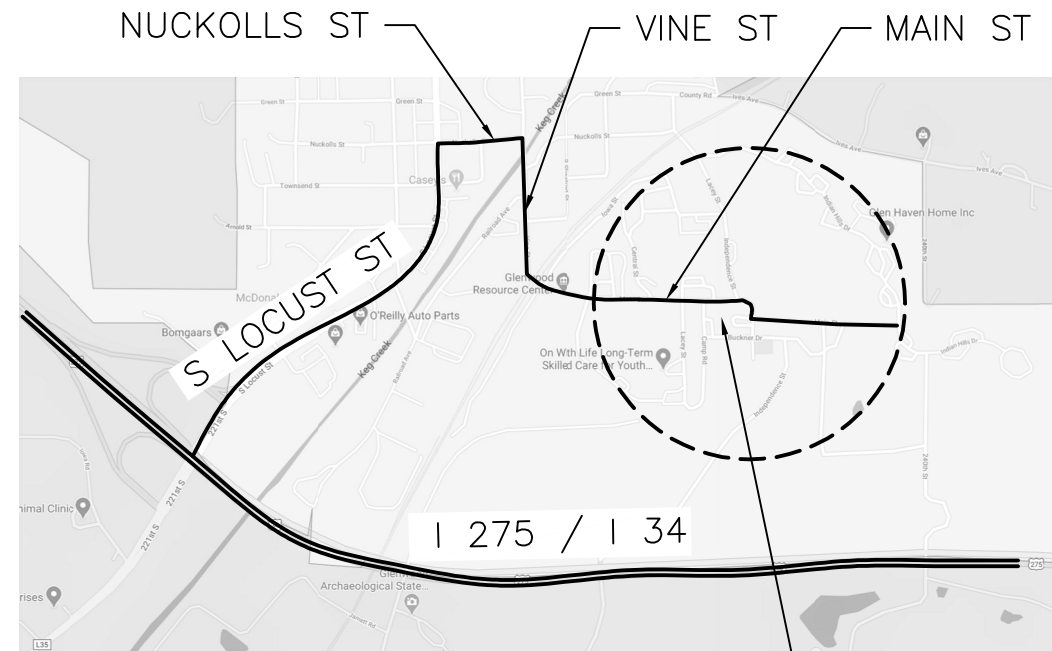


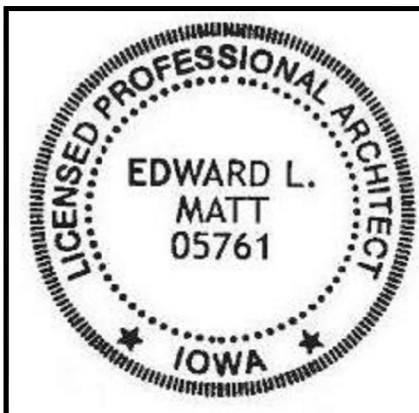
LOCATION MAP:

SCALE: NTS



NORTH

GLENWOOD RESOURCE CENTER
GLENWOOD IA, 51534
SEE A0.1 CAMPUS MAP



I hereby certify that the portion of this technical submission described below was prepared by me or under my supervisor and responsible charge. I am a duly registered Architect under the laws of the State of Iowa.

Signature _____ 05761

Edward L. Matt _____ Reg. No.

Pages or Sheets covered in part or whole by this seal:
A0.0, A0.1, A1.0, A1.1, A1.2. & A2.0.

Date Issued: _____

GRC DUPLEX ROOFING REPLACEMENTS

GLENWOOD RESOURCE CENTER
GLENWOOD, IA 51534

GENESIS PROJECT NO. 2113

SHEET INDEX

A0.0	COVER, SHEET INDEX, & CONTACTS
A0.1	CAMPUS MAP & AERIAL
A1.0	ROOF PLAN
A1.1	DETAILS
A1.2	DETAILS
A2.0	GENERAL & ROOF CONSTRUCTION NOTES

CONTACT INFO:

OWNER

IOWA DEPT OF ADMIN. SERVICES
109 S.E. 13TH STREET
DES MOINES, IA 50319

ON-SITE CONTACT

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ARCHITECT

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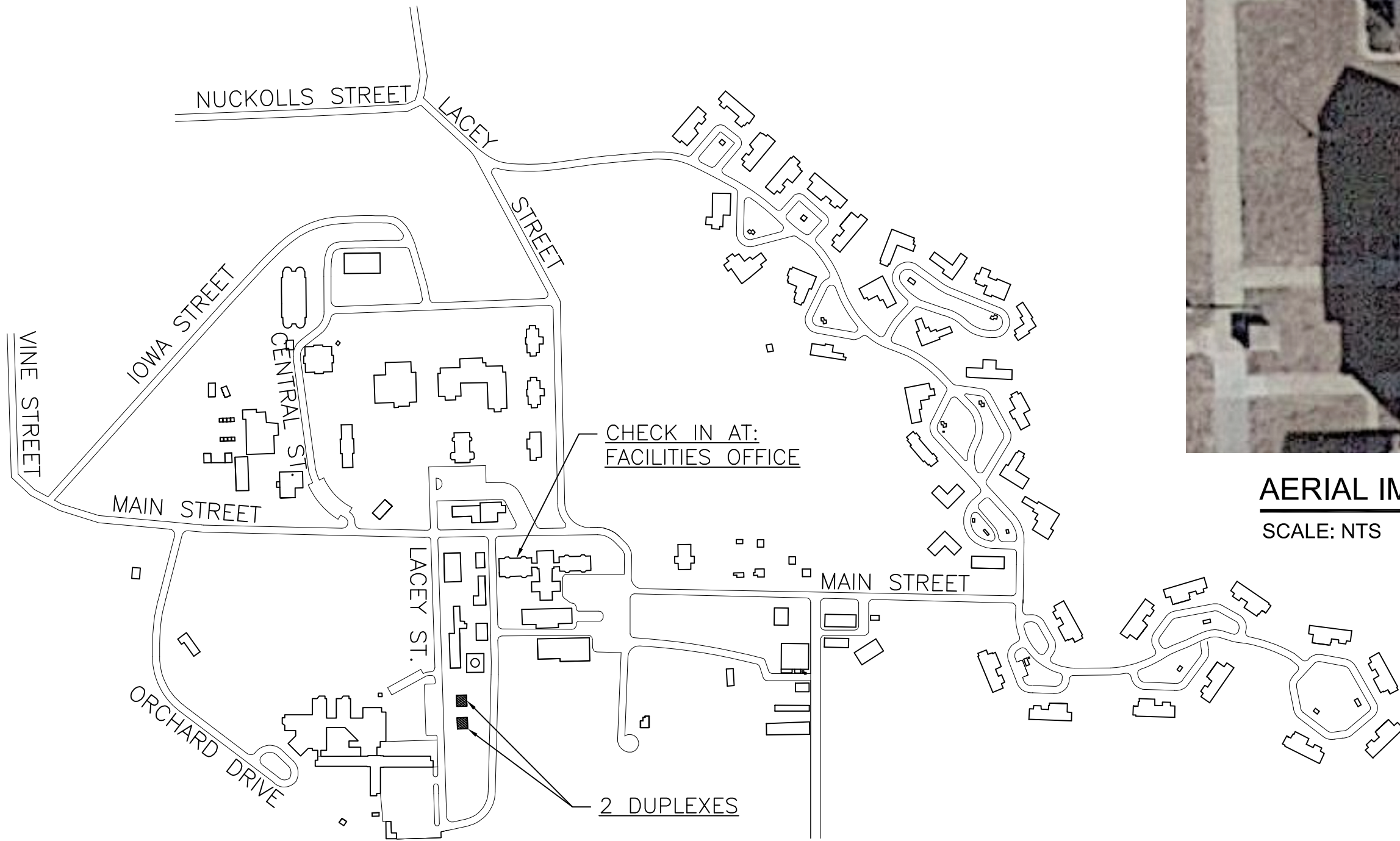
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COVER, SHEET INDEX,
MAP, & CONTACTS

GEN PROJECT NO.
2113

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A0.0



GLENWOOD RESOURCE CENTER CAMPUS MAP

SCALE: NTS

1
A0.1



AERIAL IMAGE

SCALE: NTS

2
A0.1

GRC DUPLEX ROOFING REPLACEMENTS GLENWOOD RESOURCE CENTER GLENWOOD, IA 51534

CAMPUS MAP
&
AERIAL

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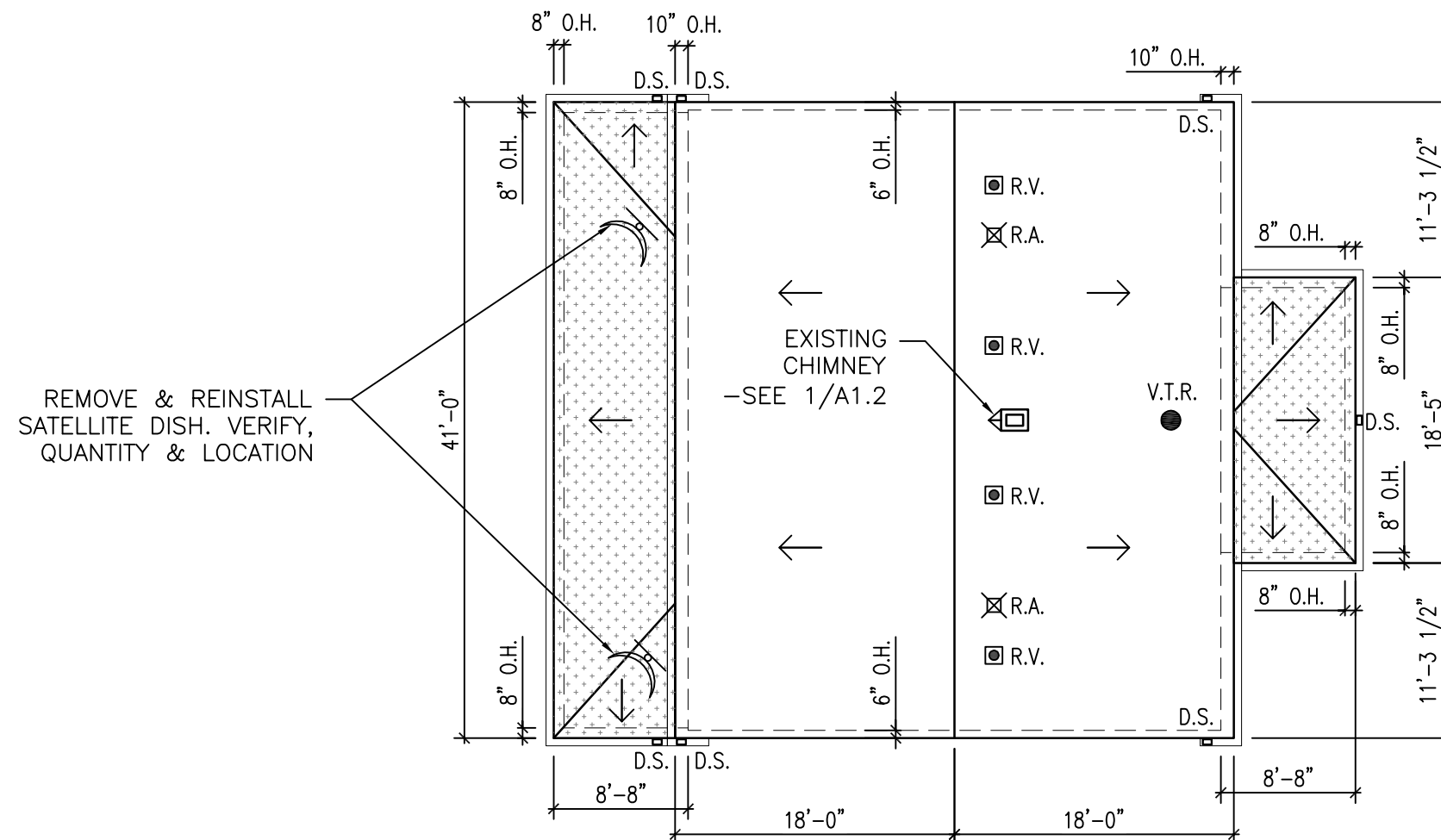
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GLENWOOD, IA 51534**

ROOF PLAN

ISSUE DATE
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SHEET NUMBER
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APPROXIMATE SLOPE: (FIELD VERIFY)
MAIN ROOF SLOPE: 8/12
PORCH ROOFS SLOPE: 4/12



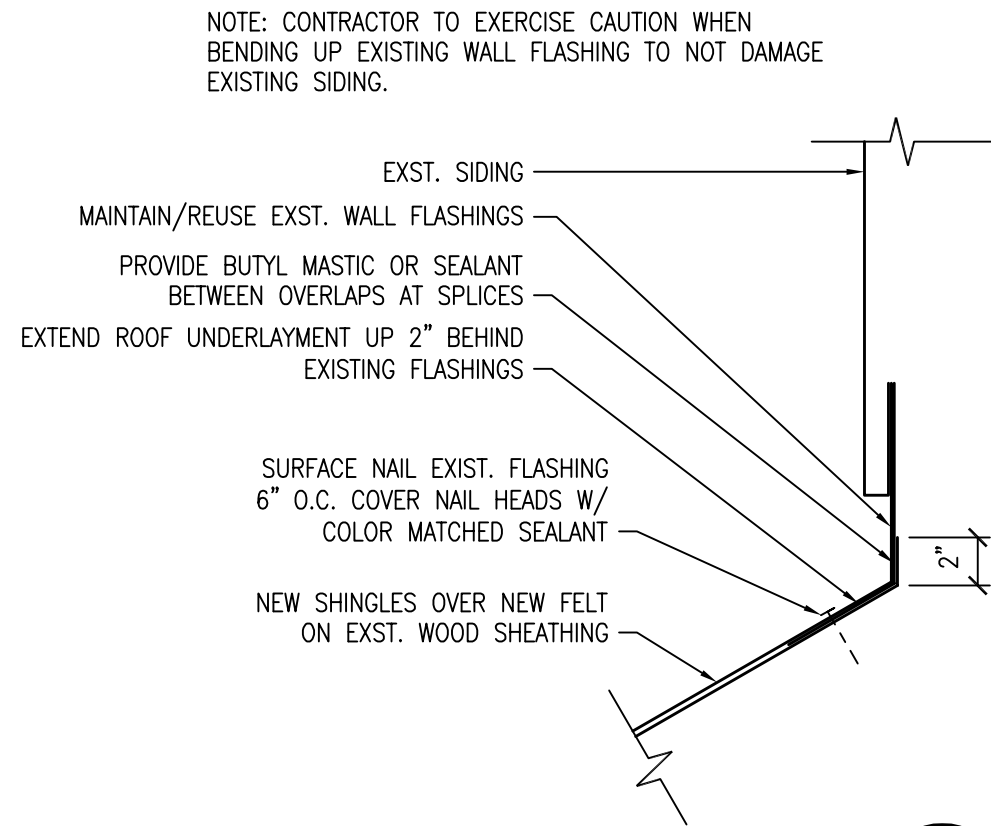
REMOVE & REINSTALL
SATELLITE DISH. VERIFY,
QUANTITY & LOCATION



ROOF PLAN (SAME FOR BOTH DUPLEXES)

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

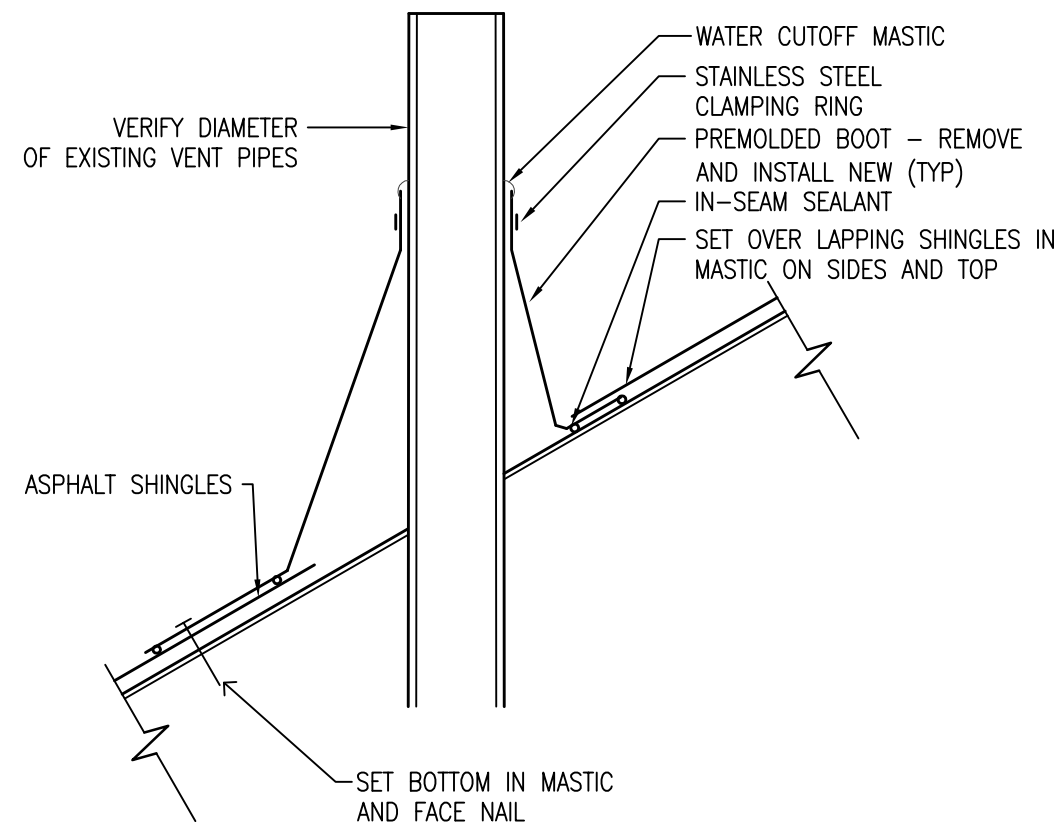
1
A1.0



WALL FLASHING DETAIL

SCALE: 1 1/2" = 1'-0"

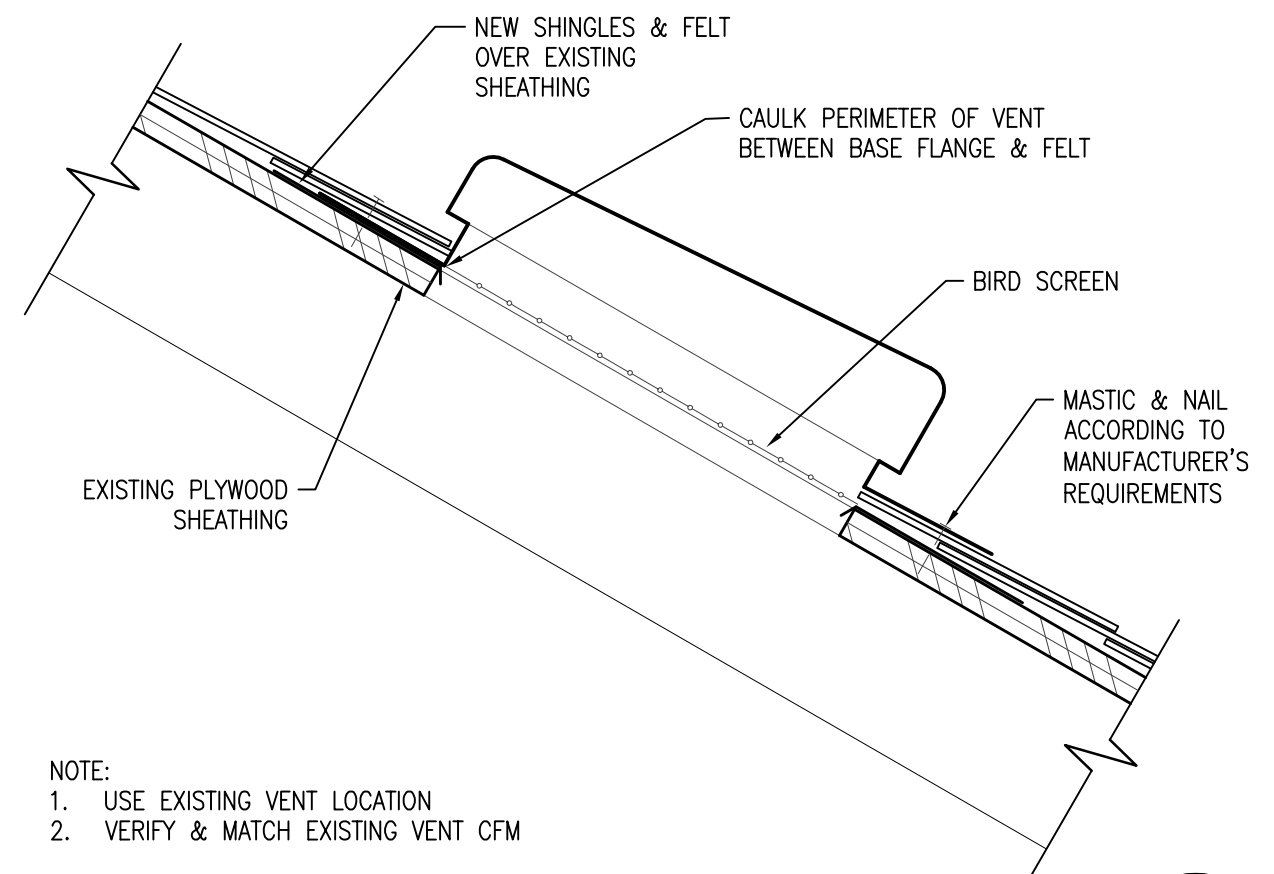
4
A1.1



VENT THROUGH ROOF DETAIL

SCALE: 1 1/2" = 1'-0"

3
A1.1



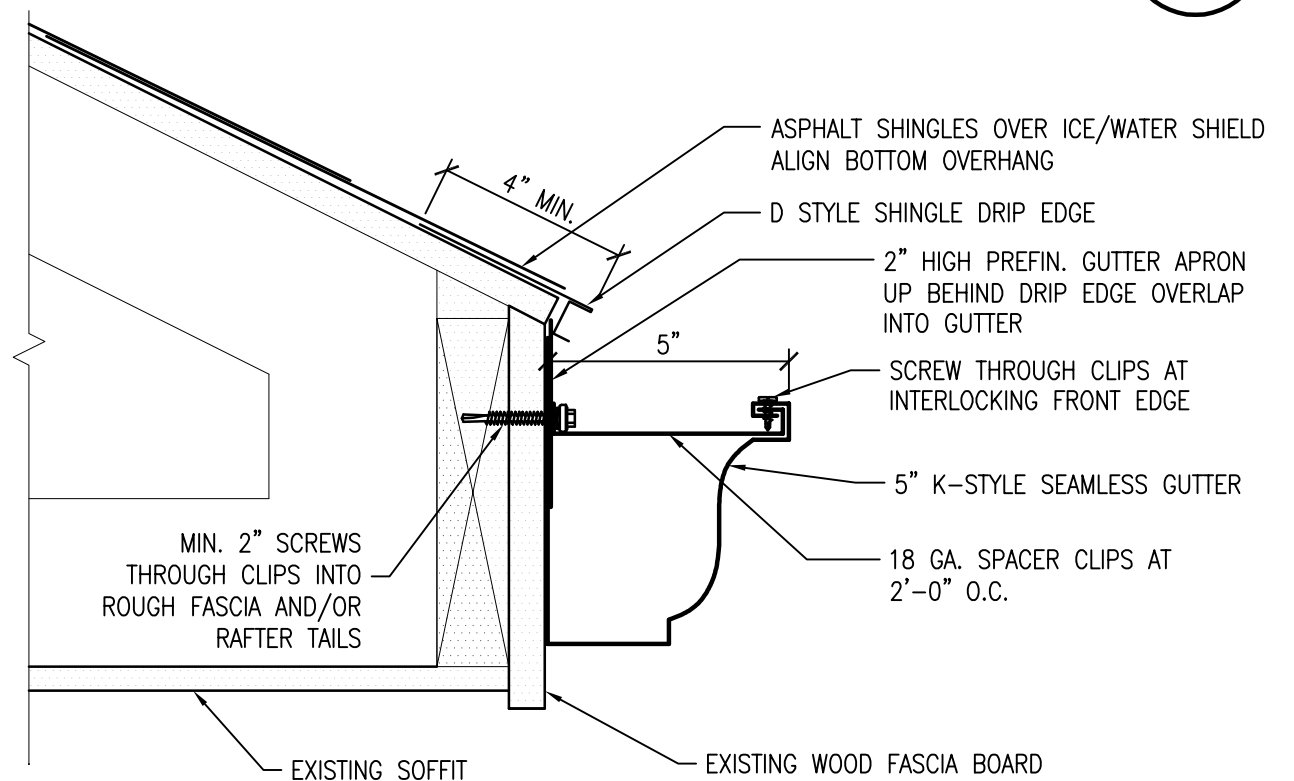
NOTE:

1. USE EXISTING VENT LOCATION
2. VERIFY & MATCH EXISTING VENT CFM

HAT VENT DETAIL

SCALE: 3" = 1'-0"

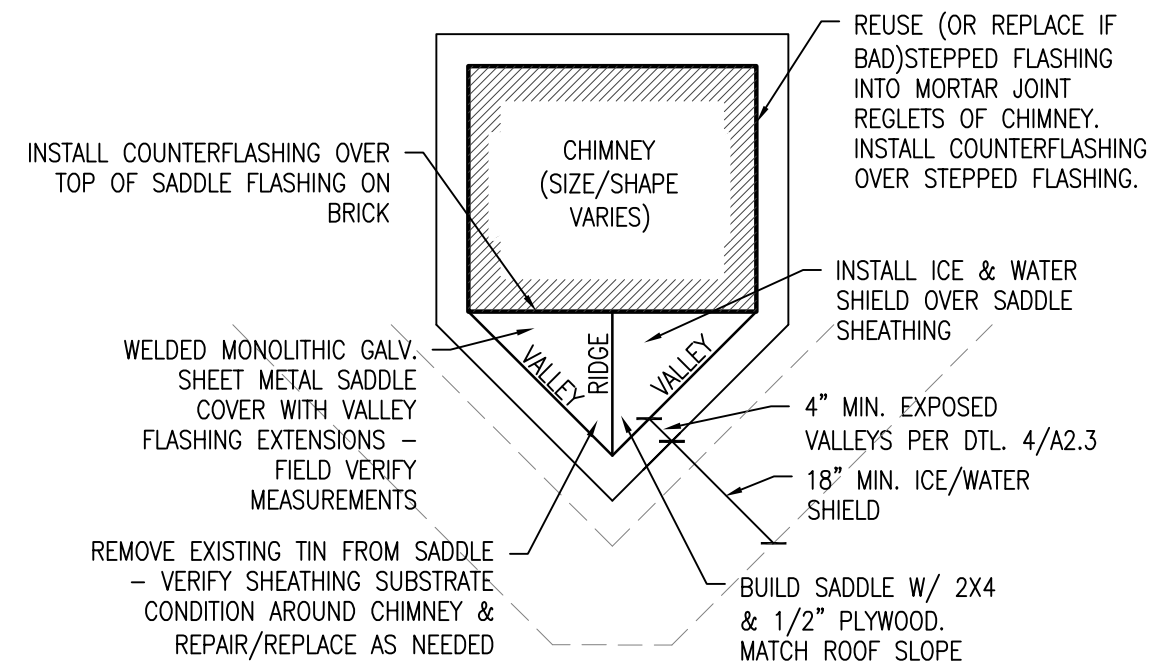
2
A1.1



GUTTER DETAIL

SCALE: 3" = 1'-0"

1
A1.1



CHIMNEY SADDLE FLASHING DETAIL

SCALE: 1/2" = 1'-0"

1
A1.2

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DETAILS

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A1.2

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PREFINISHED METAL TRIM:

- WHEN INSTALLING D–STYLE DRIP EDGE AND GUTTER APRON, FULL LENGTHS OF MATERIAL SHALL BE USED. NO USE OF MULTIPLE SHORT PIECES ON LONG RUNS.
- ALL GUTTER APRON AND D–STYLE DRIP EDGE SHALL RUN THE FULL LENGTH OF RAKES AND EAVES (NO VOIDS). –WHEN GUTTER APRON IS BEING INSTALLED, REMOVE GUTTER HANGERS AND INSTALL GUTTER APRON. DO NOT CUT AROUND GUTTER HANGERS.
- WHEN PUTTING GUTTER UP, PROPER PITCH SHALL BE RE–ESTABLISHED FOR DRAINAGE AND BE TUCKED UP BEHIND GUTTER APRON.
- WHEN GUTTER APRON AND D–STYLE DRIP EDGE IS INSTALLED, IT SHALL NOT BE BENT OR CREASED. –D–STYLE DRIP EDGE SHALL HAVE A 2” MINIMAL OVERLAP BETWEEN PIECES.
- NEW D–STYLE DRIP EDGE OR GUTTER APRON SHALL LAY FLAT AND EXTEND DOWN TO PROPERLY COVER THE EDGE OF THE SHEETING AND THE UPPER EDGE OF THE FASCIA.
- GUTTER APRONS SHALL HAVE 2” VERTICAL WITH BOTTOM HEMMED EDGE.
- ALL GUTTERS ARE TO BE CONTINUOUS LENGTH SEAMLESS GUTTER.

SHINGLES:

- STARTER STRIP SHALL OVERHANG EAVES AND RAKES 1/4” TO 3/4” FOR DRIP EDGE.
- WHEN INSTALLING RAKE STARTER, IT NEEDS TO OVERLAP EAVE STARTER A MINIMUM OF 3”. –AGENCY SHALL SPECIFY SHINGLE COLOR AS PER JOB.
- STARTER STRIP AND FIRST ROW OF SHINGLES NEED TO BE OFFSET.
- STARTER STRIP NEEDS TO BE INSTALLED ON ALL EAVES AND RAKES (IT SHALL LAY FLAT).
- THE STARTER STRIP WILL NOT HANG BELOW SHINGLES.
- SHINGLES WILL NOT OVERHANG EAVES AND RAKES MORE THEN 3/4” FOR DRIP EDGE.
- ALL SHINGLES ALONG EAVES AND RAKES SHOULD HAVE A CLEAN LOOK (STRAIGHT RUNS AND CUTS).
- SHINGLES NEED TO BE INSTALLED FACTORY EDGE TO FACTORY EDGE.
- ANY SHINGLES THAT ARE TORN OR SCARRED (SURFACE SCARRING OR DAMAGED EDGES) SHALL BE REPLACED UPON INSPECTION.
- ALL FULL SIZE SHINGLES NEED TO BE RAILED DOWN WITH NO LESS THAN SIX NAILS (NO STAPLES).

UNDERLAYMENT:

- ALL UNDERPAYMENT SHALL REPLACED WITH A MINIMUM 30–LB. FELT.
- WHEN UNDERLAYMENT IS INSTALLED OVER GUTTER APRON IT SHALL NOT OVERHANG MORE THEN 1/4”.
- UNDERLAYMENT NEEDS TO OVERLAP VALLEY ICE/WATER SHIELD BY AT LEAST 6”.
- INSTALL ICE AND WATER SHIELD FROM EAVE TO A MINIMAL 24” BEYOND THE INSIDE WALL LINE. –ICE AND WATER SHIELD NEEDS TO BE INSTALLED IN EVERY VALLEY.
- A MINIMUM OF 20” WIDE, 24–GAUGE PREFINISHED STEEL WITH KYNAR FINISH SHALL BE USED FOR THE VALLEYS. NO LACING OF SHINGLES.
- VALLEY METAL SHALL BE INSTALLED WITH JUST THE HEADS OF NAILS HOLDING IT IN PLACE. THERE SHALL BE NO NAILS DRIVEN THROUGH THE EXPOSED PORTION OF THE VALLEY FLASHING.
- ALL STEP FLASHING NEEDS TO BE INSTALLED IN A PROPER MANNER.

NAILING:

1. NAILS MUST BE DRIVEN FLUSH WITH SURFACE OF SHINGLE. IF NAILS ARE DRIVEN INTO OR THROUGH THE SHINGLE, IT SHALL BE REMOVED AND REPLACED.
2. NAILS SHALL BE A MINIMUM OF 1 1/4 INCH.
3. IF ANY NAILS ARE EXPOSED IN THE PREVIOUS ROW, WHEN NEXT ROW OF SHINGLES ARE INSTALLED THE SHINGLE WITH THE EXPOSED NAIL OR NAILS SHALL BE REMOVED AND REPLACED WITH A NEW SHINGLE AND PROPERLY NAILED.
4. ALL EXPOSED NAILS IN RIDGE CAP, VENTS OR FLASHING SHALL BE PROPERLY SEALED WITH AN APPROVED ROOFER’S CAULK IS MATCHING COLOR.

EXISTING ROOF CONSTRUCTION:

EXISTING ROOF AREAS, SLOPES AND DETAILS HAVE BEEN REPRESENTED AS ACCURATELY AS POSSIBLE. VARIATIONS MAY OCCUR.

1. ASPHALT SHINGLES OVER FELT
2. EXISTING WOOD PLYWOOD SHEATHING
3. EXISTING WOOD TRUSSES AT 24” O.C.

NEW ROOF CONSTRUCTION:

1. ASPHALT SHINGLES
2. ICE AND WATER SHIELD AND 30 LB FELT
3. EXISTING WOOD PLYWOOD SHEATHING
4. EXISTING WOOD TRUSSES AT 24” O.C.

MATERIAL COLORS:

SHINGLES: TO BE SELECTED BY OWNER

PREFINISHED METAL TRIM: WHITE

GUTTERS & DOWNSPOUTS: WHITE

VALLEY FLASHING: TO BE SELECTED BY OWNER

GENERAL NOTES:

- A. CONTRACTOR TO FIELD VERIFY ALL ROOF SLOPES, DIMENSIONS AND SITE CONDITIONS. REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO PROCEEDING WITH ANY WORK.
- B. CONTRACTOR TO COORDINATE ALL WORK WITH OTHER TRADES AND COORDINATE SCHEDULE WITH OWNER.
- C. PRIOR TO DEMOLITION, CONTRACTOR SHALL NOTIFY IN WRITING (48 HOURS NOTICE) TO OWNER.
- D. ALL CONSTRUCTION/DEMOLITION DEBRIS SHALL BE DISPOSED OF OFFSITE IN FULL COMPLIANCE WITH CURRENT ENVIRONMENTAL REGULATIONS.
- E. ALL PERMITS AND ADDITIONAL FEES REQUIRED TO COMPLETE THE WORK SHALL BE INCLUDED IN THE CONTRACTOR BID.
- F. EXISTING DOWNSPOUTS AND GUTTERS ARE TO BE REPLACED.
- G. TIE INTO EXIST BELOW GRADE DRAINS DOWNSPOUT EXTENSIONS AT ALL DOWNSPOUTS DISCHARGES.
- H. REMOVE AND DISPOSE OFF SITE ALL EXISTING METAL FLASHING, SHINGLES, AND DAMAGED SHEATHING/TRIM.
- I. DEMOLISH ROOF TO WOOD SHEATHING OBSERVE/INSPECT/PHOTOGRAPH SHEATHING CONDITIONS. NOTIFY OWNER IF THERE IS DAMAGED SHEATHING THAT NEEDS TO BE REPLACED.
- J. CONTRACTOR TO VERIFY ALL DIMENSIONS, QUANTITIES, AREA & SLOPE.
- K. SF QUANTITIES ARE ESTIMATES ONLY, CONTRACTOR TO FIELD VERIFY ACTUAL SF.
- L. CONTRACTOR TO VERIFY CONDITION OF EXISTING SHEATHING MATERIAL AND NOTIFY ARCHITECT IF REPAIR OR REPLACEMENT IS NEEDED. NOTIFY OWNER IF THERE IS DAMAGED SHEATHING THAT NEEDS TO BE REPLACED.
- M. ALL VALLEYS TO BE 24 INCH WIDE PREFINISHED METAL OVER 36 INCH WIDE ICE/WATER SHIELD. FINISHED VALLEY FLASHING SHALL BE 12 INCHES WIDE, 6 INCHES ON EACH SIDE OF A SINGLE CENTER CREASE.
- N. ICE AND WATER SHIELD MEMBRANE TO BE APPLIED AT ALL EAVES, VALLEYS, OVER CRICKETS, SADDLES AND AT WALL FLASHINGS.
- O. HAT VENTS TO HAVE INTEGRAL BIRD SCREEN MESH APPLIED DIRECTLY TO SHEATHING OPENING. REMOVE AND INSTALL NEW ROOF VENTS (COLOR WILL BE DETERMINED AT TIME OF SITE VISIT).
- P. ALL PIPE BOOT FLASHINGS SHALL BE REPLACED WITH NEW.
- Q. ROOF ANCHORS ARE FLAT CONCEALED STEEL STRAPS WITH EXPOSE D–RING. OWNER WILL FURNISH ROOF ANCHORS, CONTRACTOR WILL INSTALL AT LOCATION INDICATED.
- R. CONTRACTOR IS RESPONSIBLE FOR A THOROUGH FINAL JOB SITE CLEAN UP. REMOVE ALL NAILS AND DEBRIS FROM ROOF, GUTTERS AND GROUND SURROUNDING THE SITE. USE A MAGNET TO REMOVE NAILS FROM LAWN AND LANDSCAPE AREA. ANY DAMAGE TO LAWN OR LANDSCAPE SHALL BE REPAIRED TO INCLUDE FILLING OF RUTS AND RESEEDING.
- S. SHINGLES ARE TO BE 240 LB LAMINATED SHAKE LOOK ASPHALT SHINGLES WITH A MANUFACTURES STANDARD 40 YEARS WARRANTY. COLOR BLEND WILL BE SELECTED BY THE OWNER FROM STANDARD COLORS.
- T. PROVIDE A SEPARATE LINE ITEM WITH BIDS FOR UNIT COST TO REPLACE ANY DAMAGED SHEATHING. UNIT COST IS FOR 4’ X 8’ SHEET OF 1/2” EXTERIOR GRADE PLYWOOD WITH ”H” CLIPS BETWEEN TRUSSES.

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ROOF PLAN

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