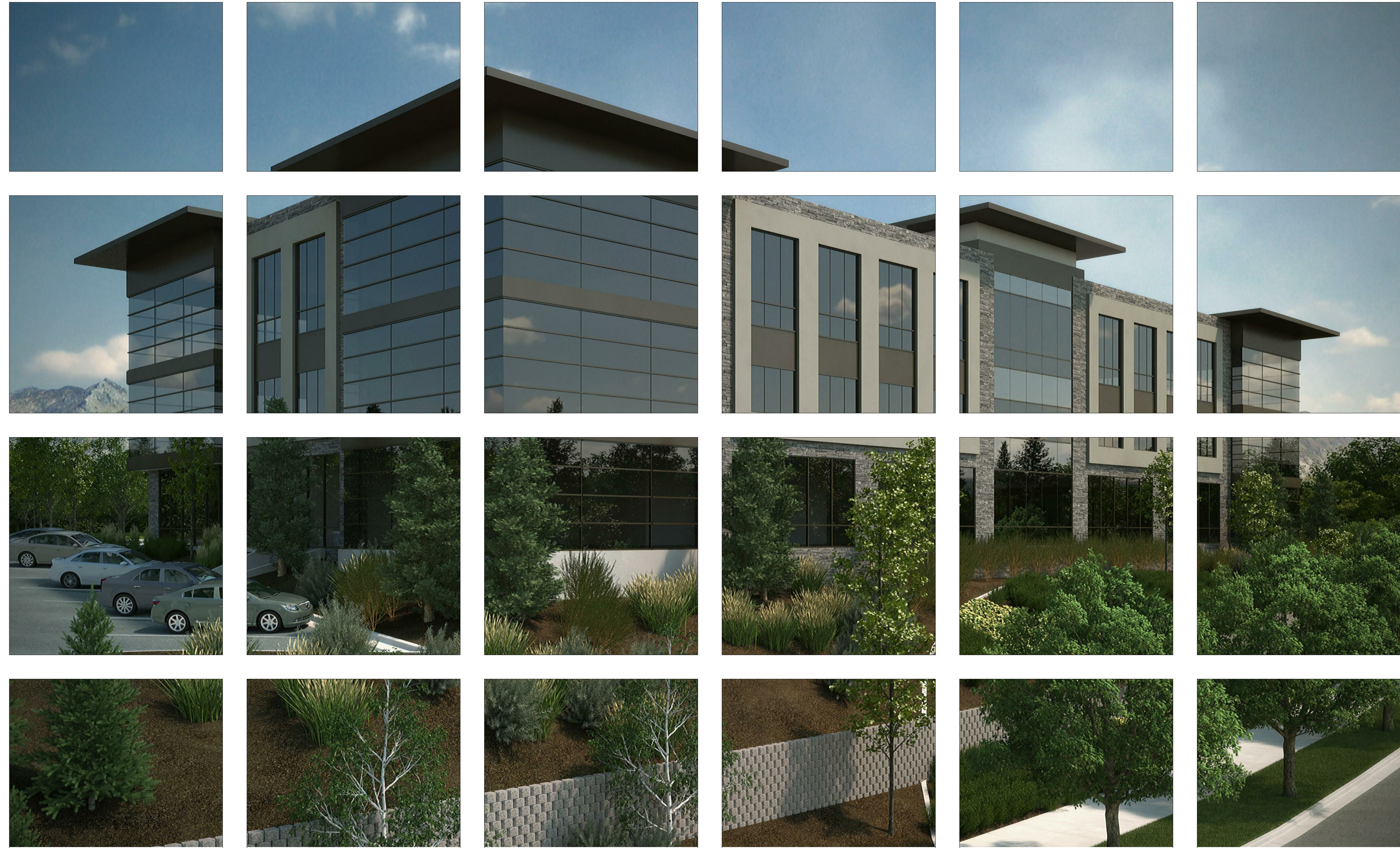


SUMITOMO DAINIPPON PHARMA

3900 TRAVERSE MOUNTAIN BLVD, SUITE 100, LEHI, UTAH 84043



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7/27/2021 12:25 PM 21660 SUMITOMO DAINIPPON PHARMA PERMIT & BID SET

PERMIT & BID SET
JULY 27, 2021

ABBREVIATIONS

NOT ALL ABBREVIATIONS MAY BE USED

Table of abbreviations for building materials and construction terms. Columns include symbols (e.g., E, EA, EIFS) and their corresponding full names (e.g., EAST, EACH, EXTERIOR INSULATION SYSTEM).

GENERAL NOTES

- 1. IT IS THE CONTRACTORS RESPONSIBILITY TO REVIEW AND COORDINATE THE WORK OF ALL SUB-CONTRACTORS, TRADES AND SUPPLIERS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS BEFORE COMMENCING CONSTRUCTION...

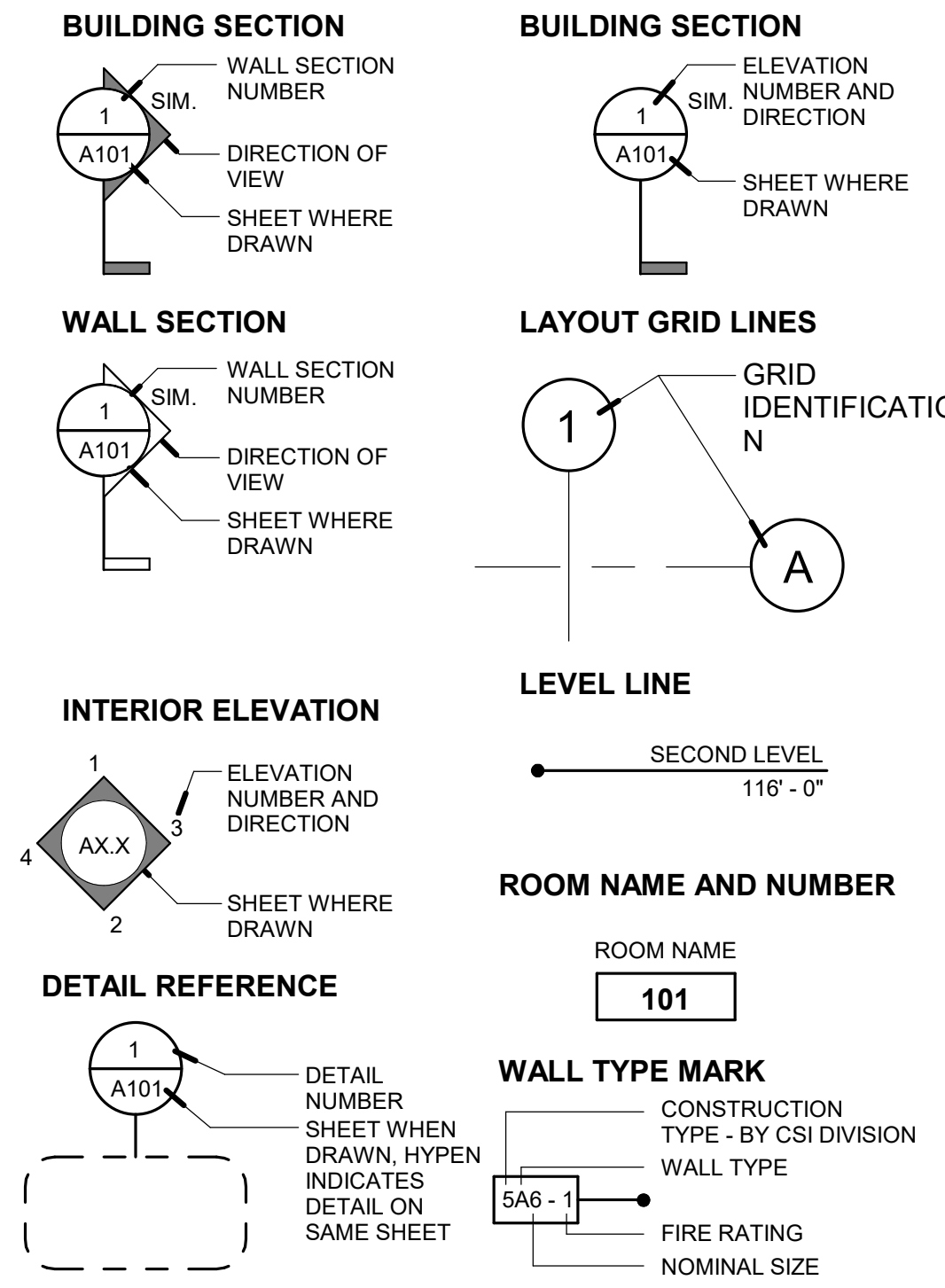
SHEET INDEX

Table mapping sheet numbers (e.g., G001, G101) to sheet names (e.g., COVER, GENERAL INFORMATION, RATED WALL, etc.).

PROJECT TEAM

Table listing project team members: Building Owner, Mechanical Engineer, Tenant, Electrical Engineer, Architect, and Lab Specialists, with their respective companies and contact information.

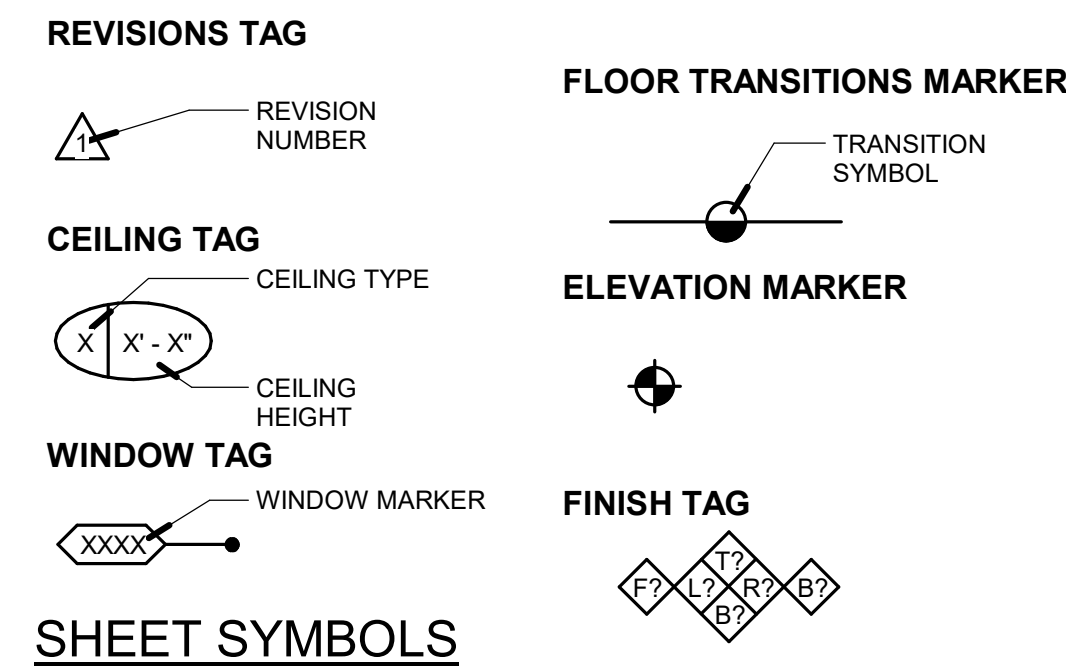
REFERENCE SYMBOL LEGEND



UTILITY CONTACTS

Table listing utility contacts for Power, Water, Natural Gas, and Telephone, including company names and contact details.

DRAWING TAGS



SHEET SYMBOLS



DEFERRED SUBMITTALS

CONTRACTOR IS RESPONSIBLE TO SUBMIT DEFERRED SUBMITTALS IN ACCORDANCE WITH IBC 107.3.4.1. AS PART OF THE SUBMITTAL PROCESS, THE CONTRACTOR IS TO SUBMIT ALL ICC-ES REPORTS FOR ITEMS NOTED.

NOTES TO BIDDERS

- 1. THIS SHEET CONTAINS A LIST OF DRAWINGS WHICH COMPRISE A FULL SET OF DRAWINGS FOR THIS PROJECT. ANY CONTRACTOR, SUBCONTRACTOR, VENDOR OR ANY OTHER PERSON PARTICIPATING IN OR BIDDING ON THIS PROJECT SHALL BE RESPONSIBLE FOR THE INFORMATION CONTAINED IN ANY AND ALL SHEETS OF DRAWINGS AND SPECIFICATIONS...

VICINITY MAP



524 SOUTH 600 EAST
SALT LAKE CITY, UT 84102



Revision table with columns: REV, DATE, DESCRIPTION. Includes VCBO NUMBER: 21560 and CLIENT NUMBER: 21560.

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GENERAL INFORMATION AND INDEX

G001

DESIGN DATA

PROJECT DESCRIPTION:

SDP IS AN OFFICE WITH A SMALL RESEARCH FACILITY. THE PROJECT WILL BE A REMODEL CONSISTING OF CHANGING (1) LAB CONTROL AREA INTO (3) CONTROL AREAS. THE MAIN OBJECT OF THE PROJECT IS TO ENLARGE THE LAB SPACE AND TO INSTALL A LARGE REFRIGERATED ROOM (COLD ROOM) INTO AN EXISTING EXISTING EQUIPMENT ROOM. TO DO THIS THEY WILL ELIMINATE AN OFFICE, A CONFERENCE ROOM, A SMALL FLUORO AND STORAGE ROOM. THE REMOVAL OF THESE (4) ROOMS WILL ENABLE (3) ROOMS TO BE ENLARGED.

ROOM 005 LABELED IHC/NANOSTRUNG HAS OVERTIME HAS CHANGED FROM A STORAGE ROOM INTO LAB SPACE. UPGRADES ARE BEING MADE TO BRING IT UP TO CODE.

BECAUSE OF THE INCREASE OF TOXIC CHEMICALS THE LAB WILL CHANGE FROM (1) CONTROL AREA TO (3) CONTROL AREAS. SEE SHEET G101 FOR CONTROL AREA LOCATIONS AND SF.

THE PREVIOUS LAB 2/PROCEDURE ROOM WILL CHANGE FROM 332 SF TO 511 SF.

THE EQUIPMENT ROOM WILL CHANGE FROM 241 SF TO 372 SF.

THE RESEARCH LAB CLASSIFICATION IS ANIMAL BIOSAFETY LEVEL 2 ABL-2.

GOVERNING BUILDING CODES:

IBC 2018, IPC 2018, IMC 2018, IFGC 2015, NEC 2014, ANSI 117-1 2009, IFC 2018, GUIDE FOR THE CARE & USE OF LABORATORY ANIMALS 8TH EDITION

OCCUPANCY TYPE - (CH.3)

-BUSINESS GROUP B (304) WITH LABORATORY: TESTING & RESEARCH -OCCUPANCY TYPE B AS A CONTROL AREA(S). CHEMICAL QUANTITIES WILL BE BELOW LEVELS SET FORTH IN TABLE 414.2.5(1).

CONSTRUCTION TYPE: PER TABLE 503: II-B

FIRE RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (TABLE 601)

- STRUCTURAL FRAME (INCLUDES COL, GIRDERS, TRUSSES) - 0 HOUR

- BEARING WALLS EXTERIOR - 0 HOUR INTERIOR - 0 HOUR

- NON-BEARING WALLS AND PARTITIONS (INTERIOR) - 0 HOUR

- FLOOR CONSTRUCTION INCLUDING BEAMS AND JOISTS (DESIGN NO. N708) - 0 HOUR

- ROOF CONSTRUCTION INCLUDING BEAMS AND JOISTS (DESIGN NO. P701) - 0 HOUR

*CONTROL AREA 1 HOUR BARRIER 1 HOUR FIRE RESISTIVE BETWEEN CEILING (2) HOUR FLOOR. WE ARE SLAB ON GRADE + PER SECTION 414.2.4 CAN BE 1 -HR WITH FULLY SPRINKLERED BLDG AND 3 OR FEWER STORIES]

* EXIT DISCHARGE LEVEL 1 - 1 HOUR

AUTOMATIC SPRINKLER SYSTEM, 903.1 - YES

SEPARATED OCCUPANCY OCCUPANCY B, 1 HR SEPARATION @ CONTROL AREAS

DESIGN OCCUPANCY LOAD - B - 20,932 SF @ 100 OCC PER SF/ 209 OCC TOTAL 209 OCCUPANTS

EGRESS WIDTH FOR OCCUPANCY SERVED PER 1005 - STAIRS 0.3 IN / OCC., OTHER 0.2 IN / OCC.

MAIN LEVEL- 209 OCCS. x 0.2 = 41.8" REQUIRED CORRIDOR WIDTH PROVIDED: 72" (NOT INCL. MECH. RM. EXIT DOORS)

EXIT ACCESS - (CH. 10)

2 EXITS REQUIRED - (CH. 1015.1) - WHERE THE OCCUPANCY LOAD TOTALS MORE THAN 49 - WHERE ALLOWABLE TRAVEL DIST. IS EXCEEDED. - PLACE FAR ENOUGH APART - NOT LESS THAN 1/2 MAXIMUM DIAGONAL DIMENSION OF AREA SERVED (MEASURED STRAIGHT LINE BETWEEN EXITS)

THROUGH INTERVENING SPACES (1014.2) - PERMITTED WHERE ADJOINING ROOMS OR AREAS ACCESSORY TO THE AREAS SERVED, IS NOT HIGH HAZARD OCCUPANCY, AND PROVIDE A DISCERNIBLE PATH OF EGRESS TRAVEL TO AN EXIT.

DISTANCE: (TABLE 1016.2) - WITH SPRINKLER SYSTEM - 300' MAXIMUM LENGTH OF EXIT ACCESS TRAVEL

COMMON PATH OF EGRESS TRAVEL - (CH. 1014.3) - UNTIL 2 EXITS BECOME OBVIOUS) B- OCCUPANCY 100'

CORRIDOR FIRE RESISTANCE RATING (TABLE 1018.1) - WITHOUT SPRINKLER SYSTEM - 1 HOUR FIRE RATED CONSTRUCTION WITH AN OCCUPANT LOAD OF ≥ 30 - WITH SPRINKLER SYSTEM - X HOUR FIRE RATED CONSTRUCTION

DEAD ENDS (1018.4) - MUST BE LESS THAN 20' WHERE MORE THAN ONE EXIT IS REQUIRED; - OR 50' IN SPRINKLERED BUILDING (EXCEPTION 2) - OR THE LENGTH IS 2.5 TIMES THE WIDTH (EXCEPTION 3)

INTERIOR WALL & CEILING FINISH REQUIREMENTS - (CH. 8 TABLE 803.9) (IN SPRINKLERED BUILDING) - EXIT ENCLOSURES AND EXIT PASSAGEWAYS - CLASS B - CORRIDORS AND OTHER EXIT WAYS - CLASS C - ROOMS AND ENCLOSED SPACES - CLASS C - INTERIOR FLOORS FINISH - (PER 804)

LAB:

B OCCUPANCY

307.1(1) Table 307.1 Maximum allowable quantities per control area of hazardous Materials posing a physical hazard. See Specification Section Appendix A and C for chemical types & quantities.

414.2 Control Areas shall comply with IBC 414.2.1 through 414.2.5 & International Fire Code

414.2 Control Areas shall be separated from each other by fire barriers per IBC section 707 or 711

414.2.2 Number of Controls areas allowed per this level- 4.

414.2 The fire-resistance rating for fire barriers shall be in accordance with IBC Table 414.2.2. The floor area of control area shall have a fire-resistance rating of not less than 2 hours. This project is 1 hour, floor level 1. Maximum allowable quantity per control area 100 % - per table 307.1 (1) & 307.1(2). Number of controlled areas per floor 4, we have 2.

See Specifications Appendix B for Lab/Chemical Hygiene, Appendix D for Animal Information and Appendix E for Lab Waste Stream.

All gas needed will be by a vacuum pump and will be portable.

Emergency equipment will be comprised of: fire extinguishers - part of project, spill and first aid kits- both provided by tenant. Safety manual will be located by chemical hood.

No chemicals will be neutralized to go down sink they will be picked up by waste disposal service.

Chemical Quantities Not to be exceeded in each Control Area,

Note: Building is fully sprinklered throughout with an automatic sprinkler system in accordance with Section 903.1.1

Table with columns: Material, Class, Storage (Solid lbs, Liquid gallons, Gas - Cubic Feet), Use Closed Systems (Solid lbs, Liquid gallons, Gas - Cubic Feet), Use-Open Systems (Solid lbs, Liquid gallons). Rows include Combustible Dust, Combustible Fiber, Combustible Liquid, Cryogenic Flammable, Cryogenic Inert, Cryogenic Oxidizing, Explosives, Flammable gas, Flammable liquid, Flammable liquid, combination (IA, IB, IC), Flammable solid, Inert gas, Organic peroxide, Oxidizer, Oxidizing gas, Pyrophoric, Unstable (reactive), Water reactive, Corrosives, Highly Toxic, Toxic.

*All materials will be stored in approved storage cabinets, gas cabinets, exhausted enclosures or in listed safety cans as specified by the International Fire Code.

**Allowed only where stored in approved exhausted gas cabinets or exhausted enclosures as specified in the International Fire Code

**SDP will remain below these quantities per control area



REV DATE DESCRIPTION

VCBO NUMBER: 21560 CLIENT NUMBER: DATE: JULY 27, 2021

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GENERAL INFORMATION

G002

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FIRE RATING LEGEND

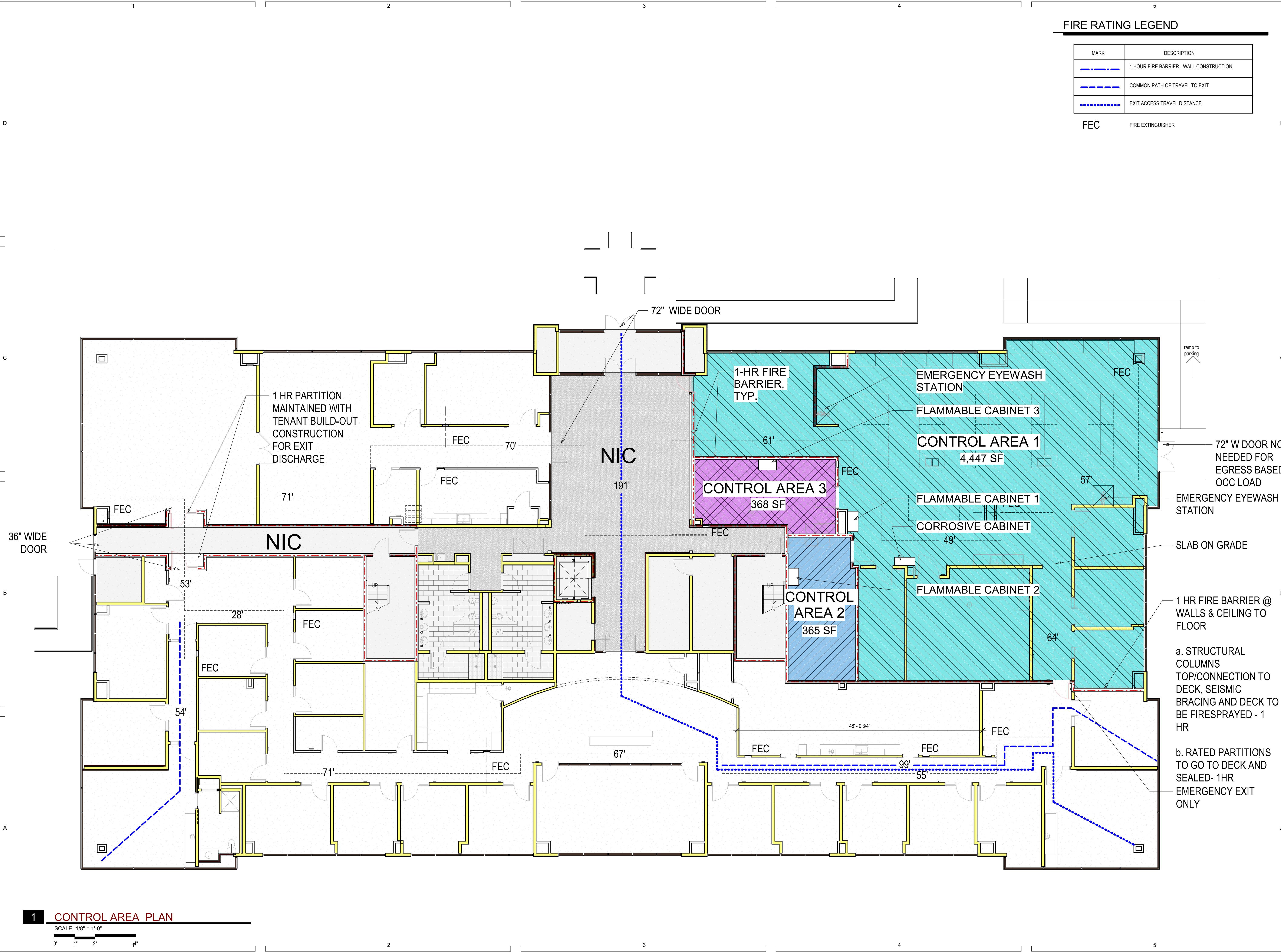
MARK	DESCRIPTION
	1 HOUR FIRE BARRIER - WALL CONSTRUCTION
	COMMON PATH OF TRAVEL TO EXIT
	EXIT ACCESS TRAVEL DISTANCE

FEC FIRE EXTINGUISHER



REV	DATE	DESCRIPTION

VCBO NUMBER: 21560
CLIENT NUMBER:
DATE: JULY 27, 2021



72" W DOOR NOT NEEDED FOR EGRESS BASED ON OCC LOAD

EMERGENCY EYEWASH STATION

SLAB ON GRADE

1 HR FIRE BARRIER @ WALLS & CEILING TO FLOOR

a. STRUCTURAL COLUMNS TOP/CONNECTION TO DECK, SEISMIC BRACING AND DECK TO BE FIRESPRAYED - 1 HR

b. RATED PARTITIONS TO GO TO DECK AND SEALED- 1HR EMERGENCY EXIT ONLY

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RATED WALL, FEC & EGRESS & RESEARCH LAB PLAN

G101

1 CONTROL AREA PLAN

