



1. THE RISER DIAGRAM IS CONCEPTUAL IN NATURE. IT DOES NOT INTEND TO REPRESENT ACTUAL WIRING AND RACEWAY INSTALLATION. ALL CONDUCTORS AND WIRINGS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS, NFPA 72 AND NFPA 70.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE QUANTITY OF NOTIFICATION APPLIANCE CIRCUITS, POWER SUPPLIES, AMPLIFIERS AND BATTERIES BASED UPON CALCULATIONS OUTLINES IN THE TECHNICAL SPECIFICATIONS AND NFPA 72.
3. PROVIDE A MINIMUM OF TWO (2) SPEAKER & STROBE CIRCUITS PER FLOOR, AND ADDITIONAL AS REQUIRED BASED UPON CALCULATIONS.
4. A SIGNALING LINE CIRCUIT SHALL PROTECT FIVE (5) FLOORS MAXIMUM. PROVIDE A DEDICATED SIGNALING LINE CIRCUIT FOR CONTINUOUS OPERATION OF STROBE LIGHTS AND EQUIPMENT IN TOWERS 1 & C LOCATED ON ROOFS AND FOR TOWER B EQUIPMENT LOCATED ON P2 LEVEL.

1	FIRE ALARM / EMERGENCY VOICE COMMUNICATION CONTROL CABINET (FIRE ALARM CONTROL UNIT) WITH 16-18 SWITCHES, SPEAKER SELECT SWITCHES AND MICROPHONE.
2	FIRE ALARM TRANSDUCER CABINET (FTP) WITH POWER SUPPLY AND AMPLIFIERS EXACT QUANTITY TO BE DETERMINED BY FIRE DEPARTMENT. (STROBE LIGHTS TO BE PRE-SELECTED BY THE (S/L) SEPARATE FROM FLOOR SLIP FOR STROBE RELEASING.
3A	SIGNALING LINE CIRCUIT (S/L); CLASS B - SUPERVISORS AND STATIONARY S/L STATIONS, FIRE DETECTORS AND INTERFERENCE MODULES.
3B	SIGNALING LINE CIRCUIT (S/L); CLASS C - DESIGNATED FOR STAIR PULL STATIONS, STATIONARY S/L STATIONS, FIRE DETECTORS AND INTERFERENCE MODULES.
4	STROBE CIRCUIT (STR); CLASS C - UTILIZED FOR VISUAL (STROBE) NOTIFICATION APPLIANCES.
5	SPEAKER CIRCUIT (SPK); CLASS B - UTILIZED FOR AUDIBLE / INTELLIGIBLE (SPEAKER) NOTIFICATION APPLIANCES.
6	SPEAKER CIRCUIT (SPK); CLASS B - UTILIZED FOR AUDIBLE / INTELLIGIBLE (SPEAKER) NOTIFICATION APPLIANCES. STAIRWAYS: EXACT QUANTITY NOT SHOWN FOR CLARITY.
7	

1. EACH TOWER IS TO BE PROVIDED WITH AN EMERGENCY RESPONDER RADIO ENHANCEMENT SYSTEM INCLUSIVE OF BI-DIRECTIONAL AMPLIFIER, BATTERIES, ANNUNCIATOR, EXTERIOR DONOR ANTENNA, COAXIAL CABLING (STANDARD AND RADIATING) AND INTERIOR REPEATERS.

THE FOLLOWING PATHWAYS SHALL BE INSTALLED VIA 2-HR CIRCUIT INTERFERENCE CABLE IN EMT:		9	DATA (COM) AND VOICE (DVC) NETWORK COMMUNICATION BETWEEN FACUS.
1. PATHWAYS FROM CONTROL EQUIPMENT ORIGINATING IN 2-HR FIRE ALARM CLOSURE, FIRE COMMAND CENTER TO THE DESIGNATED 2-HR FIRE RATED SHAFT ON FLOOR PLANS.		10	BRANCH CIRCUITS ORIGINATING FROM FCC / R CONTROL EQUIPMENT TO 2-HR RATED SHAFT'S TRANSITION FROM FCC TO FLR EMT EXIT.
2. STAIR SPEAKER CIRCUITS FROM CONTROL EQUIPMENT TO THE ASSOCIATED STAIR.		11	BRANCH CIRCUITS WITHIN 2-HR RATED SHAFTS.
3. DATA / VOICE NETWORK BETWEEN TOWERS A, B AND C NODES.		12	BI-DIRECTIONAL AMPLIFIER (BDA) FOR INTERIOR TWO-WAY EMERGENCY RESPONDER RADIO SIGNAL ENHANCEMENT.
4. SIGNALING LINE CIRCUITS ASSOCIATED WITH STAIR PRESSURIZATION CONTROL SUPERVISION (TOWERS B AND C ONLY).		13	EXTERIOR DONOR ANTENNA FOR BI-DIRECTIONAL AMPLIFIER.
5. FROM BDA TO 2-HR RATED SHAFTS ON FLOOR PLANS (2-HR UL TYPE COAXIAL CABLEING).		14	COAXIAL CABLE (COAX) RADIATING "LEAKY" COAXIAL CABLE USED FOR SIGNAL ENHANCEMENT AND CONNECTION TO INTERIOR COMMUNICATIONS EQUIPMENT ON FLOOR PLANS.

XXX: PATHWAY TYPE

24V - 24VDC AUXILIARY POWER
SLC - SIGNALING LINE CIRCUIT
SPK - SPEAKER CIRCUIT
STR - STROBE CIRCUIT
COM - NETWORK / DATA COMMUNICATION (BETWEEN FACUS AND FAU)
DVC - DIGITAL VOICE COMMUNICATION (BETWEEN DIGITAL AMPLIFIER
COAX - COAXIAL CABLE

Reserved for permit stamp

159 South Jackson St, Suite 800
Seattle, Washington 98104 USA
+1 206 624 5670 olsonkundig.com

Olson Kundig

project: **SOMMET BLANC - AB**
DEER VALLEY, UTAH



Aspen Group USA, LLC
PO Box 980022
Park City, Utah 84098

Pool Consultant
Cloward H2O
2696 N University Ave, Suite 290
Provo, UT 84604

Landscape Architect
EPG Design
6949 South High Tech Drive, Suite 100
Midvale, Utah 84047

Specifications Writer
Friday Group
88 Mainelli Road
Middlebury, VT

Code Consultant
Holmes
600 1st Avenue, Suite 200A
Seattle, WA 98104

Fire Protection Engineer
Jensen Hughes
One Research Drive, Suite
Westborough, MA 01581

Vertical Transportation Consultant
Lerch Bates
19515 North Creek Parkway, Suite 30
Bothell, WA 98011

Structural Engineer
Magnusson Klemencic Associates
1301 5th Ave., Suite 3200
Seattle, WA 98101

Lighting Designer
O.
1319 SE MLK Blvd, Suite 210
Portland, Oregon 97219

Building Envelope Consultant
RDH
2101 N 34th St
Seattle, WA 98103

Accessibility Consultant
Studio Pacifica
2144 Westlake Ave N, Suite F
Seattle, WA 98109

MEP Engineer
WSP USA
1001 Fourth Ave., Suite 3100
Seattle, WA 98154

principal architect _____

drawn by CRB, S
checked by JCC

revisions:

no. date

05/17/2024

FIRE ALARM RISE

FA6.01
