



**NORTHEAST
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SCHEMATIC DESIGN PHASE NARRATIVE

Also refer to Room Data Sheets and narratives by Pathways, DeWolfe Engineers and Engineering Services of VT.

EXTERIOR WALLS:

Apparatus Bay Section

- Typical foundation wall at Apparatus Bays shall terminate 4' above finished floor.
- Structural Steel frame and metal deck
- Insulated metal panel system; meeting VT Energy Code requirements
- Interior wall finish: frp panel system to 8' AFF and gypsum board or back of metal panel above
- Aluminum thermal-break windows
- Insulated hollow metal doors with appropriate hardware
- 16' wide x 14' high insulated and motorized overhead doors
- Miscellaneous aluminum brake metal trim, as required

Administration and Public Section:

- Structural steel frame and wood or metal truss system for sloped roofs, nailable deck surface
- Load-bearing Structural Insulated Panel (SIP) system; OSB surfaces and EPS core, meeting VT Energy Code requirements
- Sheet or fluid-applied air / vapor barrier
- Metal supported thin masonry panels (thin brick), thin-stone water table, and fiber cement exterior panel
- Interior wall finish: gypsum board
- Aluminum thermal-break windows; Insulated hollow metal doors with appropriate hardware
- Miscellaneous aluminum brake metal trim, as required

ROOF SYSTEMS:

Low Slope Roofs:

- Single-ply EPDM system over insulation, tapered where required, minimum R=30ci
- Separation board
- Sheet or fluid-applied air / vapor barrier

Pitched Roofs:

- 40-year fiberglass / asphalt shingles
- Sheet or fluid-applied air / vapor barrier
- Load-bearing Structural Insulated Panel (SIP) system; OSB surfaces and EPS core, meeting VT Energy Code requirements
- Aluminum gutter and leader drainage system
- Miscellaneous aluminum brake metal trim, as required

OPTIONS FOR THE ADMIN & PUBLIC SECTION:

1. Steel frame (columns, beams, joists, metal deck)
2. Load-bearing SIP system (interior columns)
3. Wood-frame construction (load-bearing walls throughout, joist and/or engineered wood framing floor/roof structure)

(See Structural Narrative for further detail and information)