	SYMBOLS
SYMBOL	DESCRIPTION CENTERAL FOLUDATAIT
	GENERAL EQUIPMENT
ACE	ACCESSORY CABINET ENCLOSURE
FACU #	FIRE ALARM CONTROL UNIT (# = NODE NUMBER)
FATC	FIRE ALARM TERMINAL CABINET
FTP	FIRE ALARM TRANSPONDER CABINET
PRN	PRINTER
SCP	FIRE FIGHTER'S SMOKE CONTROL PANEL
PUMP	FIRE PUMP STATUS CONTROL PANEL
	EMERGENCY COMMUNICATION EQUIPMENT
BDA	BI-DIRECTIONAL AMPLIFIER
BDAA	BI-DIRECTIONAL AMPLIFIER ANNUNCIATOR
MIC	VOICE NOTIFICATION MICROPHONE
	MISCELLANEOUS DEVICES
DOC	FIRE ALARM DOCUMENT / DRAWING CABINET
RI	EMOTE SIGNAL TRANSMISSION / RECEIVING EQUIPMENT
DCCT	DIGITAL CELLULAR COMMUNICATION TRANSMITTER
	NON-FIRE ALARM LIFE SAFETY EQUIPMENT
ESR	ELEVATOR STATUS / RECALL PANEL (DIV 14)
GEN	GENERATOR & ATS ANNUNCIATOR (DIV 26)
SEC	DOOR UNLOCKING CONTROLS (DIV 28)
SRP	SMOKE REMOVAL PANEL / CONTROLS (DIV 23)

	SYMBOLS
SYMBOL	DESCRIPTION
	NOTIFICATION APPLIANCES
В	ALARM BELL
W	SPEAKER - WALL MOUNT (W=WATTAGE TAP, TYP))
Ŭ _C	SPEAKER - CEILING MOUNT
ĆD ĆD	STROBE - CEILING MOUNT (CD=CANDELA RATING, TYP)
CD	STROBE - WALL MOUNT
W CD	SPEAKER / STROBE - WALL MOUNT
W ▼CD C	SPEAKER / STROBE - CEILING MOUNT
RTS	DUCT DETECTOR REMOTE ALARM INDICATOR / TEST SWITCH
	MANUAL STATIONS
F	MANUAL FIRE ALARM BOX
	AUTOMATIC FIRE DETECTORS
	FIRE DETECTOR - BASIC SYMBOL (CEILING MOUNT)
\bigcirc	FIRE DETECTOR - BASIC SYMBOL (WALL MOUNT)
√ T	FIXED TEMP HEAT DETECTOR (T=ACTIVATION TEMP, TYP)
⟨s⟩ ^X	PHOTOELECTRIC (PHOTO) SMOKE DETECTOR (X=TYPE, TYP)
\(\s\)X	DUCT MOUNTED PHOTO SMOKE DETECTOR
S↓	COMBINATION (COMBO) SMOKE / HEAT DETECTOR
(SS)	120VAC SINGLE- / MULTI-STATION PHOTO SMOKE ALARM
(CO(SS)	120VAC SINGLE- / MULTI-STATION CO / PHOTO SMOKE ALARM
	ADDRESSABLE FIRE ALARM MODULES
MM (X)	MONITOR MODULE (X=INTERFACE, TYPE)
RM (X)	RELAY MODULE

*ALL FIRE ALARM CONTROL UNITS, MANUAL FIRE ALARM BOXES AND SPOT-TYPE DETECTORS ARE ADDRESSABLE TECHNOLOGY UNLESS OTHERWISE INDICATED.

**NOT ALL SYMBOLS USED FOR THIS PROJECT.

	SYMBOL ANNOTATIONS
ANNOTATION	DESCRIPTION
	GENERAL
WP	WEATHERPROOF
	MONITOR MODULES
AFL	FAN AIR FLOW MONITORING
BDAC	BDA AC POWER LOSS
BDAN	BDA ANTENNA MALFUNCTION
BDBF	BDA BATTER FAILURE
BDLB	BDA LOW BATTERY
BDSB	BDA SIGNAL BOOSTER FAILURE
FPCS	FPU CONNECTED TO ALTERNATE POWER SOURCE
FPPL	FPU PHASE LOSS
FPPR	FPU PHASE REVERAL
FPRN	FPU RUNING
FPVC	FIRE PROTECTION VALVE CLOSED
FPVO	FIRE PROTECTION VALVE OPEN
PCUA	POLLUTION CONTROL UNIT (PCU) SUPPRESSION ALARM
PCUT	PCU SUPPRESSION TROUBLE
KH	KITCHEN HOOD SUPPRESSION DISCHARGE
TS	TAMPER SWITCH
WF	WATERFLOW SWITCH
WTH	FIRE WATER TANK HIGH LEVEL ALARM
WTL	FIRE WATER TANK LOW LEVEL ALARM
WTVL	FIRE WATER TANK VERY LOW LEVEL ALARM
	RELAY MODULES
CFPV	CLOSE FIRE PROTECTION VALVE
ELAI	ELEVATOR ALARM INDICATOR
ELRA	ELEVATOR ALTERNATE RECALL
FLRP	ELEVATOR PRIMARY RECALL
ESC	ELEVATOR SMOKE CURTAIN
FSD	CLOSE FIRE/SMOKE DAMPER
OFPV	OPEN FIRE PROTECTION VALVE
SAFP	START FIRE PUMP
SD	CLOSE SMOKE DAMPER
SOFP	STOP FIRE PUMP
STPF	STOP FAN

*NOT ALL ABBREVIATIONS USED FOR THIS PROJECT.

ABBREVIATIONS	GENERAL REQUIREMENTS
GENERAL AUDIO/VISUAL ACOUSTIC CEILING TILE ABOVE FINISHED FLOOR ABOVE FINISHED GRADE	THE FIRE ALARM ENGINEERING DRAWINGS ARE DIAGRAMMATIC IN NATURE. THEY ARE NOT INTENDED TO BE ABSOLUTELY PRECISE NOR INDICATE EVERY REQUIRED SYSTEM COMPONENT. THEY REPRESENT A SYSTEM CONCEPT, THE MAIN SYSTEM COMPONENTS AND THEIR APPROXIMATE LOCATIONS.
AUTHORITY HAVING JURISDICTION ARCHITECT CENTERLINE DOWN DEGREES DRAWING ELECTRICAL ELEVATOR	2. THE CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL SYSTEM COMPONENTS, WALL LOCATIONS AND DIMENSIONS AND CEILING HEIGHTS AND COORDINATE WITH THE FIRE ALARM SYSTEM TECHNICIAN PRIOR TO PREPARATION OF THE WORKING PLANS / SHOP DRAWINGS. REFER TO DOCUMENT AND SUBMITTAL REQUIREMENTS ON THIS DRAWING FOR ADDITIONAL INFORMATION.
EXISTING FAHRENHEIT FIRE ALARM FIRE PROTECTION FEET GYPSUM WALL BOARD INVERT LIGHTING LOW VOLTAGE (I.E. AUDO/VISUAL, SECURITY, TEL/DATA) MAXIMUM MECHANICAL MECH, ELEC, PLBG, FP, FA, LV, ETC.	APPLICABLE DOCUMENTS BEYOND THE ENGINEERING DRAWINGS: A. CODES AND INSTALLATION STANDARDS INDICATED ON THIS DRAWING. B. COMPLETE CONSTRUCTION DOCUMENTS SET. C. PROJECT MANUAL (TECHNICAL SPECIFICATIONS). D. PRODUCT MANUFACTURER'S REQUIREMENTS. 4. THE CONTRACTOR SHALL GUARANTEE IN WRITING ALL WORK AND EQUIPMENT ASSOCIATED WITH THIS PROJECT FOR ONE (1) YEAR AFTER INSTALLATION. REFER TO THE TECHNICAL SPECIFICATION FOR
MINIMUM NOT APPLICABLE	ADDITIONAL WARRANTY REQUIREMENTS.
NORMALLY CLOSED	
NOT IN CONTRACT NOT TO SCALE	SCOPE OF WORK
PLUMBING SQUARE FEET TEMPERATURE TYPICAL	THE SCOPE OF WORK (REFERRED TO AS "THE WORK" HEREINAFTER) INCLUDES THE INSTALLATION OF PROTECTED PREMISES FIRE ALARM SYSTEM WITH ONE-WAY EMERGENCY VOICE COMMUNICATION.
VOLTAGE IN ALTERNATING CURRENT VOLTAGE IN DIRECT CURRENT WITH	2. THE SCOPE OF WORK INCLUDES THE INSTALLATION OF TWO-WAY RADIO ENHANCEMENT SYSTEM(S) FOR EMERGENCY RESPONDERS.
WEATHER PROOF	3. THE WORK INCLUDES FURNISHING AND INSTALLING ALL DEVICES,

EXPLOSION PROOF BI-DIRECTIONAL AMPLIFIER BI-DIRECTIONAL AMPLIFIER ANNUNCIATOR CIRCUIT INTEGRITY CABLE COAXIAL CABLE NETWORK COMMUNICATION CIRCUIT DIGITAL VOICE COMMUNICATION CIRCUIT ELECTRICAL METALLIC TUBING END OF LINE RESISTOR FIRE ALARM CONTROL UNIT FIRE ALARM SYSTEM FIRE ALARM TERMINAL CABINET FLEXIBLE METAL CONDUIT FIRE PUMP POWER LIMITED FIRE ALARM CABLE POWER LIMITED FIRE ALARM CABLE - PLENUM RATED POWER LIMITED FIRE ALARM CABLE - RISER RATED INITIATING DEVICE CIRCUIT METAL CLAD CABLE NOTIFICATION APPLIANCE CIRCUIT REMOTE ALARM INDICATOR REMOTE ALARM INDICATOR / TEST SWITCH RIGID METALLIC CONDUIT REMOTE POWER SUPPLY SIGNALING LINE CIRCUIT SPEAKER CIRCUIT STR STROBE CIRCUIT

SHALL BE NOTIFIED 10 BUSINESS DAYS PRIOR TO THE 100% INITIAL

ACCEPTANCE TESTING. SAID ACCEPTANCE TESTING SHALL BE WITNESSED BY A REPRESENTATIVE OF JENSEN HUGHES. 1. THE WORK INCLUDES TRAINING OWNER'S PERSONNEL ON THE OPERATION OF THE SYSTEM, REQUIRED MAINTENANCE TASKS AND FREQUENCIES, AND THE LOCATIONS OF ALL SPARE TOOLS AND

REQUIREMENTS" SECTION ON THIS DRAWING.

INDICATED ON THESE DRAWINGS.

WIRING FROM ADDRESSABLE INTERFACE MODULES TO THE ASSOCIATED

6. THE WORK INCLUDES ALL CUTTING, DRILLING, CORE DRILLING, ETC. TO

THE WORK INCLUDES FIRESTOPPING ALL PENETRATIONS MADE

8. THE WORK INCLUDES ALL FEES AND ACTIVITIES REQUIRED TO SECURE

THE WORK INCLUDES THE PREPARATION AND SUBMISSION OF ALL

DOCUMENTS IDENTIFIED IN THE "DOCUMENT AND SUBMITTAL

10. THE WORK INCLUDES PERFORMING FIELD QUALITY CONTROL AND

COMMISSIONING ACTIVITIES OUTLINED IN NFPA 72. JENSEN HUGHES

COMPONENTS TO MAINTAIN AND OPERATE THE FIRE ALARM SYSTEM.

APPROVALS FOR NECESSARY STATE AND LOCAL PERMITS.

THROUGH FIRE-RESISTANCE RATED BARRIERS.

INSTALL PATHWAYS THROUGH EXISTING FLOORS, WALLS AND CEILINGS.

DOCUMENT AND SUBMITTAL REQUIREMENTS THE FIRE ALARM ENGINEERING DRAWINGS ARE "CONSTRUCTION DOCUMENTS" AS DEFINED BY THE BUILDING CODE. THE HAVE BEEN PREPARED FOR SUBMISSION TO THE AUTHORITY HAVING JURISDICTION IN ORDER TO OBTAIN A BUILDING PERMIT AND AS THE BASIS OF DESIGN FOR THE PREPARATION OF THE WORKING PLANS / SHOP DRAWINGS.

THEY INDICATE THE LOCATION, NATURE AND EXTENT OF THE FIRE Y LOCATIONS OF ALL SYSTEM ALARM WORK PROPOSED AND SHOW IN DETAIL THAT IT WILL CONFORM DIMENSIONS AND CEILING THE THE APPLICABLE CODES AND STANDARDS. THESE DRAWINGS FIRE ALARM SYSTEM TECHNICIAN INCLUDE CONCEPTUAL LOCATIONS & ARRANGEMENTS OF MAJOR KING PLANS / SHOP DRAWINGS. COMPONENTS INCLUDING BUT NOT LIMITED TO FIRE ALARM DEVICES L REQUIREMENTS ON THIS AND EQUIPMENT. THEY ARE NOT INTENDED TO BE USED FOR INSTALLATION OR TO OBTAIN INSTALLATION PERMITS.

E ENGINEERING DRAWINGS: THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL TO THE AUTHORITY HAVING JURISDICTION AND THE ENGINEER A COMPLETE NDARDS INDICATED ON THIS SUBMITTAL PACKAGE INCLUSIVE OF PRODUCT DATA SHEETS, WORKING

CUMENTS SET. AMPLIFIER SIZING CALCULATIONS. THE SUBMITTAL PACKAGE SHALL SPECIFICATIONS). INCLUDE ALL INFORMATION REQUIRED BY THE TECHNICAL QUIREMENTS. SPECIFICATIONS, THE BUILDING CODE AND NFPA 72. E IN WRITING ALL WORK AND THE SHOP DRAWINGS AND CALCULATIONS SHALL BE PREPARED UNDER ROJECT FOR ONE (1) YEAR AFTER THE SUPERVISION OF A QUALIFIED ENGINEERING TECHNICIAN OR

REGISTRATION NUMBER. THE CONTRACTOR SHALL PREPARE AND SUBMIT ALL ADDITIONAL FORMS AND DOCUMENTATION REQUIRED BY THE AUTHORITY HAVING AS "THE WORK" HEREINAFTER) ECTED PREMISES FIRE ALARM

VOICE COMMUNICATION. CHANGES IN THE LOCATION OF SYSTEM COMPONENTS FROM THOSE INDICATED ON THE APPROVED SHOP DRAWING SHALL BE IDENTIFIED IN INSTALLATION OF TWO-WAY WRITING TO THE AUTHORITY HAVING JURISDICTION AND JENSEN R EMERGENCY RESPONDERS. HUGHES PRIOR TO INSTALLATION. ALL CHANGES FROM THE APPROVED SHOP DRAWINGS SHALL BE APPROVED IN WRITING PRIOR TO D INSTALLING ALL DEVICES, INSTALLATION. ANY RELOCATIONS OR ADDITIONAL COMPONENTS CABLING, RACEWAY, HANGERS, EQUIPMENT AND OTHER ASSOCIATED REQUIRED FOR A FULL CODE COMPLIANT INSTALLATION (E.G. COMPONENTS IN AREAS OF THE BUILDING REPRESENTED ON THE ADDITIONAL DETECTORS) AS A RESULT OF THE CHANGES SHALL BE ENGINEERING DRAWINGS TO MAKE THE SYSTEMS FULLY COMPLETE AND FURNISHED AND INSTALLED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH 4. THE WORK INCLUDES PROGRAMMING THE FIRE ALARM SYSTEM AS ANY NEW SITE SPECIFIC MODIFICATIONS THAT MAY BE MADE TO THE BUILDING DURING CONSTRUCTION SUCH AS NEW LIGHTS, DROP CEILINGS, ETC. AND UPDATING THE WORKING PLANS AS REQUIRED THE WORK INCLUDES CONNECTION RELAY, MONITOR AND CONTROL

> THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL THE FOLLOWING CLOSEOUT DOCUMENTATION:

THROUGHOUT THE DURATION OF CONSTRUCTION.

PLANS / SHOP DRAWINGS AND BATTERY, DB LOSS, VOLTAGE DROP AND

PROFESSIONAL ENGINEER. THE SHOP DRAWINGS SHALL INDICATE THE

TECHNICIAN'S OR ENGINEER'S NAME AND THEIR CERTIFICATION OR

A. A COMPLETE RECORD DRAWING PACKAGE BEARING "RECORD DRAWING", "AS-BUILT DRAWING" OR SIMILAR AND THE ASSOCIATED DATE OF CREATION. THE RECORD DRAWING PACKAGE SHALL INCLUDE SITE SPECIFIC MODIFICATIONS RECORDED DURING

CONSTRUCTION. APPLICABLE SYSTEMS ACCEPTANCE DOCUMENTATION REQUIRED BY THE APPLICABLE NFPA STANDARDS. C. COMPLETE PRODUCT DATA SUBMITTAL PACKAGE INCLUSIVE OF ALL INSTALLED MATERIALS. D. OPERATION AND MAINTENANCE MANUALS.

E. DEVICE ADDRESS LIST.

FIRE ALARM SYSTEM DESIGN REQUIREMENTS FIRE ALARM SYSTEM DESIGN, MODIFICATION AND INSTALLATION SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS: A. 2018 UTAH BUILDING CODE (AMENDED 2018 IBC) B. 2018 UTAH FIRE CODE (AMENDED 2018 IFC)

2016 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE

2017 NATIONAL ELECTRIC CODE (NFPA 70) WITH UTAH AMENDMENTS MANUFACTURER'S PUBLISHED DOCUMENTATION AT THE COMMENCEMENT OF FIRE ALARM SYSTEM INSTALLATION .

SPECIAL INSPECTIONS 1. THE FIRE ALARM SYSTEM PERFORMS CONTROL / SUPERVISION OF THE BUILDING SMOKE CONTROL SYSTEMS AND AS SUCH IS REQUIRED TO UNDERGO SPECIAL INSPECTIONS IN ACCORDANCE WITH 2018 UTAH BUILDING CODE CHAPTER 17 AND SECTION 909.

FIRE ALARM SYSTEM INSTALLATION REQUIREMENTS

COORDINATE INSTALLATION ACTIVITIES WITH OTHER DIVISIONS OF WORK. MAKE REASONABLE AND NECESSARY MODIFICATIONS IN SYSTEM INSTALLATION REQUIRED TO PREVENT CONFLICTS WITH OTHER DIVISIONS OF WORK AND IN ORDER TO MAINTAIN ALL CODE REQUIRED CLEARANCES FOR INSPECTION, TESTING AND MAINTENANCE FOR ALL BUILDING SYSTEMS AND CODE MINIMUM HEADROOM.

. ALL COMPONENTS SHALL BE NEW UNLESS OTHERWISE NOTED AND BE UL LISTED OR FM APPROVED.

INSTALL SYSTEMS IN AN EFFICIENT AND RECTILINEAR ARRANGEMENT WITH COMPONENTS PERPENDICULAR AND PARALLEL TO BUILDING WALLS, CEILINGS, STRUCTURE AND SIMILAR ELEMENTS. UNLESS OTHERWISE INDICATED CEILING MOUNTED SYSTEM COMPONENTS SHALL BE INSTALLED CONCEALED ABOVE FINISHED CEILINGS.

INSTALL FIRE ALARM DISPLAYS, OVERRIDE CONTROLS, EXTERIOR PRIVATE MODE NOTIFICATION, SIGNAGE AND OTHER SIMILAR COMPONENTS REQUIRING FIRE DEPARTMENT INTERFACE IN READILY VISIBLE LOCATIONS WITH PROPER CLEARANCES AND IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT REQUIREMENTS.

5. IDENTIFICATION SHALL BE PROVIDED AS REQUIRED BY THE APPLICABLE NFPA STANDARDS AND LOCAL FIRE DEPARTMENT AT ALL DEVICES, JUNCTION BOXES AND EQUIPMENT.

PROVIDE SLEEVES, SLEEVES SEALS, ESCUTCHEONS AND LISTED

FIRESTOPPING SYSTEMS AT ALL FLOOR / WALL PENETRATIONS AS

REQUIRED BY THE TECHNICAL SPECIFICATIONS. WET CORE DRILLING SHALL BE USED WITH PROPER PROTECTION IN PLACE TO PREVENT DAMAGE TO THE BUILDING.

FIRE ALARM DEVICES INSTALLED WITHIN FINISHED CEILINGS SHALL BE ALIGNED WITH ADJACENT CEILING COMPONENTS OR CENTER OF TILE WITH NO VISIBLE DEVIATION.

ALL NEW POWER LIMITED FIRE ALARM CIRCUITS (REFERRED TO AS "CIRCUITS" HEREAFTER) SHALL BE INSTALLED IN A DEDICATED CONTINUOUS METAL RACEWAY, MC CABLE OR EXPOSED AS INDICATED IN THE TECHNICAL SPECIFICATIONS. POWER LIMITED FIRE ALARM CIRCUITS SHALL NOT BE INSTALLED WITHIN THE SAME RACEWAY AS NON-POWER LIMITED CIRCUITS.

10. SUPPORT CONDUIT, CABLES AND RACEWAYS BY BUILDING STRUCTURE. ATTACHMENT TO CEILING SYSTEMS IS NOT PERMITTED.

1. CIRCUITS SHALL BE INSTALLED CONTINUOUS BETWEEN DEVICES AND

EQUIPMENT TERMINALS WITHOUT SPLICES. 12. T-TAPPING OF CIRCUITS IS NOT PERMITTED.

13. CONTINUOUS METAL RACEWAYS SHALL BE 3 INCHES MIN WITH RED MARKINGS EVERY 10 FT OR SOLID RED IN CÖLOR; MC CABLE SHALL HAVE

14. COVERPLATES AND CONNECTORS SHALL HAVE FACTORY APPLIED RED FINISH.

15. REDUNDANT PATHWAYS SHALL BE INSTALLED WITH A MINIMUM

SEPARATION OF 1 FT IN THE VERTICAL AND 4 FT IN THE HORIZONTAL. 16. PROVIDE TRANSIENT VOLTAGE SURGE SUPPRESSORS ON ALL CIRCUITS EXITING THE BUILDING.

7. ALL EXTERIOR BURIED CIRCUITS AND CIRCUITS INSTALLED WITHIN SLABS ON GRADE SHALL BE UL LISTED FOR WET LOCATIONS.

FIRE ALARM EQUIPMENT WALL MOUNTED FIRE ALARM EQUIPMENT SHALL BE INSTALLED SUCH THAT THE BOTTOM OF THE CABINET IS A MINIMUM OF 12 INCHES AFF, TOP OF EQUIPMENT DOES NOT EXCEED 72 INCHES AFF AND THE TOP OF DISPLAY(S) / CONTROLS DOES NOT EXCEED 60 INCHES AFF.

BATTERY CABINETS SHALL BE INSTALLED SUCH THAT THE TOP OF THE CABINET DOES NOT EXCEED 48 INCHES AFF.

. ALL NEW FIRE ALARM EQUIPMENT SHALL BE POWERED FROM A DEDICATED 120VAC BRANCH CIRCUIT WITH A SURGE PROTECTIVE DEVICE INSTALLED. THE LOCATION OF THE BRANCH CIRCUIT DISCONNECTING MEANS SHALL BE IDENTIFIED AT THE FIRE ALARM EQUIPMENT AND THE BRANCH CIRCUIT BREAKER SHALL BE LABELED, PROVIDED WITH A RED MARKING AND LOCKED WITH A LISTED BREAKING LOCKING DEVICE.

NOTIFICATION APPLIANCES WALL MOUNTED STROBE ONLY AND SPEAKER/STROBE APPLIANCES SHALL BE INSTALLED SUCH THAT THE ENTIRE LENS IS BETWEEN 80 - 96-INCHES AFF AND INSTALLED AT A CONSISTENT HEIGHT THROUGHOUT THE SAME COMPARTMENT WITH OTHER WALL MOUNTED STROBE ONLY, HORN/STROBE AND SPEAKER/STROBE APPLIANCES.

2. WALL MOUNTED SPEAKER ONLY APPLIANCES SHALL BE INSTALLED WITH THEIR TOPS AT A MINIMUM OF 90-INCHES AFF AND 6-INCHES BELOW FINISHED CEILINGS.

3. CEILING MOUNTED STROBE ONLY AND SPEAKER/STROBE APPLIANCES INSTALLED IN AREAS WITH EXPOSED STRUCTURE SHALL BE INSTALLED AS TIGHT TO STRUCTURE AS POSSIBLE WHILE MAINTAINING ALL LENSES BELOW OTHER EXPOSED MEP AND AT A CONSISTENT HEIGHT WITH ALL APPLIANCES WITHIN THE COMPARTMENT.

FIRE ALARM SIGNALING AUDIBILITY AND INTELLIGIBILITY INTELLIGIBILITY SOUND WATT TAP NOTES ROOMS OR AREAS REQUIRED? PRESSURE LEVEL PUBLIC COMMON AREA RESTROOMS YES 55 dB 0.25w AMENITIES YES 55 dB 0.25w CORRIDORS, LOBBIES, VESTIBULES YES 55 dB 0.25w PUBLIC SINGLE OCCUPANT BATHROOMS 30 dB ELECTRICAL, TEL/ DATA, 30 dB 0.25w JANITOR, STORAGE, TRASH ROOMS MECHANICAL ROOMS 85 dB 2.0w PARKING GARAGE 85 dB 2.0w RESIDENTIAL 0.25w INTELLIGIBILITY TO BE PROVIDED IN ALL LIVING AREAS AND BEDROOMS

NOTES:

1. ADJUST WATTAGE TAPS AS REQUIRED BASED UPON INITIAL ACCEPTANCE TESTING. CONTRACTOR SHALL CARRY ALLOWANCE OF 16 HOURS FOR SPEAK TAP ADJUSTMENTS BASED UPON INITIAL TESTING.

FIRE ALARM SYSTEM INSTALLATION REQUIREMENTS ADDRESSABLE INTERFACE MODULES

COORDINATE EXACT LOCATIONS OF SUPERVISED AND CONTROLLED EQUIPMENT WITH OTHER DIVISIONS OF WORK. COORDINATE THE VOLTAGE RATING OF ALL RELAY / CONTROL MODULES WITH THE VOLTAGE RATING OF THE ASSOCIATED EQUIPMENT. INTERPOSING RELAYS SHALL BE PROVIDED WHERE THE VOLTAGE RATING OF THE CONTROLLED EQUIPMENT EXCEEDS THAT OF THE ASSOCIATED RELAY / CONTROL MODULE OR WHERE INDICATED ON THE

ENGINEERING DRAWINGS. INSTALL RELAY MODULES WITHIN 3-FT OF THE ASSOCIATED DEVICE OR CIRCUIT BEING CONTROLLED.

INITIATING DEVICES MANUAL STATIONS SHALL BE INSTALLED SUCH THAT THE OPERABLE PART IS BETWEEN 42 - 48-INCHES AFF.

PROVIDE REMOTE ALARM INDICATORS WITH TEST SWITCHES FOR DUCT-MOUNTED AND IN-DUCT SMOKE DETECTORS AS INDICATED ON THE DRAWINGS. RAI/TS SHALL BE WALL MOUNTED WITH ENTIRE DEVICE INSTALLED 48 - 60-INCHES AFF. WHERE RAI/TS ARE INDICATED IN FRONT OF HOUSE LOCATIONS INSTALL DEVICE ADJACENT TO DETECTOR LOCATION OVERHEAD. WHERE RAI/TSA ARE INDICATED IN MEP ROOMS INSTALL AT FLOOR LEVEL IN READILY VISIBLE LOCATION APPROVED BY

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· principal architect_____ project manager__JCC_____ drawn by CRB, SMK ____ checked by Checker job no. 20052 date 11/18/2022

revisions:

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11/18/2022

no. date

FIRE ALARM NOTES, LEGEND AND DESIGN CRITERIA

FA0.00

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job no. 20052 date 11/18/2022 ISSUE FOR CONSTRUCTION

11/18/2022

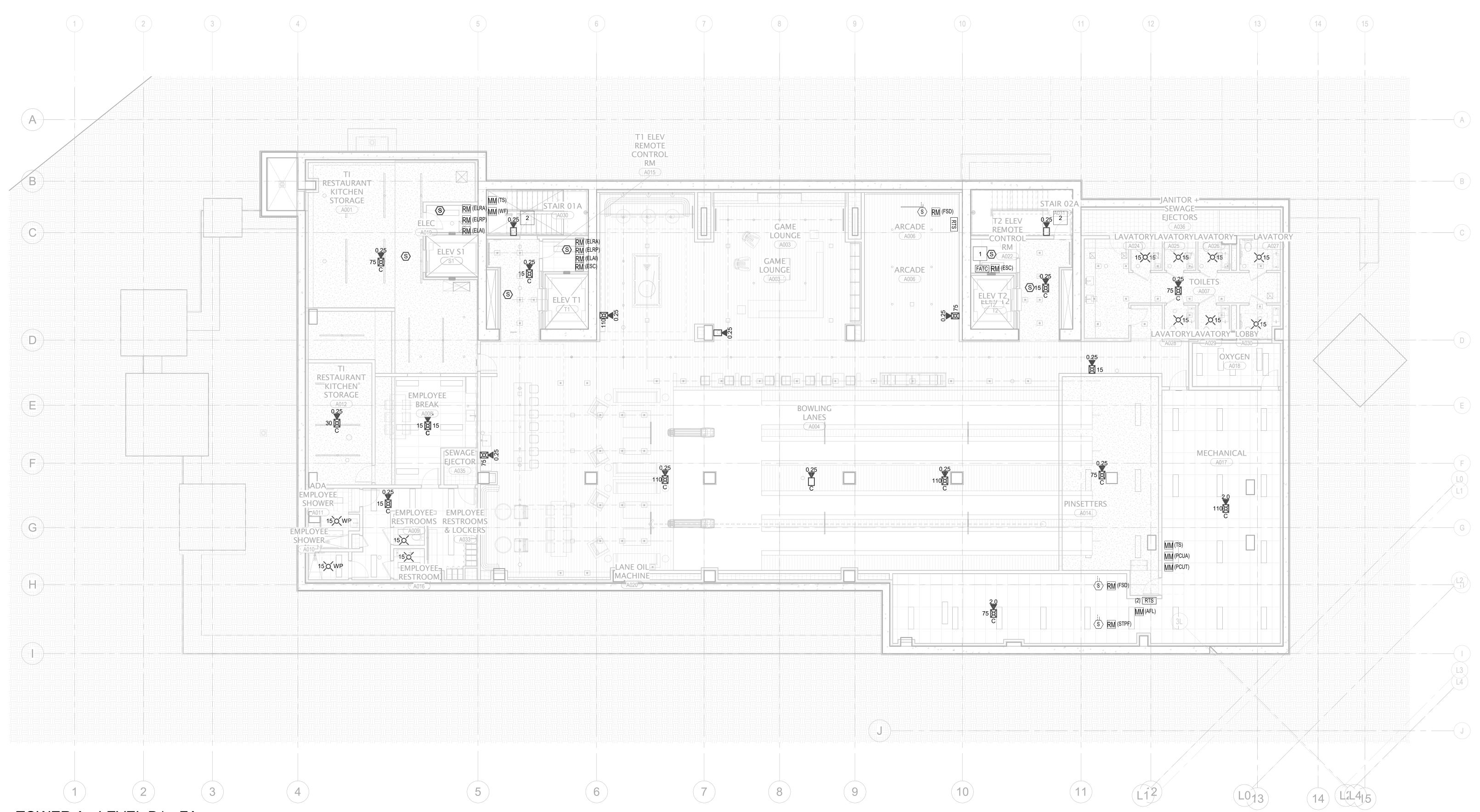
1001 Fourth Ave., Suite 3100 Seattle, WA 98154

principal architect_____ project manager__JCC____

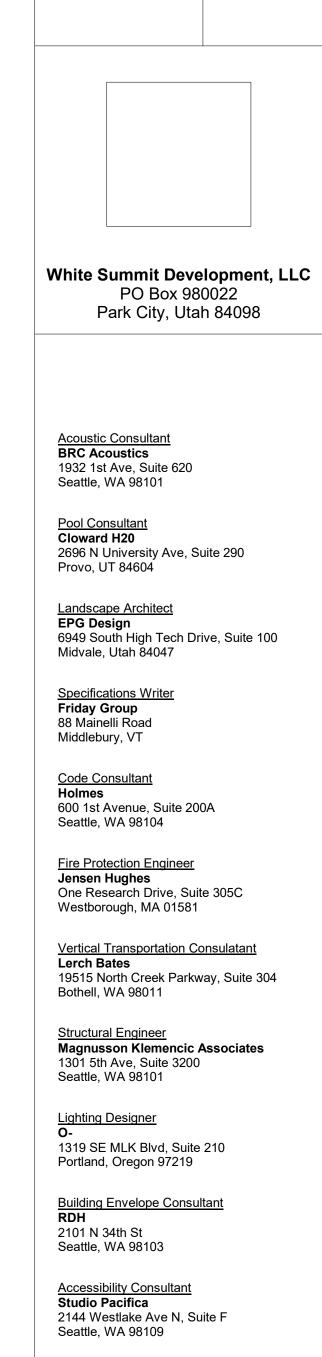
drawn by__CRB, SMK____

checked by__JCC____

FIRE ALARM PLAN -TOWER A - LVL B FA2.2A.01



1 TOWER A - LEVEL B1 - FA
1/8" = 1'-0"

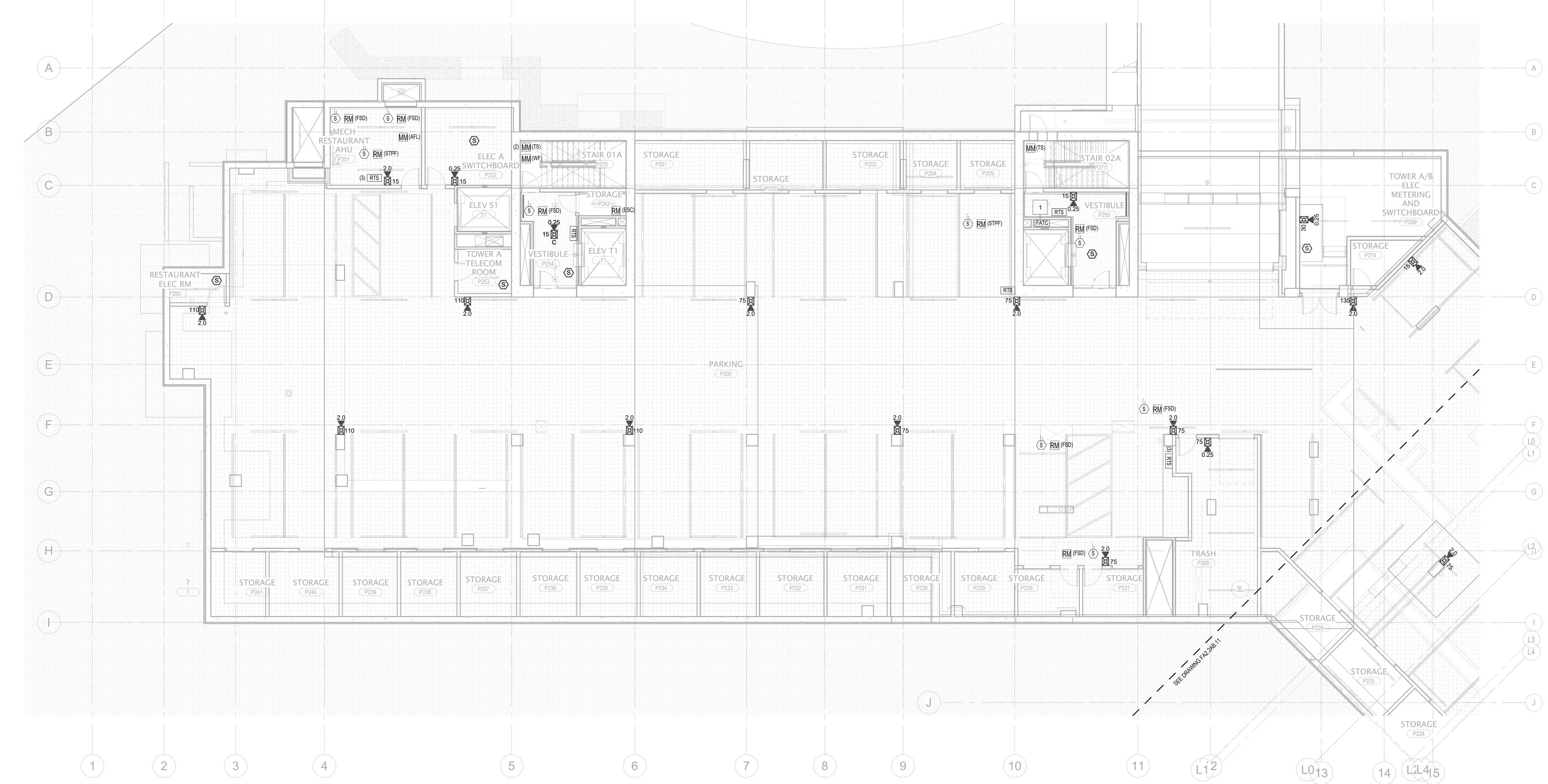


MEP Engineer
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FIRE ALARM PLAN -TOWER A - LVL P2 FA2.2A.02



TOWER A - PARKING LEVEL 2A - FA

1/8" = 1'-0"



MULTIPLE-CRITERIA DETECTOR PROGRAMMED FOR ALARM VERIFICATION.

2 FIRE ALARM TERMINAL CABINET WITHIN 2-HR RATED SHAFT ACCESSIBLE VIA 2-HR RATED ACCESS PANEL. COORDINATE INSTALLATION AND ACCESS WITH DIVISION 26. TRANSITION FROM 2-HR CIC TO FPL CABLE IN EMT AT THIS POINT.

3 2-HR CIC SLC AND NAC FROM FCC TO 2-HR RATED SHAFT AND STAIRS. ROUTING SHOWN FOR CONCEPTUAL PURPOSES ONLY. MULTIPLE RACEWAYS MAY BE REQUIRED BASED UPON CONDUIT FILL REQUIREMENTS.

4 PULL STATIONS FOR TOTAL BUILDING EVACUATION IN TOWERS AB AND TOWER C.

5 DEDICATED SPEAKER CIRCUIT (2-HR CIC) TO STAIR SPEAKERS; TRANSITION TO FPL IN EMT AT FIRST DEVICE.

6 STAIR SPEAKER FOR MANUAL PAGING CONNECTED TO DEDICATED CIRCUIT.

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FIRE ALARM PLAN - TOWER A - LVL 1

FA2.2A.11

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principal architect_____ project manager__JCC____ drawn by__CRB, SMK____ job no. 20052

checked by Checker date 11/18/2022

ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN -TOWER A - LVL 2 FA2.2A.12



principal architect
project manager__JCC
drawn by__CRB, SMK

checked by__Checker
job no. 20052
date 11/18/2022
revisions:

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ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN - TOWER A - LVL 3

FA2.2A.13



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principal architect

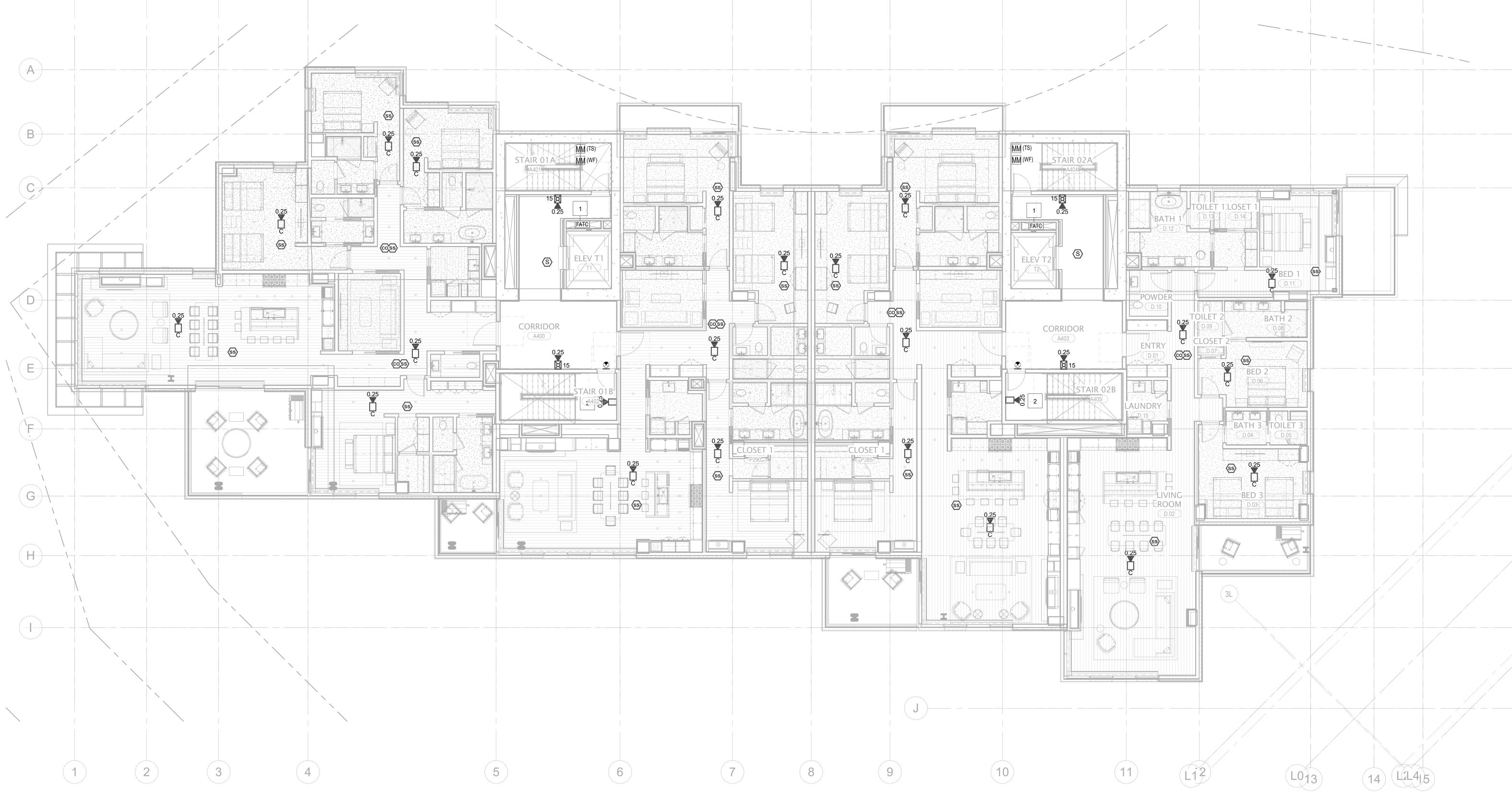
job no. 20052 date 11/18/2022 revisions:

no. date

ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN TOWER A - LVL 4

FA2.2A.14



1 TOWER A - LEVEL 4 - FA
1/8" = 1'-0"

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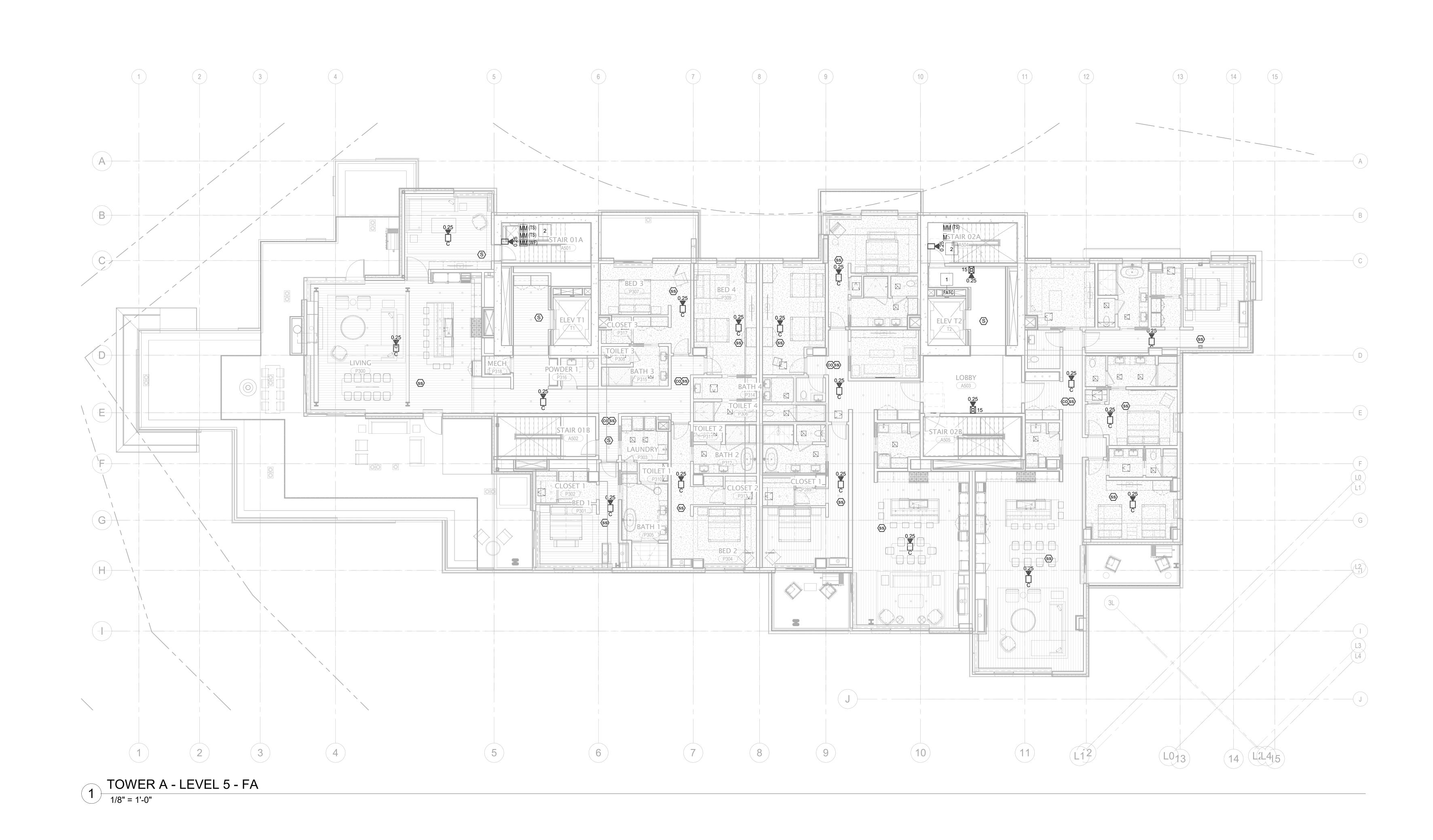
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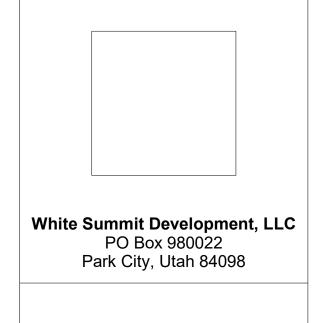
ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN -TOWER A - LVL 5

FA2.2A.15







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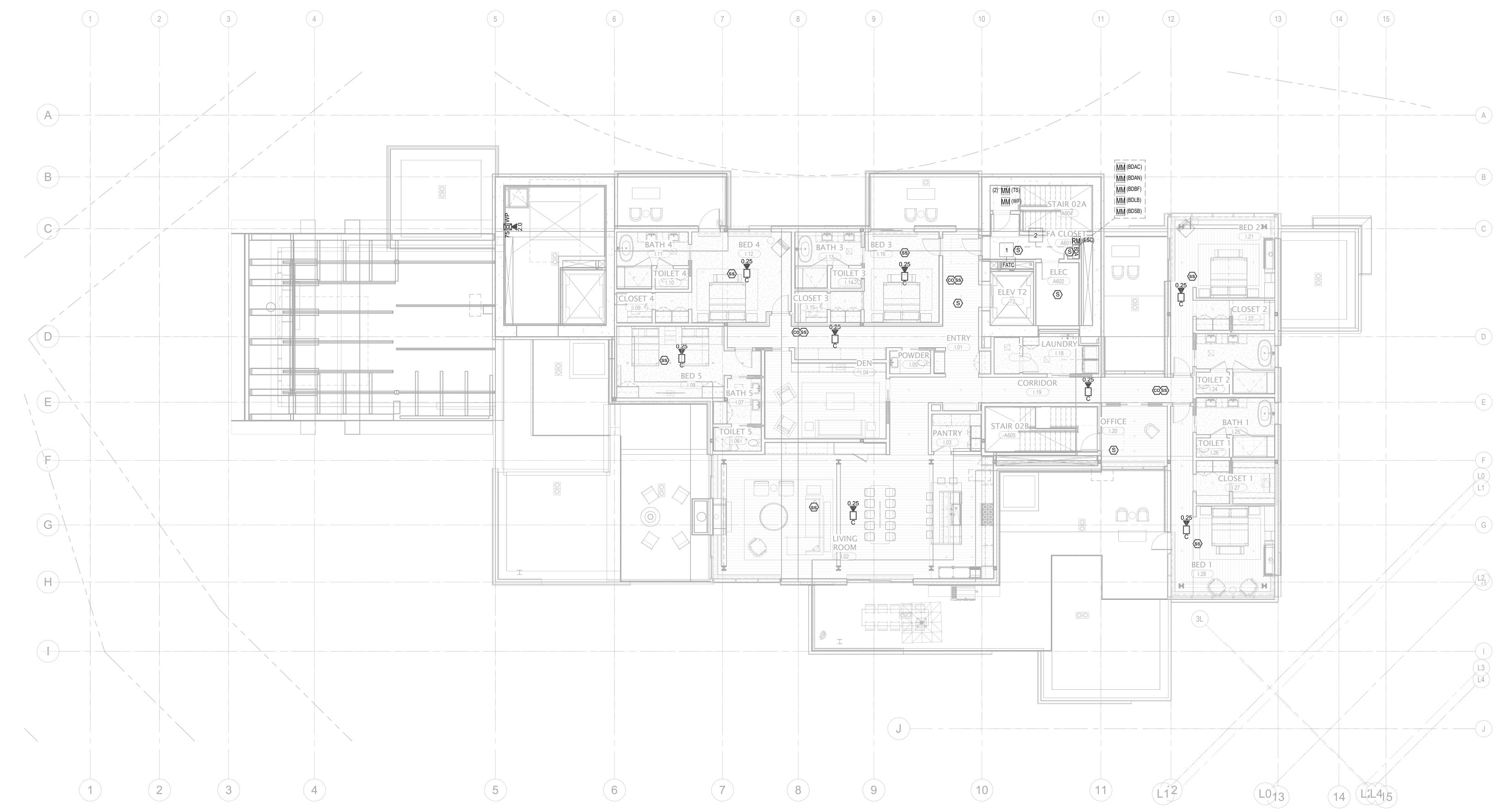
1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103 Accessibility Consultant
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<u>Lighting Designer</u>

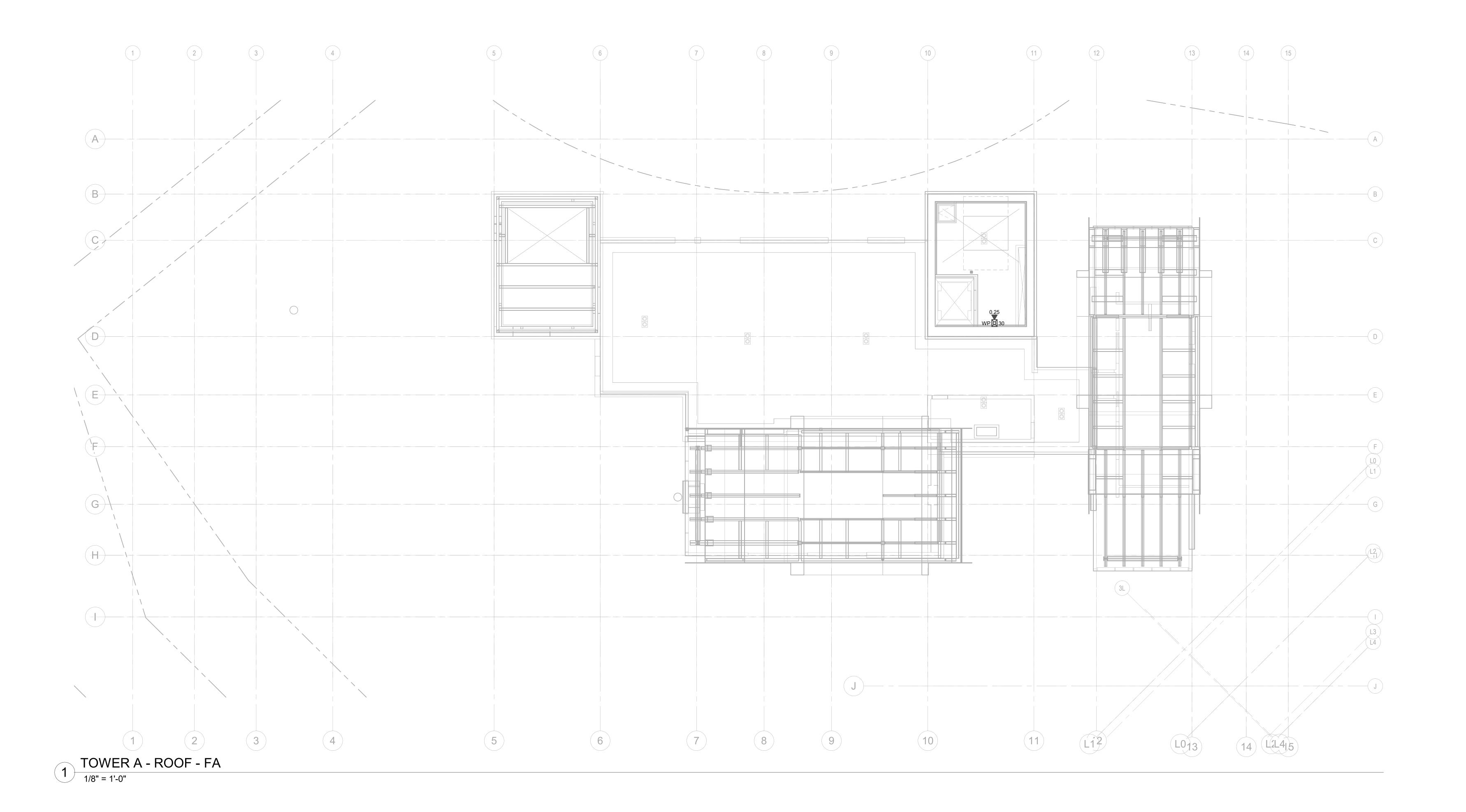
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WSP USA
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Seattle, WA 98154 ____ principal architect_____ project manager<u>JCC</u> drawn by__CRB, SMK____ ____ checked by Checker job no. 20052 date 11/18/2022

ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN -TOWER A - LVL 6 FA2.2A.16



1 TOWER A - LEVEL 6 - FA
1/8" = 1'-0"



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WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154 principal architect_____

project manager<u>JCC</u>

drawn by__CRB, SMK____

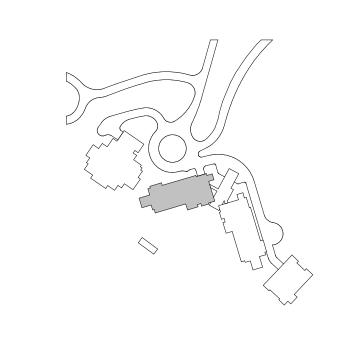
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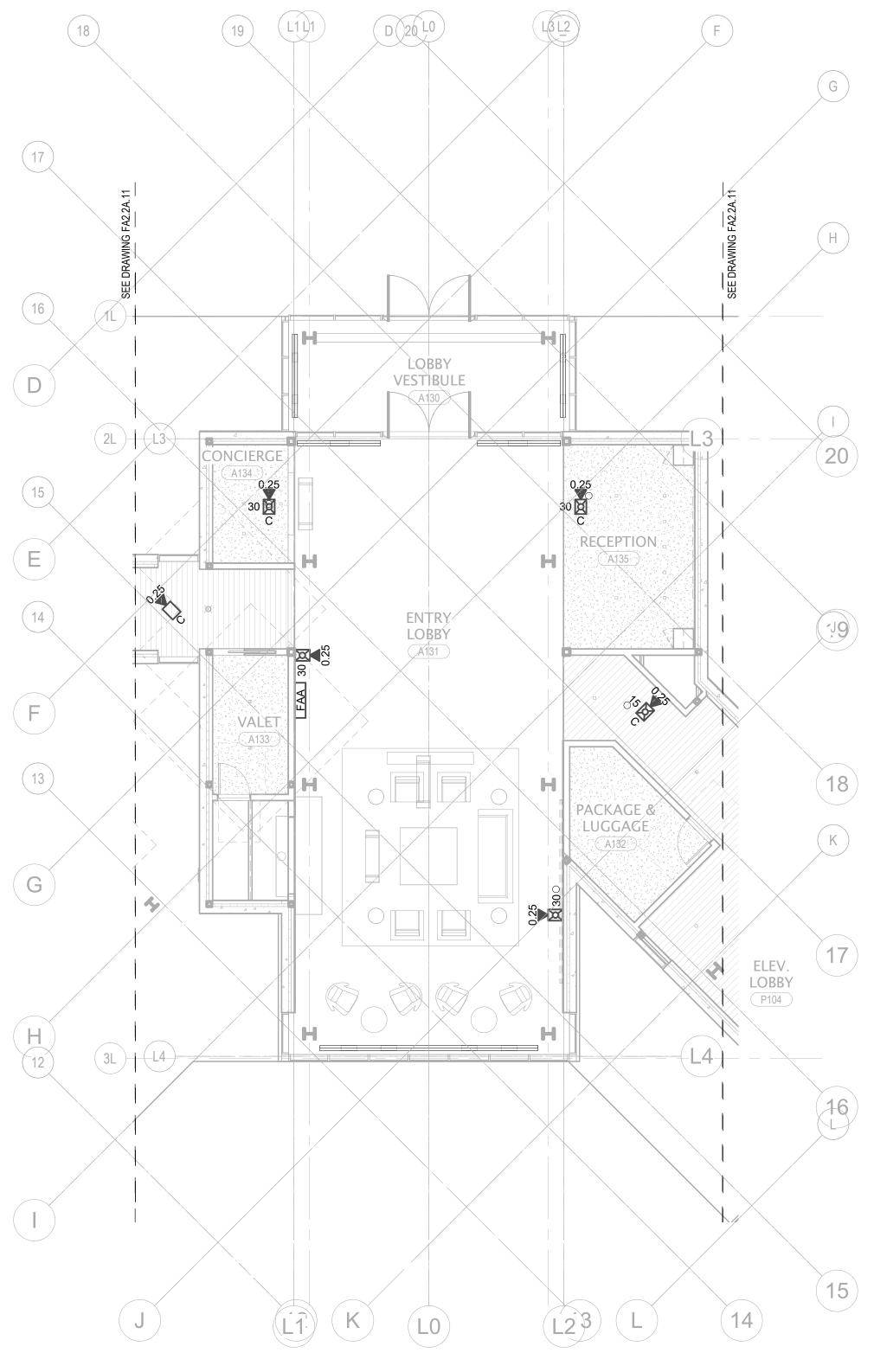
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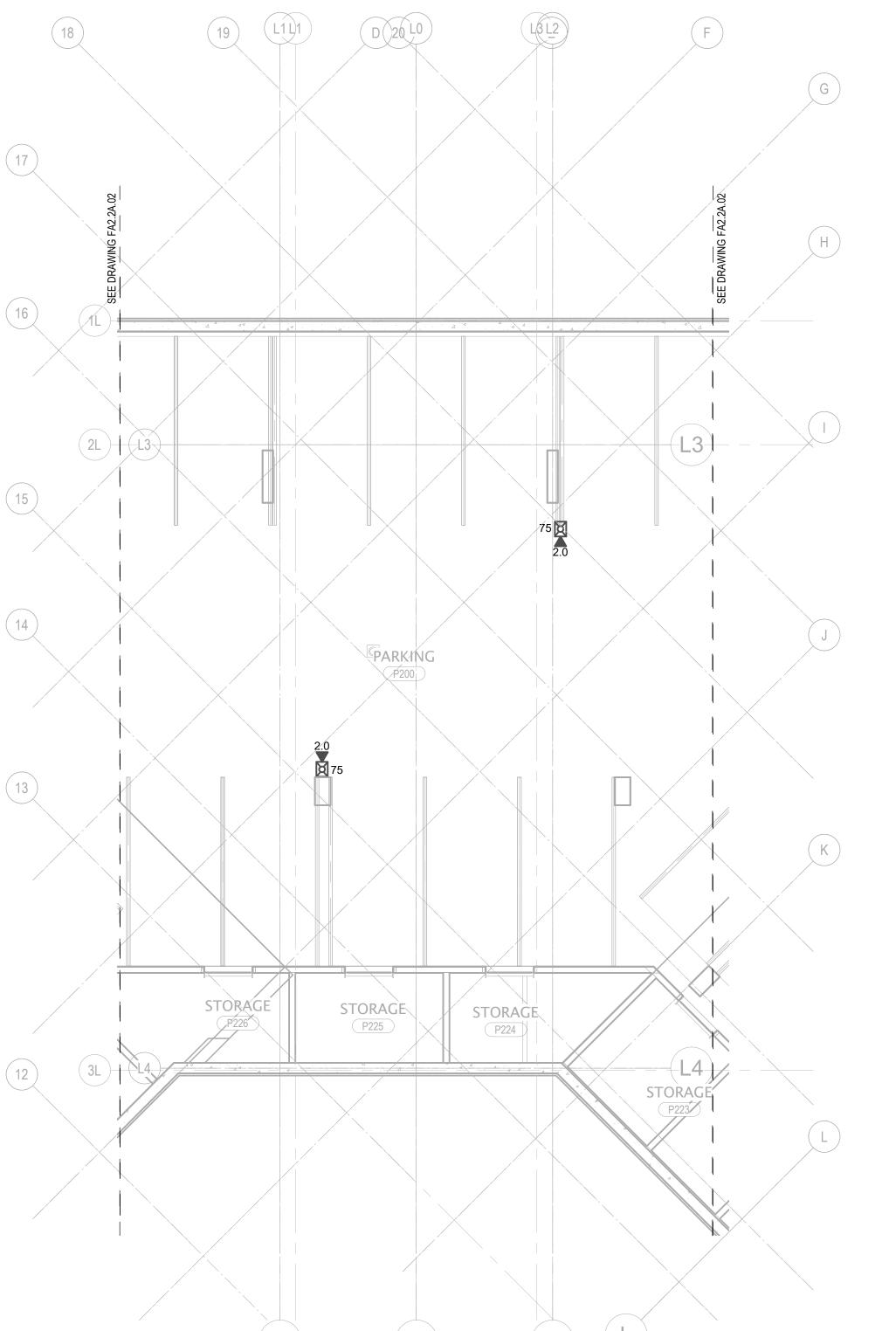
FA2.2A.R

FIRE ALARM PLAN -TOWER A - ROOF





1 TOWER AB - LOBBY - LEVEL 1 - FA
1/8" = 1'-0"



TOWER AB - LOBBY - PARKING LEVEL 2 - FA

1/8" = 1'-0"

LO

GENERAL NOTE: PROVIDE EQUIPMENT, SYNC CIRCUITS, ETC. IN ORDER TO ENSURE AUDIBLE / VISUAL NOTIFICATION APPLIANCES AT THESE TWO LEVELS OPERATE IN SYNCHRONIZATION.

Olson White Summit Development, LLC PO Box 980022 Park City, Utah 84098 Acoustic Consultant
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no. date ISSUE FOR CONSTRUCTION 11/18/2022

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principal architect_____

project manager<u>JCC</u>

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checked by Checker

date 11/18/2022

job no. 20052

-

FIRE ALARM PLAN -TOWER AB - LOBBY FA2.2AB.11

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project manager__JCC
drawn by__CRB, SMK

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job no. 20052
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revisions:

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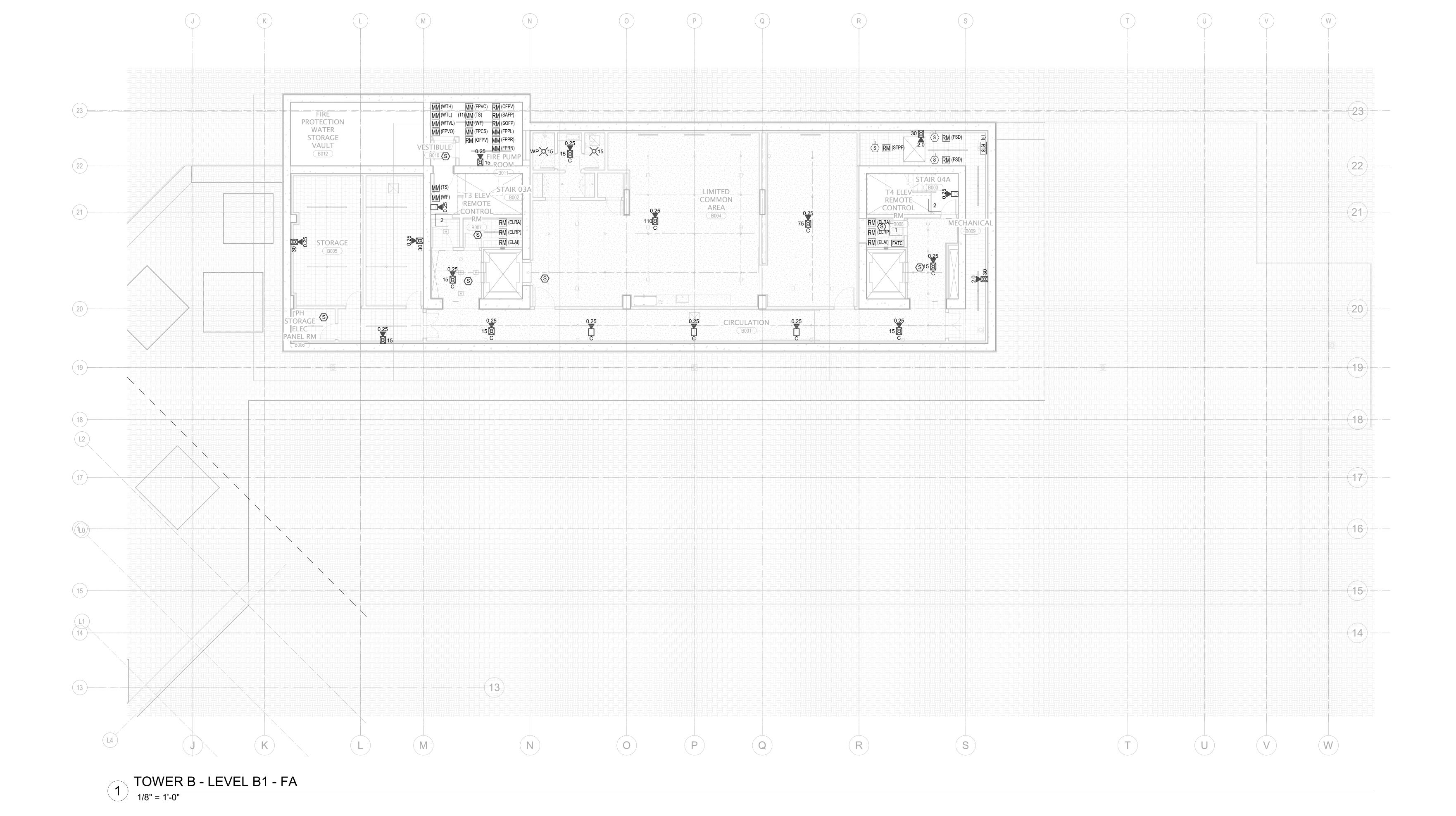
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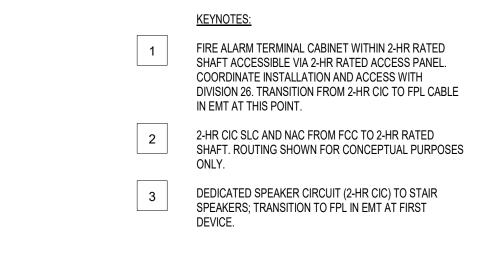
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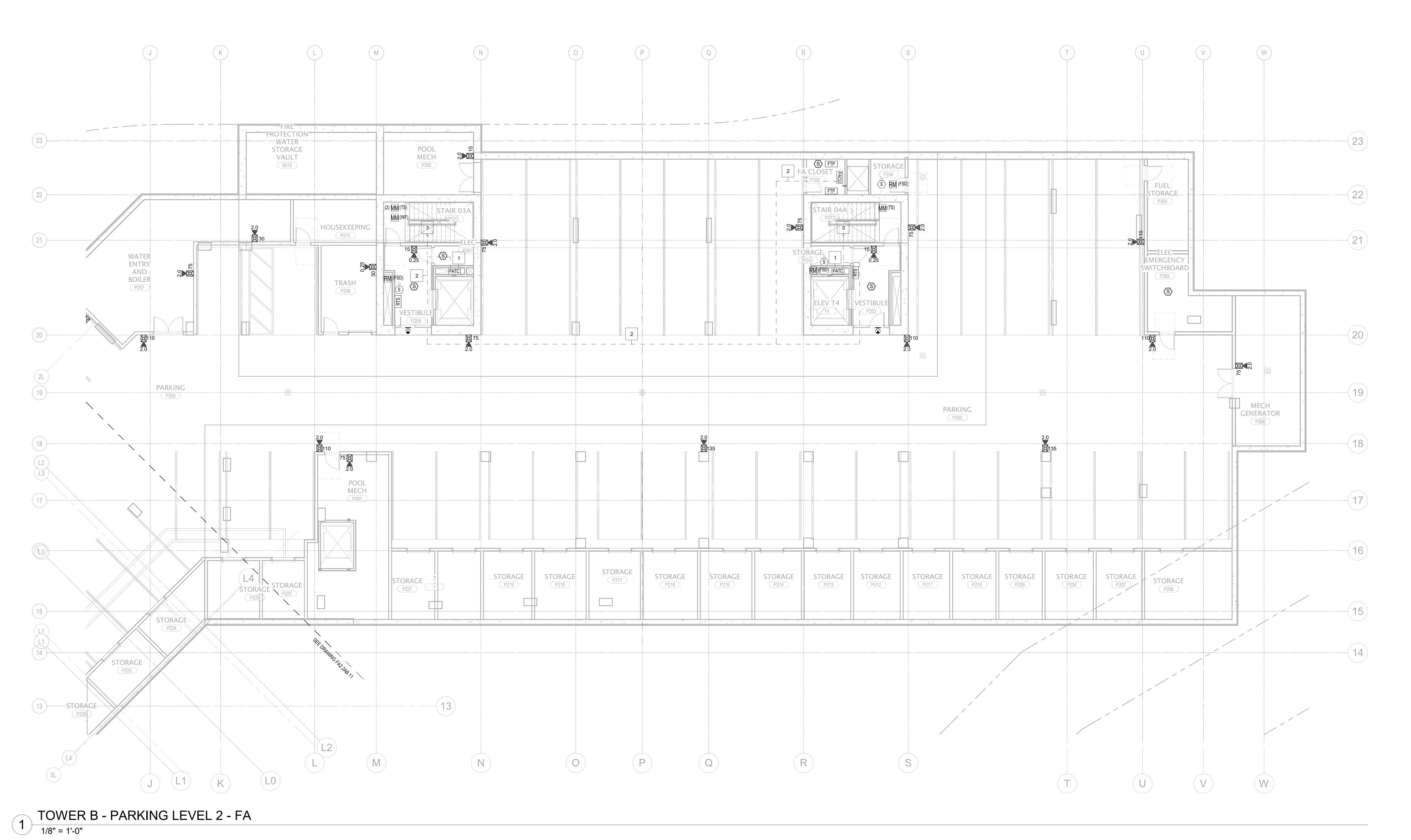
ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN - TOWER B - LVL B1

FA2.2B.01







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FIRE ALARM PLAN -TOWER B - LVL P2

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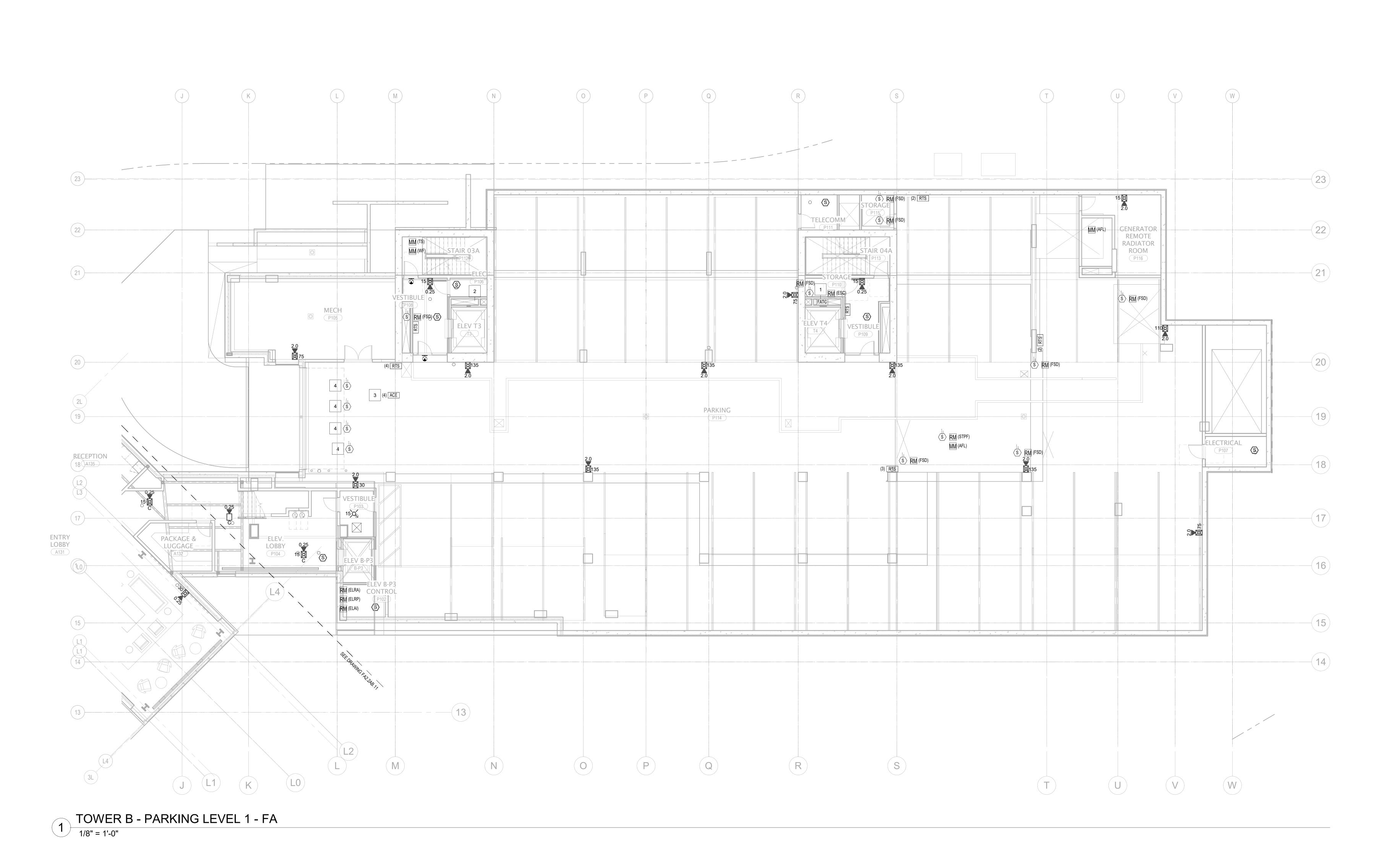
1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219 Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103

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principal architect_____

FA2.2B.02



FIRE ALARM TERMINAL CABINET WITHIN 2-HR RATED SHAFT ACCESSIBLE VIA 2-HR RATED ACCESS PANEL. COORDINATE INSTALLATION AND ACCESS WITH DIVISION 26.

2 NO FATC THIS LEVEL.

3 ACCESSORY CABINET ENCLOSURE FOR SMOKE CONTROL FAN INTERFACE LOCATED IN 2-HR RATED ENCLOSURE ADJACENT TO FAN VFD (FOR FANS SPF-B-P1-1 THRU SPF-B-P1-4). REFER TO DETAIL 5 ON FA7.01 FOR ADDITIONAL INFORMATION. MODULES SHALL BE CONNECTED TO 2-HR DEDICATED SLC FROM BUILDING B FACU.

4 STAIR PRESSURIZATION FAN DUCT DETECTOR.

KUNDI 159 South Jac Seattle, Was +1 206 624 567

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SOI SOI SEEF

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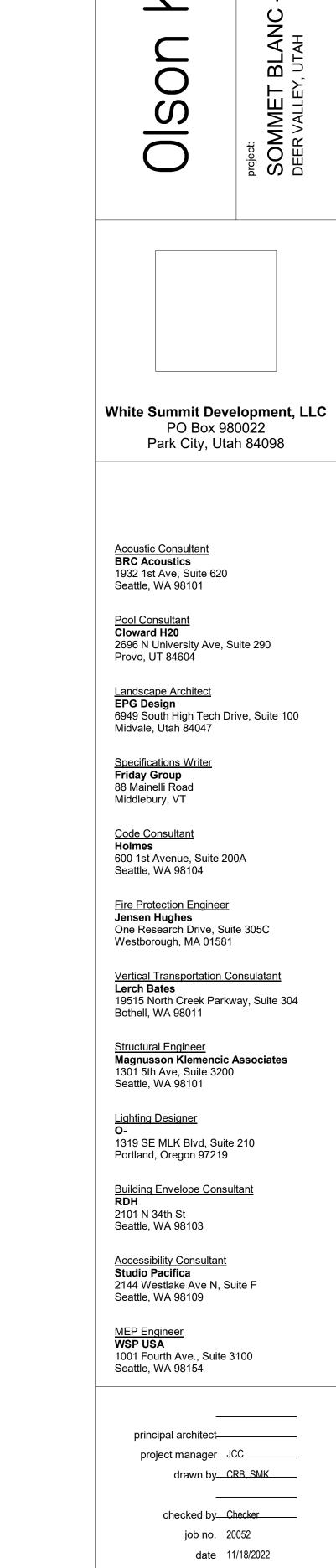
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FIRE ALARM PLAN -TOWER B - LVL P1

FA2.2B.03



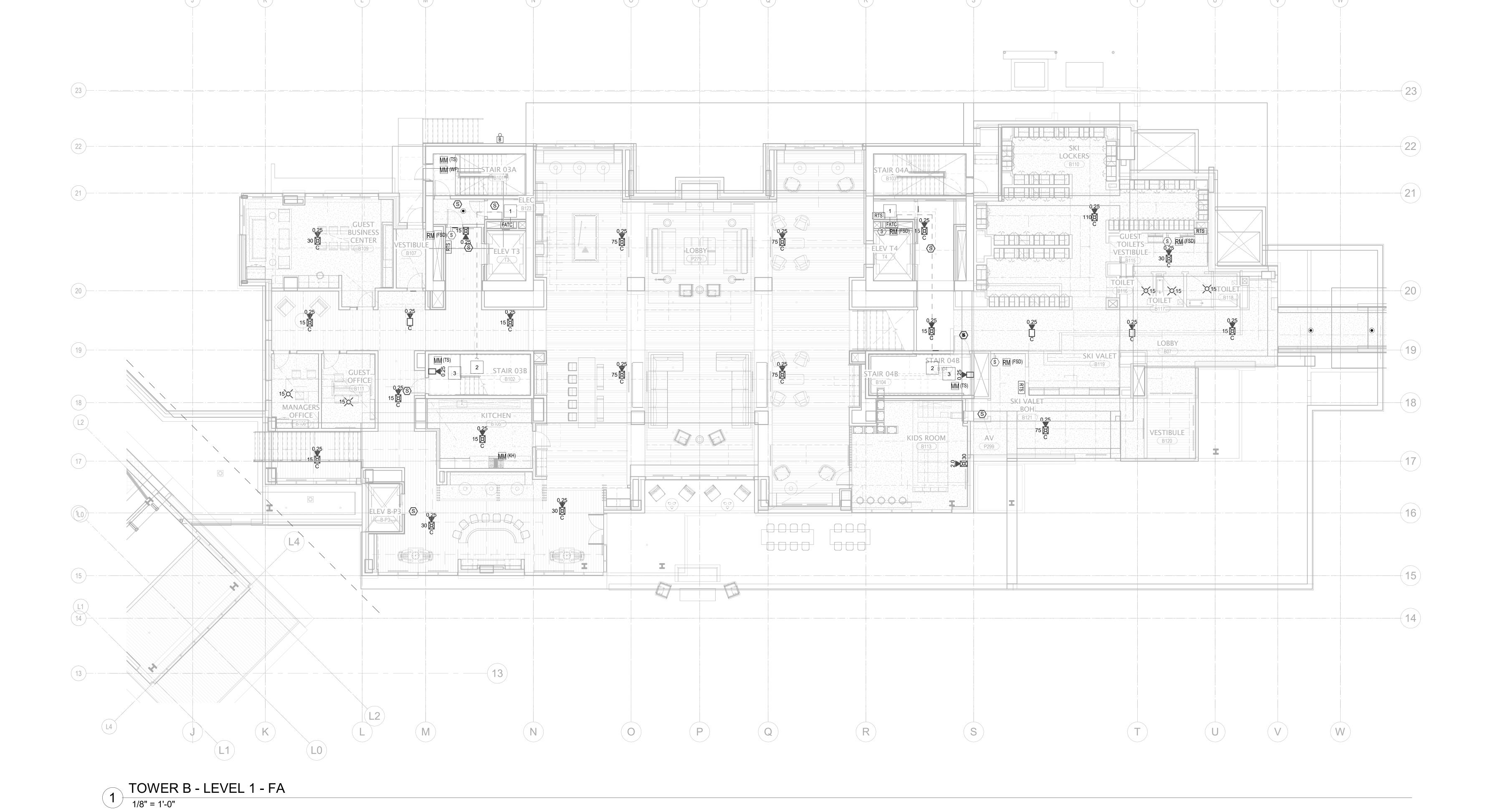
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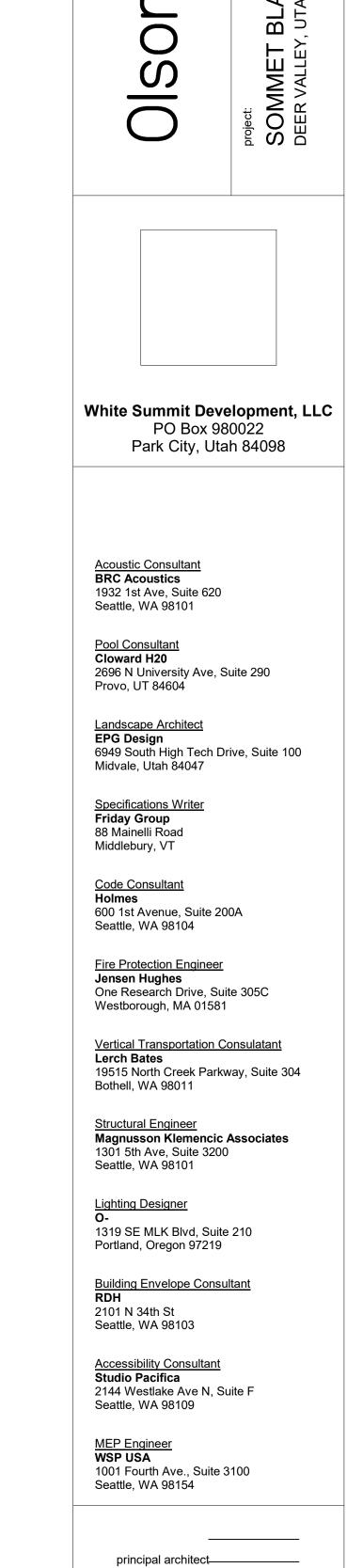
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FA2.2B.11

FIRE ALARM PLAN -TOWER B - LVL 1

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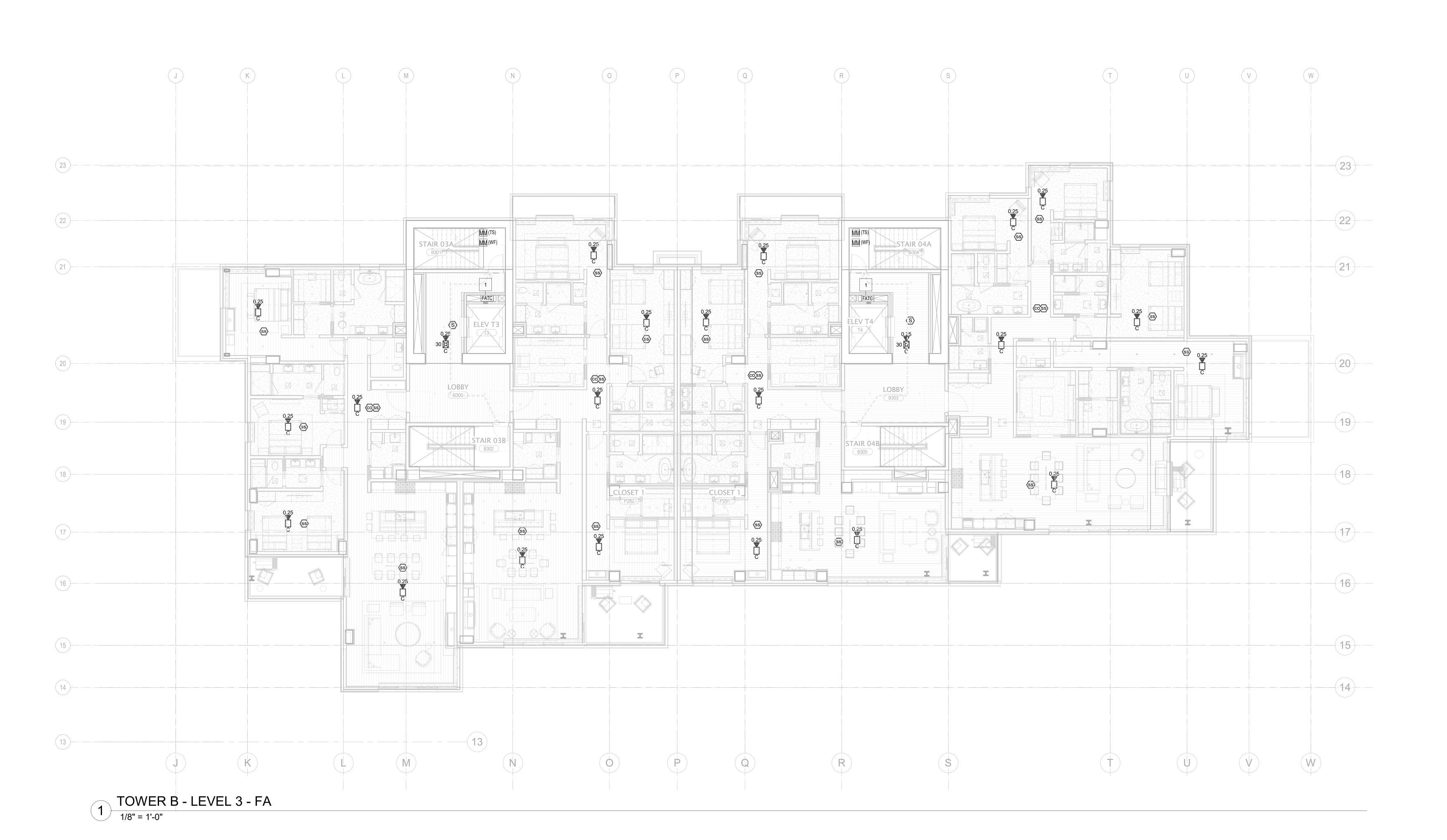
project manager__JCC____ drawn by__CRB, SMK____ ____ checked by Checker job no. 20052 date 11/18/2022

> ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN -TOWER B - LVL 2 FA2.2B.12

22 STAIR 04A TOILET 2 BED 4 BATH 4 ELEV T3 LAUNDRY LIVING ROOM LOBBY LOBBY ENTRY B200 B203 ______ POWDER 1 CLOSET 1 0.25 C SS coss SS (SS) (15) 13 Q V

1 TOWER B - LEVEL 2 - FA
1/8" = 1'-0"



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> principal architect______ project manager__JCC_____

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date 11/18/2022

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FA2.2B.13

FIRE ALARM PLAN -TOWER B - LVL 3

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project manager__JCC____

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checked by__Checker____
job no. 20052

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date 11/18/2022
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ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN - TOWER B - LVL 4

FA2.2B.14



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project manager__JCC
drawn by__CRB, SMK

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job no. 20052
date 11/18/2022

revisions:

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FIRE ALARM PLAN - TOWER B - LVL 5

FA2.2B.15



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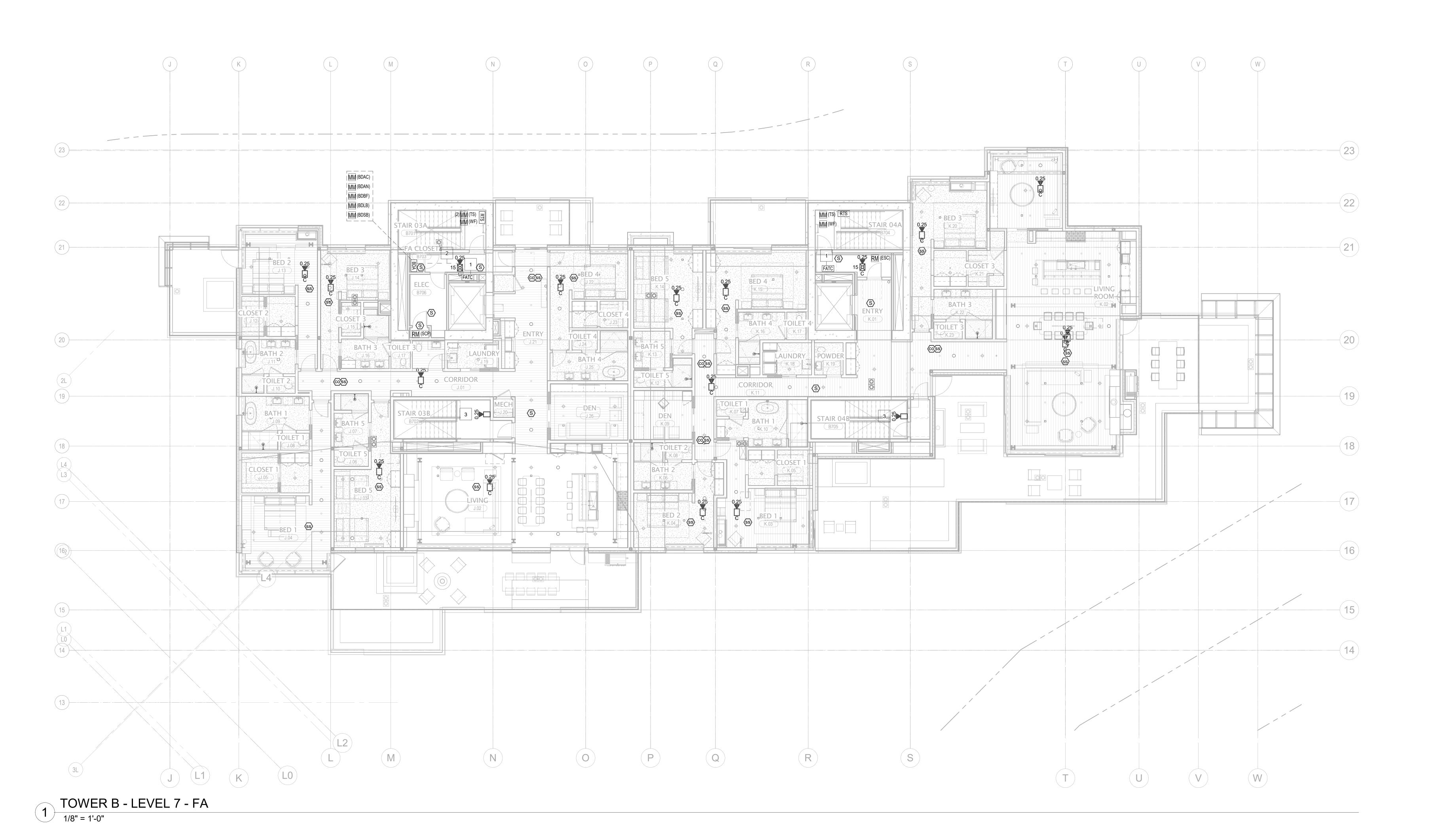
principal architect
project manager__JCC
drawn by__CRB, SMK_____
checked by__Checker____
job no. 20052

job no. 20052
date 11/18/2022
revisions:

ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN - TOWER B - LVL 6

FA2.2B.16



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revisions:

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ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN - TOWER B - LVL 7

FA2.2B.17



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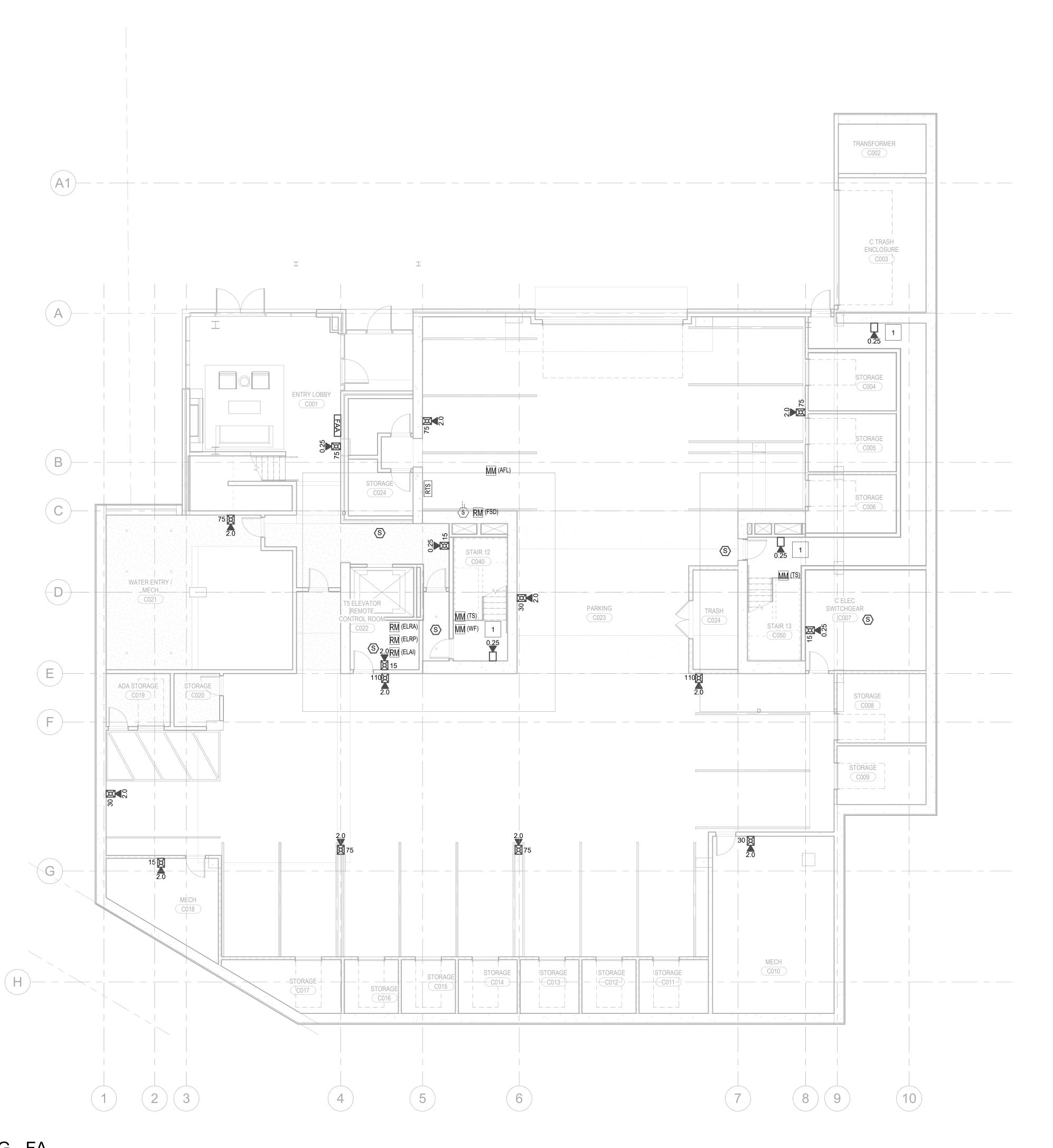
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FIRE ALARM PLAN - TOWER B - ROOF

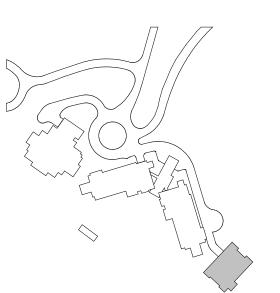
FA2.2B.R

______ 22 (SPF-B-R-1) ACE 1 13 Q

1 TOWER B - ROOF - FA
1/8" = 1'-0"



1 PARKING - FA 1/8" = 1'-0"



159 South Jackson St, Su Seattle, Washington 9810 +1 206 624 5670 olsonkung

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Project:
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principal architect__TK_____

project manager__JCC____

drawn by__CRB, SMK_____

checked by__Checker____
job no. 20052

date 11/18/2022

no. date

ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN -TOWER C - PARKING LEVEL

FA2.2C.01

CORRIDOR C104 SKIER LOUNGE (STPF) BOH STORAGE C108B CLUB STORAGE C108A CLUB STORAGE
C107A GOLF SIMULATOR GOLF SIMULATOR 10

Kundig White Summit Development, LLC PO Box 980022 Park City, Utah 84098 Acoustic Consultant
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Seattle, WA 98109

no. date

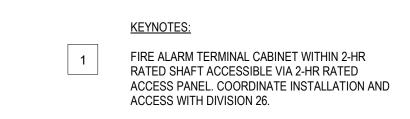
FIRE ALARM PLAN -TOWER C - LEVEL 1

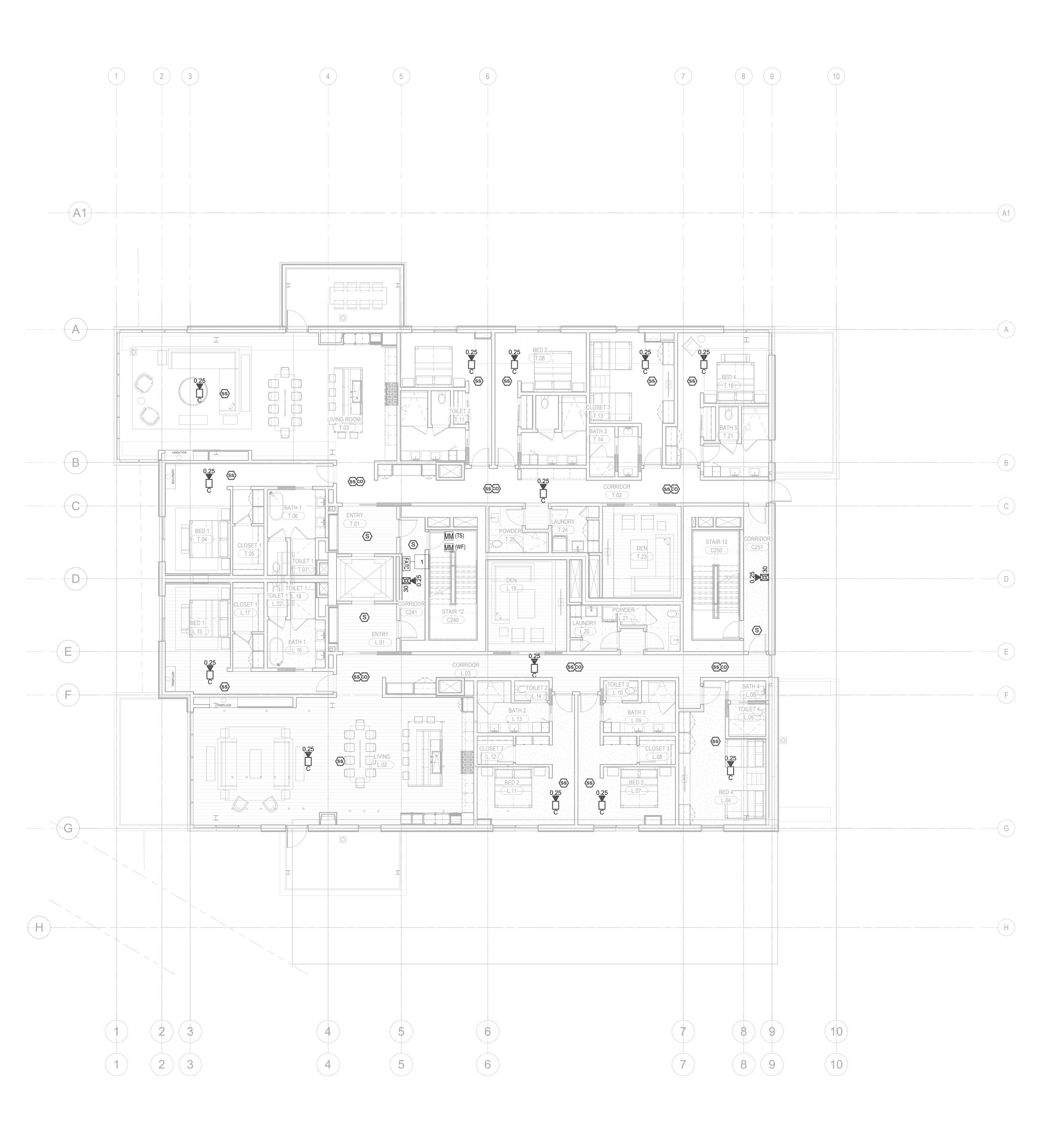
FA2.2C.11

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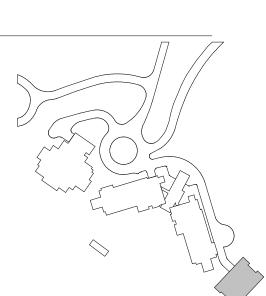
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1 LEVEL 1 - FA 1/8" = 1'-0"





1 LEVEL 2 - FA 1/8" = 1'-0"



OISON KUNDIG Sea 1720 Project:

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ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN -TOWER C - LEVEL 2

FA2.2C.12

CORRIDOR_ (ss co) (ss co) 10

1 LEVEL 3 - FA 1/8" = 1'-0" Olson Kundig

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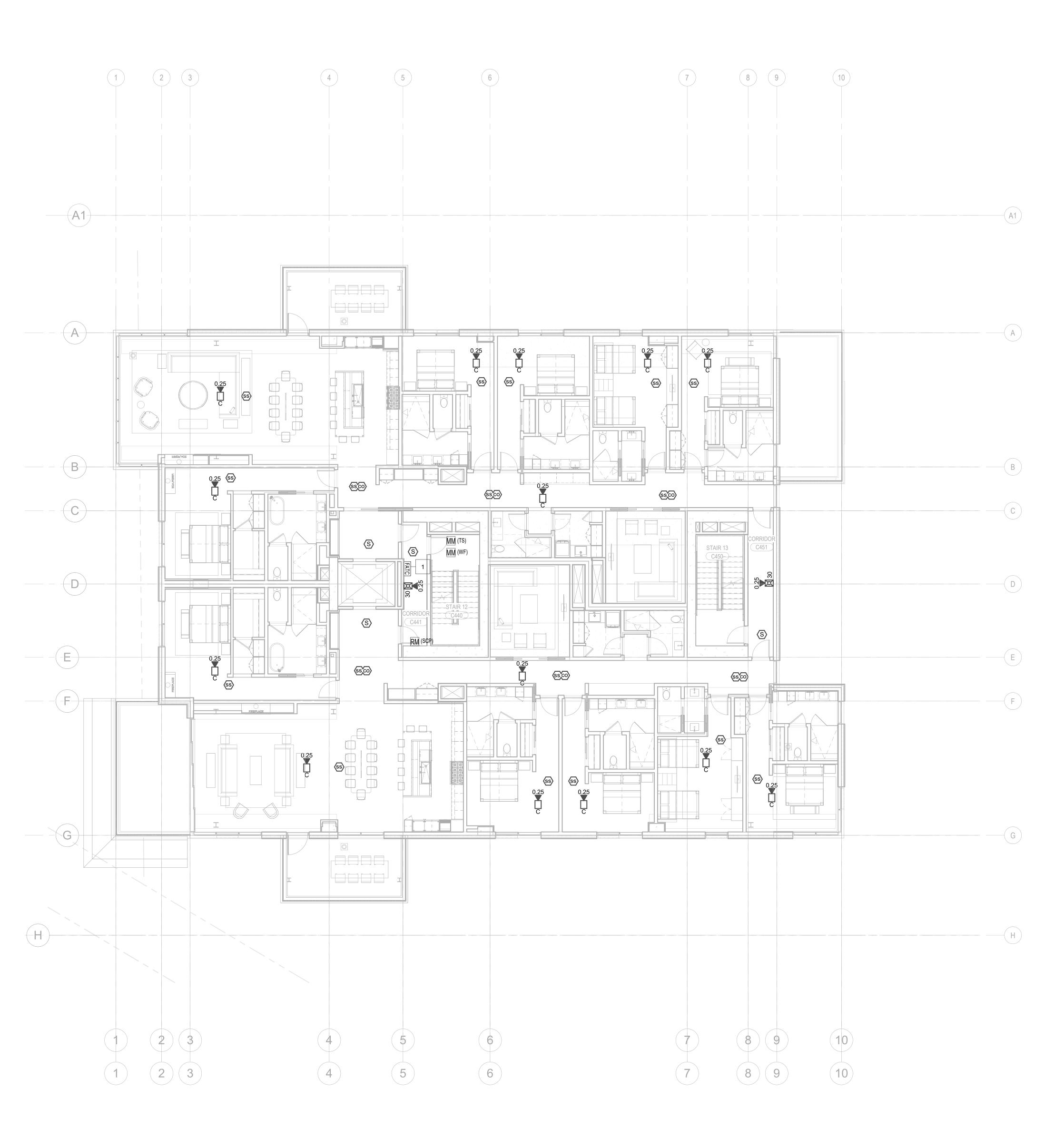
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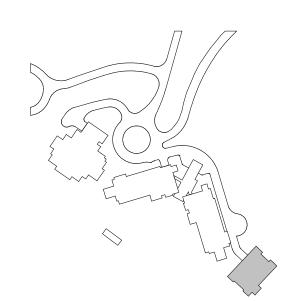
FIRE ALARM PLAN -TOWER C - LEVEL 3

FA2.2C.13





1 LEVEL 4 - FA
1/8" = 1'-0"



Olson Kundig

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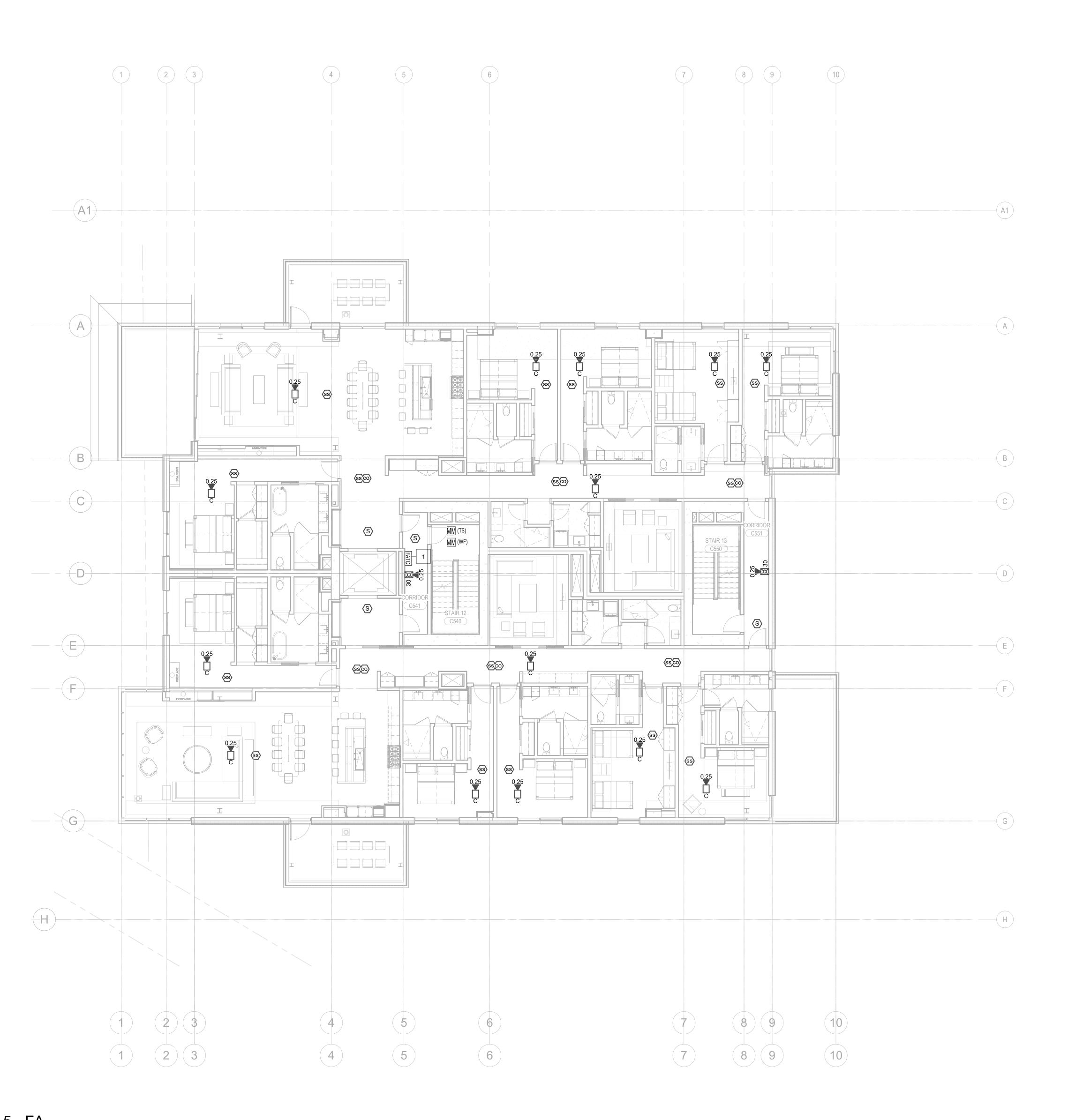
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FIRE ALARM PLAN - TOWER C - LEVEL 4

FA2.2C.14





1 LEVEL 5 - FA 1/8" = 1'-0" project:

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project manager__JCC_____

drawn by__CRB, SMK_____

checked by__Checker_____

checked by <u>Checker</u> job no. 20052 date 11/18/2022

date 11/18/2022 isions:

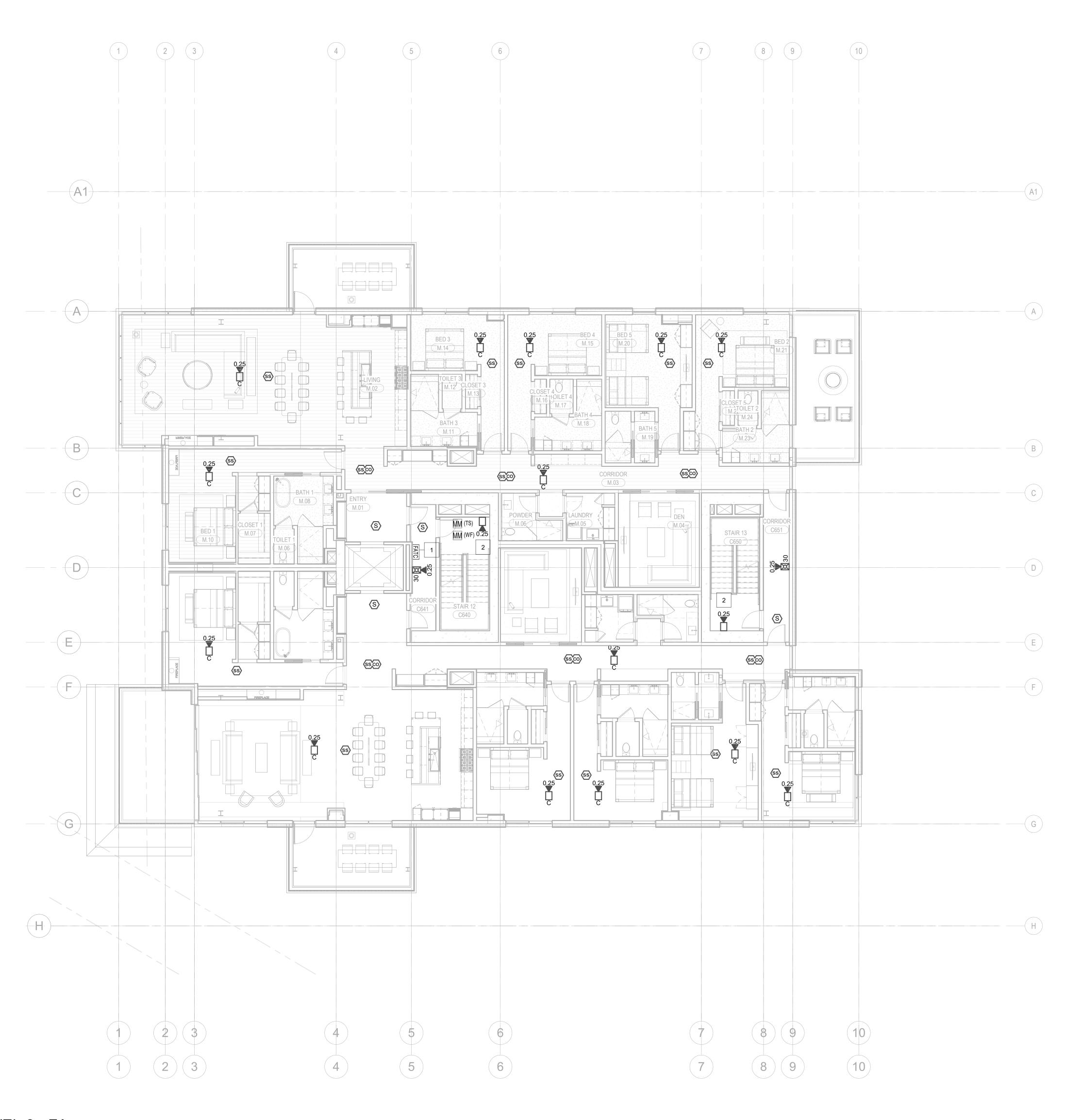
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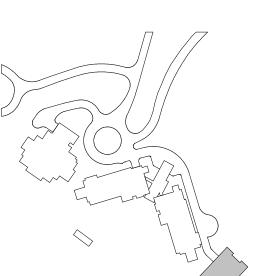
FIRE ALARM PLAN -TOWER C - LEVEL 5

FA2.2C.15





1 LEVEL 6 - FA 1/8" = 1'-0"



JSon Kundig seattle seattle ct:

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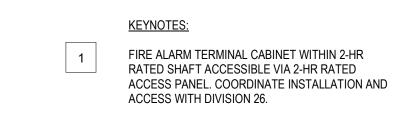
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FIRE ALARM PLAN - TOWER C - LEVEL 6

FA2.2C.16



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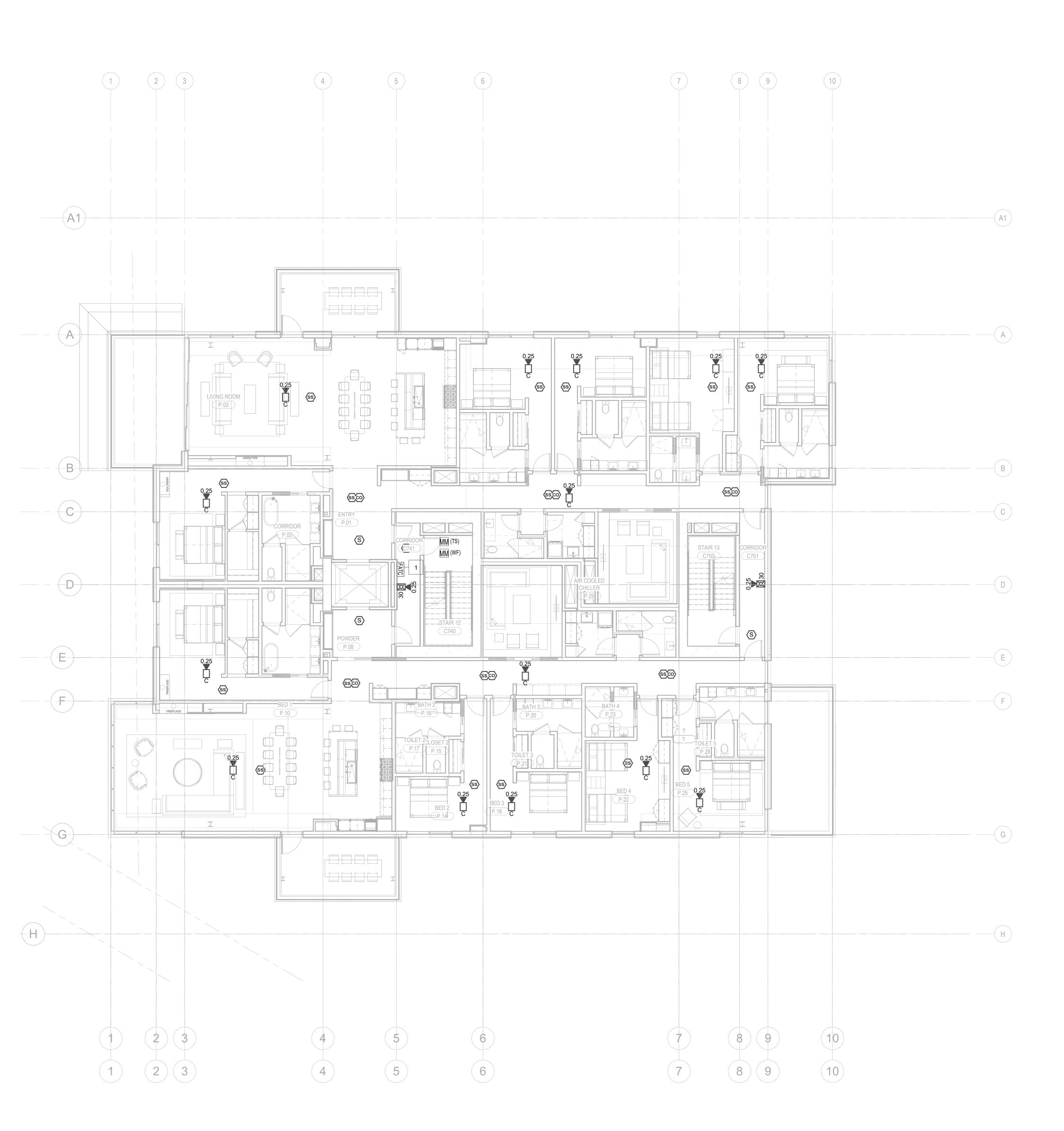
drawn by__CRB, SMK____

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date 11/18/2022

Lighting Designer

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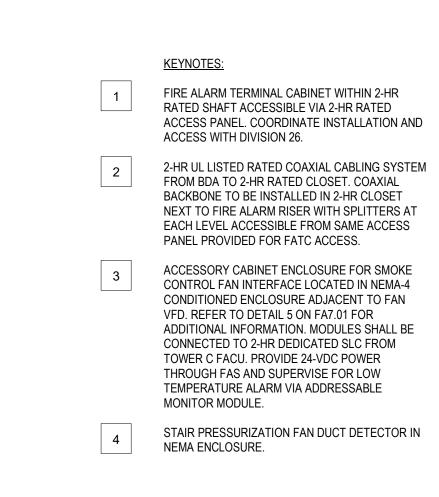
1 LEVEL 7 - FA 1/8" = 1'-0"

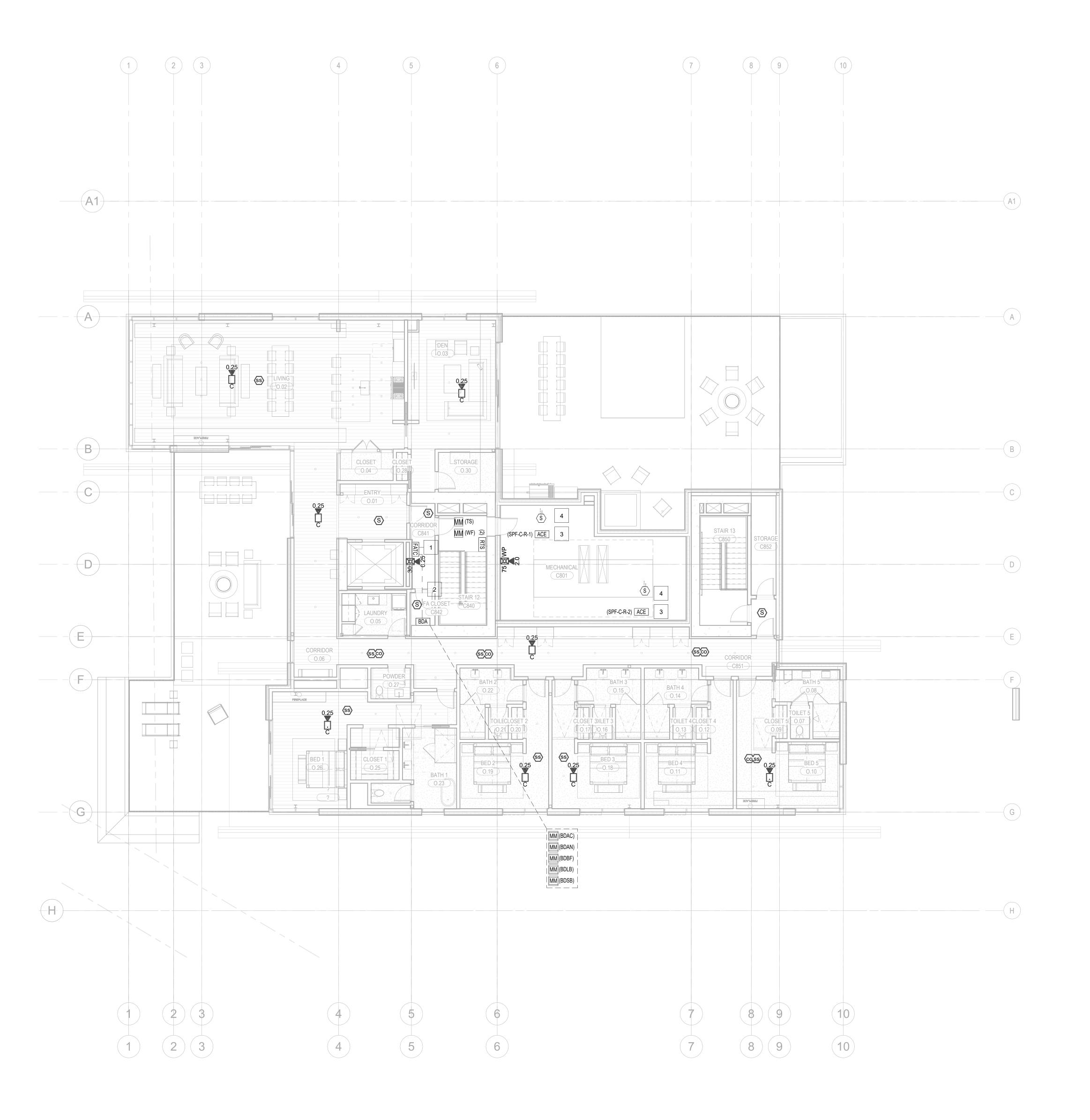
FIRE ALARM PLAN -TOWER C - LEVEL 7 FA2.2C.17

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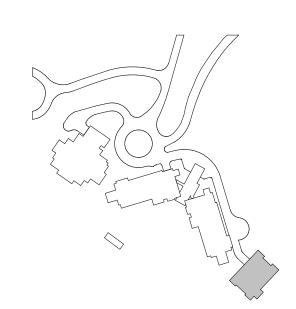
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1 LEVEL 8 - FA 1/8" = 1'-0"



n Kundig

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Project:

SOMMET BLANC - C

DEER VALLEY, UTAH

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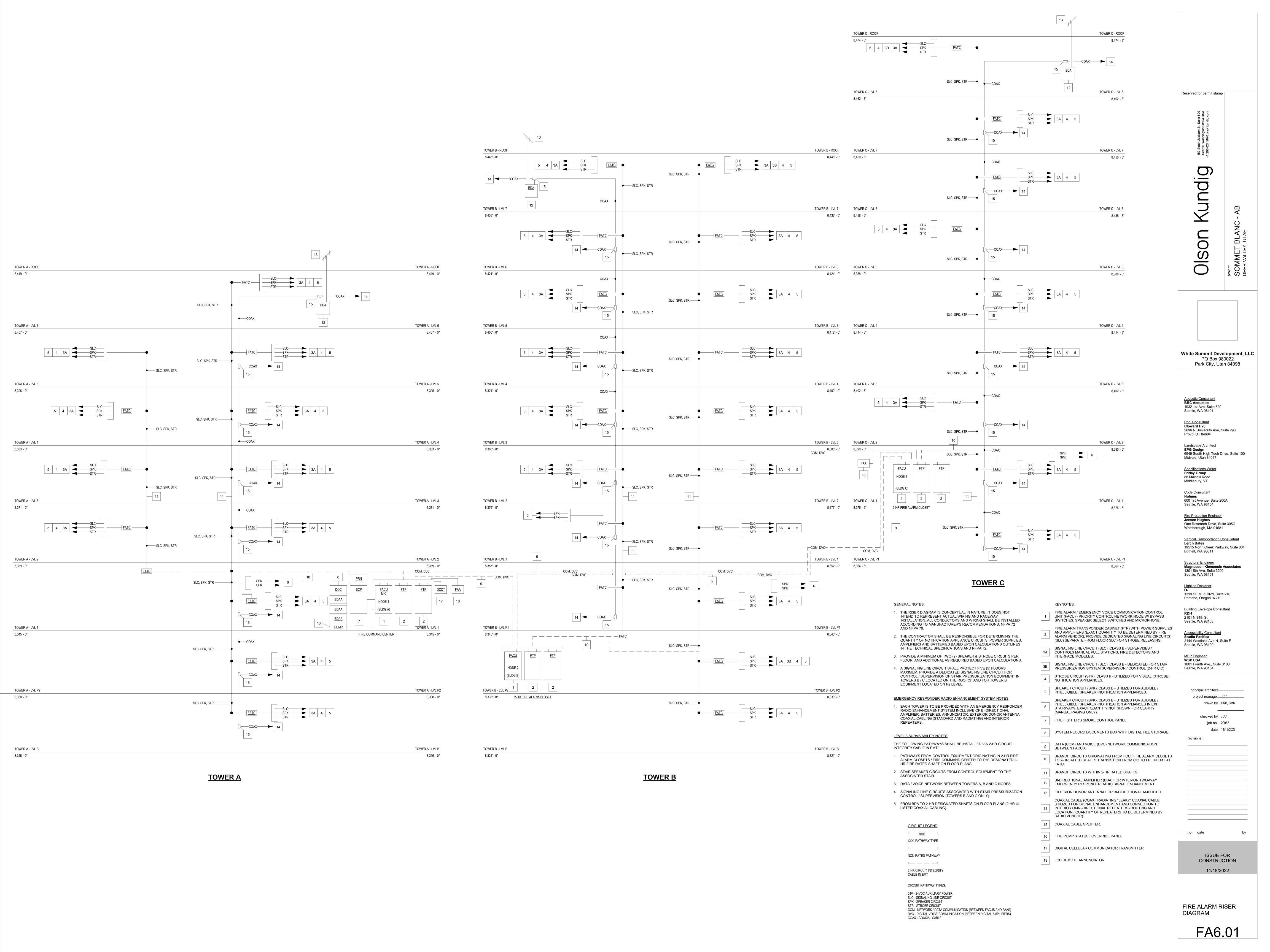
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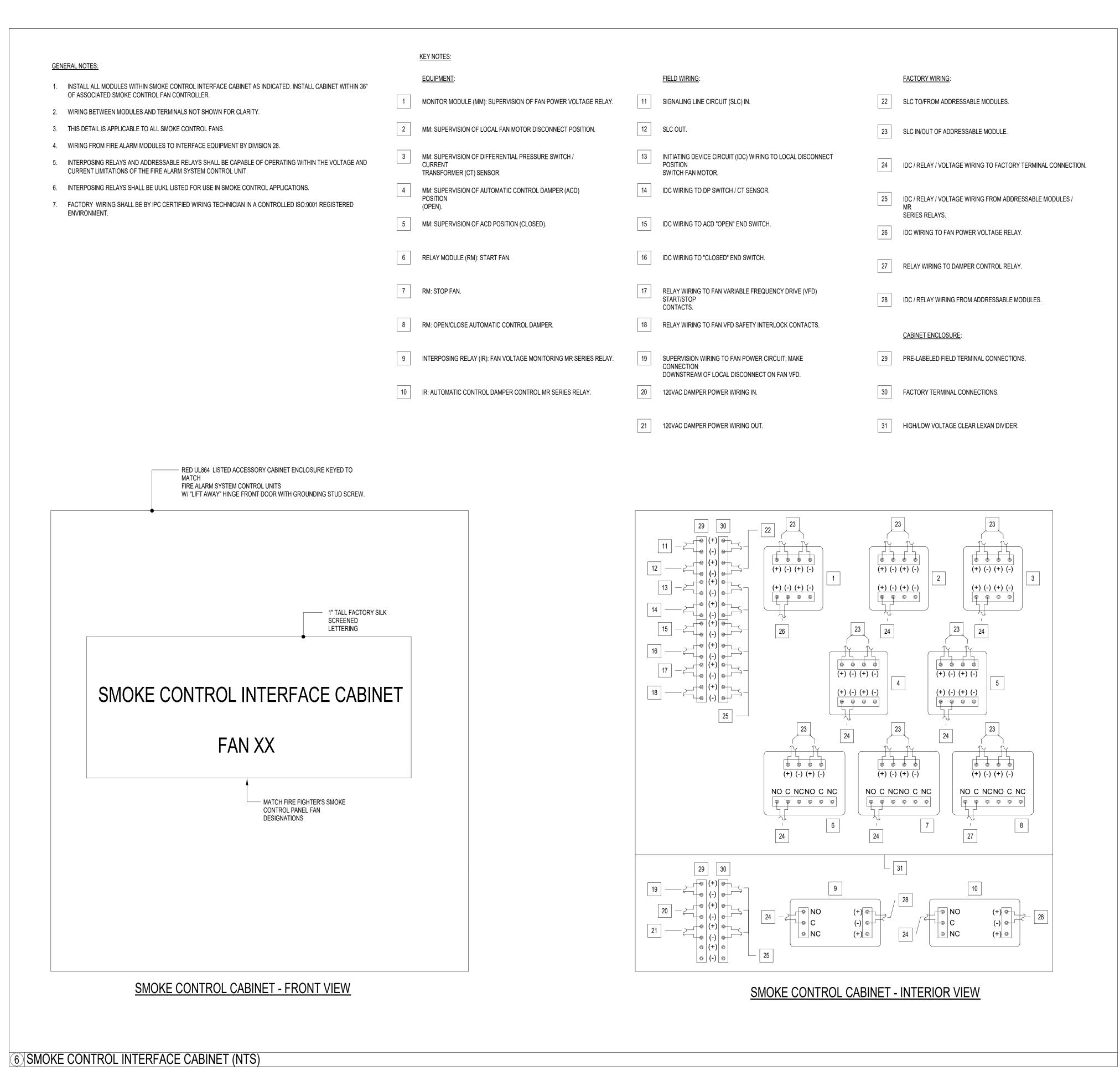
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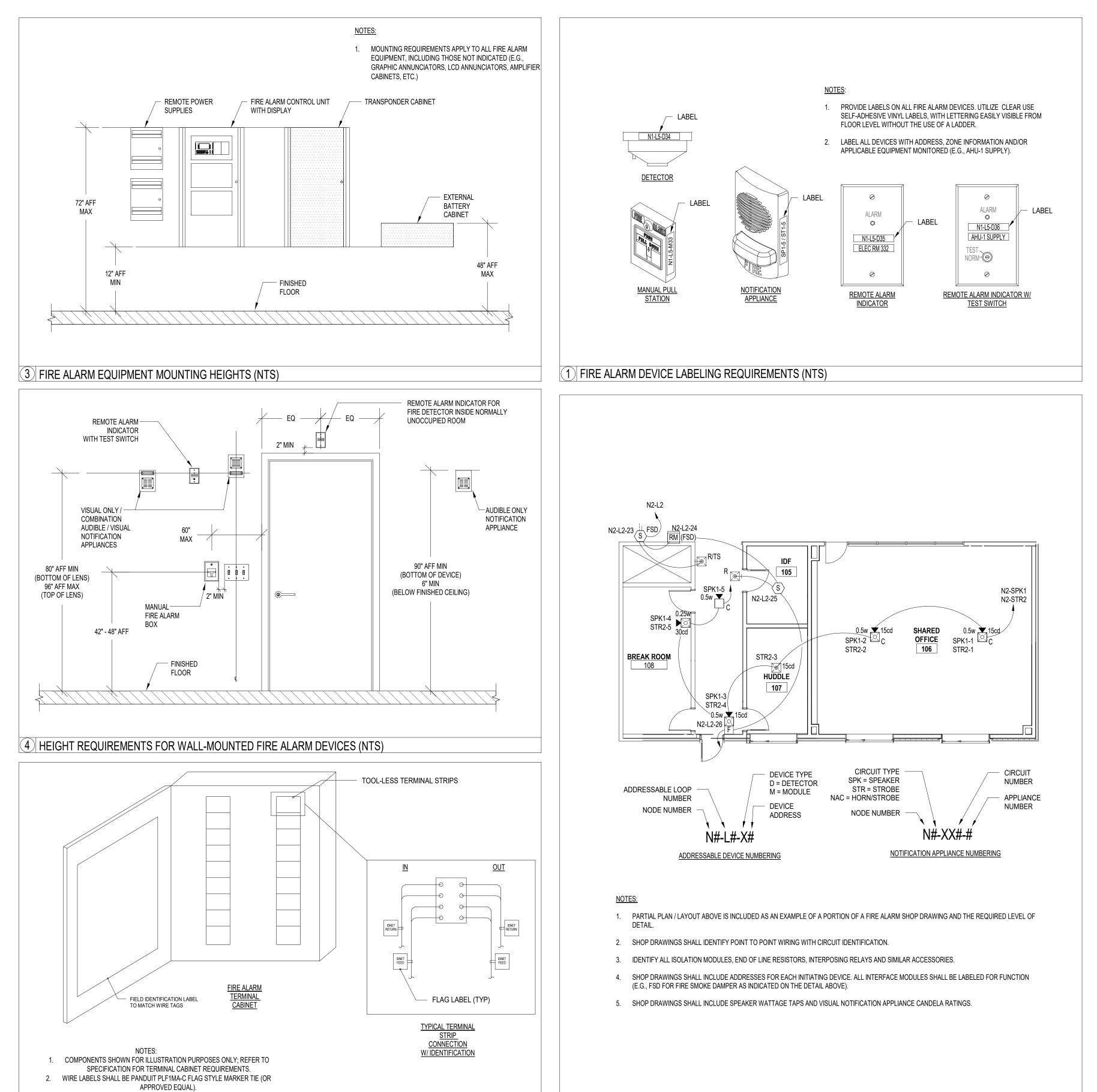
ISSUE FOR CONSTRUCTION 11/18/2022

FIRE ALARM PLAN - TOWER C - LEVEL 8

FA2.2C.18







5 FATC WIRE TAGGING DETAIL (NTS)

2 FIRE ALARM SHOP DRAWING CONTENT REQUIREMENTS (NTS)

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FIRE ALARM DETAILS

FA7.01

			SYSTEM OUTPUTS																								
					NOTIFICATION								REQUIRED FIRE SAFETY CONTROL														
				FACU & FAA			EMERGENCY COMMUNICATIONS					REMOTE SIGNAL TRANSMISSION								SECURITY/ LIFE SAFETY							
	F	OMMET BLANC IRE ALARM INPUT/OUTPUT IATRIX	ACTIVATE COMMON ALARM SIGNAL INDICATOR & AUDIBLE ALARM SIGNAL	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR & AUDIBLE SUPERVISORY SIGNAL	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR & AUDIBLE TROUBLE SIGNAL	□ DISPLAY LCD CHANGE OF STATUS & PRINT EVENT	INITIATE OCCUPANT PARTIAL EVACUATION SEQUENCE THROUGHOUT BUILDING AREA IN ALARM (TOWERS AB OR TOWER C)	INITIATE OCCUPANT TOTAL EVACUATION THROUGHOUT TOWER(S) OF ASSOCIATED PULL STATION	o ACTIVATE EXTERIOR WATERFLOW BELLS	ת NOT USED	ACTIVATE ASSOCIATED REMOTE ALARM INDICATOR	ACTIVATE ASSOCIATED PAGING ZONE(S) AND BROADCAST MESSAGE	OVERRIDE FIRE ALARM VOICE EVACUATION MESSAGE	SWITCH TO REDUNDANT/BACK UP AMPLIFIER/TONE GENERATOR	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION VIA CELLULAR COMMUNICATOR	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION VIA CELLULAR COMMUNICATOR	TRANSMIT TROUBLE SIGNAL TO SUPERVISING STATION VIA CELLULAR COMMUNICATOR	RECALL ASSOCIATED ELEVATOR(S) TO PRIMARY RECALL FLOOR (SEE ELEVATOR RECALL NOTES)	RECALL ASSOCIATED ELEVATOR(S) TO ALTERNATE RECALL FLOOR (ELEVATOR RECALL NOTES)	□ ILLUMINATE ELEVATOR VISUAL WARNING SIGNAL	INTERMITTENTLY FLASH ELEVATOR VISU	ELEVATOR SMOKE CURTAIN	= NOT USED	CLOSE ASSOCIATED FIRE / SMOKE DAMPER	SHUTDOWN ASSOCIATED HVAC EQUIPMENT	→ INITIATE STAIR PRESSURIZATION SEQUENCE OF OPERATION	
	1	MAIN BUILDING WATERFLOW	•			•		ı	•	- ''	'	J	IX		•	IN		'	_	IX		, ,	0	V	VV		
	2	2 SPRINKLER ZONE WATERFLOW	•			•			•						•											•	\dagger
DEVICES	3	MANUAL PULL STATION (FCC)	•			•	•	•							•											•	<u> </u>
4G DEV	4	4 AREA SMOKE DETECTOR	•			•	•								•											•	\dagger
INITIATING	5	KITCHEN HOOD / POLLUTION CONTROL UNIT SUPPRESSION SYSTEM ALARM	•			•	•								•											•	
ARM	6	ELEVATOR MACHINE / CONTROL ROOM SMOKE DETECTOR	•			•	•								•			•								•	
AL AL	7	ELEVATOR LOBBY SMOKE DETECTOR (PRIMARY RECALL FLOOR - SEE ELEVATOR RECALL NOTES)	•			•	•								•				•	•	,	•				•	T
	8	ELEVATOR LOBBY SMOKE DETECTOR (ALL OTHER FLOORS - SEE ELEVATOR RECALL NOTES) NOT USED	•			•	•								•			•		•)	•				•	
	10	FIRE PUMP SUPERVISORY (PUMP RUN, PHASE LOSS/REVERSAL, PUMP CONNECTED TO STANDBY POWER)		•		•										•											
	1	1 FIRE WATER TANK LOW / HIGH LEVEL ALARM		•		•										•											
≥	12	2 FIRE PROTECTION VALVE TAMPER SWITCH		•		•										•											+
SUPERVISORY INITIATING	13	3 DUCT MOUNTED SMOKE DETECTOR - FIRE/SMOKE DAMPER		•		•					•					•								•			+
SUPE	14	4 DUCT MOUNTED SMOKE DETECTOR - AIR HANDLING EQUIPMENT		•		•					•					•									•		+
	15	5 POLLUTION CONTROL UNIT SUPPRESSION SYSTEM TROUBLE		•		•										•											+
	16	6 AIR HANDLING UNIT RUN / OFF																						•			
	17	7 FIRE ALARM SYSTEM LOW BATTERY			•	•											•										+
	18	8 FIRE ALARM OPEN CIRCUIT			•	•											•										+
	19	9 FIRE ALARM GROUND FAULT			•	•											•										\dagger
SNO	20	0 FIRE ALARM SYSTEM BATTERY CHARGER FAILURE			•	•											•										1
CONDITIONS	2	1 FIRE ALARM SYSTEM DEVICE COMMUNICATION FAILURE			•	•											•										+
ш	22	2 FIRE ALARM SYSTEM INITIATING DEVICE FAILURE			•	•											•										\uparrow
TROUBL	23	3 FIRE ALARM SYSTEM AMPLIFIER FAILURE			•	•								•			•										
	24	4 FIRE ALARM SYSTEM DIGITAL VOICE GENERATOR FAILURE			•	•								•			•										
	2	5 FIRE ALARM AC POWER FAILURE			•	•											•										
		6 FIRE ALARM CONTROL UNIT PROCESSOR FAILURE			•	•											•										
ICY	2	7 MANUAL PAGE - PER PAGING ZONE				•						•	•														
EMERGENCY VOICE COMMUNICATION	28	8 MANUAL PAGE - ALL CALL				•						•	•														
EME	29	9 BUILDING PRE-RECORDED MESSAGE TO ALL EVACUATION ZONES				•						•															

1	PARTIAL EVACUATION OCCUPANT SIGNALING SEQUENCE OF OPERATION:
	ACTUATE PRE-ALERT TONE AND GENERAL VOICE INSTRUCTIONS THROUGHOUT BUILDING AREA IN ALARM (TOWERS AB OR TOWER C); REPEAT ALERT TONE AND
	GENERAL EVACUATION MESSAGE THREE TIMES.
В.	AFTER THREE ROUNDS OF PRE-ALERT TONE AND VOICE MESSAGE ACTUATE AUDIBLE (TEMPORAL 3) AND VISUAL EVACUATION SIGNALS ON FLOOR OF INCIDENT, FLOOR ABOVE, AND FLOOR BELOW. SIGNALS SHALL CONTINUE TO ACTUATE UNTIL SYSTEM IS RESET AT THE MAIN FIRE ALARM CONTROL UNIT IN FIRE COMMAND CENTER.
C.	IN THE EVENT A SUBSEQUENT ALARM IS RECEIVED BY A FLOOR THAT WAS PREVIOUSLY OUTSIDE THE ORIGINAL EVACUATION ZONE, THE EVACUATION ZONE, THE EVACUATION ZONE SHALL AUTOMATICALLY BE EXPANDED TO INCLUDE THE ORIGINAL EVACUATION ZONE, THE SUBSEQUENT ALARM FLOOR, AND FLOORS ABOVE AND BELOW THE NEW EVACUATION ZONE. ACTUATE THE SEQUENCE OF OPERATION INDICATED IN 1.A ABOVE.
2.	TOTAL BUILDING EVACUATION OCCUPANT SIGNALING SEQUENCE OF OPERATIONS:
A.	ACTUATE PRE-ALERT TONE AND GENERAL VOICE INSTRUCTIONS THROUGHT BUILDING ASSOCIATED MANUAL PULL STATION ACTIVATION (TOWERS AB OR TOWER C); REPEAT ALERT TONE AND GENERAL EVACUATION MESSAGE THREE TIMES.
В.	
C.	
3.	PRE-RECORDED MESSAGES; THE FOLLOWING VERBIAGE (OR SIMILAR) SHALL BE PROVIDED:
A.	GENERAL VOICE INSTRUCTIONS (PARTIAL EVACUATION): ATTENTION PLEASE, THE SIGNAL TONE YOU HAVE JUST HEARD INDICATES THE REPORT OF AN EMERGENCY IN THIS BUILDING. IF YOUR FLOOR EVACUATION SIGNALS SOUND AFTER THIS MESSAGE, WALK TO THE NEAREST STAIRWAY AND LEAVE THE FLOOR. WHILE THE REPORT IS BEING VERIFIED, OCCUPANTS ON OTHER FLOORS SHOULD WAIT FURTHER INSTRUCTIONS.
В.	GENERAL VOICE INSTRUCTION (TOTAL EVACUATION): ATTENTION PLEASE, THE SIGNAL TONE YOU HAVE JUST HEARD INDICATES THE REPORT OF AN EMERGENCY IN THIS
C.	BUILDING WALK TO THE NEAREST STAIRWAY AND LEAVE THE FLOOR AND EXIT THE BUILDING. EVACUATION ALL CLEAR: ATTENTION PLEASE, THE BUILDING EMERGENCY CONDITION HAS BEEN CLEARED. YOU MAY RETURN TO YOUR NORMAL ACTIVITIES.
D.	TEST: ATTENTION PLEASE, THE FIRE ALARM SYSTEM WILL BE INSPECTED AND TESTED TODAY BY THE FIRE ALARM VENDOR. PLEASE DISREGARD ALL AUDIBLE AND VISUAL SIGNALS YOU MAY HEAR OR SEE UNTIL FURTHER NOTICE.
E.	
4.	.WAV FILES UTILIZED FOR PRE-ALERT AND TEMPORAL 3 SIGNALS SHALL BE A SQUARE WAVE OR PROVIDE EQUIVALENT AWAKENING ABILITY WITH A FUNDAMENTAL FREQUENCY OF 520HX +/- 10 PERCENT IN ACCORDANCE WITH NFPA 72 SECTION 18.4.5.3.
5.	LEVEL P1 AND LEVEL:11 OF TOWER C TO BE TREATED AS A SINGLE EVACUATION SIGNALING ZONE.
6.	LEVEL P1 AND LEVEL 1 OF TOWER B TO BE TREATED AS A SINGLE EVACUATION SIGNALING ZONE.
ELE	VATOR RECALL NOTES
1.	THE FOLLOWING ESTABLISHES THE PRIMARY / ALTERNATE RECALL FLOORS PER "BUILDING"
	BUILDING A - PRIMARY: LEVEL 1; ALTERNATE: LEVEL P2
В. С.	BUILDING B - PRIMARY: LEVEL 1; ALTERNATE: LEVEL P1 BUILDING C - PRIMARY: LEVEL P1; ALTERNATE: LEVEL 1

1. ALL BUILDING AHUS SHALL BE SUPERVISED FOR AIRFLOW STATUS; IF BUILDING AHU ARE SHUTDOWN FROM FIRE ALARM SYSTEM OR AREA OFF UPON A SIGNAL FROM BAS, THE

2. IN THE EVENT OF AN ALARM IN TOWERS AB OR TOWER C, ALL AHUS IN THE ASSOCAITED AREA SHALL SHUTDOWN.

ASSOCIATED FIRE/SMOKE DAMPERS SHALL BE CLOSED. UPON RECEIPT OF FAN AIRFLOW ACTIVATION OR FIRE ALARM RESET THE DAMPERS SHALL BE COMMANDED OPEN.

					SYSTEM OUTPUTS															
							IOTE SIGNAL ANSMISSION		STAIR PRESSURIZATION SYSTEM				SMOKE CONTROL PANEL ANNUNCIATION							
	SOMMET BLANC STAIR PRESSURIZATION INPUT/OUTPUT MATRIX				DISPLAY LCD CHANGE OF STATUS & PRINT EVENT	TRANSMIT ALARM SIGNAL TO SUPERVISING STATION VIA CELLULAR COMMUNICATOR	TRANSMIT SUPERVISORY SIGNAL TO SUPERVISING STATION VIA CELLULAR COMMUNICATOR NOT USED		AUTOMATICALLY DEACTIVATE ASSOCIATED STAIR PRESSURIZATION / CI OSF DAMPER)	MANUALLY INITIATE ASSOCIATED STAIR PRESSURIZATION SYSTEM SEQUENCE OF OPERATION	MANUALLY DEACTIVATE ASSOCIATED STAIR PRESSURIZATION SYSTEM (STOP FAN /CLOSE DAMPER)	ILLUMINATE ASSOCIATED WHITE LED-TYPE INDICATOR LIGHT	ILLUMINATE ASSOCIATED RED LED-TYPE INDICATOR LIGHT	ILLUMINATE ASSOCIATED GREEN LED-TYPE INDICATOR LIGHT	LILUMINATE ASSOCIATED YELLOW LED-TYPE INDICATOR LIGHT AND GENERAL PANEL YELLOW/AMBER LED-TYPE INDICATOR LIGHT	ILLUMINATE ASSOCIATED BLUE LED-TYPE INDICATOR LIGHT	ULLUMINATE ALL LEDS ON SMOKE CONTROL PANEL	ACTIVATE SMOKE CONTROL PANEL TROUBLE HORN	⇒ SILENCE TROUBLE HORN	
	FIRE ALARM DEVICES	1 ACTIVATION SIGNAL FROM FACU	A	В	C	D	E F	G	Н	I	J	K	L	M	N	0	P	Q	K	
	A BO		•		•	•										•				
		3 KEY SWITCH OVERRIDE ENGAGED			•															
	, KEY	4 SCP HOA CONTROL SET TO AUTO																		
	SWITCH / KEY INTERFACE	5 SCP HOA CONTROL SET TO ON			•					•										
	SS ≤	6 SCP HOA CONTROL SET TO OFF			•															
TO		7 LAMP TEST BUTTON PUSHED			•												•			
SYSTEM INPUTS		8 HORN SILENCE BUTTON PUSHED STAIR PRESSURIZATION FAN OUTSIDE AIR DAMPER "OPEN" STATUS NOT			•															
\mathbf{M}		9 ACHIEVED WITHIN 75 SECONDS OF INITIATION SIGNAL 10 SMOKE PRESSURIZATION FAN "ON" STATUS NOT ACHIEVED WITHIN 60																		
/STI		SECONDS OF INITIATION SIGNAL			•														-	
S	ROL	11 FAN FLOW PROVING CURRENT SENSOR ACTIVATED																		
	SMOKE CONTROL EQUIPMENT STATUS	12 FAN FLOW PROVING CURRENT SENSOR DEACTIVATED			_															
	SMOKE EQU ST,	13 STAIR PRESSURIZATION FAN OUTSIDE AIR DAMPER FAIR CHITCH IN OPEN POSITION			•														-	
		14 STAIR PRESSURIZATION FAN OUTSIDE AIR DAMPER END SWITCH IN OPEN POSITION																		
		15 STAIR PRESSURIZATION FAN OUTSIDE AIR DAMPER END SWITCH IN CLOSED POSITION																	-	
		16 NOT USED	Δ	В	С	D	F F	G	H			K	1	<u> </u>	N	0	P	0	R	

STAIRWELL PRESSURIZATION SEQUENCE OF OPERATION

BUILDING AHU NOTES

FOR EACH ALARM CONDITION NOTED IN THE FIRE ALARM INPUT/OUTPUT MATRIX AS HAVING A STAIRWELL PRESSURIZATION INITIATION FUNCTION, THE FIRE ALARM SYSTEM SHALL INITIATE THE FOLLOWING SEQUENCE OF OPERATION WITHIN 10 SECONDS OF ALARM INITIATION:

1. OUTSIDE AIR DAMPERS AT FANS OPEN OF BUILDING AREA IN ALARM (TOWERS AB OR TOWER C). A. NORMAL OPERATION: "OPEN" END SWITCH IS MADE WITHIN 75 SECONDS OF OPEN SIGNAL TRANSMISSION FROM THE FIRE ALARM SYSTEM; GREEN "ON" INDICATOR LIGHT ASSOCIATED WITH THE DAMPER SHALL BE ILLUMINATED ON THE FIRE FIGHTER'S SMOKE CONTROL PANEL. B. FAULT: IF DAMPER "OPEN" END SWITCH DOES NOT MAKE WITHIN 75 SECONDS OF SIGNAL TRANSMISSION FROM THE FIRE ALARM SYSTEM THE YELLOW INDICATOR LIGHT ASSOCIATED WITH THE FAN SHALL BE ILLUMINATED ON THE FIRE FIGHTER'S SMOKE CONTROL PANEL, THE FIRE ALARM SYSTEM LCD SHALL DISPLAY THE CHANGE IN STATUS, THE LOCAL AUDIBLE/VISUAL INDICATORS ON THE FIRE ALARM CONTROL UNIT SHALL ACTUATE AND A SUPERVISORY SIGNAL SHALL BE TRANSMITTED TO THE SUPERVISING STATION. 2. ONCE OUTSIDE AIR DAMPERS AT FANS MAKE THE ASSOCIATED FAN STARTS:

A. NORMAL OPERATION: FAN FLOWING PROVING DEVICE IS ACTUATED WITHIN 60 SECONDS OF OPEN SIGNAL TRANSMISSION FROM THE FIRE ALARM SYSTEM; GREEN "ON" INDICATOR LIGHT ASSOCIATED WITH THE FAN SHALL BE ILLUMINATED ON THE FIRE FIGHTER'S SMOKE CONTROL PANEL. B. FAULT: IF FAN FLOWING PROVIDING DEVICE DOES NOT ACTUATE WITHIN 60 SECONDS OF SIGNAL TRANSMISSION FROM THE FIRE ALARM SYSTEM THE YELLOW INDICATOR LIGHT ASSOCIATED WITH THE FAN SHALL BE ILLUMINATED ON THE FIRE FIGHTER'S SMOKE CONTROL PANEL, THE FIRE ALARM SYSTEM LCD SHALL DISPLAY THE CHANGE IN STATUS, THE LOCAL AUDIBLE/VISUAL INDICATORS ON THE FIRE ALARM CONTROL UNIT SHALL ACTUATE AND A SUPERVISORY SIGNAL SHALL BE TRANSMITTED TO THE SUPERVISING STATION.

3. THE FANS AND DAMPERS SHALL STAY ON AND OPEN UNTIL MANUALLY RESET AT THE FIRE FIGHTER'S SMOKE CONTROL PANEL. SMOKE CONTROL AUTOMATIC WEEKLY SELF-TEST

1. WEEKLY SELF-TEST TO BE BYPASSED IN ACCORDANCE WITH EXCEPTION TO 2018 UTAH BUILDING CODE SECTION 909.12.1. PRESENCE OF POWER DOWNSTREAM OF ALL DISCONNECTS IS CONSTANTLY MONITORED BY THE FIRE ALARM SYSTEM AND TESTING OF ALL COMPONENTS BYPASSED FROM THE PRE-PROGRAMMED WEEKLY SELF-TEST WILL BE TESTED BY OWNER IN ACCORDANCE WITH SECTION 909.20.6 OF THE INTERNATIONAL FIRE CODE.

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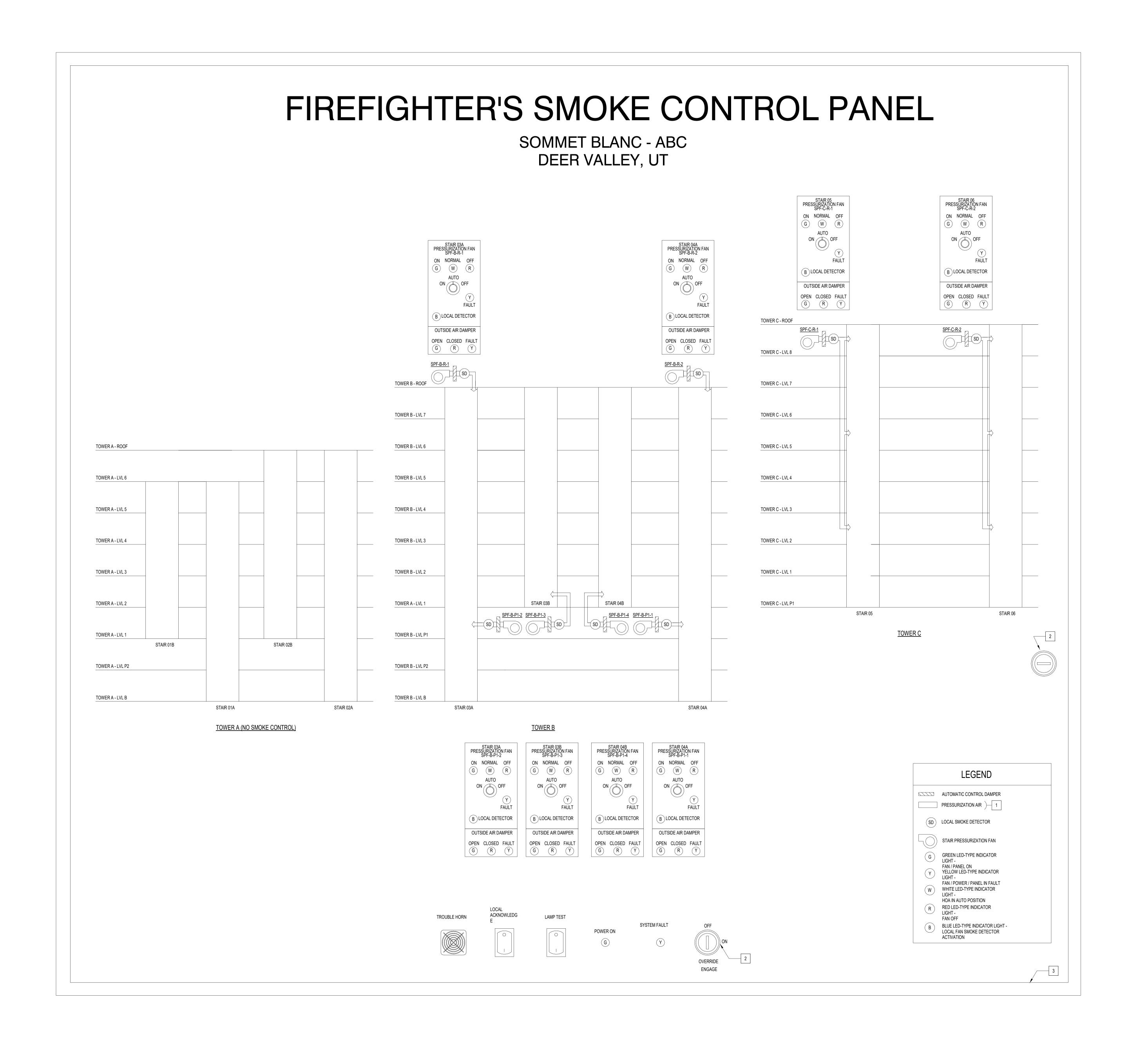
> project manager<u>JCC</u> drawn by__CRB, SMK_____ ____ checked by <u>Checker</u> job no. 20052 date 11/18/2022

principal architect_____

no. date by

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FIRE ALARM SEQUENCES OF OPERATION



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- PRESSURIZATION AIR SHADED BLUE

 KEYED TO MATCH LOCATE FIRE DEPARTME
- 2 KEYED TO MATCH LOCATE FIRE DEPARTMENT REQUIREMENTS
- 3 NEMA 1 ENCLOSURE WITH HINGED FRONT PANEL

KEY NOTES:

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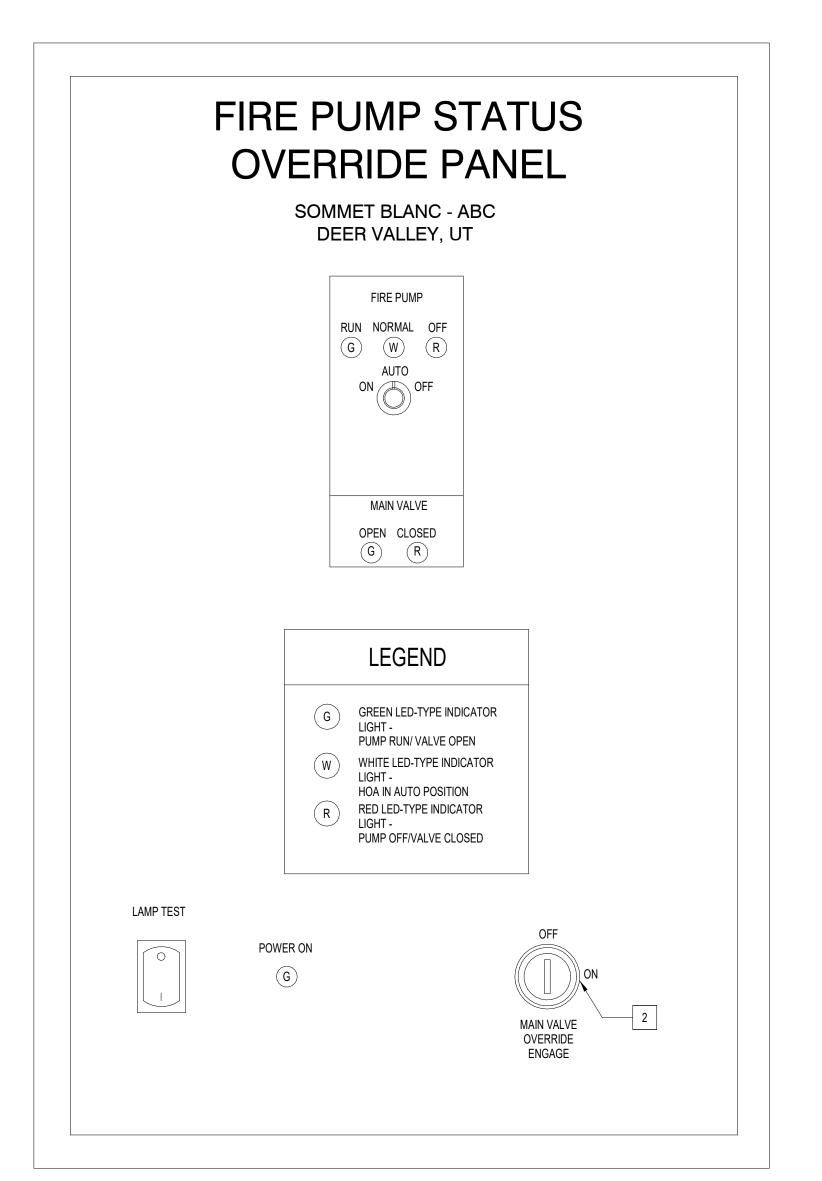
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CONTROL PANEL

FA9.01

FIRE FIGHTER'S SMOKE



NOTES:

1. WHITE LED SHALL ILLUMINATE WHEN HOA IS IN AUTO POSITION.

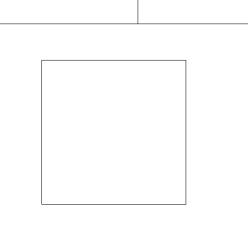
2. GREEN PUMP LED SHALL ILLUMINATE UPON FIRE PUMP RUN SIGNAL FROM CONTROLLER. RED LED SHALL ILLUMINATE WHEN PUMP RUN SIGNAL CLEARS.

3. VALVE GREEN / RED LED SHALL ILLUMINATE BASED UPON VALVE POSITION SUPERVISION BY FIRE ALARM SYSTEM.

h Jackson St, Suite 600 Washington 98104 USA

Reserved for permit stamp

Jison Kundig



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principal architect

project manager JCC

drawn by CRB, SMK

checked by JCC

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revisions:

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sions:

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no. date by

FIRE PUMP STATUS/OVERRIDE PANEL

FA9.02