Architectural Design Protecting Soft Targets

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Shared Space Is Everyone's Problem…

- Space: Shared spaces are essential to civil society and prerequisite to freedoms of assembly, speech, and free exercise of religion.
- Problems:
  - Inherent tension between designing places to be publicly-accessible, welcoming, inclusive, and vibrant, with strategies to control, deter, deny, and fortify, for safety.
  - Every place is unique, even if they have the same use.
  - There is no blank slate: all design intervenes in existing buildings/systems.
- Design research: Analysis of historical and theoretical discourse, Case studies of situated prior work, design exploration, testing and assessment in new and existing buildings and places.

a Soft Target or a Vibrant Public Space?
LOBSTER ROLLS
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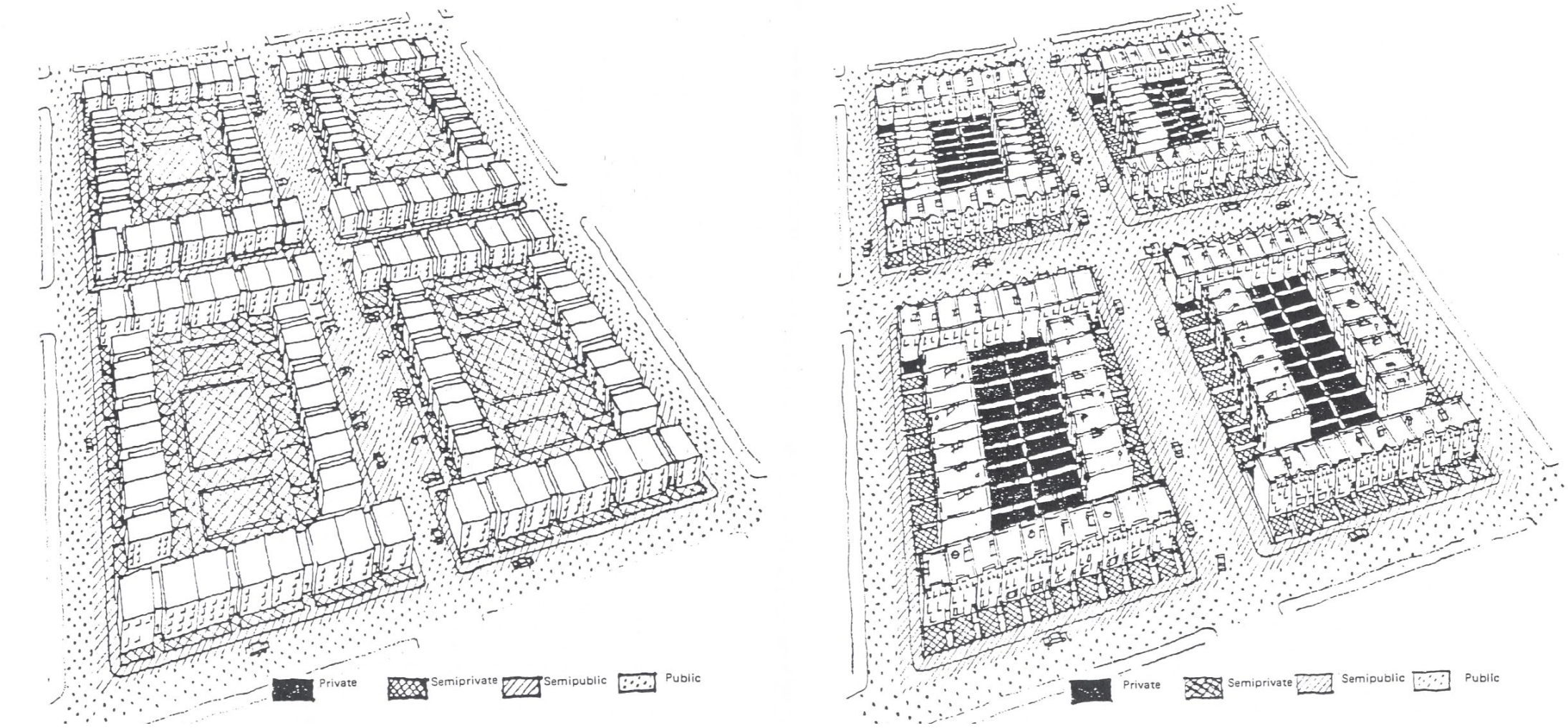
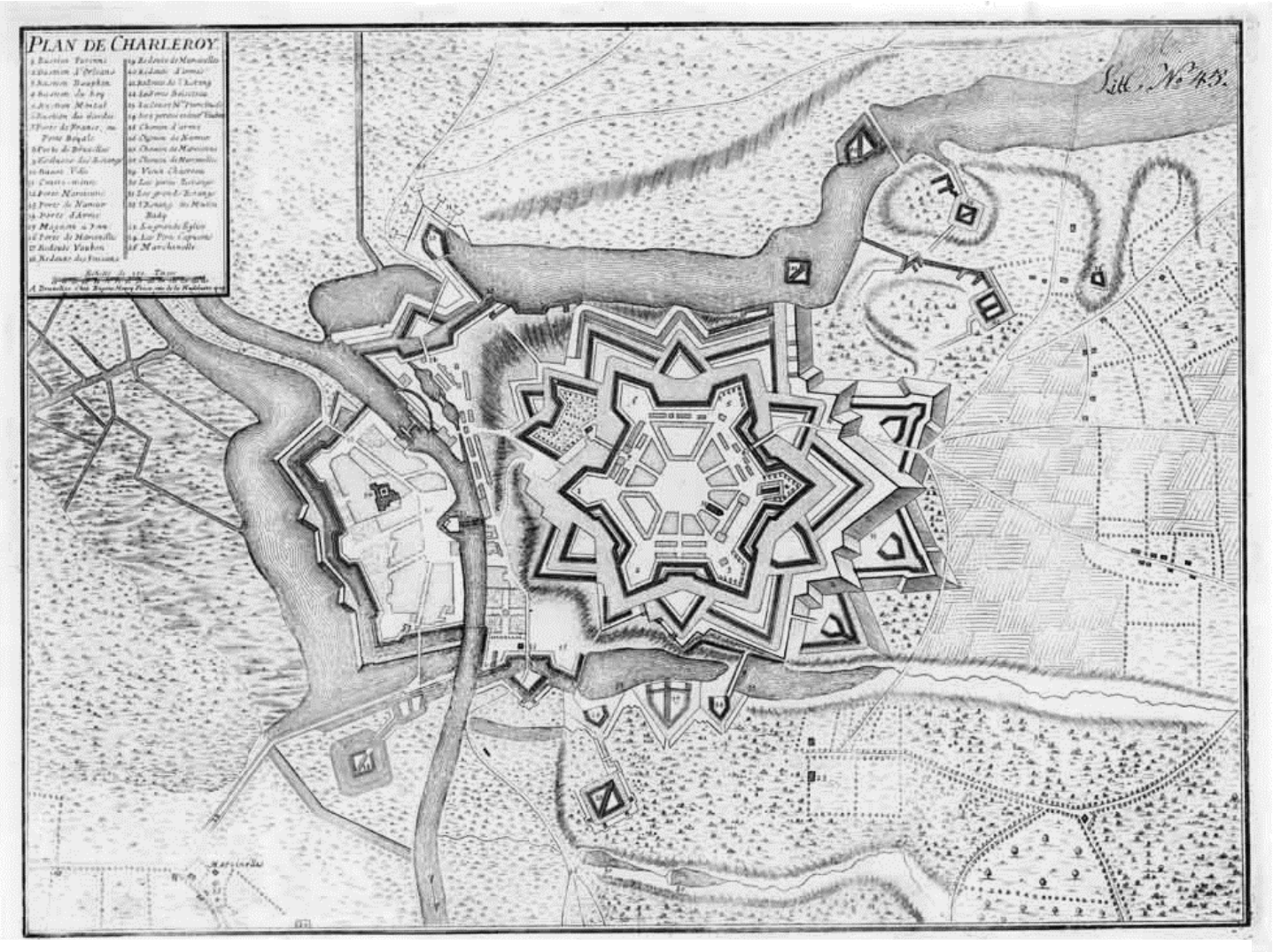
Crime Prevention through Environmental Design

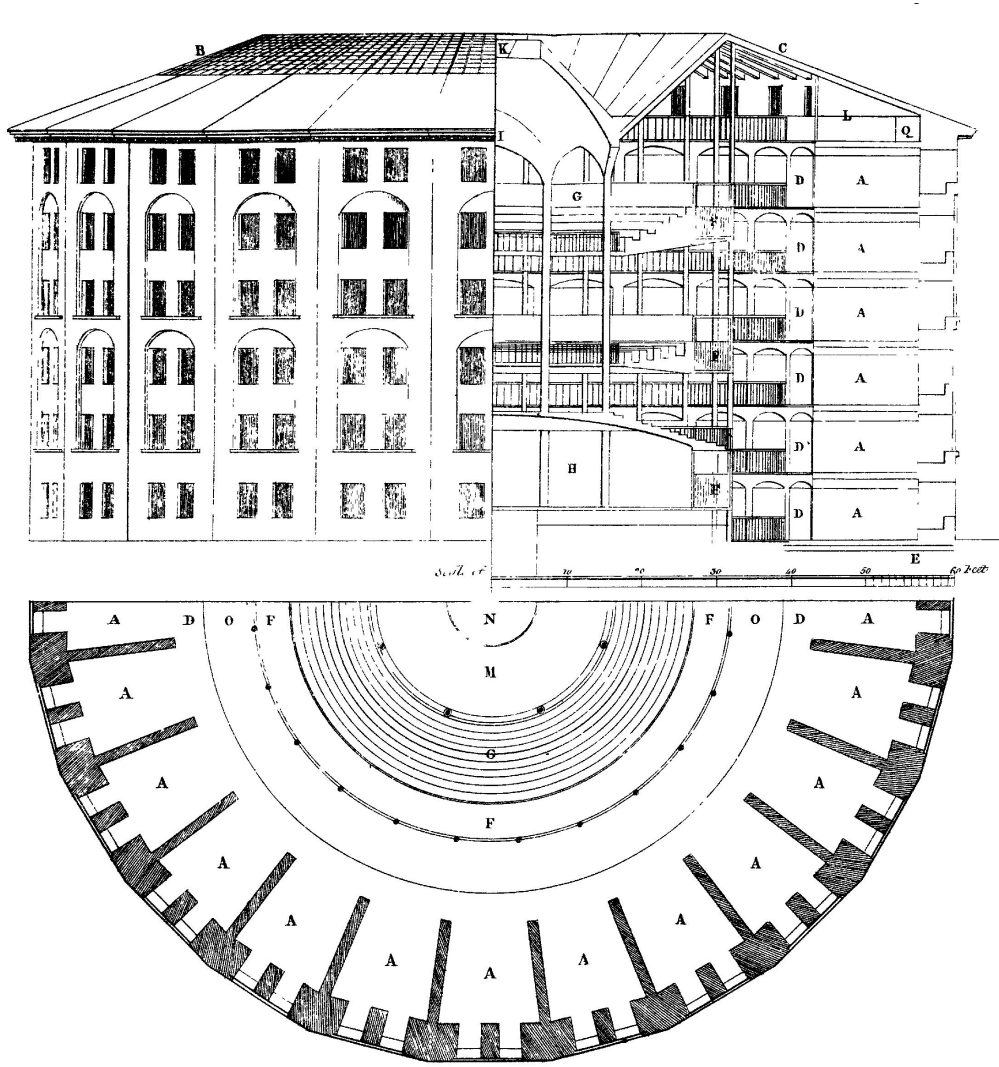


Model housing developments contrasting undifferentiated common space (left) with private and semi-private "defensible" space (right) From *Design Guidelines for Creating Defensible Space* (1975) by Oscar Newman.

Architecture of Exclusion vs Architecture of Enclosure



Plan of Charleroi, Wallonia per the system of Vauban. Print maker Jacobus Harrewijn, publisher: Eugene Henry Fricx, Brussels 1709.



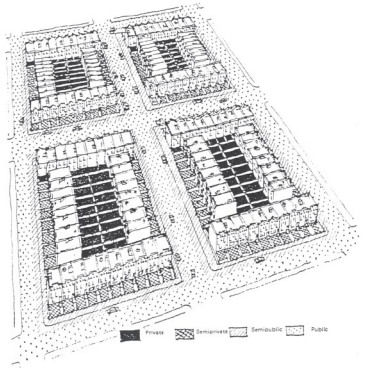
Plan of Jeremy Bentham's panopticon prison, drawn by Willey Reveley in 1791.

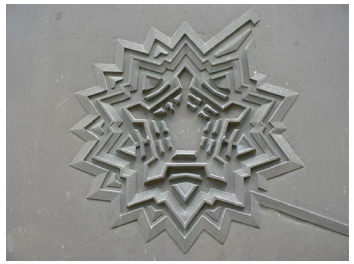
Framing Problems

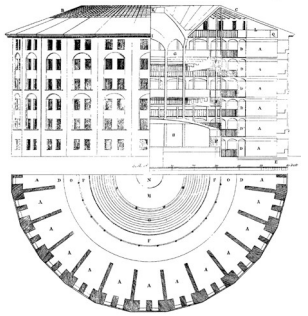
AFFORDANCE
(Wicked)

EXCLUSION
(Preclude)

ENCLOSURE
(compel)







DETERMINISTIC
(Tame)

References

- Deleuze, Gilles. "Postscript on the Societies of Control." *October* 59 (Winter 1992): 3–7.
- Foucault, Michel. "'Panopticism' from 'Discipline & Punish: The Birth of the Prison.'" Translated by Alan Sheridan. *Race/Ethnicity: Multidisciplinary Global Contexts* 2, no. 1 (2008): 1–12.
- Guerlac, Henry. "Vauban: The Impact of Science on War." In *Makers of Modern Strategy from Machiavelli to the Nuclear Age*, by Peter Paret, Gordon A. Craig, and Felix Gilbert, 64–90. OUP Oxford, 1986.
- Knoblauch, Joy. "Do You Feel Secure?" *Urban Omnibus*, March 28, 2018. https://urbanomnibus.net/2018/03/do-you-feel-secure/.
- Knoblauch, Joy. "The Economy of Fear: Oscar Newman Launches Crime Prevention through Urban Design (1969–197x)." *Architectural Theory Review* 19, no. 3 (September 2, 2014): 336–54. https://doi.org/10.1080/13264826.2014.1036492.
- Mitchell, Don. *The Right to the City : Social Justice and the Fight for Public Space*. Guilford Press, 2003.
- Newman, Oscar. *Defensible Space; Crime Prevention through Urban Design*. New York: Macmillan, 1972. https://catalog.hathitrust.org/Record/001120308.
- Rittel, Horst W. J., and Melvin M. Webber. "Dilemmas in a General Theory of Planning." *Policy Sciences* 4, no. 2 (June 1973): 155–69. https://doi.org/10.1007/BF01405730.
- Schuilenburg, Marc, and Rik Peeters. "Smart Cities and the Architecture of Security: Pastoral Power and the Scripted Design of Public Space." *City, Territory and Architecture* 5, no. 1 (October 24, 2018): 13. https://doi.org/10.1186/s40410-018-0090-8.
- Securitech. "Securitech Group Inc." Accessed May 2, 2022. https://securitech.com/.
- Stratumseind.Net. "Stratumseind Eindhoven | uitgaan in Eindhoven." Accessed May 1, 2022. http://www.stratumseind.net/.