLE CONNECTION
24x12	NEW DUCTWORK, FIRST DIMENSION IS SIDE SHOWN
UP DN	CHANGE OF ELEVATION
	DUCT ELBOW, SUPPLY OR OUTSIDE AIR
DOWN UP	DUCT ELBOW, EXHAUST AIR
	DUCT ELBOW, RETURN AIR
	FLEXIBLE DUCT

SYMBOL	DESCRIPTION
	TRANSITION, CONCENTRIC
	TRANSITION, ECCENTRIC
	TRANSITION, SQUARE TO ROUND
	SQUARE THROAT ELBOW W/ TURNING VANES
	RADIUS ELBOW
	RECTANGULAR / ROUND BRANCH TAKE-OFF OR ROUND / ROUND BRANCH TAKE-OFF
	SQUARE THROAT TEE W/ TURNING VANES
	RADIUS TEE
	RECTANGLE-TO-ROUND TAKE-OFF
	STANDARD BRANCH TAKE-OFF
	SPININ TAKE-OFF
EQUIPMENT	EQUIPMENT WITH MANUFACTURER'S CLEARANCE SHOWN IN DASHED LINES

HVAC ABBREVIATIONS

SYMBOL	DESCRIPTION
A/E	ARCHITECT / ENGINEER
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFR	ABOVE FINISHED ROOF
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APPROX	APPROXIMATE
ASTM	AMERICAN STANDARDS TESTING MATERIALS
BAS	BUILDING AUTOMATION SYSTEM
BOP	BOTTOM OF PIPE
BHP	BRAKE HORSEPOWER
BFV	BUTTERFLY VALVE
BTU	BRITISH THERMAL UNIT
CAV	CONSTANT AIR VOLUME
CD	CONDENSATE
CFM	CUBIC FEET PER MINUTE
CL	CENTER LINE
CO	CLEAN OUT
COR	CONTRACTING OFFICER'S REPRESENTATIVE
CT	COOLING TOWER
CU	CONDENSING UNIT
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DN	DOWN
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
ECC	ENGINEERING CONTROL CENTER
EER	ENERGY EFFICIENCY RATING
EQUIP	EQUIPMENT
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
EX	EXISTING
°F	DEGREES FAHRENHEIT
FAS	FIRE ALARM SYSTEM
FE	FLUE EXHAUST
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FT	FEET
GPM	GALLONS PER MINUTE
HP	HORSEPOWER
HR	HOUR
HZ	HERTZ
IPLV	INTEGRATED PART-LOAD VALUE
IN	INCHES
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LD	LINEAR DIFFUSER
LWT	LEAVING WATER TEMPERATURE

SYMBOL	DESCRIPTION
MAX	MAXIMUM
MBH	THOUSAND BTUs PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MIN	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
MOD	MOTORIZED CONTROL DAMPER
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
PH	PHASE
PRV	PRESSURE REDUCING VALVE
PRS	PRESSURE REDUCING STATION
PSI	POUNDS PER SQUARE INCH
PSIG	PSI GAUGE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
PVC	POLYVINYL CHLORIDE PIPE
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RHC	REHEAT COIL
RHP	ROOFTOP HEAT PUMP
RPM	REVOLUTIONS PER MINUTE
RSJL	REFRIGERANT SUCTION & LIQUID LINES
RTU	ROOFTOP AIR CONDITIONING UNIT
SA	SUPPLY AIR
SF	SQUARE FEET
SP	STATIC PRESSURE
SPEC	SPECIFICATION
SS	STAINLESS STEEL
STD	STANDARD
TA	TRANSFER AIR
TDH	TOTAL DYNAMIC HEAD
TEMP	TEMPERATURE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
U/G	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V/PH	VOTS/PHASE
VA	U.S. DEPARTMENT OF VETERANS AFFAIRS
VAV	VARIABLE AIR VOLUME
VFD	VARIABLE FREQUENCY DRIVE
VRF	VARIABLE REFRIGERANT FLOW
W	WATTS
W/	WITH
WB	WET BULB

GENERAL NOTES

1. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. PROVIDE COMPONENTS INDICATED IN DETAILS, RISER DIAGRAMS, CONTROL DIAGRAMS, AND/OR FLOW DIAGRAMS WHETHER OR NOT INDICATED ON PLANS AND VICE VERSA. WHERE A DISCREPANCY OR CONFLICT IS FOUND BETWEEN ONE DRAWING AND ANOTHER, OR BETWEEN A DRAWING AND APPLICABLE SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IN WRITTEN FORM. IN GENERAL, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS THE DISCREPANCY CONFLICTS WITH APPLICABLE CODES OR OWNER'S DESIGN STANDARDS, WHEREIN THE CODE OR OWNER'S DESIGN STANDARDS SHALL GOVERN.
2. CONNECTION TO EQUIPMENT SHALL BE VERIFIED WITH MANUFACTURER'S CERTIFIED DRAWINGS. TRANSITIONS TO ALL EQUIPMENT SHALL BE VERIFIED AND PROVIDED FOR EQUIPMENT FURNISHED.
3. DIMENSIONS SHALL BE FIELD-VERIFIED AND COORDINATED PRIOR TO PROCUREMENT OR FABRICATION. COORDINATE THE WORK WITH OTHER TRADES INVOLVED. FIELD MODIFICATIONS SUCH AS OFFSETS IN PIPING OR DUCTWORK (INCLUDING DIVIDED DUCTWORK) NEEDED DUE TO OBSTRUCTIONS OR INTERFERENCES SHALL BE PROVIDED AT NO ADDITIONAL COST.
4. DUCT CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE SMACNA HVAC DUCT CONSTRUCTION STANDARD.
5. INSTALL ALL FIRE DAMPERS, SMOKE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS IN ACCORDANCE WITH MANUFACTURE'S INSTALLATION DIRECTIONS. PROVIDE ACCESS DOORS TO ALLOW COMPLETE INSPECTION AND MAINTENANCE OF ALL DEVICES.
6. DUCT SIZES AND ALL OPENINGS THROUGH BUILDING CONSTRUCTION SHALL SUIT EQUIPMENT FURNISHED.
7. ALL EQUIPMENT, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED AND/OR SPECIFIED. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED TO PROVIDE A VIBRATION-FREE, RIGID INSTALLATION.
8. ALL DUCT SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS.
9. SLEEVE AND SEAL ALL PIPING PENETRATIONS THROUGH BUILDING PARTITIONS.
10. LOCATE ALL OUTSIDE AIR INTAKES A MINIMUM OF 25'-0" CLEAR FROM ALL PLUMBING VENTS AND EXHAUST AIR DISCHARGE LOCATIONS. LOWEST POINT OF EACH OUTSIDE AIR INTAKE ON ROOF SHALL BE A MINIMUM OF 24" ABOVE ROOF.

PIPING LEGEND

SYMBOL	DESCRIPTION
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
CD	CONDENSATE
R	REFRIGERANT LIQUID AND SUCTION LINES
	FLOW DIRECTION
	FLANGES
	UNION
	PIPE ANCHORS
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	AUTOMATIC AIR VENT
	MANUAL VENT
FM	FLOW METER
	INLINE PUMP
	CAP
	HOSE CONNECTION
	ANGLE GLOBE VALVE
	RELIEF VALVE
	THERMOMETER
	PRESSURE GAUGE WITH SHUTOFF
	TEST PLUG (PRESSURE/TEMPERATURE)
	FLOW SWITCH
	PRESSURE SWITCH
EQUIP.	P-TRAP
	ELBOW, 90°
	ELBOW, 45°
R R	45° PIPE RISE (R)/DROP (D)

SYMBOL	DESCRIPTION
	BALL VALVE
	GATE VALVE
	GLOBE VALVE
	BUTTERFLY VALVE
	THREE-WAY VALVE
	CHECK VALVE
	STRAINER
	CIRCUIT SETTER VALVE
	PRESSURE REGULATING VALVE
	MOTORIZED ACTUATOR
	SOLENOID VALVE (2-POSTION W/ ACTUATOR)
	ELBOW, TURNED DOWN
	ELBOW, TURNED UP
	TEE, OUTLET DOWN
	TEE, OUTLET UP
	TEE, SIDE CONNECTION
	FLEX CONNECTION (DOUBLE SPHERE FOR PIPES 6" AND LARGER; SINGLE SPHERE FOR PIPES 4" AND SMALLER
	PNEUMATIC ACTUATOR

CONTROLS LEGEND

SYMBOL	DESCRIPTION
A	ALARM
	TEMPERATURE SENSOR
	RELATIVE HUMIDITY SENSOR
	PUSH-BUTTON OVERRIDE SWITCH
	PRESSURE SENSOR
	HARD-WIRED INTERLOCK
	DRY CONTACT
CS	CURRENT SENSING STATUS
	STARTER
S	DUCT SMOKE DETECTOR
	IMMERSION TEMPERATURE TRANSMITTER W/ THERMOWELL
	EMERGENCY PUSHBUTTON
CO2	SPACE CARBON DIOXIDE SENSOR
R	REFRIGERANT SENSOR
H	SPACE HUMIDISTAT / HUMIDITY SENSOR
T	SPACE THERMOSTAT SENSOR
P	SPACE PRESSURE SENSOR
	DUCT MOUNTED TEMPERATURE SENSOR
F	AIR FLOW SENSOR
	INDICATES AVERAGING ELEMENT SENSOR
	INDICATES PROBE SENSOR
	MAGNEHELIC DIFFERENTIAL PRESSURE GAUGE
24VAC	ACTUATOR W / 24VAC OR 120VAC AS INDICATED
24VAC	TWO POSITION VALVE W / 24VAC OR 120VAC AS INDICATED

SYMBOL	DESCRIPTION
DPIT	DIFF. PRESSURE INDICATING TRANSMITTER
VFD	VARIABLE FREQUENCY DRIVE
PT	PARTICULATE TRANSMITTER
	OPPOSED BLADE DAMPER
	PARALLEL BLADE DAMPER
AFSX	AIRFLOW SENSOR
CO2X	CARBON DIOXIDE SENSOR
CTX	CONDUCTIVITY TRANSMITTER
DX	DAMPER
DPSX	DIFFERENTIAL PRESSURE SENSOR
ECCX	ENGINEERING CONTROL CENTER
FTX	FLOW TRANSMITTER
HX	HUMIDITY TRANSMITTER
HOA	HAND SWITCH (HAND-OFF-AUTO SWITCH)
ITX	CURRENT TRANSMITTER
LCX	LEVEL CONTROLLER
LTX	LEVEL TRANSMITTER
PTX	PRESSURE TRANSMITTER
PDTX	PRESSURE DIFFERENTIAL TRANSMITTER
SPSX	STATIC PRESSURE SWITCH
TTX	TEMPERATURE TRANSMITTER
TSX	TEMPERATURE SWITCH (FREEZESTAT)
VCX	VALVE POSITION CONTROLLER
WFMX	WATER FLOW METER
WFSX	WATER FLOW SWITCH DIGITAL

DRAWING SYMBOLS

- 1 / H1 — VIEW NUMBER / SHEET NUMBER
- A / H1 — SECTION LETTER / DRAWING NUMBER WHERE SHOWN
- 1 — REVISION REFERENCE
- 1 — SHEET NOTE CALLOUT
- CONNECT TO EXISTING
- DEMOLISH TO POINT INDICATED
- BUILDING NO. WHERE EQUIPMENT IS LOCATED.
- EQUIPMENT ABBREVIATION. AN "EX" SHOWN IN FRONT OF EQUIPMENT TAGS NOTIFIES THAT EQUIPMENT IS EXISTING.
- LEVEL EQUIPMENT LOCATED ON / LEVEL IT SERVES
- 2-AHU-3-1 — AHU NUMBER
- TYPICAL UNIT NUMBER; AHU NO. 1, LOCATED ON LEVEL 3, LOCATED IN BLDG. 2
- BUILDING NO. WHERE EQUIPMENT IS LOCATED
- ITEM (TERMINAL UNIT SHOWN)
- SERVED BY AIR HANDLER UNIT NUMBER
- 26-TU-1-5 — ITEM NUMBER
- TYPICAL UNIT NUMBER; TU NO. 5, SERVED BY AHU NO. 1, LOCATED IN BLDG. 26
- DEVICE MARK AND NUMBER (S = SUPPLY, R = RETURN, E = EXHAUST)
- S1 200 — DEVICE FLOW RATE (CFM)
- TYPICAL AIR DISTRIBUTION DEVICE TAG
- 12X10 SA — INTERIOR DUCT DIMENSIONS IN INCHES. FIRST DIMENSION IS SIDE SHOWN. SYSTEM TYPE (SA = SUPPLY AIR , RA = RETURN AIR, OA = OUTSIDE AIR, EA = EXHAUST AIR, SS EA = STAINLESSSTEEL EXHAUST)
- TYPICAL DUCTWORK TAG

BASIC MATERIALS

- EXISTING TO BE REMOVED (HEAVY, DASHED LINE)
- EXISTING TO REMAIN (THIN, HALFTONED, SOLID LINE)
- NEW (HEAVY, SOLID LINE)

APPLICABLE CODES

1. VA HVAC DESIGN MANUAL (HVACDM) REV. MARCH 1, 2024
2. VA SEISMIC DESIGN REQUIREMENTS (SDR, H-18-8) 2023 EDITION
3. VA SUSTAINABLE DESIGN MANUAL (SDM) REV. AUGUST 18, 2017
4. FLORIDA BUILDING CODE: CONFORM IN STRICT COMPLIANCE TO THE FLORIDA BUILDING CODE (FBC) AND THE AMENDMENTS WHICH ARE ENFORCED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
   A. FLORIDA BUILDING CODE: MECHANICAL (FMC) 2023 EDITION
   B. FLORIDA BUILDING CODE: PLUMBING (FPC) 2023 EDITION
   C. FLORIDA BUILDING CODE: FUEL GAS (FFGC) 2023 EDITION
   D. FLORIDA BUILDING CODE: ENERGY CONSERVATION (FECC) 2023 EDITION
5. NATIONAL INSTITUTES OF HEALTH (NIH) DESIGN REQUIREMENTS MANUAL 2020 EDITION
6. FLORIDA FIRE MARSHALL'S RULE CHAPTER 69A3.012
7. FLORIDA ADMINISTRATIVE CODE RULE CHAPTER 69A40
8. AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE):
   A. VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY (ASHRAE 62.1) 2022 EDITION
   B. ENERGY STANDARD FOR BUILDINGS (ASHRAE 90.1) 2022 EDITION
   C. VENTILATION OF HEALTH CARE FACILITIES (ASHRAE 170) 2021 EDITION
9. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA):
   A. NATIONAL ELECTRICAL CODE (NEC) 2023 EDITION
   B. NATIONAL FIRE ALARM CODE (NFPA 72) 2022 EDITION
   C. STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS (NFPA 90A) 2021 EDITION
   D. HEALTH CARE FACILITIES CODE (NFPA 99) 2021 EDITION
   E. LIFE SAFETY CODE (NFPA 101) 2021 EDITION
   F. FLORIDA NOTIFICATION: COMPLY WITH ALL OF THE REQUIREMENTS OF THE FEDERAL "RIGHTTOKNOW" REGULATIONS AND THE FLORIDA "RIGHTTOKNOW" LAW AND PROVIDE NOTIFICATION TO ALL PARTIES CONCERNED AS TO THE USE OF TOXIC SUBSTANCES.
10. APPLICABLE PUBLICATIONS INCLUDING BUT NOT LIMITED TO:
    A. ARCHITECTURAL BARRIERS ACT ACCESSIBILITY STANDARD (ABAAS)
    B. AMERICANS WITH DISABILITIES ACT (ADA)
    C. AIR-CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE (AHRI)
    D. AIR MOVEMENT AND CONTROL ASSOCIATION (AMCA)
    E. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI)
    F. ASSOCIATION FOR RUBBER PRODUCTS MANUFACTURERS (ARPM)
    G. AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM)
    H. MANUFACTURERS STANDARDIZATION SOCIETY OF THE VALVE AND FITTINGS INDUSTRY, INC. (MSS)
    I. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
    J. SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION (SMACNA)
11. APPLICABLE STANDARDS, REGULATIONS, AND PRACTICES OF THE OWNER

SHEET LIST

SHEET NUMBER	SHEET NAME
M-001	MECHANICAL NOTES, LEGENDS, & SYMBOLS
M-201	MECHANICAL ELEVATIONS
M-202	MECHANICAL ELEVATIONS

NOTE: SOME SYMBOLS AND ABBREVIATIONS SHOWN MAY NOT PERTAIN TO THIS PROJECT

Revisions	Date

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2014-2024 10TH ANNIVERSARY Above Group ENGINEERING | DESIGN | CONSULTING — SDVOSB

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	MECHANICAL NOTES, LEGENDS, & SYMBOLS
Phase	100% BID DOCUMENTS
Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 AG Project No. 0123041
Building Number	B1
Approved:	STATION CHIEF - MICHAEL ROGALA
	FULLY SPRINKLERED
Location	TAMPA, FLORIDA
Issue Date	01/31/25
Checked	CNB
Drawn	DTG
Drawing Number	M-001

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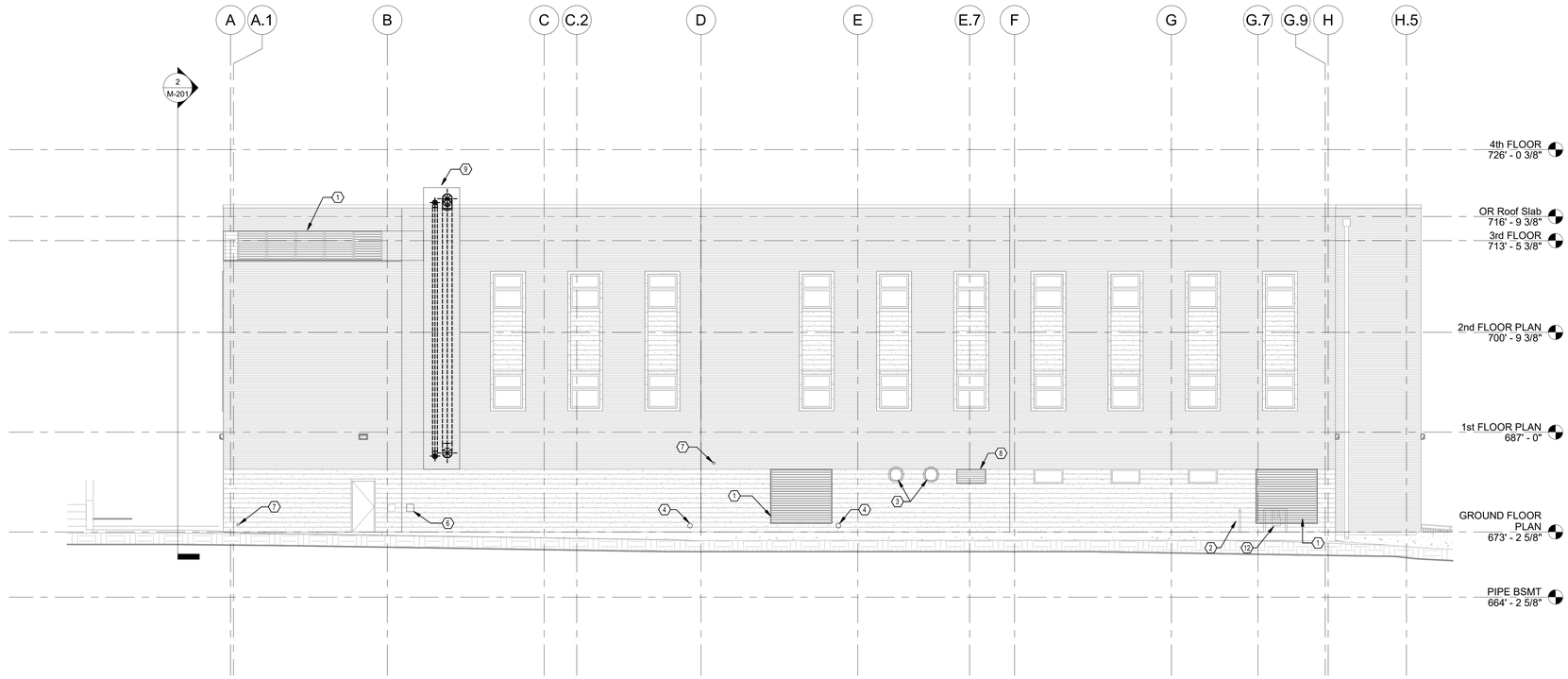
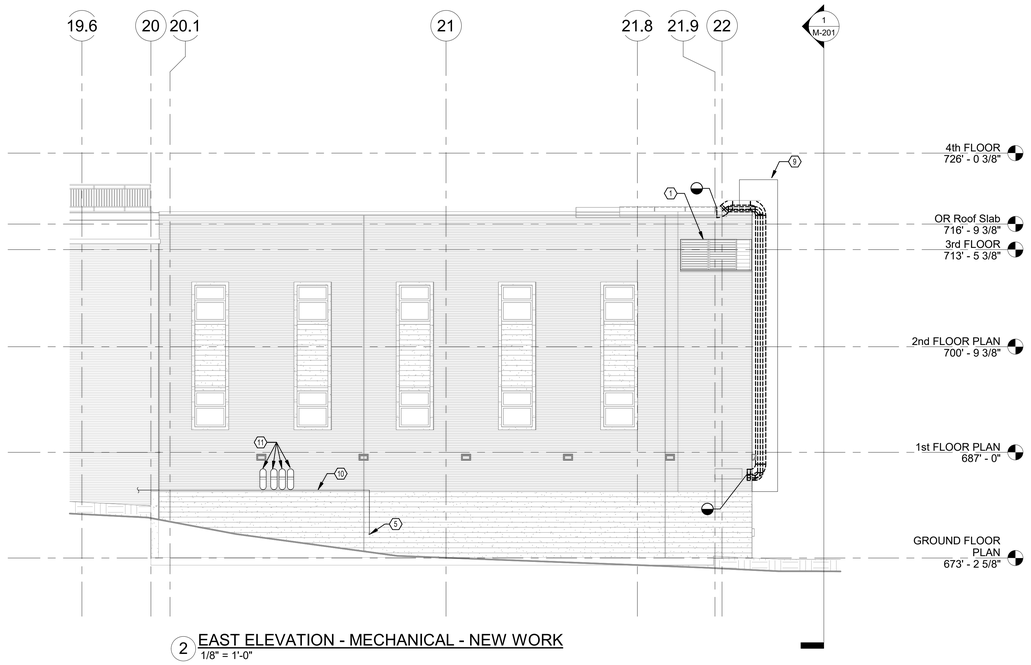


1 NORTH ELEVATION - MECHANICAL - NEW WORK
1/8" = 1'-0"



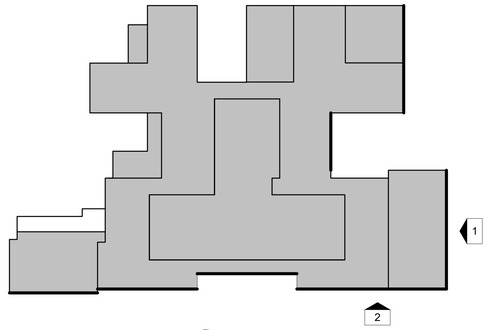
2 EAST ELEVATION - MECHANICAL - NEW WORK
1/8" = 1'-0"

DRAWING NOTES:

1. PROVIDE PROTECTION FOR EXISTING TO REMAIN EQUIPMENT INSIDE CONSTRUCTION ZONE DURING CONSTRUCTION.
2. REMOVE UTILITIES ATTACHED TO EXTERIOR OF WALL AND PENETRATING ENVELOPE TO FACILITATE BRICK REPLACEMENT. PHASE WORK TO REMOVE AND REINSTALL ITEMS IN THE SAME DAY, TO AVOID DISRUPTION TO BUILDING SERVICES, ESPECIALLY FIRE SAFETY ITEMS.

CODED NOTES:

1. PROTECT EXISTING LOUVERS IN PLACE DURING CONSTRUCTION. INSTALL ADDITIONAL FILTERS AS NECESSARY. REPLACE PRE-FILTERS OF THE ASSOCIATED AIR HANDLING UNIT AT END OF CONSTRUCTION
2. EXISTING VENT PIPING TO REMAIN. DETACH VENT PIPING FROM ENVELOPE FOR ENVELOPE REPLACEMENT, AND REATTACH ANCHORS TO NEW ENVELOPE.
3. EXISTING EXHAUST FANS SERVE SPS CART WASHERS. COORDINATE SHUTDOWN OF FANS WITH VA COR AND SPS CHIEF PRIOR TO SHUTDOWN. COR AND SPS CHIEF SHALL BE INFORMED A MINIMUM OF 4-WEEKS PRIOR TO SHUTDOWN. REMOVE FANS FOR INTEGRATION WITH EXTERIOR ENVELOPE REPLACEMENT. RE-INSTALL FANS IN NEW WORK PHASE. REPLACE ALL ASSOCIATED ANCHORS AND BOLTS ATTACHING FANS TO BUILDING ENVELOPE/STRUCTURE. WORK SHALL BE STAGED TO MINIMIZE DEPARTMENT SHUTDOWN TIMES.
4. REMOVE EXISTING DOWNSPOUT NOZZLE FROM EXTERIOR ENVELOPE REPLACEMENT. REINSTALL DOWNSPOUT NOZZLE ON NEW ENVELOPE. PROVIDE NEW ANCHORS AND BOLTS ATTACHING DOWNSPOUT NOZZLE TO BUILDING ENVELOPE.
5. COORDINATE HOSEBIB PENETRATION REQUIREMENTS WITH NEW EXTERIOR ENVELOPE REPLACEMENT.
6. PROVIDE NEW FLASHING AROUND EXISTING FDC. COORDINATE FDC PENETRATION REQUIREMENTS WITH NEW EXTERIOR ENVELOPE REPLACEMENT. FDC SHALL REMAIN ACTIVE AND UNINHIBITED DURING CONSTRUCTION. REINSTALL FDC SIGNAGE ON NEW ENVELOPE.
7. PROVIDE NEW FLASHING AROUND EXISTING PIPING. COORDINATE PIPING PENETRATION REQUIREMENTS WITH NEW EXTERIOR ENVELOPE REPLACEMENT.
8. PROTECT EXISTING LOUVERS IN PLACE DURING CONSTRUCTION.
9. REMOVE ALL ABANDONED PIPING AND DUCTWORK FROM THE WALL PENETRATION ABOVE THE GROUND FLOOR LEVEL TO THE ROOF LEVEL BEHIND THE EXISTING PARAPET WALL, AS SHOWN. ROOFTOP EQUIPMENT, DUCTWORK, AND PIPING TO REMAIN ABANDONED ON ROOF. CAP DUCTWORK AT THE WALL PENETRATION AND PREPARE THE DUCT TO BE COVERED BY THE NEW BRICK FACADE. CAP THE DUCTWORK REMAINING ON THE ROOF.
10. EXISTING PIPING FROM HOSEBIB TO REMAIN. SUPPORT PIPING TO NEW TO BUILDING ENVELOPE.
11. PROVIDE NEW FLASHING AROUND EXISTING PIPING. COORDINATE PIPING PENETRATION REQUIREMENTS WITH NEW EXTERIOR ENVELOPE REPLACEMENT. PROVIDE PROPER PPE FOR WORKERS WORKING AROUND STEAM PIPING.
12. GAS METER TO REMAIN IN PLACE DURING CONSTRUCTION. PROVIDE ADEQUATE PROTECTION AROUND METER AND PIPING.



N KEY PLAN
N.T.S.

0 4' 8' 16' 24'
1/8" = 1'-0"

1	DESIGN DEVELOPMENT 15%	05/10/2022
2	DESIGN DEVELOPMENT 30%	09/14/2022
Revisions		Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: MECHANICAL ELEVATIONS	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; AG Project No. 0123041
			Building Number: B1
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Drawing Number: M-201
		Issue Date: 01/31/25 · Checked: CNB · Drawn: DTG	

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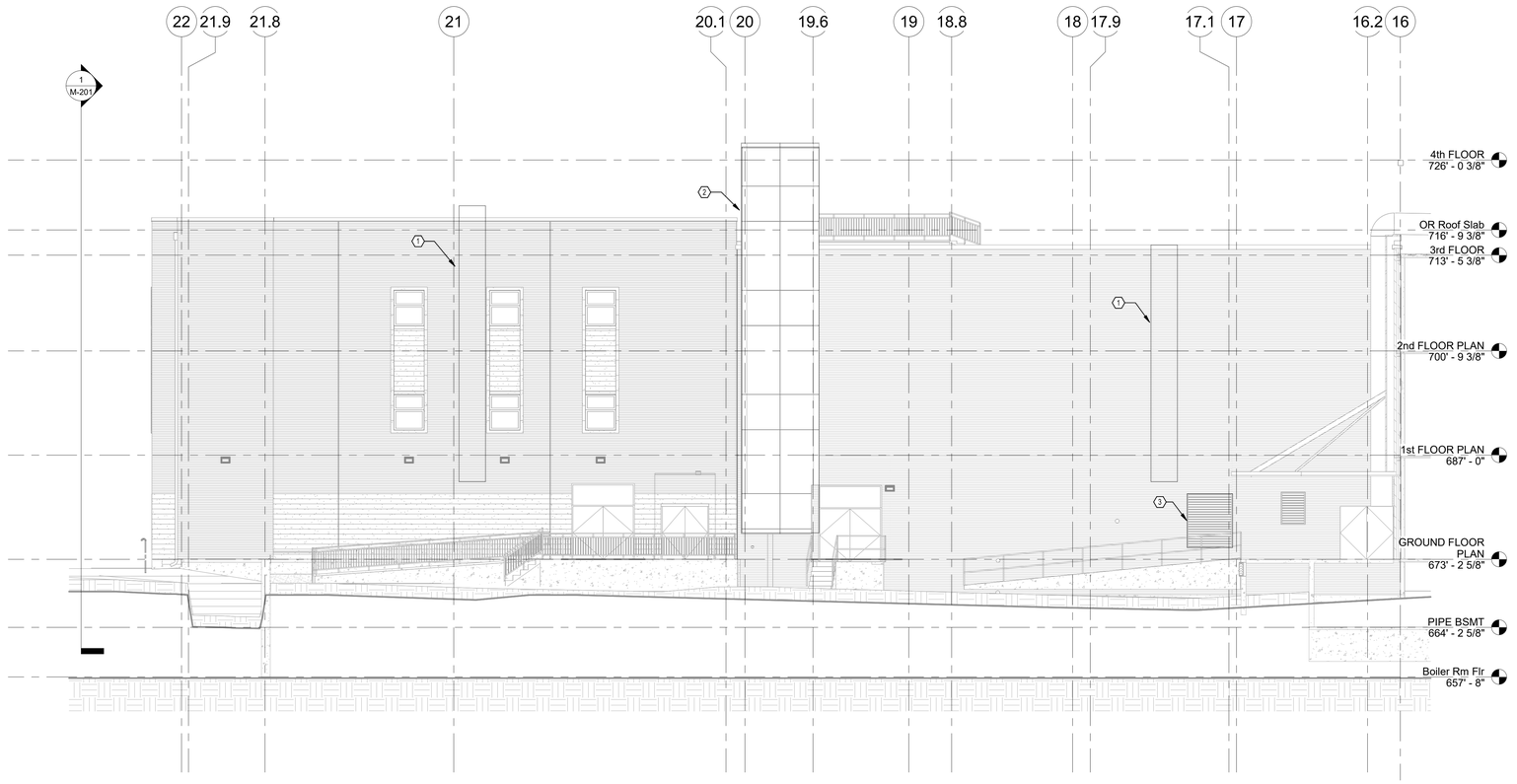


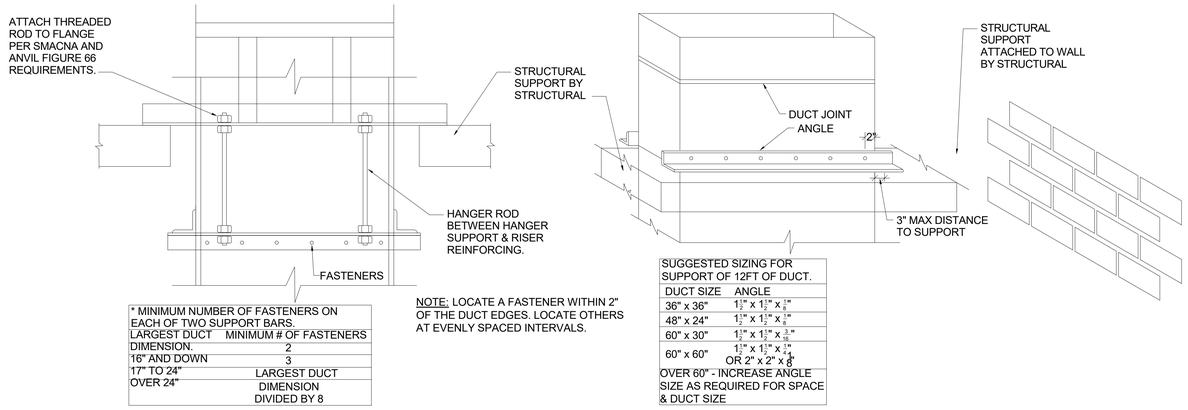
1 WEST ELEVATION - MECHANICAL - NEW WORK
1/8" = 1'-0"

DRAWING NOTES:

1. PROVIDE PROTECTION FOR EXISTING TO REMAIN EQUIPMENT INSIDE CONSTRUCTION ZONE DURING CONSTRUCTION.

CODED NOTES:

1. EXISTING METAL PIPING CHASE TO BE REMOVED BY OTHERS. REMOVE ALL ABANDONED PIPING AND IN CHASE.
2. EXISTING DUCTWORK TO REMAIN. REMOVE EXISTING ANGLE BRACKETS. PROVIDE NEW ANGLE BRACKET SUPPORTS ATTACHED TO STRUCTURAL SUPPORTS. STRUCTURAL SUPPORTS PROVIDED AND ATTACHED TO BUILDING BY STRUCTURAL. SUPPORT ADDITIONAL ANGLE SUPPORTS ON DUCTWORK WITH ANGLED THREADED ROD. SEE DETAIL 2/M-202. COORDINATE PROPER PHASING OF SUPPORT INSTALLATION WITH STRUCTURAL ENGINEER PRIOR TO START OF CONSTRUCTION TO ENSURE DUCT REMAINS OPERATIONAL DURING CONSTRUCTION.
3. PROTECT EXISTING LOUVERS IN PLACE DURING CONSTRUCTION. INSTALL ADDITIONAL FILTERS AS NECESSARY. REPLACE PRE-FILTERS OF THE ASSOCIATED AIR HANDLING UNIT AT END OF CONSTRUCTION

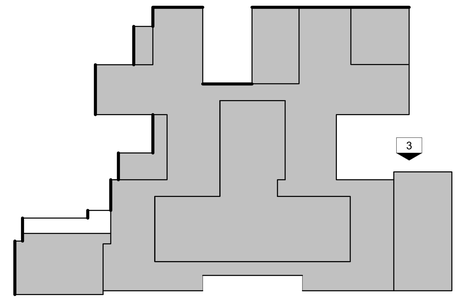


* MINIMUM NUMBER OF FASTENERS ON EACH OF TWO SUPPORT BARS.	
LARGEST DUCT DIMENSION.	MINIMUM # OF FASTENERS
16" AND DOWN	2
17" TO 24"	3
OVER 24"	LARGEST DUCT DIMENSION DIVIDED BY 8

NOTE: LOCATE A FASTENER WITHIN 2" OF THE DUCT EDGES. LOCATE OTHERS AT EVENLY SPACED INTERVALS.

SUGGESTED SIZING FOR SUPPORT OF 12FT OF DUCT.	
DUCT SIZE	ANGLE
36" x 36"	$1\frac{1}{2}$" x $1\frac{1}{2}$" x $\frac{1}{8}$"
48" x 24"	$1\frac{1}{2}$" x $1\frac{1}{2}$" x $\frac{1}{8}$"
60" x 30"	$1\frac{1}{2}$" x $1\frac{1}{2}$" x $\frac{3}{16}$"
60" x 60"	$1\frac{1}{2}$" x $1\frac{1}{2}$" x $\frac{1}{4}$" OR 2" x 2" x $\frac{1}{8}$"
OVER 60" - INCREASE ANGLE SIZE AS REQUIRED FOR SPACE & DUCT SIZE	

2 VERTICAL DUCT SUPPORT FROM STRUCTURAL SUPPORT DETAIL
N.T.S.



N KEY PLAN
N.T.S.

0 4' 8' 16' 24'
1/8" = 1'-0"

Revisions		Date
1	DESIGN DEVELOPMENT 15%	05/10/2022
2	DESIGN DEVELOPMENT 30%	09/14/2022

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title	MECHANICAL ELEVATIONS
Phase	100% BID DOCUMENTS
Approved:	STATION CHIEF - MICHAEL ROGALA
	FULLY SPRINKLERED

Project Title	RESTORATION OF BUILDING 1 ENVELOPE
Project Number	VA Project No. 673-21-116 AG Project No. 0123041
Building Number	B1
Location	TAMPA, FLORIDA
Drawing Number	M-202
Issue Date	01/31/25
Checked	CNB
Drawn	DTG

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VA FORM 08 - 6231

ELECTRICAL SYMBOLS - POWER/LIGHTING PLANS

DRAWING SYMBOLS

- VIEW NUMBER / SHEET NUMBER
- SECTION LETTER / DRAWING NUMBER WHERE SHOWN
- REVISION REFERENCE
- SHEET NOTE CALLOUT

BASIC MATERIALS

- EXISTING TO BE REMOVED (HEAVY, DASHED LINE)
- EXISTING TO REMAIN (THIN, HALFTONED, SOLID LINE)
- NEW (HEAVY, SOLID LINE)

S# SWITCH (# SUBSCRIPT AS INDICATED BELOW) - SEE PLANS AND SPECIFICATIONS FOR DETAILS

BLANK = SINGLE POLE	2 = DOUBLE POLE
3 = THREE-WAY	4 = FOUR-WAY
D = DIMMER	K = KEY OPERATED
F = FAN SWITCH	P = WITH PILOT LIGHT
LV= LOW VOLTAGE - SEE BELOW FOR DETAILS	RC= REMOTE CONTROL
T = TIMER OPERATED	WP= WEATHER PROOF
M = MANUAL MOTOR STARTING	OS= DUAL TECHNOLOGY OCCUPANCY SENSOR
MP= MOTOR SNAP WITH PILOT LIGHT (THERMAL TYPE)	a= SUBSCRIPT DEFINES FIXTURES THAT ARE CONTROLLED BY SWITCH
E= SWITCH ON EMERGENCY CIRCUIT (RED DEVICE)	X= EXPLOSION PROOF
	HOA= HAND/OFF/AUTOMATIC

S LV2Dab — LOW VOLTAGE SWITCH - SEE PLANS, SPECIFICATIONS AND WIRING DIAGRAMS FOR DETAILS

- SUBSCRIPT(S) INDICATE FIXTURES CONTROLLED
- 'D' INDICATES 0-10V DIMMING
- '2' INDICATES NUMBER OF LOW VOLTAGE ZONES
- 'LV' INDICATES LOW VOLTAGE SWITCH

A / 2 a — LED FIXTURE, RECESSED, PENDANT OR SURFACE CEILING

- FIXTURE TYPE
- LOWER CASE LETTER INDICATES CONTROLLING SWITCH
- CIRCUIT NUMBER

SYMBOL	DESCRIPTION
	SWITCHBOARD/ SWITCHGEAR/ DISTRIBUTION PANEL - OVER 250 VOLTS
	SWITCHBOARD/ SWITCHGEAR/ DISTRIBUTION PANEL, UNDER 250 VOLTS
	BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD, OVER 250 VOLTS, FLUSH MOUNTED
	BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, SURFACE MOUNTED
	BRANCH CIRCUIT PANELBOARD, UNDER 250 VOLTS, FLUSH MOUNTED
T	TRANSFORMER, PLAN
	DISCONNECT SWITCH, FUSED
	DISCONNECT SWITCH, UNFUSED
	RECEPTACLE, DUPLEX SUBSCRIPTS (TYPICAL FOR ALL RECEPTACLES): G = GFCI TYPE T = TAMPER RESISTANT CH = MOUNTED AT COUNTER HEIGHT WITH BOTTOM OF DEVICE AT 6" ABOVE COUNTER OR 2" ABOVE BACKSPLASH OR AS NOTED ON PLANS IG = ISOLATED GROUND (ORANGE DEVICE) TV = RECEPTACLE MOUNTED ADJACENT TO TV OUTLET USB = DUPLEX RECEPTACLE WITH (1) USB TYPE 'A' AND (1) USB TYPE 'C' WP = DEVICE PROVIDED WITH WEATHERPROOF IN-USE METAL COVER EWC = DENOTES DEVICE FOR ELECTRIC WATER COOLER - COORDINATE WITH EWC INSTALLER FOR MOUNTING HEIGHT RC = RECEPTACLE CONTROLLED PER IECC (2021); PROVIDE POWER PACK FOR RECEPTACLE CIRCUIT, TO BE CONTROLLED THROUGH LOCAL ROOM OCCUPANCY SENSOR(S); PROVIDE DEVICE WITH BLUE DOT OR UNIVERSAL POWER SYMBOL a = LOWER CASE LETTER INDICATES RELAY POWER PACK FOR RECEPTACLE CONTROL S = SWITCHED RECEPTACLE
	RECEPTACLE, DOUBLE DUPLEX (QUADRAPLEX)

ELECTRICAL ONE-LINE

SYMBOL	DESCRIPTION
	TRANSFORMER, ONE-LINE
## / ABC	PANELBOARD MAIN CIRCUIT BREAKER TYPE, ONE-LINE ### - INDICATES BREAKER RATING ABC - INDICATES PANEL DESIGNATION
## / ABC	PANELBOARD MAIN LUG TYPE, ONE-LINE ### - INDICATES BUS RATING ABC - INDICATES PANEL DESIGNATION
###A	CIRCUIT BREAKER ### - INDICATES BREAKER RATING
###A	BRANCH CIRCUIT BREAKER ### - INDICATES BREAKER RATING
Name 100A	TRANSFER SWITCH, ONE-LINE
GND	GROUND BUS BAR
	EARTH GROUND
SPD	SURGE PROTECTIVE DEVICE

LIGHTNING PROTECTION SYSTEM

- TEE SPLICE
- FOUR-WAY SPLICE
- BONDING PLATE
- AIR TERMINAL; PROVIDE PARAPET TYPE BASE WHERE MOUNTED ON PARAPET; PROVIDE FLAT BASE FOR MECHANICAL EQUIPMENT OR ROOF PERIMETER WITH NO PARAPET; PROVIDE BLUNT TIP WHERE MOUNTED ON INTERIOR OF ROOF, UNLESS OTHERWISE NOTED ON LIGHTNING PROTECTION PLANS
- GROUND TERMINAL
- DN — DOWN CONDUCTOR
- DN — THRU-ROOF CONDUCTOR

ELECTRICAL ABBREVIATIONS

ABBR.	DESCRIPTION
1PH	SINGLE-PHASE
3PH	THREE-PHASE
4W	FOUR-WIRE
A/E	ARCHITECT/ENGINEER
AF	AMPERE FRAME OR AMP FUSE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERE INTERRUPTING CAPACITY
ALT	ALTERNATE
AMP	AMPERE
ASC	AMPS SHORT CIRCUIT
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AV	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT
CAT	CATALOG
CATV	COMMUNITY ANTENNA TELEVISION
CCTV	CLOSED CIRCUIT TELEVISION
cd	CANDELA
CD	CONSTRUCTION DOCUMENTS
CKT	CIRCUIT
CLG	CEILING
COAX	COAX CABLE
COMM	COMMUNICATION
CONC	CONCRETE
CONT	CONTINUE
COORD	COORDINATE
CRI	COLOR RENDERING INDEX
CT	CURRENT TRANSFORMER
CU	COPPER
DB	DECIBEL OR DIRECT BURIAL
DC	DIRECT CURRENT
DEG C	DEGREES CELSIUS
DEG F	DEGREES FAHRENHEIT
DEMO	DEMOLITION
DISC	DISCONNECT
DN	DOWN
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DS	DISCONNECT SWITCH
DWG	DRAWING
ELEC	ELECTRIC OR ELECTRICAL
ELEV	ELEVATOR
EMT	ELECTRICAL METALLIC TUBING
ENCL	ENCLOSURE
EPO	EMERGENCY POWER OFF
ESMT	EASEMENT
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
ETR	EXISTING TO REMAIN

ABBR.	DESCRIPTION
FA	FIRE ALARM
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FLA	FULL LOAD AMPS
FP	FIRE PROTECTION
FT	FEET OR FOOT
GND	GROUND
G OR GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GTB	GROUND TERMINAL BOX
HD	HEAT DETECTOR
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HZ	HERTZ
IESNA	ILLUMINATION ENGINEERING SOCIETY OF NORTH AMERICA
IMC	INTERMEDIATE METAL CONDUIT
IR	INFRARED
IWH	INSTANTANEOUS WATER HEATER
J-BOX	JUNCTION BOX
KCMIL	ONE-THOUSAND CIRCULAR MILS
kV	KILOVOLT
kVA	KILOVOLT AMPERE
kVAH	KILOVOLT AMPERE PER HOUR
kVAR	KILOVOLT AMPERE REACTIVE
kW	KILOWATT
kWH	KILOWATT HOUR
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET (FOOT)
LM	LUMEN
LP	LIGHT POLE
LRA	LOCKED ROTOR AMPS
LTG	LIGHTING
LV	LOW VOLTAGE
MAX	MAXIMUM
MC	METAL-CLAD
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MH	MANHOLE
MIN	MINIMUM
MOCP	MAXIMUM OVERCURRENT PROTECTION
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
MVA	MEGAVOLT-AMPERE
MW	MEGAWATT MICROWAVE
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

ABBR.	DESCRIPTION
NEUT OR N	NEUTRAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NS	NO SCALE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OL	OVERLOAD
P	POLE
PA	PUBLIC ADDRESS
PCB	POLYCHLORINATED BIPHENYL
PH	PHASE
PNL	PANEL
POD	POWER OPERATED DAMPER
PVC	POLYVINYL CHLORIDE (PLASTIC)
PWR	POWER
RCP	REFLECTED CEILING PLAN
RGS	RIGID GALVANIZED STEEL
RM	ROOM
RMS	ROOT MEAN SQUARE
REQD	REQUIRED
SCC	SHORT CIRCUIT CAPACITY
SD	SMOKE DETECTOR
SF	SQUARE FOOT (FEET)
SI	INTERNATIONAL SYSTEM OF UNITS
SPEC	SPECIFICATION
SPST	SINGLE POLE, SINGLE THROW
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TEL	TELEPHONE
TP	TWISTED PAIR
TPS	TWISTED PAIR SHIELDED
TTB	TELEPHONE TERMINAL BOARD
TV	TELEVISION
TYP	TYPICAL
UGND	UNDERGROUND
UL	UNDERWRITERS LABORATORY
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT AMPERE
VAR	VOLT AMPERE REACTIVE
VFD	VARIABLE FREQUENCY DRIVE
VOLT	VOLTAGE
W	WATT
WH	WATER HEATER
WP	WEATHERPROOF
XFER	TRANSFER
XFMR	TRANSFORMER

SHEET LIST

SHEET NUMBER	SHEET NAME
E-001	ELECTRICAL LEGENDS & SYMBOLS
E-002	ELECTRICAL GENERAL NOTES
ED-101	ELECTRICAL EXTERIOR PLAN - DEMO
EP-101	ELECTRICAL EXTERIOR PLAN - NEW WORK
E-201	ELECTRICAL ELEVATIONS
E-202	ELECTRICAL ELEVATIONS
E-601	ELECTRICAL DIAGRAMS

Revisions | Date

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL LEGENDS & SYMBOLS

Phase: 100% BID DOCUMENTS

Project Title: RESTORATION OF BUILDING 1 ENVELOPE

Project Number: VA Project No. 673-21-116; AG Project No. 0123041

Building Number:

Approved: STATION CHIEF - MICHAEL ROGALA

FULLY SPRINKLERED

Location: TAMPA, FLORIDA

Issue Date: 01/31/25 | Checked: CJM | Drawn: WWS

Drawing Number: E-001

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VA FORM 08 - 6231

ELECTRICAL DEMOLITION NOTES

1. THE FACILITY WILL REMAIN OCCUPIED DURING RENOVATIONS.
2. DEVICES, LIGHT FIXTURES AND EQUIPMENT SHOWN IN DASHED LINE TYPE ARE EXISTING TO BE DEMOLISHED; DEVICES, LIGHT FIXTURES AND EQUIPMENT SHOWN IN LIGHT SOLID LINE TYPE ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
3. EXISTING EQUIPMENT, LIGHT FIXTURES, DEVICES SHOWN ARE BASED ON FIELD SURVEYS AND RECORD DRAWINGS PROVIDED BY THE OWNER, AND IS NOT NECESSARILY ALL INCLUSIVE IN EVERY AREA AS FAR AS EXISTING ELECTRICAL EQUIPMENT, LIGHT FIXTURES AND DEVICES. EXISTING CIRCUITING SHOWN IS BASED ON RECORD DRAWINGS AND THE SURVEYED PANEL DIRECTORIES, WHERE THEY WERE AVAILABLE. THE ACTUAL CONDITIONS MAY VARY. ALL EXISTING CONDITIONS MUST BE VERIFIED PRIOR TO BID. THE CONDITIONS SHOWN ARE INTENDED TO SHOW THE LOCATIONS OF EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT, WHERE SHOWN ON THE PLAN DRAWINGS, AND IN NO WAY RELIEVES THE CONTRACTOR FROM PROVIDING ANY AND ALL COORDINATION NECESSARY TO COMPLETE THE NEW WORK; FIELD CONDITIONS SHALL GOVERN.
4. WHERE EXISTING DEVICES ARE INDICATED TO REMAIN OR RELOCATED, LOCATED WITHIN THE SCOPE OF THIS PROJECT AND EXISTING CIRCUITING INFORMATION IS UNAVAILABLE, CONTRACTOR IS TO PROVIDE CIRCUIT TRACING TO IDENTIFY PANEL AND CIRCUIT DEVICES ARE CONNECTED TO AND PROVIDE THAT INFORMATION TO A/E PRIOR TO ROUTING CONDUITS AND WIRING FOR NEW DEVICES AND EQUIPMENT WITHIN THE SCOPE OF THIS PROJECT.
5. PRIOR TO DEMOLITION, FIELD VERIFY CONDUIT AND WIRING WHICH SERVES AREAS OUTSIDE THE SCOPE OF WORK AND PASSES THROUGH THE AREA OF WORK, MAINTAIN CONTINUITY OF SYSTEMS.
6. WHERE EXISTING DEVICES ARE TO REMAIN, CONTRACTOR MUST EXTEND EXISTING CIRCUITING WHERE NECESSARY TO MAINTAIN CONTINUITY OF CIRCUIT.
7. COORDINATE WITH THE OWNER FOR DISPOSITION OF ELECTRICAL ITEMS TO BE DEMOLISHED. OWNER SHALL HAVE THE OPTION TO RETAIN REUSABLE ITEMS SUCH AS COVERPLATES, RECEPTACLES, LIGHT FIXTURES, PANELBOARDS, TRANSFORMERS, ETC. NOT BEING USED IN THE FINISHED WORK. COORDINATE WITH THE OWNER PRIOR TO START OF DEMOLITION. PROPERLY AND LEGALLY DISPOSE OF ALL EQUIPMENT AND MATERIALS BEING REMOVED.
8. COORDINATE EXACT AREAS, WALLS, ETC. TO BE DEMOLISHED WITH ARCHITECTURAL, AND MECHANICAL DEMOLITION PLANS.
9. WHERE EXISTING DEVICES, LIGHT FIXTURES AND EQUIPMENT ARE INDICATED TO BE DEMOLISHED, REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO SOURCE PANEL OR TO NEAREST JUNCTION BOX TO MAINTAIN CIRCUIT CONTINUITY OF DEVICES TO REMAIN AND EQUIPMENT TO REMAIN. WHERE PANELS ARE TO BE REMAIN, TURN BREAKER TO "OFF" POSITION AND LABEL THE CIRCUIT AS "SPARE" ON THE PANEL DIRECTORY.
10. ALL AREAS OUTSIDE THE SCOPE OF CONSTRUCTION ARE TO REMAIN ENERGIZED. COORDINATE PHASING WITH CONSTRUCTION MANAGER AND OWNER PRIOR TO DEMOLITION WHICH MAY RESULT IN INTERRUPTION OF POWER.
11. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR EXTENT OF AREA REQUIRING DEMOLITION AND ADDITIONAL INFORMATION ON ELECTRICAL DEMOLITION WITHIN THAT AREA. DISCONNECT ELECTRICAL SERVICE TO ALL EQUIPMENT BEING REMOVED. DEMOLITION SHALL BE PHASED AS REQUIRED BY DIVISION 1, OR DIRECTED BY THE OWNER.
12. REMOVE ALL CONDUIT LEFT EXPOSED BY REMOVAL OF WALLS AND CEILINGS IN REMODELED OR RENOVATED AREA. CAP BOTH ENDS OF REMAINING CONDUIT IN WALL OR FLOOR WHERE CUT. REMOVE ALL ASSOCIATED SUPPORTS. REMOVE WIRING BACK TO SOURCE OF VOLTAGE.
13. ELECTRICAL DEVICES WITHIN THE AREA OF WORK, AND NOT NOTED ON THE DEMOLITION DRAWINGS, WHETHER DUE TO CONCEALMENT BY STORAGE SHELVING, CASEWORK, FURNITURE OR FOR OTHER REASONS, ARE TO BE REMOVED AS REQUIRED, UNLESS SHOWN AS EXISTING TO REMAIN.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING ALL OPENINGS IN EXISTING CONSTRUCTION AFTER REMOVAL OF EQUIPMENT AND ELECTRICAL DEVICES, UNLESS OTHERWISE NOTED ON ARCHITECTURAL PLANS. REPAIRS ARE TO BE DONE TO LOGICAL EDGES OF SURFACES AFFECTED AND SHALL MATCH IMMEDIATE ADJACENT AREAS IN CONSTRUCTION, MATERIAL, FIRE RATING, FINISH AND COLOR.
15. PROVIDE BLANK COVERPLATES WHERE DEVICES ARE BEING REMOVED FROM EXISTING WALLS TO REMAIN. MATCH COLOR OF NEW ADJACENT DEVICE COVERPLATES.
16. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS PRIOR TO COMMENCEMENT OF WORK AND OBTAIN CLARIFICATIONS FROM ARCHITECT/ENGINEER IF NECESSARY.
17. COORDINATE SERVICE INTERRUPTION WITH CONSTRUCTION MANAGER, OWNER, LANDLORD, AND UTILITY COMPANY, WHERE APPLICABLE, AND DO NOT INTERRUPT POWER WITHOUT WRITTEN PERMISSION. PROVIDE A MINIMUM OF ONE WEEK'S WRITTEN NOTIFICATION WHEN POWER IS DESIRED TO BE INTERRUPTED.
18. EXERCISE EXTREME CAUTION WHEN REMOVING/ RELOCATING WIRING AND EQUIPMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT OTHER WIRING DEVICES, EQUIPMENT AND LIGHT FIXTURES THAT MAY BE CONNECTED TO THE SAME CIRCUIT REMAIN OPERATIONAL AND ACTIVE.
19. INFORMATION INDICATED IN THE DEMOLITION PORTION OF THE CONTRACT DRAWINGS IS DIAGRAMMATIC IN NATURE. FIELD VERIFY ELECTRICAL CIRCUIT HOMERUNS TO ALL ELECTRICAL ITEMS SCHEDULED TO BE DEMOLISHED AND PERFORM THE WORK AS INTENDED AND DEPICTED ON THE DRAWINGS.
20. UPDATE ALL EXISTING ELECTRICAL EQUIPMENT NAMEPLATES AND DIRECTORIES AS NECESSARY TO REFLECT FINAL AS-BUILT CONDITIONS AT THE END OF CONSTRUCTION.
21. STORE ITEMS INDICATED TO BE RETURNED TO THE OWNER IN A DRY, CLEAN AND PROTECTED AREA. NOTIFY OWNER WHEN ITEMS ARE READY TO BE REMOVED.
22. SCHEDULE ALL POWER INTERRUPTION WITH OWNER FOR EXACT DATE, TIME AND DURATION. PROVIDE A MINIMUM OF 72 HOURS NOTICE PRIOR TO DISCONNECTING ANY POWER TO ANY PORTION OF THE BUILDING, AND MAKE ARRANGEMENTS TO MAINTAIN POWER TO ALL CRITICAL EQUIPMENT AS NEEDED AND REQUESTED BY THE OWNER PRIOR TO COMMENCEMENT OF WORK.
23. THE DEMOLITION PLAN IS NOT INCLUSIVE OF ALL ELECTRICAL DEVICES WITHIN THE PROJECT AREA. IT IS INTENDED TO PROVIDE A GENERAL KNOWLEDGE OF THE EXISTING CONDITIONS WITHIN THE PROJECT AREA. ANY DISCREPANCIES OR CONDITIONS NOT SHOWN ON THE PLAN SHALL BE BROUGHT TO THE ATTENTION OF THE A/E. THE CONTRACTOR IS RESPONSIBLE FOR ALL REQUIRED ELECTRICAL DEMOLITION WHETHER INDICATED ON THE PLANS OR NOT.
24. ALL CONDUITS SERVING OTHER SPACES THAT RUN THROUGH THE PROJECT AREA SHALL REMAIN ACTIVE DURING CONSTRUCTION SO AS NOT TO CAUSE DISRUPTION TO THESE OTHER SPACES. ENSURE THAT ALL CONDUITS, NEW OR EXISTING WITHIN THE PROJECT AREA ARE PROPERLY SUPPORTED IN ACCORDANCE WITH THE NEC. ANY EXISTING CONDUIT IS INSTALLED BELOW THE HEIGHT OF THE NEW CEILING SHALL BE RELOCATED TO ABOVE THE NEW CEILING HEIGHT.
25. REMOVE ALL ABANDONED WIRING AND CONDUIT THAT IS WITHIN THE PROJECT AREA PRIOR TO THE END OF CONSTRUCTION.
26. UPDATE PANELBOARD DIRECTORIES WHICH ARE MODIFIED BY THIS PROJECT.
27. REPAIR DISTURBED AREAS TO MATCH EXISTING CONDITIONS.

ELECTRICAL GENERAL NOTES

1. THE DRAWINGS AND APPLICABLE SPECIFICATIONS SHALL BE CONSIDERED SUPPLEMENTARY. ONE TO THE OTHER AND ARE CONSIDERED THE "CONTRACT DOCUMENTS". ALL WORKMANSHIP, METHODS AND/OR MATERIALS DESCRIBED OR IMPLIED BY ONE AND NOT DESCRIBED OR IMPLIED BY THE OTHER SHALL BE PROVIDED, FURNISHED OR PERFORMED AS IF IT HAD APPEARED IN BOTH SECTIONS. THE TERM "CONTRACT DOCUMENTS" DESCRIBED HEREIN IS NOT LIMITED SOLELY TO THE ELECTRICAL PORTION OF THE DRAWINGS AND SPECIFICATIONS, BUT ENCOMPASSES THE DRAWINGS AND SPECIFICATIONS OF ALL DIVISIONS AS A WHOLE.
2. INCLUDE IN BID THE TRANSPORT AND DISPOSAL OR RECYCLING OF ALL WASTE MATERIALS GENERATED BY THIS PROJECT IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL RULES, REGULATIONS AND GUIDELINES APPLICABLE. COMPLY FULLY WITH FLORIDA STATUTES REGARDING MERCURY-CONTAINING DEVICES, AND WITH ALL DEP AND EPA APPLICABLE GUIDELINES AT THE TIME OF DISPOSAL. PROVIDE OWNER WITH WRITTEN CERTIFICATION OF ACCEPTED DISPOSAL.
3. ALL POWER CIRCUITS HAVE BEEN DESIGNED IN COMPLIANCE WITH SECTION C405.7.3 OF THE ENERGY CONSERVATION CODE, FLORIDA BUILDING CODE REQUIRING 2% OR LESS VOLTAGE DROP FOR FEEDERS, AND 3% OR LESS VOLTAGE DROP FOR BRANCH CIRCUITS.
4. ALL BRANCH CIRCUITS SHALL BE FURNISHED WITH A DEDICATED NEUTRAL. SHARED NEUTRALS ARE NOT ALLOWED UNLESS SPECIFICALLY NOTED ON THE DRAWINGS.
5. VERIFY AND COORDINATE LOCATIONS OF ANY MISCELLANEOUS EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS (I.E., COPIERS, FAX MACHINES, PRINTERS, KITCHEN APPLIANCES, LAUNDRY APPLIANCES, PROJECTION SCREENS, SHOP TOOLS, MACHINE, ELEVATORS, ETC.) WITH APPROVED SHOP DRAWINGS, OWNER-PROVIDED CUT SHEETS, MANUFACTURER'S INSTRUCTIONS, AND EQUIPMENT NAMEPLATE INFORMATION, PRIOR TO ROUGH IN, AND PROVIDE ALL NECESSARY ELECTRICAL REQUIRED.
6. VERIFY AND COORDINATE LOCATIONS AND EXACT ELECTRICAL REQUIREMENTS FOR ALL MECHANICAL, PLUMBING AND FIRE PROTECTION EQUIPMENT PRIOR TO SUBMITTAL OF SHOP DRAWINGS OF ELECTRICAL EQUIPMENT. PROVIDE ALL NECESSARY RACEWAYS, CONDUCTORS, BOXES, EQUIPMENT, ACCESSORIES, ASSOCIATED DISCONNECT SWITCHES, CIRCUIT BREAKERS, CONTROL TRANSFORMERS, FIRE ALARM SHUTDOWN, ETC. REQUIRED FOR A COMPLETE AND OPERATIONAL SYSTEM. COORDINATE WITH APPROPRIATE TRADE'S APPROVED SHOP DRAWINGS, MANUFACTURER'S INSTRUCTIONS, AND EQUIPMENT NAMEPLATE INFORMATION, PRIOR TO ROUGH IN, AND PROVIDE ALL NECESSARY ELECTRICAL REQUIRED, UNLESS OTHERWISE NOTED.
7. THIS PROJECT REQUIRES COORDINATION DRAWINGS BY THE CONTRACTOR. PARTICIPATE IN THE COORDINATION DRAWING PREPARATION PROCESS AND PROVIDE ALL NECESSARY INFORMATION REQUIRED TO COORDINATE ALL TRADE INFORMATION.
8. ALL WORK ON THE ELECTRICAL SYSTEM REQUIRED BY THE CONTRACT DOCUMENTS SHALL BE COORDINATED WITH THE WORK OF ALL OTHER DIVISIONS/TRADES PRIOR TO COMMENCEMENT OF WORK. AVOID INTERFERENCES WITH THE PROGRESS OF OTHER DIVISIONS/TRADES.
9. LOCATIONS OF VFD'S, DISCONNECTS, MOTOR STARTERS, ETC. FOR HVAC EQUIPMENT ARE DIAGRAMMATIC ON THE PLAN DRAWINGS. EXACT LOCATIONS ARE TO BE COORDINATED WITH CONTRACTOR'S COORDINATION DRAWINGS PRIOR TO ROUGHING IN TO ENSURE PROPER NEC CLEARANCES AND APPROPRIATE MOUNTING SURFACE.
10. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. PROVIDE COMPONENTS INDICATED ON RISER DIAGRAMS WHETHER OR NOT INDICATED ON PLANS AND VICE VERSA.
11. ROUTING OF CONDUIT IS DIAGRAMMATIC AND NOT INTENDED TO SHOW REQUIRED OFFSETS AND DETAILS. COORDINATE EXACT ROUTING WITH FIELD CONDITIONS AND OTHER TRADES.
12. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, FIRE PROTECTION, CIVIL, LANDSCAPE, INTERIOR DESIGN, TECHNOLOGY, STRUCTURAL, AND KITCHEN EQUIPMENT DRAWINGS FOR RELATED INFORMATION AND ADDITIONAL INSTALLATION REQUIREMENTS TO BE PERFORMED AS PART OF THE WORK. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT MOUNTING HEIGHT AND LOCATIONS.
13. WHERE A DISCREPANCY OR CONFLICT IS FOUND BETWEEN ONE DRAWING AND ANOTHER, OR BETWEEN A DRAWING AND APPLICABLE SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY IN WRITTEN FORM. IN GENERAL, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS THE DISCREPANCY CONFLICTS WITH APPLICABLE CODES OR OWNER'S DESIGN STANDARDS, WHEREIN THE CODE OR OWNER'S DESIGN STANDARDS SHALL GOVERN.
14. CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND/OR SITE AFFECTED BY THIS WORK PRIOR TO SUBMITTAL BID PRICE, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT MAY AFFECT EXECUTION OF THE WORK. SUBMISSION OF A BID PRICE SHALL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE. LATER CLAIMS FOR LABOR, EQUIPMENT AND/OR MATERIALS REQUIRED DUE TO DIFFICULTIES ENCOUNTERED THAT COULD HAVE BEEN REASONABLY OBSERVED WILL NOT BE RECOGNIZED.) – THIS IS NOT ALLOWED ON GOV'T/VA PROJECTS
15. COORDINATE ALL PROJECT SCHEDULING AND PHASING REQUIREMENTS WITH ARCHITECT/ENGINEER AND OWNER PRIOR TO SUBMITTING BID PRICE. THIS PROJECT MAY REQUIRE PHASING SEQUENCES AND POTENTIAL PREMIUM TIME WORK AND ALL COSTS FOR SUCH SHALL BE INCLUDED IN THE BID PRICE. PROVIDE ADEQUATE WORK FORCE AND EQUIPMENT, AND INCLUDE PREMIUM TIME AS MAY BE REQUIRED IN ORDER TO ADHERE TO THE PROJECT SCHEDULE. ADDITIONALLY, ENSURE THAT LONG LEAD ITEMS DO NOT IMPACT THE PROJECT'S SCHEDULE OR PHASING.
16. CONDUCT WORK OPERATIONS AND DEBRIS REMOVAL IN A MANNER THAT ENSURES MINIMUM INTERFERENCE WITH NORMAL BUSINESS OPERATIONS, TRAFFIC, PARKING, ETC. ONGOING IN ADJACENT OCCUPIED SPACES OR FACILITIES. PROVIDE ALL THAT IS REQUIRED TO EFFECTIVELY PROTECT SURROUNDING OCCUPANTS, EQUIPMENT, FINISHES, FURNITURE, ETC. FROM DAMAGE OR EXCESSIVE NOISE THROUGHOUT THE DURATION OF THIS PROJECT. CONTRACTOR IS RESPONSIBLE FOR ANY LOSSES OR DAMAGE. ANY DAMAGE RESULTING FROM THE FAILURE TO ADHERE TO THIS REQUIREMENT. RESTORE DAMAGED ELEMENTS TO ORIGINAL CONDITION BY THE CONTRACTOR TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER, AT NO ADDITIONAL COSTS. REPORT OF ANY SUCH OCCURRENCE TO THE ARCHITECT/ENGINEER AND OWNER IMMEDIATELY AND AWAIT WRITTEN DIRECTION PRIOR TO PROCEEDING WITH REPAIRS.
17. COORDINATE THE LOCATION OF ALL LIGHT FIXTURES, DEVICES AND BOXES WITH WINDOWS, MIRRORS, MILLWORK, CABINETS, GLASS CURTAIN WALLS, AND GLASS WALLS PRIOR TO INSTALLATION OF CONDUITS OR BOXES. REVIEW ALL CONTRACT DRAWINGS TO ASCERTAIN ANY CONFLICTS PRIOR TO BIDDING. OBTAIN CLARIFICATION FROM A/E PRIOR TO BID. CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR WORK REQUIRED TO RELOCATE OUTLET BOXES OR RACEWAYS FOR COORDINATION WITH OTHER TRADE'S WORK.
18. THE EXCLUSIVELY DEDICATED SPACE EXTENDING FROM FLOOR TO 6' ABOVE EQUIPMENT OR STRUCTURAL CEILING, WHICHEVER DISTANCE IS LOWER, WITH A WIDTH AND DEPTH OF THE PANELBOARD OR SWITCHBOARD MUST BE CLEAR OF ALL PIPING, DUCTS, EQUIPMENT FOREIGN TO THE ELECTRICAL EQUIPMENT OR ARCHITECTURAL APPURTENANCES IN ACCORDANCE WITH NEC.
19. PROVIDE ALL TEMPORARY NORMAL LIGHTING, EMERGENCY LIGHTING AND EXIT SIGNAGE REQUIRED DURING THE PROJECT CONSTRUCTION PHASE.
20. UNLESS NOTED AS EXISTING, ALL ELECTRICAL INDICATED ON THE CONTRACT DOCUMENTS SHALL BE NEW, SHALL BE U.L. LISTED, AND SHALL BEAR A U.L. LABEL. WHERE NO U.L. LABEL OR LISTING IS AVAILABLE, THE MATERIAL SHALL BE LISTED WITH AN APPROVED, NATIONALLY RECOGNIZED ELECTRICAL TESTING AGENCY.
21. PROVIDE EXPERIENCED, QUALIFIED AND RESPONSIBLE SUPERVISION FOR ALL WORK REQUIRED BY THE CONTRACT DOCUMENTS. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER, TO THE SATISFACTION OF THE ARCHITECT/ENGINEER AND OWNER.
22. THE ELECTRICAL PORTION OF THE CONTRACT DOCUMENTS ARE COORDINATED WITH THE DESIGN BASIS EQUIPMENT SPECIFIED BY DIVISION 26 AND OTHER DIVISIONS. WHERE THE CONTRACTOR ELECTS TO SUBSTITUTE A PRODUCT IN LIEU OF PROVIDING THE DESIGN BASIS, AND SAID SUBSTITUTION IS ACCEPTED BY THE A/E AND OWNER, THE CONTRACTOR SHALL MAKE ALL CORRECTIONS TO THE ELECTRICAL SYSTEM NECESSARY IN ORDER TO ENSURE A COMPLETE AND OPERATIONAL INSTALLATION OF THE EQUIPMENT AT NO ADDITIONAL COSTS. WHERE THE CONTRACTOR'S DESIGN SUBSTITUTION RESULTS IN THE NEED FOR THE ENGINEER TO REVISE THE CONTRACT DOCUMENTS, THE ENGINEER RESERVES THE RIGHT TO REQUEST COMPENSATION FROM THE CONTRACTOR FOR SAID SERVICES.
23. MAINTAIN A CURRENT AND ACCURATE SET OF PROJECT RECORD DOCUMENTS (AS-BUILTS) AT THE SITE THROUGHOUT THE DURATION OF THE PROJECT. RECORD DRAWINGS SHALL BE UPDATED EACH DAY TO REFLECT THE ACTUAL LOCATIONS, SIZES, ROUTING, ETC. OF EACH PORTION OF THE ELECTRICAL SYSTEM AFFECTED BY THIS WORK. A FINAL SET OF RECORD DOCUMENTS SHALL BE ISSUED TO THE A/E FOR REVIEW AND THEN SUBMITTED TO THE OWNER WITHIN 30 DAYS AFTER THE DATE OF FINAL ACCEPTANCE. PROVIDE RECORD DRAWINGS OF THE ACTUAL INSTALLATION INCLUDING SINGLE LINE DIAGRAM, POWER RISER DIAGRAM OF THE BUILDING ELECTRICAL DISTRIBUTION SYSTEM, SITE PLANS AND ALL ELECTRICAL FLOOR PLANS, DETAILS, PANEL SCHEDULES, ETC.
24. WHERE SUBMITTED EQUIPMENT REQUIRES REVISION TO OVERCURRENT PROTECTION, CONDUIT OR WIRING, MAKE CHANGES IN ACCORDANCE WITH APPLICABLE CODES.

APPLICABLE CODES

1. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), INCLUDING (BUT NOT LIMITED TO):
   a. NATIONAL ELECTRICAL CODE (NEC), NFPA 70 - 2023
   b. NATIONAL FIRE ALARM CODE, NFPA 72 - 2025
   c. LIFE SAFETY CODE, NFPA 101 – 2024
   d. EMERGENCY AND STANDBY POWER SYSTEMS, NFPA 110 – 2025
   e. HEALTH CARE FACILITIES CODE, NFPA 99
2. AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI), INCLUDING (BUT NOT LIMITED TO):
   a. NATIONAL ELECTRICAL SAFETY CODE, ANSI C2
3. OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)
4. FEDERAL COMMUNICATION COMMISSION (FCC)
5. NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)
6. INSULATED CABLE ENGINEERS ASSOCIATION (ICEA)
7. INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE)
8. NATIONAL ELECTRICAL TESTING ASSOCIATION (NETA)
9. AMERICAN SOCIETY OF TESTING AND MATERIALS (ASTM)
10. ILLUMINATION ENGINEERING SOCIETY (IES)
11. ANTI-FRICTION BEARING MANUFACTURERS ASSOCIATION (AFBMA)
12. BUILDING OFFICIALS AND CODE ADMINISTRATORS INTERNATIONAL, INC. (BOCA)
13. INTERNATIONAL CODE COUNCIL (ICC):
    a. INTERNATIONAL BUILDING CODE (IBC)
14. UNIFORM BUILDING CODE (UBC)
15. COMBINED ANSI/ASHRAE/IES STANDARD 90.1 – "ENERGY STANDARD FOR BUILDINGS EXCEPT LOW-RISE RESIDENTIAL BUILDINGS"
16. NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION INSTALLATION STANDARDS (NECA)
17. AMERICANS WITH DISABILITIES ACT (ADA)
18. APPLICABLE STATE AND LOCAL CODES: AMENDMENTS, REGULATIONS, AND PRACTICES.
19. APPLICABLE REGULATORY REQUIREMENTS AND ADVISORY PRACTICES OF APPROPRIATE
    a. AUTHORITIES HAVING JURISDICTION (AHJs).
20. APPLICABLE STANDARDS, REGULATIONS, AND PRACTICES OF THE OWNER.
21. CODES APPLICABLE TO FLORIDA ONLY, INCLUDING:
    a. FLORIDA BUILDING CODE
    b. FLORIDA ENERGY CONSERVATION
    c. FLORIDA FIRE PREVENTION CODE

WHERE THERE IS A DISCREPANCY BETWEEN ABOVE GENERAL NOTES AND SPECIFICATIONS, WHERE APPLICABLE, SPECIFICATIONS SHALL BE FOLLOWED

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Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL GENERAL NOTES	Phase: 100% BID DOCUMENTS	Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116; AG Project No. 0123041
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number
		Issue Date: 01/31/25 · Checked: CJM · Drawn: WWS	Drawing Number: E-002

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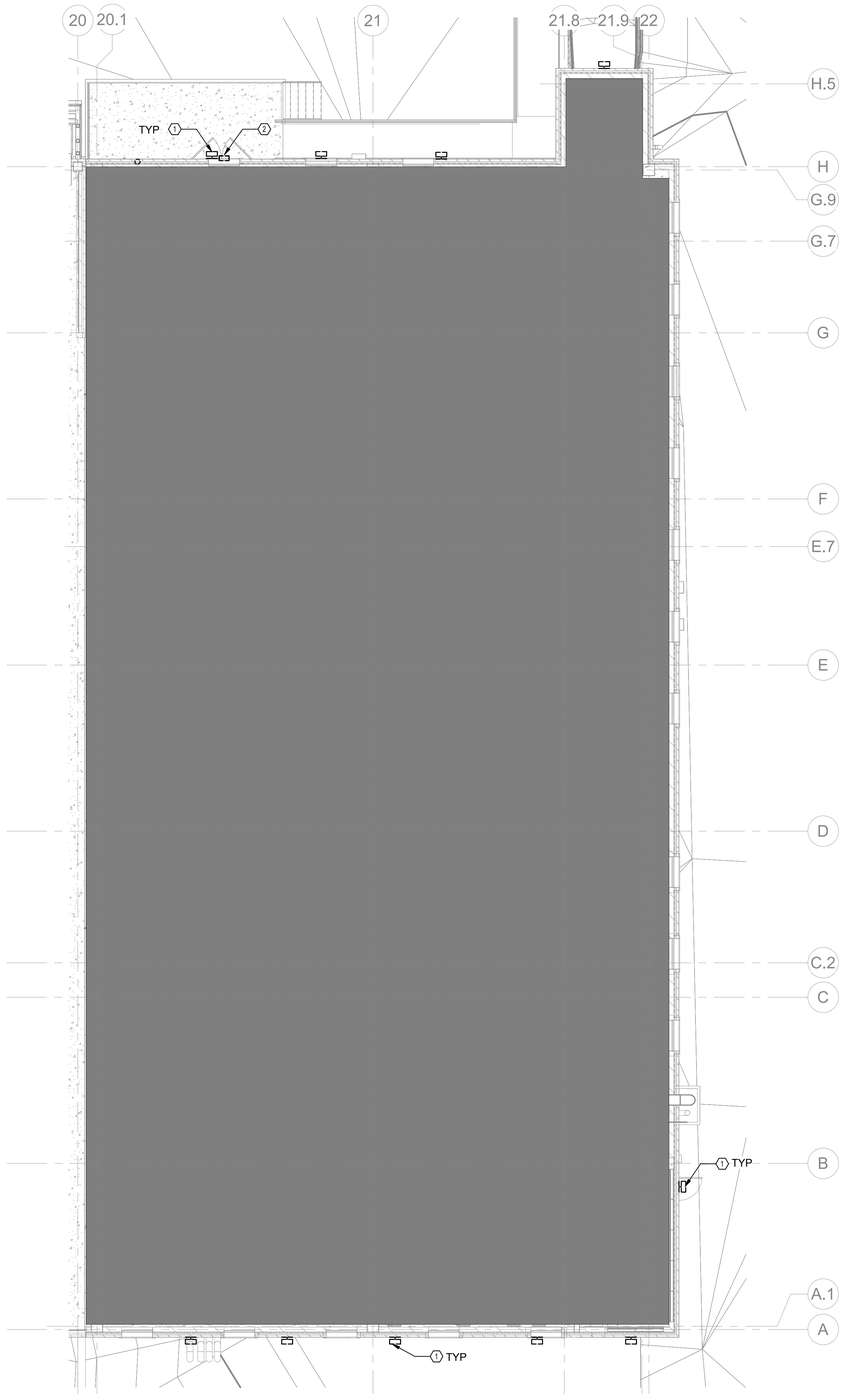
DRAWING NOTES:

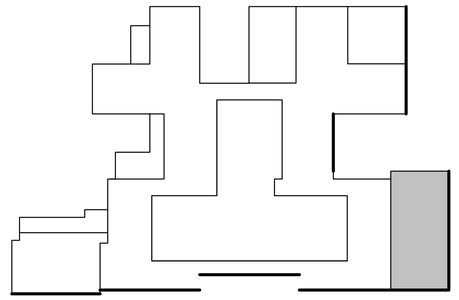
1. NO SCOPE WTHIN HATCHED AREA.
2. PRESERVE ALL ASSOCIATED CONDUIT AND CONDUCTORS FOR RE-USE DURING NEW WORK PHASE.
3. REFER TO ELECTRICAL ELEVATIONS FOR ADDITIONAL ITEMS TO BE REMOVED AND REPLACED.

CODED NOTES:

1. EXISTING EXTERIOR WALL FIXTURE TO BE REMOVED. PRESERVE ASSOCIATED CONDUIT AND CONDUCTORS FOR CONNECTION TO NEW FIXTURES.
2. EXISTING LIGHTNING ARRESTER TO BE REMOVED. PRESERVE ASSOCIATED CONDUIT AND CONDUCTORS FOR CONNECTION TO NEW FIXTURES.



1 ELECTRICAL EXTERIOR PLAN - DEMO
1/8" = 1'-0"



N KEY PLAN
N.T.S.

0 4' 8' 16' 24'
1/8" = 1'-0"

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VA U.S. Department of Veterans Affairs

Drawing Title	Phase	Project Title	Project Number
ELECTRICAL EXTERIOR PLAN - DEMO	100% BID DOCUMENTS	RESTORATION OF BUILDING 1 ENVELOPE	VA Project No. 673-21-116 AG Project No. 0123041
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED	Location: TAMPA, FLORIDA	Building Number
		Issue Date: 01/31/25 · Checked: CJM · Drawn: WWS	Drawing Number: ED-101

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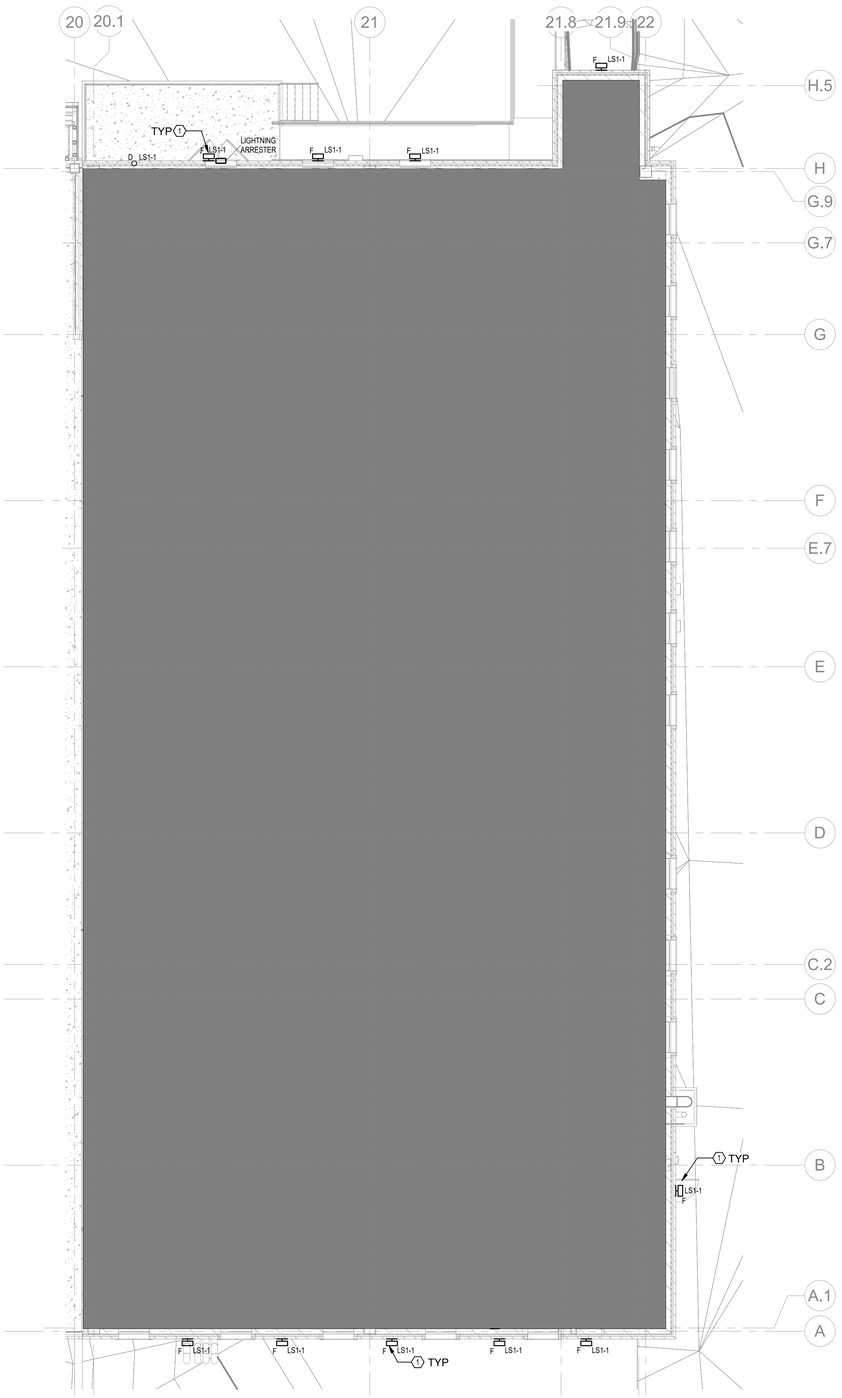
DRAWING NOTES:

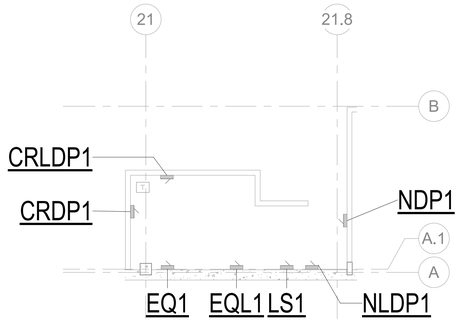
1. NO SCOPE WTHIN HATCHED AREA.
2. ALL BRANCH CIRCUITING IS SHOWN FOR REFERENCE ONLY. RE-USE EXISTING BRANCH CIRCUIT FROM PANEL 'LS1' FOR NEW LIGHTING FIXTURES.
3. REFER TO ELECTRICAL ELEVATIONS FOR ADDITIONAL ITEMS TO BE REMOVED AND REPLACED.

CODED NOTES:

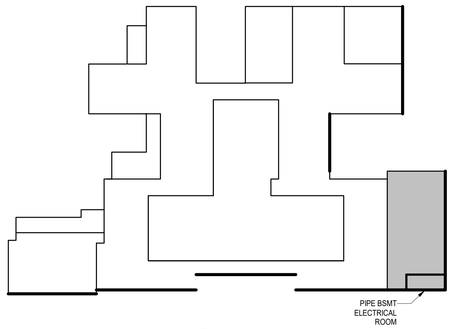
(1) NEW FIXTURE TO BE CONNECTED TO EXISTING CIRCUIT. RE-USE EXISTING CONDUIT AND CONDUCTORS. PROVIDE CONDUIT EXTENSION AS NECESSARY TO ACCOMODATE NEW FIXTURE SPACING ALONG EXTERIOR FACADE. ALL CONDUIT SHALL BE RUN IN CAVITY BEHIND BRICK VENEER.



1 ELECTRICAL EXTERIOR PLAN - NEW WORK
1/8" = 1'-0"



2 PIPE BSMT ELECTRICAL ROOM
1/8" = 1'-0"



KEY PLAN
N.T.S.

0 4' 8' 16' 24'
1/8" = 1'-0"

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2014-2024 10TH ANNIVERSARY Above Group ENGINEERING | DESIGN | CONSULTING SDVOSB www.abovegroupinc.com COA/CA Lic. No. 31120 305 East Dr., Suite H, Melbourne, Florida 32904 PH: 321.345.9026	RDC◆JPA ARCHITECTURE 524 Fernwood Drive, Altamonte Springs, Florida 32701 | www.rdcjpa.com | 800.362.1523	STATE OF FLORIDA REGISTERED ARCHITECT No. 92822	Office of Construction and Facilities Management VA U.S. Department of Veterans Affairs	Drawing Title: ELECTRICAL EXTERIOR PLAN - NEW WORK Approved: STATION CHIEF - MICHAEL ROGALA	Phase: 100% BID DOCUMENTS FULLY SPRINKLERED	Project Title: RESTORATION OF BUILDING 1 ENVELOPE Location: TAMPA, FLORIDA Issue Date: 01/31/25 · Checked: CJM · Drawn: WWS	Project Number: VA Project No. 673-21-116, AG Project No. 0123041 Building Number Drawing Number: EP-101

Revisions | Date

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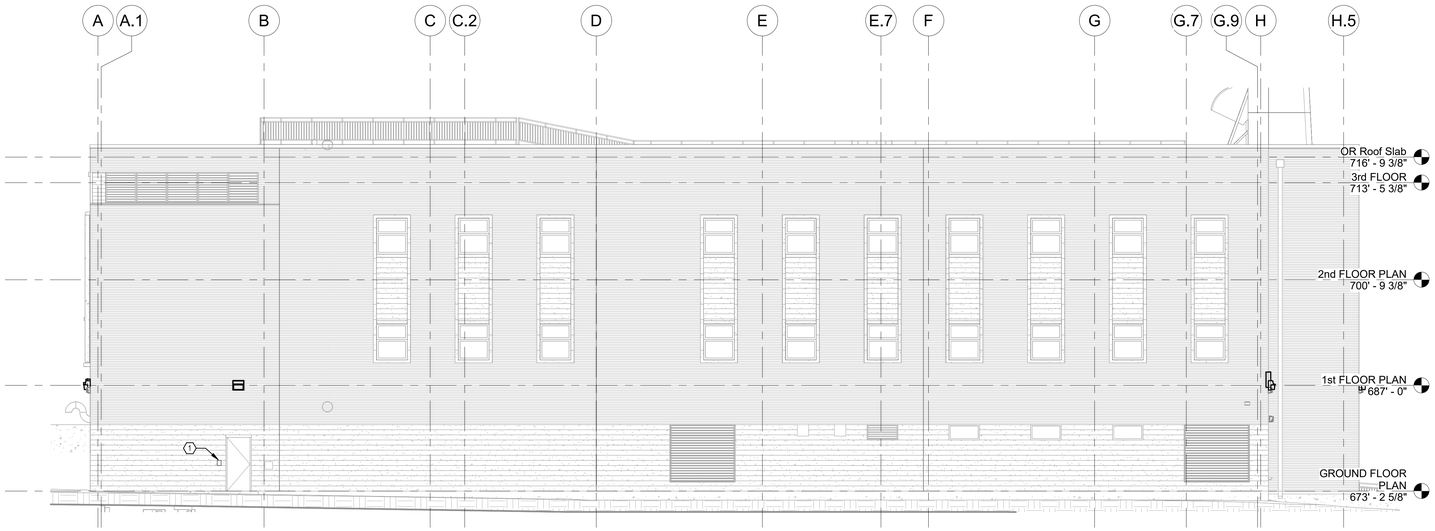
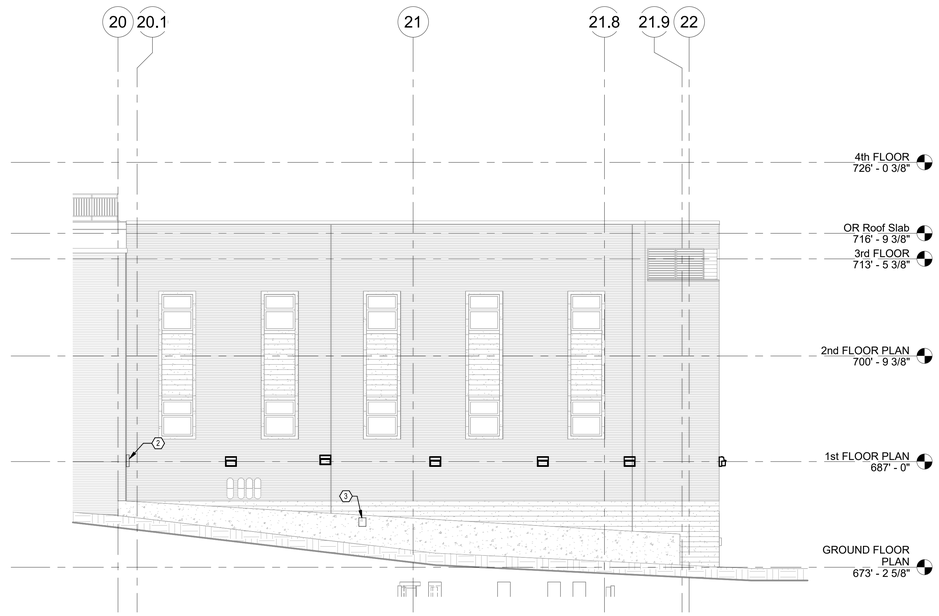


1 NORTH ELEVATION - ELECTRICAL - NEW WORK
1/8" = 1'-0"



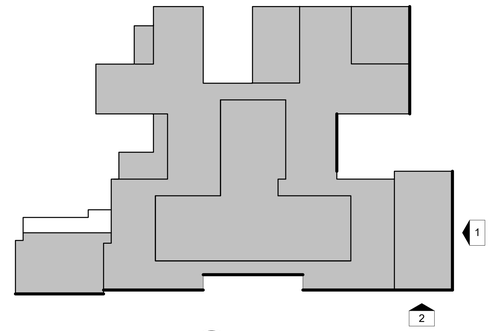
2 EAST ELEVATION - ELECTRICAL - NEW WORK
1/8" = 1'-0"

DRAWING NOTES:

1. REFER TO ELECTRICAL EXTERIOR PLAN EP-101 FOR CIRCUITING AND LIGHTING FIXTURE TYPE INFORMATION.

CODED NOTES:

1. EXISTING CARD READER TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED BOX AND CONDUIT DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
2. EXISTING ANTENNA TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED CONDUIT AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE.DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
3. EXISTING RECEPTACLE TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED BOX, CONDUIT AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.



N KEY PLAN
N.T.S.

0 4' 8' 16' 24'
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REGISTERED No. 92822 STATE OF FLORIDA ARCHITECT

Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title ELECTRICAL ELEVATIONS	**Phase** 100% BID DOCUMENTS	**Project Title** RESTORATION OF BUILDING 1 ENVELOPE	**Project Number** VA Project No. 673-21-116 AG Project No. 0123041
Approved: STATION CHIEF - MICHAEL ROGALA			**Building Number** B1
	FULLY SPRINKLERED	**Location** TAMPA, FLORIDA	**Drawing Number** E-201
		Issue Date 01/31/25 **Checked** CJM **Drawn** WWS	

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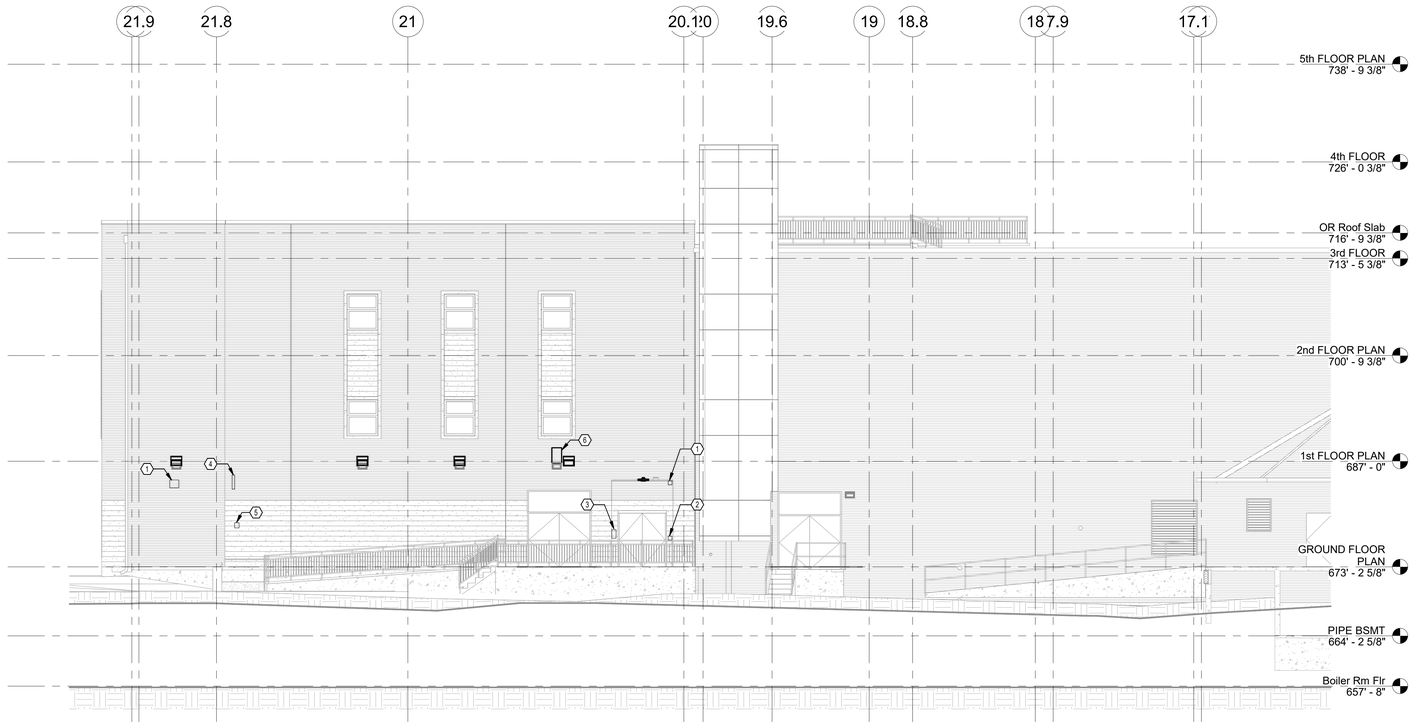
DRAWING NOTES:

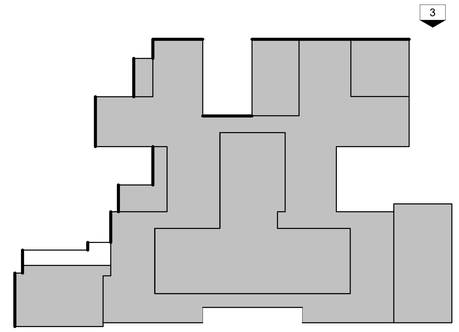
1. REFER TO ELECTRICAL EXTERIOR PLAN EP-101 FOR CIRCUITING AND LIGHTING FIXTURE TYPE INFORMATION.

CODED NOTES:

1. EXISTING CAMERA TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED ASSOCIATED BOX, CONDUIT, AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
2. EXISTING CARD READER TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED ASSOCIATED BOX, CONDUIT, AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
3. EXISTING TELEPHONE BOX TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED BOX, CONDUIT, AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
4. EXISTING ANTENNA TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED CONDUIT AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
5. EXISTING FIRE ALARM HORN TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED CONDUIT AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.
6. EXISTING LIGHTNING ARRESTOR TO BE REMOVED DURING DEMOLITION PHASE, AND RE-INSTALLED DURING NEW WORK PHASE. PRESERVE ASSOCIATED CONDUIT AND WIRING DURING DEMOLITION FOR RE-INSTALLATION IN NEW WORK PHASE. DEVICE MUST MAINTAIN EXISTING FUNTIONALITY AND BE IN WORKING ORDER.



1 WEST ELEVATION - ELECTRICAL - NEW WORK
1/8" = 1'-0"



N KEY PLAN
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REGISTERED ARCHITECT No. 92822 STATE OF FLORIDA

Office of Construction and Facilities Management

VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL ELEVATIONS	Phase: 100% BID DOCUMENTS
Approved: STATION CHIEF - MICHAEL ROGALA	FULLY SPRINKLERED

Project Title: RESTORATION OF BUILDING 1 ENVELOPE	Project Number: VA Project No. 673-21-116, AG Project No. 0123041
	Building Number: B1
Location: TAMPA, FLORIDA	Drawing Number: E-202
Issue Date: 01/31/25 / Checked: CJM / Drawn: WWS	

VA FORM 08 - 6231

LIGHTING FIXTURE SCHEDULE

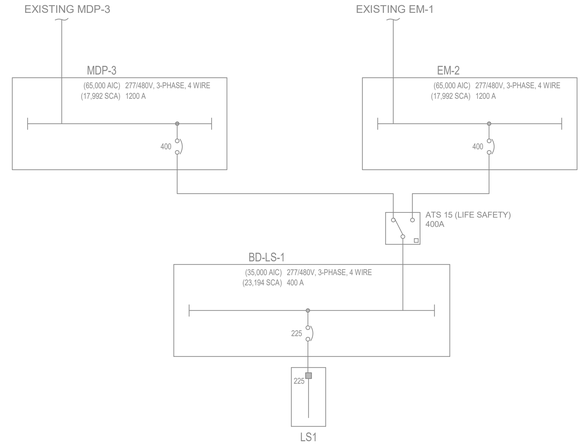
TYPE	DESCRIPTION	MANUFACTURER	MODEL	VOLTAGE	VA	LAMP TYPE	FIXTURE LUMENS	FIXTURE COLOR TEMP (K)	DRIVER/BALLAST	COMMENTS
D	HORIZONTAL DOWNLIGHT	LITHONIA	LDN6 40/20 LO6 AR LSS MVOLT EZ10	277 V	25 VA	LED	2000	4000K	0-10V DIMMING	
F	SITE LIGHTING, FULL CUTOFF WALL PACK, LED, 4000 K, TYPE III DISTRIBUTION, PHOTOCELL/MOTION SENSOR, UL WET LOCATION LISTED.	LITHONIA	DSXW1LED-20C-530-40K-T3M-MVOLT-SRM-PE-DBLXD	277 V	36 VA	LED		4000K	0-10V DIMMING	

NOTES: (APPLICABLE TO LIGHTING FIXTURE SCHEDULE ONLY)
1. CATALOG NUMBERS FOR LUMINAIRES INDICATE THE BASIS OF DESIGN FIXTURES.

2. EMERGENCY FIXTURES ARE TO BE CONNECTED TO CONSTANT HOT LEG (UN-SWITCHED) OF CIRCUIT INDICATED.

	TYPICAL SPACE TYPE	LINE VOLTAGE CONTROL DEVICE: TOGGLE SWITCH(ES)	LINE VOLTAGE CONTROL DEVICE: CEILING/WALL MOUNTED OCCUPANCY SENSOR(S)	LINE VOLTAGE CONTROL DEVICE: WALL BOX OCCUPANCY SENSOR(S) WITH SINGLE OUTPUT RELAY	LINE VOLTAGE CONTROL DEVICE: WALL BOX OCCUPANCY SENSOR(S) WITH DIMMING	LINE VOLTAGE CONTROL DEVICE: LUMINAIRE WITH BUILT-IN PHOTOCELL	LINE VOLTAGE CONTROL DEVICE: .	LOW VOLTAGE CONTROL DEVICE: DIGITAL SWITCH(ES)	LOW VOLTAGE CONTROL DEVICE: CEILING/WALL MOUNTED OCCUPANCY SENSOR(S)	LOW VOLTAGE CONTROL DEVICE: INDOOR PHOTOSENSOR(S)	LOW VOLTAGE CONTROL DEVICE: OUTDOOR PHOTOCELL(S)	LOW VOLTAGE CONTROL DEVICE: ASTRONOMICAL TIMECLOCK	LOW VOLTAGE CONTROL DEVICE: PRESCA	SWITCHING/DIMMING: SWITCHING	SWITCHING/DIMMING: STEP-DIMMING	SWITCHING/DIMMING: FULL RANGE DIMMING	SWITCHING/DIMMING: CENTRALIZED CIRCADIAN RHYTHM CCT CONTROL	MISCELLANEOUS: VACANCY SENSOR TIMEOUT(DELAY IN MINUTES)	MISCELLANEOUS: LIGHTS MANUAL ON	MISCELLANEOUS: LIGHTS AUTOMATIC ON TO 100% LIGHT LEVEL UPON OCCUPANCY	MISCELLANEOUS: LIGHTS AUTOMATIC ON TO 50% LIGHT LEVEL UPON OCCUPANCY, 100% MANUAL ON	MISCELLANEOUS: TIMECLOCK SCHEDULED "ON" TIME	MISCELLANEOUS: TIMECLOCK SCHEDULED "OFF" TIME	MISCELLANEOUS: OCC. SENSOR OVERRIDE TIMECLOCK DURING "OFF" HOURS	MISCELLANEOUS: DAYLIGHTING/ON LIGHTS TO MAINTAIN MINIMUM SPEC'D FT-C-"-65"	NOTES
1	EXTERIOR	-	-	-	-	X	-	-	-	-	-	-	-	X	-	-	-	N/A	-	-	-	-	-	-	-	-	-

2 LIGHTING CONTROL MATRIX
N.T.S



1 PARTIAL ELECTRICAL ONE-LINE DIAGRAM
N.T.S

DRAWING NOTES:

1. ALL ELECTRICAL EQUIPMENT SHOWN ON ONE-LINE DIAGRAM IS EXISTING TO REMAIN. DIAGRAM SHOWN FOR REFERENCE ONLY.

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Revisions | Date

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Office of Construction and Facilities Management
VA U.S. Department of Veterans Affairs

Drawing Title: ELECTRICAL DIAGRAMS
Phase: 100% BID DOCUMENTS
Project Title: RESTORATION OF BUILDING 1 ENVELOPE
Project Number: VA Project No. 673-21-116; AG Project No. 0123041
Building Number:
Approved: STATION CHIEF - MICHAEL ROGALA
FULLY SPRINKLERED
Location: TAMPA, FLORIDA
Issue Date: 01/31/25
Checked: CJM
Drawn: WWS
Drawing Number: E-601

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