

June 21, 2019

ADDENDUM #1

Roof Renovation Project
Manchester Regional Academy
Manchester, CT
Reference #2017-031A

REVISIONS TO SPECIFICATIONS:

None

REVISIONS TO DRAWINGS:

A2.1 – Roof Construction Plan Provide new cricket per the attached SKA1.1.

Attachments:

- Pre-bid Walkthrough Sign-In Sheet
- Sketch – Existing MRA Roof System Detail
- Test Cuts plan and photos
- SKA1.1 New Cricket Location

Submitted by:

Robert W. Roach, AIA
Vice President
Friar Architecture Inc.

RWR:rwr

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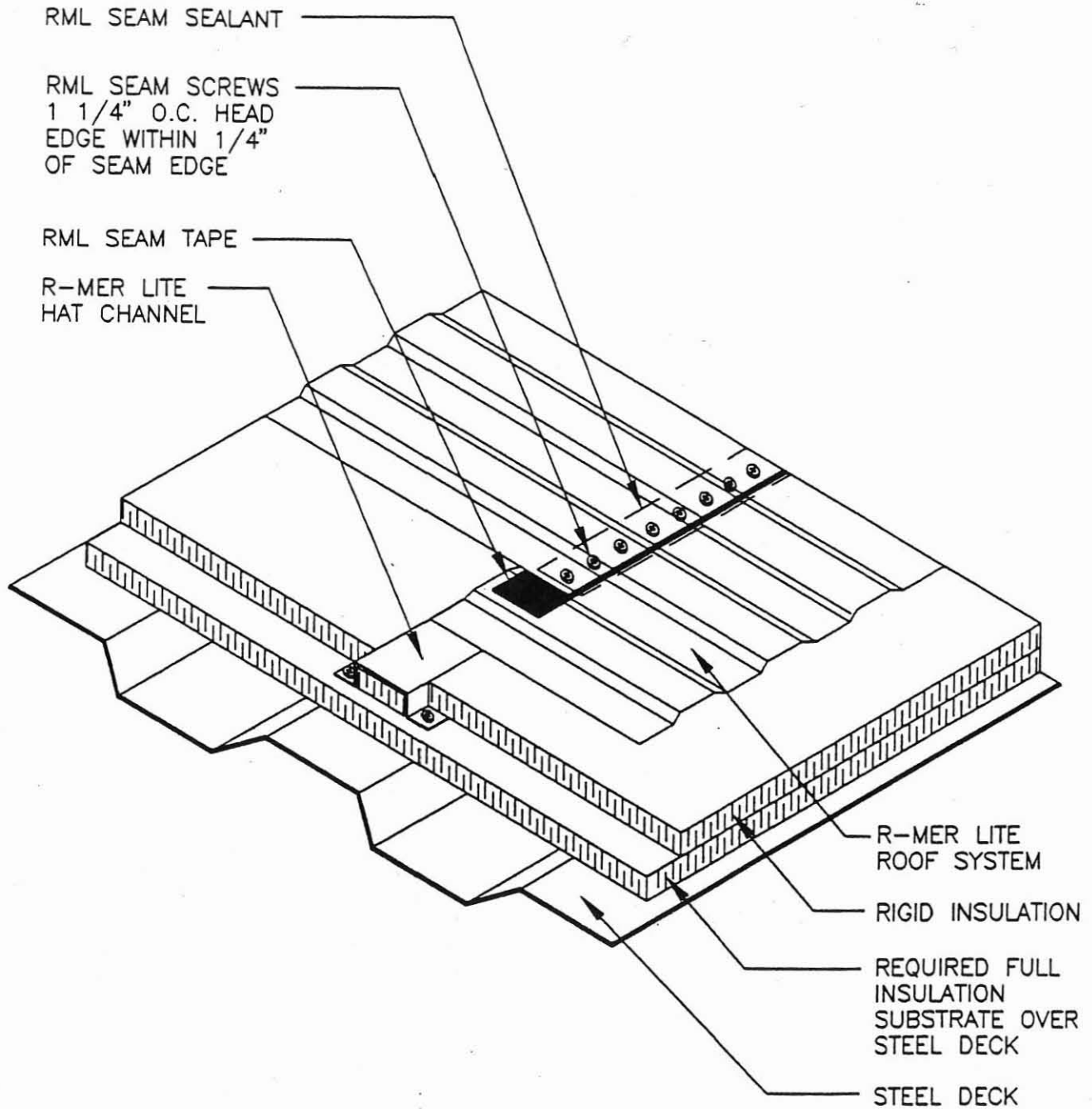
FRIAR ARCHITECTURE INC.**PRECONSTRUCTION MEETING****Meeting Date: June 18, 2019****Roof Renovation Project: Manchester Regional Academy
Manchester, CT****FAI #2017-031A****(PLEASE PRINT LEGIBLY)**

Representative Name	Company Name	email address
Tom Leith	New Britain Rfg.	NBR 987@YAHOO.COM
Beue Brunkner	Imperial Co	brueck@theimperialco.com
Samantha Ettore	Shoreline Restoration	shorelineresoration@comcast.net
Chris Heimer	Silk Town Roofing	chris@silktownroofing.com

TYPICAL R-MER LITE ROOF SYSTEM ON STEEL DECK

15

NOTE: MINIMUM SLOPE = 1/4" PER FOOT



THE GARLAND COMPANY INC.

12/94

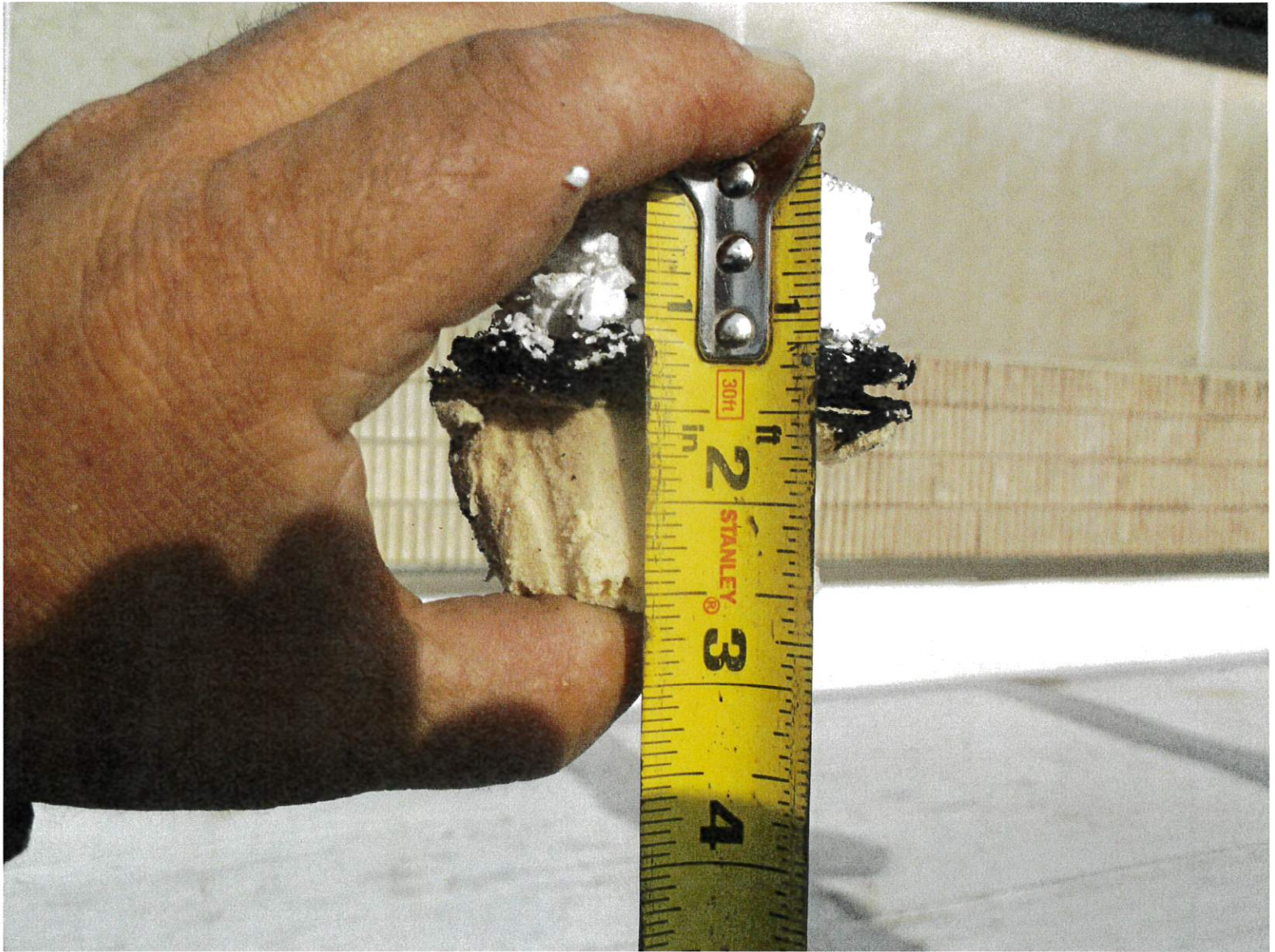
DATE:

ROOF AREA:

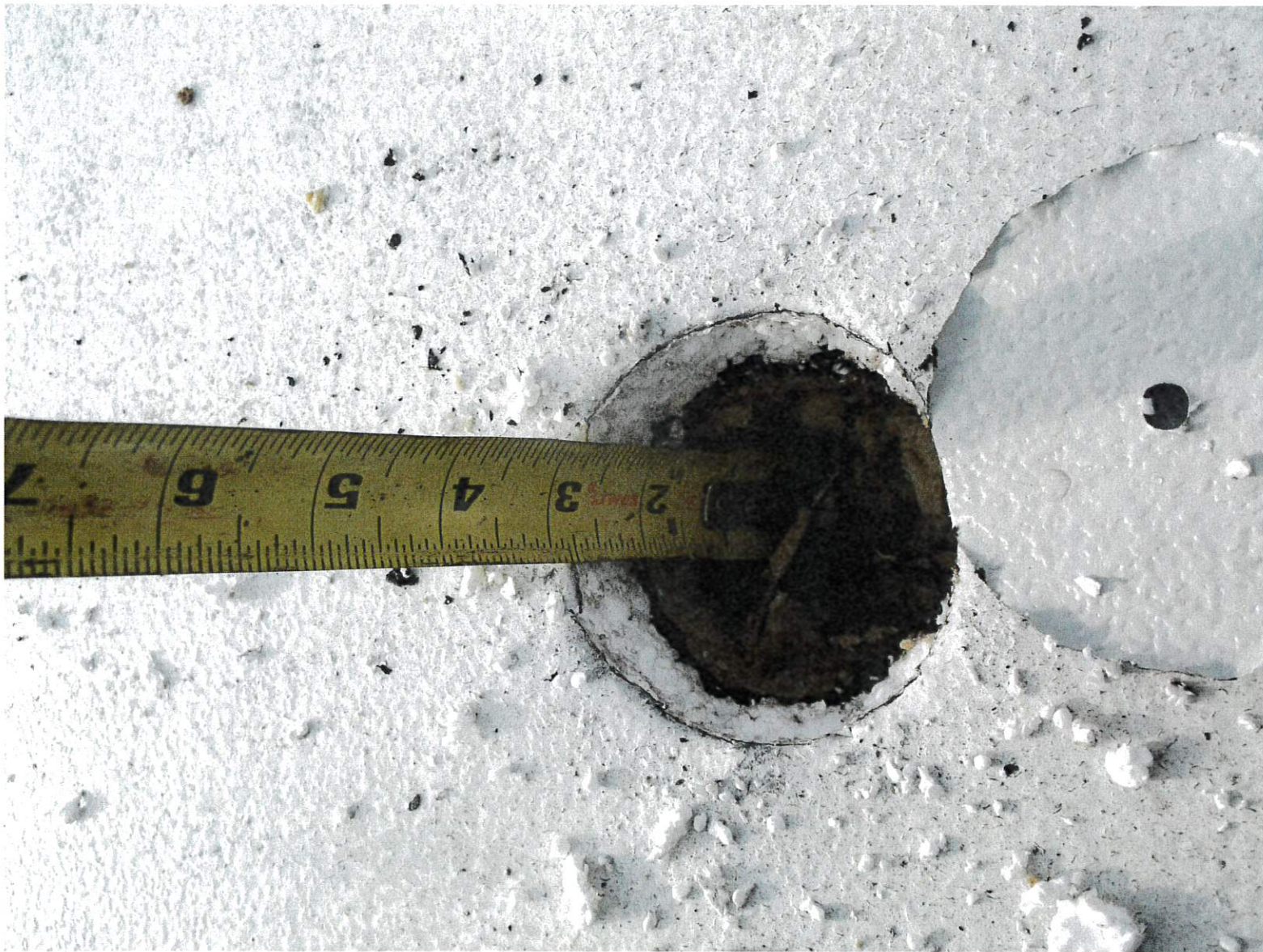








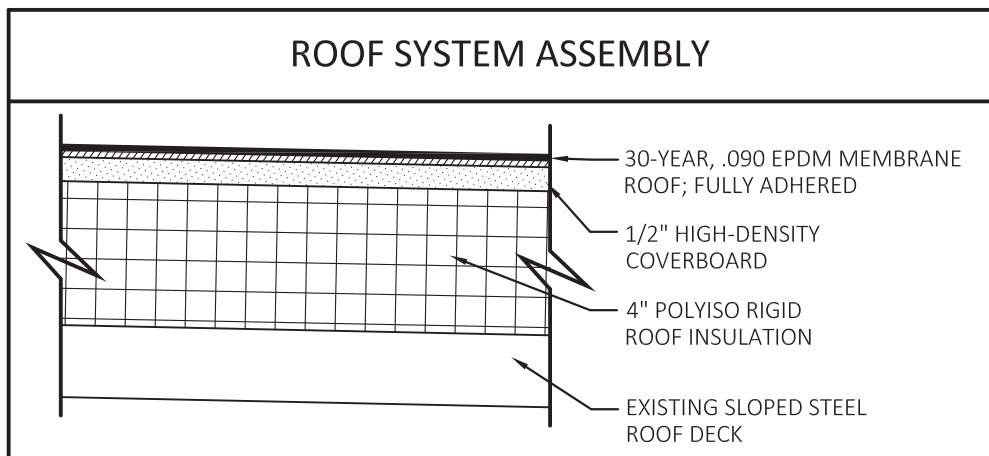












MATERIAL	R VALUE
OUTSIDE AIR	0.17
EPDM ROOF MEMBRANE (.090), FULLY ADHERED	0.5
1/2" HIGH DENSITY POLYISO COVER BOARD	2.5
4" RIGID ROOF INSULATION, AVERAGE MIN	24.0
STEEL ROOF DECK	0
INSIDE AIR FILM	0.68
TOTAL INSULATING MATERIAL	24.0
TOTAL ASSEMBLY CI PROVIDED	27.85
MIN. CI REQUIRED (per IECC C402.2)	25.0

WIND CODE DATA	
CLIMATE ZONE	5
RISK CATEGORY (per IBC TABLE 1604.5)	III
DESIGN WIND SPEED (per CT STATE BUILDING CODE)	135 mph
SURFACE ROUGHNESS CATEGORY (per IBC 1609.4.2)	B
IMPORTANCE FACTOR (I) (per ASCE 7, TABLE 7-4)	N/A

APPLICABLE CODES	
2016 CONNECTICUT STATE BUILDING CODE	
BUILDING	2012 INTERNATIONAL BUILDING CODE WITH CONNECTICUT STATE AMENDMENTS
FIRE SAFETY	2016 CONNECTICUT STATE FIRE SAFETY CODE
ACCESSIBILITY	ICC/ANSI A117.1, 2009 WITH CONNECTICUT STATE AMENDMENTS
PLUMBING	2012 INTERNATIONAL PLUMBING CODE WITH CONNECTICUT STATE AMENDMENTS
MECHANICAL	2012 INTERNATIONAL MECHANICAL CODE WITH CONNECTICUT STATE AMENDMENTS
ENERGY	2012 INT'L ENERGY CONSERVATION CODE WITH CONNECTICUT STATE AMENDMENTS
ELECTRICAL	2014 NFPA 70, NAT'L ELECTRICAL CODE WITH CONNECTICUT STATE AMENDMENTS
EXISTING	2012 INT'L EXISTING BUILDING CODE WITH CONNECTICUT STATE AMENDMENTS

CHAPTER 3: COMPLIANCE METHODS: WORK AREA COMPLIANCE METHOD PER SECTION 301.1.2

CHAPTER 5: CLASSIFICATION OF WORK: SECTION 503, ALTERATION LEVEL 1
503.1 SCOPE REFERS TO THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS (ROOF REPLACEMENT). THE SCOPE OF WORK AREA IS AN ALTERATION LEVEL 1.

503.2 APPLICATION - LEVEL 1 ALTERATIONS SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 7: ALTERATIONS - LEVEL 1

THE INTERNATIONAL EXISTING BUILDING CODE (IEBC).

THE ALTERATION MUST COMPLY WITH CHAPTER 7: SECTION 701 GENERAL - IN PARTICULAR SECTION 701.2 CONFORMANCE.

SECTION 706 STRUCTURAL - IN PARTICULAR SECTIONS 706.1 GENERAL, SECTION 706.2 ADDITION OR REPLACEMENT OF ROOFING OR REPLACEMENT OF EQUIPMENT AND SECTION 706.3 ADDITIONAL REQUIREMENTS FOR RE-ROOF PERMITS

SECTION 707 ENERGY REQUIREMENTS IN PARTICULAR SECTION 707.1 MINIMUM REQUIREMENTS

BY COMPLYING WITH THE APPLICABLE REQUIREMENTS OF CHAPTERS 7 OF THE 2012 INTERNATIONAL EXISTING BUILDING CODE (IEBC) THIS ALTERATION SHALL BE CONSIDERED IN COMPLIANCE.

EXISTING BUILDING INFORMATION

Date of Original Construction 1980 Renovations 1

1. GROUP CLASSIFICATION (Primary) E, EDUCATIONAL (Primary) (Primary)

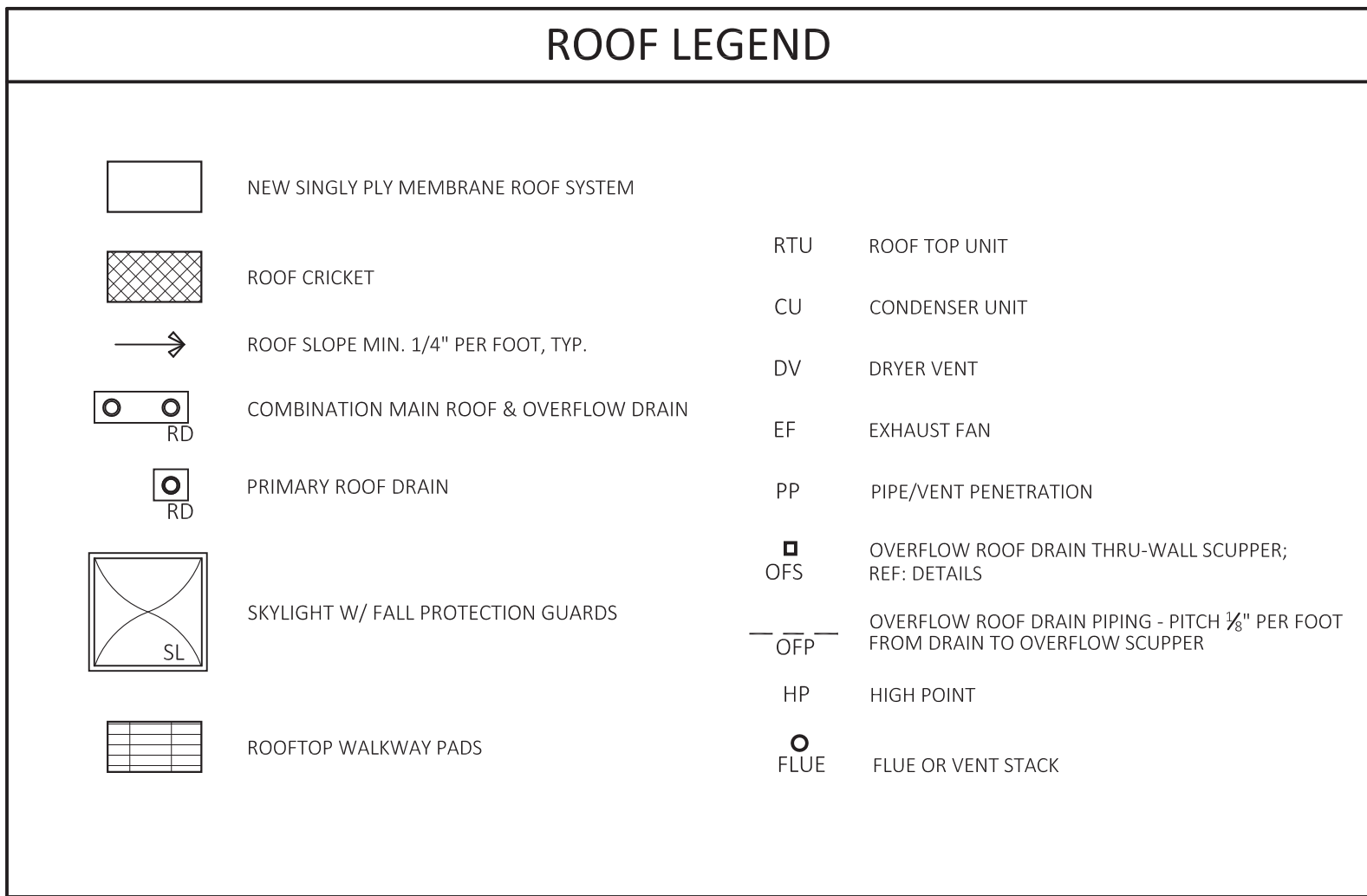
2. CONSTRUCTION TYPE Actual Type Provided 2B New Construction None

3. WORK AREA (WORK AREA) Existing Roof Area to be Replaced 22,311 s.f.

4. FIRE-RESISTANCE RATED REQUIREMENTS FOR BUILDING ELEMENTS (Table 601) 2B
Primary structural frame 0 Hr(s)
Bearing walls: Exterior 0 Hr(s) See Table 602 Interior 0 Hr(s)
Nonbearing walls and partitions (Exterior) 0 Hr(s) See Table 602 Nonbearing walls and partitions (Interior) 0 Hr(s)

Floor Construction and associated secondary members 0 Hr(s)
Roof Construction and associated secondary members 0 Hr(s)
Refer to Table 601 for all footnotes

5. SPRINKLER PROTECTION X None Provided



- ROOF PLAN KEY NOTES
- EXISTING METAL ROOF TO REMAIN
 - NEW SINGLE PLY MEMBRANE ROOF SYSTEM, WITH NEW CRICKETS, FLASHING, COPINGS & EQUIPMENT CURBS AS INDICATED ON PLAN AND IN DETAILS
 - NEW OVERFLOW DRAINS AT EXISTING LOCATIONS
 - EXISTING CONDENSER UNITS AND DUNNAGE TO REMAIN; PROVIDE FLASHING PER TYP. PIPE PENETRATION DETAIL; REF: 5/A3.1
 - EXISTING ROOF TOP UNIT TO BE REINSTALLED OVER NEW SLEEPERS
 - EXISTING ROOF HATCH WITH NEW GALVANIZED STEEL SAFETY RAILING AND POSTS WITH SELF CLOSING GATE; MOUNTED TO ROOF HATCH CURB
 - NEW ROOF WALKWAY PADS AS INDICATED ON PLAN
 - NEW THROUGH WALL OVERFLOW SCUPPER
 - NEW COMPRESSIBLE TUBE AND INSULATION EXISTING 1" BUILDING EXPANSION JOINT;
 - EXISTING ACCESS LADDER TO BE CLEANED, PREPPED AND PAINTED AS REQUIRED.
 - COORDINATE SCUPPER WITH EXISTING LOUVER AND WALL VENT, THIS LOCATION
 - NEW OVERFLOW ROOF DRAIN PIPING SHOWN AT APPROXIMATE LOCATIONS, EXACT LOCATIONS TO BE COORDINATED IN FIELD; WHERE PIPING PENETRATES FIRE RATED WALLS, FIRE RATING TO BE MAINTAINED PER DETAIL 6/A3.2. PROVIDE MIN PITCH OF 1/8" PER FOOT FROM DRAIN TO OVERFLOW SCUPPER, TYP.
 - PROVIDE SCUPPER AT ROOF EDGE AT LOCATION INDICATED TO ALLOW FOR OVERFLOW DRAINAGE
 - REPLACE ALL PITCH POCKETS PENETRATIONS, TYP.; REF: DETAIL 8/A3.1

- ROOF CONSTRUCTION GENERAL NOTES
- ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL CODES AND ORDINANCES.
 - DO NOT SCALE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION OF DIMENSIONS FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
 - CONTRACT DRAWINGS MAY VARY FROM ACTUAL FIELD CONDITIONS. CONTRACTOR SHALL CORRECT DIMENSIONS OF ALL MATERIALS TO CARRY OUT THE INTENT OF THE CONTRACT DRAWINGS. VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN FIELD BEFORE ORDERING ANY MATERIALS. CONTRACTOR SHALL NOTIFY ARCHITECT PROMPTLY OF ANY CRITICAL DISCREPANCIES BEFORE PROCEEDING WITH WORK.
 - ALL NEW WORK SHALL BE IMPLEMENTED SO AS TO PROVIDE A SMOOTH AND CONTINUOUS SURFACE WITH ALL EXISTING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY TO ACHIEVE THIS REQUIREMENT, EVEN THOUGH PROCEDURES ARE NOT DETAILED FOR EACH SPECIFIC CONDITION OR COMBINATION OF CONDITIONS. QUALITY OF WORKMANSHIP, MATERIALS AND FINISHES SHALL BE EQUAL TO THE LEVEL ESTABLISHED FOR SIMILAR CONSTRUCTION, EXCEPT WHERE EXISTING APPEARANCE IS TO BE MATCHED TO ACHIEVE CONTINUITY.
 - CUTTING AND PATCHING SHALL BE THE RESPONSIBILITY OF THE TRADE WHOSE WORK RESULTS IN THE NEED FOR CUTTING AND PATCHING UNLESS A SPECIFIC CONTRACTOR IS CALLED OUT ON THE DRAWINGS. ALL HOLES LEFT BY REMOVING MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT, ETC. SHALL BE PATCHED WITH LIKE MATERIALS.
 - THE EXISTING CONDITION OF THE BUILDING INTERIOR, EXTERIOR AND SITE SHALL NOT BE COMPROMISED DURING & AFTER THE PROJECT COMPLETION DUE TO THE CONSTRUCTION PROCESS AND/OR ANY ASSOCIATED ACTIVITY.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE TO THE EXISTING MECHANICAL, ELECTRICAL & PLUMBING PIPING, CONDUIT, DUCTWORK ETC. DUE TO THE ROOF DEMOLITION AND CONSTRUCTION PROCESS.
 - INSULATE ALL NEW OVERFLOW ROOF DRAIN PIPING FROM ROOF DRAIN TO EXTERIOR WALL CONSTRUCTION, TYPICAL. INSULATE ALL EXISTING & NEW MAIN ROOF DRAIN PIPING AT NEW ROOF DRAIN, TYPICAL.
 - ALL NEW OVERFLOW ROOF DRAIN PIPING TO BE PLASTIC PIPING (PVC) - REFER TO SPECIFICATIONS.

DATE: 3.9.18
DRAWN BY: LLB
SCALE: AS NOTED
REVIEWED BY: RR
PROJECT NO. 2017-031A

REVISIONS	
NO.	DESCRIPTION
1	BID APPROVAL
2	ISSUED FOR BID

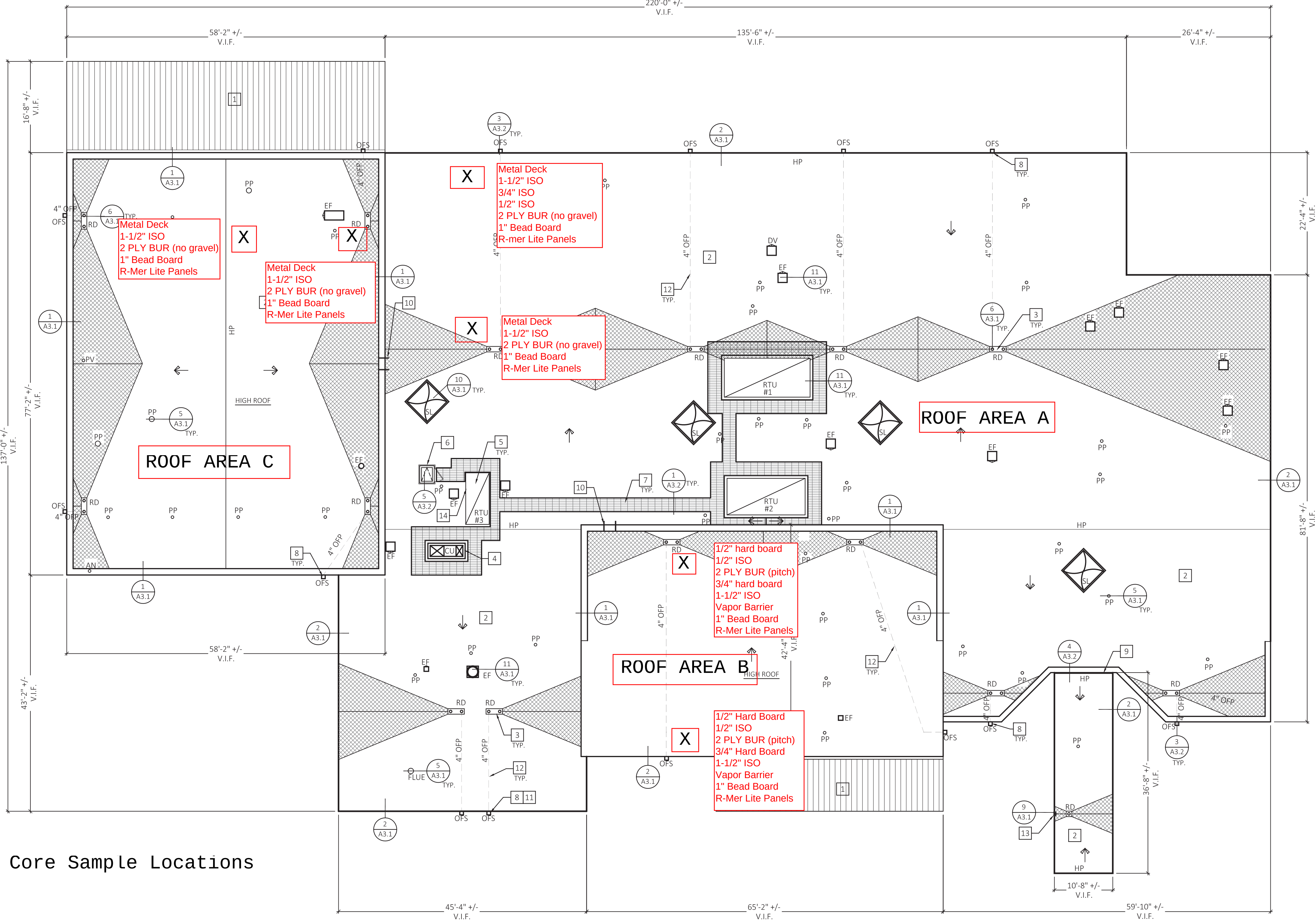
ROOF CONSTRUCTION PLAN

STATE PROJECT NO. 077-0237 RR
MANCHESTER REGIONAL ACADEMY
ROOF REPLACEMENT
665 WETHERELL STREET
MANCHESTER, CONNECTICUT

ARCHITECT'S SEAL

FRIAR
21 Talcott Notch Road
Farmington, CT 06032

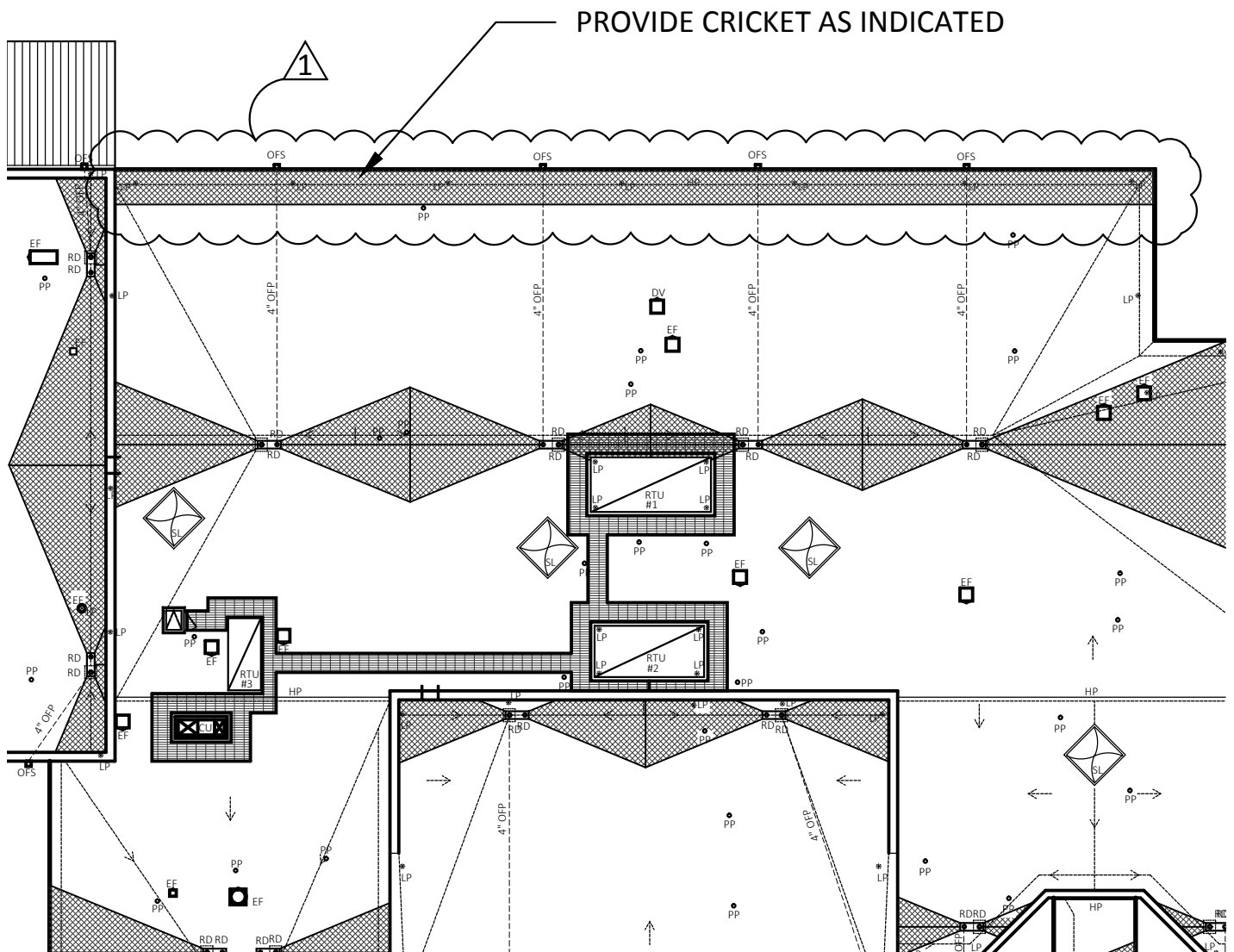
SHEET NO.
A2.1



X = Core Sample Locations

ROOF CONSTRUCTION PLAN

SCALE: 3/32"=1'-0"



DATE:
6/21/19

REV:
Add #1



21 Talcott Notch Rd.
Farmington, CT. 06032

STATE PROJECT NO. 077-0238 RR
MANCHESTER REGIONAL ACADEMY
ROOF REPLACEMENT

665 WETHERELL STREET
MANCHESTER, CONNECTICUT

ADDED CRICKET
LOCATION

SHEET NO.
SKA1.1