October 1, 2024 1753.008.001

BARTON & LOGUIDICE

ADDENDUM NO. 2
TO CONTRACT DOCUMENTS
AND SPECIFICATIONS FOR
CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
CONTRACT NO. 1A – GENERAL CONSTRUCTION
CONTRACT NO. 1B – MECHANICAL CONSTRUCTION
CONTRACT NO. 1C – PLUMBING & FIRE PROTECTION CONSTRUCTION
CONTRACT NO. 1D – ELECTRICAL CONSTRUCTION

TO ALL HOLDERS OF CONTRACT DOCUMENTS:

This Addendum is part of the Contract Documents in accordance with Section 00 01 00 INFORMATION FOR BIDDERS, Article 00 01 00.08 – "Addenda and Interpretations" of the Contract Documents and Specifications.

1. Reference: TABLE OF CONTENTS

   a. Page 6, under DIVISION 06 – WOOD, PLASTIC AND COMPOSITES, ADD the following:

      "06 42 16 FLUSH WOOD PANELING"

   b. Page 6, under DIVISION 07 – THERMAL AND MOSITURE PROTECTION, ADD the following:

      "07 21 00 THERMAL INSULATION"

   c. Page 6, under DIVISION 08, DELETE the following:

      "08 33 23 OVERHEAD COILING DOORS"

      and SUBSTITUTE THEREFOR the following:

      "08 33 26 OVERHEAD COILING GRILLES"

2. Reference: SECTION 01 21 00 – ALLOWANCES

   a. Page 3, under Article 3.3, SCHEDULE OF ALLOWANCES, DELETE the following:

      "C. Allowance No. 1C – Electrical Construction Contingency Allowance: Include a contingency allowance of $15,000.00 for use according to Owner's written instructions.

      D. Allowance No. 1D – Plumbing Construction Contingency Allowance: Include a contingency allowance of $30,000.00 for use according to Owner's written instructions."

      and SUBSTITUTE THEREFOR the following:

      "C. Allowance No. 1C – Plumbing Construction Contingency Allowance: Include a contingency allowance of $15,000.00 for use according to Owner's written instructions.

D. Allowance No. 1D – Electrical Construction Contingency Allowance: Include a contingency allowance of $30,000.00 for use according to Owner's written instructions."

3. Reference: SECTION 00 01 60 – ADDITIONAL INSTRUCTIONS

a. Page 4, fourth paragraph, DELETE the following:

"Contract No. 1B – Mechanical Construction:

Additive Bid Item No. 1 – Roof Replacement: Remove and Replace the main roof level, elevator penthouse, and lower entry roofs, and furnish and install new roof curbs on rooftop mechanical equipment as shown and detailed on Contract Documents."

4. Reference: SECTION 00 03 70 – BID PRICES

a. Pages 00 03 70-1R through 00 03 70-10R, DELETE in its entirety and SUBSTITUTE THEREFOR the Revised Pages 00 03 70-1R.2 – 00 03 71-10R.2, as attached to this Addendum No. 2.

5. Reference: SECTION 06 42 16 – FLUSH WOOD PANELING

ADD this Section in its entirety, as attached to this Addendum No. 2.

6. Reference: SECTION 07 21 00 – THERMAL INSULATION

Add this Section in its entirety, as attached to this Addendum No. 2.

7. Reference: SECTION 08 33 26 – OVERHEAD COILING GRILLES

ADD this Section in its entirety, as attached to this Addendum No. 2.

8. Reference: SECTION 09 51 23 – ACOUSTICAL TILE CEILINGS

a. Page 3, Article 2.01 MATERIALS, DELETE the following:

"1. Composition Lay-In Panels; ATC-1:
   a. Type: Type III (Non-asbestos mineral composition with factory-applied standard washable painted finish. Color white.
   b. Form: 1, 2, or 3.
   c. Class: A, flame spread 25 or less.
   d. Pattern: CE, fine, small holes, perforated.
   e. Noise Reduction Coefficient (NRC) Grade: Minimum 0.35 when tested on Mounting Type E-400 of ASTM E795.
   f. Light Reflectance (LR) Coefficient: LR-1, 0.81 or greater.
   g. Nominal Size: 24 by 24 inches.
   h. Edge Detail: Square.
2. Composition Tile; ATC-2:
   a. Type: Type III (Non-asbestos mineral composition with factory-applied standard washable painted finish. Color white.
   b. Form: 1, 2, or 3.
   c. Class: A, flame spread 25 or less.
   d. Pattern: CE, fine, small holes, perforated.

e. Noise Reduction Coefficient (NRC) Grade: Minimum 0.55 when tested on Mounting Type E-400 of ASTM E795.
f. Light Reflectance (LR) Coefficient: LR-1, 0.81 or greater.
g. Nominal Size: 24 by 24 inches.
h. Edge Detail: Square."

and SUBSTITUTE THEREFOR the following:

"1. Acoustical Panel Ceilings; ATC-1:
a. Surface Texture: Smooth Texture
b. Composition: Fiberglass
c. Color: White
d. Size: 24" x 24"
e. Edge Profile: Square Lay-In
f. Noise Reduction Coefficient (NRC) ASTM C 423 Classified w/ UL label on product carton: 0.90
g. Ceiling Attenuation Class (CAC): ASTM C 1414; Classified with UL label on product carton: 26.
h. Articulation Class (AC): ASTM E1111; Classified with UL label on product carton: 190.
i. Flame Spread: ASTM E1264; Class A.
j. Light Reflectance (LR) White Panel: ASTM E 1477; 0.88.
k. Basis of Design: Optima Lay-in, item number 3352, as manufacturered by Armstrong World Industries, or an approved equal.
2. Acoustical Panel Ceilings; ATC-2:
a. Surface Texture: Smooth Texture
b. Composition: Fiberglass
c. Color: White
d. Size: 24" x 24"
e. Edge Profile: Square Lay-In
f. Noise Reduction Coefficient (NRC) ASTM C 423 Classified w/ UL label on product carton: 1.00
g. Ceiling Attenuation Class (CAC): ASTM C 1414; Classified with UL label on product carton: N/A.
h. Articulation Class (AC): ASTM E1111; Classified with UL label on product carton: 190.
i. Flame Spread: ASTM E1264; Class A.
j. Light Reflectance (LR) White Panel: ASTM E 1477; 0.88.
k. Basis of Design: Optima Lay-in, item number 3159, as manufacturered by Armstrong World Industries, or an approved equal."

9. Reference: <u>SECTION 09 54 23 – LINEAR METAL CEILINGS</u>

a. Page 5, ADD the following:

"C. Exterior Ceiling Panel Type: EXTERIOR LINEAR METAL
1. Surface Texture: Smooth
2. Composition: Electrogalvanized Steel – Linear Planks 0.028" thick steel, 1-1/4" plank flange.
3. Perforation Options: M1 (Unperforated)
4. Color: Gun Metal Gray Powder Coat (Exterior) – MY2, as selected from manufactures full range of standard painted finish color options.
5. Size: 6 inch widths, up to 8 foot lengths, 5/8" thickness.

6. Basis of Design: Metalworks Linear – Classics Planks – Exterior
7. Utilize Exterior Suspension Systems and Accessories for Linear Metal Ceilings in non-exposed wind uplift and appropriate seismic applications."

10. Reference: SECTION 10 14 00 – SIGNAGE

a. Page 8, ADD the Interior Signage Schedule, as attached to this Addendum No. 2.

11. Reference: SECTION 10 28 13 – TOILET ACCESSORIES

a. Page 3, ADD the following:

"F. FIXED-HEIGHT BABY CHANGING STATION: Basis of Design - Bradley Model No. 962-11, or an approved equal.
1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
a. AJW Architectural Products.
b. Bobrick Washroom Equipment, Inc.
c. Brey-Krause Manufacturing Co.
d. Gamco Commercial Restroom Accessories; Bobrick Washroom Equipment, Inc.
e. Tubular Specialties Manufacturing, Inc.
2. Description: Horizontal unit that opens by folding down from stored position and with adjustable strap.
a. Engineered to support minimum of 250 lb. static load when opened.
b. Mounting: Semi-recessed, with unit projecting no more than 1 inch from wall when closed.
c. Operation: By pneumatic shock-absorbing mechanism.
d. Materials and Finish: Stainless Steel, ASTM A480/A480M No. 4 finish (satin), with replaceable insulated polystyrene tray liner and rounded plastic corners, complies with ASTM F2285.
e. Liner Dispenser: Provide built-in dispenser for disposable sanitary liners."

12. Reference: SECTION 10 44 00 – FIRE EXTINGUISHERS

Page 2, Article 2.01, Subarticle B, Item 4, DELETE the following:

"ten (10)"

SUBSTITUTE THEREFOR the following:

"six (6)."

13. Reference: SECTION 10 44 13 – FIRE EXTINGUISHER CABINETS

a. Page 2, Subarticle A:

DELETE the following:

"1. Larsen's Model 2712 Architectural Series, or approved equal."

SUBSTITUTE THERFOR the following:

"1. Larsen's Model 24096R Architectural Series, or approved equal.
2. Basement – 1 surface mounted cabinet (non-rated)
3. First Floor – 3 semi-recessed cabinets (non-rated)
4. Second Floor – 1 surface mounted cabinet (non rated), 1 semi-recessed cabinet (1 hour rated)"

b. Page 2, Subarticle J,

DELETE the following:

"1. Acrylic Bubble Color: Clear, transparent."

14. Reference: CONTRACT DRAWINGS – SHEET A001 – LEGENDS, NOTES & TYPICAL DETAILS

a. ADD the work as shown on Drawing A-SK04 – TYPICAL ROOM & DIRECTIONAL SIGNAGE DETAIL, as attached to this Addendum No. 2.

b. ADD the work as shown on Drawing A-SK04 – JURY ROOM SHELF AND COAT RACK ELEVATION, attached to this Addendum No. 2.

15. Reference: CONTRACT DRAWINGS – SHEET A201 – FIRST FLOOR NEW WORK PLAN & SHEET A202 – SECOND FLOOR NEW WORK PLAN

ADD the work as shown on Drawings A-SK01 and A-SK02, as attached to this Addendum No. 2.

16. Reference: CONTRACT DRAWINGS – SHEET A206 – BUILDING SOUTH AND WEST ELEVATIONS

a. DELETE "SHEET A206 – BUILDING SOUTH AND WEST ELEVATIONS" in its entirety and SUBSTITUTE THEREFOR "SHEET A206R – BUILDING SOUTH AND WEST ELEVATIONS", as attached to Addendum No. 2.

17. Reference: CONTRACT DRAWINGS – SHEET A203 – ROOF PLAN (ADDITIVE BID ITEM NO. 1)

a. ADD the following notes:

"GENERAL CONTRACTOR WORK SCOPE COORDINATE NOTES:

1. GENERAL CONTRACTOR (CONTRACT NO. 1A) IS RESPONSIBLE TO COORDINATE ANY ROOF PENETRATION WORK IN THE CONTRACT WITH THE OTHER PRIMES AND GENERNAL CONTRACTOR IS RESPONSIBLE TO MAKE ANY PENETRATIONS WATERTIGHT.

2. GENERAL CONTRACTOR (CONTRACT NO. 1A) SHALL MAKE ANY NECESSARY BUILDING PENTRATIONS SO ELECTRICAL CONTRACTOR (CONTRACT NO. 1D) CAN ROUTE CABLE AND CONDUIT FROM THE EXTERIOR TO INTERIOR OF BUILDING FOR NEW MECHANICAL UNITS. WHEN INSTALLATION IS COMPLETE GENERAL CONTRACTOR (CONTRACT NO. 1A) IS RESPONSIBLE TO MAKE PENETRATIONS WEATHERTIGH IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND TO COORDINATE WITH ELECTRICAL CONTRACTOR (CONTRACT NO. 1D).

3. GENERAL CONTRACTOR (CONTRACT NO. 1A) TO PROVIDE AND COORDINATE ROOF PENETRATION NEAR PENTRATION FOR POWER CIRCUIT SO ELECTRICAL CONTRACT (CONTRACT NO. 1A) CAN INSTALL 3/4" CONDIUT AND STUB AND CAP CONDUIT 10" BELOW AND 10" ABOVE ROOF FOR USE BY MECHANICAL CONTRACTOR (CONTRACT NO. 1B) FOR CONTROL CABLE. GENERAL CONTRACTOR TO COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL CONTRACTORS (CONTRACTS NOS. 1B & 1D). ALL PENETRATIONS THROUGH ROOF TO BE MADE AS REQUIRED BY ROOF TYPE AND MANUFACTURER. ALL PENETRATIONS TO BE SEALED WATERTIGHT. BY GENERAL CONTRACTOR (CONTRACT NO. 1A)."

b. LOCATE Note #2 on the building addition and ADD the work scope as shown on Drawing A-SK05 – ADDITION ROOF SCUPPER DETAIL, as attached to this Addendum No. 2.

18. Reference: CONTRACT DRAWINGS – SHEET A205 – ROOF DETAILS

ADD the work as shown on the Drawing A-SK05, as attached to this Addendum No. 2.

19. Reference: CONTRACT DRAWINGS – SHEET A406 – FIRST FLOOR ENLARGED BATHROOMS PLANS AND INTERIOR ELEVATIONS, BATHROOM KEY NOTES, NOTE NO. 4:

DELETE the following:

"JUMBO."

20. Reference: CONTRACT DRAWINGS – SHEET A409 – SECOND FLOOR COURTOOM INTERIOR ELEVATIONS

ADD, the work as shown on Drawing A-SK04 - SECURING BENCH L BRACKET DETAIL, as attached to this Addendum No. 2.

21. Reference: CONTRACT DRAWINGS – SHEET A411 – STAIR PLAN, SECTION & DETAILS

ADD, the work as shown on Drawing A-SK03, as attached to this Addendum No. 2.

22. Reference: CONTRACT DRAWINGS – SHEET A601 – ROOM FINISH AND WINDOW SCHEDULES AND NOTES REVISION

a. ROOM FINISH SCHEDULE, ROOM 104, FLOOR FINISH, DELETE "EXIST/C/PFT" and SUBSTITUTE THEREFOR "LVT/C."

23. Reference: CONTRACT DRAWINGS – SHEET A601 – ROOM FINISH LEGEND, CEILING FINISHES

DELETE the following:

"ACT-1 – PROVIDE 5/8" 2 X 2 ACOUSTICAL CEILING GRID SYSTEM AS AVAILABLE FROM ARMSTRONG, OR APPROVED EQUAL. SEE REFLECTED CEILING PLAN FOR LAYOUT.

ACT-2 – PROVIDE 7/8" HIGH-NRC (.85/35) (MIN. STC RATING OF 52) 2 X 2 ACOUSTICAL CEILING GRID SYSTEM AS AVAILABLE FROM ARMSTRONG, OR APPROVED EQUAL. SEE REFLECTED CEILING PLAN FOR LAYOUT."

and SUBSTITUTE THEREFOR the following:

"ACT-1 – PROVIDE PRELUDE XL 15/16" SQUARE LAY-IN 24" X 24" X 1" (NRC 0.90) OPTIMA ACOUSTICAL CEILING GRID SYSTEM AS AVAILABLE FROM ARMSTRONG, OR APPROVED EQUAL. SEE REFLECTED CEILING PLAN FOR LAYOUT.

ACT-2 – PROVIDE PRELUDE XL 15/16" SQUARE LAY-IN 24" X 24" x 1-1/2" (NRC 1.00) OPTIMA ACOUSTICAL CEILING GRID SYSTEM AS AVAILABLE FROM ARMSTRONG, OR APPROVED EQUAL. SEE REFLECTED CEILING PLAN FOR LAYOUT."

24. Reference: CONTRACT DRAWINGS – SHEET A602 – DOOR SCHEDULE AND NOTES

a. DOOR SCHEDULE, Doors 107R, 135R, 137R & 138R, Comments, DELETE the following in all four locations:

"INSTALL VISION PANEL."

25. Reference: CONTRACT DRAWINGS – SHEET E110 – FIRST FLOOR POWER & SYSTEMS PLAN INSTALL, ROOMS 104 HALL AND 105 SECURITY OFFICE

DELETE the note references "(21) ." and SUBSTITUTE THEREFOR the following " (16)."

26. Reference: CONTRACT DRAWINGS – SHEET E112 – ROOF POWER PLAN INSTALL, KEYED NOTES ROOF POWER PLAN INSTALL

DELETE the following Notes 3 and 4:

"3. CONTRACTOR SHALL MAKE ANY NECESSARY BUILDING PENTRATIONS TO ROUTE CABLE AND CONDUIT FROM THE EXTERIOR TO INTERIOR OF BUILDING. WHEN INSTALLATION IS COMPLETE MAKE PENETRATIONS WEATHERTIGH IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.

4. CONTRACTOR TO PROVIDE 3/4" C WITH ROOF PENETRATION NEAR PENETRATION FOR POWER CIRCUIT. STUB AND CAP CONDUIT 10" BELOW AND 10" ABOVE ROOF FOR USE BY MECHANICAL CONTRACTOR FOR CONTROL CABLE. COORDINATE ALL WORK WITH MECHANICAL CONTRACT. ALL PENETRATIONS THROUGH ROOF TO BE MADE AS REQUIRED BY ROOF TYPE AND MANUFACTURER. ALL PENETRATIONS TO BE SEALED WATERTIGHT."

And SUBSTITUTE THEREFOR the following:

"3. GENERAL CONTRACTOR (CONTRACT NO. 1A) SHALL MAKE ANY NECESSARY BUILDING PENTRATIONS SO ELECTRICAL CONTRACTOR (CONTRACT NO. 1D) CAN ROUTE CABLE AND CONDUIT FROM THE EXTERIOR TO INTERIOR OF BUILDING. WHEN INSTALLATION IS COMPLETE

GENERAL CONTRACTOR (CONTRACT NO. 1A) IS RESPONSIBLE TO MAKE PENETRATIONS WEATHERTIGH IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS AND TO COORDINATE WITH ELECTRICAL CONTRACTOR (CONTRACT NO. 1D).

4. GENERAL CONTRACTOR (CONTRACT NO. 1A) TO PROVIDE AND COORDINATE ROOF PENETRATIONS NEAR NEW MECHANICAL EQUIPMENT FOR POWER CIRCUIT SO ELECTRICAL CONTRACTOR (CONTRACT NO. 1A) CAN INSTALL 3/4" CONDUIT AND STUB, CAP CONDUIT 10" BELOW AND 10" ABOVE ROOF FOR USE BY MECHANICAL CONTRACTOR (CONTRACT NO. 1B) FOR CONTROL CABLE. GENERAL CONTRACTOR TO COORDINATE ALL WORK WITH MECHANICAL AND ELECTRICAL CONTRACTORS (CONTRACT NOS. 1B & 1D). ALL PENETRATIONS THROUGH ROOF TO BE MADE AS REQUIRED BY ROOF TYPE AND MANUFACTURER. ALL PENETRATIONS TO BE SEALED WATERTIGHT. BY GENERAL CONTRACTOR (CONTRACT NO. 1A)."

BARTON & LOGUIDICE, D.P.C.

Timothy R. Bivens, A.I.A.
Vice President

/jms
Attachments

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
CONTRACT NO. 1A – GENERAL CONSTRUCTION
CONTRACT NO. 1B – MECHANICAL CONSTRUCTION
CONTRACT NO. 1C – PLUMBING & FIRE PROTECTION CONSTRUCTION
CONTRACT NO. 1D – ELECTRICAL CONSTRUCTION

EMAIL TRANSMISSION
PLEASE ACKNOWLEDGE BY RETURN EMAIL
Addendum No. 2

Acknowledged by Bidder:

Name of Bidder: _____

By Authorized Representative:

Signature: _____

Printed Name and Title: _____

Date: _____

RETURN WITH SIGNATURE ACKNOWLEDGEMENT TO:
jfelber@bartonandloguidice.com

SECTION 00 03 70

BID FOR CONSTRUCTION OF
CONTRACT NO. 1A – GENERAL CONSTRUCTION

TO THE CITY OF MIDDLETOWN:

Pursuant to and in compliance with your Advertisement for Bids and the Information for Bidders relating thereto, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment and other facilities and things necessary or proper for or incidental to the construction and completion of Contract No. 1A – General Construction, required by and in strict accordance with the applicable provisions of all Contract Documents for the following lump sum price:

Item

1. Lump Sum Contract No. 1A – General Construction

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Allowance Item

1. Provide Allowance (per Section 00 01 60.13 Allowances in Additional Instructions).

One Hundred and Seventy-Three Thousand Dollars	$173,000	.00
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Total Base Bid

(Base Bid plus Allowance)

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Contract No. 1A continued on next page

Additive Bid Item

1. Additive Bid Item No. 1 – Roof Replacement: Remove and Replace the main roof level, elevator penthouse, and lower entry roofs as shown and detailed on Contract Documents.

_____	_____	_____
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

2. Additive Bid Item No. 2 – Front Entrance Canopy: Furnish and install new front entrance canopy and associated site work on the south side of the building as shown and detailed on Contract Documents.

_____	_____	_____
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

3. Additive Bid Item No. 3 – Rear Canopy: Furnish and install new rear canopy on the west and north sides of the building as shown and detailed on Contract Documents.

_____	_____	_____
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Acknowledgement of Addenda

Addendum No.	Date Received
_____	_____
_____	_____
_____	_____

SECTION 00 03 70

BID FOR CONSTRUCTION OF
CONTRACT NO. 1B – MECHANICAL CONSTRUCTION

TO THE CITY OF MIDDLETOWN:

Pursuant to and in compliance with your Advertisement for Bids and the Information for Bidders relating thereto, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment, allowances and other facilities and things necessary or proper for or incidental to the construction and completion of Contract No. 1B – Mechanical Construction, required by and in strict accordance with the applicable provisions of all Contract Documents for the following lump sum price:

Item

1. Lump Sum Contract No. 1B – Mechanical Construction

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Allowance Item

1. Provide Allowance (per Section 00 01 60.13 Allowances in Additional Instructions).

Fifty Thousand Dollars	$50,000	.00
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Total Base Bid

(Base Bid plus Allowance)

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Contract No. 1B continued on next page

Acknowledgement of Addenda

Addendum No.	Date Received
_____	_____
_____	_____
_____	_____

SECTION 00 03 70

BID FOR CONSTRUCTION OF
CONTRACT NO. 1C – PLUMBING & FIRE PROTECTION CONSTRUCTION

TO THE CITY OF MIDDLETOWN:

Pursuant to and in compliance with your Advertisement for Bids and the Information for Bidders relating thereto, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment, allowances and other facilities and things necessary or proper for or incidental to the construction and completion of Contract No. 1C – Plumbing & Fire Protection Construction, required by and in strict accordance with the applicable provisions of all Contract Documents for the following lump sum price:

Item

1. Lump Sum Contract No. 1C – Plumbing & Fire Protection Construction

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Allowance Item

1. Provide Allowance (per Section 00 01 60.13 Allowances in Additional Instructions).

Fifteen Thousand Dollars	$15,000	.00
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Total Base Bid

(Base Bid plus Allowance)

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Contract No. 1C continued on next page

Acknowledgement of Addenda

Addendum No.	Date Received
_____	_____
_____	_____
_____	_____

SECTION 00 03 70

BID FOR CONSTRUCTION OF
CONTRACT NO. 1D – ELECTRICAL CONSTRUCTION

TO THE CITY OF MIDDLETOWN:

Pursuant to and in compliance with your Advertisement for Bids and the Information for Bidders relating thereto, the undersigned hereby offers to furnish all plant, labor, materials, supplies, equipment, allowances and other facilities and things necessary or proper for or incidental to the construction and completion of Contract No. 1D – Electrical Construction, required by and in strict accordance with the applicable provisions of all Contract Documents for the following lump sum price:

Item

1. Lump Sum Contract No. 1D – Electrical Construction

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Allowance Item

1. Provide Allowance (per Section 00 01 60.13 Allowances in Additional Instructions).

Thirty Thousand Dollars	$30,000	.00
	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Total Base Bid

(Base Bid plus Allowance)

	Dollars	Cents
(Price Written in Words)	(Price Written in Figures)	

Contract No. 1D continued on next page

Acknowledgement of Addenda

Addendum No.	Date Received
_____	_____
_____	_____
_____	_____

SECTION 00 03 70

BID

The signer of this Proposal as Bidder declares that the only person, persons, company or parties interested in the proposal are named in this Proposal; that the Bid is made without any connection with any person making another Bid for the same Contract; that the Bid is in all respects fair and without collusion or fraud; that no officer, agent or employee of the Owner is directly or indirectly interested in the Bid; and that he has carefully examined the annexed form of Contract and Contract Documents.

In accordance with Section 139-d of the State Finance Law, Section 103-d of the General Municipal Law, or Section 2878 of the Public Authorities Law, the Bidder further certifies that: (a) the Bid has been arrived at by the Bidder independently and has been submitted without collusion with any other vendor of materials, supplies or equipment of the type described in the invitation for Bids; and (b) the contents of the Bid have not been communicated by the Bidder nor, to its best knowledge and belief, by any of its employees or agents, to any person not an employee or agent of the Bidder or its surety on any bond furnished herewith prior to the official opening of the Bid. Section 620 of the Penal Law makes violation of this statute a crime punishable as perjury.

If written notice of the acceptance of this Bid is mailed or delivered to the undersigned within forty-five (45) days after the date of opening of the Bids, or any time thereafter before this Bid is withdrawn, the undersigned will, within five (5) days after the date of such mailing, or delivering of such notice, execute and deliver a contract in the form of Contract attached hereto.

The undersigned hereby designates as his office to which such notice of acceptance may be mailed, or delivered:

Company Name: _____

Contact Name: _____

Address: _____

City, State, Zip: _____

Telephone/Fax: _____

Email: _____

FEIN:
(Federal Employee
Identification Number) _____

The undersigned further agrees to comply with the requirements as to conditions of employment, wage rates and hours of labor set forth in the Contract Documents.

SECTION 00 03 70

BID

This bid may be withdrawn at any time prior to the scheduled time for the opening of bids or any authorized postponement thereof.

Accompanying this Bid, is a Bid security in the form of a certified check*, cash*, or a bid bond* for the sum of _____ ($_____) Dollars. In case this Bid is accepted by the Owner, and the undersigned shall fail to execute a contract with and give the required bonds to the Owner within five (5) days after the date of a written notice by the Owner to the undersigned so to do, this Bid security shall be forfeited and will be retained by the Owner as liquidated damages.

Dated _____, 20____ **_____
_____
_____

_____
Signature of Bidder

Print Name of Signer of Bid _____
Address _____
_____
_____

* Cross out designations not applicable.

** Insert bidder's name; if a corporation, give the state of incorporation using the phrase "a corporation organized under the law of"; if a partnership, give the name of the partners, using also the phrase "co-partners trading and doing business under the firm name and style of"; if an individual using a trade name, give individual name, using also the phrase "an individual doing business under the firm name and style of".

END OF SECTION

SECTION 06 42 16

FLUSH WOOD PANELING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Flush wood paneling (wood-veneer wall surfacing).
2. Installation materials.

B. Related Requirements:

1. Section 06 10 00 "Rough Carpentry" for wood furring, blocking, shims, and hanging strips required for installing paneling that is concealed within other construction before paneling installation.

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 paneling can be installed as indicated.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include data for fire-retardant treatment from chemical-treatment manufacturer and certification by treating plant that treated materials comply with requirements.

B. Shop Drawings: For flush wood paneling.

1. Include plans, elevations, sections, and attachment details.
2. Show details full size.
3. Show locations and sizes of furring and blocking, including concealed blocking specified in other Sections.
4. For paneling produced from premanufactured sets, show finished panel sizes, set numbers, sequence numbers within sets, and method of cutting panels to produce indicated sizes.
5. For paneling veneered in fabrication shop, show veneer leaves with dimensions, grain direction, exposed face, and identification numbers indicating the flitch and sequence within the flitch for each leaf.
6. Apply AWI Quality Certification Program label to Shop Drawings.

C. Samples for Initial Selection: For each type of exposed finish.

1.4 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer fabricator.

B. Product Certificates: For each type of product.

C. Quality Standard Compliance Certificates: AWI Quality Certification Program.

1.5 QUALITY ASSURANCE

A. Fabricator Qualifications: Shop that 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.

B. Shop Certification: AWI's Quality Certification Program accredited participant.

C. Installer Qualifications: Fabricator of products AWI's Quality Certification Program accredited participant.

1.6 MOCKUPS

A. 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 typical paneling as shown on Drawings.
2. 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. Do not deliver paneling until painting and similar operations that might damage paneling have been completed in installation areas. Store paneling in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.8 FIELD CONDITIONS

A. Environmental Limitations without Humidity Control: Do not deliver or install paneling until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.

B. Environmental Limitations with Humidity Control: Do not deliver or install paneling until building is enclosed, wet-work is complete, and HVAC system is operating and will maintain temperature between 60 and 90 deg F and relative humidity between 25 and 55 percent during the remainder of the construction period.

C. Field Measurements: Where paneling is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1. Locate concealed framing, blocking, and reinforcements that support paneling by field measurements before being enclosed/concealed by construction and indicate measurements on Shop Drawings.

D. Established Dimensions: Where paneling is indicated to fit to other construction, establish dimensions for areas where woodwork is to fit. Provide allowance for trimming at site, and coordinate construction to ensure that actual dimensions correspond to established dimensions.

PART 2 - PRODUCTS

2.1 SOURCE LIMITATIONS

A. Source Limitations: Engage a qualified woodworking firm to assume undivided responsibility for production of paneling and wood-veneer-faced architectural cabinets, ornamental woodwork AND wood trim.

2.2 PANELING FABRICATORS

A. Fabricators: Subject to compliance with requirements, available fabricators offering products that may be incorporated into the Work.

2.3 PANELING, GENERAL

A. Quality Standard: Unless otherwise indicated, comply with the "Architectural Woodwork Standards" for grades of flush wood paneling (wood-veneer wall surfacing) indicated for construction, finishes, installation, and other requirements.

1. Provide inspections of fabrication and installation together with labels and certificates from AWI certification program indicating that woodwork complies with requirements of grades specified.
2. The Contract Documents contain requirements that are more stringent than the referenced woodwork quality standard. Comply with requirements of Contract Documents in addition to those of the referenced quality standard.

2.4 FLUSH WOOD PANELING (WOOD-VENEER WALL SURFACING)

A. Grade: Economy.

B. Wood Species and Cut: White oak, rift sliced.

C. Veneer Matching Method:

1. Within Panel Face: Center-balance match.

D. Panel Core Construction: Particleboard or MDF

1. Thickness: As indicated on Drawings.

E. Exposed Panel Edges: Inset solid-wood or wood-veneer matching faces

F. Panel Reveals: Matte black plastic laminate.

G. Assemble panels by gluing and concealed fastening.

2.5 MATERIALS

A. Materials, General: Provide materials that comply with requirements of referenced quality standard for each quality grade specified unless otherwise indicated.

B. Wood Moisture Content: 4 to 9 percent.

C. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each quality grade specified unless otherwise indicated.

1. Particleboard (Medium Density): ANSI A208.1, Grade M-2.

2.6 INSTALLATION MATERIALS

A. Furring, Blocking, Shims, and Hanging Strips: Fire-retardant-treated softwood lumber, kiln-dried to less than 15 percent moisture content.

B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls.

C. Installation Adhesive: Product recommended by panel fabricator for each substrate for secure anchorage.

2.7 FABRICATION

A. Sand fire-retardant-treated wood lightly to remove raised grain on exposed surfaces before fabrication.

B. Arrange paneling in shop or other suitable space in proposed sequence for examination by Architect. Mark units with temporary sequence numbers to indicate position in proposed layout.

1. Lay out one elevation at a time if approved by Architect.
2. Notify Architect seven days in advance of the date and time when layout will be available for viewing.

3. Provide lighting of similar type and level as that of final installation for viewing layout unless otherwise approved by Architect.
4. Rearrange paneling as directed by Architect until layout is approved.
5. Do not trim end units and other nonmodular-size units to less than modular size until after Architect's approval of layout. Indicate trimming by masking edges of units with nonmarking material.
6. Obtain Architect's approval of layout before start of assembly. Mark units and Shop Drawings with assembly sequence numbers based on approved layout.

C. Complete fabrication, including assembly, to maximum extent possible, before shipment to Project site. Disassemble components only as necessary for shipment and installation. Where necessary for fitting at site, provide ample allowance for scribing, trimming, and fitting.

1. Notify Architect seven days in advance of the dates and times paneling fabrication will be complete.

D. Shop cut openings, to maximum extent possible, to receive hardware, appliances, plumbing fixtures, electrical work, and similar items. Locate openings accurately and use templates or roughing-in diagrams to produce accurately sized and shaped openings. Sand edges of cutouts to remove splinters and burrs.

2.8 SHOP FINISHING

A. General: Finish paneling at fabrication shop as specified in this Section. Defer only final touchup, cleaning, and polishing until after installation.

B. Shop Priming: Shop apply the prime coat including backpriming, if any, for transparent-finished paneling specified to be field finished.

C. Preparation for Finishing: Comply with referenced quality standard for sanding, filling countersunk fasteners, sealing concealed surfaces, and similar preparations for finishing paneling, as applicable to each unit of work.

1. Backpriming: Apply two coats of sealer or primer, compatible with finish coats, to concealed surfaces of paneling.

D. Transparent Finish:

1. Grade: Economy.
2. Finish: System - 12, water-based polyurethane.
3. Wash Coat for Closed-Grain Woods: Apply wash-coat sealer to woodwork made from closed-grain wood before staining and finishing.
4. Staining: Match approved sample for color.
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: Semigloss, 46-60 gloss units measured on 60-degree gloss meter per ASTM D523.

PART 3 - EXECUTION

3.1 PREPARATION

A. Before installation, condition paneling to humidity conditions in installation areas.

B. Before installing paneling, examine shop-fabricated work for completion and complete work as required, including removal of packing and backpriming.

3.2 INSTALLATION

A. Grade: Install paneling to comply with quality standard grade of paneling to be installed.

B. Install paneling level, plumb, true in line, and without distortion. Shim as required with concealed shims. Install level and plumb to a tolerance of 1/8 inch in 96 inches. Install with no more than 1/16 inch in 96-inch vertical cup or bow and 1/8 inch in 96-inch horizontal variation from a true plane.

1. For flush paneling with revealed joints, install with variations in reveal width, alignment of top and bottom edges, and flushness between adjacent panels not exceeding 1/16 inch.

C. Anchor paneling to supporting substrate with concealed panel-hanger clips.

1. Do not use face fastening unless covered by trim.

D. Complete finishing work specified in this Section to extent not completed at shop or before installation of paneling. Fill nail holes with matching filler where exposed.

1. Apply specified finish coats, including stains and paste fillers if any, to exposed surfaces where only sealer/prime coats are shop applied.

3.3 ADJUSTING AND CLEANING

A. Repair damaged and defective paneling, where possible, to eliminate defects. Where not possible to repair, replace paneling. Adjust for uniform appearance.

B. Clean paneling on exposed surfaces. Touch up shop-applied finishes to restore damaged or soiled areas.

END OF SECTION

07 21 00

THERMAL INSULATION

PART 1 - GENERAL

1.01 REFERENCE STANDARDS

A. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2016.

B. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2016.

C. ASTM E2357 - Standard Test Method for Determining Air Leakage of Air Barrier Assemblies; 2011.

1.02 SUBMITTALS

A. Product Data: Provide data on product characteristics, performance criteria, and product limitations.

B. Warranty: Provide Manufacturer's Limited Thermal Warranty for polyisocyanurate insulation.

C. NFPA 285 Compliance: Submit third party documentation showing wall assembly compliance with NFPA 285.

1.03 QUALITY ASSURANCE

A. Source Limitations: Obtain exterior building insulation through one source from a single manufacturer.

1.04 FIELD CONDITIONS

A. Application Temperatures: Comply with Manufacturer's recommendations for product applications.

PART 2 - PRODUCTS

2.01 APPLICATIONS

A. Insulation Inside Masonry Cavity Walls: Polyisocyanurate board.

2.02 FOAM BOARD INSULATION MATERIALS

A. Polyisocyanurate Board Insulation with Facers Both Sides: Rigid cellular foam, complying with ASTM C1289; Type I, aluminum foil both faces; Class 2, glass fiber-reinforced core.
   1. Basis of Design:
      a. DuPont de Nemours Inc.; DuPont™ Thermax™ XARMOR™ (ci) Exterior Insulation*: building.dupont.com/commercial or an approved equal.
   2. Flame Spread Index (FSI): Class A - 0 to 25 for both core AND finished product, when tested in accordance with ASTM E84.
   3. Smoke Developed Index (SDI): 450 or less for both core AND finished product, when tested in accordance with ASTM E84.
   4. Thermal Resistance (R-value): Minimum 6 per inch at 75 degrees F (24 degrees C) and minimum 6.6 per inch at 40 degrees F (5 degrees C) in accordance with ASTM C1289
   5. Front Facer: 4.0 mil gray acrylic coated embossed aluminum.
   6. Back Facer: 1.25 mil embossed aluminum.
   7. Board Size: 48 by 96 inch (1220 by 2440 mm)
   8. Board Thickness: 1-1/2 inch (38.1 mm).
   9. Board Edges: Shiplap on 1.5” and thicker boards.

2.03 ACCESSORIES

A. Penetration and Gap Filler
   1. Acceptable Products:
      a. DuPont de Nemours Inc.; DuPont™ Great Stuff Pro™ Gaps & Cracks Polyurethane Foam Sealant* for gaps ¼” to 3”.
      b. DuPont de Nemours Inc.; DuPont™ Great Stuff Pro™ Window & Door Polyurethane Foam Sealant* for gaps ¼” to 3”.
      c. DuPont de Nemours Inc.; DuPont™ Froth-Pak™ Foam Insulation* two component, quick-cure polyurethane foam for gaps 2” to 4”.

B. Exterior Insulation Joint Treatment (Optional)
   1. Acceptable Products:
      a. DuPont de Nemours Inc.; DuPont™ LiquidArmor™ CM Flashing and Sealant* (for gaps < ¼”).
      b. DuPont de Nemours Inc.; DuPont™ LiquidArmor™ LT Flashing and Sealant* (for gaps < ¼”).
      c. DuPont de Nemours Inc.; DuPont™ LiquidArmor™ QS Flashing and Sealant* (for gaps < ¼”).
   2. For joints >1/4”, use Gap Filler prior to sealing joint.

C. Roof/Wall Juncture Sealing
   1. Maintain continuity of air barrier by sealing the roof/wall juncture.
   2. Acceptable Products:
      a. DuPont de Nemours Inc.; DuPont™ Froth-Pak™ Foam Insulation (Class A).

D. Board Insulation Bonding Adhesive: Provide product as recommended by insulation manufacturer that will not damage insulation or substrates.

E. Self-Adhering Transition Flashing: Provide for through-wall flashing, roof-to-wall transitions, parapet transitions, above window kick-outs, wall to below-grade transitions, wall offsets, rough window openings, balcony transitions.
   1. Product: DuPont™ DuraGard™ CM Transition Flashing as manufactured by DuPont de Nemours Inc..

PART 3 – EXECUTION

3.01 EXAMINATION

A. Verify that substrate, adjacent materials, and insulation materials are dry and that substrates are ready to receive insulation.

3.02 BOARD INSTALLATION AT CAVITY WALLS

A. Apply adhesive to back of boards:
   1. Three continuous beads per board length.
B. Install boards to fit snugly between wall ties.
C. Install boards horizontally lengthwise on walls, staggering the joints.
D. Cut and fit insulation tightly to protrusions or interruptions to the insulation plane.
   1. Seal around penetrations using Penetration and Gap Filler material.
   2. Maintain continuity of air barrier by sealing the roof/wall juncture with Roof/Wall Juncture Sealing material.
E. If using insulation as air/water barrier: Seal board joints between insulation boards with Manufacturer's recommended sealant product, consistent with ASTM E2357 tested assembly.

3.05 PROTECTION

A. Do not permit installed insulation to be damaged prior to its concealment.

END OF SECTION

SECTION 08 33 26

OVERHEAD COILING GRILLES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Open-curtain overhead coiling grilles.

B. Related Requirements:

1. Section 05 50 00 "Metal Fabrications" for miscellaneous steel supports, angle-framing of grille opening, corner guards, and bollards.
2. Section 09 91 00 "Painting" for finish painting of factory-primed grilles.

1.2 ACTION SUBMITTALS

A. Product Data: For each type and size of overhead coiling grille and accessory.

1. Include construction details, material descriptions, dimensions of individual components, profiles for curtain components, and finishes.
2. Include rated capacities, operating characteristics, electrical characteristics, and furnished accessories.

B. Shop Drawings: For each installation and for special components not dimensioned or detailed in manufacturer's product data.

1. Include plans, elevations, sections, and mounting details.
2. Include details of equipment assemblies. Indicate dimensions, required clearances, method of field assembly, components, and location and size of each field connection.
3. Include points of attachment and their corresponding static and dynamic loads imposed on structure.
4. For exterior components, include details of provisions for assembly expansion and contraction.
5. Show locations of controls, locking devices, and other accessories.
6. Include diagrams for power, signal, and control wiring.

C. Samples for Initial Selection: Manufacturer's finish charts showing full range of colors and textures available for units with factory-applied finishes.

1. Include similar Samples of accessories involving color selection.

1.3 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer.

B. Sample Warranty: For special warranty.

1.4 CLOSEOUT SUBMITTALS

A. Maintenance Data: For overhead coiling grilles to include in maintenance manuals.

1.5 QUALITY ASSURANCE

A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer for both installation and maintenance of units required for this Project.

B. Accessibility Standard: Comply with applicable provisions in the ABA standards of the Federal agency having jurisdiction and ICC A117.1.

1.6 WARRANTY

A. Special Warranty: Manufacturer agrees to repair or replace components of grilles that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Two years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Source Limitations: Obtain overhead coiling grilles from single source from single manufacturer.

1. Obtain operators and controls from overhead coiling-grille manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Seismic Performance: Overhead coiling grilles withstand the effects of earthquake motions determined according to ASCE/SEI 7.

1. Component Importance Factor: 1.0.

2.3 OPEN-CURTAIN GRILLE ASSEMBLY – MODEL 671 with an Automatic release for power operated doors.

A. Open-Curtain Grille: Overhead coiling grille with a curtain having a network of horizontal rods that interconnect with vertical links.

1. Acceptable Manufacturer: Overhead Door Corporation, 2501 S. State Hwy. 121, Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 275-3290. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: www.overheaddoor.com. E-mail: info@overheaddoor.com.

2. An Approved Equal.

B. Operation Cycles: Grille components and operators capable of operating for not less than 100,000. One operation cycle is complete when a grille is opened from the closed position to the fully open position and returned to the closed position.

1. Include tamperproof cycle counter.

C. Grille Curtain Material: Galvanized steel.

1. Rod Spacing: Approximately 2 inches o.c.
2. Link Spacing: Approximately 6 inches apart in a brick (staggered) pattern.
3. Spacers: Metal tubes matching curtain material.
4. Horizontal 5/16 inch (7.8 mm) diameter rods.

D. Bottom Bar: Continuous doubled angles, fabricated from hot-dip galvanized steel or and finished to match grille.

E. Curtain Jamb Guides: Galvanized steel with exposed finish matching curtain slats. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise.

F. Hood: Galvanized steel.

1. Shape: Round.
2. Mounting: As indicated on Drawings.

G. Locking Devices: Equip grille with locking device assembly.

1. Locking Device Assembly: Single-jamb side Cremone-type, both jamb sides locking bars, operable from outside only, with cylinder.
2. Locking: Model 670 (or an approved equal) egress grille self-locking mechanism ro prevent forced opening of a grille that does not interfere with normal electrical operation but fail safe for emergency operation.

H. Electric Grille Operator:

1. Usage Classification: Heavy duty, 25 or more cycles per hour and more than 90 cycles per day.
2. Operator Location: As indicated on Drawings.

3. Safety: Listed according to UL 325 by a qualified testing agency for commercial or industrial use; moving parts of operator enclosed or guarded if exposed and mounted at 8 feet or lower.
4. Motor Exposure: Exterior, wet, and humid.
5. Motor Electrical Characteristics:
    a. Horsepower: 1 hp.
    b. Voltage, Three Phase, 60 Hz: 208-V ac.
6. Emergency Manual Operation: Crank type.
7. Obstruction-Detection Device: Automatic photoelectric sensor electric sensor edge on bottom bar.
    a. Sensor Edge Bulb Color: As selected by Architect from manufacturer's full range.
8. Control Station: Exterior mounted where indicated on drawings.
9. Other Equipment: Portable radio-control system.
10. Vehicle Detector Operation

I. Curtain Accessories: Equip grille with push/pull handles and pole hook.

J. Grille Finish:

1. Factory Prime Finish: Manufacturer's standard color.

2.4 MATERIALS, GENERAL

A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

2.5 GRILLE CURTAIN MATERIALS AND CONSTRUCTION

A. Open-Curtain Grilles: Fabricate metal grille curtain as an open network of horizontal rods, spaced at regular intervals, that are interconnected with vertical links, which are formed and spaced as indicated and are free to rotate on the rods..

1. Steel Grille Curtain: Hot-dip zinc coated (galvanized) complying with ASTM A123/A123M, or electrogalvanized complying with ASTM 653/A653M, and phosphatized before fabrication.

B. Bottom Bar: Manufacturer's standard continuous shape unless otherwise indicated, finished to match grille.

1. Astragal: Equip grille bottom bar with a replaceable, adjustable, continuous, compressible gasket of flexible vinyl, rubber, or neoprene as a cushion bumper.
2. Provide motor-operated grilles with combination bottom astragal and sensor edge.

C. Grille Curtain Jamb Guides: Manufacturer's standard shape having curtain groove with return lips or bars to retain curtain. Provide continuous integral wear strips to prevent metal-to-metal contact and to minimize operational noise; with removable stops on guides to prevent overtravel of curtain.

1. Removable Posts and Jamb Guides: Manufacturer's standard.

2.6 HOODS AND ACCESSORIES

A. General: Form sheet metal hood to entirely enclose coiled curtain and operating mechanism at opening head. Contour to fit end brackets to which hood is attached. Roll and reinforce top and bottom edges for stiffness. Form closed ends for surface-mounted hoods and fascia for any portion of between-jamb mounting that projects beyond wall face. Equip hood with intermediate support brackets as required to prevent sagging.

1. Galvanized Steel: Nominal 0.028-inch- thick, hot-dip galvanized-steel sheet with G90 zinc coating, complying with ASTM A653/A653M.

B. Removable Metal Soffit: Formed or extruded from same metal and with same finish as curtain if hood is mounted above ceiling unless otherwise indicated.

C. Mounting Frame: Manufacturer's standard mounting frame designed to support grille; factory fabricated from ASTM A36/A36M structural-steel tubes, hot-dip galvanized per ASTM A123/A123M; fastened to floor and structure above grille; to be built into wall construction; and complete with anchors, connections, and fasteners.

D. Push/Pull Handles: Equip push-up-operated or emergency-operated grille with lifting handles on exterior side of grille, finished to match grille.

E. Pole Hooks: Provide pole hooks and poles for grilles more than 84 inches high.

2.7 LOCKING DEVICES

A. Slide Bolt: Fabricate with side-locking bolts to engage through slots in tracks for locking by padlock, located on both left and right jamb sides, operable from coil side.

B. Locking Device Assembly: Fabricate with cylinder lock, spring-loaded dead bolt, operating handle, cam plate, and adjustable locking bars to engage through slots in tracks.

1. Lock Cylinders: As standard with manufacturer and keyed to building keying system.
2. Keys: Three for each cylinder.

C. Chain Lock Keeper: Suitable for padlock.

D. Safety Interlock Switch: Equip power-operated grilles with safety interlock switch to disengage power supply when grille is locked.

2.8 COUNTERBALANCE MECHANISM

A. General: Counterbalance grilles by means of manufacturer's standard mechanism with an adjustable-tension, steel helical torsion spring mounted around a steel shaft and contained in a spring barrel connected to top of curtain with barrel rings. Use grease-sealed bearings or self-lubricating graphite bearings for rotating members.

B. Counterbalance Barrel: Fabricate spring barrel of manufacturer's standard hot-formed, structural-quality, welded carbon-steel pipe, of sufficient diameter and wall thickness to support rolled-up curtain without distortion of parts and to limit barrel deflection to not more than 0.03 in./ft. of span under full load.

C. Counterbalance Spring: One or more oil-tempered, heat-treated steel helical torsion springs. Size springs to counterbalance weight of curtain, with uniform adjustment accessible from outside barrel. Secure ends of springs to barrel and shaft with cast-steel barrel plugs.

D. Torsion Rod for Counterbalance Shaft: Fabricate of manufacturer's standard cold-rolled steel, sized to hold fixed spring ends and carry torsional load.

E. Brackets: Manufacturer's standard mounting brackets of either cast iron or cold-rolled steel plate.

2.9 ELECTRIC GRILLE OPERATORS

A. General: Electric grille operator assembly of size and capacity recommended and provided by grille manufacturer for grille and operation cycles requirement specified, with electric motor and factory-prewired motor controls, starter, gear-reduction unit, solenoid-operated brake, clutch, control stations, control devices, integral gearing for locking grille, and accessories required for proper operation.

1. Comply with NFPA 70.
2. Control equipment complying with NEMA ICS 1, NEMA ICS 2, and NEMA ICS 6, with NFPA 70 Class 2 control circuit, maximum 24-V ac or dc.

B. Usage Classification: Electric operator and components capable of operating for not less than number of cycles per hour indicated for each grille.

C. Grille Operator Location(s): Operator location indicated for each grille.

1. Top-of-Hood Mounted: Operator is mounted to the right or left grille head plate, with the operator on top of the grille-hood assembly and connected to the grille drive shaft with drive chain and sprockets. Headroom is required for this type of mounting.
2. Front-of-Hood Mounted: Operator is mounted to the right or left grille head plate, with the operator on coil side of the grille-hood assembly and connected to the grille drive shaft with drive chain and sprockets. Front clearance is required for this type of mounting.
3. Wall Mounted: Operator is mounted to the inside front wall on the left or right side of grille and connected to grille drive shaft with drive chain and sprockets. Side room is required for this type of mounting. Wall-mounted operator can also be mounted above or below shaft; if above shaft, headroom is required.
4. Bench Mounted: Operator is mounted to the right or left grille head plate and connected to the grille drive shaft with drive chain and sprockets. Side room is required for this type of mounting.
5. Through-Wall Mounted: Operator is mounted on other side of wall from coil side of grille.

D. Motors: Reversible-type motor with controller (disconnect switch) for motor exposure indicated for each grille assembly.

1. Electrical Characteristics: Minimum as indicated for each grille assembly. If not indicated, large enough to start, accelerate, and operate grille in either direction from any position, at a speed not less than 8 in./sec. and not more than 12 in./sec., without exceeding nameplate ratings or service factor.
2. Operating Controls, Controllers (Disconnect Switches), Wiring Devices, and Wiring: Manufacturer's standard unless otherwise indicated.
3. Coordinate wiring requirements and electrical characteristics of motors and other electrical devices with building electrical system and each location where installed.

E. Limit Switches: Equip each motorized grille with adjustable switches interlocked with motor controls and set to automatically stop grille at fully opened and fully closed positions.

F. Obstruction-Detection Devices: External entrapment protection consisting of indicated automatic safety sensor capable of protecting full width of grille opening. Activation of sensor immediately stops and reverses downward grille travel.

1. Photoelectric Sensor: Manufacturer's standard system designed to detect an obstruction in grille opening without contact between grille and obstruction.
    a. Self-Monitoring Type: Designed to interface with grille operator control circuit to detect damage to or disconnection of sensing device. When self-monitoring feature is activated, grille closes only with sustained or constant pressure on close button.
2. Electric Sensor Edge: Automatic safety sensor edge, located within astragal or weather stripping mounted to bottom bar. Contact with sensor activates device. Connect to control circuit using manufacturer's standard take-up reel or self-coiling cable.
    a. Self-Monitoring Type: Four-wire-configured device designed to interface with grille operator control circuit to detect damage to or disconnection of sensor edge.
3. Pneumatic Sensor Edge: Automatic safety sensor edge, located within astragal mounted to bottom bar. Contact with sensor activates device.

G. Control Station: Three-button control station in fixed location with momentary-contact push-button controls labeled "Open" and "Stop" and sustained- or constant-pressure push-button control labeled "Close."

1. Interior-Mounted Units: Full-guarded, surface-mounted, heavy-duty type, with general-purpose NEMA ICS 6, Type 1 enclosure.
2. Exterior-Mounted Units: Full-guarded, standard-duty, surface-mounted, weatherproof type; NEMA ICS 6, Type 4 enclosure, key operated.

H. Emergency Manual Operation: Equip electrically powered grille with capability for emergency manual operation. Design manual mechanism so required force for grille operation does not exceed 25 lbf.

I. Emergency Operation Disconnect Device: Equip operator with hand-operated disconnect mechanism for automatically engaging manual operator and releasing brake for emergency manual operation while disconnecting motor without affecting timing of limit switch. Mount mechanism so it is accessible from floor level. Include interlock device to automatically prevent motor from operating when emergency operator is engaged.

J. Motor Removal: Design operator so motor may be removed without disturbing limit-switch adjustment and without affecting emergency manual operation.

K. Audible and Visual Signals: Audible alarm and visual indicator lights in compliance with the accessibility standard.

L. Portable Radio-Control System: Consisting of two of the following per door operator:

1. Three-channel universal coaxial receiver to open, close, and stop door.
2. Portable control device to open and stop door may be momentary-contact type; control to close door is to be sustained- or constant-pressure type.
3. Remote-antenna mounting kit.

2.10 GENERAL FINISH REQUIREMENTS

A. Comply with NAAMM/NOMMA 500 for recommendations for applying and designating finishes.

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.

2.11 STEEL AND GALVANIZED-STEEL FINISHES

A. Factory Prime Finish: Manufacturer's standard primer, compatible with field-applied finish. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.

B. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard baked-on finish consisting of prime coat and thermosetting topcoat. Comply with coating manufacturer's written instructions for cleaning, pretreatment, application, and minimum dry film thickness.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for substrate construction and other conditions affecting performance of the Work.

B. Examine locations of electrical connections.

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

3.2 INSTALLATION

A. Install overhead coiling grilles and operating equipment complete with necessary hardware, anchors, inserts, hangers, and equipment supports, according to manufacturer's written instructions and as specified.

B. Install overhead coiling grilles, hoods, controls, and operators at the mounting locations indicated for each grille.

C. Accessibility: Install overhead coiling grilles, switches, and controls along accessible routes in compliance with the accessibility standard.

D. Power-Operated Grilles: Install according to UL 325.

3.3 STARTUP SERVICE

A. Engage a factory-authorized service representative to perform startup service.

1. Complete installation and startup checks according to manufacturer's written instructions.
2. Test and adjust controls and safety devices. Replace damaged and malfunctioning controls and equipment.
3. Test grille opening when activated by detector, fire-alarm system, emergency-egress release, or self-opening mechanism as required. Reset grille-opening mechanism after successful test.

3.4 ADJUSTING

A. Adjust hardware and moving parts to function smoothly, so that grilles operate easily, free of warp, twist, or distortion.

1. Adjust exterior components to be weather resistant.

B. Lubricate bearings and sliding parts as recommended by manufacturer.

3.5 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain overhead coiling grilles.

END OF SECTION

3.04 INTERIOR SIGNAGE SCHEDULE

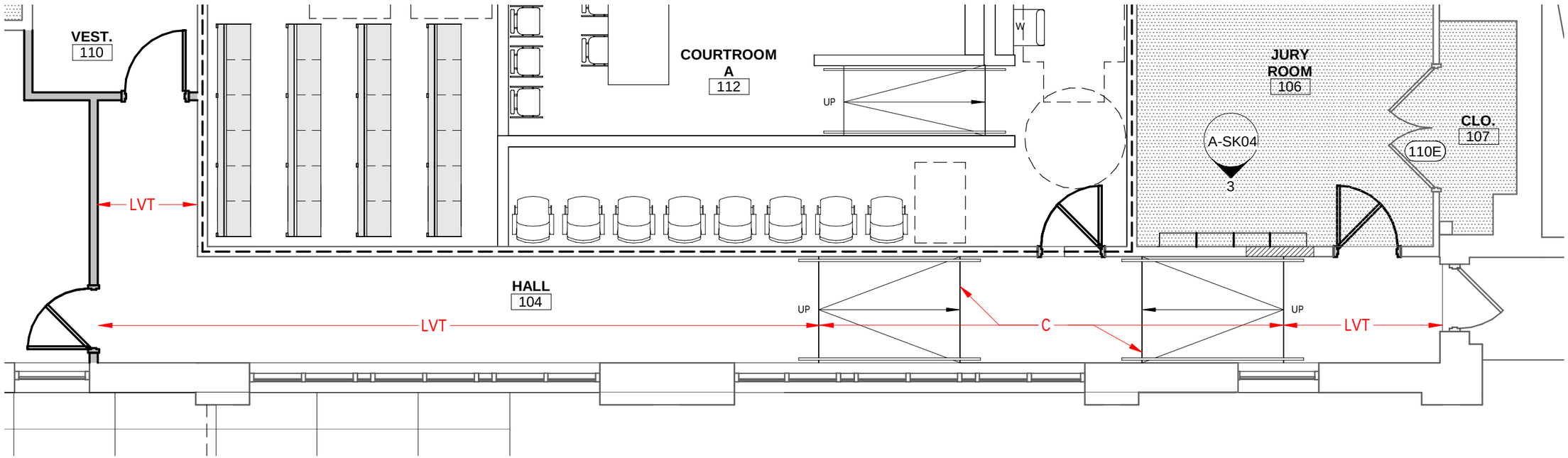
ROOM NO.	PLAN ROOM NAME	SIGNAGE TEXT	QUANTITY	LOCATION
B101	GARAGE	BASEMENT GARAGE	2	ADJACENT TO DOORS IN B102 & B105
B102	STAIRS	STAIRHALL	1	ADJCENT TO DOOR AT STAIRHALL
B103	ELECTRICAL ROOM	ELECTRICAL ROOM	1	ADJACENT TO DOOR AT ELECTRICAL ROOM
B104	MECHANICAL ROOM	MECHANICAL ROOM	1	ADJACENT TO DOOR AT MECHANICAL ROOM
B105	STAIRS	STAIRHALL	1	ADJACENT TO DOOR AT STAIRHALL
B106	ELEV. EQUIP. ROOM	ELEVATOR EQUIPMENT ROOM	1	ADJACENT TO DOOR AT ELEV. EQUIP. ROOM
101	VESTIBULE	-	0	-
102	LOBBY WAITING AREA	LOBBY WAITING AREA	4	ADJACENT TO DOOR 103E, 115R, 121E & 127R
103	ELEVATOR LOBBY	ELEVATOR	2	ADJACENT TO ELEVATOR ENTRANCE EACH FLOOR
104	HALL	JURY ROOM (NO PUBLIC ACCESS)	1	ADJACENT TO DOOR 105
105	SECURITY OFFICE	SECURITY OFFICE	2	ADJACENT TO DOORS 104E & 106R
106	JURY ROOM	JURY ROOM	2	ADJACENT TO DOORS 107R & 108R
107	CLOSET	STORAGE CLOSET	1	ADJACENT TO DOOR 110E
108*	MEN'S BATHROOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 111E
109*	WOMAN'S BATRHOOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 112E
110	VESTIBULE	-	1	-
111	ATTY. CONF. 1	ATTORNEY CONFERENCE ROOM	1	ADJACENT TO DOOR 114E
112	COURTROOM A	COURTROOM A	5	ADJACENT TO DOORS 107R, 113R, 115R, 135R, 137R
113	VESTIBULE	-	0	-
114	STAIRS	STAIRHALL	2	ADJACENT TO DOORS 121E
115	JANITOR	JANITOR CLOSET	1	ADJACENT TO DOOR 120E
116	ELECTRICAL CLOSET	ELECTRICAL CLOSET	1	ADJACENT TO DOOR 119E
117	HALL	-	0	-
118	DRUG COORDINATOR	DRUG COORDINATOR OFFICE	1	ADJACENT TO DOOR 122
119*	BATHROOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 123
120*	WOMEN'S BATHROOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 124R
121*	MEN'S BATHROOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 151N
122	SECURITY OFFICE	SECURITY OFFICE	1	ADJACENT TO DOOR 129
123	LAS	LAS OFFICE	1	ADJACENT TO DOOR 118
124	SECURE HALLWAY	SECURE COORIDOR (NO PUBLIC ACCESS)	3	ADJACENT TO DOORS 127R, 135R & 136R
125	COORIDOR	-	0	-
126	COORIDOR	-	0	-
127	MALE CELL #1	-	0	-
128	MALE CELL #2	-	0	-
129	HOLDING CELL HALL	HOLDING CELLS	2	ADJACENT TO DOOR 128 & 131E
130	INTERVIEW ROOM	INTERVIEW ROOM	1	ADJACENT TO DOOR 126E
131	INTERVIEW ROOM	INTERVIEW ROOM	1	ADJACENT TO DOOR 133E
132	FEMALE CELL	-	0	-
133	HALL	-	0	-
134	LAW CLERK	LAW CLERK	1	ADJACENT TO DOOR 139
135	SECRETARY	JUDGE OFFICE SUITE	1	ADJACENT TO DOOR 138R
135	STAIRS	BASEMENT STAIRHALL AND EXIT	1	ADJACENT TO UNLABLED DOOR
136	JUDGE OFFICE 1	JUDGE OFFICE	1	ADJACENT TO DOOR 143R
137	JUDGE OFFICE 2	JUDGE OFFICE	1	ADJACENT TO DOOR 144R
138*	BATHROOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 145R
139*	BATHROOM	GENDER NEUTRAL RESTROOM	1	ADJACENT TO DOOR 146
140	WOMEN'S LOCKER ROOM	WOMEN'S LOCKER ROOM	1	ADJACENE TO DOOR 147R
141	STAIRS	STAIRHALL	1	ADJACENT TO DOOR 149E
142	MEN'S LOCKER ROOM	MEN'S LOCKER ROOM	1	ADJACENT TO DOOR 148R
143	ELECTRIC	ELECTRICAL CLOSET	1	ADJACENT TO DOOR 150E

ROOM NO.	PLAN ROOM NAME	SIGNAGE TEXT	QUANTITY	LOCATION
201	STAIRS	STAIRHALL	1	ADJACENT TO DOOR 201E
202	LOBBY	-	0	-
203*	GENDER NEUTRAL BATROOM	GENDER NEUTRAL BATROOM	1	ADJACENT TO DOOR 202
204*	GENDER NEUTRAL BATROOM	GENDER NEUTRAL BATROOM	1	ADJACENT TP DOOR 203
205	ELEC. CLO./STOR.	ELECTRICAL CLOSET & STORAGE (NO PUBLIC ACCESS)	1	ADJACENT TO DOOR 204E
206	WAITING AREA	WAITING AREA	1	LOCATION IN FIELD
207	COURTROOM B	COURTROOM B	2	ADJACENT TO DOORS 207R & 210R
208	ATTY. CONF.	ATTORNEY CONFERENCE ROOM	1	ADJACENT TO DOOR 206R
209	PUBLIC WINDOW	PUBLIC PAYMENT WINDOW	1	ADJACENT TO DOOR 208R
210	SECURE COORIDOR/PAYMENT WINDOW	PUBLIC PAYMENT WINDOW	1	ADJACENT TO DOOR 209R
211*	MENS TOILET	GENDER NEUTRAL BATROOM	1	ADJACENT TO DOOR 211R
212	COURT REPORTERS	COURT REPORTERS OFFICE	1	ADJACENT TO DOOR 212E
213	CLERK STAFF	CLERK AREA (NO PUBLIC ACCESS)	1	ADJACENT TO DOOR 209R
214	CONFERENCE/FUTURE FILE ROOM	CONFERENCE ROOM	1	ADJACENT TO DOOR 213E
215	BREAK ROOM	BREAK ROOM	1	ADJACENT TO DOOR 214E
216	CHIEF CLERK	CHIEF CLERK OFFICE	1	ADJACENT TO DOOR 215E
217	DEPUTY CLERK	DEPUTY CLERK OFFICE	1	ADJACENT TO DOOR 216E
218	FILE/SUPPLY ROOM	FILE/SUPPLY ROOM	1	ADJACENT TO DOOR 217E
219	STAIRS	STAIRHALL	1	ADJACENT TO DOOR 218E
220*	WOMENS TOILET	GENDER NEUTRAL BATROOM	1	ADJACENT TO DOOR 219R
221	FILE ROOM	FILE ROOM	1	ADJACENT TO DOOR 220E
-	GENERAL EXIT SIGNS	EXIT	13	LOCATION IN FIELD
		TOTAL	90	

* Restrooms (Gender Neutral Restrooms) do not require room numbers

Signage Notes:

1. Final Location to be coordinated with Architect in the field prior to installation by General Contractor
2. All Signage to have Room Number, Name and Braille.
3. All signage to be ADA Compliant.
4. Submit Signage Shop Drawings and Schedule and receive approval from Architect prior to signage production.
5. General Contractor resposible for removal of all existing interior signage, patching and painting walls and turning signage over to Owner.



FIRST FLOOR NEW WORK PLAN - FLOORING

SCALE: 3/16" = 1'-0"

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY

HALL 104 FLOORING

ORANGE COUNTY, NEW YORK

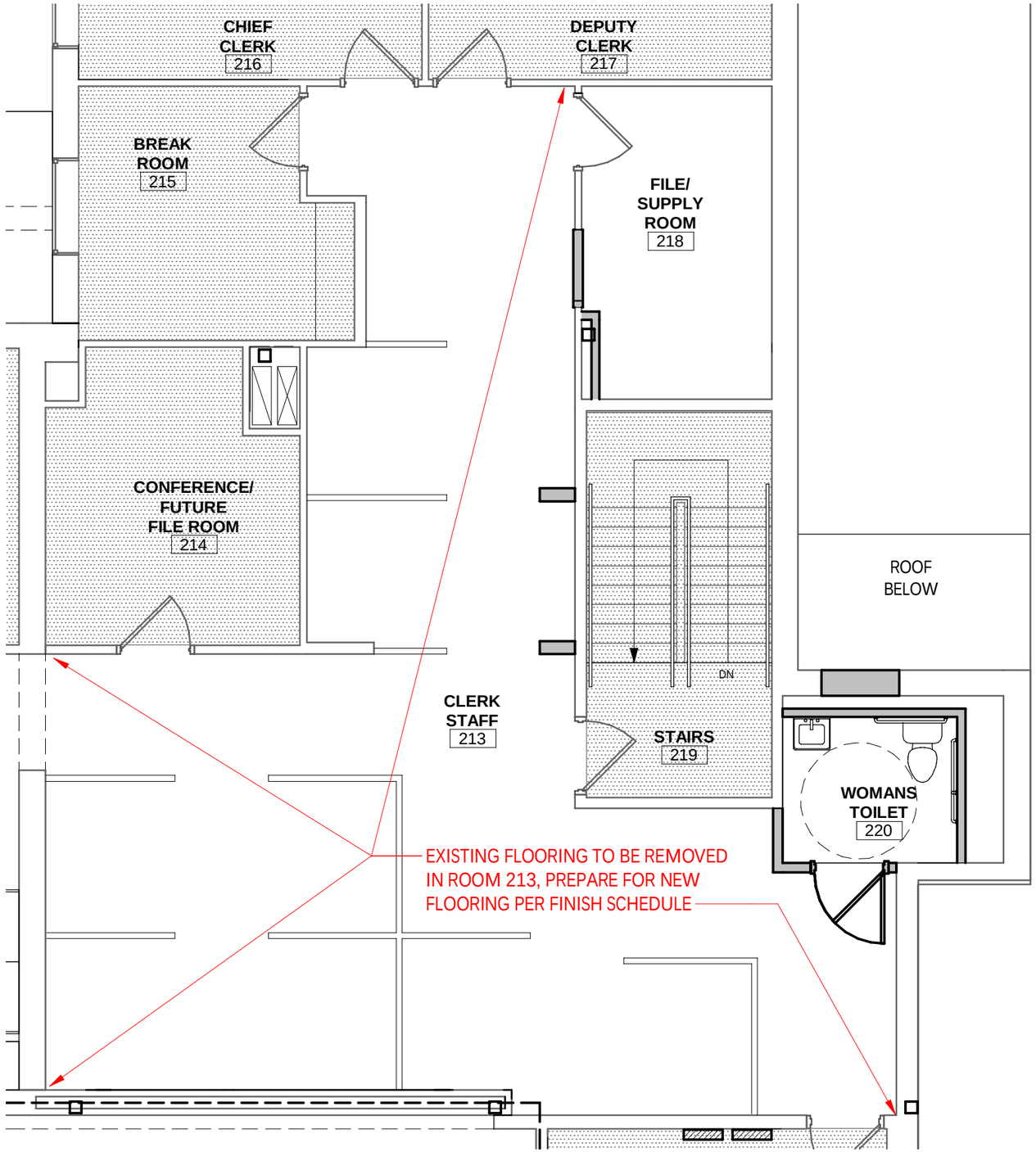
Barton & Loguidice

Date
09/27/24

Scale
AS SHOWN

Figure Number
A-SK01

Project Number
1753.008.001



SECOND FLOOR NEW WORK PLAN - FLOORING

SCALE: 3/16" = 1'-0"

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
CLERK STAFF 213 FLOORING
ORANGE COUNTY, NEW YORK

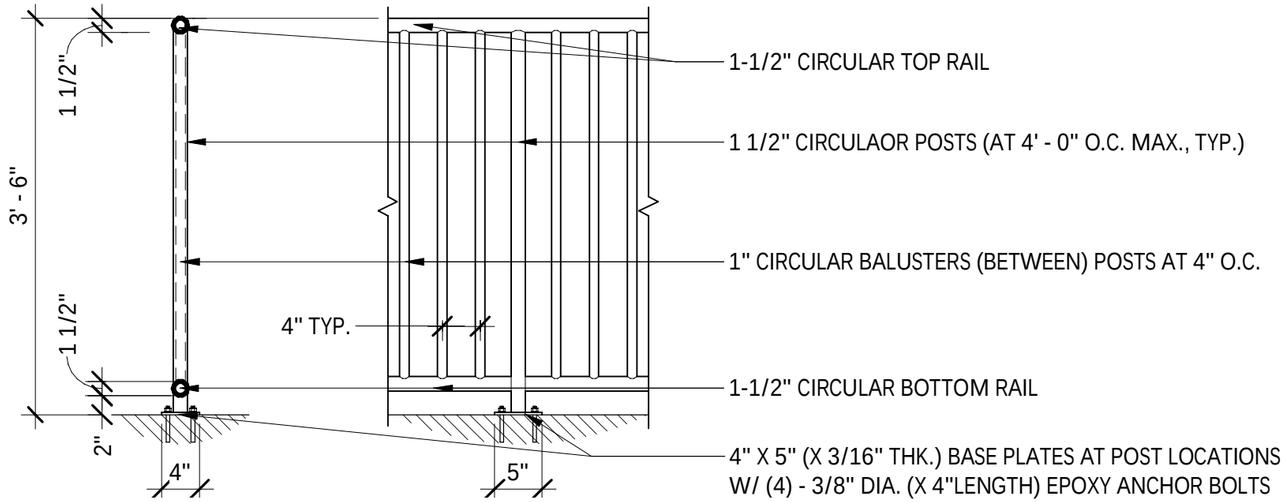
Barton & Loguidice

Date 09/27/24

Scale AS SHOWN

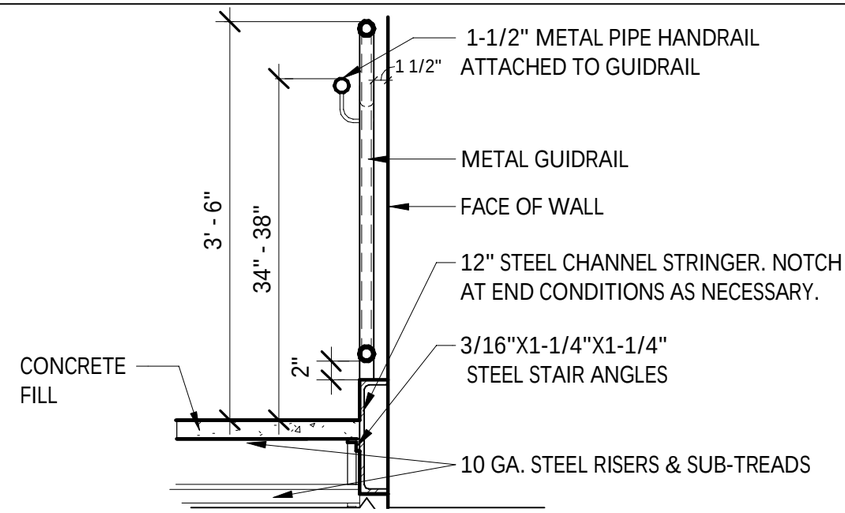
Figure Number A-SK02

Project Number 1753.008.001



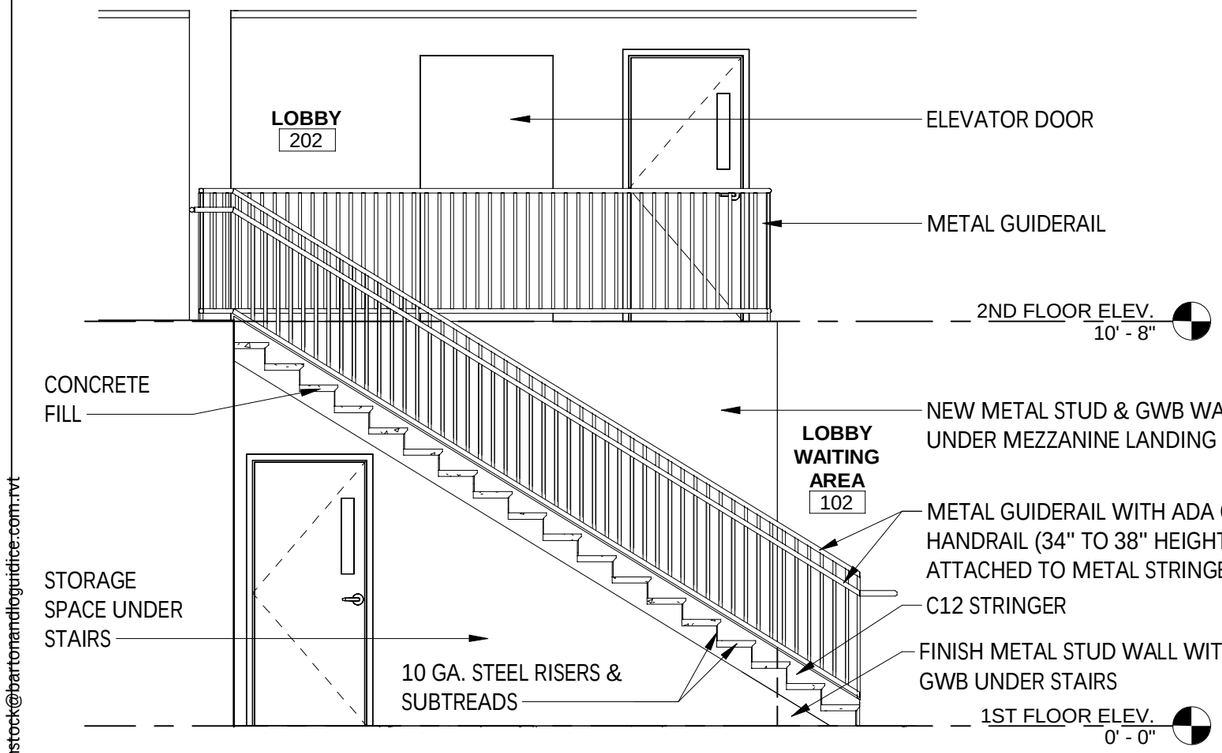
GUIDERAIL DETAIL @ MEZZANINE

3 / SK-A03 SCALE: 1/4" = 1'-0"



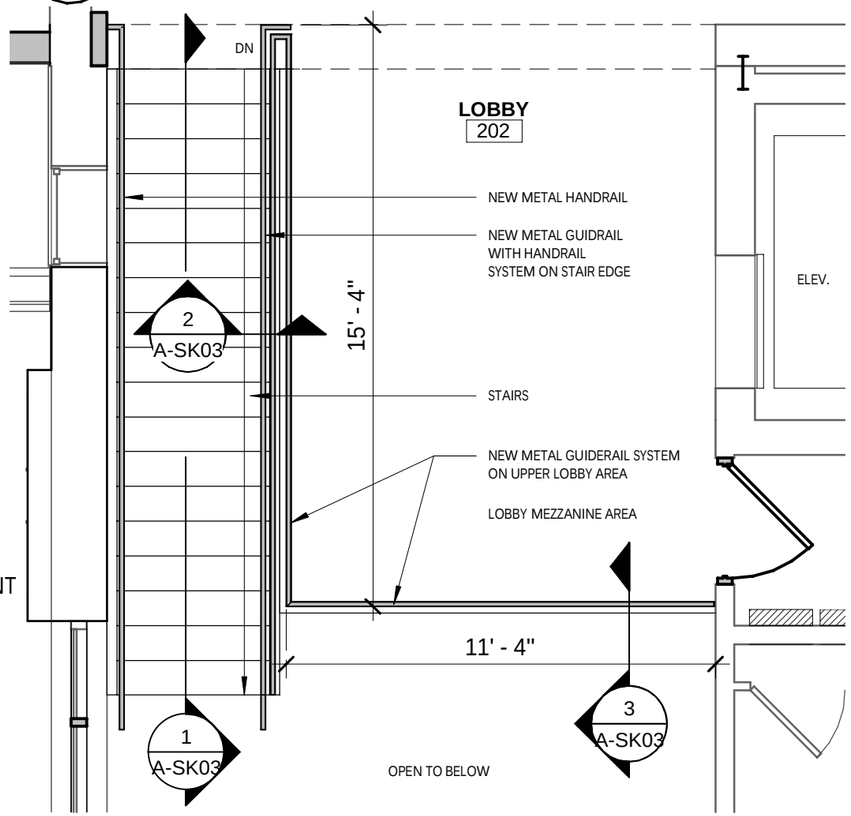
GUIDERAIL/HANDRAIL DETAIL

2 / SK-A03 SCALE: 1/4" = 1'-0"



STAIR SECTION NO. 2

1 / SK-A03 SCALE: 1/4" = 1'-0"



2ND FLOOR - GUIDERAIL LAYOUT PLAN

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

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
ORANGE COUNTY, NEW YORK

METAL GUIDRAIL/HANDRAIL PLANS & DETAIL

CITY OF MIDDLETOWN

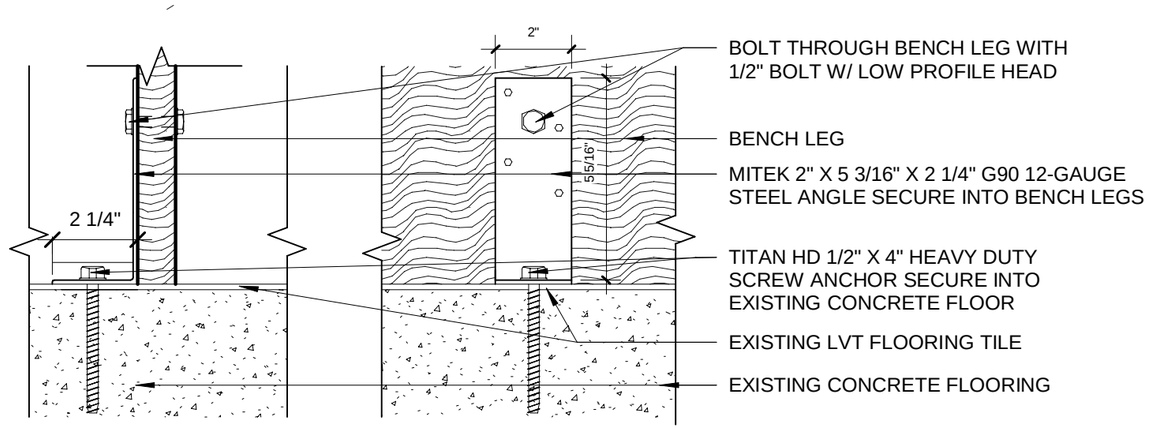
Barton & Loguidice

Date 09/27/24

Scale AS SHOWN

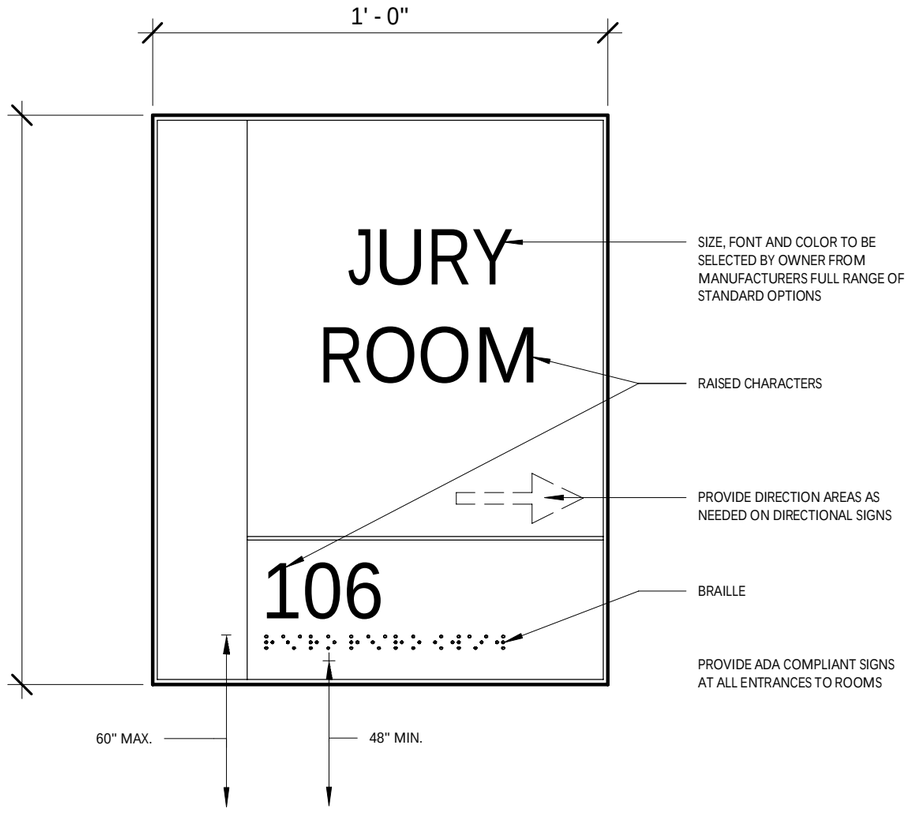
Figure Number A-SK03

Project Number 1753.008.001



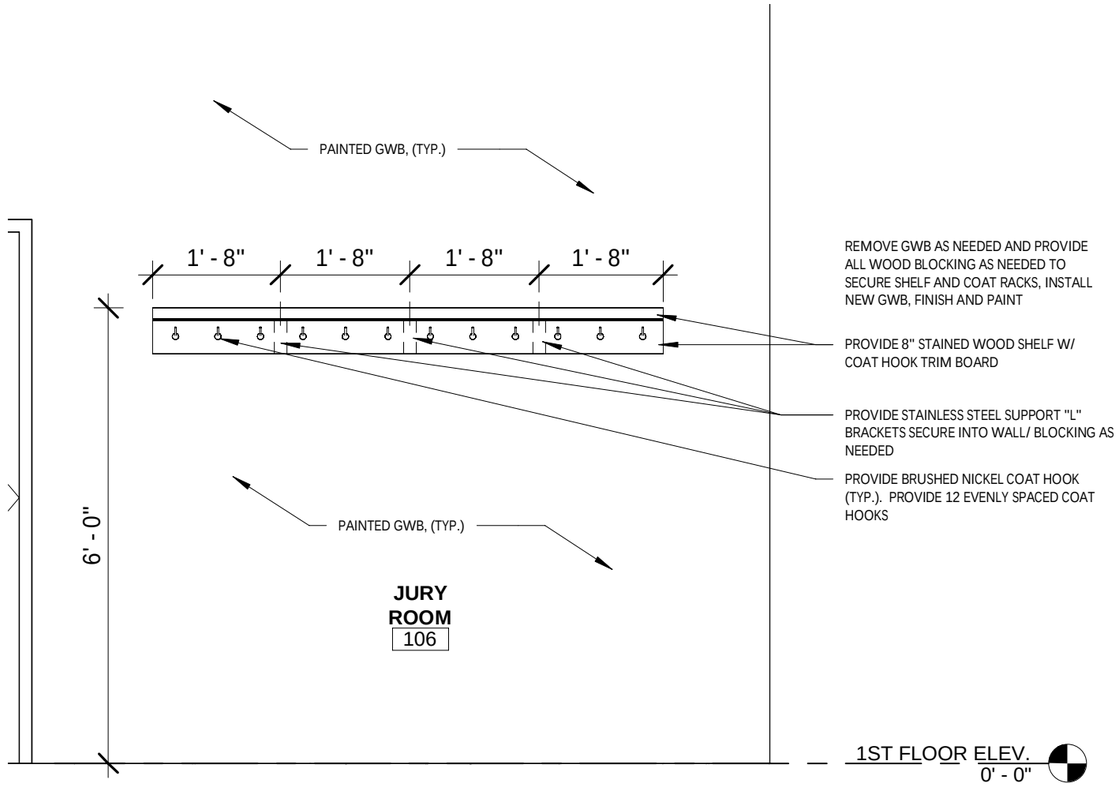
SECURING BENCH L BRACKET DETAIL

SCALE: 3" = 1'-0"



TYPICAL ROOM & DIRECTIONAL SIGNAGE

SCALE: 3" = 1'-0"



JURY ROOM SHELF AND COAT RACK ELEVATION

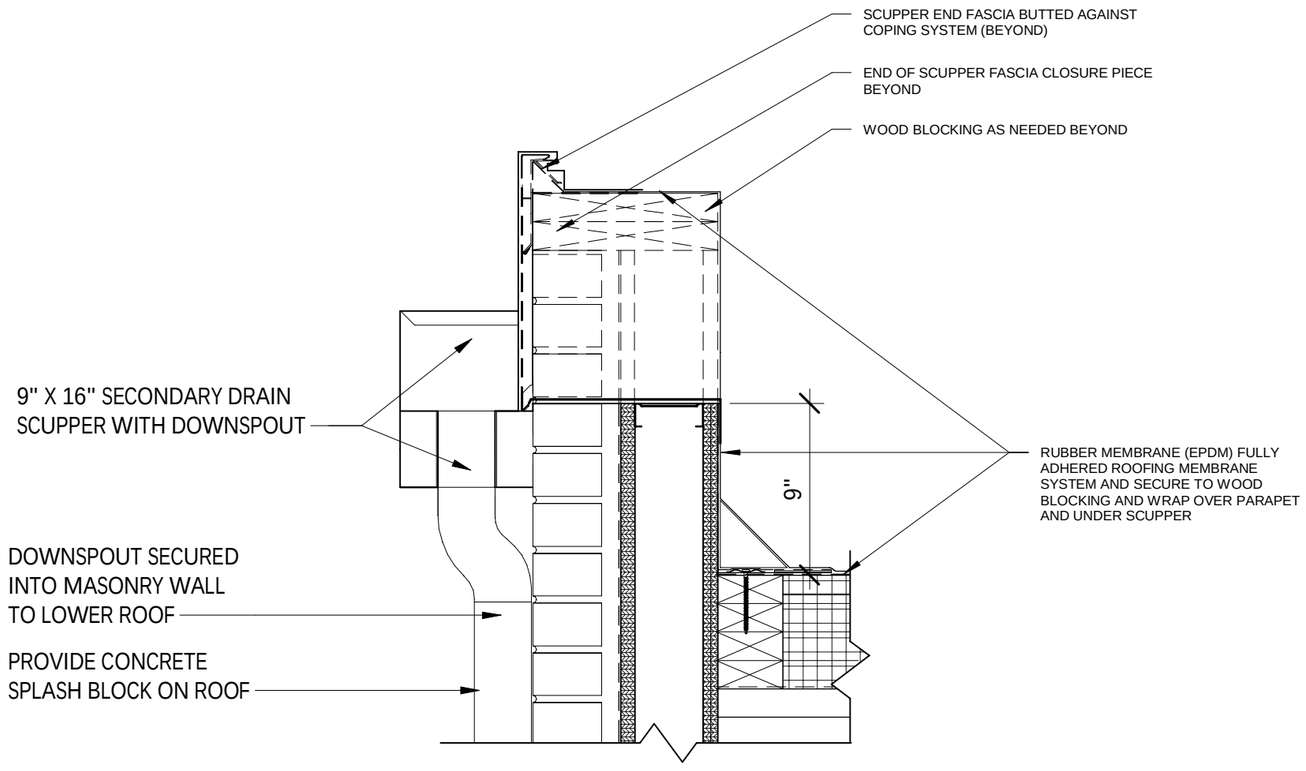
SCALE: 1/2" = 1'-0"

ROOM SIGNAGE, BENCH AND COAT RACK DETAILS

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
ORANGE COUNTY, NEW YORK

Barton & Loguidice

Date	09/27/24
Scale	AS SHOWN
Figure Number	A-SK04
Project Number	1753.008.001



NOTES:

1. PROVIDE ANCHORGARD EXTENDED CANTED FASCIA - 12" (GALVANIZED WATERDAM VERSION) AS AVAILABLE FROM FIRESTONE BUILDING PRODUCTS, OR APPROVED EQUAL, COLOR TO BE SELECTED BY OWNER FROM MANUFACTURERS FULL RANGE OF COLOR OPTIONS.
2. PROVIDE DOWNSPOUT SCUPPER IN LOCATION SHOWN ON ROOF PLAN.
3. INSTALL WATERDAM FASCIA COPINGS AND SCUPPERS PER MANUFACTURERS REQUIREMENTS.

ADDITION METAL SCUPPER DETAIL

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

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
ADDITION ROOF SCUPPER DETAIL
ORANGE COUNTY, NEW YORK
CITY OF MIDDLETOWN

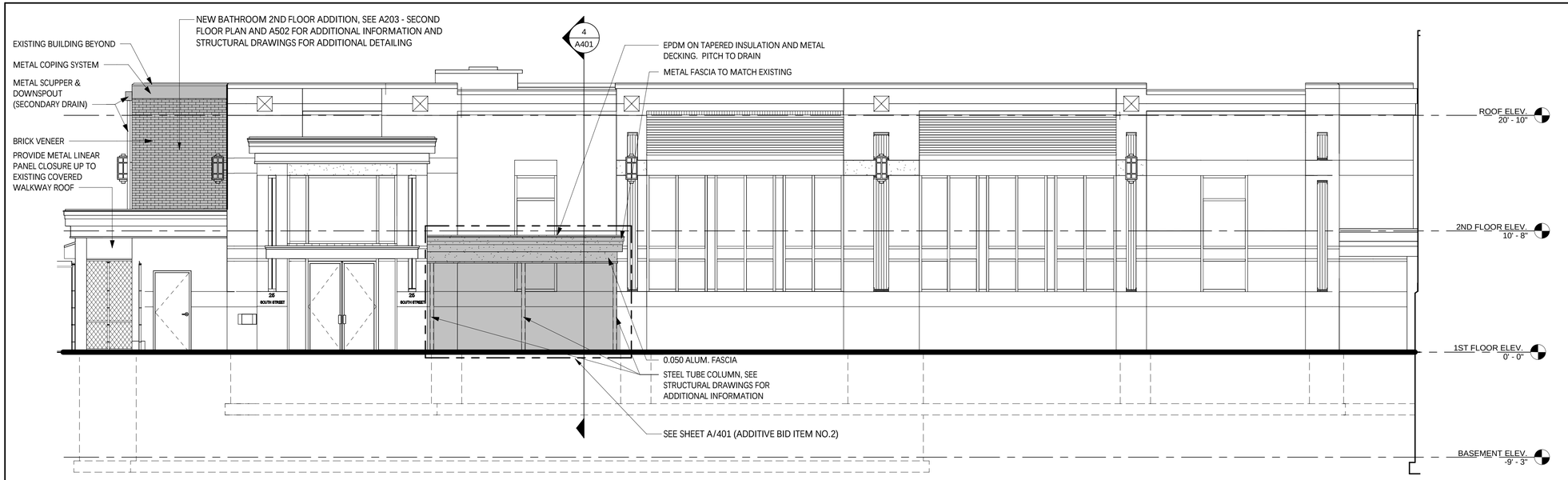
Barton & Loguidice

Date 09/27/24

Scale AS SHOWN

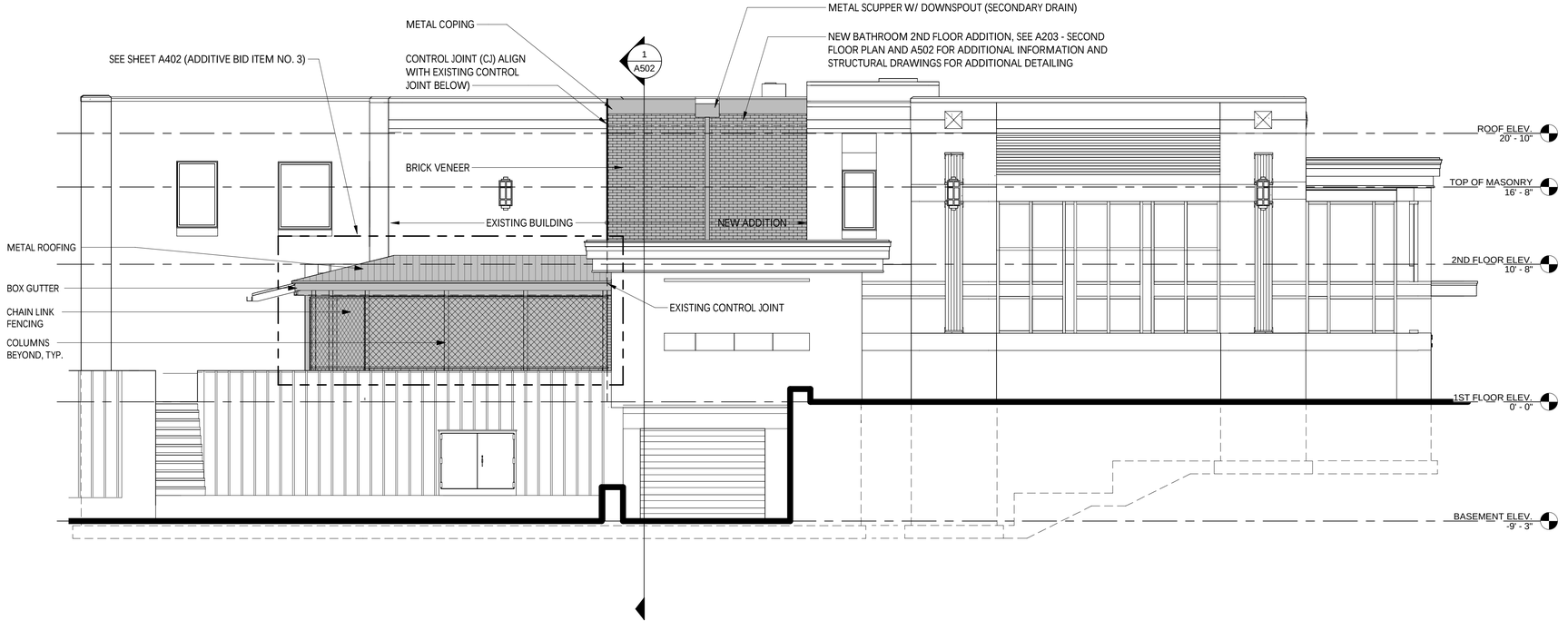
Figure Number A-SK05

Project Number 1753.008.001



SOUTH ELEVATION

SCALE: 3/16" = 1'-0"



WEST ELEVATION

SCALE: 3/16" = 1'-0"

REVISIONS

CITY OF MIDDLETOWN
NEW COURTHOUSE FACILITY
CONTRACT 1A - GENERAL CONSTRUCTION

BUILDING SOUTH AND WEST ELEVATIONS

ORANGE COUNTY, NEW YORK

CITY OF MIDDLETOWN

Barton & Loguidice
443 Electronics Parkway
Liverpool, NY 13088
NYS CERTIFICATE # 0021642, 0020588, 0019903, 0019905, 0020336

NYS EXP.:

Date: SEPTEMBER, 2024

Scale: AS SHOWN

Sheet Number: A206R

Project Number: 1753.008.001

Plotted: 9/27/2024 3:46:19 PM
C:\Users\zdc\Documents\Middletown Courthouse 6.22.21 Central File - ARCHITECTURAL STRUCTURAL MODEL - Field Drawing_zcomstock@bartonandloguidice.com.rvt
Checked by: ZDC Drawn by: ZDC Designed by: ZDC In Charge of: TRB