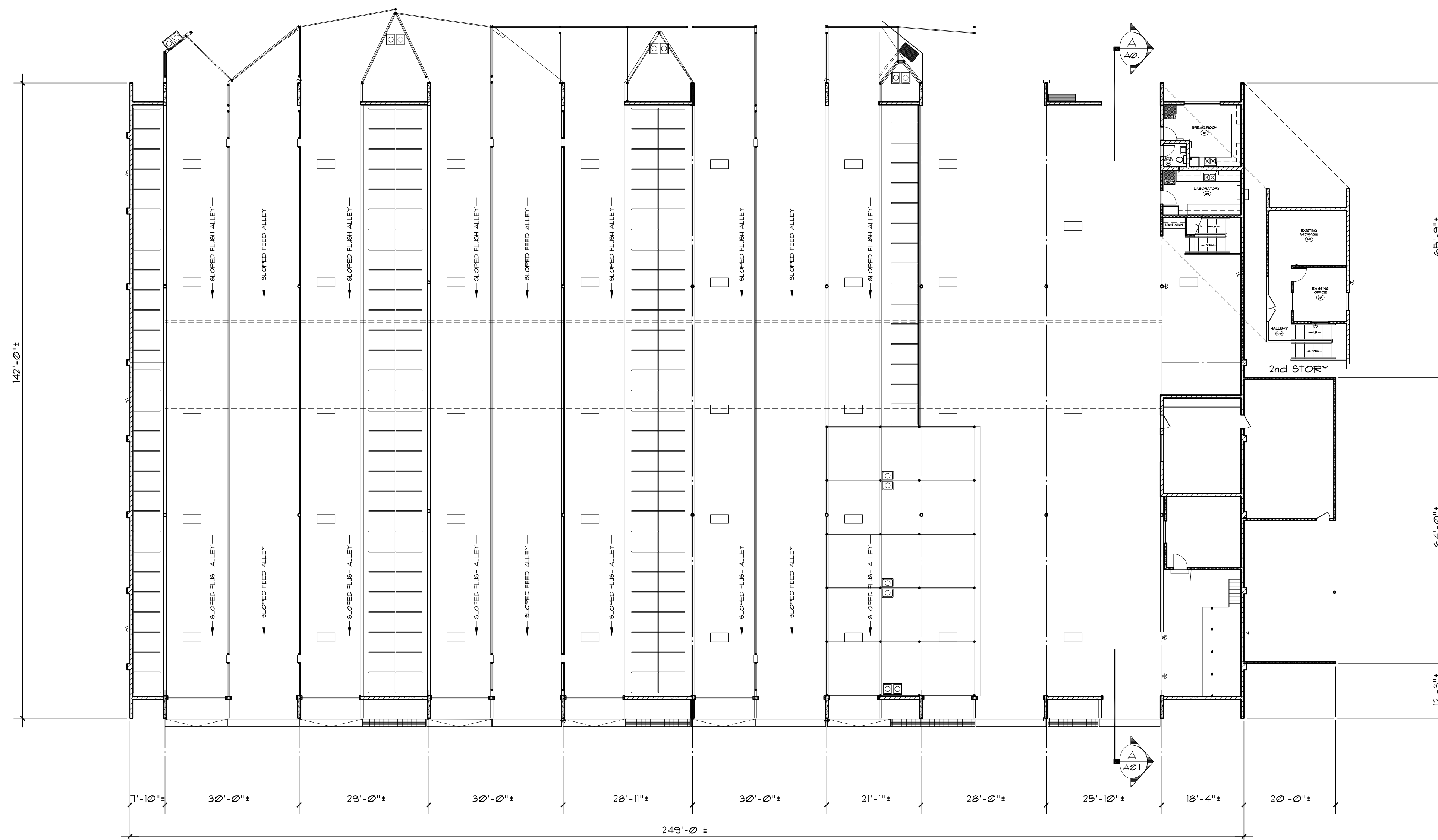
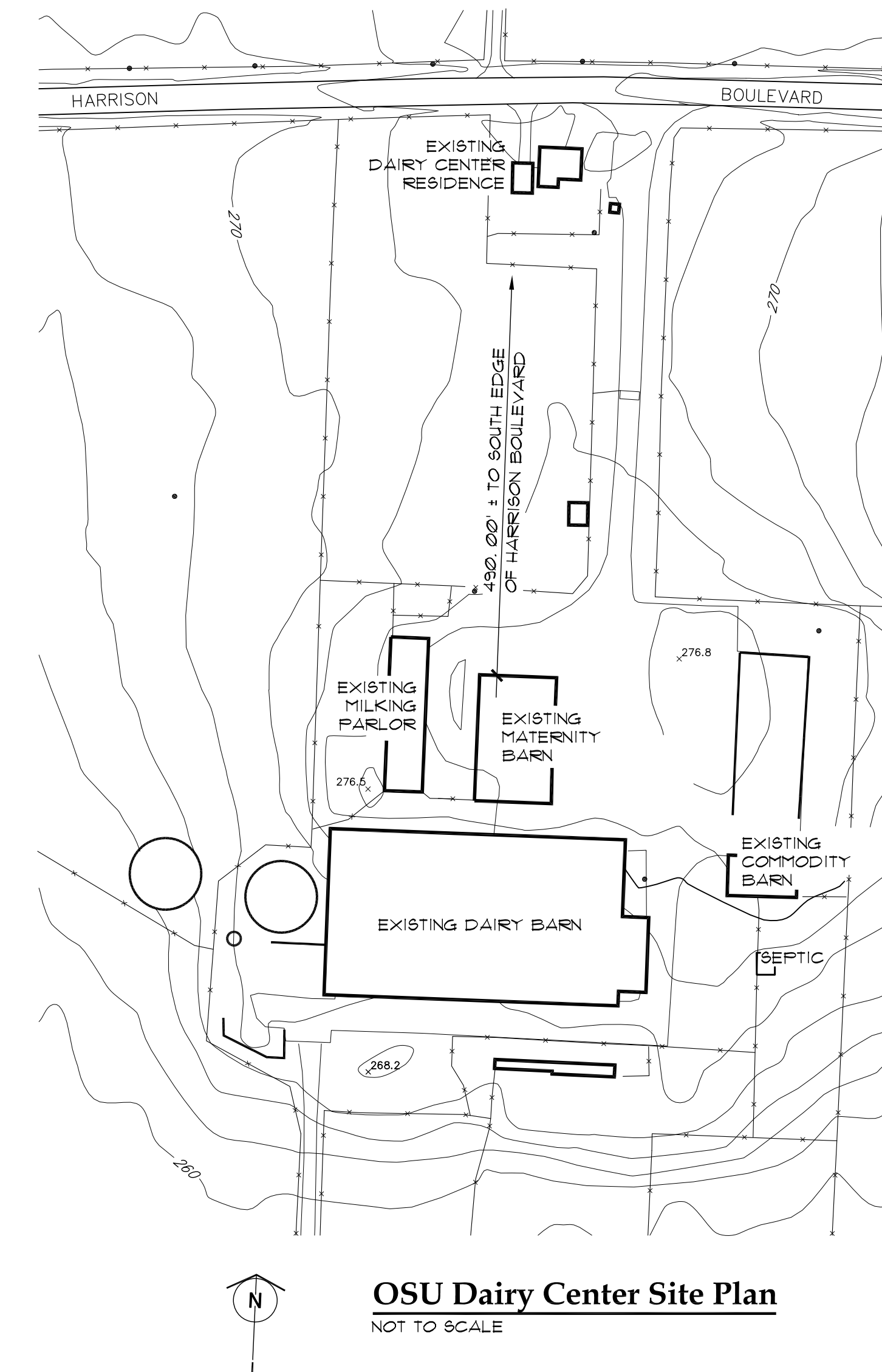


As-Built Dairy Barn Section A-A
SCALE: 1/8" = 1'-0"



As-Built Dairy Barn Floor Plan
SCALE: 1/16" = 1'-0"



Scope of Work

The OSU Department of Animal Sciences Dairy Center is located South of NW Harrison Blvd. between 35th St. and 53rd St. at 4490 NW Harrison Blvd., Corvallis, Oregon. The projected work will remove and replace the existing roofing system along with renewing the monitor space to support the critical research mission of the Center.

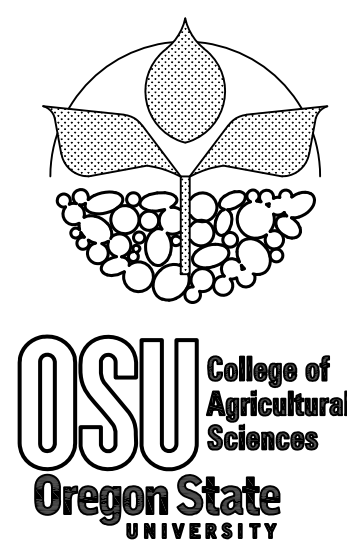
The Dairy Center construction project will replace the existing exposed fastener metal roofing system constructed over a ballasted built-up roof with a new pre-finished concealed fastener style metal roofing system. Owner will work with contractor to identify, repair and replace deteriorated structural materials.

General Notes

- 01 General notes apply to all sheets.
- 02 Comply with all applicable building codes and standards.
- 03 All 1x supports shall be Kiln Dried Douglas Fir/Larch No. 2 or better unless noted otherwise on drawings.
- 04 All 2x supports shall be Kiln Dried Douglas Fir/Larch No. 1 or better unless noted otherwise on drawings.
- 05 Provide solid blocking as noted on drawings.
- 06 Where mechanical and electrical devices and equipment penetrate roof, provide flashing caps, roofing mastic and membranes as required to thoroughly make penetrations watertight. Use flashing compatible with roof material. Coordinate with specifications.
- 07 Provide caulking and/or sealant at all cracks and intersections of materials where weather-tightness is needed, insect control is needed, or where appearance is important. Intent is a neat, weather tight, finished project.
- 08 Unless noted or specified otherwise, all interior vertical wall surfaces at fur-downs shall be unfinished.
- 09 Fire blocking as required by code.
- 10 All pre-finished concealed fastener roofing, fascia flashing, edge strips, and exterior trim shall be factory finished. Coordinate with specifications.
- 11 All gutters, outlets/tail pieces, end caps and fasteners shall be 316 stainless steel.
- 12 All downspouts, and horizontal drainage will be provided by owner.
- 13 All metal and wood surfaces, in contact with masonry work, mortar, or concrete, shall be given a heavy protective coating of bituminous paint and be treated.
- 14 Aluminum products shall be isolated from dissimilar or corrosive materials with a nonconductive coating or sealant material.
- 15 Unless noted otherwise, use hot dip galvanized or stainless steel fasteners at all connections, where exposed to weather during or after construction. All fasteners shall suit load and conditions.
- 16 At openings provide header, studs, reinforcing as shown to suit span and loads.
- 17 Contractor shall perform all work in strict accordance with the Occupational Safety and Health Standards for the construction industry (current edition). Engineering and Design work stipulated by standards shall be provided by contractor.
- 18 Contractor shall provide Architect with a digital copy of As-Built Record Drawings.

Drawing Index

- A0.1 Cover Sheet & Notes
- A1.1 Demolition Roofing Plan
- A1.2 Demolition Elevation's
- A2.1 Roofing Plan
- A2.2 Elevation's
- A3.1 Details



ARCHITECT:
Lowell A. Fausett
College of Ag Sciences
138 Strand Ag Hall
Corvallis, OR 97331
PHONE:
(541) 737-5903
FAX:
(541) 737-3178
EMAIL:
lowell.fausett@oregonstate.edu

Dairy Barn Re-Roofing Project
Department of Animal & Rangeland Sciences
3531 SW Campus Way
Corvallis, OR 97333

Drawn By:
L.A.F.

County
Benton

R/T & Section
R5W/T16 - Section 33

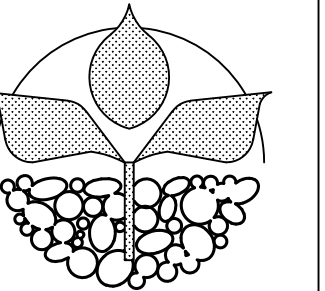
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OSU College of Agricultural Sciences
Oregon State University

ARCHITECT:
Lowell A. Fausett
College of Ag Sciences
138 Strand Ag Hall
Corvallis, OR 97331
PHONE:
(541) 737-5903
FAX:
(541) 737-3178
EMAIL:
lowell.fausett@oregonstate.edu

Dairy Barn Re-Roofing Project
Department of Animal & Rangeland Sciences
3531 SW Campus Way
Corvallis, OR 97333

Drawn By:
L.A.F.

County
Benton

R/T & Section
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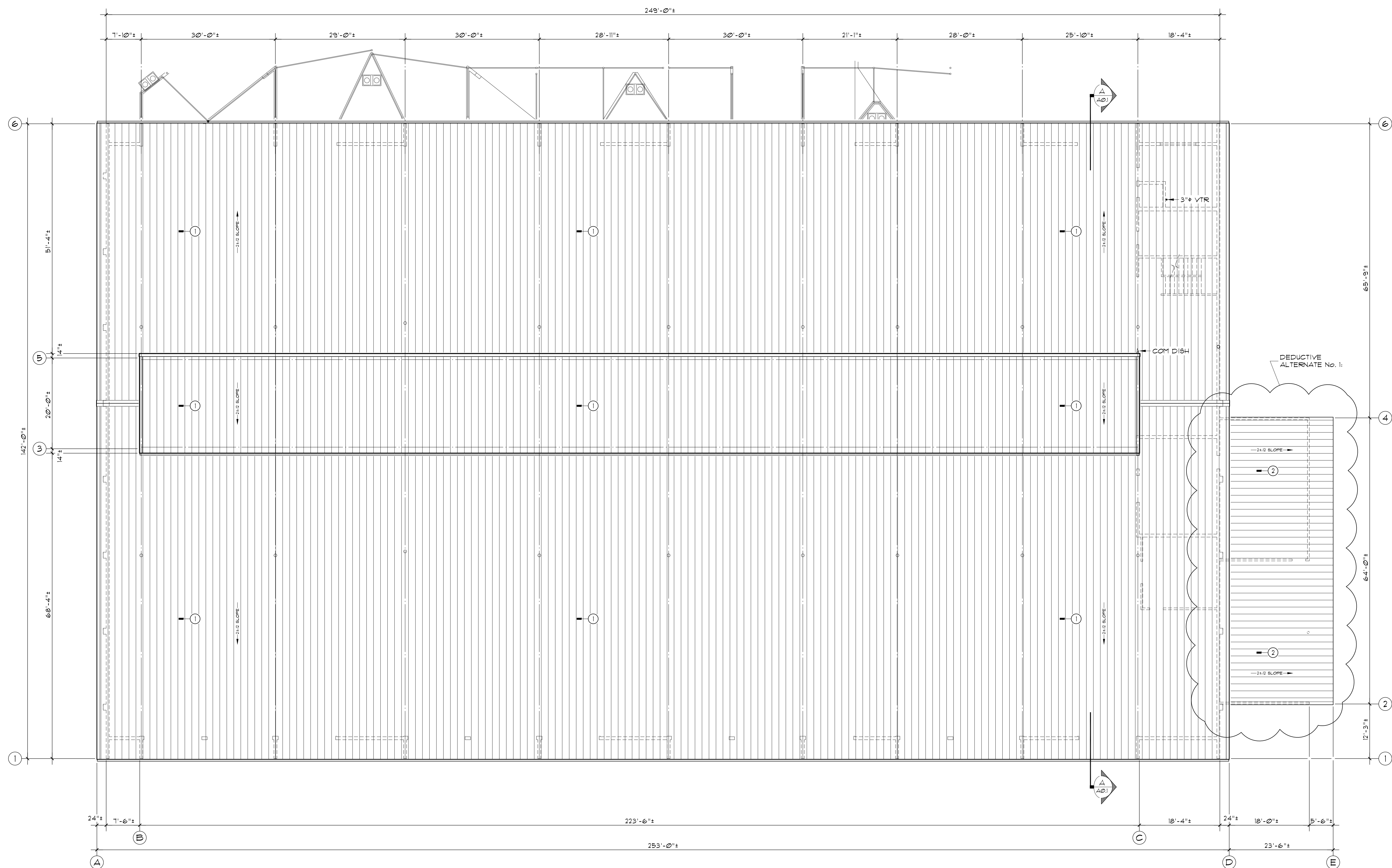
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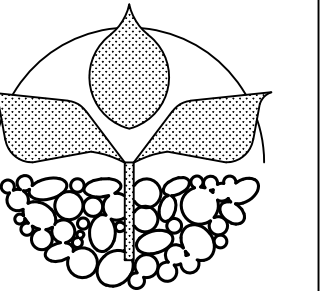
A1.1



Demolition Roofing Plan
SCALE: 3/32" = 1'-0"

General Demolition Notes:

- 1.) EXISTING METAL ROOFING WITH EXPOSED FASTENERS ON 1x NAILING STRIPS OVER GRAVEL BALLASTED BUILT-UP ROOFING OVER 5/8" CDX PLYWOOD; REMOVE ALL EXISTING ROOFING MATERIALS, NAILING STRIPS, FLASHING, GUTTERS, OUTLETS, ETC. DOWN TO EXISTING PLYWOOD DECK, 2x FASCIA'S, AND 2x RAKE BOARDS.
- a.) RE-FASTEN & TIGHTEN EXISTING PLYWOOD DECK WITH 8d GALV. NAILS.
- b.) REMOVE & REPLACE DEFECTIVE SHEATHING AS APPROVED BY OWNER.
- c.) REMOVE & REPLACE 2x FURLING AS APPROVED BY OWNER.
- 2.) DEDUCTIVE ALTERNATE No. 1:
EXISTING METAL ROOFING WITH EXPOSED FASTENERS ON 2x FURLING; REMOVE ALL EXISTING ROOFING MATERIALS, FLASHING, ETC. DOWN TO EXISTING FURLING, 2x FASCIA'S, AND 2x RAKE BOARDS.
- a.) REMOVE & REPLACE 2x FURLING AS APPROVED BY OWNER.



OSU College of Agricultural Sciences Oregon State University

ARCHITECT: Lowell A. Fausett College of Ag Sciences 138 Strand Ag Hall Corvallis, OR 97331 PHONE: (541) 737-5903 FAX: (541) 737-3178 EMAIL: lowell.fausett@oregonstate.edu

Dairy Barn Re-Roofing Project Department of Animal & Rangeland Sciences 3531 SW Campus Way Corvallis, OR 97333

Drawn By: L.A.F.

County Benton

R/T & Section R5W/T16 - Section 33

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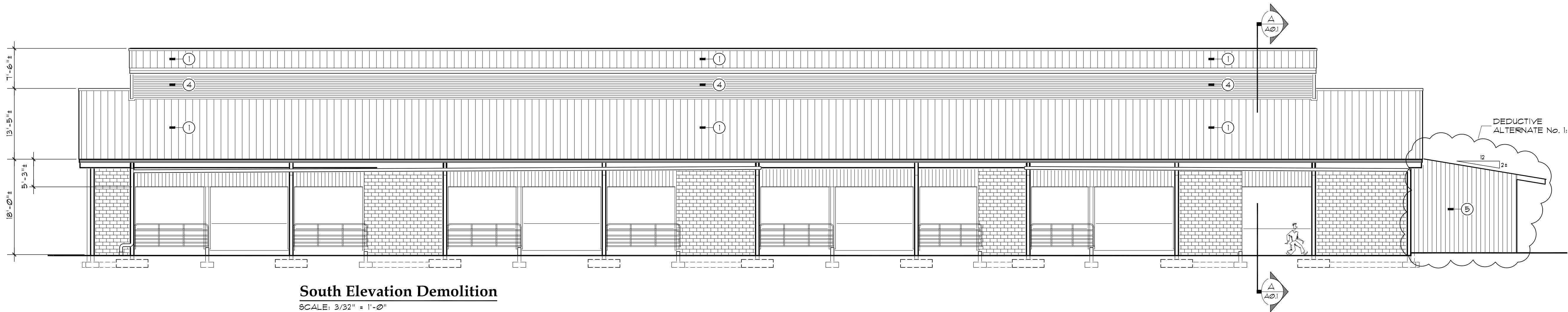
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Building Number 343

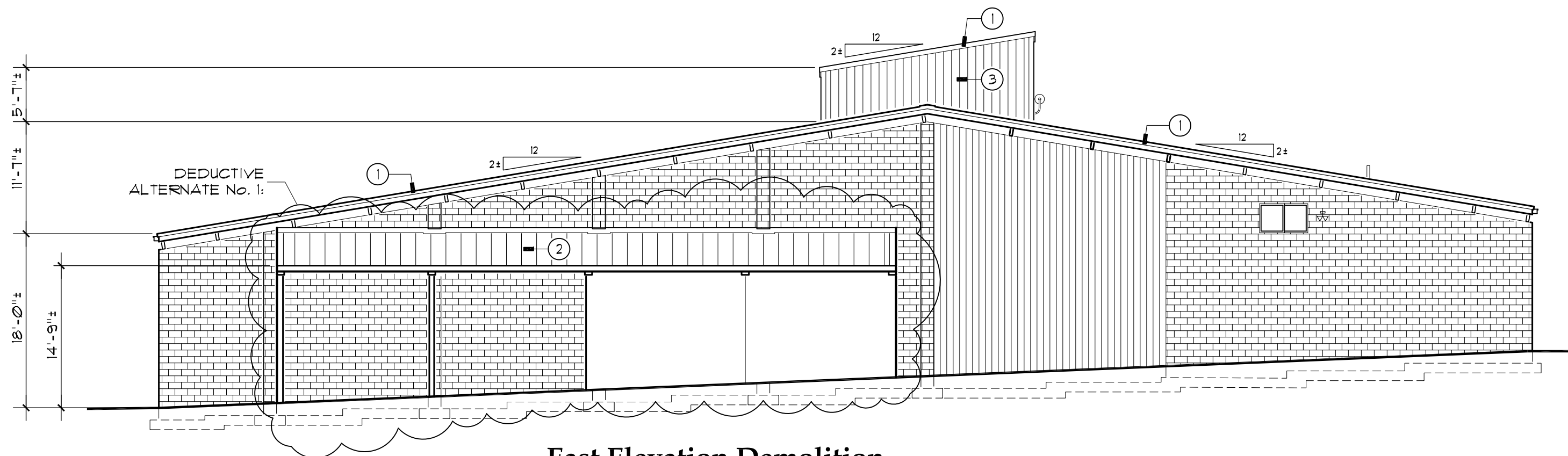
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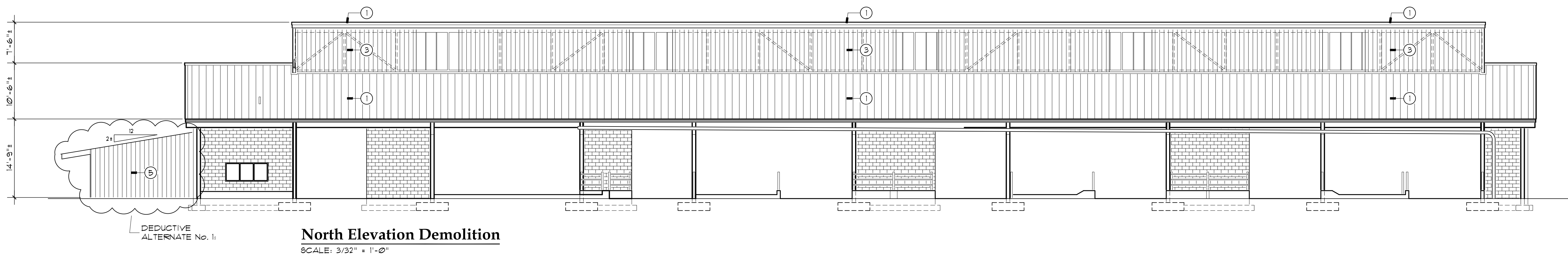
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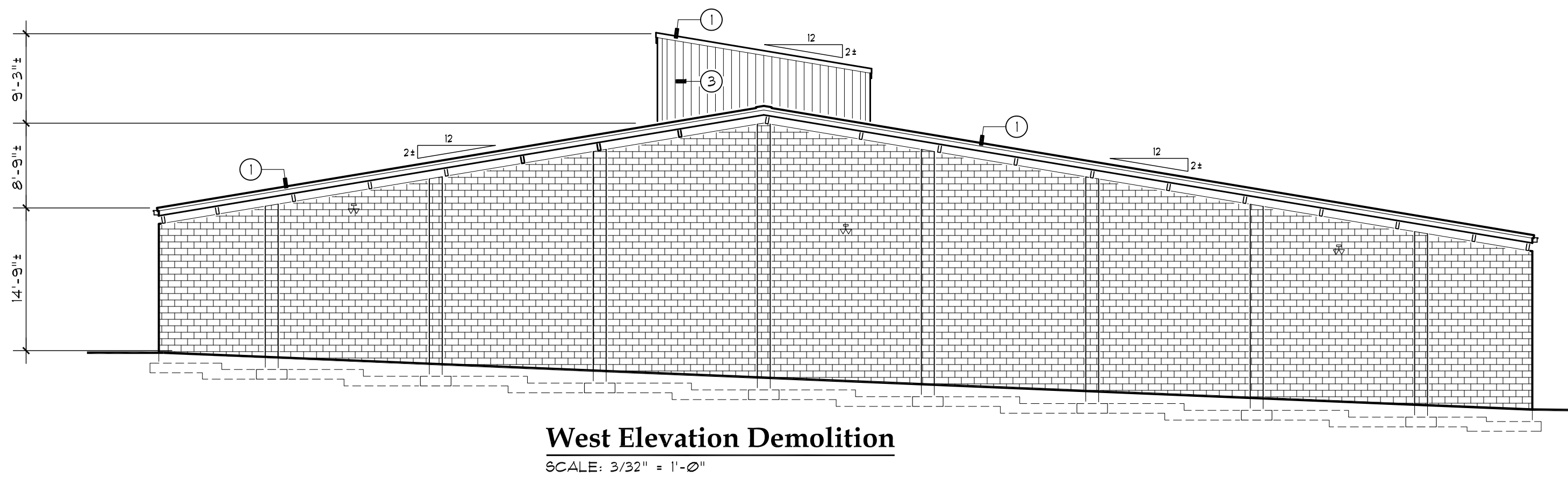
South Elevation Demolition SCALE: 3/32" = 1'-0"



East Elevation Demolition SCALE: 3/32" = 1'-0"



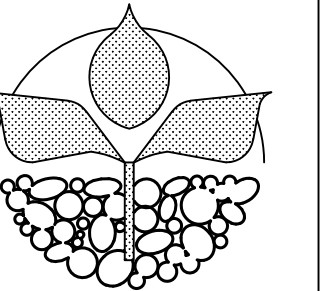
North Elevation Demolition SCALE: 3/32" = 1'-0"



West Elevation Demolition SCALE: 3/32" = 1'-0"

General Demolition Notes:

- 1.) EXISTING METAL ROOFING WITH EXPOSED FASTENERS ON 1x NAILING STRIPS OVER GRAVEL BALLASTED BUILT-UP ROOFING OVER 5/8" CDX FLYWOOD. REMOVE ALL EXISTING ROOFING MATERIALS, NAILING STRIPS, FLASHING, GUTTERS, OUTLETS, ETC. DOWN TO EXISTING FLYWOOD DECK, 2x FASCIA'S, AND 2x RAKE BOARDS. a.) RE-FASTEN & TIGHTEN EXISTING FLYWOOD DECK WITH 8d GALV. NAILS. b.) REMOVE & REPLACE DEFECTIVE SHEATHING AS APPROVED BY OWNER. c.) REMOVE & REPLACE 2x FURLING AS APPROVED BY OWNER. 2.) EXISTING METAL ROOFING WITH EXPOSED FASTENERS ON 2x FURLING; REMOVE ALL EXISTING ROOFING MATERIALS, FLASHING, ETC. DOWN TO EXISTING FURLING, 2x FASCIA'S, AND 2x RAKE BOARDS. a.) REMOVE & REPLACE 2x FURLING AS APPROVED BY OWNER. 3.) EXISTING T1-11 STYLE SIDING OVER 2x4 STUD WALL @ 24" O.C. REMOVE ALL EXISTING SIDING AND ROOFING MATERIALS, FLASHING, ETC. DOWN TO EXISTING 2x STUD WALL. a.) REMOVE & REPLACE 2x STUDS AS APPROVED BY OWNER. 4.) EXISTING TRANSLUCENT POLYCARBONATE STYLE SIDING OVER 2x4 STUD WALL @ 24" O.C. REMOVE ALL EXISTING SIDING AND ROOFING MATERIALS, FLASHING, ETC. DOWN TO EXISTING 2x STUD WALL. a.) REMOVE & REPLACE 2x STUDS AS APPROVED BY OWNER. 5.) DEDUCTIVE ALTERNATE No. 1: EXISTING T1-11 STYLE SIDING OVER 2x GIRDERS; REMOVE ALL EXISTING SIDING FLASHING, ETC. DOWN TO EXISTING 2x GIRDERS. a.) REMOVE & REPLACE 2x GIRDERS AS APPROVED BY OWNER.



OSU College of Agricultural Sciences
Oregon State University

ARCHITECT:
Lowell A. Fausett
College of Ag Sciences
138 Strand Ag Hall
Corvallis, OR 97331
PHONE:
(541) 737-5903
FAX:
(541) 737-3178
EMAIL:
lowell.fausett@oregonstate.edu

Dairy Barn Re-Roofing Project
Department of Animal & Rangeland Sciences
3531 SW Campus Way
Corvallis, OR 97333

Drawn By:
L.A.F.

County
Benton

R/T & Section
R5W/T16 - Section 33

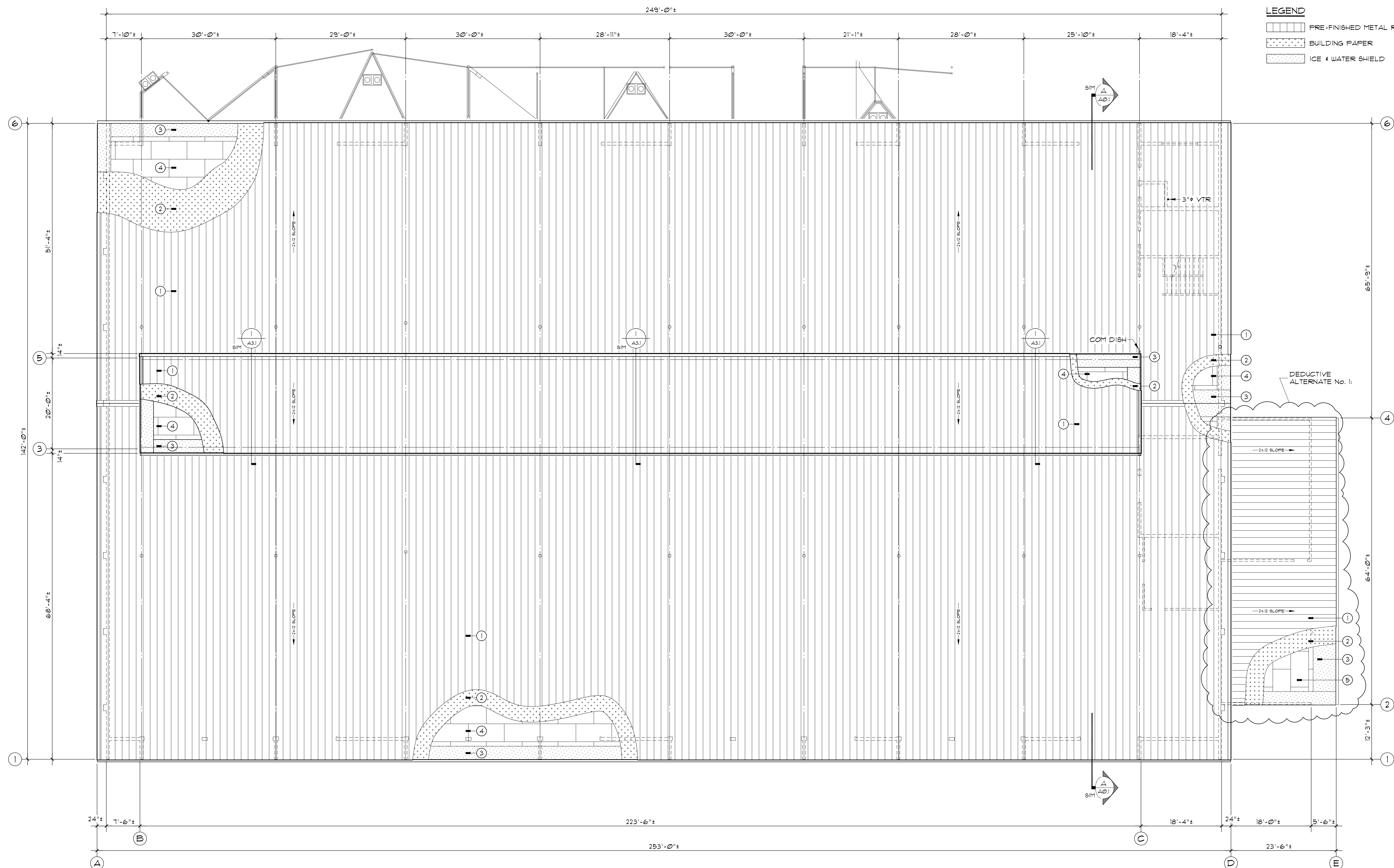
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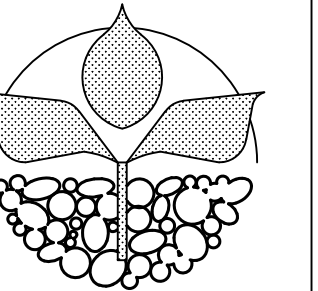
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April 28, 2020

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A2.1



Dairy Barn Roofing Replacement Plan
SCALE: 3/32" = 1'-0"

- General Roofing Notes:**
- 24 GAUGE PRE-FINISHED METAL ROOFING SYSTEM WITH CONCEALED FASTENERS (MTL-1).
 - SYNTHETIC UNDERLAYMENT, APPROVED EPILAY PROTECTITE PLATINUM OR EQUAL.
 - RUBBERIZED ASPHALT UNDERLAYMENT WITH RELEASE PAPER. INSTALL PER MANUFACTURERS RECOMMENDATION AND REQUIREMENTS.
 - EXISTING 3/8" CDX PLYWOOD SHEATHING. REPLACE DETERIORATED SHEETS AS DIRECTED BY OWNER. PROVIDE NEW 1/2" CDX SHEATHING OVER EXISTING 2x FURLINS.



OSU College of Agricultural Sciences
Oregon State University

ARCHITECT:
Lowell A. Fausett
College of Ag Sciences
138 Strand Ag Hall
Corvallis, OR 97331
PHONE:
(541) 737-5903
FAX:
(541) 737-3178
EMAIL:
lowell.fausett@oregonstate.edu

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Department of Animal & Rangeland Sciences
3531 SW Campus Way
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Drawn By:
L.A.F.

County
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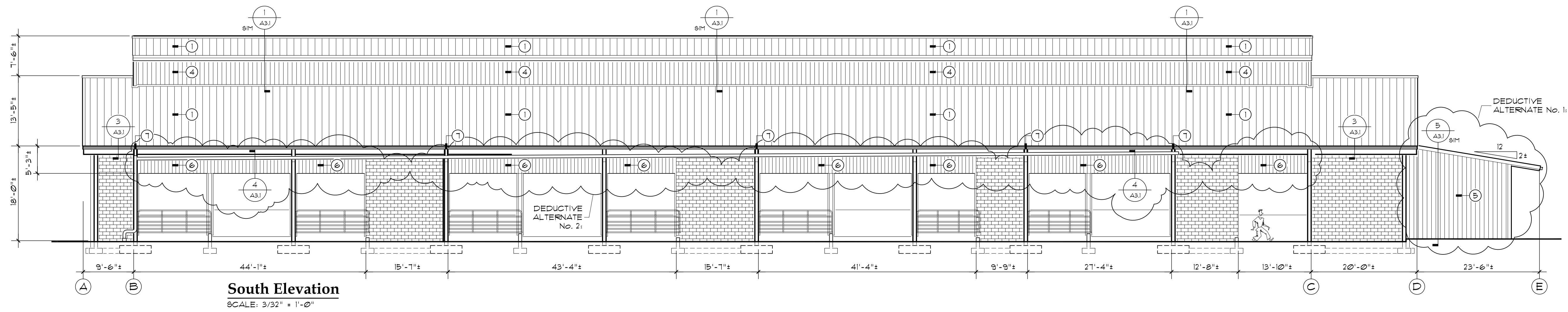
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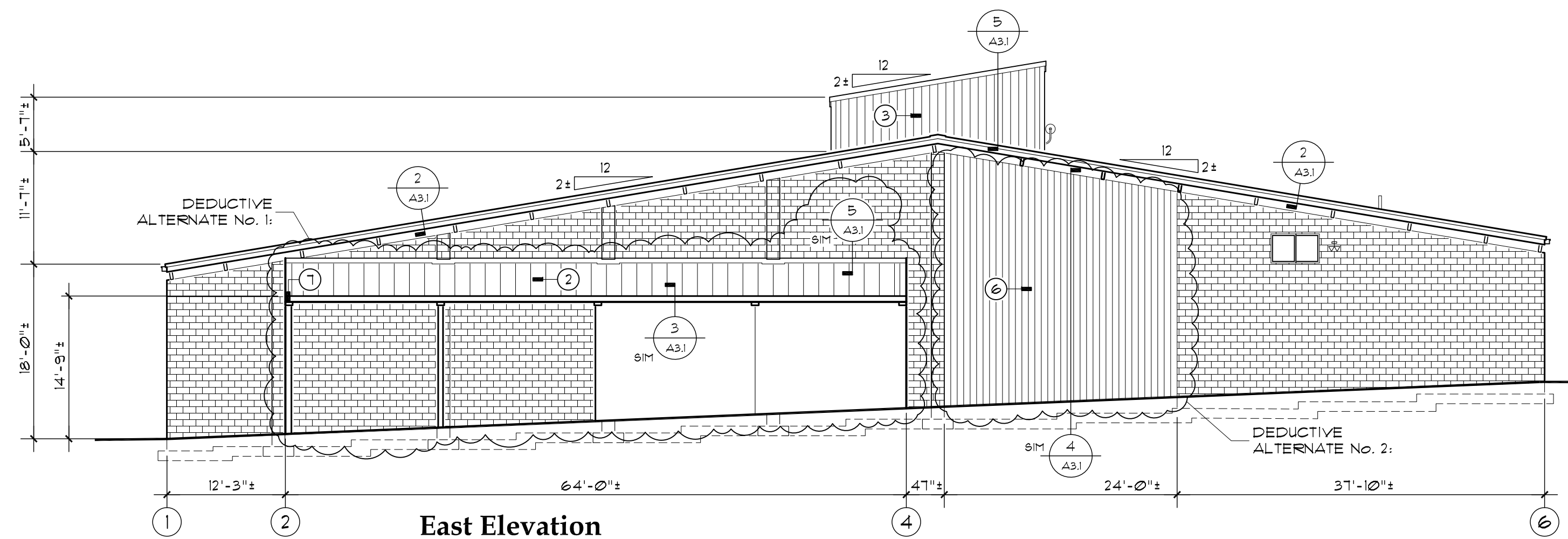
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April 28, 2020

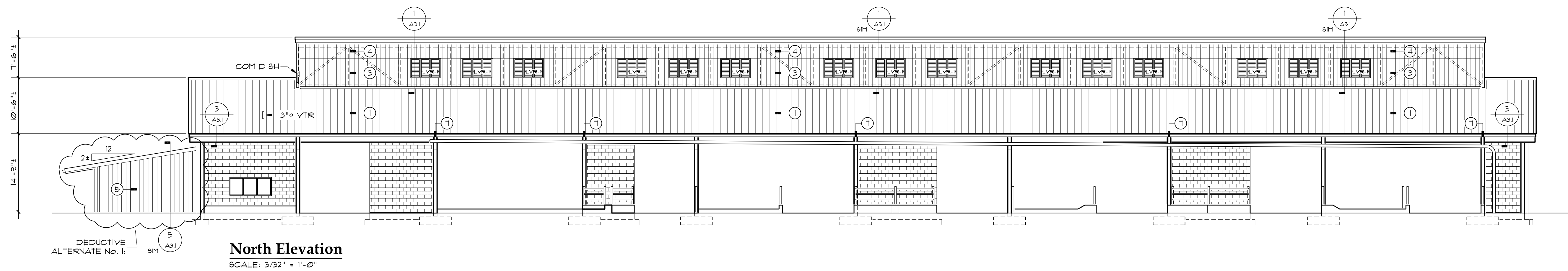
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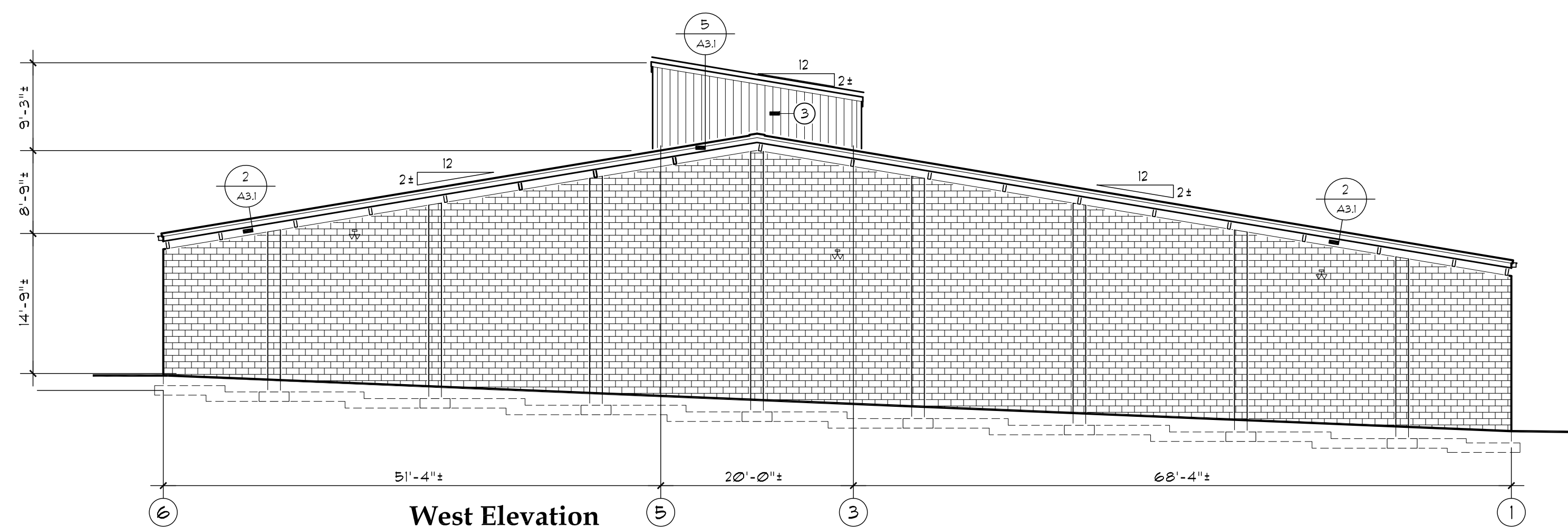
South Elevation
SCALE: 3/32" = 1'-0"



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



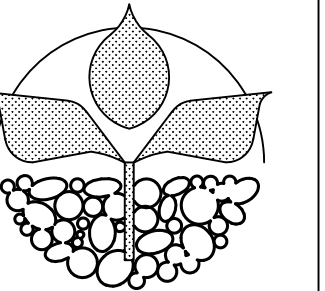
North Elevation
SCALE: 3/32" = 1'-0"



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

General Finish Notes:

- 1.) 24 GAUGE PRE-FINISHED METAL ROOFING SYSTEM (MTL-1) WITH CONCEALED FASTENERS OVER SYNTHETIC BUILDING PAPER OVER EXISTING STRUCTURE.
- 2.) DEDUCTIVE ALTERNATE No. 1:
24 GAUGE PRE-FINISHED METAL ROOFING SYSTEM (MTL-1) WITH CONCEALED FASTENERS OVER SYNTHETIC BUILDING PAPER OVER 1/2" CDX SHEATHING OVER EXISTING STRUCTURE.
- 3.) 26 GAUGE PRE-FINISHED METAL WALL PANEL SYSTEM (MTL-2) OVER 1x NAILING STRIPS @ 24" O.C. OVER EXISTING STRUCTURE.
- 4.) POLYCARBONATE WALL PANEL (FP-1) SYSTEM OVER 1x NAILING STRIPS @ 24" O.C. OVER EXISTING STRUCTURE.
- 5.) DEDUCTIVE ALTERNATE No. 1:
26 GAUGE PRE-FINISHED METAL WALL PANEL SYSTEM (MTL-2) OVER EXISTING 2x GIRDERS.
A.) CONTINUOUS 26 GAUGE PRE-FINISHED OUTSIDE CORNER TRIM @ CORNERS.
B.) CONTINUOUS 26 GAUGE PRE-FINISHED "J" METAL TRIM @ VERTICAL EDGE AGAINST EXISTING CMU.
C.) CONTINUOUS 26 GAUGE PRE-FINISHED METAL DRIP TRIM @ BOTTOM OF PANEL'S.
- 6.) DEDUCTIVE ALTERNATE No. 2:
26 GAUGE PRE-FINISHED METAL WALL PANEL SYSTEM (MTL-2) OVER EXISTING 11" SIDING OVER 2x STUDS.
A.) CONTINUOUS 26 GAUGE PRE-FINISHED "J" METAL TRIM @ HEAD OF PANEL AND VERTICAL EDGE.
B.) CONTINUOUS 26 GAUGE PRE-FINISHED METAL DRIP TRIM @ BOTTOM OF PANEL'S.
- 7.) 3" x 316 STAINLESS STEEL GUTTER & OUTLET (SS-1) TO TERMINATE IN 4" PVC DOWNSPOUT/STORM DRAINAGE SYSTEM.
A.) PVC STORM DRAINAGE BY OWNER.



OSU College of Agricultural Sciences
Oregon State University

ARCHITECT:
Lowell A. Fausett
College of Ag Sciences
138 Strand Ag Hall
Corvallis, OR 97331
PHONE:
(541) 737-5903
FAX:
(541) 737-3178
EMAIL:
lowell.fausett@oregonstate.edu

Dairy Barn Re-Roofing Project
Department of Animal & Rangeland Sciences
3531 SW Campus Way
Corvallis, OR 97333

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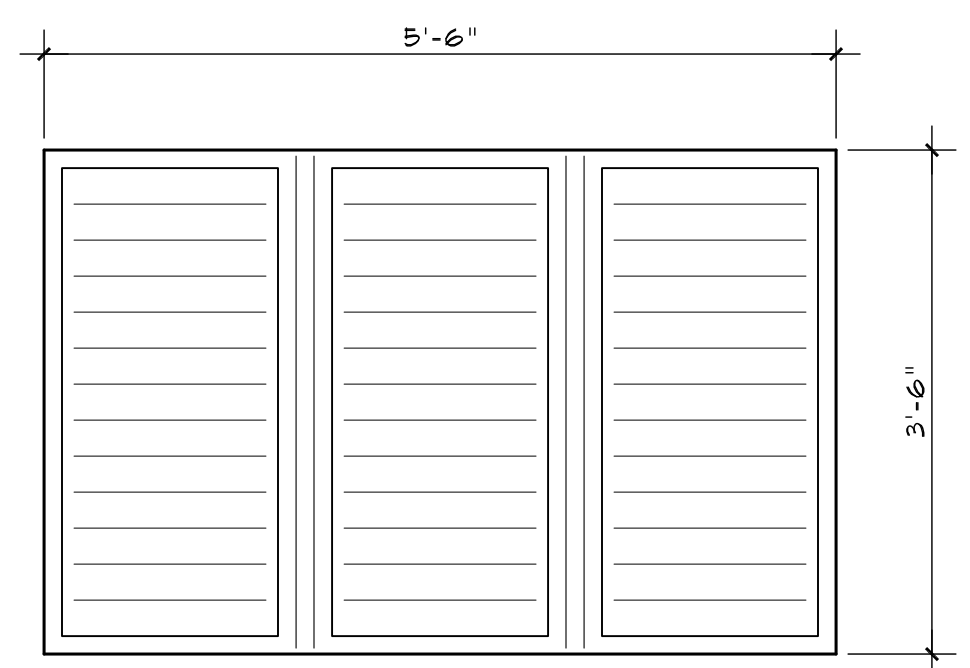
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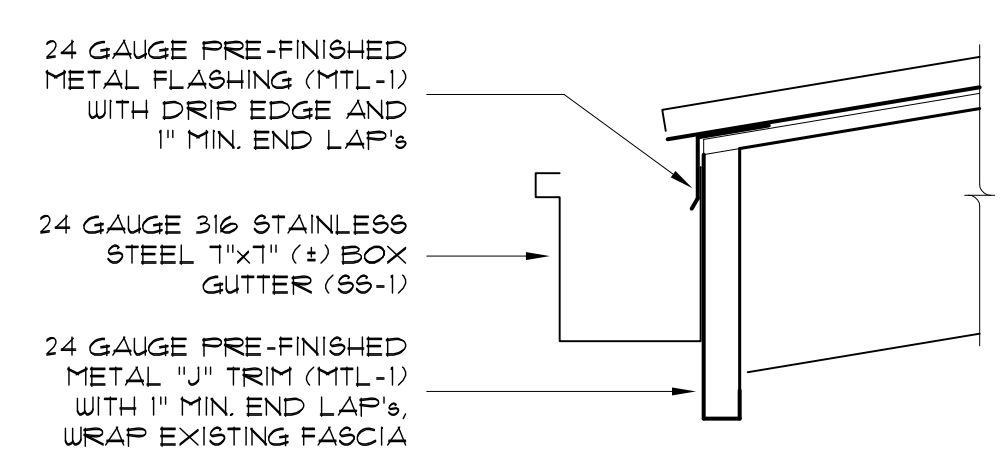
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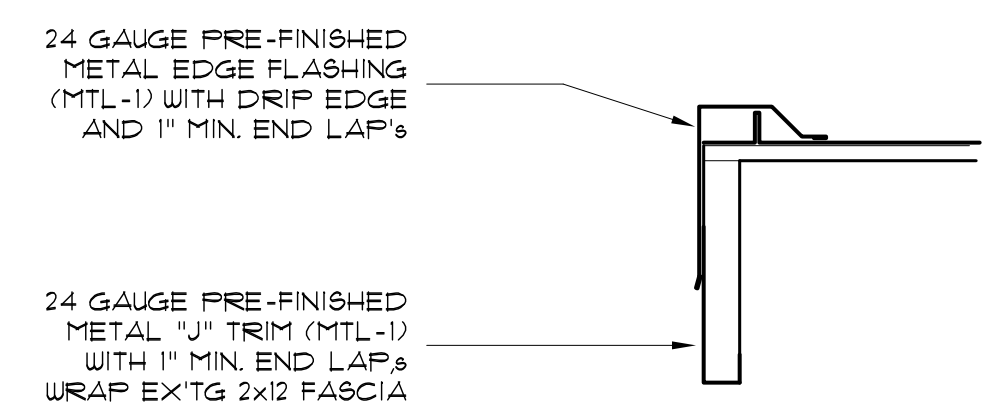
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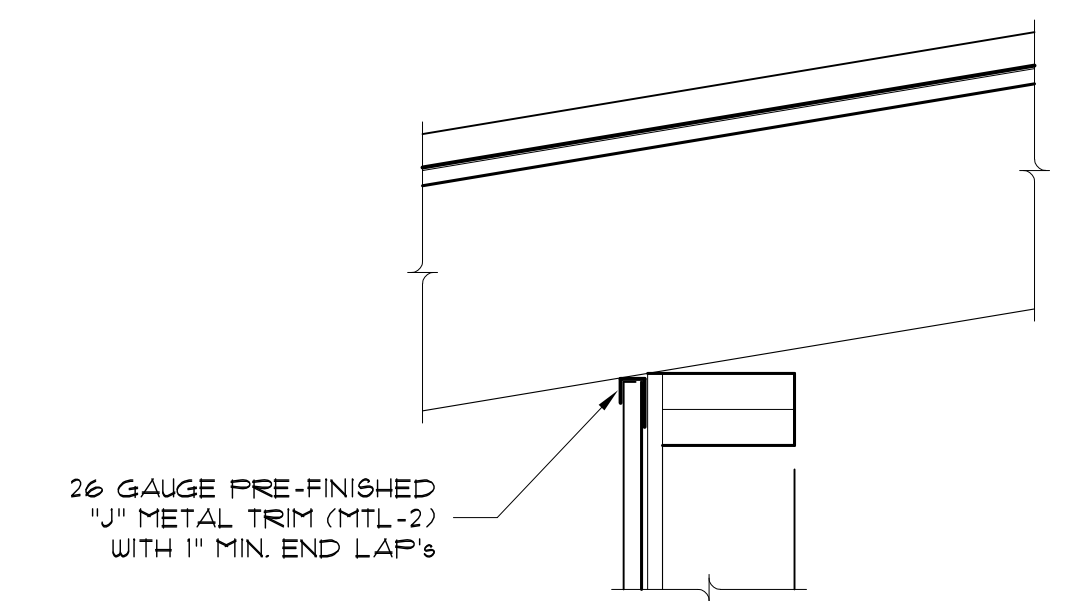
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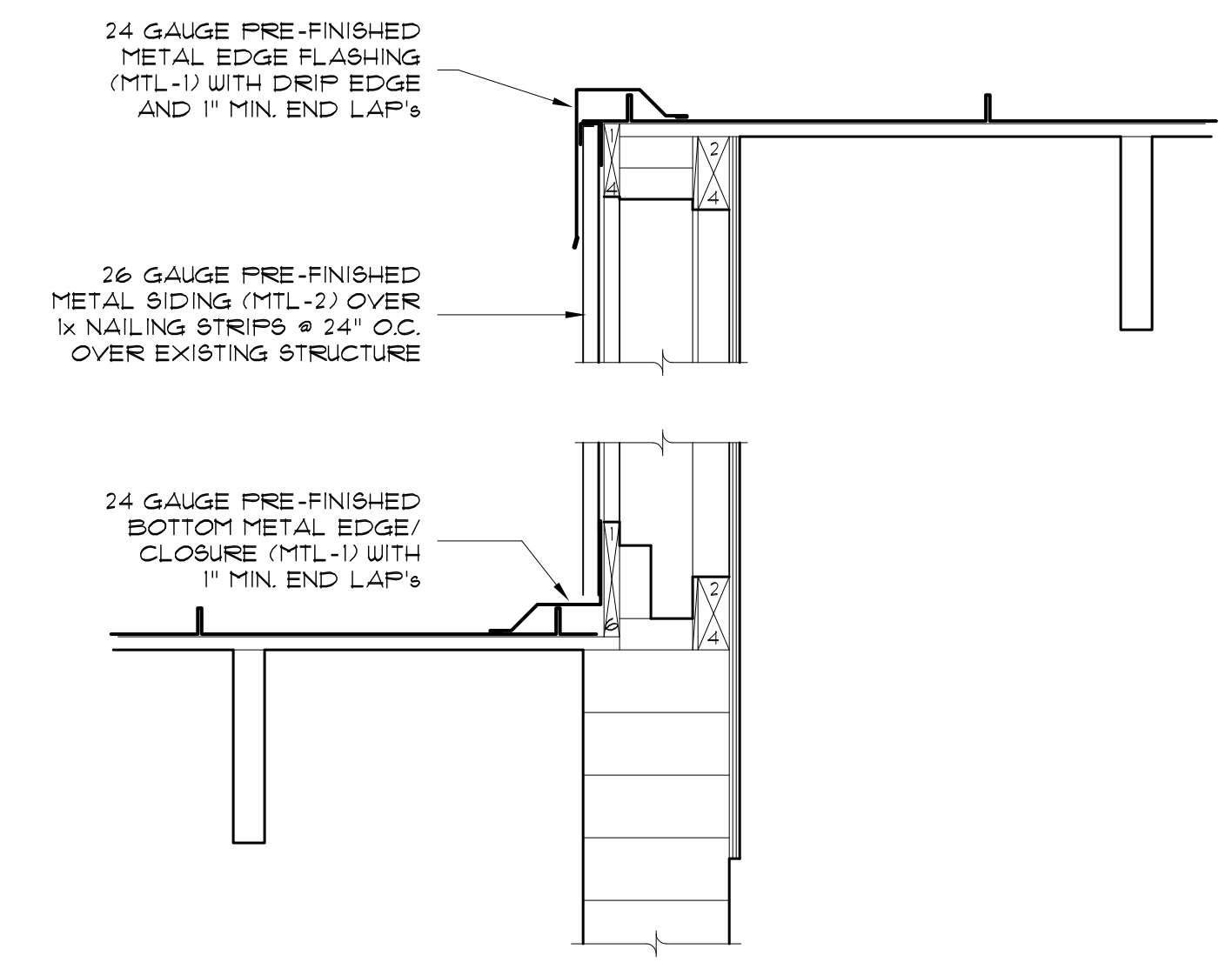
3 Fascia Detail
SCALE: 1 1/2" = 1'-0"



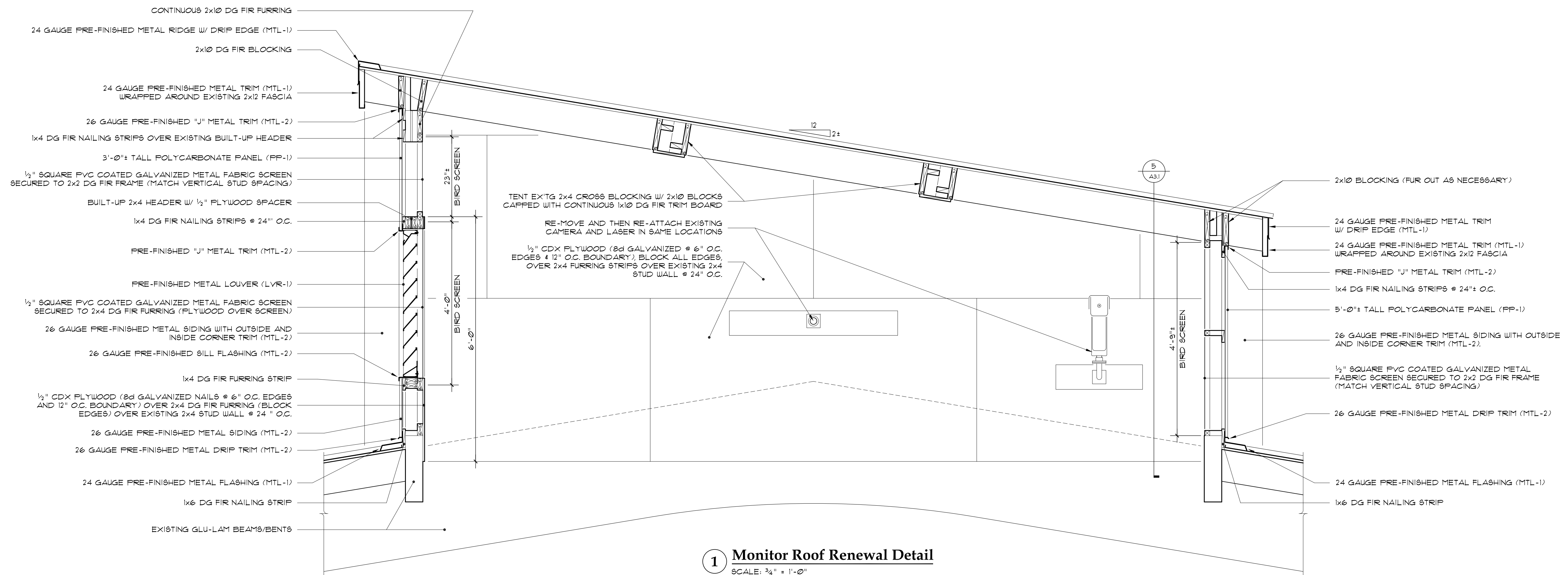
2 Rake Detail
SCALE: 1 1/2" = 1'-0"



4 Head Detail @ Dairy Alley
SCALE: 1 1/2" = 1'-0"



5 Monitor End/Rake Detail
SCALE: 1 1/2" = 1'-0"



1 Monitor Roof Renewal Detail
SCALE: 3/4" = 1'-0"