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Governor

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Commissioner

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Regional Director

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NYS Office of Parks Recreation & Historic Preservation
Taconic Regional Administrative Headquarters
9 Old Post Road
PO Box 308
Staatsburg, NY 12580
Tel: 845-889-3899

ADDENDUM NO. 5

Total Pages 26

7/13/2021

TA-PM-2022-001

Philipse Manor Hall State Historic Site – Construction of Elevator/Restroom Addition, Interior and Exterior Rehabilitation and Site Enhancements

CONTRACT NUMBER

D005805 General Construction

GENERAL INFORMATION

1) Read all plans, specifications, and addenda carefully.
2) **IMPORTANT** - Acknowledge receipt of all addenda on the bid form when submitting your bid.
3) Confirm via email to joanne.beaulieu@parks.ny.gov your receipt of this addendum.
4) This Addendum is part of the Contract Documents.

IMPORTANT CHANGES

1) **All RFI's are NOW due by 3:00 PM on Wednesday, July 14, 2021**
2) Sealed bids for Sealed proposal for Construction of Elevator/Restroom Addition, Interior and Exterior Rehabilitation and Site Enhancements at Philipse Manor Hall State Historic Site, 29 Warburton Ave. Yonkers, Westchester County, NewYork will be received by the **New York State Office of Parks, Recreation and Historic Preservation (OPRHP), Taconic Region at 9 Old Post Road Staatsburg, NY 12580** Attn: Garrett Jobson until **3:00 P.M. local time, July 21, 2021.**

3) **ATTACHMENTS**

The following attachments shall be incorporated into the Contract Documents as applicable:

1) Current Plan Holders List

2) INSERT the following specification sections with the attached sections:
   a) Section 08 81 00 Glazing
   b) Section 10 14 01 Banner Arm and Bracket
   c) Section 28 16 00 Intrusion & Fire System

3) REPLACE the following sheets in the drawing set with the attached sheets:
   a. L300, L601, A101, A102, A601, E004

Contractor Questions and Answers

Q1. Reference Second Floor-Low Roof Framing Plan on S102. There is no note regarding elevated concrete, similar to Note 8 on the First Floor Framing Plan (S101). And Section 8/S302 shows the deck, but no concrete on deck. Is there concrete required on the deck at the 2nd floor? Wall Sections 2/A-500 and 3/A-500 (specifically blowups 6/A600 and 9/A600 at the 2nd floor) do not detail door structure either. What is above metal decking on the 2nd floor? The blowups appear to show some type of floor sheathing, but it is not defined on the blowups referenced above.

a. Response: The 2nd floor assembly does not include concrete. The assembly includes metal deck, ¾" plywood sheathing, wood strip and plank flooring per section 09 64 29. Elevated Concrete on steel form deck is specified at the north east corner - first floor entry only.

Q2. The bathrooms at the new addition appear to have a porcelain tile wainscot (PWT) per the finish schedule, but elevations on A701 do not show tile. Is a tile wainscot required at Bathrooms 108, 109, 207, and 208? If so, how high above finished floor should the wainscot extend?

a. Response: Tile shall be provided at walls in Rooms per typical detail 5/A700 for typical wall tile pattern.

Q3. *There is no information on the drawings regarding the new column shown on 3/A601 and Elevation 1/A201. Please provide spec*.

a. Response: This is not a new column, it is a relocated column. Refer to A010, "Remove column and footing – Relocated to new position during reconstruction."

Q4. Reference Elevation 1/A201. There is no information in spec regarding stainless steel anchors and poles for banners (8 locations). Please provide spec.

a. Refer to added specification Section 10 14 01 Banner Arm and Bracket.

Q5. Please provide sections/details/specs for the 12' x 16' storage shed shown on L300.

a. **Response: The design intent is this is a prefabricated storage shed. Refer to specification section 13 34 41 - Wood Portable Buildings.**

Q6. Spec identifies WRB at exterior walls as both asphalt felt paper (Spec 072500) and insulated structural panel (Spec 061613 paragraph 2.04.A.6). There are some locations where both WRB and insulated structural panel are called for. Confirm asphalt felt paper is intended to be the barrier that is used everywhere where "WRB" is referenced on drawings.

a. **Response: Asphalt felt paper is intended for locations that WRB is called for and where insulating wall sheathing with built in water-resistive barrier is not used.**

Q7. The only location fluid applied waterproofing is shown on drawings appears to be under tile floors, but the spec (071400) appears to be a spec for foundation wall waterproofing, including drainage panel, cover board, etc. Where is Spec 071400 applicable on this project?

a. **Response: Refer to wall sections on sheet A500 for typical application of fluid applied membrane with drainage panel, cover board, etc. at new foundation walls.**

Q8. There are 10 new frames on Door Schedule (1081, 1091, 2071, 2081, B61, B71, D-1032, D- 1033, D-1034, and D-1062) which show a new Type F-A hollow metal frame, which is a three-sided frame per the frame elevations on A-801, but the head detail reference in the schedule is 10/A801, which references a transom (with frosted glass) above the door. Confirm if these door frames have a transom above the door.

a. **Response: Doors 1081 and 1091 have transoms above the door. The other doors listed do not have transoms**.

Q9. Door Elevation D-C (Doors 1081 and 1091) shows a transom above the door, but the frame type is listed as F-A, which is a three-sided frame. Do these new frames have transoms?

a. **Response: Doors 1081 and 1091 have transoms above the door.**

Q10. The door schedule shows Doors 101A, 101B, 101C, 101D, 203A, and 203B that cannot be located on the plans. Where are these doors?

a. **Response: Refer to revised plans A101 and A102. Doors 101A-101D are located in the cabinetry in room 101. Doors 203A and 203B are in the small space between rooms 203 and 204.**

Q11. Spec 082000-3.1 is asking us to visually inspect and probe existing wood doors and prepare a door restoration schedule, in other words determine the door issues post bid, yet we are asked to submit a bid that includes all this unknown restoration. Recommend an allowance be used for this bid, actual cost to be assessed after the inspection/probe work is complete and weighed against the allowance.

a. **Response: Please see the Door Schedule on Sheet A801. Doors requiring restoration are identified. Restore doors as indicated on schedule and D 2052 and 1062 (see below)**
    i. **D-2052 (Exterior): Replace splice on bottom rail. Drill, peg and epoxy new slice to remaining sound portion.**
    ii. **D-1062 (Exterior): Replace wood sill with solid White Oak, approx. 4" x 12" x 60-1/2". Top hinge pintel is loose, so that door may not swing properly. Pintels are screwed into wood blocking inside the door frame (photo). Remove exterior trim on right (south) jamb and reinstall pintel in new blocking or epoxy-repaired blocking.**

Q12. Spec 082000-1.2.A.2 and 082000-3.8 indicate fabrication and installation of wood replica replacement doors, but no schedule or document indicates which existing doors require full replacement. Clarify which existing doors are "restored" versus "replaced".

a. **Response: Please see the Door Schedule on Sheet A801.**

Q13. Spec 082000-2.7 indicates wrought steel hardware for replica 18th Century Doors is to be used, but no schedule or document indicates which existing doors require this hardware, and what are the components of the hardware set. Clarify extent of hardware replacement at each door.

a. **Response: Please see Door Schedule on Sheet A801. All new doors, new storms and replacements require new hardware. Hardware type depends on door type.**

Q14. Is the ceiling in Room 104 a NEW veneer plaster ceiling (excluding the medallion), or simply an existing one that needs to be primed and painted?

a. **Response: Provide a new veneer plaster ceiling in Room 104. Salvage medallion at center of room in place.**

Q15. Room 105 calls for a C-04 ceiling, and scope description on A 120 indicates "Patch ceiling. Scrape, prime and paint ceilings". What is the ceiling construction that we are patching (i.e., drywall, plaster, concrete, etc)?

a. **Response: Ceiling construction is plaster with metal lath.**

Q16. Wood Floor Restoration Spec 09640-2.1 calls for new wood flooring to replace existing where damaged at Room 205 "as indicated on drawings". The drawings do not seem to indicate where the flooring is damaged. Please provide extent of damaged areas that need replacing.

a. **Response: Refer to revised Sheet A101 for damaged wood flooring to be replaced in Room 104.**

Q17. Wood Floor Restoration Spec 09640-3.1.A indicates that areas have been identified for replacement of existing wood flooring, but neither the floor finish schedule, nor the floor plans seem to show the extent of this replacement. Please identify extent of replacements, and whether the softwood or hardwood floor is required in each location.

a. **Response: Wood flooring shall be replaced via the ramp near door 2051 as shown on A102. Refer to detail 14/A601 for extent of work at ramp. Wood flooring infill shall be provided at the entrance to the addition in Room 205. Refer to revised sheet A102 for allowance of floor replacement at Room 205. Refer to revised sheet A101 for extent of wood flooring replacement in Room 104.**

Q18. Spec 09640-3.1.B indicates removal of deteriorated flooring, but the floor finish schedule, nor the plans seem to show the extent and location of deteriorated flooring, and removal of flooring is not indicated anywhere on the drawings (except Room 203). Please clarify extent and location of deteriorated flooring, and which type of wood floor goes back in itsplace (softwood or hardwood).

a. **Response: Refer to revised sheet A101 and revised specification 09 64 20 Wood Flooring Restoration.**

*Q19. Confirm that Spec 096429 Wood Strip and Plank Flooring is applicable to **ONLY** the new wood (designated as WD) flooring at the new addition.*

a. **Response: Correct, the specification 09 64 29 Wood Strip and Plank Flooring is applicable to only the new wood flooring at the new addition.**

Q20. Please provide softwood and hardwood flooring spec for any replacement flooring required.

a. **Response: Flooring replacement at Room 205 shall follow specification 09 64 20 Part 2. Flooring replacement for the remainder of the Manor shall follow revised specification 09 64 20.**

Q21. Plaster and lath restoration Spec 092000 reference Specs 017300 and 099000 for removal of plaster and surface preparations, but there are no such specs. Please provide.

a. **Response: Plaster and Lath Restoration Spec 092000 should reference specs: 021000 Selective Demo, 028300 Lead, 099123 Interior paint.**

Q22. With respect to C-01 ceilings and WL-01 walls, the drawings do not identify where ceilings and walls need to be repaired, stabilized and restored. None of the conditions listed in Spec 092000-1.1 are identified on the drawings. Where is new wood lath required? Where is new metal lath required? Where are plaster ceilings and walls cracked? Recommend an allowance for this work for bid since scope is not quantifiable based on current drawings.

a. **Response: Refer to Addendum #2, sheets A101/A102/A103 for allowance totals at interior restoration schedule. Refer to sheets A710, A711, A712, A713 for highlighted areas in need of repair and restoration. Please note that these locations are not all inclusive, the allowance totals in the Interior Restoration Schedule on sheets A101/A102/A103 shall be used for bidding purposes.**

Q23. Please provide Signage Schedule for required signage.

a. **Response: Refer to sheet LS100, LS101, and LS102 for locations of Room and Door signs. Room signs shall meet the requirements of section 10 14 00 Part 2.02.**

Q24. Specification 075300 Elastomeric Membrane Roofing, 1.01, A makes reference to a ballasted application. Please advise if the membrane roofing system is to be ballasted or shall be fully adhered as noted in part 3.04, C.

a. **Response: The new roofs will not be ballasted.**

Q25. Please confirm the desired roof warranty length and wind speed. Specification 075300 Elastomeric Membrane Roofing, 1.07 Warranty does not specifically call out the warranty length and windspeed desired. Also, please confirm if accidental puncture coverage is desired.

a. **Response: Provide a 30 year warranty with up to 115 mph wind speed. Include accidental puncture coverage as well.**

Q26. Specification 075300 Elastomeric Membrane Roofing, 2.02, C calls for a coating to be applied to the new black roofing membrane. Is a white coating to be installed on the new black EPDM membrane?.

a. **Response: No**

Q27. Please confirm the attachment of the insulation, substrate board, vapor barrier, and coverboard. Specification 075300 Elastomeric Membrane Roofing, 3.03 Installation has some contradictions. Specification states to attach all insulation in adhesive but to mechanically attach the coverboard. Specification also describes the vapor retarder being directly applied to the metal roof deck. This roofing assembly would typically be a substrate board mechanically attached to the roof deck, the vapor barrier adhered to the substrate board, insulation adhered to vapor barrier, and cover board adhered to the insulation. Please advise

a. **Response: 5/8" Coverboard is to be mechanically attached to the metal deck, followed by VapAir Seal 725TR, fully adhered insulation, then adhered cover board, then EPDM membrane. Reference Roof assembly listed on A107.**

Q28. Specification 075300 Elastomeric roofing, 3.06 describes installing insulation boards over the roofing membrane. Is insulation to be installed over roof membrane? Please advise further.

a. **Response: Insulation is to be installed over the VapAir Seal 725 TR.**

Q29. See 2/A010. Plan shows the existing canopy, that has existing standing seam metal roof panels, is to be demolished partially, as shown by hashed line. Detail 7/A107 shows a new wall flashing detail where the existing standing seam will tie-into the new addition wall. Can a specification be provided for the Standing Seam Metal Roof Panels and associated underlayment? The existing panels will need to be matched when new panels are installed.

a. **Response: At this time the existing metal roof manufacturer is unknown. The replacement panel will need to match the existing standing seam metal roof in material and color.**

Q30. Drawing A810 Storefront Elevations call for Transparent Glazing & Spandrel Glazing, however the glazing specification is not clear what glass make-up to provide as it lists multiple finishes (ie: Velour/Satin/Opaque/Satinlite). Please provide this information.

a. **Response: See revised specification 088100**

Q31. There is no make-up for the spandrel glass. Please provide this information.

a. **Response: See revised specification 088100**

Q32. *The glazing specification also mentions Bird Friendly Glass (2.02 – D,8.), but this is not shown on the drawings. Please clarify where this type of glass is to be used.*

a. **Response: All glazing to is to be bird glass. See revised specification 088100.**

Q33. Please advise the custom color required for L1-1, L1-2, and L7. Manufacturer requires this information to quote.

a. **Color is to be Black.**

Q34. Reference Detail 13/L600: Note #1 mentions field painting of the existing fencing however, specification section 05 01 02 3.01A directs the contractor to "Remove fence/railings off site and prepare surfaces for restoration." Please clarify.

a. **Delete note 1 on detail 13/L600 and replace it with "Remove fence/railings off site and prepare surfaces for restoration".**

Q35. Reference Detail 13/L600: Note #3 directs the contractor to "power tool clean to bare metal all rusted areas" however, specification section 05 01 02 3.02A directs the contractor to "Remove all paint to bare metal from iron and steel surfaces. " Please clarify.

a. **Delete note 3 on detail 13/L600 and replace it with "Remove all paint to bare metal from iron and steel surfaces."**

Q36. Reference Detail 13/L600: Note #5 directs the contractor to apply three (3) layers of Zinc rich paint however, specification section 05 01 02 2.02A directs the contractor to provide a powder coat finish. Please clarify.

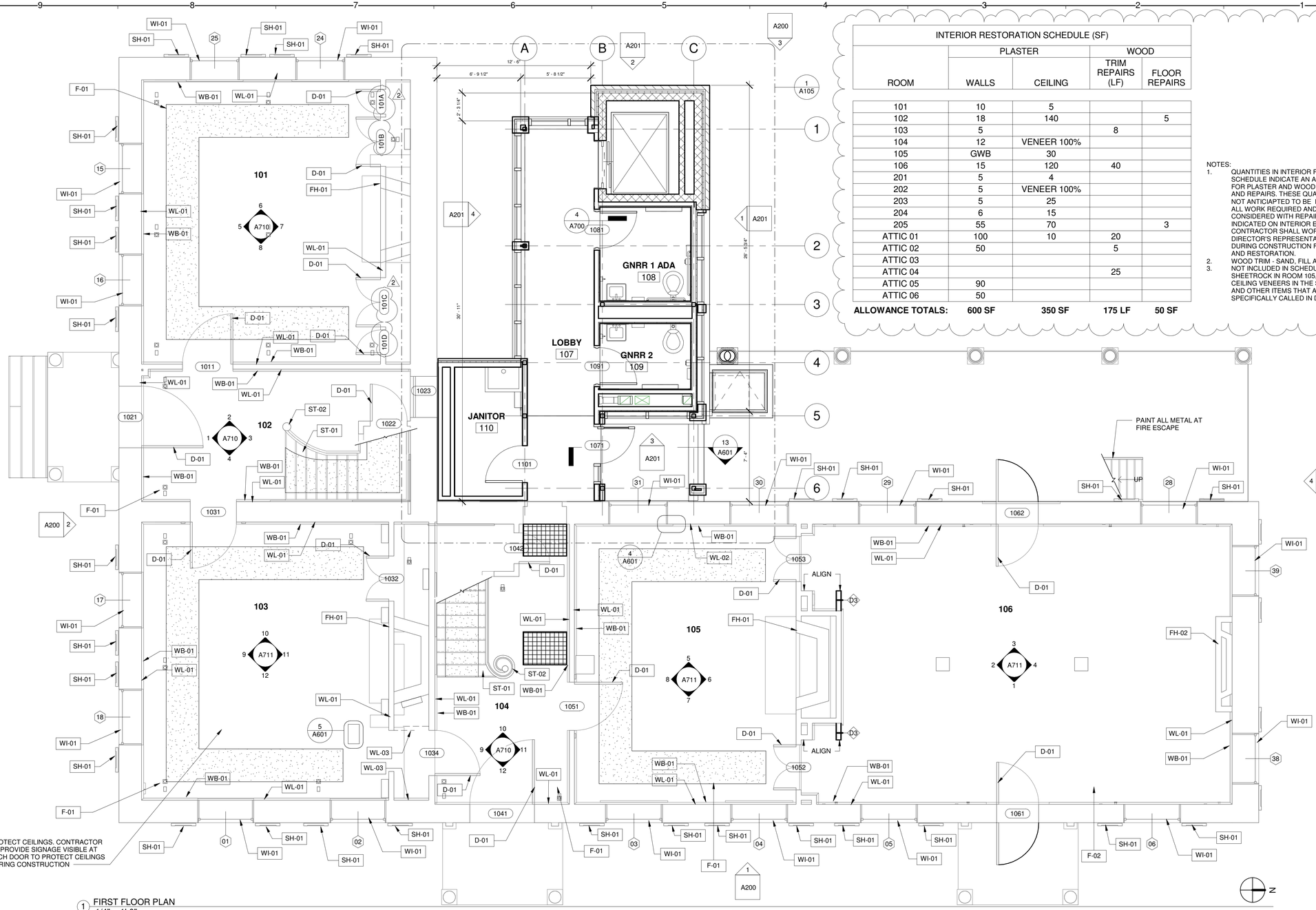
a. **Delete note 5 on detail 13/L600 and replace it with "Provide a powder coat finish."**

Q37. Please provide sections/details/wall thickness of the tube steel supports at the entry sign shown in detail 10/L601.

a. **Tube steel supports shall be 6" x 6" x .375" wall square tube in accordance with ASTM A500.**

Q38. Please provide the substrate material for the double-sided entrance sign (12/L601).

a. **6MM double-sided aluminum composite sign panel with polyethylene core. Sign panel mounted to posts with aluminum angle irons (front and back).**



1 FIRST FLOOR PLAN
1/4" = 1'-0"

INTERIOR RESTORATION SCHEDULE (SF)

ROOM	PLASTER WALLS	PLASTER CEILING	WOOD TRIM REPAIRS (LF)	WOOD FLOOR REPAIRS
101	10	5		
102	18	140		5
103	5		8	
104	12	VENEER 100%		
105	GWB	30		
106	15	120	40	
201	5	4		
202	5	VENEER 100%		
203	5	25		
204	6	15		
205	55	70		3
ATTIC 01	100	10	20	
ATTIC 02	50		5	
ATTIC 03				
ATTIC 04			25	
ATTIC 05	90			
ATTIC 06	50			
ALLOWANCE TOTALS:	**600 SF**	**350 SF**	**175 LF**	**50 SF**

NOTES:
1. QUANTITIES IN INTERIOR RESTORATION SCHEDULE INDICATE AN ALLOWANCE FOR PLASTER AND WOOD RESTORATION AND REPAIRS. THESE QUANTITIES ARE NOT ANTICIAPTED TO BE INCLUSIVE OF ALL WORK REQUIRED AND SHALL BE CONSIDERED WITH REPAIR LOCATIONS INDICATED ON INTERIOR ELEVATIONS. CONTRACTOR SHALL WORK WITH DIRECTOR'S REPRESENTATIVE IN FIELD DURING CONSTRUCTION FOR REPAIRS AND RESTORATION.
2. WOOD TRIM - SAND, FILL AND PAINT 100%
3. NOT INCLUDED IN SCHEDULE: SHEETROCK IN ROOM 105. THE 100% CEILING VENEERS IN THE STAIRS HALLS AND OTHER ITEMS THAT ARE SPECIFICALLY CALLED IN DRAWINGS.

LEGEND

CARPET RUNNER

WOOD RESTORATION: REPLACE SECTION OF EXISTING DETERIORATING WOOD FLOOR. COORDINATE WITH DIRECTOR'S REPRESENTATIVE FOR EXACT LOCATIONS. ALLOW 50 SF TOTAL IN PROJECT.

NOTE: PAINT COLOR SCHEDULE TO BE PROVIDED BY OPRHP

SCOPE OF WORK

NOTE	ITEM	DESCRIPTION OF WORK
D-01	DOORS	RESTORE EXISTING DOORS TO A SOUND AND FUNCTIONAL CONDITION, WHILE PRESERVING AND PROTECTING THEIR ORIGINAL DESIGN, CONFIGURATION, DETAILS AND PROFILES. PAINT 2 COATS.
F-01	FLOORING	RESTORE ALL FLOORS. STAIN AND VARNISH, 3 COATS POLYURETHANE. INSTALL CARPET RUNNER.
F-02	FLOORING	REMOVE CARPET AND PLYWOOD LAYER TO ORIGINAL WOOD FLOOR. RESTORE ALL FLOORS. LIGHTLY SAND, STAIN AND VARNISH, 3 COATS POLYURETHANE. INSTALL CARPET RUNNER.
F-03	FLOORING	RESTORE ALL FLOORS. LIGHTLY SAND, STAIN AND VARNISH, 3 COATS POLYURETHANE. INSTALL CARPET RUNNER.
FH-01	FIREPLACE HEARTH	NIC. PROTECT FROM DAMAGE.
FH-02	FIREPLACE HEARTH	REPLACE METAL EDGING WITH WOOD TO MATCH FLOOR
SH-01	SHUTTERS	COMPLETELY RESTORE TO SOUND CONDITION AND ORIGINAL PLANES AND PROFILES.
ST-01	STAIRS / BALLUSTERS	TOUCH UP STAIRS AND BALLUSTRADE, LIGHTLY SAND AND PAINT ALL PAINTED WOODWORK. PAINT 2 COATS. INSTALL CARPET RUNNER.

SCOPE OF WORK

NOTE	ITEM	DESCRIPTION OF WORK
ST-02	STAIRS / BALLUSTERS	AT VARNISHED WOODWORK, FILL AND STAIN APPLIED FILLER. DO NOT PAINT VARNISHED WOODWORK.
WB-01	WALL BASE / WAINSCOTTING / WOODWORK	COMPLETELY RESTORE TO SOUND CONDITION AND ORIGINAL PLANES AND PROFILES. REPLACEMENT COMPONENTS MUST REPLICATE THE SIZE, SHAPE AND PROFILE OF THE ORIGINAL. MATCH HISTORIC JOINERY DETAILS SUCH AS MORTISE AND TENON JOINTS.
WI-01	WINDOWS	RESTORE EXISTING WINDOWS TO A SOUND AND FUNCTIONAL CONDITION, WHILE PRESERVING AND PROTECTING THEIR ORIGINAL DESIGN, CONFIGURATION, DETAILS AND PROFILES. REGLAZE WINDOWS, INSTALL STORM WINDOWS PER DETAILS.
WL-01	WALLS	REPAIR, STABILIZATION AND RESTORATION OF CONVENTIONAL THREE PART LIME & GYPSUM PLASTERS OVER WOOD AND METAL LATH, INCLUDING AREAS ADJACENT TO SPECIFIED REMOVALS THAT WERE DAMAGED DURING CONSTRUCTION. PREPARE INTERIOR SURFACE FOR AND APPLICATION OF INTERIOR PAINT, 2 COATS.
WL-02	WALLS	REMOVE EXISTING PLEXIGLASS AND FURRING STRIPS (IN ROOM 105 ONLY), INSTALL NEW FURRING STRIPS, INSTALL GWB, PRIME AND PAINT
WL-03	WALLS	REPLICATE HISTORIC PANELING IN OPENING TO MATCH EXISTING. PAINT 2 COATS.

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Regional Director: Linda Cooper
District Manager: Garrett Jobson

Project Title:
Philipse Manor Hall State Historic Site
Construction of Elevator/Restroom Addition, Interior and Exterior Rehabilitation and Site Enhancements

Project Location:
29 Warburton Ave, Yonkers, NY 10701

Key Plan

REVISIONS

Rev No.	Description	Date:
1	Addendum #2	6/24/21
2	Addendum #5	7/15/21

Drawn By: KET
Design By: EDW
Checked By: CTS
Approved By: DFM
Date: 5/28/2021

Seal and Signature
REGISTERED ARCHITECT — DONALD F. MINKEMY — 015974 — THE STATE OF NEW YORK

Sheet Title:
MANOR AND ADDITION FIRST FLOOR PLAN

Drawing Number:
A101

Bid Documents

Project Number: 18006.47
Sheet:

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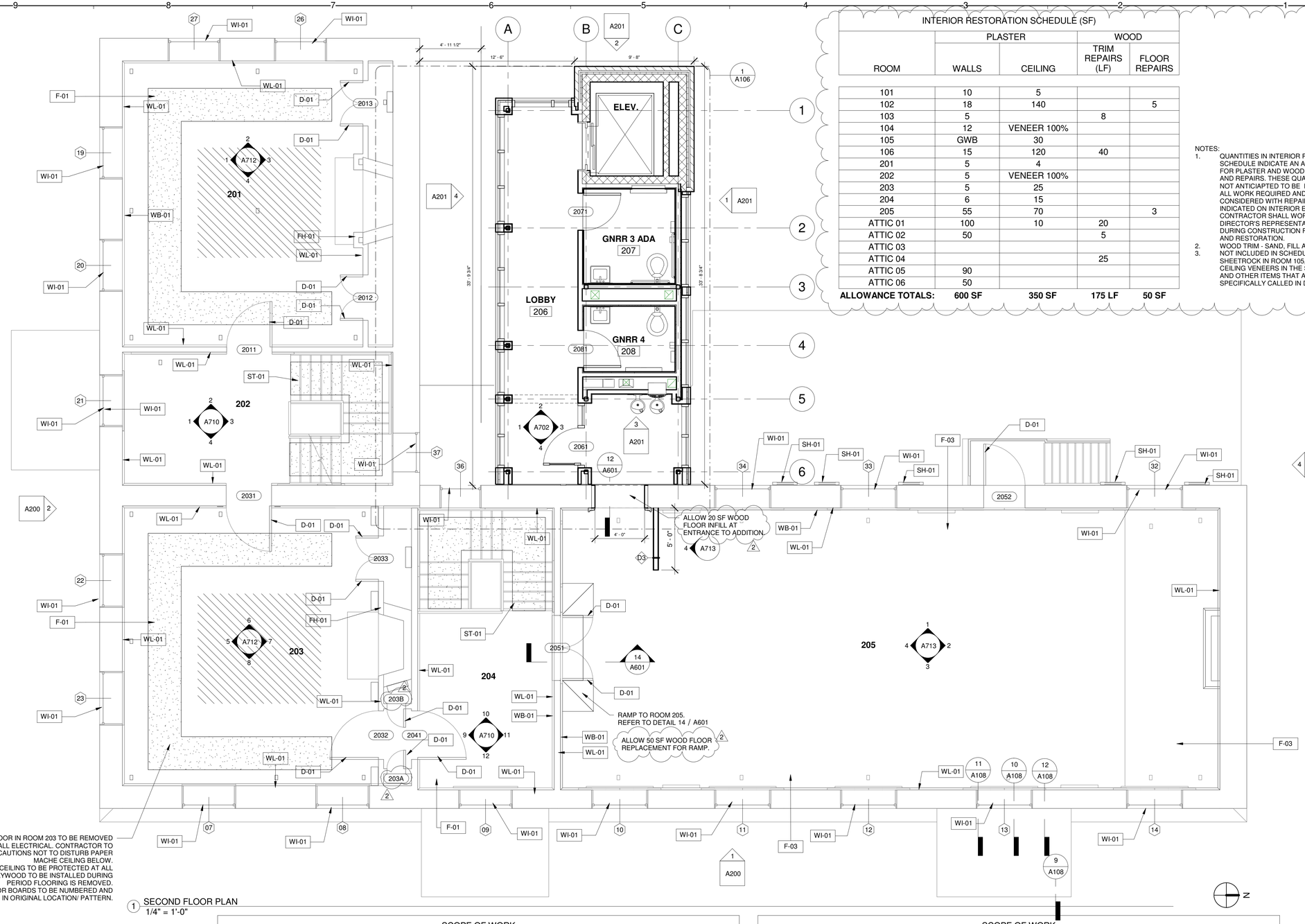

1 SECOND FLOOR PLAN
1/4" = 1'-0"

INTERIOR RESTORATION SCHEDULE (SF)				
	PLASTER		WOOD	
ROOM	WALLS	CEILING	TRIM REPAIRS (LF)	FLOOR REPAIRS
101	10	5		
102	18	140		5
103	5		8	
104	12	VENEER 100%		
105	GWB	30		
106	15	120	40	
201	5	4		
202	5	VENEER 100%		
203	5	25		
204	6	15		
205	55	70		3
ATTIC 01	100	10	20	
ATTIC 02	50		5	
ATTIC 03				
ATTIC 04			25	
ATTIC 05	90			
ATTIC 06	50			
ALLOWANCE TOTALS:	**600 SF**	**350 SF**	**175 LF**	**50 SF**

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2. WOOD TRIM - SAND, FILL AND PAINT 100%
3. NOT INCLUDED IN SCHEDULE: SHEETROCK IN ROOM 105, THE 100% CEILING VENEERS IN THE STAIRS HALLS AND OTHER ITEMS THAT ARE SPECIFICALLY CALLED IN DRAWINGS.

LEGEND

CARPET RUNNER

DO NOT LOAD AREA DURING CONSTRUCTION. PROTECT CEILING BELOW. LIVE LOAD NOT TO EXCEED 12LB/SF

NOTE: PAINT COLOR SCHEDULE TO BE PROVIDED BY OPRHP

SCOPE OF WORK		
NOTE	ITEM	DESCRIPTION OF WORK
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F-03	FLOORING	RESTORE ALL FLOORS. LIGHTLY SAND, STAIN AND VARNISH, 3 COATS POLYURETHANE. INSTALL CARPET RUNNER.
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SCOPE OF WORK		
NOTE	ITEM	DESCRIPTION OF WORK
ST-02	STAIRS / BALLUSTERS	AT VARNISHED WOODWORK, FILL AND STAIN APPLIED FILLER. DO NOT PAINT VARNISHED WOODWORK.
WB-01	WALL BASE / WAINSCOTTING / WOODWORK	COMPLETELY RESTORE TO SOUND CONDITION AND ORIGINAL PLANES AND PROFILES. REPLACEMENT COMPONENTS MUST REPLICATE THE SIZE, SHAPE AND PROFILE OF THE ORIGINAL. MATCH HISTORIC JOINERY DETAILS SUCH AS MORTISE AND TENON JOINTS.
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WL-01	WALLS	REPAIR, STABILIZATION AND RESTORATION OF CONVENTIONAL THREE PART LIME & GYPSUM PLASTERS OVER WOOD AND METAL LATH, INCLUDING AREAS ADJACENT TO SPECIFIED REMOVALS THAT WERE DAMAGED DURING CONSTRUCTION. PREPARE INTERIOR SURFACE FOR AND APPLICATION OF INTERIOR PAINT, 2 COATS.
WL-02	WALLS	REMOVE EXISTING PLEXIGLASS AND FURRING STRIPS (IN ROOM 105 ONLY), INSTALL NEW FURRING STRIPS, INSTALL GWB, PRIME AND PAINT
WL-03	WALLS	REPLICATE HISTORIC PANELING IN OPENING TO MATCH EXISTING. PAINT 2 COATS.

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Exhibit Designer:
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Project Location:
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Key Plan

REVISIONS

Rev No.	Description	Date:
1	Addendum #2	6/24/21
2	Addendum #5	7/15/21

Drawn By: KET
Design By: EDW
Checked By: CTS
Approved By: DFM
Date: 5/28/2021

Seal and Signature
REGISTERED ARCHITECT DONALD F. MINKEN 015974 THE STATE OF NEW YORK

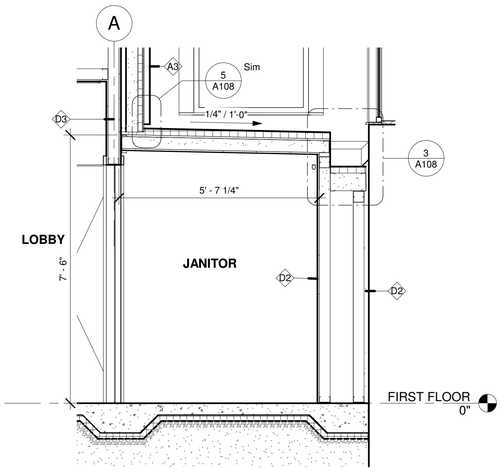
Sheet Title:
MANOR AND ADDITION SECOND FLOOR PLAN

Bid Documents

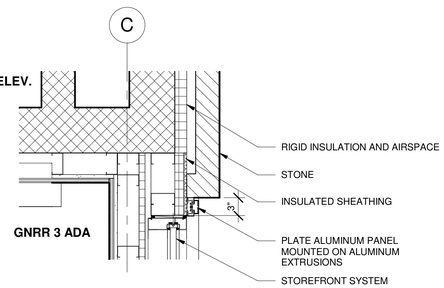
Drawing Number:
A102

Project Number: 18006.47
Sheet:

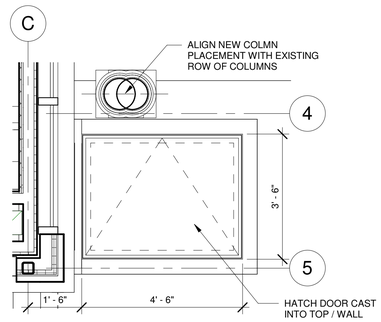
7/9/2021 10:37:52 AM



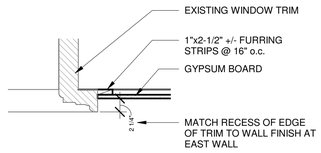
1 JANITOR ROOF SECTION
1/2" = 1'-0"



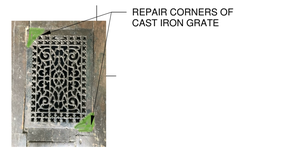
2 STONE METAL PANEL INTERFACE A
1" = 1'-0"



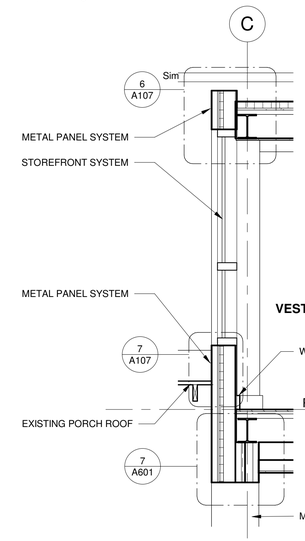
3 FLOOR ACCESS DOOR PLAN
1/2" = 1'-0"



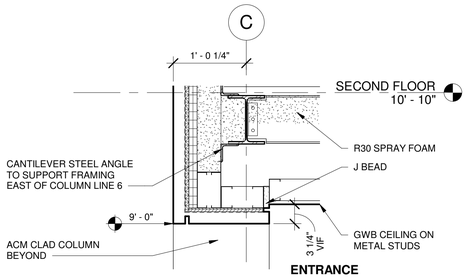
4 ROOM 105 DETAIL AT WINDOW
1" = 1'-0"



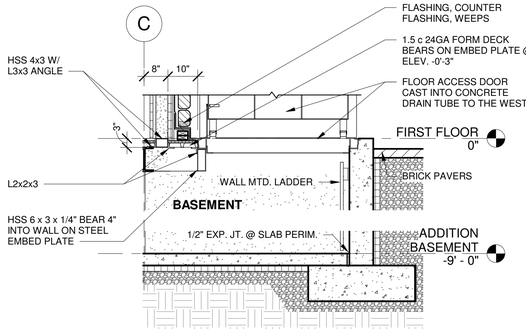
5 CAST IRON GRATE
1" = 1'-0"



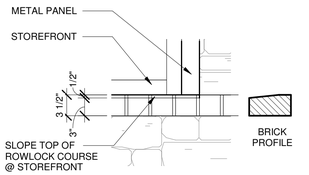
6 ENTRANCE OVERHANG & VESTIBULE SECTION
1/2" = 1'-0"



7 ENTRY SOFFIT DETAIL
1" = 1'-0"

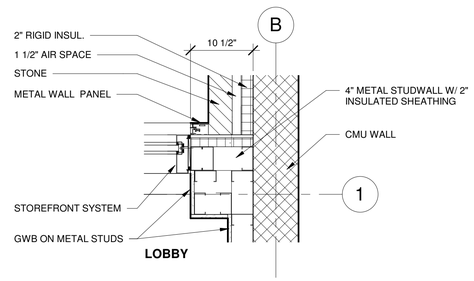


8 FLOOR ACCESS DOOR SECTION
1/2" = 1'-0"

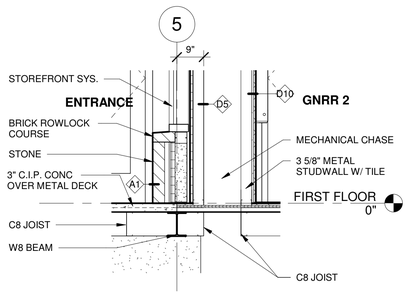


9 BRICK PROFILE @ GLAZING / PANEL
1" = 1'-0"

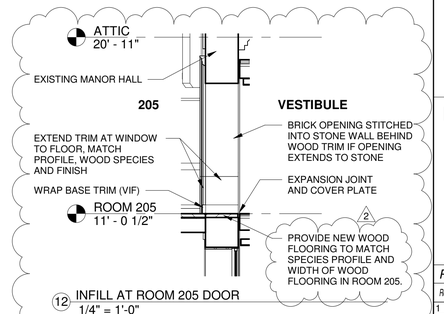
6 ENTRANCE OVERHANG & VESTIBULE SECTION
1/2" = 1'-0"



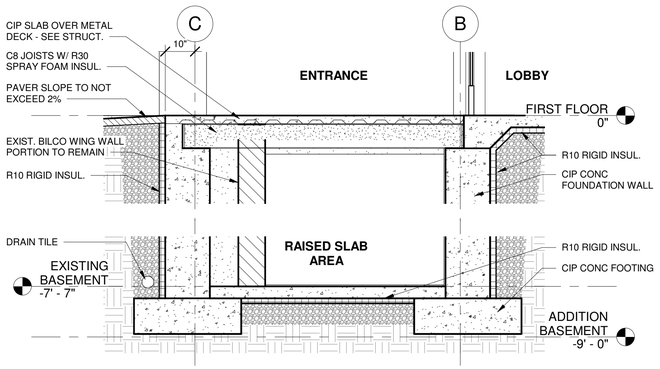
10 STONE METAL PANEL INTERFACE B
1" = 1'-0"



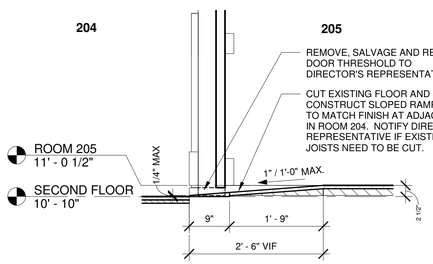
11 SECTION @ BASE OF MECHANICAL CHASE
1/2" = 1'-0"



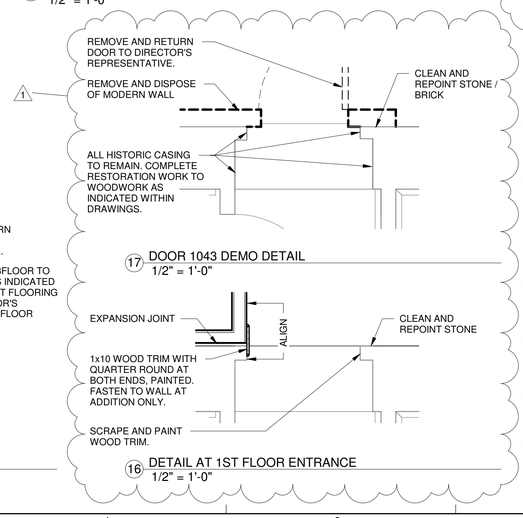
12 INFILL AT ROOM 205 DOOR
1/4" = 1'-0"



13 SECTION @ RAISED SLAB
1/2" = 1'-0"

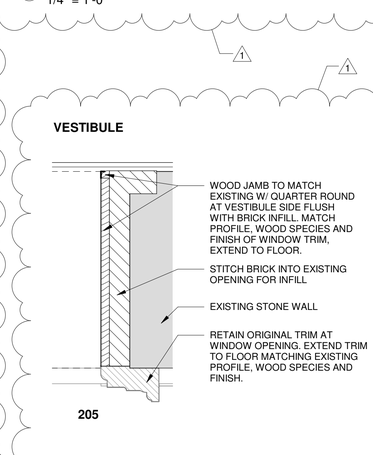


14 SECTION AT 205 RAMP -
3/4" = 1'-0"



17 DOOR 1043 DEMO DETAIL
1/2" = 1'-0"

16 DETAIL AT 1ST FLOOR ENTRANCE
1/2" = 1'-0"



15 ADDITION SECOND FLOOR WALL OPENING TRIM
1 1/2" = 1'-0"

7/9/2021 10:32:24 AM

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Governor Andrew M. Cuomo — Commissioner Erik Kulleseid

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Landscape Architects, Architects, Engineers, and Planners, P.C.

Engineer:
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Exhibit Designer:
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Boston, MA 02205-9761
amaze DESIGN

NYS OPRHP Taconic Region
9 Old Post Rd, PO Box 308
Staatsburg, New York 12580
(845) 889-4100
Regional Director: Linda Cooper
District Manager: Garrett Jobson

Project Title:
Philipse Manor Hall State Historic Site
Construction of Elevator/Restroom Addition, Interior and Exterior Rehabilitation and Site Enhancements

Project Location:
29 Warburton Ave, Yonkers, NY 10701

Key Plan

REVISIONS

Rev No.	Description	Date:
1	Addendum #2	6/24/21
2	Addendum #5	7/15/21

Drawn By: EDW
Design By: EDW
Checked By: CTS
Approved By: DFM
Date: 5/28/2021

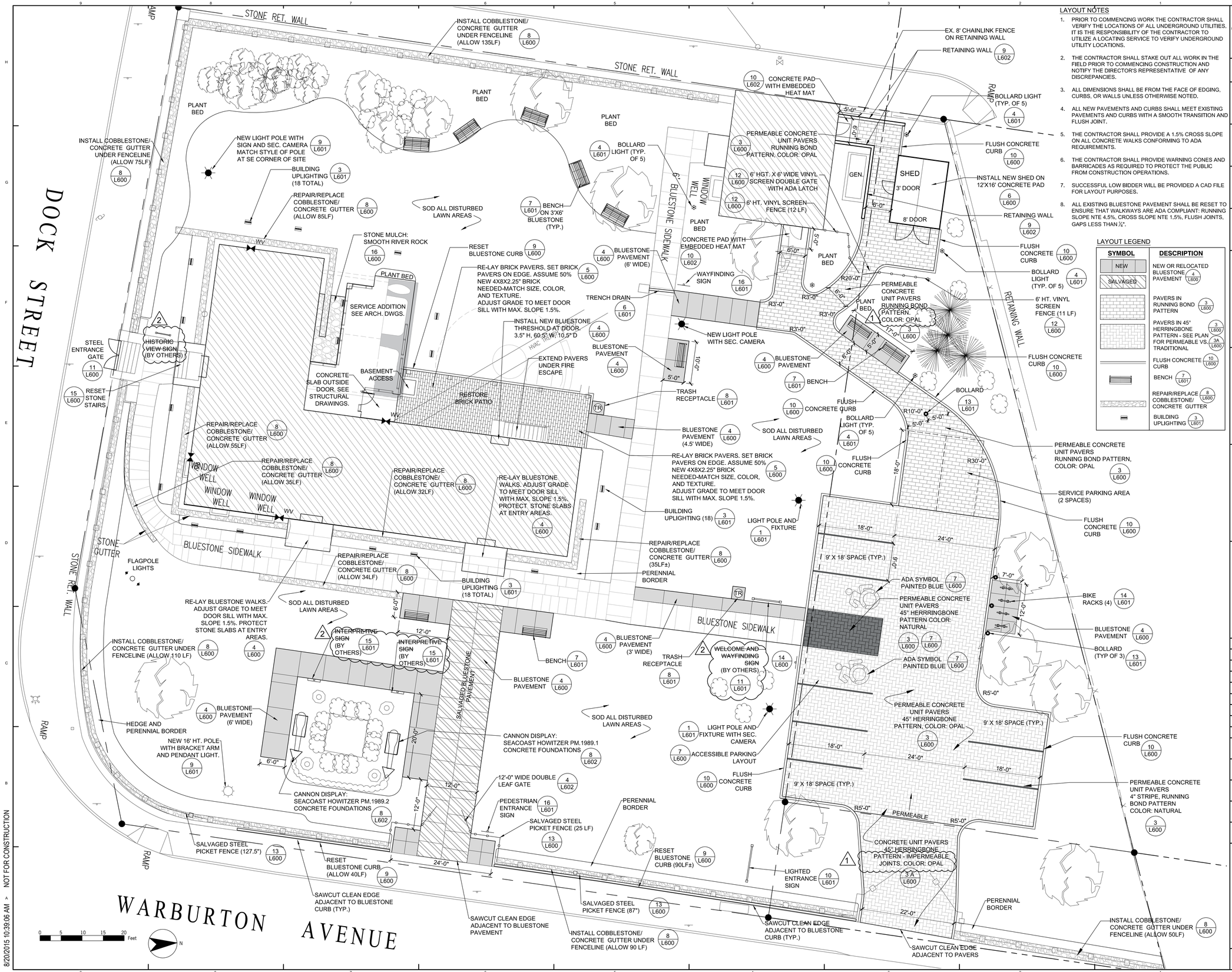
Seal and Signature
REGISTERED ARCHITECT DONALD F. MINIERI 015974 THE STATE OF NEW YORK

Sheet Title:
DETAILS

Drawing Number:
A601

Bid Documents

Project Number: 18006.47
Sheet:



LAYOUT NOTES

1. PRIOR TO COMMENCING WORK THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO UTILIZE A LOCATING SERVICE TO VERIFY UNDERGROUND UTILITY LOCATIONS.
2. THE CONTRACTOR SHALL STAKE OUT ALL WORK IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION AND NOTIFY THE DIRECTOR'S REPRESENTATIVE OF ANY DISCREPANCIES.
3. ALL DIMENSIONS SHALL BE FROM THE FACE OF EDGING, CURBS, OR WALLS UNLESS OTHERWISE NOTED.
4. ALL NEW PAVEMENTS AND CURBS SHALL MEET EXISTING PAVEMENTS AND CURBS WITH A SMOOTH TRANSITION AND FLUSH JOINT.
5. THE CONTRACTOR SHALL PROVIDE A 1.5% CROSS SLOPE ON ALL CONCRETE WALKS CONFORMING TO ADA REQUIREMENTS.
6. THE CONTRACTOR SHALL PROVIDE WARNING CONES AND BARRICADES AS REQUIRED TO PROTECT THE PUBLIC FROM CONSTRUCTION OPERATIONS.
7. SUCCESSFUL LOW BIDDER WILL BE PROVIDED A CAD FILE FOR LAYOUT PURPOSES.
8. ALL EXISTING BLUESTONE PAVEMENT SHALL BE RESET TO ENSURE THAT WALKWAYS ARE ADA COMPLIANT: RUNNING SLOPE NTE 4.5%, CROSS SLOPE NTE 1.5%, FLUSH JOINTS, GAPS LESS THAN ¼".

LAYOUT LEGEND

SYMBOL	DESCRIPTION
NEW	NEW OR RELOCATED BLUESTONE PAVEMENT 4 L600
SALVAGED	
	PAVERS IN RUNNING BOND PATTERN 3 L600
	PAVERS IN 45° HERRINGBONE PATTERN - SEE PLAN FOR PERMEABLE VS. TRADITIONAL 3 L600 / 3A L600
	FLUSH CONCRETE CURB 10 L600
	BENCH 7 L601
	REPAIR/REPLACE COBBLESTONE/ CONCRETE GUTTER 8 L600
	BUILDING UPLIGHTING 3 L601

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8/20/2015 10:39:06 AM

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Drawn By: ELG
Design By: ELG
Checked By: RJM
Approved By: DFM
Date: 05/28/2021

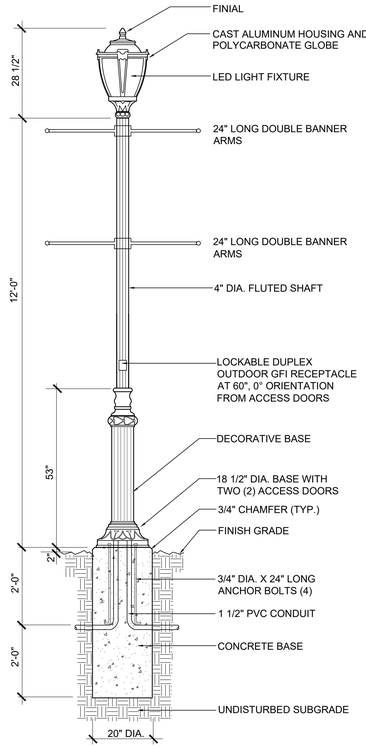
Seal and Signature
REGISTERED ARCHITECT DONALD F. MINKLER 015974 THE STATE OF NEW YORK

Sheet Title:
Layout and Materials Plan

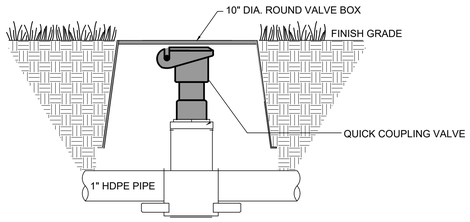
Bid Documents

Drawing Number:
L300

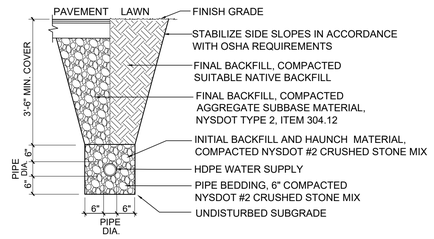
Project Number: 18006.47
Sheet:



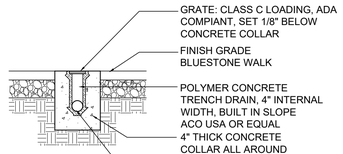
1 LIGHTPOLE AND FIXTURE
SCALE 1/2" = 1'-0"



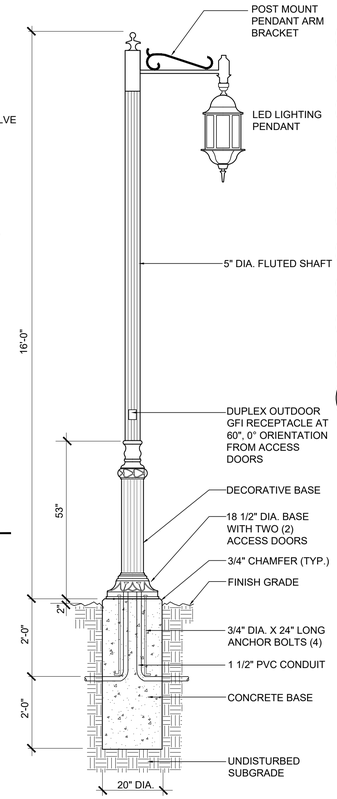
4 GROUND HYDRANT
SCALE 1/2" = 1'-0"



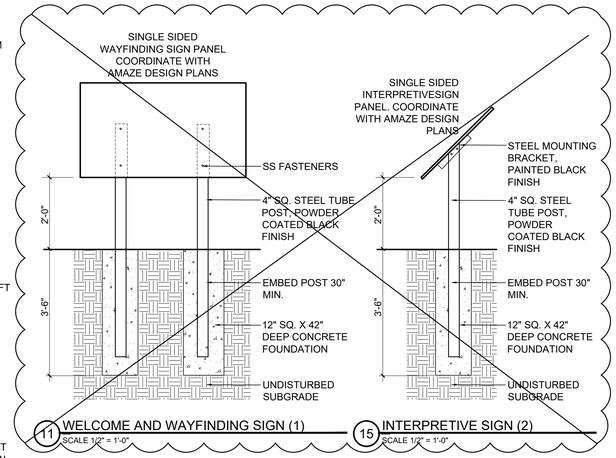
5 WATER SUPPLY
SCALE 1/2" = 1'-0"



6 TRENCH DRAIN
SCALE 1/2" = 1'-0"



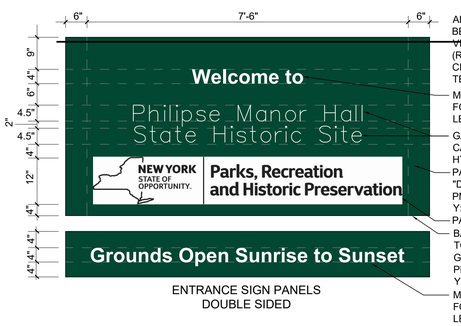
9 16' HGT. POLE AND PENDANT FIXTURE
SCALE 1/2" = 1'-0"



11 WELCOME AND WAYFINDING SIGN (1)
SCALE 1/2" = 1'-0"

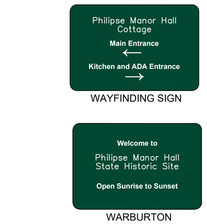
15 INTERPRETIVE SIGN (2)
SCALE 1/2" = 1'-0"

1 INTERPRETIVE SIGNAGE AND BASES BY OTHERS



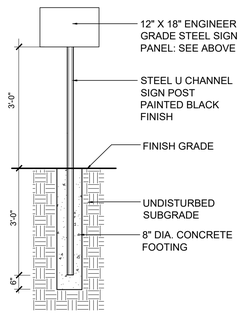
ENTRANCE SIGN PANELS
DOUBLE SIDED

12 ENTRANCE SIGN PANEL (1)
SCALE 1/2" = 1'-0"

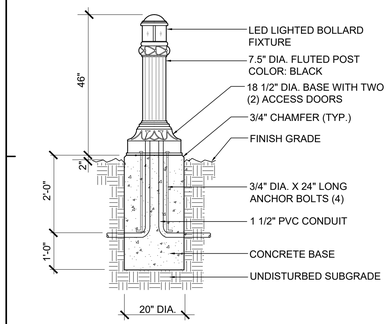


WAYFINDING SIGN

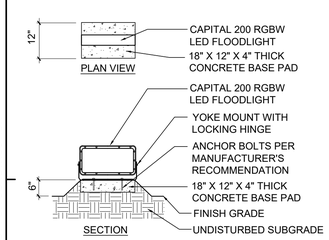
WARBURTON PEDESTRIAN ENTRANCE SIGN



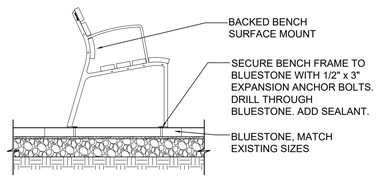
16 WAYFINDING SIGNS (2)
SCALE 1/2" = 1'-0"



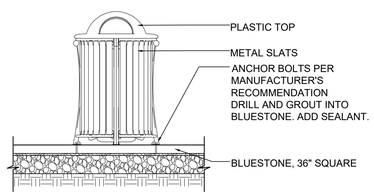
2 BOLLARD LIGHT
SCALE 1/2" = 1'-0"



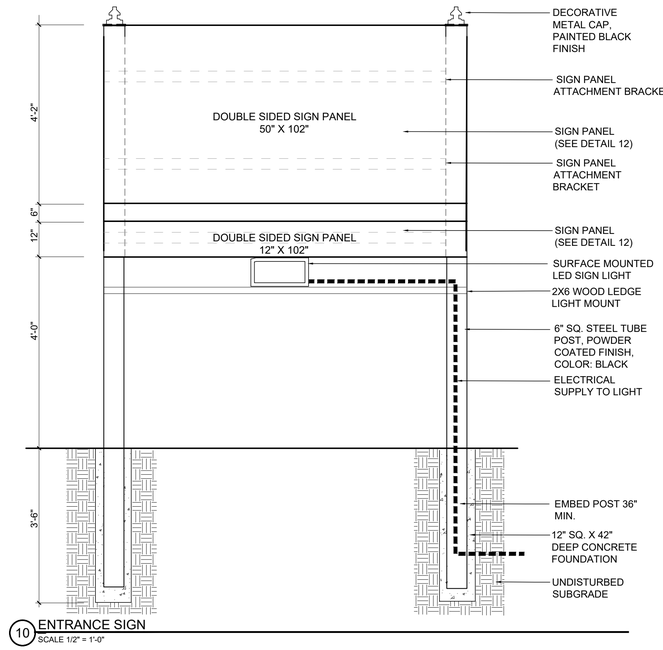
3 BUILDING UPLIGHTING
SCALE 1/2" = 1'-0"



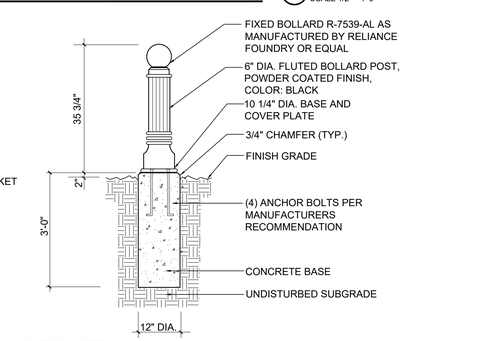
7 BENCH
SCALE 1/2" = 1'-0"



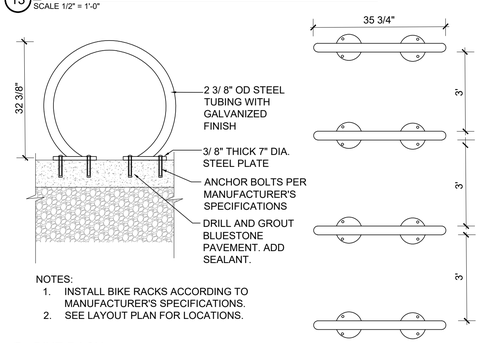
8 TRASH RECEPTACLE
SCALE 1/2" = 1'-0"



10 ENTRANCE SIGN
SCALE 1/2" = 1'-0"



13 BOLLARD
SCALE 1/2" = 1'-0"



NOTES:
1. INSTALL BIKE RACKS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
2. SEE LAYOUT PLAN FOR LOCATIONS.

14 BIKE RACK
SCALE 1/2" = 1'-0"

8/20/2015 10:39:06 AM > NOT FOR CONSTRUCTION

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Governor Andrew M. Cuomo
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SARATOGA ASSOCIATES
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Regional Director: Linda Cooper
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Project Title:
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Date: 05/28/2021

Seal and Signature
REGISTERED ARCHITECT DONALD F. MINKEVY 018974 THE STATE OF NEW YORK

Sheet Title:
Site Details

Bid Documents

Drawing Number:
L601

Project Number: 18006.47
Sheet:

KEYED NOTES, SITE PLAN

1. PROVIDE POWER AND CAT 5E DATA FOR CAMERA IN SEPARATE CONDUITS. COORDINATE W/ OWNER

NEW LIGHT POLE WITH SIGN AND SEC. CAMERA MATCH STYLE OF POLE AT SE CORNER OF SITE

BUILDING UPLIGHTING (18)

SERVICE ADDITION SEE ARCH. DWGS.

MUSEUM

NEW LIGHT POLE WITH SEC. CAMERA

CONCRETE PAD WITH EMBEDDED HEAT MAT

BOLLARD LIGHT (TYP. OF 5)

COTTAGE

SHED

CONCRETE PAD WITH EMBEDDED HEAT MAT

BOLLARD LIGHT (TYP. OF 5)

BOLLARD LIGHT (TYP. OF 5)

LIGHT POLE AND FIXTURE

BUILDING UPLIGHTING (18)

FLAGPOLE LIGHTS

BUILDING UPLIGHTING (18)

REPLACE 16' HT. POLE WITH BRACKET ARM AND INSTALL NEW PENDANT LIGHT.

TRANSITION FROM RGS TO PVC SCH80 APPROXIMATELY 10' FROM HAND HOLE

24"x24"x18" HAND HOLE PROVIDE RGS CONDUIT EXITING HAND HOLE TO MUSEUM

LIGHT POLE AND FIXTURE WITH SEC. CAMERA

LIGHTED ENTRANCE SIGN

UNDERGROUND ELECTRIC FROM STREET MANHOLE TO HANDHOLE PROVIDED BY UTILITY

24'-0"

DUCT BANK NOTES, SITE PLAN

1. NOT ALL DUCT BANKS MAY BE SHOWN. PROVIDE ALL DUCT BANKS IN ACCORDANCE WITH APPLICABLE PLANS AND DETAILS.
2. DUCT BANKS SHALL NOT BE LOCATED ABOVE OR BELOW OTHER SYSTEMS EXCEPT WHERE CROSSING. PROVIDE CROSSINGS AS NEAR TO PERPENDICULAR AS FEASIBLE.
3. DUCT BANKS AND STRUCTURES SHOWN ARE APPROXIMATE OR ANTICIPATED LOCATIONS. FIELD VERIFY ALL LOCATIONS AND ROUTE DUCT BANKS AS REQUIRED PER INTENT OF PLANS.
4. DUCT BANKS SHALL BE CONCRETE WHERE LOCATED BENEATH OR WITHIN 5' OF PAVED ROADS, ACCESS ROADS, PARKING LOTS, OR OTHER DRIVE AREAS.
5. PROVIDE ALL TRENCHING REQUIRED FOR DUCT BANKS.
6. PROVIDE COMPLETE SITE RESTORATION FOR ALL DUCT BANKS.

5/27/2021 3:56:29 PM

NEW YORK STATE OF OPPORTUNITY. **Parks, Recreation and Historic Preservation**

Governor Andrew M. Cuomo — Commissioner Erik Kulleseid

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Project Title:
Philipse Manor Hall State Historic Site
Construction of Elevator/Restroom Addition, Interior and Exterior Rehabilitation and Site Enhancements

Project Location:
29 Warburton Ave, Yonkers, NY, 10701

Key Plan

REVISIONS

Rev No	Description	Date:
1	Addendum No.3	7/13/21

Drawn By: TRL
Design By: TRL
Checked By: JWC
Approved By: TWB
Date: 5/28/2021

Seal and Signature

Sheet Title:
ELECTRICAL SITE PLAN

Drawing Number:
E004

Bid Documents

Project Number: 1299.029.001

Sheet:

SECTION 08 81 00
GLAZING

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes: Glass including, heat-treated glass, insulating glass units, silk-screened glass, spandrel glass, laminated glass and decorative glass.

B. Related Sections:
   1. Drawings, General and Supplementary Conditions of the Contract, Division 1 and the following specifications sections apply to this section.
   2. Section 08 41 13 – Aluminum-Framed Entrances and Storefronts

1.02 REFERENCES

A. United States
   1. ANSI Z97.1 – American National Standard for Glazing Materials Used in Buildings – Safety Performance and Methods Test.
   2. CSPC 16 CFR 1201– Safety Standard for Architectural Glazing Materials.
   3. ASTM C1036-16 – Standard Specification for Flat Glass.
   4. ASTM C1048 – Standard Specification for Heat-Treated Glass – Kind HS, Kind FT Coated and Uncoated Glass.
   5. ASTM C1172 – Standard Specification for Laminated Architectural Flat Glass.
   6. ASTM E1300 – Standard Practice for Determining the Minimum Thickness and Type of Glass Required to Resist a Specified Load.
   7. ASTM C1651 – Standard Test Measurement of Roll Wave Optical Distortion in Heat-Treated Flat Glass.
   8. ASTM C1376 – 15 - Standard Specification for Pyrolytic and Vacuum Deposition Coatings on Flat Glass
   9. NGA Glazing Manual: Glass Association of North America.
   10. NGA Sealant Manual: Glass Association of North America.
   11. NGA Laminated Glass Design Guide: Glass Association of North America
   12. ISO 9001:2015 Certification.
   13. US Green Building Council – LEED Pilot Credit 55: Bird Collision Deterrence

1.03 SYSTEM DESCRIPTION

A. Design Requirements
   1. Provide glazing systems capable of withstanding normal thermal movements, wind loads and impact loads, without failure, including loss due to ineffective manufacture, fabrication and installation, deterioration of glazing materials and other defects in construction.
   2. Provide glass thickness and strengths (annealed, heat-strengthened, tempered) required to meet or exceed the following criteria based on project loads and in-service conditions per ASTM E1300.
   3. Minimum thickness of annealed or heat-treated glass products is selected, so that worst-case probability of failure does not exceed the following:
   4. 8 breaks per 1000 for glass installed vertically or not over 15 degrees from the vertical pane and under wind action.
   5. 5 breaks per 1000 for glass installed 15 degrees from the vertical plane and under action of snow and/or wind.

1.04 SUBMITTALS

A. Submit 12-inch (305 mm) square samples of each type of glass indicated and 12-inch (305 mm) long samples of each color required for each type of sealant or gasket exposed to view.

B. Submit Gloss Measurement reading for specified acid-etched finish. Measurements should be obtained with a BYK Gloss micro gloss 60° meter.

C. Submit manufacturer's product sheet and glazing instructions.

D. Submit compatibility and adhesion test reports from sealant manufacturer, indicating materials were tested for compatibility and adhesion with glazing sealant, as well as other glazing materials including insulating units.

E. Submit reports from fabricated glass manufacturer indicating that the glass meets the requirements of any security test. Reports specified on the drawings.

F. Mock-ups – Refer to Division 8, Section "Aluminum Framed Curtain Walls", "Aluminum Entrances and Storefronts", "Aluminum Windows", "All-Glass Entrances and Storefronts", "Roof, and Skylight" and "Glazed Curtainwalls" for requirements applicable to mock-ups.

1.05 QUALITY ASSURANCE

A. Acid etched glass properties must comply with Walker's Textures® properties for Opaque, Velour, Satin or Satinlite acid etched glass products.

B. Minimum to maximum gloss ranges must comply with Walker's Textures® gloss range for Opaque, Velour, Satin or Satinlite acid etched glass products.

C. Comply with published recommendations of glass product manufacturers and organizations below, except where more stringent requirements are indicated. Refer to these publications for glazing terms not otherwise defined in this section or referenced standards.
   1. NGA Publications
   2. FGIA Publications

D. Safety glass products in the United States comply with CPSC 16 CFR 1201 for Category II materials.

E. Insulating glass products are to be permanently marked either on spacers or at least one insulating unit component with appropriate label of inspecting and testing agency listed below:
   1. United States – Insulating Glass Certification Council (IGCC)

F. Manufacturer to be ISO 9001:2015 Certified.

1.06 HANDLING, FABRICATION AND INSTALLATION

A. Comply with manufacturer's instructions. (To include current Handling, Fabrication and Installation guidelines go to

   http://walkerglass.com/pdf-page-guidelines-for-handling/ and to http://walkerglass.com/pdf-page-bird-friendly-booklet/ for current version).

B. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.

C. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.

D. Exercise care to prevent damage to glass and damage/deterioration to coating on glass.

1.07 PROJECT SITE CONDITIONS

A. Field Measurement: When construction schedule permits, verify field measurements with drawing dimensions prior to fabrication of glass products.

1.08 WARRANTY

A. To include warranty specifications please go to http://walkerglass.com/pdf-page-warranty/ or to http://walkerglass.com/pdf-page-bird-friendly-booklet/

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Manufacturer is used in the section to refer to a firm that produces primary glass or fabricated glass as defined in the referenced glazing standards.

2.02 MATERIALS

A. Acid-etched glass only. Simulated acid-etched, ceramic frit or other forms of coatings on the glass are not allowed.

B. MONOLITHIC ACID ETCHED GLASS

(Note: Select Acid Etched Finish(es) and corresponding thickness(es) as required for the project. Delete all other selections)

C. Glass Type: Walker Textures®, Montreal, Canada

D. Insulating Coated Glass:
   1. 1" (25mm) VE1-2M Insulating Coated Glass as manufactured by Viracon.
      a. Exterior Glass Ply: 1/4" (6mm) Clear Heat Treatment - AN, HS or FT
      b. Coating: VE-2M on #2 Surface
      c. Airspace: 1/2" (13.2mm) airspace finish - mill finish, black painted or stainless steel
      d. Silicone: gray or black
      e. Interior Glass Ply: 1/4" (6mm) Clear Heat Treatment - AN, HS or FT
   2. Performance Requirements
      a. Visible Light Transmittance: 70%
      b. Exterior (Vis-Out) Reflectance: 11%
      c. Winter U-Value: 0.29
      d. Summer U-Value: 0.26
      e. Shading Coefficient: 0.44
      f. Solar Heat Gain Coefficient: 0.38
      g. Light to Solar Gain Ratio: 1.84
   3. Spandrel Glazing to have Opaque Finish
      a. Clear [6mm]
   4. Glass Strength: (Annealed, Heat-Strengthened, Tempered)
      a. Etch Orientation: Position [1] (all finishes), [2] (all finishes), [1 & 2] (based on current offering)
      b. Monolithic Glass Performance: To include current performance data go to: http://walkerglass.com/pdf-page-product-specifications/
      c. United States Requirements
         1) ~~Heat-Strengthened (HS) float glass and~~ Tempered (FT) float glass shall comply with ASTM C1048, Type I, Class 1 (clear), Class 2 (tinted), Quality Q3.
   5. MONOLITHIC BIRD FRIENDLY ACID-ETCHED GLASS
      a. Glass Type: Walker Textures® AviProtek® T, Montreal, Canada (Transparent UV markers on position 1)
         1) Patterns [717] on [position 1]
         2) [Clear glass 6mm] [Optiwhite glass 6mm] Provide sample for Director's Representative.
         3) Threat factor based on Dr. Daniel Klem’s field experiment: 31 (Pattern 713)

E. LOW-E COATED ACID-ETCHED GLASS

(Note: Select Acid Etched Finish(es) or patterns and corresponding glass types as required for the project. Delete all other selections)

1. Position 2 - Glass Type: Solarban® Solar Control Low-E Glass by Vitro Glass

a. [Solarban® 60 VT] [Solarban® 70 VT] [Solarban® 67 VT] [Solarban® 72 VT] [Solarban® 90 VT]
b. Monolithic Glass Performance: The Walker Textures® acid-etched finishes do not have any significant impact on solar performance values. Therefore, values will be similar to glass without acid-etched glass.
c. For complete specifications on Solarban® Solar Control Low-E Glass please contact the customer service department at Vitro Glass

PART 3 - EXECUTION

3.01 PREPARATION

A. Protection
   1. Handle and store product according to manufacturer's recommendations.

3.02 INSTALLATION

A. Install products using the recommendations of the manufacturers of glass, sealants, gaskets and other glazing materials, except where more stringent requirements are indicated, including those in the "NGA Glazing Manual."

3.03 CLEANING

A. POST INSTALLATION CLEANING AND MAINTENANCE

B. To prevent permanent damage and maintain visual and aesthetic quality, acid-etched glass products should be protected during construction and must be properly cleaned after installation and as part of routine maintenance.

END OF SECTION

SECTION 10 14 01
BANNER ARM AND BRACKET

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Straight arm tension bracket system

1.02 RELATED SECTIONS

A. Section 04 90 00 – Masonry Restoration

1.03 SUBMITTALS

A. Submit under provisions of Section 01 30 00 - Administrative Requirements.

B. Product Data: Manufacturer's data sheets on each product to be used, including:
   1. Preparation instructions and recommendations.
   2. Storage and handling requirements and recommendations.
   3. Installation methods.

C. Shop Drawings: Include details of construction, and relationship with adjacent construction.

D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches square representing actual product, color, and patterns.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualifications: Minimum 5 year experience manufacturing similar products.

B. Installer Qualifications: Minimum 2 year experience installing similar products.

C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
   1. Finish areas designated by Director’s Representative.
   2. Do not proceed with remaining work until workmanship is approved by Director’s Representative.
   3. Remodel mock-up area as required to produce acceptable work.

1.05 PRE-INSTALLATION MEETINGS

A. Convene minimum two weeks prior to starting work of this section.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.

B. Handling: Handle materials to avoid damage.

1.07 PROJECT CONDITIONS

A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.08 SEQUENCING

A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.09 WARRANTY

A. Warranty: Submit manufacturer's standard limited one year warranty.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. Acceptable Manufacturer: Sign Bracket Store, Tel: 1-888-919-7446; Email: sales@signbracketstore.com ; Web: https://www.signbracketstore.com

B. Or approved equal.

C. Requests for substitutions will be considered in accordance with provisions of Division 01

2.02 BANNER ARM AND BRACKET

A. Straight arm tension bracket system
   1. Material: Stainless Steel Round Banner Arms
   2. Length: 32”
   3. Height: 6”
   4. Width: 6”
   5. Banner size: 30”
   6. Mounting Type: Wall

PART 3 EXECUTION

3.01 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Director's Representative of unsatisfactory preparation before proceeding.

3.02 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.03 INSTALLATION.

A. Install in accordance with manufacturer's instructions, approved submittals, and in proper relationship with adjacent construction.

B. Install brackets in mortar joints only.

3.04 CLEANING

A. Clean installed system and remove excess materials.

B. Deliver any unused cable and fittings to Director's Representative.

3.05 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 28 16 00
INTRUSION & FIRE SYSTEM SPECIFICATION

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:

B. System Performance Requirement

C. Functional Requirement

D. Product-Equipment and Components.

E. Initiating Devices

F. Instruction

G. Execution, System Testing, Demonstration and Training

1.02 REFERENCES

A. American National Standard Institute (ANSI) Security Industry Association (SIA)

B. Underwriters Laboratories (UL)
   1. UL 609 - Local Burglar Alarm Units and Systems
   2. UL 611 - Central Station Burglar-Alarm Units
   3. UL 684 - Local, Central Station, and Remote Station
   4. UL 1023 - Household Burglar-Alarm System Units
   5. UL 1610 – Central – Station Burglar-Alarm Units
      a. Federal Communications Commission (FCC)
      b. Code of Federal Regulations Title 47 – Part 15 – Radio Frequency Devices
      c. Code of Federal Regulations Title 47 – Part 68 – Connection of Terminal Equipment to the telephone Network

C. NFPA Standard 70: National Electric Code.

D. Life Safety Fire Code of New York State.

1.03 DEFINITIONS

A. Controller: A microprocessor-controlled peripheral control unit

B. Intrusion Zone: A space or area for which an intrusion must be detected and uniquely indentified, the sensor or group of sensors assigned to perform the detection, and any interface equipment between sensors and communication link to central-station control unit.

C. Notification Appliance Circuit: (NAC): A circuit or path directly connected to a notification appliance.

D. Initiating Device Circuit (IDC): A circuit to which automatic or manual initiating devices are connected where the signal received does not identify the individual device operated.

1.04 SYSTEM DESCRIPTION

A. An addressable, microprocessor-controlled capable of both intrusion/fire detection, monitoring and notification system with automatic reporting to central monitoring station.

B. Control Panel capabilities:
   1. Two- (4-8)) – partition, UL fire and burglary control panel that support up to 128 addressable hardwired zones, polling loop, and wireless addressable zones.

a. The Control Panel shall provide a means of reporting all asset detection alarms to via direct connection to the alarm monitoring panel.

2. Provide supervision of notification appliance output circuits (NAC), RF receivers, and relay modules.
   a. The control shall provide the ability to schedule time-driven events,
   b. and allow certain operations to be automated by pressing a single button.
      1) A master partition shall used strictly to assign keypads for the purpose of viewing the status of all partitions at the same time (master keypads)
      2) Assignable zone/address
      3) Assignable by keypad
      4) Assignable by relay to one or all partitions
      5) Ability to display burglary, panic and/or trouble conditions at all other partitions' keypads
      6) Certain system options selectable by partition, such as entry/exist delay and subscriber account number.
      7) Control panel shall be the main point of programming, monitoring, accessing, securing, and troubleshooting. Refer to American National Standards Institute (ANSI) CP-01 Control Panel Standard-Feature for False Alarm Reduction.

1.05 FUNCTIONAL REQUIREMEMTS

A. Supervision: System components shall be continuously monitored for normal, alarm, supervisory and trouble conditions. Indicate deviations from normal conditions at any location in system. Indication includes identification of device or circuit in which deviation has occurred and whether deviation is an alarm or malfunction.

B. 1. Alarm Signal: Generate local alarm as well as dial out to the central monitoring station with the activated device ID/address, actuate audible onsite and visual alarm devices.

C. 2. Trouble Condition Signal: Distinct from other signals, indicating that system is not fully functional. Trouble signal shall indicate system problem such as low battery or failure, open and shorted transmission line conductors, or controller failure.
   1. 3. Supervisory Condition Signal: Distinct from other signals, indicating an abnormal condition as specified for the particular device or controller.
      a. System shall automatically reboot program without error or loss of alarm status or alarm data after any system disturbance
      b. Control Panel capabilities:
         1) Two- (4-8)) – partition, UL fire and intrusion control panel that support up to 128 addressable hardwired zones, polling loop, and wireless addressable zones.

D. Provide supervision of two (2) notification appliance output circuits (NAC), RF receivers, and relay modules.
   1. Control panel shall be the main point of programming, monitoring, accessing, securing, and troubleshooting. Refer to American National Standards Institute (ANSI) CP-01 Control Panel Standard-Feature for False Alarm Reduction.
   2. Control, panel shall utilize a Multifunctional Keypad, Input and Output Modules for expansion of alarm zones, interfacing with additional security subsystems, programming and monitoring.

a. Interactive Phone Module – The control shall support the Modules, which permit access to the security system in order to perform the following functions:
   1) Obtain system status information
   2) Arm and disarm the security system.
   3) Control relays
b. Communications Formats – The Control Panel Digital Communicator shall support the following format for the primary and secondary central station receivers:
   1) Contact ID
   2) High Speed and Express
      (a) Back-up reporting – The system shall support backup reporting via the following:
         (1) Secondary phone line
c. Cross-Zoning Capability – Helps prevent false alarms by preventing zone from going into alarm unless its cross-zone is also faulted within five minutes.

1.06 SUBMITTALS

A. Submit product data sheets for all equipment, motion detector, break- glass detector, door contacts, keypad, wiring devices, device mounting, controller, power supply, cabinet, etc.

B. Submit detailed shop drawings, including dimensioned plans, elevations, details schematic and point-to-point wiring diagrams and descriptive for all component parts.

1.07 MAINTENANCE

A. Service Availability: A fully equipped service organization capable of guaranteeing response time within 4 hours to service calls shall be available 24 hours a day, 7 days a week to service the completed Work.
   1. Provide on-site service for a period of one (1) year from date of physical completion of the Contract.
   2. Normal service shall be defined as minor repairs and/or adjustments. Service of this nature shall be provided at no cost to the Customer during normal business hours, which are between 8:00 AM and 5:00 PM, Monday through Friday.
      a. For service calls requested by phone before 11:00 AM on a weekday, service shall occur on a same-day basis.
      b. Spare Parts:
         1) Two motion sensors
         2) A pair of door contacts

1.08 2 PRODUCTS

1.09 SYSTEM CONTROL PANEL

A. Security Control Panel:
   1. Select UL listed fire and security control panel upon its capacity and capabilities to meet the specific requirements of the system.
   2. Permanently record the installed software and firmware version number within the control panel
   3. Alphanumeric keypads that individually identifies each zone and device.
      a. Back-lit LCD with minimum 32 –character display.
         1) Do not load alarm circuit outputs to more than 70 percent of the control panel power limited rating.
            (a) Ampere-hour capacity to operate under load conditions specified in SYSTEM PERFORMANCE REQUIREMENT.
               (1) Battery charger with charging characteristics as recommended by battery manufacturer

(2) Meters for battery voltage and charging current

(b) Transient surge and lighting protection for initiating circuits, notification device circuits, and AC power conductors entering and leaving the intrusion control panel.

(1) Notification line Circuits and Initiating Device Circuits: UL listed to Standard

(2) AC Power Conductors

b. Remote Auxiliary Power Supplies:

1) Control switches in accessible behind hinged and locked door.

2) Input circuit suitable for operation on 120Vac ac primary (main) power supply.

(a) Continuously monitor all field wires for earth ground conditions.

(b) Provide very low-frequency sweep earth ground fault detection on addressable modules

(c) 12Vdc Secondary (Standby) Power Supply: Sealed, lead-acid gelled electrolyte or maintenance free lead-calcium batteries:

(1) Ampere-hour capacity to operate under load conditions

(d) Supervised power supply, battery and all circuits.

c. Remote Keypad/Control Centers (KP/CC's)

1) Surface mounted enclosure

2) Back-lit LCD capable of displaying all system points/zones/address.

d. Siren/Strobe Unit

1) Unit shall be compact design indoor or outdoor surface mounted voltage driven sirens. Operating voltage: 6 - 14 VDC Sound output: 103 dB @ 12 VDC
Current draw: 400 mA @ 12 VDC.

1.10 LOOP ISOLATION MODULES

A. Provide Loop isolation modules to isolate open and short circuit faults on the system data line-polling loop.

1. Each isolation module shall obtain 12volt DC operating power from the auxiliary power supply.
2. All isolation modules shall be properly connected and grounded.
3. The loop isolation module shall serve to isolate the extension-polling loop from the input-polling loop. Do not remove or disconnect the jumper that would inhibit or prevent this function.

1.11 LOW TEMPERATURE SENSOR

A. The sensor shall allow user to set a high and low temperature standards.

1. If the temperature goes above of below the pre-set standards, the unit will signal (via Form A relay) the control panel.
2. Operating voltage 8.5 – 16VDC. 35mA, 12VDC

1.12 INITIATING DEVICES

A. Intrusion detection devices that receive their power from the initiating device circuit of the intrusion control unit shall be listed for use with the control unit. Wall mounted motion Sensors (Zoned/Addressable):

1. General: motion detectors, door contacts, door transmitters, keypad, low temperature sensor, break-glass detectors, alarm siren and receivers.
2. Motion detectors:

3. Hardwired/Wireless Dual Tec
   a. Dual technology sensor requirements: Both the microwave and PIR sections shall activate simultaneously to generate an alarm.

B. b. Door transmitter/Door contacts
   1. Wireless surface mounted witches shall be used on doors as directed. Switches shall activate when disturbance in the magnetic field occurs.

C. c. Keypads
   1. LCD keypads complete with larger two- line 32-character liquid crystal display (LCD) to provide plain language programming instructions, operating instructions and display of all alarms and supervisory trouble conditions.

D. f. Low Temperature Sensor
   1. Unit shall activate when the temperature drops below the set point, this shall trigger notification (via Form A relay.)

E. g. Hardwired/Wireless Motion detectors and doors contacts
   1. Unit shall be fully supervisory
      a. h. Hardwired/Wireless Glass Break detector

PART 3 EXECUTION

2.01 INSTALLATION

A. All connections throughout the system shall be soldered, crimped by means of AMP lugs, fastened with screw type terminals, made by spring tension clip “punch block” terminals or made by standard plugs and receptacles. Each wire twisted pair or cable shall be tagged throughout the site with EZ markers, with the area number it serves. All conductors in terminal cabinets shall be carefully formed and harnessed in a workmanship like manner.

B. All systems cabling shall be installed in conduit except where wiring occurs above accessible ceilings. Wiring not in conduit shall be UL listed plenum type cable. All wiring in walls shall be in conduit. All conduits shall be run concealed.
   1. Install wiring according to the following:
   2. NECA 1.
   3. TIA – 570-B.
      a. Where architecture precludes concealed conduits, run conduits behind duct work on beams or trusses and minimize the exposure to view. Identify on the submittal drawings all locations where conduits must run exposed.
      b. All open or exposed wire to be secured to structure at intervals not to exceed 8ft.
      c. Locate motion sensors to provide optimum coverage of the space and mount sensors in corner of space where possible. All sensors shall be installed to manufactures specifications and in the “corner” of the room for maximum detection of intrusion. Submittal drawings to show exact locations and heights of all sensors.

C. Grounding of conductors shall be done along the shortest and straightest paths possible, unless otherwise indicated or require by Code.
   1. Control Panel and transient detection devices shall be grounded in accordance with the manufacturer's recommendations

2.02 PROGRAMMING

A. Provide all system programming including the necessary product handlers so that all parameters are entered into the system and the annunciator displays a text which is customized to the facility.

B. Program and connect the intrusion system to site phone using RJ31 for a complete and operational system.

2.03 TESTING

A. Test all cabling for opens, shorts, and ground faults.

B. Actuate all motion, door sensing devices and verify that the system performs as specified.

C. The Data/Communications loops shall be opened in at least two (2) locations to check for the presence of correct supervisory circuitry.

D. Before the contract shall be considered complete, the Contractor shall program the system per the Owner requirements and demonstrate the performance of the system in the presence of the Museum Security Specialist. The Contractor shall provide all test and reception equipment required to prove the performance as outlined.

E. Submit written report of test results signed by Company Field Advisor and the Site's Representative as well as a Record of Completion.

F. Upon completion of the security system the contractor shall test all devices to signal alarm.
   1. Make the following tests:
      a. Test the system in accordance with NFPA 730, 731 & 732, Chapter 8 for hold-up/panic alarms.
         1) Follow test methods stated in Section 10.4.3 of NFPA 731.
         2) Record results on NFPA 731 Record of Completion.

2.04 INSTRUCTION

A. Provide a minimum of Two (2) four-hour periods to instruct site's personnel in the proper operation of complete security system. The first instructional period shall be held prior to final acceptance of the system. The second instructional period shall be within a period of one year after final acceptance of the security systems.

B. WARRANTY

C. The entire system shall be warranted free of mechanical or electrical defects for a period of one (1) year after notice of completion. Any material showing mechanical or electrical defects shall be replaced promptly at no expense.

D. Three (3) complete sets of As-Built plans with all Alarm Point of Protection devices and point numbers listed.

END OF SECTION

NEW YORK STATE OF OPPORTUNITY. Parks, Recreation and Historic Preservation

Plan Holder's List

Contract Number: D005805
Project Name: Interior and Exterior Rehab
CTS ID: TA-PM-2022-001

BIDDERS

#	First Name	Last Name	Bidder Company Name	MWBE (Y/N)	SDVOB (Y/N)	Address 1	Address 2	City	State	Zip	Phone	Fax	Email	Contact Confirmed (Y/N)
1	Priya	Sandhir	Pierotti Corp			84 Calvert Street	Suite 2B	Harrison	NY	10528	914-233-9990	914-259-8978	priyas@pierotticorp.com	
2	Zelmy	Velastegai	Icon Construction Group Inc			1 New King Street	Suite 108	White Plains	NY	10604	914-288-0018	914-358-1858	zvelasteguie@iconcginc.com	
3	Gerald	Morgan-Brown	Wu Associates Inc			100 Gaither Drive	Suite C	Mount Laurel	NJ	08054	856-857-1639	856-857-1729	gerald.morgan-brown@wuassociates.com	
4	Evan	Paton	Consigli Construction			199 West Road		Pleasant Valley	NY	12569	845-476-2737		dfischer@consigli.com	
5	David	Furfaro	Vinco Builders LLC			5 Veschi Lane		Mahopac	NY	10541	845-520-9566 x101		adicob@vincobuilders.com	
6	Ethan	Schulman	Veritas Construction NY			85 East 10th Street	Suite 6E	New York	NY	10003	917-400-4980	212-731-4803	veritasconstructionny@gmail.com	
7	Andria	Sartor	JK Kokolakis			1500 Ocean Avenue	Suite A	Bohemia	NY	11716	845-230-7300		asartor@jkokolakis.com	
8	Trish	Nevin	Stalco Construction Inc			1316 Motor Parkway		Islandia	NY	11749	631-254-6767	631-254-8015	estimating@stalcoconstruction.com	
9	Richard	Hamilton	Andron Construction Corp			21 Anderson Lane		Goldens Bridge	NY	10526	914-301-9120		rhamilton@androncc.com	
10	Greg	Shmulevich	Anjac Enterprises Inc			310 Nassau Avenue		Brooklyn	NY	11222	718-387-4881		anjace@aol.com	
11	John	Raggio	Prestige Stone & Pavers Corp			15-32 College Point Boulevard	2nd Floor	College Point	NY	11356	718-225-1212	718-225-1242	prestigestoneandpavers@gmail.com	
12	Cynthia	Kuehn	Worth Construction Company Inc			24 Taylor Avenue		Bethel	CT	06801	203-797-8788		kuehnc@worthconstruction.com	
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NON-BIDDERS

1	Eden	Rodriguez	Dodge Data & Analytics			2860 S State Highway 161	Suite 160 #501	Grand Prairie	TX	75052	413-893-0645		eden.rodriguez@construction.com	
2	Henri	Bradshaw	ConstructConnect			3825 Edwards Road	Suite 800	Cincinnati	OH	45209	513-458-5815		henri.bradshaw@constructconnect.com	
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