

ROOF SHOP DRAWINGS COMMERCIAL SCHOOL



Project Details:

The client (roofing contractor) asked us to produce roofing shop drawings for a 100,000sf school using the existing architectural CAD drawings. The client (roofing contractor) asked us specifically to create:

- A roof plan that shows how we will fasten the perimeter boards
- Board fastening pattern
- Direction of the membrane
- Metal details
- Termination details
- Curb details

We responded with a series of questions:

- First sheet will be roof plan with section details (they are currently all tagged 1/D1 but that will change when i do them) with insulation and board fastening patterns and general notes similar to standard roof shop drawings.
- As i understood we need insulation fastening pattern and as I can see insulation is 4'x8' and I used same pattern as standard TPO. Please confirm this is acceptable.
- Also we need board fastening pattern and I assume these are boards that go over insulation, again here i have the standard pattern flat roof pattern and from shop dwgs that are rejected. Please confirm this is acceptable.
- Second page will be tapered insulation plan, I used similar concept as standard flat and TPO roofing?

Please confirm this is acceptable.

Results:

We completed the project for the client **within 7 days of working weekends and weekdays – a roof plan, board fastening patterns, metal details, termination details, curb details, and updated specs.** The client was under a tight deadline of getting this information to the contractor, and we were able to get it done correctly. It took us **27 hours total, costing the client \$945.**