Project Summary

This summary of work is intended to assist with an initial understanding of the work. It is not intended to be all inclusive.

The scope of work includes, but not limited to the demolition of existing slate roof, batten seam roof and related flashing and accessories, demolition of abandoned ventilation shafts. Infill same roof openings with construction to match existing thickness. Installation of new slate roof shingles, copper batten roof at eaves, and related flashing and accessories. Miscellaneous carpentry work and painting to select areas. New flashing at existing roof penetrations, chimney, etc.

Alternate: Omit installation of new batten seam roof at eaves of main roof. Provide slate shingle to eaves and new copper lining at existing gutters. (verify condition of gutter system.)

Aerial Photo

Photo

William E. Frost School ~ Soon After It Was Built in 1908

Roof Replacement to:

The William E. Frost School Building

73 Main Street
Westford, Massachusetts

July 16, 2013

DRAWING LIST

T-1 Title Sheet

ARCHITECTURAL

D1.0 ROOF DEMOLITION PLAN
A1.0 ROOF PLAN
A3.0 SECTIONS
A4.0 DETAILS
A4.1 FLASHING DETAILS & ALTERNATE DETAIL

OWNER/CLIENT

Town of Westford

Town Hall
55 Main Street
Westford, MA 01886
Tel: 978-692-5500

ARCHITECT

GIENAPP DESIGN
ARCHITECTURE
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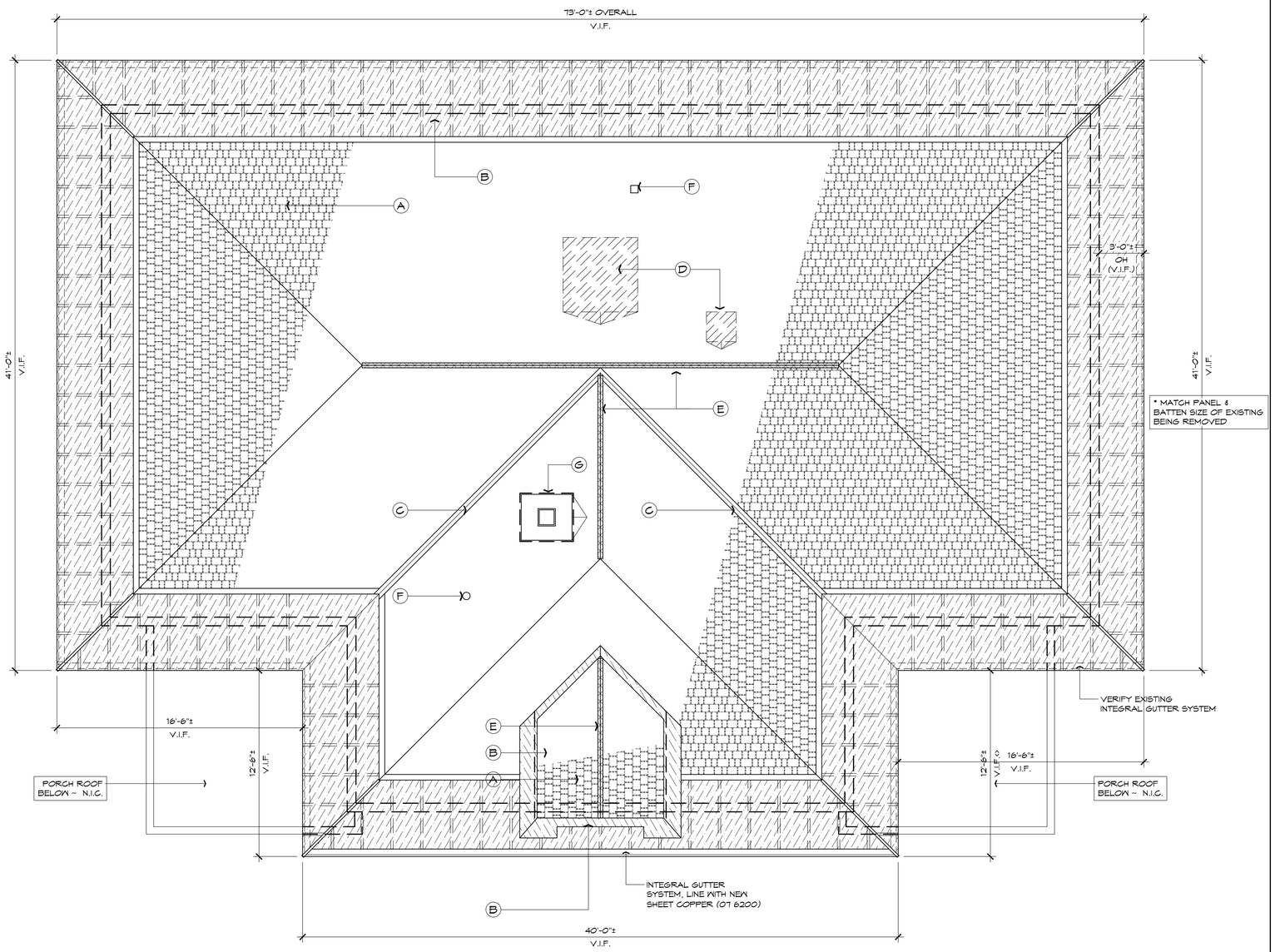
Danvers, MA 01923
978.750.9062
gienappdesign.com

Roof Replacement to:
WILLIAM E. FROST SCHOOL BUILDING

T-1



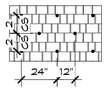
1 ROOF DEMOLITION PLAN 1/4" = 1'-0"

DEMOLITION NOTES:

- (A) REMOVE EXISTING SLATE SHINGLES AND UNDERLAYMENT TO EXISTING SHEATHING.
- (B) REMOVE EXISTING COPPER SHEET / BATTEN SEAM ROOFING AT EAVES, INCLUDING ALL ACCESSORIES.
- (C) REMOVE EXISTING COPPER VALLEY FLASHING AND RELATED ACCESSORIES TO EXISTING SHEATHING.
- (D) REMOVE EXISTING VENTILATION SHAFT, CRICKETS & RELATED ROOF FLASHING BELOW ROOF FRAMING DOWN TO BASE OF SHAFTS
- (E) REMOVE EXISTING RIDGE CAP.
- (F) REMOVE EXISTING EXHAUST VENT CAP, & FLASHING AT ALL ROOF PENETRATIONS.
- (G) REMOVE EXISTING CHIMNEY FLASHING & CRICKET. EXISTING COUNTER FLASHING TO REMAIN.

GRAPHIC LEGEND

- REMOVE EXISTING SLATE SHINGLES AND UNDERLAYMENT TO EXISTING SHEATHING.
- NEW SLATE SHINGLE ROOF OVER NEW UNDERLAYMENT (07 3126) & RELATED FLASHING
- REMOVE EXISTING BATTEN SEAM ROOF TO EXISTING SHEATHING
- INSTALL NEW COPPER BATTEN SEAM ROOF AND ASSOCIATED FLASHINGS (07 6100)
- REMOVE AND INSTALL NEW SHEET COPPER APRON AT DORMER ROOF (07 6100)
- INSTALL NEW SELF-ADHERED HIGH TEMPERATURE MEMBRANE AT EAVES, HIPS, RIDGES & VALLEYS (07 6100)
- REMOVE EXISTING VENTILATION SHAFTS TO BELOW ROOF FRAMING (02 4119)
- PROVIDE NEW STRUCTURAL FRAMING AND SHEATHING TO INFILL OPENINGS CREATED BY VENITLATOR SHAFT REMOVAL. MATCH EXIST. SHEATHING DIMENSIONS TO CREATE FLUSH CONDITION TO ADJACENT SURFACES. (06 1000)
- NEW COPPER FLASHING AT CHIMNEY, EXISTING STEP CAP FLASHING TO REMAIN



COPPER SNOW GUARDS AT SLATE SHINGLE ROOF, THREE ROWS, THREE COURSES FROM START OF SLATE (07 3126)

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PROJECT NAME

Roof Replacement at:

THE WILLIAM E. FROST SCHOOL BUILDING

73 MAIN STREET
WESTFORD , MA

REVISIONS	DATE

PROJECT: 541.0
DRAWN BY: WLA
CHECK BY: DG
DATE: June 27, 2013
SCALE: AS NOTED

DRAWING NAME

ROOF DEMOLITION PLAN

SHEET NO.

D1.0

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

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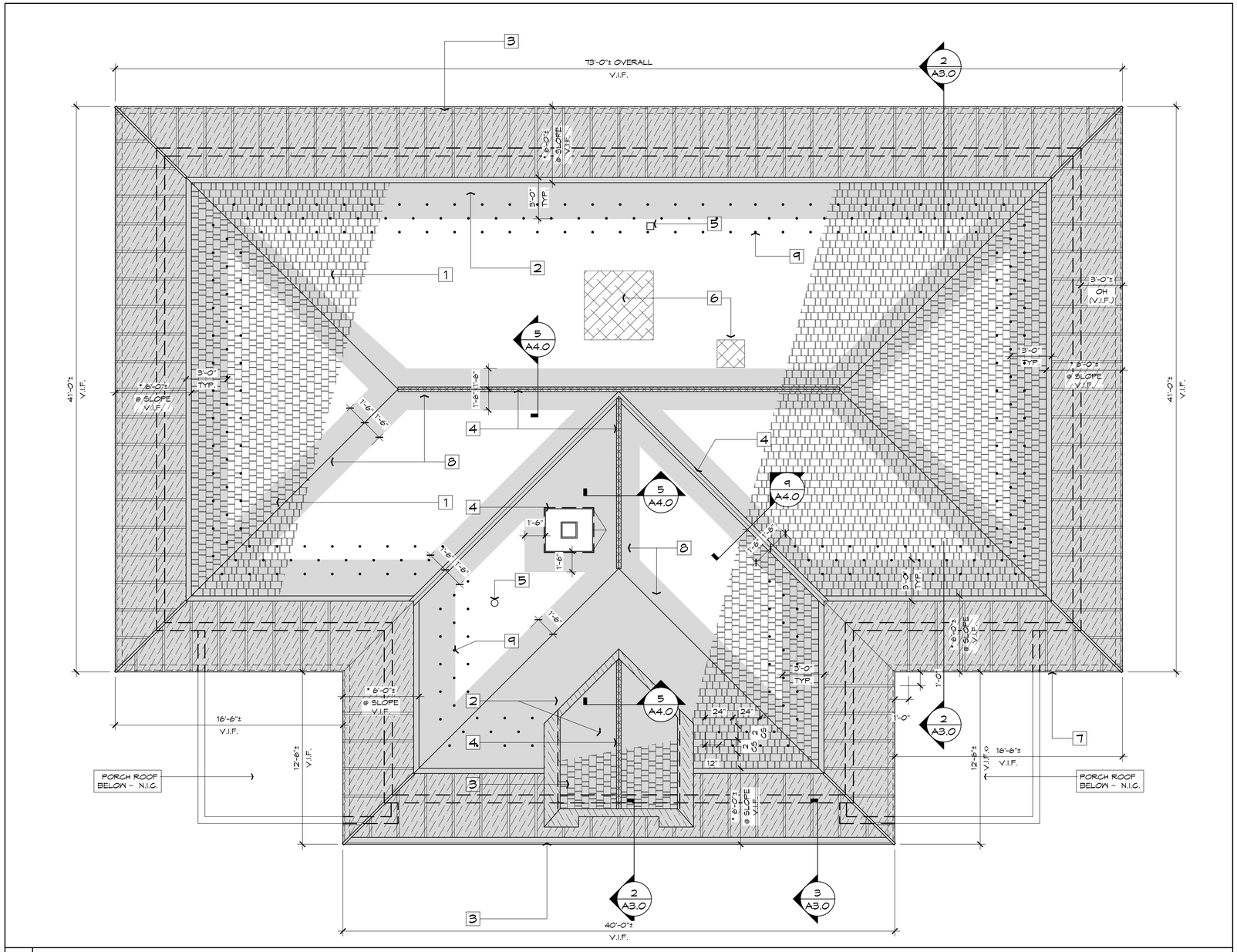

1 ROOF PLAN 1/4" = 1'-0"

CONSTRUCTION NOTES:

1. NEW SLATE SHINGLES OVER NEW UNDERLAYMENT (07 3126).
2. SELF-ADHEREING, HIGH TEMPERATURE SHEET (ICE AND WATER BARRIER). (07 3126).
3. COPPER BATTEN ROOF AT EAVES, SPACED TO MATCH EXISTING BEING REMOVED. (07 6200).
4. PROVIDE NEW COPPER VALLEY FLASHING, COPPER CRICKET AT CHIMNEY, CHIMNEY FLASHING, RIDGE ROLL OVER SLATE SHINGLE RIDGE. (07 6100).
5. PROVIDE NEW FLASHING AT ROOF PENETRATIONS. PROVIDE NEW ROOF ACCESSORIES, (EXHAUST VENTS). (07 7200).
6. INFILL ROOF OPENINGS WHERE EXISTING VENTILATION SHAFTS WERE REMOVED. PROVIDE NEW WOOD FRAMING AND SHEATHING. (MATCH THICKNESS OF ADJACENT CONSTRUCTION. (06 1000).
7. FIELD VERIFY DETAIL OF EXISTING INTEGRAL GUTTER SYSTEM. GUTTER TO REMAIN. FIELD VERIFY EXISTING CONDITION OF GUTTERS.
8. COPPER RIDGE FLASHING (07 3126) OVER ICE & WATER SHIELD (07 9200) UNDER RIDGE & HIP SLATE SHINGLES
9. INSTALL NEW SNOW GUARDS AT SLATE ROOF. SPACING PER MFR RECOMMENDATIONS AND AS INDICATED ON PLAN (07 3126)

GRAPHIC LEGEND

- REMOVE EXISTING SLATE SHINGLES AND UNDERLAYMENT TO EXISTING SHEATHING.
- NEW SLATE SHINGLE ROOF OVER NEW UNDERLAYMENT (07 3126) & RELATED FLASHING
- REMOVE EXISTING BATTEN SEAM ROOF TO EXISTING SHEATHING
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- NEW COPPER FLASHING AT CHIMNEY, EXISTING STEP CAP FLASHING TO REMAIN
- COPPER SNOW GUARDS AT SLATE SHINGLE ROOF, THREE ROWS, THREE COURSES FROM START OF SLATE (07 3126)

ALTERNATE

1. PROVIDE ALTERNATE TO OMIT NEW BATTEN SEAM ROOF AT EAVES OF MAIN ROOF. PROVIDE SLATE SHINGLE TO EAVES AND NEW COPPER LINING AT EXISTING GUTTERS. (VERIFY CONDITION OF GUTTER SYSTEM.) ALTERNATE DETAIL 6/A4.1

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WESTFORD , MA

REVISIONS	DATE

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CHECK BY: DG
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DRAWING NAME
ROOF PLAN

SHEET NO.
A1.0

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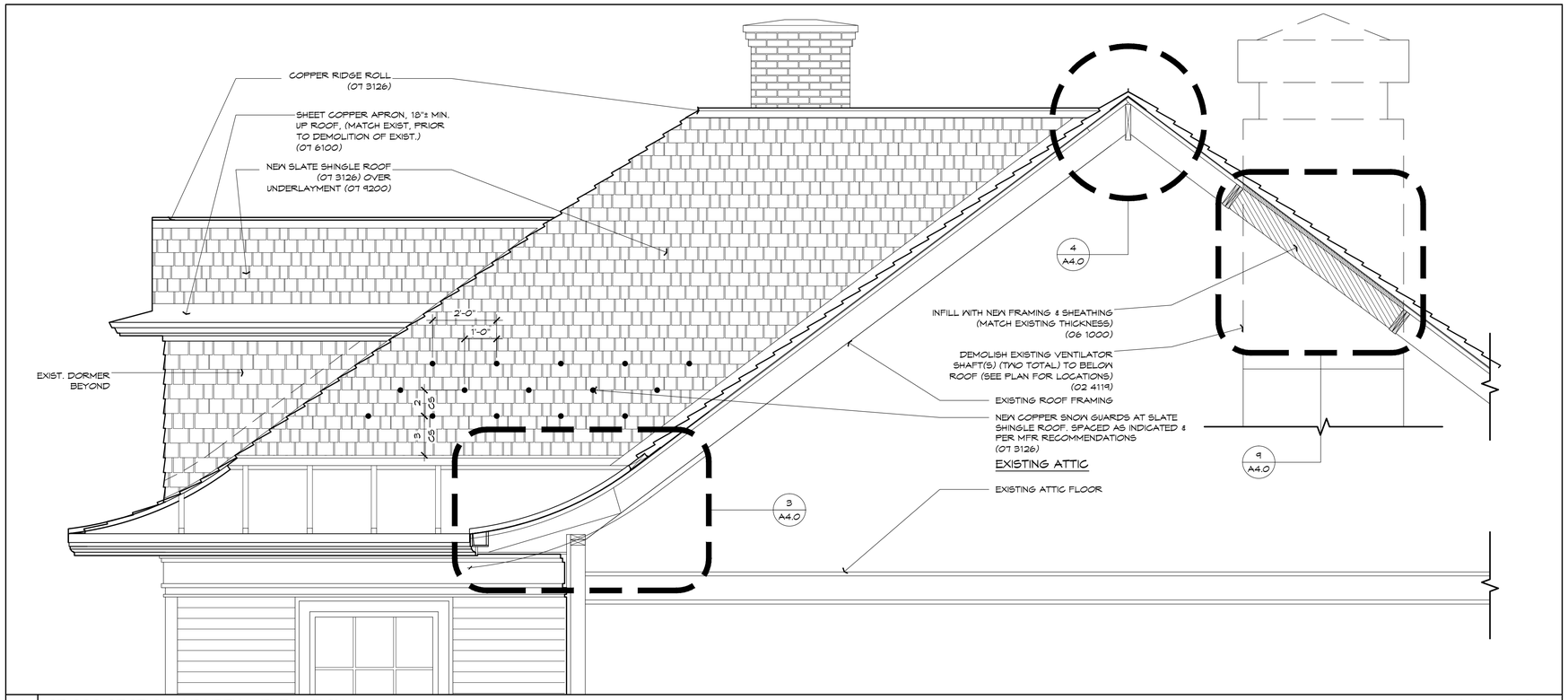
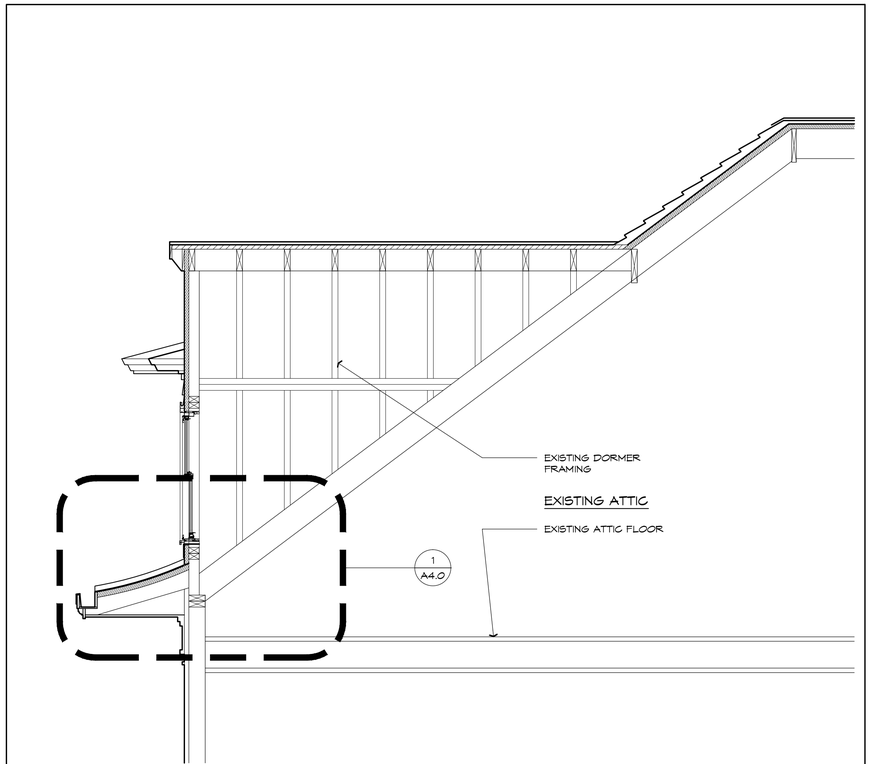
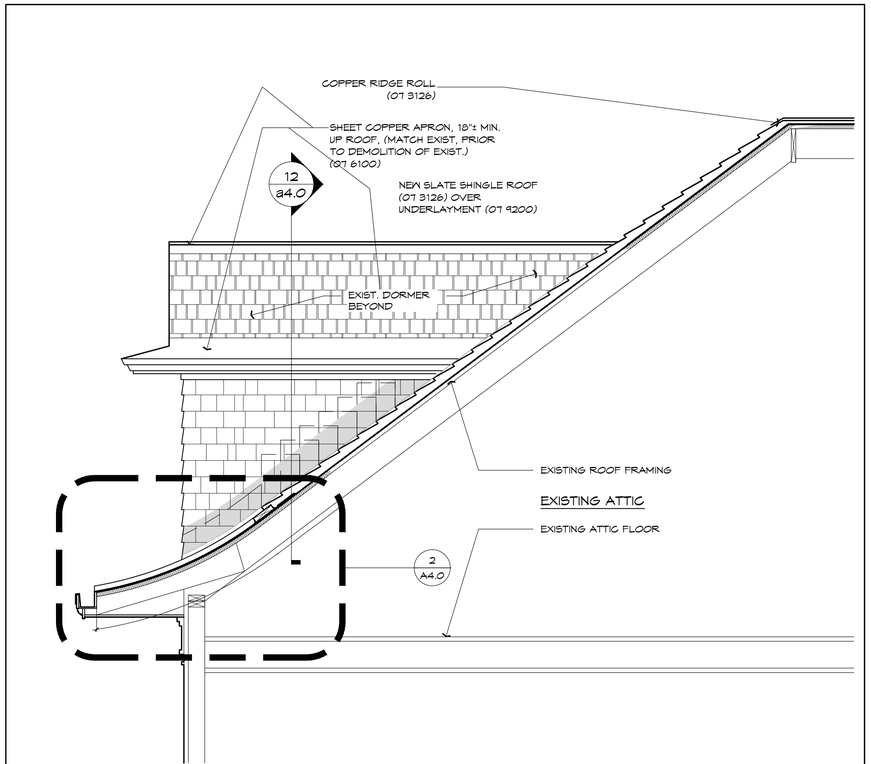


1 CROSS SECTION / PARTIAL ELEVATION 1/2" = 1'-0"



2 CROSS SECTION @ DORMER 1/2" = 1'-0"



3 EAVE DETAIL @ GUTTER 1/2" = 1'-0"

IF THIS SHEET IS NOT 24 X 36 IT IS A REDUCED SCALE PRINT - SCALE ACCORDINGLY

SCALE 3"=1'-0" | SCALE 1-1/2"=1'-0" | SCALE 1"=1'-0" | SCALE 1/2"=1'-0" | SCALE 1/4"=1'-0" | SCALE 1/8"=1'-0"

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WESTFORD , MA

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DRAWING NAME
SECTIONS

SHEET NO.
A3.0

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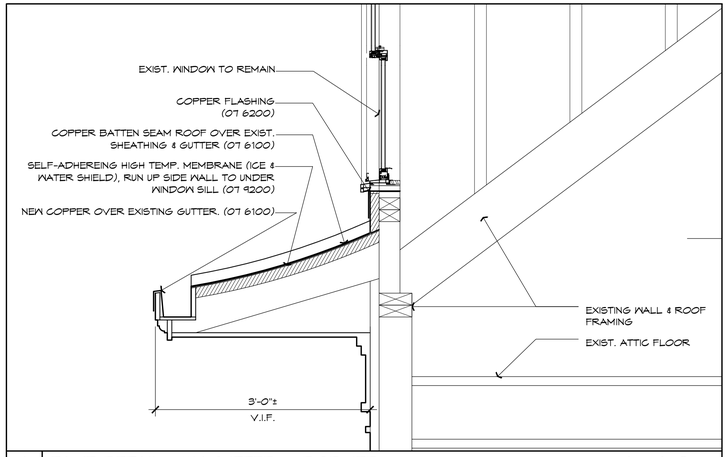
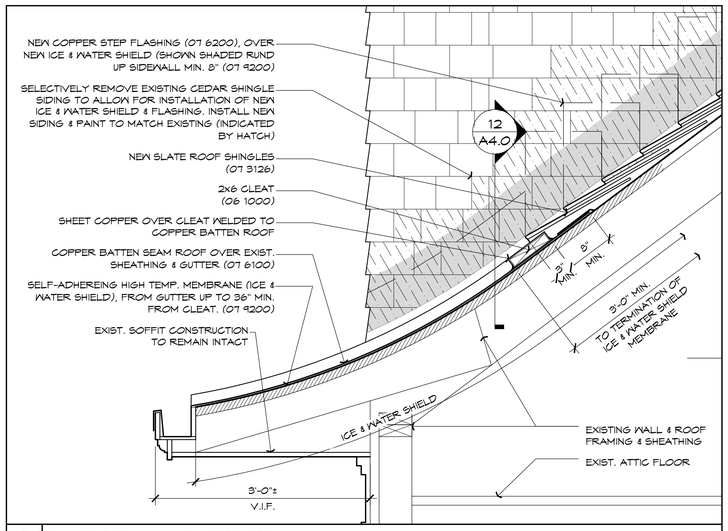
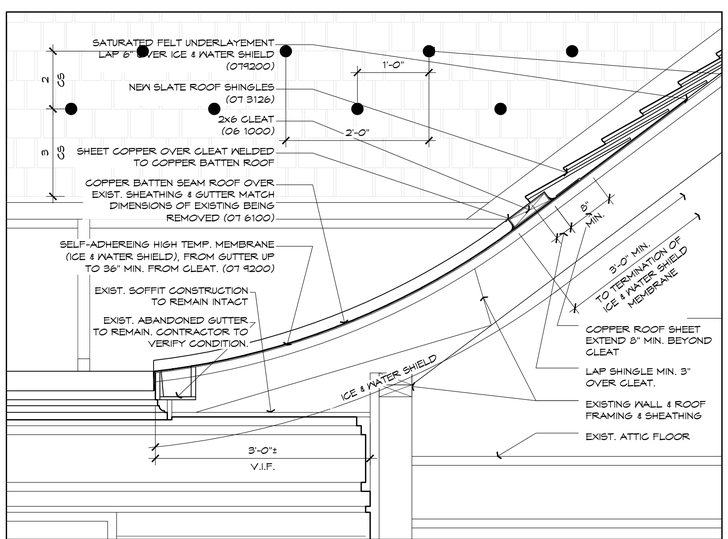


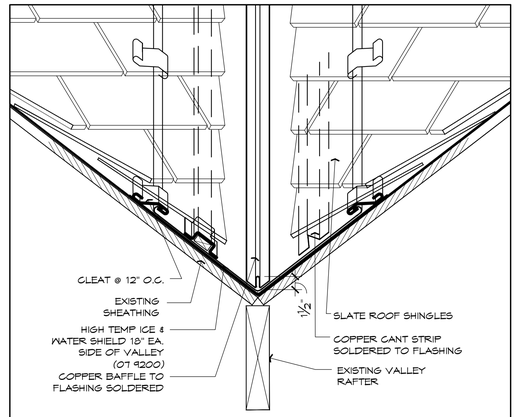
1 EAVE DETAIL - W/ GUTTER @ DORMER 1" = 1'-0"



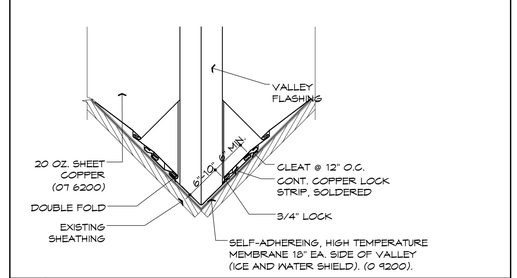
2 EAVE DETAIL - W/GUTTER 1" = 1'-0"



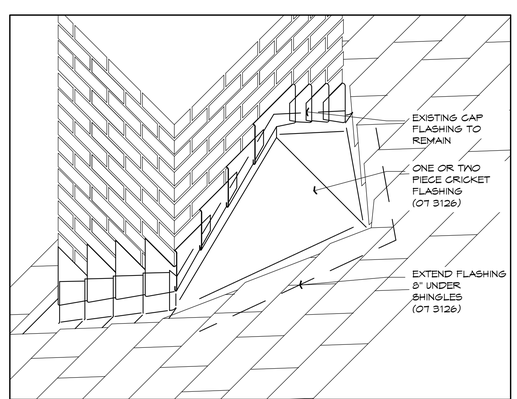
3 EAVE DETAIL - NO GUTTER 1" = 1'-0"



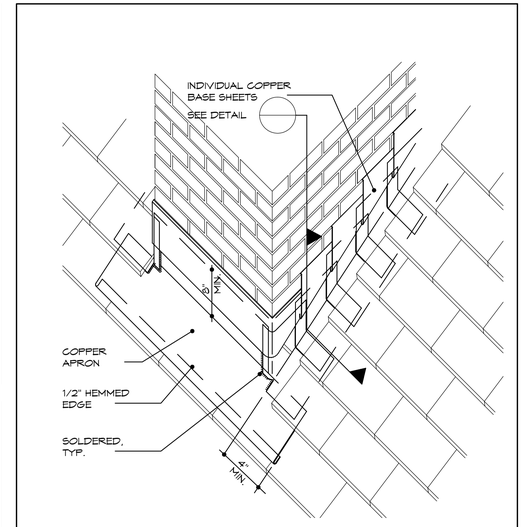
5 VALLEY FLASHING @ SLATE SHINGLES 1-1/2" = 1'-0"



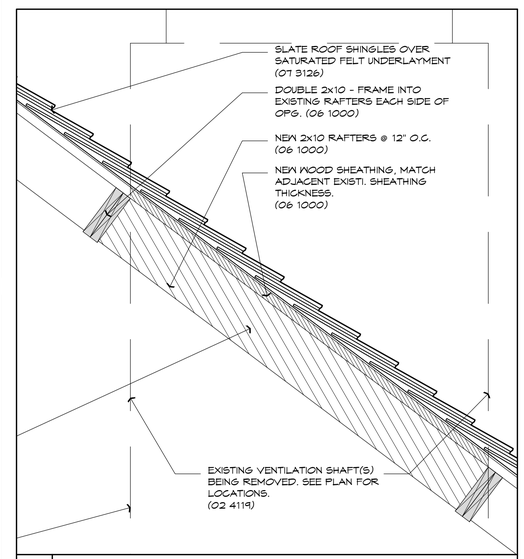
6 DET. - VALLEY FLASHING @ APRON 1-1/2" = 1'-0"



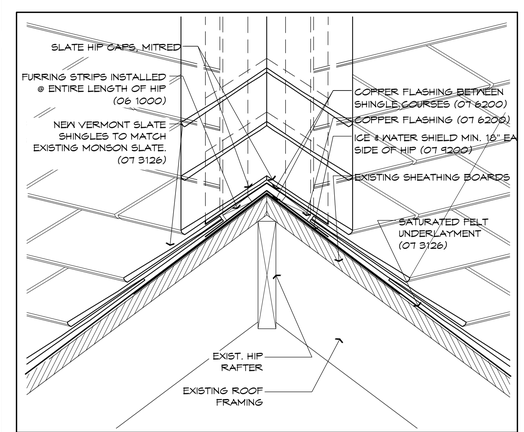
7 CRICKET DETAIL @ CHIMNEY 1" = 1'-0"



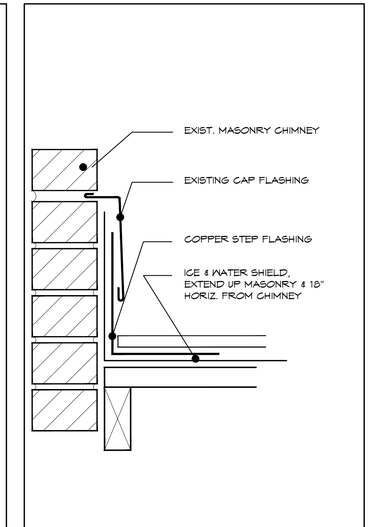
4 TYPICAL RIDGE DETAIL 1-1/2" = 1'-0"



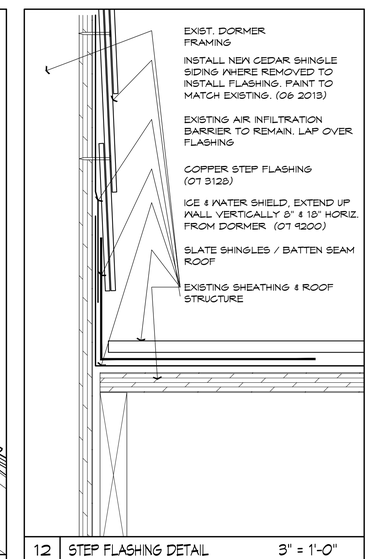
9 ROOF OPENING INFILL DETAIL 1" = 1'-0"



10 TYPICAL HIP DETAIL / SLATE ROOF 1-1/2" = 1'-0"



11 STEP FLASHING DETAIL 3" = 1'-0"



12 STEP FLASHING DETAIL 3" = 1'-0"

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WESTFORD, MA

REVISIONS	DATE

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CHECK BY: DG
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SCALE: AS NOTED

DRAWING NAME
DETAILS

SHEET NO.
A4.0

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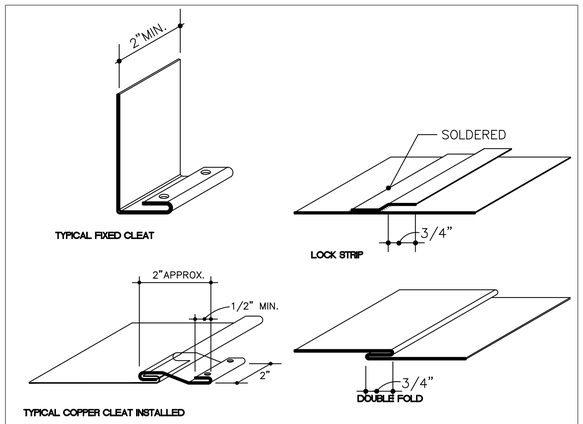
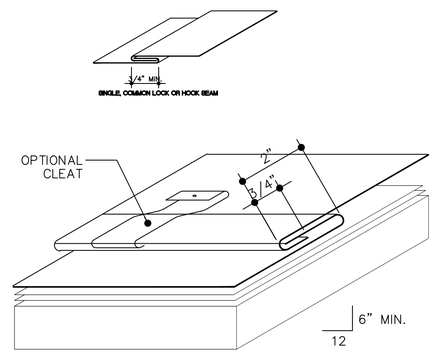
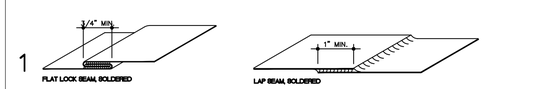


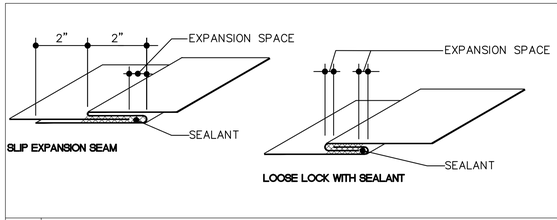
1 TYPICAL FLASHING CONNECTION DETAILS NTS



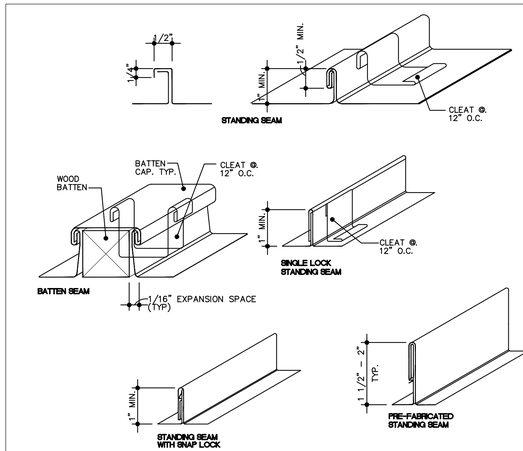
4 TYPICAL STANDING SEAM DETAILS NTS



2 TYPICAL RIGID FLASHING SEAM DETAILS NTS

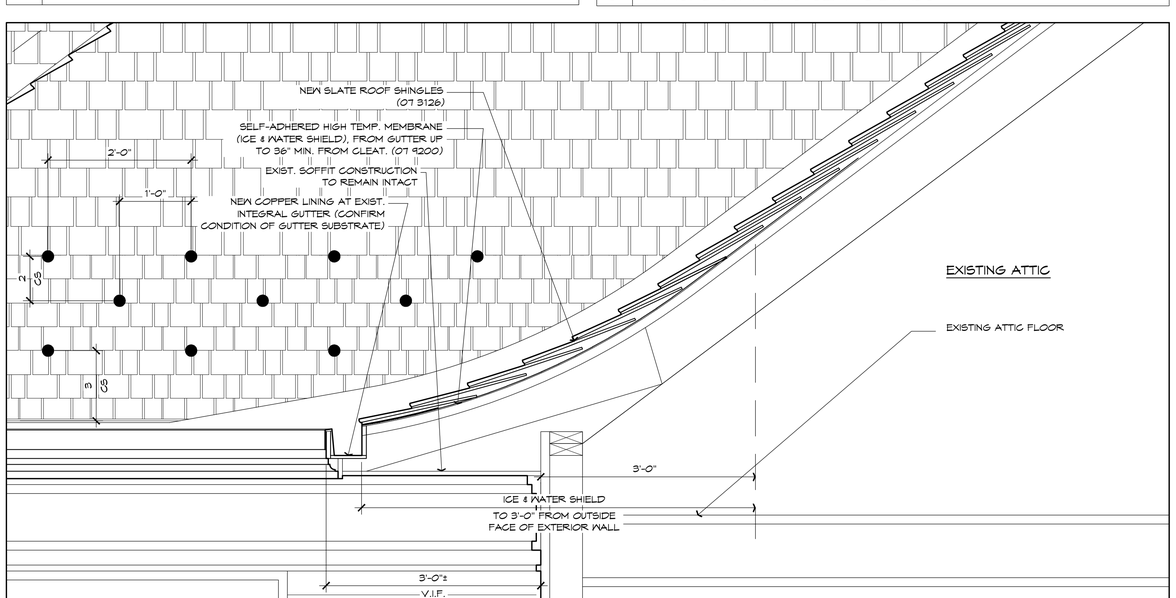


3 TYPICAL EXPANSION DETAILS NTS



5 TYPICAL STANDING SEAM DETAILS NTS

* NOTE: SOME FLASHING DETAILS SHOWN ON THIS SHEET MAY BE NOT BE APPLICABLE.



6 EAVE DETAIL - * ALTERNATE - OMIT BATTEN ROOF @ EAVE * 1" = 1'-0"

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