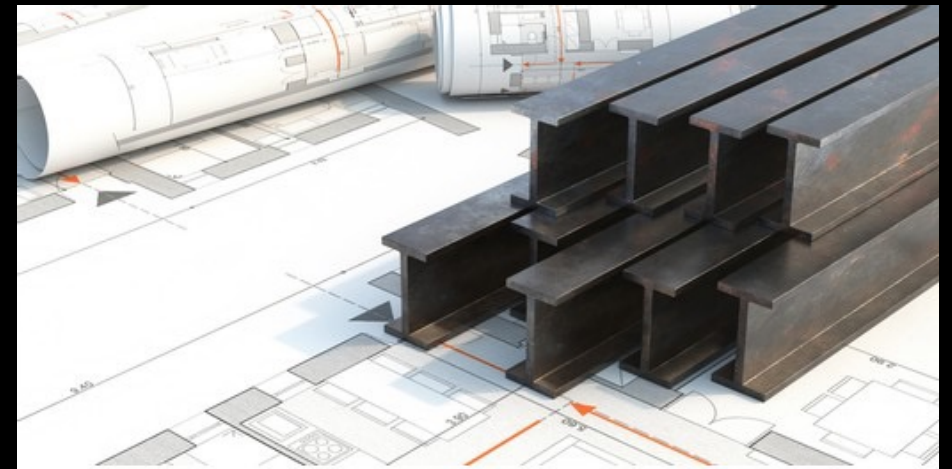


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Public Works Facility



Project Team



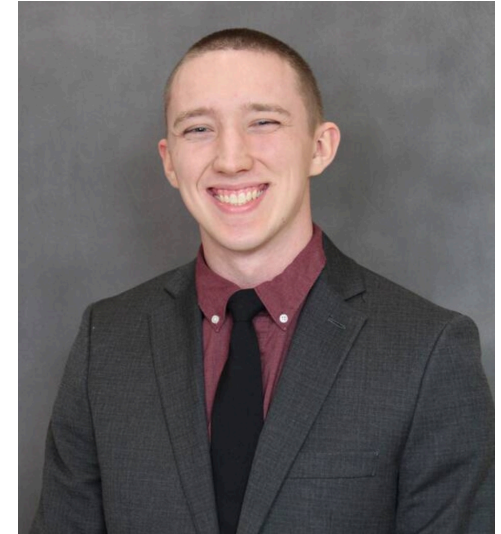
Luke Maharry
Project Manager



Avery Liss



Olivia Marchiori



Braeden Smith

Overview



Client



Scope



Alternatives

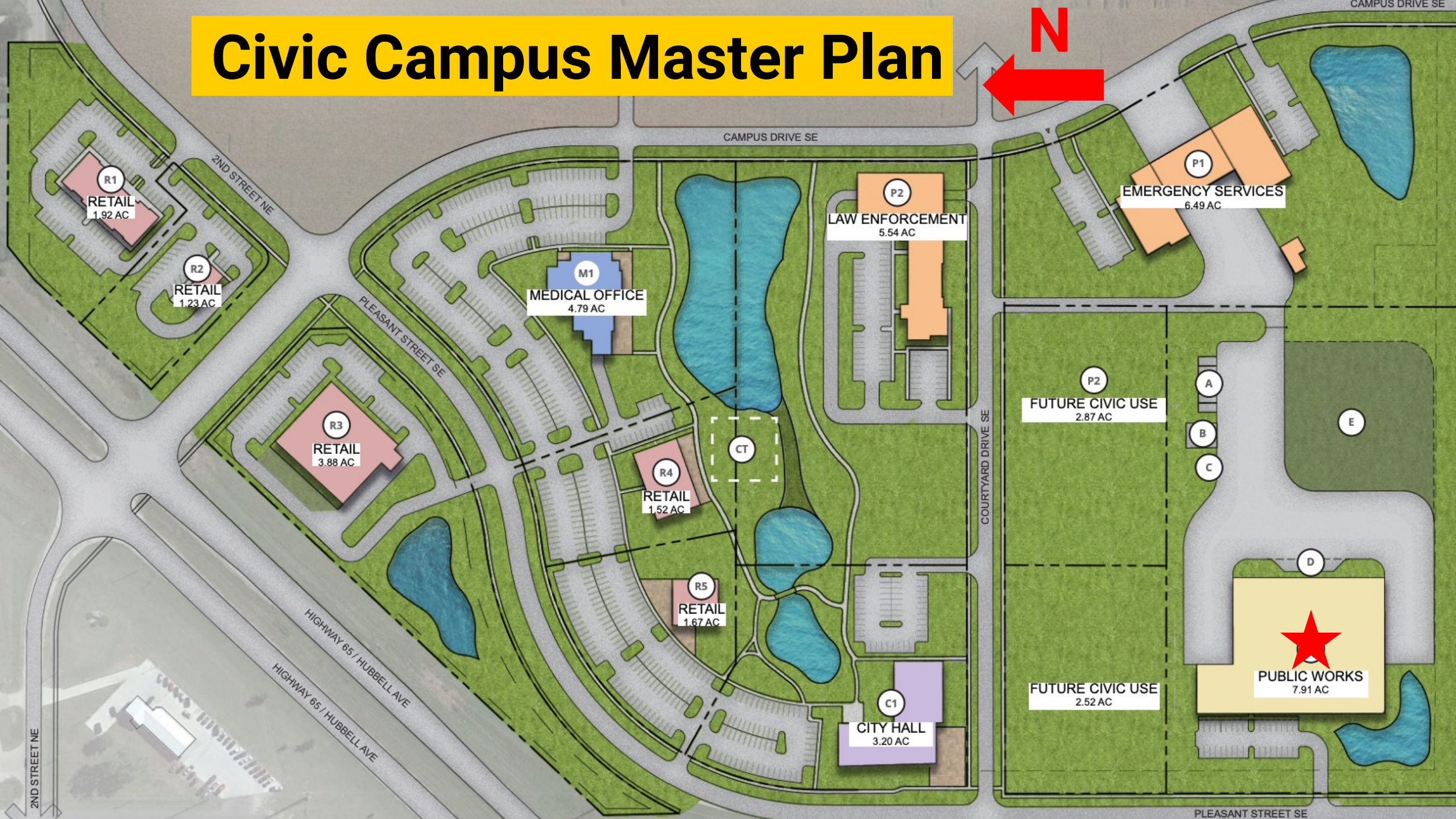


Final Design



Construction Cost

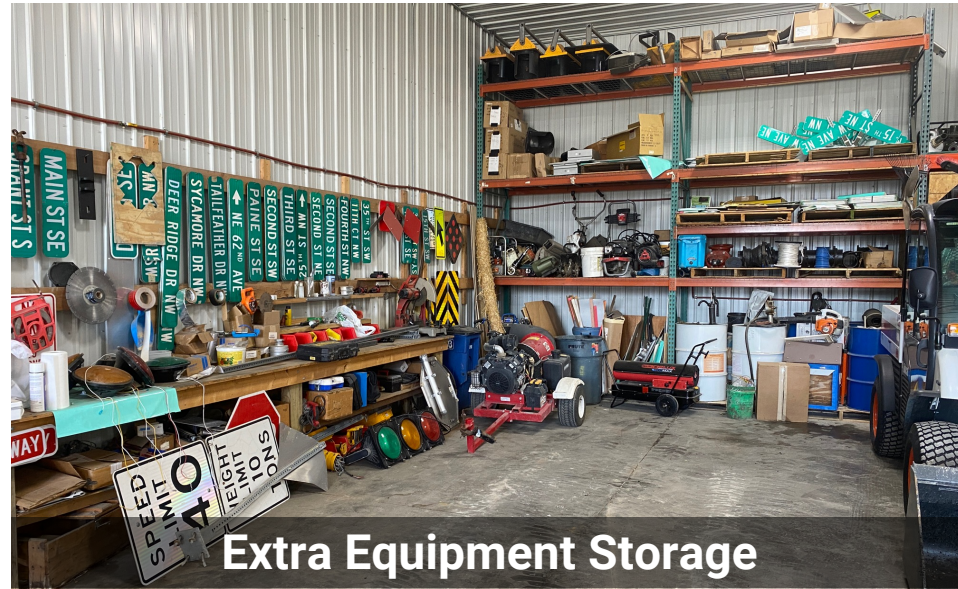
Civic Campus Master Plan



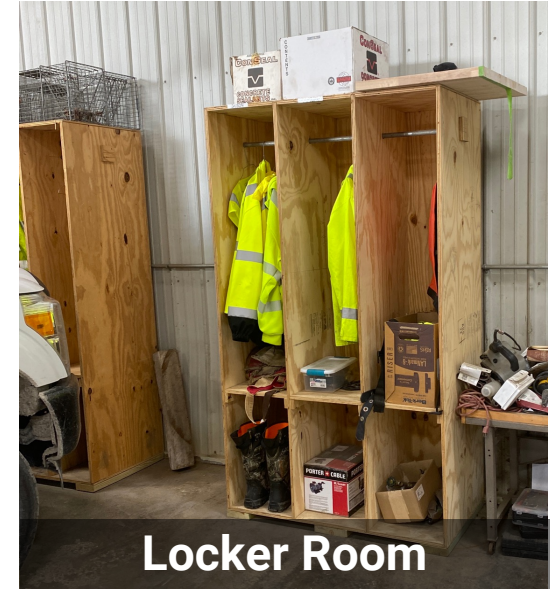
Existing Facility



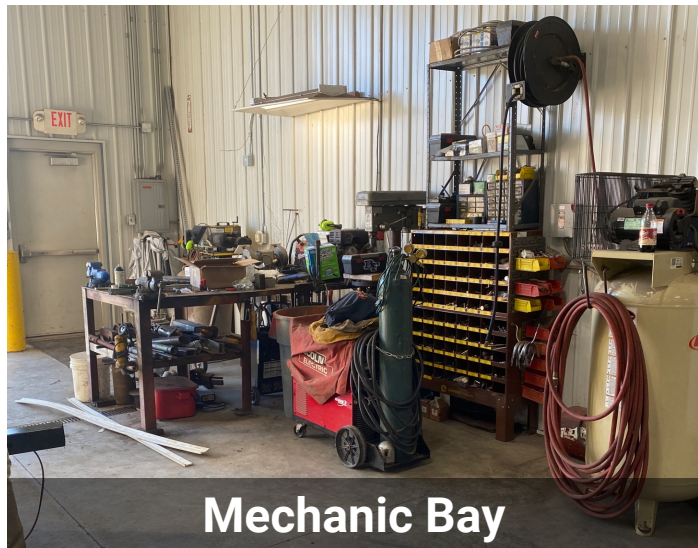
Break Room



Extra Equipment Storage



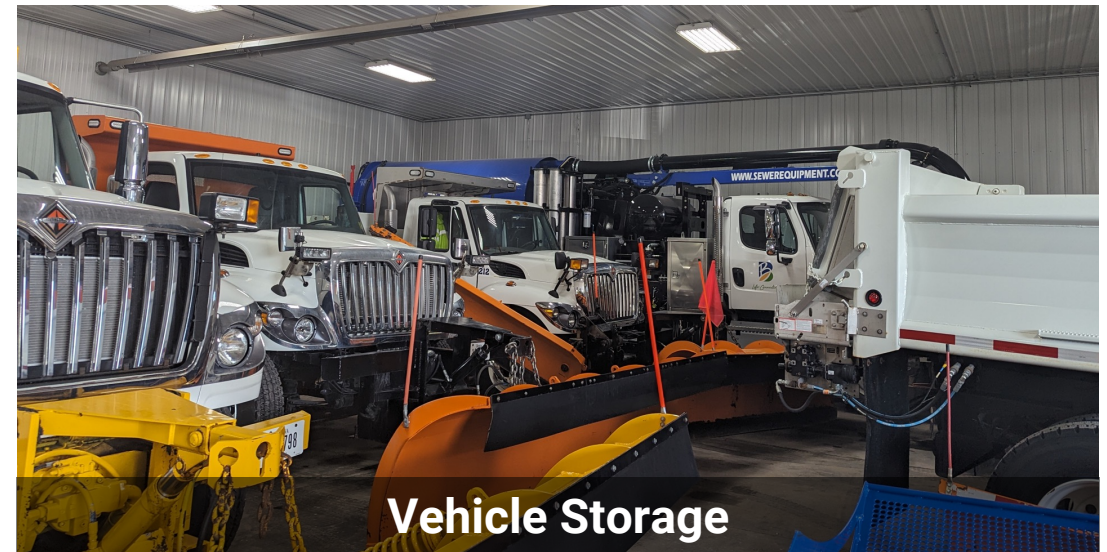
Locker Room



Mechanic Bay

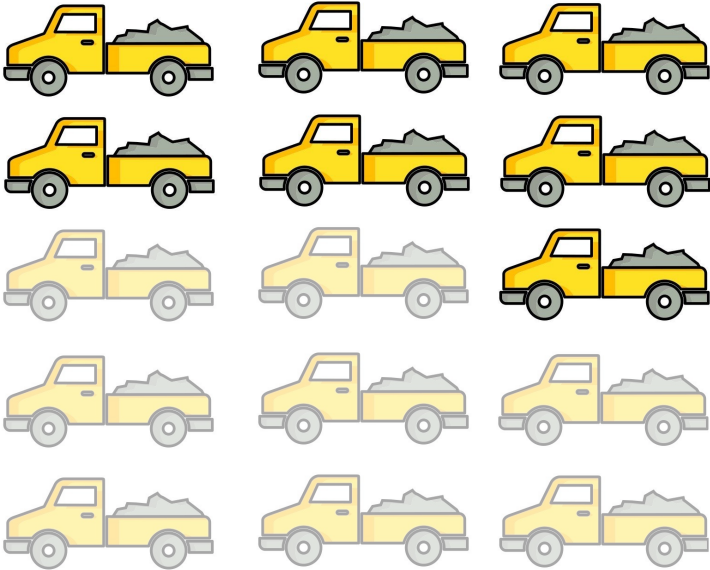
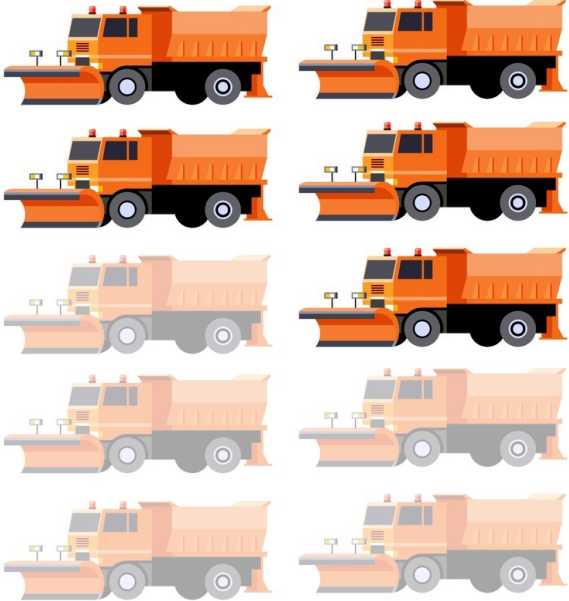


Wash Bay

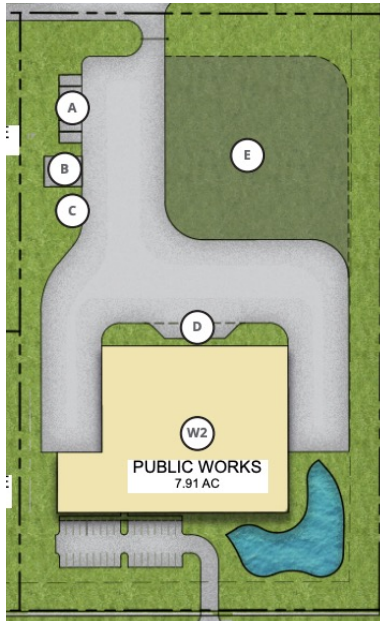


Vehicle Storage

Projected Demand



Constraints



7.91-Acre Site

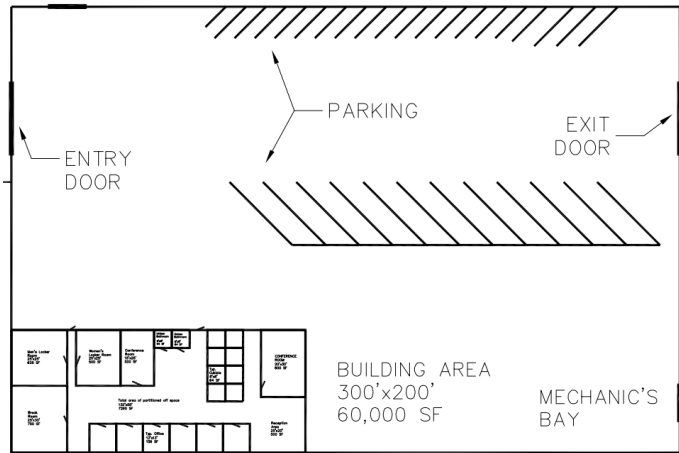
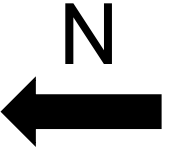


Emergency Services Building

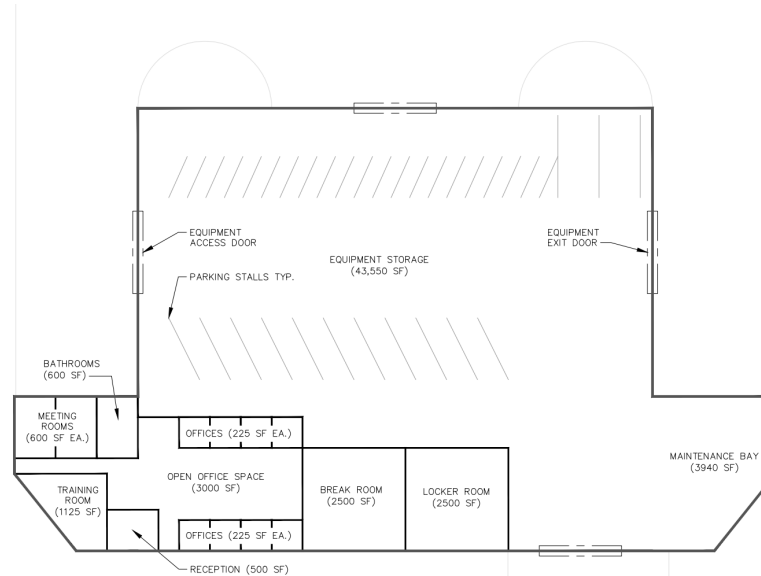


Back-of-House Operations

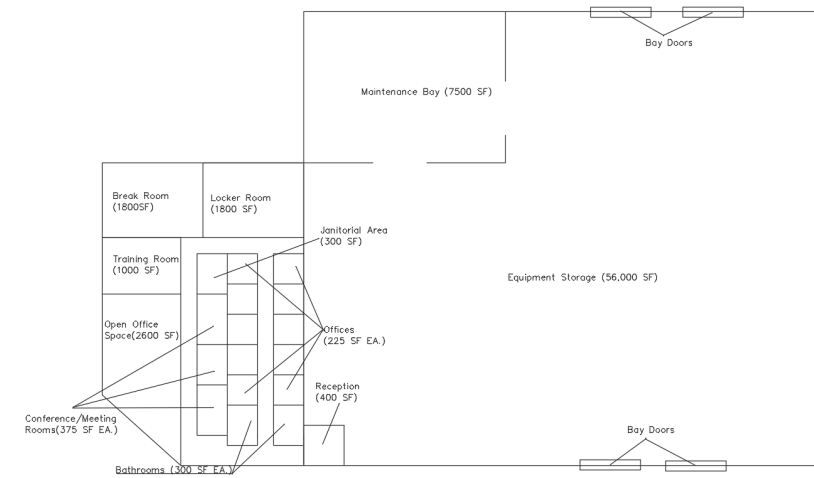
Conceptual Design



Alternative 1

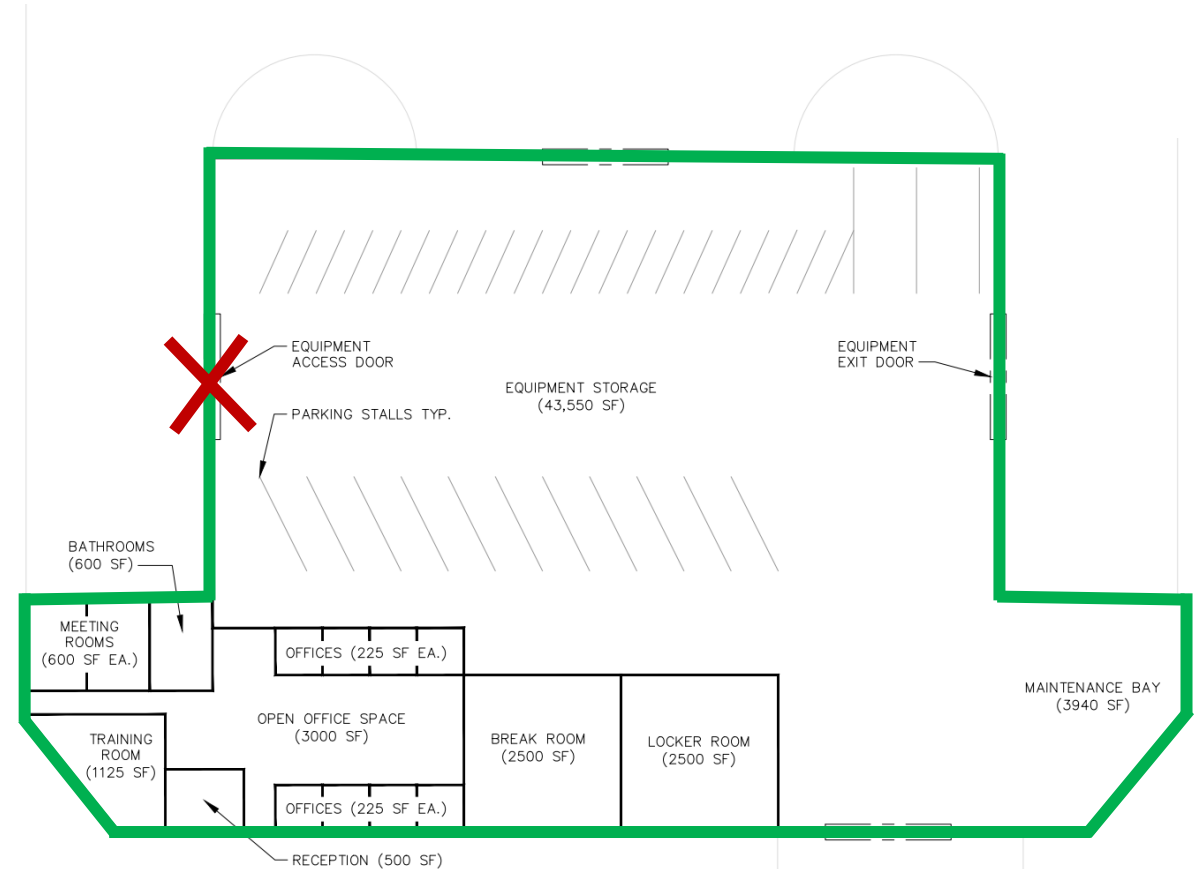
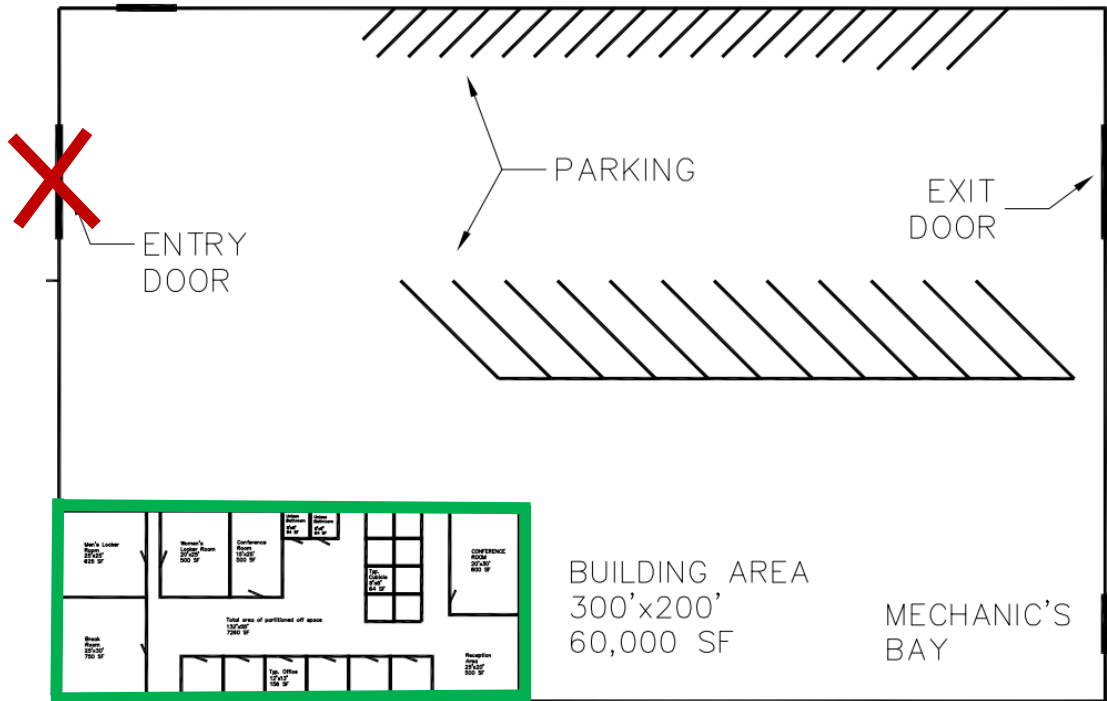
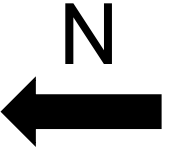


Alternative 2



Alternative 3

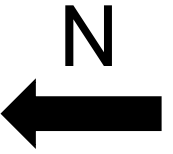
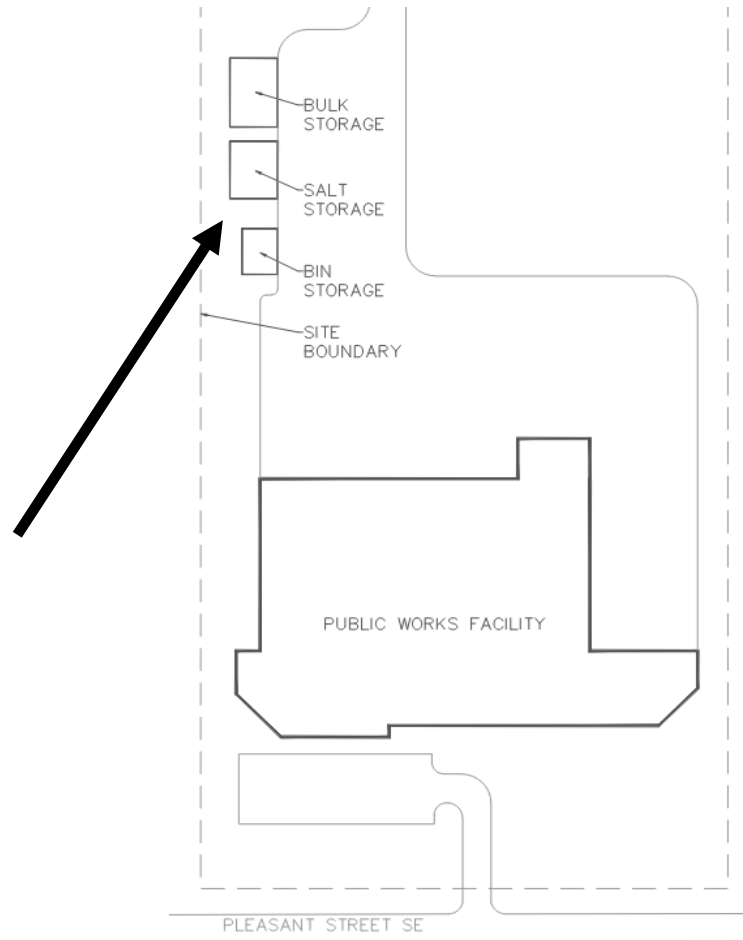
Conceptual Design Revisions



Site Plan

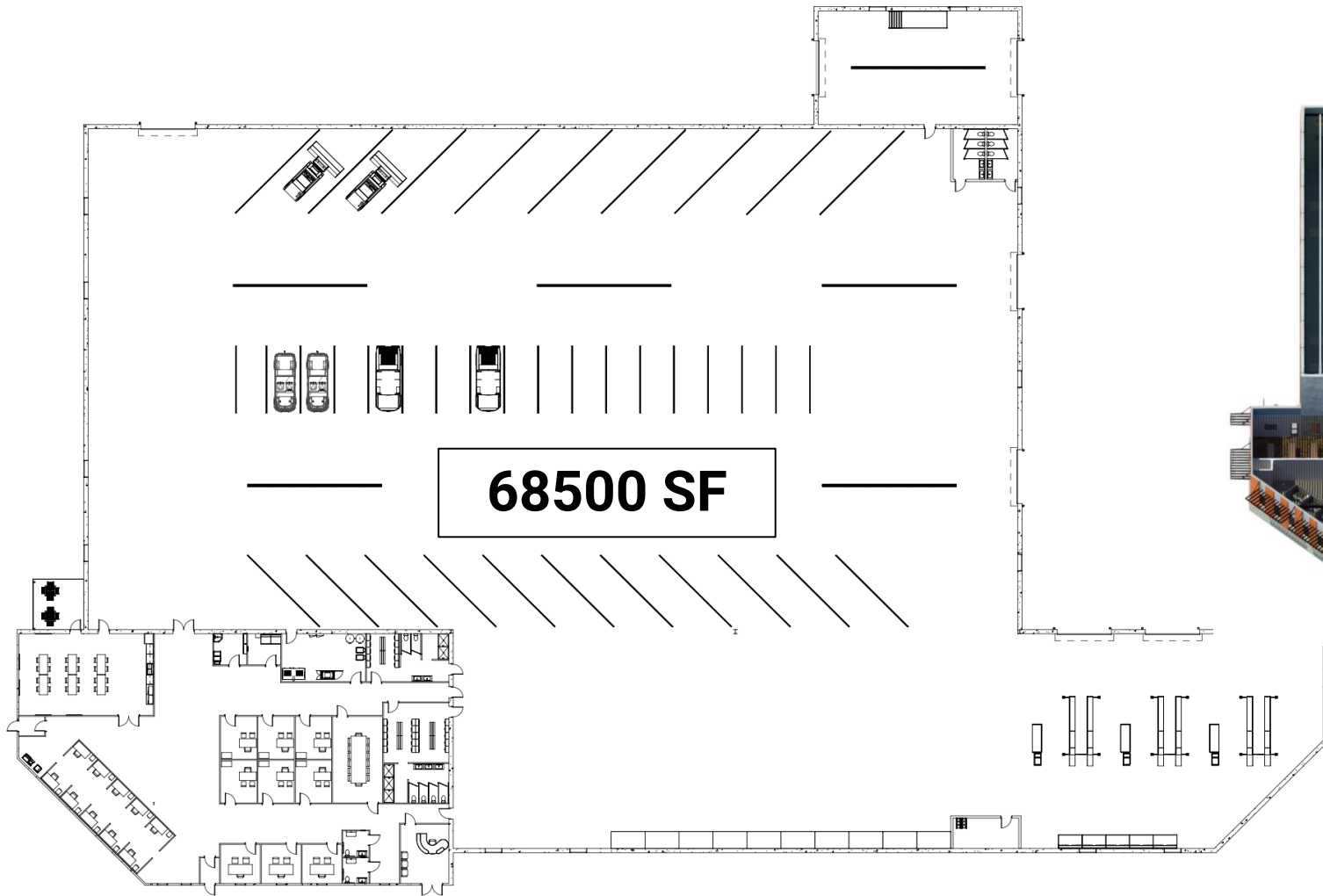
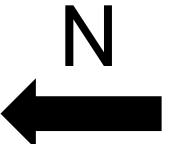
FarmTek

ClearSpan™ Round Extra-Tall HD Buildings



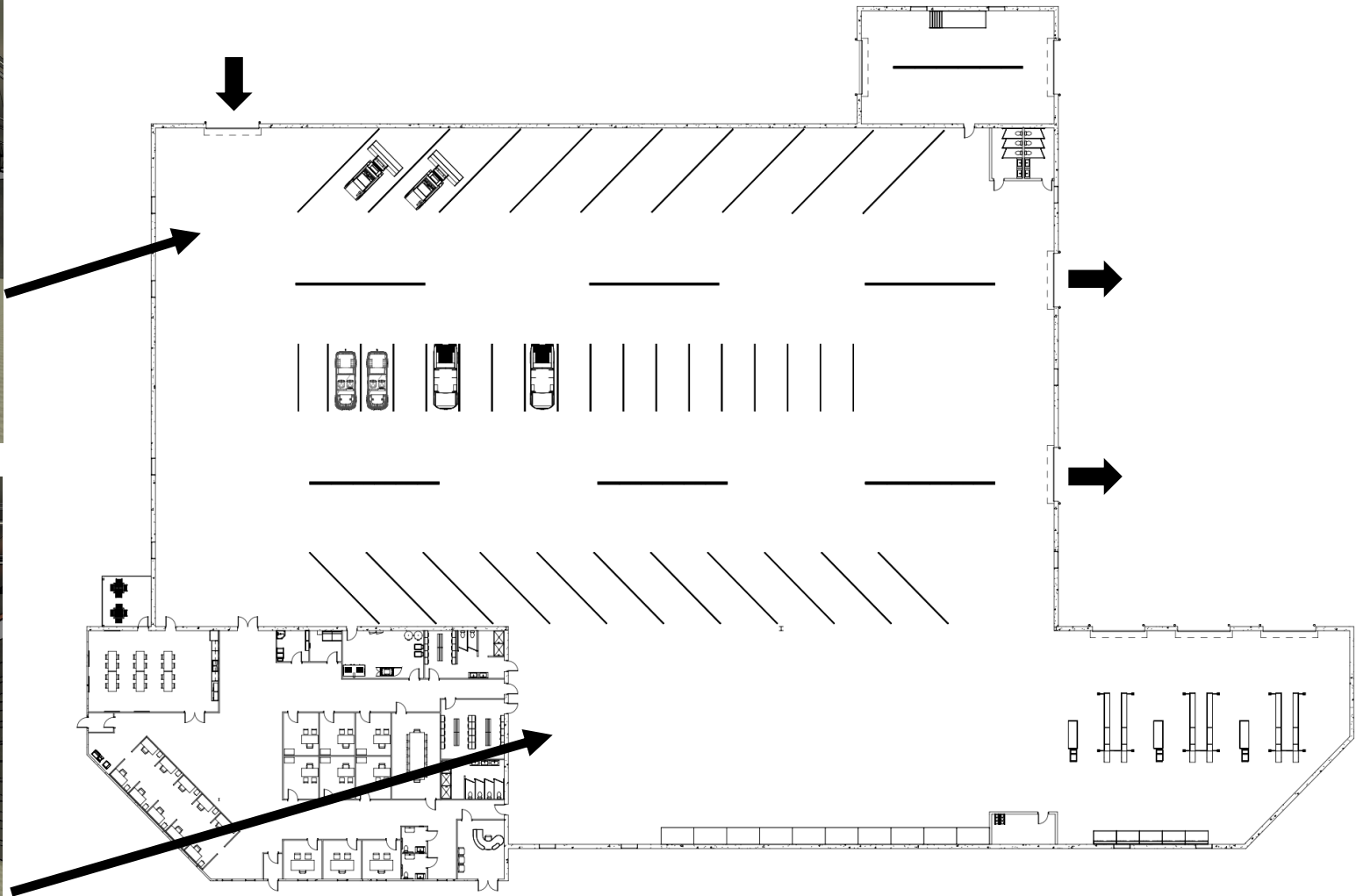
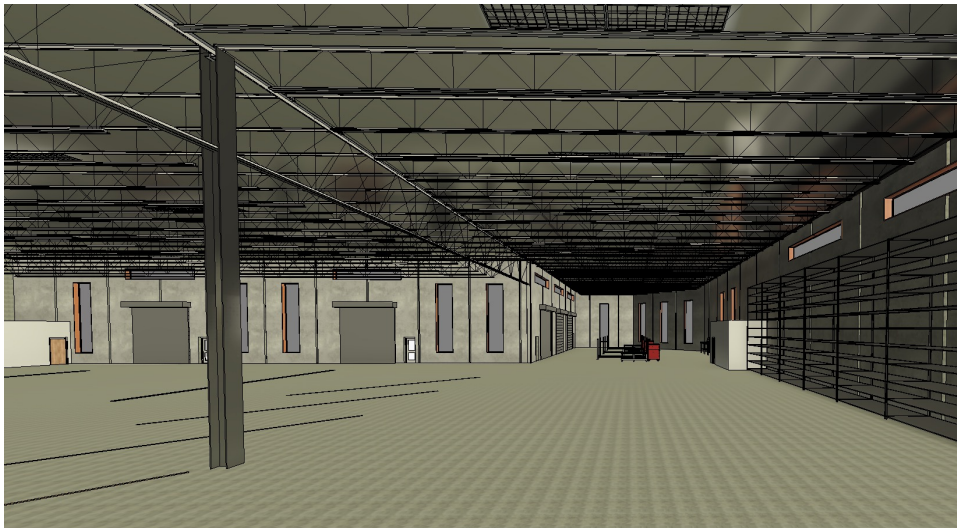
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First Floor Architectural Plan

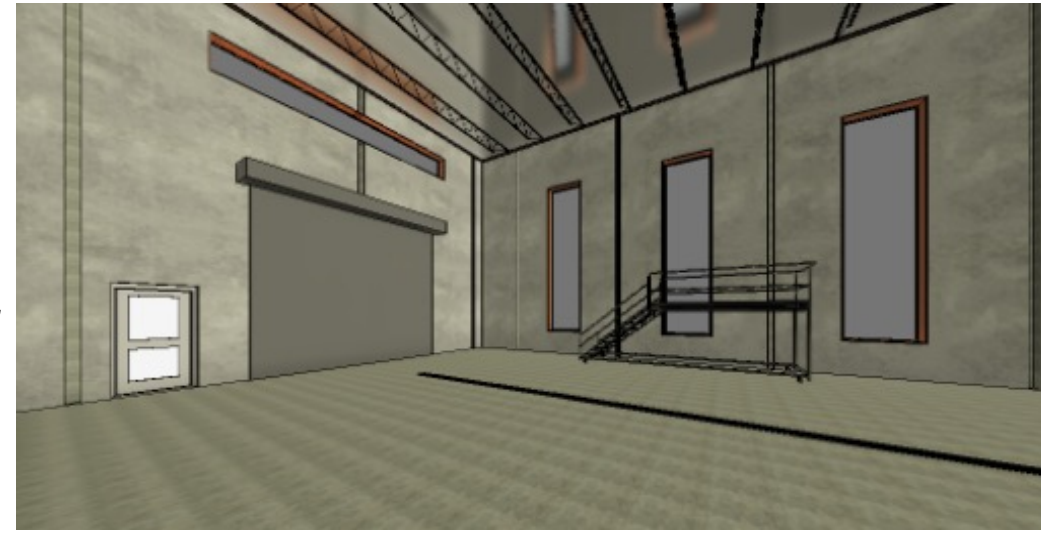
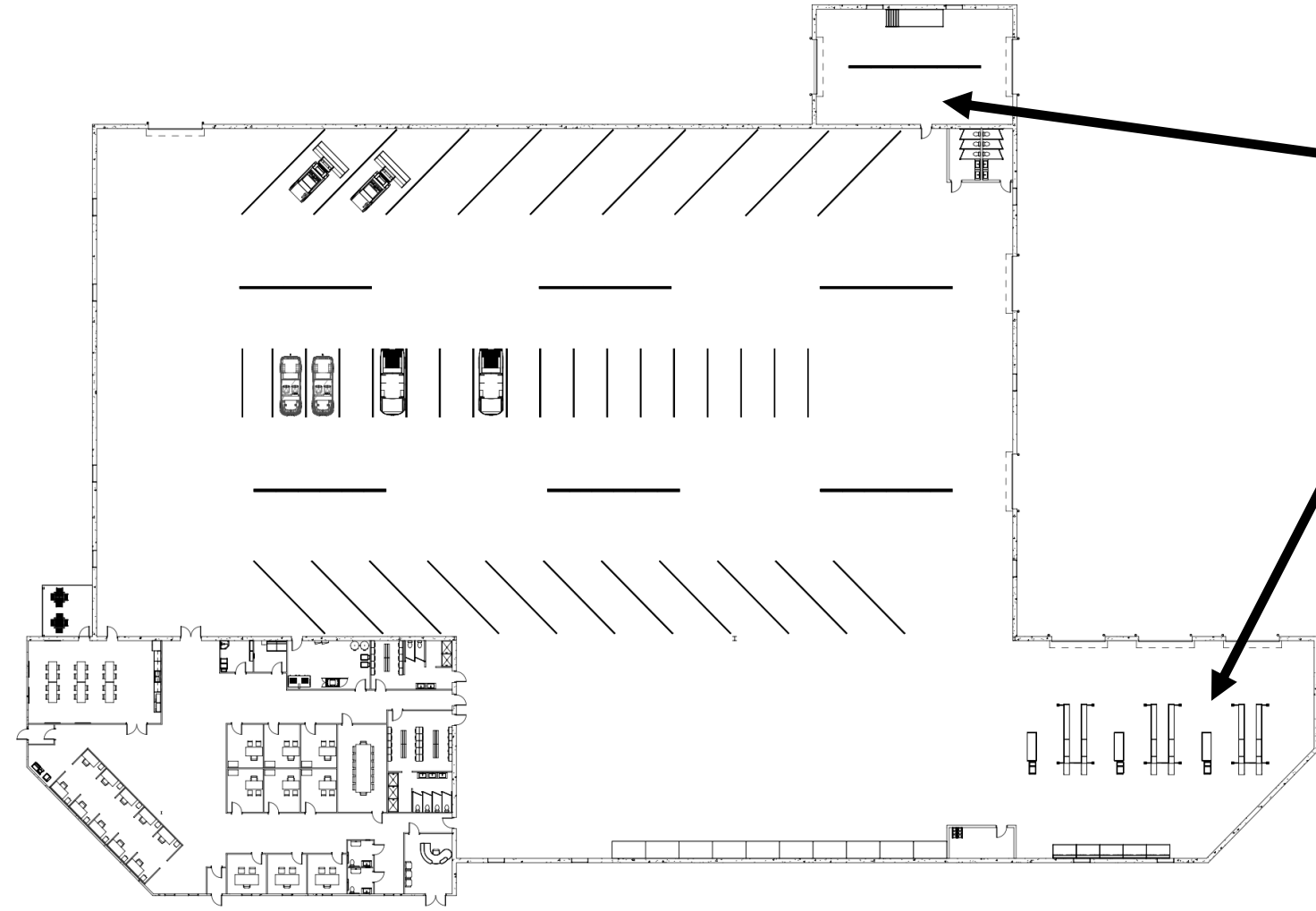


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Equipment Area

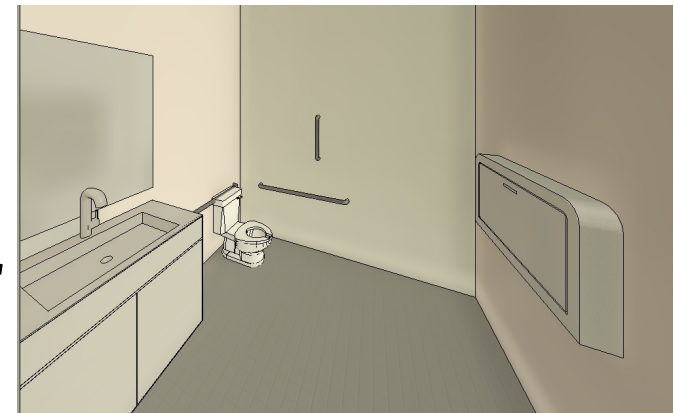
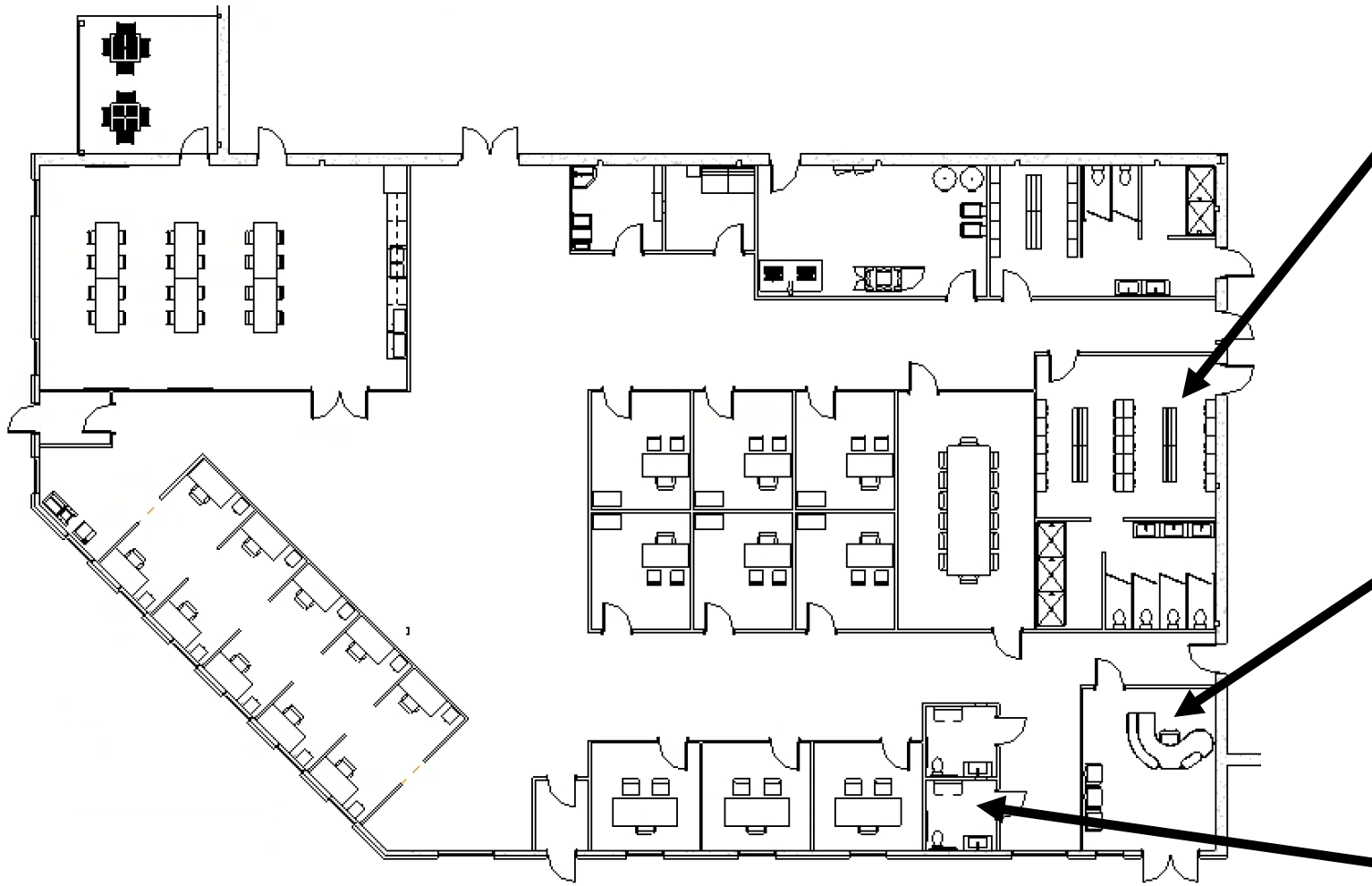


Equipment Area

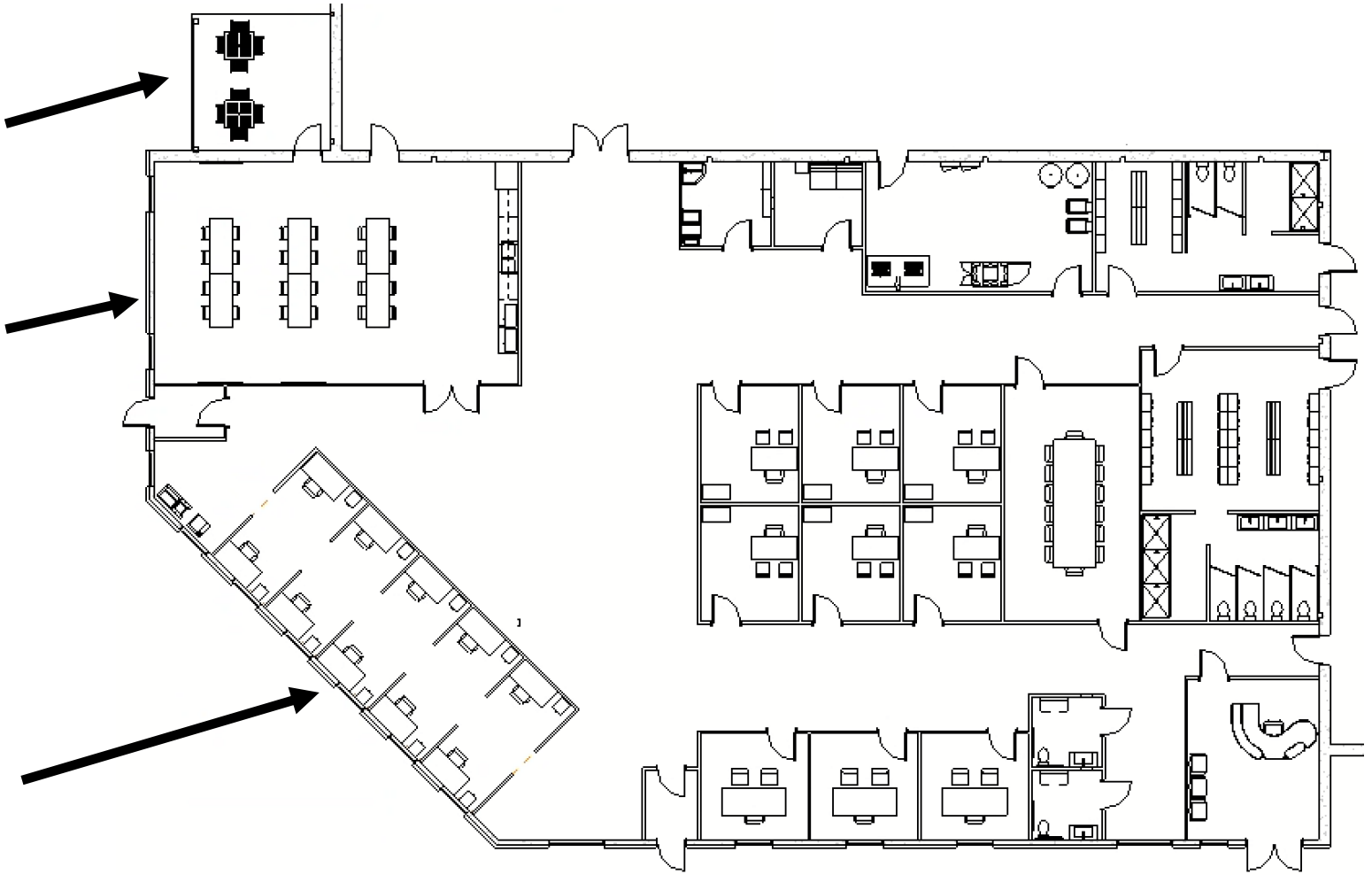


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Office Area



Office Area

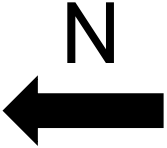
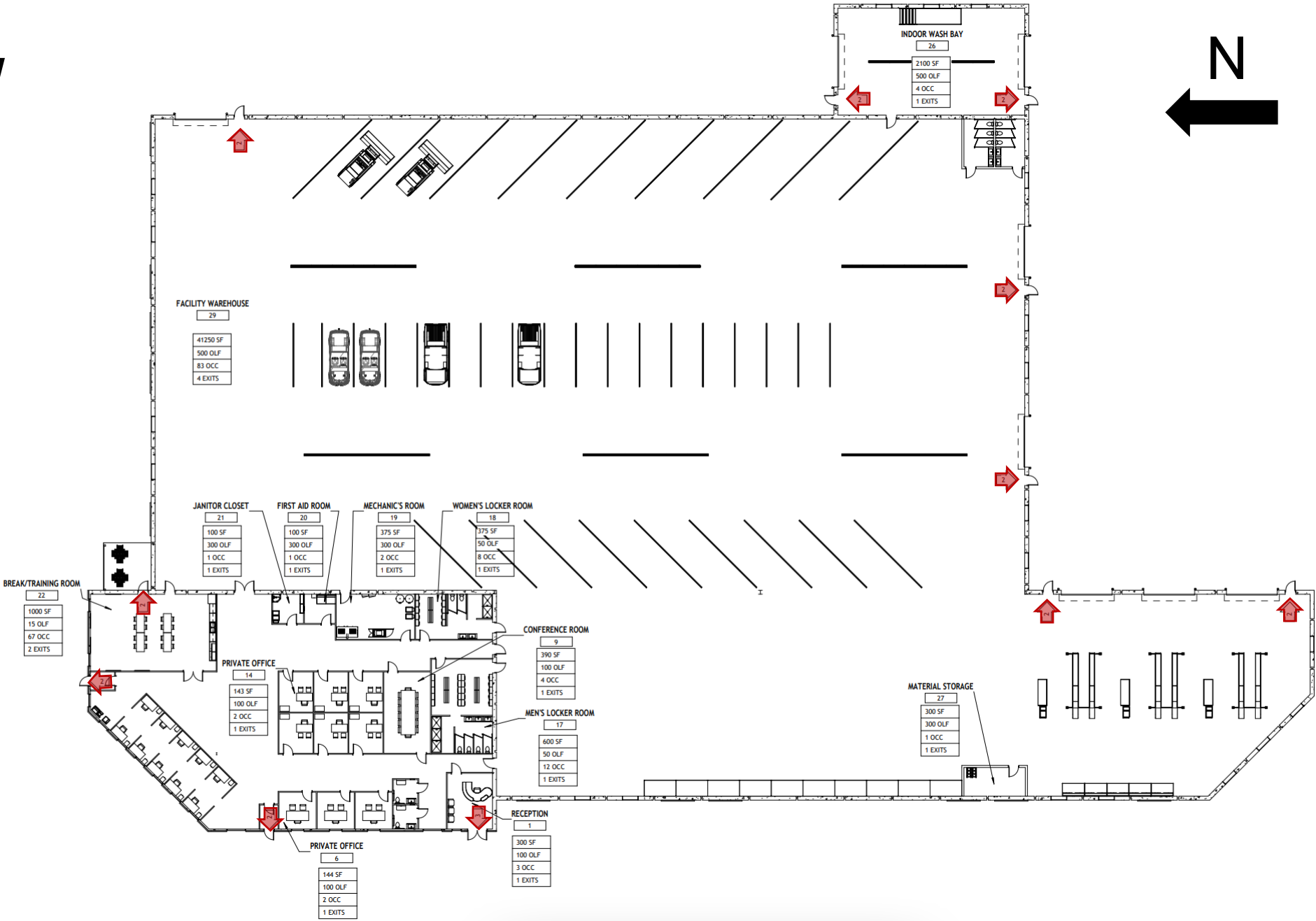


Code Review

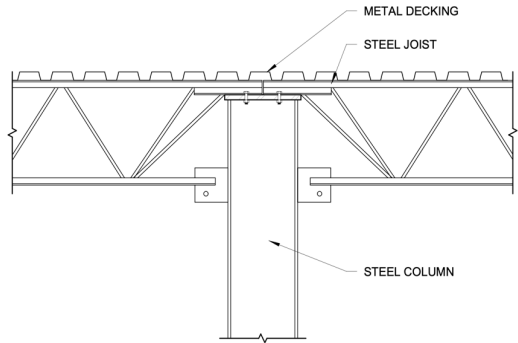
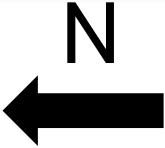
Room Key

Room Name
Room Number
Area of Room
Occupant Load Factor
Occupants
Exits Required

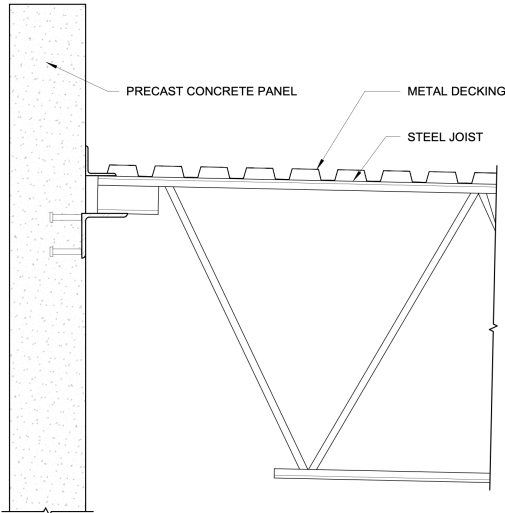
Exterior Exit



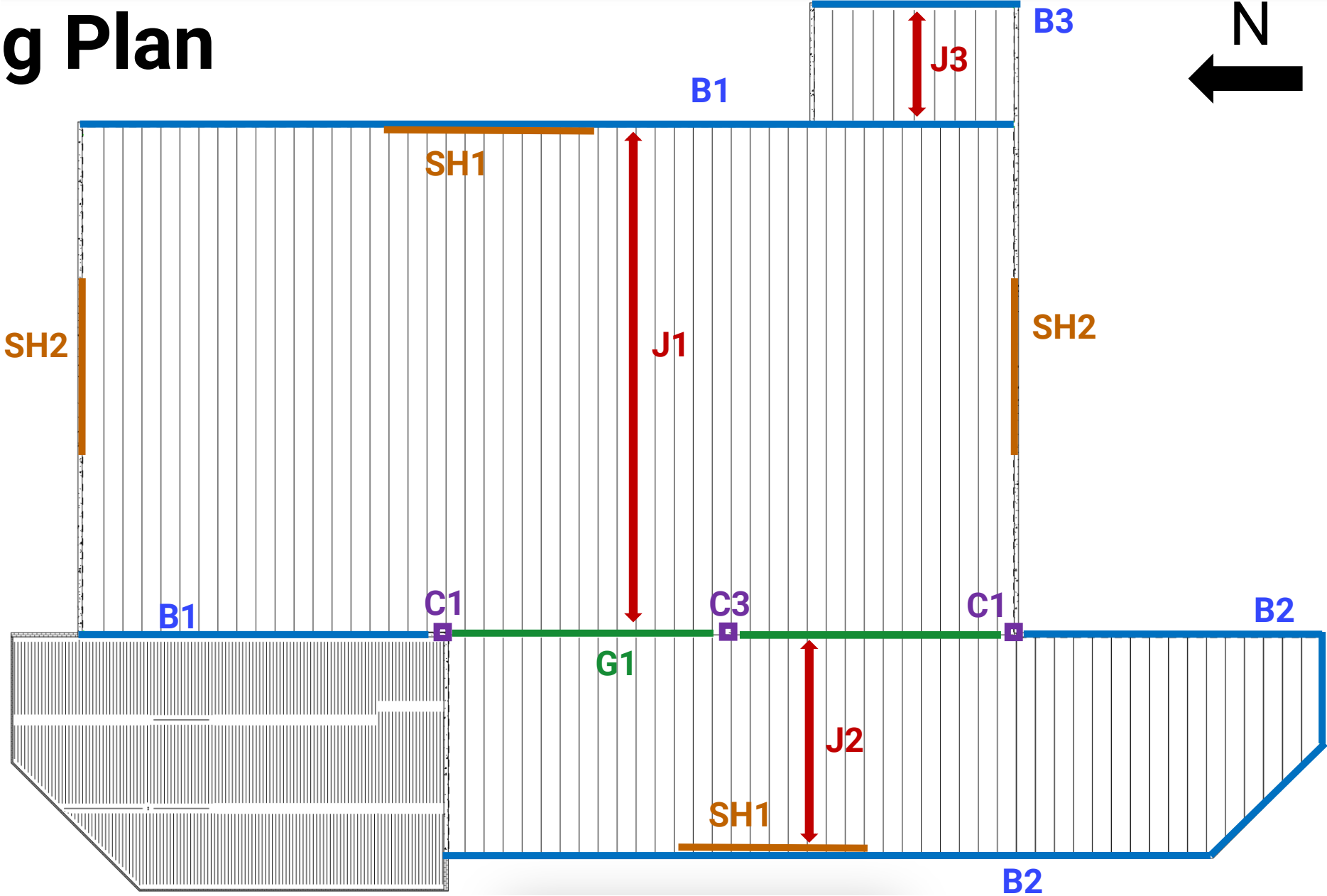
Roof Framing Plan



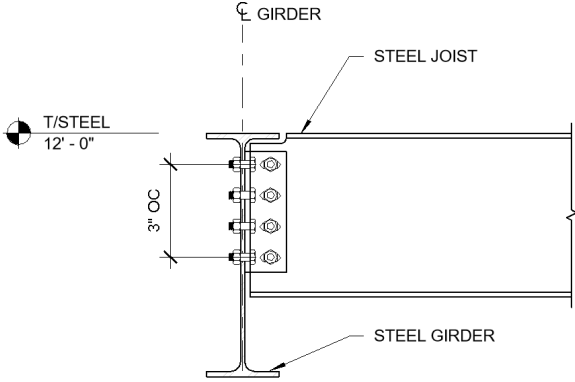
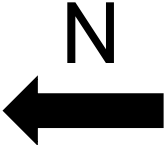
Joist Girder to Column



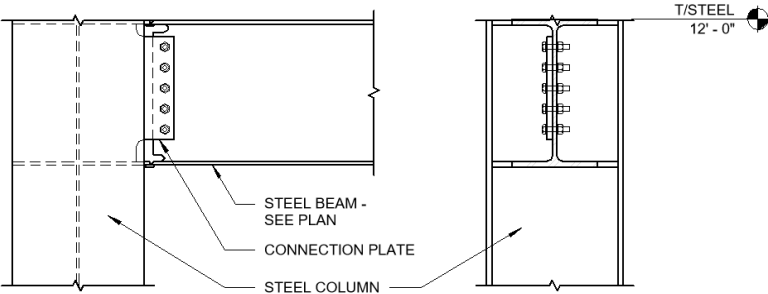
Joist to Bearing Wall



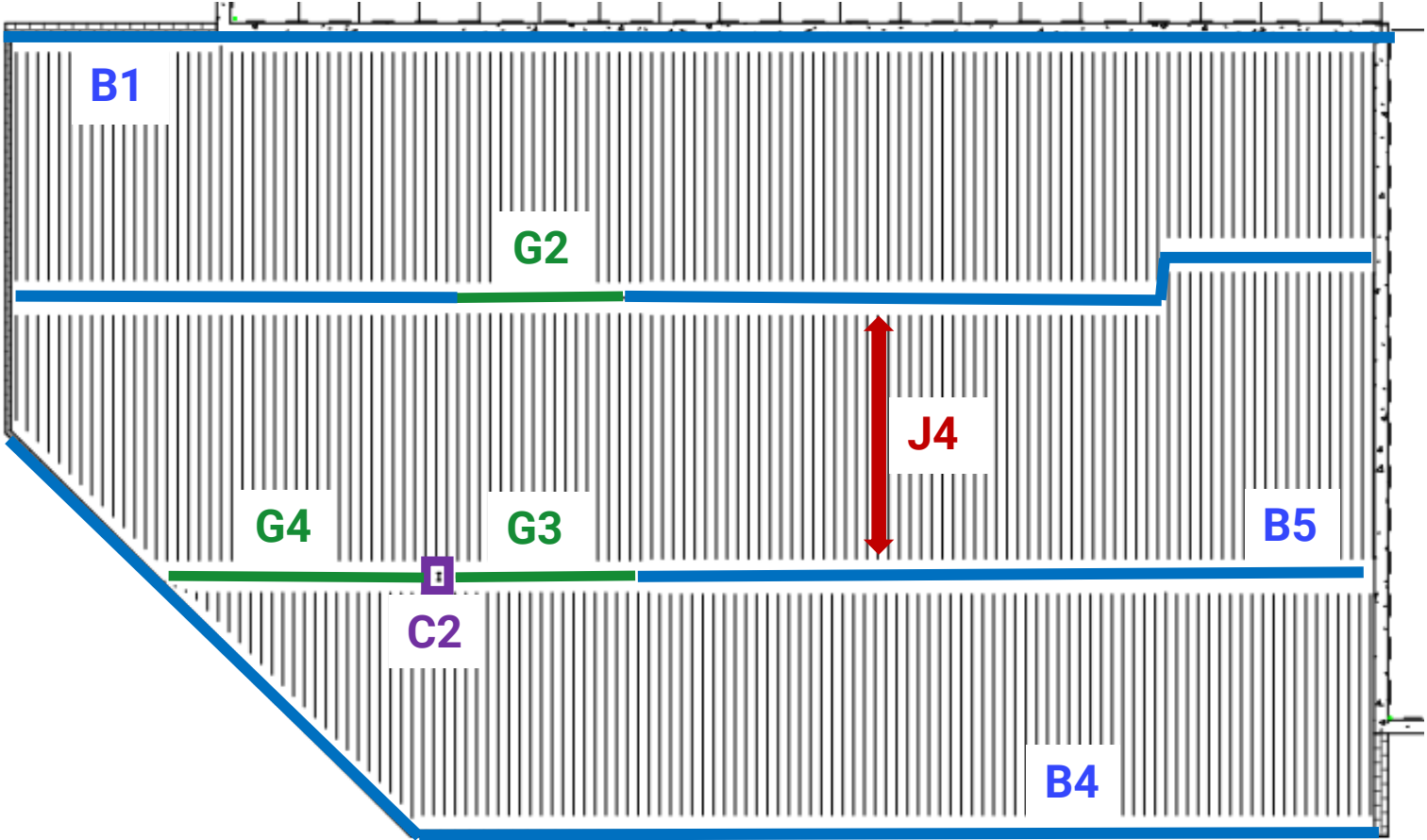
Roof Framing Plan



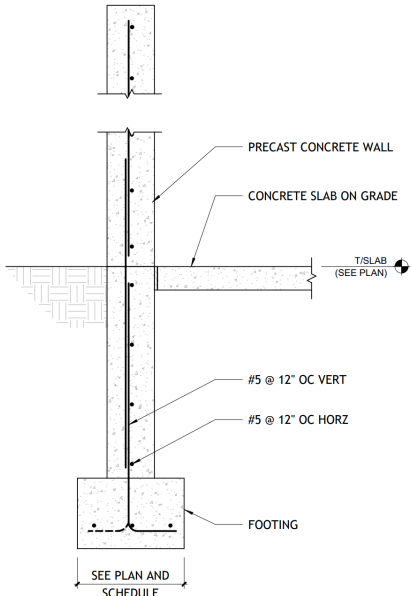
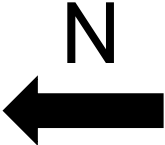
Joist to Girder



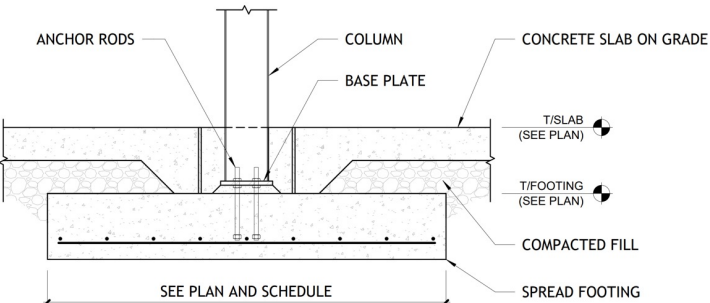
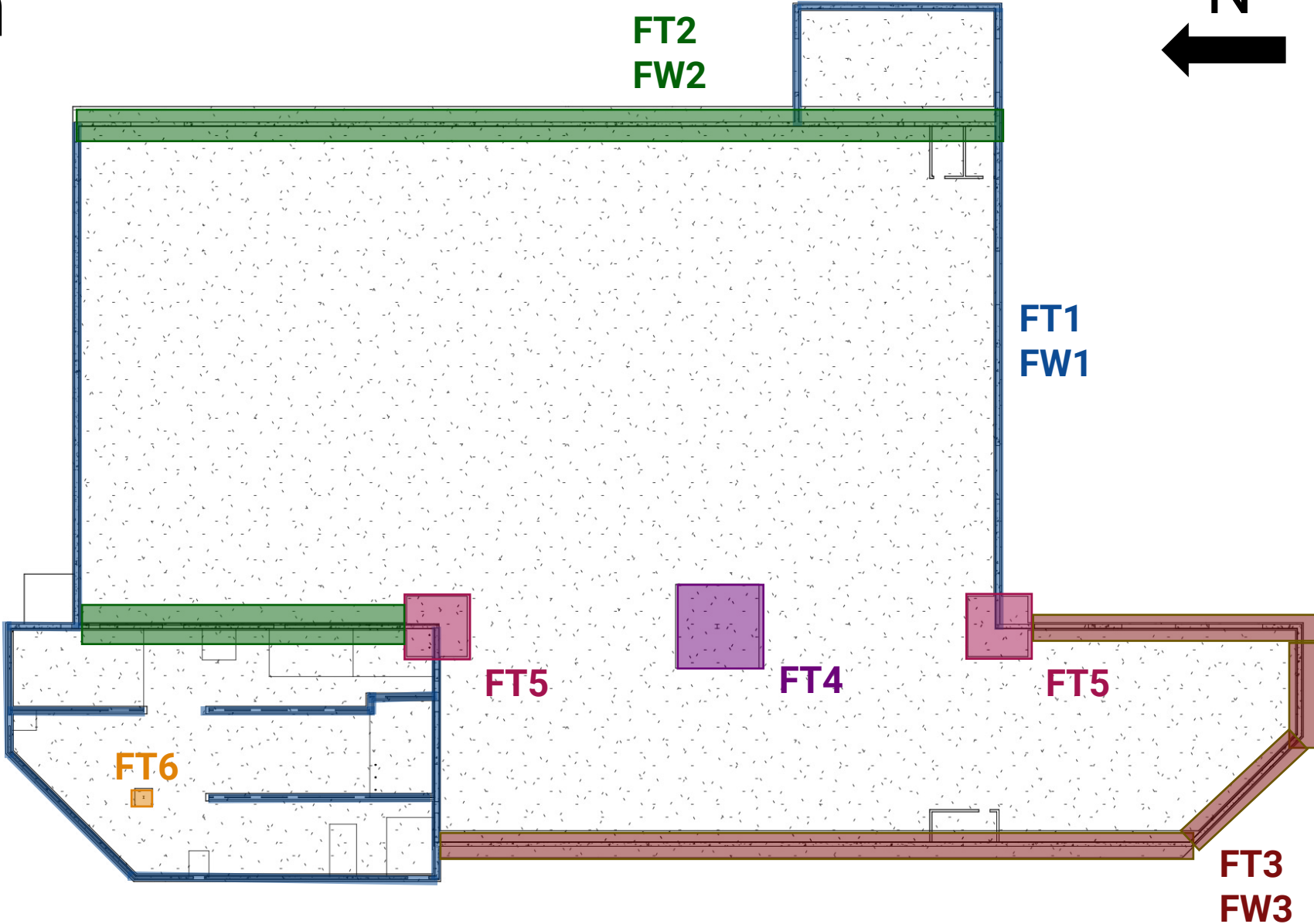
Girder to Column



Foundation Plan



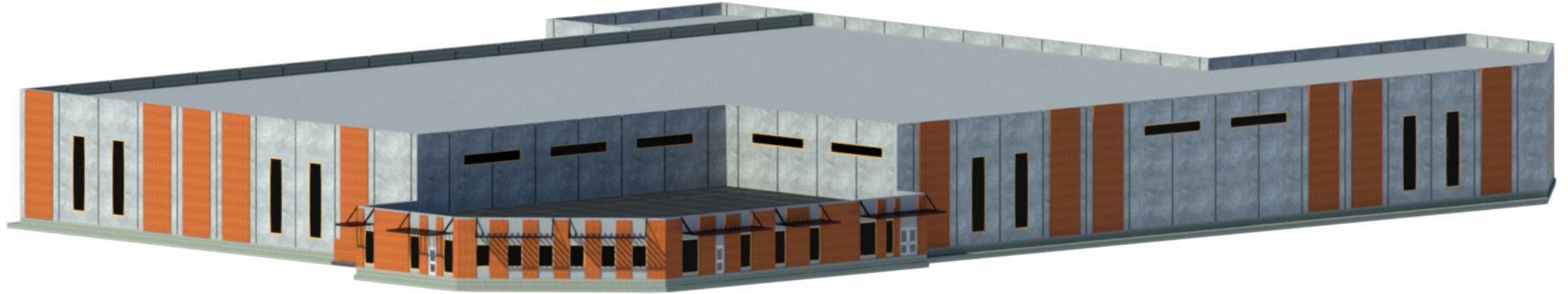
Footing and Foundation Wall



Spread Footing



Exterior Renderings

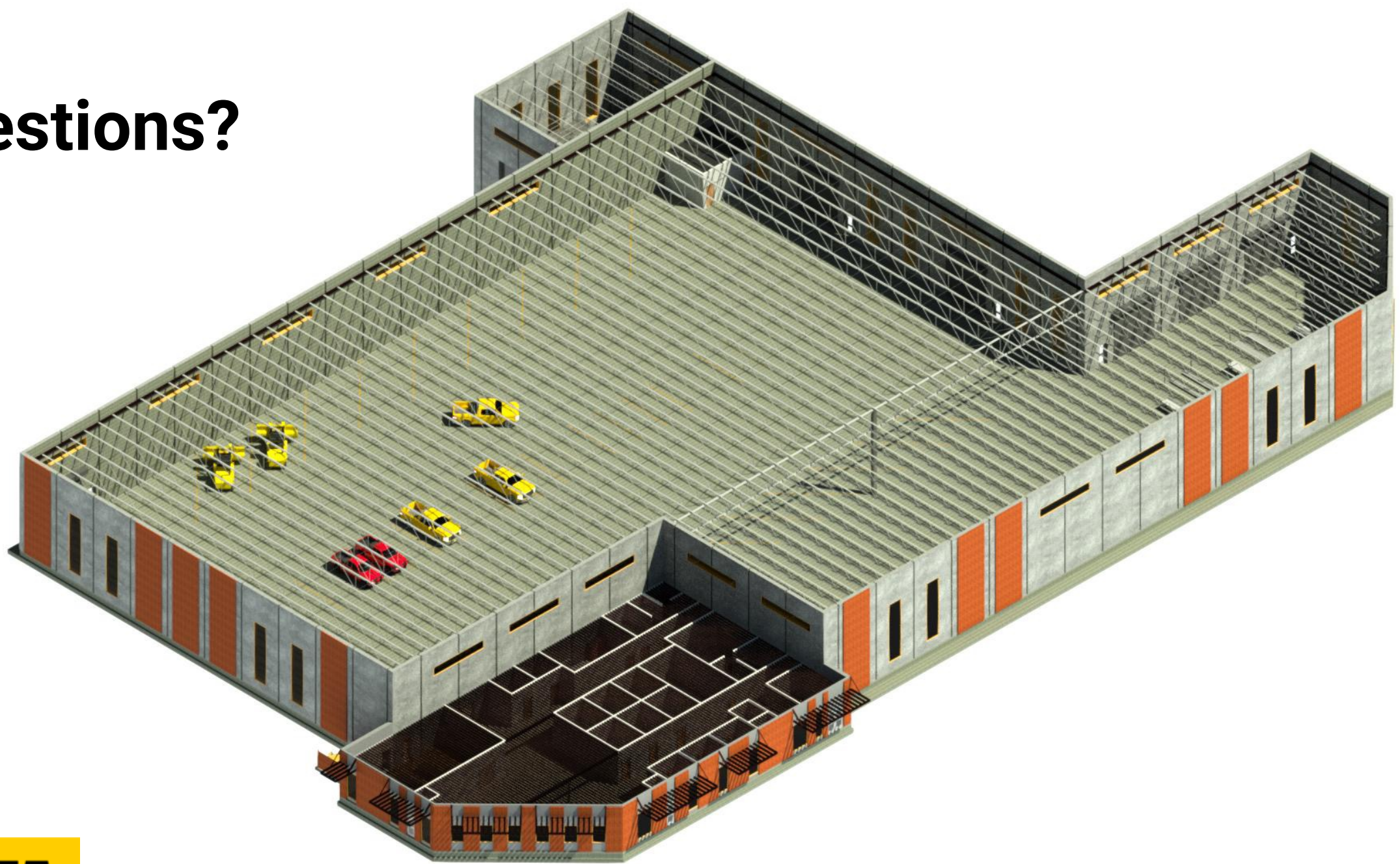


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Construction Cost Estimation

Type	Quantity	Unit	Unit Cost	Total
Cast-In-Place Pedestal	2,622	SF	\$ 9.30	\$ 24,400
Precast Walls	63,410	SF	\$ 19.45	\$ 1,233,500
Stud Walls	14,644	SF	\$ 7.85	\$ 115,000
Cast-In-Place Foundation	91,343	SF	\$ 9.30	\$ 849,500
W12x65	350	LF	\$ 115.50	\$ 40,500
W8x15	28	LF	\$ 35.50	\$ 995
W14x120	209	LF	\$ 202.00	\$ 42,200
W14x22	39	LF	\$ 49.50	\$ 1,925
W14x43	26.5	LF	\$ 78.50	\$ 20,100
925TDJ24-175-97	9450	LF	\$ 5.45	\$ 51,500
96DLH19	103.7	Ton	\$ 3,125.00	\$ 324,000
36LH13	42	Ton	\$ 2,950.00	\$ 124,000
22K11	1.1	Ton	\$ 2,725.00	\$ 2,950
83.75G15N41K	2.2	Ton	\$ 7,350.00	\$ 15,800
Office Architecture and MEP	8860	SF	\$ 275.00	\$ 2,436,500
Warehouse Architecture and MEP	59,559	SF	\$ 175.00	\$ 10,423,000
			Subtotal	\$ 15,706,000
			10% Contingency	\$ 1,570,000
			20% Administration	\$ 3,140,000
			Total Construction Cost	\$ 20,416,000

Questions?



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