PARTIAL ROOF REPLACEMENT
FOR
ESSEX ELEMENTARY SCHOOL
REGIONAL SCHOOL DISTRICT #4

108 MAIN STREET – CENTERBROOK, CT

PREPARED FOR THE

TOWN OF ESSEX, CT

NORMAN NEEDLEMAN – FIRST SELECTMAN

AERIAL MAP

PREPARED BY

HIBBARD & ROSA ARCHITECTS, L.L.C.

363 MAIN STREET
MIDDLETOWN, CONNECTICUT 06457
(860) 346-1809

LIST OF DRAWINGS

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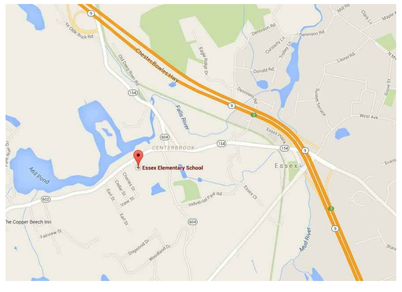
A–2	PLUMBING PLAN
A–3	ROOF DETAILS
A–4	ROOF DETAILS
A–5	ROOF DETAILS

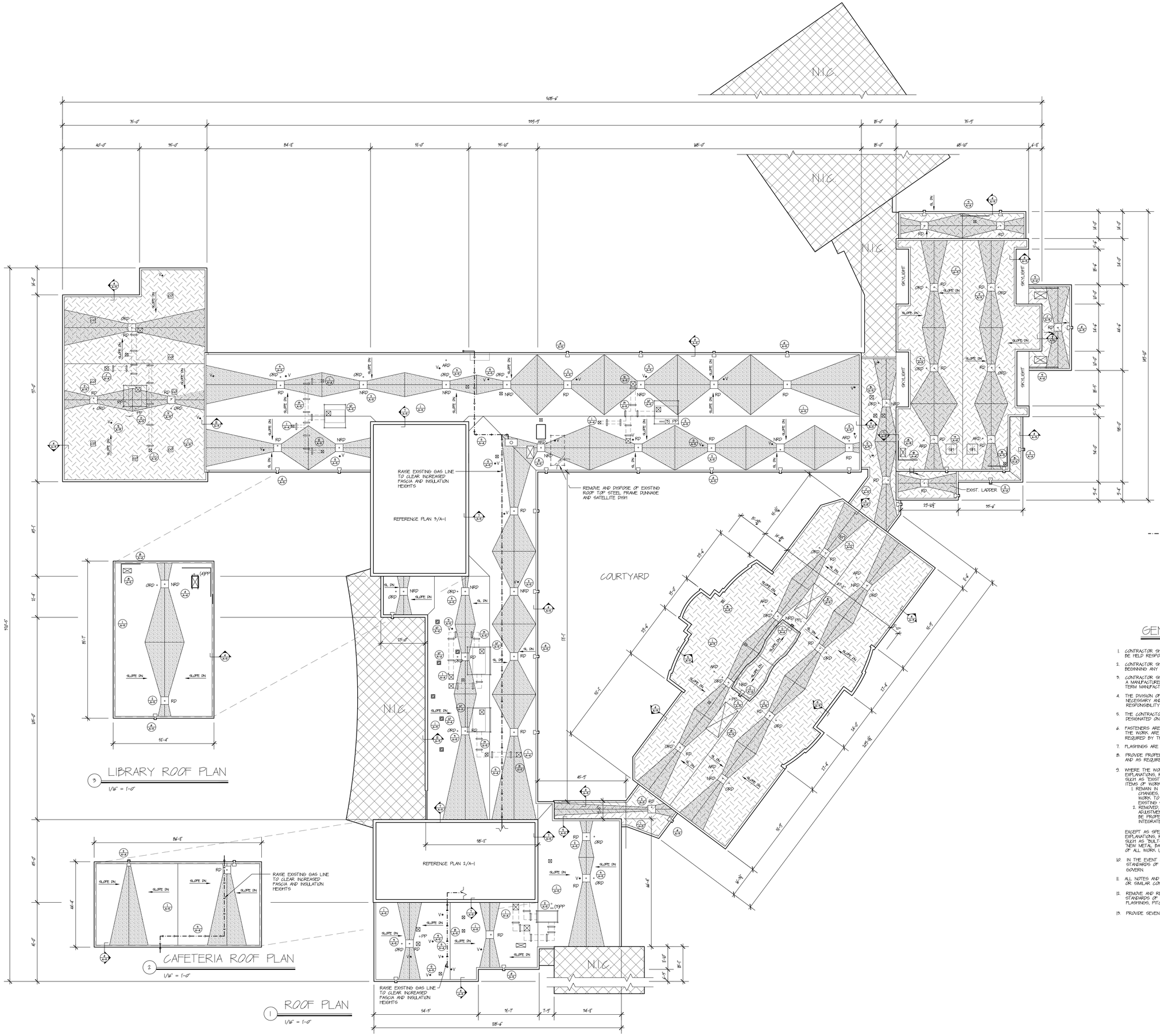
LOCATION MAP



MAY 01, 2015

COMM. NO. 1516

STATE PROJECT # TMP-050-BTJV



LEGEND – ROOF

- TPA MEMBRANE SET IN ADHESIVE ON GLASS REINFORCED GYPSUM BOARD SET IN ADHESIVE ON 1/4" PER FT. TAPERED INSULATION SET IN ADHESIVE ON FLAT STOCK INSULATION SET IN ADHESIVE ON TEGTUM DECK.
- TPA MEMBRANE SET IN ADHESIVE ON GLASS REINFORCED GYPSUM BOARD SET IN ADHESIVE ON 1/4" PER FT. TAPERED INSULATION SET IN ADHESIVE ON FLAT STOCK INSULATION MECHANICALLY ATTACHED TO METAL DECK DECK.
- NOT IN CONTRACT (NIC)
- CRICKET (SLOPE: 1" PER FT)
- SECTION MARK
- DETAIL BUTTON
- RD — EXISTING ROOF DRAIN TO BE REMOVED. INSTALL NEW ROOF DRAIN ASSEMBLY
- NRD — NEW ROOF DRAIN ASSEMBLY TO BE INSTALLED.
- ORD — OVERFLOW ROOF DRAIN
- ARD — ABANDONED ROOF DRAIN
- OVERFLOW SCUPPER
- PRIMARY SCUPPER W/ RWL
- HVAC UNIT RAISED ON PIPE STANCHIONS AND STEEL DUNNAGE. DUCTWORK SUPPORTED ON EQUIPMENT CURBS.
- MECHANICAL UNIT
- DUCTWORK ABOVE ROOF, MOUNTED ON EQUIPMENT SUPPORTS
- V — PLUMBING VENT
- PP — PITCH POCKET
- EXIST. MECH/HVAC UNIT ON DUNNAGE REMOVE AND REINSTALL
- S — 4' X 4' SKYLIGHT W/ LIGHT SHAFT & DIFFUSER
- EXPANSION JOINT.
- COVERED OPENINGS: REMOVE AND INFILL FLUSH WITH DECK
- ROOF HATCH
- SH — EXISTING SMOKE HATCH – REMOVE AND REINSTALL
- RAISE EXISTING GAS LINE AND PROVIDE PIPE SUPPORTS @ 8'-0" O.C. MAX
- REMOVE AND DISPOSE OF EXISTING ROOF TOP STEEL FRAME DUNNAGE AND SATELLITE DISH
- BALLASTED GUARDRAIL

GENERAL NOTES – ROOF

1. CONTRACTOR SHALL TAKE AND VERIFY ALL DIMENSIONS IN THE FIELD, AND SHALL BE HELD RESPONSIBLE FOR THE SAME.
2. CONTRACTOR SHALL TAKE AND VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGINNING ANY WORK, AND NOTIFY OWNER OF ANY DISCREPANCIES.
3. CONTRACTOR SHOULD FULLY UNDERSTAND THAT THE WORK INCLUDES THE USE OF A MANUFACTURER'S CERTIFIED/APPROVED INSTALLERS IN ORDER TO OBTAIN LONG TERM MANUFACTURER'S GUARANTEE.
4. THE DIVISION OF WORK AMONG THE VARIOUS TRADES OR SUBCONTRACTORS (IF ANY) NECESSARY AND THE COORDINATING OF THE TOTAL WORK IS THE CONTRACTOR'S RESPONSIBILITY.
5. THE CONTRACTOR SHALL CONFINE MOVEMENTS ON THE OWNERS PROPERTY TO AREAS DESIGNATED ON THE SITE PLAN AND AS DESIGNATED AT THE PRE-CONSTRUCTION
6. FASTENERS ARE MECHANICAL FASTENERS OR AS INDICATED. FASTENERS USED IN THE WORK ARE TO PROVIDE 1 1/2" PENETRATION INTO THE SUBSTRATE OR AS REQUIRED BY THE FASTENER MANUFACTURER.
7. FLASHINGS ARE TO BE INSTALLED IN A WATER-SHEDDING FASHION.
8. PROVIDE PROPER TYPE CAULKING/SEALANT IN ALL AREAS INDICATED ON DRAWINGS AND AS REQUIRED FOR A WATERTIGHT ROOF.
9. WHERE THE WORD "EXISTING" APPEARS WITH DESCRIPTIONS, NOTATIONS, DIRECTIVES, EXPLANATIONS, REQUIREMENTS, ETC., THROUGH OUT THE DRAWINGS AND SPECIFICATIONS, SUCH AS "EXISTING METAL DECK", "EXISTING BRICK WALL", THE REFERRED TO ITEM OR ITEMS OF WORK SHALL BE UNDERSTOOD AS MEANING WORK TO:
   1. REMAIN IN PLACE WITHOUT MAJOR CHANGES, BUT, SHALL INCLUDE ALL OTHER CHANGES, ADJUSTMENTS, REQUIREMENTS, ETC., NECESSARY FOR THE ITEMS OF WORK TO BE PROPERLY INTEGRATED INTO AND COMBINED WITH THE NEW AND EXISTING SPECIFIED WORK IN THE CONTRACT, OR
   2. REMOVED, DISPOSED OF AND/OR REINSTALLED, INCLUDING ALL CHANGES, ADJUSTMENTS, REQUIREMENTS, ETC., NECESSARY FOR THE ITEMS OF WORK TO BE PROPERLY DEMOLISHED, REMOVED, CHANGED, ADJUSTED, AND PROPERLY INTEGRATED AND COMBINED WITH NEW AND EXISTING WORK SPECIFIED IN THE

   EXCEPT AS SPECIFIED ABOVE, ALL OTHER DESCRIPTIONS, NOTATIONS, DIRECTIVES, EXPLANATIONS, REQUIREMENTS, ETC., THROUGH OUT THE DRAWINGS AND SPECIFICATIONS, SUCH AS "BUILT-UP ROOF SYSTEM", "METAL BASE FLASHING", "BUILT-UP ROOF SYSTEM", "NEW METAL BASE FLASHING", SHALL BE UNDERSTOOD AS MEANING ALL REQUIREMENTS OF ALL WORK UNDER THE CONTRACT.
10. IN THE EVENT OF CONFLICT BETWEEN APPLICABLE CODES AND REGULATIONS AND THE STANDARDS OF THE CONTRACT DOCUMENTS, THE MORE STRINGENT PROVISIONS SHALL GOVERN.
11. ALL NOTES AND DIMENSIONS DESIGNATED AS TYPICAL (TYP.) APPLY TO ALL LIKE OR SIMILAR CONDITIONS THROUGHOUT THE DRAWINGS.
12. REMOVE AND REINSTALL MISCELLANEOUS ITEMS FOUND ON THE ROOF WHICH WILL STANDARDS OF INTERFERE WITH THE INSTALLATION OF THE NEW ROOF. PROVIDE ALL FLASHINGS, PITCH POCKETS, ETC., REQUIRED FOR A WATERTIGHT ROOF.
13. PROVIDE SEVEN SPLASH BLOCKS. INSTALL WHERE DIRECTED BY ARCHITECT.

PROJECT NORTH

ROOF REPLACEMENT FOR ESSEX ELEMENTARY SCHOOL
108 MAIN STREET
CENTERBROOK, CT

HRA
HIBBARD & ROSA ARCHITECTS, LLC
948 MAIN STREET
MIDDLETOWN, CT.
PHONE: (860) 346-1809
FAX: (860) 724-8148
EMAIL: hr@hrabz

ROOF PLAN

DATE: MAY 1, 2018

REVISED:

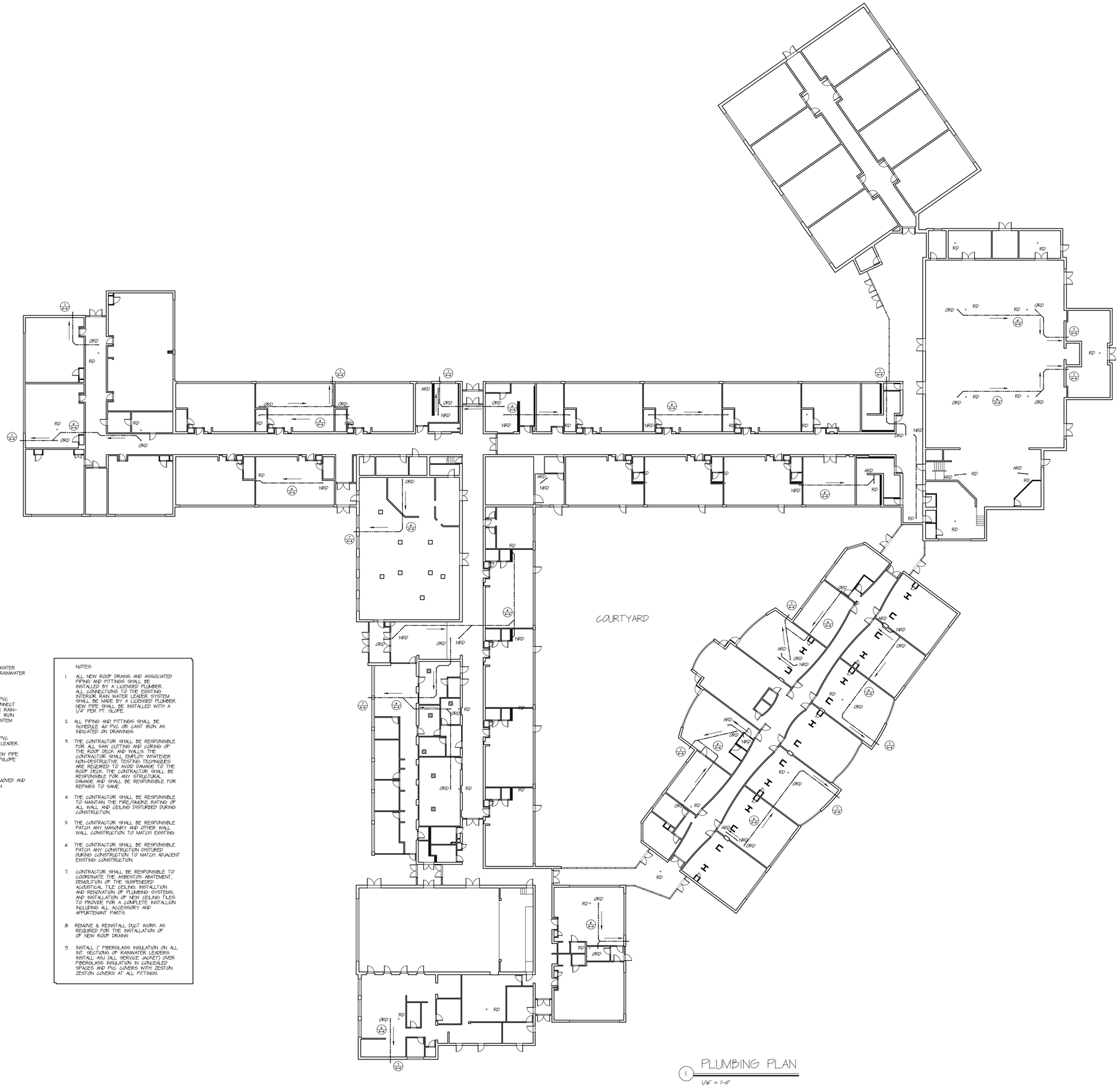
STATE PROJECT #
TMP-050-BTJV

CON. # 156

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

A-1

SHEET



LEGEND – PLUMBING

	EXIST. INTERIOR CAST IRON RAINWATER LEADER AND EXISTING VERTICAL RAINWATER LEADER
	NEW HORIZONTAL SCHEDULE 40 PVC INTERIOR RAINWATER LEADER. CONNECT NEW SCHEDULE 40 PVC INTERIOR RAIN-WATER LEADER TO EXITING CAST IRON INTERIOR RAINWATER LEADER SYSTEM. NEW PIPE I.D. SHALL BE 4"
	NEW HORIZONTAL SCHEDULE 40 PVC INTERIOR OVERFLOW RAINWATER LEADER. CONNECT TO OVERFLOW NOZZLE PENETRATING EXTERIOR WALL. NEW PIPE I.D. SHALL BE 4". MINIMUM PITCH/SLOPE OF 1/4" PER FT.
• RD	EXISTING ROOF DRAIN TO BE REMOVED AND REPLACED WITH NEW ROOF DRAIN
• NRD	NEW ROOF DRAIN
• ORD	NEW OVERFLOW ROOF DRAIN
• ARD	ABANDONED ROOF DRAIN

NOTES:

1. ALL NEW ROOF DRAINS AND ASSOCIATED PIPING AND FITTINGS SHALL BE INSTALLED BY A LICENSED PLUMBER. ALL CONNECTIONS TO THE EXISTING INTERIOR RAIN WATER LEADER SYSTEM SHALL BE MADE BY A LICENSED PLUMBER. NEW PIPE SHALL BE INSTALLED WITH A 1/4" PER FT. SLOPE.
2. ALL PIPING AND FITTINGS SHALL BE SCHEDULE 40 PVC OR CAST IRON AS INDICATED ON DRAWINGS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAW CUTTING AND CORING OF THE ROOF DECK AND WALLS. THE CONTRACTOR SHALL EMPLOY WHATEVER NON-DESTRUCTIVE TESTING TECHNIQUES ARE REQUIRED TO AVOID DAMAGE TO THE ROOF DECK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY STRUCTURAL DAMAGE AND SHALL BE RESPONSIBLE FOR REPAIRS TO SAME.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN THE FIRE/SMOKE RATING OF ALL WALL AND CEILING DISTURBED DURING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE PATCH ANY MASONRY AND OTHER WALL WALL CONSTRUCTION TO MATCH EXISTING.
6. THE CONTRACTOR SHALL BE RESPONSIBLE PATCH ANY CONSTRUCTION DISTURED DURING CONSTRUCTION TO MATCH ADJACENT EXISTING CONSTRUCTION.
7. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE THE ASBESTOS ABATEMENT, DEMOLITION OF THE SUSPENDED ACOUSTICAL TILE CEILING, INSTALLTION AND RENOVATION OF PLUMBING SYSTEMS, AND INSTALLATION OF NEW CEILING TILES TO PROVIDE FOR A COMPLETE INSTALLION INCLUDING ALL ACCESSORY AND APPURTENANT PARTS.
8. REMOVE & REINSTALL DUCT WORK AS REQUIRED FOR THE INSTALLATION OF OF NEW ROOF DRAINS
9. INSTALL 1" FIBERGLASS INSULATION ON ALL INT. SECTIONS OF RAINWATER LEADERS. INSTALL ASJ (ALL SERVICE JACKET) OVER FIBERGLASS INSULATION IN CONCEALED SPACES AND PVC COVERS WITH ZESTON ZESTON COVERS AT ALL FITTINGS.

1 PLUMBING PLAN
1/16" = 1'-0"

PROJECT NORTH

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HRA
HIBBARD & ROSA ARCHITECTS, LLC
363 MAIN STREET
MIDDLETOWN, CT
PHONE: (860) 346-1809
FAX: (860) 704-8248
EMAIL: hra@hra.bz

PLUMBING PLAN

DATE: MAY 1, 2015
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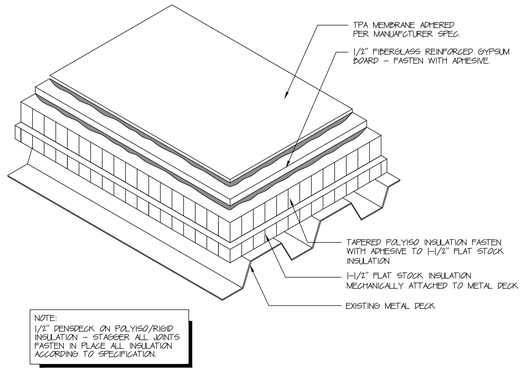
COM. # 1516
SCALE: 1/16" = 1'-0"

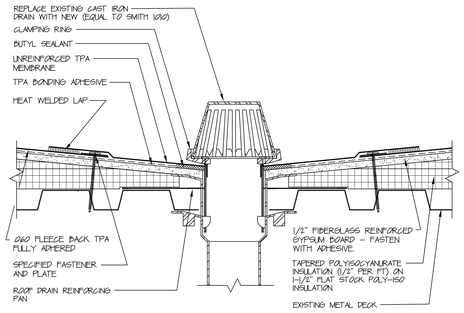
A-2
SHEET



NOTE:
1/2" DENSDECK ON POLYISO/RIGID INSULATION – STAGGER ALL JOINTS FASTEN IN PLACE ALL INSULATION ACCORDING TO SPECIFICATION

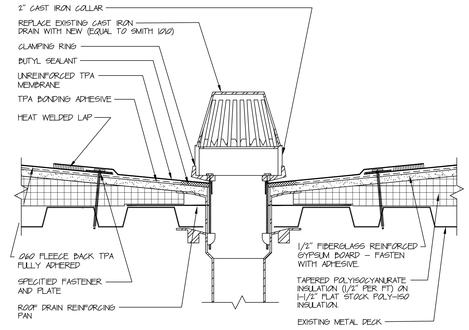
TYPICAL TPA MEMBRANE ON METAL DECK

1 N.T.S.



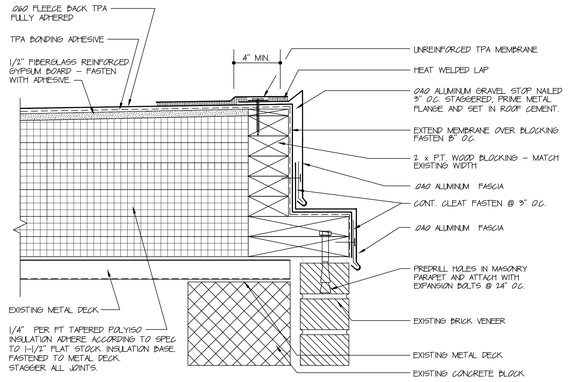
ROOF DRAIN – METAL DECK

2 3" = 1'-0"



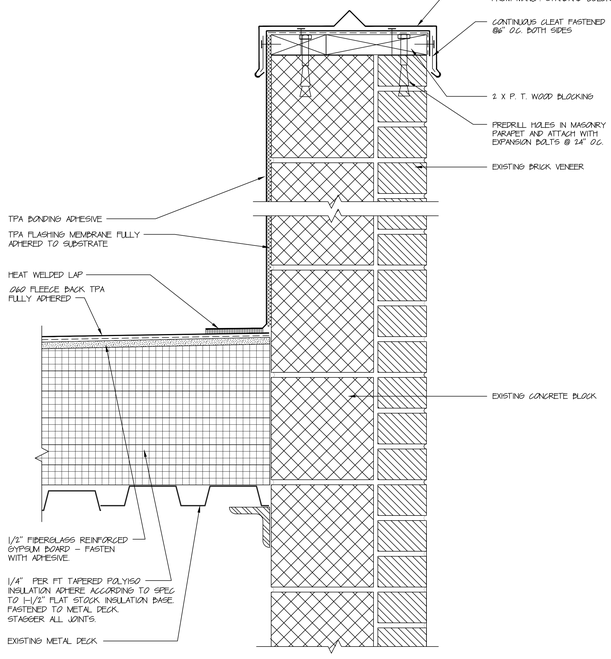
OVERFLOW ROOF DRAIN – METAL DECK

3 3" = 1'-0"



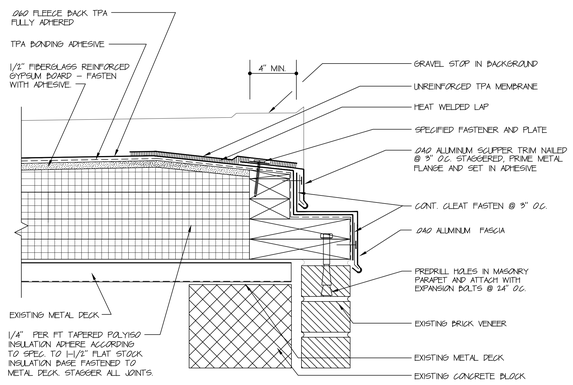
GRAVEL STOP DETAIL

4 3" = 1'-0"



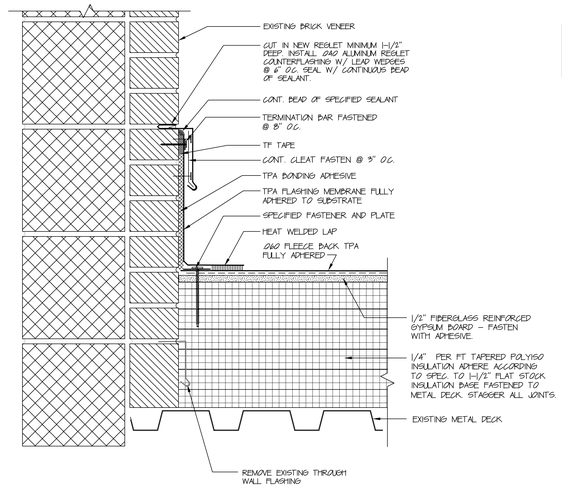
COPING CAP DETAIL

5 3" = 1'-0"



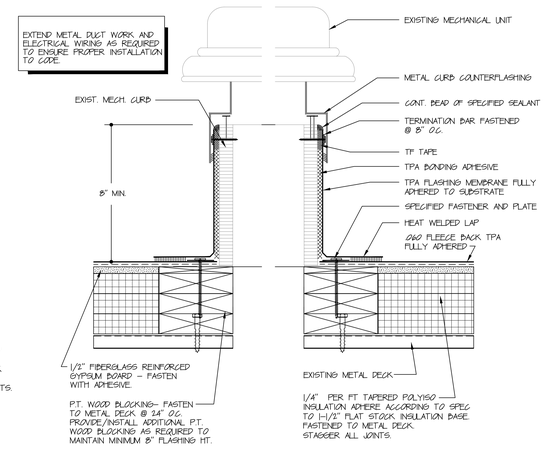
OVERFLOW SCUPPER

6 3" = 1'-0"



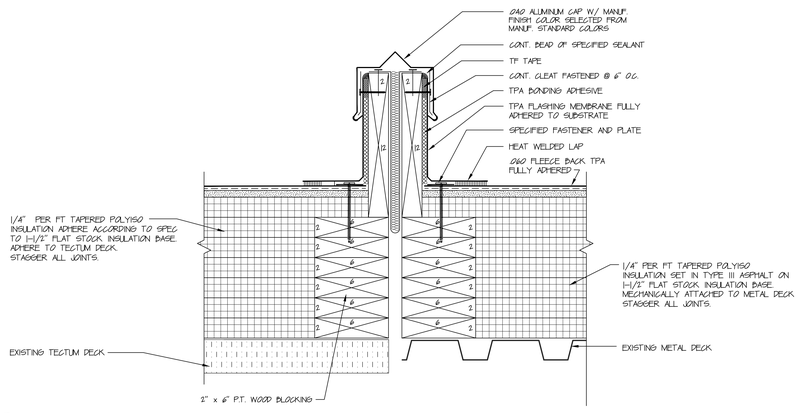
REGLET FLASHING DETAIL

7 3" = 1'-0"



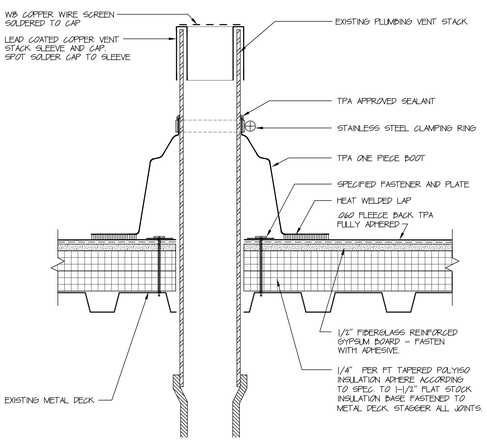
MECHANICAL CURB DETAIL

8 3" = 1'-0"



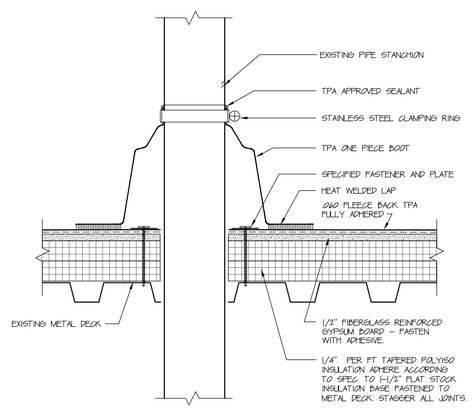
EXPANSION JOINT

12 3" = 1'-0"



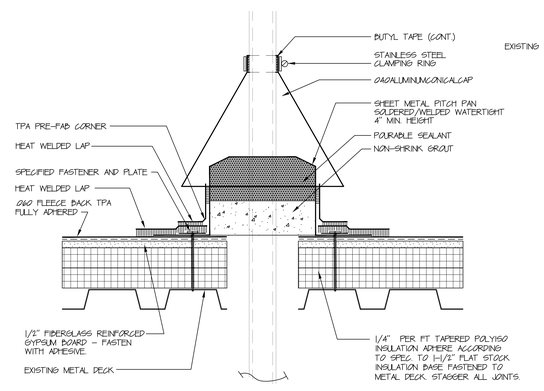
PLUMBING VENT

9 3" = 1'-0"



PIPE STANCHION

10 3" = 1'-0"



PITCH POCKET

11 3" = 1'-0"

ROOF REPLACEMENT FOR
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HRA
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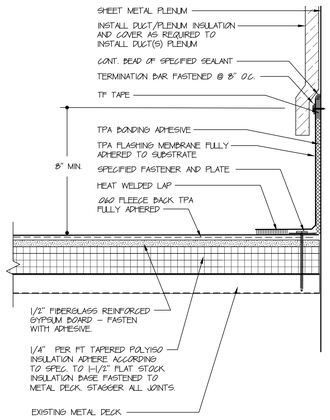
969 MAIN STREET
MIDDLETOWN, CT.
PHONE: (860) 346-8609
FAX: (860) 704-8148
EMAIL: hr@hrabz

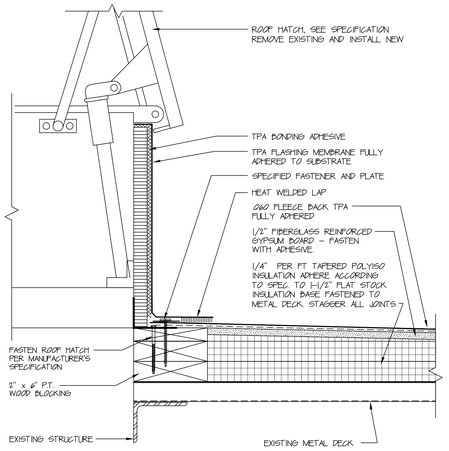
ROOF DETAILS

DATE:	MAY 1, 2015
REVISED:	
STATE PROJECT #	TMP-050-BTJN
CON. #	156
SCALE:	3" = 1'-0"

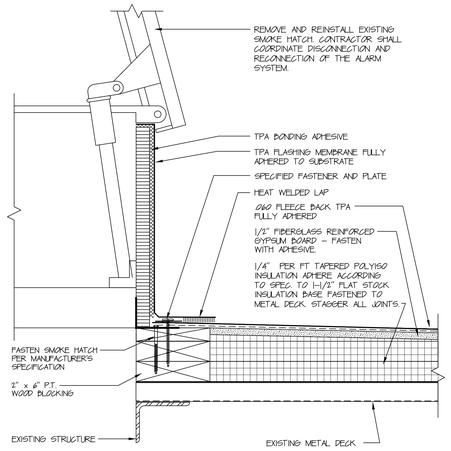
A-3
SHEET



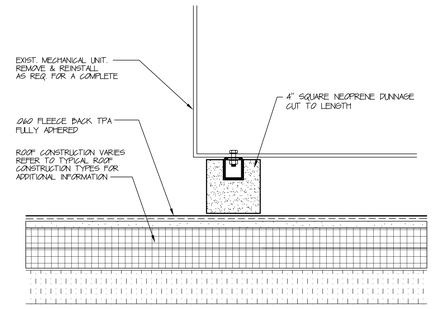
1 DUCT FLASHING
3" = 1'-0"



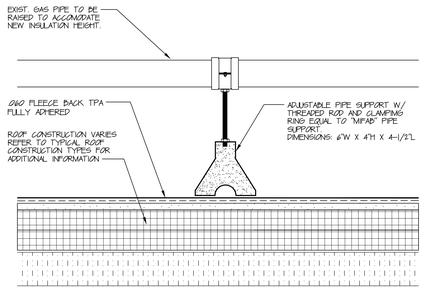
2 ROOF HATCH DETAIL
3" = 1'-0"



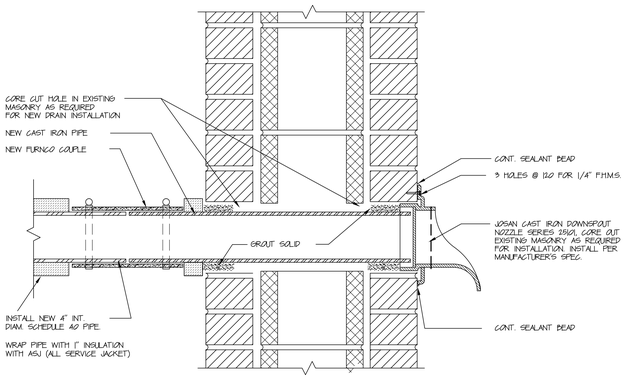
3 SMOKE HATCH DETAIL
3" = 1'-0"



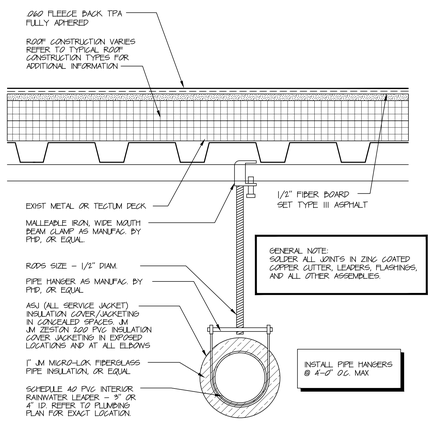
4 DUNNAGE DETAIL
3" = 1'-0"



5 PIPE SUPPORT
3" = 1'-0"



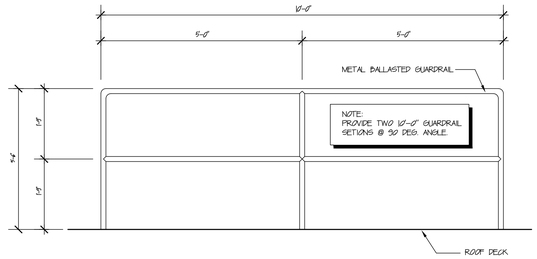
6 DOWNSPOUT NOZZLE
3" = 1'-0"



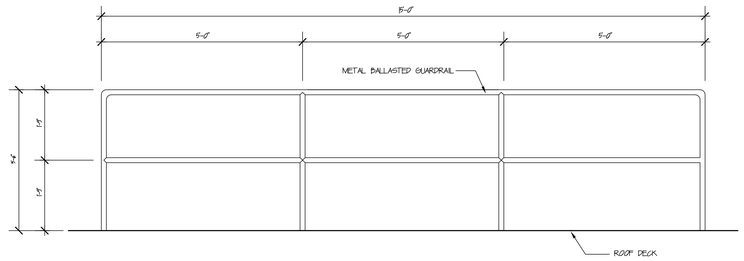
GENERAL NOTE:
SOLDER ALL JOINTS IN ZINC COATED COPPER GUTTER, LEADERS, FLASHINGS, AND ALL OTHER ASSEMBLIES.

INSTALL PIPE HANGERS @ 4'-0" O.C. MAX

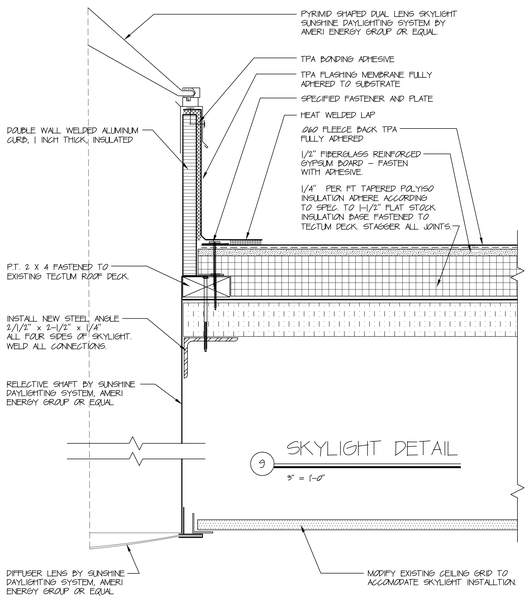
7 PIPE HANGER
3" = 1'-0"



8 GUARDRAIL – L SHAPE
3/4" = 1'-0"

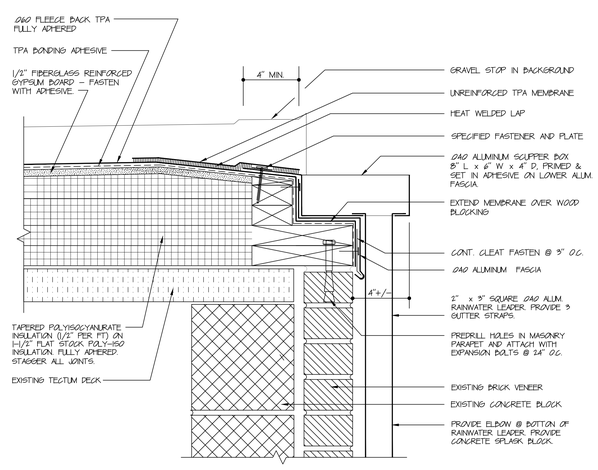


9 GUARDRAIL – STRAIGHT RUN
3/4" = 1'-0"



9 SKYLIGHT DETAIL
3" = 1'-0"

10 SKYLIGHT DETAIL
3/4" = 1'-0"



11 PRIMARY SCUPPER
3" = 1'-0"

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PHONE: (860) 346-1809
FAX: (860) 724-8148
EMAIL: hr@hr.arb.z

ROOF DETAILS

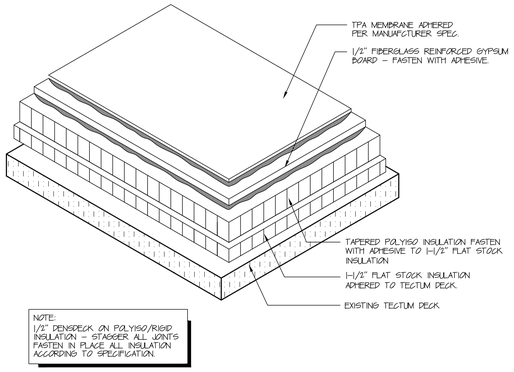
DATE: MAY 1, 2016
REVISED:

STATE PROJECT #
TMP-050-BTJV

CON. # 1516

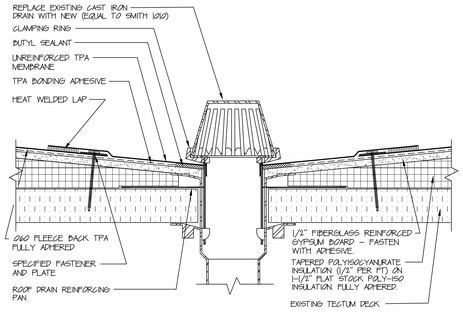
SCALE: 3" = 1'-0"

A-4
SHEET



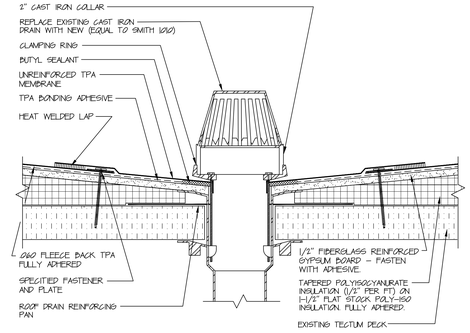
TYPICAL TPA MEMBRANE ON TECTUM DECK

1 N.T.S.



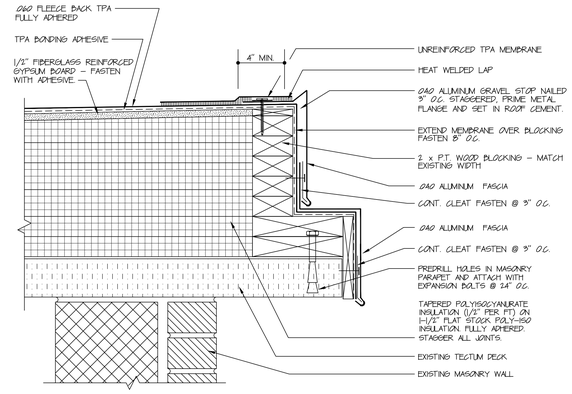
ROOF DRAIN – METAL DECK

2 3" = 1'-0"



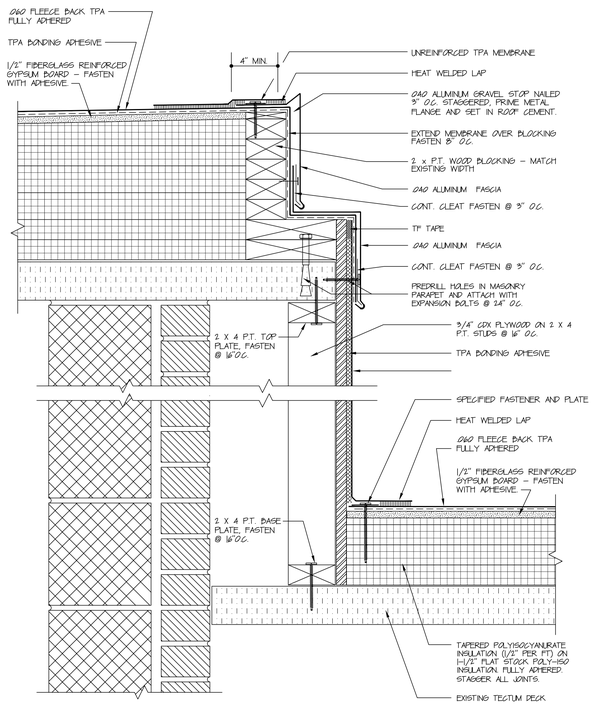
OVERFLOW ROOF DRAIN – METAL DECK

3 3" = 1'-0"



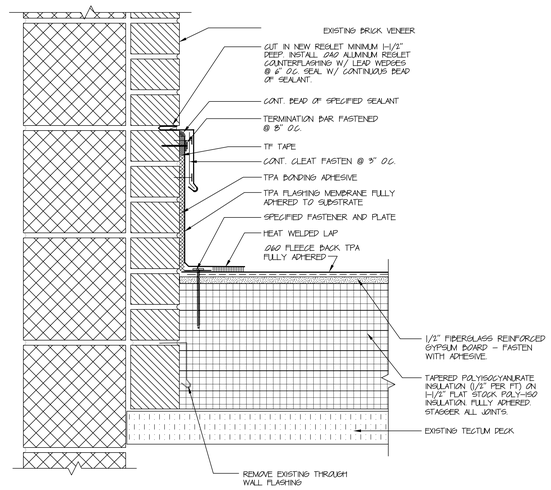
GRAVEL STOP DETAIL

4 3" = 1'-0"



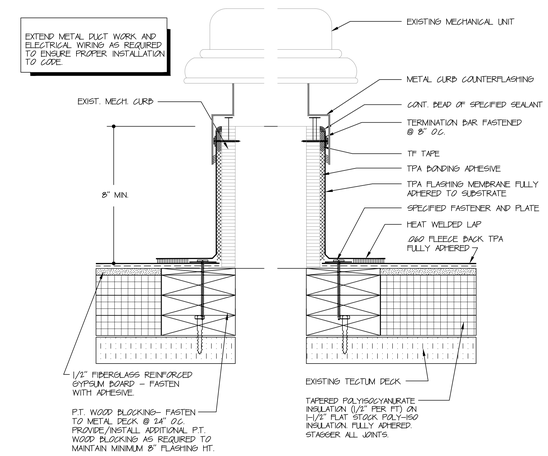
FASCIA/BASE TRANSITION DETAIL

5 3" = 1'-0"



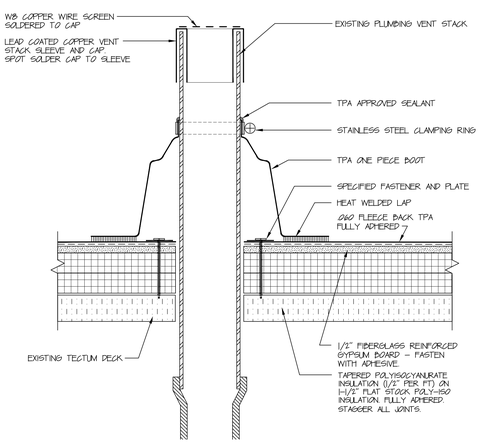
REGLET FLASHING DETAIL

7 3" = 1'-0"



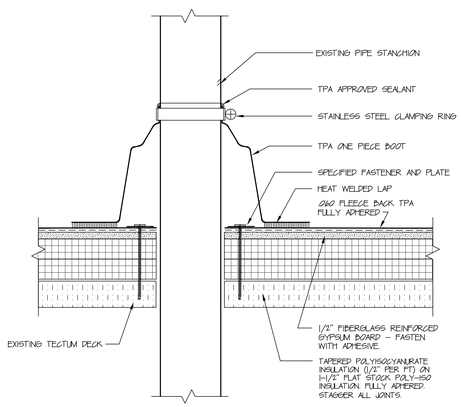
MECHANICAL CURB DETAIL

8 3" = 1'-0"



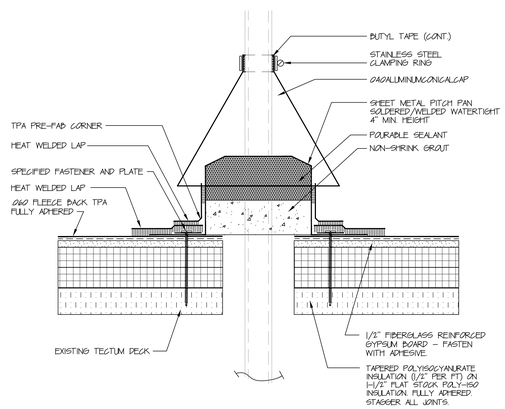
PLUMBING VENT

9 3" = 1'-0"



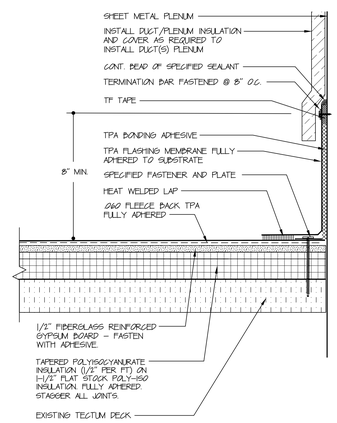
PIPE STANCHION

10 3" = 1'-0"



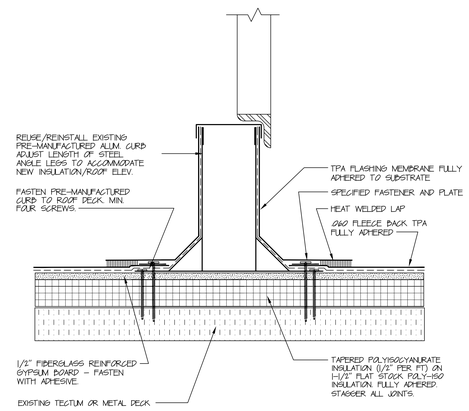
PITCH POCKET

11 3" = 1'-0"



DUCT FLASHING

12 3" = 1'-0"



PREMANUFACTURED CURBS

13 3" = 1'-0"

ROOF REPLACEMENT FOR
ESSEX ELEMENTARY SCHOOL
108 MAIN STREET
CENTERBROOK, CT

HRA
HIBBARD & ROSA ARCHITECTS, LLC
908 MAIN STREET
MIDDLETOWN, CT.
PHONE: (860) 346-1809
FAX: (860) 724-8148
EMAIL: hra@hraarch.com

ROOF DETAILS

DATE:	MAY 1, 2015
REVISED:	
STATE PROJECT #	TMP-050-BTJN
CON. #	156
SCALE:	3" = 1'-0"

A-5

SHEET