

December 7, 2021

**NRHS ANNEX ROOF REPLACEMENT
For
North Rockland Central School District
MSA File No. 41056**

NOTICE TO BIDDERS

Re: ADDENDUM NO. 1

THE FOLLOWING REVISIONS TO THE PROJECT MANUAL AND OR THE DRAWINGS REFERENCED HEREIN SHALL BECOME A PART OF THE CONTRACT DOCUMENTS AND SHALL SUPERSEDE ANY PRIOR OR CONFLICTING INFORMATION.

- 1) SEALED BIDS will be received until 2:00 P.M. in the office of facilities, on the 10th of December, 2021, at the North Rockland Central School District, 65 Chapel Street, Garnerville, NY 10923, at which time and place they will be publicly opened and read. Faxed bids will NOT be accepted. Bids must be in sealed envelope(s) approximately labeled with the following label:
“North Rockland High School Annex Roof Replacement – Roof Construction”
- 2) Add Alternate No 6. For work to be performed during second shift. Use attached revised Bid Form 03000R Roofing Construction Bid Form, 012300 Alternates, and A-000 Cover Sheet.
- 3) Item 1.02.A Time of Completion has been revised. Use attached revised Bid Form 03000R Roofing Construction Bid Form.
- 4) The small roof area at the Southwestern corner of the Annex 1 Story section is part of Alternate No. 1 work, not base bid. The Alternate Roofing Area Plan has been revised to clarify this. Use revised drawing A-100 Annex Roof Plan.
- 5) Various walls require raising of weeps. Note 4 and areas tagged to detail 4/A-501 on drawing A-100 Annex Roof Plan show areas of weep raising. Drawing A-100 Annex Roof Plan has been revised to further clarify areas the need weep raising. The scope of weep raising fall under base bid and alternate work and correspond to the Alternate Roofing Area Plan on A-100. Use attached revised drawing A-100 Annex Roof Plan.
- 6) Additional pipe raising detail is provided. Detail 10/A-500 has been added and coordinated with drawing A-100. Use attached revised drawing A-500 Roof Details.
- 7) See attached ASB-100 ACM Locations Roof Plan. The drawing is listed in the list of drawings but the sheet was not attached in the original bid set.

END OF ADDENDUM NO. 1

PART 1 - GENERAL

1.01 GENERAL

A. Pursuant to, and in compliance with, your Advertisement for Bids and the Information to Bidders relative thereto and all of the Contract Documents, including any Addenda issued by the Architect and mailed to the undersigned prior to the opening Bids, whether received by the undersigned or not, we

_____ (CONTRACTOR NAME)

hereby proposes to furnish all plant, labor, supplies, materials and equipment for North Rockland High School Annex Roof Replacement at the North Rockland Central School District, as required by and in strict accord with the applicable provisions of the Drawings and Specifications entitled "North Rockland High School Annex Roof Replacement for the North Rockland Central School District, 65 Chapel Street, Garnerville, NY 10923", all to the satisfaction and approval of the Architect and the Owner in accordance with the terms and conditions of the Contract Documents for the following prices:

1. _____ Dollars
(Write out in words)
(_____) Base Bid for all work.

_____ Consecutive Calendar Days for substantial completion _____ with base bid.

The undersigned further proposes and agrees hereby to commence work with an adequate force and equipment immediately after being notified in writing to do so, and to achieve substantial completion for all work as required by the plans and specifications within the number of consecutive calendar days as itemized above.

A. Annex Roof Replacement General Construction (\$ _____)
at North Rockland High School

B. ALTERNATES

The undersigned further proposes and agrees that, should any of the following alternates be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall be increased or decreased by the amounts indicated below.

Alternate No. 1 High School Annex Gym Roof Replacement (\$ _____)

Alternate No. 2 Annex Gym 1 Story Roof Replacement and Masonry Reconstruction (\$ _____)

Alternate No. 3 High School Annex Gym Steam Absorption Rooftop Cooling Tower Removal (\$ _____)

Alternate No. 4 Replace Roof Drain Bowl and Strainer and 25' of Pipe/Insulation. Connect to buildings storm water drainage system. Provide Price Per Drain. (\$ _____)

Alternate No. 5 Provide Retro-fit Roof Drain and Replace 25' of Pipe/Insulation at Existing Location. Patch/Repair Existing Ceiling Below. Provide Price Per Drain (\$ _____)

Alternate No. 6 Provide a price for work to be performed during second shift. (\$ _____)

C. ALLOWANCES

The undersigned further proposes and agrees that, should any of the following allowances be accepted and included in the Contract, the amount of the Base Bid, is hereto stated, shall include the amounts indicated below.

Allowance No. 1: Include an allowance for \$10,000 for testing and asbestos monitoring (\$ 10,000)

1.02 TIME OF COMPLETION

A. The anticipated start date for work is June 27th, 2022. Substantial completion will be August 12th, 2022. The punch list work will be completed by September 2nd, 2022 and performed after school hours. It is understood that the current supply chain and market conditions are causing unforeseen changes in cost & schedule. If the above dates cannot be met, provide your best anticipated dates.

Anticipated Start Date _____
 Anticipated Date to receive materials _____
 Anticipated Consecutive Days of Construction _____
 Anticipated Date of Substantial Completion _____
 Anticipated Final Completion Date _____

1.03 BID SECURITY

A. Attached hereto is Bid Security in the amount of five percent (5%) of the Base Bid.

1.04 UNIT PRICES

A. For work to be supplied or omitted at the price rate stipulated herein should the volume of work be increased, the following unit prices will be established as the limitations for such items of work, and each unit price shall include material, labor and services of each and everything necessary or required to complete for like work in kind, quality and function.

Unit Price No. 1: Masonry Repointing. Provide unit price per face square foot of brick. (\$ _____)

Unit Price No. 2: Masonry Repair. Provide unit price per face square foot. (\$ _____)

Unit Price No. 3: Provide a price to add or remove 10'-0" of roof drain and pipe insulation to amounts included in the Base Bid, Alternates No. 4 and No. 5.

(\$ _____)

1.06 NON-COLLUSIVE BIDDING CERTIFICATION

A. By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:

- 1. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
- 2. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor; and
- 3. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not submit a bid for the purpose of restricting competition.

Resolved that _____
(Name of Individual)

be authorized to sign and submit the bid or proposal of this corporation for the following project _____ and to include in such bid or proposal the certificate as to non-collusion required by Section One Hundred Three (d) (103d) of the General Municipal Law as the act and deed of such corporation, and for any inaccuracies or misstatements in such certificate this corporate bidder shall be liable under the penalty of perjury.

The foregoing is a true and correct cop of the resolution by _____
Corporation at a meeting of its Board of Directors held on the _____ day of _____, 20____.

(SEAL OF THE CORPORATION)

Secretary

1.07 ACCEPTANCE

A. When this Proposal is accepted, the undersigned agrees to enter into Contract with the Owner as provided in the Form of Agreement.

1.08 AFFIRMS

A. The undersigned affirms and agrees that this Proposal is a firm one which remains in effect and will be irrevocable for a period of forty-five (45) days after opening of Bids.

1.09 TYPE OF BUSINESS

A. The undersigned hereby represents that it is a _____ (Corporation, Partnership, or an Individual). If a Corporation, then the undersigned further represents that it is duly qualified as a Corporation under laws of New York State and it is authorized to do business in this State.

1.10 PLACE OF BUSINESS

- A. The following is the name and address of the person to whom all notices required in the connection with this Proposal may be telephoned, mailed or delivered.

 (Name)

 (Address)

 (Telephone)

1.11 EXECUTION OF CONTRACT

- A. When written Notice of Acceptance of the Proposal is mailed or delivered to the undersigned within forty-five (45) days after the opening of Bids, or anytime thereafter should the Proposal not be withdrawn, the undersigned, within ten (10) days, will execute the Form of Agreement with the Owner.

1.12 ADDENDA

- A. Any Addenda issued by the Architect and mailed or delivered to the undersigned prior to the Bid opening date shall become part of the Contract Documents. The Bidder shall enter on this list any addenda issued after this Form of Proposal has been received and shall fill in the addenda number and date.

Addendum # _____	Dated _____

1.13 ASBESTOS

- A. The Contractor certifies that no asbestos or asbestos-containing material will be incorporated into the Work of this Contract.

(Sign Bid Here)

Dated _____, 20____

_____ Legal Name of Person, Partnership or Corporation

By _____

Title _____

Address _____

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include, as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation, whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other Work of the Contract.
- C. Schedule: A Part 3 "Schedule of Alternates" Article is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 1: High School Annex Gym Roof Replacement. (See alternate roofing areas in drawing A-100) Include abatement for this roof surface.

- B. Alternate No. 2: Annex Gym 1 Story Roof Replacement and Masonry Reconstruction. (See alternate roofing areas in drawing A-100) Include abatement for this roof surface.
- C. Alternate No. 3: High School Annex Gym Team Absorption Rooftop Cooling Tower Removal
- D. Alternate No.4: Replace Roof Drain Bowl and Strainer and 25' of Pipe/Insulation. Provide Price Per Drain. See detail 7/A-500 and specifications section 221423.
- E. Alternate No.5: Provide Retro-fit Roof Drain and Replace 25' of Pipe/Insulation at Existing Location. Patch/Repair Existing Ceiling Below. Provide Price Per Drain. See detail 7/A-500 and specifications section 221423.
- F. Alternate No.6: Provide a price for work to be performed during second shift.

END OF SECTION 012300

NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF REPLACEMENT

**NORTH ROCKLAND HIGH SCHOOL
106 HAMMOND ROAD
THIELLS, NEW YORK 10984
SED NO. 50-02-01-06-0-016-032**

**OWNER:
North Rockland Central
School District
65 Chapel St
Garnerville, NY 10923**

**ARCHITECT:
MICHAEL SHILALE ARCHITECTS, LLP
140 Park Avenue
New City, NY 10956**

MATERIALS LEGEND	
	CONCRETE MASONRY UNIT
	BRICK
	RIGID INSULATION
	CONCRETE
	GRAVEL OR STONE
	EARTH
	EIFS
	ASPHALT PAVING
	SAND/MORTAR/GYPSUM BOARD
	STEEL
	ACT
	ROUGH WOOD
	BRONZE

ABBREVIATIONS	
ACT	ACOUSTICAL CEILING TILE ABOVE FINISH FLOOR
A.F.F.	ASPHALT BLOCK BLOCKING
ASPH	BUILT UP ROOFING
BLK	CEILING CONCRETE CONTINUOUS CONTROL JOINT
BLK'G	DOWN
BUR	DIA
CLG	DWG
CONC	E.F.
CONT	EIFS
C.J.	E.W.
DN	E.W.C.
DIA	ELC
DWG	EL
E.F.	ELC
EIFS	ELEVATION
E.W.	ELECTRICAL CONTRACTOR
E.W.C.	EXIST
ELC	EXP
EL	EXT'G
ELC	EXTR
ELEVATION	FF
ELECTRICAL CONTRACTOR	FIN.
EXIST	GA
EXP	GC
EXT'G	GALV
EXTR	GL
FF	GWB
FIN.	HM
GA	H.M.
GC	H.P.
GALV	HAC
GL	ITR
GWB	ITR
HM	JT
H.M.	JT
H.P.	LAM
HAC	LAV
ITR	LP
ITR	LP
JT	MAX
LAM	MANUFACTURER
LAV	MTL
LP	MIN
LP	MO
MAX	MASONRY OPENING
MANUFACTURER	N.I.C.
MTL	NO.
MIN	OC
MO	OP'G
MASONRY OPENING	PBC
N.I.C.	PLAS.LAM.
NO.	PL
OC	PLY'D
OP'G	RAD
PBC	REF.CLG.
PLAS.LAM.	REQ'D
PL	RO
PLY'D	SIM
RAD	STL
REF.CLG.	SUSP.CLG.
REQ'D	T.O.M.
RO	T.O.S.
SIM	TYP
STL	U.O.N.
SUSP.CLG.	V.I.F.
T.O.M.	VCT
T.O.S.	W/
TYP	WD
U.O.N.	WOOD
V.I.F.	
VCT	
W/	
WD	

DRAWING No.	DRAWING TITLE	DATE
A-000	COVER SHEET	12-06-21
B-100	BUILDING CODE ANALYSIS	11-26-21
ASB-100	ABATEMENT PLAN	11-26-21
A-100	ANNEX ROOF PLAN	12-06-21
A-110	TAPERED INSULATION PLAN	11-26-21
A-500	ROOF DETAILS	12-06-21
A-501	ROOF DETAILS	11-26-21
A-502	ROOF DETAILS	11-26-21

IF THIS BAR DOES NOT MEASURE 1", THEN DRAWING IS NOT TO FULL SCALE

Scale: AS NOTED

LIST OF DRAWINGS	
1	COVER SHEET
2	BUILDING CODE ANALYSIS
3	ABATEMENT PLAN
4	ANNEX ROOF PLAN
5	TAPERED INSULATION PLAN
6	ROOF DETAILS
7	ROOF DETAILS
8	ROOF DETAILS

IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER AN ITEM IN ANY WAY.

GENERAL NOTES	
1.	ALL PLAN DIMENSIONS ARE NOMINAL U.O.N. DIMENSIONS TO THE FINISHED FACE OF AN ELEMENT OR WALL WILL BE DESIGNATED WITH AN "F" AS SHOWN.
2.	G.C. TO VERIFY ALL DIMENSIONS IN THE FIELD AND IS TO NOTIFY ARCHITECT IF THERE ARE ANY DISCREPANCIES

ALTERNATES/ALLOWANCES	
ALT. NO. 1:	HS ANNEX GYM ROOF REPLACEMENT (SEE ALTERNATE ROOFING AREAS DRAWING A-100) INCLUDE ABATEMENT FOR THIS ROOF SURFACE
ALT. NO. 2:	ANNEX GYM 1-STORY ROOF REPLACEMENT AND MASONRY RECONSTRUCTION (SEE ALTERNATE ROOFING AREAS DRAWING A-100) INCLUDE ABATEMENT FOR THIS ROOF SURFACE
ALT. NO. 3:	HS ANNEX GYM STEAM ABSORPTION ROOFTOP COOLING TOWER REMOVAL.
ALT. NO. 4:	REPLACE ROOF DRAIN BOWL AND STRAINER AND 25' OF PIPE/INSULATION. PROVIDE PRICE PER DRAIN. SEE DETAIL 7/A-500 AND SPECIFICATION SECTION 221423.
ALT. NO. 5:	PROVIDE RETRO-FIT ROOF DRAIN AND REPLACE 25' OF PIPE/INSULATION AT EXISTING LOCATION. PATCH/REPAIR EXT'G CEILING BELOW. PROVIDE PRICE PER DRAIN. SEE DETAIL 7/A-500 AND SPECIFICATION SECTION 221423
ALT. NO. 6:	PROVIDE A PRICE FOR WORK TO BE PERFORMED DURING SECOND SHIFT.
ALLOWANCE NO. 1:	INCLUDE AN ALLOWANCE FOR \$10,000 FOR TESTING AND ASBESTOS MONITORING.

UNIT PRICES	
UNIT PRICES NO. 1:	MASONRY REPOINTING. PROVIDE UNIT PRICE PER FACE SQUARE FOOT OF BRICK. SEE DETAIL 8/A-502 AND SPECIFICATION SECTION 040120.64.
UNIT PRICES NO. 2:	MASONRY REPAIR. PROVIDE UNIT PRICE PER SQUARE FOOT. SEE DETAIL 9/A-502 AND SPECIFICATION SECTION 040120.63
UNIT PRICES NO. 3:	PROVIDE A PRICE TO ADD OR REMOVE 10'-0" OF ROOF DRAIN AND PIPE INSULATION TO AMOUNTS INCLUDED IN THE BASE BID, ALTERNATE NO. 4 AND NO. 5.

No.	Date	Revisions
1	12-06-21	ADDENDUM NO 1
2	11-26-21	BIDDING DOCUMENTS

Drawn by	KC/JR/MAL
Checked by	MS/JC
Project No.	41056
Scale	AS NOTED
Date	09-22-21

NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF REPLACEMENT

SED # 50-02-01-06-0-016-032

106 HAMMOND ROAD
THIELLS, NY 10984

MSA

MICHAEL SHILALE ARCHITECTS, LLP
140 Park Avenue New City, NY 10956 Tel 845-706-3000
www.mshale.com

COVER SHEET

Drawing No. **A-000**

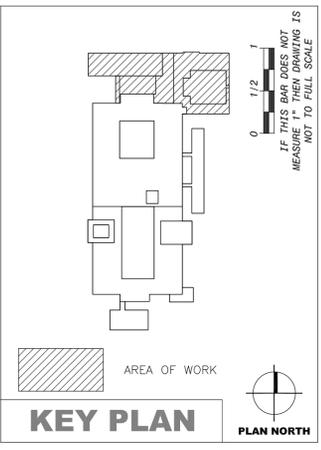
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ABATEMENT FOR EACH ROOF SURFACE SHALL BE INCLUDED IN THE BASE BID REMOVAL AND EACH ALTERNATE. COORDINATE WITH ALTERNATE ROOFING AREAS ON DRAWING A-100.

NOTES

ACM LEGEND:

-  REMOVE AND DISPOSE OF ACM PERIMETER FLASHING TAR.
-  REMOVE AND DISPOSE OF ACM EQUIPMENT/VENT FLASHING TAR.
- 1** REMOVE AND DISPOSE OF ACM TERMINATION BAR CAULK.



KEY PLAN

No.	Date	Revisions
1	11-26-21	BIDDING DOCUMENTS

Drawn by	JP
Checked by	RL
Project No.	41056
Scale	AS NOTED
Date	09-22-21

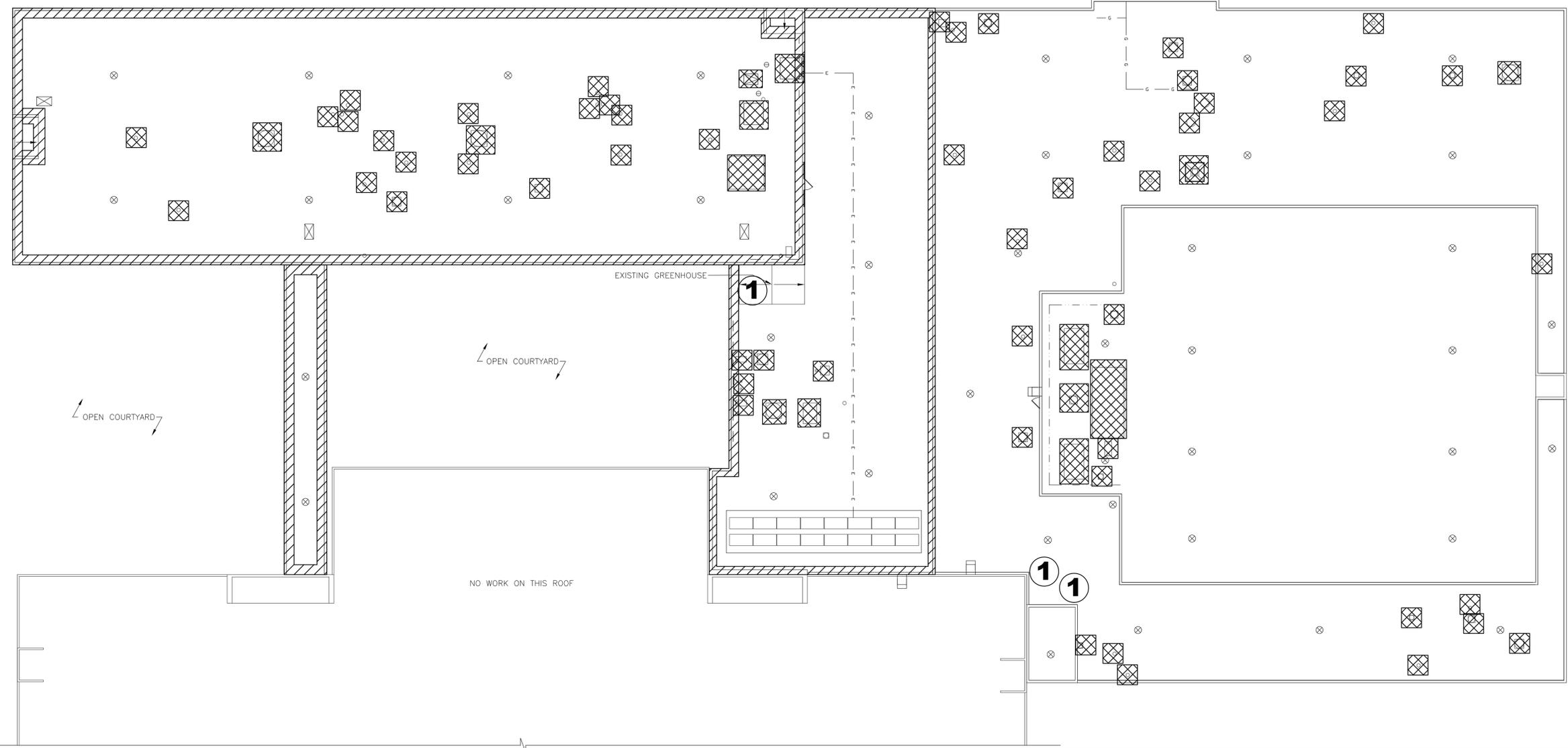
Asbestos Consultant:	
Structural Engineer:	

NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF REPLACEMENT
 SED # 50-02-01-06-0-016-032
 108 BLANKENSBURG ROAD
 TIBBLES, NY 10984
 TOWN OF HAVERTIA
 COUNTY OF ROCKLAND



MICHAEL SHILALE ARCHITECTS, L.L.P.
 140 Park Avenue New York, NY 10022 Tel 945-708-3020
 info@msa.com

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 Drawing Title: **ACM LOCATIONS ROOF PLAN**
 Drawing No.: **ASB-100**



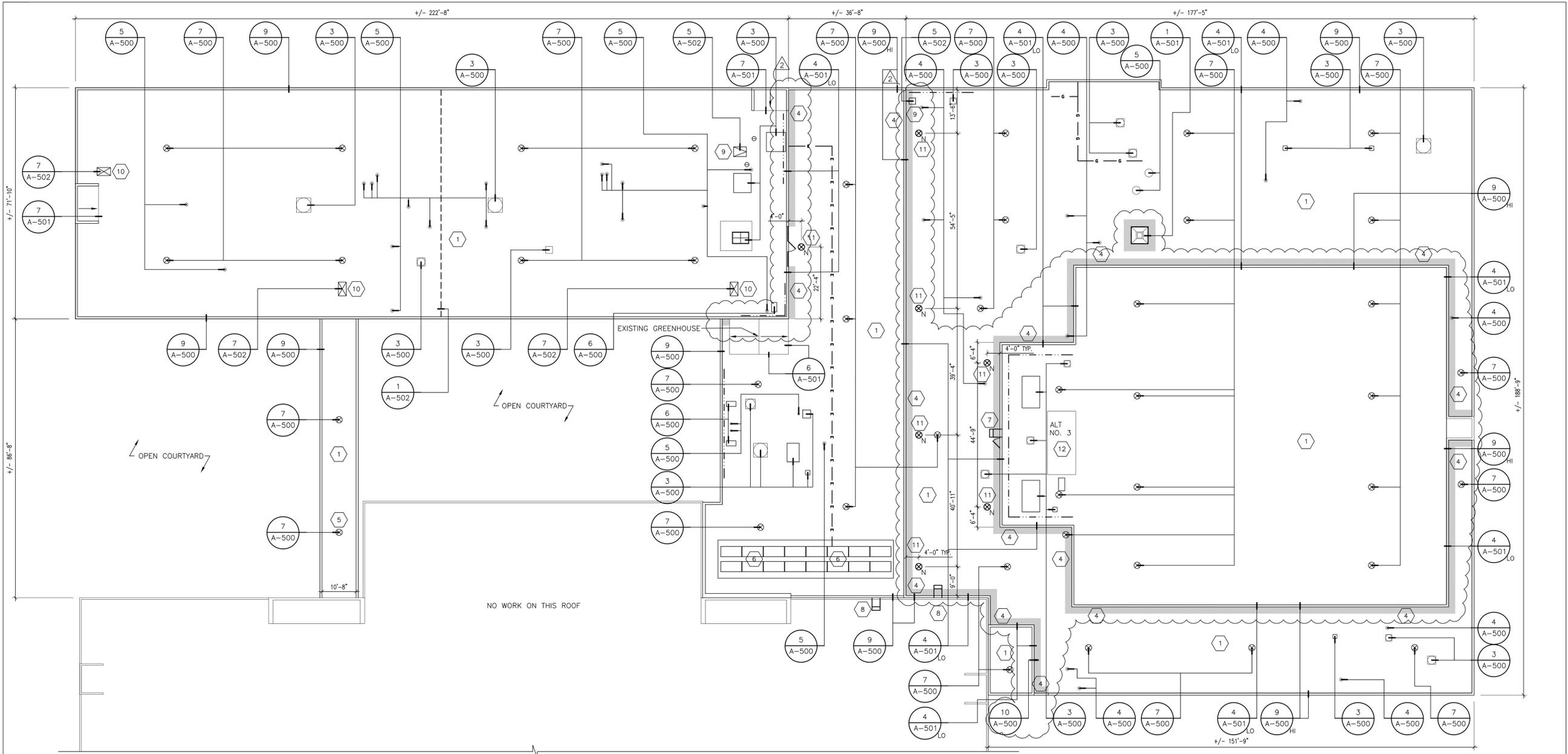
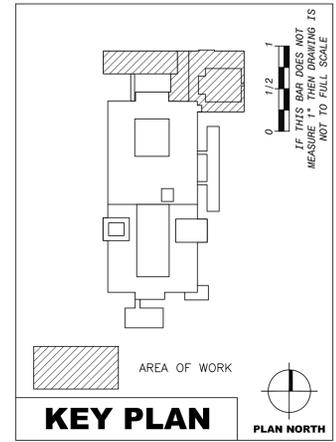
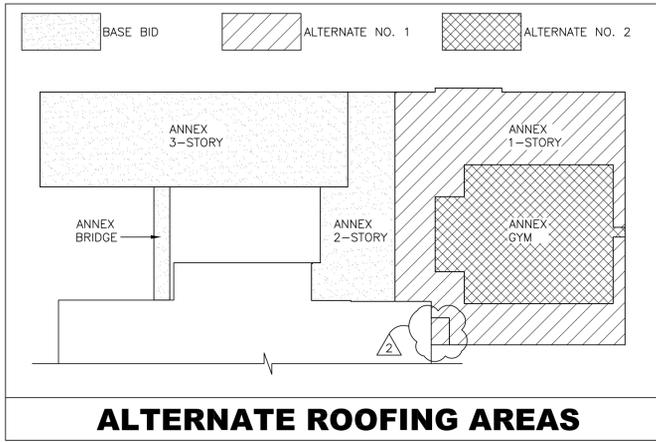
1 NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF ACM LOCATION PLAN
 SCALE: 1/16"=1'-0"



—	EXISTING THROUGH WALL LOUVER	□	EXISTING MECHANICAL EQUIPMENT	- - - -	NEW RAILING (AS PER BASE BID)
⊕	EXISTING THROUGH WALL SCUPPER	⊙	ROOF VENT	—	NEW CONTINUOUS RAILING
○	EXISTING PIPE PENETRATION	⊗	NEW SKYLIGHT	—	SITE PROTECTION FENCE - MAINTAIN THROUGHOUT PROJECT
⊗	EXISTING ROOF DRAIN	—	NEW WALKWAY	—	EXISTING EXTERIOR WALL OF BUILDING
⊗	NEW ROOF DRAIN	—	EXISTING FRESH AIR INTAKE	—	EXISTING AREA DIVIDER
⊗	EXISTING VENTILATOR OR MECHANICAL PENETRATION	⊙	NEW DOOR NUMBER	—	EXISTING ELECTRICAL CONDUIT
EQ	EXISTING EQUIPMENT PAD	⊗	AREA OF EXISTING WET INSULATION	—	EXISTING GAS LINE
⊗	EXISTING ROOF HATCH	⊗	OVERHEAD PROTECTION	—	AREA OF WEEP RAISING
—	EXISTING LADDER				
⊗	EXISTING CHIMNEY				

LEGEND

- 1 REMOVE EXISTING EPDM ROOF MEMBRANE, FLASHING, BALLAST AND EXISTING ROOF INSULATION SYSTEMS DOWN TO EXISTING ROOF DECK IN WORK AREA.
 - 2 REMOVE EXISTING METAL COUNTER FLASHING AND COPING.
 - 3 INSTALL TRAFFIC PAD - 30"x30" MODIFIED BITUMEN W/ AGGREGATE WEARING SURFACE.
 - 4 RAISE WEEP HOLE IN MASONRY AS SHOWN ON DETAIL 4/A-501
 - 5 SNAKE EXISTING CLOGGED DRAIN AND FLOW TEST
 - 6 REMOVE EXISTING OPERATING PV SYSTEM FOR ROOF REPLACEMENT. STORE/PROTECT AND REINSTALL TO OPERATION WHEN ROOFING IS COMPLETE. WORK TO BE PERFORMED BY QUALIFIED SOLAR PV CONTRACTOR.
 - 7 INSTALL FALL PROTECTION CAGE ON EXISTING LADDER. SEE DETAIL 3/A-502
 - 8 INSTALL NEW LADDER SECURE TO BUILDING, SEE DETAIL 3/A-502
 - 9 REMOVE EXISTING ROOF HATCH AND INSTALL NEW ROOF HATCH. RAISE CURB TO MAINTAIN 8" FROM ROOFING TO TOP OF CURB.
 - 10 REMOVE EXISTING SKYLIGHTS AND INSTALL NEW SKYLIGHTS. RAISE CURB TO MAINTAIN 8" FROM ROOFING TO TOP OF CURB.
 - 11 ALLOW FOR 25' OF CAST IRON PIPING TO CONNECT NEW DRAIN INTO EXISTING STORM WATER PIPING. REMOVE AND REINSTALL CEILING TILE AS REQUIRED.
 - 12 ALT NO. 3 REMOVE EXISTING HS ANNEX GYM STEAM ABSORPTION ROOFTOP COOLING TOWER. REMOVE DUNNAGE AND ADD TAPERED INSULATION.
- DEMO AND REPAIR NOTES**



1 NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF PLAN
SCALE: 1/16"=1'-0"

12-06-21 ADDENDUM NO 1	
No.	Date

Drawn by	KC/MAL/JR
Checked by	MS/JC
Project No.	41056
Scale	AS NOTED
Date	09-22-21

Mechanical & Electrical Engineer:	Structural Engineer:

NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF REPLACEMENT

SED # 50-02-01-08-0-018-032

108 HAWKINS ROAD
TITELUS, NY 10984

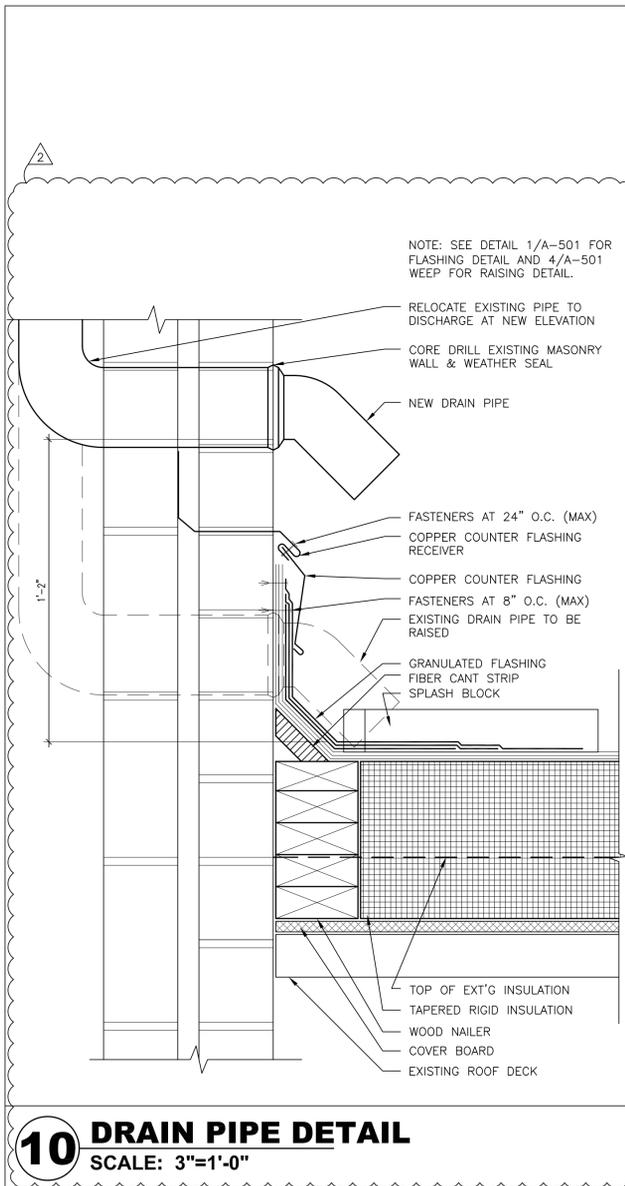


ANNEX ROOF PLAN

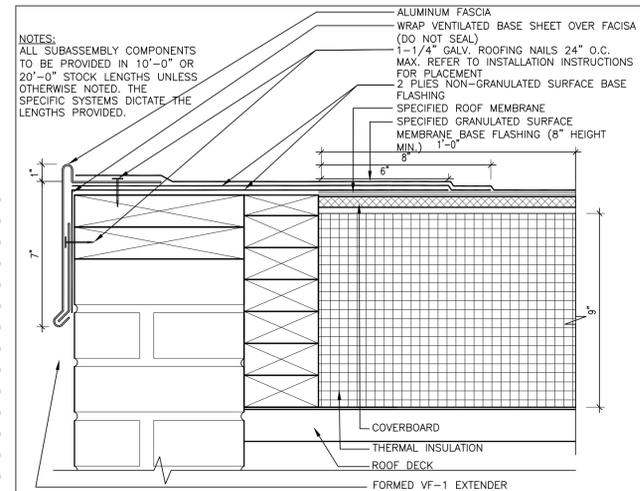
Drawing No. **A-100**

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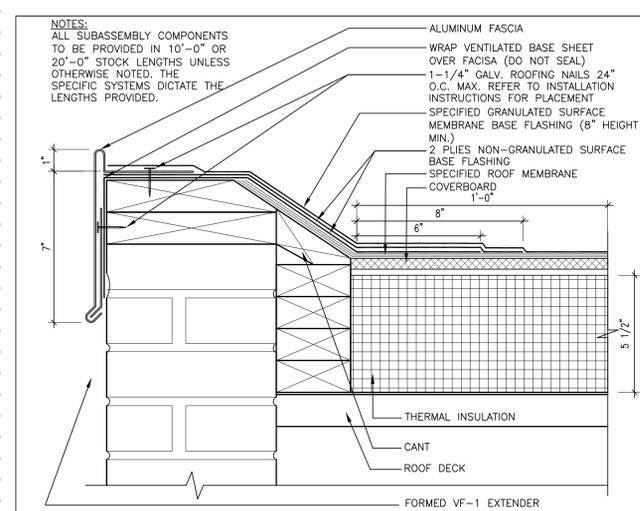




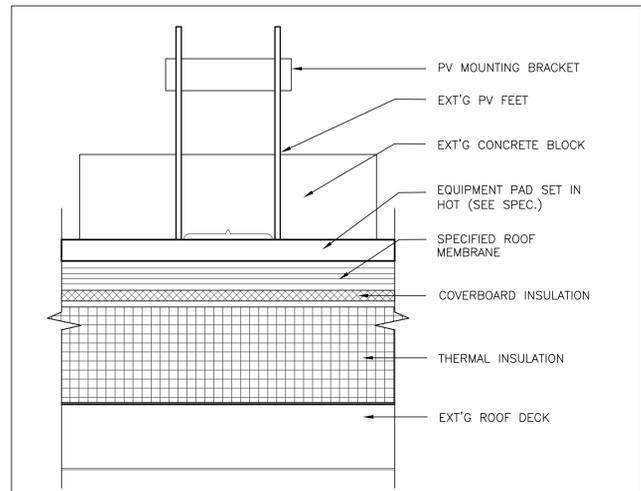
10 DRAIN PIPE DETAIL
SCALE: 3"=1'-0"



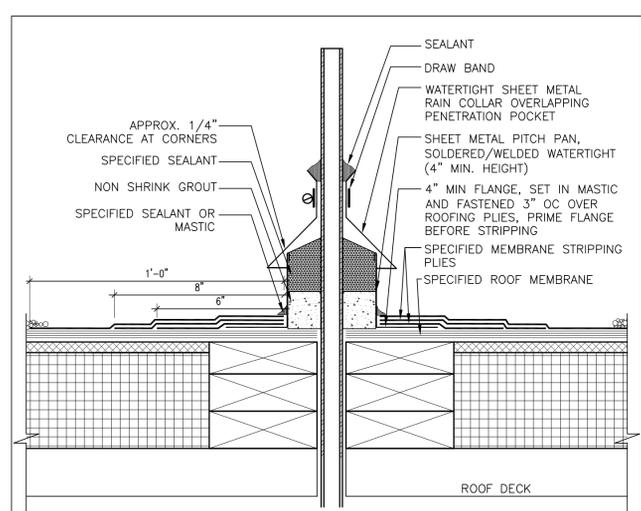
9 COPING DETAIL (TYP.)
SCALE: 3"=1'-0"



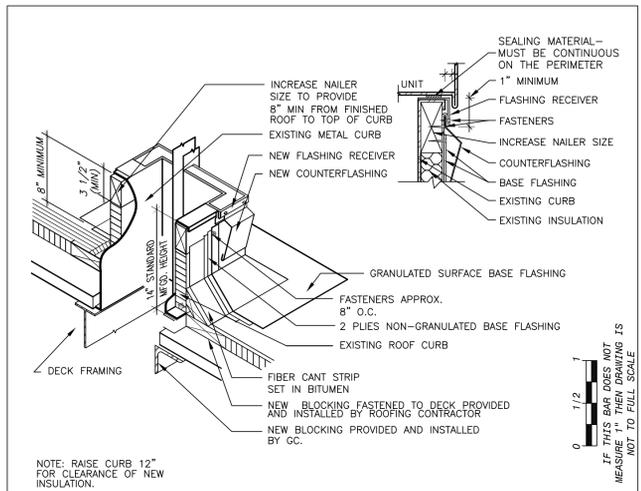
8 COPING DETAIL (TYP.)
SCALE: 3"=1'-0"



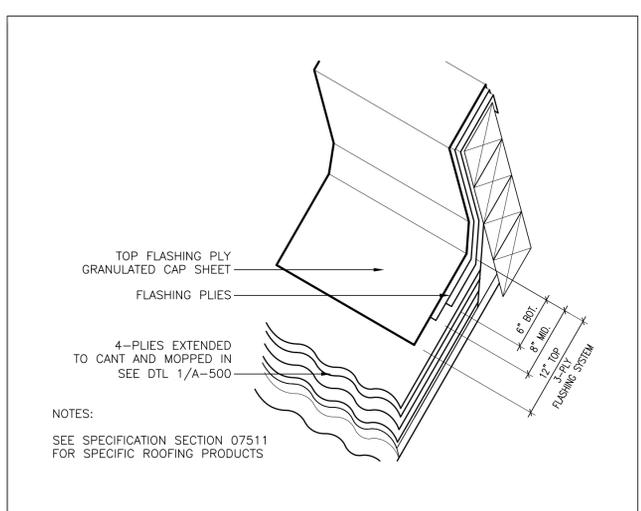
6 PV MOUNTING DETAIL
SCALE: 3"=1'-0"



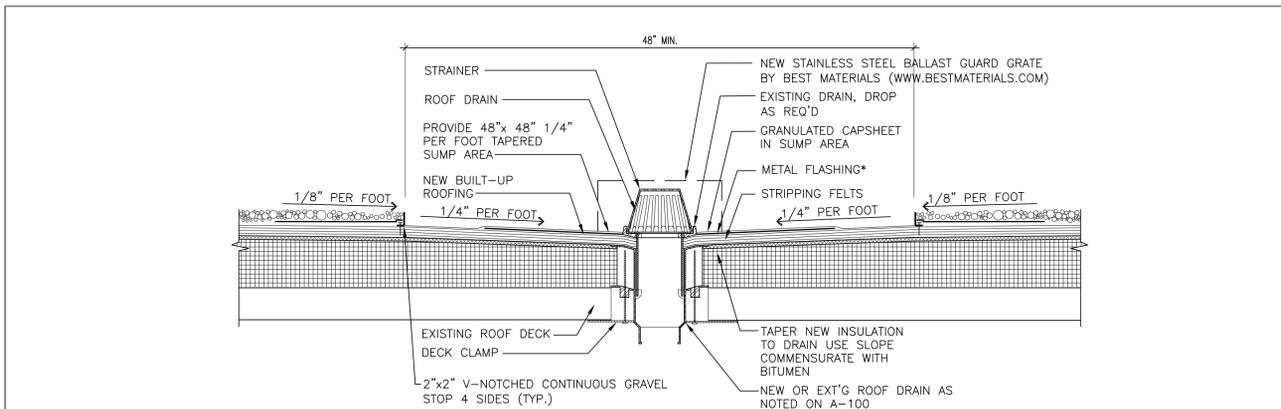
5 PITCH POCKET (TYP.)
SCALE: 3"=1'-0"



3 MECHANICAL EQUIPMENT (TYP.)
SCALE: N.T.S.

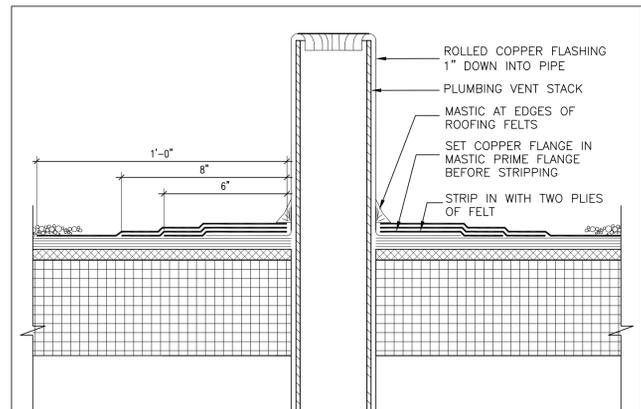


2 TYP.B.U.R. FLASHING
SCALE: N.T.S.

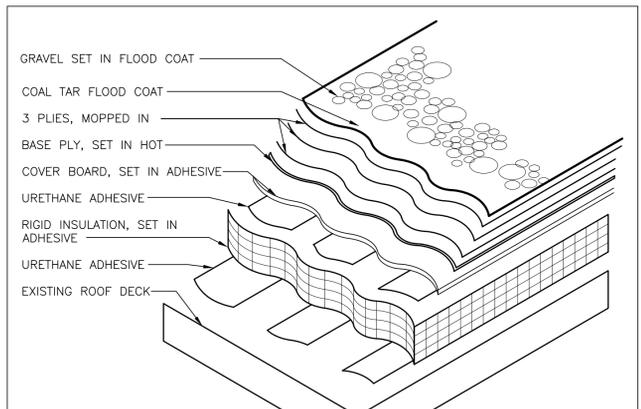


NOTES:
1. *MINIMUM 30" SQUARE 4-LB LEAD OR 16-OZ. SOFT COPPER FLASHING SET ON FINISHED ROOF FELTS IN MASTIC. PRIME TOP SURFACE BEFORE STRIPPING.
2. MEMBRANE PLYS, METAL FLASHING, AND FLASH-IN PLYS EXTEND UNDER CLAMPING RING.
3. STRIPPING FELTS—EXTEND 4" AND 6" BEYOND EDGE OF FLASHING SHEET, BUT NOT BEYOND EDGE OF SUMP.
4. PROVIDE V-NOTCHED ALUMINUM GRAVEL STOP CONTINUOUS AROUND SUMP.

7 ROOF DRAIN (TYP.)
SCALE: 1-1/2" = 1'-0"



4 PLUMBING VENT (TYP.)
SCALE: 3"=1'-0"



1 TYP. B.U.R. FIELD W/ GRAVEL SURFACE
SCALE: N.T.S.

2	12-06-21	ADDENDUM NO 1	Revisions
1	11-28-21	Revisions	Revisions
No.	Date		

Drawn by	KC/MAL/JR
Checked by	MS/JC
Project No.	41056
Scale	AS NOTED
Date	09-22-21

Mechanical & Electrical Engineer:	Structural Engineer:
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NORTH ROCKLAND HIGH SCHOOL ANNEX ROOF REPLACEMENT

SED # 60-02-01-08-0-016-032

108 HAWKINS ROAD
TIBULOUS, NY 10984

MSA

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ROOF DETAILS

Drawing No. **A-500**

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