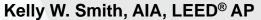
## **Evolution of a Design: Prototypes | Police Stations**





## J. Brandon Anderson, AIA, LEED® AP

















## pro·to·type (n.)

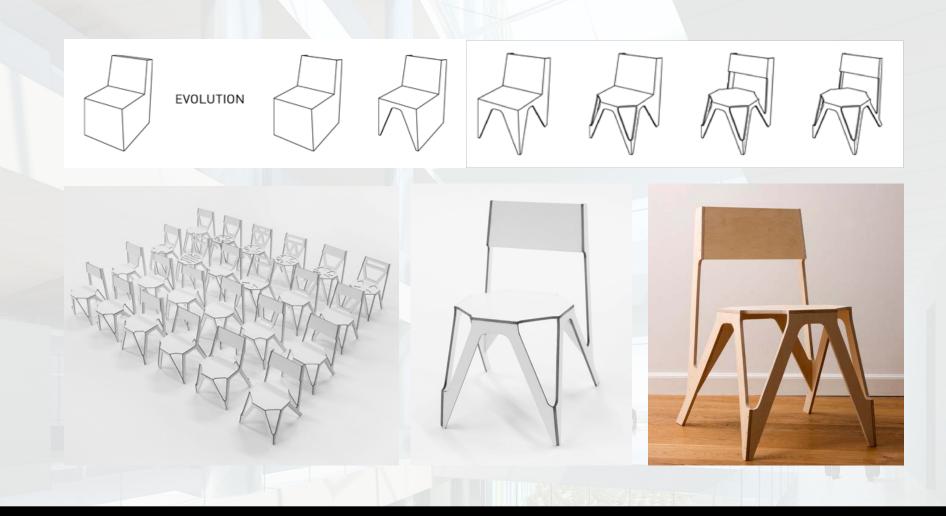
- 1. An original type, form, or instance serving as a basis or standard for later stages.
- 2. An original, full-scale, and usually working model of a new product or new version of an existing product.
- 3. An early, typical example.

## ev·o·lu·tion (n.)

1. A gradual process in which something changes into a different and usually more complex or better form.





















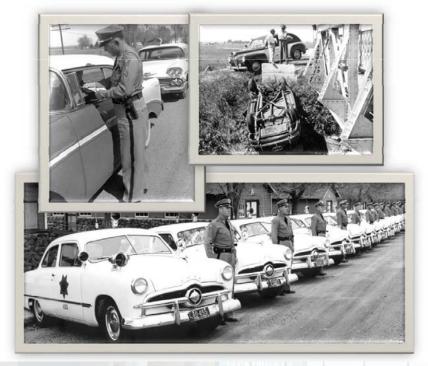
























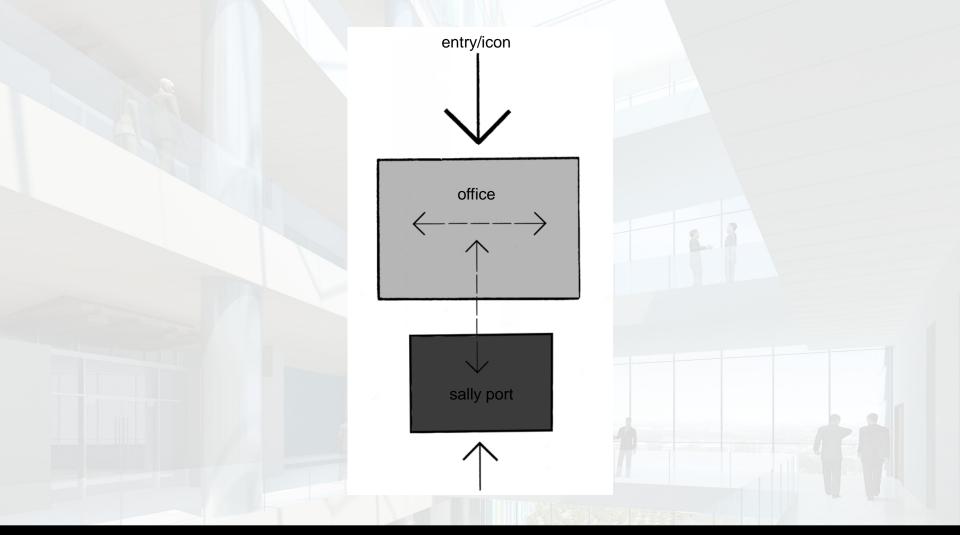






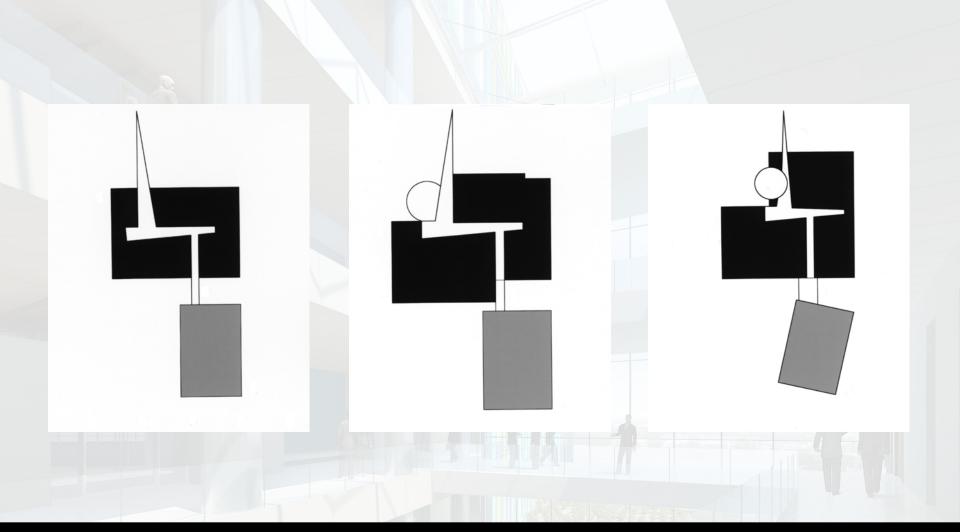


































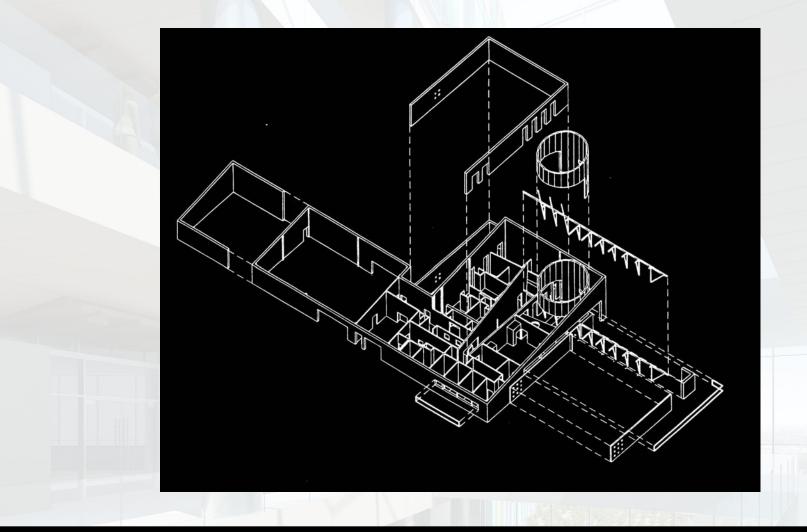






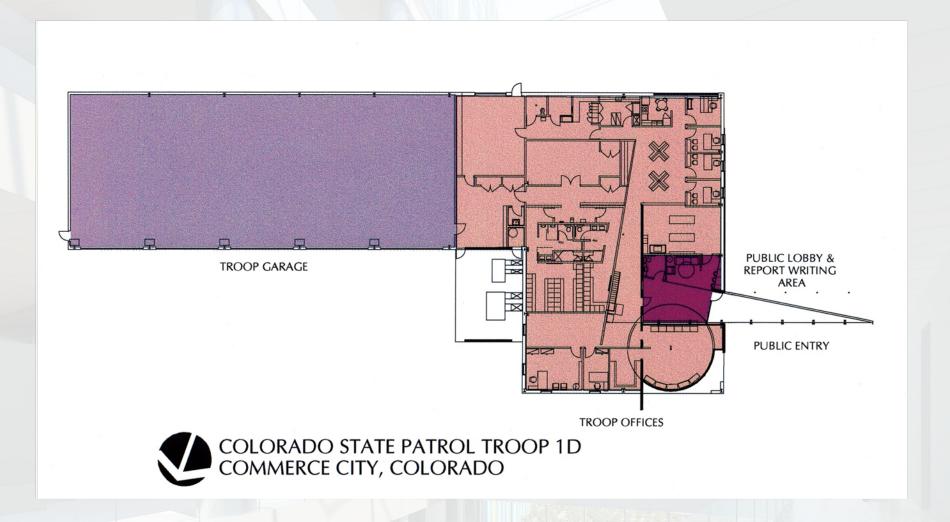












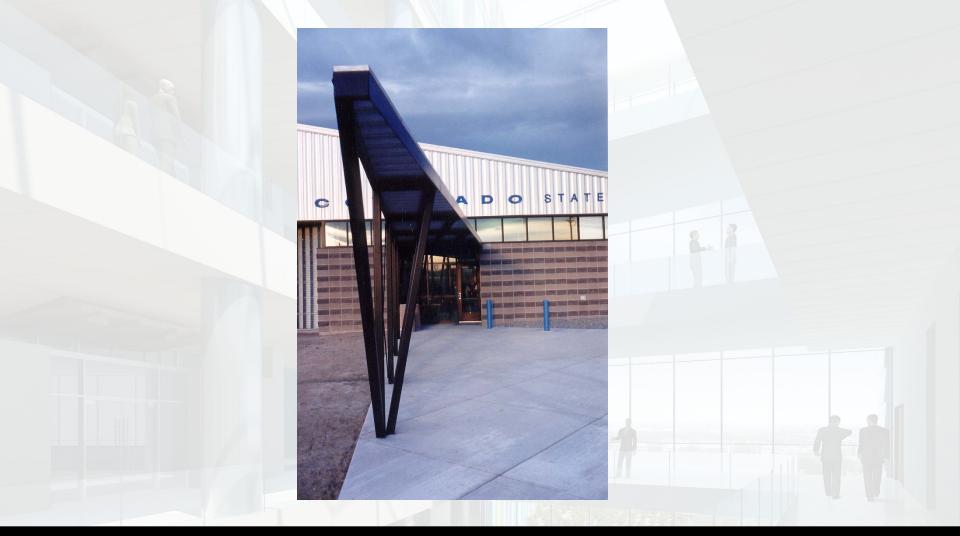


















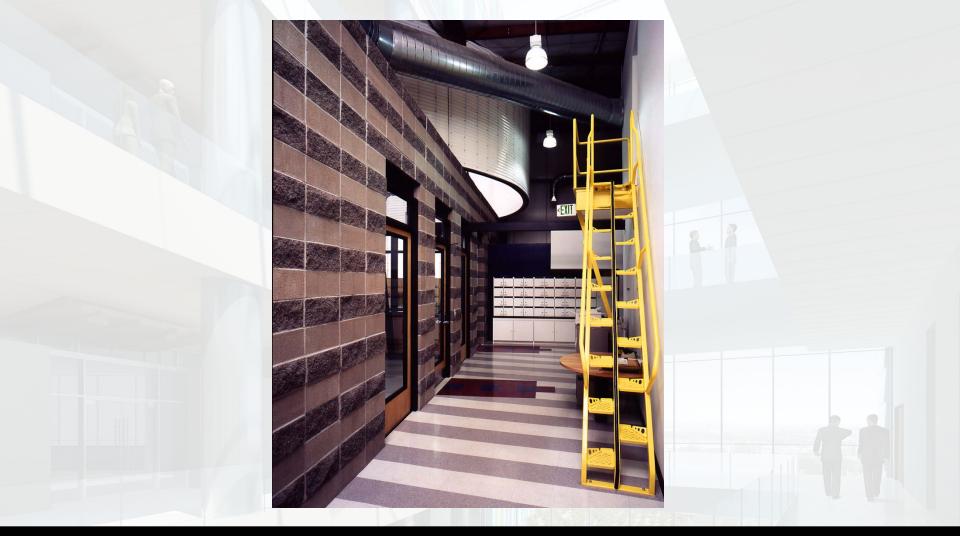












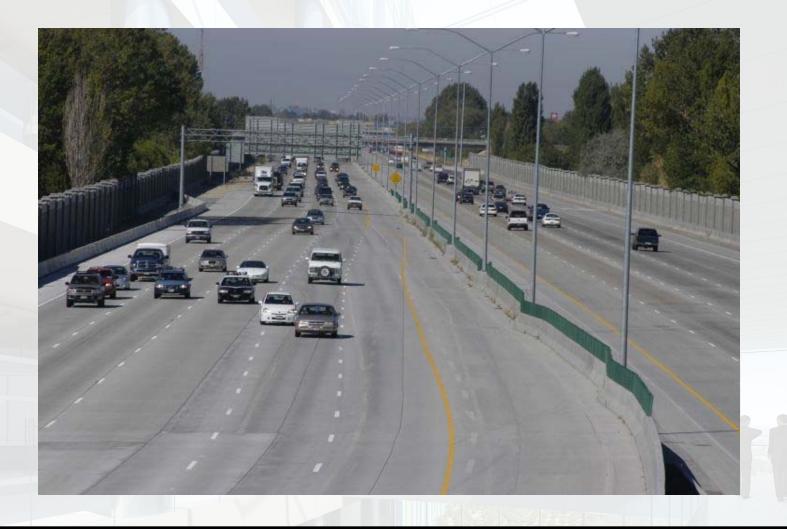












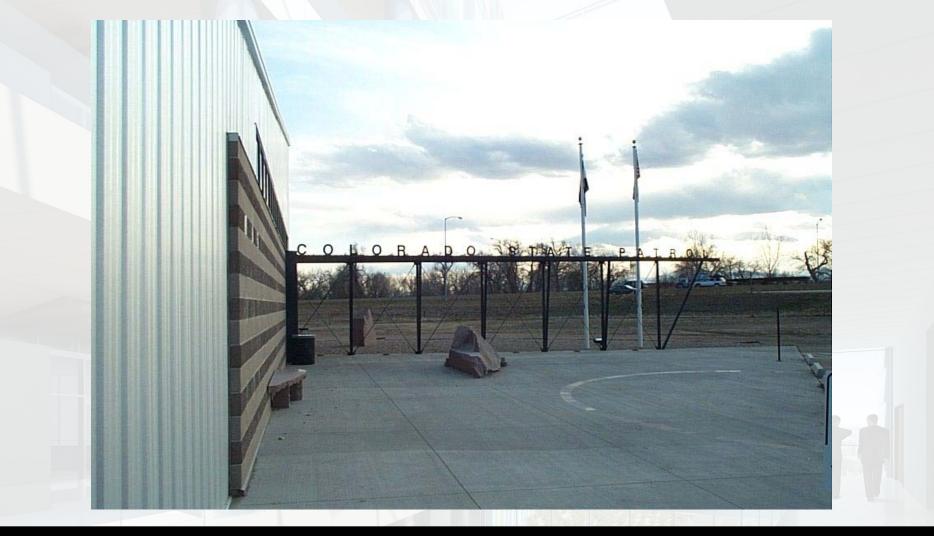






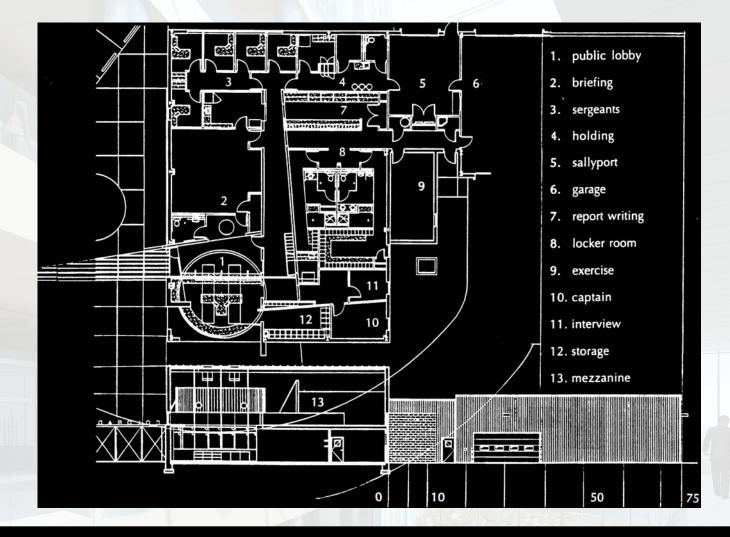






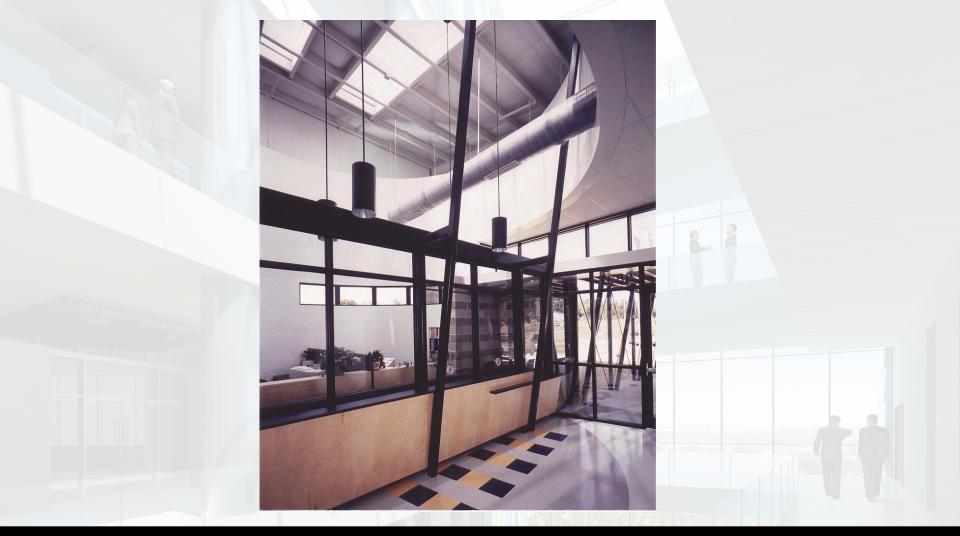












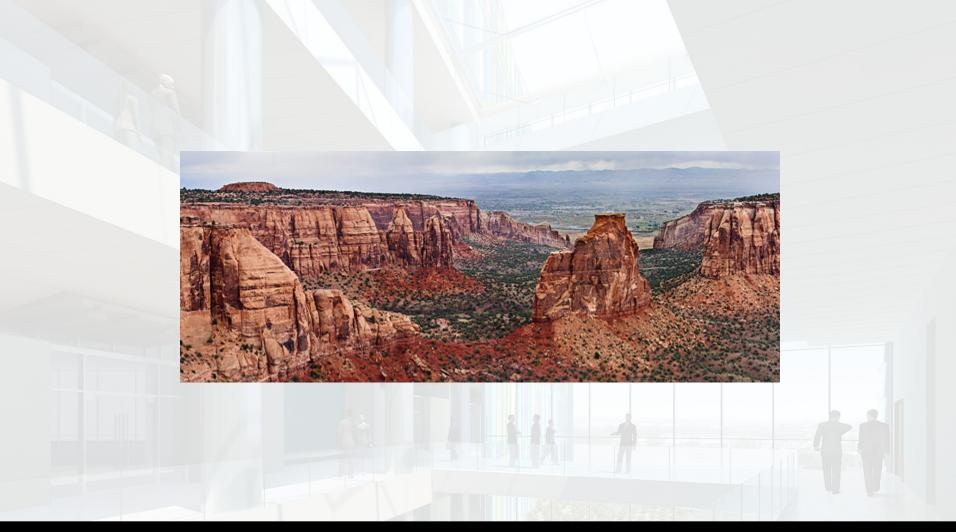


















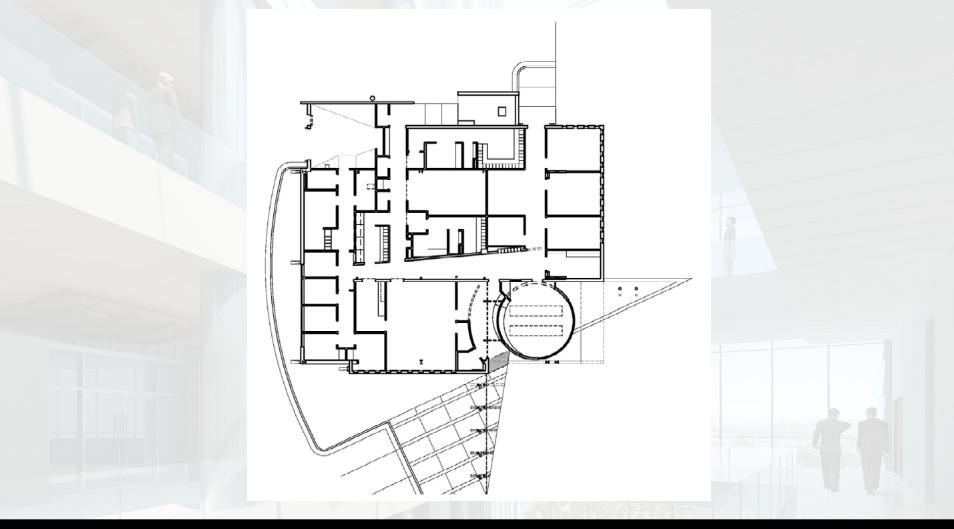






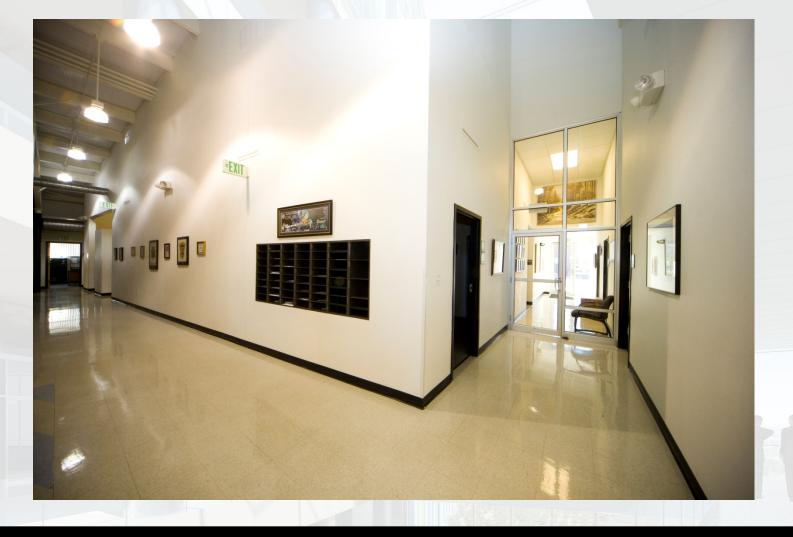
























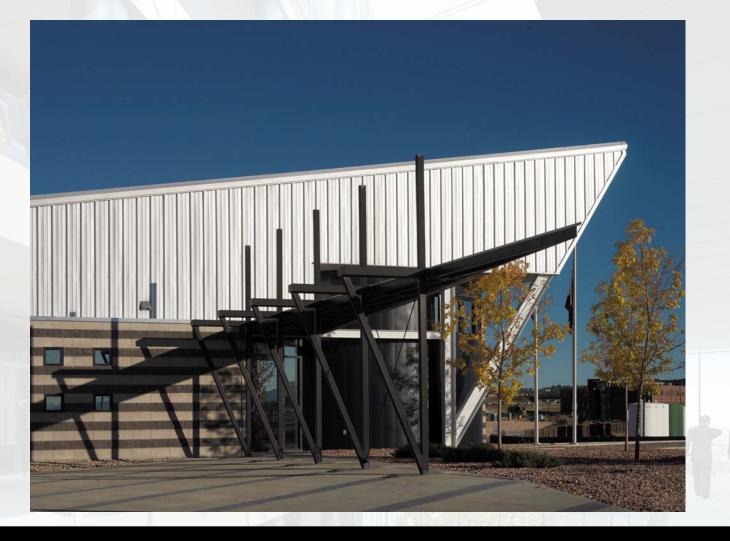






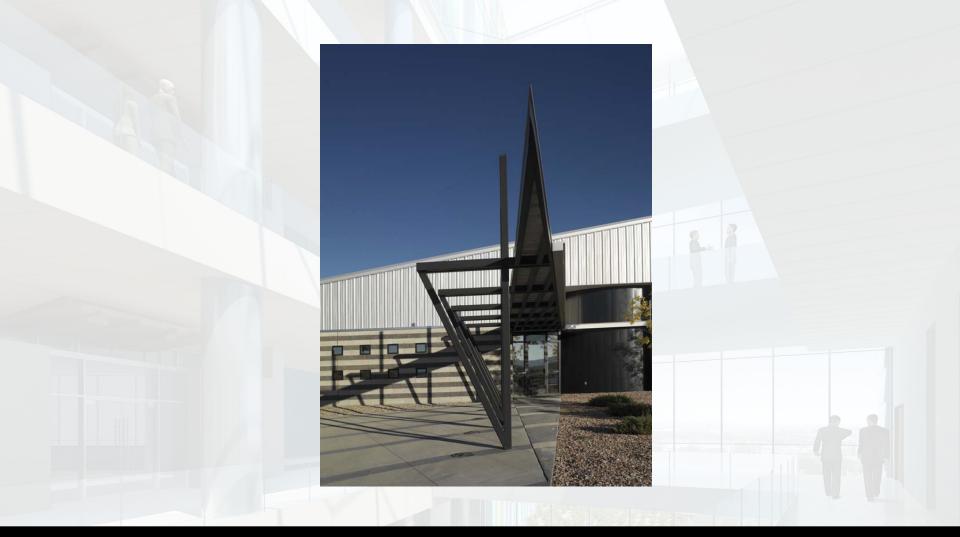




















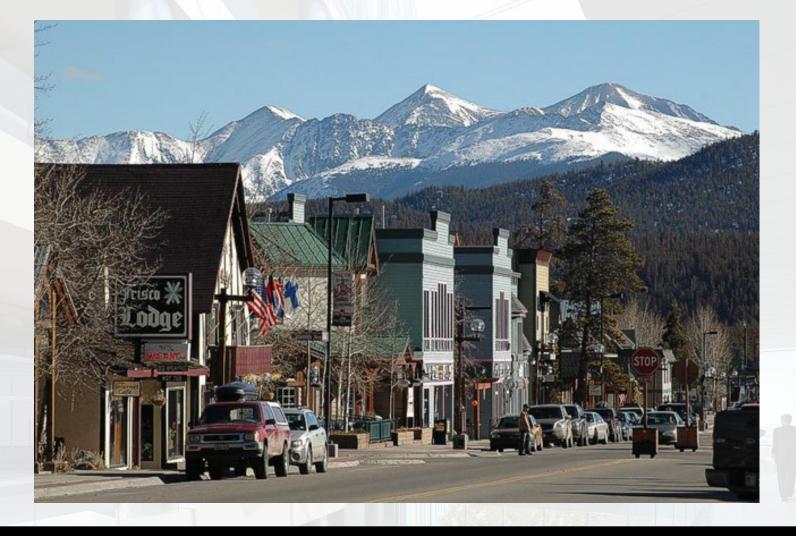
























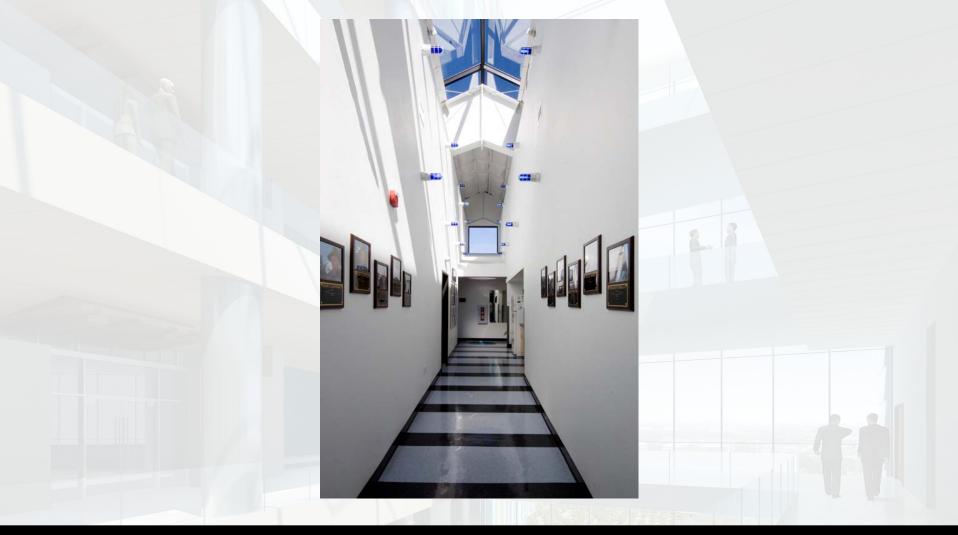












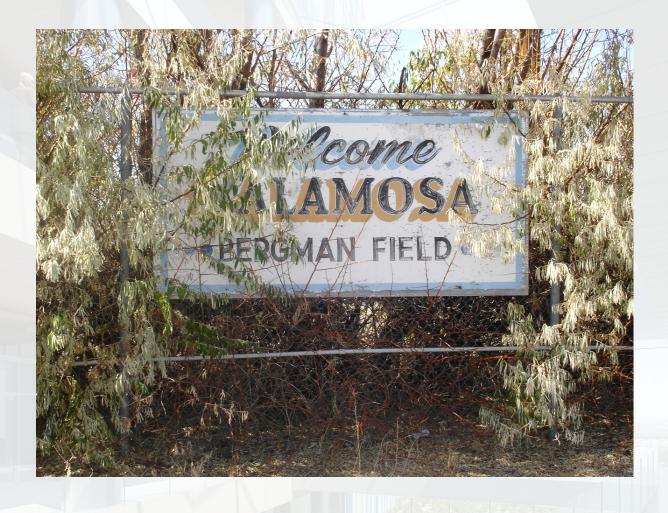












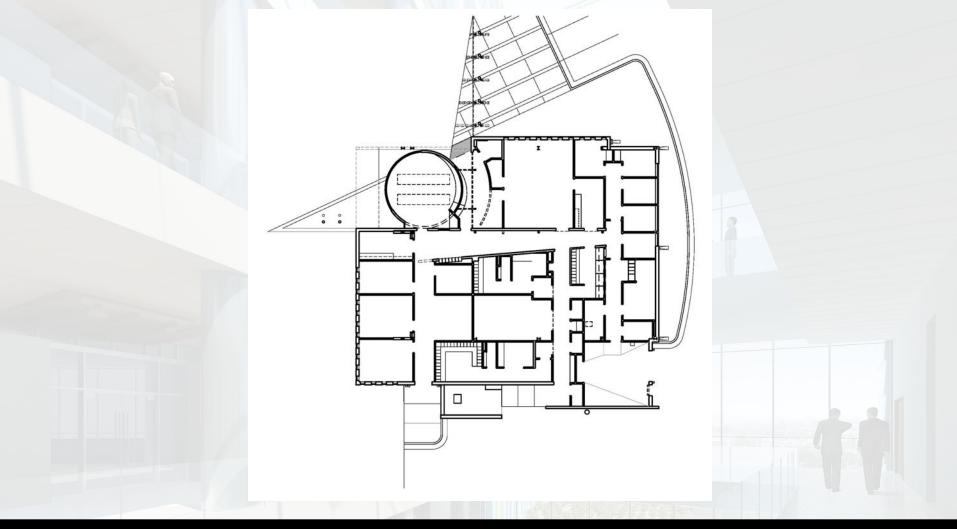






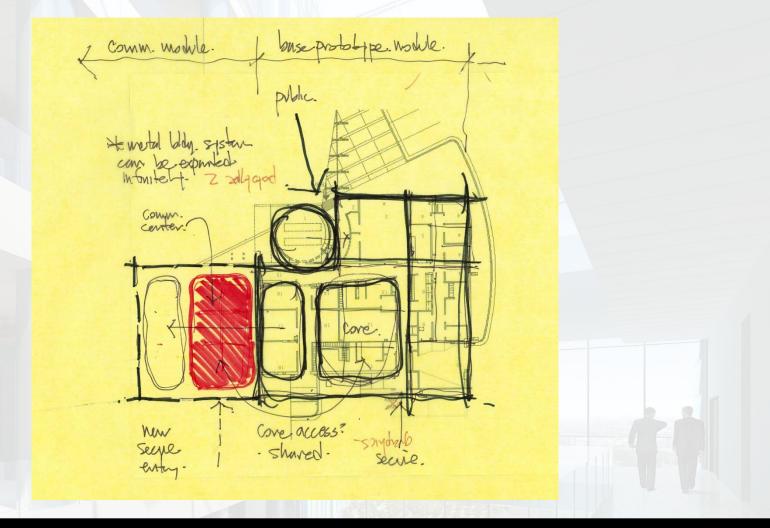












































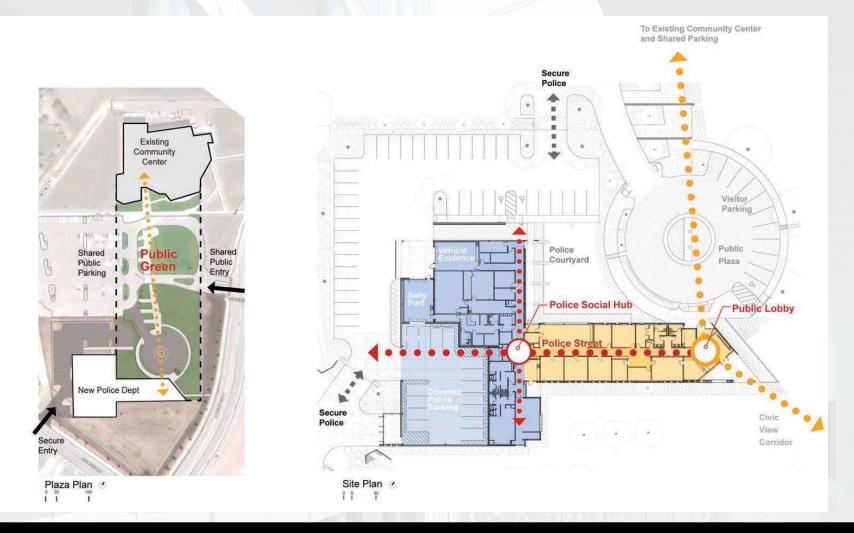




**Windsor Police Department** 

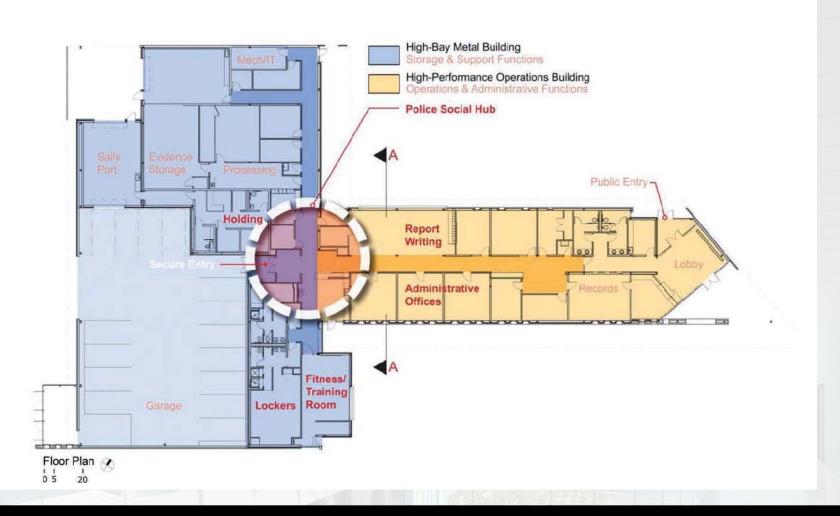
















## Program

- Spaces are organized about an interior Police Street and an intersecting secondary corridor.
- 'Police Street' activates the station's operational functions and encourages interaction among sworn personnel, staff, and administrators.
- · The secondary corridor services support spaces.
- The intersection of the two corridors is the police social hub, providing direct access to the covered parking, break room, locker rooms and report-writing room.

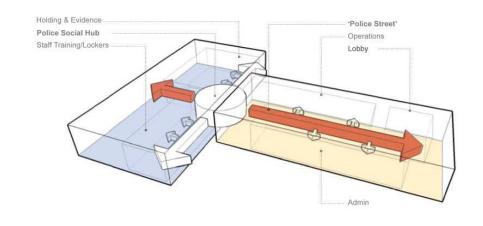
## Efficiency

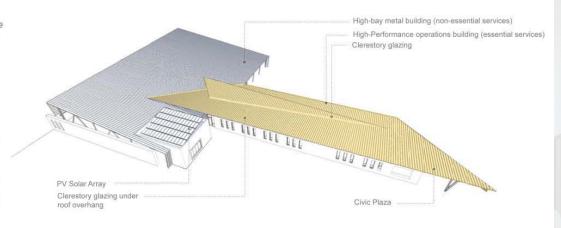
- 1. The station recognizes two major efficiency efforts The building orientation takes advantage of the solar efficiencies with the use of clerestory glazing and significant roof overhang for shading. Active P.V. solar panels provide additional power for the facility.
- The HVAC system uses geothermal energy from the site to supply under-floor VAV units that efficiently distribute conditioned air throughout the building. Operable windows provide an additional passive system to bring fresh air into the facility.

## Form

The station is separated into two connected forms:

- The storage, support and garage functions are contained within a high bay metal building which speaks to the agrarian and rural site vernaculars.
- Admin, operations and public spaces, etc are located in the higher-performance wing of the building, where clerstory windows, a sloping roof and a continuous dormer activate the occupied spaces and major circulation.



































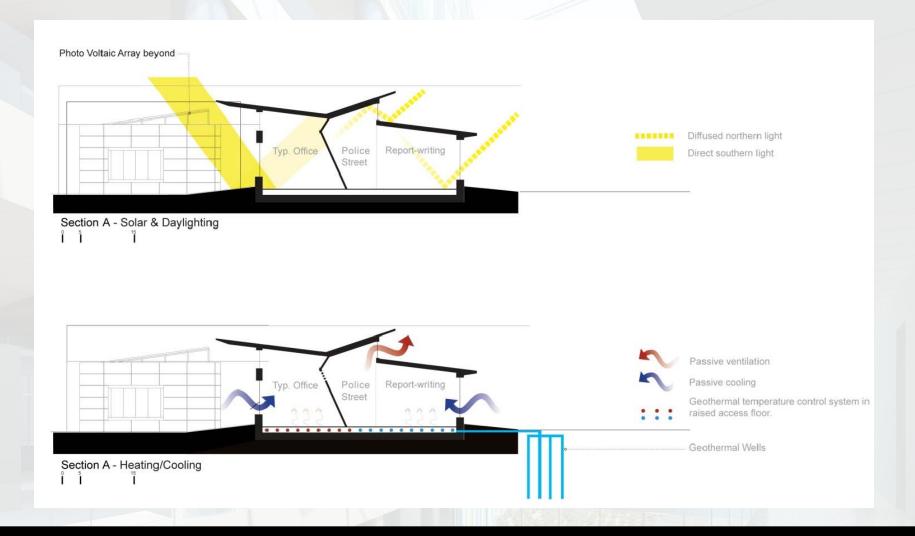






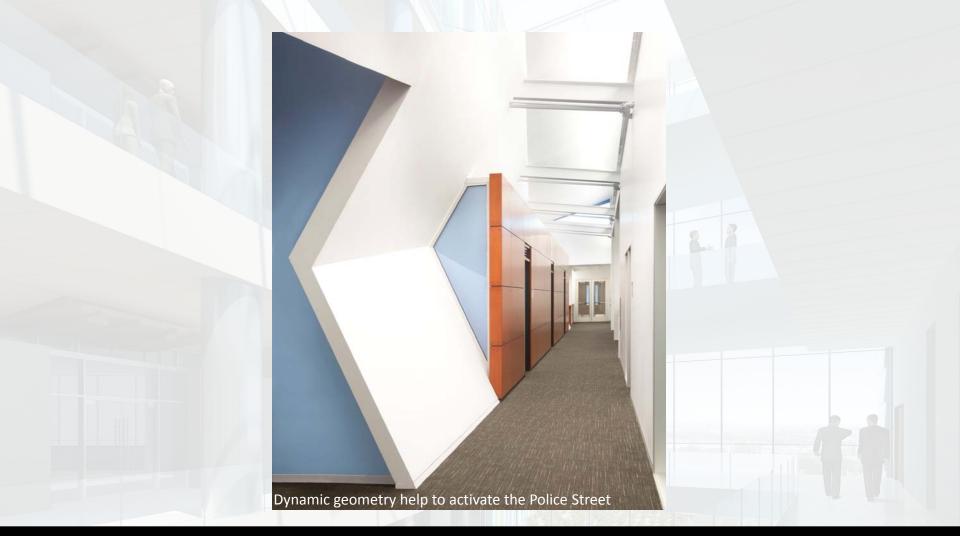






























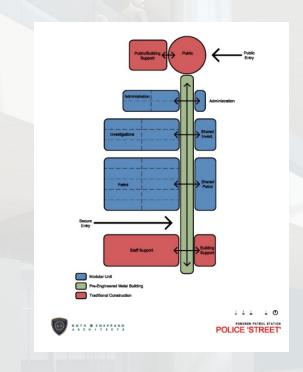


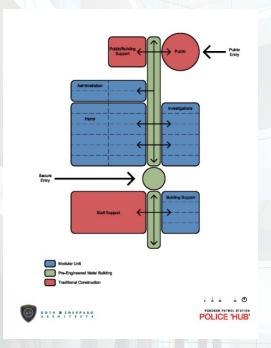


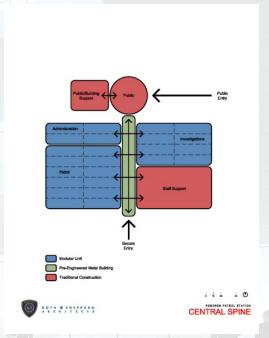






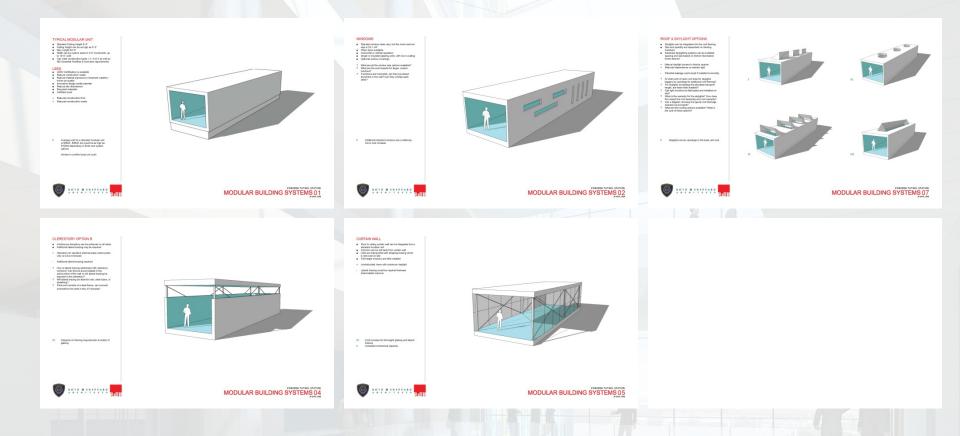






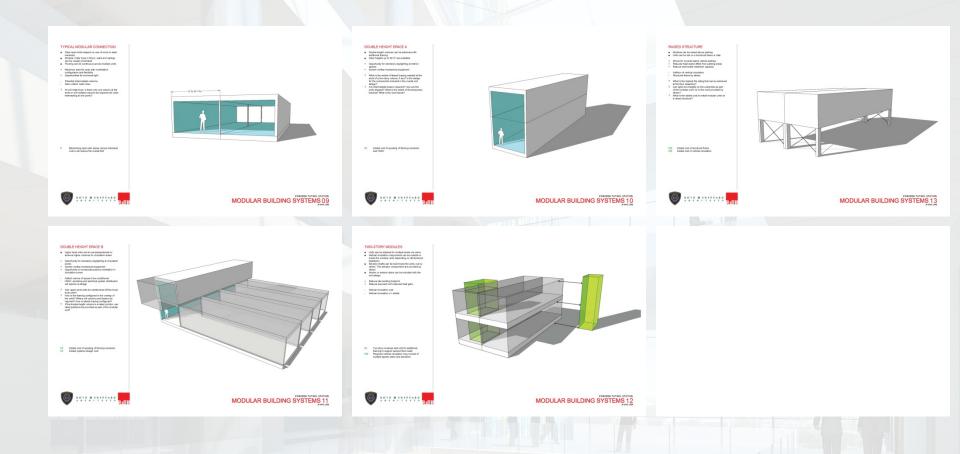






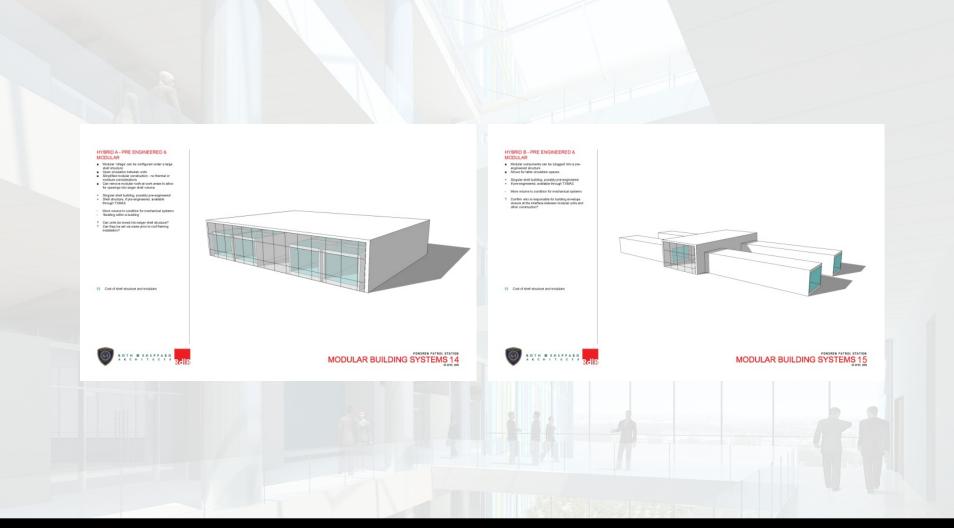






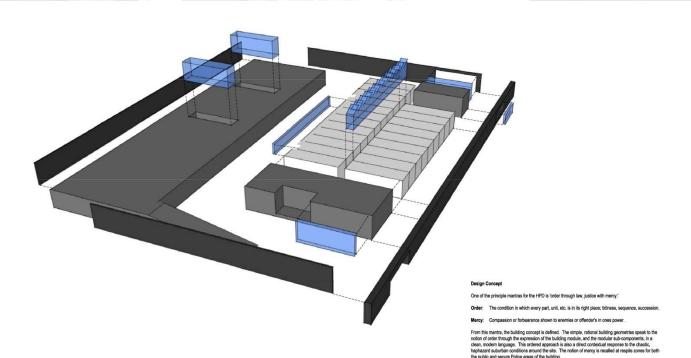












'ORDER THROUGH LAW, JUSTICE WITH MERCY'

The public side where 'order' is established, is represented by the suitidity and rightm of the concrete well which acts are protective barrier on the entitle Mercylespelle researce out at the public order and other where the solid, protective barrier is releved by a light and temporaret glass curtain wall. Through the looky, the Police stared beyond cells as the historie repelle zone. At the Police source entry court, the concrete solidity of the protective barrier is completely brothen chost hy the linear window wall to reveal the internal succloses of the Patrict component, the history organization. This central respite zone links the building the secure parting granges and creates as series of entry for Police protection.

The majority of the remaining facades consist of a scrim wall which continues the notion of order through the rhythm of the vertical components. The scrim continues around to form the parking garage walls and also acts as the primary security line for the site. The full exident of the structured parking is still to be determined by the City of Househa and the Househo Police Department.





