

PROJECT ESTIMATE		CONSTRUCTION CONTROL CORPORATION				5/17/2024	
PROJECT NAME.....SLCMAD PHASE TWO							
LOCATION.....SALT LAKE CITY, UT							
ARCHITECT.....MHTN							
STAGE OF DESIGN.....CONSTRUCTION DOCUMENTS							
		SF	19,000	3,600	10,924	250,000	
		Cost/ SF	\$ 300	\$ 617	\$ 220	\$ 17	
CSI #	DESCRIPTION	HANGAR	LAB BUILDING	ABC CAGES	SITE	TOTAL CONST. COST	
BUILDING COST SUMMARY							
02	EXISTING CONDITIONS	\$ -	\$ -	\$ -	\$ 74,762	\$	74,762
03	CONCRETE	\$ 611,634	\$ 112,636	\$ 370,029	\$ -	\$	1,094,298
04	MASONRY	\$ -	\$ 205,840	\$ -	\$ -	\$	205,840
05	METALS	\$ 1,557,194	\$ 181,850	\$ 716,847	\$ -	\$	2,455,892
06	WOODS & PLASTICS	\$ 41,829	\$ 60,382	\$ 32,356	\$ -	\$	134,567
07	THERMAL & MOISTURE PROTECTION	\$ 22,850	\$ 170,616	\$ 464,817	\$ -	\$	658,284
08	DOORS & WINDOWS	\$ 274,962	\$ 63,325	\$ 31,800	\$ -	\$	370,087
09	FINISHES	\$ 431,028	\$ 277,535	\$ 32,772	\$ -	\$	741,335
10	SPECIALTIES	\$ 95,000	\$ 18,000	\$ -	\$ -	\$	113,000
11	EQUIPMENT	\$ 103,500	\$ -	\$ -	\$ -	\$	103,500
12	FURNISHINGS	\$ 1,453	\$ 2,220	\$ -	\$ -	\$	3,673
13	SPECIAL CONSTRUCTION	\$ -	\$ -	\$ -	\$ -	\$	-
14	CONVEYING SYSTEMS	\$ -	\$ -	\$ -	\$ -	\$	-
21	FIRE SUPPRESSION	\$ 123,500	\$ 23,400	\$ -	\$ -	\$	146,900
22	PLUMBING	\$ 36,895	\$ 46,855	\$ -	\$ -	\$	83,750
23	HVAC	\$ 575,678	\$ 296,681	\$ -	\$ -	\$	872,359
26	ELECTRICAL	\$ 394,950	\$ 264,550	\$ 151,098	\$ 805,000	\$	1,615,598
27	COMMUNICATION	\$ 76,000	\$ 36,000	\$ -	\$ -	\$	112,000
28	ELECTRONIC SAFETY & SECURITY	\$ 76,000	\$ 21,600	\$ -	\$ -	\$	97,600
31	EARTHWORK	\$ 308,084	\$ 58,500	\$ 187,418	\$ 646,940	\$	1,200,942
32	EXTERIOR IMPROVEMENTS	\$ -	\$ -	\$ -	\$ 1,173,607	\$	1,173,607
33	UTILITIES	\$ -	\$ -	\$ -	\$ 809,263	\$	809,263
SUBTOTAL		\$ 4,730,556	\$ 1,839,990	\$ 1,987,137	\$ 3,509,572	\$	12,067,256
GENERAL CONDITIONS 8%		\$ 378,445	\$ 147,199	\$ 158,971	\$ 280,766	\$	965,380
BONDS & INSURANCE 2%		\$ 102,180	\$ 39,744	\$ 42,922	\$ 75,807	\$	260,653
OVERHEAD & PROFIT 5.0%		\$ 260,559	\$ 101,347	\$ 109,452	\$ 193,307	\$	664,664
DESIGN CONTINGENCY 5%		\$ 236,528	\$ 92,000	\$ 99,357	\$ 175,479	\$	603,363
TOTAL CONSTRUCTION COST		\$ 5,708,268	\$ 2,220,279	\$ 2,397,839	\$ 4,234,930	\$	14,561,316
Building Permit						\$	120,975
Plan Check Fees						\$	78,634
1% State Permit Fee						\$	1,996
Utility Connection Fees and Impact Fees						\$	-
Furniture Fixtures & Equipment 3.0%						\$	436,839
A/E Fees 6%						\$	873,679
Reimbursables						\$	34,947
Geotechnical						\$	15,000
Commissioning Agent						\$	20,000
Survey						\$	5,000
Owner's Representative Fees - State Contract Rate 3.53%						\$	514,014
Owner's Construction Contingency 5%						\$	728,066
Special Inspections & Testing 0.75%						\$	109,210
TOTAL PROJECT COST						\$	17,499,677
ALTERNATE 01 - SITE PAVING						\$	67,803

BOARD APPROVAL SET
05/20/2024



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NO.	DATE	DESCRIPTION
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ISSUE
BOARD APPROVAL GET

BOARD APPROVAL SET
05/20/2024

05/20/2024

SHEET NAME
COVER SHEET

COVER SHEET

SHEET NUMBER _____

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5/17/2024 5:51:42 PM

ABC CAGE / LARVAL VAULTS - PROJECT DATA

CIVIL RIGHTS
ADA Standards for Accessible Design, 2010

APPLICABLE CODES & STANDARDS
International Building Code, including Appendices C & J (IBC), 2021 ed.
International Mechanical Code (IMC), 2021 ed.
International Plumbing Code (IPC), 2021 ed.
National Electrical Code (NEC), 2020 ed.
International Energy Conservation Code (IECC), 2021 ed.,
ICC/ANSI A117.1, 2017 ed.
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification	U
Separation of Occupancies	No separation required
Construction Type	VB
Sprinkled	No
Building Height	
Allowable Height (Stories/Feet)	2/40
Actual Building Height (Stories/Feet)	1/
Building Area (insert floors as needed)	
1st Floor	5,974
Total	5,974

Allowable Building Area Calculation
Building Perimeter (P) 322
Building Perimeter on 20' min Public Way (F) 219
Width of Public Way or Open Space (W) 20

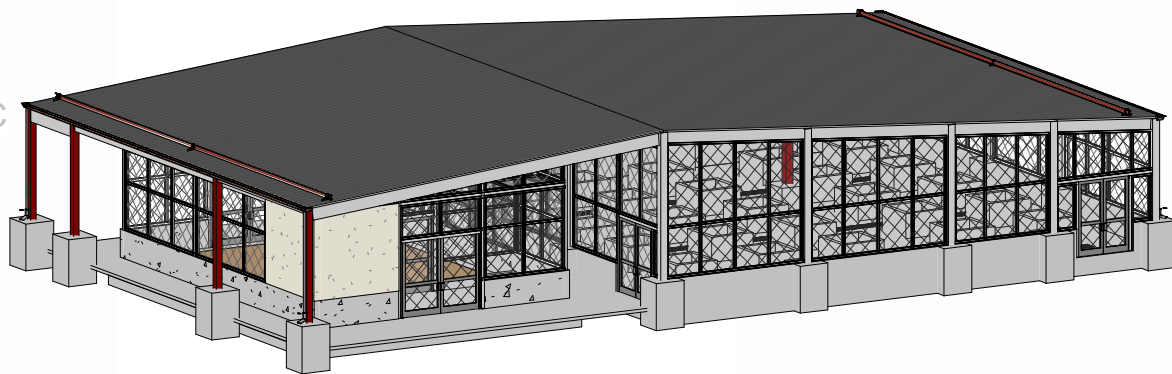
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219/322*20/30

Single Occupancy, One Story
At = 5,500
NS = 5,500
Allowable Area Aa = At + (NS x If) = 7,975

Fire-Resistance Ratings for Building Elements (IBC Table 601)

Construction Type:	VB
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associates Secondary Members	0
Interior Exit Stairway (IBC Sec. 1023)	NA
Exit Access Stairway (IBC Sec. 1019)	NA
Two Story Vertical Openings (IBC Sec. 712.1.9)	NA
Shafts (IBC Sec. 713.4)	NA

Climate Zone: 5



ABC CAGES - PROJECT DATA

CIVIL RIGHTS
ADA Standards for Accessible Design, 2010

APPLICABLE CODES & STANDARDS
International Building Code, including Appendices C & J (IBC), 2021 ed.
International Mechanical Code (IMC), 2021 ed.
International Plumbing Code (IPC), 2021 ed.
National Electrical Code (NEC), 2020 ed.
International Energy Conservation Code (IECC), 2021 ed.,
ICC/ANSI A117.1, 2017 ed.
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification	U
Separation of Occupancies	No separation required
Construction Type	VB
Sprinkled	No
Building Height	
Allowable Height (Stories/Feet)	2/40
Actual Building Height (Stories/Feet)	1/
Building Area (insert floors as needed)	
1st Floor	2,668
Total	2,668

Allowable Building Area Calculation
Building Perimeter (P) 208
Building Perimeter on 20' min Public Way (F) 208
Width of Public Way or Open Space (W) 20

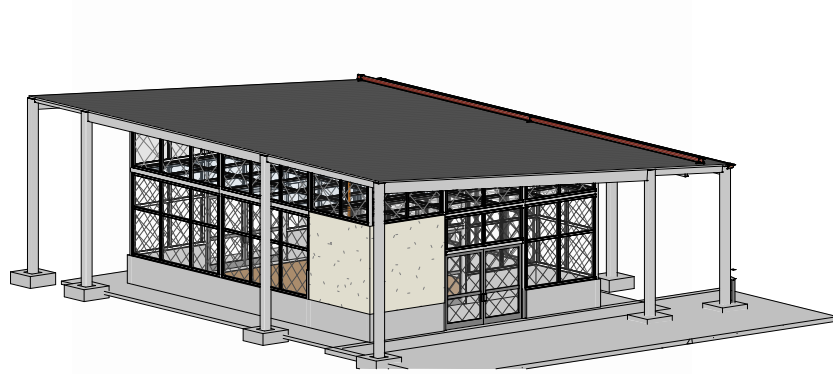
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208/208*20/30

Single Occupancy, One Story
At = 5,500
NS = 5,500
Allowable Area Aa = At + (NS x If) = 9,185

Fire-Resistance Ratings for Building Elements (IBC Table 601)

Construction Type:	VB
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associates Secondary Members	0
Interior Exit Stairway (IBC Sec. 1023)	NA
Exit Access Stairway (IBC Sec. 1019)	NA
Two Story Vertical Openings (IBC Sec. 712.1.9)	NA
Shafts (IBC Sec. 713.4)	NA

Climate Zone: 5



LAB BUILDING PROJECT DATA

CIVIL RIGHTS
ADA Standards for Accessible Design, 2010

APPLICABLE CODES & STANDARDS
International Building Code, including Appendices C & J (IBC), 2021 ed.
International Mechanical Code (IMC), 2021 ed.
International Plumbing Code (IPC), 2021 ed.
National Electrical Code (NEC), 2020 ed.
International Energy Conservation Code (IECC), 2021 ed., Prescriptive
ICC/ANSI A117.1, 2017 ed.
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification	B
Separation of Occupancies	Non-separated
Construction Type	V-B
Sprinkled	Yes
Building Height	
Allowable Height (Stories/Feet)	3/60
Actual Building Height (Stories/Feet)	1/17
Building Area (insert floors as needed)	
1st Floor	3,696
Total	3,696

Allowable Building Area Calculation
Not Applicable (Existing building with no increase in square footage and no change in Occupancy)
Building Perimeter (P) 256
Building Perimeter on 20' min Public Way (F) 180
Width of Public Way or Open Space (W) 30

Frontage Increase If = $(F/P - 0.25)W/30 = .67$

Single Occupancy, One Story
At = 36,000
NS = 9,000
Allowable Area Aa = At + (NS x If) = 40,050

Fire-Resistance Ratings for Building Elements (IBC Table 601)

Construction Type:	VB
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associates Secondary Members	0
Interior Exit Stairway (IBC Sec. 1023)	NA
Exit Access Stairway (IBC Sec. 1019)	NA
Two Story Vertical Openings (IBC Sec. 712.1.9)	NA
Shafts (IBC Sec. 713.4)	NA

Climate Zone: 5



HANGAR PROJECT DATA

CIVIL RIGHTS
ADA Standards for Accessible Design, 2010

APPLICABLE CODES & STANDARDS
International Building Code, including Appendices C & J (IBC), 2021 ed.
International Mechanical Code (IMC), 2021 ed.
International Plumbing Code (IPC), 2021 ed.
National Electrical Code (NEC), 2020 ed.
International Energy Conservation Code (IECC), 2021 ed., Prescriptive
ICC/ANSI A117.1, 2017 ed.
International Fire Code (IFC), 2021 ed.
International Fuel Gas Code (IFGC), 2021 ed.

CRITERIA

Occupancy Classification	S-1, S-2, H-4
Separation of Occupancies	Non-separated H-4/S-2 2-hour B/S-1 No separation required
Construction Type	VB
Sprinkled	Yes
Building Height	
Allowable Height (Stories/Feet)	2/60
Actual Building Height (Stories/Feet)	1/39
Building Area (insert floors as needed)	
1st Floor	19,000
Total	19,000

Allowable Building Area Calculation
Building Perimeter (P) 580
Building Perimeter on 20' min Public Way (F) 563
Width of Public Way or Open Space (W) x

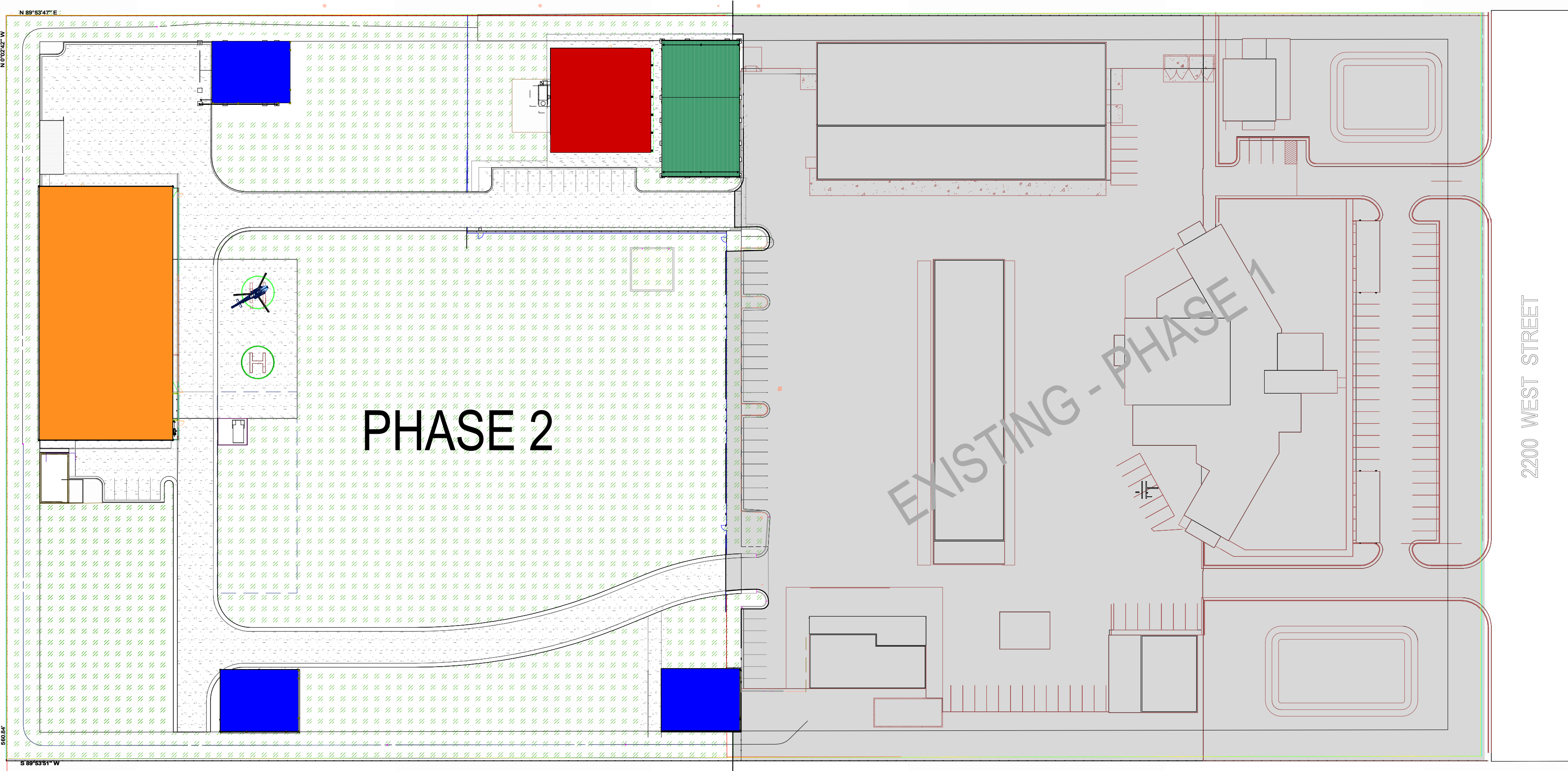
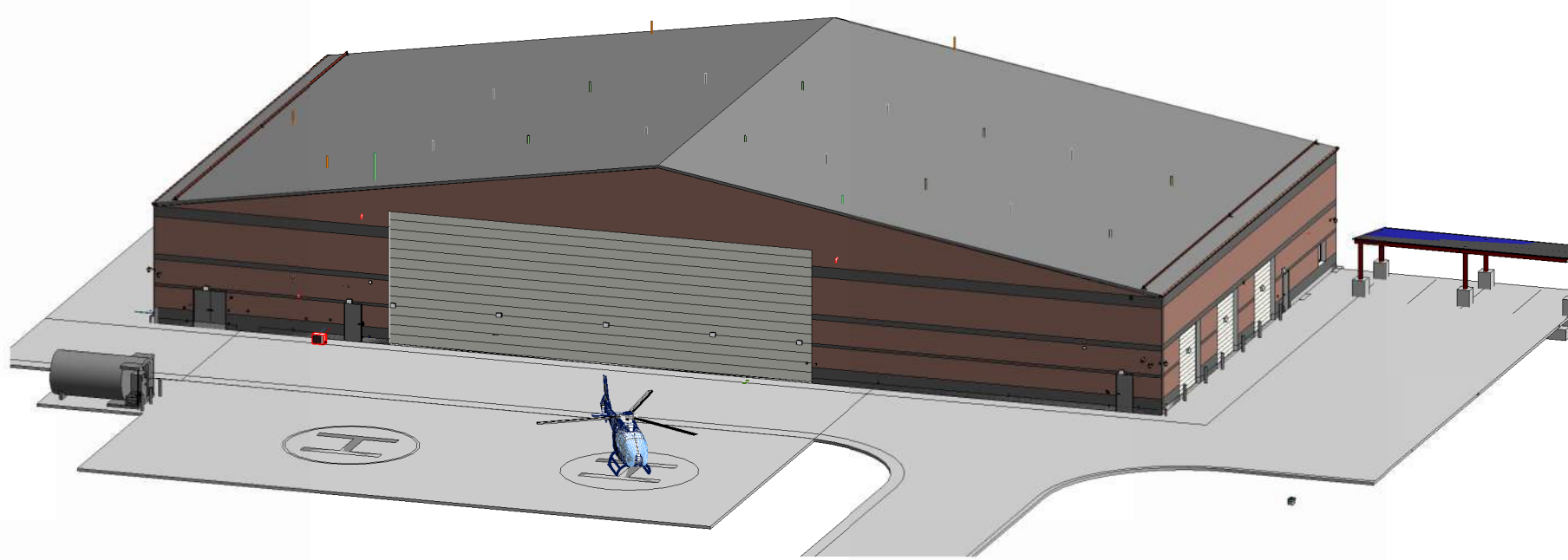
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Single Occupancy, One Story
At = 36,000
NS = 9,000
Allowable Area Aa = At + (NS x If) = 36,000 + (9,000x.60) = 41,400

Fire-Resistance Ratings for Building Elements (IBC Table 601)

Construction Type:	VB
Primary Structural Frame	0
Exterior Bearing Walls	0
Interior Bearing Walls	0
Exterior Non-Bearing Walls	0
Interior Non-Bearing Walls	0
Floor Construction & Associated Secondary Members	0
Roof Construction & Associates Secondary Members	0
Interior Exit Stairway (IBC Sec. 1023)	NA
Exit Access Stairway (IBC Sec. 1019)	NA
Two Story Vertical Openings (IBC Sec. 712.1.9)	NA
Shafts (IBC Sec. 713.4)	NA

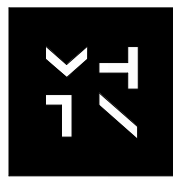
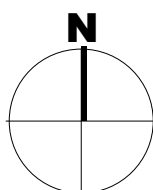
Climate Zone: 5



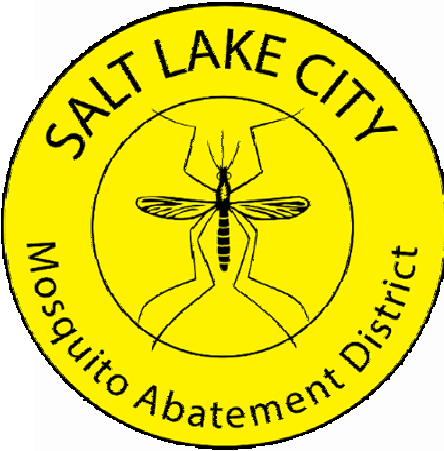
ARCHITECTURAL SITE PLAN KEY

SCALE: 1" = 60'-0"

0 30' 0" 60'-0" 120'-0"



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SEAL

MHTN PROJECT NO. 2023546

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LAST REVISION DATE

NO. DATE DESCRIPTION

ISSUE

BOARD APPROVAL SET

05/20/2024

SHEET NAME

CODE ANALYSIS

SHEET NUMBER

G100