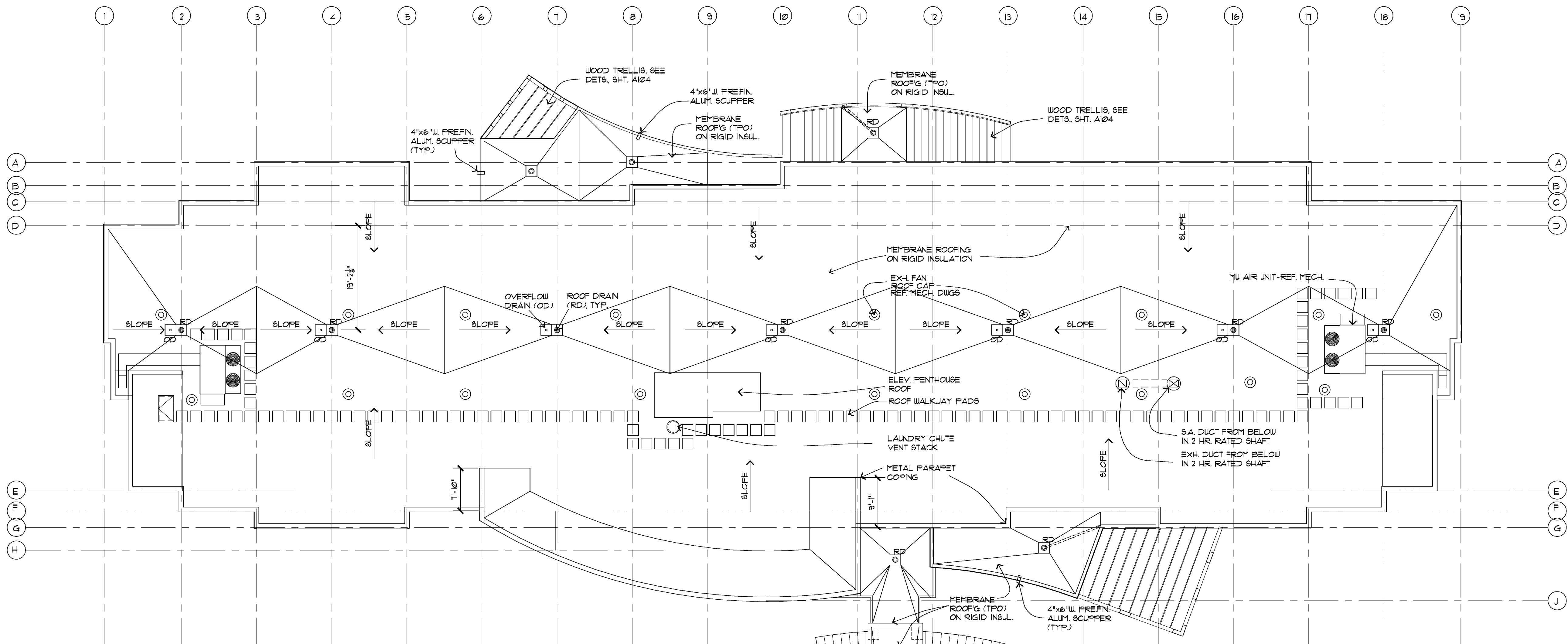


Richard Molenaar

ARCHITECT



MEMBRANE ROOFING SPECIFICATION

PART 1 GENERAL

I. DESCRIPTION OF WORK

- A. **Extent:** Provide flat roofing systems for ground floor level extended rooms, main building roof, penthouse roof, and canopy roof as indicated.
- B. **System:** Fully adhered single ply TPO (Thermoplastic Polyolefin). Roof insulation and cover boards below roofing is part of this specification.

II. QUALITY ASSURANCE

- A. **Products/Manufacturers:**
- Ultraply TPO Roofing System / Firestone Building Products Co.
 - Sure-seal TPO / Carlisle Tire and Rubber Co.
 - Versigard Protected Membrane System / The Goodyear Tire and Rubber Co.
- B. **Installer:** 3 yrs. minimum successful experience in installation of roofing systems similar to those required for this project and which is licensed by the roofing manufacturer.
- As applicable, assign work closely associated with roofing, including, but not limited to, insulation, flashing and counterflashing, and joint sealers to installer of roofing.
- C. **Pre-Roofing Conference:** Prior to installation of roofing and associated work, meet at project site with Installer, roofing manufacturer, installers of related work and Owner. Record discussions and agreements and furnish copy to each participant.

III. SPECIAL PROJECT WARRANTY

Provide written warranty, signed by Contractor, Installer and roofing Manufacturer, agreeing to replace/repair defective materials and workmanship, including significant leakage of water, abnormal aging or deterioration of materials, and other failures of sheet roofing to perform as required within warranty period. Repairs and replacements required because of acts of God and other events beyond Contractor's/Installer's/Manufacturer's control (and which exceed performance requirements) shall be completed by Contractor/Installer and paid for by Owner at prevailing rates.

Warranty period is 20 years after date of substantial completion.

PART 2 PRODUCTS

I. COMPATIBILITY:

Provide products recommended by Manufacturer to be fully compatible with indicated substrates, or provide separation materials as required to eliminate contact between incompatible materials.

II. MATERIALS

- A. Furnish 60-mil thick white colareinforced TPO (Thermoplastic Polyolefin) membrane as needed to complete the roofing system. Membrane thickness over the reinforcing scrim (top-ply thickness) shall be nominal 15 mil thick or greater. Membrane sheets in rolls 12' by 100' long.
- Horizontal and sloped areas on parapet walls color to match main body EIFS color.
- B. Insulation: Tapered board recommended by roofing manufacturer. Provide appropriate thickness of material to obtain average thermal resistance of R-20.
- If polyisocyanurate insulation is used, a cover board shall be adhered or mechanically attached over the insulation, and the membrane adhered to the cover board.
- C. Walkway pads as recommended by the roofing manufacturer.

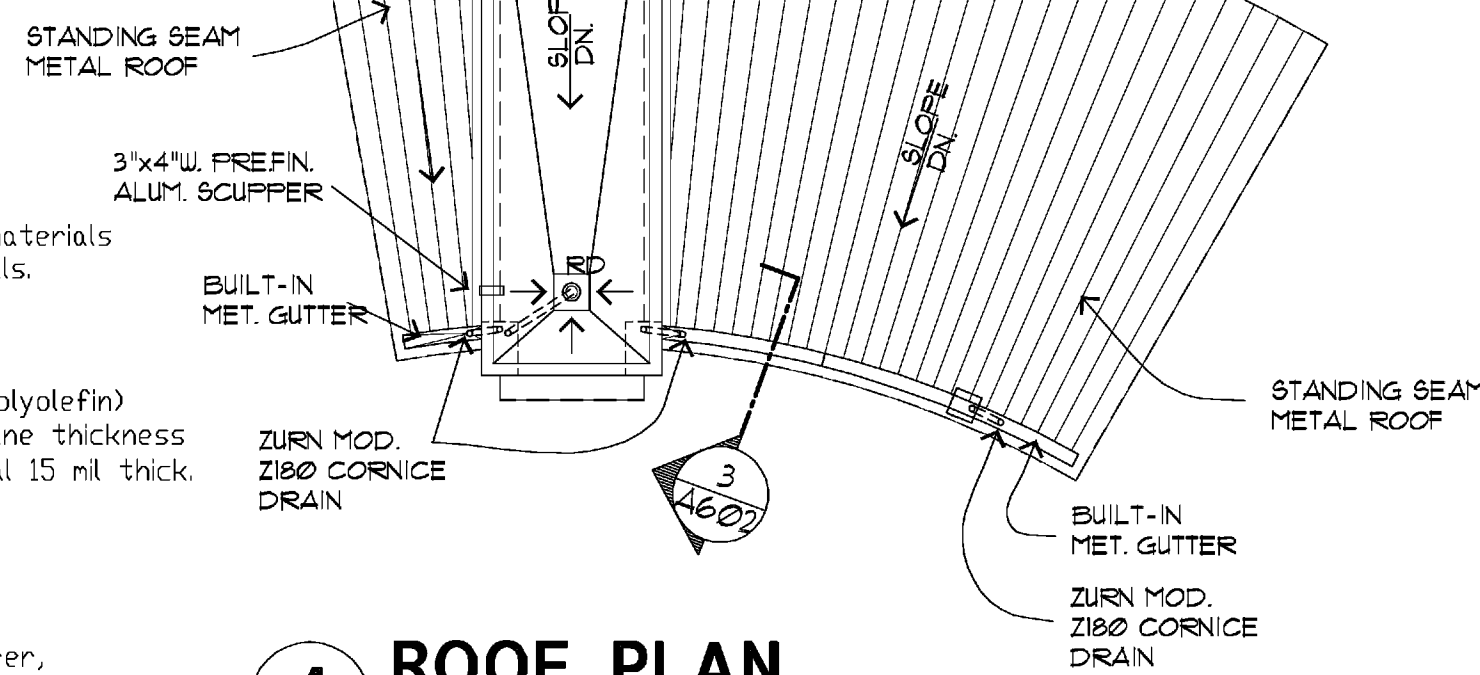
PART 3 EXECUTION

I. INSPECTION

Installer of roofing system must examine substrate and conditions under which roofing work is to be performed and must notify Contractor in writing of unsatisfactory conditions. Do not proceed with roofing work until unsatisfactory conditions have been corrected in manner acceptable to Installer.

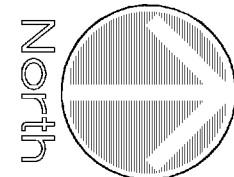
II. INSTALLATION

- A. Comply with roofing manufacturer's instructions.
- B. Roofing systems shall be installed in such a manner to ensure drainage of the roof area within 48 hours following rainfall during conditions conducive to drying.



1 ROOF PLAN

3/32" = 1'-0"

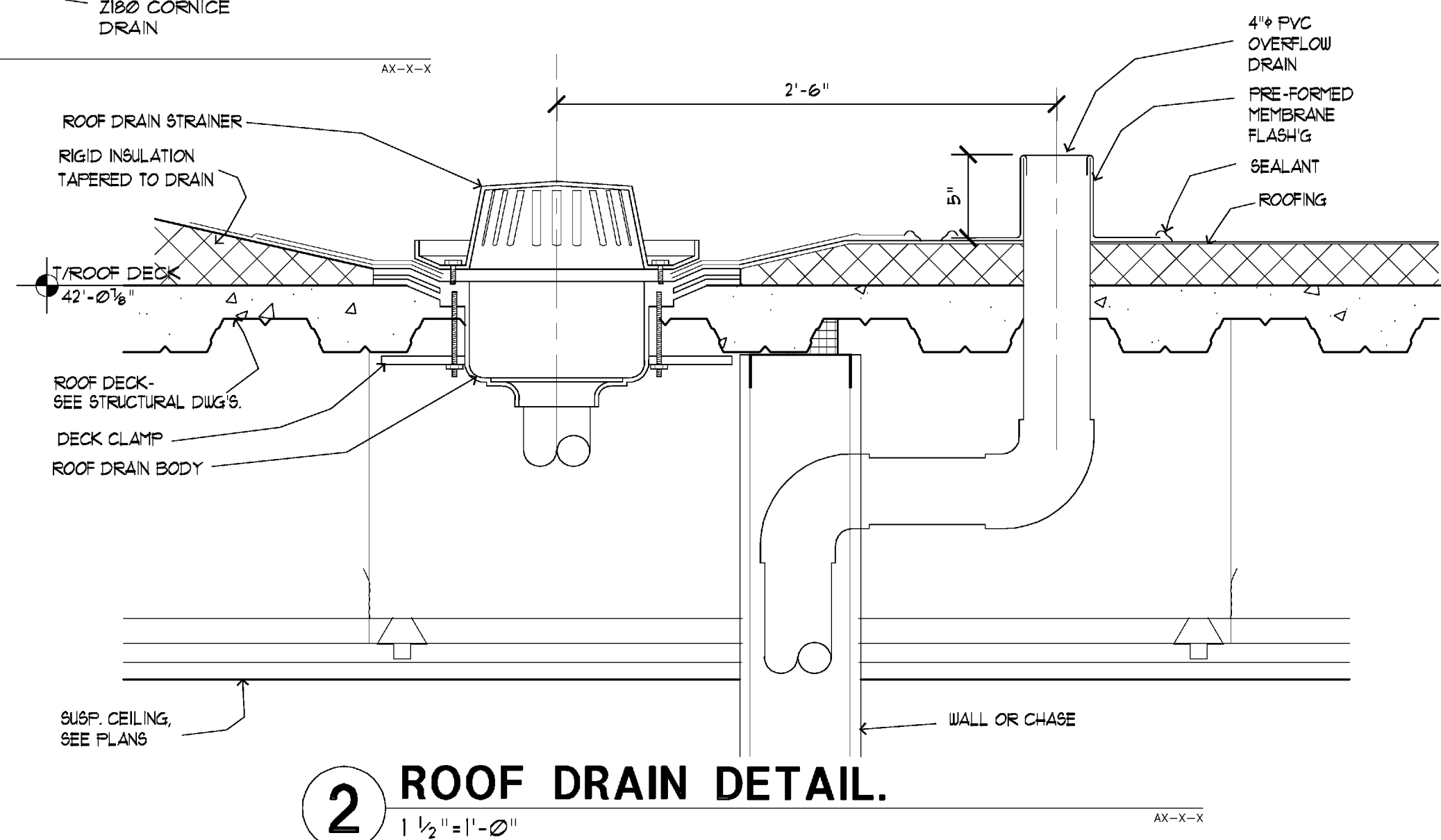


NOTE:

1. Provide roof overflow scuppers located where indicated on Roof Plan. Overflow scuppers shall be placed in parapets with the inlet flow line not less than 2 inches, nor more than 4 inches, above the roof surface. Construct each scupper using 24 ga. aluminum, or equal, with opening 6 inches wide by 4 inches high similar to detail indicated as OVERFLOW SCUPPER DESIGN AND INSTALLATION published in the SMACNA Architectural Sheet Metal Manual.

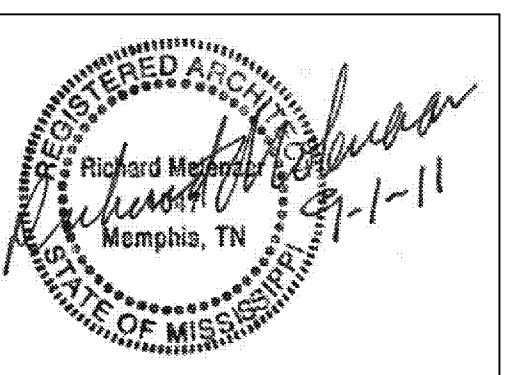
STANDING SEAM METAL ROOF

METAL ROOFING SYSTEM EQUAL TO "SELECT SEAM" SYSTEM AS MFG. BY BHP STEEL BUILDING PRODUCTS. SYSTEM SHALL HAVE WIDE BATTEN FEATURE WITH COVERAGE OF 11 1/2". COATING SHALL BE PVF WITH KYNAR 500/HTLAR 5000 OVER 24 GAUGE STEEL. COLOUR SHALL BE SELECTED BY OWNER. SUBMIT SAMPLE FOR OWNER'S APPROVAL.



2 ROOF DRAIN DETAIL.

1 1/2" = 1'-0"



PROJECT NAME:



Riverwind Drive Pearl, Mississippi

SHEET TITLE:

Roof Plan

PROJECT NO.
09018

LATEST REVISION:
△

DRAWN BY:

CHECKED BY:

RM

SHEET NUMBER:

DATE:
09/01/11

A204