

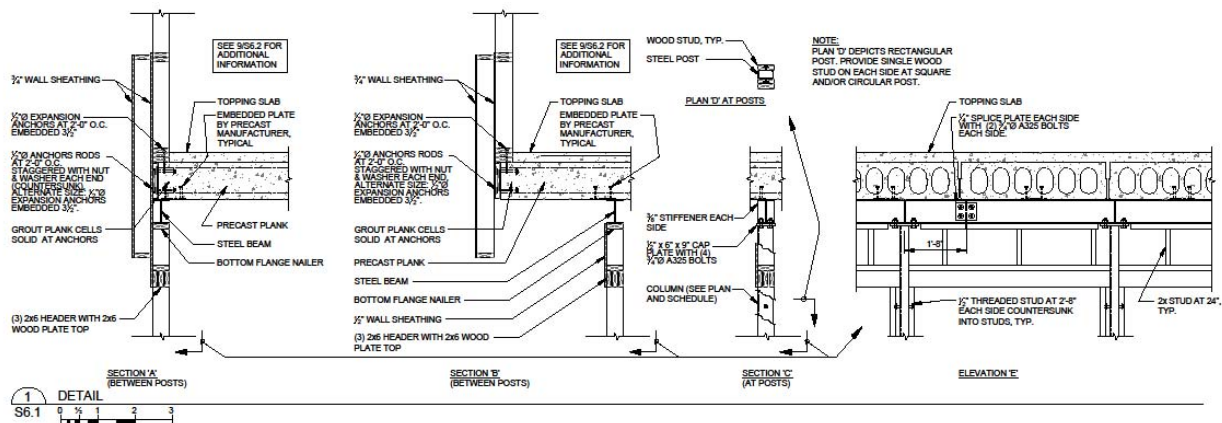
# FIDLAR TECHNOLOGIES DAVENPORT, IOWA



Fidlar Technologies constructed a new multi-level office building within the Iowa Research, Commerce and Technology Park on the north side of Davenport near Highway 61 and Interstate 80.

The hybrid roof construction incorporated wood sheathing, engineered wood joists, and steel beams. The hybrid floor construction incorporated precast concrete hollow core slabs, cast-in-place concrete slabs and steel beams. And, the hybrid wall/column system incorporated bundled studs and mini-tube posts within the exterior window system to avoid columns that were deemed architecturally undesirable.

The roofs and floors feature compound cantilever conditions, as well as sloping surfaces to enable installation of clerestories, balconies and oculus-like roof openings. Extensive detailing was required to illustrate numerous connection conditions to enable the central monolithic wall to extend beyond the roof framing and cantilever from the foundation walls.



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