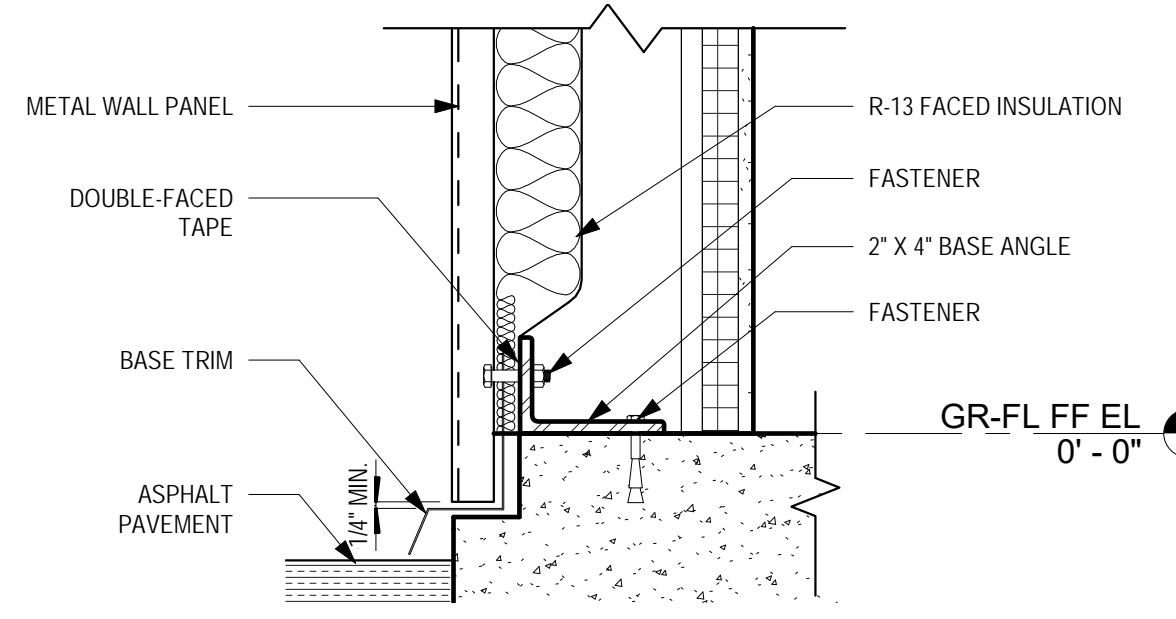
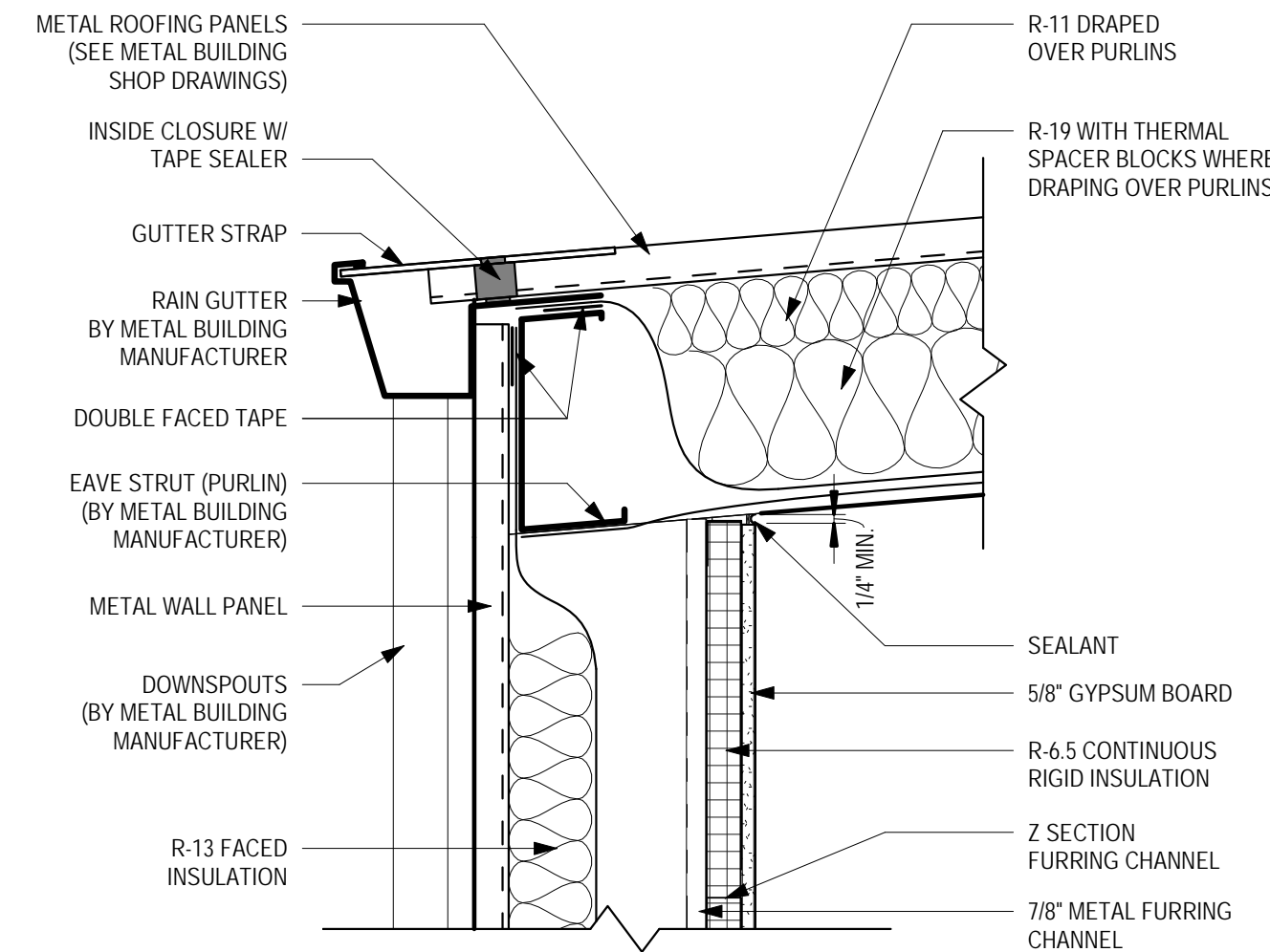


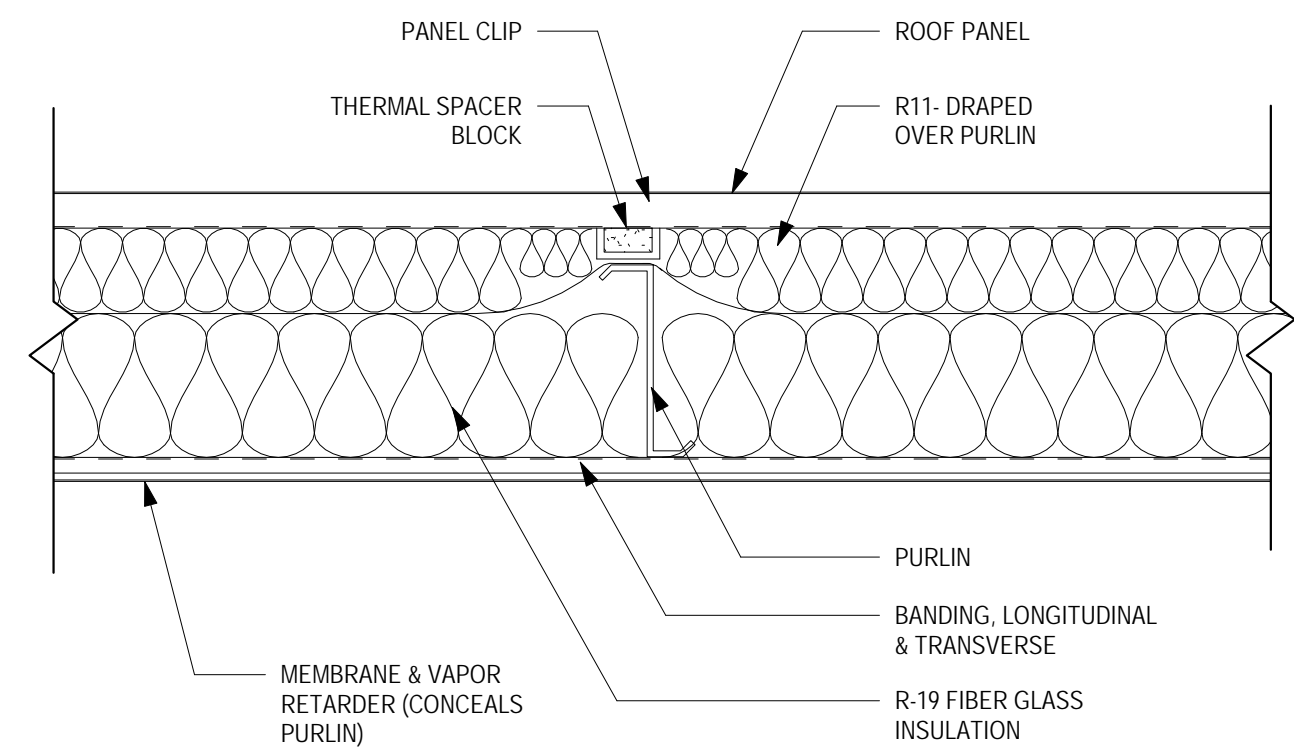
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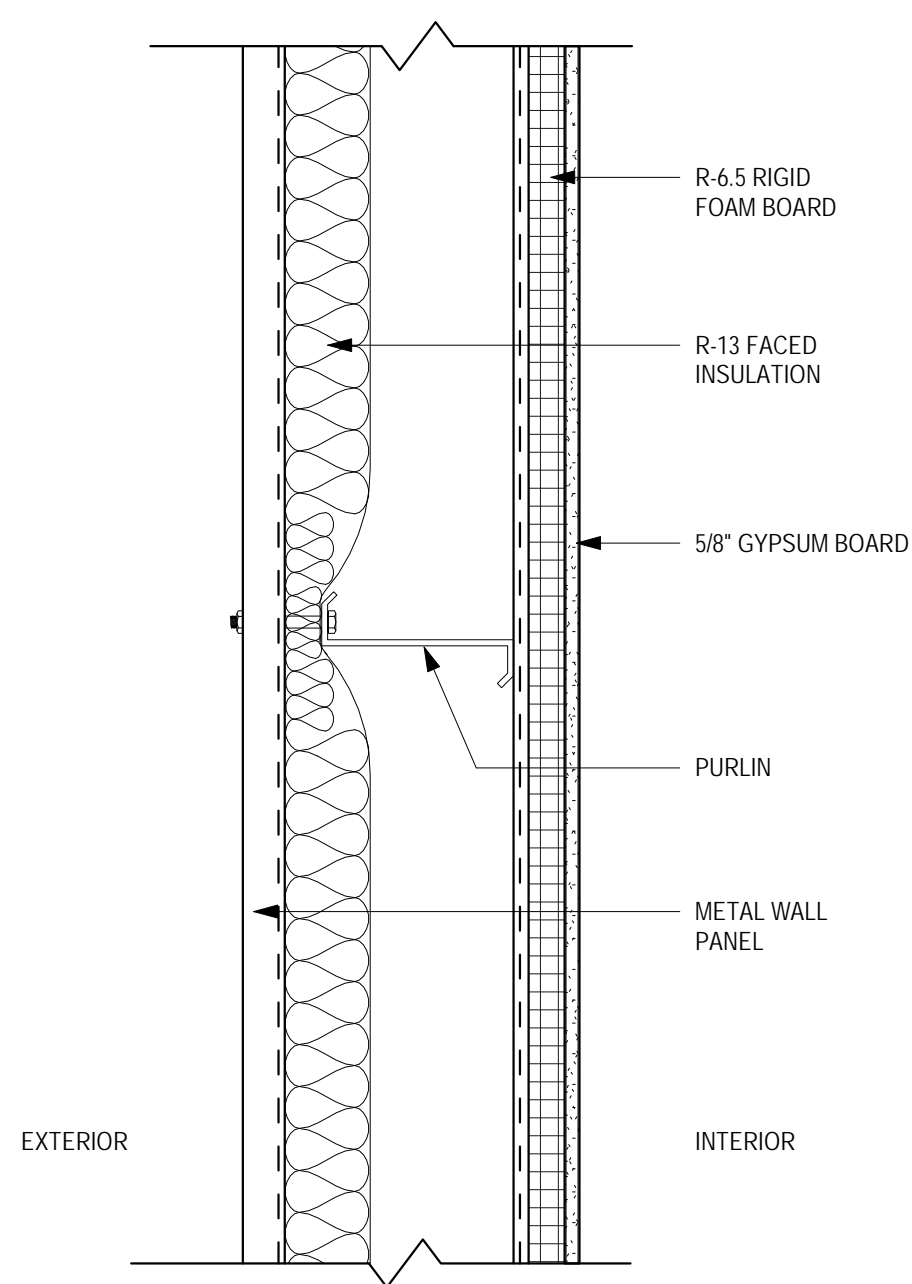
C3 WALL BASE DETAIL
SCALE: 1 1/2" = 1'-0"



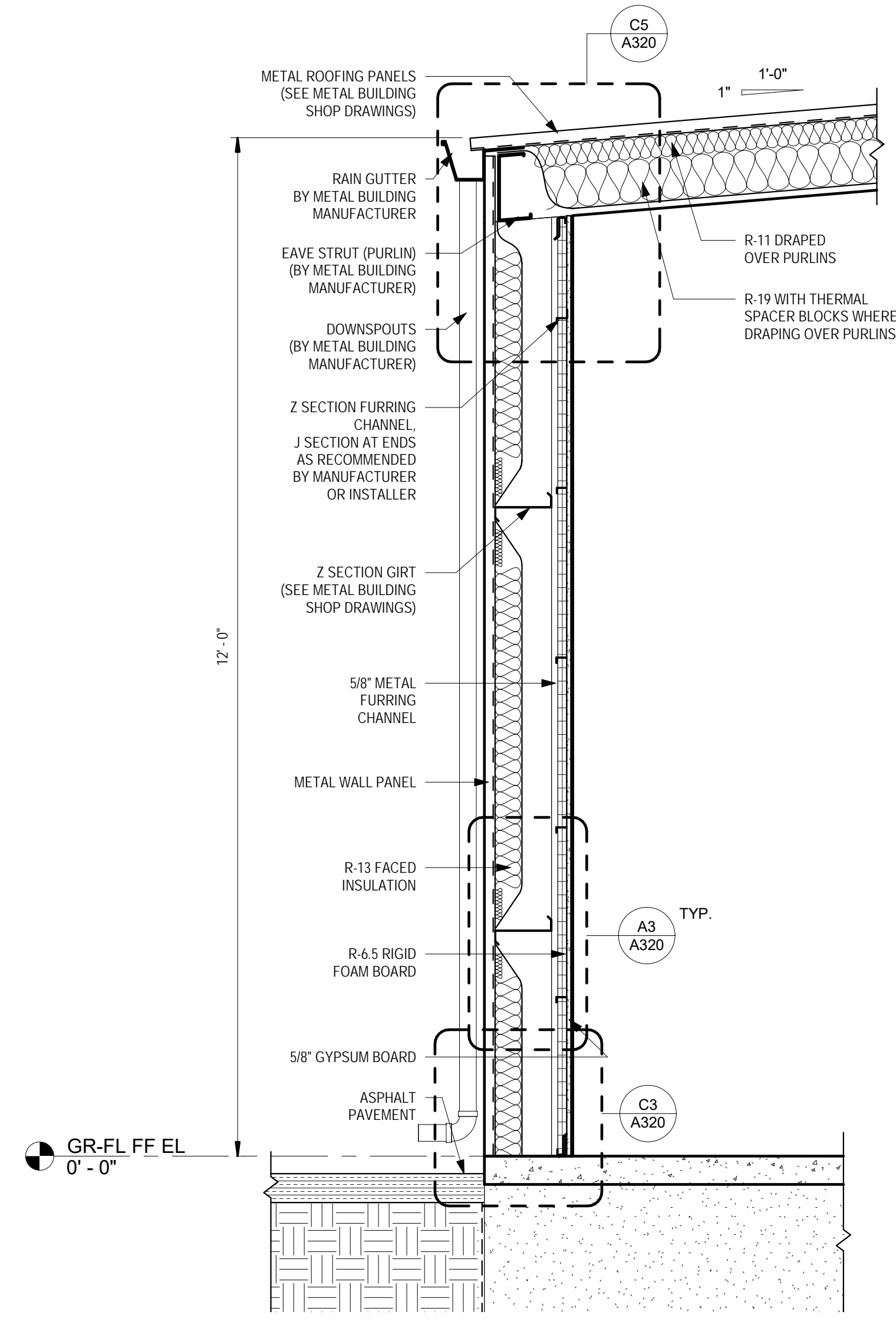
C5 ROOF INSULATION DETAIL
SCALE: 1 1/2" = 1'-0"



A1 ROOF INSULATION DETAIL
SCALE: 1 1/2" = 1'-0"



A3 WALL SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



A5 WALL SECTION
SCALE: 3/4" = 1'-0"

SHEET NOTES

GENERAL

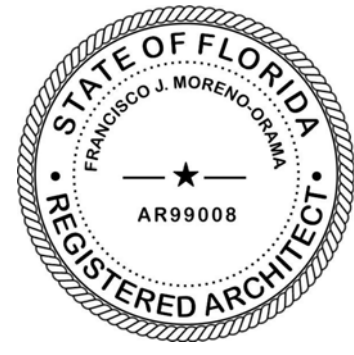
- 1. SHEET METAL FABRICATION PROFILES FOR METAL BUILDING SHEATHING, DECKING, TRIM, FLASHING, AND OTHER, ARE INTENDED TO ILLUSTRATE GENERAL BUILDING COMPONENTS AND NOT ACTUAL SHAPES OR SIZES. SEE METAL BUILDING SHOP DRAWINGS FOR ACTUAL PROFILES, SIZES AND THICKNESSES.
- 2. SEPARATION OF SHEET METAL AND MEMBRANE COMPONENTS SHOWN ON LARGE SCALE DRAWINGS IS SHOWN TO ILLUSTRATE METHOD OF INSTALLATION AND NOT ACTUAL SEPARATION OF COMPONENTS.

INSULATION

- 1. BUILDING THERMAL ENVELOPE SHALL COMPLY WITH FBC, ENERGY CONSERVATION, ENERGY EFFICIENCY REQUIREMENTS, MEETING ASSEMBLY U-FACTORS OR INSULATION R-VALUES.
BUILDING THERMAL ENVELOPE REFERS TO ROOFS, WALLS, AND FLOORS THAT ENCLOSE CONDITIONED SPACE, INCLUDING BOUNDARIES BETWEEN CONDITIONED SPACE AND ANY EXEMPT OR UNCONDITIONED SPACED.
- 2. R-VALUE OF INSULATION AND ASSEMBLY U-FACTORS SHALL BE DETERMINED IN ACCORDANCE WITH ANSI/AIAA/IESNA 90.1 U-FACTORS FOR BUILDING ASSEMBLIES SHALL BE AS FOLLOWS:
A. METAL BUILDING ROOF U-0.035
B. METAL BUILDING WALLS U-0.079
C. MASS WALLS U-0.151
- 4. BASE ASSEMBLY OF METAL BUILDING ROOF INSULATION SHALL BE A ROOF WITH THERMAL SPACER BLOCKS WHERE THE INSULATION IS DRAPED OVER THE STEEL STRUCTURE PURLINS, AND COMPRESSED WHEN THE METAL ROOF PANELS ARE ATTACHED TO THE PURLINS.
DOUBLE LAYER ROOF INSULATION SHALL BE PROVIDED BY INSTALLING A LAYER OF R-11 INSULATION PERPENDICULAR TO AND DRAPED OVER PURLINS, AND A SECOND LAYER OF R-19 UNFACED INSULATION INSTALLED ABOVE THE FIRST LAYER AND PARALLEL TO THE PURLINS AND THEN COMPRESSED WHEN METAL ROOF PANELS ARE ATTACHED. A MINIMUM R-3 THERMAL SPACER BLOCK BETWEEN THE PURLINS AND THE METAL ROOF PANELS IS REQUIRED. UNLESS COMPLIANCE IS SHOWN BY THE OVERALL ASSEMBLY U-FACTOR.
- 6. PROVIDE A CONTINUOUS INSULATION FOR METAL BUILDING WALLS WITH A MINIMUM VALUE OF R-13.
CONTINUOUS INSULATION SHALL BE CONTINUOUS ACROSS ALL STRUCTURAL MEMBERS WITHOUT THERMAL BRIDGES OTHER THAN FASTENER AND SERVICE OPENINGS. IT BE INSTALLED ON THE INTERIOR. OR IS INTEGRAL TO ANY OPAQUE SURFACE OF THE BUILDING ENVELOPE.
- 7. CMU WALLS SHALL COMPLY WITH ASTM C90.
R-5.7 CONTINUOUS INSULATION MAY BE SUBSTITUTED IN PARTIALLY GROUTED CMU WALLS WITH FILL MATERIALS HAVING A MAXIMUM THERMAL CONDUCTIVITY OF .44 BTU-IN/HR²F.
- 9. PARTIALLY GROUTED CMU WALLS SHALL BE MEDIUM WEIGHT WITH A DENSITY OF 115 LBF/FT³ HAVING REINFORCING STEEL EVERY 32" VERTICALLY, WITH CORES GROUTED IN THOSE AREAS ONLY. OTHER CORES ARE FILLED WITH INSULATING MATERIAL WHERE THERE IS NO OTHER INSULATION.
- 10. INSULATING MATERIAL FOR CORES UNGROUTED CORES SHALL BE FOAM-IN-PLACE POLYURETHANE. OTHER CELL INSULATION MATERIALS MAY BE SUBSTITUTED, PROVIDED THAT THEY AFFORD A HIGHER R-VALUE THAN POLYURETHANE.
CONTINUOUS INSULATION SHALL BE INSTALLED ON THE INTERIOR OF CMU EXTERIOR WALLS ENCLOSING THE OFFICE AREA TO PROVIDE A MINIMUM VALUE OF R-5.7.
- 12. CONTINUOUS INSULATION OVER CMU WALLS SHALL BE 3/4" RIGID PANELS. INSTALLED IN ACCORDANCE WITH NCMA THERMAL CATALOG ASSEMBLY 1.4.
- 13. BASE ASSEMBLY OF METAL BUILDING WALLS SHALL BE WALLS WHERE THE INSULATION IS COMPRESSED BETWEEN METAL WALL PANELS AND THE METAL STRUCTURE. INSULATION EXPOSED TO A CONDITIONED SPACE OR SEMIHEATED SPACE SHALL HAVE A FACING, AND ALL INSULATION SHALL BE CONTINUOUSLY SEALED TO PROVIDE A CONTINUOUS AIR BARRIER.
- 14. METAL BUILDING WALLS SHALL HAVE A FIRST LAYER OF R-13 INSULATION COMPRESSED BETWEEN METAL WALL PANELS AND THE STEEL STRUCTURE, AND A SECOND LAYER OF CONTINUOUS INSULATION INSTALLED INSIDE OR OUTSIDE THE GIRTS, UNCOMPRESSED AND UNINTERRUPTED BY THE FRAMING MEMBERS.

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12/12/2018 10:47:28 AM

DATE FRANCISCO J. MORENO-ORAMA
LICENSED ARCHITECT
#AR99008

I HEREBY CERTIFY THAT THESE PLANS HAVE BEEN PREPARED, TO THE BEST OF MY KNOWLEDGE, IN ACCORDANCE WITH THE OF THE 2011 FLORIDA BUILDING CODE, 6TH EDITION, AND THE 2014 NATIONAL ELECTRIC CODE.

PERMIT DRAWINGS FOR:

PALMETTO UMC ANNEX BUILDING

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PALMETTO, FL 34221

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OWNER'S REPRESENTATIVE:
FRANK COSEGIA, CHAIRMAN LEADERSHIP COUNCIL

REVISIONS

NO	DATE	DESCRIPTION

PROJECT NO: Project Number

FILE:

DRAWN BY: Author CHK'D BY: Checker

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SHEET TITLE:

WALL SECTION AND DETAIL

SHEET COUNT: OF

SHEET IDENTIFICATION:

A320