



CITY OF ROCKVILLE
Procurement Division
111 Maryland Avenue
Rockville, Maryland 20850-2364
Phone 240-314-8430 Fax 240-314-8439

ADDENDUM 1

DATE: October 24, 2024

REFERENCE: City of Rockville
Invitation for Bid:

IFB 02-25

F. Scott Fitzgerald Theatre Improvements

Scheduled Submittal Deadline:

Wednesday, November 06, 2024, at 2:00 P.M. (EDT)

Please note the following additions, clarifications, corrections deletions and/or revision have been made to the above referenced Invitation for Bid (IFB):

Revision 1 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet AD-101

- a. Detail 1: Notes added to clarify that Alternate #5 includes the removal of all existing lobby carpet.

Revision 2 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet AD-103

- a. Detail 1: A dimension has been added for the location of the demolition for the new door from DRESSING ROOM A [123]

Revision 3 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-101

- a. Detail 1: Notes added to clarify that Alternate #5 includes the installation of CPT-4 at the main lobby and CPT-5 at the lobby entry.
- b. Detail 1; Revised dimensions for north and south walls of BOX OFFICE [102A], OFFICE 1 [102B], and OFFICE 2 [102C].
- c. Detail 1: Revise radius of curved wall at BOX OFFICE [102A] to 26'-7 5/8"

Revision 4 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-103

- a. Detail 1: Dimensions have been provided for locating door 123.2.

Revision 5 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-106:

- a. REMOVAL KEY NOTES: Add removal note R4 "REMOVE EXISTING FINISHED FLOORING PREPARE FOR NEW VCT FLOORING INSTALLATION".
- b. RENOVATION KEY NOTES: Add renovation note 4 "NEW VCT FLOORING"
- c. Plan Detail 1: Add callouts for demolition details 7/A-602 & 1/A-501
- d. Plan Detail 1: Add references for removal note R4
- e. Plan Detail 2: Add callouts for new work detail 2/A-501
- f. Plan Detail 1: Add references for renovation note 4
- g. Add Detail 4/A-106 "PUBLIC CORRIDOR-RENOVATION FLOOR PATTERN"

Revision 6 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-111

- a. Detail 3: Wood blocking/shim added behind casework "z" clip.
- b. Detail 3: Locks added to box office casework doors.

Revision 7 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-303:

- a. Detail 12: Added two outlets to box office/offices [102A]

Revision 8 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-306:

- a. Detail 6, the height of the handrail above the stair nosing is clarified as 3'-0"
- b. Detail 4, stair infill detail reference to detail 7/a-306 has been clarified.

Revision 9 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-501: This sheet has been added to describe the scope for modifying the landing at Door 112.2.

Revision 10 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-602:

- a. Room Finish Schedule: Under the notes for the LOBBY [101], the carpets for ADD/ALT#5 have been clarified as CPT-4 and CPT-5
- b. Room Finish Schedule: Revise the paint finish in rooms VESTIBULE 1 [107] and VESTIBULE 2 [108] to PNT-5.
- c. Room Finish Schedule: Revise the floor finish in rooms VESTIBULE 1 [107] and VESTIBULE 2 [108] to CPT-3.
- d. Room Finish Schedule: Revise the floor finish in room CORRIDOR 1A [112] to VCT 2 & 3.

Revision 11 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-603:

- a. Detail 1&4: Added steel plate to wall for anchoring pipe rail gate.

Revision 12 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-604:

- a. Added details 5, 6, 7 & 8 for live end pulley assemblies, dead end pulley assemblies, track splicing clamps and track hanging clamps, respectively.

Revision 13 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-605:

- b. Detail 2: Detail sheet references added for box office casework enclosure.

Revision 14 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-606:

- a. Details 2, 3, 5, 6, 11 & 12: Revised height of pilasters to 4'-8"
- b. Details 1, 7 & 10: Added scribe at back of pilaster and counter supports
- c. Clarifying details added for all details on this sheet.

Revision 15 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-607:

- a. Details for the CURVED BASE PANELS have been relocated to this sheet from sheet A- 608, including additional clarifying notes and dimensions.
- b. Details for the WINDOW CASING have been relocated to this sheet from sheet A-608, including additional clarifying notes and dimensions.

Revision 16 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet A-608:

- a. Details for the TRANSACTION COUNTER and WORK COUNTER have been relocated to this sheet from sheet A-607, including additional clarifying notes and dimensions.
- b. Details for the BOX OFFICE WINDOW DOOR have been relocated to this sheet from sheet A-607, including additional clarifying notes and dimensions.
- c. Details for the CURVED TOP TRIM have been added to this sheet.

Revision 17 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet E-101:

- a. DETAIL 2: Added two outlets to box office/offices [102A]

Revision 18 To Drawings (Refer To Attachment B For Updated Drawings):

Sheet SSD-101:

- a. Revised to show speakers above stage to remain.

Revision 19 To Specifications (Refer To Attachment C For Updated Specifications):

Section 055213 PIPE AND TUBE RAILINGS has been added to the specifications.

Revision 20 To Specifications (Refer To Attachment C For Updated Specifications):

Section 064023 INTERIOR ARCHITECTURAL WOODWORK has been added to the specifications.

Revision 21 To Specifications (Refer To Attachment C For Updated Specifications):

Section 096519 RESILIENT TILE FLOORING

- a. Add Paragraph 2.2 -F-2 "VCT-2: Armstrong – Standard Excelon Imperial Texture- Peat 59240" and Paragraph 2.2 -F3 "VCT-3: Armstrong – Standard Excelon Imperial Texture- Field Gray 59127"

Revision 22 To Specifications (Refer To Attachment C For Updated Specifications):

Section 096813 TILE CARPETING

- b. Add Paragraph 2.2 -CPT-4 and Paragraph 2.3 CPT-5

Revision 23 To Specifications (Refer To Attachment C For Updated Specifications):

Section 096818 SHEET CARPETING

- a. Add Paragraph 2.2 "TUFTED CARPET CPT-3"

Revision 24 To Specifications (Refer To Attachment C For Updated Specifications):

Section 099123 PAINTING

- a. Add paragraph 3.6-5 "PNT-5 – Interior walls for Vestibule 1 [107] and Vestibule 2 [108] SW6258 "Tricorn Black"

Revision 25 To Specifications (Refer To Attachment C For Updated Specifications):

Section 101423 SIGNAGE has been added to the specifications.

Revision 26:

The MFD-V information on the Coversheet (1st Page) of the IFB has been revised to read as follows:

MFD-V Outreach Program

It is the intent of the City of Rockville to increase opportunities for minority, female, disabled, or veteran (MFD-V) owned businesses to compete effectively at supplying goods, equipment, and services to the City, within the constraints of statutory purchasing requirements, departmental needs, availability, and sound economical considerations, including subcontracting

or mentoring opportunities. Suggested changes and MFD-V enhancements to this solicitation's requirements for possible consideration and/or inclusion in future solicitations are strongly encouraged. Any questions regarding MFD-V outreach or questions/concerns regarding the City's bidding process should be addressed to Pat Ryan, pryan@rockvillemd.gov or 240-314-8434.

Additionally, we have received the following questions/comments concerning this Invitation for Bid. Responses to these questions are also provided, where additions, revisions, clarifications, corrections and/or deletions found within the City's responses are incorporated into this Addendum:

1. Reference: DWG A-104 - THEATRE RIGGING REPLACEMENT SCOPE OF WORK - SOW 4 – 1st Electric, SOW 10 – 2nd Electric, SOW 16 – 3rd Electric and SOW 20 – 4th Electric.

Question: How many circuits are on each existing connector strip or can a circuit schedule for the existing dimmer rack be provided in order to determine how many outlets are needed for each 6' connector strip on stage electrics 1 through 4?

Response: Please refer to the most recent circuit map attached with these responses. Noting that this is the current condition, the contractor shall meet with City of Rockville and Fitzgerald Theatre staff to confirm the final configuration, including spreading circuits more evenly between electrics. Note that new electrics shall include built in DMX and other ports to support future LED lights and other accessories.

Per the attached map the existing configuration is as follows-

- **22 separate circuits on Electric 1**
- **13 separate circuits on Electric 2**
- **19 separate circuits on Electric 3**
- **6 separate circuits on Electric 4**

2. Per specification section 013100 - the contractor shall provide web-based project management software and to include seven (7) user licenses for the Architect and Owner team, etc. Please confirm this is required and if so what system should we include?

Response: The use of web based project management software is not required, but is preferred for this project. If provided the selection of the software may be at the offeror's discretion, noting that the City's preference is Procore. Proposals should note if web based project management software will be provided.

3. Is there an engineer's estimate?

Response: In order to preserve the integrity of the bid process, engineer's construction cost estimates can not be made available. Note that the Capital Improvement Budget value for this project, which is available on the City's web site, is a total project budget, and represents all project costs including those outside of construction.

4. Sheet M-001 Fan Schedule shows a fan labeled EF-3, however the location is not shown on the drawings, please advise.

Response: Fan EF-3 is for the dressing room restrooms, Restroom A [124] and Restroom B [125]. It is shown on detail 4 on sheet A-103.

5. Please confirm the requirement of a full-time superintendent for the duration of the project.

Response: The requirement of a full-time superintendent for the duration of the project is confirmed. This is part of the contract terms and conditions, item 44, page 14 of 792.

6. Are we required to have temporary toilets or are we able to utilize the existing restrooms in the building?

Response: Existing restrooms within the facility may be utilized. The existing condition of the restrooms shall be maintained, and if used the restrooms shall be stocked and cleaned by the contractor. Any items damaged by the use of the restrooms shall be repaired or replaced.

7. Please confirm that there is an adequate amount of attic stock for the replacement of the lobby carpet tiles.

Response: The City has 154 tiles in attic stock (616 sq. ft.). Depending on how the work is executed this should be sufficient to provide new carpet for the renovated area. The area depicted in the documents for replacement of the existing carpet is approximately 400 sq. ft. Note that under this addendum the carpet in room Vestibule 1 [107] and Vestibule 2 [108] is being revised so that it is no longer the existing attic stock.

8. Alternate #5 states in the drawings state to install CPT-3, but in the specs it shows installing CPT-2.

Response: This has been revised and coordinated by this addendum. Alternate #5 includes the installation of CPT-4 throughout the lobby, except at the north entry where heavier duty walk off carpet, CPT-5, will be installed. The specification for both of these carpets has been added to specification 096813 TILE CARPETING

Please sign below to acknowledge receipt of addendum and return with your bid.

Sincerely,

Jonathan Pierson, CPSM, C.P.M.
Assistant Director

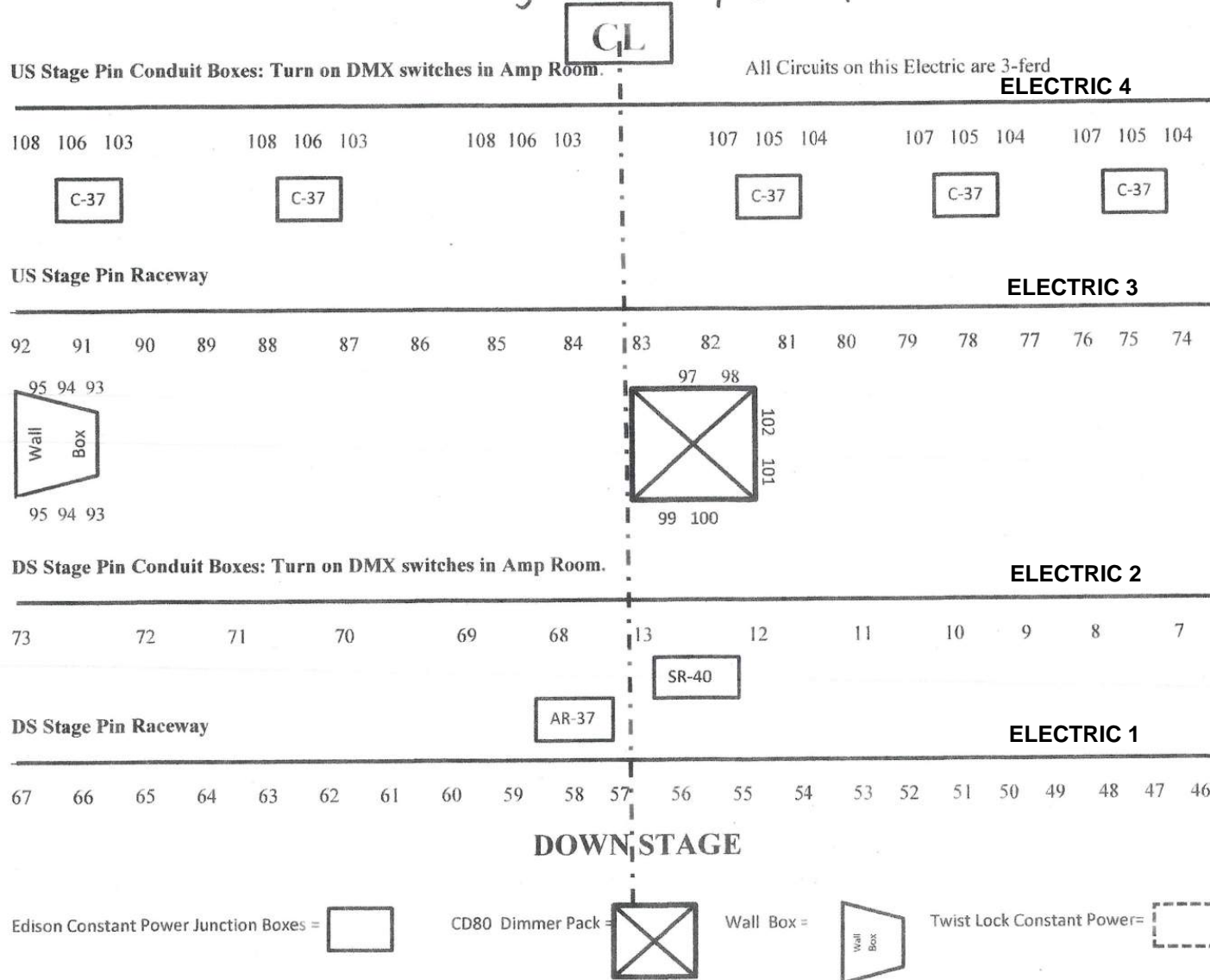
Company Name

Authorized Signature

Date

JWP/jwp

F. Scott Fitzgerald Circuit Map June 2017

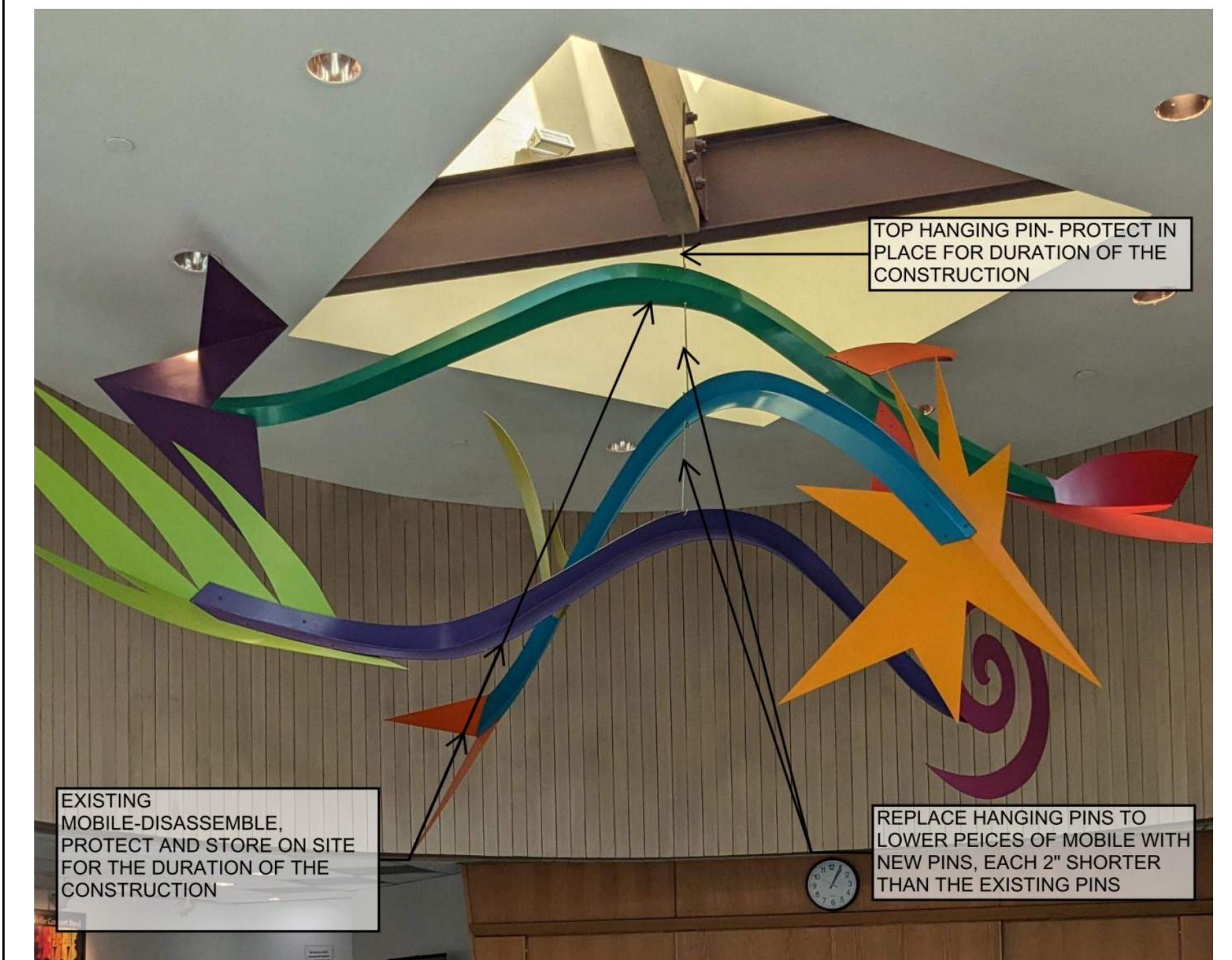


| AD-101 REMOVAL KEY NOTES | |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| R1 | REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES. |
| R2 | REMOVE AND DISPOSE OF EXISTING CASEWORK |
| R3 | RETAIN DOOR. REMOVE DOOR LOCKSET. |
| R4 | REMOVE EXISTING FINISHED FLOORING |
| R5 | REMOVE AND RETAIN REFRIGERATOR FOR REINSTALLATION. SEE CONCESSIONS-RENOVATION |
| R6 | REMOVE AND DISPOSE OF CUSTOM COUNTERS & SUPPORTS |
| R7 | REMOVE AND DISPOSE EXISTING DRINKING FOUNTAIN |
| R8 | REMOVE, PROTECT AND STORE EXISTING LOBBY MOBILE. REFER TO ADDITIONAL NOTES FOR THIS SCOPE, THIS SHEET. |
| R9 | REMOVE EXISTING FINISHED CEILING SYSTEM |
| R10 | REMOVE AND DISPOSE OF EXISTING PARTITIONS, WALLS, DOORS & DOOR FRAMES AS REQUIRED FOR NEW WORK. |
| R11 | REMOVE AND DISPOSE OF EXISTING TOILET STALLS, URINAL SCREEN & SUPPORTS. |
| R12 | PROTECT EXISTING WALL MOUNTED ARTWORK IN PLACE. REFER TO ADDITIONAL NOTES FOR THIS SCOPE, THIS SHEET. |
| R13 | REMOVE AND DISPOSE OF EXISTING TOILET ACCESSORIES: TOILET TISSUE DISPENSER, TOILET SEAT COVER, & GRAB BARS. |
| R14 | REMOVE AND DISPOSE OF EXISTING RESTROOM ACCESSORIES: PAPER TOWEL DISPENSER, MIRROR, BABY CHANGER & SOAP DISPENSER. |
| R15 | REMOVE EXISTING FINISHED FLOORING AS REQUIRED FOR NEW WORK. |
| R16 | REMOVE EXISTING FINISHED CEILING AS REQUIRED FOR NEW WORK. |
| R17 | REMOVE EXISTING WALL MOUNTED FIRE EXTINGUISHER CABINET. |
| R18 | REMOVE EXISTING FIRE ALARM STROBE. RETAIN FOR NEW FOR NEW STROBES IN MEN'S ROOM (104), GENDER NEUTRAL RESTROOM (105) AND WOMEN'S ROOM (106) |
| R19 | REMOVE EXISTING CONCRETE SLAB AS REQUIRED FOR INSTALLATION OF NEW SANITARY PLUMBING |
| R20 | REMOVE INTERIOR OF WALL AS REQUIRED TO CREATE NICHE FOR BABY CHANGING STATION. COORDINATE WITH FINISHED DIMENSIONS ON SHEET A-110. |

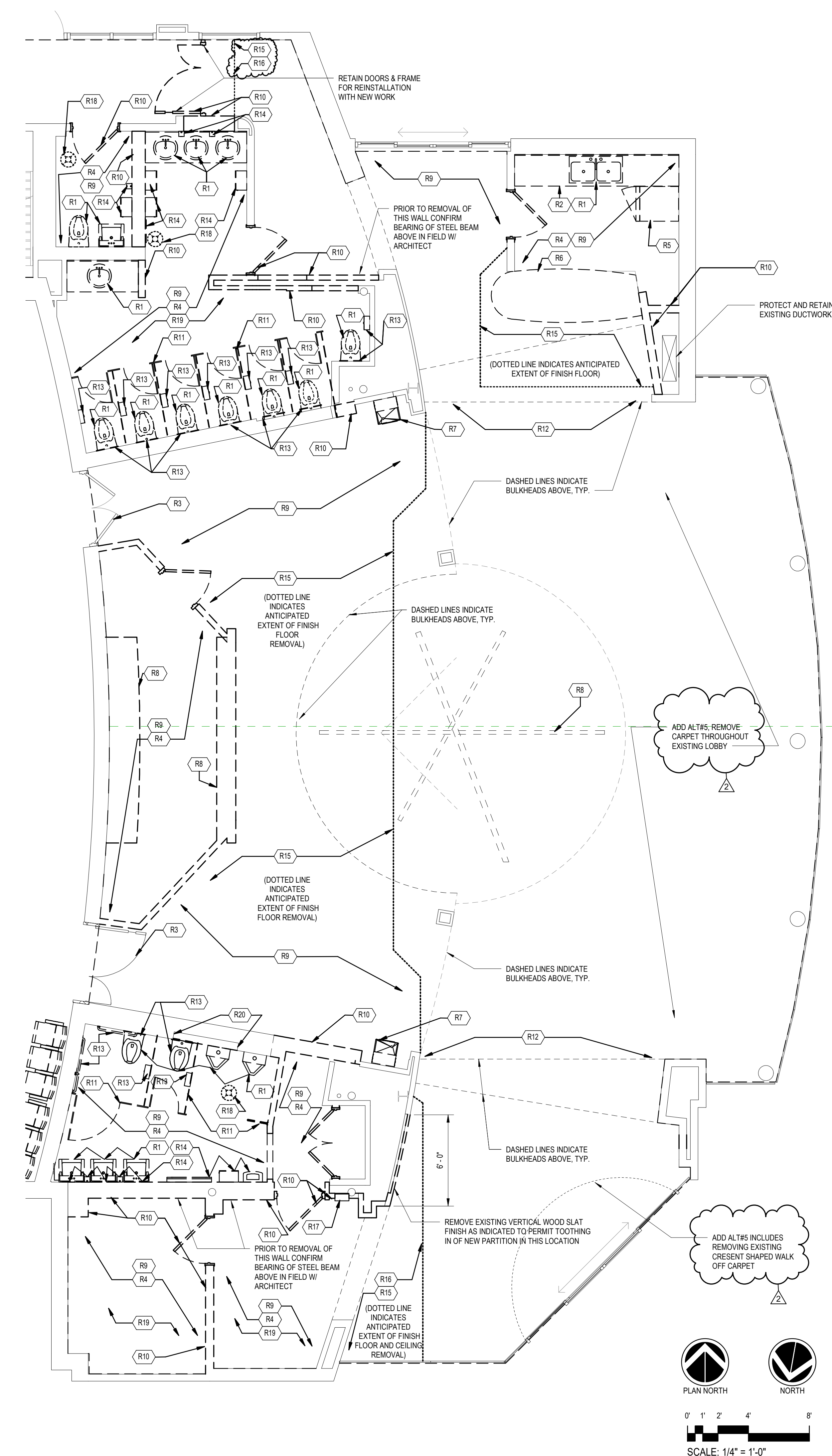
R8-ADDITIONAL NOTES:
 THE EXISTING LOBBY MOBILE SHALL BE DISASSEMBLED, PROTECTED, AND STORED IN A LOCATION TO BE DETERMINED BY THE CITY OF ROCKVILLE WITHIN THE FACILITY THROUGHOUT THE DURATION OF CONSTRUCTION. PROTECTION SHALL INCLUDE, AND A MINIMUM, COMPLETELY WRAPPING ALL THREE PIECES OF THE MOBILE IN SHEETS OF LARGE BUBBLE (1'10" WRAP) SO THAT EACH PIECE IS COMPLETELY ENCAPSULATED. THE BUBBLE WRAP SHALL THEN BE WRAPPED IN PLASTIC SHEET WITH ALL SEAMS TAPED TO PROTECT AGAINST THE INTRUSION OF DUST AND DEBRIS. EACH OF THE PIECES OF THE MOBILE SHALL BE STORED SEPARATELY, Laid HORIZONTALLY ON BLOCKS SET ON THE FLOOR, A MINIMUM OF FIVE BLOCKS FOR EACH PIECE OF THE MOBILE, EVENLY DISTRIBUTED SO THAT THE PIECES DO NOT DISTORT IN STORAGE. PIECES SHALL BE LAID SO THAT THE "Y" SECTION OF PIECES SPINE IS FACING UP. PROVIDE SAFETY CONES AND BLACK AND YELLOW WARNING TAPE AROUND THE STORED MOBILE.

THE HANGING PINS FOR THE BOTTOM TWO PIECES OF THE MOBILE SHALL BE REPLACED. PROVIDE TWO NEW 1/2" DIAMETER STEEL HANGING PINS, MANUFACTURED 2 INCHES SHORTER THAN THE EXISTING PINS, SO THAT UPON REINSTALLATION THE BOTTOM OF THE MOBILE WILL BE ELEVATED 4 INCHES ABOVE THE EXISTING ELEVATION. THE TOP HANGING PIN, WHERE THE MOBILE CONNECTS TO THE BUILDING STRUCTURE, SHALL BE PROTECTED IN PLACE THROUGHOUT THE DURATION OF THE CONSTRUCTION. PROTECTION SHALL INCLUDE WRAPPING THE PIN AND ADJACENT BUILDING STRUCTURE IN BUBBLE WRAP.

UPON COMPLETION OF ALL OTHER CONSTRUCTION WORK IN THE LOBBY, REHANG THE MOBILE UTILIZING THE NEW HANGING PINS.



R12- ADDITIONAL NOTES:
 THE WALL ARTWORK IN THE LOBBY SHALL BE PROTECTED IN PLACE THROUGHOUT THE DURATION OF THE CONSTRUCTION. PROTECTION SHALL INCLUDE, AT A MINIMUM, THAT THE ARTWORK SHALL BE COVERED IN SHEETS OF LARGE BUBBLE (1'14" DIAMETER) WRAP FROM THE SOFFIT BELOW TO THE CLEAR STORY WINDOW ABOVE, AND AROUND THE CORNERS OF BOTH WALLS (WHERE THE ARTWORK IS MOUNTED BELOW THE CEILING SOFFIT), SO THAT THE ARTWORK IS COMPLETELY ENCAPSULATED. THE BUBBLE WRAP SHALL THEN BE COVERED IN PLASTIC SHEET WITH ALL SEAMS TAPED TO PROTECT AGAINST THE INTRUSION OF DUST AND DEBRIS FROM CONSTRUCTION. CONTRACTOR SHOW INSPECT THE ARTWORK PROTECTION NOT LESS THAN TWICE WEEKLY TO VERIFY THAT IT REMAINS INTACT AND AN EFFECTIVE BARRIER FOR PROTECTING THE ARTWORK. DAMAGE TO THE PROTECTION SHALL BE PROMPTLY REPAIRED.



2 NORTH PUBLIC RESTROOM -DEMOLITION PLAN
 AD-101 SCALE: 1/4" = 1'-0"



PROJECT:
 Fitzgerald Theatre ADA Improvements CIP RA20

ARCHITECT:
DELTA
 8401 Connecticut Ave. Suite 350
 Chevy Chase, Maryland
 Phone: 301-718-0080
 Fax: 301-718-9520
 www.delta-eas.com

REGISTRATION:

I certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Maryland.
 license number _____ expiration date _____

| No. | Revision | Date |
|-----|----------------------|------------|
| 1 | REVISIONS FOR PERMIT | 08-30-2024 |
| 2 | ADDENDUM 1 | 10-18-2024 |

PROJECT NO: 2019.331.013
DRAWN BY: LA
CHECKED BY: Checker

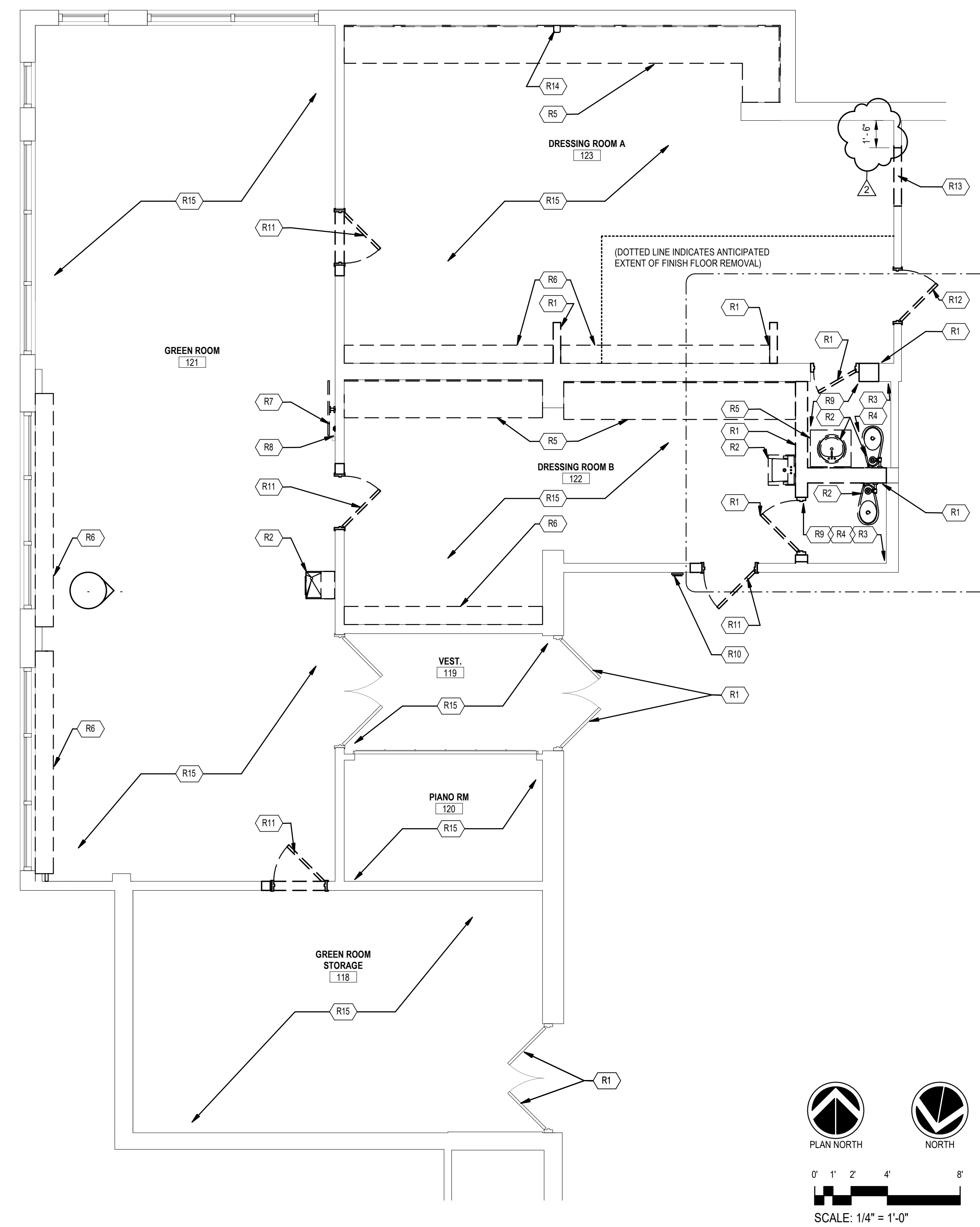
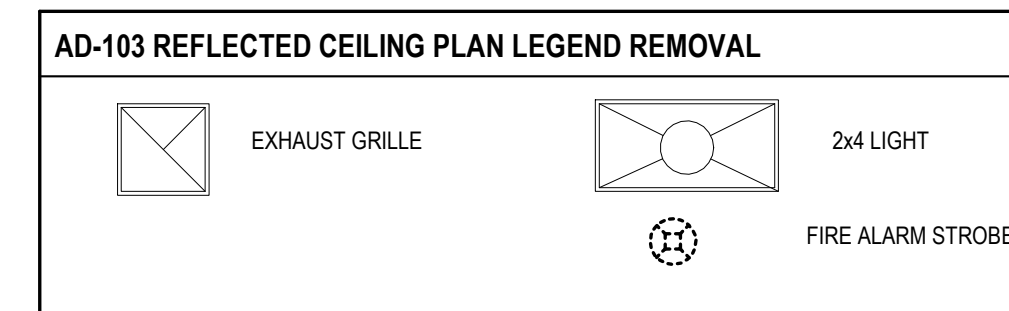
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SHEET TITLE:
 PUBLIC RESTROOM-DEMOLITION PLAN

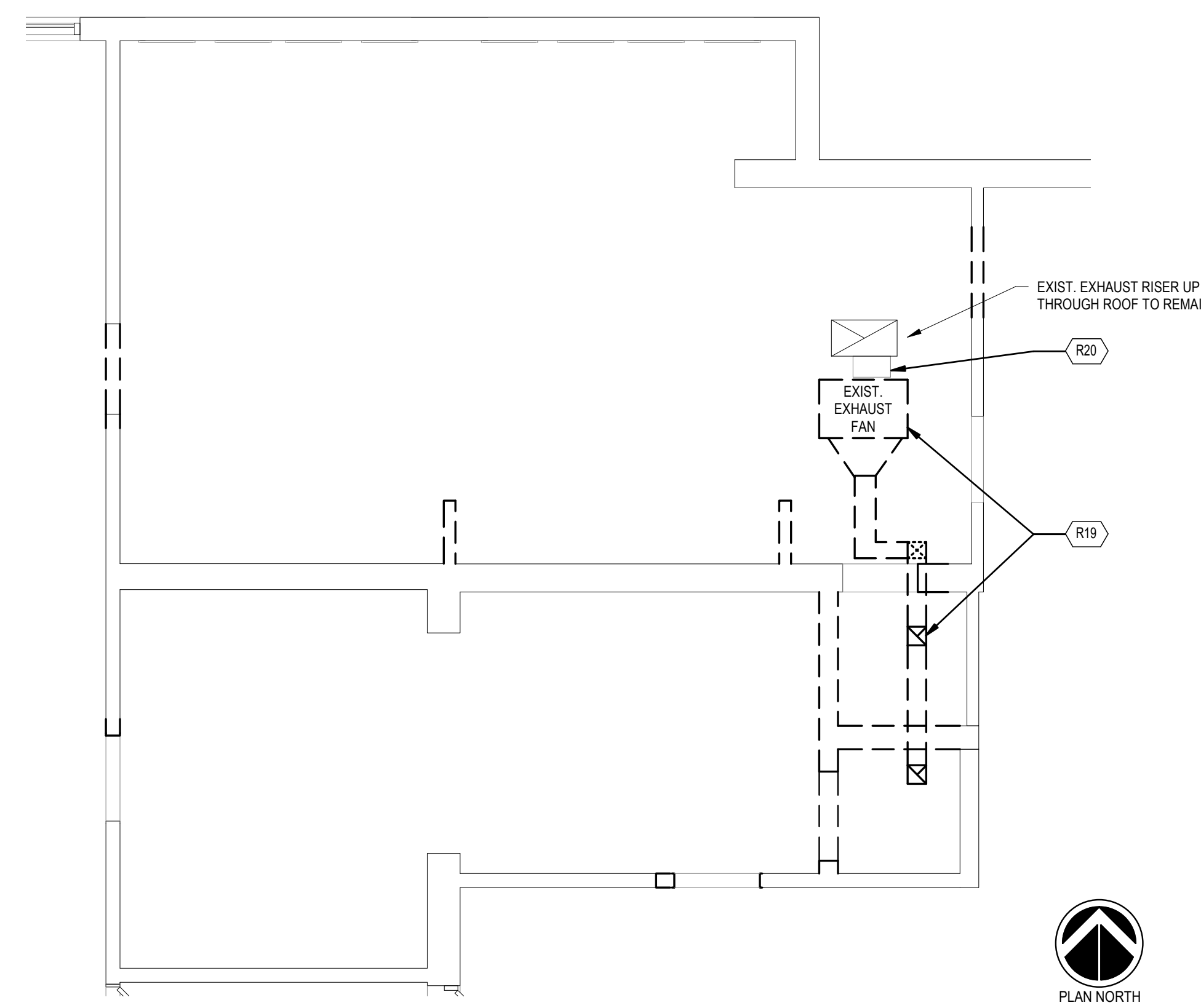
AD-101

AD-103 REMOVAL KEY NOTES

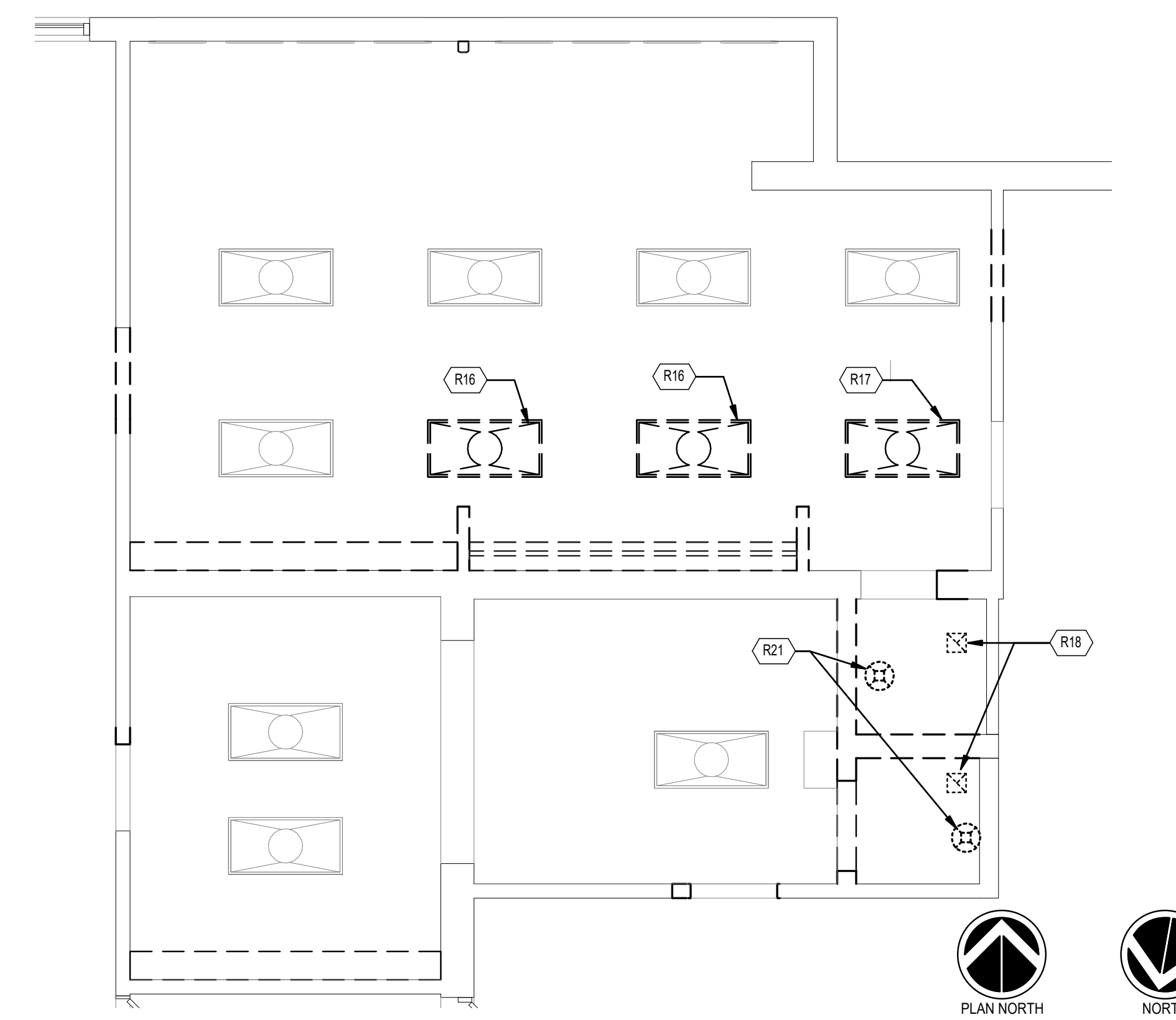
- R1 REMOVE AND DISPOSE OF EXISTING PARTITIONS, WALLS, DOORS & DOOR FRAMES AS REQUIRED FOR NEW WORK.
- R2 REMOVE AND DISPOSE OF EXISTING PLUMBING FIXTURES & PIPING AS REQUIRED FOR NEW WORK.
- R3 REMOVE AND DISPOSE OF EXISTING TOILET ACCESSORIES: TOILET TISSUE DISPENSER, TOILET SEAT COVER, & GRAB BARS, ETC.
- R4 REMOVE AND DISPOSE OF EXISTING RESTROOM ACCESSORIES: PAPER TOWEL DISPENSER, MIRROR, BABY CHANGER & SOAP DISPENSER.
- R5 REMOVE AND DISPOSE OF EXISTING CASEWORK
- R6 REMOVE AND DISPOSE OF EXISTING SHELF, SHIELD BRACKET & CLOTHES ROD. PATCH, REPAIR & PAINT WALL TO MATCH SURROUNDING.
- R7 REMOVE AND RETAIN TELEVISION AND BRACKET FOR REINSTALLATION WITH NEW WORK
- R8 REMOVE SWITCH, RETAIN FOR REINSTALLATION.
- R9 COMPLETELY REMOVE EXISTING FINISH FLOORING
- R10 REMOVE LIGHT SWITCH AND RETAIN FOR REINSTALLATION AT 6'0" A.F.F.
- R11 REMOVE AND DISPOSE OF EXISTING DOOR, FRAME AND PARTITION AS REQUIRED FOR NEW WIDER DOOR
- R12 REMOVE AND DISPOSE OF EXISTING DOOR AND FRAME, PREP OPENING FOR INFILL
- R13 REMOVE AND DISPOSE OF EXISTING PARTITION AS REQUIRED FOR NEW DOOR AND FRAME.
- R14 REMOVE EXISTING WALL MOUNTED HAND SANITIZER, RETAIN FOR REINSTALLATION AT LOWER HEIGHT WITH NEW WORK
- R15 ADDUAL #4 REMOVE AND DISPOSE OF EXISTING FLOORING AND PREPARE FOR NEW FLOORING INSTALLATION.
- R16 REMOVE EXISTING LIGHT FIXTURE AND RETAIN FOR REINSTALLATION WITH NEW WORK.
- R17 REMOVE EXISTING LIGHT FIXTURE AND DELIVER TO OWNER.
- R18 REMOVE EXISTING EXHAUST GRILL AND BRANCH DUCT. PATCH REPAIR CEILING
- R19 DISCONNECT AND REMOVE EXISTING EXHAUST FAN AND BRANCH DUCT WORK. REMOVE ASSOCIATED CONTROLS.
- R20 RETAIN EXISTING EXHAUST DUCT WORK DOWN STREAM OF FAN AND RISER UP THROUGH ROOF.
- R21 REMOVE EXISTING FIRE ALARM STROBE, RETAIN PINTS FOR NEW STROBES IN RESTROOM (124 & 125)



1 DRESSING ROOM & GREEN ROOM-REMOVAL
AD-103 SCALE: 1/4" = 1'-0"



3 DRESSING ROOM & GREEN ROOM RCP-MECHANICAL REMOVAL
AD-103 SCALE: 1/4" = 1'-0"



2 DRESSING ROOM & GREEN ROOM RCP/FIRE ALARM -REMOVAL
AD-103 SCALE: 1/4" = 1'-0"



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Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
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8401 Connecticut Ave. Suite 350
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| 2 | ADDENDUM 1 | 10-16-2024 |
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CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

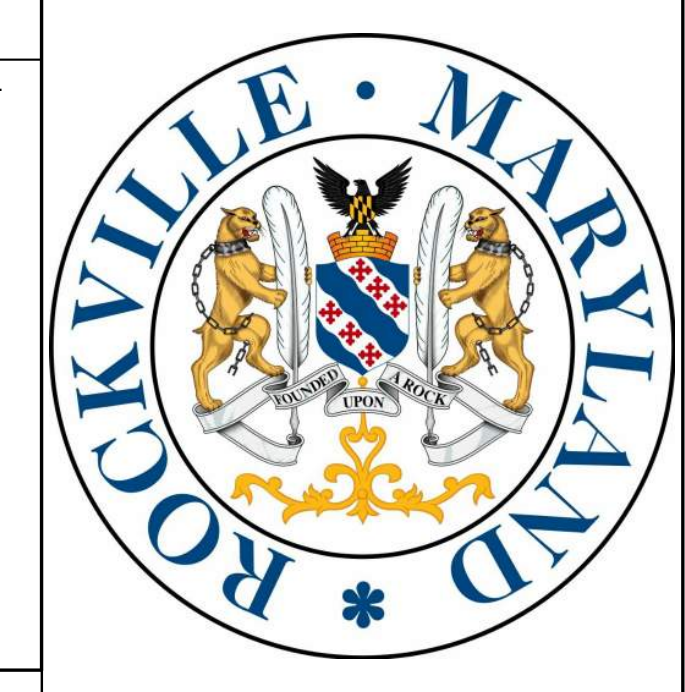
SHEET TITLE:
DRESSING ROOM & GREEN
ROOM-DEMOLITION PLAN

AD-103

| REFLECTED CEILING PLAN LEGEND | |
|-------------------------------|---------------------------------|
| | 2x2 ACOUSTICAL CEILING TILE |
| | SUPPLY DIFFUSER - SIZES VARIES |
| | RETURN DIFFUSER - SIZES VARIES |
| | EXHAUST DIFFUSER - SIZES VARIES |
| | FIRE ALARM STROBES |
| | CEILING HEIGHT A.F.F. |
| | SPRINKLER HEAD |
| | OCCUPANCY SENSOR |
| | EXISTING SPRINKLER HEAD |
| | 2x2 LIGHT |
| | 8\"/> |

NOTE: REFER TO FP, M, AND E DRAWINGS FOR EXACT FIXTURE / EQUIPMENT TYPES, SIZES AND ADDITIONAL INFORMATION.

REFER TO MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION



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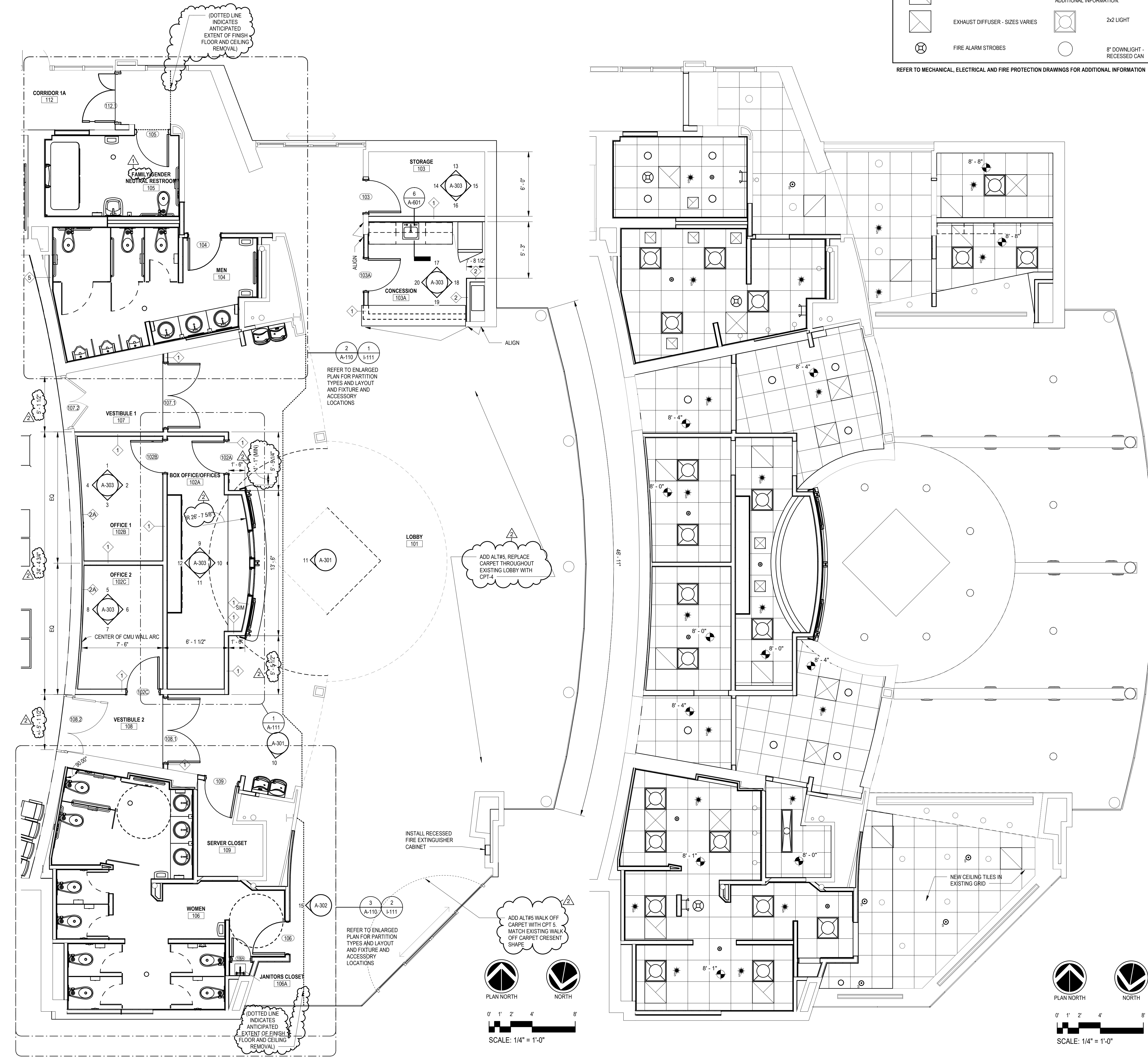
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| 1 | REVISIONS FOR PERMIT | 08-30-2024 |
| 2 | ADDENDUM 1 | 10-18-2024 |

PROJECT NO: 2019.331.013
DRAWN BY: LA
CHECKED BY: DDA

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
**LOBBY & PUBLIC
RESTROOM-NEW WORK
RENOVATION PLAN & RCP**

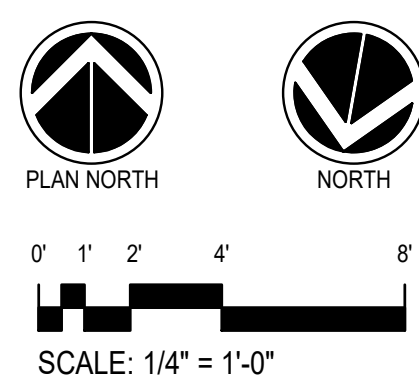
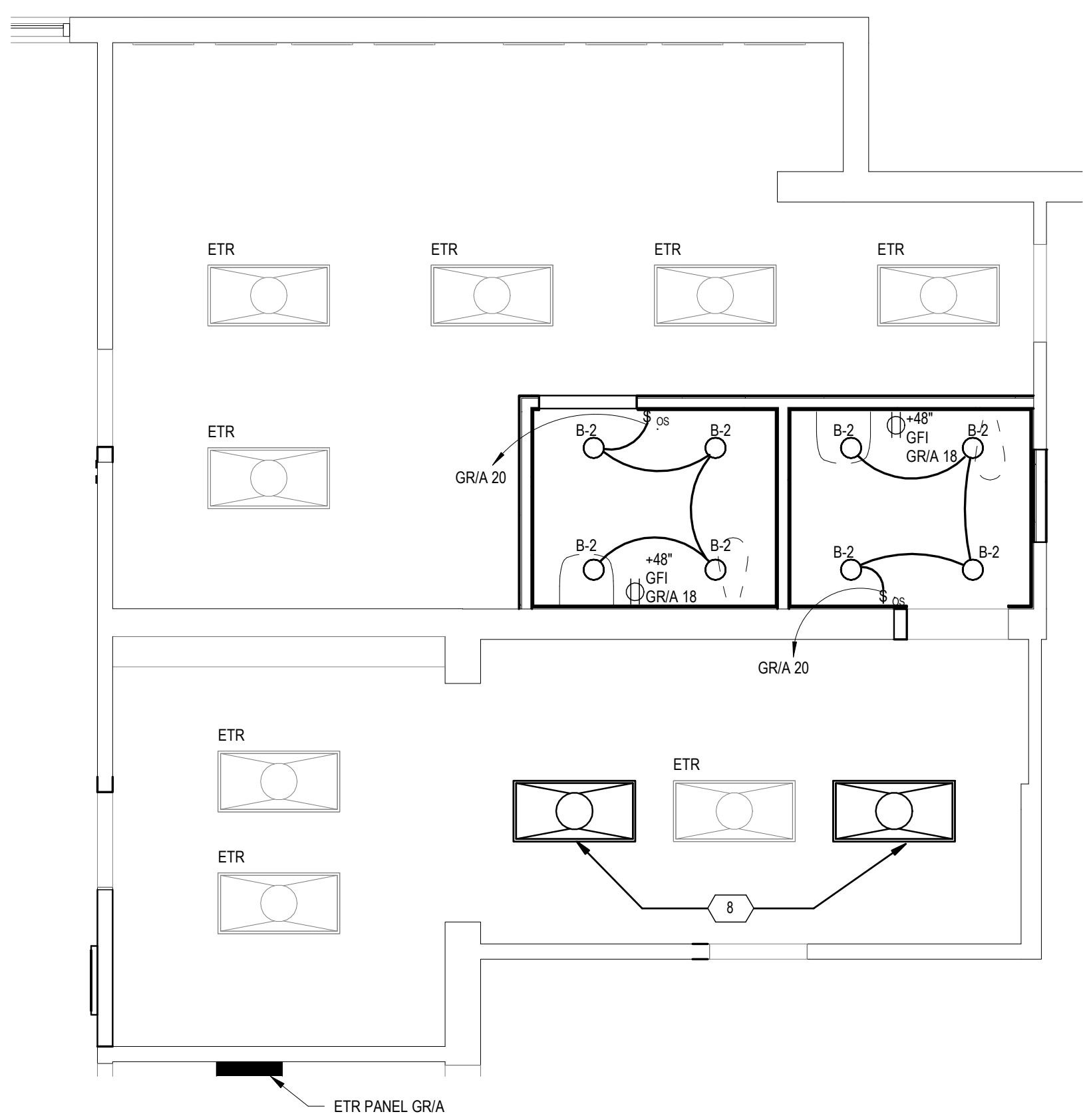
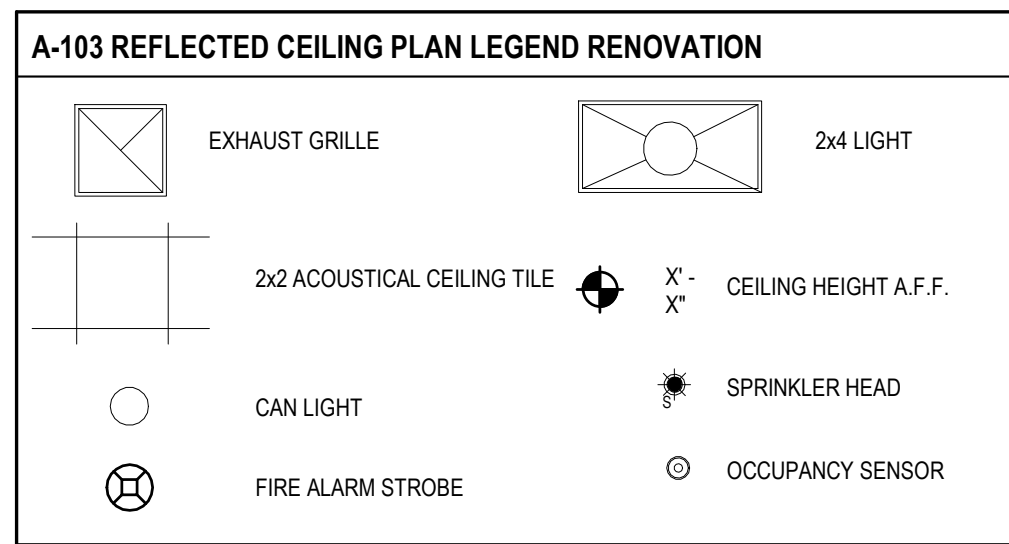
A-101



1 PUBLIC RESTROOM-RENOVATION RCP
SCALE: 1/4" = 1'-0"

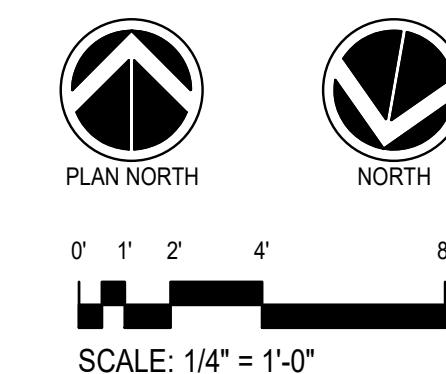
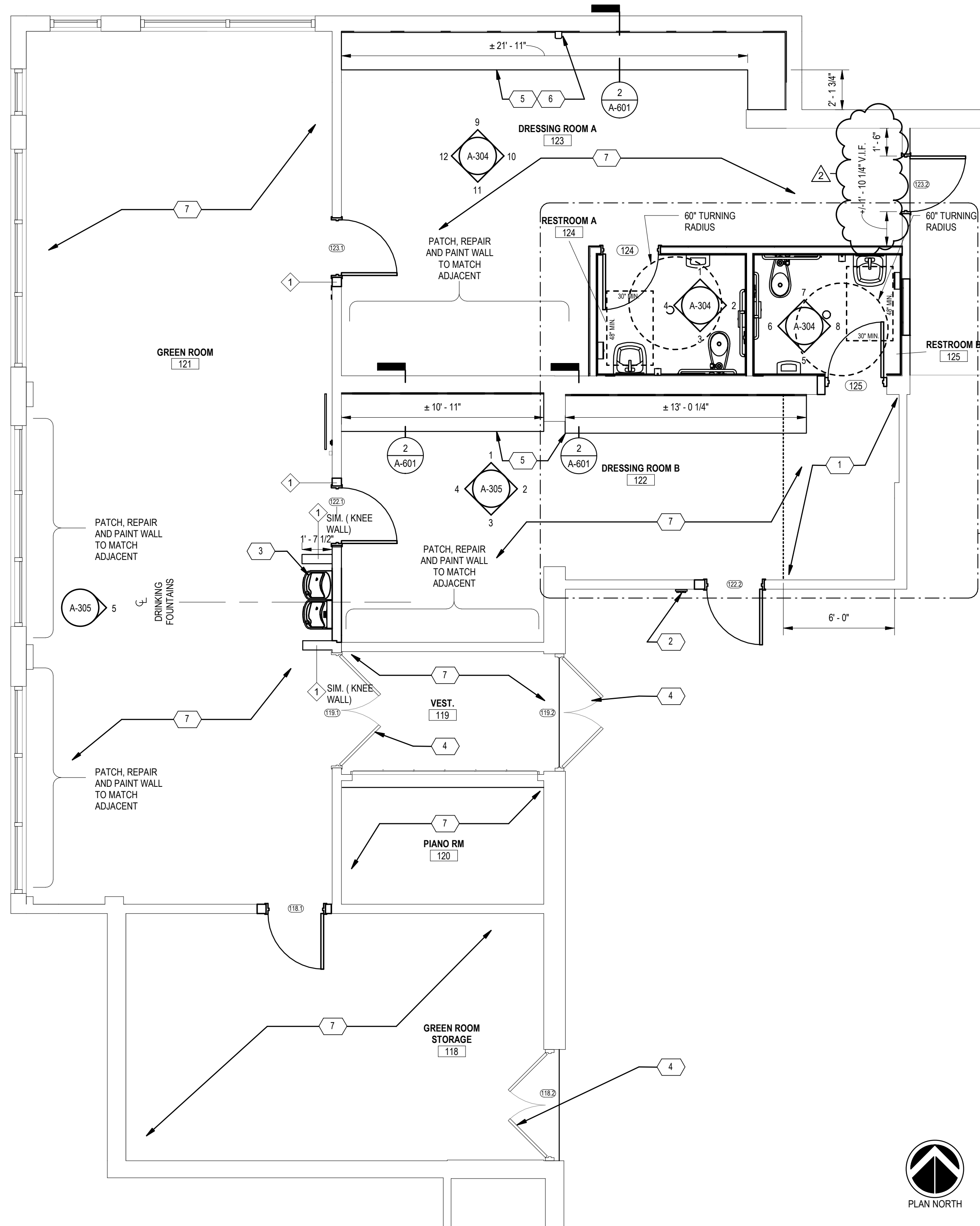
2 PUBLIC RESTROOM-RENOVATION RCP
SCALE: 1/4" = 1'-0"

- A-103 RENOVATION KEY NOTES**
- 1 NEW VCT FLOORING TO MATCH SURROUNDING VCT FLOORING
 - 2 RELOCATE EXISTING SWITCH TO 4'-0" A.F.F.
 - 3 NEW DRINKING FOUNTAIN WITH HILO BOVL - INSTALL AT EXISTING DRINKING FOUNTAIN LOCATION, ADJUST SUPPLY, SANITARY AND VENT PIPING AS REQUIRED.
 - 4 PROVIDE NEW LEVER HARDWARE AT EXISTING DOOR - REFER TO DOOR SCHEDULE.
 - 5 NEW CASSEWORK COUNTERTOP
 - 6 REINSTALL SALVAGED HAND SANITIZER, REFER TO INTERIOR ELEVATIONS FOR LOCATION
 - 7 ADDALT #4. INSTALL NEW LVT-1 FLOORING
 - 8 INSTALL EXISTING SALVAGED 2"x4" LIGHT FIXTURE AS INDICATED. SWITCH WITH EXISTING LIGHT IN ROOM



6 DRESSING ROOM & GREEN ROOM RCP-LIGHTING AND FIRE ALARM
A-103 SCALE: 1/4" = 1'-0"

1 DRESSING ROOM & GREEN ROOM-RENOVATION
A-103 SCALE: 1/4" = 1'-0"



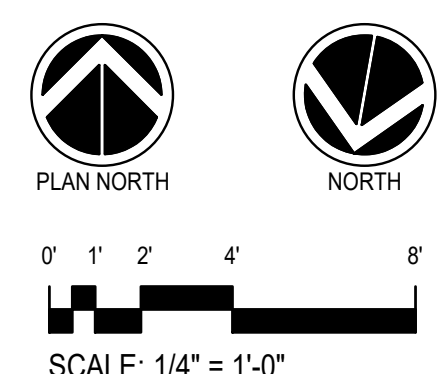
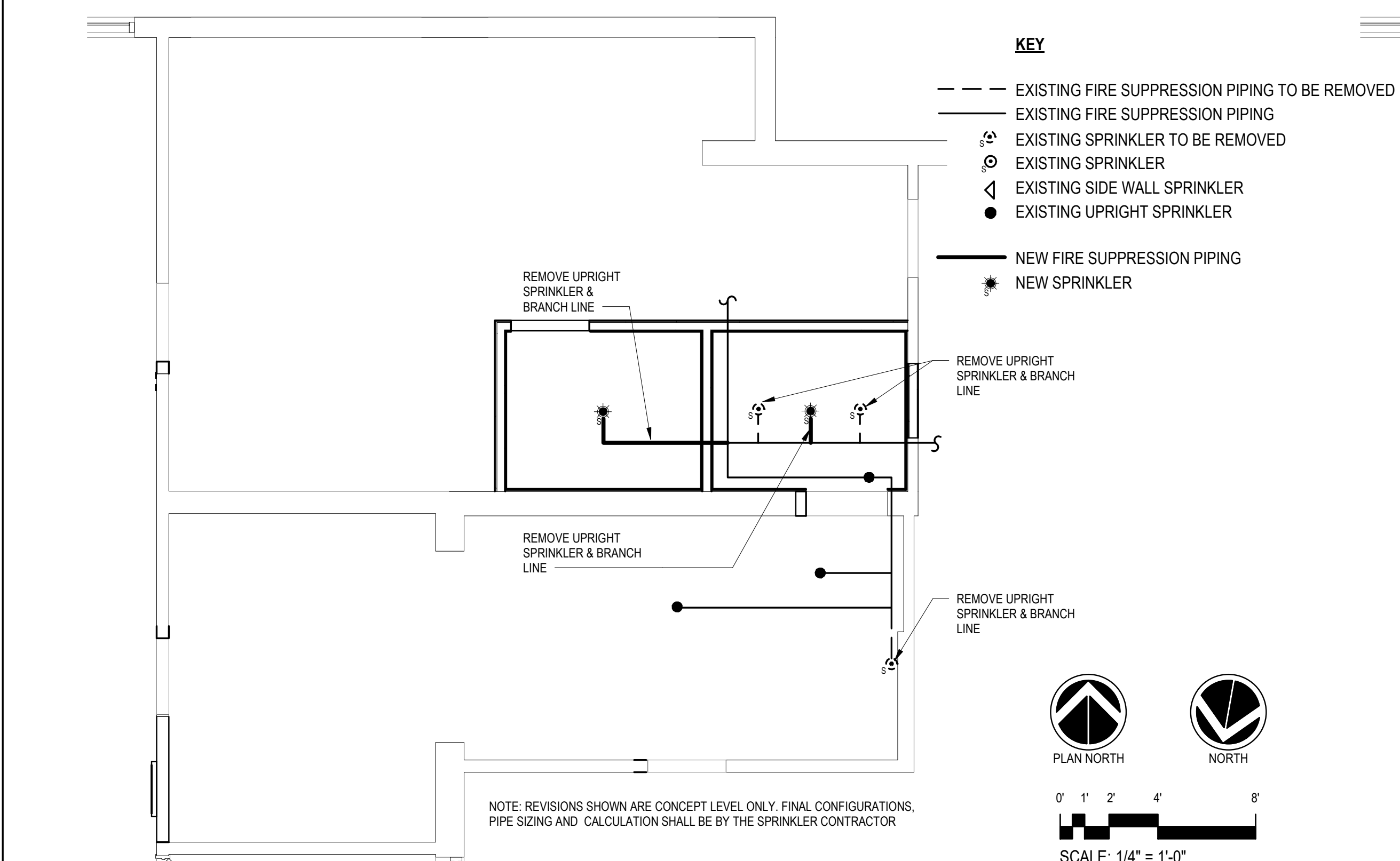
I certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Maryland. license number _____ expiration date _____

| No. | Revision | Date |
|-----|------------|------------|
| 2 | ADDENDUM 1 | 10-16-2024 |

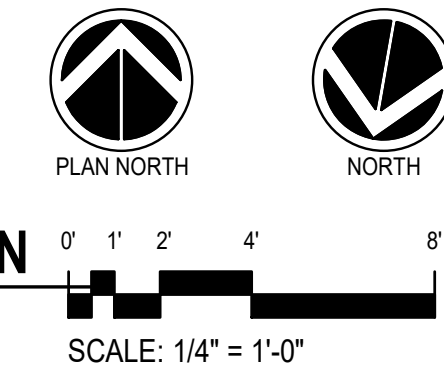
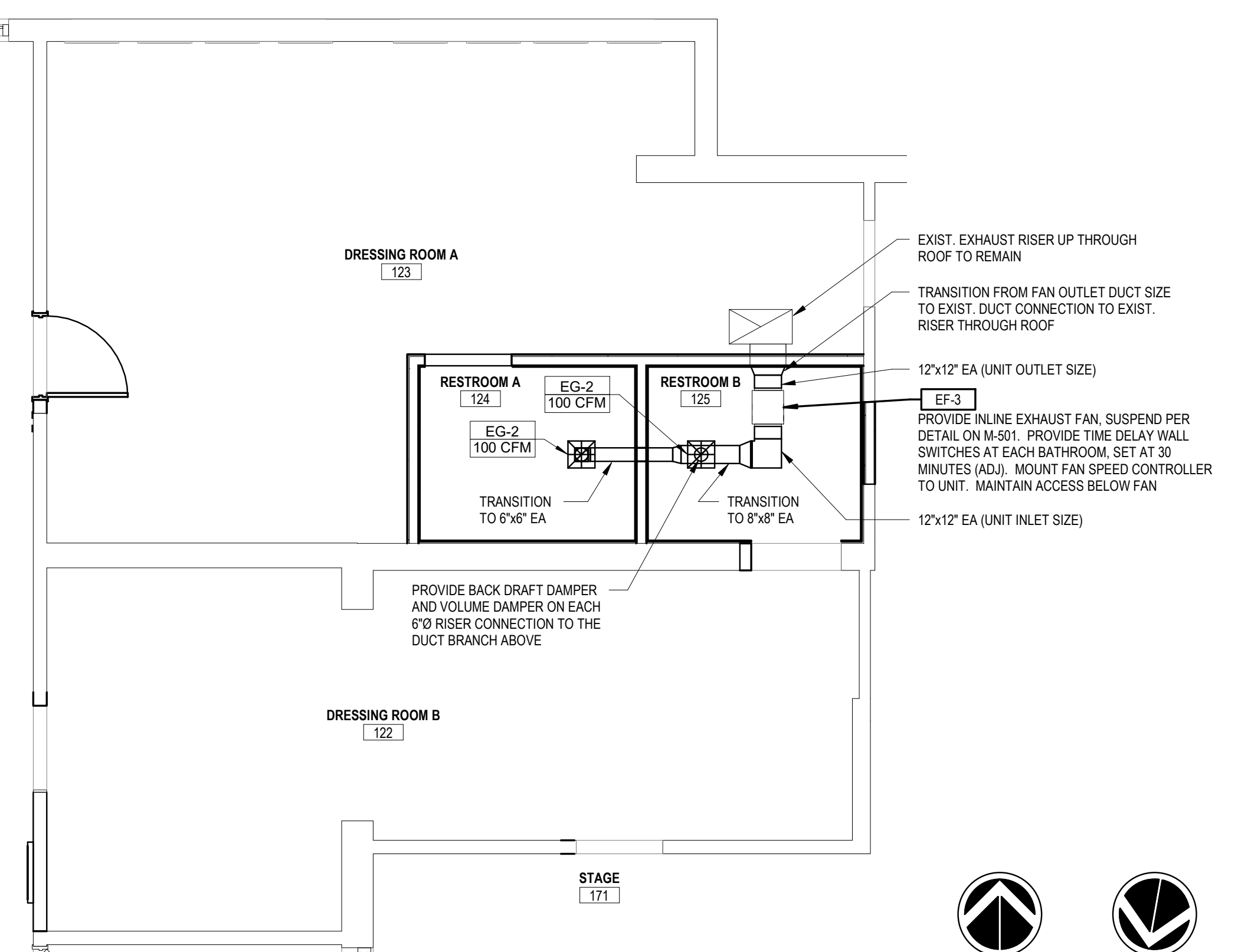
PROJECT NO: 2019.331.013
DRAWN BY: LA
CHECKED BY: DDA
SUBMISSION: 100% 07-01-2024

SHEET TITLE:
DRESSING ROOM & GREEN ROOM-RENOVATION PLAN, REFLECTED CEILING PLAN, MECH. RENOVATION PLAN AND FIRE PROTECTION PLAN

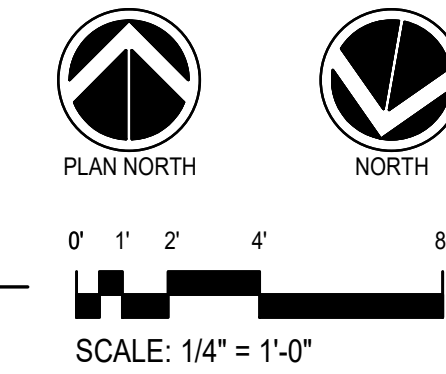
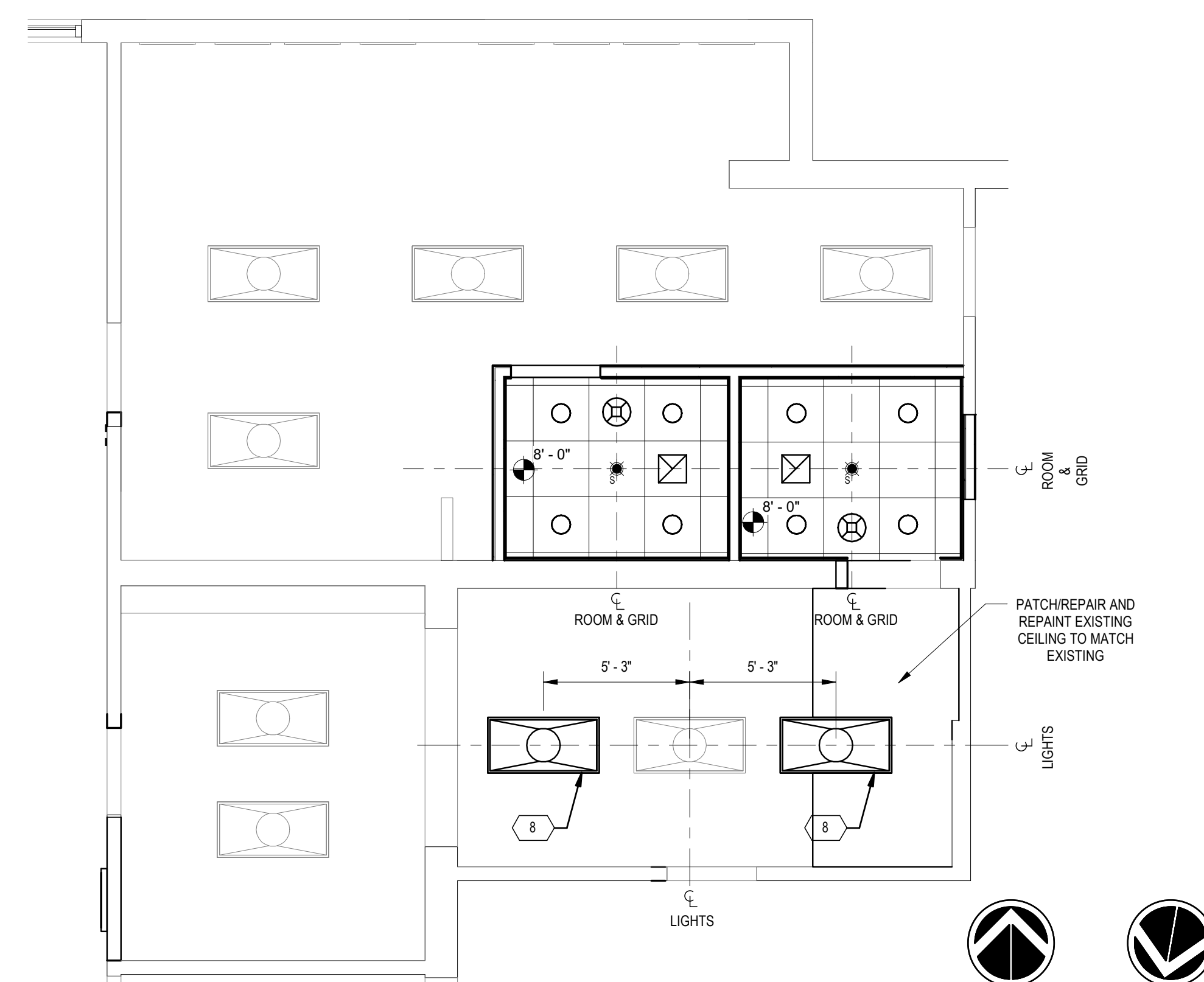
A-103



5 DRESSING ROOM & GREEN ROOM RCP-FIRE PROTECTION RENOVATION
A-103 SCALE: 1/4" = 1'-0"



4 DRESSING ROOM & GREEN ROOM RCP-MECHANICAL RENOVATION
A-103 SCALE: 1/4" = 1'-0"



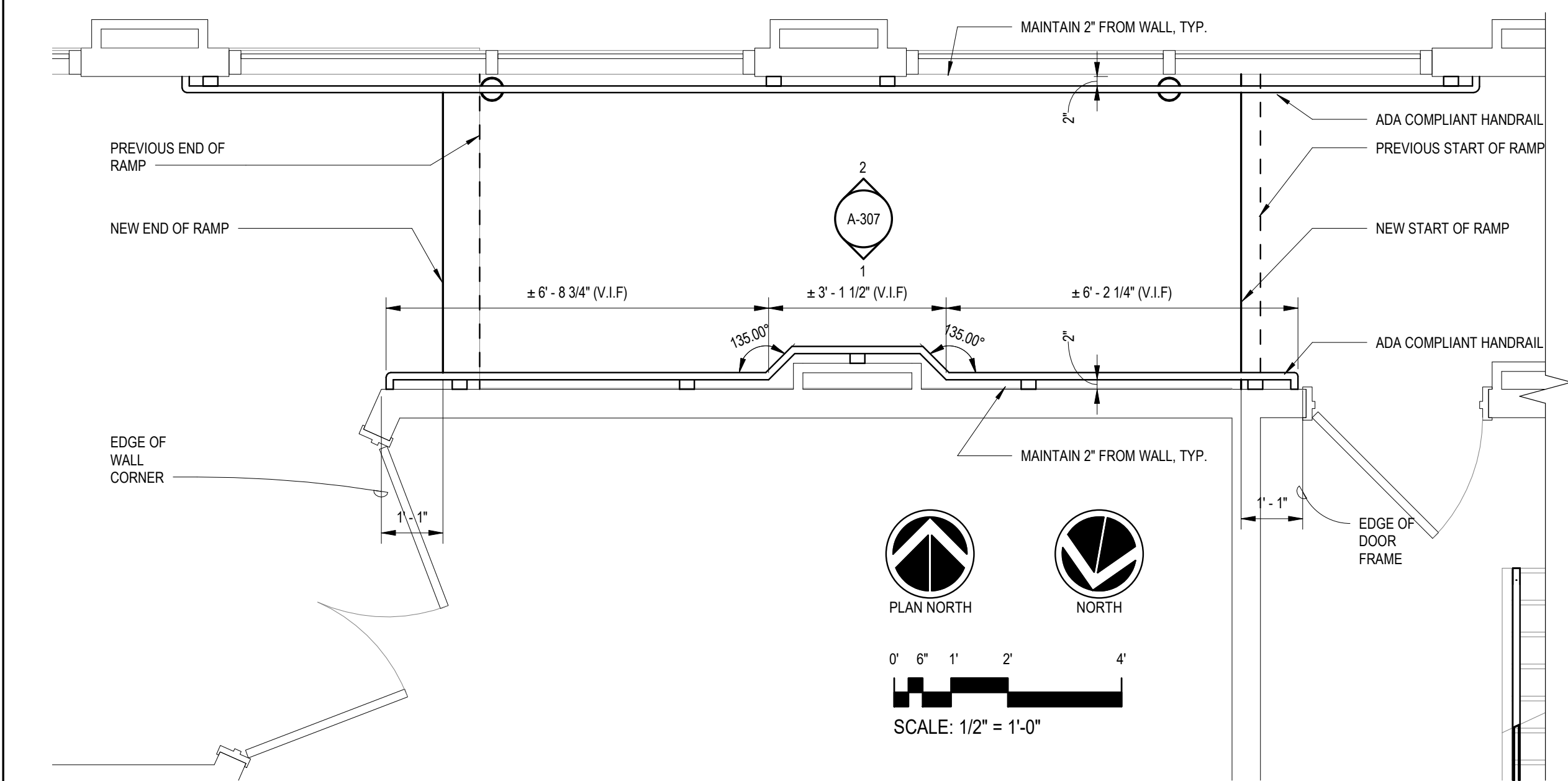
2 DRESSING ROOM & GREEN ROOM-RENOVATION RCP
A-103 SCALE: 1/4" = 1'-0"

A-106 REMOVAL KEY NOTES

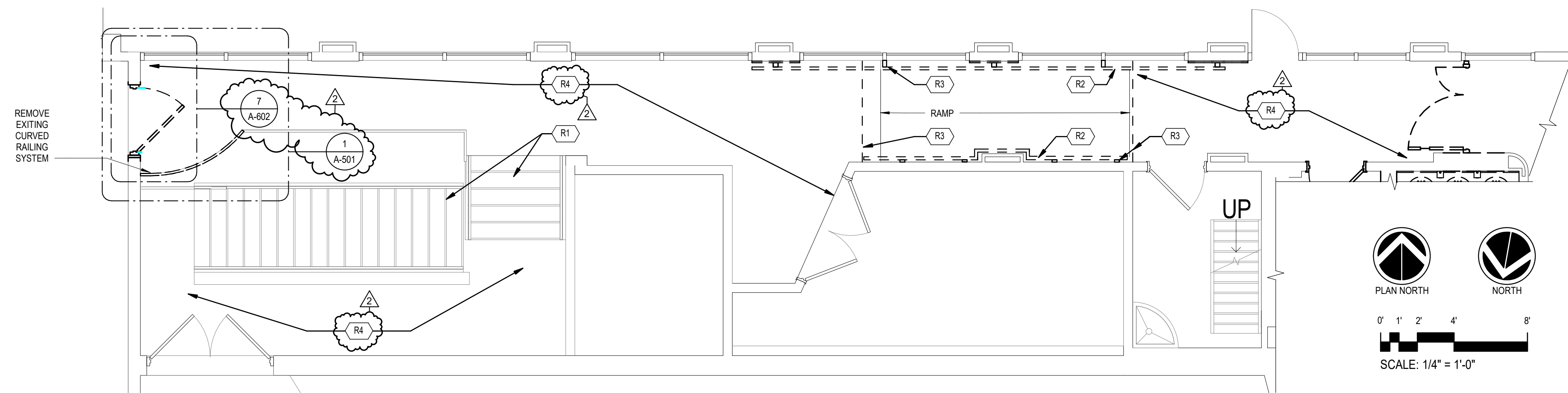
- R1 PREPARE STAIRS FOR THE INSTALLATION WARNING STRIPS ON TOP TREAD, TYP.
- R2 REMOVE AND DISPOSE OF EXISTING RAILS, BRACKETS AND SUPPORTS
- R3 REMOVE EXISTING FINISHED FLOORING AND WALL BASE AS REQUIRED FOR NEW TOPPING SLAB RAMP INSTALLATION
- R4 REMOVE EXISTING FINISHED FLOORING PREPARE FOR NEW VCT FLOORING INSTALLATION

A-106 RENOVATION KEY NOTES

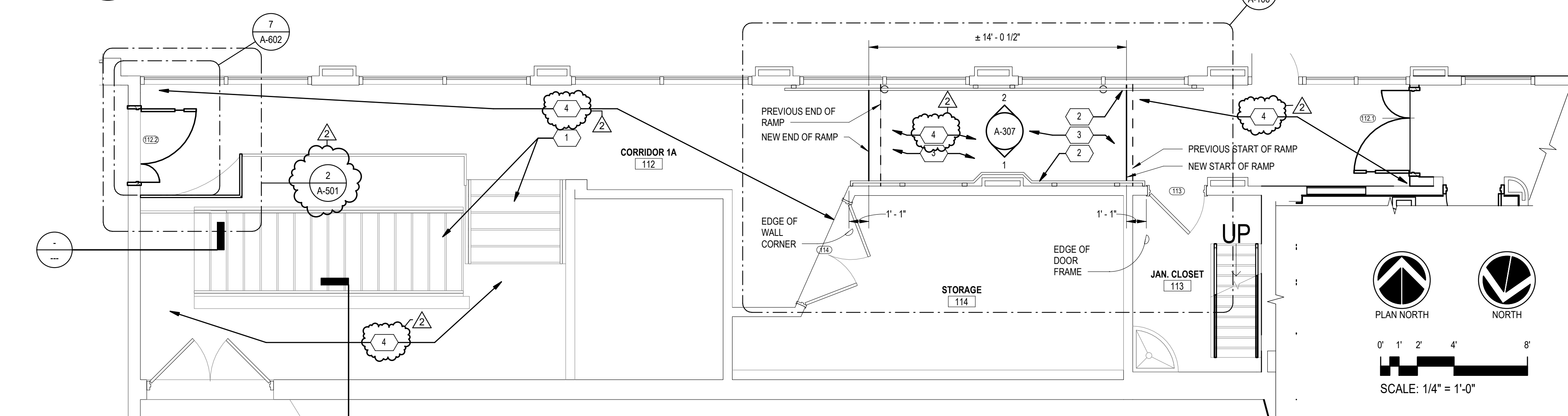
- 1 INSTALL WARNING STRIP ON STAIR NOSING
- 2 NEW ADA COMPLIANT HANDRAIL
- 3 PROVIDE LIGHT WEIGHT TOPPING SLAB (1/2" THICK) FLASH PATCH AS REQUIRED TO INSTALL RAMP IN LOCATION INDICATED. ASSURE 1:12 MAXIMUM SLOPE ACROSS ENTIRE RAMP SURFACE. INSTALL NEW STAIN FLUSH WOOD BASE AT NEW RAMP SLOPE
- 4 NEW VCT FLOORING



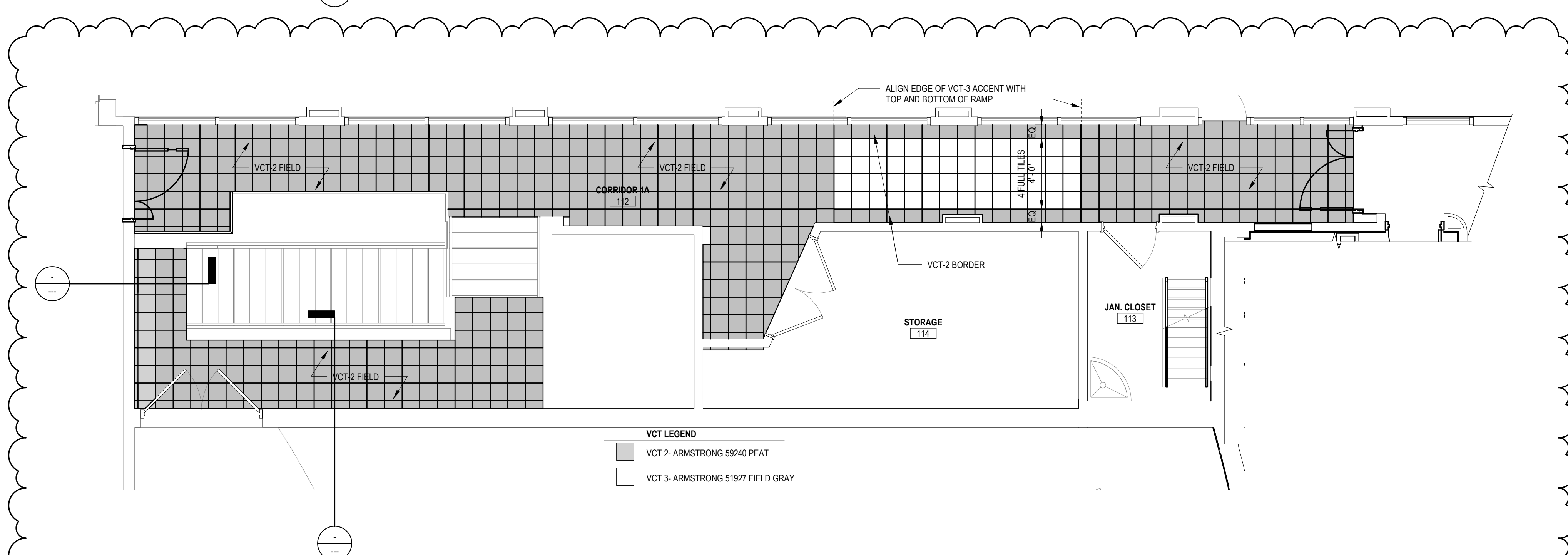
3 PUBLIC CORRIDOR-RENOVATION ENLARGE PLAN
A-106 SCALE: 1/2" = 1'-0"



1 PUBLIC CORRIDOR-REMOVAL
A-106 SCALE: 1/4" = 1'-0"



2 PUBLIC CORRIDOR-RENOVATION
A-106 SCALE: 1/4" = 1'-0"



4 PUBLIC CORRIDOR-RENOVATION FLOOR PATTERN
A-106 SCALE: 1/4" = 1'-0"



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
www.delta-eas.com

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|-----|------------|------------|
| 2 | ADDENDUM 1 | 10-16-2024 |

PROJECT NO: 2019.331.013
DRAWN BY: LA
CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
PUBLIC CORRIDOR- PLAN

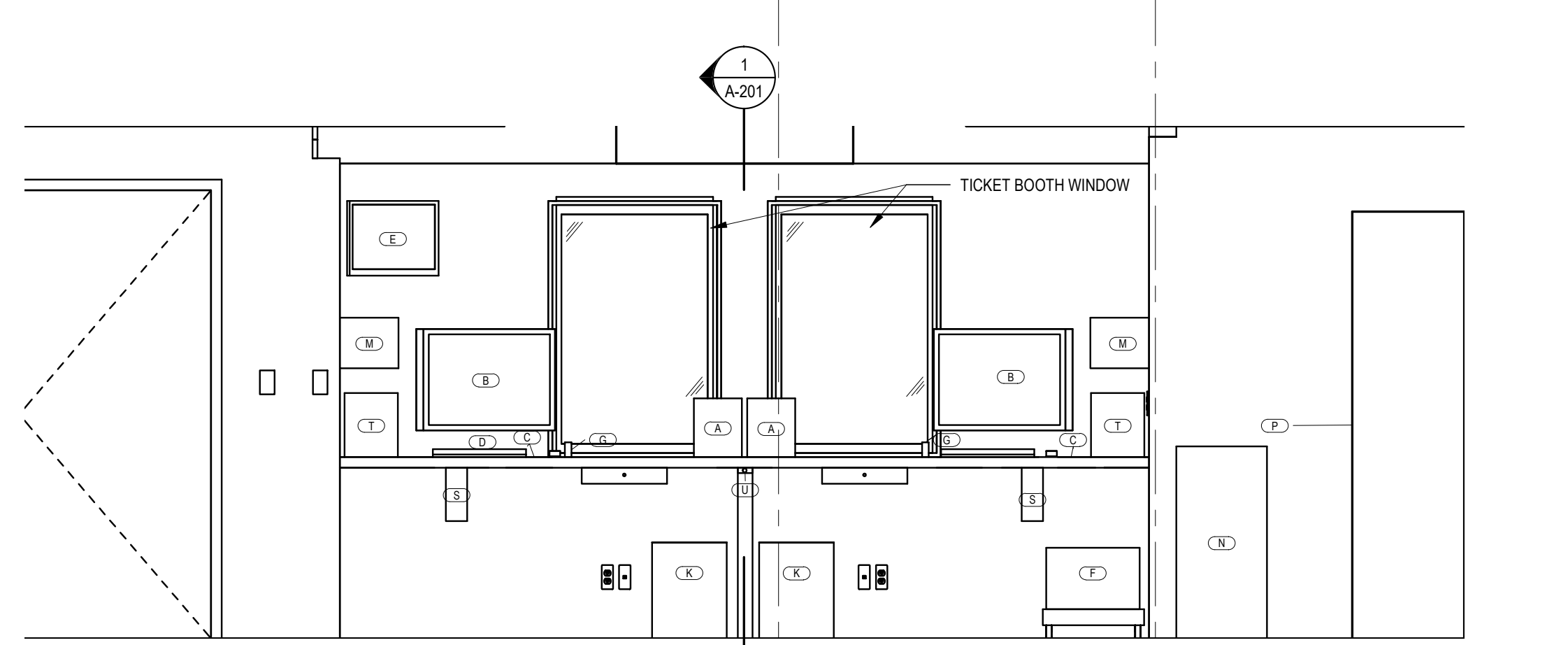
A-106

| TICKET OFFICE EQUIPMENT SCHEDULE - CA101 | | | |
|------------------------------------------|-------|----------------------|---------------------|
| EQUIPMENT NUMBER | Count | Model | Description |
| A | 2 | BOCCA SYSTEM LEMUR-S | |
| B | 2 | MONITOR | WALL MOUNTED w/ ARM |
| C | 2 | MOUSE PAD & MOUSE | |
| D | 2 | KEYBOARD | |
| E | 1 | SECURITY MONITOR | WALL MOUNTED w/ ARM |
| F | 1 | HP PRINTER | |
| G | 2 | STAPLER | |
| J | 2 | CASH DRAWER | |
| K | 2 | TRASH CAN | |
| M | 2 | PHONE | WALL MOUNTED |
| N | 1 | SHREDDER | |
| O | 1 | LOCKER UNIT | |
| P | 1 | ELECTRICAL TOWER | |
| S | 2 | COMPUTER | |
| T | 2 | DESK ORGANIZER | |
| U | 1 | PANIC BUTTON | |

2 BOX OFFICE/OFFICES EQUIPMENT ELEVATION

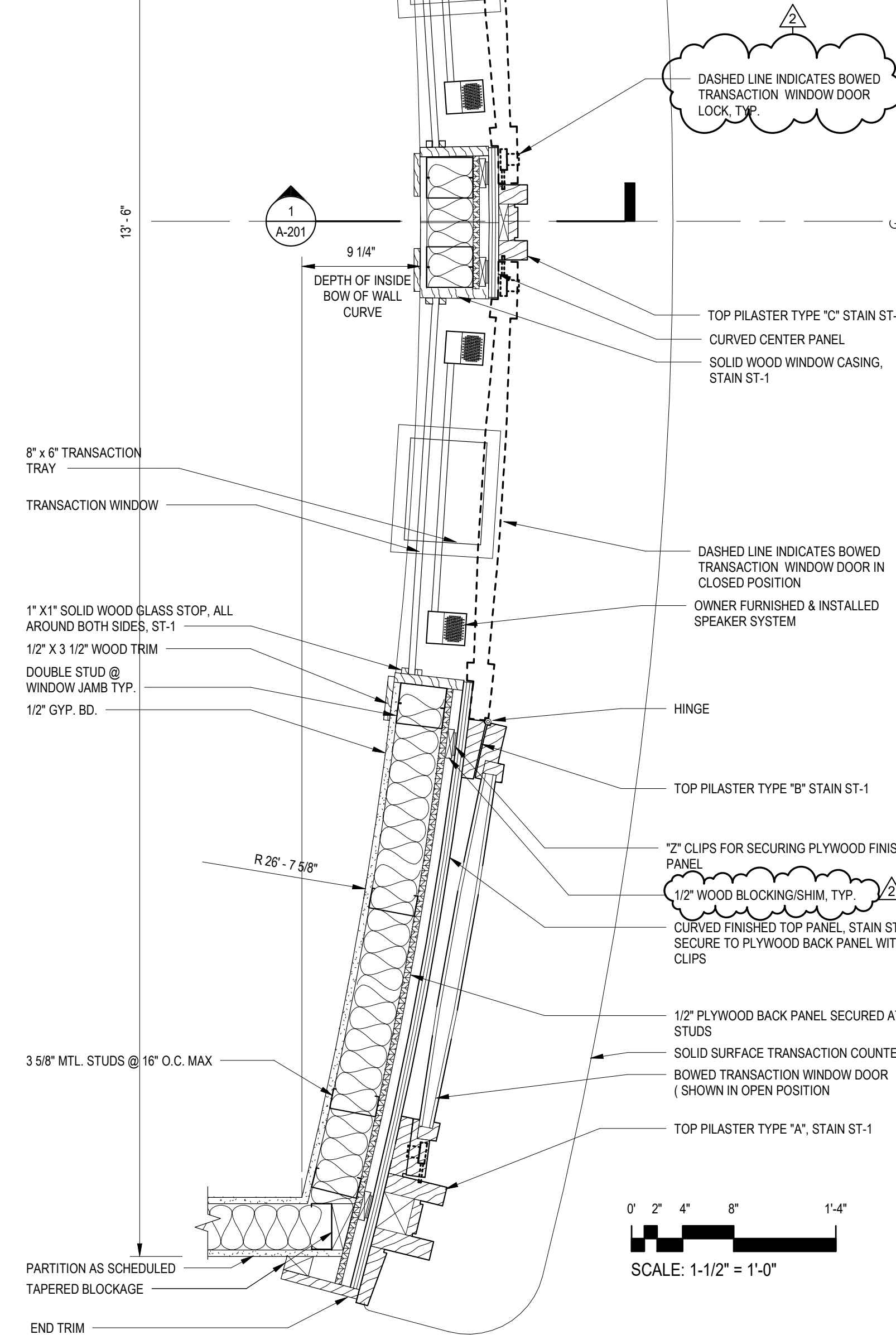
SCALE: 1/2" = 1'-0"

NOTE: ALL EQUIPMENT IS SHOWN IS OWNER FURNISHED AND INSTALLED



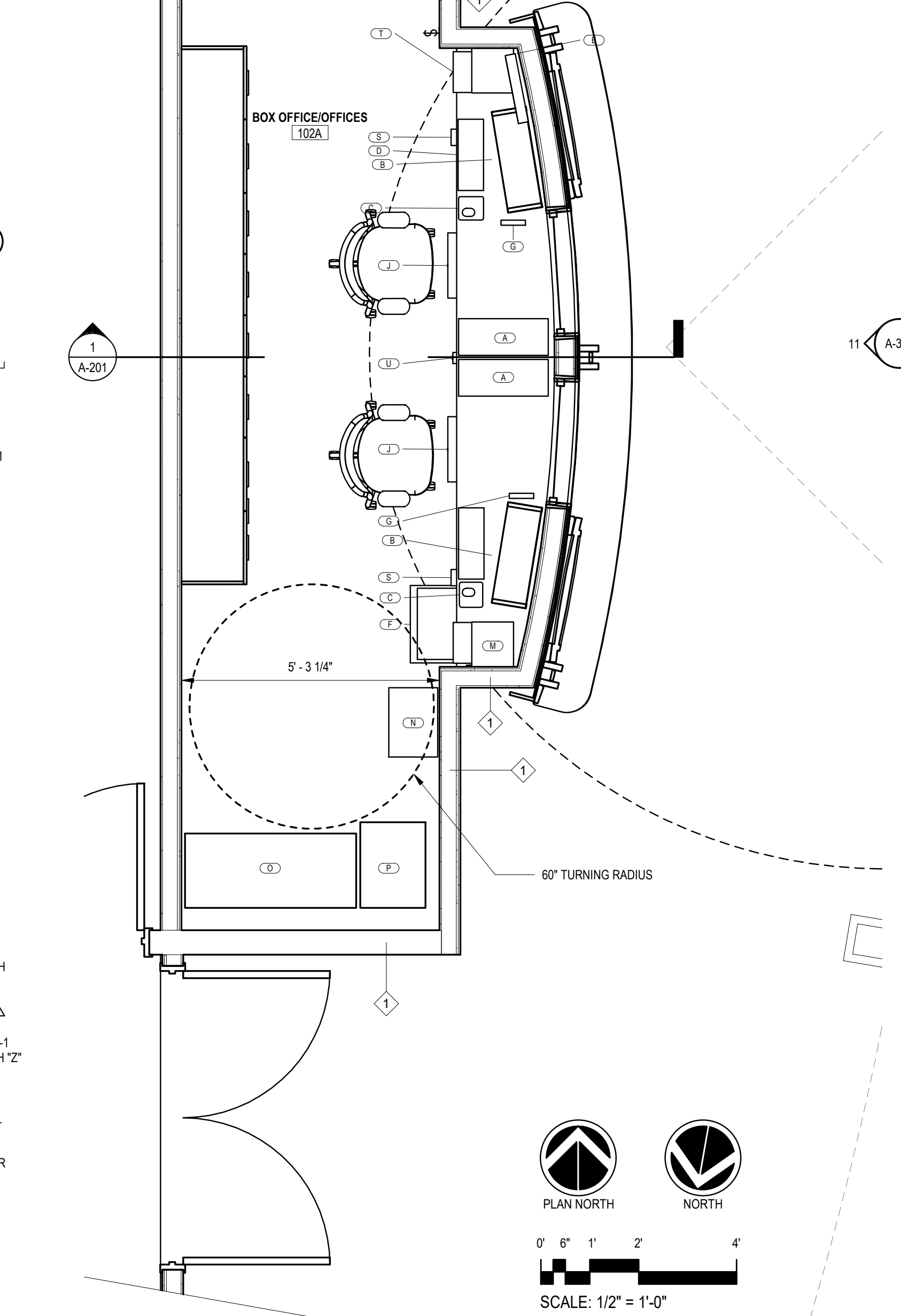
3 BOX OFFICE/OFFICES WALL DETAIL

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



1 BOX OFFICE/OFFICES EQUIPMENT LAYOUT

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



NOTE: ALL EQUIPMENT IS SHOWN IS OWNER FURNISHED AND INSTALLED



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave., Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
www.delta-eas.com

REGISTRATION:

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| No. | Revision | Date |
|-----|------------|------------|
| 2 | ADDENDUM 1 | 10-16-2024 |
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PROJECT NO: 2019.331.013
DRAWN BY: LA
CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
**BOX OFFICE ENLARGE PLAN,
ELEVATION & SCHEDULES**

A-111



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
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| No. | Revision | Date |
|-----|------------|------------|
| 2 | ADDENDUM 1 | 10-18-2024 |
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PROJECT NO: 2019.331.013
DRAWN BY: LA
CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
PUBLIC LOBBY CONCESSION
& TICKET/SALES
OFFICE-ELEVATION

A-303



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
www.delta-eas.com

REGISTRATION:

I certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Maryland. license number _____ expiration date _____

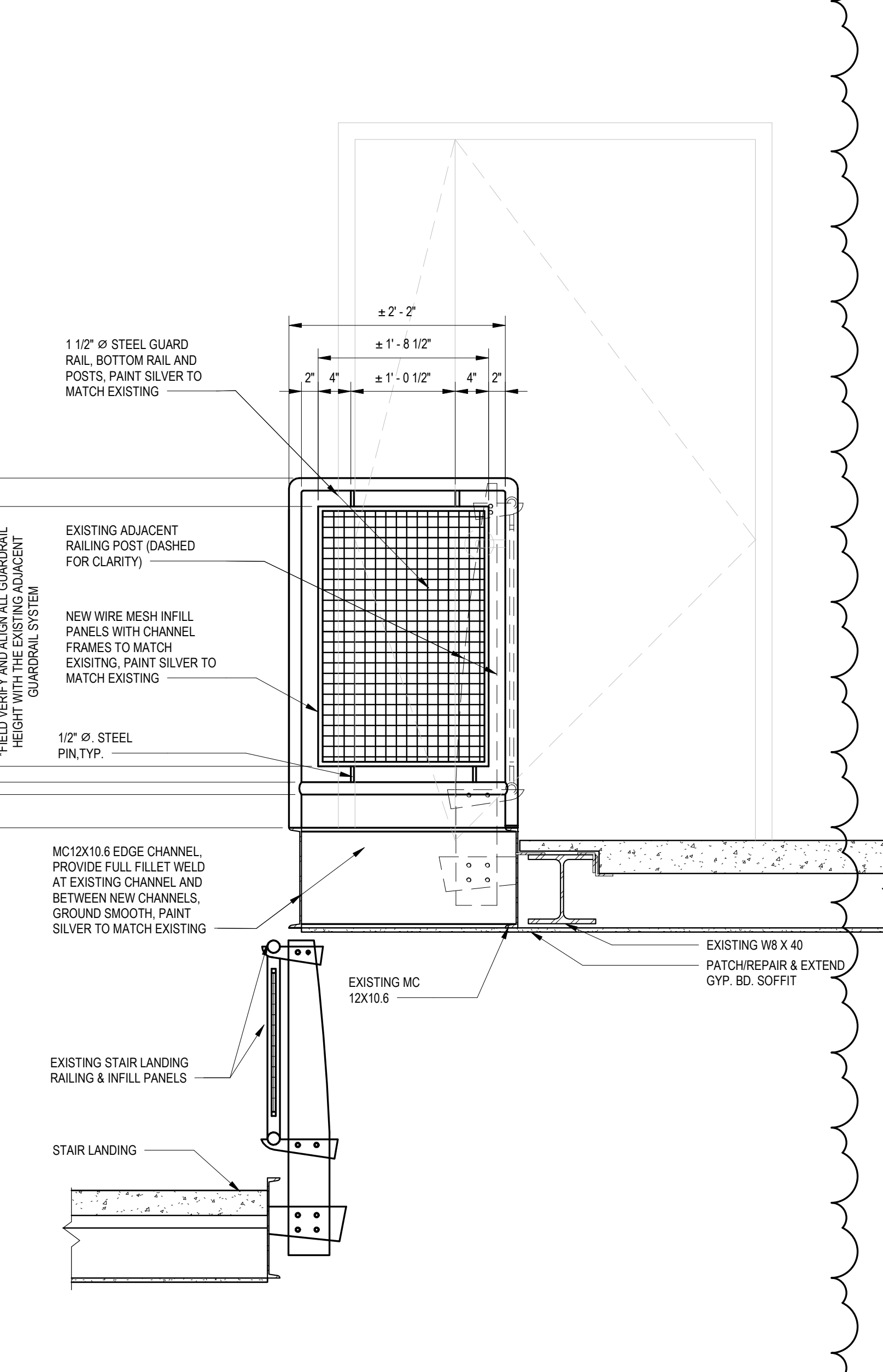
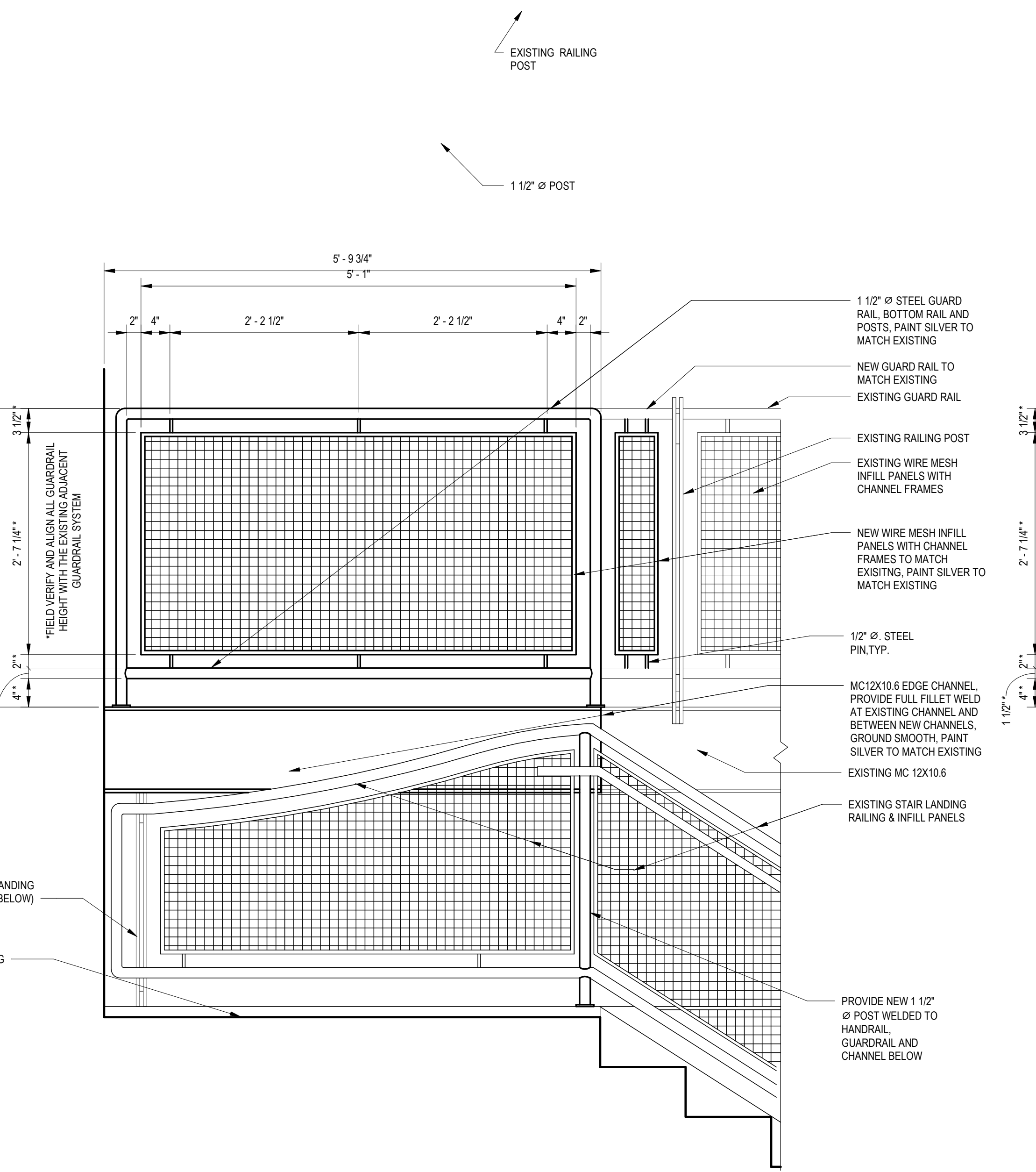
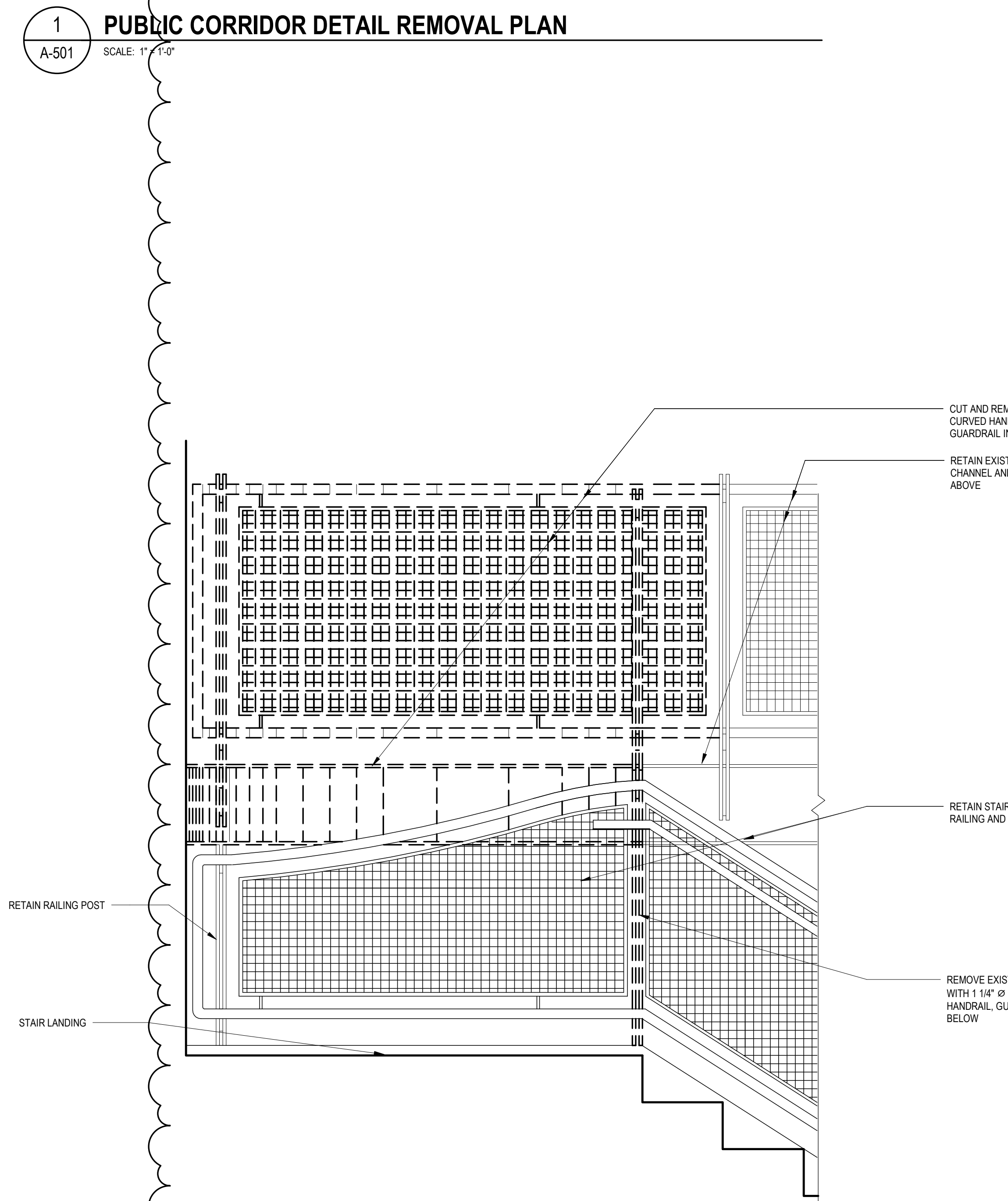
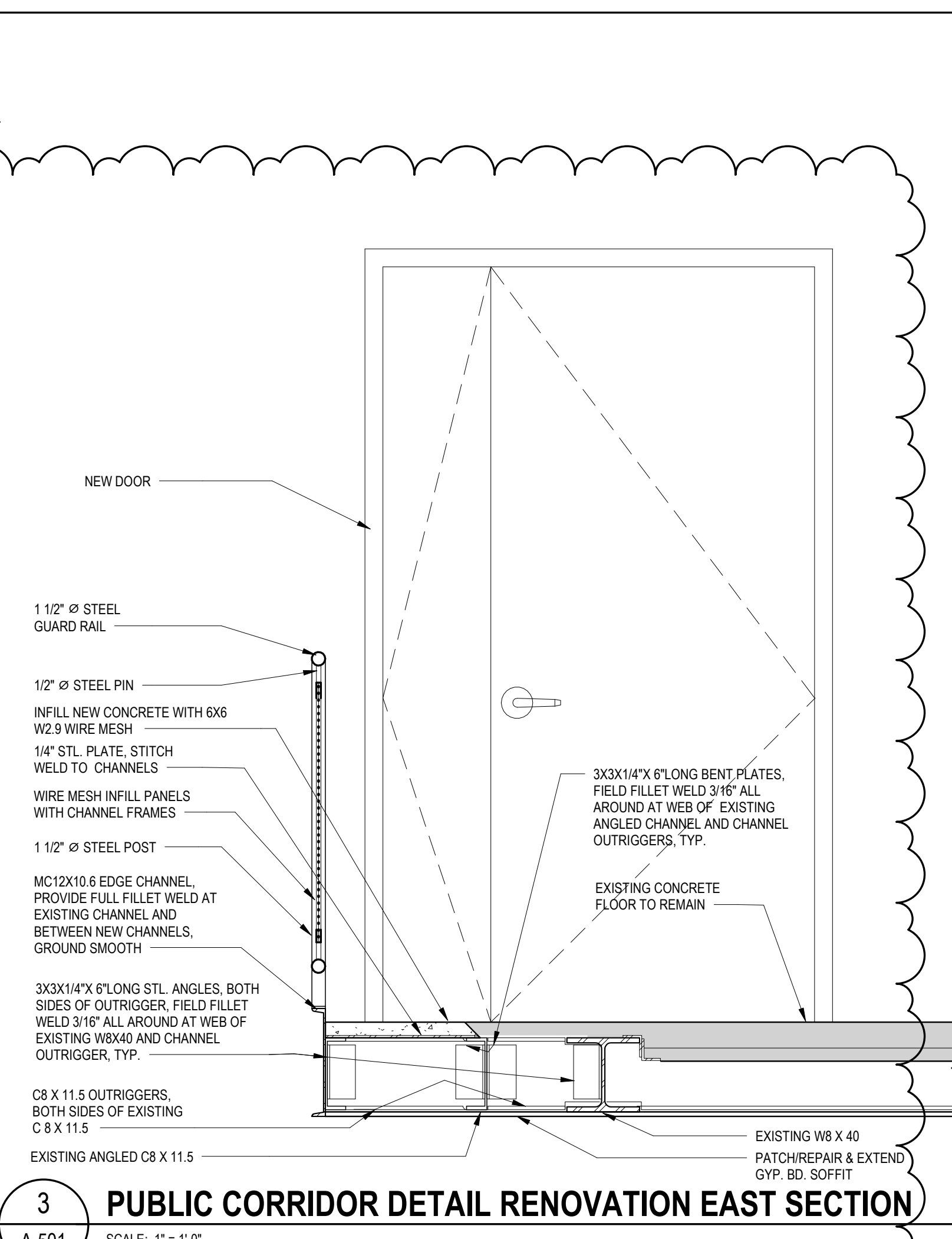
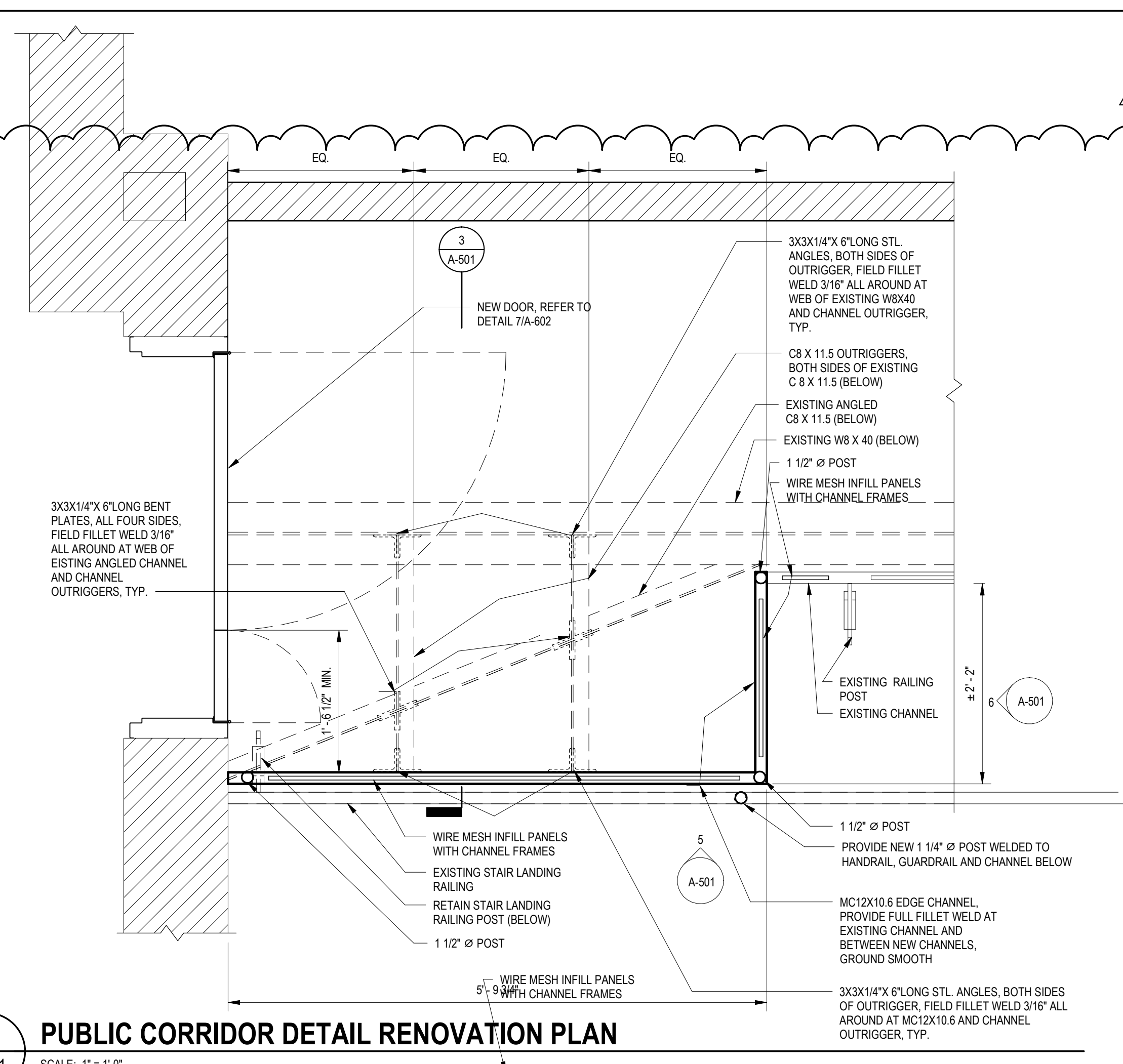
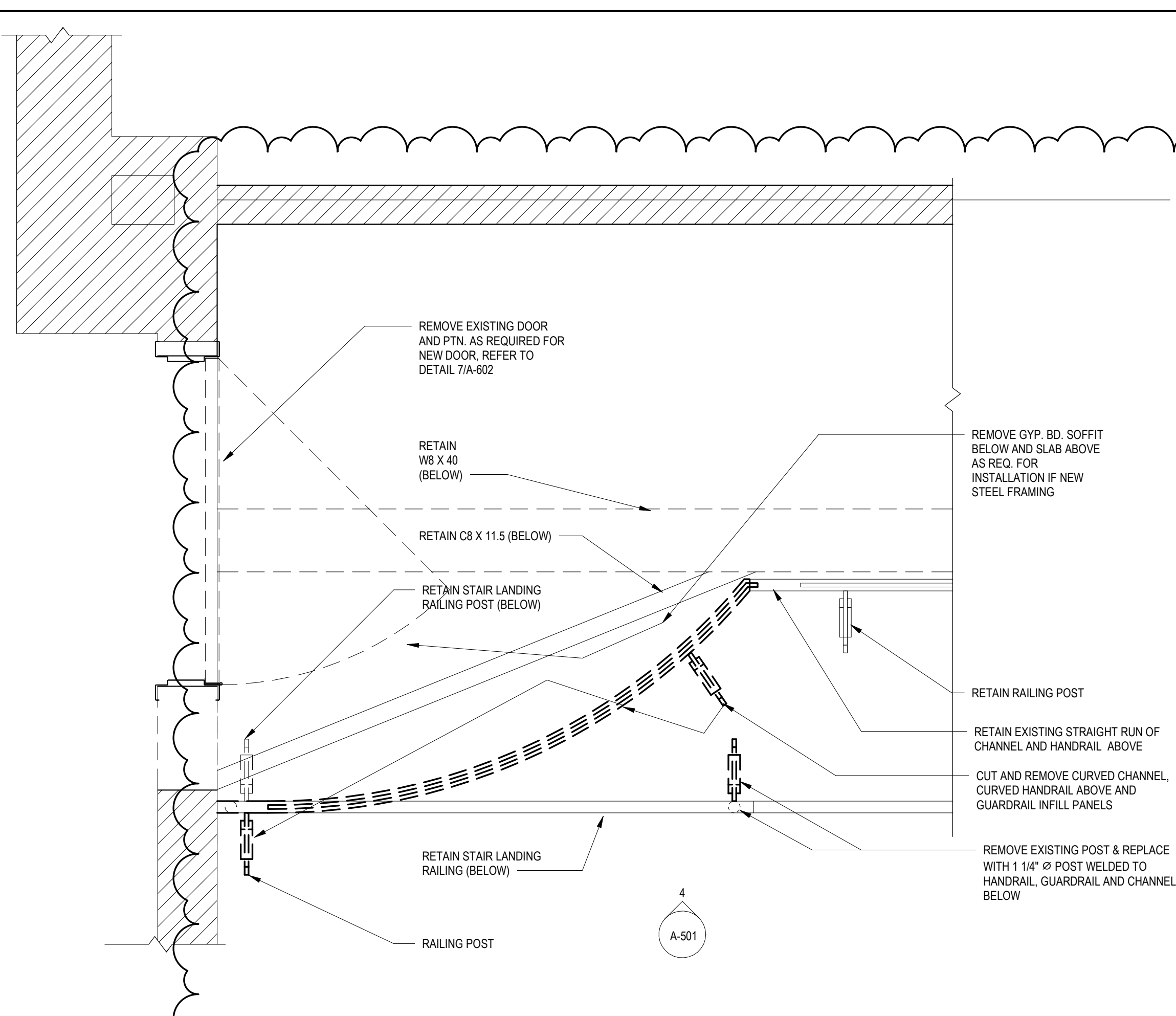
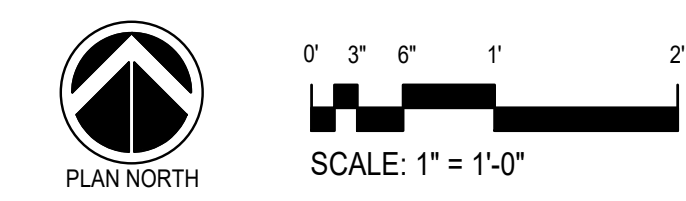
| No. | Revision | Date |
|-----|------------|------------|
| 2 | ADDENDUM 1 | 10-16-2024 |

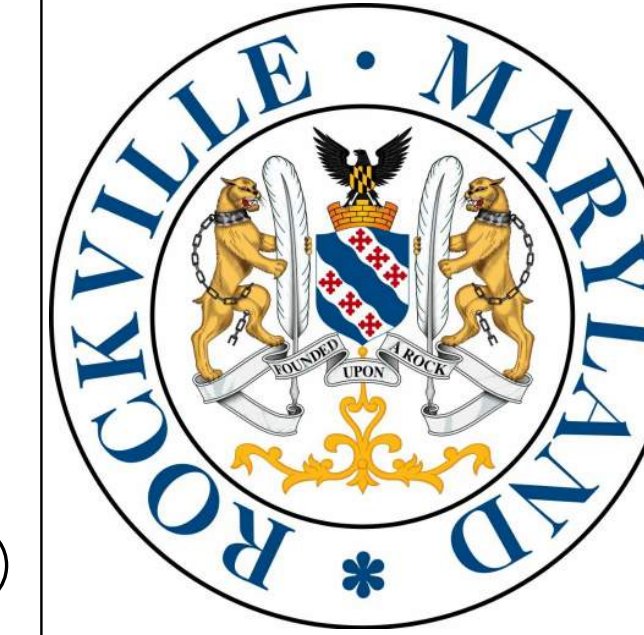
PROJECT NO: 2019.331.013
DRAWN BY: Author
CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
PUBLIC CORRIDOR-DETAILS

A-501





PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
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| No. | Revision | Date |
|-----|----------------------|------------|
| 1 | REVISIONS FOR PERMIT | 08-30-2024 |
| 2 | ADDENDUM 1 | 10-18-2024 |
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PROJECT NO: 2019.331.013
DRAWN BY: Author
CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
HANDICAP THEATER PLATFORM

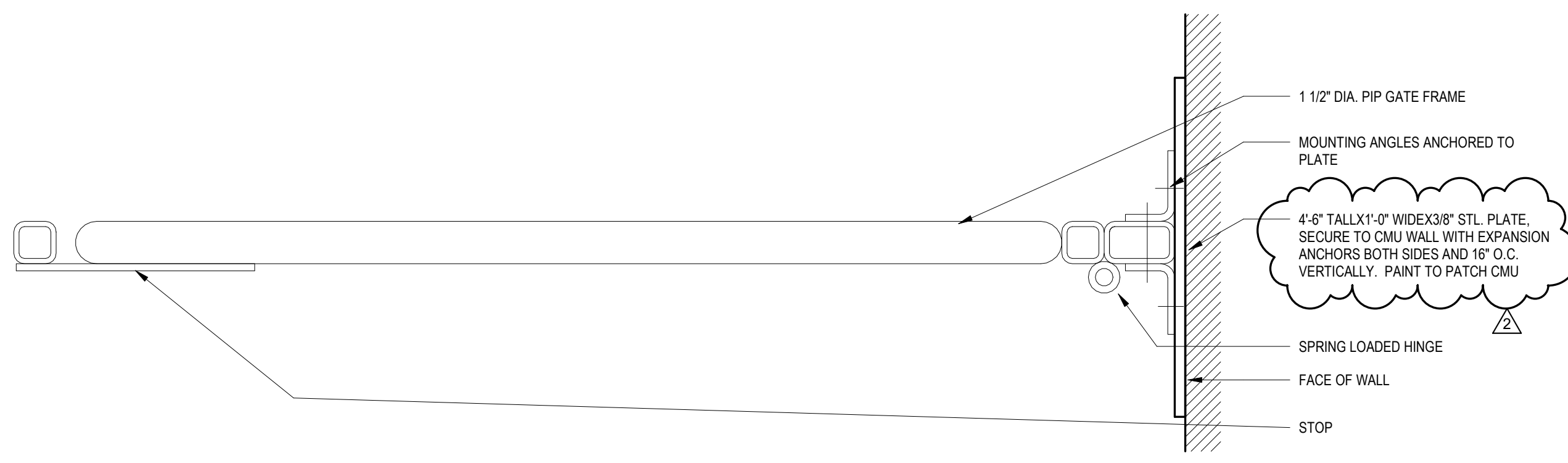
A-603

10/17/2024 8:20:22 PM

4 WALL MOUNTED GATE PLAN DETAIL

A-603

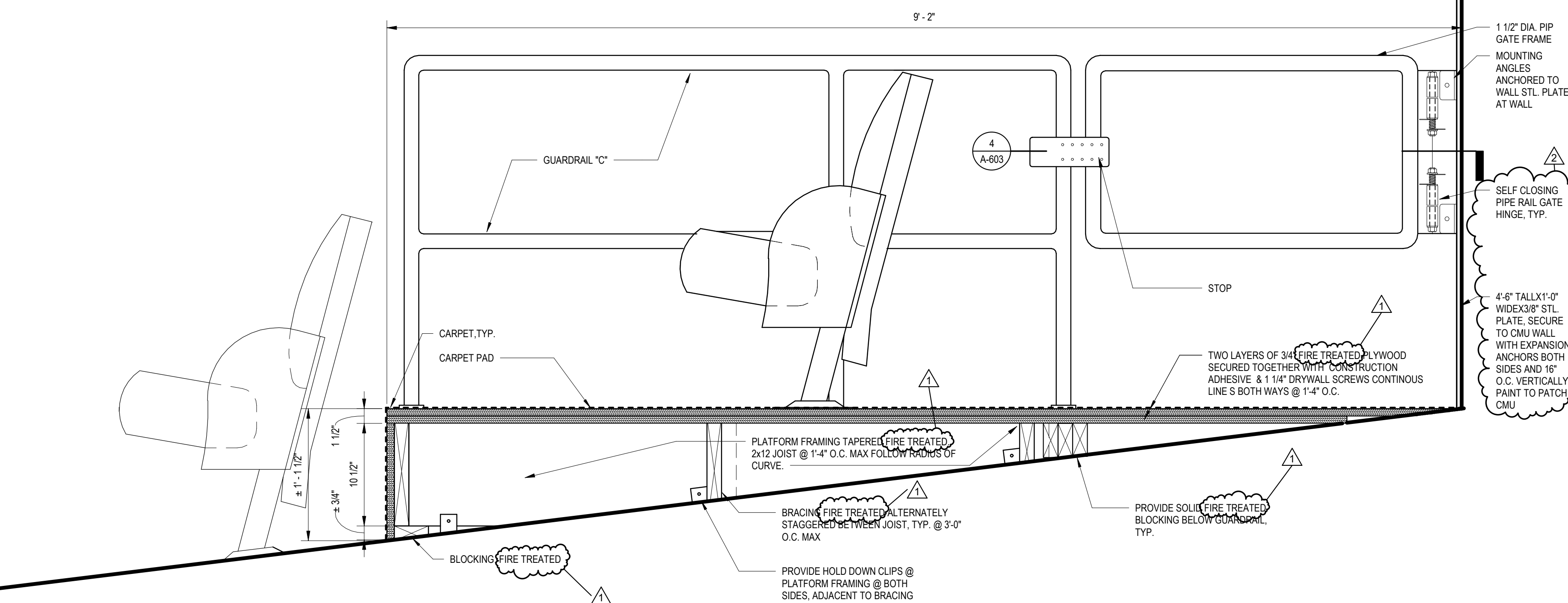
SCALE: 3" = 1'-0"



1 HANDICAP THEATER SEATING PLATFORM

A-603

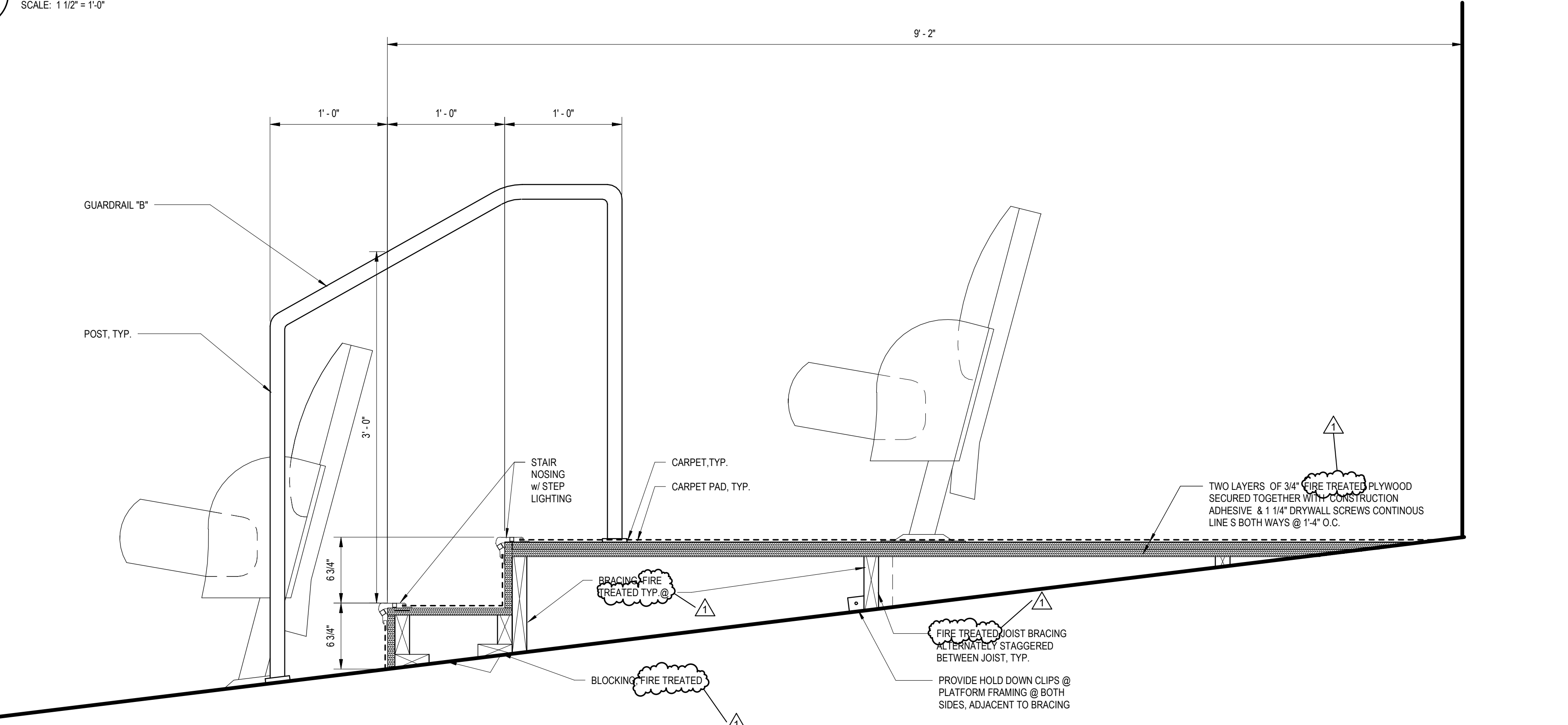
SCALE: 1 1/2" = 1'-0"



2 HANDICAP THEATER SEATING PLATFORM @ STAIR NORTH

A-603

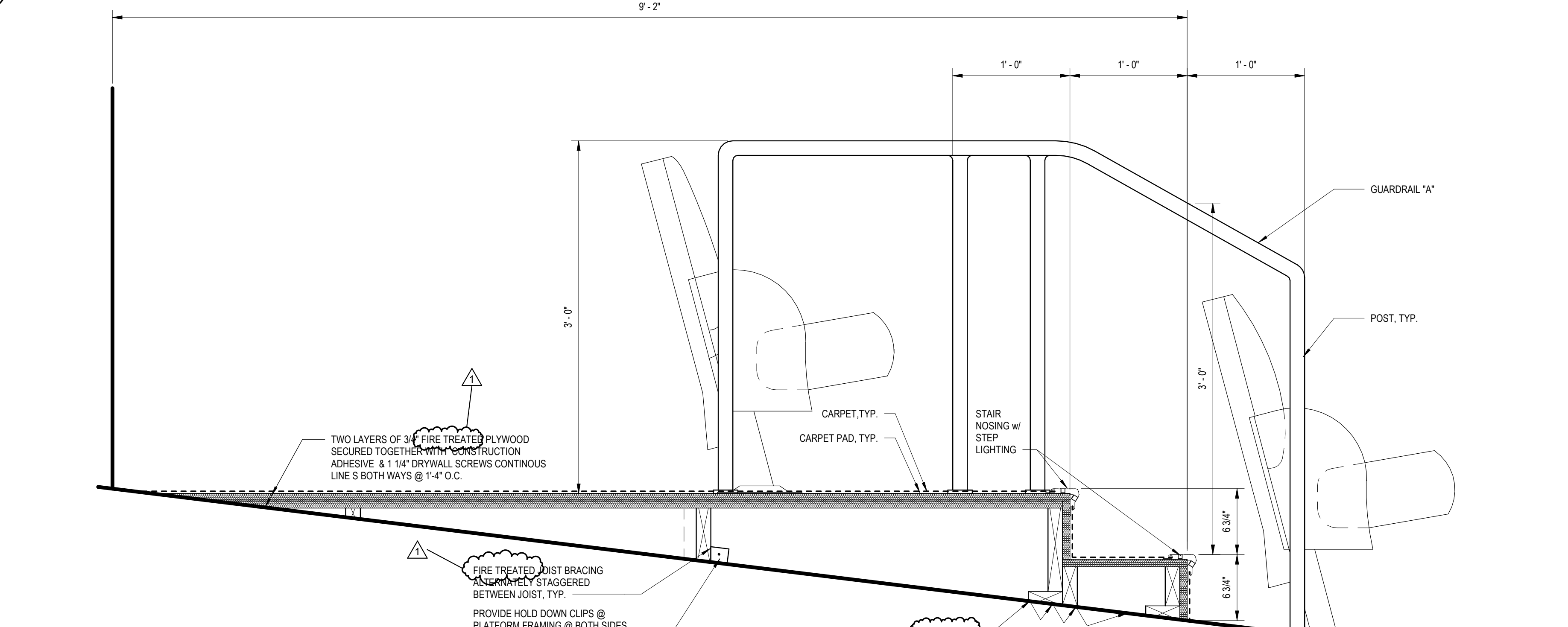
SCALE: 1 1/2" = 1'-0"



3 HANDICAP THEATER SEATING PLATFORM @ STAIR SOUTH

A-603

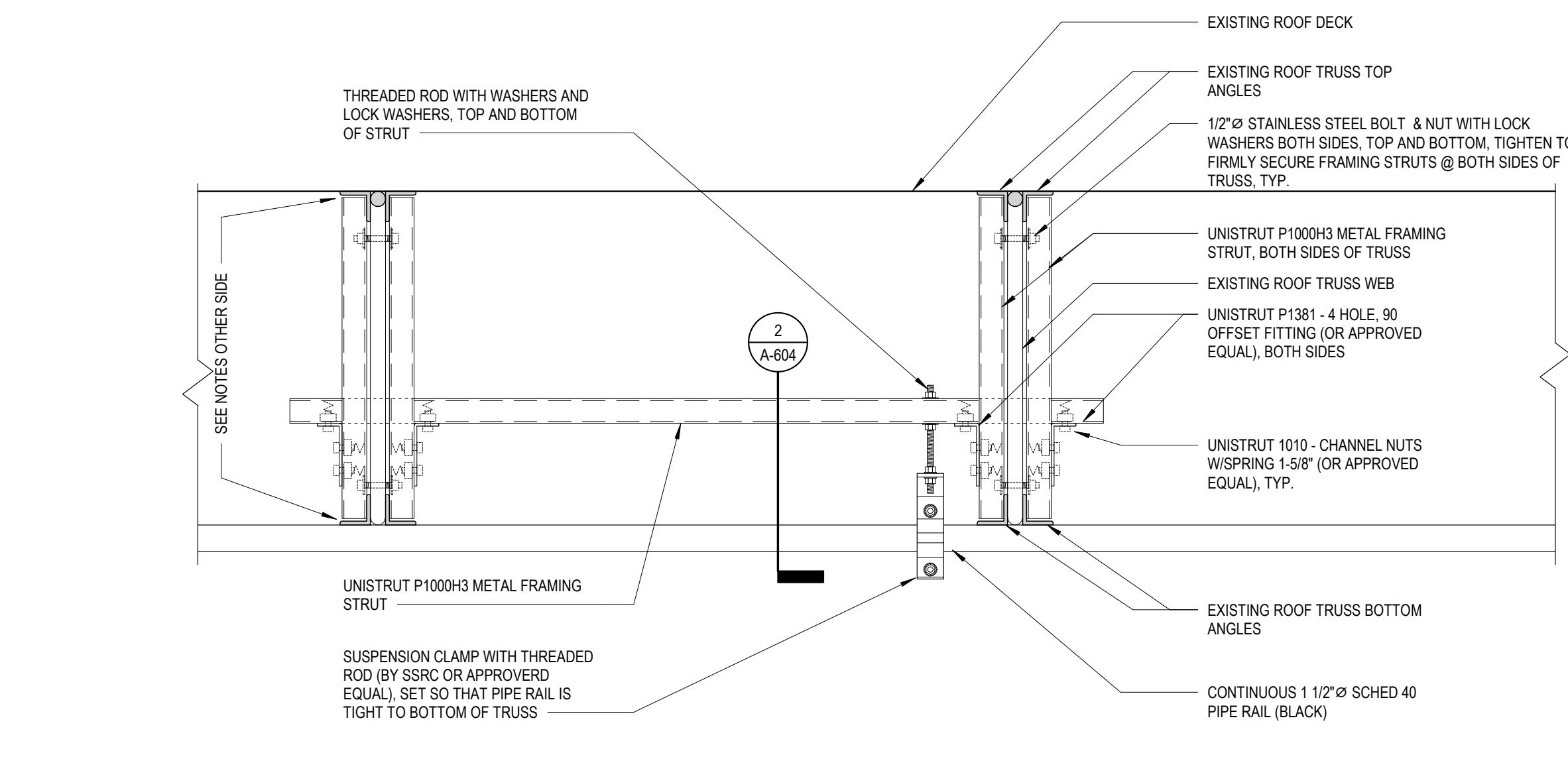
SCALE: 1 1/2" = 1'-0"





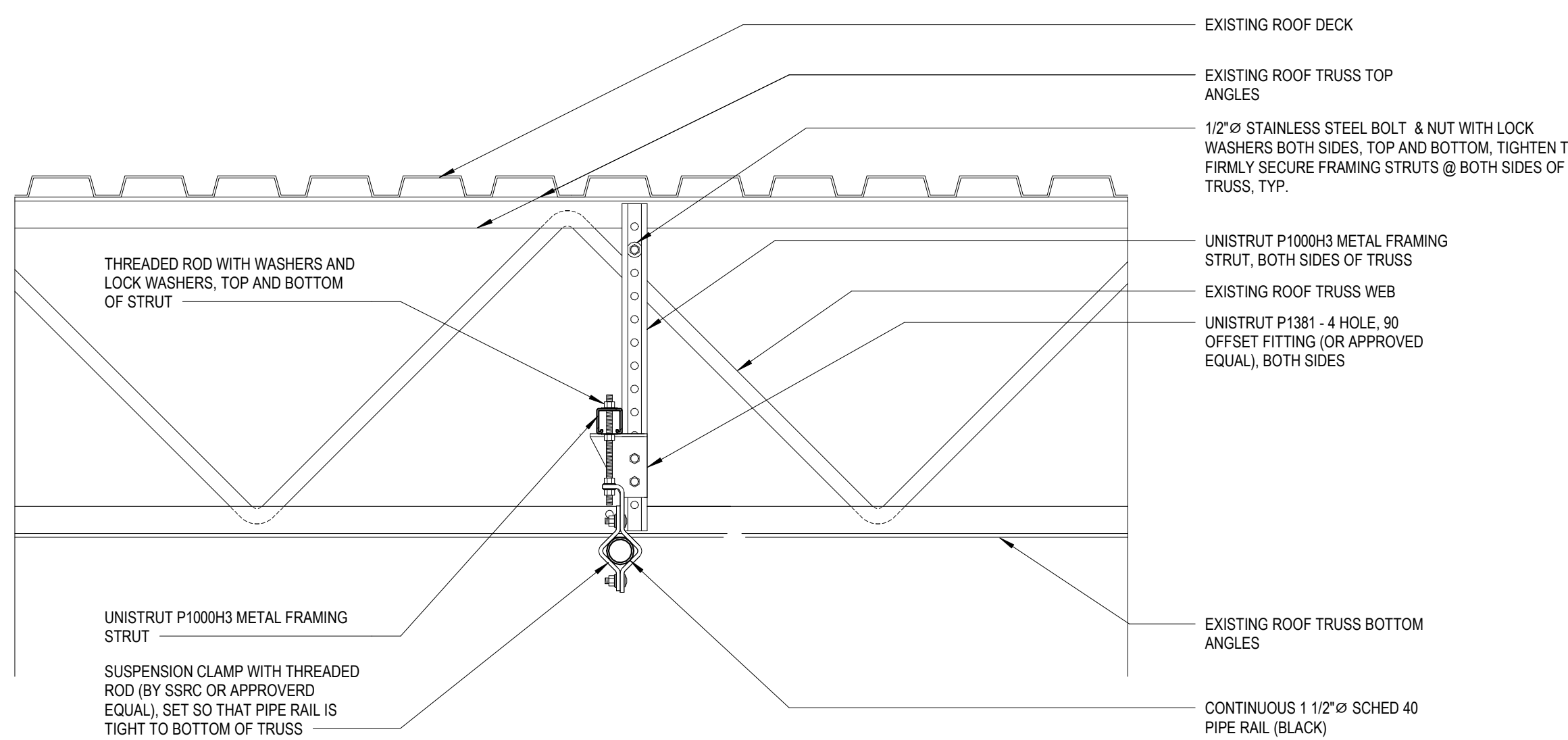
PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
www.delta-eas.com



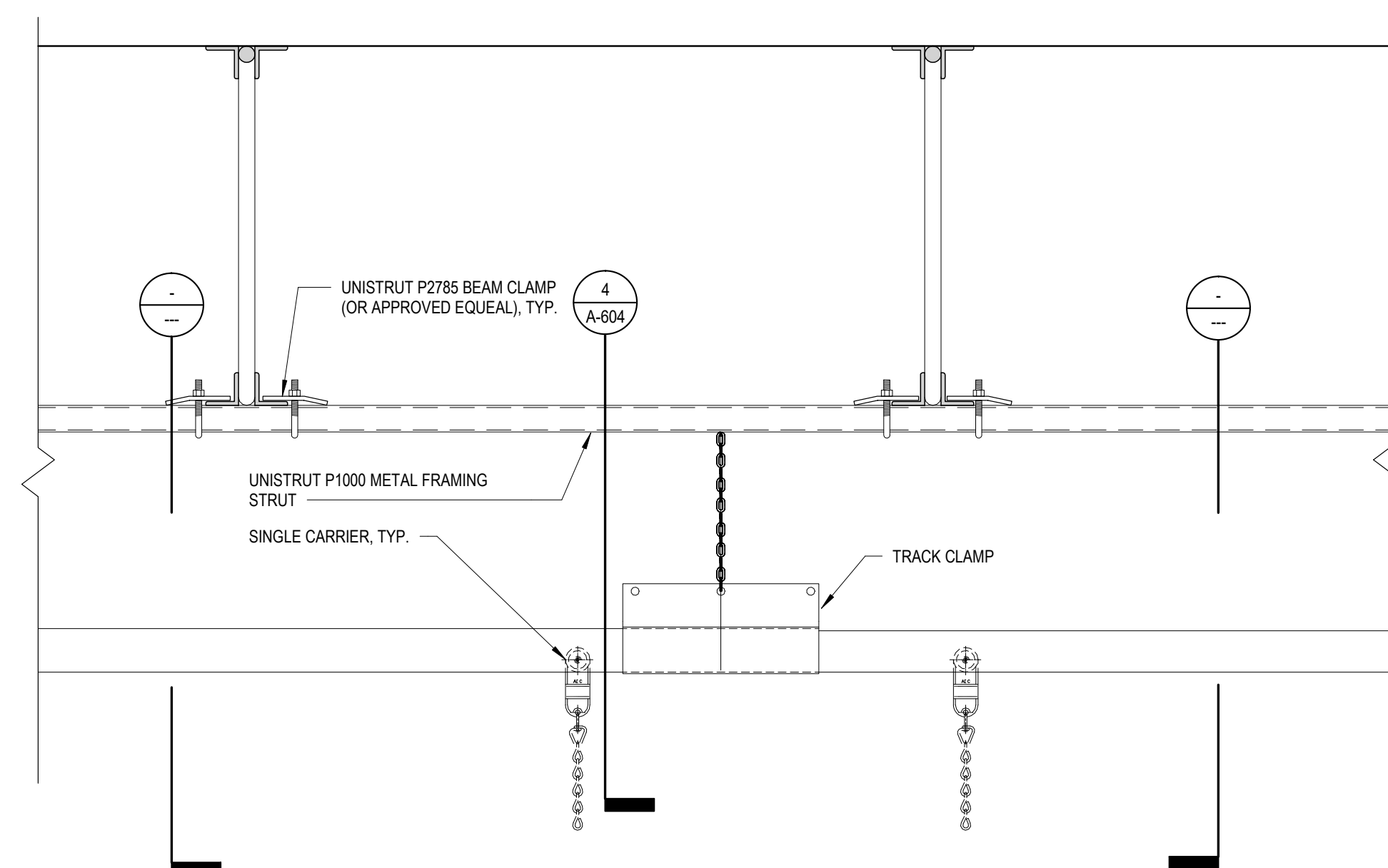
1 RIGGING DETAIL-PIPE HANGER, TRANSVERSE SECTION

A-604 SCALE: 1 1/2" = 1'-0"



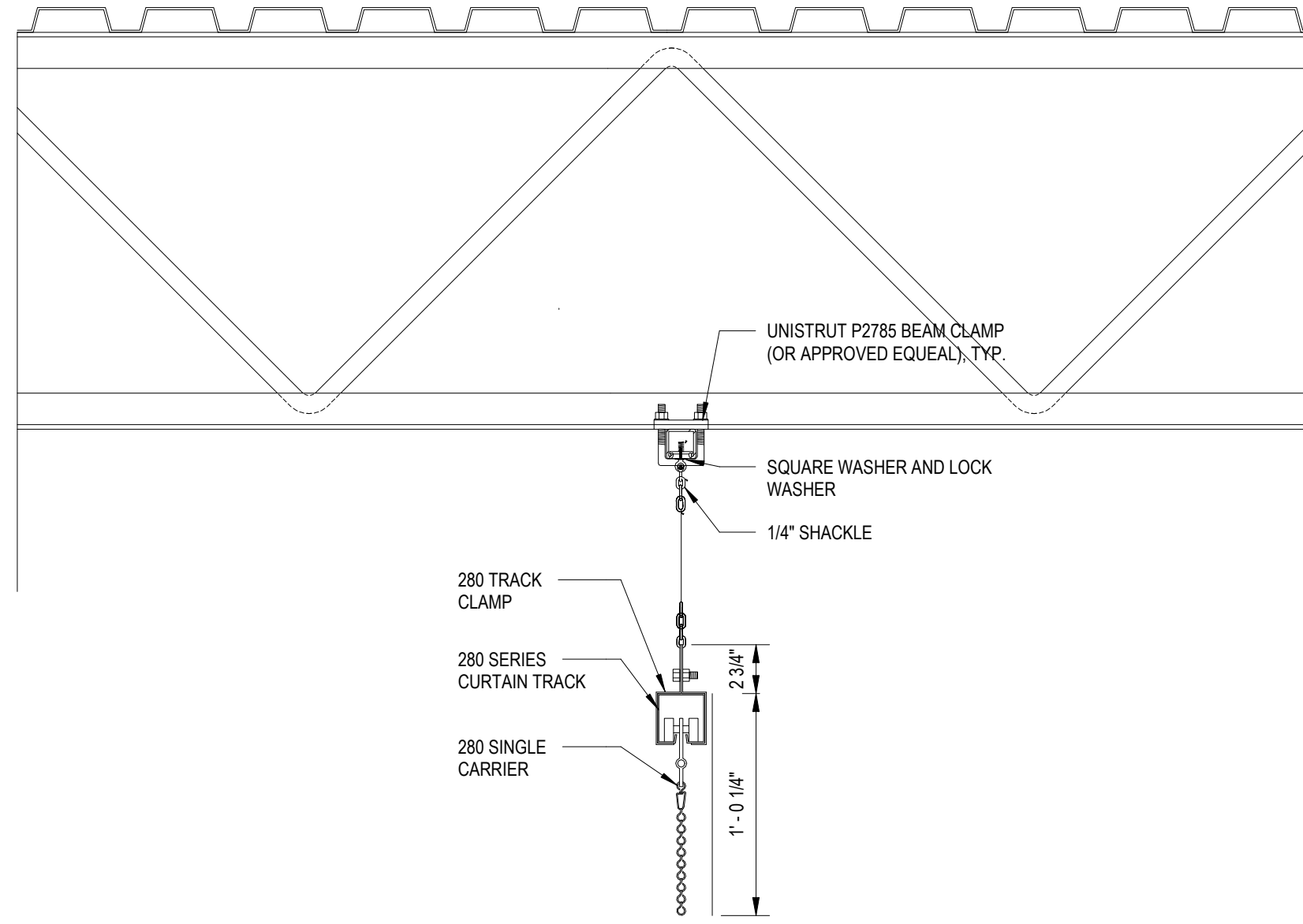
2 RIGGING DETAIL-PIPE HANGER, CROSS SECTION

A-604 SCALE: 1 1/2" = 1'-0"



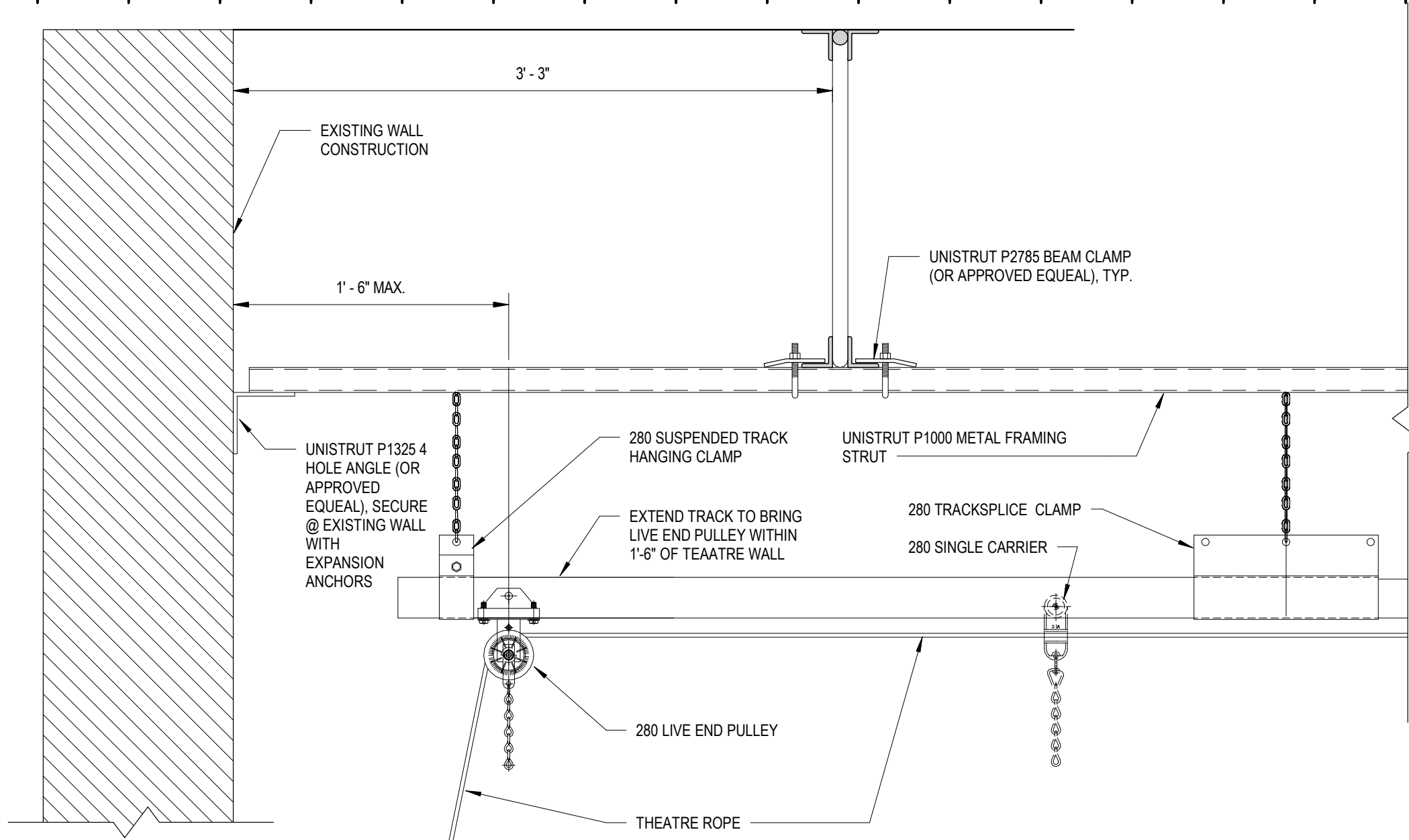
3 RIGGING DETAIL- TRACK/BATTEN HANGER, TRANSVERSE SECTION

A-604 SCALE: 1 1/2" = 1'-0"



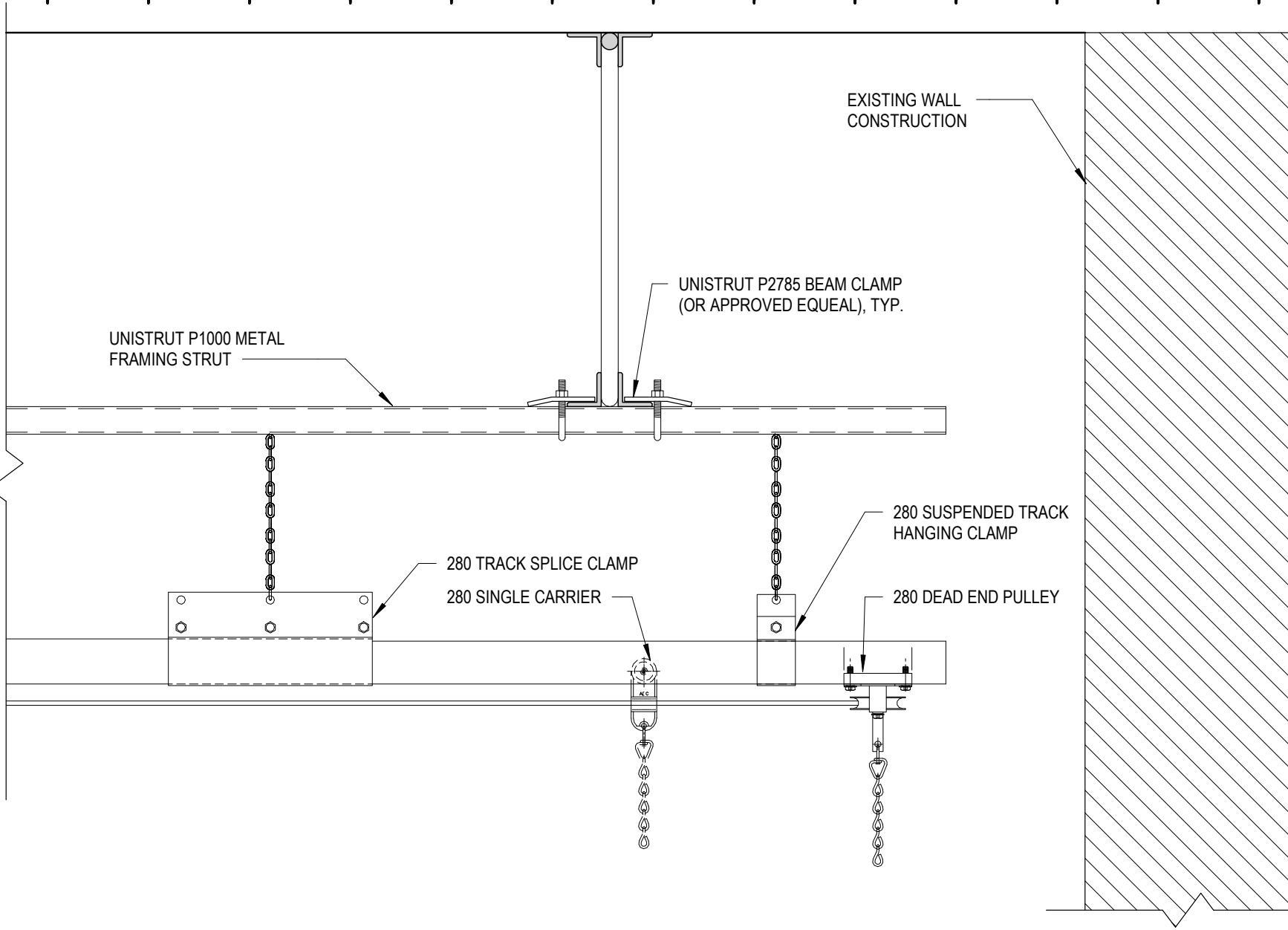
4 RIGGING DETAIL- TRACK/BATTEN HANGER, CROSS SECTION

A-604 SCALE: 1 1/2" = 1'-0"



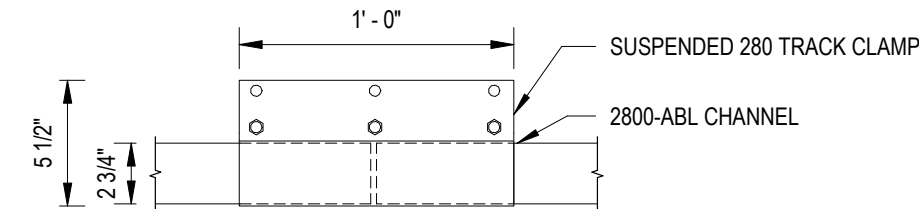
5 RIGGING DETAIL- LIVE END PULLEY, TRANSVERSE SECTION

A-604 SCALE: 1 1/2" = 1'-0"



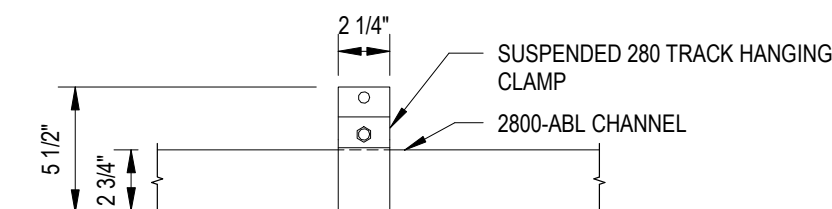
6 RIGGING DETAIL- DEAD END PULLEY, TRANSVERSE SECTION

A-604 SCALE: 1 1/2" = 1'-0"



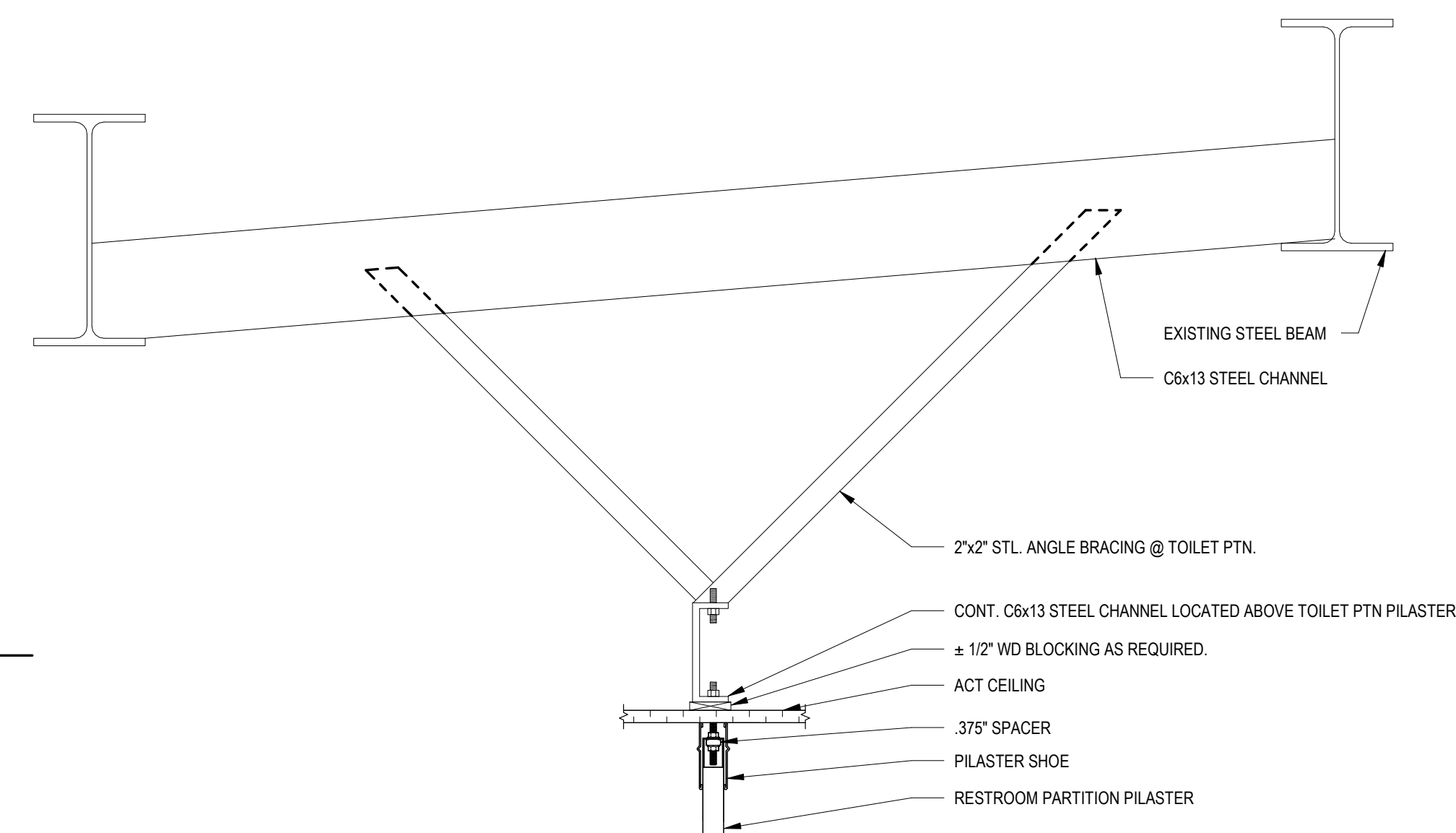
7 RIGGING DETAIL- SPLICING CLAMP, ELEVATION

A-604 SCALE: 1 1/2" = 1'-0"



8 RIGGING DETAIL- HANGING CLAMP, ELEVATION

A-604 SCALE: 1 1/2" = 1'-0"



9 BATHROOM PARTITION SUPPORT

A-604 SCALE: 1 1/2" = 1'-0"

REGISTRATION:

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| No. | Revision | Date |
|-----|------------|------------|
| 2 | ADDENDUM 1 | 10-16-2024 |
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PROJECT NO: 2019.331.013
DRAWN BY: Author
CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

SHEET TITLE:
RIGGING DETAILS

A-604



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:



8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
www.delta-eas.com

REGISTRATION:

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license number _____ expiration date _____

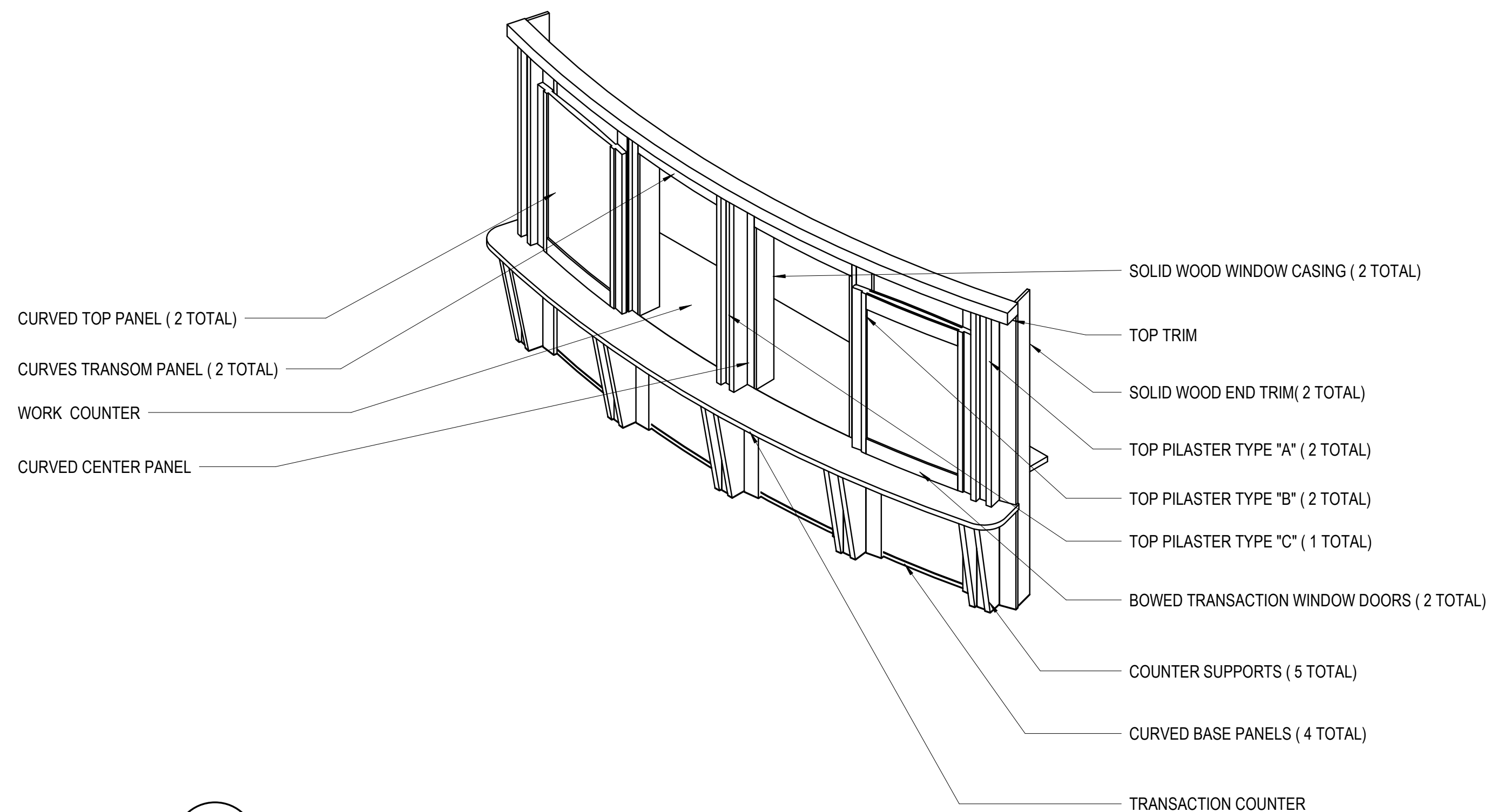
| No. | Revision | Date |
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| 2 | ADDENDUM 1 | 10-18-2024 |
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PROJECT NO: 2019.331.013
DRAWN BY: Author
CHECKED BY: Checker

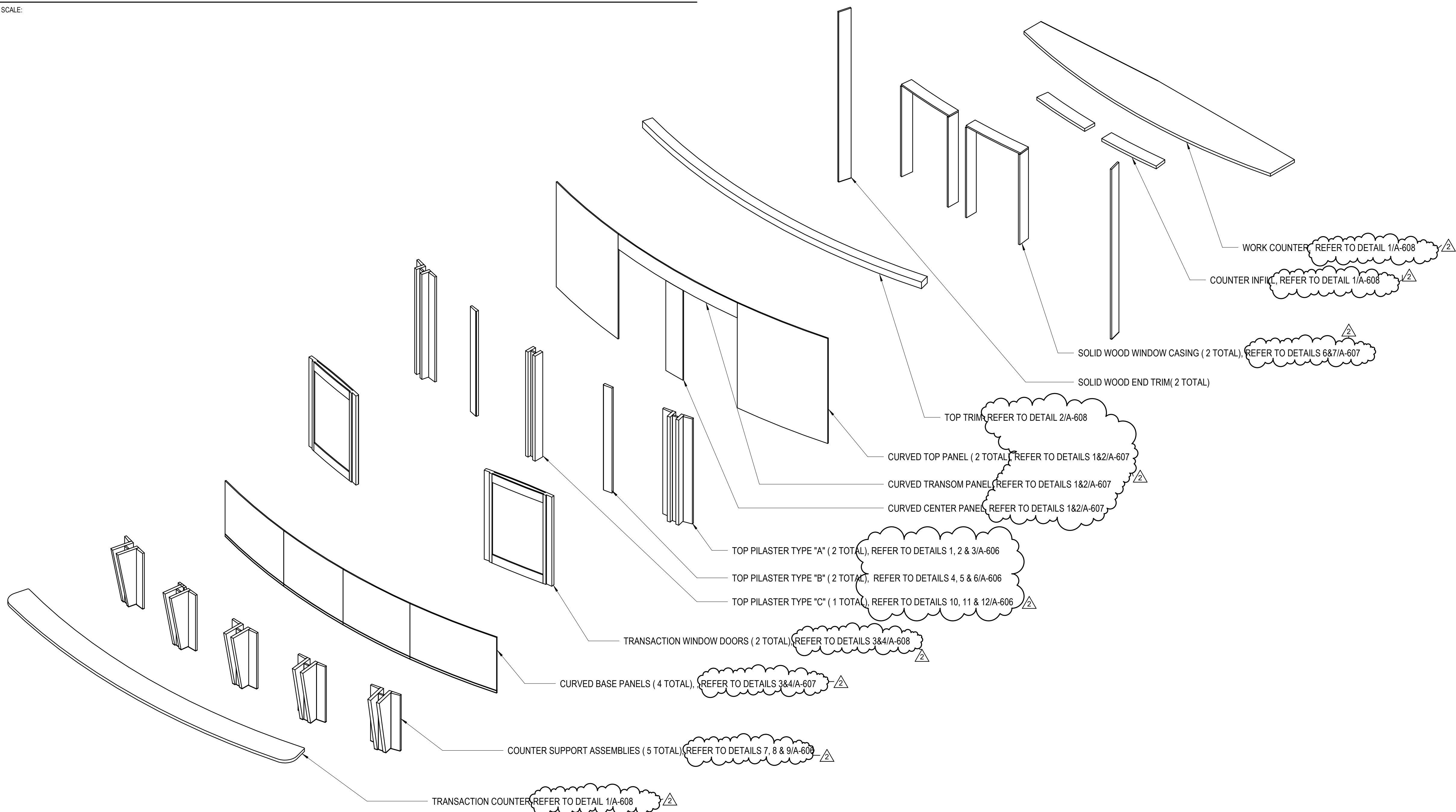
SUBMISSION: 100% 07-01-2024

SHEET TITLE:
BOX OFFICE CASEWORK -
AXONS

A-605



1 AXONOMETRIC CASEWORK
A-605 SCALE:



2 EXPLODED AXONOMETRIC- BOX OFFICE CASEWORK
A-605 SCALE:



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA
8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
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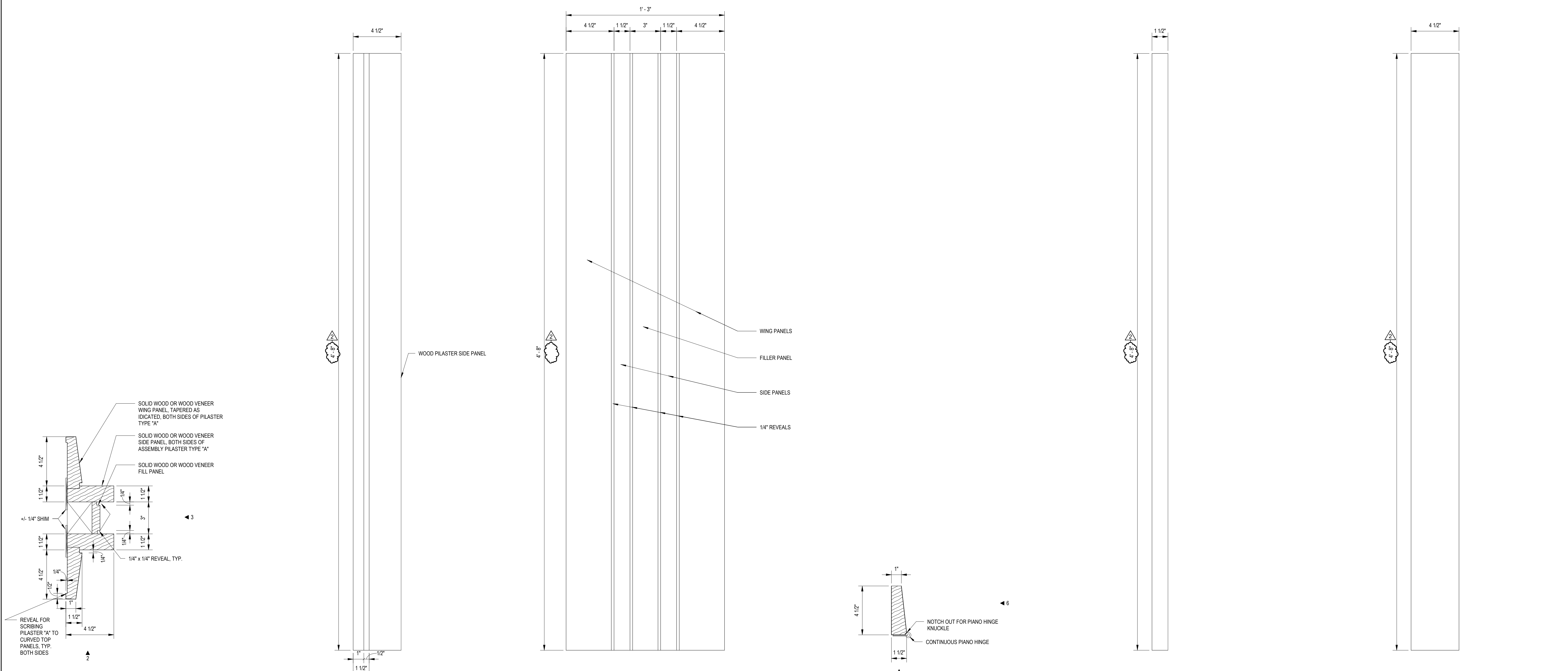
| No. | Revision | Date |
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| 2 | ADDENDUM 1 | 10-18-2024 |
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PROJECT NO: 2019.331.013
DRAWN BY: Author
CHECKED BY: Checker

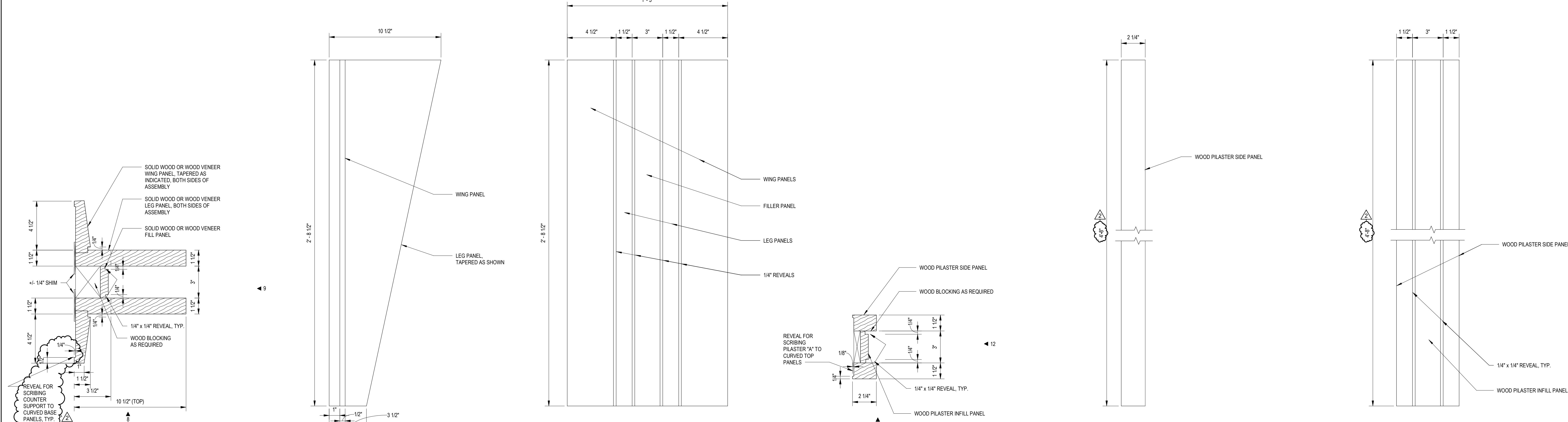
SUBMISSION: 100% 07-01-2024

SHEET TITLE:
BOX OFFICE CASEWORK - COMPONENTS

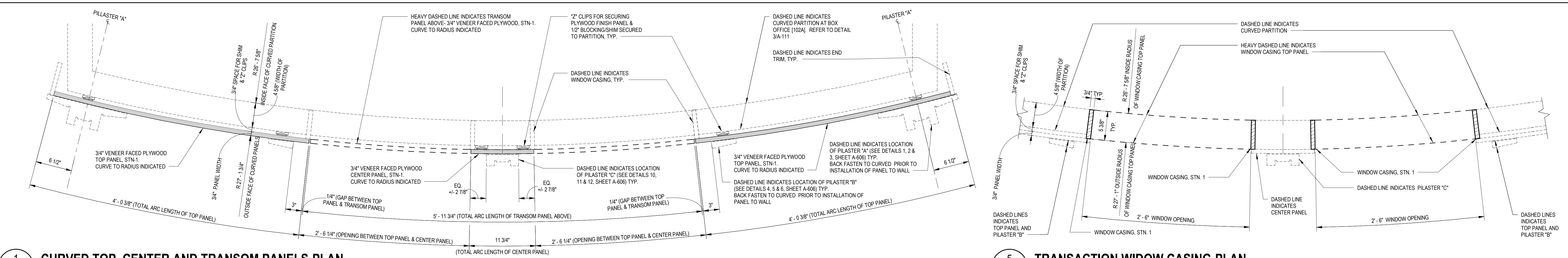
A-606



1 TOP PILASTER TYPE "A" SCALE: 3" = 1'-0"
2 TOP PILASTER TYPE "A" - ELEVATION 1 SCALE: 3" = 1'-0"
3 TOP PILASTER TYPE "A" - ELEVATION 2 SCALE: 3" = 1'-0"
4 TOP PILASTER TYPE "B" SCALE: 3" = 1'-0"
5 TOP PILASTER TYPE "B" - ELEVATION 1 SCALE: 3" = 1'-0"
6 TOP PILASTER TYPE "B" - ELEVATION 2 SCALE: 3" = 1'-0"

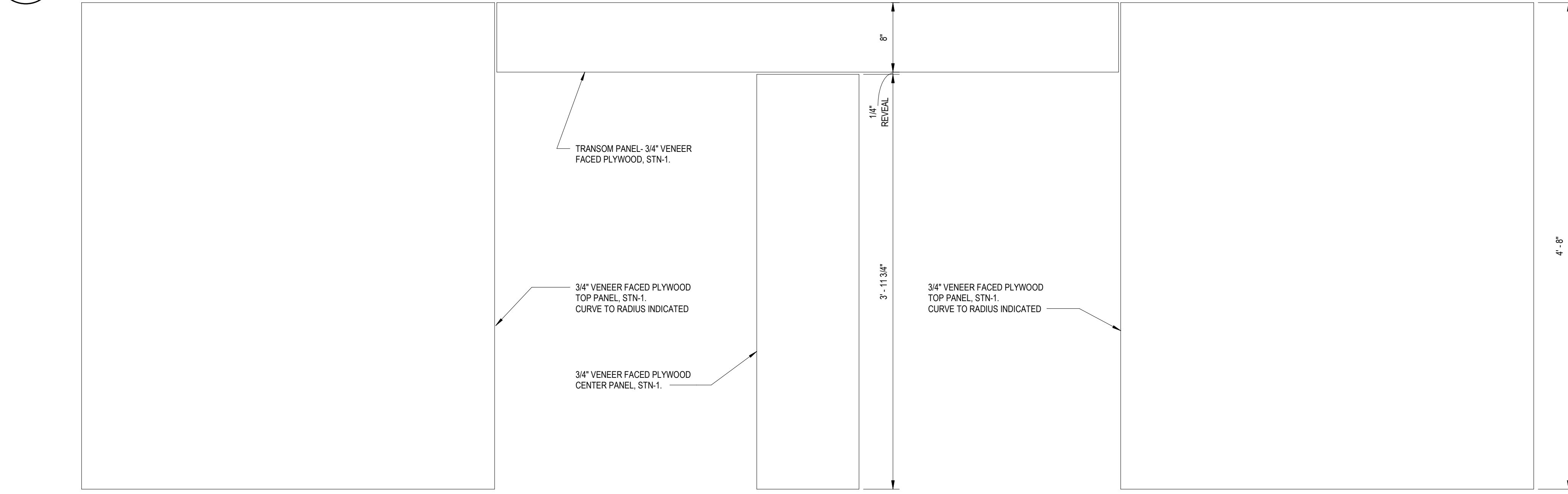


7 COUNTER SUPPORT ASSEMBLY- PLAN SCALE: 3" = 1'-0"
8 COUNTER SUPPORT - ELEVATION 1 SCALE: 3" = 1'-0"
9 COUNTER SUPPORT - ELEVATION 2 SCALE: 3" = 1'-0"
10 TOP PILASTER TYPE "C" SCALE: 3" = 1'-0"
11 TOP PILASTER TYPE "C" - ELEVATION 1 SCALE: 3" = 1'-0"
12 TOP PILASTER TYPE "C" - ELEVATION 2 SCALE: 3" = 1'-0"

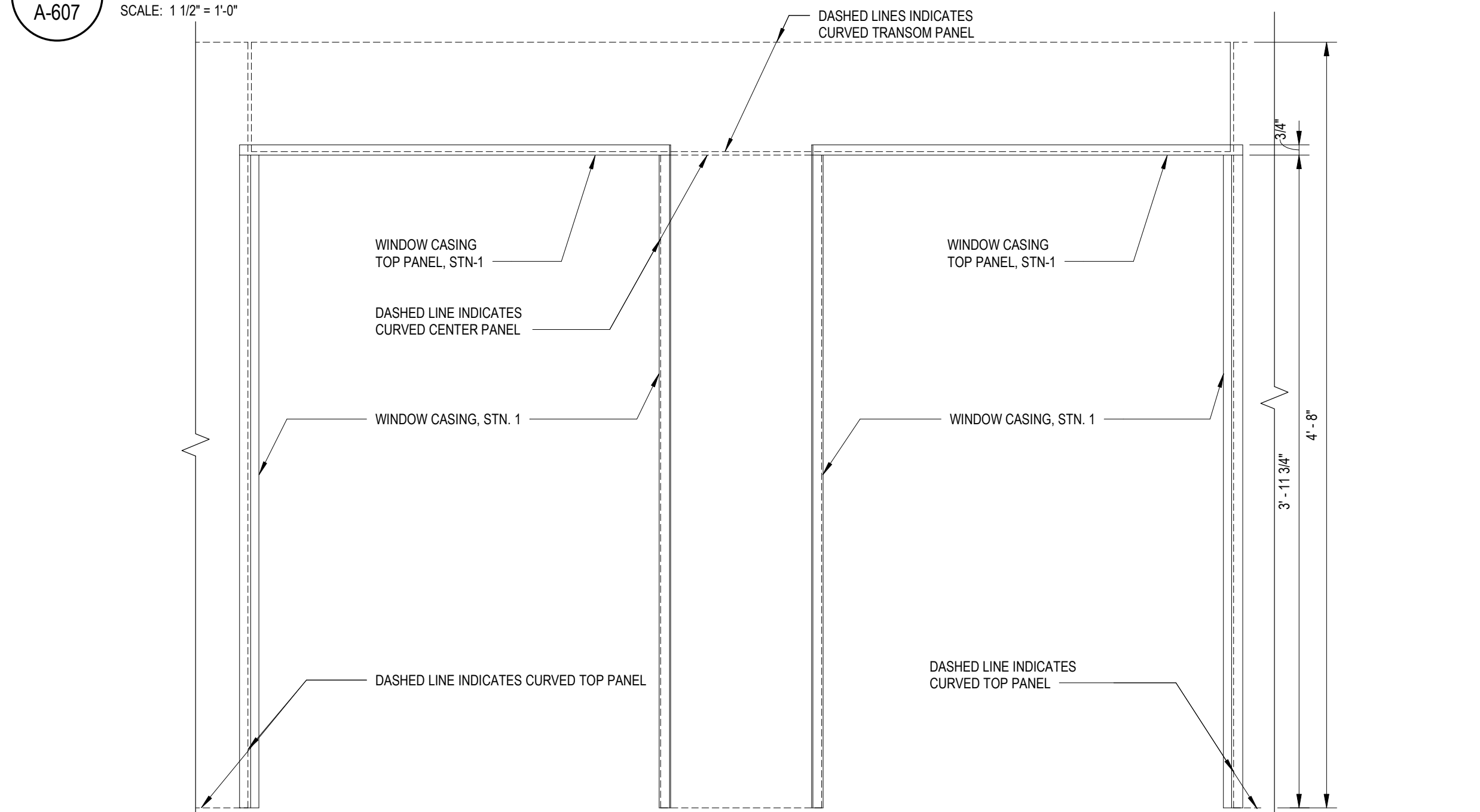


1 CURVED TOP, CENTER AND TRANSPOM PANELS-PLAN
SCALE: 1 1/2" = 1'-0"

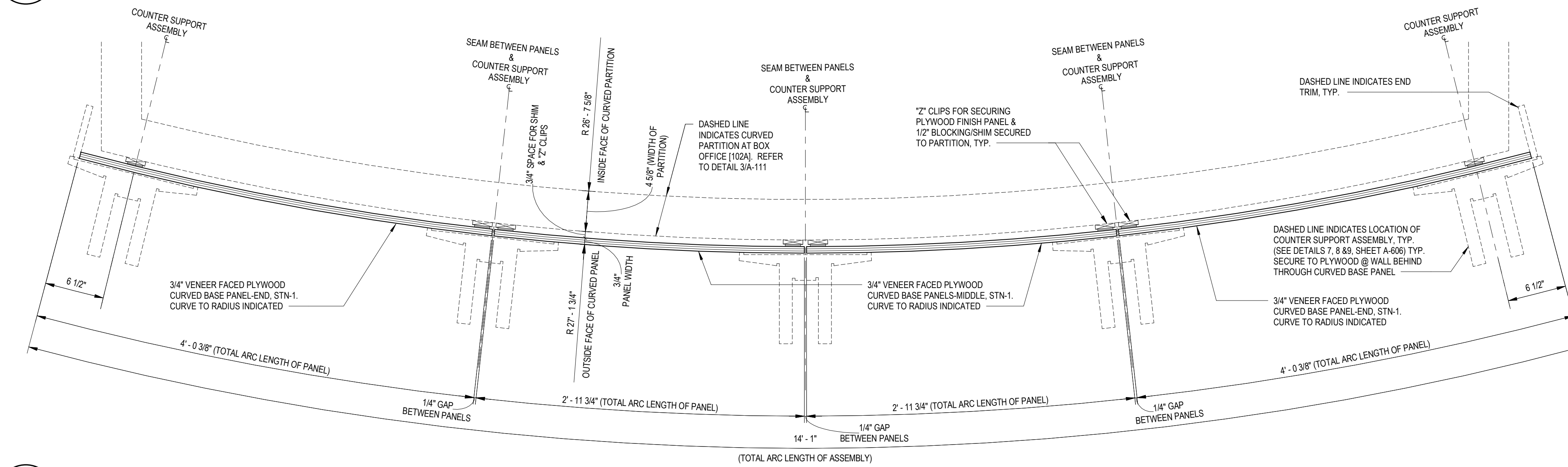
5 TRANSACTION WIDOW CASING-PLAN
SCALE: 1 1/2" = 1'-0"



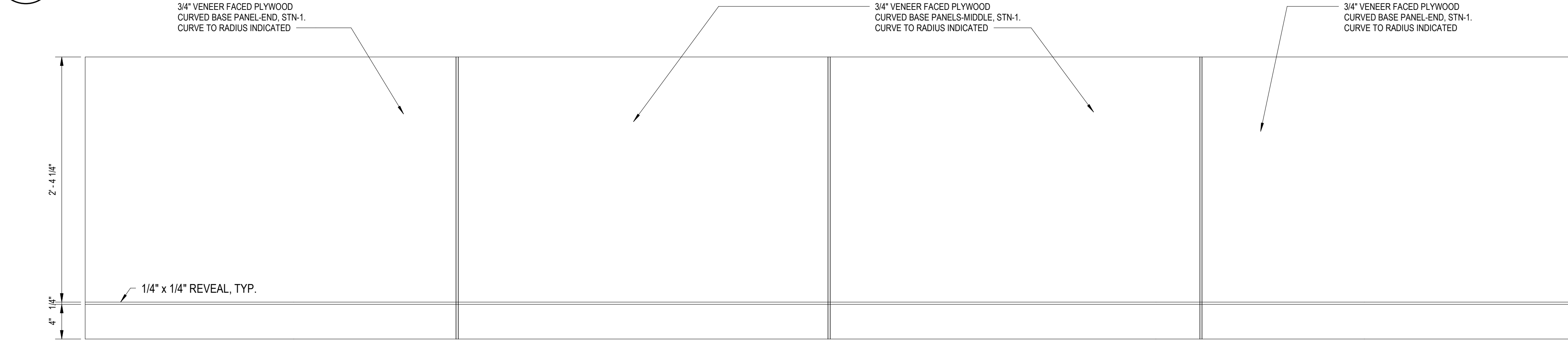
2 CURVED TOP, CENTER AND TRANSPOM PANELS-ELEVATION
SCALE: 1 1/2" = 1'-0"



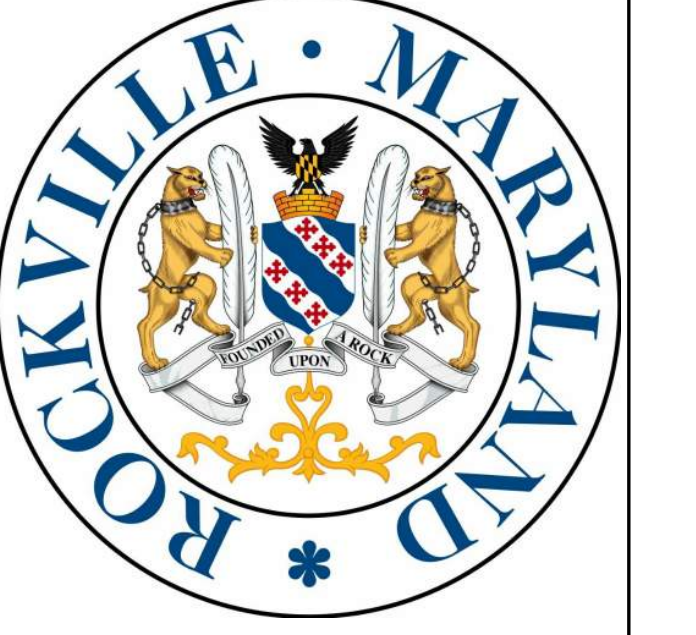
6 WOOD WINDOW CASING - ELEVATION 1
SCALE: 1 1/2" = 1'-0"



3 CURVED BASE PANEL - PLAN
SCALE: 1 1/2" = 1'-0"



4 CURVED BASE PANEL - ELEVATION 1
SCALE: 1 1/2" = 1'-0"



PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

ARCHITECT:
DELTA

8401 Connecticut Ave. Suite 350
Chevy Chase, Maryland
Phone: 301-718-0080
Fax: 301-718-9520
www.delta-eas.com

REGISTRATION:

I certify that these documents were prepared or approved by me, and that I am a duly licensed professional under the laws of the State of Maryland. license number _____ expiration date _____

| No. | Revision | Date |
|-----|----------|------|
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PROJECT NO: 2019.331.013
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CHECKED BY: Checker

SUBMISSION: 100% 07-01-2024

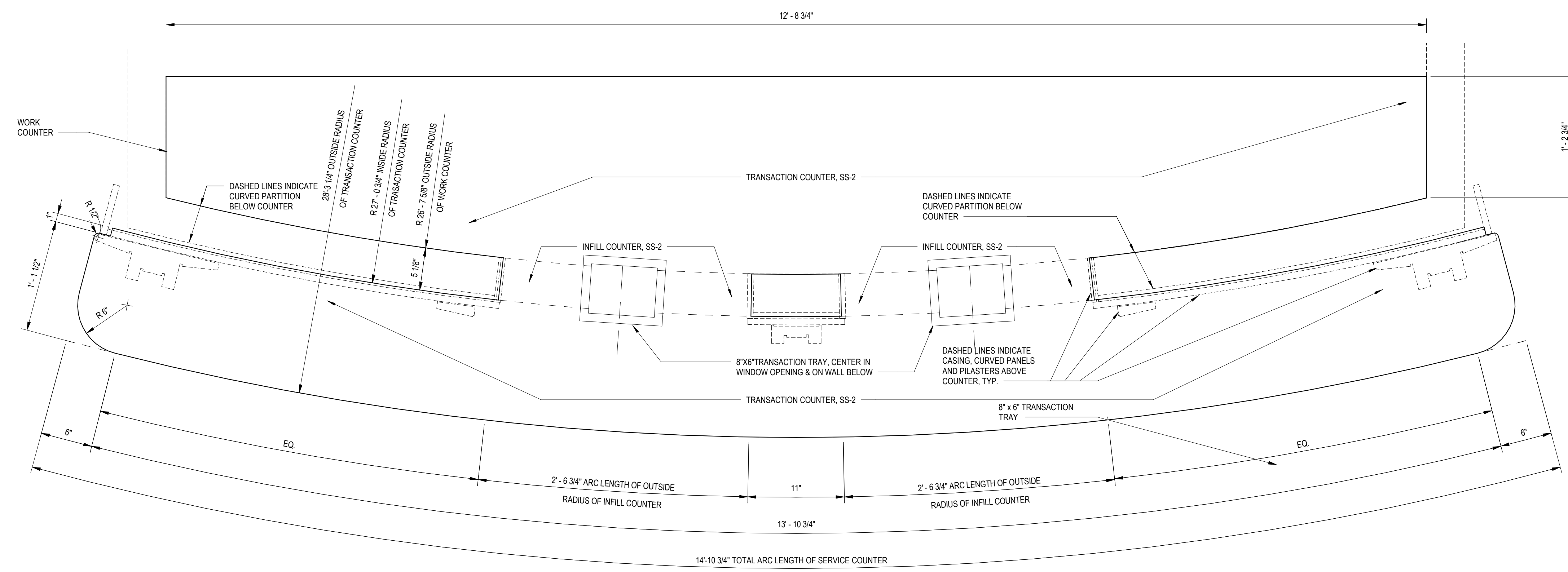
SHEET TITLE:
BOX OFFICE CASEWORK -
COMPONENTS

A-607

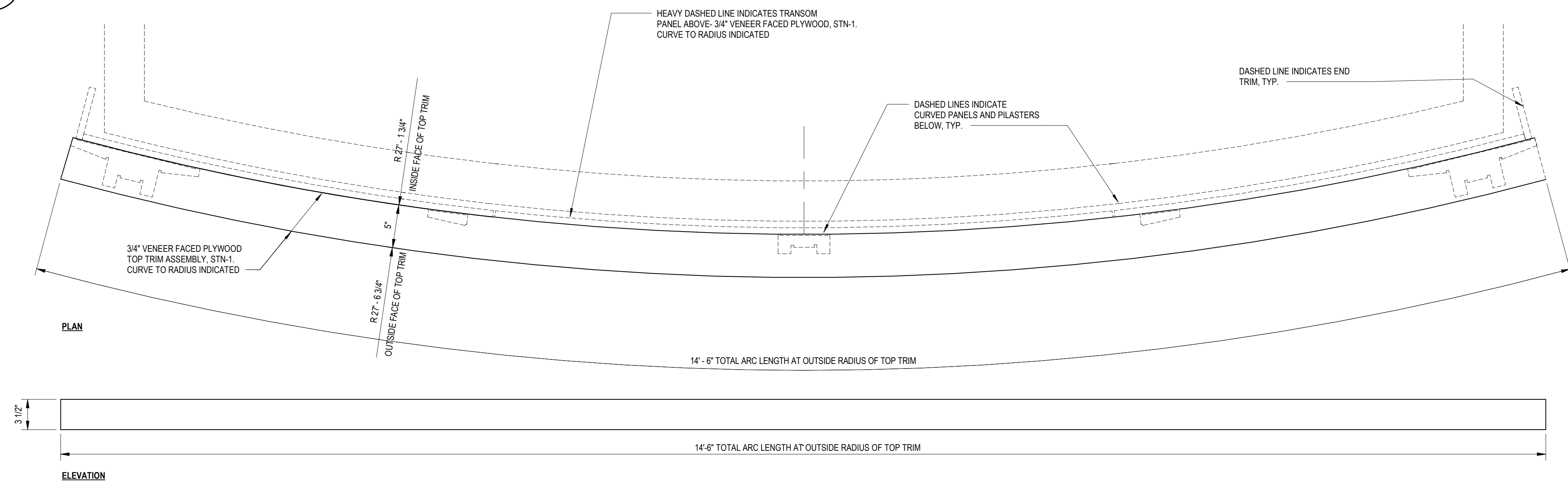


PROJECT:
Fitzgerald Theatre ADA
Improvements CIP RA20

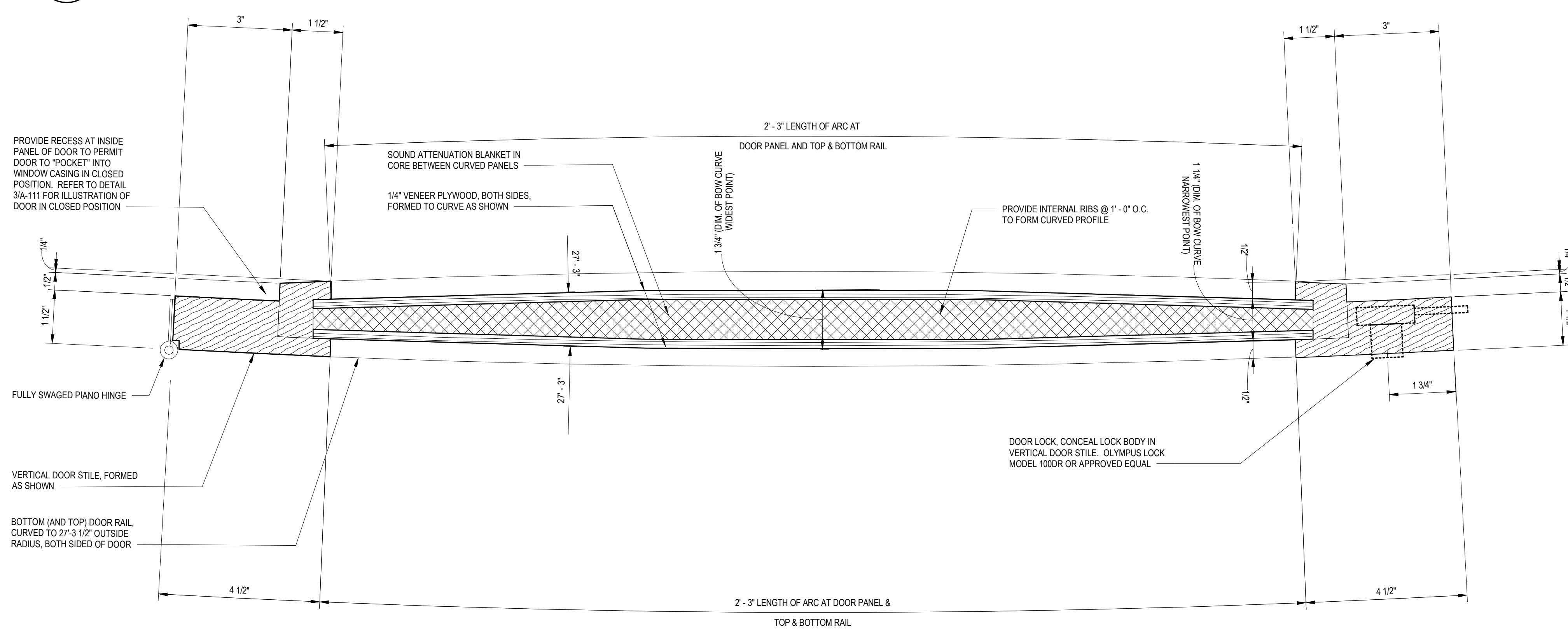
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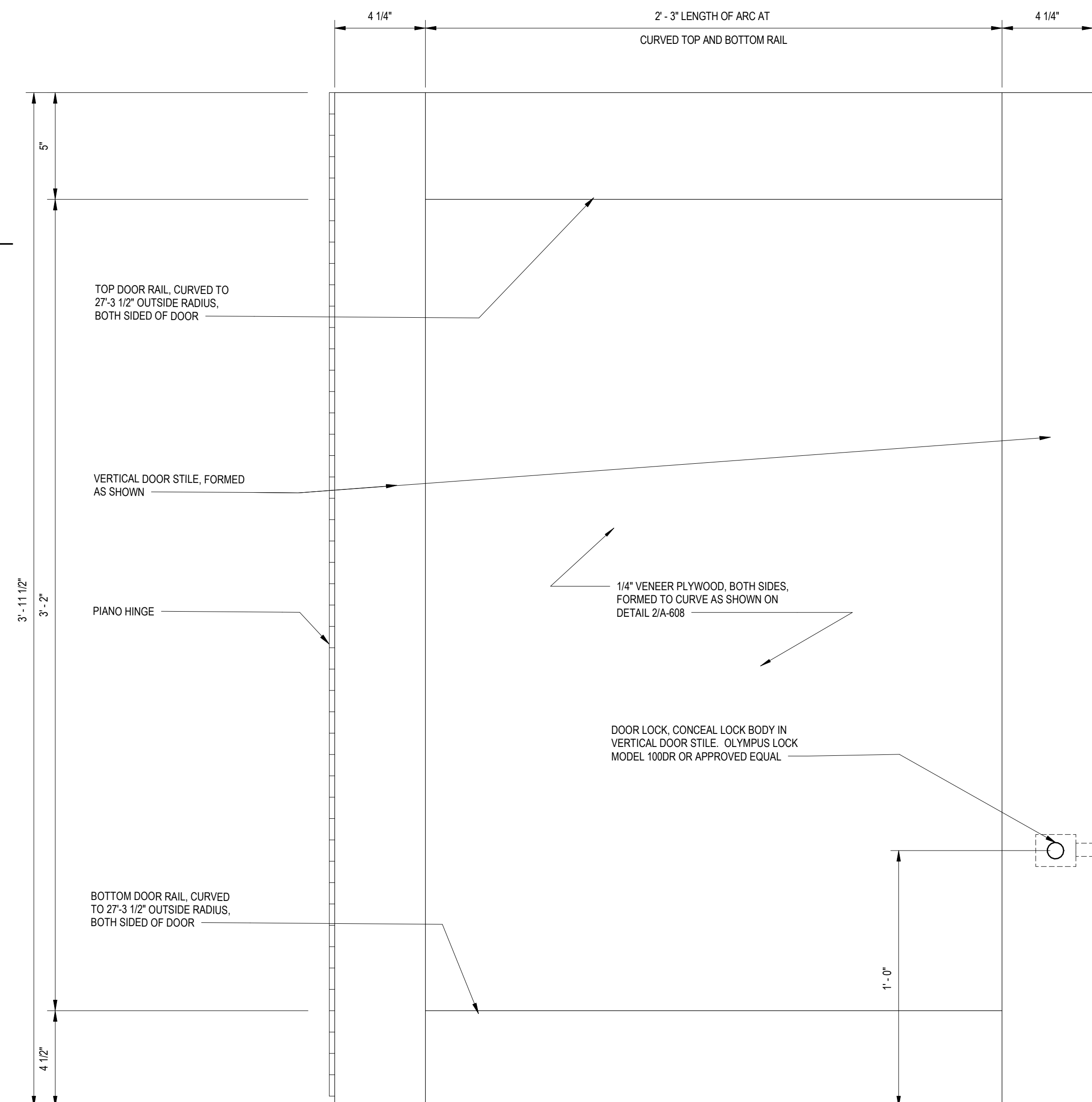
1 COUNTER - PLAN
A-608 SCALE: 1 1/2" = 1'-0"



2 CURVED TOP TRIM-PLAN AND ELEVATION
A-608 SCALE: 1 1/2" = 1'-0"



3 BOX OFFICE TRANSACTION WINDOW DOOR - PLAN
A-608 SCALE: 6" = 1'-0"



4 BOWED TRANSACTION WINDOW - ELEVATION 1
A-608 SCALE: 3" = 1'-0"

REGISTRATION:

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PROJECT NO: 2019.331.013
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SUBMISSION: 100% 07-01-2024

SHEET TITLE:
BOX OFFICE CASEWORK - COMPONENTS

A-608

FITZGERALD THEATER RENOVATIONS
CITY OF ROCKVILLE2019.331.013
BID NUMBER IFB# 02-25

SECTION 055213 - PIPE AND TUBE RAILINGS (ENTIRE SECTION ADDED FOR ADDENDUM #1)

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Steel railings.

B. Related Requirements:

1. Section 096513 "Resilient Base and Accessories"

1.2 COORDINATION

A. Coordinate selection of shop primers with topcoats to be applied over them. Comply with paint and coating manufacturers' written recommendations to ensure that shop primers and topcoats are compatible with one another.

B. Coordinate installation of anchorages for railings. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.

1.3 ACTION SUBMITTALS

A. Product Data:

1. Woven-wire mesh infill panels.
2. Handrail brackets.
3. Paint products.

B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.

C. Delegated Design Submittal: For railings, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For delegated design professional engineer.

B. Welding certificates.

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1.5 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel in accordance with the following:
 - 1. AWS D1.1/D1.1M, "Structural Welding Code - Steel."

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Protect mechanical finishes on exposed surfaces of railings from damage by applying a strippable, temporary protective covering before shipping.

1.7 FIELD CONDITIONS

- A. Field Measurements: Verify actual locations of walls and other construction contiguous with railings by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design railings, including attachment to building construction.
- B. Structural Performance: Railings, including attachment to building construction, withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated:
 - 1. Handrails and Top Rails of Guards:
 - a. Uniform load of 50 lbf/ ft. (0.73 kN/m) applied in any direction.
 - b. Concentrated load of 200 lbf (0.89 kN) applied in any direction.
 - c. Uniform and concentrated loads need not be assumed to act concurrently.
 - 2. Infill of Guards:
 - a. Concentrated load of 50 lbf (0.22 kN) applied horizontally on an area of 1 sq. ft. (0.093 sq. m).
 - b. Infill load and other loads need not be assumed to act concurrently.

2.2 METALS, GENERAL

- A. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.
- B. Brackets, Flanges, and Anchors: Cast or formed metal of same type of material and finish as supported rails unless otherwise indicated.

PIPE AND TUBE RAILINGS

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1. Provide type of bracket that provides 1-3/4-inch (38-mm) minimum clearance from inside face of handrail to finished wall surface.

2.3 STEEL RAILINGS

- A. Source Limitations: Obtain each type of railing from single source from single manufacturer.
- B. Tubing: ASTM A500/A500M (cold formed) or ASTM A513/A513M, Type 5.
- C. Pipe: ASTM A53/A53M, Type F or Type S, Grade A, Standard Weight (Schedule 40), unless another grade and weight are required by structural loads.
- D. Plates, Shapes, and Bars: ASTM A36/A36M.
- E. Cast Iron Fittings: Either gray iron, ASTM A48/A48M, or malleable iron, ASTM A47/A47M, unless otherwise indicated.
- F. Woven-Wire Mesh Infill Panels: Intermediate-crimp, diamond [square] pattern, 2-inch (50-mm) woven-wire mesh, made from 0.134-inch- (3.42-mm-) diameter steel wire complying with ASTM A510 (ASTM A510M).

Retain "Basis-of-Design Product" Subparagraph below to identify a specific product.

1. Basis-of-Design Product: Provide product with crimp pattern matching McNichols Metals or approved equal.

2.4 FASTENERS

- A. Fastener Materials:
 1. Ungalvanized-Steel Railing Components: Plated steel fasteners complying with ASTM F1941/F1941M, Class Fe/Zn 5 for zinc coating.
 2. Hot-Dip Galvanized Railing Components: Type 304 stainless steel or hot-dip zinc-coated steel fasteners complying with ASTM A153/A153M or ASTM F2329/F2329M for zinc coating.
 3. Finish exposed fasteners to match appearance, including color and texture, of railings.
- B. Fasteners for Anchoring Railings to Other Construction: Select fasteners of type, grade, and class required to produce connections suitable for anchoring railings to other types of construction and capable of withstanding design loads.
- C. Fasteners for Interconnecting Railing Components:
 1. Provide concealed fasteners for interconnecting railing components and for attaching them to other work, unless exposed fasteners are unavoidable or are the standard fastening method for railings indicated.
 2. Provide tamper-resistant flat-head machine screws for exposed fasteners unless otherwise indicated.

PIPE AND TUBE RAILINGS

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FITZGERALD THEATER RENOVATIONS
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- D. Post-Installed Anchors: Fastener systems with working capacity greater than or equal to the design load, according to an evaluation report acceptable to authorities having jurisdiction, based on ICC-ES AC193.
 - 1. Material for Interior Locations: Carbon-steel components zinc-plated to comply with ASTM B633 or ASTM F1941/F1941M, Class Fe/Zn 5, unless otherwise indicated.

2.5 MISCELLANEOUS MATERIALS

- A. Handrail Brackets: Cast iron, center of handrail 3-1/8 inches (79.4 mm) from face of railing or wall.
- B. Welding Rods and Bare Electrodes: Select in accordance with AWS specifications for metal alloy welded.
- C. Shop Primers: Provide primers that comply with Section 099123 "Interior Painting."
- D. Universal Shop Primer: Fast-curing, lead- and chromate-free, universal modified-alkyd primer complying with MPI#79 and compatible with topcoat.
 - 1. Use primer containing pigments that make it easily distinguishable from zinc-rich primer.
- E. Intermediate Coats and Topcoats: Provide products that comply with 099123 "Interior Painting."
- F. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout, complying with ASTM C1107/C1107M. Provide grout specifically recommended by manufacturer for interior and exterior applications.
- G. Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with water at Project site to create pourable anchoring, patching, and grouting compound.
 - 1. Water-Resistant Product: [At exterior locations] [and] [where indicated on Drawings], provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended by manufacturer for exterior use.

2.6 FABRICATION

- A. General: Fabricate railings to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage, but not less than that required to support structural loads.
- B. Shop assemble railings to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations.
 - 1. Clearly mark units for reassembly and coordinated installation.
 - 2. Use connections that maintain structural value of joined pieces.

PIPE AND TUBE RAILINGS

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- C. Cut, drill, and punch metals cleanly and accurately.
 - 1. Remove burrs and ease edges to a radius of approximately 1/32 inch (1 mm) unless otherwise indicated.
 - 2. Remove sharp or rough areas on exposed surfaces.
- D. Form work true to line and level with accurate angles and surfaces.
- E. Fabricate connections that are exposed to weather in a manner that excludes water.
 - 1. Provide weep holes where water may accumulate.
 - 2. Locate weep holes in inconspicuous locations.
- F. Cut, reinforce, drill, and tap as indicated to receive finish hardware, screws, and similar items.
- G. Connections: Fabricate railings with welded or nonwelded connections unless otherwise indicated.
- H. Gates: Form gates from steel tube of same size and shape as top rails, with infill to match guards. Provide with spring hinges for fastening to wall and overlapping stop with rubber bumper to prevent gate from opening in direction opposite egress.
- I. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.
 - 2. Obtain fusion without undercut or overlap.
 - 3. Remove flux immediately.
 - 4. At exposed connections, finish exposed welds to comply with NOMMA's "Voluntary Joint Finish Standards" for Finish #2 welds; good appearance, completely sanded joint, some undercutting and pinholes okay.
- J. Nonwelded Connections: Connect members with concealed mechanical fasteners and fittings. Fabricate members and fittings to produce flush, smooth, rigid, hairline joints.
 - 1. Fabricate splice joints for field connection, using an epoxy structural adhesive, if this is manufacturer's standard splicing method.
- K. Form changes in direction as follows:
 - 1. As detailed.
 - 2. By bending to smallest radius that will not result in distortion of railing member.
- L. Bend members in jigs to produce uniform curvature for each configuration required. Maintain cross section of member throughout entire bend without buckling, twisting, cracking, or otherwise deforming exposed surfaces of components.
- M. Close exposed ends of hollow railing members with prefabricated cap and end fittings of same metal and finish as railings.

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- N. Provide wall returns at ends of wall-mounted handrails unless otherwise indicated. Close ends of returns unless clearance between end of rail and wall is 1/4 inch (6 mm) or less.
- O. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, flanges, miscellaneous fittings, and anchors to interconnect railing members to other work unless otherwise indicated.
1. At brackets and fittings fastened to plaster or gypsum board partitions, provide crush-resistant fillers or other means to transfer loads through wall finishes to structural supports and prevent bracket or fitting rotation and crushing of substrate.
- P. Provide inserts and other anchorage devices for connecting railings to concrete or masonry work.
1. Fabricate anchorage devices capable of withstanding loads imposed by railings.
 2. Coordinate anchorage devices with supporting structure.
- Q. For railing posts set in concrete, provide stainless steel sleeves not less than 6 inches (150 mm) long with inside dimensions not less than 1/2 inch (13 mm) greater than outside dimensions of post, with metal plate forming bottom closure.
- R. For removable railing posts, fabricate slip-fit sockets from stainless steel tube or pipe whose ID is sized for a close fit with posts; limit movement of post without lateral load, measured at top, to not more than one-fortieth of post height.
1. Provide socket covers designed and fabricated to resist being dislodged.
 2. Provide chain with eye, snap hook, and staple across gaps formed by removable railing sections at locations indicated. Fabricate from same metal as railings.
- S. Woven-Wire Mesh Infill Panels: Fabricate infill panels from woven-wire mesh crimped into 1-by-1/2-by-1/8-inch (25-by-13-by-3-mm) metal channel frames.
1. Fabricate wire mesh and frames from same metal as railings in which they are installed.
 2. Orient wire mesh with wires perpendicular and parallel to top rail.
- 2.7 STEEL AND IRON FINISHES
- A. Preparation for Shop Priming: Prepare uncoated ferrous-metal surfaces to comply with SSPC-SP 6/NACE No. 3.
- B. Primer Application: Apply shop primer to prepared surfaces of railings unless otherwise indicated. Comply with requirements in SSPC-PA 1 for shop painting. Primer need not be applied to surfaces to be embedded in concrete or masonry.
- C. Shop-Painted Finish:
1. Color: To match adjacent railings, as selected by Architect from manufacturer's full range.

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BID NUMBER IFB# 02-25

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine plaster and gypsum board assemblies, where reinforced to receive anchors, to verify that locations of concealed reinforcements are clearly marked for Installer. Locate reinforcements and mark locations if not already done.

3.2 INSTALLATION, GENERAL

- A. Perform cutting, drilling, and fitting required for installing railings.
 - 1. Fit exposed connections together to form tight, hairline joints.
 - 2. Install railings level, plumb, square, true to line; without distortion, warp, or rack.
 - 3. Set railings accurately in location, alignment, and elevation; measured from established lines and levels.
 - 4. Do not weld, cut, or abrade surfaces of railing components that are coated or finished after fabrication and that are intended for field connection by mechanical or other means without further cutting or fitting.
 - 5. Set posts plumb within a tolerance of 1/16 inch in 3 feet (2 mm in 1 m).
 - 6. Align rails so variations from level for horizontal members and variations from parallel with rake of steps and ramps for sloping members do not exceed 1/4 inch in 12 feet (6 mm in 3.5 m).
- B. Control of Corrosion: Prevent galvanic action and other forms of corrosion by insulating metals and other materials from direct contact with incompatible materials.
 - 1. Coat concealed surfaces of aluminum that will be in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.
- C. Adjust railings before anchoring to ensure matching alignment at abutting joints.
- D. Fastening to In-Place Construction: Use anchorage devices and fasteners where necessary for securing railings and for properly transferring loads to in-place construction.

3.3 RAILING CONNECTIONS

- A. Nonwelded Connections: Use mechanical or adhesive joints for permanently connecting railing components. Use wood blocks and padding to prevent damage to railing members and fittings. Seal recessed holes of exposed locking screws, using plastic cement filler colored to match finish of railings.
- B. Welded Connections: Use fully welded joints for permanently connecting railing components. Comply with requirements for welded connections in "Fabrication" Article, whether welding is performed in the shop or in the field.

PIPE AND TUBE RAILINGS

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FITZGERALD THEATER RENOVATIONS
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3.4 ANCHORING POSTS

- A. Use stainless steel pipe sleeves preset and anchored into concrete for installing posts. After posts are inserted into sleeves, fill annular space between post and sleeve with nonshrink, nonmetallic grout or anchoring cement, mixed and placed to comply with anchoring material manufacturer's written instructions.
- B. Form or core-drill holes not less than 5 inches (125 mm) deep and 3/4 inch (20 mm) larger than OD of post for installing posts in concrete. Clean holes of loose material, insert posts, and fill annular space between post and concrete with [nonshrink, nonmetallic grout] [or] [anchoring cement], mixed and placed to comply with anchoring material manufacturer's written instructions.

Retain one of first two paragraphs below if retaining either concrete anchorage method above.

- C. Cover anchorage joint with flange of same metal as post, welded to post after placing anchoring material or attached to post with setscrews.
- D. Anchor posts to metal surfaces with flanges, angle type, or floor type, as required by conditions, connected to posts and to metal supporting members as follows:
 - 1. For steel railings, weld flanges to post and bolt to metal supporting surfaces.

3.5 ATTACHING RAILINGS

- A. Attach handrails to walls with wall brackets. Provide brackets with 1-1/2-inch (38-mm) clearance from inside face of handrail and finished wall surface.
 - 1. Locate brackets as indicated or, if not indicated, at spacing required to support structural loads.
- B. Secure wall brackets and railing end flanges to building construction as follows:
 - 1. For concrete and solid masonry anchorage, use drilled-in expansion shields and hanger or lag bolts.
 - 2. For hollow masonry anchorage, use toggle bolts.
 - 3. For wood stud partitions, use hanger or lag bolts set into studs or wood backing between studs. Coordinate with carpentry work to locate backing members.
- C. Install railing gates level, plumb, and secure for full opening without interference.
 - 1. Attach hardware using tamper-resistant or concealed means.
 - 2. Adjust hardware for smooth operation.

3.6 REPAIR

- A. Touchup Painting:

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1. Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
 - a. Apply by brush or spray to provide a minimum 2.0-mil (0.05-mm) dry film thickness.

3.7 CLEANING

- A. Clean by washing thoroughly with clean water and soap and rinsing with clean water.

3.8 PROTECTION

- A. Protect finishes of railings from damage during construction period with temporary protective coverings approved by railing manufacturer. Remove protective coverings at time of Substantial Completion.
- B. Restore finishes damaged during installation and construction period, so no evidence remains of correction work. Return items that cannot be refinished in the field to the shop; make required alterations and refinish entire unit, or provide new units.

END OF SECTION 055213

FITZGERALD THEATER RENOVATIONS
CITY OF ROCKVILLE2019.331.013
BID NUMBER IFB# 02-25

SECTION 064023 - INTERIOR ARCHITECTURAL WOODWORK. (ENTIRE SECTION ADDED FOR ADDENDUM #1)

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Interior standing and running trim for transparent finish.
2. Interior standing and running trim for opaque finish.
3. Interior casework for box office surround.
4. Interior wood stairs and railings.
5. Miscellaneous materials.
6. Shop priming.
7. Shop finishing.

B. Related Requirements:

1. Section 061000 "Rough Carpentry"
2. Section 064116 "Plastic Laminate Faced Architectural Casework"

1.2 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections, to ensure that interior architectural woodwork can be supported and installed as indicated.

1.3 ACTION SUBMITTALS

A. Product Data:

1. Shop finishing materials.

- B. Waterborne Treatments: For products receiving a waterborne treatment, include statement that moisture content of treated materials was reduced to levels specified before shipment to Project site.

C. Shop Drawings:

1. Include the following:
 - a. Dimensioned plans, elevations, and sections.
2. Show large-scale details.

INTERIOR ARCHITECTURAL WOODWORK

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3. Show locations and sizes of furring, blocking, and hanging strips, including blocking and reinforcement concealed by construction and specified in other Sections.
 4. Apply AWI Quality Certification Program label to Shop Drawings.
- D. Samples for Initial Selection: For each type of shop-applied exposed finish.
1. Size:
 - a. Panel Products: 12 inches by 12 inches (300 mm by 300 mm).
 - b. Lumber Products: Not less than 5 inches (125 mm) wide by 12 inches (300 mm) long for each species and cut, finished on one side and one edge.
- E. Samples for Verification: For the following:
- 1.4 INFORMATIONAL SUBMITTALS
- A. Qualification Data: For architectural woodwork manufacturer.
- 1.5 CLOSEOUT SUBMITTALS
- A. Quality Standard Compliance Certificates: AWI Quality Certification Program certificates.
- 1.6 QUALITY ASSURANCE
- A. Manufacturer's Qualifications: Employs skilled workers who custom fabricate products similar to those required for this Project and whose products have a record of successful in-service performance.
 1. Manufacturer's Certification: Licensed participant in AWI's Quality Certification Program.
 - B. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
 1. Build mockups of Box Office Transaction Window Door (refer to details, sheet A-608)
 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Owner specifically approves such deviations by Change Order.
 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.
- 1.7 DELIVERY, STORAGE, AND HANDLING
- A. Comply with the Architectural Woodwork Standards, Section 2.
 - B. Do not deliver interior architectural woodwork until painting and similar finish operations that might damage woodwork have been completed in installation areas.

INTERIOR ARCHITECTURAL WOODWORK

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- C. Store woodwork in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.
 - 1. Handle and store fire-retardant-treated wood to comply with chemical treatment manufacturer's written instructions.

1.8 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install interior architectural woodwork until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature and relative humidity at levels designed for building occupants for the remainder of the construction period.
- B. Environmental Limitations with Humidity Control: Do not deliver or install interior architectural woodwork until building is enclosed, wet-work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 deg F (16 and 32 deg C) and relative humidity between 43 and 70percent during the remainder of the construction period.
- C. Field Measurements: Where interior architectural woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings.
 - 1. Locate concealed framing, blocking, and reinforcements that support woodwork by field measurements before being concealed by construction, and indicate measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 WOODWORK, GENERAL

- A. Quality Standard: Unless otherwise indicated, comply with the Architectural Woodwork Standards for grades of interior architectural woodwork indicated for construction, finishes, installation, and other requirements.

2.2 INTERIOR STANDING AND RUNNING TRIM FOR TRANSPARENT FINISH

- A. Architectural Woodwork Standards Grade: Premium.
- B. Hardwood Lumber:
 - 1. Wood Species and Cut: Match species and cut indicated for other types of transparent-finished architectural woodwork located in same area of building unless otherwise indicated.
 - 2. Species: White oak
 - 3. Cut: Plain sliced/plain
 - 4. Wood Moisture Content: 5 to 10 percent.

INTERIOR ARCHITECTURAL WOODWORK

064023 - 3

FITZGERALD THEATER RENOVATIONS
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5. Provide split species on trim that faces areas with different wood species, matching each face of woodwork to species and cut of finish wood surfaces in areas finished.
6. For trim items other than base wider than available lumber, use veneered construction. Do not glue for width.
 - a. For veneered base, use hardwood lumber core, glued for width.
7. For base wider than available lumber, glue for width. Do not use veneered construction.

2.3 INTERIOR STANDING AND RUNNING TRIM FOR OPAQUE FINISH

- A. Architectural Woodwork Standards Grade: Premium.
 1. Wood Species: Any closed-grain hardwood .
 2. Wood Moisture Content: 5 to 10 percent.

2.4 INTERIOR CASEWORK FOR BOX OFFICE SURROUND

- A. Architectural Woodwork Standards Grade: Premium.
- B. Hardwood Lumber:
 1. Species: White oak
 2. Cut: Plain sliced/plain
 3. Wood Moisture Content: 5 to 10 percent.
 4. Provide split species on trim that faces areas with different wood species, matching each face of woodwork to species and cut of finish wood surfaces in areas finished.
 5. For trim items wider than available lumber, use veneered construction. Do not glue for width.
 - a. For veneered items, use hardwood lumber core, glued for width.
 6. For base wider than available lumber, glue for width. Do not use veneered construction.

2.5 HARDWOOD SHEET MATERIALS

- A. Composite Wood Products: Provide materials that comply with requirements of the Architectural Woodwork Standards for each type of interior architectural woodwork and quality grade specified unless otherwise indicated.
 1. Medium-Density Fiberboard (MDF): ANSI A208.2, Grade 130.
 2. Particleboard: ANSI A208.1, Grade M-2
 3. Softwood Plywood: DOC PS 1.
 4. Veneer-Faced Panel Products (Hardwood Plywood): HPVA HP-1.

2.6 PRESERVATIVE-TREATED-WOOD MATERIAL

- A. Preservative-Treated-Wood Materials: Provide with water-repellent preservative treatment complying with AWWPA N1 (dip, spray, flood, or vacuum-pressure treatment).

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1. Preservative Chemicals: 3-iodo-2-propynyl butyl carbamate (IPBC)[, combined with a compatible EPA-registered insecticide].
2. Use chemical formulations that do not bleed through or otherwise adversely affect finishes. Do not use colorants in solution to distinguish treated material from untreated material.

2.7 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Nailers: Fire-retardant-treated softwood lumber, kiln-dried to less than 15 percent moisture content.
- B. Provide self-drilling screws for metal-framing supports, as recommended by metal-framing manufacturer.
- C. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage.
 1. Provide metal expansion sleeves or expansion bolts for post-installed anchors.
 2. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.
- D. Installation Adhesive: Product recommended by fabricator for each substrate for secure anchorage.
- E. Casework Lock: Olympus Lock Model 100DRfinish US4, or approved equal.
- F. Piano Hinge: Stanley model 651HD US32, or approved equal

2.8 FABRICATION

- A. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.
- B. Fabricate interior architectural woodwork to dimensions, profiles, and details indicated.
 1. Ease edges to radius indicated for the following:
 - a. Edges of Solid-Wood (Lumber) Members: 1/16 inch (1.5 mm) unless otherwise indicated.
 - b. Edges of Rails and Similar Members More Than 3/4 Inch (19 mm) Thick: 1/8 inch (3 mm).
- C. Complete fabrication, including assembly, to maximum extent possible before shipment to Project site.
 1. Disassemble components only as necessary for shipment and installation.
 2. Where necessary for fitting at site, provide allowance for scribing, trimming, and fitting.
 3. Notify Architect seven days in advance of the dates and times interior architectural woodwork fabrication will be complete.
 4. Trial fit assemblies at fabrication shop that cannot be shipped completely assembled.

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- a. Install dowels, screws, bolted connectors, and other fastening devices that can be removed after trial fitting.
- b. Verify that parts fit as intended, and check measurements of assemblies against field measurements indicated on approved Shop Drawings before disassembling for shipment.

2.9 SHOP PRIMING

- A. Preparations for Finishing: Comply with the Architectural Woodwork Standards for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing interior architectural woodwork, as applicable to each unit of work.
- B. Interior Architectural Woodwork for Opaque Finish: Shop prime with one coat of wood primer as specified in Section 099123 "Interior Painting."
 1. Backpriming: Apply one coat of primer, compatible with finish coats, to concealed surfaces of woodwork.[Apply two coats to surfaces installed in contact with concrete or masonry and to end-grain surfaces.]
- C. Interior Architectural Woodwork for Transparent Finish: Shop-seal concealed surfaces with required pretreatments and first coat of finish as specified in Section 099300 "Staining and Transparent Finishing."
 1. Backpriming: Apply one coat of sealer, compatible with finish coats, to concealed surfaces of woodwork.[Apply two coats to surfaces installed in contact with concrete or masonry and to end-grain surfaces.]

2.10 SHOP FINISHING

- A. Finish interior architectural woodwork as indicated on Drawings at fabrication shop. Defer only final touchup, cleaning, and polishing until after installation.
- B. Preparation for Finishing: Comply with Architectural Woodwork Standards, Section 5 for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing interior architectural woodwork, as applicable to each unit of work.
 1. Backpriming: Apply one coat of sealer or primer, compatible with finish coats, to concealed surfaces of interior architectural woodwork. Apply two coats to end-grain surfaces.
- C. Transparent Finish:
 1. Architectural Woodwork Standards Grade: Premium].
 2. Wash Coat for Closed-Grain Woods: Apply wash-coat sealer to woodwork made from closed-grain wood before staining and finishing.
 3. Staining: Match approved sample for color
 4. Open Finish for Open-Grain Woods: Do not apply filler to open-grain woods.

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5. Filled Finish for Open-Grain Woods: After staining, apply wash-coat sealer and allow to dry. Apply paste wood filler and wipe off excess. Tint filler to match stained wood.
6. Sheen: Flat, 15-30 gloss units measured on 60-degree gloss meter in accordance with ASTM D523.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Before installation, condition interior architectural woodwork to humidity conditions in installation areas for not less than 72 hours prior to beginning of installation.
- B. Before installing interior architectural woodwork, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming of concealed surfaces.

3.2 INSTALLATION

- A. Grade: Install interior architectural woodwork to comply with same grade as item to be installed.
- B. Assemble interior architectural woodwork and complete fabrication at Project site to the extent that it was not completed during shop fabrication.
- C. Install interior architectural woodwork level, plumb, true in line, and without distortion.
 1. Shim as required with concealed shims.
 2. Install level and plumb to a tolerance of 1/8 inch in 96 inches (3 mm in 2400 mm).
- D. Scribe and cut interior architectural woodwork to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
- E. Preservative-Treated Wood: Where cut or drilled in field, treat cut ends and drilled holes in accordance with AWP A M4.
- F. Fire-Retardant-Treated Wood: Install fire-retardant-treated wood to comply with chemical treatment manufacturer's written instructions, including those for adhesives used to install woodwork.
- G. Anchor interior architectural woodwork to anchors or blocking built in or directly attached to substrates.
 1. Secure with countersunk, concealed fasteners and blind nailing.
 2. Use fine finishing nails or finishing screws for exposed fastening, countersunk and filled flush with interior architectural woodwork.
 3. For shop-finished items, use filler matching finish of items being installed.
- H. Standing and Running Trim:

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1. Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to greatest extent possible.
2. Do not use pieces less than inches (2400 mm)] long, except where shorter single-length pieces are necessary.
3. Scarf running joints and stagger in adjacent and related members.
4. Fill gaps, if any, between top of base and wall with [plastic wood filler; sand smooth; and finish same as wood base if finished] [latex sealant, painted to match wall].
5. Install standing and running trim with no more variation from a straight line than 1/8 inch in 96 inches (3 mm in 2400 mm).

3.3 FIELD QUALITY CONTROL

- A. Inspections: Provide inspection of installed Work through AWT's Quality Certification Program certifying that woodwork, including installation, complies with requirements of the Architectural Woodwork Standards for the specified grade.
 1. Inspection entity is to prepare and submit report of inspection.

3.4 REPAIR

- A. Repair damaged and defective interior architectural woodwork, where possible, to eliminate functional and visual defects[and to result in interior architectural woodwork being in compliance with requirements of Architectural Woodwork Standards for the specified grade].
- B. Where not possible to repair, replace defective woodwork.
- C. Shop Finish: Touch up finishing work specified in this Section after installation of interior architectural woodwork.
 1. Fill nail holes with matching filler where exposed.
 2. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats are shop applied.

3.5 CLEANING

- A. Clean interior architectural woodwork on exposed and semiexposed surfaces.

END OF SECTION 064023

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SECTION 096813 - TILE CARPETING (ADDENDUM #1)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

- 1. Modular carpet tile.

B. Related Requirements:

- 1. Section 024119 "Selective Demolition" for removing existing floor coverings.
- 2. Section 096513 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

- 1. Review methods and procedures related to carpet tile installation including, but not limited to, the following:
 - a. Review delivery, storage, and handling procedures.
 - b. Review ambient conditions and ventilation procedures.
 - c. Review subfloor preparation procedures.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

- 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
- 2. Include manufacturer's written installation recommendations for each type of substrate.

B. Shop Drawings: For carpet tile installation, plans showing the following:

- 1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
- 2. Carpet tile type, color, and dye lot.

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3. Type of subfloor.
4. Type of installation.
5. Pattern of installation.
6. Pattern type, location, and direction.
7. Pile direction.
8. Type, color, and location of insets and borders.
9. Type, color, and location of edge, transition, and other accessory strips.
10. Transition details to other flooring materials.

C. Samples: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

1. Carpet Tile: Full-size Sample.
2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- (300-mm-) long Samples.

D. Samples for Initial Selection: For each type of carpet tile.

1. Include Samples of exposed edge, transition, and other accessory stripping involving color or finish selection.

E. Samples for Verification: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.

1. Carpet Tile: Full-size Sample.
2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- (300-mm-) long Samples.

F. Product Schedule: For carpet tile. Use same designations indicated on Drawings.

G. Sustainable Product Certification: Provide ANSI/NSF 140 certification for carpet products.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
- C. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:

1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.

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2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 1. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd. (8.3 sq. m).

1.8 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced installer who is certified by the International Certified Floorcovering Installers Association at the Commercial II certification level.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.

1.10 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.

1.11 WARRANTY

- A. Special Warranty for Carpet Tiles: Manufacturer agrees to repair or replace components of carpet tile installation that fail in materials or workmanship within specified warranty period.
 1. Warranty does not include deterioration or failure of carpet tile due to unusual traffic, failure of substrate, vandalism, or abuse.
 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent edge raveling, snags, and runs.

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- b. Dimensional instability.
- c. Excess static discharge.
- d. Loss of tuft-bind strength.
- e. Loss of face fiber.
- f. Delamination.

- 3. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 CARPET TILE - CPT-1 (Match existing carpet in Lobby)

- A. Model: Ecoworx by Shaw
- B. Construction: Patterned loop.
- C. Pile Thickness: 0.092" (2.34mm) for finished carpet tile.
- D. Stitches: 10.33 stitches per inch
- E. Gage: 5/64
- F. Total Weight: 20 oz./sq. yd. for finished carpet tile.
- G. Primary Backing/Backcoating: Manufacturer's standard composite materials.
- H. Secondary Backing: Manufacturer's standard material.
- I. Backing System: Infinity 2 Modular
- J. Size: Match existing
- K. Applied Treatments:
 - 1. Soil-Resistance Treatment: Manufacturer's standard treatment.
 - 2. Antimicrobial Treatment: Manufacturer's standard treatment Insert other performance characteristics to suit Project, such as smoke density, or additional colorfastness characteristics.
- L. Note: Client has attic stock of the existing carpet. Contract will verify available quantities against anticipated requirements prior to ordering new tile.

2.2 CARPET TILE - CPT-4 (To be installed under ADDENDUM# 5 throughout the LOBBY [101]) paragraph added with Addendum #1

- A. Model: WONDER 54756 by Philadelphi Commercial
- B. Color: 00510 "Embrace"

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- C. Construction: Multilevel patterned loop.
 - D. Pile Thickness: 0.28" (.1mm) for finished carpet tile.
 - E. Stitches: 12 stitches per inch
 - F. Gage: 1/12 in
 - G. Total Weight: 23 oz./sq. yd. for finished carpet tile.
 - H. Primary Backing/Backcoating: Manufacturer's standard synthetic materials.
 - I. Secondary Backing: Manufacturer's standard material, "Ecoworx".
 - J. Size: 24" x 24"
 - K. Installation: ¼ turn
 - L. Applied Treatments:
 - 1. Soil-Resistance Treatment: Manufacturer's standard treatment.
 - 2. Antimicrobial Treatment: Manufacturer's standard treatment
- 2.3 CARPET TILE - CPT-5 (To be installed under ADDENDUM# 5 at north entry to the LOBBY [101]) paragraph added with Addendum #1
- A. Model: 04839 ASSERTIVE STRIA by Tarkett
 - B. Color: 26213 Forge
 - C. Construction: Stratatec Patterned Loop
 - D. Stitches: 9 stitches per inch
 - E. Total Weight: 23 oz./sq. yd. for finished carpet tile.
 - F. Primary Backing/Backcoating: Manufacturer's standard.
 - G. Secondary Backing: Manufacturer's standard material.
 - H. Size: 24" x 24"
 - I. Installation: ¼ turn
 - J. Applied Treatments:
 - 1. Soil-Resistance Treatment: Manufacturer's standard treatment.
 - 2. Antimicrobial Treatment: Manufacturer's standard treatment

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2.4 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.
- C. Metal Edge/Transition Strips: Extruded aluminum or formed stainless steel with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet tile performance.
- B. Examine carpet tile for type, color, pattern, and potential defects.
- C. Concrete Slabs: Verify that finishes comply with requirements specified in Section 033000 "Cast-in-Place Concrete" and that surfaces are free of cracks, ridges, depressions, scale, and foreign deposits.
 - 1. Moisture Testing: Perform tests so that each test area does not exceed 200 sq. ft. (18.6 sq. m), and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m) in 24 hours.
 - b. Relative Humidity Test: Using in situ probes, ASTM F2170. Proceed with installation only after substrates have a maximum 75 percent relative humidity level measurement.
 - c. Perform additional moisture tests recommended in writing by adhesive and carpet tile manufacturers. Proceed with installation only after substrates pass testing.
- D. Metal Subfloors: Verify the following:
 - 1. Underlayment surface is free of irregularities and substances that may interfere with adhesive bond or show through surface.
- E. Painted Subfloors: Perform bond test recommended in writing by adhesive manufacturer.
 - 1. Access Flooring Systems: Verify the following:

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2. Access floor substrate is compatible with carpet tile and adhesive if any.
3. Underlayment surface is flat, smooth, evenly planed, tightly jointed, and free of irregularities, gaps greater than 1/8 inch (3 mm), protrusions more than 1/32 inch (0.8 mm), and substances that may interfere with adhesive bond or show through surface.

F. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. Use trowelable leveling and patching compounds, according to manufacturer's written instructions, to fill cracks, holes, depressions, and protrusions in substrates. Fill or level cracks, holes and depressions 1/8 inch (3 mm) wide or wider, and protrusions more than 1/32 inch (0.8 mm) unless more stringent requirements are required by manufacturer's written instructions.
- C. Concrete Substrates: Remove coatings, including curing compounds, and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, without using solvents. Use mechanical methods recommended in writing by adhesive and carpet tile manufacturers.
- D. Metal Substrates: Clean grease, oil, soil and rust, and prime if recommended in writing by adhesive manufacturer. Rough sand painted metal surfaces and remove loose paint. Sand aluminum surfaces, to remove metal oxides, immediately before applying adhesive.
- E. Broom and vacuum clean substrates to be covered immediately before installing carpet tile.

3.3 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Installation Method: As recommended in writing by carpet tile manufacturer.
- C. Maintain dye-lot integrity. Do not mix dye lots in same area.
- D. Maintain pile-direction patterns indicated on Drawings.
- E. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- F. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.

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- G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- H. Install pattern parallel to walls and borders.
- I. Access Flooring: Stagger joints of carpet tiles so carpet tile grid is offset from access flooring panel grid. Do not fill seams of access flooring panels with carpet adhesive; keep seams free of adhesive.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 - 2. Remove yarns that protrude from carpet tile surface.
 - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 096813

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SECTION 096816 - SHEET CARPETING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Tufted carpet.
 - 2. Carpet cushion.
- B. Related Requirements:
 - 1. Section 024119 "Selective Demolition" for removing existing floor coverings.
 - 2. Section 096813 "Tile Carpeting" for modular carpet tiles.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site
 - 1. Review methods and procedures related to carpet installation including, but not limited to, the following:
 - a. Review delivery, storage, and handling procedures.
 - b. Review ambient conditions and ventilation procedures.
 - c. Review subfloor preparation procedures.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
 - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Samples for Verification: Actual sample of finished products for each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
 - 1. Carpet: 12-inch- (300-mm-) square Sample.
 - 2. Exposed Edge, Transition, and Other Accessory Stripping: 12-inch- (300-mm-) long Samples.
 - 3. Carpet Cushion: 6-inch- (150-mm-) square Sample.
 - 4. Carpet Seam: 6-inch (150-mm) Sample.
- C. Product Test Reports: For carpet and carpet cushion, for tests performed by a qualified testing agency.

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- D. Qualification Statements: For Installer.
- E. Sample Warranties: For sheet carpeting.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet. Include the following:
 - 1. Methods for maintaining carpet, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
 - 2. Precautions for cleaning materials and methods that could be detrimental to carpet.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Extra Stock Material: Furnish extra materials, from the same production run, to Owner that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Carpet: Full-width rolls equal to 5 percent of amount installed for each type indicated, but not less than 5 sq. yd. (8.3 sq. m).

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An authorized representative who is certified by the International Certified Floorcovering Installers Association at the Commercial II level.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Comply with CRI 104.
- B. Deliver carpet in original mill protective covering with mill register numbers and tags attached.

1.8 FIELD CONDITIONS

- A. Comply with CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet[and carpet cushion] until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.

1.9 WARRANTY

- A. Special Warranty for Carpet: Manufacturer agrees to repair or replace components of carpet installation that fail in materials or workmanship within specified warranty period.

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1. Warranty does not include deterioration or failure of carpet due to unusual traffic, failure of substrate, vandalism, or abuse.
 2. Failures include, but are not limited to, the following:
 - a. More than 10 percent loss of face fiber, edge raveling, snags, and runs.
 - b. Loss of tuft-bind strength.
 - c. Excess static discharge.
 - d. Delamination.
 3. Warranty Period: 10 years from date of Substantial Completion.
- B. Special Warranty for Carpet Cushion: Manufacturer agrees to repair or replace components of carpet cushion installation that fail in materials or workmanship within specified warranty period.
1. Warranty includes removal and replacement of carpet and accessories required by replacement of carpet cushion.
 2. Warranty does not include deterioration or failure of carpet cushion due to unusual traffic, failure of substrate, vandalism, or abuse.
 3. Failure includes, but is not limited to, permanent indentation or compression.
 4. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 TUFTED CARPET (CPT-2)

- A. Basis of Design: Tarket "Acadia" Series #44069
- B. Color: Ravenwood #02982
- C. Fiber Type: Per manufacturer's Synex SD® nylon
- D. Pile Thickness: .217 inch for finished carpet[in accordance with ASTM D6859].
- E. Stitches: 8.8 stitches per inch.
- F. Total Weight: 65.7 oz./sq. yd.
- G. Primary Backing: Manufacturer's standard material
- H. Secondary Backing: Manufacturer's standard material
- I. Backcoating: Manufacturer's standard material
- J. Performance Characteristics:
 1. Texture Appearance Retention Rating (TARR): Heavy traffic, 3.0 in accordance with ASTM D7330.

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- A. Basis of Design: Philadelphia Commercial “Color Accents”
- B. Color: Black #62505
- C. Fiber Type: Per manufacturer’s 100% Eco Solution Q Nylon
- D. Pile Thickness: .155 inch for finished carpet[in accordance with ASTM D6859].
- E. Stitches: 10 stitches per inch.
- F. Total Weight: 30 oz./sq. yd.
- G. Primary Backing: Manufacturer's standard synthetic material
- H. Backcoating: Manufacturer's standard material
- I. Performance Characteristics:
 - 1. Traffic Rating: Severe

2.3 CARPET CUSHION

- A. Traffic Classification: Carpet Cushion Council's Class II, heavytraffic.
- B. Fiber Cushion: Synthetic.
- C. Performance Characteristics:
 - 1. Critical Radiant Flux Classification: Not less than 0.45 W/sq. cmin accordance with NFPA 253.
 - 2. Noise Reduction Coefficient (NRC): .5 NRC in accordance with ASTM C423.
- D. Sustainable Design Requirements:

2.4 INSTALLATION ACCESSORIES

- A. Adhesives: Water-resistant, mildew-resistant, nonstaining types to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet and that are recommended in writing or provided by [carpet manufacturer] [carpet and carpet cushion manufacturers].
- B. Tackless Carpet Stripping: Water-resistant plywood, in strips as required to match cushion thickness and that comply with CRI 104.
- C. Seam Adhesive: Hot-melt adhesive tape or similar product recommended in writing by carpet manufacturer for sealing and taping seams and butting cut edges at backing to form secure seams and to prevent pile loss at seams.

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- D. Metal Edge/Transition Strips: Extruded aluminum with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for maximum moisture content, alkalinity range, installation tolerances, and other conditions affecting carpet performance.
- B. Examine carpet for type, color, pattern, and potential defects.
- C. Wood Subfloors: Verify the following:
 - 1. Underlayment over subfloor complies with requirements specified in Section 061600 "Sheathing."
 - 2. Underlayment surface is free of irregularities and substances that may interfere with adhesive bond or show through surface.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. General: Comply with CRI 104 and with carpet manufacturer's written installation instructions for preparing substrates.

3.3 INSTALLATION

- A. Comply with CRI 104 and carpet and carpet cushion manufacturers' written installation instructions for the following:
 - 1. Preapplied adhesive installation.
 - 2. Hook-and-loop installation.
 - 3. Stretch-in installation.
 - 4. Stair installation.
- B. Comply with carpet manufacturer's written instructions and Shop Drawings for seam locations and direction of carpet; maintain uniformity of carpet direction and lay of pile. At doorways, center seams under the door in closed position.
 - 1. Stretch-in Carpet Installation: Install carpet cushion seams at 90-degree angle with carpet seams.
- C. Install borders with mitered corner seams.
- D. Do not bridge building expansion joints with carpet.

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- E. Cut and fit carpet to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended in writing by carpet manufacturer.
- F. Extend carpet into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- G. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet as marked on subfloor. Use nonpermanent, nonstaining marking device.

3.4 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet:
 - 1. Remove excess adhesive, seam sealer, and other surface blemishes using cleaner recommended in writing by carpet manufacturer.
 - 2. Remove yarns that protrude from carpet surface.
 - 3. Vacuum carpet using commercial machine with face-beater element.
- B. Protect carpet against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet manufacturer.

END OF SECTION 096816

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SECTION 099123 - INTERIOR PAINTING (ADDENDUM #1)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on interior substrates.

1.3 DEFINITIONS

- A. MPI Gloss Level 1: Not more than five units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
- B. MPI Gloss Level 2: Not more than 10 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
- C. MPI Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
- D. MPI Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.
- E. MPI Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.
- F. MPI Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
- G. MPI Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
 - 1. Include Printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 2. Indicate VOC content.
- B. Samples for Initial Selection: For each type of topcoat product.

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- C. Samples for Verification: For each type of paint system and in each color and gloss of topcoat.
 - 1. Submit Samples on rigid backing, 8 inches (200 mm) square.
 - 2. Apply coats on Samples in steps to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- D. Product List: Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules. Include color designations.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Paint: 5 percent, but not less than 1 gal. (3.8 L) of each material and color applied.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F (7 deg C).
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.7 FIELD CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 95 deg F (10 and 35 deg C).
- B. Do not apply paints when relative humidity exceeds 85 percent; at temperatures less than 5 deg F (3 deg C) above the dew point; or to damp or wet surfaces.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products: Subject to compliance with requirements, available products that may be incorporated into the Work include, but are not limited to products listed in the Interior Painting Schedule for the paint category indicated.

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2.2 PAINT, GENERAL

- A. MPI Standards: Products shall comply with MPI standards indicated and shall be listed in its "MPI Approved Products Lists."
- B. Material Compatibility:
 - 1. Materials for use within each paint system shall be compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, products shall be recommended in writing by topcoat manufacturers for use in paint system and on substrate indicated.
- C. Colors: As selected by Architect from manufacturer's full range.

2.3 SOURCE QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:
 - 1. Owner will engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
 - 2. Testing agency will perform tests for compliance with product requirements.
 - 3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
- B. Verify suitability of substrates, including surface conditions and compatibility, with existing finishes and primers.
- C. Proceed with coating application only after unsatisfactory conditions have been corrected.
 - 1. Application of coating indicates acceptance of surfaces and conditions.

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3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Concrete Substrates: Remove release agents, curing compounds, efflorescence, and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces to be painted exceeds that permitted in manufacturer's written instructions.
- E. Masonry Substrates: Remove efflorescence and chalk. Do not paint surfaces if moisture content or alkalinity of surfaces or mortar joints exceeds that permitted in manufacturer's written instructions.
- F. Steel Substrates: Remove rust, loose mill scale, and shop primer, if any. Clean using methods recommended in writing by paint manufacturer but not less than the following:
 - 1. SSPC-SP 11.
- G. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and areas where shop paint is abraded. Paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and to recommendations in "MPI Manual."
 - 1. Use applicators and techniques suited for paint and substrate indicated.
 - 2. Paint surfaces behind movable equipment and furniture same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
 - 3. Paint front and backsides of access panels, removable or hinged covers, and similar hinged items to match exposed surfaces.
 - 4. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.

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5. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
- B. Tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Tint undercoats to match color of topcoat, but provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
 1. Contractor shall touch up and restore painted surfaces damaged by testing.
 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.
- E. Metal Substrates:
 1. Institutional Low-Odor/VOC Latex System MPI INT 5.3N:
 - a. Prime Coat: Primer, galvanized, water based, MPI #134.
 - b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.

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- c. Topcoat: Latex, interior, institutional low odor/VOC, flat (MPI Gloss Level 1), MPI #143.
- d. Topcoat: Latex, interior, institutional low odor/VOC (MPI Gloss Level 2), MPI #144.
- e. Topcoat: Latex, interior, institutional low odor/VOC (MPI Gloss Level 3), MPI #145.
- f. Topcoat: Latex, interior, institutional low odor/VOC (MPI Gloss Level 4), MPI #146.
- g. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss (MPI Gloss Level 5), MPI #147.
- h. Topcoat: Latex, interior, institutional low odor/VOC, gloss (MPI Gloss Level 6), MPI #148.
- i. Prime Coat: Primer, galvanized, water based, MPI #134.
- j. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.
- k. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 2), MPI #138.
- l. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 3), MPI #139.
- m. Topcoat: Latex, interior, high performance architectural (MPI Gloss Level 4), MPI #140.
- n. Topcoat: Latex, interior, high performance architectural, semi-gloss (MPI Gloss Level 5), MPI #141.

F. Wood Substrates: Wood paneling and casework.

- 1. Latex over Latex Primer System MPI INT 6.4R:
 - a. Intermediate Coat: Latex, interior, matching topcoat.
 - b. Topcoat: Latex, interior, flat (MPI Gloss Level 1), MPI #53.
 - c. Topcoat: Latex, interior (MPI Gloss Level 2), MPI #44.
 - d. Topcoat: Latex, interior (MPI Gloss Level 3), MPI #52.
 - e. Topcoat: Latex, interior (MPI Gloss Level 4), MPI #43.
 - f. Topcoat: Latex, interior, semi-gloss (MPI Gloss Level 5), MPI #54.

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- b. Intermediate Coat: Latex, interior, institutional low odor/VOC, matching topcoat.
- c. Topcoat: Latex, interior, institutional low odor/VOC, flat (MPI Gloss Level 1), MPI #143.
- d. Topcoat: Latex, interior, institutional low odor/VOC (MPI Gloss Level 2), MPI #144.
- e. Topcoat: Latex, interior, institutional low odor/VOC (MPI Gloss Level 3), MPI #145.
- f. Topcoat: Latex, interior, institutional low odor/VOC (MPI Gloss Level 4), MPI #146.
- g. Topcoat: Latex, interior, institutional low odor/VOC, semi-gloss (MPI Gloss Level 5), MPI #147.
- h. Topcoat: Latex, interior, institutional low odor/VOC, gloss (MPI Gloss Level 6)

3.6 PAINT COLOR SCHEDULE

- 1. PNT-1 – (Interior Walls) SW 7566 “Westhighland White”
- 2. PNT-2 – (Door Frames) SW 7634 “Pediment”
- 3. PNT-3 – (Accent Wall, Concessions) SW 6333 “Foxy”
- 4. PNT-4 – Match existing white paint in lobby.
- 5. PNT-5 – Interior walls for Vestibule 1 [107] and Vestibule 2 [108] SW6258 “Tricorn Black” (added with Addendum #1)

END OF SECTION 099123

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SECTION 101423.13 – SIGNAGE (ENTIRE SECTION ADDED FOR ADDENDUM #1)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes room-identification signs that are directly attached to the building and ADA accessibility signs for floors and seating, floor mounted ADA accessible seating signs and chair mounted ADA accessible seating signs.

1.3 DEFINITIONS

- A. Accessible: In accordance with the accessibility standard.

1.4 COORDINATION

- A. Furnish templates for placement of sign-anchorage devices embedded in permanent construction by other installers.
- B. Furnish templates for placement of electrical service embedded in permanent construction by other installers.

1.5 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Shop Drawings: For room-identification signs.
 - 1. Include fabrication and installation details and attachments to other work.
 - 2. Show sign mounting heights, locations of supplementary supports to be provided by other installers, and accessories.
 - 3. Show message list, typestyles, graphic elements[, including raised characters and Braille], and layout for each sign at least [half size] <Insert scale>.
- C. Product Schedule: For room-identification signs. Use same designations indicated on Drawings or specified.

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1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For signs to include in maintenance manuals.

1.7 FIELD CONDITIONS

- A. Field Measurements: Verify locations of anchorage devices embedded in permanent construction by other installers by field measurements before fabrication, and indicate measurements on Shop Drawings.

1.8 WARRANTY

- A. Special Warranty: Manufacturer agrees to repair or replace components of signs that fail in materials or workmanship within specified warranty period.
1. Failures include, but are not limited to, the following:
 - a. Deterioration of finishes beyond normal weathering.
 - b. Deterioration of embedded graphic image.
 - c. Separation or delamination of sheet materials and components.
 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Accessibility Standard: Comply with applicable provisions in the USDOJ's "2010 ADA Standards for Accessible Design" and ICC A117.1].

2.2 ROOM-IDENTIFICATION SIGNS

- A. Room-Identification Sign: Sign systems with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
1. Laminated-Sheet Sign: Photopolymer face sheet with raised graphics laminated to phenolic]backing sheet to produce composite sheet.
 - a. Composite-Sheet Thickness: 0.125 inch (3.18 mm)
 - b. Color(s): As selected by Architect from manufacturer's full range
 2. Sign-Panel Perimeter: Finish edges smooth.
 - a. Edge Condition: Beveled.
 - b. Corner Condition in Elevation: Square
 3. Frame: Entire perimeter

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- a. Material: Aluminum.
 - b. Frame Depth: Convex-curved frame to receive removable face sheet and changeable subsurface graphics
 - c. Profile: Square
 - d. Corner Condition in Elevation: Square Mitered
 - e. Finish and Color: As selected by Architect from manufacturer's full range
4. Mounting: Manufacturer's standard method for substrates indicated
 5. Text and Typeface: Accessible raised characters and Braille

2.3 SIGN MATERIALS

- A. Aluminum Sheet and Plate: ASTM B 209 (ASTM B 209M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- B. Aluminum Extrusions: ASTM B 221 (ASTM B 221M), alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- C. Acrylic Sheet: ASTM D 4802, category as standard with manufacturer for each sign, Type UVF (UV filtering).
- D. Vinyl Film: UV-resistant vinyl film with pressure-sensitive, permanent adhesive; die cut to form characters or images as indicated on Drawings[and suitable for exterior applications].
- E. Paints and Coatings for Sheet Materials: Inks, dyes, and paints that are recommended by manufacturer for optimum adherence to surface and are UV and water resistant for colors and exposure indicated.

2.4 ACCESSORIES

- A. Fasteners and Anchors: Manufacturer's standard as required for secure anchorage of signs, noncorrosive and compatible with each material joined, and complying with the following:
 1. Use concealed fasteners and anchors unless indicated to be exposed.
 2. Sign Mounting Fasteners:
 - a. Concealed Studs: Concealed (blind), threaded studs welded or brazed to back of sign material or screwed into back of sign assembly unless otherwise indicated.
 - b. Through Fasteners: Exposed metal fasteners matching sign finish, with type of head indicated, and installed in predrilled holes.

2.5 FABRICATION

- A. General: Provide manufacturer's standard sign assemblies according to requirements indicated.
 1. Preassemble signs and assemblies in the shop to greatest extent possible. Disassemble signs and assemblies only as necessary for shipping and handling limitations. Clearly

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mark units for reassembly and installation; apply markings in locations concealed from view after final assembly.

2. Mill joints to a tight, hairline fit. Form assemblies and joints exposed to weather to resist water penetration and retention.
3. Conceal connections if possible; otherwise, locate connections where they are inconspicuous.
4. Provide rabbets, lugs, and tabs necessary to assemble components and to attach to existing work. Drill and tap for required fasteners. Use concealed fasteners where possible; use exposed fasteners that match sign finish.

- B. Subsurface-Applied Graphics: Apply graphics to back face of clear face-sheet material to produce precisely formed image. Image shall be free of rough edges.
- C. Subsurface-Etched Graphics: Reverse etch back face of clear face-sheet material. Fill resulting copy with manufacturer's standard enamel. Apply opaque manufacturer's standard background color coating over enamel-filled copy.

2.6 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

2.7 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, Class I, 0.018 mm or thicker.
- A. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils (0.04 mm). Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish.

2.8 FLOOR MOUNTED ADA ACCESSIBLE SEATING SIGNS

- A. As manufactured by Global Industries National Marker, Series WFS26.
- B. Provide 1/8 inch thick aluminum plate of same diameter as sign and secured a floor with flush security screws (6 minimum). Secure sign to aluminum plate.

2.9 SEAT MOUNTED ADA ACCESSIBLE SEATING SIGNS

- A. As manufactured by Lynch Signs, Model # R94.
- B. Size: 2" X 2".s

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PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
 2. Install signs so they do not protrude or obstruct according to the accessibility standard.
 3. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
- B. Accessibility: Install signs in locations on walls as indicated on Drawings and according to the accessibility standard.
- C. Mounting Methods:
1. Concealed Studs: Using a template, drill holes in substrate aligning with studs on back of sign. Remove loose debris from hole and substrate surface.
 - a. Masonry Substrates: Fill holes with adhesive. Leave recess space in hole for displaced adhesive. Place sign in position and push until flush to surface, embedding studs in holes. Temporarily support sign in position until adhesive fully sets.
 - b. Thin or Hollow Surfaces: Place sign in position and flush to surface, install washers and nuts on studs projecting through opposite side of surface, and tighten.
 2. Through Fasteners: Drill holes in substrate using predrilled holes in sign as template. Countersink holes in sign if required. Place sign in position and flush to surface. Install through fasteners and tighten.
 3. Adhesive: Clean bond-breaking materials from substrate surface and remove loose debris. Apply linear beads or spots of adhesive symmetrically to back of sign and of suitable quantity to support weight of sign after cure without slippage. Keep adhesive away from edges to prevent adhesive extrusion as sign is applied and to prevent visibility of cured adhesive at sign edges. Place sign in position, and push to engage adhesive. Temporarily support sign in position until adhesive fully sets.
 4. Two-Face Tape: Clean bond-breaking materials from substrate surface and remove loose debris. Apply tape strips symmetrically to back of sign and of suitable quantity to support weight of sign without slippage. Keep strips away from edges to prevent visibility at sign edges. Place sign in position, and push to engage tape adhesive.
 5. Hook-and-Loop Tape: Clean bond-breaking materials from substrate surface and remove loose debris. Apply sign component of two-part tape strips symmetrically to back of sign and of suitable quantity to support weight of sign without slippage; push to engage tape adhesive. Keep tape strips [0.250 inch (6.35 mm)] <Insert dimension> away from edges to prevent visibility at sign edges when sign is initially installed or reinstalled. Apply substrate component of tape to substrate in locations aligning with tape on back of sign; push and rub well to fully engage tape adhesive to substrate.
 6. Magnetic Tape: Clean bond-breaking materials from substrate surface and remove loose debris. Apply tape strips symmetrically to back of sign and of suitable quantity to support

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weight of sign without slippage. Keep strips away from edges to prevent visibility at sign edges. Place sign in position.

3.2 ADJUSTING AND CLEANING

- A. Remove and replace damaged or deformed signs and signs that do not comply with specified requirements. Replace signs with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. Remove temporary protective coverings and strippable films as signs are installed.
- C. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

END OF SECTION 101423.13