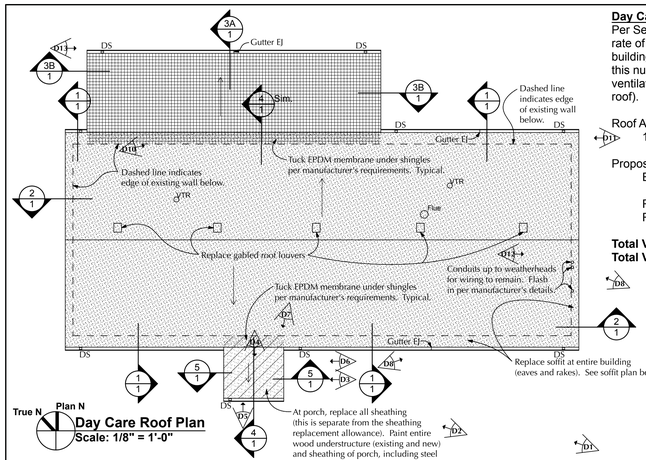


Day Care Roof Plan
Scale: 1/8" = 1'-0"

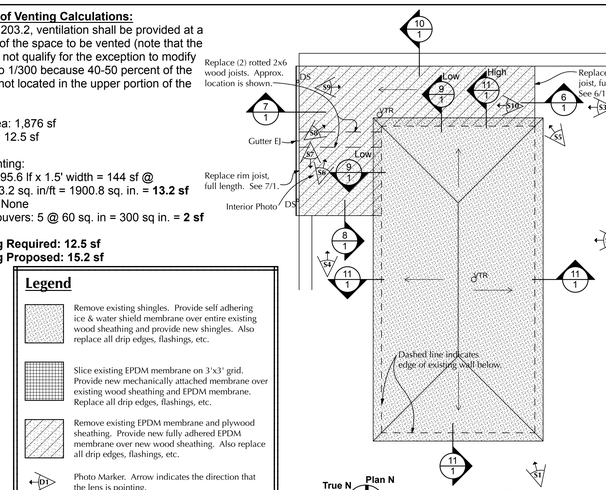
Day Care Roof Venting Calculations:

Per Section 1203.2, ventilation shall be provided at a rate of 1/150 of the space to be vented (note that the building does not qualify for the exception to modify this number to 1/300 because 40-50 percent of the ventilation is not located in the upper portion of the roof).

Roof Attic Area: 1,876 sf
1/150 = 12.5 sf

Proposed venting:
Eaves: 95.6 lf x 1.5' width = 144 sf @ 13.2 sq. in/ft = 1900.8 sq. in. = **13.2 sf**
Rakes: None
Roof Louvers: 5 @ 60 sq. in = 300 sq in. = **2 sf**

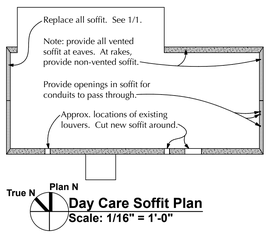
Total Venting Required: 12.5 sf
Total Venting Proposed: 15.2 sf



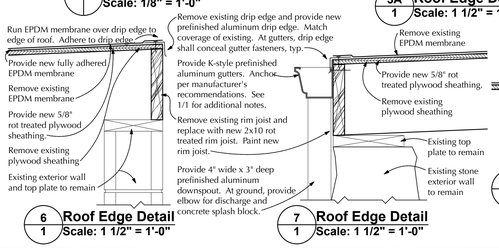
Stadium Building Roof Plan
Scale: 1/8" = 1'-0"

Legend

- Remove existing shingles. Provide self adhering ice & water shield membrane over entire existing wood sheathing and provide new shingles. Also replace all drip edges, flashings, etc.
- Slice existing EPDM membrane on 3'x3' grid. Provide new mechanically attached membrane over existing wood sheathing and EPDM membrane. Replace all drip edges, flashings, etc.
- Remove existing EPDM membrane and plywood sheathing. Provide new fully adhered EPDM membrane over new wood sheathing. Also replace all drip edges, flashings, etc.
- D1 — Photo Marker. Arrow indicates the direction that the lens is pointing.

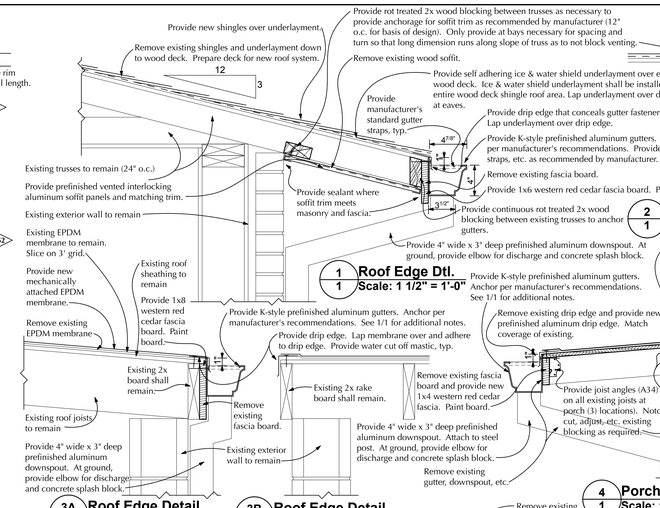


Day Care Soffit Plan
Scale: 1/16" = 1'-0"



6 Roof Edge Detail
Scale: 1 1/2" = 1'-0"

7 Roof Edge Detail
Scale: 1 1/2" = 1'-0"



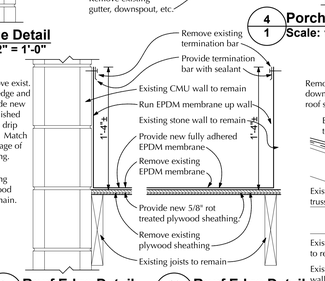
1 Roof Edge Dtl.
Scale: 1 1/2" = 1'-0"

3A Roof Edge Detail
Scale: 1 1/2" = 1'-0"

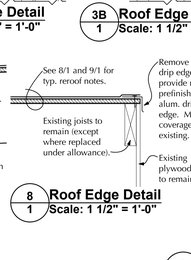
3B Roof Edge Detail
Scale: 1 1/2" = 1'-0"

2 Roof Rake Detail
Scale: 1 1/2" = 1'-0"

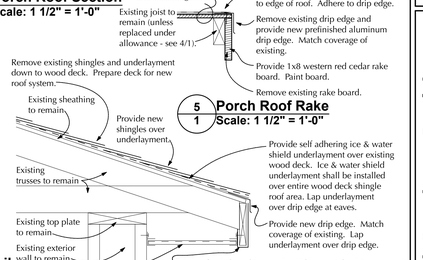
4 Porch Roof Section
Scale: 1 1/2" = 1'-0"



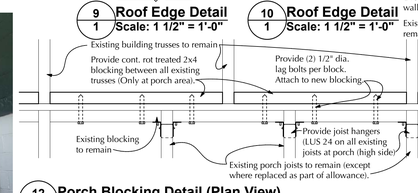
8 Roof Edge Detail
Scale: 1 1/2" = 1'-0"



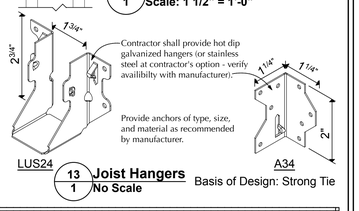
5 Porch Roof Rake
Scale: 1 1/2" = 1'-0"



11 Roof Edge Detail
Scale: 1 1/2" = 1'-0"



12 Porch Blocking Detail (Plan View)
Scale: 1 1/2" = 1'-0"



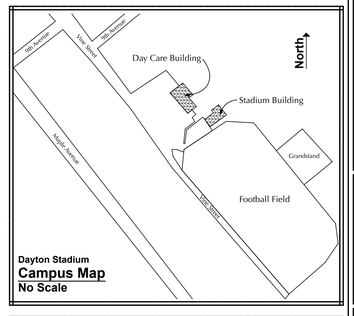
13 Joist Hangers
No Scale

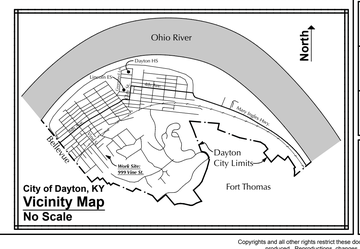
Basis of Design: Strong Tie

Allowances

1. Provide an allowance to ***remove and replace 300 square feet of existing roof sheathing***. Assume 5/8" thickness for bid purposes and field verify actual thickness. Use exterior rated APA tongue and groove plywood and attach to joists with 10d nails at 6" o.c. along edges and in field.

2. At Day Care Building porch, ***remove and replace 50 linear feet of 2x4 joist framing.*** Use pressure treated lumber (No. 1 southern yellow pine).





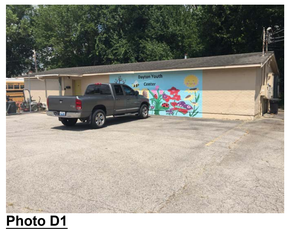


Photo D1

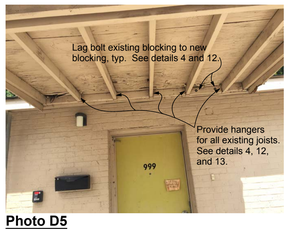


Photo D5

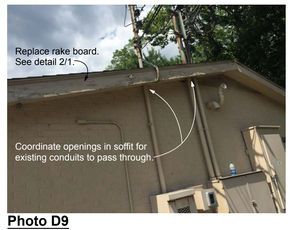


Photo D9

Photo D13

Photo S4

Photo D2

Photo D6

Photo D10

Photo S1

Photo S5

Photo S8

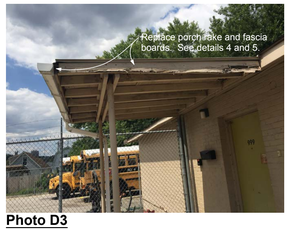


Photo D3

Photo D7

Photo D11

Photo S2

Photo S6

Photo S9

Photo D4

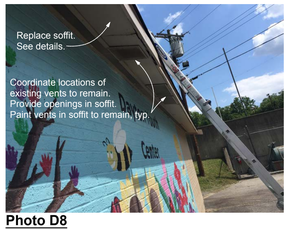


Photo D8

Photo D12

Photo S3

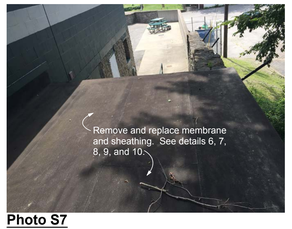


Photo S7

Photo S10

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Dayton Roofs 2020 - Day Care and Stadium Building

999 Vine Street
Dayton, Kentucky 41074

Dayton Independent Board of Education
Mr. Jay Brewer, Superintendent

SHEET TITLE

BG # 21-076

REH # 168-820 (NCO)

DATE 11/18/2020

1 of 1

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