

PARTIAL ROOF REPLACEMENT

**STAPLES HIGH SCHOOL
70 NORTH AVENUE
WESTPORT, CT 06880
STATE PROJECT #158-0100 RR
BID #23-009-RFP**

S/P+A PROJECT NO. 21.132

DATE: September 22, 2022

The following changes to the Drawings and Project Specifications shall become a part of the Drawings and Project Specifications; superseding previously issued Drawings and Project Specifications to the extent modified by Addendum #1.

General Information:

- The prebid conference sign-in sheet is attached for reference. (2)
- The deadline for RFIs is Friday, September 23, 2022, 2:00pm.
- See attached RFI log. (3)

New Specifications:

- SECTION 099113, EXTERIOR PAINTING has been added and is attached as part of this addendum. (5) *(Per RFI #003)*

Changes to the Specifications:

- TABLE OF CONTENTS, Page 2, add the following:

“DIVISION 09 – FINISHES

Section 099113 Exterior Painting

5” *(Per RFI #003)*

- BID FORM has been deleted in its entirety. A new BID FORM has been added and is attached as part of this addendum. (4) *(Per Internal Review)*
- SECTION 012100, ALLOWANCES:
 - Page 1, Article 1.2.B., add the following:

“2. Lump sum allowances.”
 - Page 3, Article 3.3, add the following:

“C. **Allowance No. 3: Raising of Rooftop Units:** Include in the Base Bid an allowance of fifteen thousand dollars (\$15,000) for the raising of existing rooftop units not indicated

on the Drawings. This allowance includes material cost, equipment, and installation, and Contractor overhead and profit.” *(Per Internal Review)*

- SECTION 075323, ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING:

- Page 1, Article 1.2.A., add the following:

“4. Vapor retarder.”

- Page 6, Part 2, add the following:

“2.8 VAPOR RETARDER

- A. Rubberized-Asphalt-Sheet Vapor Retarder, Self-Adhering: ASTM D 1970, polyethylene film laminated to layer of rubberized asphalt adhesive, minimum 40-mil total thickness; maximum permeance rating of 0.1 perm; cold applied, with slip-resisting surface and release paper backing. Provide primer when recommended by vapor retarder manufacturer.”

- Page 7, Article 3.1.A, add the following:

- “3. Verify that minimum concrete drying period recommended by roofing system manufacturer has passed.
- 4. Verify that concrete substrate is visibly dry and free of moisture, and that minimum concrete internal relative humidity is not more than seventy-five percent (75%), or as recommended by roofing system manufacturer when tested in accordance with ASTM F 2170.
 - a. Test Frequency: One (1) test probe per each 1000 sq. ft., or portion thereof, of roof deck, with not less than three test probes.
 - b. Submit test reports within 24 hours of performing tests.
- 5. Verify that concrete-curing compounds that will impair adhesion of roofing components to roof deck have been removed.”

- Page 10, Part 3, add the following:

“3.10 VAPOR RETARDER INSTALLATION

- A. Self-Adhering-Sheet Vapor Retarder: Prime substrate if required by manufacturer. Install self-adhering-sheet vapor retarder over area to receive vapor retarder, side and end lapping each sheet a minimum of 3½ and 6 inches, respectively.
 - 1. Extend vertically up parapet walls and projections to a minimum height equal to height of insulation and cover board.
 - 2. Seal laps by rolling.
- B. Completely seal vapor retarder at terminations, obstructions, and penetrations to prevent air movement into roofing system. *(Per Internal Review)*

Changes to the Drawings:

- The following ARCHITECTURAL drawings have been deleted in their entirety. New drawing has been added and are attached as part of this addendum.*
 - A2 ROOF PLAN PART #1
 - A3 ROOF PLAN PART #2
 - A4 ROOF PLAN PART #3 (*Per RFI #s 002, 003 & Internal Review*)
- DRAWING C1, CODE INFORMATION:
 - General Notes, add the following:

“19. Provide and install a vapor retarder on all concrete decks.” (*Per Internal Review*)
 - Construction Notes, add the following:

“6. Existing gas piping to be disconnected & purged. Raise existing gas piping as required to accommodate new roofing insulation heights. Provide new piping extensions, joints & fittings & reconnect to existing gas main. Install all exist. & new gas piping on new pipe curbs 24” o.c. Prime & paint all existing & new gas piping. See project manual.

7. Existing rooftop mechanical unit. Raise entire unit min. 8” above high point of new roof insulation. Extend all ductwork & electrical wiring. See Detail A/A2 & project manual.

8. All existing metal staircases are to be temporarily remove during construction, modified as needed to compensate for new roof insulation heights & reinstalled.” (*Per RFI #s 002, 003 & Internal Review*)
- DRAWING A1, OVERALL ROOF PLAN, Construction Notes, add the following:

“6. Existing gas piping to be disconnected & purged. Raise existing gas piping as required to accommodate new roofing insulation heights. Provide new piping extensions, joints & fittings & reconnect to existing gas main. Install all exist. & new gas piping on new pipe curbs 24” o.c. Prime & paint all existing & new gas piping. See project manual.

7. Existing rooftop mechanical unit. Raise entire unit min. 8” above high point of new roof insulation. Extend all ductwork & electrical wiring. See Detail A/A2 & project manual.

8. All existing metal staircases are to be temporarily remove during construction, modified as needed to compensate for new roof insulation heights & reinstalled.” (*Per RFI #s 002, 003 & Internal Review*)

The bid date remains unchanged by this addendum.

The addendum consists of seventeen (17) pages of 8½” x 11” text and three (3) 30” x 42” drawings*.
End of Addendum #1

WESTPORT PUBLIC SCHOOLS
WALK-THRU SIGN IN

BID/RFP NO: 23-009-RFP SHS Roof Replacement

DATE: September 13, 2022, 3:30PM, Staples High School

PLEASE SUBMIT BUSINESS CARD

PLEASE PRINT LEGIBLY

NAME	COMPANY/FIRM	E-MAIL	MOBILE/FAX#
Dean Tahir	DJS Contracting	Dean.Tahir@gmail.com	914-447-8972
Don Ken	Greenwood Industries Inc	dken@greenwood-industries.com	508-328-3835
Dave Lukeski	Barrett, Inc.	delukew@barrettr roofing.com	203-744-2780
Sean Morrissey	Silverman Roofing Inc	Sean@SilvermanRoofing.com	203-927-0824
Voytek F. Claude Duranti	Silverman Roofing Inc True to Art Construction	Voytek@SilvermanRoofing.com True.to.Art@true2art.com	" " 203 583 5503
Peter Caliguire	MAINT	WBOE	203 943 9432
BoE westport	BoE westport		203-341-1290

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truetoartw@gmail.com

**SILKTOWN
ROOFING**
CHANCESTER, CT

SEAN MORRISSEY
ESTIMATOR
203-735-0552
sean@silktownroofing.com



Project: **Staples High School Partial Roof Replacement**
Bid #/State Project # **23-009-RFP/158-0100 RR**
S/P+A Project #: **21.132**

RFI Deadline: **09/23/22**
Bids Due: **09/30/22**

RFI #	QUESTION	DATE RECEIVED	RESPONSE	ADDENDUM # ISSUED
001	Please confirm that the solar panels, conduits, and wall units related to solar will be raised and handled by the Owner prior to roofing start. These items may be warranted and there could be restrictions in place on who can alter etc., you certainly do not want to void any warranties/agreements.	09/16/22	The Owner will handle the removal and reinstall of this solar unit.	1
002	Please provide a detail on raising the low lines at the mechanical screen (mechanical well), (it seem to be freezer refrigerant lines). See attached Photo #1.	09/16/22	See revised drawing in Addendum #1.	1
003	If a gas line to an RTU is too low with new insulation heights is it the responsibility of the roofing contractor to raise? See attached Photo #2.	09/16/22	Yes, Contractor is responsible for raising all gas lines & associated mechanical units. See revised drawing in Addendum #1.	1
004	Please confirm if the railing not indicated on the drawings at the back edge of roof 9 is to be disposed of, or to remove and reinstall?	09/16/22	Railing to be removed and resinstalled.	1
005	Roof 26 - are those truly smoke hatches or skylights?	09/19/22	They are truly smoke hatches.	1
006	New ladders are called out on the drawings. Please indicated where and how many are to be installed.	09/19/22	New metal ladders are to be installed where noted with symbol NL on the plan.	1





SECTION 099113 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following exterior substrates:
 - 1. Steel and iron.

1.3 DEFINITIONS

- A. Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include preparation requirements and application instructions.
- B. Samples: For each type of paint system and each color and gloss of topcoat.
 - 1. Submit Samples on rigid backing, 8 inches square.
 - 2. Step coats on Samples to show each coat required for system.
 - 3. Label each coat of each Sample.
 - 4. Label each Sample for location and application area.
- C. Product List: For each product indicated, include the following:
 - 1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
 - 2. Printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
 - 3. VOC content.

1.5 MAINTENANCE MATERIAL SUBMITTALS

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

1.6 DELIVERY, STORAGE, AND HANDLING

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

1.7 FIELD CONDITIONS

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

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - 1. Behr Process Corporation
 - 2. Benjamin Moore & Co.
 - 3. Duron, Inc.
 - 4. ICI Paints
 - 5. PPG Architectural Finishes, Inc.
 - 6. Sherwin-Williams Company (The)
 - 7. Substitutions: Under provisions of Section 012500 "Substitution Procedures".

2.2 PAINT, GENERAL

- A. MPI Standards: Provide products that comply with MPI standards indicated and that are listed in its "MPI Approved Products List."
- B. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- C. VOC Content: Provide materials that comply with VOC limits of authorities having jurisdiction.
- D. Colors: As selected by Architect and Owner from manufacturer's entire range, to match existing where required.

2.3 SOURCE QUALITY CONTROL

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

PART 3 - EXECUTION

3.1 EXAMINATION

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

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
 - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
 - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer but not less than the following:

1. SSPC-SP 3.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Manual."
 1. Use applicators and techniques suited for paint and substrate indicated.
 2. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
 3. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
- B. Tint undercoats same color as topcoat but tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Provide sufficient difference in shade of undercoats to distinguish each separate coat.
- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 FIELD QUALITY CONTROL

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

3.5 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.6 EXTERIOR PAINTING SCHEDULE

A. Steel and Iron Substrates:

1. Water-Based Light Industrial Coating System:

- a. Prime Coat: Primer, zinc rich, inorganic, **MPI #19**.
- b. Intermediate Coat: Light industrial coating, exterior, water based, matching topcoat.
- c. Topcoat: Light industrial coating, exterior, water based, semi-gloss (Gloss Level 5), **MPI #163**.

END OF SECTION 099113

BIDDER:

Name_____
Address

To: **Mr. Elio Longo, Chief Financial Officer**
Westport Board of Education
110 Myrtle Avenue
Westport, CT 06880

Project: **Staples High School Partial Roof Replacement**
70 North Avenue
Westport, CT 06880
State Project #158-0100 RR
Bid #23-2009-RFP

In preparing this bid, we have carefully examined the Bidding Documents for this Project. We have visited the site and noted the conditions affecting the Work.

The Bidding Documents referred to include Drawings and Project Manual dated September 3, 2021, prepared by Silver/Petrucelli + Associates, Inc., Hamden, Connecticut.

We propose to perform the work described in the Bidding Documents, in keeping with definitions of Article 1 of the Instructions to Bidders, for the Base Bid Sum as follows:

Base Bid:

Entire Project for the Total Cost of:

\$ _____ Dollars (\$) .00).
written figure

We will commence work on the project _____ calendar days after receipt of "Notice to Proceed" or signing of Contract, whichever is sooner. We will be able to substantially complete the project within _____ calendar days thereafter. (See SIB 1.2).

Allowances: (See Section 012100)

Allowance No. 1: Metal Roof Deck Replacement (part of Base Bid)	\$ _____
Allowance No. 2: Storm Drainage Piping (part of Base Bid)	\$ _____
Allowance No. 3: Raising of Rooftop Units (part of Base Bid)	\$ _____

Alternates:

The undersigned proposes to furnish all Labor, Materials, Equipment and Services necessary to construct the items listed in the Alternates described in Section 012300 for the stipulated sum of:

Item	Description	Unit Price
11.	Ceiling tile/glue daubs and contaminated substrates, removal and disposal as ACM	\$ sf
12.	Spray applied fireproofing insulation and overspray, removal and disposal as ACM	\$ sf
13.	Roof flashing (all layers), removal and disposal as ACM	\$ sf
14.	Roof field/core (all layers, including materials on deck), removal and disposal as ACM	\$ sf
15.	Caulking, compounds (all layers), removal and disposal as ACM	\$ lf
16.	Caulking compounds (all layers), removal and disposal as ACM and PCBs assumed >50ppm (Bulk Product Waste)	\$ lf
17.	Removal/Abatement work, transportation, and disposal of lead hazardous waste (TCLP >5mg/L – includes substrates and contaminated materials) 40-yd dumpster, removal, transportation, and disposal as Lead Hazardous Waste	\$ dumpster
18.	Metal roof deck, thickness to match existing roof deck to be removed (including deteriorated roof deck removal, credit and add)	\$ sf
19.	Add pressure treated wood blocking, as specified, cut to fit around roof structure and systems installed	\$ bf
20.	Deduct pressure treated wood blocking, as specified, cut to fit around roof structure and system installed	\$ bf
21.	Storm drainage piping, 4-inch, provision and installation, including associated insulation and hangers/supports	\$ lf
22.	Pitch pocket, per Detail D/A5, provision and installation	\$ penetration

If written notice of the acceptance of this Bid is mailed, telegraphed or delivered to the undersigned at the Address designated below, within ninety (90) days after the date of Bid Opening, or any time thereafter before this Bid is withdrawn, the undersigned will, within ten (10) days after the date of mailing, telegraphing or delivering of the notice, execute and deliver a contract in the Standard Form of Agreement Between the Owner and Contractor, AIA Document A101, or similar contract modified as may be mutually agree upon.

The undersigned acknowledges that he has examined the documents, visited and examined the site as required under "Instructions to Bidders", examined the availability of labor and materials and further agrees to comply with all the requirements as to the conditions of employment and wage rates set forth by the Department of Labor.

Addenda:

The undersigned acknowledges receipt of the following addenda to the Contract Documents, listed by number and date:

Number , Dated: _____

Number , Dated: _____

Number , Dated: _____

Number , Dated: _____

Exceptions: _____

ATTACHMENTS – Attached hereto is:

- 1. Bid Bond**
- 2. Contractor Prequalification Statement**
- 3. Update Bid Statement**
- 4. CHRO Bidder Contract Compliance Monitoring Report**

NON-COLLUSIVE BID STATEMENT

The undersigned bidder certifies that this bid is made independently and without collusion, agreement, understanding or planned course of action with any other bidder and that the contents of the bid shall not be disclosed to anyone other than employees, agents, or sureties prior to the official bid opening.

Signature: _____ Date: _____

Printed Name and Title
of Agent submitting bid: _____

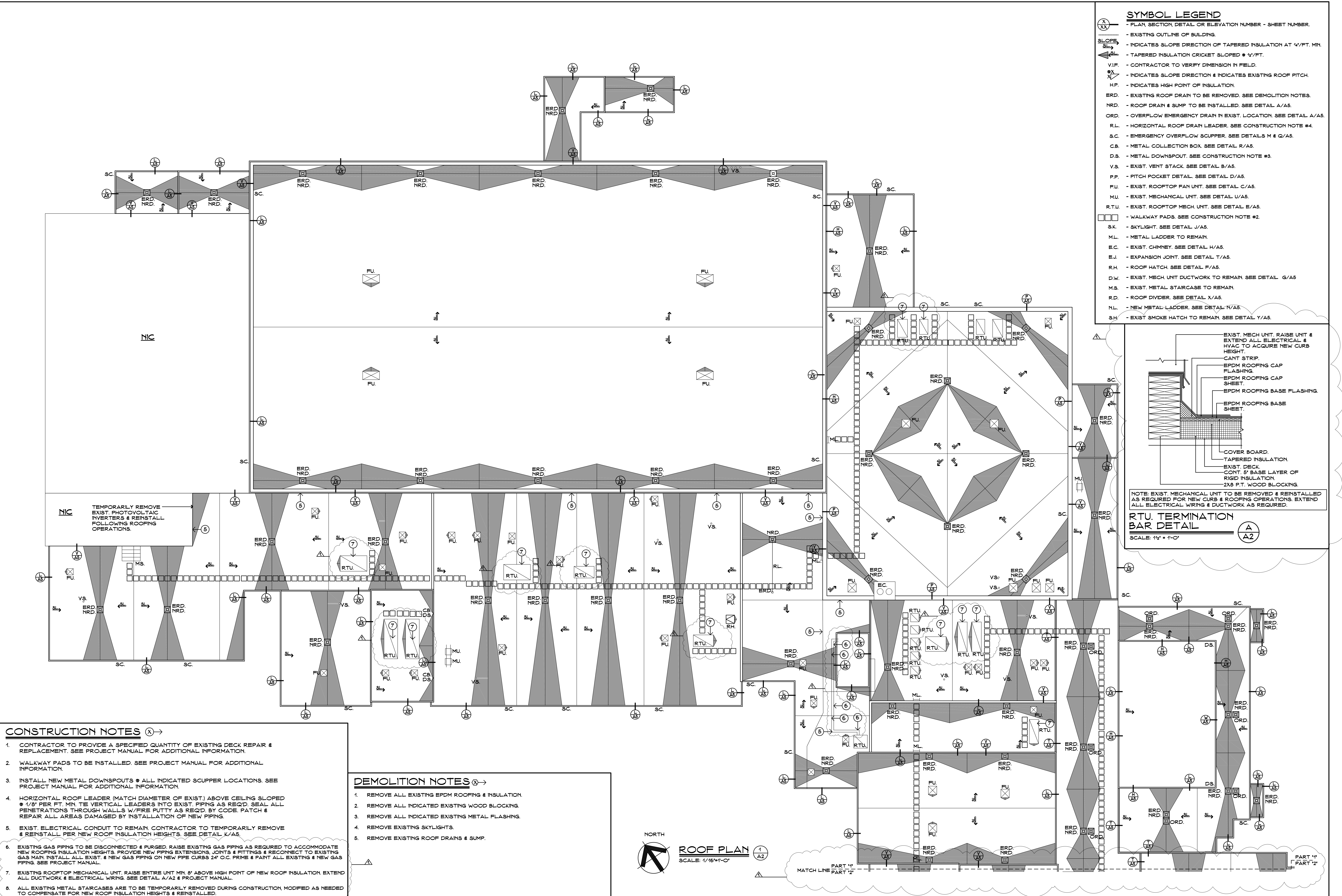
Name of Company: _____

Address: _____

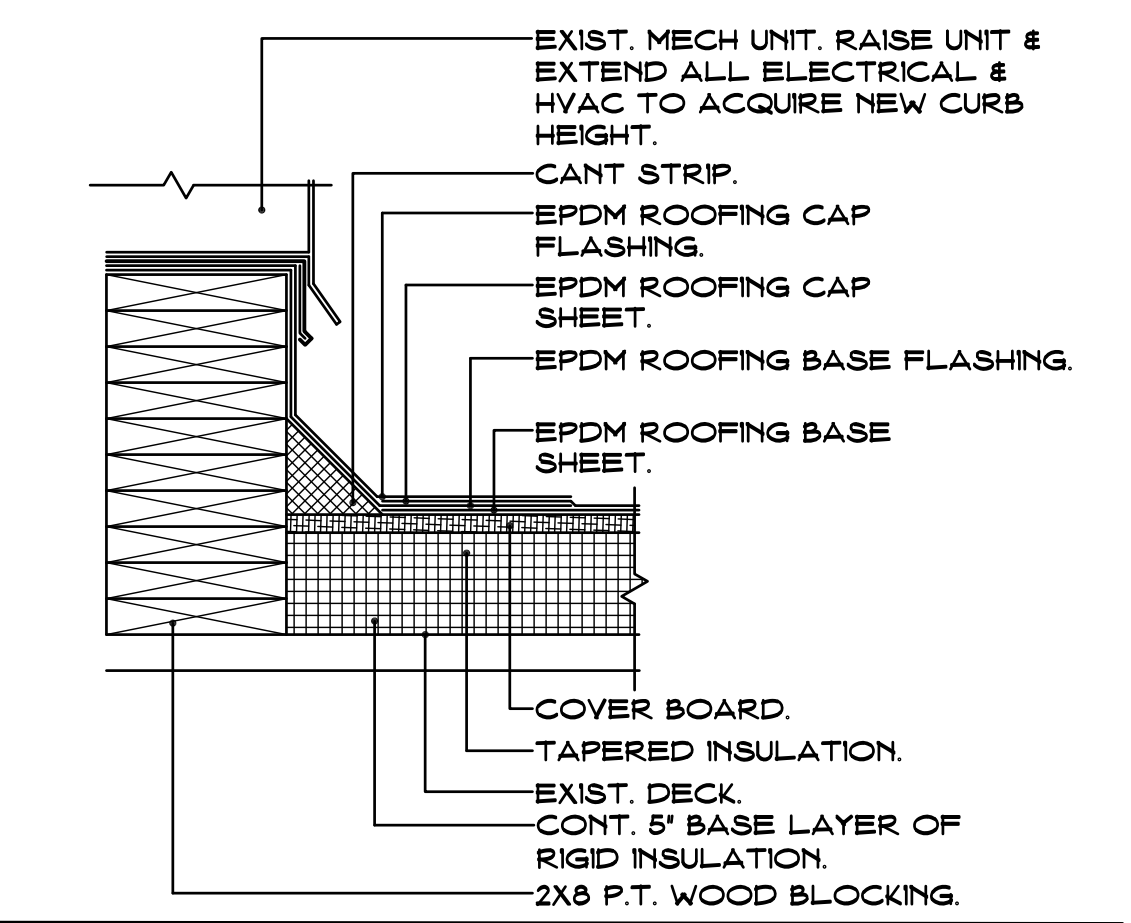
Telephone Number: _____ Fax Number: _____

E-mail: _____

This Bid may be withdrawn prior to the scheduled Bid Opening or any postponement thereof.



- SYMBOL LEGEND**
- PLAN, SECTION, DETAIL OR ELEVATION NUMBER - SHEET NUMBER.
 - EXISTING OUTLINE OF BUILDING.
 - INDICATES SLOPE DIRECTION OF TAPERED INSULATION AT 1/4" FT. MIN.
 - TAPERED INSULATION CRICKET SLOPED @ 1/4" FT.
 - V.I.F. - CONTRACTOR TO VERIFY DIMENSION IN FIELD.
 - INDICATES SLOPE DIRECTION & INDICATES EXISTING ROOF PITCH.
 - H.P. - INDICATES HIGH POINT OF INSULATION.
 - ERD. - EXISTING ROOF DRAIN TO BE REMOVED. SEE DEMOLITION NOTES.
 - NRD. - ROOF DRAIN & SUMP TO BE INSTALLED. SEE DETAIL A/A5.
 - ORD. - OVERFLOW EMERGENCY DRAIN IN EXIST. LOCATION. SEE DETAIL A/A5.
 - R.L. - HORIZONTAL ROOF DRAIN LEADER. SEE CONSTRUCTION NOTE #4.
 - S.C. - EMERGENCY OVERFLOW SCUPPER. SEE DETAILS M & Q/A5.
 - C.B. - METAL COLLECTION BOX. SEE DETAIL R/A5.
 - D.S. - METAL DOWNSPOUT. SEE CONSTRUCTION NOTE #3.
 - V.S. - EXIST. VENT STACK. SEE DETAIL B/A5.
 - P.P. - PITCH POCKET DETAIL. SEE DETAIL D/A5.
 - F.U. - EXIST. ROOFTOP FAN UNIT. SEE DETAIL C/A5.
 - M.U. - EXIST. MECHANICAL UNIT. SEE DETAIL U/A5.
 - R.T.U. - EXIST. ROOFTOP MECH. UNIT. SEE DETAIL E/A5.
 - WALKWAY PADS. SEE CONSTRUCTION NOTE #2.
 - S.K. - SKYLIGHT. SEE DETAIL J/A5.
 - M.L. - METAL LADDER TO REMAIN.
 - E.C. - EXIST. CHIMNEY. SEE DETAIL H/A5.
 - E.J. - EXPANSION JOINT. SEE DETAIL T/A5.
 - R.H. - ROOF HATCH. SEE DETAIL F/A5.
 - D.W. - EXIST. MECH. UNIT DUCTWORK TO REMAIN. SEE DETAIL G/A5.
 - M.S. - EXIST. METAL STAIRCASE TO REMAIN.
 - R.D. - ROOF DIVIDER. SEE DETAIL X/A5.
 - N.L. - NEW METAL LADDER. SEE DETAIL N/A5.
 - S.H. - EXIST SMOKE HATCH TO REMAIN. SEE DETAIL Y/A5.

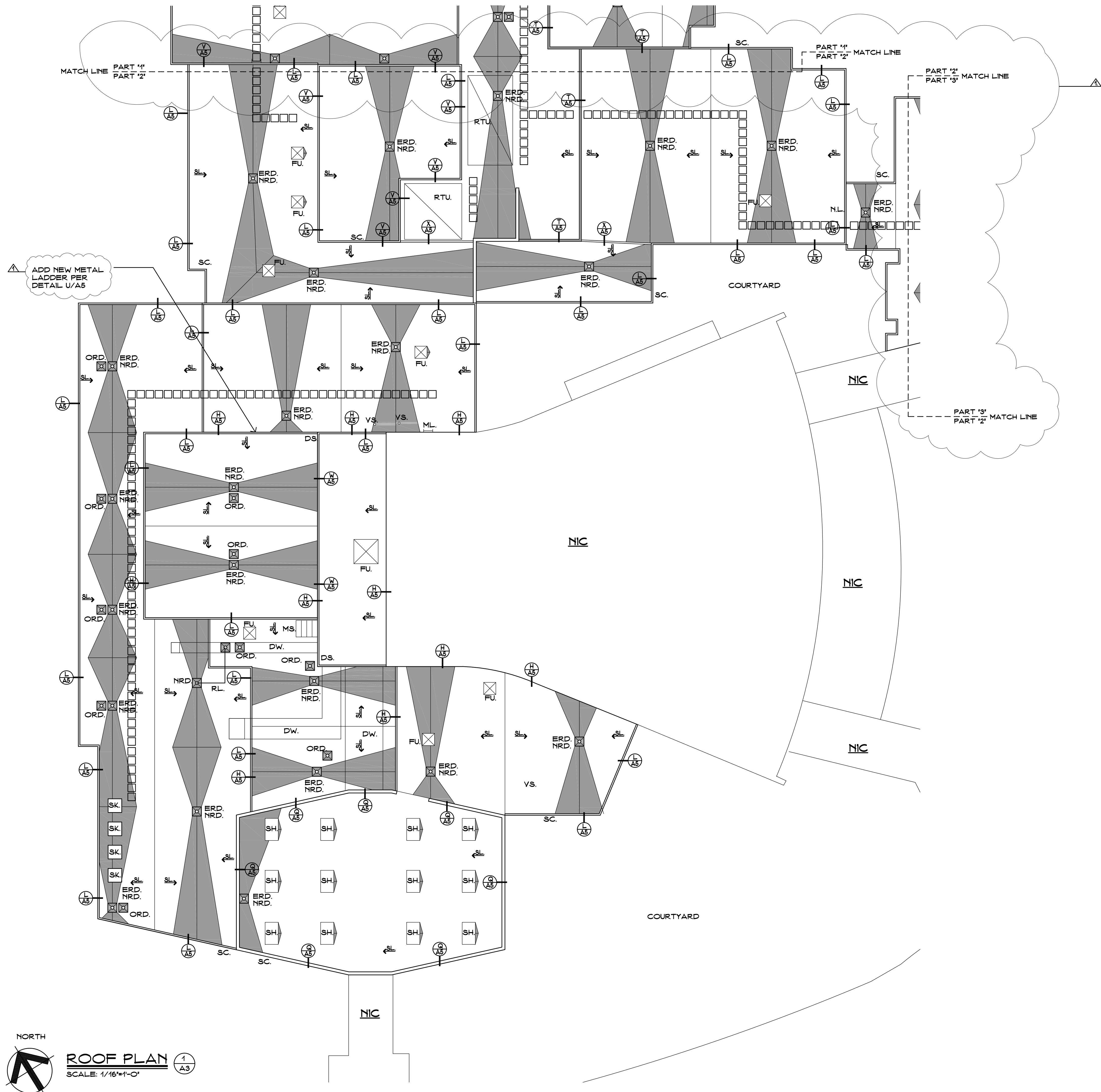


NOTE: EXIST. MECHANICAL UNIT TO BE REMOVED & REINSTALLED AS REQUIRED FOR NEW CURB & ROOFING OPERATIONS. EXTEND ALL ELECTRICAL WIRING & DUCTWORK AS REQUIRED.

RTU TERMINATION BAR DETAIL
SCALE: 1/4" = 1'-0"

- CONSTRUCTION NOTES** (X)→
- CONTRACTOR TO PROVIDE A SPECIFIED QUANTITY OF EXISTING DECK REPAIR & REPLACEMENT. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
 - WALKWAY PADS TO BE INSTALLED. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
 - INSTALL NEW METAL DOWNSPOUTS @ ALL INDICATED SCUPPER LOCATIONS. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
 - HORIZONTAL ROOF LEADER (MATCH DIAMETER OF EXIST.) ABOVE CEILING SLOPED @ 1/8" PER FT. MIN. THE VERTICAL LEADERS INTO EXIST. PIPING AS REQD. SEAL ALL PENETRATIONS THROUGH WALLS W/FIRE PUTTY AS REQD. BY CODE. PATCH & REPAIR ALL AREAS DAMAGED BY INSTALLATION OF NEW PIPING.
 - EXIST. ELECTRICAL CONDUIT TO REMAIN. CONTRACTOR TO TEMPORARILY REMOVE & REINSTALL PER NEW ROOF INSULATION HEIGHTS. SEE DETAIL K/A5.
 - EXISTING GAS PIPING TO BE DISCONNECTED & PURGED. RAISE EXISTING GAS PIPING AS REQUIRED TO ACCOMMODATE NEW ROOFING INSULATION HEIGHTS. PROVIDE NEW PIPING EXTENSIONS, JOINTS & FITTINGS & RECONNECT TO EXISTING GAS MAIN. INSTALL ALL EXIST. & NEW GAS PIPING ON NEW PIPE CURBS 24" O.C. PRIME & PAINT ALL EXISTING & NEW GAS PIPING. SEE PROJECT MANUAL.
 - EXISTING ROOFTOP MECHANICAL UNIT. RAISE ENTIRE UNIT MIN. 8" ABOVE HIGH POINT OF NEW ROOF INSULATION. EXTEND ALL DUCTWORK & ELECTRICAL WIRING. SEE DETAIL A/A2 & PROJECT MANUAL.
 - ALL EXISTING METAL STAIRCASES ARE TO BE TEMPORARILY REMOVED DURING CONSTRUCTION, MODIFIED AS NEEDED TO COMPENSATE FOR NEW ROOF INSULATION HEIGHTS & REINSTALLED.

- DEMOLITION NOTES** (X)→
- REMOVE ALL EXISTING EPDM ROOFING & INSULATION.
 - REMOVE ALL INDICATED EXISTING WOOD BLOCKING.
 - REMOVE ALL INDICATED EXISTING METAL FLASHING.
 - REMOVE EXISTING SKYLIGHTS.
 - REMOVE EXISTING ROOF DRAINS & SUMP.



- SYMBOL LEGEND**
- PLAN, SECTION, DETAIL OR ELEVATION NUMBER - SHEET NUMBER.
 - EXISTING OUTLINE OF BUILDING.
 - INDICATES SLOPE DIRECTION OF TAPERED INSULATION AT 1/4" FT. MIN.
 - TAPERED INSULATION CRICKET SLOPED @ 1/4" FT.
 - CONTRACTOR TO VERIFY DIMENSION IN FIELD.
 - INDICATES SLOPE DIRECTION & INDICATES EXISTING ROOF PITCH.
 - INDICATES HIGH POINT OF INSULATION.
 - EXISTING ROOF DRAIN TO BE REMOVED. SEE DEMOLITION NOTES.
 - ROOF DRAIN & SUMP TO BE INSTALLED. SEE DETAIL A/A5.
 - OVERFLOW EMERGENCY DRAIN IN EXIST. LOCATION. SEE DETAIL A/A5.
 - HORIZONTAL ROOF DRAIN LEADER. SEE CONSTRUCTION NOTE #4.
 - EMERGENCY OVERFLOW SCUPPER. SEE DETAILS M & Q/A5.
 - METAL COLLECTION BOX. SEE DETAIL R/A5.
 - METAL DOWNSPOUT. SEE CONSTRUCTION NOTE #3.
 - EXIST. VENT STACK. SEE DETAIL B/A5.
 - PITCH POCKET DETAIL. SEE DETAIL D/A5.
 - EXIST. ROOFTOP FAN UNIT. SEE DETAIL C/A5.
 - EXIST. MECHANICAL UNIT. SEE DETAIL U/A5.
 - EXIST. ROOFTOP MECH. UNIT. SEE DETAIL E/A5.
 - WALKWAY PADS. SEE CONSTRUCTION NOTE #2.
 - SKYLIGHT. SEE DETAIL J/A5.
 - METAL LADDER TO REMAIN.
 - EXIST. CHIMNEY. SEE DETAIL H/A5.
 - EXPANSION JOINT. SEE DETAIL T/A5.
 - ROOF HATCH. SEE DETAIL F/A5.
 - EXIST. MECH. UNIT DUCTWORK TO REMAIN. SEE DETAIL G/A5.
 - EXIST. METAL STAIRCASE TO REMAIN.
 - ROOF DIVIDER. SEE DETAIL X/A5.
 - NEW METAL LADDER. SEE DETAIL N/A5.
 - EXIST SMOKE HATCH TO REMAIN. SEE DETAIL Y/A5.

DEMOLITION NOTES (X)→

1. REMOVE ALL EXISTING EPDM ROOFING & INSULATION.
2. REMOVE ALL INDICATED EXISTING WOOD BLOCKING.
3. REMOVE ALL INDICATED EXISTING METAL FLASHING.
4. REMOVE EXISTING SKYLIGHTS.
5. REMOVE EXISTING ROOF DRAINS & SUMP.

CONSTRUCTION NOTES (X)→

1. CONTRACTOR TO PROVIDE A SPECIFIED QUANTITY OF EXISTING DECK REPAIR & REPLACEMENT. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
2. WALKWAY PADS TO BE INSTALLED. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
3. INSTALL NEW METAL DOWNSPOUTS @ ALL INDICATED SCUPPER LOCATIONS. SEE PROJECT MANUAL FOR ADDITIONAL INFORMATION.
4. HORIZONTAL ROOF LEADER (MATCH DIAMETER OF EXIST.) ABOVE CEILING SLOPED @ 1/8" PER FT. MIN. TIE VERTICAL LEADERS INTO EXIST. PIPING AS REQD. SEAL ALL PENETRATIONS THROUGH WALLS W/FIRE PUTTY AS REQD BY CODE. PATCH & REPAIR ALL AREAS DAMAGED BY INSTALLATION OF NEW PIPING.
5. EXIST. ELECTRICAL CONDUIT TO REMAIN. CONTRACTOR TO TEMPORARILY REMOVE & REINSTALL PER NEW ROOF INSULATION HEIGHTS. SEE DETAIL K/A5.
6. EXISTING GAS PIPING TO BE DISCONNECTED & PURGED. RAISE EXISTING GAS PIPING AS REQUIRED TO ACCOMMODATE NEW ROOFING INSULATION HEIGHTS. PROVIDE NEW PIPING EXTENSIONS, JOINTS & FITTINGS & RECONNECT TO EXISTING GAS MAIN. INSTALL ALL EXIST. & NEW GAS PIPING ON NEW PIPE CURBS 24" O.C. PRIME & PAINT ALL EXISTING & NEW GAS PIPING. SEE PROJECT MANUAL.
7. EXISTING ROOFTOP MECHANICAL UNIT. RAISE ENTIRE UNIT MIN. 8" ABOVE HIGH POINT OF NEW ROOF INSULATION. EXTEND ALL DUCTWORK & ELECTRICAL WIRING. SEE DETAIL A/A2 & PROJECT MANUAL.
8. ALL EXISTING METAL STAIRCASES ARE TO BE TEMPORARILY REMOVED DURING CONSTRUCTION. MODIFIED AS NEEDED TO COMPENSATE FOR NEW ROOF INSULATION HEIGHTS & REINSTALLED.

ROOF AREAS

ROOF '1' 43,419 SF.	ROOF '16' 3,284 SF.
ROOF '2' 1,500 SF.	ROOF '17' 103 SF.
ROOF '3' 608 SF.	ROOF '18' 22,748 SF.
ROOF '4' 689 SF.	ROOF '19' 3,836 SF.
ROOF '5' 18,18 SF.	ROOF '20' 3,832 SF.
ROOF '6' 12,252 SF.	ROOF '21' 8,122 SF.
ROOF '7' 14,799 SF.	ROOF '22' 17,41 SF.
ROOF '8' 2,244 SF.	ROOF '23' 763 SF.
ROOF '9' 16,538 SF.	ROOF '24' 2,080 SF.
ROOF '10' 5,793 SF.	ROOF '25' 3,051 SF.
ROOF '11' 4,261 SF.	ROOF '26' 4,765 SF.
ROOF '12' 2,169 SF.	ROOF '27' 16,049 SF.
ROOF '13' 5,053 SF.	ROOF '28' 3,267 SF.
ROOF '14' 2,352 SF.	ROOF '29' 20,281 SF.
ROOF '15' 103 SF.	

TOTAL FLAT ROOFS: 206,998 SF.
THIS AREA IS APPROXIMATE- V.I.P.

ENERGY CONSERVATION

IECC CODE REQUIREMENT R-VALUE TOTAL
CONNECTICUT ZONE 5A
CBSC REQUIREMENT: R-30 = U-0.0333

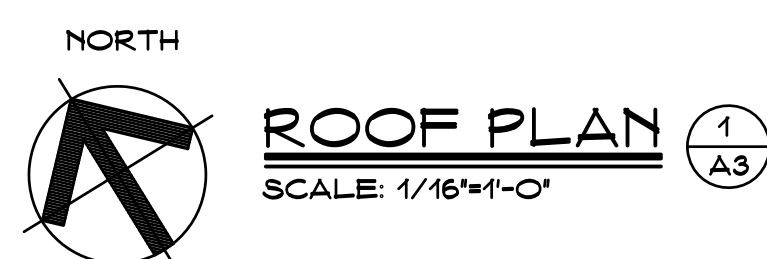
CODE INFORMATION

USE GROUP : E
CONSTRUCTION CLASS: 2B
BASIC WIND SPEED: 110 MPH
RISK CATEGORY #3: 134 MPH
FACTORY MUTUAL ENGINEERING & RESEARCH CORPORATION (FM): ROOF ASSEMBLY
CLASSIFICATION OF NON-COMBUSTIBLE
CONSTRUCTION WIND UPLIFT REQUIREMENT OF
1-60 FOR FIELD, 1-90 FOR PERIMETER AND 1-120
FOR CORNERS, IN ACCORDANCE WITH FM
PROPERTY LOSS PREVENTION DATA SHEETS 1-28.

ROOF ASSEMBLY

OUTSIDE AIR	0.17
EPDM	0.33
COVER BOARD	2.20
5" POLYISO INSUL.	29.5
EXISTING DECK	1.23
INSIDE AIR	0.61

R TOTAL: 34.22



ROOF PLAN (1)
SCALE: 1/16"=1'-0" (A3)

Project Title:
Westport Public Schools
Staples High School Partial Roof Replacement
70 North Avenue
Westport, Connecticut 06880



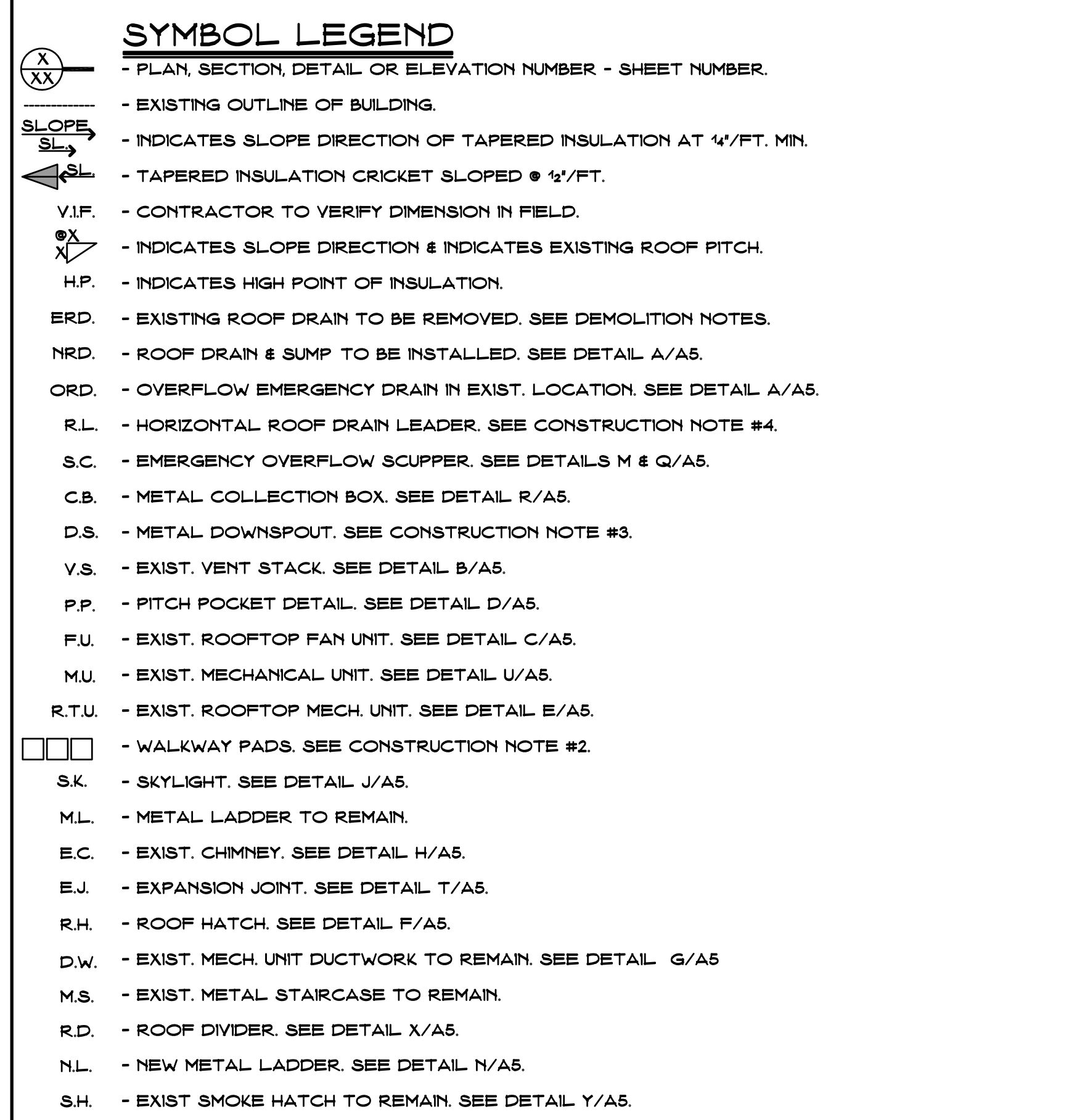
SILVER / PETRUCELLI + ASSOCIATES
Architects / Engineers / Interior Designers
3190 Whitney Avenue, Hamden, CT 06518-2340
One Post Hill Place, New London, CT 06320
Tel. 203 230 9007 Fax. 203 230 8247
silverpetrucelli.com

Revision:	Description:	Date:	Revised By:
4.	APPENDUM #1	9/22/22	K.LINSLEY

Drawing Title:
Roof Plan Part 2
STATE PROJECT #158-0100 RR

Date:
SEPTEMBER 3, 2021
Scale:
1/16"=1'-0"
Drawn By:
K. LINSLEY
Project Number:
21.132

A3



1. REMOVE ALL EXISTING EPDM ROOFING & INSULATION.
2. REMOVE ALL INDICATED EXISTING WOOD BLOCKING.
3. REMOVE ALL INDICATED EXISTING METAL FLASHING.
4. REMOVE EXISTING SKYLIGHTS.
5. REMOVE EXISTING ROOF DRAINS & SUMP.

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ROOF '11	43,419	SF	ROOF '16	3,284	SF
ROOF '12	15,000	SF	ROOF '17	103	SF
ROOF '13	6018	SF	ROOF '18	22,748	SF
ROOF '14	6,691	SF	ROOF '19	3,835	SF
ROOF '15	1616	SF	ROOF '20	3,520	SF
ROOF '16	12,252	SF	ROOF '21	8,122	SF
ROOF '17	14,799	SF	ROOF '22	17,441	SF
ROOF '18	2,244	SF	ROOF '23	763	SF
ROOF '19	16,528	SF	ROOF '24	9,080	SF
ROOF '20	5,793	SF	ROOF '25	3,051	SF
ROOF '21	4,261	SF	ROOF '26	4,765	SF
ROOF '22	2,169	SF	ROOF '27	16,049	SF
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R TOTAL:	34.22

IECC CODE REQUIREMENT R-VALUE TOTAL
CONNECTICUT ZONE 5AIECC CODE REQUIREMENT R-VALUE TOTAL
CONNECTICUT ZONE 5A

COOPERATION

USE GROUP : E
CONSTRUCTION CLASS: 2B
BASIC WIND SPEED: 110 MPH
RISK CATEGORY #3: 134 MPH

FACTORY MUTUAL ENGINEERING & RESEARCH CORPORATION (FM): ROOF ASSEMBLY CLASSIFICATION OF NON-COMBUSTIBLE CONSTRUCTION, WIND UPLIFT REQUIREMENT OF 1-60 FOR FIELD, 1-90 FOR PERIMETER AND 1-120 FOR CORNERS, IN ACCORDANCE WITH FM PROPERTY LOSS PREVENTION DATA SHEETS 1-28.