ABBREVIATIONS

@	AT
CL	CENTERLINE
PL	PROPERTY LINE
Ø	DIAMETER
#	POUND OR NUMBER
(E)	EXISTING
(N)	NEW
AB	ANCHOR BOLT
ABV	ABOVE
ACC	ACCESS
ACOUS	ACOUSTICAL
ACP	ASPHALT CONCRETE PAVING
ACS	ACCESS PANEL
ACT	ACOUSTICAL TILE
AD	AREA DRAIN
ADA	AMERICANS with DISABILITIES
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AIB	AIR INFILTRATION BARRIER
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
ASPH	ASPHALT
AUTO	AUTOMATIC
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF...
BOT	BOTTOM
BRG	BEARING
BSMT	BASEMENT
BUR	BUILT UP ROOFING
CAB	CABINET
CB	CATCH BASIN
CEM	CEMENT
CER	CERAMIC
CIP	CAST-IN-PLACE
CJ	CONTROL JOINT
CLG	CEILING
CLK	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET; CARPETED
CRS	COLD ROLLED STEEL
CSK	COUNTERSUNK
CT	CERAMIC TILE
CTR	CENTER
CU FT	CUBIC FEET
DBL	DOUBLE
DEMO	DEMOLITION
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DL	DEAD LOAD
DN	DOWN
DR	DOOR
DR OPNG	DOOR OPENING
DS	DOWNSPOUT
DSP	DRY STANDPIPE
DT	DRAIN TILE
DW	DISHWASHER
DWG	DRAWING
E	EAST
EA	EACH
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EST	ESTIMATE
EW	EACH WAY
EXH FN	EXHAUST FAN
EXIST	EXISTING
EXP	EXPANDED; EXPANSION
EXP BT	EXPANSION BOLT
EXPO	EXPOSED
EXT	EXTERIOR
FA	FIRE ALARM
FB	FLAT BAR
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FF EL	FINISH FLOOR ELEVATION
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FIN FLR	FINISH FLOOR
FF	FINISH TO FINISH
FIN	FINISH
FLASH	FLASHING
FLR	FLOOR; FLOORING
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOIC	FURNISHED BY OWNER - INSTALLED BY CONTRACTOR
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FP	FIREPROOF
FPL	FIREPLACE
FR	FRAME
FT	FOOR OR FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
FW	FULL WIDTH
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS
GLAM	GLUE-LAMINATED
GR	GRADE
GWB	GYPSUM WALL BOARD
HB	HOSE BIBB
HC	HOLLOW CORE
HDO	HIGH DENSITY OVERLAY
HDR	HEADER
HDWD	HARDWOOD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HT	HEIGHT
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HW	HOT WATER
HWT	HOT WATER TANK
ID	INSIDE DIAMETER
IN	INCH
INCL	INCLUDED
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
JB	JUNCTION BOX
JF	JOINT FILLER
JT	JOINT
KIT	KITCHEN
KO	KNOCKOUT
LAM	LAMINATE, LAMINATED
LAV	LAVATORY
LBS	POUNDS
LF	LINEAR FOOT (FEET)
LH	LEFT HAND
LL	LIVE LOAD
LOC	LOCATION
LP	LOW POINT
LT	LIGHT
LVL	LEVEL
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAY
MECH	MECHANICAL
MEMB	MEMBRANE
MEZZ	MEZZANINE
MFR	MANUFACTURER
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MO	MASONRY OPENING
MTD	MOUNTED
MTL	METAL
MUL	MULLION
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NR	NOISE REDUCTION
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OD	OUTSIDE DIAMETER
	OVERFLOW DRAIN
OFF	OFFICE
OH	OVERHEAD
OHWM	ORDINARY HIGH WATER MARK
OPNG	OPENING
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
PBD	PARTICLE BOARD
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATED
PERP	PERPENDICULAR
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLWD	PLYWOOD
PNL	PANEL
PNT	POINT
PR	PAIR
PRCST	PRECAST
PSF	POUNDS PER CUBIC FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESERVATIVE TREATED
PTN	PARTITION
PVC	POLYVINYL CHLORIDE
R	RISER
RA	RETURN AIR
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED
REM	REMAINDER
REQ	REQUIRED
RESIL	RESILIENT
REV	REVISION; REVISIONS; REVISED
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
S	SOUTH
SAF	SELF-ADHERED FLASHING
SAM	SELF-ADHERED MEMBRANE
SC	SOLID CORE
SCHED	SCHEDULE
SD	SMOKE DETECTOR
SECT	SECTION
SG	SAFETY GLASS
SHV	SHELF; SHELVING
SHR	SHOWER
SHT	SHEET
SHT MTL	SHEET METAL
SHTG	SHEATHING
SIM	SIMILAR
SOG	SLAB ON GRADE
SPEC	SPECIFICATION
SQ FT	SQUARE FOOT (FEET)
SQ IN	SQUARE INCH(ES)
SST	STAINLESS STEEL
STD	STANDARD
STL	STEEL
ST	STONE
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
T	TREAD
T&G	TONGUE AND GROOVE
TEL	TELEPHONE
TER	TERRAZZO
TG	TEMPERED GLASS
THK	THICK
TO	TOP OF...
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE; CURB
TOF	TOP OF FLOOR; FOOTING; FRAME
TOM	TOP OF MASONRY
TOP	TOP OF PARAPET; PAVEMENT
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB; STEEL
TOW	TOP OF WALL
TS	TUBE STEEL
TSTAT	THERMOSTAT
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VEN	VENEER
VERT	VERTICAL
VEST	VESTIBULE
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VT	VINYLT TILE
W	WEST
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WF BM	WIDE FLANGE BEAM
WG	WIRED GLASS
WH	WATER HEATER
WL	WATER LINE
WLD	WELDED
WP	WATERPROOF
WPM	WATERPROOF MEMBRANE
WR	WATER RESISTANT
WSCT	WAINSCOT
WSG	WIRE SAFETY GLASS
WTR	WATER
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
WT	WEIGHT

SYMBOLS LEGEND

1. GRID LINE REFERENCE — 1, A
2. ROOM REFERENCE — GARAGE (ROOM NAME), G101 (ROOM NUMBER), 320 SF
3. DOOR REFERENCE — 100.1 (REFERENCE DOOR SCHEDULE)
4. WINDOW / SKYLIGHT REFERENCE — A
5. ELEVATION / DATUM REFERENCE — ELEV. 0.00, TO
6. EXTERIOR ELEVATION — 1 (DRAWING NUMBER), A3.00 (SHEET NUMBER)
7. BUILDING SECTION — 4 (DRAWING NUMBER), A4.00 (SHEET NUMBER)
8. WALL SECTION — 4 (DRAWING NUMBER), A4.10 (SHEET NUMBER)
9. INTERIOR ELEVATION — 1, 2, 3, 4, AX.XX (DRAWING NUMBER, SHEET NUMBER)
10. DETAIL REFERENCE — XX (DRAWING NUMBER), AX.XX (SHEET NUMBER)
11. ASSEMBLY REFERENCE — XX
12. NORTH SYMBOL — N
13. REVISION REFERENCE — 1, 2

REFERENCE CONSTRUCTION MEMO ISSUING REVISION.
ONLY MOST RECENT REVISION SHOWN CLOUDED. REFERENCE FOR PREVIOUS REVISIONS REMAIN.
DATE OF REVISIONS INDICATED AT RIGHT MARGINS.

MATERIALS LEGEND

WOOD BLOCKING SHIM	WOOD FRAMING (CONTINUOUS)
FINISHED WOOD	PLYWOOD
BATT INSULATION	RIGID INSULATION
MINERAL INSULATION	FOAMED IN PLACE INSULATION
GRAVEL	EARTH
STEEL	ALUMINUM
CMU	BRICK
STONE	CONCRETE

ZONING / TOWER CODE SUMMARY

PROJECT ADDRESS:
9300 MARSAC AVE
DEER VALLEY, UTAH

APPLICABLE CODES:
INTERNATIONAL TOWER CODE, 2018 EDITION
UNIFORM PLUMBING CODE, 2018 EDITION
INTERNATIONAL MECHANICAL CODE, 2018 EDITION
INTERNATIONAL FUEL GAS CODE, 2018 EDITION
NATIONAL ELECTRICAL CODE, 2017 EDITION
INTERNATION ENERGY CONSERVATION CODE, 2012 EDITION
SAFETY CODE FOR ELEVATORS AND ESCALATORS, 2004 EDITION WITH 2005 ADDENDA
INTERNATIONAL SWIMMING POOL AND SPA CODE, 2018 EDITION
WILDLAND URBAN INTERFACE CODE 2018 EDITION
ICC ANSI117.1 (2009), FAIR HOUSING ACT (FHA) SAFE HARBOR
2010 ADA STANDARDS

AUTHORITY HAVING JURISDICTION:
PARK CITY PLANNING COMMISSION

LOT SIZE:
6.9 ACRES

LAND USE DESIGNATION:
LOT B2E WITHIN THE FLAGSTAFF DEVELOPMENT AGREEMENT

PROJECT DESCRIPTION:
THE PROJECT IS COMPRISED OF THREE MULTIFAMILY CONDOMINIUM TOWERS (A, B, AND C) ON A SHARED PODIUM WITH AMENITY SPACES AND UNDERGROUND PARKING.

TOWER A CONSISTS OF 6 STORIES ABOVE GRADE AND 2 LEVELS BELOW. BELOW-GRADE USES INCLUDE RESIDENT-ONLY AMENITY SPACE (BOWLING ALLEY), EMPLOYEE BREAK ROOM, MECHANICAL SPACES, AND PARKING. LEVEL 1 USES INCLUDE A PUBLICLY ACCESSIBLE RESTAURANT, FITNESS/SPA/LOCKER ROOMS, AND LOBBY. LEVELS 2 AND ABOVE ARE RESIDENTIAL.

TOWER B CONSISTS OF 7 STORIES ABOVE GRADE AND 3 LEVELS BELOW. BELOW-GRADE USES INCLUDE RESIDENT-ONLY AMENITY SPACES, MECHANICAL SPACES, AND PARKING. LEVEL 1 USES INCLUDE A RESIDENTS-ONLY SKI LOUNGE, SKI VALET, AND A RESIDENTS-ONLY BUSINESS CENTER. LEVELS 2 AND ABOVE ARE RESIDENTIAL.

TOWER C CONSISTS OF 8 LEVELS ABOVE GRADE AND 1 LEVEL PARTIALLY BELOW. BELOW-GRADE USES INCLUDE RESIDENT-ONLY AMENITY SPACES, MECHANICAL SPACES, AND PARKING. LEVEL 1 USES INCLUDE A RESIDENTS-ONLY LOUNGE, AND MECHANICAL SPACES. LEVELS 2 AND ABOVE ARE RESIDENTIAL.

THE PROJECT INCLUDES 57 TOTAL CONDOMINIUM UNITS, INCLUDING 6 AFFORDABLE UNITS AND 2 TYPE A ACCESSIBLE UNITS.

ALLOWABLE AREA
RESIDENTIAL: MAXIMUM OF 162,000 SF
RESIDENTIAL: MAXIMUM OF 3,600 SF
OTHER USES: NO LIMIT

PENTHOUSE RESTRICTIONS PER CUP:
GROSS FLOOR AREA ("GFA") CAP OF 7,000 SF FOR THE TOPMOST FLOOR OF TOWERS A & C, AND 11,500 SF FOR TOWER B

ALLOWED HEIGHT	BENCHMARK	LOCATION	MAX HEIGHT PER TOWER
TOWER A: 82'	8,345'	ENTRY LOBBY	8,427
TOWER B: 94'	8,362'	SKI LOBBY / AMENITY LEVEL	8,456'
TOWER C: 106'	8,376'-6"	SKI LOBBY / AMENITY LEVEL	8,482'-6"

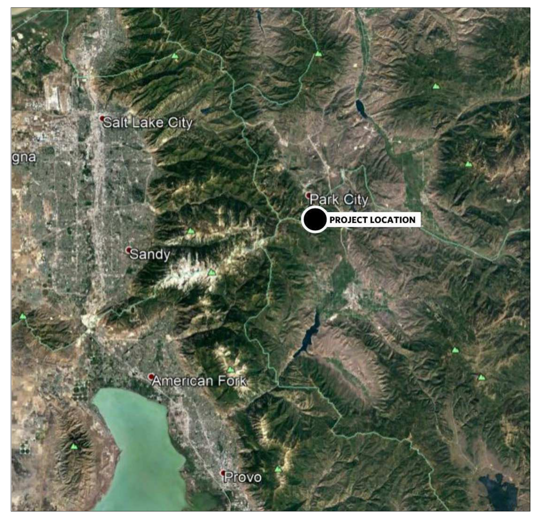
A 3 FT ALLOWANCE OVER THE ALLOWED HEIGHT LIMIT IS GRANTED FOR APPURTENANCES.

YARD SETBACKS:
SIDE: 12'
REAR: 15'

ENERGY CODE COMPLIANCE:
2018 IECC WITH REFERENCE TO ASHRAE 90.1-2016

VICINITY MAP

NOT TO SCALE



LOCATION MAP

NOT TO SCALE

GENERAL NOTES

1. CODES: ALL WORK SHALL CONFORM APPLICABLE LAND USE AND BUILDING CODES AS AMENDED BY AUTHORITIES HAVING JURISDICTION.
2. DO NOT SCALE DIMENSIONS FROM DRAWINGS. USE CALCULATED DIMENSIONS ONLY. NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS EXIST.
3. CONTRACTOR SHALL VERIFY ALL CONDITIONS PRIOR TO INITIATING THE WORK. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
4. VERIFY ALL ROUGH-IN DIMENSIONS FOR EQUIPMENT. PROVIDE ALL BUCK-OUT, BLOCKING, BACKING, AND JACKS REQUIRED FOR INSTALLATIONS.
5. DIMENSIONS ARE TO EXTERIOR FACE OF CONCRETE / WOOD FRAMING UNLESS OTHERWISE NOTED.

Parking Schedule

Mark	Comments
PARKING LEVEL 2	
P2-04	
P2-05	
P2-06	
P2-07	
P2-08	
P2-09	
P2-10	
P2-11	
P2-12	
P2-13	
P2-14	
P2-15	
P2-16	
P2-17	
P2-18	
P2-19	
P2-20	
P2-21	ADA STALL
P2-22	
P2-23	
P2-24	
P2-25	
P2-26	
P2-27	
P2-28	
P2-29	
P2-30	
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P2-64	
P2-65	
P2-66	
P2-67	
P2-68	
P2-69	
P2-70	
P2-71	
P2-72	ADA VAN STALL
P2-73	ADA STALL
P2-74	
P2-75	
P2-76	
P2-77	
P2-78	
P2-79	
PARKING LEVEL 2A	
P2-01	
P2-02	
P2-03	ADA STALL
P2-80	
P2-81	
P2-82	
P2-83	

Parking Schedule

Mark	Comments
P2-84	
P2-85	
P2-86	
TOWER B - LEVEL P1	
P1-01	
P1-02	
P1-03	
P1-04	
P1-05	
P1-06	
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P1-52	
P1-53	
P1-54	
P1-55	
P1-56	
P1-57	
P1-58	
P1-59	ADA VAN STALL
TOWER C - PARKING	
C-01	ADA VAN STALL
C-02	
C-03	
C-04	
C-05	
C-06	
C-07	
C-08	
C-09	
C-10	
C-11	
C-12	
C-13	
C-14	
C-15	
C-16	
C-17	
Grand total: 163	

PROJECT DIRECTORY

SITE ADDRESS:
9300 MARSAC AVE
PARK CITY, UT 84060

OWNER:
WHITE SUMMIT DEVELOPMENT I, LLC
PO BOX 980022 PARK CITY, UTAH
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CONTACT: LYNN PADAN
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CONTRACTOR
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CONSULTANTS:

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FIRE LIFE SAFETY
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600 1ST AVENUE, SUITE 532
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503 914 6650
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CONNOR@ALLIANCE-ENGR.COM

SNOW
MOUNTAIN RESORT ENGINEERING
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2101 N 34TH ST #150
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T: 206-324-2272
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6949 SOUTH HIGH TECH DRIVE #100
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KARENB@STUDIOPACIFICASEATTLE.COM

POOL CONSULTANT
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PROVO, UT 84604
T: 801-375-1223
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DALDRED@CLOWARDH2O.COM

FIRE PROTECTION ENGINEER
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ONE RESEARCH DRIVE, SUITE 305C
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CARSON.COOK@JENSENHUGHES.COM

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BRC ACOUSTICS & AUDIOVISUAL DESIGN
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GEOTECHNICAL
APPLIED GEOTECHICAL ENGINEERING
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CONTACT: SCOTT ANDERSON
CARSON.SCOTTA@AGECINC.COM

SOMMET BLANC
UNIT STACK DIAGRAM

UNIT NUMBER
UNIT TYPE
SHEET REF

TOWER A

Level	Units
Level 6	A601 UNIT TYPE I 1/A2.4.I
Level 5	A503 UNIT TYPE H 1/A2.4.H; A502 UNIT TYPE A 1/A2.4.A; A501 UNIT TYPE C 1/A2.4.C
Level 4	A404 UNIT TYPE E 1/A2.4.E; A403 UNIT TYPE B 1/A2.4.B; A402 UNIT TYPE A 1/A2.4.A; A401 UNIT TYPE D 1/A2.4.D
Level 3	A304 UNIT TYPE F 1/A2.4.F; A303 UNIT TYPE B 1/A2.4.B; A302 UNIT TYPE A 1/A2.4.A; A301 UNIT TYPE C 1/A2.4.C
Level 2	A204 UNIT TYPE E 1/A2.4.E; A203 UNIT TYPE B 1/A2.4.B; A202 UNIT TYPE A 1/A2.4.A; A21 UNIT TYPE Q* 1/A2.4.Q; A22 UNIT TYPE P* 1/A2.4.P
Level 1	Amenity
P2	Garage
B	Amenity

Tower A: 17 units

TOWER B

Level	Units
	B702 UNIT TYPE J 1/A2.4.J; B703 UNIT TYPE K 1/A2.4.K
Level 6	B601 UNIT TYPE C 1/A2.4.C; B602 UNIT TYPE A 1/A2.4.A; B603 UNIT TYPE B 1/A2.4.B; B604 UNIT TYPE E 1/A2.4.E
Level 5	B501 UNIT TYPE D 1/A2.4.D; B502 UNIT TYPE A 1/A2.4.A; B503 UNIT TYPE B 1/A2.4.B; B504 UNIT TYPE F 1/A2.4.F
Level 4	B401 UNIT TYPE C 1/A2.4.C; B402 UNIT TYPE A 1/A2.4.A; B403 UNIT TYPE B 1/A2.4.B; B404 UNIT TYPE E 1/A2.4.E
Level 3	B301 UNIT TYPE D 1/A2.4.D; B302 UNIT TYPE A 1/A2.4.A; B303 UNIT TYPE B 1/A2.4.B; B304 UNIT TYPE F 1/A2.4.F
Level 2	B22 UNIT TYPE P* 1/A2.4.P; B21 UNIT TYPE Q* 1/A2.4.Q; B202 UNIT TYPE A 1/A2.4.A; B203 UNIT TYPE B 1/A2.4.B; B204 UNIT TYPE G 1/A2.4.G
Level 1	Amenity
P1	Garage
P2	Garage
B	Amenity

Tower B: 23 units

TOWER C

Level	Units
Level 8	C801 UNIT TYPE O 1/A2.4.O
Level 7	C701 UNIT TYPE N 1/A2.4.N; C702 UNIT TYPE M 1/A2.4.M
Level 6	C601 UNIT TYPE M 1/A2.4.M; C602 UNIT TYPE N 1/A2.4.N
Level 5	C501 UNIT TYPE N 1/A2.4.N; C502 UNIT TYPE M 1/A2.4.M
Level 4	C401 UNIT TYPE M 1/A2.4.M; C402 UNIT TYPE N 1/A2.4.N
Level 3	C301 UNIT TYPE N 1/A2.4.N; C302 UNIT TYPE M 1/A2.4.M
Level 2	C201 UNIT TYPE M 1/A2.4.M; C202 UNIT TYPE L 1/A2.4.L
Level 1	C22 UNIT TYPE R** 1/A2.4.R; C23 UNIT TYPE R** 1/A2.4.R; C24 UNIT TYPE R** 1/A2.4.R; C25 UNIT TYPE R** 1/A2.4.R
P1	Amenity/Garage

Tower C: 17 units

Total All Towers: 57 Units

* Unit Type P, Q affordable
** Unit Type R Type A accessible, all others Type B accessible

By Unit Type:

UNIT TYPE A	9
UNIT TYPE B	8
UNIT TYPE C	4
UNIT TYPE D	3
UNIT TYPE E	4
UNIT TYPE F	3
UNIT TYPE G	1
UNIT TYPE H	1
UNIT TYPE I	1
UNIT TYPE J	1
UNIT TYPE K	1
UNIT TYPE L	1
UNIT TYPE M	6
UNIT TYPE N	5
UNIT TYPE O	1
UNIT TYPE P	2
UNIT TYPE Q	2
UNIT TYPE R	4
TOTAL	57

UNIT TYPES BY TOWER

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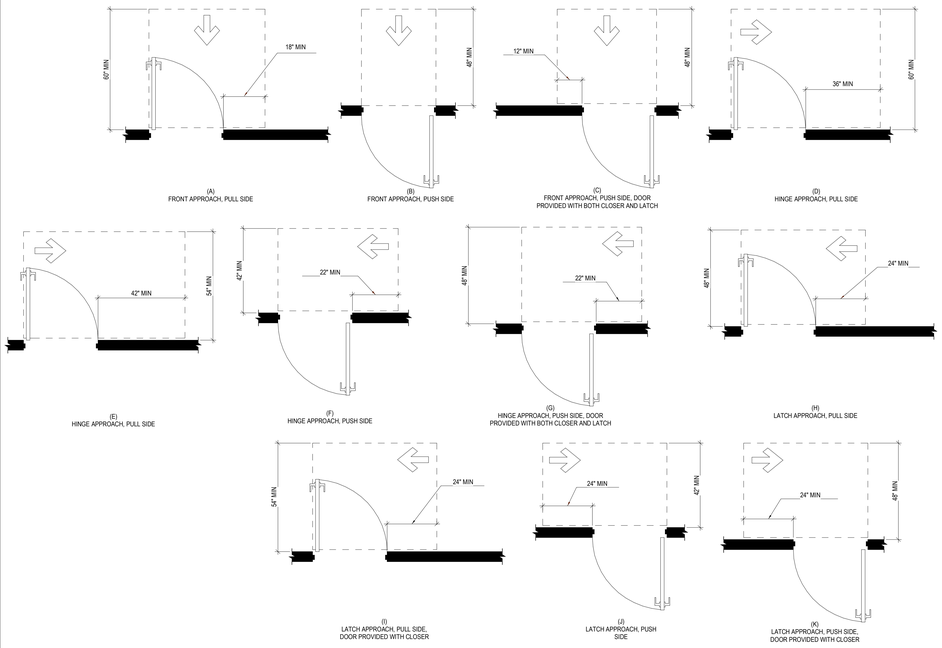
checked by JB
job no. 20052
date 05/17/2024

revisions:

no. date by

IFC SET 2 OF 3
05/17/2024

GENERAL INFORMATION
A0.02

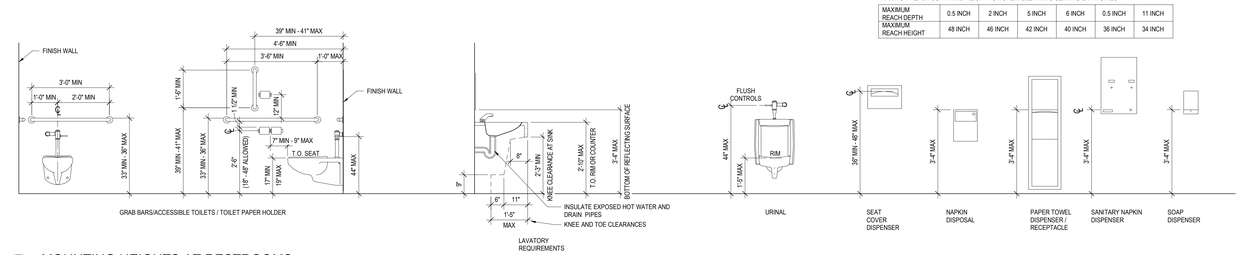


13 REQUIRED DOOR CLEARANCE

SCALE: 1 : 25

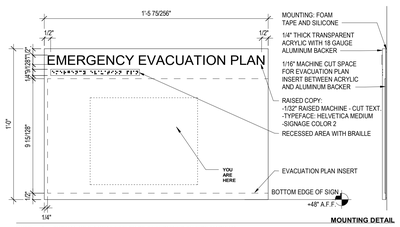
MAXIMUM REACH DEPTH AND HEIGHT FOR OPERABLE PARTS SERVING LAVATORIES

MAXIMUM REACH DEPTH	0.5 INCH	2 INCH	5 INCH	6 INCH	0.5 INCH	11 INCH
MAXIMUM REACH HEIGHT	48 INCH	46 INCH	42 INCH	40 INCH	36 INCH	34 INCH



12 MOUNTING HEIGHTS AT RESTROOMS

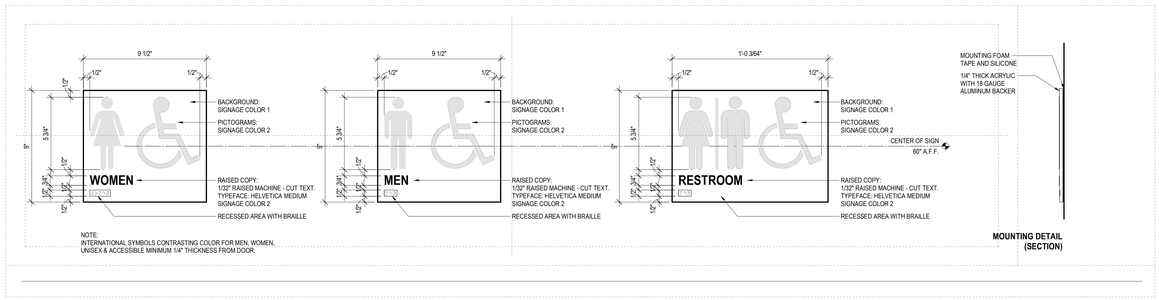
SCALE: 1/2" = 1'-0"



NOTE: 1. TYPICAL OF 3, LOCATIONS TO BE DETERMINED BY FIRE MARSHAL

11 EMERGENCY EVACUATION SIGN 2

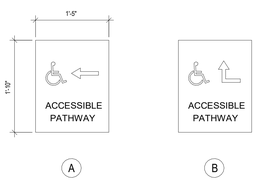
SCALE: 3" = 1'-0"



NOTE:
INTERNATIONAL SYMBOLS CONTRASTING COLOR FOR MEN, WOMEN, UNISEX & ACCESSIBLE MINIMUM 1/4" THICKNESS FROM DOOR.

14 ACCESSIBLE SIGNAGE

SCALE: 3" = 1'-0"

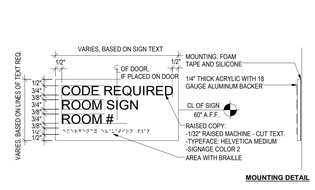


GENERAL NOTES:

1. SECURELY FASTEN SIGNS TO EXTERIOR WALL.
2. SEE 12/A0.03 FOR SIGN LOCATIONS.

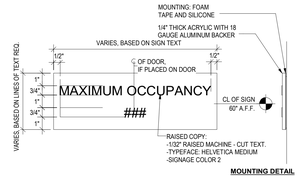
8 ACCESSIBLE PATH OF TRAVEL SIGN

SCALE: 1" = 1'-0"



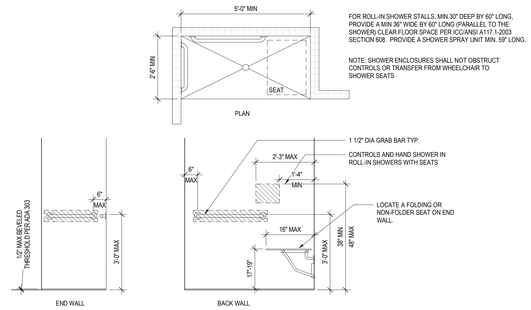
7 ROOM OCCUPANCY SIGNAGE

SCALE: 3" = 1'-0"



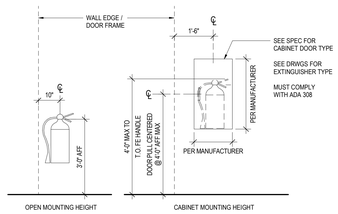
6 MAXIMUM OCCUPANCY SIGN

SCALE: 3" = 1'-0"



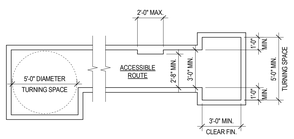
5 ROLL-IN SHOWER STALL

SCALE: 1/2" = 1'-0"



4 FIRE EXTINGUISHER

SCALE: 1/2" = 1'-0"



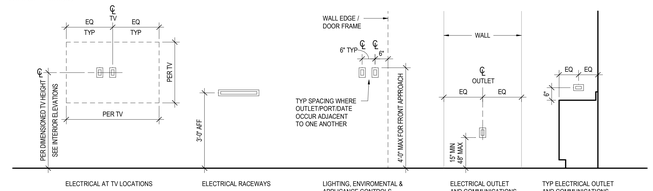
ALL FINISHES MUST BE INCLUDED IN CALCULATING MINIMUM CLEARANCES. MEASURE FROM NEAREST FINISH SURFACE TO NEAREST FINISH SURFACE, I.E. BASEBOARD TO BASEBOARD.
ACCESSIBLE ROUTES OF TRAVEL MUST BE FREE OF OBSTRUCTIONS TO A HEIGHT OF 27" AND 36" MIN. WIDE, BUT MAY BE REDUCED TO 32" MIN. FOR A MAXIMUM DISTANCE FOR 24".

A WHEELCHAIR TURNING SPACE MUST BE PROVIDED CONSISTING OF EITHER A 60" DIAMETER CIRCLE OR A "T" SHAPED INTERSECTION WITHIN A 60" MIN. SQUARE WITH ARMS AND BASE 36" WIDE MIN. EACH ARM OF THE "T" SHALL BE CLEAR OF OBSTRUCTIONS 12" MIN. IN EACH DIRECTION AND THE BASE SHALL BE CLEAR OF OBSTRUCTION 24" MIN. KNEE AND TOE CLEARANCES ALLOWED ONLY AT THE END OF EITHER THE BASE OR ONE ARM.

3 ACCESSIBLE ROUTE

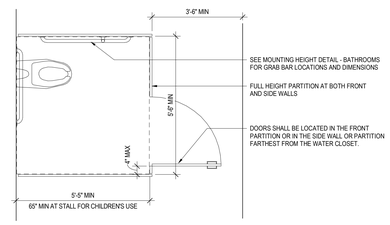
SCALE: 1/4" = 1'-0"

** NOTE: THIS DRAWING INDICATES TYPICAL MOUNTING HEIGHTS FOR DEVICES THROUGHOUT THE PROJECT. INFORMATION SHOWN ABOVE WILL ONLY APPLY TO THOSE CONDITIONS NOT SPECIFICALLY INDICATED ELSEWHERE IN THE CONTRACT DOCUMENTS. FOR SPECIFIC MOUNTING CONDITIONS REFER TO INTERIOR ELEVATIONS.



2 MOUNTING HEIGHTS - ELECTRICAL

SCALE: 1/2" = 1'-0"



1 WHEEL CHAIR ACCESSIBLE FULL HEIGHT COMPARTMENT

SCALE: 1/2" = 1'-0"

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job no. 20052
date 05/17/2024

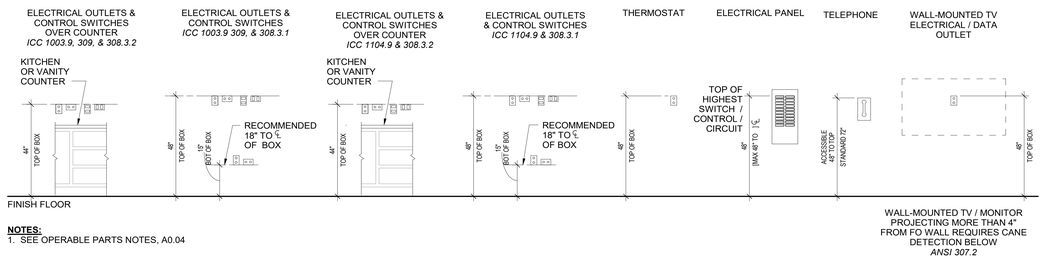
revisions:

no.	date	by

IFC SET 2 OF 3
05/17/2024

ACCESSIBILITY

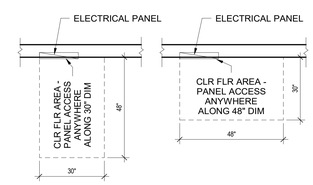
A0.03



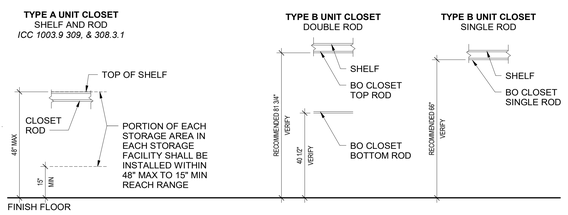
NOTES:
1. SEE OPERABLE PARTS NOTES, A0.04

9 TYPE A / TYPE B UNITS - MOUNTING HEIGHTS - ELECTRICAL
1/2" = 1'-0"

ELECTRICAL PANEL IN RESIDENTIAL UNIT

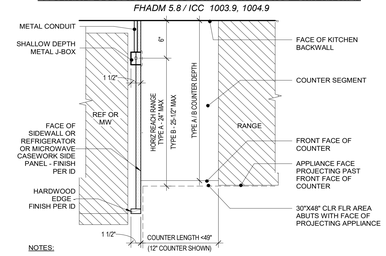


4 TYPE A / B UNITS - ELECT PANEL ACCESS
1/2" = 1'-0"



8 TYPE A / TYPE B UNITS - MOUNTING HEIGHTS - CLOSETS
1/2" = 1'-0"

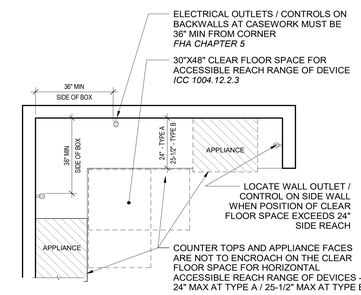
ELECTRICAL OUTLETS / CONTROLS SIDE REACH RANGE - UNIT KITCHEN
FHADM 5.8 / ICC 1003.9, 1004.9



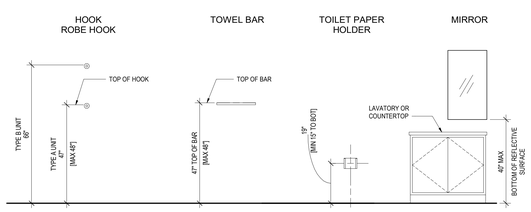
NOTES:
1. WHEN APPLIANCE FACE (RANGE SHOWN ABOVE) PROJECTS PAST FACE OF COUNTER, HORIZ REACH RANGE FOR OUTLET OR CONTROL SHALL NOT EXCEED 24" AT TYPE A / 25-1/2" AT TYPE B - CONDITION REQUIRES A SIDEWALL OR REFRIGERATOR SIDE-PANEL MOUNTED OUTLET OR CONTROL (SHOWN ABOVE)
2. OUTLET OR CONTROL MAY BE INSTALLED IN BACKWALL WHEN APPLIANCE FACE DOES NOT PROJECT PAST FACE OF COUNTER

5 TYPE A / TYPE B - OUTLET/CONTROL AT REF SIDE-PANEL
1 1/2" = 1'-0"

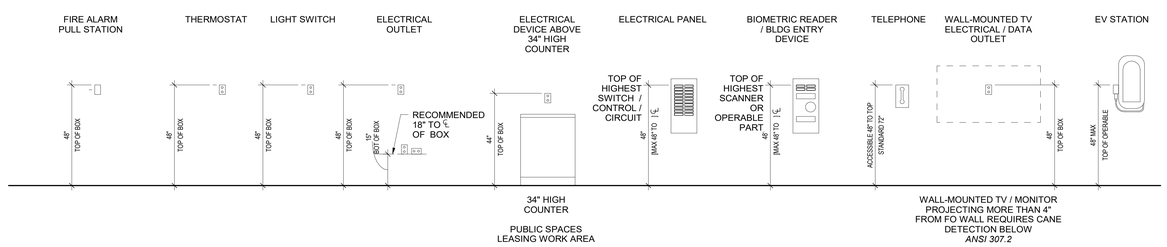
ELECTRICAL OUTLETS / CONTROLS SIDE REACH RANGE - UNIT KITCHEN
FHADM 5.8 / ICC 1003.9, 1004.9



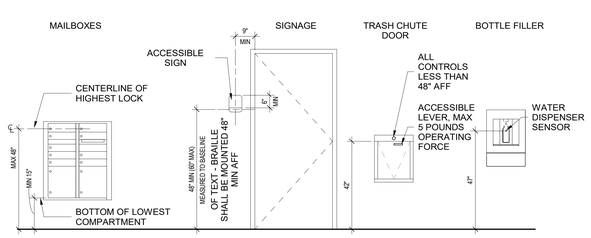
3 TYPE A / B UNITS - KITCHEN CORNER OUTLETS / CONTROLS
1/2" = 1'-0"



7 TYPE A/TYPE B UNITS - MOUNTING HEIGHTS - BATH ACCESSORIES
1/2" = 1'-0"

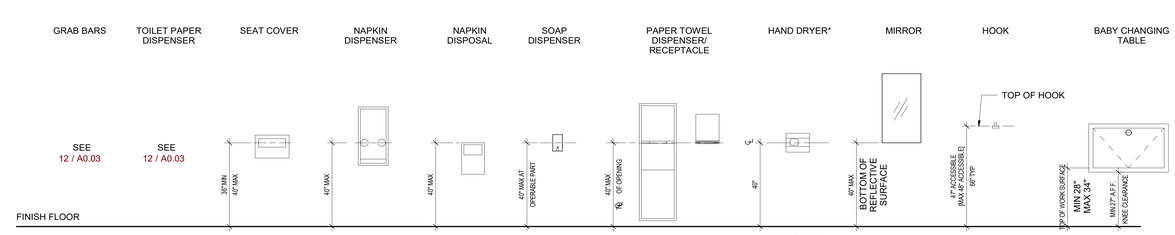


2 PUBLIC / COMMON SPACE - MOUNTING HEIGHTS - ELECTRICAL
1/2" = 1'-0"



NOTES:
1. AN 18" x 18" CLEAR FLOOR SPACE, OUT OF THE DOOR SWING, IS REQ/D AT ALL SIGNAGE ADJACENT TO DOORS

6 PUBLIC / COMMON SPACE - MOUNTING HEIGHTS - MISC
1/2" = 1'-0"



* COORDINATE LOCATION OF J-BOX & POWER REQUIRED WITH/ ELECTRICAL

1 PUBLIC SPACE - MOUNTING HEIGHTS - TOILET ACCESSORIES
1/2" = 1'-0"

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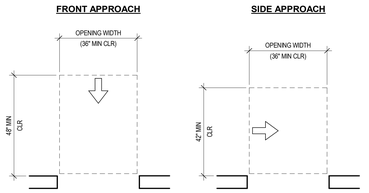
IFC SET 2 OF 3
05/17/2024

ACCESSIBILITY NOTES - MOUNTING HEIGHTS - ELEC

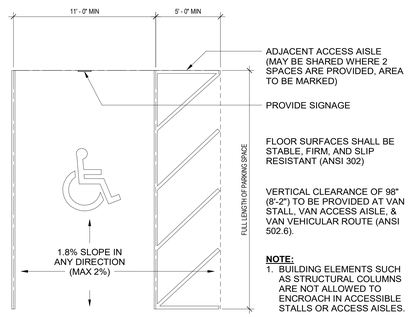
A0.04



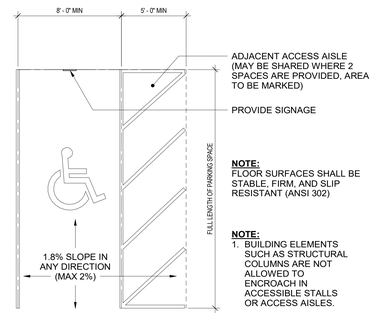
NOTE: WALL BASE NOT PERMITTED TO ENCROACH ON MANEUVERING CLEARANCES.

8 OPENINGS WITHOUT DOORS
1/2" = 1'-0"

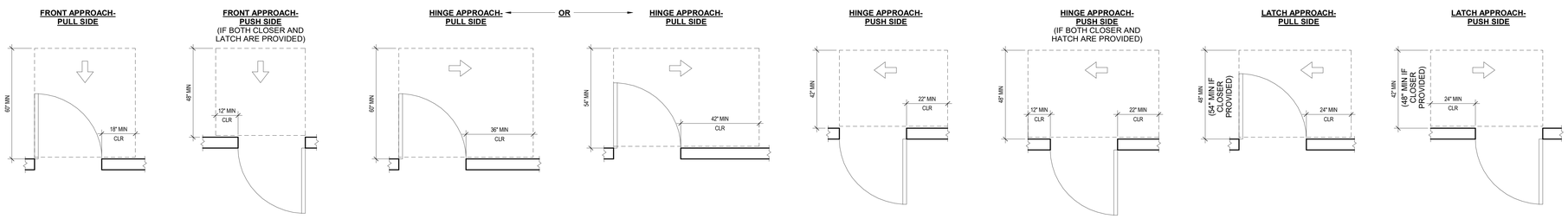
5 ACCESSIBLE PARKING SIGN
1 1/2" = 1'-0"



3 ACCESSIBLE PARKING SPACE - VAN
1/4" = 1'-0"

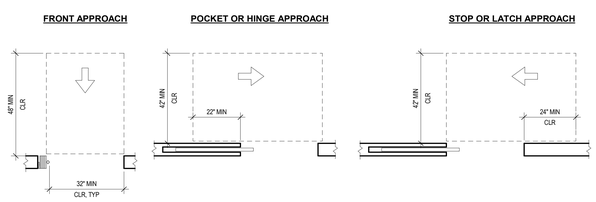


2 ACCESSIBLE PARKING SPACE - CAR
1/4" = 1'-0"



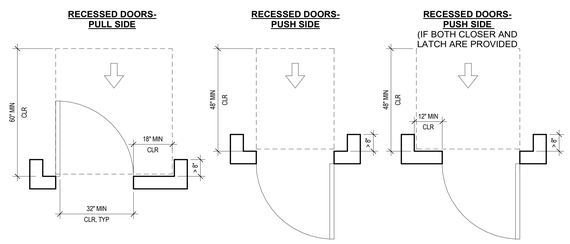
NOTE: WALL BASE NOT PERMITTED TO ENCROACH ON MANEUVERING CLEARANCES.

7 MANEUVERING CLEARANCE AT MANUAL SWING DOORS
1/2" = 1'-0"



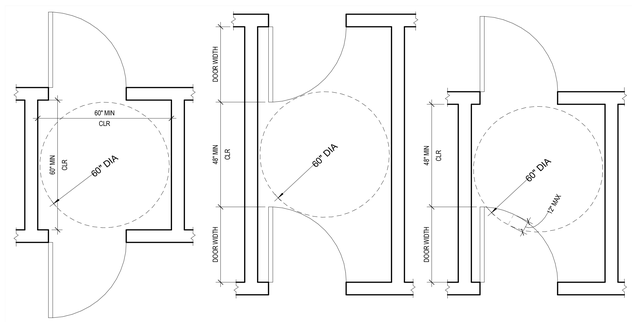
NOTE:
1. WALL BASE NOT PERMITTED TO ENCROACH ON MANEUVERING CLEARANCES.
2. WHEN SLIDING DOORS ARE IN THE FULLY OPEN POSITION, OPERATING HARDWARE SHALL BE EXPOSED + USABLE FROM BOTH SIDES ADA (2010) 608 + ICC A117.1 608)

6 MANEUVERING CLEARANCE AT SLIDING AND FOLDING DOORS
1/2" = 1'-0"



NOTE:
1. WALL BASE NOT PERMITTED TO ENCROACH ON MANEUVERING CLEARANCES.
2. FORWARD APPROACH REQUIRED WHERE DOOR IS RECESSED >8".

4 MANEUVERING CLEARANCE AT RECESSED DOORS
1/2" = 1'-0"



NOTE:
1. WALL BASE NOT PERMITTED TO ENCROACH ON MANEUVERING CLEARANCES.

1 TWO DOORS IN A SERIES
1/2" = 1'-0"

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drawn by SK, SS, JR, OP, EA, JF, BO
checked by JB
job no. 20052
date 05/17/2024

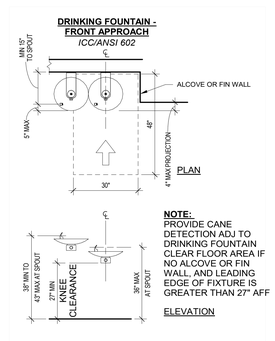
revisions:

no.	date	by

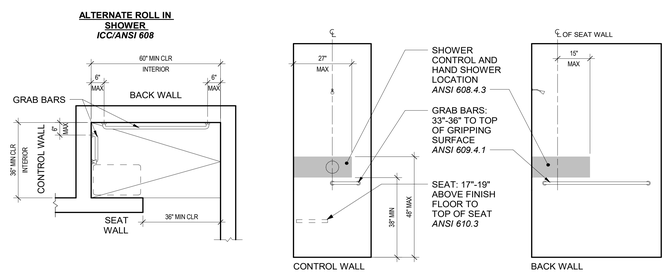
IFC SET 2 OF 3
05/17/2024

ACCESSIBILITY ROUTE AND DOORS

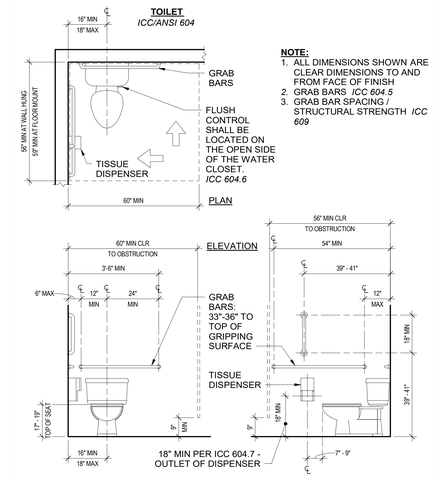
A0.05



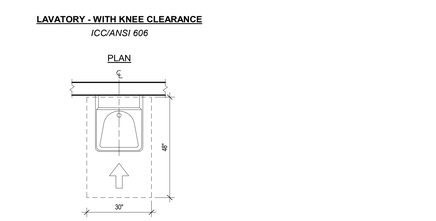
6 PUBLIC SPACE DRINKING FOUNTAIN
1/2" = 1'-0"

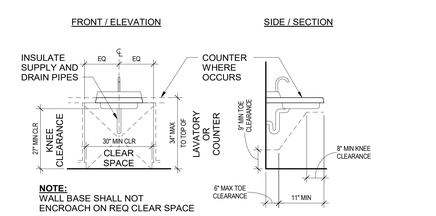


7 PUBLIC SPACE - ALTERNATE ROLL IN SHOWER
1/2" = 1'-0"

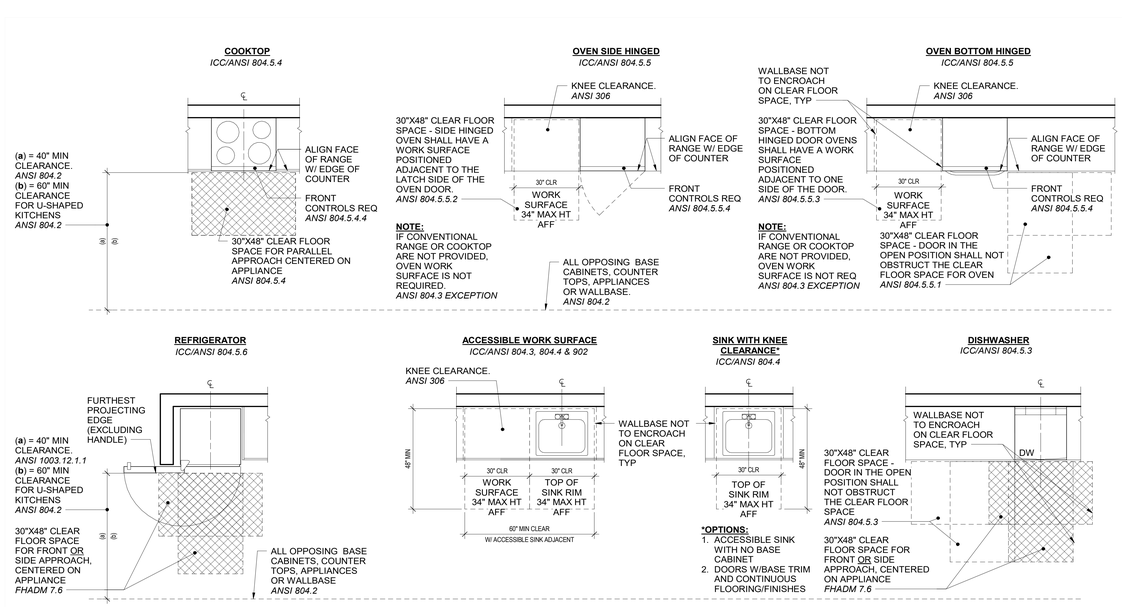


3 PUBLIC SPACE - TOILET CLEARANCES
1/2" = 1'-0"

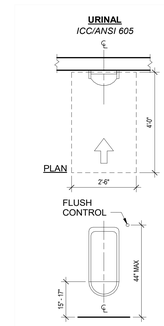




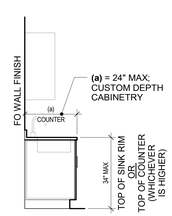
2 PUBLIC SPACE - LAVATORY CLEARANCES
1/2" = 1'-0"



5 PUBLIC SPACE - APPLIANCE CLEARANCES
1/2" = 1'-0"



4 PUBLIC SPACE URINAL CLEARANCES
1/2" = 1'-0"



ANSI 804

1 PUBLIC SPACE - COUNTER
1/2" = 1'-0"

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IFC SET 2 OF 3
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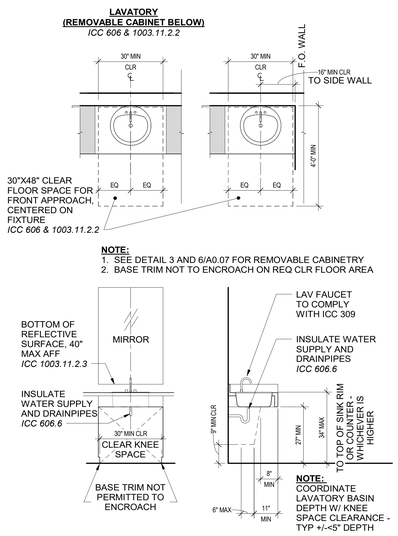
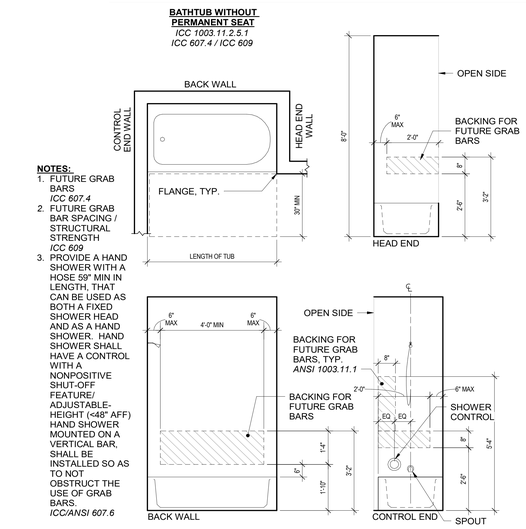
ACCESSIBILITY PUBLIC SPACES

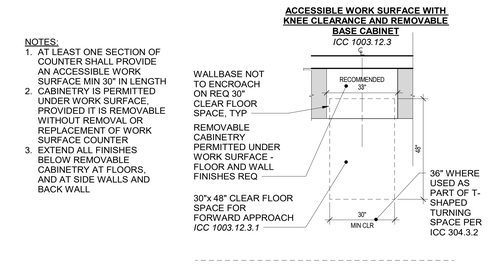
A0.06



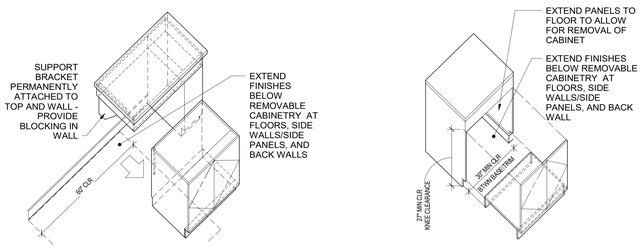
4 TYPE A - LAVATORY CLEARANCES
1/2" = 1'-0"



11 TYPE A - BATHTUB CLEARANCES & TYP GRAB BAR REINFORCING
1/2" = 1'-0"

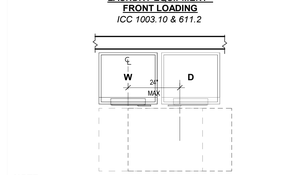


8 TYPE A - KITCHEN ACCESSIBLE WORK SURFACE
1/2" = 1'-0"

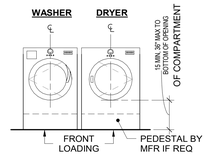


6 TYPE A - REMOVABLE CAB - AT TOILET CLEARANCE
1/2" = 1'-0"

3 TYPE A - REMOVABLE CABINET
1/2" = 1'-0"

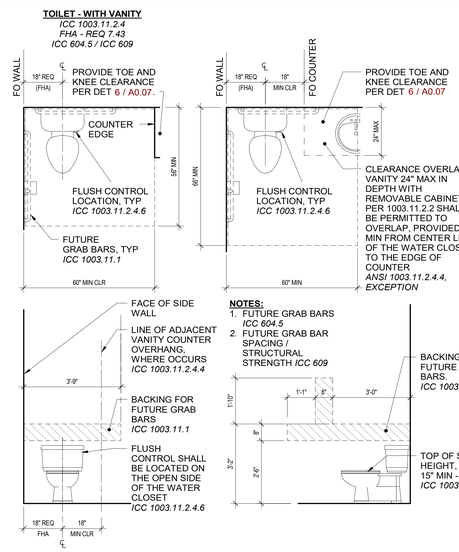


NOTE:
1. FOR FRONT LOADING MACHINES, THE CENTERLINE OF THE CLEAR FLOOR SPACE SHALL BE OFFSET 24" MAX FROM THE CENTERLINE OF THE DOOR OPENING
2. CLEAR FLOOR SPACE REQ FOR EACH APPLIANCE - ONLY ILLUSTRATED FOR WASHER ABOVE (FOR CLARITY)

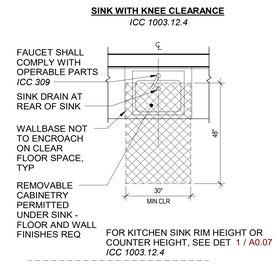


NOTE:
CONTROLS SHALL BE WITHIN REQ REACH RANGES AND MEET OPERABLE PARTS REQ ICC 309

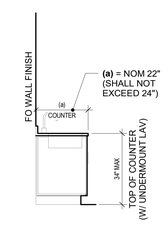
10 TYPE A - SIDE BY SIDE LAUNDRY EQUIPMENT
1/2" = 1'-0"



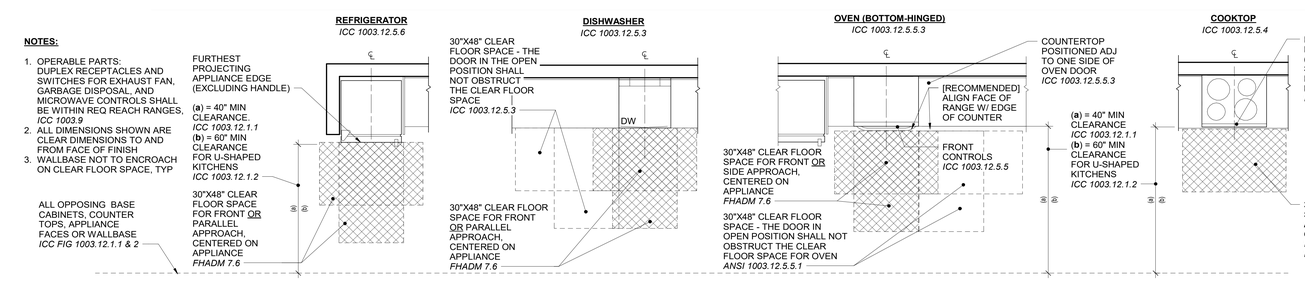
7 TYPE A - TOILET CLEARANCES & TYP GRAB BAR REINFORCING
1/2" = 1'-0"



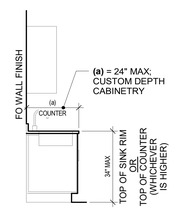
5 TYPE A - KITCHEN SINK
1/2" = 1'-0"



2 TYPE A - BATH VANITY COUNTER
1/2" = 1'-0"



9 TYPE A - KITCHEN APPLIANCE CLEARANCES
1/2" = 1'-0"



ICC 1003.12.4

1 TYPE A - KITCHEN COUNTER
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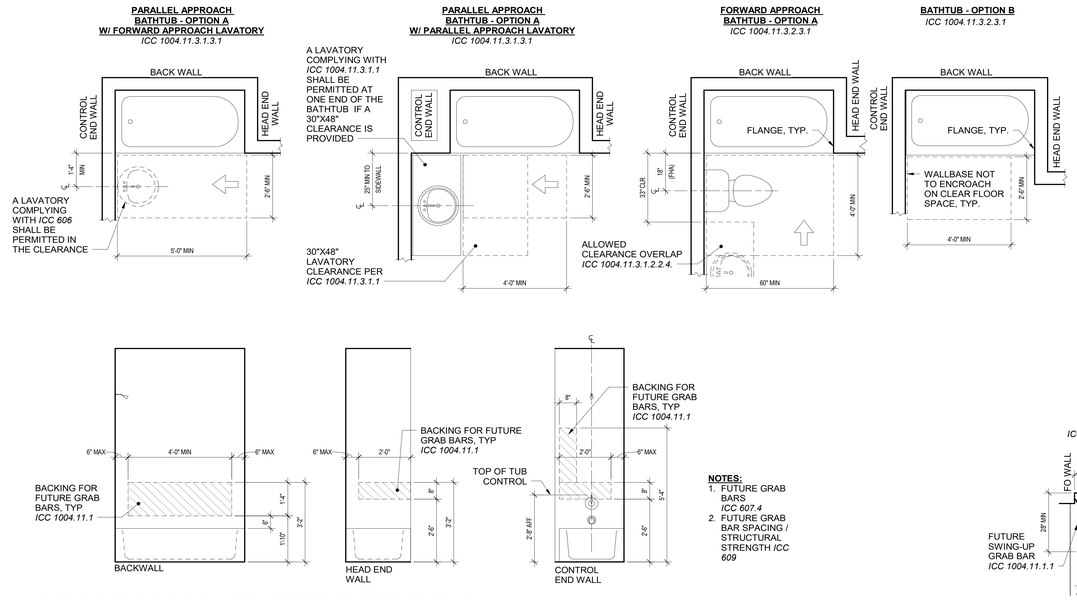
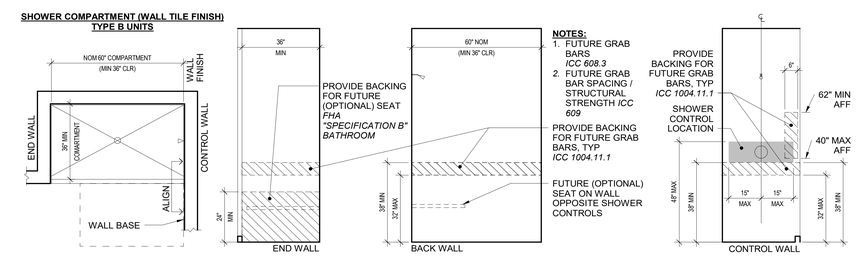
ACCESSIBILITY NOTES & DIAGRAMS - TYPE A UNITS

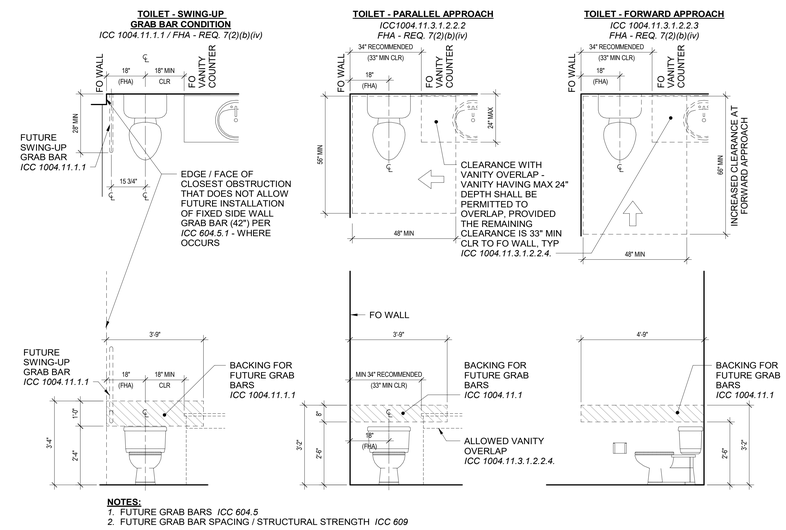
A0.07



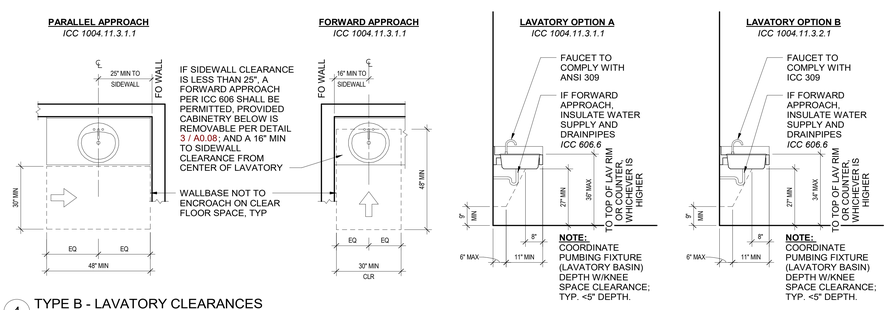
9 TYPE B - BATHTUB CLEARANCES & TYP GRAB BAR REINFORCING
1/2" = 1'-0"



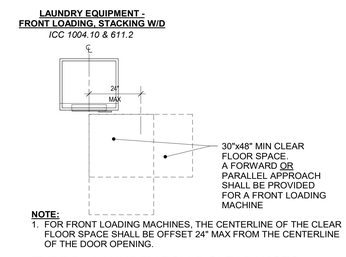
8 TYPE B - SHOWER GRAB BAR REINFORCING
1/2" = 1'-0"



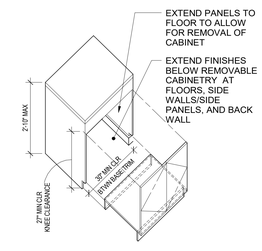
5 TYPE B - TOILET CLEARANCES & TYP GRAB BAR REINFORCING
1/2" = 1'-0"



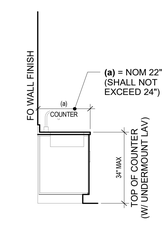
4 TYPE B - LAVATORY CLEARANCES
1/2" = 1'-0"



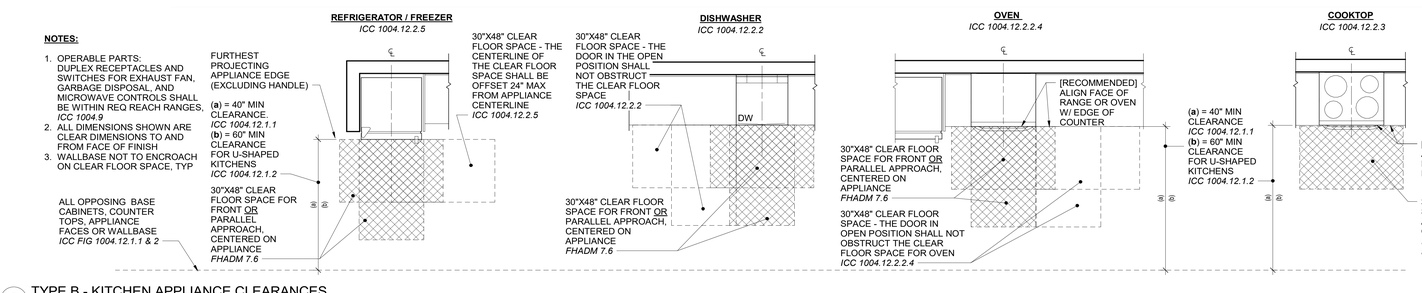
7 TYPE B - LAUNDRY EQUIP CLEARANCES
1/2" = 1'-0"



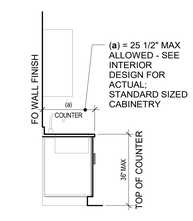
3 TYPE B - REMOVABLE CABINET
1/2" = 1'-0"



2 TYPE B - BATH VANITY COUNTER
1/2" = 1'-0"



6 TYPE B - KITCHEN APPLIANCE CLEARANCES
1/2" = 1'-0"



1 TYPE B - KITCHEN COUNTER
1/2" = 1'-0"

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ACCESSIBILITY NOTES & DIAGRAMS - TYPE B UNITS

A0.08

PINNED INSULATION — C15

[07 21 00] MINERAL WOOL INSULATION

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C15	N/A	N/A	0 / 0

2 HOUR FIRE-RATED GYPSUM CEILING — C16

[09 29 00] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

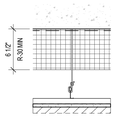
TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C16	2-HOUR	UL I510	0 / 0

GOLF SIMULATOR CEILING — C17

[09 22 16] LIGHT GAUGE METAL FRAMING
[07 21 00] BATT INSULATION
[09 21 16] GYPSUM WALL BOARD
[06 1000] PLYWOOD
[09 00 00] FABRIC PANEL WITH PLYWOOD BACKER
[09 00 00] FINISH CEILING/SOFFIT PER RCP

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C17	N/A	N/A	0 / 0

SUSPENDED SOFFIT — C20

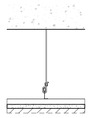


[07 13 00] WRB
[07 21 00] FOAM PLASTIC BOARD INSULATION
[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 00 00] FINISH CEILING/SOFFIT PER RCP

* INSULATION NOT REQUIRED AT PRE-CAST BALCONIES

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C20	NR	N/A	0 / 0

SUSPENDED WOOD CEILING — C10



[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 00 00] FINISH CEILING/SOFFIT PER RCP

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C10	NR	N/A	0 / 0

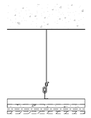
SUSPENDED GYPSUM BOARD — C11

[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

* IN NON TILED SHOWERS, BATHS, AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C11	NR	N/A	0 / 0

SUSPENDED TILE CEILING — C12



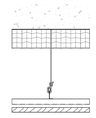
[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 30 33] CEMENTITIOUS BACKER BAORD
[09 30 33] FLUID APPLIED WATERPROOFING MEMBRANE
[09 30 33] THIN SET TILE MORTAR
[09 00 00] FINISH CEILING/SOFFIT PER RCP

* IN NON TILED SHOWERS, BATHS, AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C12	NR	N/A	0 / 0

SUSPENDED ACOUSTIC WOOD CEILING — C13

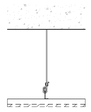
9 WOOD CEILING



[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C13	NR	N/A	0 / 0

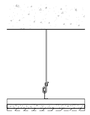
SUSPENDED ACOUSTIC CEILING TILE — C14



[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 00 00] FINISH CEILING/SOFFIT PER RCP

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C14	NR	N/A	0 / 0

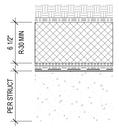
SUSPENDED METAL CEILING — C15



[09 21 16] STEEL SUSPENSION SYSTEMS
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 00 00] FINISH CEILING/SOFFIT PER RCP

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
C15	NR	N/A	0 / 0

BELOW GRADE LID — R6



[31 00 00] EARTHWORK
[07 55 56] MOISTURE MAT
[33 46 00] NON WOVEN GEOTEXTILE FILTER FABRIC
[31 23 43] GEOFOAM
[07 72 00] DRAINAGE PANEL
[07 55 56] ROOT BARRIER
[07 13 26] HOT RUBBER ROOFING
[03 30 00] CIP CONCRETE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
R6	1-HOUR	N/A	N/A

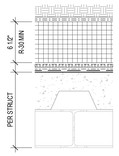
METAL ROOF AT MECHANICAL PENTHOUSE — R7

[05 50 00] STEEL PLATE
[05 31 00] STEEL DECK
[05 10 00] STRUCTURAL STEEL FRAMING

* ALL STRUCTURAL STEEL EXPOSED TO VIEW USE: [09 96 46] INTUMESCENT PAINT

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F31	N/A	N/A	N/A

GREEN ROOF AT PENTHOUSE — R1

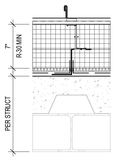


[31 00 00] EARTHWORK
[07 55 56] MOISTURE MAT
[33 46 00] NON WOVEN GEOTEXTILE FILTER FABRIC
[07 21 00] FOAM PLASTIC BOARD INSULATION
[07 72 00] DRAINAGE PANEL
[07 55 56] ROOT BARRIER
[07 13 26] HOT RUBBER ROOFING

* ALL STRUCTURAL STEEL EXPOSED TO VIEW USE: [09 96 46] INTUMESCENT PAINT

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
R1	1-HOUR	N/A	N/A

METAL ROOF AT PENTHOUSE — R2

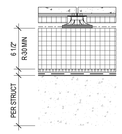


07 41 13-1 STANDING SEAM METAL ROOFING
[09 22 13] PERFORATED HAT CHANNEL
[07 42 10] FIBERGLASS SUBFRAMING GIRT
[07 42 11] STAINLESS STEEL GIRT
[07 72 00] DRAINAGE PANEL
[07 13 26] HOT RUBBER ROOFING

* ALL STRUCTURAL STEEL EXPOSED TO VIEW USE: [09 96 46] INTUMESCENT PAINT

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
R2	1-HOUR	N/A	N/A

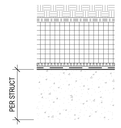
ROOF DECK WITH HYDRONIC SNOW MELT SYSTEM — R3



[07 72 00-1] CONCRETE PAVER
[07 72 00-3] HYDRONIC SNOW MELT
[07 72 00-4] SOUND ISOLATING PEDESTAL
[33 46 00] NON WOVEN GEOTEXTILE FILTER FABRIC
[07 21 00] FOAM PLASTIC BOARD INSULATION
[07 72 00] DRAINAGE PANEL
[07 13 26] HOT RUBBER ROOFING
[03 30 00] CIP CONCRETE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
R3	1-HOUR	N/A	N/A

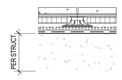
GREEN ROOF — R4



[31 00 00] EARTHWORK
[07 55 56] MOISTURE MAT
[33 46 00] NON WOVEN GEOTEXTILE FILTER FABRIC
[07 21 00] FOAM PLASTIC BOARD INSULATION
[07 72 00] DRAINAGE PANEL
[07 13 26] HOT RUBBER ROOFING
[03 30 00] CIP CONCRETE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
R4	1-HOUR	N/A	N/A

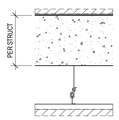
PRECAST CONCRETE BALCONY — R5



[07 72 00-1] CONCRETE PAVER
[07 72 00-3] HYDRONIC SNOW MELT
[07 72 00-2] SOUND ISOLATING PEDESTAL
[07 72 00] DRAINAGE PANEL
[07 13 26] HOT RUBBER ROOFING
[03 45 00] PRECAST ARCHITECTURAL CONCRETE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
R5	N/A	N/A	N/A

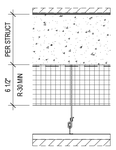
TYPICAL FLOOR BETWEEN CONDITIONED SPACE — F10



INTERIOR
[09 00 00] FINISH FLOOR PER FINISH PLANS
[09 60 13] ACOUSTIC MAT
[03 30 00] CIP CONCRETE
[09 21 16] STEEL SUSPENSION SYSTEMS
[09 00 00] FINISH CEILING/SOFFIT PER RCP
INTERIOR

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F10	1-HOUR	N/A	60 / 60

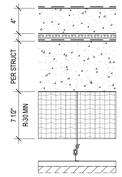
TYPICAL FLOOR ABOVE EXTERIOR SPACE — F11



INTERIOR
[09 00 00] FINISH FLOOR PER FINISH PLANS
[09 60 13] ACOUSTIC MAT
[03 30 00] CIP CONCRETE
[07 13 00] WRB
[07 21 00] FOAM PLASTIC BOARD INSULATION
[09 21 16] STEEL SUSPENSION SYSTEMS
[09 00 00] FINISH CEILING/SOFFIT PER RCP
EXTERIOR

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F11	1-HOUR	N/A	N/A

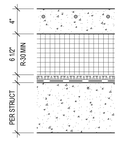
SPLIT SLAB AT GARAGE — F20



GARAGE
[07 18 16] VEHICULAR TRAFFIC COATING
[03 30 00] CIP CONCRETE
[07 72 00] DRAINAGE PANEL
[07 13 26] HOT RUBBER ROOFING
[03 30 00] CIP CONCRETE
[07 21 00] MINERAL WOOL INSULATION
[09 21 16] STEEL SUSPENSION SYSTEMS
[09 00 00] FINISH CEILING/SOFFIT PER RCP
AMENITY

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F20	1-HOUR	N/A	N/A

SPLIT SLAB AT PLAZA — F21



EXTERIOR
[03 30 00] CIP CONCRETE WITH RADIANT HEAT
[07 21 00] FOAM PLASTIC BOARD INSULATION
[07 72 00] DRAINAGE PANEL
[07 13 26] HOT RUBBER ROOFING
[03 30 00] CIP CONCRETE
GARAGE

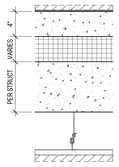
TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F21	NOT RATED	N/A	N/A

GARAGE PARKING SLAB — F22

GARAGE
[07 18 16] VEHICULAR TRAFFIC COATING
[03 30 00] CIP CONCRETE
GARAGE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F22	1-HOUR	N/A	N/A

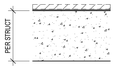
OVERBUILT SLAB — F23



INTERIOR
[09 00 00] FINISH FLOOR PER FINISH PLANS
[09 60 13] ACOUSTIC MAT
[03 30 00] CIP CONCRETE
[07 21 00] FOAM PLASTIC BOARD INSULATION
[03 30 00] CIP CONCRETE
[09 21 16] STEEL SUSPENSION SYSTEMS
[09 00 00] FINISH CEILING/SOFFIT PER RCP
INTERIOR

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F23	1-HOUR	N/A	N/A

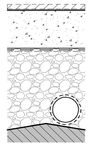
BACK OF HOUSE SLAB — F24



B.O.H.
[09 00 00] FINISH FLOOR PER FINISH PLANS
[09 60 13] ACOUSTIC MAT
[03 30 00] CIP CONCRETE
B.O.H.

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F24	1-HOUR	N/A	N/A

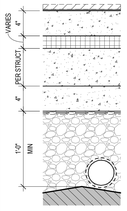
TYPICAL SLAB-ON-GRADE — F30



INTERIOR
[09 00 00] FINISH FLOOR PER FINISH PLANS
[09 60 13] ACOUSTIC MAT
[03 30 00] CIP CONCRETE
[07 13 26] BELOW MAT WATERPROOFING
[33 46 00] NON WOVEN GEOTEXTILE FILTER FABRIC
[33 46 00] SUBSURFACE DRAINAGE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F30	NOT RATED	N/A	N/A

TYPICAL MAT SLAB — F31



INTERIOR
[09 00 00] FINISH FLOOR PER FINISH PLANS
[09 60 13] ACOUSTIC MAT
[03 30 00] CIP CONCRETE
[07 21 00] FOAM PLASTIC BOARD INSULATION
[03 30 00] CIP CONCRETE
[03 30 53] CIP CONCRETE - AS NEEDED PER MEANS/METHODS TO PROTECT SHEET WP BELOW
[07 13 26] BELOW MAT WATERPROOFING
[33 46 00] NON WOVEN GEOTEXTILE FILTER FABRIC
[33 46 00] SUBSURFACE DRAINAGE

TAG	FIRE RATING	UL LISTING	STC / IIC RATING
F31	NOT RATED	N/A	N/A

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project manager TM, JB, SL, MD
drawn by SK, SS, JR, CP, EA, JF, BD
checked by JB
job no. 20052
date 05/17/2024

revisions:

no.	date	by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1

IFC SET 2 OF 3
05/17/2024

ASSEMBLIES - FLOORS, CEILINGS, ROOFS

A0.10

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

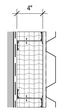
W16

[09 22 16] LIGHT GAUGE METAL FRAMING
[06 16 43] GYPSUM SHEATHING
[07 13 00] WRB
[07 21 00] MINERAL WOOL INSULATION
[09 22 13] PERFORATED HAT CHANNEL

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W15	6" STUD	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED
FURRED WALL IN MECHANICAL AREAS

W15



[07 13 00] WRB
[07 21 00] MINERAL WOOL INSULATION
[09 22 13] PERFORATED HAT CHANNEL
[07 41 11] PREFORMED WALL PANEL

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W15	6" STUD	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W32

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W32	N/A	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W31

[03 30 00] BOARD FORMED CONCRETE

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W31	N/A	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

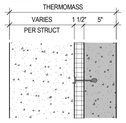
W30

[03 30 00] CIP CONCRETE

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W30	N/A	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED
THERMOMASS

W22

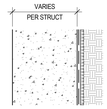


INT
[03 30 00] CIP CONCRETE
[07 21 00] FOAM PLASTIC BOARD INSULATION
[03 30 00] BOARD FORMED CONCRETE
EXT

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W22	N/A	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W21

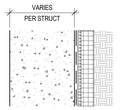


[03 30 00] CIP CONCRETE
[07 13 26] BELOW MAT WATERPROOFING
[07 72 00] DRAINAGE PANEL
[31 00 00] EARTHWORK

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W21	N/A	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W20



[03 30 00] CIP CONCRETE
[07 13 26] BELOW MAT WATERPROOFING
[07 21 00] FOAM PLASTIC BOARD INSULATION
[07 72 00] DRAINAGE PANEL
[31 00 00] EARTHWORK

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W20	N/A	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W14

[09 22 16] LIGHT GAUGE METAL FRAMING
[06 16 43] GYPSUM SHEATHING
[07 13 00] WRB
[07 21 00] MINERAL WOOL INSULATION
[09 22 13] PERFORATED HAT CHANNEL
[05 50 00] STEEL PLATE

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W14	3 5/8" STUD	N/A	N/A	N/A	N/A

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED
EXT FIREPLACE SURROUND

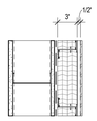
W13

[09 22 16] LIGHT GAUGE METAL FRAMING
[06 16 43] GYPSUM SHEATHING
[07 13 00] WRB
[09 22 13] PERFORATED HAT CHANNEL
[05 50 00] STEEL PLATE

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W13	6" STUD	N/A	N/A	N/A	YES

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W12

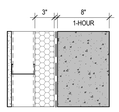


[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[06 16 43] GYPSUM SHEATHING
[07 13 00] WRB
[07 21 00] MINERAL WOOL INSULATION
[07 42 10] FIBERGLASS SUBFRAMING GIRT
[09 22 13] PERFORATED HAT CHANNEL
[05 50 00] STEEL PLATE

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W12	6" STUD	N/A	N/A	N/A	YES

EXTERIOR WALL
1-HOUR FIRE RATED
NOT ACOUSTIC TREATED

W11R

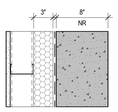


[03 30 00] BOARD FORMED CONCRETE
[07 13 00] WRB
[07 21 19] SPRAY FOAM INSULATION
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W11R	3 5/8" STUD	1-HOUR	UL U419	N/A	YES

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W11

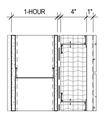


[03 30 00] BOARD FORMED CONCRETE
[07 13 00] WRB
[07 21 19] SPRAY FOAM INSULATION
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W11	3 5/8" STUD	N/A	N/A	N/A	YES

EXTERIOR WALL
1-HOUR FIRE RATED
NOT ACOUSTIC TREATED

W10R

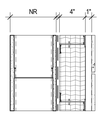


[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[06 16 43] GYPSUM SHEATHING
[07 13 00] WRB
[07 21 00] MINERAL WOOL INSULATION
[07 42 10] FIBERGLASS SUBFRAMING GIRT
[09 22 13] PERFORATED HAT CHANNEL
[07 42 47] GFRC WALL PANEL

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W10R	6" STUD	1-HOUR	UL U419	N/A	YES

EXTERIOR WALL
NOT FIRE RATED
NOT ACOUSTIC TREATED

W10

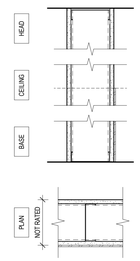


[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[06 16 43] GYPSUM SHEATHING
[07 13 00] WRB
[07 21 00] MINERAL WOOL INSULATION
[07 42 10] FIBERGLASS SUBFRAMING GIRT
[09 22 13] PERFORATED HAT CHANNEL
[07 42 47] GFRC WALL PANEL

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
W10	6" STUD	NOT RATED	N/A	N/A	YES

INTERIOR PARTITION
NOT FIRE RATED
NOT ACOUSTIC TREATED

O



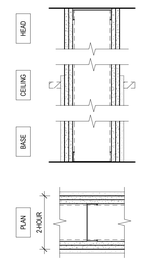
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[05 50 00] STEEL PLATE

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
O6	6" STUD	NOT RATED	N/A	N/A	YES

INTERIOR PARTITION
2-HOUR RATED
NOT ACOUSTIC TREATED

N



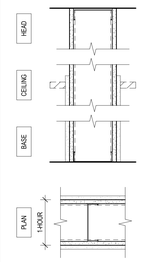
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
N3	3 5/8" STUD	2-HOUR	UL U419	N/A	YES
N6	6" STUD	2-HOUR	UL U419	N/A	YES

INTERIOR PARTITION
1-HOUR RATED
NOT ACOUSTIC TREATED

M



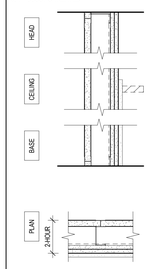
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
M3	3 5/8" STUD	1-HOUR	UL U404	N/A	YES
M6	6" STUD	1-HOUR	UL U404	N/A	YES

INTERIOR SHAFT WALL
2-HOUR FIRE RATED
NOT ACOUSTIC TREATED

L



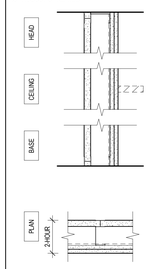
09 29 00] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
L4	4" CH-STUD	2-HOUR	UL U415 B	N/A	YES

INTERIOR SHAFT WALL
2-HOUR FIRE RATED
NOT ACOUSTIC TREATED

K



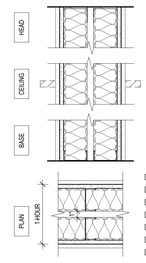
09 29 00] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
K4	4" CH-STUD	2-HOUR	UL U415 B	N/A	NO

INTERIOR DEMISING PARTITION
1-HOUR FIRE RATED
ACOUSTIC TREATED

J



*ADD EXTRA LAYER(S) OF GYPSUM TO MEET STC RATING

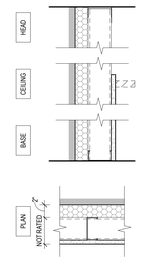
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[07 21 00] AIR SPACE
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
J3	3 5/8" STUD	1-HOUR	UL U419	60	YES
J6	6" STUD	1-HOUR	UL U419	60	YES

INTERIOR FURRED PARTITION
NOT FIRE RATED
NOT ACOUSTIC TREATED

I



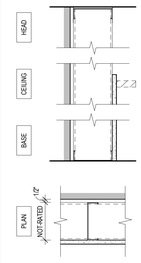
[07 21 19] SPRAY FOAM INSULATION
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
I3	3 5/8" STUD	N/A	N/A	N/A	YES

INTERIOR FURRED PARTITION
NOT FIRE RATED
NOT ACOUSTIC TREATED

H



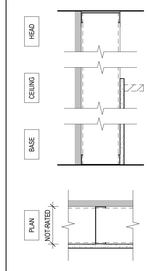
[07 21 00] AIR SPACE
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
H3	3 5/8" STUD	N/A	N/A	N/A	YES
H6	6" STUD	N/A	N/A	N/A	YES
H8	8" STUD	N/A	N/A	N/A	YES

INTERIOR FURRED PARTITION
NOT FIRE RATED
NOT ACOUSTIC TREATED

G



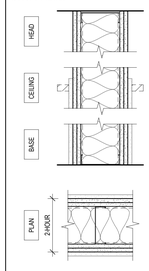
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
G1	1/2" H.C.	N/A	N/A	N/A	YES
G2	2 1/2" STUD	N/A	N/A	N/A	YES
G3	3 5/8" STUD	N/A	N/A	N/A	YES
G6	6" STUD	N/A	N/A	N/A	YES
G8	8" STUD	N/A	N/A	N/A	YES

INTERIOR PARTITION
2-HOUR RATED
ACOUSTIC TREATED

F



*ADD EXTRA LAYER(S) OF GYPSUM TO MEET STC RATING

[09 21 16] GYPSUM WALL BOARD
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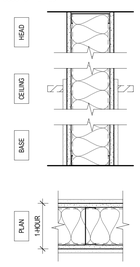
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
F3	3 5/8" STUD	2-HOUR	UL U419	55	YES
F6	6" STUD	2-HOUR	UL U419	55	YES

INTERIOR PARTITION
1-HOUR RATED
ACOUSTIC TREATED

E



*ADD EXTRA LAYER(S) OF GYPSUM TO MEET STC RATING

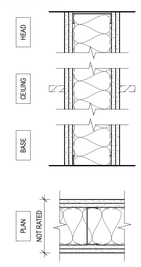
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
E3	3 5/8" STUD	1-HOUR	UL U419	55	YES
E6	6" STUD	1-HOUR	UL U419	55	YES

INTERIOR PARTITION
NOT FIRE RATED
ACOUSTIC TREATED

D



*ADD EXTRA LAYER(S) OF GYPSUM TO MEET STC RATING

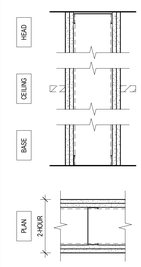
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
D3	3 5/8" STUD	N/A	N/A	55	YES
D6	6" STUD	N/A	N/A	55	YES
D8	8" STUD	N/A	N/A	55	YES

INTERIOR PARTITION
2-HOUR RATED
NOT ACOUSTIC TREATED

C



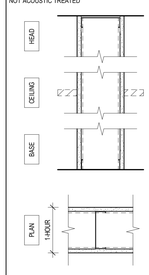
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
C3	3 5/8" STUD	2-HOUR	UL U419	N/A	NO
C6	6" STUD	2-HOUR	UL U419	N/A	NO

INTERIOR PARTITION
1-HOUR RATED
NOT ACOUSTIC TREATED

B



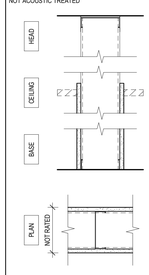
[09 21 16] GYPSUM WALL BOARD
[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
B3	3 5/8" STUD	1-HOUR	UL U419	N/A	NO
B6	6" STUD	1-HOUR	UL U419	N/A	NO

INTERIOR PARTITION
NOT FIRE RATED
NOT ACOUSTIC TREATED

A



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[09 22 16] LIGHT GAUGE METAL FRAMING
[09 21 16] GYPSUM WALL BOARD

* IN SHOWERS USE: [09 21 16] CEMENTITIOUS BACKER BOARD
* IN BATHS AND LAUNDRY USE: [09 21 16] MOISTURE RESISTANT GWB

TAG	STUD SIZE	FIRE RATING	UL LISTING	STC RATING	FLUSH BASE
A2	2 1/2" STUD	NOT RATED	N/A	N/A	YES
A3	3 5/8" STUD	NOT RATED	N/A	N/A	YES
A6	6" STUD	NOT RATED	N/A	N/A	YES
A8	8" STUD	NOT RATED	N/A	N/A	YES

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drawn by SK, SS, JR, CP, EA, JF, BD
checked by JB
job no. 20052
date 05/17/2024

revisions:

no.	date	by

IFC SET 2 OF 3
05/17/2024

ASSEMBLIES - EXTERIOR WALLS, INTERIOR PARTITIONS

A0.11

Sommet Blanc
Park City, Utah

Olson Kundig

Construction Documents
Fire & Life Safety Code Report

Holmes Fire

Version D
May 23, 2022
21020.00_Sommet Blanc_FLS Basis of Design CD_ver0.docx

ISSUE AUTHORIZATION

Project: Sommet Blanc, Park City, Utah

Project No. 21020.00

Version	Date	Status	Prepared	Reviewed
A	04/15/2021	Preliminary draft – Schematic Design	PG	BP
B	01/07/2022	100% Design Development	PG	GS
C	04/22/2022	90% Construction Documents	PG	GS
D	05/23/2022	Building Permit Submittal	PG	GS

Version	Extent of Revision
B	Updated report to reflect changes to Buildings A, B and C, which are now high-rises
C	Updated report to reflect that Buildings A, B and C are now a single high-rise building
D	Updated report in response to design team comments

This report caters specifically for the requirements for this project, the client and associated regulatory / approval process. No warranty is intended or implied for use by any other third party and no responsibility is undertaken to any other third party for any material contained herein.

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Written By:
Patrik Gustafsson
Fire Safety Specialist

Reviewed By:
Geza Szakats
Project Director

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1 INTRODUCTION

1.1 Scope

This Fire and Life Safety Basis of Design provides an overview of the fire/life safety code compliance approaches that will be implemented and the fire protection systems and features that will be included in the proposed Sommet Blanc development, located in Park City, Utah. The Sommet Blanc development will be bound to the north by a new extension of the existing Marsac Avenue. The rest of the development will face the hillside that is part of the Deer Valley ski resort.

The intent of this report is to document concepts and approaches included in the design process, as well as key aspects of the passive and active fire and life safety systems as required by the applicable codes and standards. In conceptual terms, this report ultimately describes the interaction of these systems in the context of an overall approach to achieving the level of safety intended by the adopted codes. The primary intent of this document is to coordinate the fire protection approach among all design and design/build disciplines, and to explain the selected design concepts to the authorities having jurisdiction. Details of code compliance are left to the construction documents and the contractors; however, if conflicts occur between this Fire and Life Safety Code Report and the construction documents, this report, as approved by Park City, will take precedence.

The Code Summary table of this report outlines the primary code provisions, the Basis of Design highlights the key issues, and the Detailed Requirements summarizes the most important fire/life safety code provisions as they apply to this project.

1.2 Building Description

Sommet Blanc is a mixed-use commercial and residential development. There are a total of three towers (Building A, Building B, and Building C), each provided with below grade parking. The development is located on a sloped site. Based on early discussions with Park City, the buildings were not considered as a high-rise development, but due to recent design changes and discussions with the local authorities in Park City, the three towers are now considered a single high-rise building, see Section 3.1. Buildings A and B are connected by the below grade parking, and by a small common lobby area. There will be a bowling and lounge space below the parking levels in Building A. Building C, connected to Building B by a walkway. Key characteristics are summarized as follows:

- Construction: Type I-B
- Building height:
  - Building A/B: approximately 98 feet
  - Building C: approximately 98 feet
- Number of stories: 10 stories above grade, 2 basement levels below grade
- Building area: the entire development has an approximate area of 355,000 SF, with the largest story being approximately 41,000 SF (the interconnected Level 2 in Building A, Level 1 in Building B, and Level P1 in Building C).

- Use: Mixed-use non-separated, incorporating primarily Group R-2 (residential), with Group A (assembly) uses including restaurants, lounges and a fitness space, and Group S-2 (parking)
- Means of egress: Each of the Building A and Building B towers are served by four interior exit stairs, and Building C is served by two interior exit stairs. There are no horizontal exits proposed.
- Key fire protection features:
  - NFPA 13 compliant automatic fire sprinkler protection throughout. Each of the three towers are proposed to be served by independent fire sprinkler systems.
  - Class I automatic wet standpipes
  - Emergency Voice & Alarm Communication (EV/AC) System
  - Smokeproof exit enclosures
  - Portable Fire Extinguishers
  - Smoke removal systems

Figure 1 - Building section

1.3 Project team

- Client: White Summit Development I, LLC
- Design Architect: Olson Kundig
- Architect of Record: Olson Kundig
- Mechanical Engineer: WSP
- Electrical Engineer: O-LC Lighting Design
- Structural Engineer: MKA
- Code Consultant: Holmes

1.4 Building and Fire Codes for the Project

The Park City Building Department, and the Park City Fire Department are the authorities having jurisdiction (AHJ) for the project. The City has adopted the 2018 edition of the Utah Building and Fire Codes with local amendments. The 2018 Utah Building and Fire Codes are amended versions of the 2018 International Building and Fire Codes.

National Fire Protection Association (NFPA) Standards, as referenced by the above Codes, include, but are not limited to:

- NFPA 13: Installation of Sprinkler Systems - 2016 Edition
- NFPA 14: Installation of Standpipe and Hose Systems - 2016 Edition
- NFPA 20: Installation of Stationary Pumps for Fire Protection - 2016 Edition
- NFPA 24: Installation of Private Fire Service Mains and Their Appurtenances, 2016 Edition
- NFPA 72: National Fire Alarm Code - 2019 Edition
- NFPA 80: Fire Doors and Other Opening Protectives - 2016 Edition
- NFPA 701: Standard Methods of Fire Tests for Flame-propagation of Textiles and Films - 2015 Edition

2 CODE SUMMARY

Code Topic	Summary
AHJ	Park City, Utah
Type of Construction	Type I-B
Building Height (UBC Section 504)	Allowable Height & Number of Stories – 180 ft / 12 (Proposed Height & Number of Stories –98 ft / 10 stories above grade & 2 stories below grade
Occupancy Classification (UBC Chapter 3)	A-2 Assembly: Restaurants and dining spaces, including associated kitchens A-3 Assembly: Lounges with an occupant load of 50 people or more, flexible use assembly spaces and fitness areas B Business: Offices, lounges with an occupant load less than 50 people R-2 Residential: Apartments – UBC §20 requirements apply F-1 Industrial: Boiler and Chiller rooms F-2 Industrial: Electrical, Mechanical rooms S-1 Storage: Moderate-hazard storage including waste storage, loading dock, and warehouse S-2 Storage: Car parking, low-hazard storage and bicycle storage Accessory occupancies cannot exceed 10% of floor area per story. It is assumed that the limited quantities of hazardous materials in the building will be less than the exempt quantities in UBC Section 414 and a Group H Occupancy will not be created. This Report will be amended as necessary if the amount of hazardous materials is present in quantities over the exempt amounts.
Occupancy Separation (UBC Section 508)	The project will be a mixed-use development consisting of Nonseparated Occupancies as per UBC Section 508.3.

Code Topic	Summary	
Means of Egress (UBC Chapter 10)	Common Path of Travel Limit: A -2 & A-3 = 75 ft B, F-1, F-2, S-1 & S-2 = 100 ft R-2 = 125 ft Dead-end Corridor Limit: A = 20 ft B, R-2, F-1, F-2, S-1 & S-2 = 50 ft	Exit Access Travel Distance Limit: A, F-1, R-2 & S-1 = 250 ft B = 300 ft F-2 & S-2 = 400 ft Egress Width: Stairs = 0.2 in per person All Other = 0.15 in per person
Applicable Codes	2018 edition of the Utah Codes (primary governing codes) with Park City Amendments	
Building Areas (UBC Section 506)	Maximum Allowable Area per Floor: 194,000 square feet (Group S-1) 237,000 square feet (Group S-2) Unlimited square feet (other occupancies) Approximate Proposed Gross Building Area: Building A/B: 258,000 SF Building C: 97,000 SF TOTAL: 355,000 Approximate Building Area of the Largest Story: Building A/B: 40,000 SF Building C: 14,000 SF Largest Combined Story: 41,000 SF	
Fire Resistance Ratings (FRR) (UBC Section 601)	Primary Structural Frame: 1 hour Exterior and Interior Bearing Walls: 1 hour Exterior Non-Bearing Walls: 0 hour where Fire Separation Distance (FSD) exceeds 20 ft, and 1 hour where 10 ft ≤ FSD ≤ 20 ft Interior Non-Bearing Walls: 0 hour, except as required by Section 4.1.2 of this report Floor and secondary beams: 1 hour Roof and secondary beams: 1 hour	

Code Topic	Summary	
Fire Protection Systems (UBC Chapter 9)	Fully sprinklered (NFPA 13) Smoke Alarms in R-2 apartments (UBC §20.5) Emergency Voice/Alarm Communication System (NFPA 72)	Portable Fire Extinguishers: Class ABC and Class K (commercial kitchens) Standpipe Connections: Class I

3 BASIS OF DESIGN / KEY ISSUES

This section highlights some of the major fire/life safety design criteria of the project and key code issues and proposed design solutions that are unusual and/or have the most impact on the fire/life safety approach of the project.

3.1 High-Rise Requirements

The Sommet Blanc development is located on a sloped site, and the highest occupied level of the development is located more than 75 feet above the lowest fire department access lane. Due to recent design updates and discussions with the local authorities of Park City, all of Buildings A, B and C are considered a single high-rise building. Because the highest occupied level of the building is more than 75 feet above the lowest fire-department access lane, the building will need to meet the high-rise requirements of the code. It is understood that the Park City Fire Department are open to classifying Buildings A, B and C as different structures as they will be staging their operations adjacent to the Building which has triggered the alarm. The highest occupied level of each of the three Buildings A, B and C from the lowest level of fire department access (adjacent to each applicable building) is as follows:

Building A: approximately 85 feet
Building B: approximately 92 feet
Building C: approximately 98 feet

Some of the notable required high-rise systems and features include the following:

3.1.1 Remoteness of interior exit stairways

Required interior exit stairways are required to be separated by a distance not less than 30 feet or not less than one-fourth of the length of the maximum overall diagonal dimension of the building or area to be served, whichever is less. The distance needs to be measured in a straight line between the nearest points of the enclosure surrounding the interior exit stairways (see Figure 2). Not fewer than two of the four interior exit stairways of the building are required to comply with this requirement.

Figure 2 - Exit enclosure remoteness measurement

3.1.2 Luminous Egress Path Markings

Approved luminous egress path markings delineating the exit path will be provided in interior exit stairways and exit passageways serving high-rise levels.

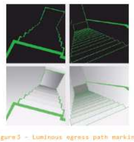

Figure 3 - Luminous egress path markings

3.1.3 Smoke Removal

A smoke removal system will be provided to facilitate smoke removal in post-fire operations. The system shall be equipped with either natural or mechanical ventilation for the removal of products of combustion. It is understood that the smoke removal system will be designed by others.

3.1.4 Stairway Pressurization

A combination of active and passive smoke control system will serve the entire building. The primary approach will be a positive pressurization system for the stairway enclosures. It is understood that the required smoke control report and rational analysis as per UBC 909 will be provided by others.

3.1.5 EVAC Fire Alarm System

The fire alarm system in the buildings is required to incorporate emergency voice alarm/communications (EVACS) and will be designed to comply with NFPA 72.

The following five distinctly different signals will be transmitted to the approved supervising station:

- Water flow alarm
- Fire alarm
- System trouble
- Supervisory
- Valve tamper supervisory

The main fire alarm control panel will be located in the fire command center, where the annunciation of all initiating devices of the project will be provided.

The EVACS will allow for zone by zone communication and all call. Each floor will be a separate fire alarm zone. The length of any zone will not exceed 300 feet in any direction, but the zones may coincide with the automatic fire sprinkler zones. The fire alarm annunciation will be fully coordinated with the floor levels, stairs and elevators.

Each floor will constitute a separate occupant notification zone. The occupant notification system of the floors immediately above and below the fire floor will also activate simultaneously with the fire alarm on the fire floor, or as required by the local fire chief.

3.1.6 Fire Command Center (FCC)

A fire command center is required in each of the two buildings. The fire command center is required to be separated from the remainder of the building by not less than a 1-hour fire barriers. The room is required to be not less than 200 square feet with a minimum dimension of 10 feet. The fire command center is required to be provided with an independent ventilation or air-conditioning system.

The location of and access to the fire command center are required to be approved by the fire chief.

3.1.7 Fire Pumps

One fire pump is required for the entire development, as Buildings A, B and C are now considered a single high-rise building.

A dedicated, 2-hour fire-resistance-rated fire pump room is required, with direct exterior access or via a protected corridor connected to an exit enclosure accessible from the exterior.

3.1.8 Secondary Water Supply Tank

A secondary water supply tank is required to serve the automatic fire sprinkler system of the building. The secondary water supply tank is required to be located adjacent to the fire pump room

The volume of the tank depends on the most demanding automatic fire sprinkler system in each building. The usable capacity of the secondary water supply tank is estimated to be at least the following for the building:

- Parking garage (Ordinary Hazard Group 1): 42,000 gallons

These volume calculations assume that the secondary water supply tank only includes the 100 gpm "inside" hose stream demand, not the entire inside plus outside 250 gpm hose stream.

3.1.9 Secondary Power Supply

The secondary power source and its transfer switches inside the building will be protected per Section 4.15.1 of this report, and will be ventilated directly to and from the exterior. Fuel lines supplying a generator set inside a building will be separated from areas of the building other than the room the generator is located in by an approved method or assembly that has a fire-resistance rating of not less than 1 hour.

Primary power shutdown capability will be provided in the fire command center. The on-premises fuel supply for the secondary power generator will be sufficient for at least 2-hour full-demand operation, and for at least 8-hour operation of the fire pump.

Emergency power will supply the following systems at a minimum (10 seconds transfer time):

- Emergency voice/alarm communication systems.
- Exit signs.
- Means of egress illumination.
- Fire sprinkler alarm and supervisory systems.
- Fire alarm and supervisory systems.
- Fire detection and supervisory systems.
- Fire pump controller.
- Electrically powered fire pumps.
- Elevator car lighting.
- Radio repeater system.

Standby power will supply the following systems at a minimum (60 seconds transfer time):

- One elevator in each bank. The standby power will be manually transferable to any elevator in each bank.

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date 05/17/2024

revisions:

no.	date	by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1

IFC SET 2 OF 3
05/17/2024

CODE SUMMARY - FIRE LIFE SAFETY REPORT

A0.20

- Where standby power is connected to elevators, the machine room ventilation or air conditioning shall be connected to the standby power source..
- Power and lighting for the fire command center.
- Stair pressurization fans.

3.1.10 Structural Integrity

If spray fire-resistant material (SFRM) is used in the building to achieve a specific fire-resistance rating, the minimum bond strength of the SFRM must be 430 pounds per square foot.

3.1.11 Fire Service Access Elevators

Fire Service Access Elevators are required in buildings where the highest occupiable level is located more than 120 feet above the lowest level of fire department vehicle access. As mentioned in Section 3.1, based on previous coordination with the Park City Fire Department, they are open to classifying each of the three towers as separate for the determination of high-rise requirements. Based on these discussion, the development does not require Fire Service Access Elevators.

3.2 Grade Plane

The grade plane is a reference plane representing the average of finished ground level adjoining the building at the exterior walls. Where the finished ground level slopes away from the exterior walls, the reference grade plane shall be established by the lowest points within the area between the building and the lot line or, where the lot line is more than 6 feet from the building, between the building and a point 6 feet from the building. Since the Sommet Blanc development is located on a sloped site, the determination of grade plane will be important in order to determine the building height and the number of stories above grade plane.

3.3 Construction Type

The development is proposed to utilize a concrete structure. It is therefore proposed that the development is classified as Type I-B (noncombustible, 2-hour fire-resistance-rated) construction in order to avoid additional compartmentation between Building A, Building B and the main lobby area. The entire development of Buildings A, B and Core therefore considered a single building, and no further assessment of fire spread between Buildings A, B and C is required.

As per UBC Table 601, the primary structural frame of a Type I-B building is required to achieve a 2-hour fire-resistance rating (FRR). However, UBC 403.2.1.1 Item 2 allows for a reduction in the required FRR in a Type I-B high-rise building to that of a Type II-A building, which only requires a 1-hour FRR, see Section 4.2.1. The reduction is not permitted for Group F-1 or S-1 occupancies, but any Group F-1 or S-1 spaces in the building are accessory to the primary occupancy group (less than 10% of the area) and should not impact the application of this code exception.

The primary occupancy of the development will be Group R-2 with some Group A assembly spaces and Group S-2 storage spaces. UBC Table 504.3 and Table 504.4 allow for a sprinklered Group R-2 occupancy to be 180 ft

in height and 12 stories above grade plane for a Type I-B construction. As per Table 506.2 all of the occupancies are allowed an unlimited area, apart from Group S-2, which is limited to 237,000 SF per story. This has not been exceeded.

3.3.1 Protection of HSS Columns

There are a number of HSS columns that are part of the structure that is supporting the floor assemblies throughout the development that will be protected by intumescent paint. For aesthetic reasons, it is desired that the protection of these columns be reduced from 2-hours to a 1-hour FRR.

As discussed above, Buildings A, B and C are now considered as a single high-rise building, and per UBC 403.2.1.1 Item 2 the HSS columns will only require a 1-hour FRR, unless supporting building elements requiring a 2-hour FRR.

3.4 Exit Stair Discharge

Interior exit stairways are required to discharge directly to the outside or through exit passageways to the outside. Not more than 50 percent of the number and required capacity of interior exit stairways is permitted to egress through areas on the level of discharge, provided the path to the exterior doors from the termination of the exit stairway enclosures is readily visible, identifiable and unobstructed.

Half of the interior exit stairways in the development are proposed to egress through areas of the level of discharge. In Buildings A and B, the path from the interior exit stairs to the exterior doors are currently not considered readily visible. It is understood that this has been discussed with the Park City Building Department, who are open to the current layout as long as there is ample signage to assist in identifying the path of travel.

It is recommended that this item is continued to be discussed with the Park City Building Department as the design progresses in order to resolve this issue.

3.5 Elevator Lobbies

Elevator hoistway door openings are required to be protected where an elevator hoistway connects more than three stories. Preliminary drawings indicate that elevator lobbies will not be desirable in the development, but additional doors are permitted in lieu of enclosed lobbies as per UBC 3006.3 Item 3. These are also required to protect the residential corridors per UBC 3006.2.1 as the hoistways open directly into the corridors. The doors are required to comply with the smoke and draft control door assembly requirements in UBC 716.2.2.1.1 when tested in accordance with UL 1784 without an artificial bottom seal.

Protection of elevator hoistway door openings is not required at the level of exit discharge.

Means of egress is permitted through an enclosed elevator lobby (if provided), but access to not less than one of the required exits is required to be provided without travel through enclosed elevator lobbies.

3.6 Separation for R-2 Dwelling Units

Walls separating dwelling or sleeping units in the same building, and walls separating the dwelling units from other occupancies contiguous with the, are required to be 1-hour fire partitions constructed in accordance with UBC Section 708.

3.7 Site Fire Department Access

Per the UFC, approved fire apparatus access roads are required to extend to within 150 feet of all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building. The only access to the development is along the new extension of Marsac Avenue along the north side of the development, and as such does not meet the 150 feet requirement.

The fire code official is authorized to increase the dimension of 150 feet where the building is equipped throughout with an approved automatic sprinkler system, or where fire apparatus access roads cannot be installed because of the location on property, topography, waterways, nonnegotiable grades or other similar conditions, and an approved alternative means of fire protection is provided.

The proposed fire apparatus access should be confirmed with Park City Fire Department.

3.8 Exterior Cladding

Per UFC 1405.1.1, exterior wall coverings of buildings of Type I construction are permitted to be constructed of combustible materials with a number of limitations. UFC 1405.1.1 item 2 allows for combustible exterior wall coverings up to 40 feet in height above grade plane, and item 3 allows for the use of fire-retardant-treated wood (FRTW) to be used up to 60 feet in height above grade plane.

There is a desire to utilize timber as an exterior wall covering on the entire development, which exceeds 60 feet in height above grade plane. It is understood that Park City is open to the use of timber, but this should be further discussed and confirmed with Park City.

4 DETAILED REQUIREMENTS

4.1 Occupancy Classifications

Each portion of the Sommet Blanc development is individually classified by use as per UBC Chapter 3 (see Table 1).

Table1 - Occupancy classifications

Occupancies	Classification
Conference rooms/Lounges with an occupant load of 50 or more people	A-3
Fitness rooms	A-3
Restaurants	A-2
Offices	B
Conference rooms/Lounges with an occupant load not over 49 people	B
Residential Apartments	R-2
Boiler and Chiller rooms	F-1
Electrical, Mechanical rooms	F-2
Loading dock	S-1
Parking garage	S-2

The amount of hazardous materials is assumed to be limited to be less than the exempt quantities in UBC Section 414 and a Group H Occupancy will not be created. Cleaning materials are not in excess of the exempt amounts permitted per control area as described in the UBC. This Report will be amended as necessary if the amount of hazardous materials is present in quantities over the exempt amounts.

4.1.1 Occupancy Separations

The development will be classified as mixed-use because it contains a variety of occupancies. Mixed-use occupancies may be either classified as accessory, nonseparated or separated. The building will be classified as a non-separated occupancies in accordance with Section 508.3 of the UBC. For non-separated occupancies, the code requirements apply to each portion of the building based on the occupancy classification of that space. Except as identified in Section 4.1.2 of this report, no occupancy-based fire-resistance-rated separations are required.

4.1.2 Fire- and Smoke-Resistive Separations

The areas summarized in Table 2 will be separated by fire- and/or smoke-resistive construction.

Table2 - Spaces requiring fire-resistance-rated separation from adjacent areas

Spaces	Separation
Corridors serving residential apartments	0.5-hour fire partitions
Between residential units	1-hour fire partitions
Interior exit stairways	2-hour fire barriers
Shafts, elevator hoistways and chutes	2-hour fire barriers
Chute access rooms	1-hour fire barriers
Refuse chute termination rooms	2-hours fire barriers
Elevator lobbies (unless alternatives per Section 4.1.4.3 of this report are used)	1-hour fire partitions
Elevator machine rooms and machinery spaces	2-hour fire barriers
IDF and electrical rooms if they form a shaft	2-hour fire barriers
Refrigerant machinery (chiller) room	0-hour smoke partition
Furnace room where any piece of equipment is over 400,000 Btu per hour input	0-hour smoke partition
Rooms with boilers where the largest piece of equipment is over 15 psi and 10 horsepower	0-hour smoke partition

The walls and soffits within enclosed usable spaces under enclosed and unenclosed stairways will be protected by 1-hour fire-resistance-rated construction or the fire-resistance rating of the stairway enclosure, whichever is greater.

Ventilation equipment and ductwork for the exit stair enclosures will be separated from the remainder of the building, including other mechanical equipment, with 2-hour shaft construction or equivalent protection (e.g. fire-resistance-rated ducts).

4.2 Building Construction

4.2.1 Construction Type

The buildings will be of Type I-B (noncombustible, 2-hour fire-resistance-rated) construction. The Type I-B construction permits 12 stories and 180 feet height above the grade plane for a Group R-2 occupancy. The Sommet Blanc development will have 10 stories above grade and a building height of approximately 98 feet. For the occupancies of the building, a Type I-B construction permits unlimited area, apart for Group S-2 occupancies which are limited to 237,000 sf per story, or 711,000 sf for the entire building. The total area of the

entire building is approximately 258,000 SF and will be a mixed-use development consisting of nonseparated occupancies per UBC 508.3.

The minimum required fire resistance of structural elements is summarized in Table 3.

Table3 - Minimum fire resistance rating of structural elements

Building Element	Fire-Resistive Requirement	Notes
	Type I-B	
Columns supporting floors/mezzanines	2 hours/1 hour[1]	UBC Section 403.2.1.1 (2)[1]
Primary Beams	2 hours/1 hour[1]	UBC Section 403.2.1.1 (2)[1]
Columns supporting roof only	1 hour	
Primary Beams supporting roof only	1 hour	
Floor including secondary beams and joists	2 hour[2]/1 hour [1]	UBC Section 403.2.1.1 (2)[1]
Roofs including secondary beams and joists	1 hour	

[1]The buildings are now high-rises and qualify for a reduction in the required FRR to that of a Type II-A building.
[2]It is noted that any 2-hour fire-resistive rated shaft enclosure bearing on other construction elements will trigger these elements to require a 2-hour fire-resistive rating, see Section 4.3.1 of this report.

4.2.2 Structural Frame

The primary structural frame is defined as the columns and the girders, beams, trusses and spandrels having direct connections to the columns, and bracing members designed to carry gravity loads. Bracing members that are essential to the vertical stability of the primary structural frame under gravity loading are also considered part of the primary structural frame whether or not the bracing member carries gravity loads.

The members of floor or roof panels which have no connection to the columns, and bracing members that are not included in the primary structural frame, are considered secondary members and not a part of the structural frame.

Structure that supports only stair treads and stair landings within a 2-hour fire-resistance-rated shaft enclosure is not required to have a fire-resistance-rating.

Attachments to primary and secondary structural steel members are required to be protected with the same fire-resistive material and thickness as required for the structural member. The protection is required to extend away from the structural member a distance of not less than 12 inches, or will be applied to the entire length when the attachment is less than 12 inches long. When an attachment is hollow and the ends are open, the fire-

resistive material and thickness is required to be applied to both exterior and interior of the hollow steel attachment.

4.2.3 Fire Separation Distance (FSD)

The fire separation distance used to determine the exterior wall fire-resistance rating and allowable openings is the distance measured from the building face to one of the following:

- The closest interior lot line.
- To the centerline of a street, an alley or public way.
- To an imaginary line between two buildings on the lot.

The distance is required to be measured at right angles from the face of the wall and separately for each story (see Figure 4).

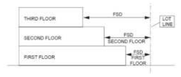

Figure4 - Fire separation distance measurements for floor offsets (figure from IBC commentary)

4.2.4 Exterior Walls

Fire-resistance rating requirements for exterior walls will be per Table 4.

Table4 - Exterior wall fire resistance rating requirements

Fire Separation Distance	Fire Resistance Rating
< 20 feet	1
≥ 20 feet	None Required

Maximum area of protected and unprotected exterior wall openings in percentage of the exterior wall in any story will be per Table 5.

Table5 - Exterior wall opening limitations

Fire Separation Distance	Fire Resistance Rating
3 ≤ X < 5 feet	15 percent

Fire Separation Distance	Fire Resistance Rating
5 ≤ X < 10 feet	25 percent
10 ≤ X < 15 feet	45 percent
15 ≤ X < 20 feet	75 percent
≥ 20 feet	No Limit

No parapets are required per Exceptions 1 and 6 of Section 705.11 of the UBC.

Canopies, exterior balconies or other architectural projections cannot extend any closer to the line used to determine the fire separation distance than shown in Table 6.

Table6 - Minimum distance of projections

Fire Separation Distance (FSD)	Minimum Distance from Line Used to Determine FSD
< 2 feet	Projections Not Permitted
2 ≤ X < 3 feet	24 inches
3 ≤ X <5 feet	24 inches plus 8 inches for every foot of FSD beyond 3 feet or fraction thereof
≥ 5 feet	40 inches

4.2.5 Combustible Materials

Noncombustible building materials will be used, with the exception of:

- Thermal and acoustical insulations, other than foam plastics, having a flame-spread index of not more than 25.
- Fire-retardant-treated wood may be used:
  - in nonbearing partitions that have a required fire-resistance rating of 2 hours or less,
  - in roof construction, including girders, trusses, framing and decking, and
  - in nonbearing exterior walls where no fire rating is required.
- Non-fire-retardant-treated wood is permitted for trim and millwork such as doors, door frames, window sashes and frames.
- Non-fire-retardant-treated wood is only acceptable as exterior wood veneer for up to 40 feet above grade plane. Fire-retardant-treated wood is acceptable as exterior wood veneer for up to 60 feet above grade plane.
- Other combustible materials may be used in specific areas as permitted by Section 603 of the UBC or as identified in this report.

4.2.6 Combustible Exterior Cladding and Insulation

If provided, combustible materials on the exterior side of exterior walls and other exterior wall coverings such as metal composite materials, exterior insulation and finish systems as well as high-pressure decorative exterior-grade compact laminates must comply with their respective section in UBC Chapter 14.

Exterior wall coverings are permitted to be constructed of combustible materials when complying with all of the following:

- Combustible exterior wall coverings do not exceed 10 percent of an exterior wall surface area where the fire separation distance is 5 feet or less.
- Combustible exterior wall coverings are limited to 40 feet in height above grade plane.
- Combustible exterior wall coverings constructed of fire-retardant-treated wood complying with UBC Section 2303.2 for exterior installation are not be limited in wall surface area where the fire separation distance is 5 feet or less and is note permitted up to 60 feet in height above grade plane regardless of the fire separation distance.
- Wood veneers must comply with UBC 1405.5
- Exterior wall coverings must be tested in accordance with NFPA 268[1].
- Combustible exterior wall coverings containing foam plastic insulation must be tested in accordance with and comply with the acceptance criteria of NFPA 285[2].

Metal composite materials, exterior insulation and finish systems and high-pressure decorative exterior-grade compact laminates have their own limits and allowances. This report can be expanded to address those aspects if the design team considers using these materials.

4.3 Compartmentation

4.3.1 Fire Barriers

Fire barriers will be used to form 2-hour enclosures for interior exit stairways, shafts and exit passageways. Fire barriers must extend from the top of the fire rated floor assembly below to the underside of the floor or roof above and will be securely attached thereto. The supporting construction will also maintain the fire-resistance of the fire barrier assembly. See Table 7 for fire resistance ratings of opening protections.

4.3.2 Fire Partitions

Fire partitions will be used to form 1-hour separations between dwelling units for the Group R-2 levels, and to form enclosures for corridors located on the Group R-2 levels. No other corridors are anticipated at this time.

[1] Standard Test Method for Determining Ignitability of Exterior Wall Assemblies Using a Radiant Heat Energy Source, National Fire Protection Association
[2] Standard Fire Test Method for the Evaluation of Fire Propagation Characteristics of Exterior Non-load-bearing Wall Assemblies Containing Combustible Components, National Fire Protection Association

4.3.2 Fire Partitions

Fire partitions will be used to form 1-hour separations between dwelling units for the Group R-2 levels, and to form enclosures for corridors located on the Group R-2 levels. No other corridors are anticipated at this time. Fire partitions must extend from the top of the floor/ceiling assembly below and be securely attached to either the underside of the floor or roof sheathing above, or the underside of a floor/ceiling assembly having a fire-resistance rating that is not less than the fire-resistance rating of the fire partition. See Table 7 for fire resistance ratings of opening protections.

4.3.3 Shafts

Floor openings for elevators, mechanical equipment, plumbing, etc. will be enclosed by 2-hour fire barriers. (As an alternative to shaft enclosures, fire-resistance-rated ductwork, which has been tested per the requirements of shafts, are acceptable). The fire barriers enclosing shafts (not interior exit stairways or elevator hoistway enclosures) are permitted to be reduced to 1 hour FRR where automatic sprinklers are installed within the shafts at the top and at alternative floor levels. A shaft that extends to the underside of the roof is not required to be enclosed or protected at the top.

Two story vertical opening are permitted without shaft protection when the following are met:

- Does not penetrate a horizontal assembly that separate smoke barriers that separate smoke compartments;
- Is not concealed within the construction of a wall or floor/ceiling assembly;
- Is separated from floor opening and air transfer opening serving floor x by construction conforming to the required shaft enclosure;
- Does not connect more than two stories.

Unenclosed stairways connecting two stories that are located in the two story vertical opening are also acceptable per UBC Section 1019.3 item 1. Draft curtains and closely spaced sprinklers are not required per UBC Section 1019.3 item 4 because these stairs only connect two stories.

4.3.4 Fire Doors

Fire doors will be installed in accordance with NFPA 80 and have a fire-resistance rating per Table 7.

Table7 - Minimum rating of fire doors

Rated Separation	Min. Fire Resistance Rating	Size Limitation
1-hour fire barrier in shafts	60 minutes	25% of length of wall[1]
Other 1-hour fire barriers	45 minutes	25% of length of wall[1]
2-hour fire barriers	90 minutes	25% of length of wall[1]

Rated Separation	Min. Fire Resistance Rating	Size Limitation
1-hour smoke barriers	45 minutes[2]	No limit
0.5-hour fire partition in corridors	20 minutes[2]	No limit
Other 1-hour fire partitions	45 minutes	No limit
Stair doors	90 minutes	25% of length of wall[1]

1 No limit where the opening protective has been tested in accordance with ASTM E 119[3] and has a minimum fire-resistance rating not less than the fire-resistance rating of the wall.
2 Also meet the requirements for a smoke- and draft-control door assembly tested in accordance with UL 1784[4].

Fire doors will be self-closing or will automatically close upon activation of smoke detection, or upon the loss of power to the smoke detector or hold-open device, at the following locations:

- in shaft walls,
- in exit enclosures,
- in fire partitions,
- in smoke-resistive walls of rooms for chiller and boiler rooms, and for doors installed across corridors to limit dead-end travel distances.

4.3.5 Fire and Smoke Dampers

The fire damper operating temperature will be approximately 50°F above the normal temperature within the duct system, but not less than 160°F (UBC 717.3.3.1). Fire dampers will have a minimum fire protection rating specified in Table 8.

Table8 - Fire damper rating

Fire Rating of Wall Penetrated	Min. Damper Rating
2 hours or less	90 minute
3 hours or more	180 minutes

Fire dampers will be located at:

- Ducts and air transfer openings in fire barriers, unless:
- the penetration is part of the fire-resistance rated assembly, in accordance with ASTM E 119.

[3] Test Methods for Fire Tests of Building Construction and Materials, ASTM International
[4] Air Leakage Tests of Door Assemblies, Underwriters Laboratories, Inc.

- Penetrations of shaft enclosures, unless:
- the penetration is part of the fire-resistance rated assembly, in accordance with ASTM E 119, or
- steel exhaust subducts extend at least 22 inches vertically in exhaust shafts and there is a continuous airflow upward toward the outside.
- Penetrations of fire partitions.
- Penetrations of fire-resistance-rated corridor walls, unless
  - the duct is protected as a through penetration.
- Penetrations of a single floor/ceiling assembly that are not protected by shafts.
- Exterior walls that are required to be protected in accordance with Section 705.10 of the UBC must be protected with fire dampers.

Smoke dampers will have a leakage rating of Class II or better. Elevated temperature ratings will be not less than 250°F. Where an assembly is required to have both fire and smoke dampers, combination fire/smoke dampers are acceptable.

Smoke dampers will be located at:

- Ducts and air transfer openings in fire barriers, unless:
- the penetration is part of the fire-resistance rated assembly, in accordance with ASTM E 119.
- Penetrations of shaft enclosures, with the exception of:
- bathroom and toilet room exhaust openings that are installed with steel exhaust subducts, having a minimum wall thickness of 0.187-inch (No. 26 gage); the subducts extend at least 22 inches vertically; and an exhaust fan is installed at the upper terminus of the shaft that is powered.
- Penetrations of smoke-resistive walls for chiller and boiler rooms.

Smoke dampers will close upon actuation of smoke detectors as follows:

- Smoke detector located in the duct, within 5-feet of the damper, and with no air inlets or outlets in between. The detector will be listed for the air velocity, air temperature, and humidity that are anticipated at the point of installation. Dampers will close upon fan shutdown where local smoke detectors require a minimum velocity to operate.
- Smoke dampers within un-ducted openings in walls will release upon activation of a spot-type detector located within 5-feet horizontally of the damper on both sides.

4.4 Wall Penetrations

The penetrations of fire-resistance-rated wall assemblies will be protected by an approved through penetration firestop system. The through penetration firestop system will have an F rating equaling the rating of the wall. No T rating is required.

4.5 Floor Penetrations

The penetrations of floor assemblies will be protected by an approved through penetration firestop system. The through penetration firestop system will have a 2-hour F rating and a 2-hour T rating.

Where a floor penetration contained and located within the cavity of a wall above the floor or below the floor, the through penetration firestop system will only have an F rating but no T rating.

Through penetration firestop systems are not required where the floor penetration meets the conditions of Exception 1 or 2 of Section 714.4.1 of the UBC.

4.6 Joints

Joint systems installed in or between FRR walls, floors, floor/ceiling assemblies, roofs and roof/ceiling assemblies are required to be protected by an approved fire-resistant joint system. Fire-resistant joint systems are not required in the following conditions:

- Enclosed parking garages (UBC 715.1 Exception 5)
- Walls that are permitted to have unprotected openings.
- Roofs, where openings are permitted.

4.7 Interior Finishes and Decorative Interiors

4.7.1 Interior Wall and Ceiling Finish Requirements

When any special wall hangings/coverings, awnings/ceilings, or other decorative interior features/structures are proposed, they should be closely reviewed for code compliance, potential fire hazard and for fire sprinkler discharge obstructions.

4.7.1.1 Classification

1) Interior wall and ceiling finishes have a flame spread index not greater than specified in Table 9 (classified in accordance with ASTM E84[4] or UL 723[5]).
2) Textile and expanded vinyl wall or ceiling coverings are Class A (or tested per NFPA 265[6]).
3) Testing per the requirements of NFPA 286[7] can be an alternative to the flame spread and smoke-developed indices.

[5] Test Methods for Surface Burning Characteristics of Building Materials, ASTM International
[6] Standard for Test for Surface Burning Characteristics of Building Materials, Underwriters Laboratories, Inc.
[7] Method of Fire Tests for Evaluating Room Fire Growth Contribution of Textile Wall Coverings on Full Height Panels and Walls, National Fire Protection Association
[8] Standard Method of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth, National Fire Protection Association

4) High-density polyethylene (HDPE) interior finish materials are required to be tested per the requirements of NFPA 286.
5) Materials having a thickness less than 0.036 inch applied directly to the surface of noncombustible walls or ceilings are not required to be tested.

Table9 - Interior wall and ceiling finish requirements

Occupancy	Interior Exit Stairways and Exit Passageways	Corridors and enclosure for exit access stairways	Rooms and Enclosed Spaces
Group A	B	B	C
Group B	B	C	C
Group R, F and S	C	C	C

4.7.1.2 Foam Plastics

1) In addition to testing for the required flame spread and smoke-developed indices, foam plastics used as interior finish are also required to be tested per one of the following: NFPA 286, FM 4880[9], UL 1040[10] or UL 1715[11].
2) These requirements also apply both to exposed foam plastics and to foam plastics used in conjunction with a textile or vinyl facing or cover.

4.7.1.3 Attachment

1) Interior finish materials are required to be applied or otherwise fastened in such a manner that such materials will not readily become detached where subjected to room temperatures of 200°F for not less than 30 minutes.
2) The interior finish materials are required to be applied directly against noncombustible walls or ceilings or to furring strips not exceeding 1.75 inches. The intervening spaces between furring strips are required to be:
   a) filled with noncombustible, inorganic or Class A materials, or
   b) fireblocked at a maximum of 8 feet in any direction.
3) Where walls are set out or ceilings are dropped more than 1.75 inches, Class A materials are required to be used except where interior finish materials meet one of the following:
   a) protected on both sides by an automatic sprinkler system, or
   b) the combustible void is filled with fiberglass or noncombustible insulation, or

[9] American National Standard for Evaluating Insulated Wall or Wall and Roof/Ceiling Assemblies, Plastic Interior Finish Materials, Plastic Exterior Building Panels, Wall/Ceiling Coating Systems, Interior and Exterior Finish Systems, Factory Mutual Global Research
[10] Fire Test of Insulated Wall Construction, Underwriters Laboratories, Inc.
[11] Fire Test of Interior Finish Material, Underwriters Laboratories, Inc.

   c) attached to a noncombustible backing, or
   d) attached to furring strips installed as required for direct attachment.
4) The hangers and assembly members of such dropped ceilings that are below the main ceiling line are required to be of noncombustible materials.

4.7.1.4 Thin Combustible Materials

1) An interior wall or ceiling finish that is not more than 0.25-inch thick is required to be applied directly against a noncombustible backing, unless:
   a) the material is noncombustible, or
   b) where the qualifying tests with Class A materials were made with the material suspended or furred out from the noncombustible backing.

4.7.1.5 Site-fabricated Stretch Systems

1) A site-fabricated stretch systems is a system, fabricated on site and intended for acoustical, tackable or aesthetic purposes that is comprised of three elements:
   a) a frame (constructed of plastic, wood, metal or other material) used to hold fabric in place,
   b) a core material (infill, with the correct properties for the application), and
   c) an outside layer, comprised of a textile, fabric or vinyl, that is stretched taunt and held in place by tension or mechanical fasteners via the frame.
2) Where used as interior wall or ceiling finish materials, site-fabricated stretch systems are required to be tested in the manner intended for use, and required to be classified per ASTM E84 or UL 723, or tested per the requirements of NFPA 286. If the materials are tested in accordance with ASTM E84 or UL 723, specimen preparation and mounting is required to be in accordance with ASTM E2573[12].

4.7.2 Floor Finish

1) Floors and floor coverings of a traditional type, such as wood, vinyl, linoleum or terrazzo, and resilient floor covering materials which are not comprised of fibers, are not regulated by the UBC.
2) Interior floor finish and interior floor covering materials are required to comply with ASTM E648[13], and having a specific optical density smoke rating not to exceed 450 per ASTM E662[14].

4.7.3 Combustible Decorations and Trim

1) Curtains, draperies, hangings and other decorative materials suspended from walls or ceilings are required to be tested by an approved agency be flame resistant in accordance with the provisions set forth in NFPA 701.

[12] Standard Practice for Specimen Preparation and Mounting of Site-fabricated Stretch Systems to Assess Surface Burning Characteristics, ASTM International
[13] Standard Test Method for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source, ASTM International
[14] Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials, ASTM International

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date 05/17/2024

revisions:

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IFC SET 2 OF 3
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CODE SUMMARY - FIRE LIFE SAFETY REPORT

A0.21

2) The permissible amount of decorative materials in a Group A occupancy cannot exceed 10 percent of the aggregate area of walls and ceilings.
3) The 10-percent limit does not apply to curtains, draperies, fabric hangings and similar combustible decorative materials used as window coverings.
4) Interior trim is required to be of minimum Class C materials.
5) Combustible trim, excluding handrails and guardrails, cannot exceed 10 percent of the specific wall or ceiling area in which it is located.
6) If plastics are used as interior finish or decorations, they will need to be separately identified and evaluated.
7) Decorative ceiling elements include umbrellas, awnings, canopies, roofs of interior structures, interior projections, lattice ceilings, and other horizontal installations that might obstruct or delay actuation of sprinklers will need to be separately identified and evaluated.

4.8 Means of Egress

4.8.1 General

The occupant load of every room or space that is assembly occupancy will be posted in a conspicuous place near the main exit or exit access doors.

Table 10 shows the occupant load factors used to calculate the occupant load in the primary areas.

Table 10 – Occupant load factors

Building Areas, Uses	Floor Area Per Occupant (sf)
Restaurants, lounges, game room	15 net
Meeting rooms	15 net
Bowling center	5 occupants per lane (including 15 feet of runway) 7 net for other areas
Exercise rooms	50 gross
Residential – Dwelling Units	200 gross
Parking garage	200 gross
MEP and Storage rooms	300 gross

4.8.2 Exit Signs

Exit and exit access doors will be clearly marked by exit signs readily visible from any direction of egress travel. Access to exits will be marked by additional exit signs if the egress paths to exits and exit access doors are not immediately visible. Exit signs in corridors will be placed so that there is a visible exit sign within 100 feet.

Exit signs will not be required in areas that require only one exit.

Main exterior exit doors that are obvious and clearly identifiable will not be provided with exit signs.

Tactile exit signs stating EXIT will be provided adjacent to each door to an exit stairway and the exit discharge.

Exit signs will be internally or externally illuminated at all times. Upon primary power loss, the exit signs will maintain continuous illumination for at least 90 minutes.

4.8.3 Means of Egress Illumination

The means of egress, including the exit discharge, will be illuminated at all times when the space served by the means of egress system is occupied. No illumination will be required for the means of egress within the dwelling units (Group R-2).

The means of egress illumination level is at least 1 foot-candle at the floor level in the path of egress, including along the path of travel for the exit discharge from each exit to the public way.

Emergency power will provide power for the means of egress illumination system for at least 90 minutes for the exit access corridors, aisles and passageways, where two or more means of egress are required, and for all exit stairways and the portion of the exterior exit discharge immediately adjacent to exit discharge doorways.

Emergency lighting facilities will provide initial illumination that is at least an average of 1 foot-candle and a minimum at any point of 0.1 foot-candle measured along the path of egress at floor level. Illumination levels can decline to 0.6 foot-candle average and a minimum at any point of 0.06 foot-candle at the end of the emergency lighting time duration. A maximum-to-minimum illumination uniformity ratio of 40 to 1 will not be exceeded.

4.8.4 Minimum Capacity of the Egress System

Minimum exit capacities will be per Table 11.

Table 11 – Egress width per occupant

Egress Element	Clear Width per Occupant
Stairs	0.2 inches per occupant
Ramps	0.15 inches per occupants
Doors and other level egress components	0.15 inches per occupant

The stairways and corridors will have a minimum width of 44 inches.

Stairways and corridors serving 49 or less occupants may have a minimum width of 36 inches.

Corridors providing access to mechanical/electrical equipment only may have a minimum width of 24 inches.

4.8.5 Number of Required Exits

The minimum number of required exits or access to exits will be per Table 12.

Table 12 – Required number of remote means of egress

Occupancy	Occupant Load	Required Means of Egress
Group A, F	Fewer than 50	1
	50 or more	2
Group S	Fewer than 30	1
	30 or more	2
Group R-2	Fewer than 21	1
	21 or more	2

A minimum of three exits or exit access doorways will be provided from any space, where the occupant load exceeds 500.

A minimum of four exits or exit access doorways will be provided from any space, where the occupant load exceeds 1000.

A minimum of two exits or exit access doorways will be provided from any space, where the common path of travel exceeds the code limits (see Table 13).

4.8.6 Exit and Exit Access Doors

Fire doors are required to be automatic- or self-closing and swing in the direction of egress travel where serving a space with an occupant load of 50 or more persons.

Panic hardware will be provided on all doors provided with latch or lock that are part of the means of egress from the assembly areas having an occupant load of 50 or more.

Egress doors will always be readily openable from the egress side without the use of a key or special knowledge or effort.

Doors from the dwelling units with an occupant load of 10 or less may have night latches, dead bolts or security chains if these devices are readily openable from the inside without the use of a key or tool.

Horizontal sliding doors may be used from spaces that have an occupant load of less than 10 people, or within single dwelling units in Group R-2 occupancies.

The doors will provide a minimum clear width of 32 inches (measured per Figure 5), with the exception of doors opening into storage closets less than 10 square feet in area. The maximum width of a swinging door leaf will be 48 inches.

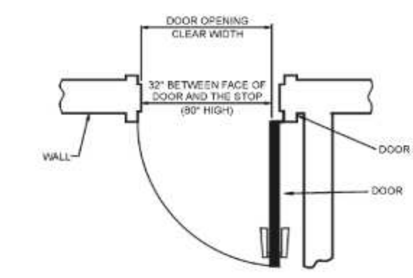


Figure 5 – Door exit width measurement

The space between two doors in a series will be at least 48 inches plus the width of the door swinging into the space (see Figure 6).

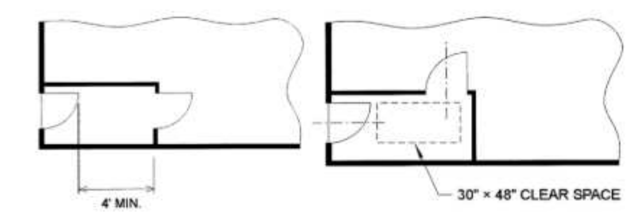


Figure 6 – Clear space between doors in a series

Door landings will be provided at the same elevation on either side of a door for a distance equal to the door width. Accessibility requirements may result in larger landings in some areas.

When fully open, doors will not project more than 7 inches into the landing or the required width of an egress element. Doors in any position will not reduce the landing or the required width of an egress element to less than one-half of its required width (see Figure 7).

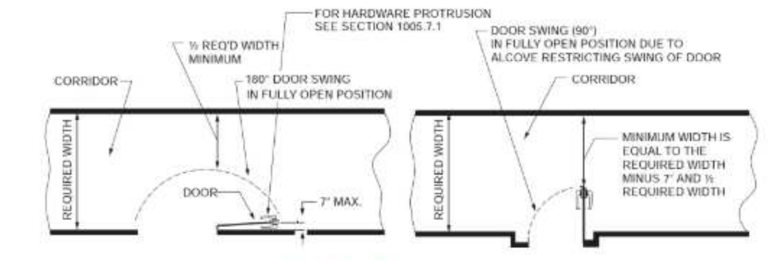


Figure 7 – Door encroachment

The fire door opening force will not be more than 15 lbs to release latch, 30 lbs to set door leaf in motion, and 15 lbs to fully open the door. The force for pushing or pulling open interior swinging egress doors, other than fire doors, cannot exceed 5 lbs.

Rooms and/or spaces that are not normally occupied will not open directly into exit enclosures.

4.8.7 Exit Separation

For areas requiring two exits, the exit doors or exit access doorways will not be closer than one-third of the length of the maximum overall diagonal dimension of the area served as per UBC 1007.1.1(2). The separation distance to exit or exit access doorways may be measured to any point along the width of the doorway (see Figure 8).

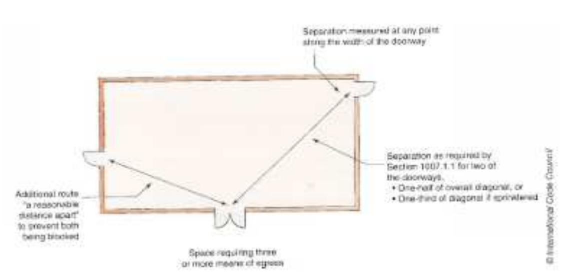


Figure 8 – Measurement of exit separation from a room

As per UBC 1007.1.1(1), where a 1-hour fire-resistance rated corridor is provided, the exit separation is permitted to be measured along the path of travel within the corridor (see Figure 9).

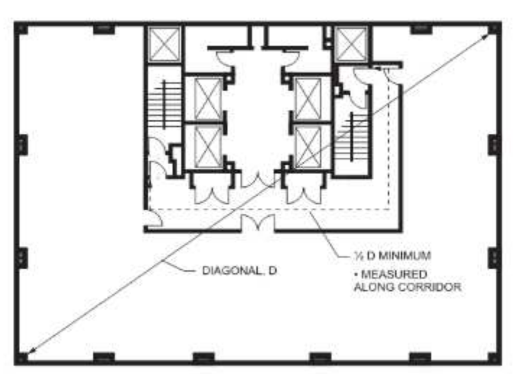


Figure 9 – Measurement of exit separation within a corridor (figure from IBC commentary)

Additional high-rise requirements for the buildings is that exit stairs shall be separated by 30-ft or 1/4 of the building diagonal, see Section 3.1.1.

For areas requiring three or more exits, at least two will be placed no closer than one-third the length of the maximum overall diagonal dimension of the area served. The additional exits will be placed such that if one exit becomes blocked, the other exit(s) will be available.

Exit access doorways will be separated by a horizontal distance equal to one-half the maximum horizontal dimension of large boiler and refrigeration machinery rooms.

4.8.8 Intervening Spaces

Egress from a room or a space to an exit or to a corridor will not pass through another room or intervening room, except where the room is accessory to the area served and provides a discernible egress path.

Egress will not pass through storage rooms, kitchens, closets or spaces used for similar purposes. An exit access will not pass through a room that can be locked to prevent egress.

4.8.9 Corridors

Per the code definition, a corridor is "an *enclosed exit access component that defines and provides a path of egress travel*". Corridors serving Group R occupancies are required to have a 0.5-hour fire-resistance rating.

4.8.10 Travel Distance / Common Path of Egress / Dead End Corridors

Table 13 – Travel distance / Common path of egress / Dead-end corridor limitations

Occupancy	Maximum Travel Distance[1]	Maximum Common Path of Egress Travel[2] (see Figure 11)	Maximum Dead-End Corridor Distance[3, 4] (see Figure 10)
Group A,	250 feet	75 feet	20 feet
Group B	300 feet	100 feet	50 feet
Group F-1	250 feet[5]	100 feet	50 feet
Group F-2	400 feet	100 feet	50 feet
Group R-2	250 feet	125 feet	50 feet
Group S-1	250 feet	100 feet	50 feet
Group S-2	400 feet	100 feet	50 feet

1 Travel distances to the nearest exit
2 The portion of the exit access, which the occupants are required to traverse before two separate and distinct paths of egress travel to two exits are available
3 Where more than one exit or exit access is required
4 A dead-end corridor is not limited in length where the length of the dead-end corridor is less than 2.5 times the least width of the dead-end corridor
5. All portions of refrigeration machinery room will be within 150 feet of an exit or exit access doorway

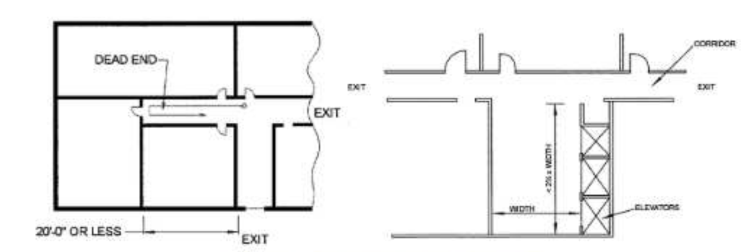


Figure 10 – Dead end corridor measurement

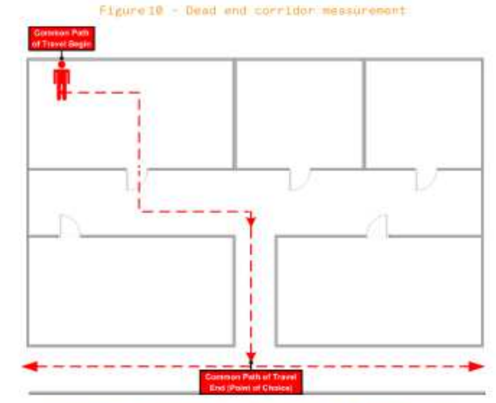


Figure 11 – Measurement of common path of egress travel

Exit access travel distance is required to be measured from the most remote point within a story along the natural and unobstructed path of horizontal and vertical egress travel to the entrance to an exit (see Figure 12).

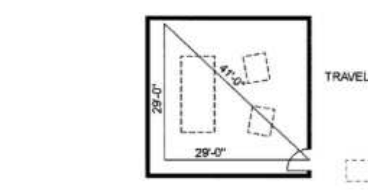


Figure 12 – Exit access travel distance measurement along an unobstructed path

4.8.11 Stairs

Projections into the required stairway width will not exceed 4.5 inches on each side located below the handrail height. Projections are not limited above the required headroom height.

Open risers are not permitted, with the exception of stairs that are not part of the accessible means of egress. These stairs may have openings between the treads that does not permit the passage of a sphere with a diameter of 4 inches.

At least one stairway is required to serve the highest roof level. If the roof or penthouses contains elevator equipment that must be accessed for maintenance, that roof level is also required to be accessed by a stairway.

4.8.12 Ramps

Ramps will have a running slope not steeper than one unit vertical in 12 units horizontal (8-percent slope).

Ramps will have minimum 60-inch long landings at the bottom and top of each ramp.

Where the ramp is not a part of an accessible route, the length of the landing is not required to be more than 48 inches in the direction of travel.

The rise of a ramp will not be over 30 inches between landings.

4.8.13 Handrails

Stairways will have handrails on each side.

Ramps with a rise greater than 6 inches will have handrails on both sides.

Handrails will be provided 34 to 38 inches above landings and nose of tread on each side.

Handrails will return to a wall, guard or the walking surface or will be continuous to the handrail of an adjacent flight of stairs or ramp run. Where handrails are not continuous between flights, the handrails are required to extend horizontally not less than 12 inches beyond the top riser and continue to slope for the depth of one tread beyond the bottom riser. At ramps where handrails are not continuous between runs, the handrails will extend horizontally above the landing 12 inches minimum beyond the top and bottom of ramp runs.

Stairways will have intermediate handrails located in such a manner that all portions of the stairway width required for egress capacity are within 30 inches of a handrail, which is permitted to project into the required stairway width up to 4.5 inches.

4.8.14 Guards

Guards will be located along open-sided walking surfaces, including mezzanines, stairs, ramps and landings that are located more than 30 inches measured vertically to the floor or grade below at any point within 36 inches horizontally to the edge of the open side.

Guards will also be provided where appliances, equipment, fans, roof hatch openings or other components that require service are located within 10 feet of a roof edge located more than 30 inches above the floor, roof or grade below. The guard will extend not less than 30 inches beyond each end of such roof component requiring protection.

Required guards will be not less than 42 inches high, measured vertically above the adjacent walking surfaces or the line connecting the leading edges of the treads.

Guards will not have openings which allow passage of a sphere 4 inches in diameter from the walking surface to the required guard height. (Guard protecting appliances, equipment, fans, roof hatch openings may be constructed so as to prevent the passage of a sphere 21 inches in diameter.)

4.8.15 Interior Exit Stairways

Enclosed exit stairs will be separated by 2-hour fire-resistive construction from the interior of the building with openings protected by assemblies having a 90-minute fire protection rating. Openings in enclosed exit stair shaft walls will be limited to those necessary for exit access to the enclosure from normally occupied spaces including egress corridors. Interior exit stairways are required to discharge:

- Directly to the outside,
- Through a continuous 2-hour fire-resistance rated exit passageway, or
- Through the level of exit discharge of the building as long as the way to the exterior is unobstructed and readily visible/identifiable from the termination of the exit enclosure. This option is limited to not more than half of the interior exit stairways and number of building occupants (see Section 3.4).

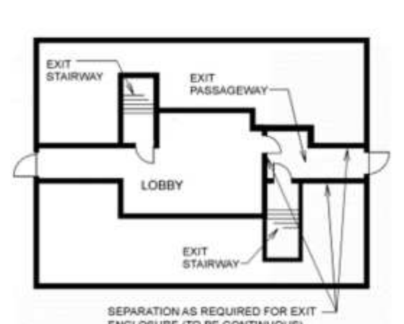


Figure 13 – Example exit stairway discharge configuration

Penetrations into an exit enclosure will be limited to sprinkler piping, standpipes, and electrical raceway serving the exit enclosure and terminating at a steel box not exceeding 16 square inches.

4.8.16 Accessible Means of Egress

Accessible spaces are required to be provided with not less than one accessible means of egress. Where more than one means of egress are required from any accessible space, each accessible portion of the space is required to be served by not less than two accessible means of egress.

Ramps, open exit access stairways, or interior or exterior exit stairways may be part of the accessible means of egress. However, stairways that connect levels in the same story are not permitted as part an accessible means of egress. The proposed accessible means of egress for the development consists of interior exit stairways and elevators.

Enclosed areas of refuge, enlarged floor level stair landings or stair vestibules are not required.

A two-way communication system will be provided at the elevator landings above grade levels (with the exception of service elevators) as noted below (see Figure 14):

- Two-way communication systems will provide communication between the elevator landings and a central control point location approved by the fire department.
- The two-way communication system will include both audible and visible signals.

- Directions for the use of the two-way communication system, instructions for summoning assistance via the two-way communication system and written identification of the location will be posted adjacent to the two-way communication system.

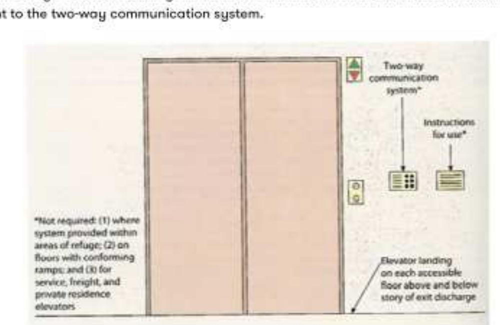


Figure 14 – Two-way communication system at elevator landing

4.9 Fire Suppression Systems

4.9.1 Automatic Fire Sprinkler Systems

Hydraulically calculated automatic fire sprinkler systems will protect the entire project. The automatic fire sprinkler systems will be designed to comply with NFPA 13.

No storage areas of ordinary combustibles are intended to have storage in excess of 12 feet in height. If storage in excess of 12 feet is later added, or storage of hazardous materials is introduced, it will be protected in accordance with NFPA 13 and the UFC.

The fire sprinkler system will be zoned per level and will be designed for Light Hazard in the residential apartments and Ordinary Hazard Group 1 in parking garage and the remainder of the development in accordance with NFPA 13 requirements.

As discussed in Section 3.1 and 3.3.1, Buildings A/B and C will be protected by independent automatic fire sprinkler systems, and each floor will be provided with control valves equipped with supervisory initiating devices and water-flow initiating devices.

4.9.2 Standpipes

Class I standpipe system will be installed, designed per the requirements of NFPA 14. The standpipes may be the automatic wet type, designed to provide a minimum pressure of 100 psi at the outlet of the hydraulically most remote 2-1/2-inch hose connections. 2-1/2-inch Class I connections will be provided at the following locations:

- In the main floor landings of all stairways. The hose connections will be located in such a manner so as not to obstruct egress when the hose lines are connected and charged.
- At the entrance from the exit passageway to other areas of a building.
- Supplemental locations to ensure that the most remote portion of each floor is within 150 ft of a standpipe hose connection (measured along the path of travel).

Standpipe risers will be protected by 2-hour construction unless they are within a stair enclosure. Standpipe laterals that are not located within an interior exit stairway are not required to be enclosed within fire rated construction.

4.9.3 Fire Pump

One fire pump is required for the entire building.

An electric motor driven fire pump will be provided for each building, installed per the requirements of NFPA 20. The electric motor will be connected to an emergency power source.

A dedicated, 2-hour fire-resistance-rated fire pump room is required, with direct exterior access or via a protected corridor connected to an exit enclosure accessible from the exterior.

The fire pump controllers will be readily accessible and located adjacent to the fire pump room exterior door. The controllers will be within sight of the motor.

4.9.4 Water Supply

The water supply will be provided by the municipal water supply system with two isolated connections. The underground fire mains will be installed to comply with NFPA 24.

In addition to the above, the building will require a secondary, on-site water supply as required for high-rise buildings, see Section 3.1.8.

The fire department connection (FDC) must be located adjacent to the usable stairways, where the standpipe hose connections are located. The FDC should be on the street that the building fronts to, and be visible from the approved fire apparatus access road. The FDC cannot be further than 100 feet of a fire hydrant, measured on an approved route. A 3-foot clear space will be maintained around the FDC.

The fire department connections will have at least 2-way inlets. To be discussed and confirmed by Park City Fire Department.

4.9.5 Portable Fire Extinguishers

The selection, installation, distribution, inspection, maintenance, and testing of portable fire extinguishers will be in accordance with the UFC.

Where each dwelling unit is provided with a portable fire extinguisher having a minimum rating of 1-A:10-B:C, other portable fire extinguishers will not be required except the following condition:

- On each floor of the structures under construction, in accordance with 3315.1 of the UFC.

For the Group A assembly spaces, portable fire extinguishers having a minimum rating of 2-A:10-B:C are recommended. The parking garage is an ordinary hazard space where Class B flammables are present, and 2A:20B extinguishers are recommended. The maximum travel distance to a portable fire extinguisher will not exceed 75 feet measured along normal paths of travel (50 feet in the parking garage). Portable fire extinguishers will be located in conspicuous locations where they are readily accessible and immediately available for use. Portable fire extinguishers will not obstructed or obscured from view.

Commercial kitchens will have Class K extinguishers with a maximum travel distance shall not exceed 30 ft from the hazard to the extinguishers.

4.10 Fire Detection and Occupant Notification Systems

4.10.1 Fire Alarm System

The fire alarm system incorporating emergency voice alarm/communications (EVACS) will be designed to comply with NFPA 72.

The following five distinctly different signals will be transmitted to the approved supervising station:

- Water flow alarm
- Fire alarm
- System trouble
- Supervisory
- Valve tamper supervisory

The main fire alarm control panel will be located in the fire command center, where the annunciation of all initiating devices of the project will be provided.

The EVACS will allow for zone by zone communication and all call. Each floor will be a separate fire alarm zone. The length of any zone will not exceed 300 feet in any direction, but the zones may coincide with the automatic

fire sprinkler zones. The fire alarm annunciation will be fully coordinated with the floor levels, stairs and elevators.

Each floor will constitute a separate occupant notification zone. The occupant notification system of the floors immediately above and below the fire floor will also activate simultaneously with the fire alarm on the fire floor, or as required by the local fire chief.

4.10.2 Emergency Voice Alarm-Signaling System

The operation of an automatic fire detector or a fire sprinkler waterflow device will automatically sound an alert tone followed by recorded voice instructions. The voice message will be a direction for evacuation, and not any kind of message that could be construed as a reason to wait for instructions.

The voice alarm notification will be audible throughout the evacuation zone. The voice communications systems will be capable of the reproduction of prerecorded, synthesized, or live messages with voice intelligibility through speakers located in elevators, exit stairways and throughout a selected floor or floors.

A manual override for emergency voice communication will be provided for all paging zones.

At a minimum, paging zones will be provided as follows:

- Elevator groups (manual paging only)
- Interior exit stairways (manual paging only)
- Each floor

The emergency voice alarm-signaling system will be a dual-channel system, capable of sending two separate messages to different zones.

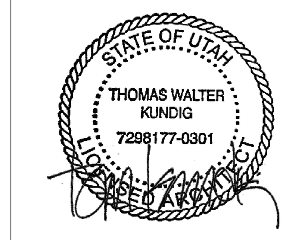
The audibility will exceed the ambient sound level in the room or space by 15 decibels minimum, or exceed any maximum sound level with a duration of 60 seconds by 5 decibels, whichever is louder. Sound levels will be maximum 110 decibels at the minimum hearing distance from the audible appliance.

The fire alarm panel will contain controls for manually activating the voice alarm system on a selective and general basis.

When activated, the voice alarm system will automatically override all other sound systems that would interfere with the required sound pressure levels.

The voice alarm system will be zoned to be coordinated with fire alarm and sprinkler zones.

A fire alarm speaker will not be provided in the fire command center.



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date 05/17/2024

revisions:

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4.10.3 Initiating Devices

- Automatic sprinkler system waterflow switches.
- Smoke detectors located:
  - In front of each entry to smokeproof enclosures.
  - In front of elevators.
  - In the elevator hoistway, elevator machine room, elevator machinery spaces, elevator control spaces, or elevator control rooms.
  - For release of automatic closing doors with magnetic hold opens devices.
  - Within 5-feet horizontally of smoke dampers at un-ducted openings in walls.
  - At the location of each fire alarm control unit, notification appliance circuit power extenders and supervising station transmitting equipment.
- Smoke detectors in air distribution systems, where air distribution systems are capable of spreading smoke beyond the room or space in which the smoke is generated:
  - In return air systems with design capacity in excess of 2,000 cfm.
  - At each connection to a vertical duct or riser serving two or more stories from a return air duct or plenum of an air-conditioning system. On the hotel levels, a smoke detector is allowed to be used in each return air riser carrying not more than 5,000 cfm and serving not more than 10 air-inlet openings.
- Manual fire alarm boxes located at the main entrance lobbies.
- Heat detectors located in areas where the installation of smoke detectors may not be appropriate due to high probability of nuisance alarms when approved by the local fire code official.
- Duct smoke detectors will shut down or close the associated equipment and will send a supervisory signal to the fire alarm panel and will not initiate the occupant notification system.

Fire pump running condition will send a supervisory signal to the fire alarm panel and will not initiate the occupant notification system.

4.11 Sleeping Area Requirements (Low Frequency Sounders)

NFPA 72 Section 18.4.6 has specific requirements for sleeping areas. Audible appliances for sleeping areas will produce a sound level of at least 15 dB above the average ambient sound level or 5 dB above the maximum sound level having a duration of at least 60 seconds or a sound level of at least 75 dBA, whichever is greater. These audible appliances provided for the sleeping areas to awaken occupants are required produce a low frequency alarm signal and have a fundamental frequency of 520 Hz +/- 10 percent.

4.12 Smoke Alarms

Smoke alarms are required to be installed in dwelling units at the following locations:

- On the ceiling or wall outside each separate sleeping area in the immediate vicinity of the bedroom.
- In each room used for sleeping purposes.
- Each story within a dwelling unit.

- Within a minimum 20-foot horizontal distance from a permanently installed cooking appliance. A smoke detector can be used as well.

Smoke alarms shall not be installed less than a 3-foot horizontal distance from the door or opening of a bathroom that contains a bathtub or shower. There may be other areas that require smoke alarm coverage in the dwelling unit based on the appliances provided and the configuration of the unit. The full list of specific locations can be found in NFPA 72 29.8.3.4.

If more than one smoke alarm is located within an individual dwelling unit, they will be required to be interconnected. The activation of one smoke alarm will activate all other alarms in the individual unit. The smoke alarm shall be clearly audible in all bedrooms with all intervening doors closed. The smoke alarms will receive primary power from the building's electrical system and will be equipped with backup batteries. Battery backup is not required if the smoke alarms are connected to the building's emergency power.

4.13 Carbon Monoxide Detection

Carbon monoxide detection is required, per UFC Section 1103.9, to be in dwelling units if the building contains fuel-burning appliances and fuel-burning fireplaces. Fuel-burning forced-air furnaces serving dwelling units are required to have carbon monoxide detection as well. Carbon monoxide detection is required to be installed in the following locations:

- Outside of each separate sleeping area in the immediate vicinity of the bedrooms
- On every occupiable level of a dwelling unit, including basements.
- Where a fuel-burning appliance is located within a bedroom or its attached bathroom, carbon monoxide shall be installed within the bedroom.

Carbon monoxide detection can be provided by either carbon monoxide alarms or carbon monoxide detection systems. Combination carbon monoxide/smoke alarms are acceptable to be installed if listed in accordance with UL 2034 and UL 217.

If more than one carbon monoxide alarm is located within an individual dwelling unit, they will be required to be interconnected. The activation of one carbon monoxide alarm will activate all other carbon monoxide alarms in the individual unit. The smoke alarms will receive primary power from the building's electrical system and will be equipped with backup batteries.

4.13.1 Supervisory Signals

The fire alarm system will receive supervisory signals from the following devices:

- Automatic fire sprinkler and standpipe system control valves.
- Duct smoke detectors.
- Fire pump controller (loss of phase, phase reversal, pump running, pump running on emergency power).

- Emergency generator status indicators.
- First responder radio amplification system.

4.13.2 Visual Alarms

Visual alarm devices will be located at all accessible public- and common-use areas, including toilet rooms, hallways and lobbies. Where the average ambient noise is greater than 105 decibels, visible alarm notification appliances only will be provided. Visual alarm devices are not required in exit enclosures and elevator cabs.

Each story that contains dwelling units will be provided with the capability to support visible alarm notification appliances.

Visual signaling appliances will operate in unison with the occupant notification system and will be synchronized as required by NFPA 72 (up to two separate groups of synchronized strobes are allowed within the field of view).

4.14 Elevators

4.14.1 Hoistway Protection

All elevator hoistways will be of 2-hour fire-resistive construction, with the exception of elevator hoistways that only connect two adjacent stories.

The elevator machine rooms, elevator machinery spaces, elevator control spaces, or elevator control room swill have 2-hour fire-resistance-rated enclosures.

4.14.2 Venting

Elevator machine rooms, machinery spaces that contain the driving machine, and control rooms or spaces that contain the operation or motion controller for elevator operation are required to be provided with an independent ventilation or air-conditioning system to protect against the overheating of the electrical equipment.

Elevator hoistway smoke vents are not required.

4.14.3 Elevator Lobby

The elevator hoistway openings are required to be protected at each floor where an elevator shaft enclosure connects more than two stories. The elevator hoistway openings are not required to be protected at the street floor level or level of exit discharge. There are three options:

1. Traditional elevator lobby enclosures formed by 1-hour fire partitions. Doors in fire partitions are required to meet the requirements for a smoke and draft control door assembly tested in accordance with UL 1784.

2. An additional door (tested in accordance with UL 1784) to protect the hoistway opening. This door can be pocketed adjacent to the hoistway door and swing 180 degrees.
3. An elevator hoistways pressurization system.

Drawings indicate that the hoistways will open into residential corridors and that elevator lobbies will not be available in the development, and as such Options 2 and 3 are of interest, see Section 3.5.

Signage (also tactile) will be provided in front of the elevator landing, indicating to not use the elevator in case of fire. The signs will be pictorial signs and include the text that read "IN FIRE EMERGENCY, DO NOT USE ELEVATOR, USE EXIT STAIRS."

4.14.4 Elevator Recall

Elevators will be provided with emergency recall capabilities. Activation of a smoke detector in front of the elevators or elevator machine room smoke detector will cause automatic recall of the elevator to the primary recall level and will be under manual control only. Manual controls for elevator recall will be provided at the main grade level lobby of each elevator hoistway.

4.14.5 Manual Override

A three-position (on/off/bypass), key-operated switch will be provided at the primary recall level for each elevator for emergency override.

A three-position (on/off/hold), key-operated switch will be provided inside each elevator cab.

Elevator keys will be provided for the Fire Department in a lockable cabinet in the fire command center.

4.15 Emergency and Standby Power

4.15.1 Secondary Power

Secondary Power is split into two categories: Standby Power and Emergency Power. Emergency Power systems shall automatically provide power within 10 seconds after primary power is lost, while Standby Power systems shall automatically provide power within 60 seconds after primary power is lost.

4.15.2 Systems on Emergency or Standby Power

Emergency power will supply the following systems at a minimum (10 seconds transfer time):

- Exit signs.
- Means of egress illumination.
- Fire sprinkler alarm and supervisory systems.
- Fire alarm and supervisory systems.
- Fire detection and supervisory systems.
- Fire pump controller.

- Electrically powered fire pumps.
- Elevator car lighting.
- Radio repeater system.

Standby power will supply the following systems at a minimum (60 seconds transfer time):

- One elevator in each bank. The standby power will be manually transferable to any elevator in each bank.
- Where standby power is connected to elevators, the machine room ventilation or air conditioning shall be connected to the standby power source. Power and lighting for the fire command center.
- Fans serving shafts with steel exhaust subducts for the omission of dampers.
- Stair pressurization fans.

4.16 Fire Department Operations

4.16.1 Site Fire Department Access

Per the UFC, approved fire apparatus access roads are required to extend to within 150 feet of all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building. The only access to the development is along the new extension of Marsac Avenue along the north side of the development, and as such does not meet the 150 feet requirement.

The fire code official is authorized to increase the dimension of 150 feet where the building is equipped throughout with an approved automatic sprinkler system, or where fire apparatus access roads cannot be installed because of the location on property, topography, waterways, nonnegotiable grades or other similar conditions, and an approved alternative means of fire protection is provided.

The proposed fire apparatus access should be confirmed with Park City Fire Department.

The site fire department access roadway must meet the following requirements:

- Unobstructed width = 20 feet (exclusive of shoulders)
- Unobstructed height = 13 feet 6 inches
- Surface = capable of sustaining the imposed load of fire apparatus (75,000 lb) and must be an approved all-weather surface
- Minimum turning radius of 28 feet.
- Dead-ends in excess of 150 feet must be provided with an approved turn-around
- Grade ± 6% unless approved by the Park City Fire Department

4.16.2 Site Fire Department Utilities

Fire hydrants are required to be provided along the fire apparatus access road per the Park City Fire Department "Fire and Life Safety Development Guidelines". The fire-flow calculation requirement needs to be discussed with the Park City Fire Department, and is based on the construction type and area of the building.

Fire hydrants shall have an average spacing of 300 feet along streets and access roads adjacent to the buildings. When any portion of a building is in excess of 400 feet from a fire hydrant, on-site hydrants and mains capable of supplying the required fire flow shall be provided. The minimum water main size shall be 8 inches.

4.16.3 Fire Command Center

The fire command center will be minimum 200 square feet in area with a minimum dimension of 10 feet. The fire command center will be separated from other portions of the building by 1-hour fire barriers. The fire command center will be located in a location approved by the fire code official. A sign will be located on the door to indicate the fire command center location. The fire command center will be provided with an independent ventilation or air-conditioning system.

The fire command center will be provided with:

- The emergency voice/alarm communication system unit.
- The fire department communications system.
- Fire detection and alarm system annunciator.
- Annunciator unit visually indicating the location of the elevators and whether they are operational.
- Status indicators and controls for air distribution systems.
- The fire fighter's control panel for smoke removal and stair pressurization systems installed in the building.
- Controls for unlocking interior exit stairway doors simultaneously.
- Sprinkler valve and waterflow detector display panels.
- Emergency and standby status indicators.
- A telephone for fire department use with controlled access to the public telephone system.
- Fire pump status indicators.
- Schematic building plans indicating the typical floor plan and detailing the building core, means of egress, fire protection systems, fire-fighting equipment and fire department access and the location of fire walls, fire barriers, fire partitions, smoke barriers and smoke partitions.
- An approved Building Information Card.
- Work table.
- Generator supervision devices, manual start and transfer features.
- Public address system, where required.
- Elevator fire recall switch.
- Elevator emergency or standby power selector switch(es).

4.16.4 Emergency Responder Radio Coverage

Sommet Blanc is required to be constructed with an ERRC system infrastructure (i.e., rated enclosures, pathways, conduit, access panels, etc.) installed at the start of the project. Not less than a two-inch conduit having a minimum two-hour fire resistive rating is required to be installed between the first floor to the roof. If

the conduit is installed to be shared, load calculations are required to be provided demonstrating the volume capacity is not diminished by the size installed.

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no.	date	by

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05/17/2024

CODE SUMMARY - FIRE LIFE SAFETY REPORT

A0.23

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3)
   A. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OCCUPANCY R-2 = 125' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS

3. EXIT ACCESS AND DOORWAYS (1006.2.1)
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29
   R-2 = 20

4. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS

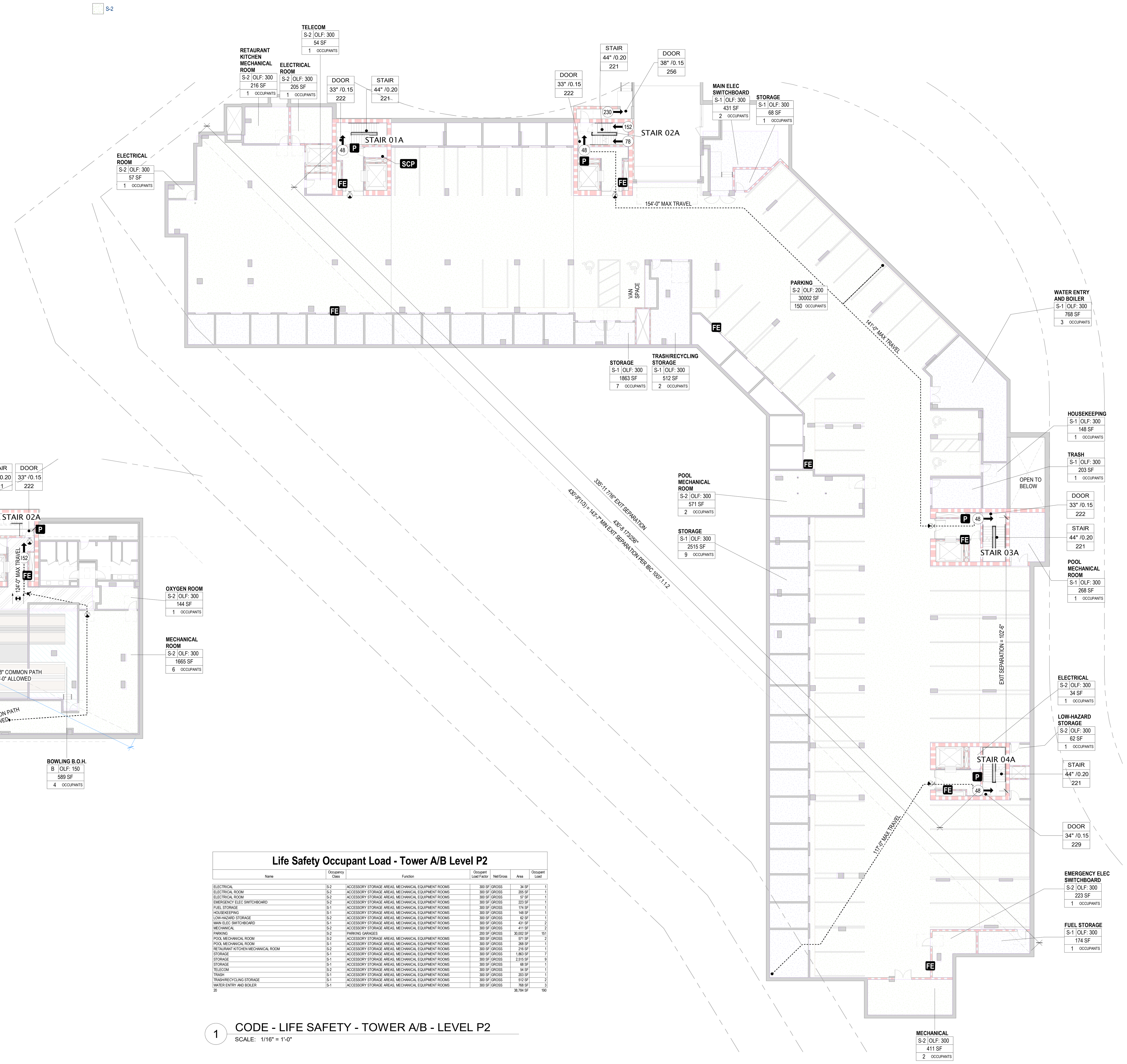
5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

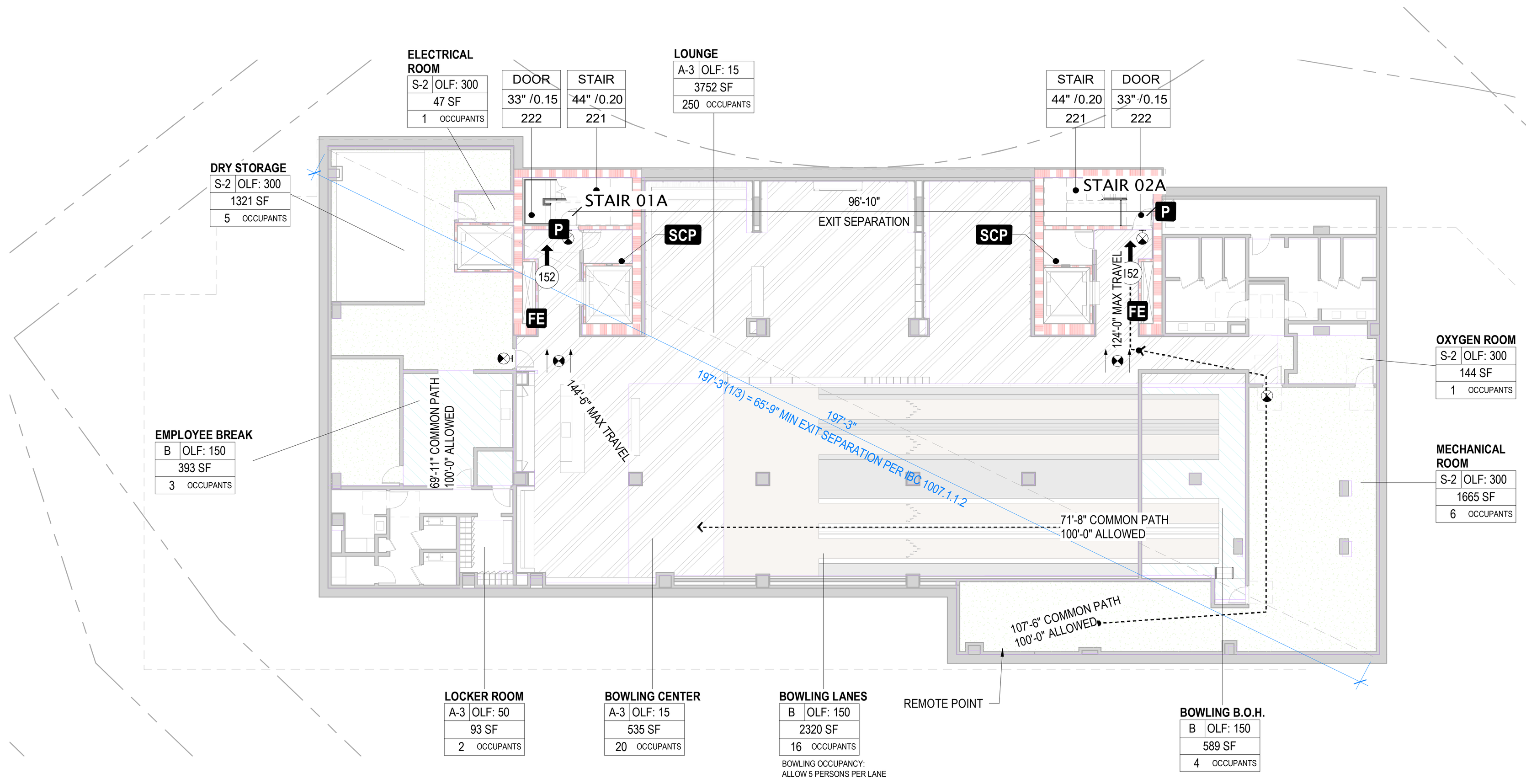
LEGEND

Symbol	Meaning
DOOR / 33" / 0.15 / 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
↑ x	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
	EXIT SIGN LOCATION
- - - -	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
	1-HOUR WALL RATING
	2-HOUR WALL RATING
	ELEVATOR SMOKE CURTAIN

OCCUPANCY TYPE LEGEND

- S-1
- S-2





Life Safety Occupant Load - Tower A Level B						
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
BOWLING B.O.H.	B	BUISNESS AREAS	150 SF	GROSS	589 SF	
BOWLING CENTER	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	535 SF	20
BOWLING LANES	B	BOWLING CENTERS	7 SF	NET	2,320 SF	16
DRY STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	1,321 SF	5
ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	47 SF	1
EMPLOYEE BREAK	B	BUISNESS AREAS	150 SF	GROSS	393 SF	3
LOCKER ROOM	A-3	LOCKER ROOMS	50 SF	GROSS	93 SF	
LOUNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	3,752 SF	251
MECHANICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	1,665 SF	6
OXYGEN ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	144 SF	1
10					10,860 SF	303

2 CODE - LIFE SAFETY - TOWER A - LEVEL B
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower A/B Level P2						
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELECTRICAL	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	34 SF	1
ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	205 SF	1
ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	57 SF	1
EMERGENCY ELEC SWITCHBOARD	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	223 SF	1
FUEL STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	174 SF	1
HOUSEKEEPING	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	148 SF	1
LOW-HAZARD STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	62 SF	1
MAIN ELEC SWITCHBOARD	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	431 SF	2
MECHANICAL	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	411 SF	2
PARKING	S-2	PARKING GARAGES	200 SF	GROSS	30,002 SF	151
POOL MECHANICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	571 SF	2
POOL MECHANICAL ROOM	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	268 SF	1
RETAURANT KITCHEN MECHANICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	216 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	1,863 SF	7
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	2,515 SF	9
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	68 SF	1
TELECOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	54 SF	1
TRASH	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	203 SF	1
TRASH/RECYCLING STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	512 SF	2
WATER ENTRY AND BOILER	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	768 SF	3
20					38,784 SF	190

1 CODE - LIFE SAFETY - TOWER A/B - LEVEL P2
SCALE: 1/16" = 1'-0"

STATE OF UTAH
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date 05/17/2024

revisions:

no.	date		by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1	

IFC SET 2 OF 3
05/17/2024

CODE ANALYSIS - LIFE SAFETY - TOWER AB PODIUM

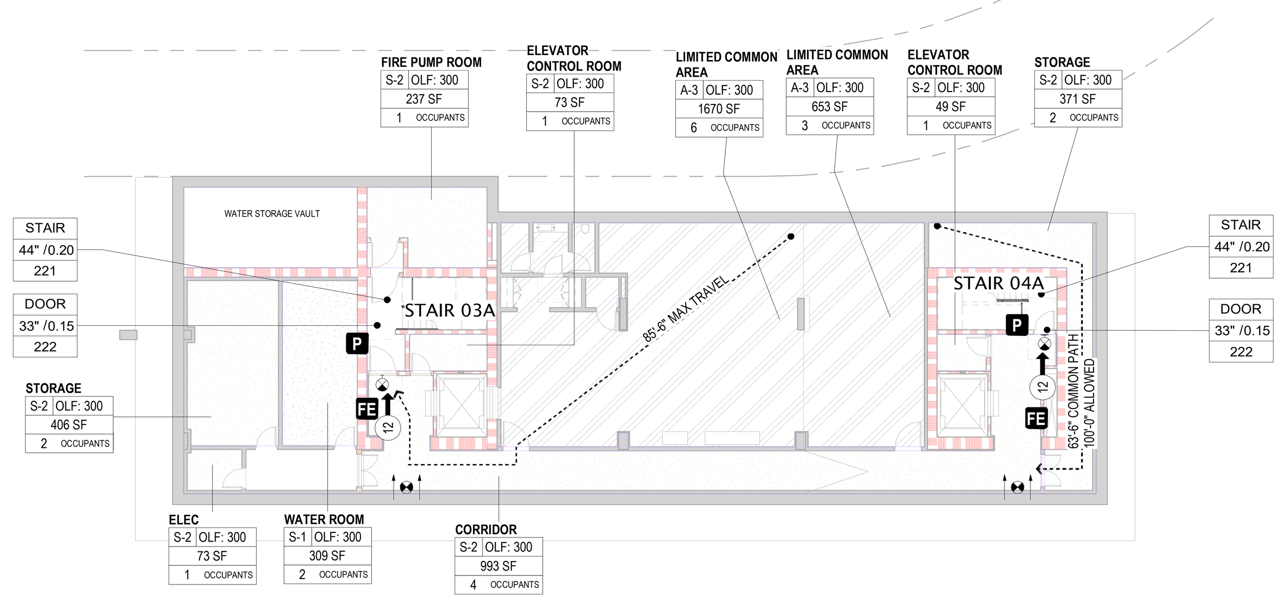
A0.30

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3)
   A. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OCCUPANCY R-2 = 125' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS
3. EXIT ACCESS AND DOORWAYS (1006.2.1)
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29
   R-2 = 20
4. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS
5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

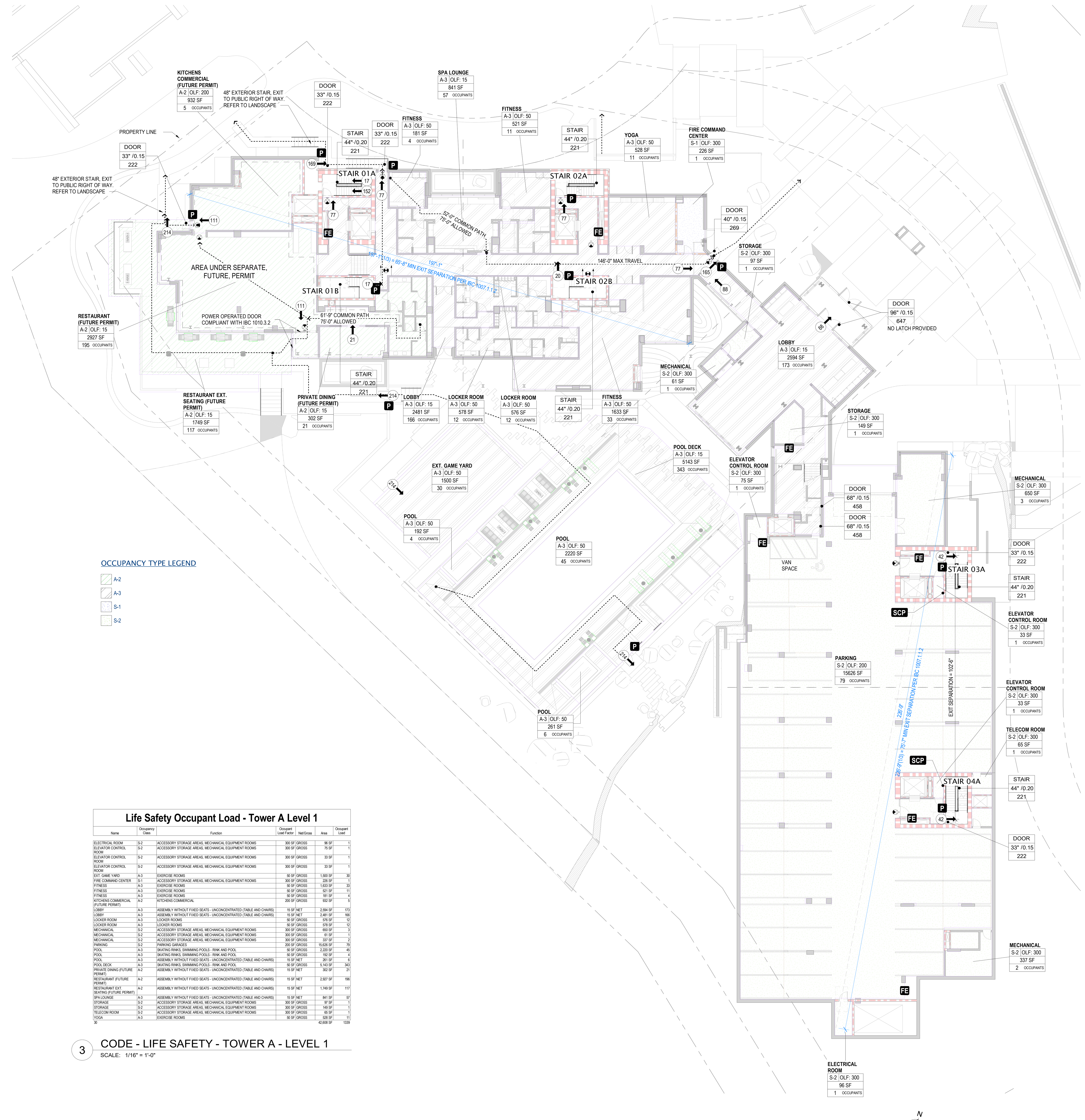
DOOR / 33" / 0.15 / 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
x	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
	EXIT SIGN LOCATION
	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
	1-HOUR WALL RATING
	2-HOUR WALL RATING
	ELEVATOR SMOKE CURTAIN



Life Safety Occupant Load - Tower B Level B

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
CORRIDOR	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	993 SF	4
ELEC	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	73 SF	1
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	49 SF	1
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	73 SF	1
FIRE PUMP ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	237 SF	1
LIMITED COMMON AREA	A-3	RESIDENTIAL	200 SF	GROSS	1,670 SF	6
LIMITED COMMON AREA	A-3	RESIDENTIAL	200 SF	GROSS	653 SF	3
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	406 SF	2
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	371 SF	2
WATER ROOM	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	309 SF	2
10					4,834 SF	23

1 CODE - LIFE SAFETY - TOWER B - LEVEL B
SCALE: 1/16" = 1'-0"

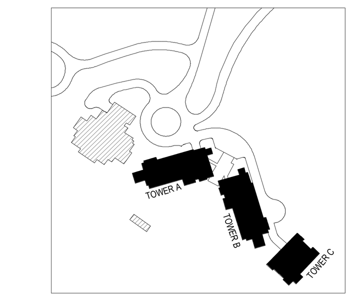


Life Safety Occupant Load - Tower A Level 1

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	96 SF	1
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	75 SF	1
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	33 SF	1
ELEVATOR CONTROL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	33 SF	1
EXT. GAME YARD	A-3	EXERCISE ROOMS	50 SF	GROSS	1,500 SF	30
FIRE COMMAND CENTER	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	226 SF	1
FITNESS	A-3	EXERCISE ROOMS	50 SF	GROSS	1,633 SF	33
FITNESS	A-3	EXERCISE ROOMS	50 SF	GROSS	521 SF	11
FITNESS	A-3	EXERCISE ROOMS	50 SF	GROSS	181 SF	4
KITCHENS COMMERCIAL (FUTURE PERMIT)	A-2	KITCHENS COMMERCIAL	200 SF	GROSS	932 SF	5
LOBBY	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	2,594 SF	173
LOBBY	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	2,481 SF	166
LOCKER ROOM	A-3	LOCKER ROOMS	50 SF	GROSS	576 SF	12
LOCKER ROOM	A-3	LOCKER ROOMS	50 SF	GROSS	578 SF	12
MECHANICAL	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	650 SF	3
MECHANICAL	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	61 SF	1
MECHANICAL	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	337 SF	2
PARKING	S-2	PARKING GARAGES	200 SF	GROSS	15,626 SF	79
POOL	A-3	SKATING RINKS, SWIMMING POOLS - RINK AND POOL	50 SF	GROSS	2,220 SF	45
POOL	A-3	SKATING RINKS, SWIMMING POOLS - RINK AND POOL	50 SF	GROSS	192 SF	4
POOL	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	261 SF	6
POOL DECK	A-3	SKATING RINKS, SWIMMING POOLS - RINK AND POOL	50 SF	GROSS	5,143 SF	343
PRIVATE DINING (FUTURE PERMIT)	A-2	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	302 SF	21
RESTAURANT (FUTURE PERMIT)	A-2	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	2,927 SF	196
RESTAURANT EXT. SEATING (FUTURE PERMIT)	A-2	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	1,749 SF	117
SPA LOUNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	841 SF	57
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	97 SF	1
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	149 SF	1
TELECOM ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	65 SF	1
YOGA	A-3	EXERCISE ROOMS	50 SF	GROSS	528 SF	11
30					42,608 SF	1339

3 CODE - LIFE SAFETY - TOWER A - LEVEL 1
SCALE: 1/16" = 1'-0"

STATE OF UTAH
THOMAS WALTER KUNDIG
7298177-0301
LICENSED ARCHITECT



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date 05/17/2024

revisions:

no.	date		by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1	

IFC SET 2 OF 3
05/17/2024

CODE ANALYSIS - LIFE SAFETY - TOWER AB PODIUM

A0.31

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3)
   A. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OCCUPANCY R-2 = 125' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS

3. EXIT ACCESS AND DOORWAYS (1006.2.1)
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29
   R-2 = 20

4. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS

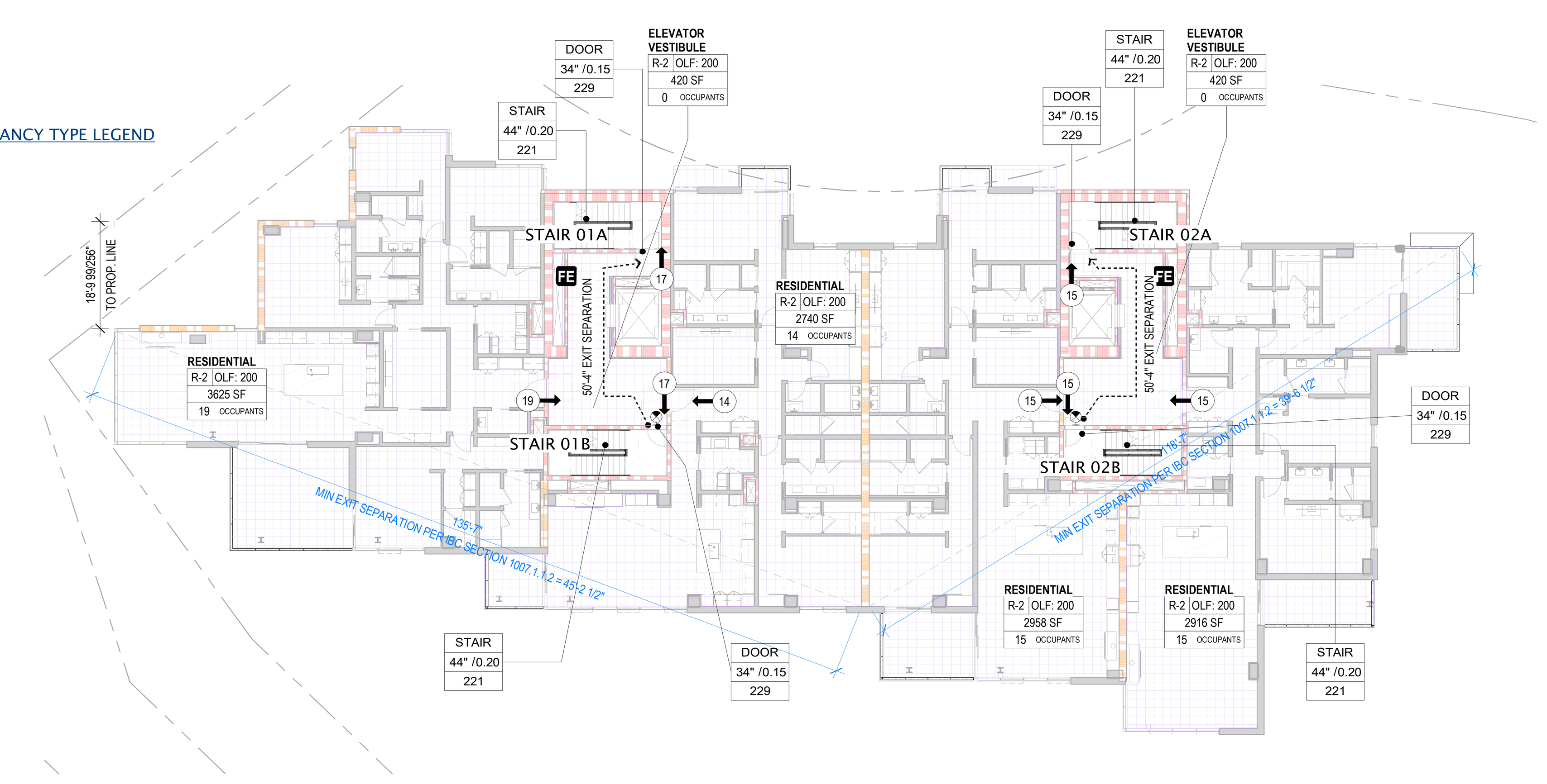
5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

Symbol	Description
DOOR / 33" / 0.15 / 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
x (with arrow)	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
(exit sign symbol)	EXIT SIGN LOCATION
(dashed line)	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
(fill)	1-HOUR WALL RATING
(red hatch)	2-HOUR WALL RATING
(lines)	ELEVATOR SMOKE CURTAIN

OCCUPANCY TYPE LEGEND

R-2



Life Safety Occupant Load - Tower A Level 4

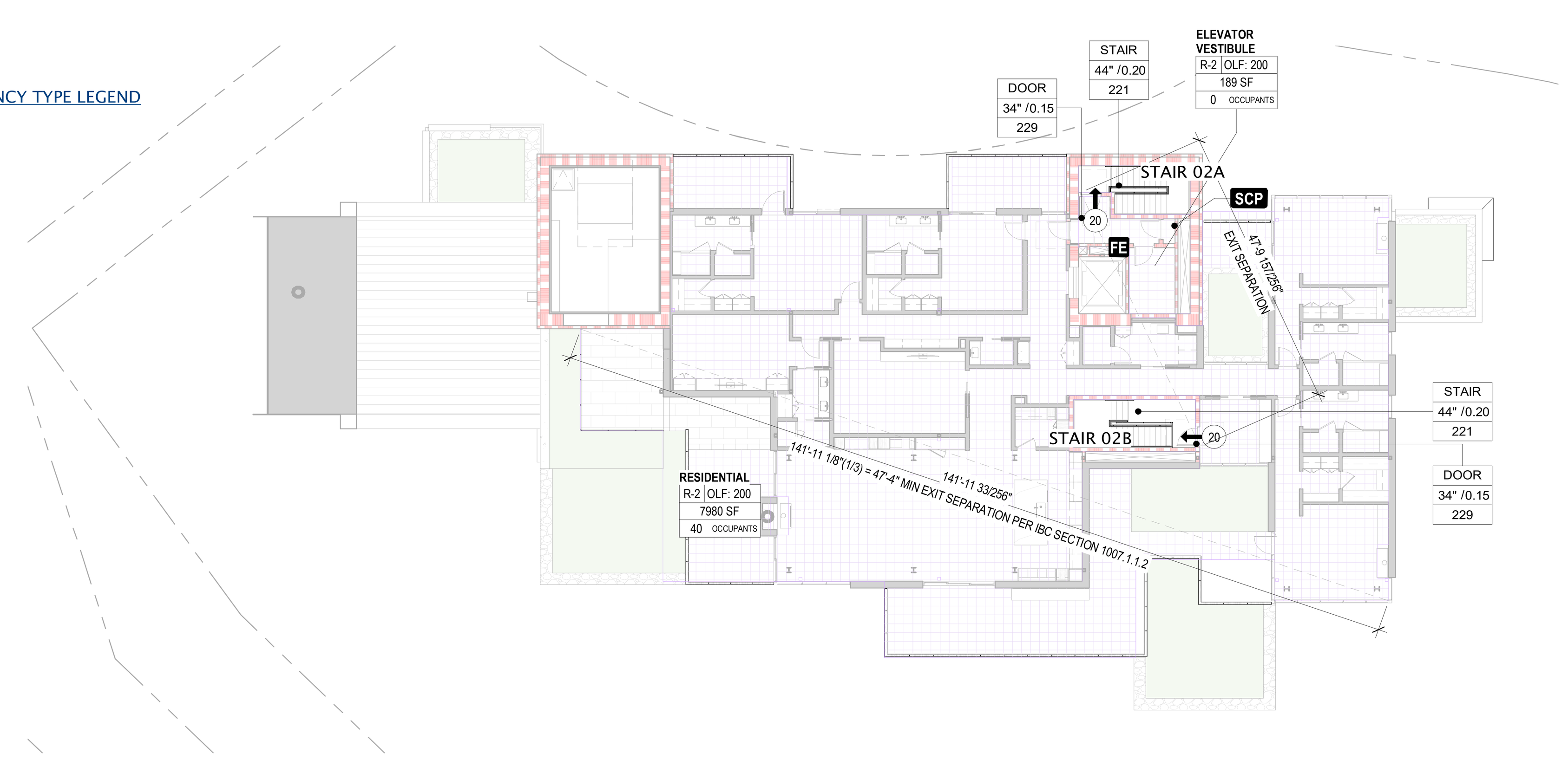
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	3,625 SF	19
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,958 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,916 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,740 SF	14
6					13,079 SF	63

2 CODE - LIFE SAFETY - TOWER A - LEVEL 4

SCALE: 1/16" = 1'-0"

OCCUPANCY TYPE LEGEND

R-2



Life Safety Occupant Load - Tower A Level 6

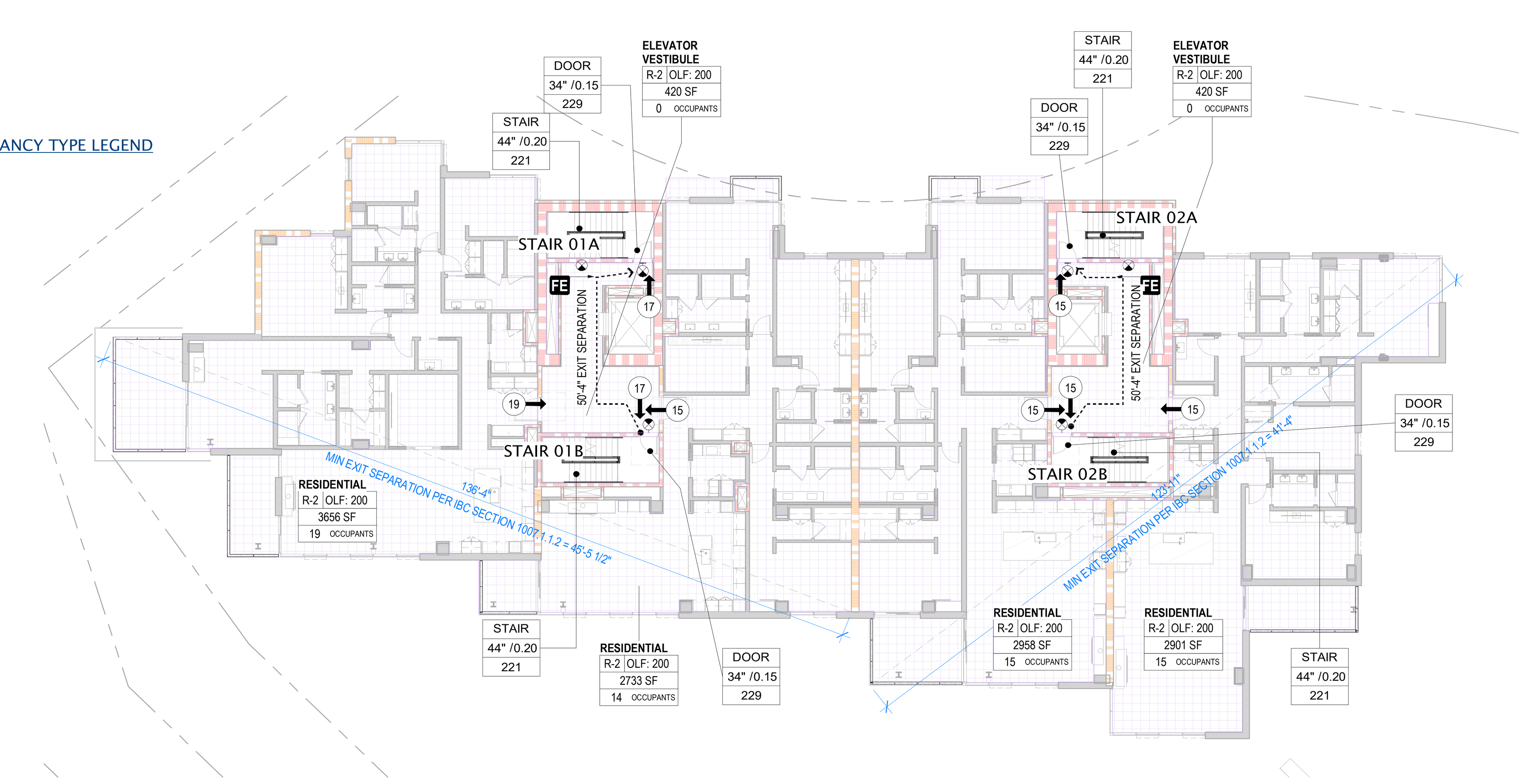
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	189 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	7,980 SF	40
2					8,169 SF	40

4 CODE - LIFE SAFETY - TOWER A - LEVEL 6

SCALE: 1/16" = 1'-0"

OCCUPANCY TYPE LEGEND

R-2



Life Safety Occupant Load - Tower A Level 3

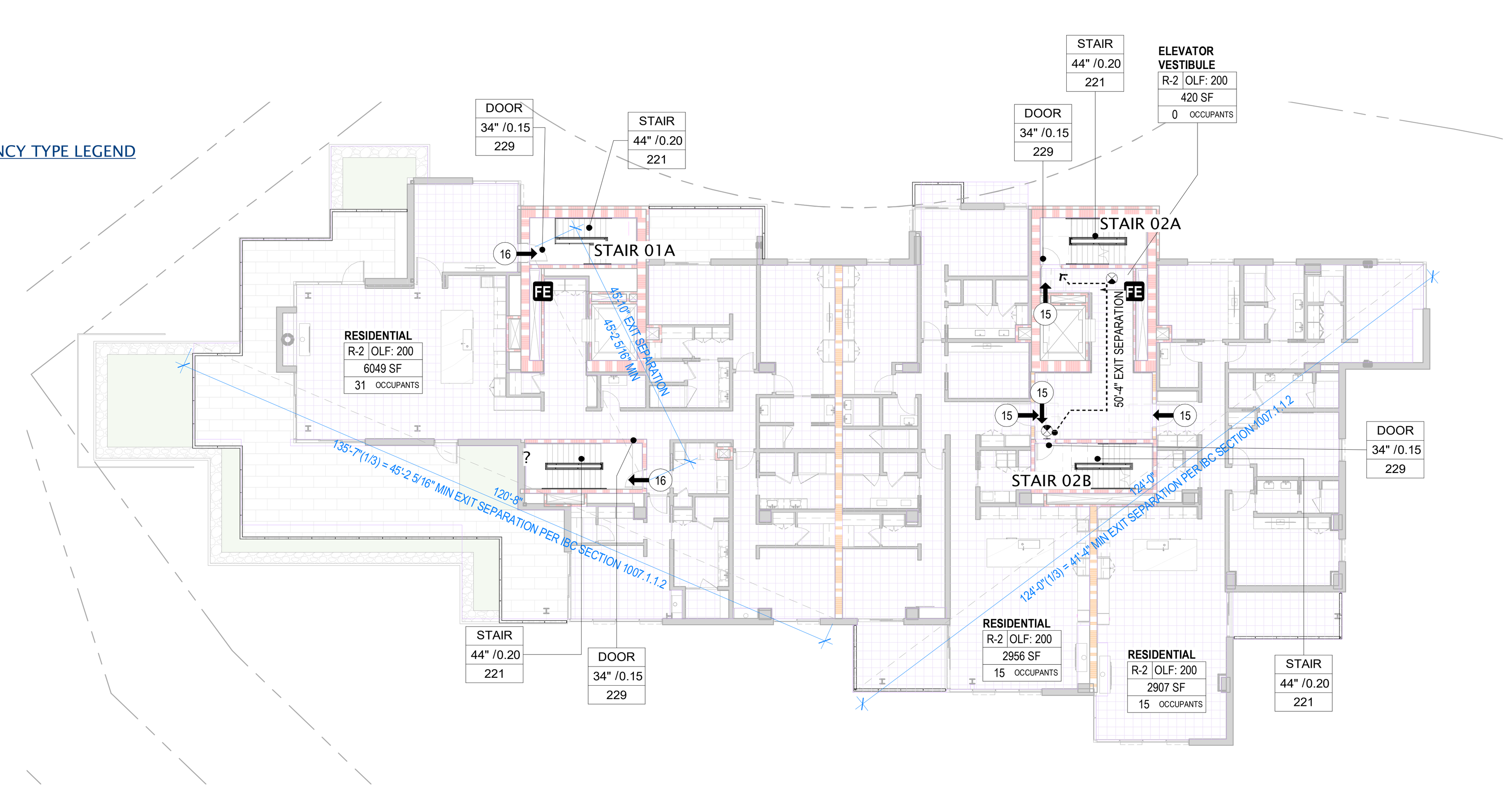
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	3,656 SF	19
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,733 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,958 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,901 SF	15
6					13,087 SF	63

1 CODE - LIFE SAFETY - TOWER A - LEVEL 3

SCALE: 1/16" = 1'-0"

OCCUPANCY TYPE LEGEND

R-2



Life Safety Occupant Load - Tower A Level 5

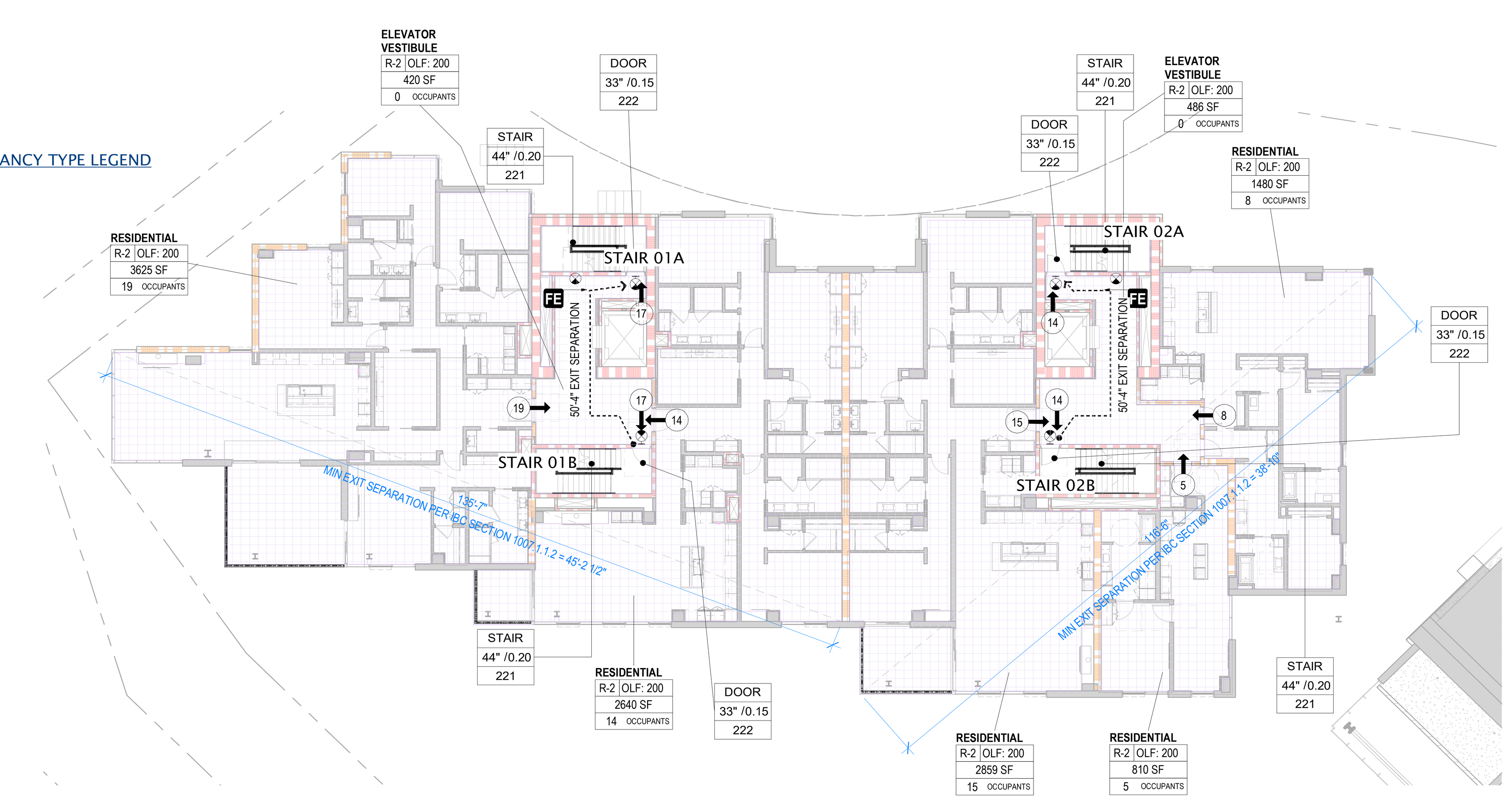
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	6,049 SF	31
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,956 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,907 SF	15
4					12,332 SF	61

3 CODE - LIFE SAFETY - TOWER A - LEVEL 5

SCALE: 1/16" = 1'-0"

OCCUPANCY TYPE LEGEND

R-2

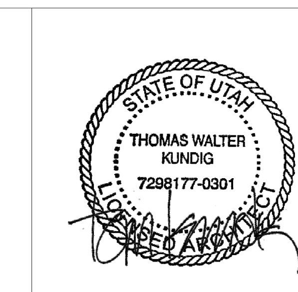


Life Safety Occupant Load - Tower A Level 2

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	486 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	3,625 SF	19
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,640 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,859 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	1,480 SF	8
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	810 SF	5
7					12,320 SF	61

5 CODE - LIFE SAFETY - TOWER A - LEVEL 2

SCALE: 1/16" = 1'-0"



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checked by JB
job no. 20052
date 05/17/2024

revisions:

no.	date		by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1	

IFC SET 2 OF 3
05/17/2024

CODE ANALYSIS - LIFE SAFETY - TOWER A

A0.32

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3):
   A. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OCCUPANCY R-2 = 125' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS

3. EXIT ACCESS AND DOORWAYS (1006.2.1)
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29
   R-2 = 20

4. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS

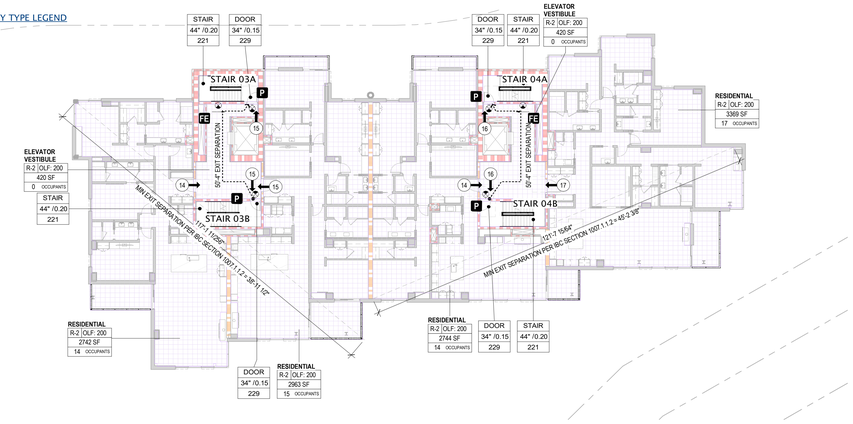
5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

DOOR / 33" / 0.15 / 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
x	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
	EXIT SIGN LOCATION
	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
	1-HOUR WALL RATING
	2-HOUR WALL RATING
	ELEVATOR SMOKE CURTAIN

OCCUPANCY TYPE LEGEND

R-2



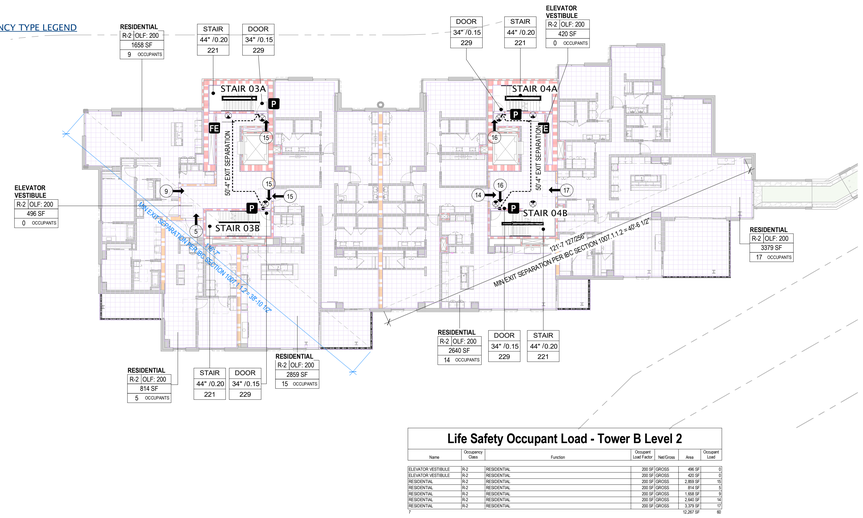
Life Safety Occupant Load - Tower B Level 3

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,742 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,963 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,744 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	3,369 SF	17
6					12,638 SF	80

3 CODE - LIFE SAFETY - TOWER B - LEVEL 3
SCALE: 1/16" = 1'-0"

OCCUPANCY TYPE LEGEND

R-2



Life Safety Occupant Load - Tower B Level 2

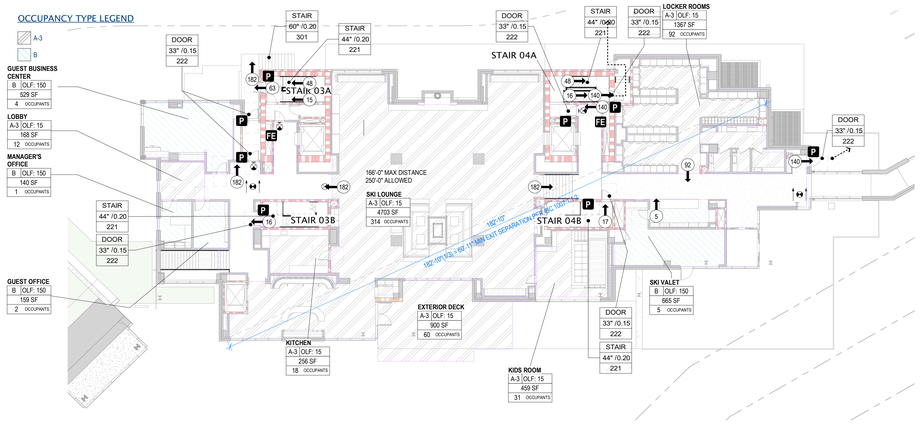
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	496 SF	3
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF	GROSS	420 SF	0
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,859 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	1,658 SF	9
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	814 SF	5
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	2,640 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	3,379 SF	17
7					12,267 SF	63

2 CODE - LIFE SAFETY - TOWER B - LEVEL 2
SCALE: 1/16" = 1'-0"

OCCUPANCY TYPE LEGEND

A-3

B



Life Safety Occupant Load - Tower B Level 1

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
EXTERIOR DECK	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	900 SF	60
GUEST BUSINESS CENTER	B	BUSINESS AREAS	150 SF	GROSS	529 SF	4
GUEST OFFICE	B	BUSINESS AREAS	150 SF	GROSS	159 SF	2
KIDS ROOM	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	459 SF	31
KITCHEN	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	256 SF	18
LOBBY	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	168 SF	12
LOCKER ROOMS	A-3	LOCKER ROOMS	50 SF	GROSS	1,307 SF	26
MANAGER'S OFFICE	B	BUSINESS AREAS	150 SF	GROSS	140 SF	1
SKI LOUNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	4,703 SF	314
SKI VALET	B	BUSINESS AREAS	150 SF	GROSS	665 SF	5
10					9,346 SF	539

1 CODE - LIFE SAFETY - TOWER B - LEVEL 1
SCALE: 1/16" = 1'-0"

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job no. 20052
date 05/17/2024

revisions:

no.	date	by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1

IFC SET 2 OF 3
05/17/2024

CODE ANALYSIS - LIFE SAFETY - TOWER B

A0.33

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3):
   A. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   B. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OCCUPANCY R-2 = 125' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M) = 75' WITH SPRINKLERS

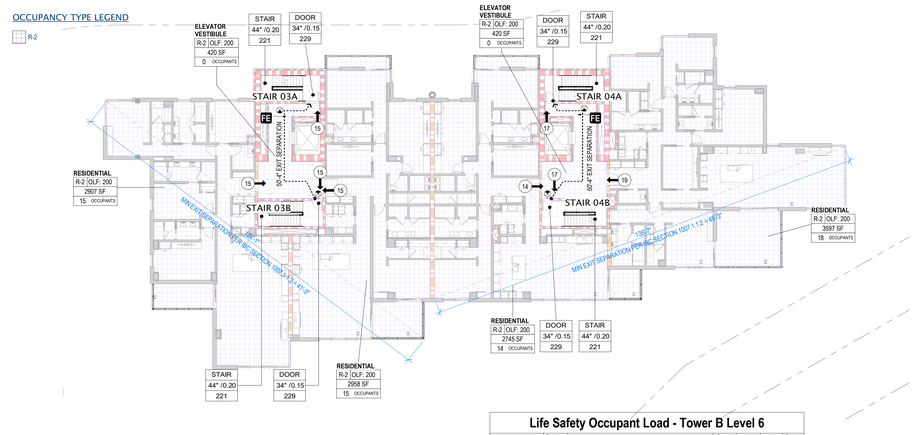
3. EXIT ACCESS AND DOORWAYS (1006.2.1)
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29
   R-2 = 20

4. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS

5. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

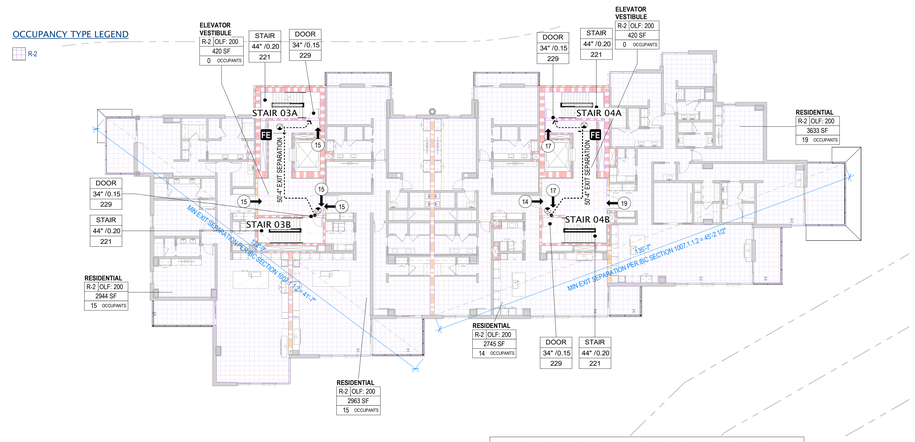
DOOR / 33" / 0.15 / 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
x	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
	EXIT SIGN LOCATION
	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
	1-HOUR WALL RATING
	2-HOUR WALL RATING
	ELEVATOR SMOKE CURTAIN



Life Safety Occupant Load - Tower B Level 6

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF GROSS	420 SF	420 SF	3
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF GROSS	420 SF	420 SF	3
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,907 SF	2,907 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,745 SF	2,745 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,958 SF	2,958 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	3,597 SF	3,597 SF	18
6					13,046 SF	68

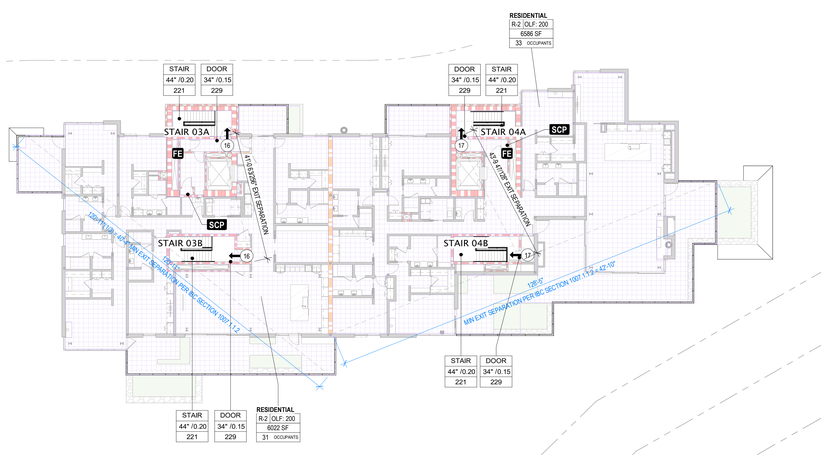
3 CODE - LIFE SAFETY - TOWER B - LEVEL 6
SCALE: 1/16" = 1'-0"



Life Safety Occupant Load - Tower B Level 5

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF GROSS	420 SF	420 SF	3
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF GROSS	420 SF	420 SF	3
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	3,944 SF	3,944 SF	19
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,963 SF	2,963 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,745 SF	2,745 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	3,633 SF	3,633 SF	19
6					13,125 SF	63

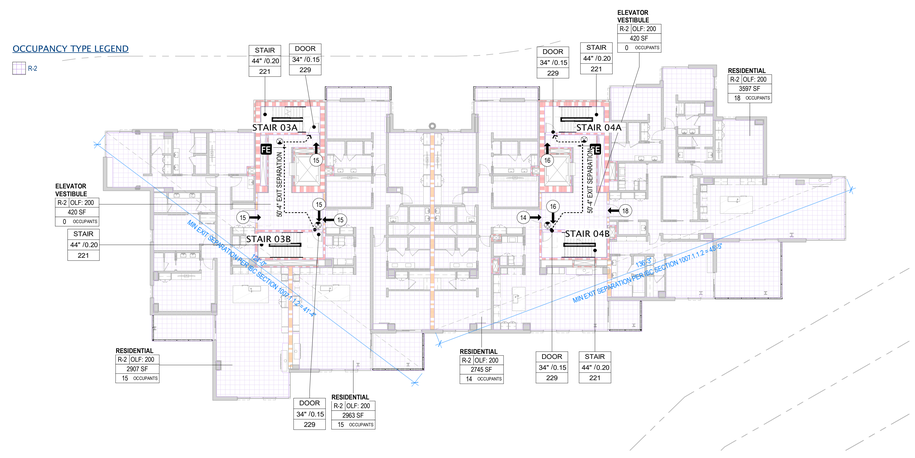
2 CODE - LIFE SAFETY - TOWER B - LEVEL 5
SCALE: 1/16" = 1'-0"



Life Safety Occupant Load - Tower B Level 7

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	6,022 SF	6,022 SF	31
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	6,586 SF	6,586 SF	33
2					12,608 SF	64

4 CODE - LIFE SAFETY - TOWER B - LEVEL 7
SCALE: 1/16" = 1'-0"



Life Safety Occupant Load - Tower B Level 4

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF GROSS	420 SF	420 SF	3
ELEVATOR VESTIBULE	R-2	RESIDENTIAL	200 SF GROSS	420 SF	420 SF	3
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,907 SF	2,907 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,963 SF	2,963 SF	15
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	2,745 SF	2,745 SF	14
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS	3,597 SF	3,597 SF	18
6					13,051 SF	68

1 CODE - LIFE SAFETY - TOWER B - LEVEL 4
SCALE: 1/16" = 1'-0"

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revisions:

no.	date	by
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IFC SET 2 OF 3
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CODE ANALYSIS - LIFE SAFETY - TOWER B

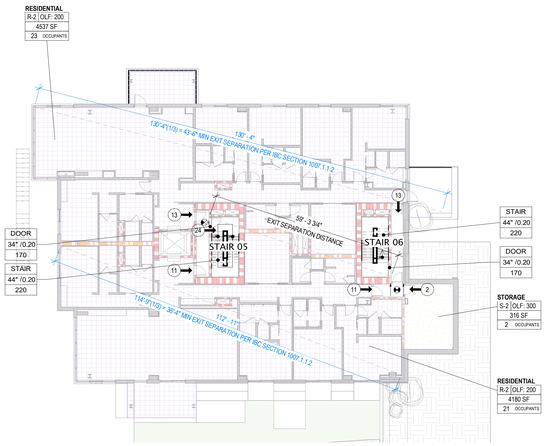
A0.34

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3)
   1. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   2. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M, R-2) = 75' WITH SPRINKLERS
3. In Group R-2 and R-3 occupancies, one means of egress is permitted within and from individual dwelling units with a maximum occupant load of 20 where the dwelling unit is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 and the common path of egress travel does not exceed 125 feet (38 100 mm).
4. EXIT ACCESS AND DOORWAYS (1006.2.1)
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29
5. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS
6. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

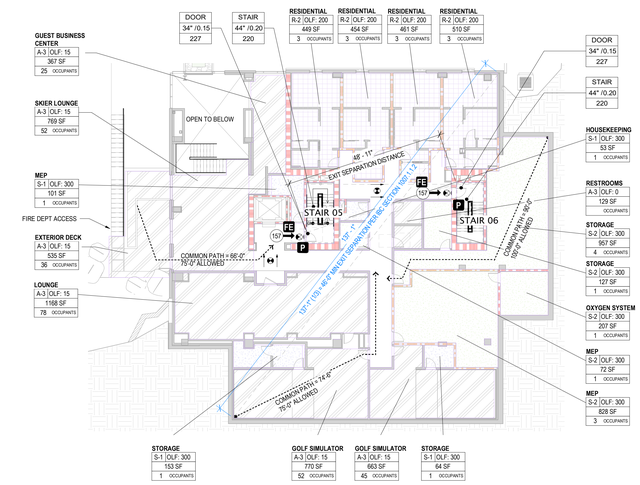
DOOR / 33" / 0.15 / 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
x	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
	EXIT SIGN LOCATION
	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
	1-HOUR WALL RATING
	2-HOUR WALL RATING
	ELEVATOR SMOKE CURTAIN



3 CODE - LIFE SAFETY - TOWER C - LEVEL 2
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 2

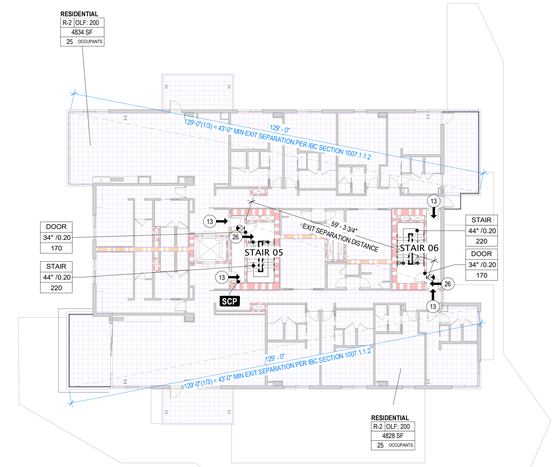
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 2						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,180 SF	21
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,837 SF	23
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	316 SF	2
3					9,333 SF	46



2 CODE - LIFE SAFETY - TOWER C - LEVEL 1
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 1

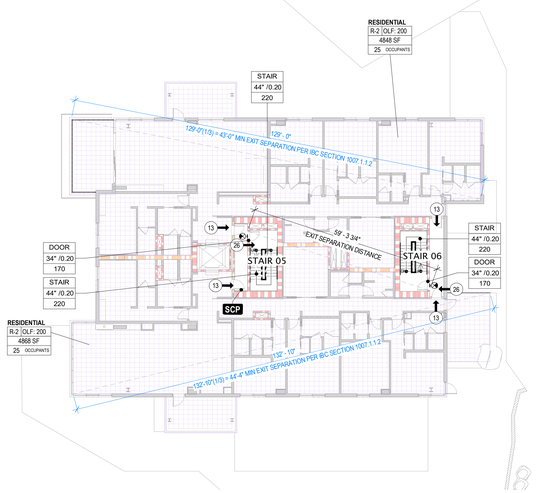
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 1						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	449 SF	3
SKIER LOUNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	769 SF	52
RESTROOMS	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	129 SF	9
GOLF SIMULATOR	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	663 SF	45
MEP	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	828 SF	3
LOUNGE	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	1,168 SF	78
HOUSEKEEPING	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	53 SF	1
EXTERIOR DECK	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	535 SF	36
MEP	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	101 SF	1
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	454 SF	3
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	461 SF	3
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	510 SF	3
GOLF SIMULATOR	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	770 SF	52
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	127 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	153 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	64 SF	1
MEP	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	72 SF	1
GUEST BUSINESS CENTER	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	367 SF	25
OXYGEN SYSTEM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	207 SF	1
STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	957 SF	4
35					8,838 SF	314



5 CODE - LIFE SAFETY - TOWER C - LEVEL 4
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 4

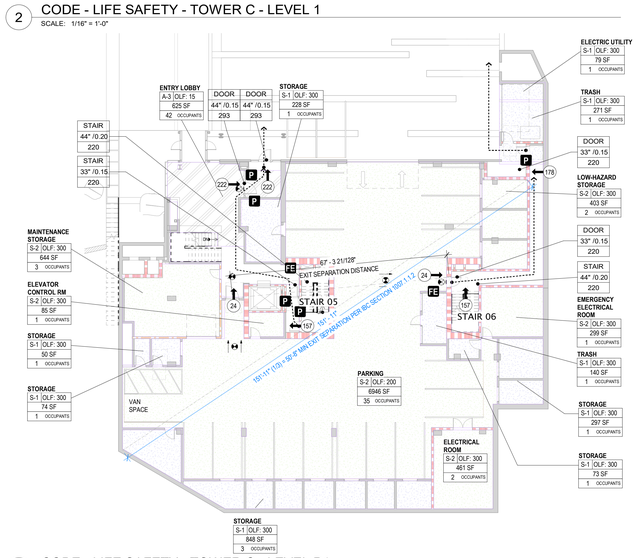
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 4						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,828 SF	25
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,834 SF	25
2					9,662 SF	50



4 CODE - LIFE SAFETY - TOWER C - LEVEL 3
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 3

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 3						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,848 SF	25
RESIDENTIAL	R-2	RESIDENTIAL	200 SF	GROSS	4,868 SF	25
2					9,716 SF	50



1 CODE - LIFE SAFETY - TOWER C - LEVEL P1
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level P1

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - PARKING						
PARKING	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	6,946 SF	35
ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	461 SF	2
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	848 SF	3
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	297 SF	1
MAINTENANCE STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	644 SF	3
LOW-HAZARD STORAGE	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	403 SF	2
ENTRY LOBBY	A-3	ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	625 SF	42
TRASH	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	140 SF	1
TRASH	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	271 SF	1
ELEVATOR CONTROL RM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	85 SF	1
EMERGENCY ELECTRICAL ROOM	S-2	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	299 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	50 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	74 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	228 SF	1
STORAGE	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	73 SF	1
ELECTRIC UTILITY	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	79 SF	1
16					11,522 SF	97

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date 05/17/2024

revisions:

no.	date	by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1

IFC SET 2 OF 3
05/17/2024

CODE ANALYSIS - LIFE SAFETY - TOWER C

A0.35

GENERAL NOTES

1. MEANS OF EGRESS SIZING (IBC 1005.3)
   1. STAIRWAYS (1005.3.1) EXCEPTION:
      CAPACITY FACTOR OF 0.20 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM
   2. DOORS & OTHER COMPONENTS (1005.3.2) EXCEPTION:
      CAPACITY FACTOR OF 0.15 INCHES PER OCCUPANT WITH SPRINKLERS & EMERGENCY ALARM

2. COMMON PATH OF EGRESS TRAVEL (1006.2.1):
   OCCUPANCY B, S = 100' WITH SPRINKLERS
   OTHER OCCUPANCIES (INCLUDES A, M, R-2) = 75' WITH SPRINKLERS

3. In Group R-2 and R-3 occupancies, one means of egress is permitted within and from individual dwelling units with a maximum occupant load of 20 where the dwelling unit is equipped throughout with an automatic sprinkler system in accordance with Section 903.3.1.1 or 903.3.1.2 and the common path of egress travel does not exceed 125 feet (38 100 mm).

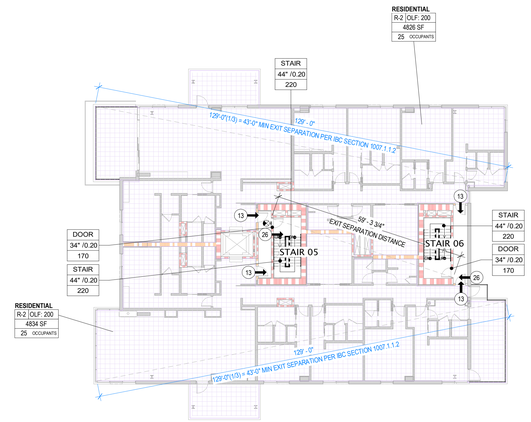
4. EXIT ACCESS AND DOORWAYS (1006.2.1):
   MAXIMUM OCCUPANT LOAD FOR SPACES WITH ONE EXIT OR EXIT ACCESS DOORWAY:
   A, B, M = 49
   S = 29

5. SEPARATION OF EXITS (1007.1.1) EXCEPTION:
   DOOR SEPARATION SHOULD BE MINIMUM 1/3 DIAGONAL OF SPACE SERVED WITH SPRINKLERS

6. MAXIMUM EXIT ACCESS TRAVEL DISTANCE (1017.2) WITH SPRINKLER SYSTEM:
   OCCUPANCIES A, M, R, S-1 = 250' WITH SPRINKLERS
   OCCUPANCY B = 300' WITH SPRINKLERS

LEGEND

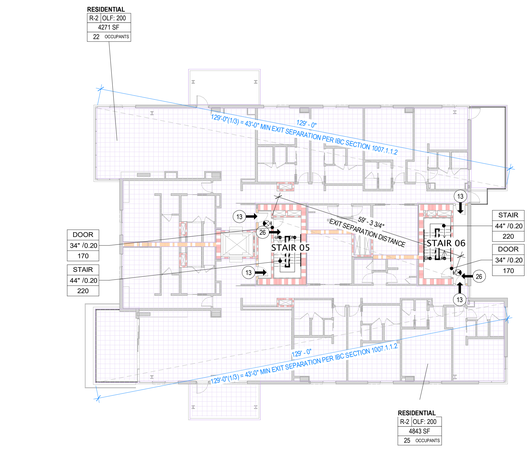
DOOR 33" / 0.15 220	MEANS OF EGRESS COMPONENT CLEAR WIDTH / REQUIRED CAPACITY FACTOR MAX ALLOWABLE CAPACITY PER PROVIDED WIDTH
x	NUMBER OF OCCUPANTS AT AN EXIT
P	EXIT DOOR WITH PANIC HARDWARE
FE	FIRE EXTINGUISHER LOCATION
	EXIT SIGN LOCATION
	CALCULATED DISTANCE (COMMON PATH OF TRAVEL, MAX TRAVEL DISTANCE)
	1-HOUR WALL RATING
	2-HOUR WALL RATING
	ELEVATOR SMOKE CURTAIN



3 CODE - LIFE SAFETY - TOWER C - LEVEL 7
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 7

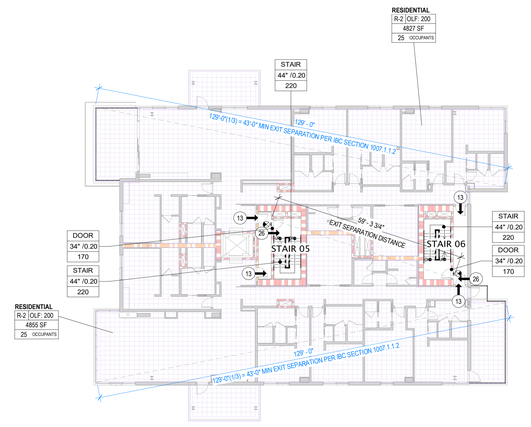
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 7						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		4,826 SF	25
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		4,834 SF	25
2					9,660 SF	50



2 CODE - LIFE SAFETY - TOWER C - LEVEL 6
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 6

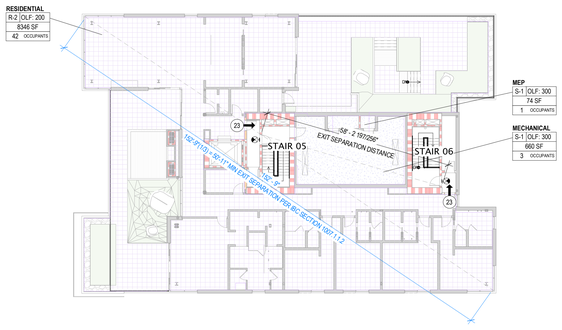
Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 6						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		4,843 SF	25
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		4,271 SF	22
2					9,114 SF	47



1 CODE - LIFE SAFETY - TOWER C - LEVEL 5
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 5

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 5						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		4,827 SF	25
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		4,855 SF	25
2					9,681 SF	50



4 CODE - LIFE SAFETY - TOWER C - LEVEL 8
SCALE: 1/16" = 1'-0"

Life Safety Occupant Load - Tower C Level 8

Name	Occupancy Class	Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
TOWER C - LEVEL 8						
RESIDENTIAL	R-2	RESIDENTIAL	200 SF GROSS		8,346 SF	42
MECHANICAL	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF GROSS		660 SF	3
MEP	S-1	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF GROSS		74 SF	1
3					9,080 SF	46

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date 05/17/2024

revisions:

no.	date	by
	09/30/22	BUILDING PERMIT RESUBMITTAL #1

IFC SET 2 OF 3
05/17/2024

CODE ANALYSIS - LIFE SAFETY - TOWER C

A0.36

Life Safety Occupant Load - Totals

Function	Occupant Load Factor	Net/Gross	Area	Occupant Load
Not Placed				
(none)			0 SF	0
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	0 SF	0
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	0 SF	0
LOCKER ROOMS	50 SF	GROSS	0 SF	0
RESIDENTIAL	200 SF	GROSS	0 SF	0
			0 SF	0
PARKING LEVEL 2				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	8,782 SF	39
PARKING GARAGES	200 SF	GROSS	30,002 SF	151
			38,784 SF	190
TOWER A - LEVEL 1				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	1,823 SF	14
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	11,155 SF	736
EXERCISE ROOMS	50 SF	GROSS	4,363 SF	89
KITCHENS COMMERCIAL	200 SF	GROSS	932 SF	5
LOCKER ROOMS	50 SF	GROSS	1,154 SF	24
PARKING GARAGES	200 SF	GROSS	15,626 SF	79
SKATING RINKS, SWIMMING POOLS - RINK AND POOL	50 SF	GROSS	7,555 SF	392
			42,608 SF	1339
TOWER A - LEVEL 2				
RESIDENTIAL	200 SF	GROSS	12,320 SF	61
			12,320 SF	61
TOWER A - LEVEL 3				
RESIDENTIAL	200 SF	GROSS	13,087 SF	63
			13,087 SF	63
TOWER A - LEVEL 4				
RESIDENTIAL	200 SF	GROSS	13,079 SF	63
			13,079 SF	63
TOWER A - LEVEL 5				
RESIDENTIAL	200 SF	GROSS	12,332 SF	61
			12,332 SF	61
TOWER A - LEVEL 6				
RESIDENTIAL	200 SF	GROSS	8,169 SF	40
			8,169 SF	40
TOWER A - LEVEL B				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	3,177 SF	13
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	4,287 SF	271
BOWLING CENTERS	7 SF	NET	2,320 SF	16
BUISNESS AREAS	150 SF	GROSS	982 SF	3
LOCKER ROOMS	50 SF	GROSS	93 SF	0
			10,860 SF	303
TOWER B - LEVEL 1				
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	6,485 SF	435
BUISNESS AREAS	150 SF	GROSS	1,493 SF	12
LOCKER ROOMS	50 SF	GROSS	1,367 SF	92
			9,346 SF	539
TOWER B - LEVEL 2				
RESIDENTIAL	200 SF	GROSS	12,267 SF	60
			12,267 SF	60
TOWER B - LEVEL 3				
RESIDENTIAL	200 SF	GROSS	12,658 SF	60
			12,658 SF	60
TOWER B - LEVEL 4				
RESIDENTIAL	200 SF	GROSS	13,051 SF	62
			13,051 SF	62
TOWER B - LEVEL 5				
RESIDENTIAL	200 SF	GROSS	13,125 SF	63
			13,125 SF	63
TOWER B - LEVEL 6				
RESIDENTIAL	200 SF	GROSS	13,045 SF	62
			13,045 SF	62
TOWER B - LEVEL 7				
RESIDENTIAL	200 SF	GROSS	12,608 SF	64
			12,608 SF	64
TOWER B LEVEL B				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	2,511 SF	14
RESIDENTIAL	200 SF	GROSS	2,323 SF	9
			4,834 SF	23
TOWER C - LEVEL 1				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	2,563 SF	14
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	4,401 SF	288
RESIDENTIAL	200 SF	GROSS	1,874 SF	12
			8,838 SF	314
TOWER C - LEVEL 2				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	316 SF	2
RESIDENTIAL	200 SF	GROSS	8,717 SF	44
			9,033 SF	46
TOWER C - LEVEL 3				
RESIDENTIAL	200 SF	GROSS	9,716 SF	50
			9,716 SF	50
TOWER C - LEVEL 4				
RESIDENTIAL	200 SF	GROSS	9,662 SF	50
			9,662 SF	50
TOWER C - LEVEL 5				
RESIDENTIAL	200 SF	GROSS	9,681 SF	50
			9,681 SF	50
TOWER C - LEVEL 6				
RESIDENTIAL	200 SF	GROSS	9,114 SF	47
			9,114 SF	47
TOWER C - LEVEL 7				
RESIDENTIAL	200 SF	GROSS	9,660 SF	50
			9,660 SF	50
TOWER C - LEVEL 8				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	735 SF	4
RESIDENTIAL	200 SF	GROSS	8,346 SF	42
			9,080 SF	46
TOWER C - PARKING				
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	10,896 SF	55
ASSEMBLY WITHOUT FIXED SEATS - UNCONCENTRATED (TABLE AND CHAIRS)	15 SF	NET	625 SF	42
			11,522 SF	97
233			328,478 SF	3803

PLUMBING FACILITIES CALCULATIONS

						WATER CLOSETS				LAVATORIES					SERVICE SINKS
					MALE / FEMALE	MALE		FEMALE			MALE	FEMALE	DRINKING FOUNTAINS		
LEVEL	CLASSIFICATION	DESCRIPTION	OCCUPANCY	OCCUPANTS		RATIO	#	RATIO	#	RATIO	#	#	RATIO	#	#
PARKING LEVEL 2	STORAGE	LOW/MODERATE HAZARD	S-2	41.00	21.00	1:100	0.21	1:100	0.21	1:100	0.21	0.21	1:1000	0.04	1
PARKING LEVEL 2	STORAGE	LOW/MODERATE HAZARD	S-1	150.00	75.00	1:100	0.75	1:100	0.75	1:100	0.75	0.75	1:1000	0.15	1
TOWER C - PARKING	ASSEMBLY	ENTRY LOBBY	A-3	72.00	36.00	1:125	0.36	1:65	0.55	1:200	0.18	0.18	1:500	0.14	1
TOWER C - PARKING	STORAGE	LOW/MODERATE HAZARD	S-1/S-2	39.00	20.00	1:100	0.20	1:100	0.20	1:100	0.20	0.20	1:1000	0.04	1
TOWER A - LEVEL B	BUSINESS	EMPLOYEE BREAK ROOM	B	7.00	4.00	1:25	0.16	1:25	0.16	1:40	0.10	0.10	1:100	0.07	1
TOWER A - LEVEL B	ASSEMBLY	INDOOR SPORTING	A-3	20.00	10.00	1:125	0.10	1:65	0.15	1:200	0.05	0.05	1:500	0.04	1
TOWER A - LEVEL B	ASSEMBLY	INTERIOR LOUNGE	A-3	299.00	150.00	1:75	2.00	1:75	2.00	1:200	0.75	0.75	1:500	0.60	1
TOWER A - LEVEL B	STORAGE	LOW/MODERATE HAZARD	S-1/S-2	10.00	5.00	1:100	0.05	1:100	0.05	1:100	0.05	0.05	1:1000	0.01	1
TOWER B - LEVEL B	STORAGE	LOW/MODERATE HAZARD	S-2	13.00	7.00	1:100	0.07	1:100	0.07	1:100	0.07	0.07	1:1000	0.01	1
TOWER A - LEVEL 1	ASSMEBLY	GYMNASIUM/LOCKER ROOM	A-3	83.00	42.00	1:125	0.42	1:65	0.65	1:200	0.21	0.21	1:500	0.17	1
TOWER A - LEVEL 1	ASSEMBLY	KITCHEN	A-2	5.00	3.00	1:75	0.04	1:75	0.04	1:200	0.02	0.02	1:500	0.01	1
TOWER A - LEVEL 1	ASSEMBLY	RESTAURANT	A-2	324.00	162.00	1:75	2.16	1:75	2.16	1:200	0.81	0.81	1:500	0.65	1
TOWER A - LEVEL 1	ASSEMBLY	INTERIOR LOUNGE	A-3	410.00	205.00	1:75	2.73	1:75	2.73	1:200	1.03	1.03	1:500	0.82	1
TOWER A - LEVEL 1	ASSEMBLY	POOL / POOL DECK	A-3	138.00	69.00	1:75	0.92	1:75	0.92	1:200	0.35	0.35	1:500	0.28	1
TOWER A - LEVEL 1	STORAGE	LOW/MODERATE HAZARD	S-1	4.00	2.00	1:100	0.02	1:100	0.02	1:100	0.02	0.02	1:1000	0.00	1
TOWER A - LEVEL 1	STORAGE	LOW/MODERATE HAZARD	S-2	82.00	41.00	1:100	0.41	1:100	0.41	1:100	0.41	0.41	1:1000	0.08	1
TOWER B - LEVEL 1	ASSEMBLY	EXTERIOR / INTERIOR LOUNGE	A-3	648.00	324.00	1:75	4.32	1:75	4.32	1:200	1.62	1.62	1:500	1.30	1
TOWER B - LEVEL 1	ASSEMBLY	LOCKER ROOM (GYMNASIUM)	A-3	86.00	43.00	1:125	0.43	1:65	0.66	1:200	0.22	0.22	1:500	0.17	1
TOWER B - LEVEL 1	BUSINESS	OFFICES	B	12.00	6.00	1:25	0.24	1:25	0.24	1:40	0.15	0.15	1:100	0.12	1
TOWER C - LEVEL 1	ASSEMBLY	INTERIOR LOUNGE	A-3	395.00	198.00	1:75	2.64	1:75	2.64	1:200	0.99	0.99	1:500	0.79	1
TOWER C - LEVEL 1	STORAGE	LOW/MODERATE HAZARD	S-2	8.00	4.00	1:100	0.04	1:100	0.04	1:100	0.04	0.04	1:1000	0.01	1
					TOTAL		15.59		16.30		2.59	2.59		1.24	
					REQUIRED		16.00		17.00		3.00	3.00		2.00	1.00

			UNITS	WATER CLOSETS ONE PER UNIT	LAVATORIES ONE PER UNIT
LEVEL 1	RESIDENTIAL	R-2	4.00	4.00	4.00
LEVEL 2	RESIDENTIAL	R-2	10.00	10.00	10.00
LEVEL 3	RESIDENTIAL	R-2	10.00	10.00	10.00
LEVEL 4	RESIDENTIAL	R-2	10.00	10.00	10.00
LEVEL 5	RESIDENTIAL	R-2	10.00	10.00	10.00
LEVEL 6	RESIDENTIAL	R-2	10.00	10.00	10.00
LEVEL 7	RESIDENTIAL	R-2	6.00	6.00	6.00
LEVEL 8	RESIDENTIAL	R-2	2.00	2.00	2.00

1. DRINKING FOUNTAINS ARE NOT REQUIRED FOR AN OCCUPANT LOAD OF 15 OR FEWER
2. SEPARATE FACILITIES ARE NOT REQUIRED IN STRUCTURES OR TENANT SPACES WITH A TOTAL OCCUPANT LOAD OF 15 OR LESS.
3. IN ASSEMBLY AND MERCANTILE OCCUPANCIES, AN ACCESSIBLE FAMILY OR ASSISTED-USE TOILET ROOM SHALL BE PROVIDED WHERE AN AGGREGATE OF SIX OR MORE MALE AND FEMALE WATER CLOSETS IS REQUIRED. FIXTURES LOCATED WITHIN FAMILY OR ASSISTED-USE TOILET AND BATHING ROOMS SHALL BE INCLUDED IN DETERMINING THE NUMBER OF FIXTURES PROVIDED IN AN OCCUPANCY.
4. FOOD SERVICE ESTABLISHMENTS OR ANY ESTABLISHMENT THAT SELLS ALCOHOLIC BEVERAGES FOR ON-SITE CONSUMPTION REQUIRES AT LEAST ONE URINAL.

STATE OF UTAH
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checked by JB
job no. 20052
date 05/17/2024

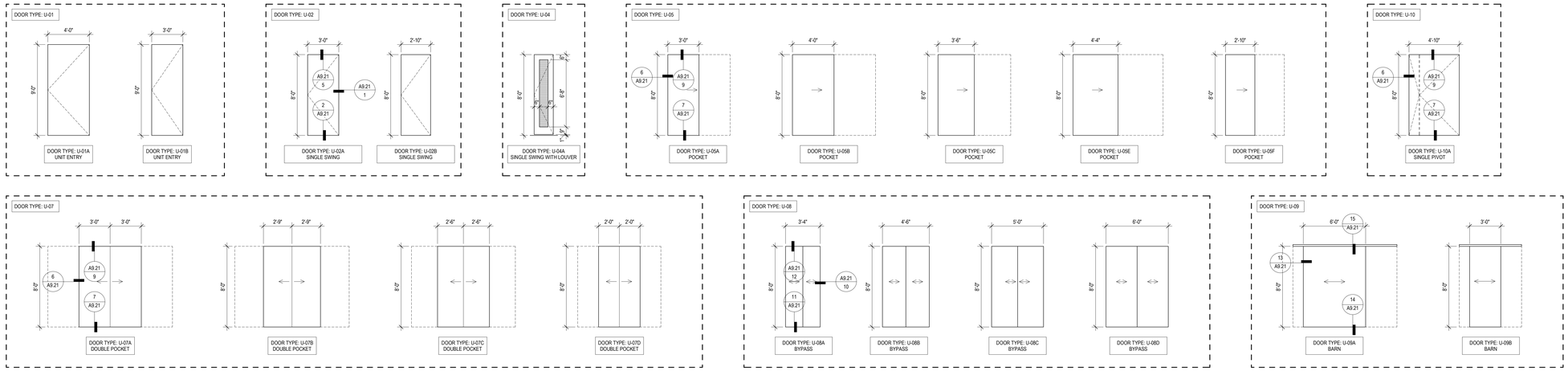
revisions:

no. date by

IFC SET 2 OF 3
05/17/2024

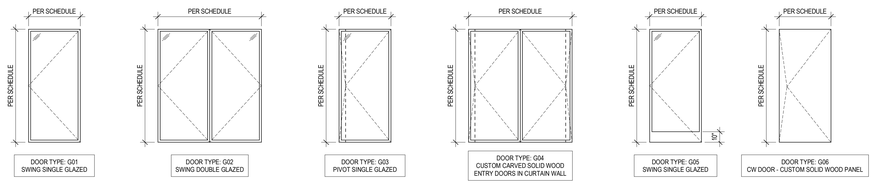
CODE ANALYSIS - OCCUPANCY AND PLUMBING FIXTURE CALCS

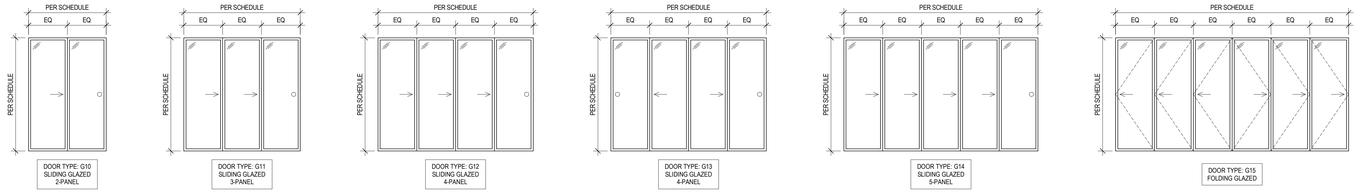
A0.37



DOOR TYPES - UNITS

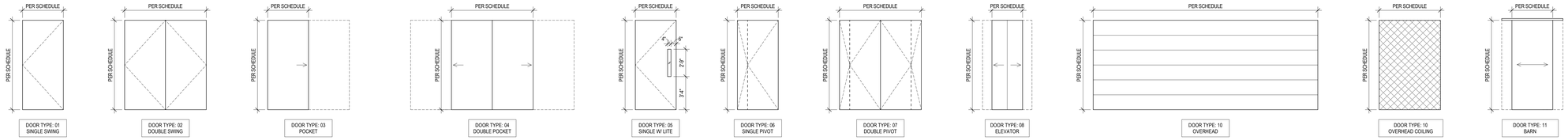
SCALE: 1/4" = 1'-0"





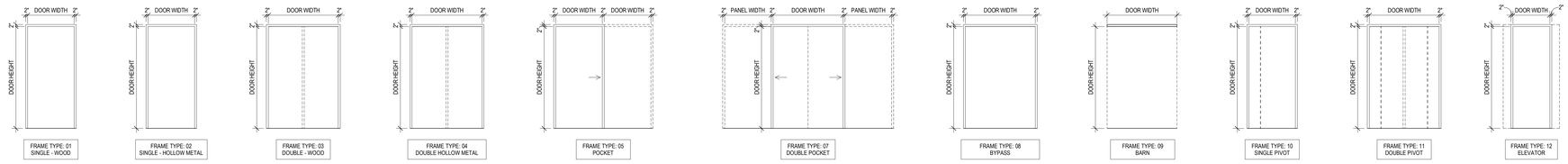
DOOR TYPES - GLAZED

SCALE: 1/4" = 1'-0"



DOOR TYPES - COMMON

SCALE: 1/4" = 1'-0"



FRAME TYPES

SCALE: 1/4" = 1'-0"

DOOR AND HARDWARE NOTES

1. ALL REQUIRED FIRE-RATED DOORS SHALL BEAR A FIRE LABEL FROM A RECOGNIZED RATING AGENCY AND BE EQUIPPED WITH APPROVED LATCHES, GASKETS AND SELF-CLOSING DEVICES
2. EXIT DOORS, EXCEPT DWELLING UNIT DOORS, SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE, OR EFFORT IN COMPLIANCE WITH IBC 1010.2
3. MAXIMUM OPENING FORCE FOR INTERIOR SWINGING EGRESS DOORS (OTHER THAN FIRE DOORS) SHALL NOT EXCEED 5 POUNDS PER IBC SECTION 1010.1.3
4. UNIT ENTRANCE DOORS SHALL BE WITHOUT GLASS, SOLID CORE, AND SHALL HAVE KEYED, SINGLE-CYLINDER, ONE-INCH DEADBOLT LOCK. EACH DOOR SHALL HAVE AN OBSERVATION PORT 54" ABOVE THE FLOOR. AN ADDITIONAL PORT SHALL BE INSTALLED AT TYPE-A RESIDENTIAL UNIT ENTRANCE DOORS
5. MAXIMUM THRESHOLD HEIGHT SHALL NOT EXCEED 1/2" ALONG ACCESSIBLE ROUTE OF TRAVEL PER ANSI 117.1, SECTION 303
6. ALL PAINTED DOORS TO BE FINISH PT-02, UNO
7. GLAZED DOORS AND GLAZED SIDELIGHTS TO HAVE SAFETY GLASS AND/OR FIRE RATED GLAZING.
8. GLAZED DOORS TO HAVE MATCHING FRAMES PROVIDED BY WINDOW MANUFACTURER
9. HEAD/JAMB/SILL DETAILS ARE TYPICAL PER DOOR TYPE: I.E.: INDICATED HEAD/JAMB/SILL DETAILS FOR DOOR TYPE U-05A ARE TYPICAL FOR DOOR TYPES U-05B, U-05C, U-05E, AND U-05F

ABBREVIATIONS

AL	ALUMINUM
AF	ALUMINUM FRAME (PER WINDOW MFR)
FF	FACTORY FINISH
FGL	FIRE GLAZING
GL	GLAZING
HM	HOLLOW METAL DOOR/FRAME
OHD	OVERHEAD DOOR (FRAME PER MFR)
PT	PAINTED
STL	STEEL
STN	STAINED
TG	TEMPERED SAFETY GLASS
WD	SOLID CORE WOOD DOOR/FRAME

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IFC SET 3 OF 3
05/31/2024

DOOR AND FRAME TYPES

A0.60

Door Schedule - Common

MARK	TYPE MARK	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	FRAME TYPE	FINISH PANEL	FINISH FRAME	FIRE RATING	HARDWARE	REMARKS
PARKING LEVEL 2										
P201A	01	3'-6"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	-	LOUVERED GAS METER ACCESS DOOR
P222A	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P223A	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P236	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	19.0	
P239	02	6'-0"	8'-0"	1 3/4"	04	HM / PT	HM / PT	NR	16.0	
P244	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P252	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P253	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P254	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	11.0	
P255	02	6'-0"	8'-0"	1 3/4"	04	HM / PT	HM / PT	NR	37.0	
P256	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	49.0	
P257	02	6'-0"	9'-0"	1 3/4"	04	HM / PT	HM / PT	NR	10.0	
P258	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P258A	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	49.0	
P259	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P260	02	6'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	16.0	
P268A	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	49.0	
P271A	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
P271B	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	7.0	
P272	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
P273	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
P274	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
PARKING LEVEL 2A										
P213	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P214	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P215	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P250	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P257	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	10.0	
P270	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER A - LEVEL 1										
A104	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	42.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A106	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A107	03	2'-10"	9'-0"	1 3/4"	05	WD / PT	WD / PT	NR	58.0	
A113	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	31.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A114	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A115	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	42.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A116	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A117	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A122a	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
A122b	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A122c	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	46.0	
A122d	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	46.0	
A122e	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A122f	03	2'-10"	9'-0"	1 3/4"	05	HM / PT	HM / PT	NR	58.0	
A122g	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A122h	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
A123a	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
A123b	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	45.0	
A123c	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	45.0	
A123d	05	2'-10"	9'-0"	1 3/4"	01	-	-	NR	45.0	FROSTED GLASS SAUNA DOOR: TO BE COORDINATED
A123e	01	3'-0"	9'-0"	1 3/4"	01	-	-	NR	46.0	FROSTED GLASS SAUNA DOOR: TO BE COORDINATED
A123f	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	46.0	
A123g	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
A124	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	39.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A126	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	38.0	
A132	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A133	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A135	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
A141	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	25.0	
A142	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	25.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A143	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	26.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A152	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	9.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A153	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	17.0	
TOWER A - LEVEL 1A										
A101	03	7'-11"	9'-0"	1 3/4"	05	WD / PT	WD / PT	NR	60.0	
A108	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
A108a	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A108b	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A108c	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A109	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
A109a	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A109b	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A109c	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	45.0	
A110	01	3'-0"	9'-0"	1 3/4"	01	HM / PT	HM / PT	NR	37.0	
A111	04	9'-0"	9'-0"	1 3/4"	07	WD / PT	WD / PT	NR	59.0	
A125	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A138	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	65.0	
A139	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	65.0	
A140	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
TOWER A - LEVEL 2										
A201	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A202	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A204	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A205	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER A - LEVEL 3										
A301	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A302	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A304	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A305	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER A - LEVEL 4										
A401	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A402	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A404	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A405	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER A - LEVEL 5										
A501	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A502	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A504	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A505	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER A - LEVEL 6										
A601	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
A602	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
A604	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
A605	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER A - LEVEL B										
A001	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
A009	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	46.0	
A010	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	45.0	
A011	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	45.0	
A012	01	3'-0"	6'-8"	1 3/4"	02	HM / PT	HM / PT	NR	36.0	
A014	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	48.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A015	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A016	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	45.0	
A017	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A018	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	48.0	
A019	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
A021	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A021A	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	29.0	
A021B	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	29.0	
A021C	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	46.0	
A022	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A023	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A023A	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	29.0	
A023B	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	46.0	
A030	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A031	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
A033	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	32.0	
A034	01	2'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	35.0	
A035	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
A036	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
TOWER B - LEVEL 1										
B101A	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B101B	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
B102	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B105	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B106	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	42.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B107	01	3'-0"	9'-0"	1 3/4"	01	WD-19	WD-20	NR	28.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B109	01	3'-0"	9'-0"	1 3/4"	01	WD-19	WD-20	NR	48.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B111	01	3'-0"	9'-0"	1 3/4"	01	WD-19	WD-20	NR	42.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B123	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
B130	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	7.0	
B131	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	12.0	
B132	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	2.0	
B134	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	66.0	
TOWER B - LEVEL 1A										
B103	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
B104	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	30.0	
B116	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	
B117	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	
B118	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	
B121	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	33.0	
B122	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	38.0	
B133	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	2.0	
TOWER B - LEVEL 2										
B201	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B202	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B204	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B205	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER B - LEVEL 3										
B301	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B302	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B304	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B305	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER B - LEVEL 4										
B401	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B402	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B404	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B405	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER B - LEVEL 5										
B501	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B502	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B504	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B505	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER B - LEVEL 6										
B601	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B602	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B604	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B605	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
TOWER B - LEVEL 7										
B701	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
B702	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	54.0	
B703	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	40.0	
B704	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B705	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B706	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	40.0	
B707	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	41.0	
TOWER B - LEVEL P1										
P102	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	36.0	
P103	01	3'-0"	6'-8"	1 3/4"	02	HM / PT	HM / PT	NR	15.0	
P104	01	3'-0"	6'-8"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
P105	02	6'-0"	8'-0"	1 3/4"	04	HM / PT	HM / PT	NR	16.0	
P106	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P107	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	11.0	
P110	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P111	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
P112	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
P113	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
P115	01	3'-0"	6'-8"	1 3/4"	02	HM / PT	HM / PT	NR	36.0	
P116	01	3'-0"	6'-8"	1 3/4"	02	HM / PT	HM / PT	NR	36.0	
TOWER B LEVEL B										
B001A	02	5'-0"	9'-0"	1 3/4"	04	HM / PT	HM / PT	NR	34.0	
B001B	02	5'-0"	9'-0"	1 3/4"	04	HM / PT	HM / PT	NR	34.0	
B002	01	4'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
B003	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
B004A	01	4'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	44.0	
B004B	01	4'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	44.0	
B005	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
B006	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
B007	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
B008	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
B010	01	4'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	37.0	
B011	01	4'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	49.0	
B012	05	2'-10"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	47.0	
B013	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
B014	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	51.0	
B015	05	2'-10"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	
B016	01	3'-0"	8'-0"	1 3/4"	01	WD / PT	WD / PT	NR	38.0	
TOWER C - LEVEL 1										

Door Schedule - Common

MARK	TYPE MARK	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	FRAME TYPE	FINISH PANEL	FINISH FRAME	FIRE RATING	HARDWARE	REMARKS
C103	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	
C104	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	47.0	
C105	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
C106	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
C107	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	31.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C107A	01	3'-0"	8'-0"	1 3/4"	01	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C108	01	3'-0"	9'-0"	1 3/4"	01	WD / PT	WD / PT	NR	31.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C108A	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C108B	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
C109	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
C109A	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	48.0	
C110	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
C110A	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	48.0	
C111	01	4'-0"	9'-0"	1 3/4"	02	-	-	NR	24.0	CUSTOM PANELING TO MATCH ADJ LOUNGE WALL PANELING
C111A	01	3'-0"	9'-0"	1 3/4"	02	-	-	NR	31.0	CUSTOM PANELING TO MATCH ADJ LOUNGE WALL PANELING
C112	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C140	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C150	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	30.0	
TOWER C - LEVEL 2										
C240	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
C251	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	54.0	
C252	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	54.0	
TOWER C - LEVEL 3										
C340	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
C350	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
TOWER C - LEVEL 4										
C440	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
C450	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
TOWER C - LEVEL 5										
C540	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
C550	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
TOWER C - LEVEL 6										
C640	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
C650	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
TOWER C - LEVEL 7										
C740	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
C750	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	54.0	
TOWER C - LEVEL 8										
C801	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	39.0	
C802	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	27.0	
C803	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	41.0	
C840	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
C841	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	29.0	
C842	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
C850	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	66.0	
C852	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	37.0	
TOWER C - PARKING										
C001A	01	4'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	14.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C001B	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	22.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C004	05	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	13.0	
C007	01	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C010	02	6'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	8.0	
C018	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C019A	01	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C020	01	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C021	01	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	DUAL FINISH DOOR: REFER TO INTERIOR ELEVATIONS
C022	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C024	01	3'-0"	8'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C026	01	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	50.0	
C031A	01	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	20.0	
C040	05	3'-0"	9'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	29.0	
C042	01	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	NR	18.0	
C050	05	3'-0"	7'-0"	1 3/4"	02	HM / PT	HM / PT	90 MIN	30.0	

Door Schedule - Units

MARK	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	FRAME TYPE	FINISH PANEL	FINISH FRAME	FIRE RATING	HARDWARE SET	STC Rating	REMARKS
U-01A	4'-0"	9'-0"	1 3/4"	02	WD-13	WD-13a	20 MIN	54.0	32 MIN	
U-01B	3'-0"	9'-0"	1 3/4"	02	WD-13	WD-13a	20 MIN	54.0	32 MIN	
U-02A	3'-0"	9'-0"	1 3/4"	01	WD-17	WD-18	NR	53.0		
U-02B	2'-10"	9'-0"	1 3/4"	01	WD-17	WD-18	NR	52.0		
U-04A	1'-10"	9'-0"	1 3/4"	01	WD-17	WD-18	NR	52.0		
U-05A	3'-0"	9'-0"	1 3/4"	05	WD-17	WD-18	NR	55.0		
U-05B	4'-0"	9'-0"	1 3/4"	05	WD-17	WD-18	NR	55.0		
U-05C	3'-6"	9'-0"	1 3/4"	05	WD-17	WD-18	NR	55.0		
U-05E	4'-4"	9'-0"	1 3/4"	01	WD-17	WD-18	NR	55.0		
U-05F	2'-10"	9'-0"	1 3/4"	05	WD-17	WD-18	NR	57.0		
U-07A	6'-0"	9'-0"	1 3/4"	07	WD-17	WD-18	NR	56.0		
U-07C	5'-0"	9'-0"	1 3/4"	07	WD-17	WD-18	NR	56.0		
U-08A	3'-4"	9'-0"	1 3/4"	08	WD-17	WD-18	NR	61.0		
U-08B	4'-6"	9'-0"	1 3/4"	08	WD-17	WD-18	NR	61.0		
U-08C	5'-0"	9'-0"	1 3/4"	08	WD-17	WD-18	NR	61.0		
U-08D	6'-0"	9'-0"	1 3/4"	08	WD-17	WD-18	NR	61.0		
U-09A	6'-0"	9'-0"	1 3/4"	09	WD-17	WD-18	NR	64.0		
U-09B	3'-0"	9'-0"	1 3/4"	09	WD-17	WD-18	NR	63.0		
U-10A	4'-10"	9'-0"	1 3/4"	10	WD-17	WD-18	NR	53.0		

Door Schedule - Overhead

MARK	TYPE MARK	DOOR WIDTH	DOOR HEIGHT	FRAME TYPE	FINISH PANEL	FINISH FRAME	FIRE RATING	HARDWARE	REMARKS
PARKING LEVEL 2									
P201	10	22'-0"	8'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P202	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P204	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P205	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P217	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P218	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P219	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P222	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P223	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P224	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P225	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P226	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P227	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P230	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P231	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P232	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P233	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P234	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P235	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P237	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P238	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P241	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P242	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P243	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P244	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P245	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P246	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P247	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P248	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P249	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P250	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P251	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P258B	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P268B	10	6'-0"	8'-0"	OHD	AF / FF	AF / FF	NR	PER MFR	
PARKING LEVEL 2A									
P203	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P204	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P205	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P206	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P207	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P208	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P209	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P210	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P211	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
P216	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL P1									
P114	10	22'-0"	8'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
TOWER C - PARKING									
C004	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C005	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C006	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C008	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C009	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C011	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C012	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C013	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C014	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C015	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C016	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C017	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C019B	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C021B	10	9'-0"	7'-0"	OHD	AF / FF	AF / FF	NR	PER MFR	
C023	10	22'-0"	8'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C026A	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C026B	11	4'-0"	7'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	
C031B	10	15'-0"	8'-6"	OHD	AF / FF	AF / FF	NR	PER MFR	

Door Schedule - Glazed

MARK	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	FRAME TYPE	FINISH PANEL	FINISH FRAME	FIRE RATING	HARDWARE	REMARKS
PARKING LEVEL 2										
P220	G05	3'-0"	7'-10"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
P255	G01	4'-0"	8'-10"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
P262	G01	4'-0"	8'-10"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
PARKING LEVEL 2A										
P263	G05	3'-0"	8'-8"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 1										
A107	G02	6'-4"	9'-0"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A119	G02	6'-2"	10'-0"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A120	G02	6'-2"	10'-0"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A130A	G04	9'-0"	12'-0"	1 3/4"	AF	WD / WD	WD / WD	NR	PER MFR	CUSTOM CARVED SOLID WOOD DOORS
A130B	G04	9'-0"	12'-0"	1 3/4"	AF	WD / WD	WD / WD	NR	PER MFR	CUSTOM CARVED SOLID WOOD DOORS
A136	G02	6'-4"	9'-0"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A154	G01	3'-8"	9'-8"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 1A										
A137	G10	9'-0 1/2"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A138	G10	8'-4 1/2"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 2										
A250	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A251	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A252	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A253	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A254	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 3										
A350	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A351	G10	6'-5 1/8"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A352	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A353	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A354	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A355	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A356	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A357	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 4										
B450	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B451	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B452	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B453	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B454	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B455	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B456	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B457	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B458	G10	7'-7"	9'-7 1/2"	1 3/4"	AF.	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 5										
A554	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A555	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A556	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A557	G10	7'-7"	9'-7 1/2"	1 3/4"	AF.	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 5A										
A550	G11	11'-7"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A551	G11	11'-8"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A552	G01	3'-9"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A553	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A558	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A559	G01	3'-9"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER A - LEVEL 6										
A650	G01	3'-8"	9'-10"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A651	G10	7'-7"	9'-7 1/2"	1 3/4"	AF.	AF / FF	AF / FF	NR	PER MFR	
A652	G10	7'-8"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A653	G01	3'-8"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A654	G11	11'-7"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A655	G10	7'-7"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A656	G10	7'-7"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
A657	G01	2'-10 1/2"	8'-11"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 1										
B113	G01	3'-4"	8'-10"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B136	G02	7'-5"	12'-0"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 1A										
B120	G13	9'-1 3/4"	9'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B134	G13	11'-7"	8'-10 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B135	G01	3'-9"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 2										
B250	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B251	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B252	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B253	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B254	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B255	G12	15'-7"	8'-9 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 3										
B350	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B351	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B352	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B353	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B354	G10	6'-5 1/8"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B355	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
U-06C	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 4										
B450	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B452	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B453	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B454	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B455	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B456	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B457	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
U-06D	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 5										
B550	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B552	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B553	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B554	G10	6'-5 1/8"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B555	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B556	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B557	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B558	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
U-06E	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 6										
B650	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B651	G11	11'-0 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B652	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B653	G10	8'-10 1/2"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B654	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B655	G11	11'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B666	G10	7'-7"	9'-7 1/2"	1 3/4"	AF.	AF / FF	AF / FF	NR	PER MFR	
B667	G10	7'-7"	9'-7 1/2"	1 3/4"	AF.	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL 7										
B750	G01	3'-7 1/8"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B751	G11	19'-7"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B752	G01	3'-9"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B753	G11	11'-7"	9'-9 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B754	G01	4'-2 1/4"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B755	G10	16'-1 1/4"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B756	G11	23'-10 3/4"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B757	G01	3'-10"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B758	G10	7'-7"	9'-7 1/2"	1 3/4"	AF.	AF / FF	AF / FF	NR	PER MFR	
B759	G10	6'-4"	9'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
B760	G01	3'-9"	9'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER B - LEVEL P1										
P108	G01	4'-0"	8'-0"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
P109	G01	4'-0"	8'-4"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 1										
C100	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 2										
C200	G10	7'-7"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C201	G10	7'-7"	9'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C202	G10	7'-7"	9'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C203	G10	7'-7"	9'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C204	G01	3'-4"	9'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C205	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 3										
C300	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C301	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C302	G01	3'-6"	8'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C303	G01	3'-4"	9'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C304	G01	3'-6"	8'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C305	G12	15'-10"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 4										
C400	G12	15'-10"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C401	G01	3'-6"	8'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C402	G01	3'-4"	9'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C403	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C404	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 5										
C500	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C501	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C502	G01	3'-4"	9'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C503	G01	3'-6"	8'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C504	G12	15'-10"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 6										
C600	G12	15'-10"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C601	G01	3'-6"	8'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C602	G01	3'-4"	9'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C603	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C604	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 7										
C700	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C701	G01	3'-6"	8'-9"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C702	G01	3'-4"	9'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C703	G01	3'-6"	8'-7"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C704	G12	15'-10"	8'-7 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
TOWER C - LEVEL 8										
C850	G13	14'-9"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C851	G12	15'-7"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C852	G11	9'-6"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C853	G11	12'-6"	9'-8 1/2"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C854	G01	3'-4"	9'-7"	1 3/4"	AF			NR	PER MFR	
TOWER C - PARKING										
C002A	G03	4'-2"	9'-10"	3"	AF	AF / FF	AF / FF	NR	PER MFR	
C002B	G03	4'-2"	9'-10"	3"	AF	AF / FF	AF / FF	NR	PER MFR	
C030	G01	2'-10"	8'-8"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	
C031	G01	2'-10"	8'-8"	1 3/4"	AF	AF / FF	AF / FF	NR	PER MFR	

DOOR AND HARDWARE NOTES

1. ALL REQUIRED FIRE-RATED DOORS SHALL BEAR A FIRE LABEL FROM A RECOGNIZED RATING AGENCY AND BE EQUIPPED WITH APPROVED LATCHES, GASKETS AND SELF-CLOSING DEVICES
2. EXIT DOORS, EXCEPT DWELLING UNIT DOORS, SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE, OR EFFORT IN COMPLIANCE WITH IBC 1010.2
3. MAXIMUM OPENING FORCE FOR INTERIOR SWINGING EGRESS DOORS (OTHER THAN FIRE DOORS) SHALL NOT EXCEED 5 POUNDS PER IBC SECTION 1010.1.3.
4. UNIT ENTRANCE DOORS SHALL BE WITHOUT GLASS, SOLID CORE, AND SHALL HAVE KEYED, SINGLE-CYLINDER, ONE-INCH DEADBOLT LOCK. EACH DOOR SHALL HAVE AN OBSERVATION PORT 54" ABOVE THE FLOOR. AN ADDITIONAL PORT SHALL BE INSTALLED AT TYPE-A RESIDENTIAL UNIT ENTRANCE DOORS
5. MAXIMUM THRESHOLD HEIGHT SHALL NOT EXCEED 1/2" ALONG ACCESSIBLE ROUTE OF TRAVEL PER ANSI 117.1, SECTION 303
6. ALL PAINTED DOORS TO BE FINISH PT-02, UNO
7. GLAZED DOORS AND GLAZED SIDELIGHTS TO HAVE SAFETY GLASS AND/OR FIRE RATED GLAZING.
8. GLAZED DOORS TO HAVE MATCHING FRAMES PROVIDED BY WINDOW MANUFACTURER
9. HEAD/JAMB/SILL DETAILS ARE TYPICAL PER DOOR TYPE: I.E.: INDICATED HEAD/JAMB/SILL DETAILS FOR DOOR TYPE U-05A ARE TYPICAL FOR DOOR TYPES U-05B, U-05C, U-05E, AND U-05F

ABBREVIATIONS

AL	ALUMINUM
AF	ALUMINUM FRAME (PER WINDOW MFR)
FF	FACTORY FINISH
FGL	FIRE GLAZING
GL	GLAZING
HM	HOLLOW METAL DOOR/FRAME
OHD	OVERHEAD DOOR (FRAME PER MFR)
PT	PAINTED
STL	STEEL
STN	STAINED
TG	TEMPERED SAFETY GLASS
WD	SOLID CORE WOOD DOOR/FRAME

Door Schedule Notes
SCALE: 12" = 1'-0"

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MEP Engineer
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Seattle, WA 98154

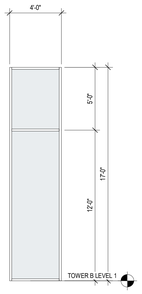
principal architect TK, KM
project manager TM, JB, SL, MD
drawn by SK, SS, JR, CP, EA, JF, BD
checked by JB
job no. 20052
date 05/31/2024

revisions:

no. date by

IFC SET 3 OF 3
05/31/2024

DOOR SCHEDULE
A0.61



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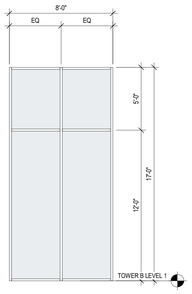

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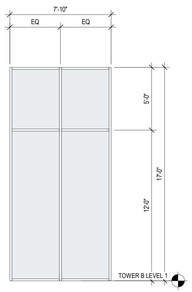

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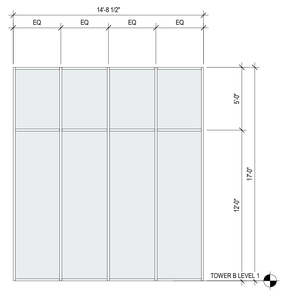

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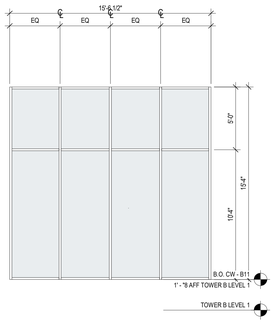

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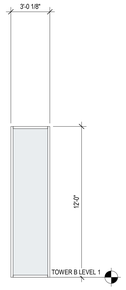

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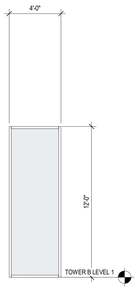

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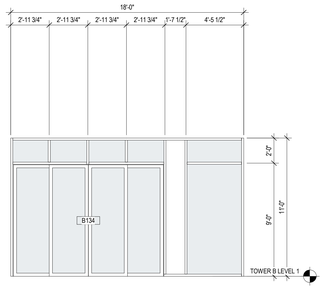

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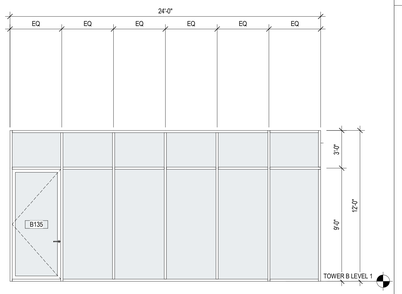

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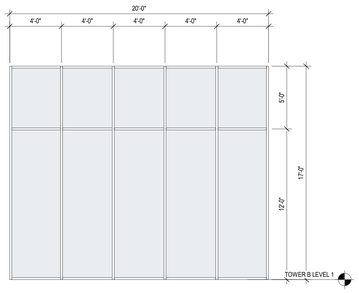

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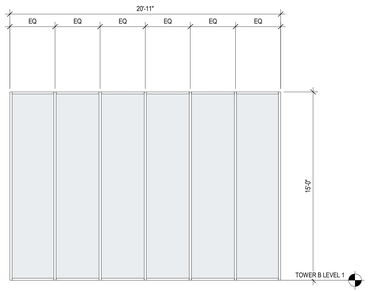

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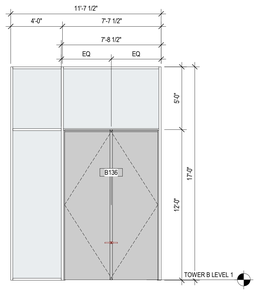

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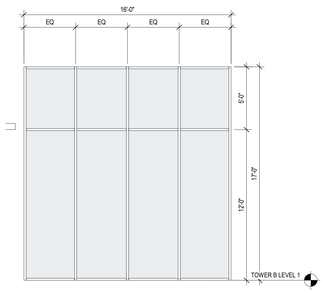

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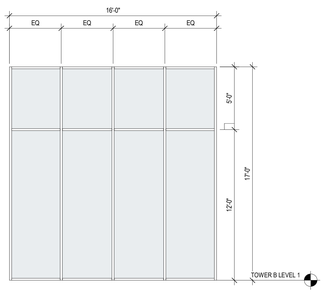

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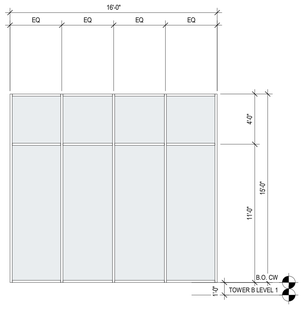

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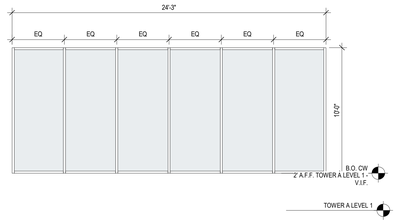

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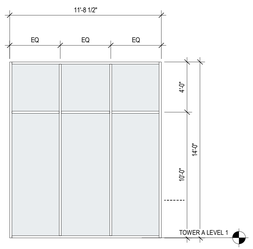

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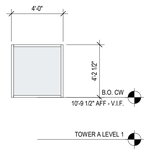

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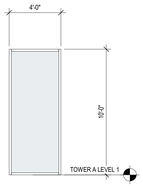

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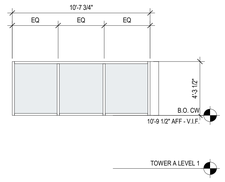

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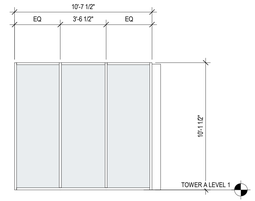

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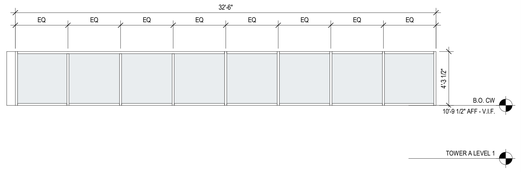

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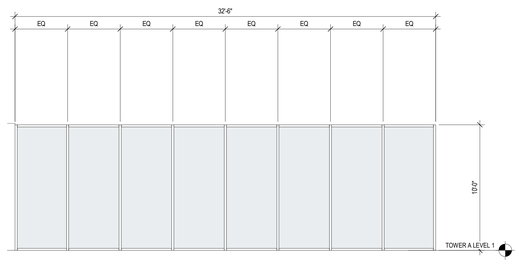

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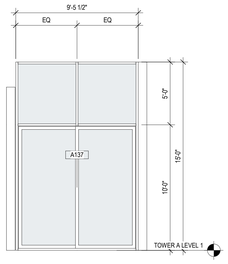

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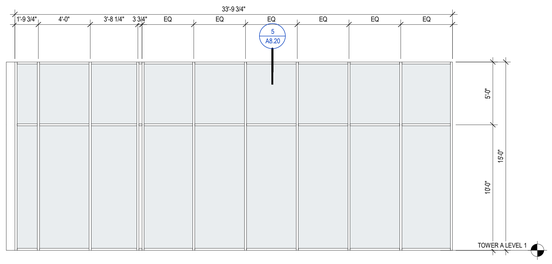

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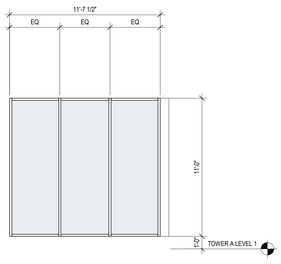

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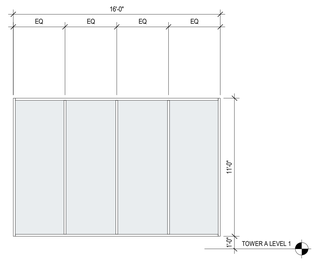

1 CW-A01
SCALE: 1/4" = 1'-0"

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IFC SET 2 OF 3
05/17/2024

CURTAIN WALL - AB

A0.70

6 CW-L05
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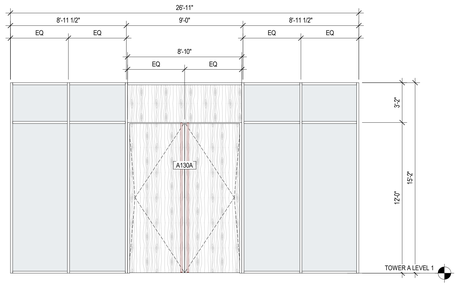

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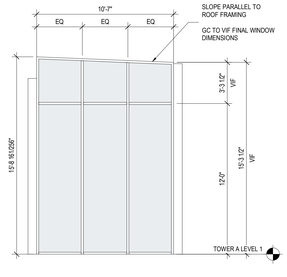

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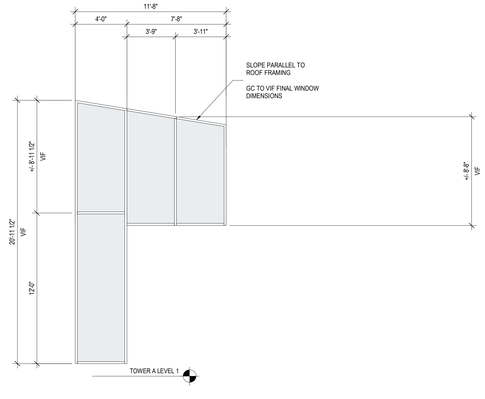

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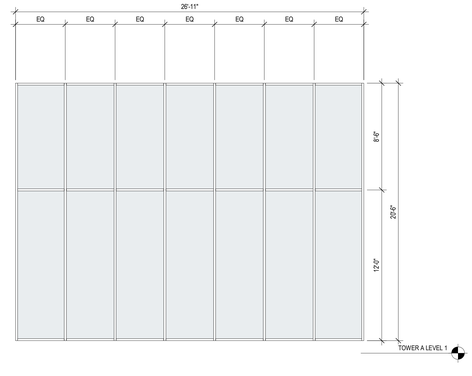

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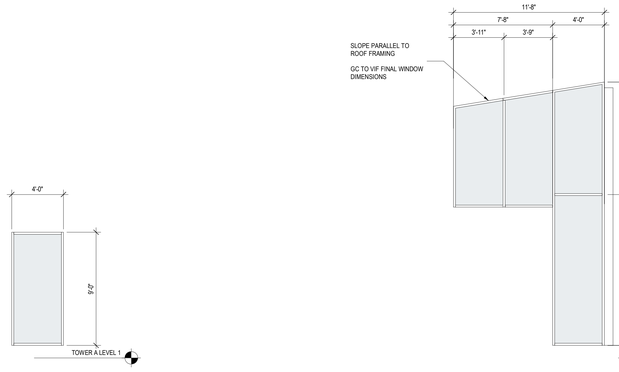

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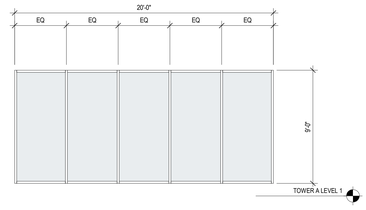

5 CW-L06
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9 CW-L08
SCALE: 1/4" = 1'-0"

STATE OF UTAH
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IFC SET 2 OF 3
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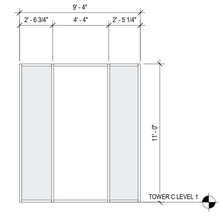
CURTAIN WALL - LOBBY
A0.71



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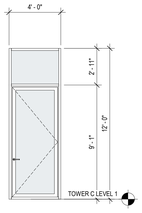

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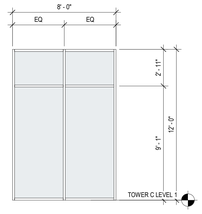

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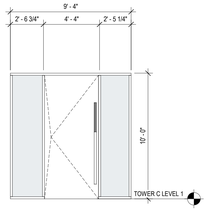

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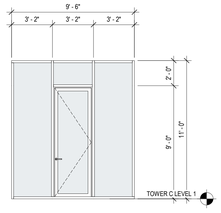

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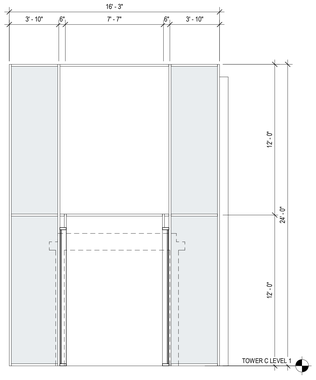

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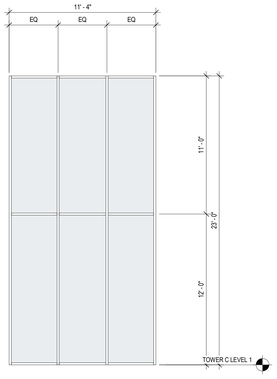

1 CW-C01
SCALE: 1/4" = 1'-0"

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principal architect TK, KM
project manager TM, JB, SL, MD
drawn by SK, SS, JR, CP, EA, JF, BR
checked by JB
job no. 20052
date 05/17/2024

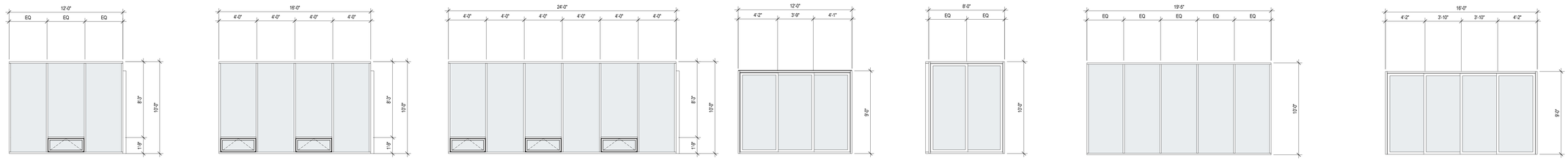
revisions:

no.	date	by

IFC SET 2 OF 3
05/17/2024

CURTAIN WALL - C

A0.72



36 W-JJ SCALE: 1/4" = 1'-0"

35 W-II SCALE: 1/4" = 1'-0"

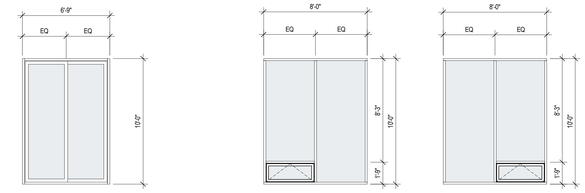
34 W-HH SCALE: 1/4" = 1'-0"

33 W-GG SCALE: 1/4" = 1'-0"

32 W-FF SCALE: 1/4" = 1'-0"

31 W-EE SCALE: 1/4" = 1'-0"

30 W-DD SCALE: 1/4" = 1'-0"



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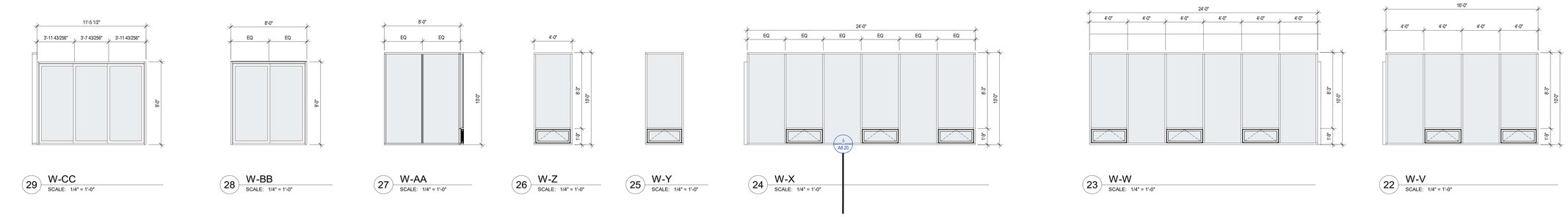
38 W-LL SCALE: 1/4" = 1'-0"

37 W-KK SCALE: 1/4" = 1'-0"



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28 W-BB SCALE: 1/4" = 1'-0"

27 W-AA SCALE: 1/4" = 1'-0"

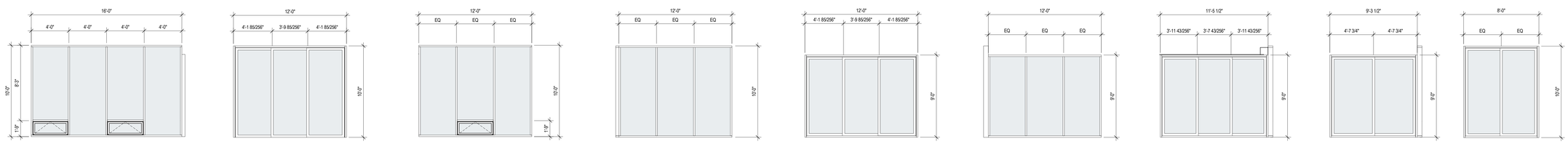
26 W-Z SCALE: 1/4" = 1'-0"

25 W-Y SCALE: 1/4" = 1'-0"

24 W-X SCALE: 1/4" = 1'-0"

23 W-W SCALE: 1/4" = 1'-0"

22 W-V SCALE: 1/4" = 1'-0"



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20 W-T SCALE: 1/4" = 1'-0"

19 W-S SCALE: 1/4" = 1'-0"

18 W-R SCALE: 1/4" = 1'-0"

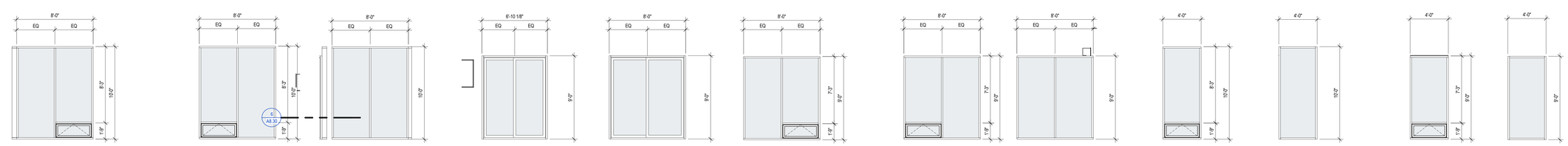
17 W-Q SCALE: 1/4" = 1'-0"

16 W-P SCALE: 1/4" = 1'-0"

15 W-O SCALE: 1/4" = 1'-0"

14 W-N SCALE: 1/4" = 1'-0"

13 W-M SCALE: 1/4" = 1'-0"



12 W-L SCALE: 1/4" = 1'-0"

11 W-K SCALE: 1/4" = 1'-0"

10 W-J SCALE: 1/4" = 1'-0"

9 W-I SCALE: 1/4" = 1'-0"

8 W-H SCALE: 1/4" = 1'-0"

7 W-G SCALE: 1/4" = 1'-0"

6 W-F SCALE: 1/4" = 1'-0"

5 W-E SCALE: 1/4" = 1'-0"

4 W-D SCALE: 1/4" = 1'-0"

3 W-C SCALE: 1/4" = 1'-0"

2 W-B SCALE: 1/4" = 1'-0"

1 W-A SCALE: 1/4" = 1'-0"

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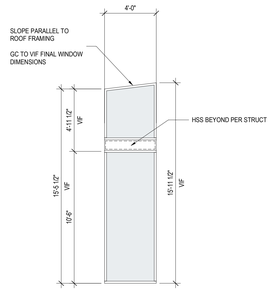
WINDOW TYPES - TYP

A0.73



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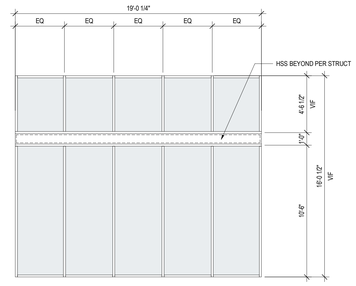

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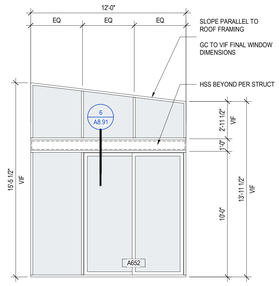

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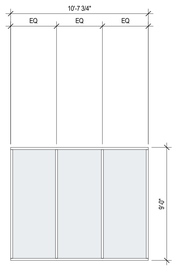

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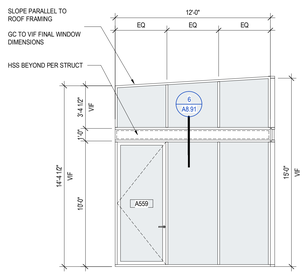

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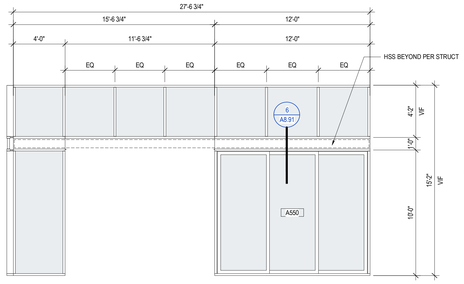

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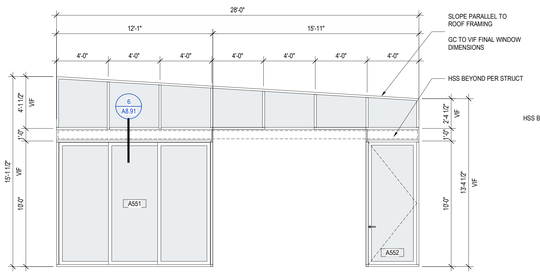

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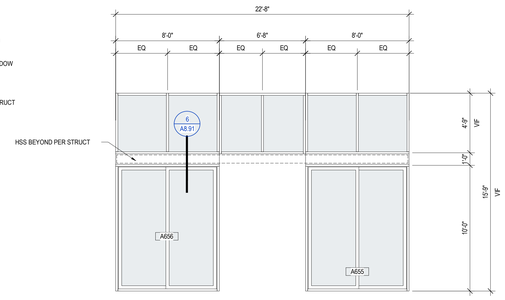

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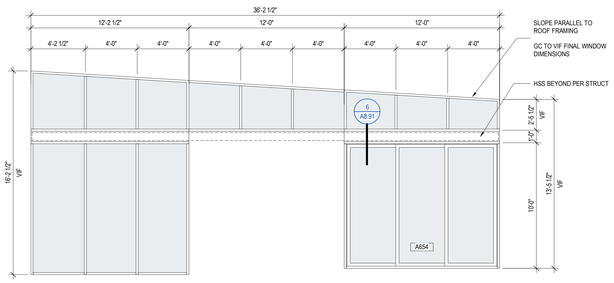

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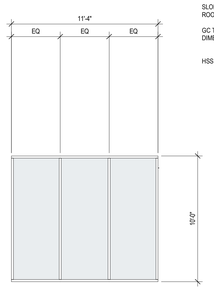

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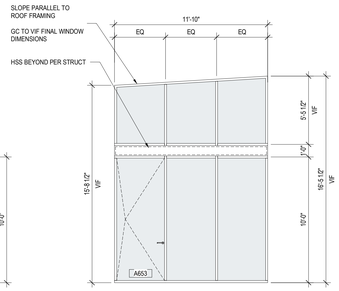

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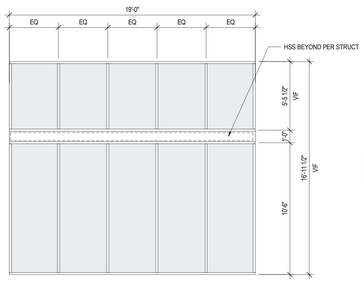

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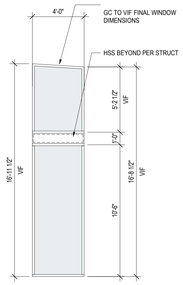

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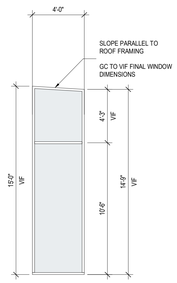

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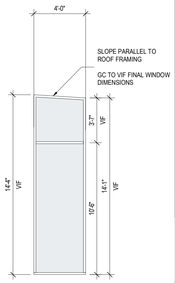
SCALE: 1/4" = 1'-0"



1 W-AB
SCALE: 1/4" = 1'-0"

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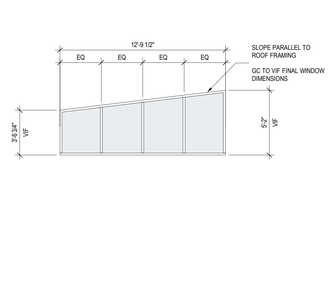
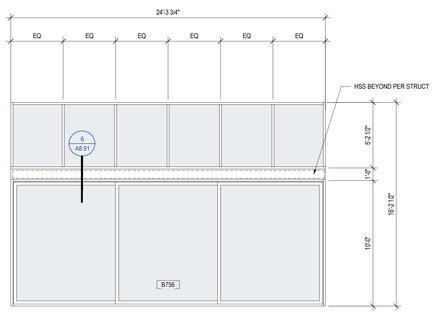
WINDOW TYPES - A

A0.74



13 W-BN
SCALE: 1/4" = 1'-0"

14 W-BO
SCALE: 1/4" = 1'-0"



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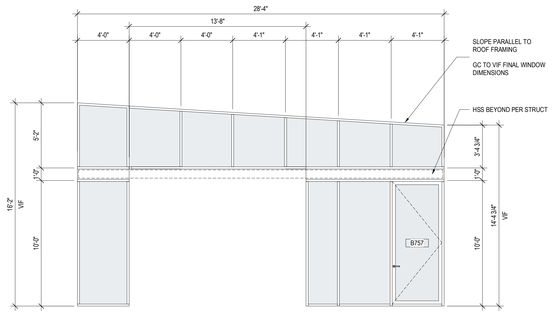

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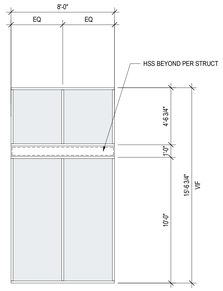

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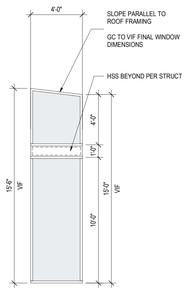

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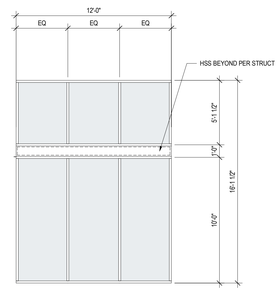

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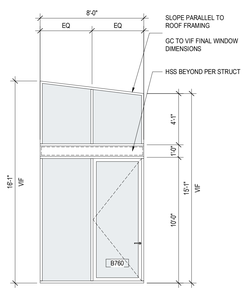

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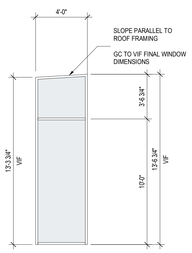

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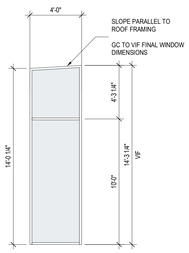

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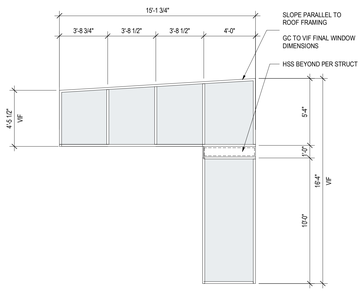

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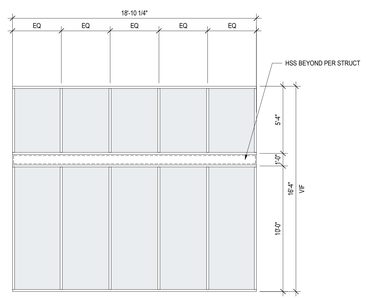

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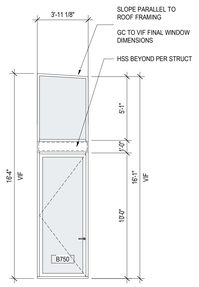

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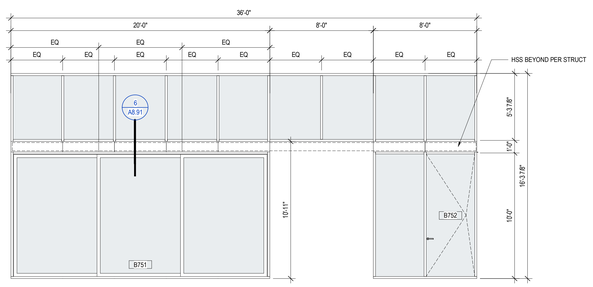

1 W-BA
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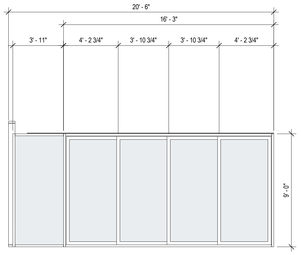
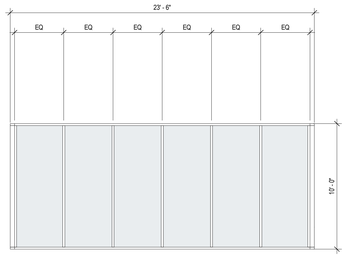
WINDOW TYPES - B

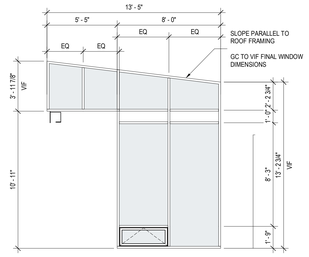
A0.75



8 W-CX
SCALE: 1/4" = 1'-0"



7 W-CW
SCALE: 1/4" = 1'-0"



18 W-CV
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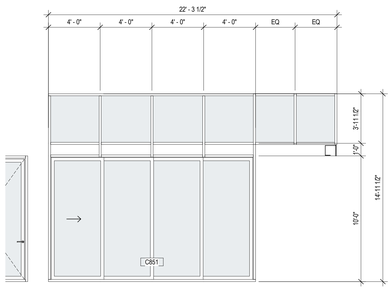
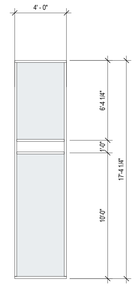
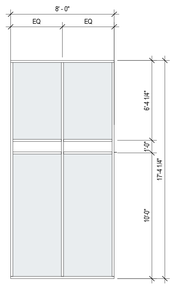


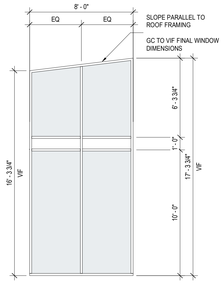
23 W-CU
SCALE: 1/4" = 1'-0"



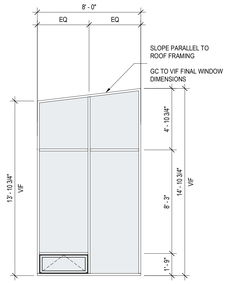
6 W-CT
SCALE: 1/4" = 1'-0"



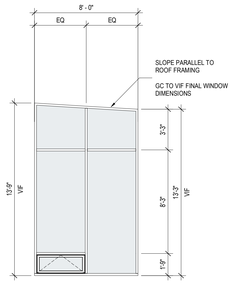
5 W-CS
SCALE: 1/4" = 1'-0"



4 W-CR
SCALE: 1/4" = 1'-0"



30 W-CQ
SCALE: 1/4" = 1'-0"



29 W-CP
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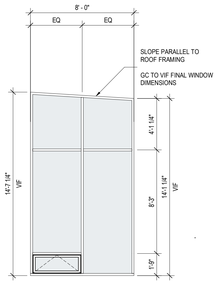
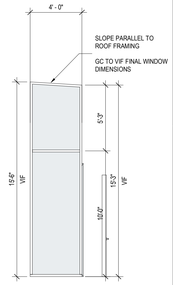
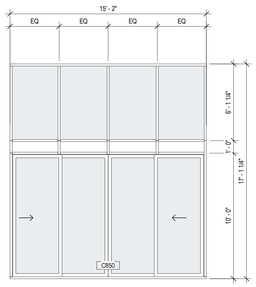


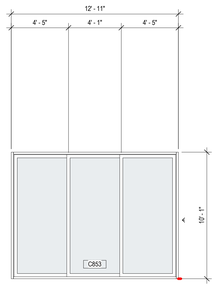
28 W-CO
SCALE: 1/4" = 1'-0"



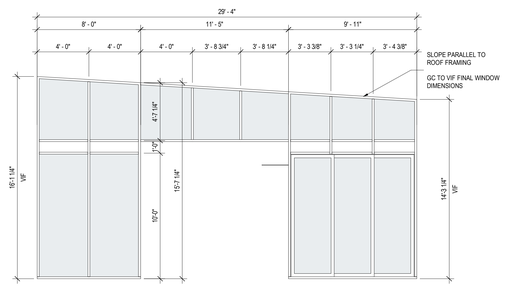
27 W-CN
SCALE: 1/4" = 1'-0"



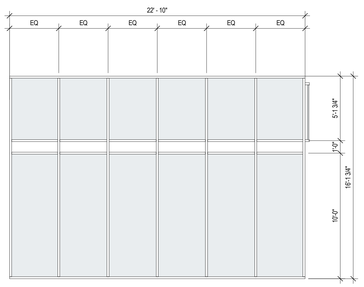
34 W-CM
SCALE: 1/4" = 1'-0"



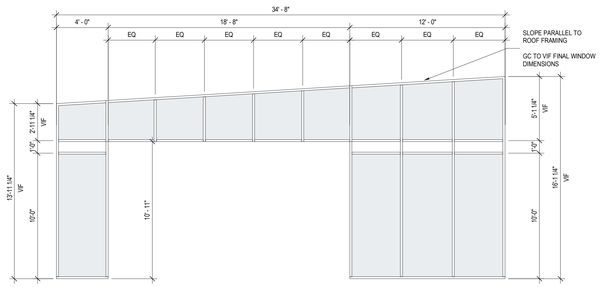
32 W-CL
SCALE: 1/4" = 1'-0"



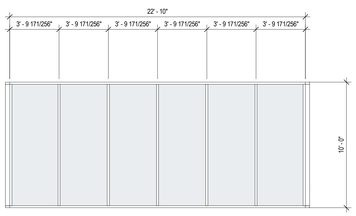
24 W-CJ
SCALE: 1/4" = 1'-0"



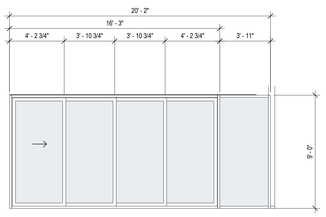
31 W-CI
SCALE: 1/4" = 1'-0"



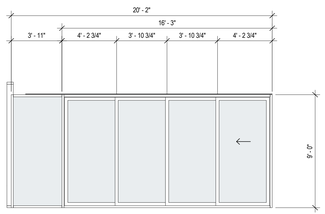
19 W-CH
SCALE: 1/4" = 1'-0"



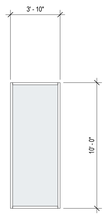
15 W-CD
SCALE: 1/4" = 1'-0"



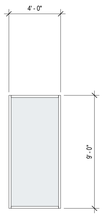
14 W-CB
SCALE: 1/4" = 1'-0"



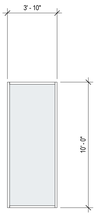
13 W-CA
SCALE: 1/4" = 1'-0"



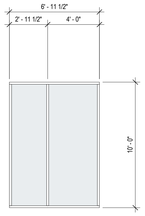
2 W-CF
SCALE: 1/4" = 1'-0"



3 W-CG
SCALE: 1/4" = 1'-0"



1 W-CE
SCALE: 1/4" = 1'-0"



9 W-Z
SCALE: 1/4" = 1'-0"

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checked by JB
job no. 20052
date 05/17/2024

revisions:

no.	date	by

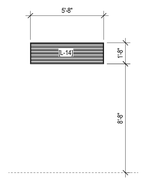
IFC SET 2 OF 3
05/17/2024

WINDOW TYPES - C

A0.76

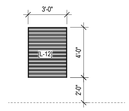
LOUVER SCHEDULE

Type Mark	Height	Width	Description	Level
L-01	9'-1"	5'-1"	LOUVER	PARKING LEVEL 2A
L-02	8'-0"	5'-8"	LOUVER	PARKING LEVEL 2A
L-03	8'-8"	5'-8"	LOUVER	PARKING LEVEL 2
L-04	7'-0"	3'-0"	LOUVER	TOWER A - LEVEL B
L-05	2'-0"	6'-0"	LOUVER	TOWER A - LEVEL 1A
L-06	8'-0"	5'-0"	LOUVER	TOWER C - PARKING
L-08	8'-0"	5'-0"	LOUVER	TOWER A - LEVEL 1A
L-09	8'-0"	5'-0"	LOUVER	TOWER A - LEVEL 1A
L-07	7'-4"	3'-4"	LOUVER	TOWER B - LEVEL P1
L-11	4'-0"	3'-0"	LOUVER	TOWER C - PARKING
L-12	2'-0"	3'-0"	LOUVER	TOWER C - PARKING
L-14	7'-8"	5'-8"	LOUVER	TOWER C - PARKING

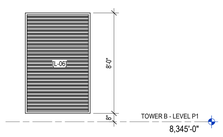


LOUVER - L-14

LOUVER - L-13



LOUVER - L-12



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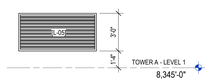

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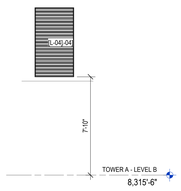

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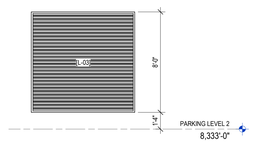
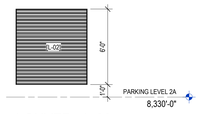
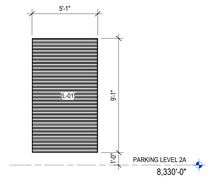


LOUVER - L-03



LOUVER - L-02



LOUVER - L01

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job no. 20052
date 05/17/2024

revisions:

no.	date	by

IFC SET 2 OF 3
05/17/2024

LOUVER SCHEDULE
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