

- ROOF PLAN NOTES**
- SEE A10 FOR TYPICAL ROOF/CEILING CONSTRUCTION.
 - ALL HIP/GABLES TO BE OPEN TO PRIMARY ATTIC.
 - RIDGE VENT TO RUN CONTINUOUSLY.
 - PROVIDE AN NFPA 13 DRY SPRINKLER SYSTEM THROUGHOUT ATTIC SPACE.
 - PROVIDE 1 HOUR RATED SELF-CLOSING ATTIC ACCESS PANEL LOCATED IN ELEC. ROOM 396B. SEE DETAIL 12/A841.
 - PROVIDE 4" WIDE CONTINUOUS PLYWOOD CATWALK THROUGHOUT ATTIC. PROVIDE LIGHT STRING AT CATWALK 22" O.C.
 - SOFFITS AT MAIN ROOF SHALL BE 2'-0" WIDE AND FULLY VENTED UNLESS NOTED OTHERWISE.
 - SEE A880 FOR RATED ROOF PENETRATION DETAIL.
 - SEE A841 FOR TYPICAL ROOF VALLEY DETAIL AND TYPICAL ROOF RIDGE VENT DETAIL.
 - KICK OUT FLASHING REQUIRED AT ALL FASCIA AND WALL INTERSECTIONS.
 - INSULATE & INSTALL VAPOR BARRIER AT ALL DUCTWORK IN ATTIC. VERIFY RADIATION DAMPER PENETRATION AT CEILING MEMBRANE.
 - CONNECT DOWNSPOUTS AND OVERFLOW DRAINS TO STORM WATER SYSTEM AT PARKING LOT SIDES OF THE BUILDING. COORD. W/ CIVIL.
 - ANY ROOF WITH A SLOPE LESS THAN 4:12 TO RECEIVE FULL ICE AND WATER SHIELD.

ROOF/ATTIC VENTILATION CALCULATIONS

ATTIC VENTILATION - IBC SECTION 1203.2
ENCLOSED ATTICS AND RAFTER SPACES FORMED WHERE CEILING ARE APPLIED TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF PRECIPITATION.

- THE AREA OF THE VENTILATED OPENINGS MAY BE 1/200TH (DOCUMENTS REQUIRE 1/200TH) OF THE TOTAL AREA VENTILATED, PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE VENTILATED, AT LEAST 3 FEET ABOVE THE EAVE OR CORNICE VENTS, AND AT LEAST 50 PERCENT OF THE REQUIRED VENTILATED AREA IS PROVIDED BY EAVE OR CORNICE VENTS.
- THE AREA MAY BE 1/200TH (DOCUMENTS REQUIRE 1/200TH) OF THE SPACE VENTILATED PROVIDED A VAPOR RETARDER HAVING A TRANSMISSION RATE NOT EXCEEDING 1 PERM IS INSTALLED ON THE WARM SIDE OF THE ATTIC INSULATION. VENTILATING OPENINGS SHALL BE COVERED WITH CORROSION RESISTANT METAL MESH OPENINGS 1/4 INCH IN ANY DIMENSION.
- NET FREE VENTILATION AREA (NTFV) OF SOFFIT: 18 SQ IN PER LINEAR FOOT
- NTFV OF RIDGE VENT: 18 SQ IN PER LINEAR FOOT

ATTIC VENT CALCULATIONS

FLOOR AREA OF ATTIC SPACE = 29,410 sq ft
 VENTILATING AREA REQ'D: 29,410 sq ft / 150 = 196 sq ft = **28,224 sq ft**
 ACTUAL AREA OF SOFFIT VENTS = 970 LF of SOFFIT X 18 sq in PER LF = 17,460 sq ft
 ACTUAL AREA OF RIDGE VENTS = 584 LF of RIDGE VENTS X 18 sq in PER LF = 10,512 sq ft
 ACTUAL AREA OF GABLE LOUVERS = 15 LOUVERS X 33 sq in PER LF = 495 sq ft
 TOTAL VENTILATING AREA = **28,467 sq ft (SUFFICIENT)**

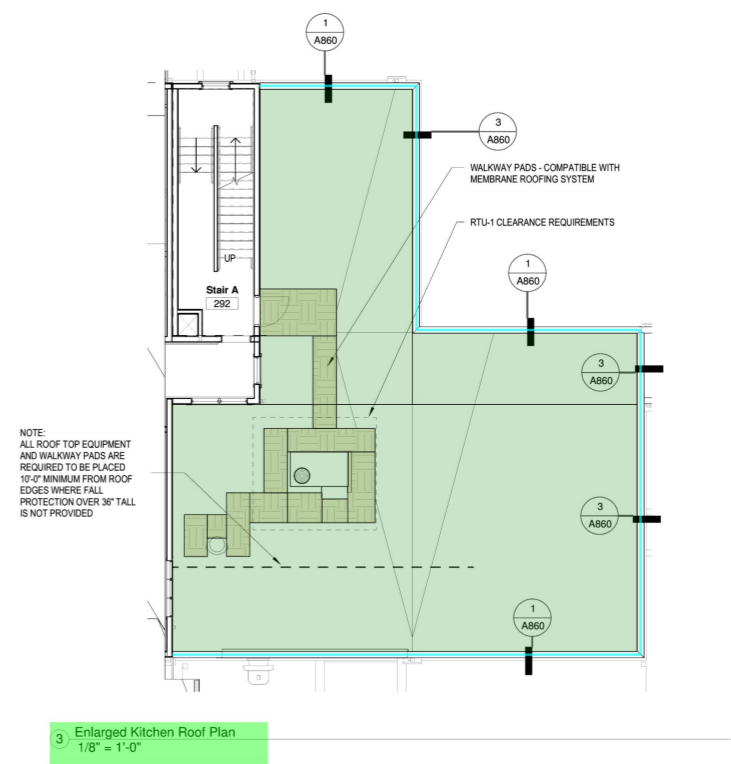
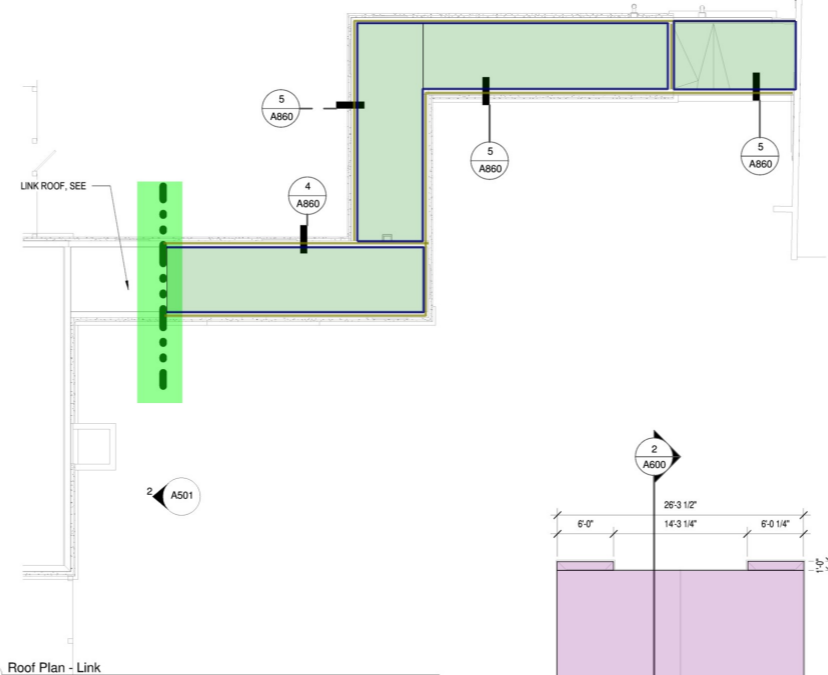
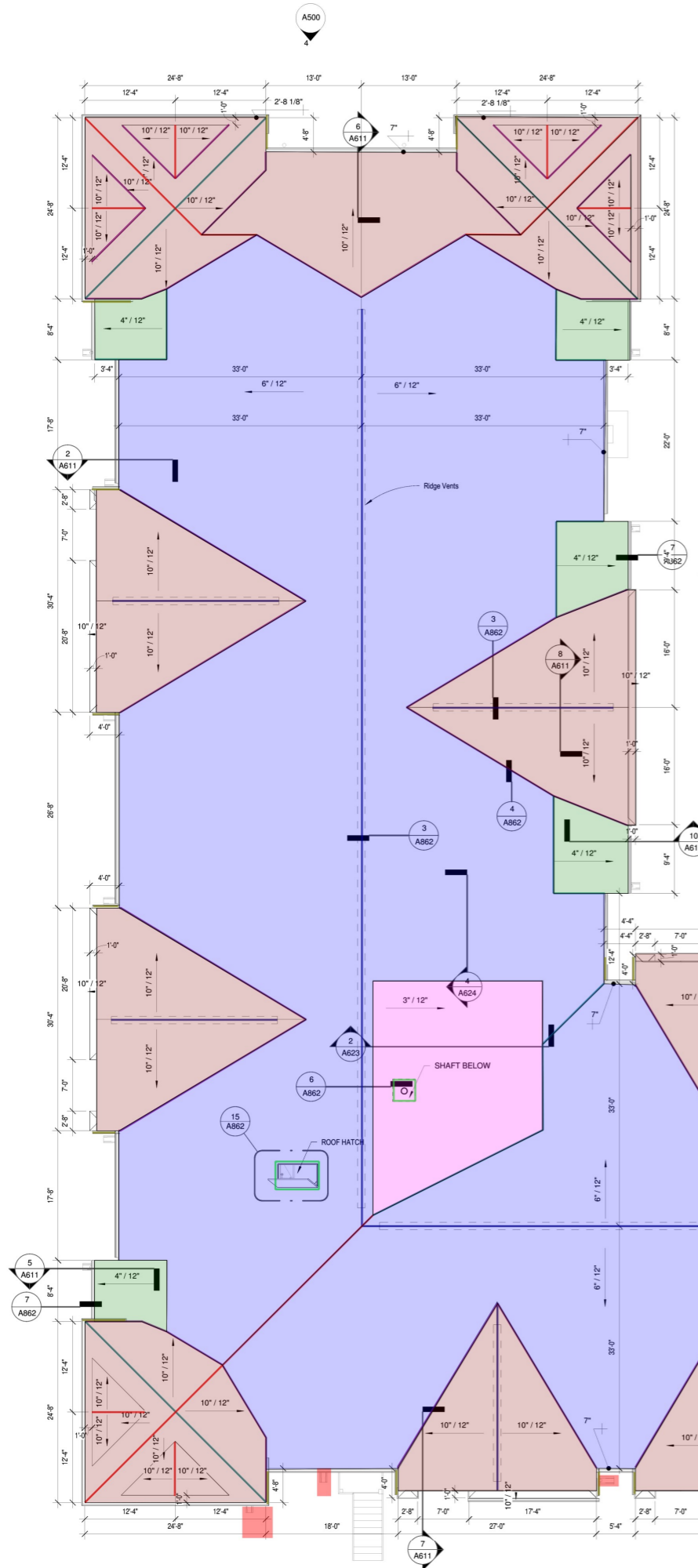
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1 Roof Plan 1/8" = 1'-0"

- Roof
- Parapet Metal Coping W/ Keeper & Prefomed Slope (1x12)CFB Fascia Trim Board + Adhered Membrane 2'-6"
- Vapor Barrier+Tapered Rigid Insulation R-30+ Adhered EPDM Roofing Membrane
- Walkway Pads - Compatible With Membrane Roofing System
- Ridge Vent W/ Cap Shingles
- Valley Flashing
- Hip Flashing
- Ridge Flashing
- Flashing
- Asphalt Shingles+ICE & Wate Shield+Roofing Felt
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- Parapet Metal Coping W/ Keeper & Prefomed Slope+ Adhered Membrane 2'-6"
- Cant Strip W/ Flashing
- Asphalt Shingles+ICE & Wate Shield+Roofing Felt
- Prefin. Metal Drip Edge+Prefinished Metal Seamless Gutter+Prefin. Break Metal Fascia+(2'-0") Wide Prefinished Vented Alum. Soffit Panel+1x... 55.9 FT

Project: Annandale Care Center
 500 Park St E, Annandale, MN 55302

Owner: Annandale Care Center
 Project Number: 19071
 Date: 06/12/2020

NOT FOR CONSTRUCTION

Date: _____

Revision: _____

Area: 0.0
 151.5 FT
 2,745.4 SQ FT
 193.9 SQ FT
 508.8 FT
 880.4 FT
 458.7 FT
 159.2 FT
 199.2 FT
 15,569.2 SQ FT
 621.8 SQ FT
 9,887.2 SQ FT
 1,018.8 SQ FT
 216.0 FT
 416.7 FT
 1,158.8 SQ FT
 55.9 FT