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SYMBO	OLS & ABBRE	VIATI	ONS LEC	GEND		
ABBREVATION	NAME	SYMBOL	ABBREVATION NAME		SYMBOL	
X" PVC	X" DIA. PVC PIF	.Е	NO	NORMALLY OPEN VALVE	POSITION	
AV	AIR/VAC RELIEF VALVE	∏ AV	PC	PRESSURE GAUGE	PG	
BV	BALL VALVE	D	FG	WITH ISOLATION VALVE	D	
BFV	BUTTERFLY VALVE	<del> </del>	DOV	PRESSURE	$\left( \begin{array}{c} \\ \end{array} \right)$	
СНК	CHECK VALVE	Ν	F3V	SUSTAINING VALVE		
			RD	REDUCER/ENLARGER	۵	
FD	FLOOR DRAIN	۲	SMV	SAMPLING VALV	/E	
FM	FLOW METER	(FM)	SV	SOLENOID VALVE	EX	
GPM			ELECTRICAL	LINES — — — —		
GBV	GLOBE VALVE		AUTOMATI	ED / ACTUATED VALVE	M	
NC	NORMALLY CLOSED VALV	E POSITION				
FLG	FLANGE			DISCONNECT SWITCH	DS	
ARROW INDIC	ATES DIRECTION OF FLOW		GAUGE COCK VALVE		X	
TP	TEMPERATURE PROBE		TEE			
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	DRAWING STATUS IFC SET 2 OF 3 05/17/2024
	SHEET INDEX SYMBOLS & ABBREVIATIONS WO-0.00

### A. GENERAL REQUIREMENTS: 1. The Plans, Specifications and other contract documents will govern the Work. The Plans and Specifications and other contract documents are intended to be complimentary, to describe and provide for a complete project. 2. All Work shall be performed in accordance with current Local Building Codes and Standards and adopted Building Codes and/or Health Codes. 3. "Contractor" refers to the Contractor or Sub-Contractor responsible for the installation and construction of the Work contained in the W and WE Series documents and is responsible for meeting all the requirements contained on the Drawings, Specifications, and Notes. 4. The Contractor is responsible for coordinating all phases of Work contained in these (W and WE Series) construction documents with other construction trades and construction documents including but not limited to Civil, Structural, Mechanical, Electrical, Landscape, and Architectural trade work. 5. The Contractor is responsible for providing a complete installation of the systems included in these (W and WE Series) construction documents including pool shells, piping, mechanical equipment, electrical equipment, electrical components and power. 6. The Contractor is responsible for coordinating the installation and purchase of all the electrical components, including electrical devices, power panels, control panels, etc. as indicated on the Electrical (WE Series) Drawings for the complete operation of the systems. 7. The Contractor shall notify the Engineer / Architect of any discrepancies, omissions, or conflicts between various elements of the contract documents prior to proceeding with any work involved in the discrepancy, omission, or conflict. Generally, the most stringent requirements shall govern the Work, unless otherwise directed. 8. The Contractor shall verify the location of all existing utilities including cables, conduits, pipes, water lines, gas lines, etc. and shall take proper precautions to avoid damage to such components. In the event of a conflict or discrepancy, the Contractor shall notify the Owner and Engineer/Architect and request for necessary relocations. Failure to follow this procedure places upon the Contractor the responsibility for making repairs or replacement at his own expense. 9. The Contractor shall provide necessary safeguards and exercise caution against damage to existing and new structures, structural components, and finishes. The Contractor shall be responsible for any damage resulting from his operations and shall repair or replace such damage at his own expense. 10. The Contractor shall verify all existing conditions, dimensions, elevations, etc. on the site and shall coordinate the Work to be performed with all trades. Do not scale

- drawings. 11. Shop Drawings shall be submitted by the Contractor to be reviewed and approved by the Engineer/Architect prior to fabrication, erection, and/or manufacturing of components or purchasing any materials.
- 12. Sizes, locations, loads, and anchorage of equipments shall be verified in the field with equipment manufacturers or suppliers prior to fabrication or installation of supporting structures.
- 13. Temporary bracing shall be provided wherever necessary to take care of all loads, including wind, to which the structure may be subjected. Such bracing shall be left in place as long as may be required for safety or until all the structural elements are completed. All bracing shall be the responsibility of the Contractor. 14. The Contractor is responsible for safety and protection within and adjacent to the job site during construction.
- 15. During construction and after the Contractor and/or Owner shall keep loads on the structure within the limits of the design load.
- 16. Any special inspections required by the Building Official or the Building Code shall be the responsibility of the Contractor or Owner. 17. Visits to the job site by Representatives of the Engineer do not constitute approval of the Work performed by the Contractor or his Sub-Contractors and are merely for the purpose of observing the Work performed.
- 18. Failure to follow the Plans and Specifications constitutes change in project scope. The Engineer reserves the right to request replacement of any portion of the Work deviating from the Plans and Specifications where written approval has not been obtained. Deviation from the construction documents without written approval relieves the Engineer of all liability and the Contractor assumes full liability.

### B. SITE WORK:

- 1. Prior to construction the Contractor shall verify all site conditions, dimensions, and elevations and shall coordinate the Work performed by all trades. 2. Refer to Soils Report and Geotechnical Engineer for additional requirements for excavation, backfill materials, ground water elevations, dewatering requirements, etc. The
- Soils Report will govern the Work related to excavation and backfill. 3. The Contractor shall excavate to required sub-grade elevations for all piping, footings, foundations, slabs, vaults, and structures necessary to complete the Work described in
- the construction documents. 4. All footings, slabs, and concrete shells shall bear on undisturbed natural material or properly placed engineered backfill. If a portion of the structure is on engineered fill then the entire structure shall be excavated and backfilled, so the entire structure is on engineered fill to minimize differential settlement.
- 5. Pipe trenches shall be excavated to full width and depth required for proper installation and in accordance with the pipe manufacturer's recommendations and applicable codes.
- 6. Pipe Layouts shown in the construction documents represent the desired pipe routing, allowing for minor realignment required by field conditions. The Engineer of Record's approval is required for all major rerouting of piping.
- 7. All Pipe runs shall be installed with the least number of fittings and without air entrapping high points or reverse slopes. 8. Piping shall be fully supported along its entire length to prevent pipe deflections and in accordance with contract specifications. All fittings shall be adequately supported to resist thrust, vibration, and movement. Provide thrust blocks and bracing where needed.
- 9. All materials and installations of site piping, fittings, valves, concrete, shotcrete, etc. shall meet the requirements indicated in the written specifications. 10. Provide vapor barrier and provide 6 inches minimum of free draining granular material under all slabs-on-grade and pool and spa structures, U.N.O.
- 11. The slab should be supported on compacted sand fill and/or densified native sandsover engineered fill. Materials and installation must meet approval of geotechnical enginee
- 12. Place engineered fill as required for an allowable soil bearing pressure of 3,000 PSF uniform (and 4,000 PSF point/edge load) bearing pressure. 13. The soil should be prepared for construction by compacting to a density of at lest 95% of the materials modified proctor maximum dry density (ASTM D-1557). The required
- compaction should be achieved for a depth of at least 2 feet below the bottom of the footing base. 14. All fill must be removed and replaced as required.

## C. CONCRETE WORK:

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- 1. All concrete placement work shall be in accordance with ACI-301 and ACI-302. When concrete is placed during hot weather conform to ACI-305R. When concrete is placed during cold weather conform to ACI-306R.
- 2. The Contractor shall provide the Owner with the Concrete Supplier's statement of mix proportions, anticipated 28 day compressive strength, and test reports. 3. Concrete test cylinders shall be made and stored in accordance with ASTM C-31. Records of test cylinders and test shall be sent to the Owner and the Engineer of Record for approval. If test cylinders are not prepared at time of concrete installation the Contractor shall be fully responsible for obtaining cored test samples and repairing concrete surface to the satisfaction of the Engineer of Record. All tests and samples shall be performed in accordance with ASTM standards and per the written specification.
- 4. The Contractor shall coordinate the location of penetrations with all other trades prior to placing concrete and install sleeves, block outs, etc. as required.
- 5. All penetrations through walls or slabs subjected to water shall be installed with a mechanical water stop or link seal.
- 6. All concrete structures holding or retaining water shall have water stops or water bars placed at all construction joints to protect reinforcement. 7. The Contractor shall be responsible for proper placement of all anchor bolts, imbeds, plates, etc. as required.
- 8. The Contractor shall be responsible for the design, detailing, care, placement, and removal of all form work and shoring. Do not remove forms and shoring until structural members acquire sufficient strength to support their own weight plus construction loads
- 9. All expansion joints shown on the plans shall be installed without change to the number or location except with the written approval of the Engineer of Record. 10. Joint sealant shall be either fiber expansion joint type conforming to ASTM D1751 or closed cell neoprene sponge rubber conforming to ASTM D1752.
- 11. Concrete mixture shall have a 28 day compressive strength of 5,000 psi (34.5 MPa) minimum. 12. Portland cement shall conform to ASTM C150, Type V or Type II with C3A<=5% with a water-cement ratio of 0.40. Air entrainment as recommended by ACI 318 and ASTM
- 13. Aggregates shall be clean, washed, non-friable, and uniformly graded to conform to ASTM C33.
- 14. See Project Specification for additional concrete requirements and admixtures. 15. Reinforcing Steel shall be deformed, now billet steel bars conforming to ASTM A615. Provide grades as noted in the contract documents, where the grade is not specified
- provide Grade 60. 16. Tie wires shall be soft annealed steel, 18 gauge minimum conforming to ASTM A82.

e. Shower before entering pool.

f. "No Diving [4" Letters]

8. Mix design, compressive strength, cement type, and water ratio to match concrete - see C. 11, 12, 13, etc on this sheet.

3. Make three (3) test cylinders for each day of shotcrete application. Test cylinders in accordance with ACI 506.2.

5. Shotcrete shall be kept damp for at least ten (10) day after being placed as described in the Project Specifications.

E. PIPES AND FITTINGS: 1. Buried site piping shall be PVC pipe and fittings having the NSF-PW seal of approval and shall be Schedule 40, Type I, Normal Impact, conforming to ASTM D1785-73, ASTM D2241-73, ASTM D2466-69, and ASTM D3036-72.

2. Schedule 80 PVC shall be used within the mechanical room and vaults, having the NSF-PW seal of approval, conforming to ASTM D1785-73, ASTM D2267, and ASTM D2464.

3. PVC solvent cement shall conform to ASTM D2564-73 and rubber gasket bell and spigot joints shall conform to ASTM D2855.

4. Copper pipe shall be hard drawn, Type K conforming to ASTM B88 and WWT-799. 5. PVC pipe installation shall conform to the requirement of Technical Report PPI-TTR 13 (8/73), Plastic Pipe Institute.

6. All valves shall have a minimum pressure rating of 125 psi (862 kPa). 7. All pipe installations shall be tested for water tightness. Piping installation shall meet the requirements of a Field Hydrostatic Pressure Test in accordance with the Project Specifications and in the presence of the Engineer's Representative.

8. All piping in contact with on-site soils shall be PVC, else provide corrosion protection system; protective coating or wrapping, etc. 9. All above grade PVC piping located inside structures, but exterior to the mechanical room shall be wrapped with two (2) layers of Firemaster to obtain a minimum two (2) hour fire rating.

10. All above grade exposed PVC shall be painted with a UV resistant coating.

11. Install all piping without forcing or springing. 12. All bottom drains and suction fittings shall be constructed and installed in compliance with the Virginia Graeme Baker Act and ASME A112.19.8.2007/2008A or most current version.

F. POOL SHELL NOTES:

1. All skimmer and gutter lips shall be level within 3/16 inches (5 millimeters).

2. All corners protruding into the pool shall have a two (2) inched (5 centimeter) radius or larger.

3. The upper part of pool walls are to be within five (5) degrees of vertical for a minimum depth equal to the pool depth minus 30 inches (76 centimeters) and the radius joining the upper wall section to the floor shall be a minimum of six (6) inches (15 centimeters).

4. The Owner shall inspect concrete pool shell for water tightness and verify the pool is free from structural cracks prior to application of pool finish. 5. Do not install construction or expansion joints in pool floors or walls, unless indicated on the construction documents. Pour Strips shall be placed only where indicated in the

construction documents. 6. Water stops, inserts, pre-manufactured joints, bottom drains, skimmers, inlets, niches, anchors, etc. shall be properly placed and installed prior to placing concrete/shotcrete in accordance with the manufacturer's recommendations.

7. All reinforcing shall be two (2) inches (5 centimeters) minimum clear from face of concrete unless otherwise noted. Concrete placed against soil shall have three (3) inches (8 centimeters) minimum clear. Typical reinforcement steel is centered in the slab and wall, unless otherwise noted.

8. Pool walls are designed for a maximum surcharge of 100 pounds per square feet (47 kPa). The Contractor shall avoid subjecting walls to additional surcharges during

construction. 9. All pool linings must be smooth, non-toxic, and not impart any taste or odor to pool water.

10. Provide hydrostatic pressure release plugs in pools (or equal) as required to prevent pools from lifting when empty, and subjected to ground water and or hydrostatic pressure. Structures and Pools subjected to ground water shall have an under drain system connection by Civil Engineer.

G. POOL STANDARDS:

1. The Work shall be in strict accordance with the local Department of Health Swimming Pool Requirements.

2. Install a testable backflow prevention device at all pool water source connections to main potable water supply line.

3. All hose bibs around the pool area, equipment rooms, and sanitary facilities shall be equipped with atmospheric vacuum breakers.

4. Pool waste water shall be discharged through a minimum six (6) inch (15 centimeter) air gap.

5. Provide a potable fill / makeup supply for each pool system with a six (6) inch (15 centimeter) air gap above the high water level.

6. All depth markings shall be placed at a maximum of 25 feet (7.6 meters) intervals and indicate the depth within three (3) inches (7.5 centimeters).

7. All tiles used to mark edges of steps, benches, and swim out areas shall be contrasting in color to the pool finish. Tiles on stair tread and benches shall be slip resistant. 8. All "Depth" and "No Diving" markings on horizontal surfaces shall be of slip resistant materials.

9. All pool stairs & treads shall have a slip resistant finish.

10. All pool equipment that comes in contact with pool/spa water shall be NSF approved.

11. All circulation and treatment pumps shall be NSF approved.

12. All flow meters shall be capable of reading 1.5 times the designed flow rate.

13. All pool chemicals shall be stored in accordance to manufacturer's recommendations under roofed structures and inaccessible to unauthorized persons. 14. All chemical dosing equipment for pool treatments systems shall be electrically interlocked to the pool's recirculation pump(s) such that dosing cannot continue when the

pumps are not in operation.

15. The pool heaters shall also be electrically interlocked with the pool treatment pumps to prevent heater operation when the treatment pumps are not in operation. 16. All electrical outlets within the pool area shall be GFCI rated.

17. Each pool/spa shall be provided with a standard rule sign in locations that are visible from all areas of the pool. Lettering for pool rules sign shall be at least 1" high.

18. Swimming Pool Rules:

a. No Food or Beverages in the pool or on the pool wet deck. b. No glass or animals in the fenced pool area or within 50 feet (15.2 meters) from an unfenced pool.

c. Bathing Load: \_\_\_\_ Persons

d. Pool Hours: \_\_\_\_\_a.m. to \_\_\_\_\_p.m.

g. Do not swallow pool water.

h. Do Not place furniture in pool.

2. The Contractor must have at least three (3) years experience in shotcrete application and shall provide the Engineer of Record with at least five (5) projects of this type and size which he has completed in a satisfactory manner.

1. All Shotcrete materials, proportioning, and application shall conform to ACI 506.2.

tight and true to line and in a manner that they may be easily tightened.

7. Finished surfaces shall be cleaned to the approval of the Engineer of Record.

4. Install adequate ground wires prior to shotcrete application to be used as screens to establish thickness and surface planes of shotcrete work. Place ground wires so they are

6. The Contractor shall be responsible for the removal from the site all shotcrete debris, debris rebound, and construction waste materials upon completion of the Work.

D. <u>SHOTCRETE:</u>

17. All concrete shall be water (damp) cured as described in the Project Specifications, unless the Engineer of Record has provided written approval for an alternative method. 18. The Contractor shall be responsible for the cleanup and removal from the site of all concrete debris and associated materials upon completion of the Work.

18. Surface treatment of wet deck areas shall be impervious and slip resistant as specified by the Landscape Architect. Wet deck treatment shall also include the first 15 feet (4.5 meters) of walkways to the sanitary facilities.

a. One (1) life hook or shepherd hook with a 16 foot (4.9 meter) single piece pole.

19. One set of pool safety equipment per pool, as per code, shall be provided and shall consist of the following:

- b. One (1) 18 inch (45 centimeter) diameter life saving ring with rope.
- 20. The Contractor shall provide a minimum of one (1) portable vacuum systems with extra cartridge filter media. The number of systems shall be confirmed with the Owner/Operator.
- 21. The contractor shall provide one (1) pool test kit.
- 22. All valve box lids, manhole lids, and other access covers located within the pool areas, shall be slip resistant, non-protruding type.
- 23. Food and drink service facilities shall not be within 12 feet (3.6 meters) of the water's edge. 24. A vertical clearance of seven (7) feet shall be maintained about all pool decks.
- 25. Sanitary facility floors shall be constructed of concrete or other nonabsorbent materials and shall have a smooth slip resistant finish and shall slope to floor drains.
- 26. The insulation between the floor and walls must be covered where either floor or wall is not made of waterproof materials such as vinyl or tile.
- 27. Carpets, duckboards, and footbaths are prohibited

28. Sanitary facilities shall be directly accessible from the pool deck.

H. ADA COMPLIANCE:

- 1. The Contractor shall provide all equipment necessary to provide accessible means of entry for each pool/spa in accordance with the 2010 Americans with Disability Act Standards for Accessible Designs (ADASAD), sections 242 and 1009. This includes all in-deck anchor sleeves. 2. Swimming Pools shall provide at least two accessible means of entry. At least one means shall be a compliant pool lift, or compliant sloped entry.
- 3. Provide two different means of access at different locations of the pool to provide increased options for entry and exit where multiple means of access are required.
- 4. Pools less than 300 linear feet (91 meters) shall provide only one accessible means of entry, which shall be a compliant pool lift, sloped entry, or transfer system.
- 5. Pool lifts shall comply with 1009.2 of the 2010 ADASAD. 6. Pool stairs shall comply with 1009.6 of the 2010 ADASAD.

### I. Electrical Requirements:

- 1. All electrical work shall be in strict compliance with the latest edition of the National Electrical Code (NEC) and local ordinances. The most stringent requirements shall take precedence.
- 2. Pools shall be adequately grounded as required by the NEC including reinforcing, underwater lights, handrails, anchors, etc.
- 3. Control panels, power panels, etc. shall be installed in locations where the panels are easily accessible and meet NEC code clearance requirements. 4. The Contractor shall verify all electrical loads (voltage, phase, connection requirements, etc.) of equipment furnished before beginning rough in work. Notify the Engineer if there are any discrepancies between equipment furnished and construction documents.
- 5. The Contractor shall insure that all components of the control system are fully operational and function as originally intended. Operation of the system shall meet the requirements as indicated in the control specifications and in the construction documents.

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	Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT <u>Code Consultant</u> Holmes 600 1st Avenue, Suite 2 Seattle, WA 98104	00A
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	<u>Landscape Architect</u> <b>EPG Design</b> 6949 South High Tech Drive, Suite 100 Midvale, Utah 84047	
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		-	<b>O-</b> 1319 SE MLK Blvd, Suite Portland, Oregon 97219 <u>Building Envelope Consu</u>	210 Itant
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				White Summit Dev PO Box 98 Park City, Uta	elopment, LLC 30022 ah 84098
SCALE 3/	/4"=1'-0"			Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101 CCLOCWARE WATER PERFER 2696 N. University Ave, Ste. 290, Pr Tel: +1.801.375.1223 • www. Landscape Architect EPG Design 6949 South High Tech D Midvale, Utah 84047	rive, Suite 100
				Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT Code Consultant Holmes 600 1st Avenue, Suite 20 Seattle, WA 98104 Fire Protection Engineer Jensen Hughes One Research Drive, Su Westborough, MA 01581 Vertical Transportation O	00A ite 305C Consulatant
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			Friday Group         88 Mainelli Road         Middlebury, VT         Code Consultant         Holmes         600 1st Avenue, Suite 200         Seattle, WA 98104         Fire Protection Engineer         Jensen Hughes         One Research Drive, Suit         Westborough, MA 01581         Vertical Transportation Content         Lerch Bates         19515 North Creek Parkwe         Bothell, WA 98011	DA e 305C <u>onsulatant</u> ray, Suite 304
			Structural Engineer         Magnusson Klemencic A         1301 5th Ave, Suite 3200         Seattle, WA 98101         Lighting Designer         O-         1319 SE MLK Blvd, Suite         Portland, Oregon 97219         Building Envelope Consul         RDH         2101 N 34th St         Seattle, WA 98103         Accessibility Consultant         Studio Pacifica	Associates 210 tant
INS			2144 Westlake Ave N, Su Seattle, WA 98109 <u>MEP Engineer</u> <b>WSP USA</b> 1001 Fourth Ave., Suite 3 Seattle, WA 98154 principal architect <u>Cl</u> project manager <u>Cl</u> drawn by <u>Cl</u> checked by <u>Cl</u> job no. X3	100 120 120 120 120 120 120 (XXX
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			White Summit Development, LLC PO Box 980022 Park City, Utah 84098
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			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 305C         Westborough, MA 01581         Vertical Transportation Consulatant         Lerch Bates         19515 North Creek Parkway, Suite 304         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
			Accessibility Consultant Studio Pacifica 2144 Westlake Ave N, Suite F Seattle, WA 98109
			WSP USA 1001 Fourth Ave., Suite 3100 Seattle, WA 98154 principal architect CH20 project manager CH20 drawn by CH20 checked by CH20 job no. XXXXX date 05/17/2024
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## CING NDATIONS. ILY BY PE TRENCH SECTION PLACE EXCESS MATERIAL ON TOP OF TRENCH, WHEEL ---- ROLL WITH AT LEAST TWO PASSES WITH APPROPRIATE EQUIPMENT \_\_\_\_\_ $-----\times$ \_\_\_\_\_\_ \_ TRENCH SLOPES AS PER OSHA OR LOCAL STANDARDS

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PLACE EXCESS MATERIAL ON TOP OF TRENCH, WHEEL - ROLL WITH AT LEAST TWO PASSES WITH APPROPRIATE

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			White Summit Dev PO Box 9 Park City, Uta	<b>relopment, LLC</b> 80022 ah 84098
SCAL	Ξ 1"-1'-0"		Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101 CLOWARN WATER PERFE 2696 N. University Ave, Ste. 200, P Tel: +1.801.375.1223 • www Landscape Architect EPG Design 6949 South High Tech D Midvale, Utah 84047	Tovo UT 84604, USA clowardh2o.com
			Specifications Writer         Friday Group         88 Mainelli Road         Middlebury, VT         Code Consultant         Holmes         600 1st Avenue, Suite 2         Seattle, WA 98104         Fire Protection Engineer         Jensen Hughes         One Research Drive, SL         Westborough, MA 0158         Vertical Transportation O         Lerch Bates         19515 North Creek Park	00A ite 305C 1 <u>Consulatant</u> way, Suite 304
			Bothell, WA 98011 <u>Structural Engineer</u> Magnusson Klemencic 1301 5th Ave, Suite 320 Seattle, WA 98101 <u>Lighting Designer</u> O- 1319 SE MLK Blvd, Suit Portland, Oregon 97219 <u>Building Envelope Cons</u> RDH 2101 N 34th St Seattle, WA 98103	e 210 ultant
			Studio Pacifica         2144 Westlake Ave N, S         Seattle, WA 98109         MEP Engineer         WSP USA         1001 Fourth Ave., Suite         Seattle, WA 98154         principal architect         project manager         drawn by         checked by	Suite F 3100 CH2O CH2O CH2O
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PROVIDE PLASTIC SLEEVE OR CAST IN PLACE OR CORE DRILLED HOLE. SIZED AS PER MANUFACTURER'S LINK SEALS REQUIRED THROUGH ALL EXTERIOR BLDG. WALLS & STRUCTURES THAT DO NOT CONTAIN W

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	White Summit Deve PO Box 98 Park City, Uta	Plopment, LLC 0022 h 84098
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SCALE 1"-1'-0"	Code Consultant         Holmes       600 1st Avenue, Suite 20         Seattle, WA 98104       Seattle, WA 98104         Fire Protection Engineer       Jensen Hughes         One Research Drive, Suit       Westborough, MA 01581         Vertical Transportation C       Lerch Bates         19515 North Creek Parky       Bothell, WA 98011         Structural Engineer       Magnusson Klemencic J         1301 5th Ave, Suite 3200       Seattle, WA 98101         Lighting Designer       O-         1310 SE MLK Rivel Suite	e 305C onsulatant /ay, Suite 304 Associates
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	<b>EPG Design</b> 6949 South High Tech Drive, Suite 100 Midvale, Utah 84047
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	<u>Fire Protection Engineer</u> Jensen Hughes One Research Drive, Suite 305C
	Westborough, MA 01581 Vertical Transportation Consulatant
ALE 1-1/2"-1'-0"	<b>Lerch Bates</b> 19515 North Creek Parkway, Suite 304 Bothell, WA 98011
	<u>Structural Engineer</u> Magnusson Klemencic Associates 1301 5th Ave, Suite 3200
	Seattle, WA 98101 Lighting Designer
	<b>O-</b> 1319 SE MLK Blvd, Suite 210 Portland, Oregon 97219
	Building Envelope Consultant RDH 2101 N 34th St Seattle, WA 98103
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Ţ		Specifications WriterFriday Group88 Mainelli RoadMiddlebury, VTCode ConsultantHolmes600 1st Avenue, Suite 20Seattle, WA 98104Fire Protection EngineerJensen HughesOne Research Drive, SuiWestborough, MA 01581	0A te 305C
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		2696 N. University Ave, Ste. 290, P Tel: +1.801.375.1223 • www.	rovo UT 84604, USA clowardh2o.com
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OR BARRIER		<u>Landscape Architect</u> <b>EPG Design</b> 6949 South High Tech D	rive, Suite 100
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Э ′Р.		<b>Friday Group</b> 88 Mainelli Road Middlebury, VT	
		<u>Code Consultant</u> Holmes	
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		Vestborougn, MA 01981	Consulatant
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		Structural Engineer Magnusson Klemencic 1301 5th Ave. Suite 3200	Associates
		Seattle, WA 98101	, 
		Lighting Designer O- 1319 SE MLK Blvd, Suite Portland, Oregon 97219	210
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ELECTRICAL	GENERAL NOTES	ELECTRICAL SYMBOL SCHEDULE				
1 THE ELECTRICAL SYSTEMS DEFINED BY THESE DI ANS AND THE SPECIFICATIONS ARE TO BE		SYMBOL DESCRIPTION	MOUNTING NOTES			
CONSTRUCTED AS COMPLETE AND OPERABLE SYSTEMS AND SHALL BE BID WITH THIS INTENT. TH	E #10 SHALL BE SOLID AND CONDUCTORS #8 OR LARGER SHALL BE STRANDED.	\$TH THERMAL OVERLOAD SWITCH	4' - 0" UNO			
CONTRACTOR SHALL VISIT THE SITE, READ ALL THE RELEVANT DOCUMENTS, AND BECOME FAMILI/ WITH THE TYPE OF CONSTRUCTION AND WORK TO BE ACCOMPLISHED. SHOULD ANY ERROR		\$P PILOT LIGHT SWITCH	4' - 0"			
OMISSION, OR CONFLICT EXIST IN EITHER THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHA	REMOVE ALL FINGER PRINTS, FOREIGN MATTER, PAINT, DIRT, GREASE, AND UN-NEEDED LABELS OR	DUPLEX OUTLET, 20A, 120VAC	1' - 6" UNO			
NOTIFY THE ENGINEER IN WRITING BEFORE SUBMITTING THEIR BID PRICE SO A CHANGE CAN BE ISSUED IN A PRE-BID ADDENDUM, OTHERWISE, THE CONTRACTOR AND/OR EQUIPMENT SUPPLIERS	STICKERS FROM FIXTURES AND EQUIPMENT. REMOVE ALL RUBBISH AND DEBRIS ACCUMULATED	DUPLEX OUTLET, 20A, 120VAC - GFCI	1' - 6" UNO			
SHALL SUPPLY THE PROPER MATERIALS AND LABOR TO INSTALL COMPLETE AND OPERABLE		➡ FOURPLEX OUTLET, 20A, 120VAC	1' - 6" UNO			
CONTRACTOR SHALL TEST AND CONFIRM ITS PROPER OPERATION. ANY INCOMPLETE SYSTEM	19. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED WITH FIRE STOPPING, IE.	JUNCTION BOX	SURFACE			
SHALL BE MADE COMPLETE AND OPERABLE PRIOR TO PROJECT CLOSEOUT.	3M BRAND CAULK, PUTTY, STRIP AND SHEET FORMS, DOW CORNING 3-0546 SILICONE RTV FOAM.	H) WALL JUNCTION BOX	1' - 6" UNO			
2. THE ARCHITECTURAL, MECHANICAL, AND WATER FEATURE PLANS ARE CONSIDERED A PART OF TH	20. COORDINATE LOCATION OF WALL MOUNTED DEVICES WITH CABINETRY AND OTHER WALL	UISCONNECT SWITCH - NON-FUSED	5' - 0" UNO 1			
ELECTRICAL DOCUMENTS SO FAR AS ANY ELECTRICAL ITEMS THEY MAY CONTAIN. THE ELECTRIC/	AL DEVICES THAT NEED TO BE RELOCATED MUST BE BROUGHT TO THE ATTENTION OF THE	LET DISCONNECT SWITCH - FUSED	5' - 0" UNO 1			
ALLOWED FOR FAILURE TO COORDINATE THE CONTRACT DOCUMENTS WITH OTHER TRADES	ELECTRICAL ENGINEER PRIOR TO ROUGH-IN FOR NEW LOCATION.	UISCONNECT SWITCH - SHUNT TRIP	5' - 0" UNO 1			
AND/OR IF EQUIPMENT DIMENSIONS ARE GREATER THAN SPECIFIED AND/OR DIMENSIONED ON THI	21. ELECTRICAL CONTRACTOR SHALL CONFIRM MINIMUM CODE WORKING CLEARANCE BEFORE		5' - 0" UNO			
PLANS.	INSTALLING ANY ELECTRICAL PANELS OR CABINETS AND SHALL MOVE THE PANELS IF REJECTED BY		5' - 0" UNO			
3. THE ELECTRICAL CONTRACTOR SHALL PROVIDE EQUIPMENT, MATERIALS, AND LABOR FOR THE	IN WRITING.		5' - 0" UNO			
CONNECTIONS OF ALL EQUIPMENT SHOWN ON THE PLANS - ARCHITECTURAL, MECHANICAL, ETC.		O MOTOR	SURFACE			
4. THIS PROJECT IS TO BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST RECENT LOCAL,	22. WIRING DEVICES SHALL BE WHITE OR GRAY IN COLOR WITH METAL COVER PLATES. EXTERIOR OUTLETS SHALL HAVE CAST COVERS WITH FLIP TYPE LIDS UNO.	EMERGENCY POWER SHUTOFF SWITCH	4' - 0"			
REGIONAL, AND NATIONAL CODES. IF AT ANY TIME DURING OR AFTER CONSTRUCTION SOMETHING IS FOUND TO BE INSTALLED IN VIOLATION OF THESE CODES LISTED ABOVE. IT SHALL BE	j	PANELBOARD - SURFACE MOUNTED	6' - 6" TO TOP			
CORRECTED BY THE CONTRACTOR.	23. EC SHALL COORDINATE WITH EQUIPMENT SUPPLIERS ON THE EXACT LOCATIONS OF ALL EQUIPMENT AND ELECTRICAL CONNECTIONS PRIOR TO ROUGH-IN. THE FC SHALL MAKE THE FINAL	PANELBOARD - RECESSED	6' - 6" TO TOP			
5. WHERE A RACEWAY ENTERS A BUILDING OR STRUCTURE FROM THE OUTSIDE IT SHALL BE SEALED	CONNECTION TO ALL EQUIPMENT UNLESS OTHERWISE DIRECTED BY THE EQUIPMENT SUPPLIER.	TRANSFORMER - PI AN VIFW	PAD/FLOOR			
	OBTAIN FROM SUPPLIERS ALL WIRING DIAGRAMS FOR EQUIPMENT PRIOR TO ANY ROUGH-IN. TO ASSURE THAT PROPER CHARACTERISTICS ARE PROVIDED, ANY INCORRECT WIRING OR DEVICES		WALL			
6. ALL ELECTRICAL EQUIPMENT THAT IS LIKELY TO REQUIRE EXAMINATION, ADJUSTMENT, SERVICING	INSTALLED BY THE EC WITHOUT THE WIRING DIAGRAM SHALL BE CORRECTED AT THE EC'S		PIPE/PUMP			
PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS. THE LABEL SHALL ALSO CONTAIN THE	ADDITIONAL COPIES WITH THE OPERATION AND MAINTENANCE MANUALS.	FS FLOW SWITCH	PIPE/PUMP			
MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE FAULT CURRENT CALCULATIONS WERE PERFORMED.		FM FLOW METER	PIPE/PUMP			
	24. ELECTRICAL CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE MECHANICAL CONTRACTOR SUCH THAT NO DUCTS, PIPING, OR EQUIPMENT FOREIGN TO THE OPERATION OF THE ELECTRICAL		WALL			
7. ALL PANELBOARDS AND SWITCHBOARDS SHALL BE PERMANENTLY MARKED TO INDICATE EACH DEVICE OR EQUIPMENT WHERE THEIR POWER ORIGINATES ALL FOUNDMENT PROVIDED BY THE FO	EQUIPMENT SHALL BE PERMITTED TO BE INSTALLED IN, ENTER, OR PASS THROUGH ELECTRICAL		FR - ONF-LINF			
SHALL BE LISTED AND LABELED BY A NATIONALLY RECOGNIZED TESTING AGENCY, ACCEPTABLE T	RUUNIS UK SPACES, UK ABUVE UK BELUVV ELECTRICAL EQUIPMENT IN UTHER AREAS.         0					
THE AUTHORITY HAVING JURISDICTION, AND BE PROPERLY INSTALLED FOR THE CONDITIONS AND SPACE THAT EQUIPMENT IS BEING INSTALLED WITHIN.	25. ELECTRICAL CONTRACTOR SHALL REVIEW ALL ARCHITECT'S ELEVATIONS, SECTIONS AND FLOOR PLANS PRIOR TO ROUGH-IN OF ELECTRICAL DEVICE JUNCTION BOXES.		NSFORMER - ONE-LINE			
8. THE EC SHALL INSTALL A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN EACH CONDUIT RUN CONDUIT SHALL NOT BE USED AS AN EQUIPMENT GROUNDING CONDUCTOR. THE EC SHALL GROUND THE ELECTRICAL SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.	26. VERIFY EXACT LOCATION(S) OF ALL EQUIPMENT TO BE FURNISHED BY OTHERS PRIOR TO ROUGH-IN. REFER TO THE MECHANICAL SHEETS FOR THE EXACT LOCATION OF THE MECHANICAL EQUIPMENT.	MCB PANEL - ONE-LINE	MOUNT XFMR - ONE-LINE			
9. CONDUIT LAYOUTS SHOWN ON THE PLANS ARE DIAGRAMMATIC, NOT INDICATING THE ROUTING REQUIRED. THE EC SHALL ROUTE THE CONDUITS AS REQUIRED BY THE CONDITIONS OF THE INSTALLATION AND SHALL COORDINATE WITH DUCTWORK, PIPING, EQUIPMENT, BUILDING STRUCTURE, AND OTHER POTENTIAL OBSTRUCTIONS	27. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT DIMENSIONS AND LOCATIONS BEFORE BEGINNING ROUGH-IN. CONSULT CONTRACT DOCUMENT DRAWINGS AND SHOP DRAWINGS TO VERIFY AND MAINTAIN REQUIRED CLEARANCES.	AUTOMATIC TRANSFER SWITCH	DUND SLEEVE - ONE-LINE			
10. THE CONTRACTOR SHALL ALLOW THE MOVEMENT, BEFORE ROUGH-IN, OF ANY ELECTRICAL PANEL	28. CONTRACTOR SHALL VERIFY ACTUAL ELECTRICAL LOADS FROM NAMEPLATE RATINGS OF EACH PIECE OF EQUIPMENT REQUIRING POWER. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE	CT ENCLOSURE - ONE-LINE	ED DISCONNECT - ONE-LINE			
DEVICE, ETC. A DISTANCE OF 10' WITHOUT REQUIRING ADDITIONAL COST TO THE PROJECT.	PROJECT ENGINEER. FINAL CONNECTIONS TO EQUIPMENT SHALL BE MADE AS PER		ED SWITCH			
11. THE EC SHALL SECURE ALL CONDUIT AND TROUGHS TO THE STRUCTURE AS IT IS SET IN PLACE	SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL MATERIALS AND EQUIPMENT		DUND			
USING INDUSTRY STANDARD METHODS AND PRACTICES. TO ASSURE ALL DEVICES ARE RIGIDLY SET, THE ELECTRICAL CONTRACTOR SHALL SECURE ALL DEVICE BOXES WITH BRACKETS. HANGER	COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED. THE ELECTRICAL CONTRACTOR SHALL VERIFY	OH RISER XXX CABL	LE/WIRE SIZE TAG			
ETC. DESIGNED FOR THE APPLICATION.	FURNISHED UNDER OTHER DIVISIONS WITH APPROVED SHOP DRAWINGS PRIOR TO BEGINNING	$\langle X \rangle$ KEYED NOTE TAG	ETAIL/VIEW NUMBER			
12. MINIMUM SIZE CONDUIT SHALL BE #12 AWG UNO. CONDUIT INSTALLED WITHIN THE BUILDING IN DE	ROUGH-IN.	$\langle XX \\ X \rangle$ MECH/ELEC. EQUIPMENT TAG	ETAIL/VIEW REFERENCE TAG			
LOCATIONS WITHIN WALL, CEILINGS, OR EXPOSED NOT SUBJECT TO PHYSICAL DAMAGE SHALL BE	29. DETAILS ARE SHOWN ON DIFFERENT SHEETS. THE CONTRACTOR SHALL REFER TO THOSE DETAILS	X OTHER EQUIPMENT TAG	HEET NUMBER			
EMT WITH STEEL SET SCREW FITTINGS. IN EXTERIOR LOCATIONS THE CONDUIT SHALL BE EMT WITCOMPRESSION GLAND TYPE FITTINGS. UNDERGROUND CONDUIT SHALL BE PVC (SCH. 40) WITH GF	I H     WHETHER OR NOT CALLED IN REFERENCE NOTES.       RC     I	WIRING / CONDUIT	UNDERGROUND/FLOOR WIRIN			
ELBOWS AND RISERS WRAPPED IN CORROSION RESISTANT MATERIALS WHERE IN DIRECT CONTAC	30. USE EPOXY ANCHORS TO SUPPORT THE ELECTRICAL EQUIPMENT. EXPANSION ANCHOR BOLTS ARE	CONDUIT TURNED UP	CONDUIT TURNED DOWN			
	NOT ACCEPTED.		EADS INDICATE # OF CIRCUITS			
13. FLEXIBLE CONDUIT SHALL BE LIMITED TO CONNECTIONS TO LIGHT FIXTURES AND FINAL CONNECTIONS TO MOTORS OR OTHER EQUIPMENT SUBJECT TO VIBRATION. LENGTHS OF FLEXIBL OR SEAL-TITE CONDUIT SHALL NOT BE GREATER THAN 24"	.E 31. AT THE END OF THE JOB. PROVIDE BLANK COVER PLATES TO MATCH THE OTHER COVER PLATES FOR ALL JUNCTION BOXES WHERE DEVICES HAVE NOT YET BEEN INSTALLED.	(SEPARATE NEUTRAL PER CIRCUIT). BOTH EX. I	INCLUDE AN EQUIP. GROUND			
14. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL EMPTY CONDUITS WITH 100KG RATED NYLON PULI	32. ALL MATERIALS USED IN THIS INSTALLATION SHALL BE U.L. APPROVED OR EQUIVALENT AND NEW.	1. USE HEAVY DUTY FOR 480 VOLT.				
CORD.	33. THE ELECTRICAL CONTRACTOR SHALL TERMINATE THE ELECTRICAL CONNECTIONS TO ALL THE	ABBREVIATIONS				
15. BEFORE ANY ELECTRICAL CONDUIT, BOXES, ETC. ARE COVERED (FLOOR, CEILINGS, WALLS, ETC.),	EQUIPMENT BY PROVIDING THE NECESSARY MALE/FEMALE CONNECTOR, RECEPTACLE, PLUG, ETC.	AFCI - ARC FAULT CKT INTERRUPTER MCC - MOTOR	R CONTROL CENTER			
THEY SHALL BE APPROVED BY THE INSPECTING OFFICER (INSPECTOR).	34. CONTRACTOR TO ENSURE THAT ALL AREAS OUTSIDE OF CONSTRUCTION AREA ARE KEPT CLEAN	AFF - ABOVE FINISHED FLOOR MDP - MAIN D AFG - ABOVE FINISHED GRADE MLO - MAIN LU	DISTRIBUTION PANEL			
16. WHERE WIRE SIZE IS NOT SHOWN ON THE DRAWINGS FOR 20A, 120VAC BRANCH CIRCUITS, THE	AND CLEAR OF DEBRIS AND OBSTRUCTIONS AT ALL TIMES.	AIC - AMPS INTERRUPTING CAPACITY MOCP - MAX.	OVERCURRENT PROTECTION			
CIRCUIT SHALL CONSIST OF (2) #12 (CU,THHN) + (1) #12 (CU,THHN) GND IN 3/4" EMT CONDUIT OR TROUGH. THIS WIRE SIZE SHALL BE INCREASED TO #10 (CU THHN) FOR BRANCH CIRCUITS WITH	35. ANALOG SIGNAL WIRE SHALL BE 2 CONDUCTOR 18AWG TWISTED SHIELDED WIRE WITH SHIELD	AL - ALUMINUM (N) - NEW ATS - AUTOMATIC TRANSFER SWITCH NIC - NOT IN C	CONTRACT			
OVERALL LENGTHS EXCEEDING 125 FT. TO ACCOMMODATE FOR VOLTAGE DROP. REFER TO EQUIPMENT SCHEDULES, FEEDER SCHEDULES, AND NOTES ON DRAWINGS FOR ALL OTHER BRANC	CH DRAIN, FOR NON-LOOP POWERED INSTRUMENTS AND SIGNALS. INSTRUMENTS THAT REQUIRE 24VDC LOOP POWER SHALL HAVE MINIMUM 3 CONDUCTORS WITH SHIELD AND DRAIN WIRE.	BC - BARE COPPERNEC - NATIONBFC - BELOW FINISHED CEILINGNFPA - NATIOBFG - BELOW FINISHED GRADENL - NIGHT LIC	NAL ELECTRICAL CODE DNAL FIRE PROT. ASSN. IGHT			
GIRGUIT AND FEEDER WIRE/GUNDUIT SIZING.	36. DIGITAL CONTROL SIGNAL WIRE MAY BE 18AWG MULTI-CONDUCTOR CABLE WITH WATER TIGHT	CKT - CIRCUIT NR - NOT REG	QUIRED			
	JACKEI.		) SCALE			

	ELECTRICAL SHEET INDEX
WE-0.00	ELECTRICAL GENERAL NOTES SHEET
WE-1.00	OVERALL SITE PLAN
WE-1.01	POOL AND SPAS ELECTRICAL PLAN
WE-2.01	MECHANICAL ROOM POWER PLAN
WE-4.01	MAIN MECHANICAL ROOM INPUT DETAILS
WE-4.02	MAIN MECHANICAL ROOM OUTPUT DETAILS
WE-5.01	ELECTRICAL DETAILS
WE-5.02	ELECTRICAL DETAILS
WE-5.03	ELECTRICAL DETAILS
WE-5.04	ELECTRICAL DETAILS
WE-6.01	ELECTRICAL SCHEDULES
WE-7.01	ONE-LINE DIAGRAM

NR - NOT REQUIRED NTS - NOT TO SCALE PC - PLUMBING CONTRACTOR PH - PHASE PNL - PANEL POC - POINT OF CONNECTION POS - POINT OF SALE (R) - RELOCATED REC - RECEPTACLES RMC - RIGID METAL CONDUIT SCA - SHORT CIRCUIT AMPERES SES - SERVICE ENTRANCE SWITCHGEAR SPD - SURGE PROTECTIVE DEVICE TL - TWIST LOCK TTB - TELEPHONE TERMINAL BOARD TR - TAMPER RESISTANT TYP - TYPICAL UNO - UNLESS NOTED OTHERWISE VA - VOLT/AMPS VIF - VERIFY IN FIELD VR - VANDAL RESISTANT WP - WEATHERPROOF/NEMA 3R WU - FURNISHED WITH UNIT XFMR - TRANSFORMER CKT - CIRCUIT CND. OR C. - CONDUIT CLG - INSTALLED IN CEILING C.R. - CORD REEL CT - CURRENT TRANSDUCER CU - COPPER (E) - EXISTING TO REMAIN EC - ELECTRICAL CONTRACTOR EM - EMERGENCY (F) - FUTURE FACP - FIRE ALARM CONTROL PANEL FLA - FULL LOAD AMPS FVNR - FULL VOLTAGE NON REVERSING GC - GENERAL CONTRACTOR GC - GENERAL CONTRACTOR GFCI - GROUND FAULT CKT INTERRUPTER GND - GROUND HP - HORSEPOWER IG - ISOLATED GROUND KW - KILOWATTS LCP - LIGHTING CONTROL PANEL LCF - LIGHTING CONTROL FANLL LTG - LIGHTING LV - LOW VOLTAGE MC - MECHANICAL CONTRACTOR MCA - MINIMUM CIRCUIT AMPS MCB - MAIN CIRCUIT BREAKER

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		Lerch Bates 19515 North Creek Parl Bothell, WA 98011 <u>Structural Engineer</u> Magnusson Klemenci 1301 5th Ave, Suite 320	kway, Suite 304 <b>c Associates</b>
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		Studio Pacifica 2144 Westlake Ave N, S Seattle, WA 98109 <u>MEP Engineer</u> WSP USA 1001 Fourth Ave., Suite Seattle, WA 98154	Suite F
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		Midvale, Utah 84047 <u>Specifications Writer</u> Friday Group 88 Mainelli Road Middlebury, VT <u>Code Consultant</u> Holmes 600 1st Avenue, Suite 20 Seattle, WA 98104	0A
		Fire Protection Engineer Jensen Hughes One Research Drive, Suit Westborough, MA 01581 Vertical Transportation Co Lerch Bates 19515 North Creek Parkw Bothell, WA 98011 Structural Engineer Magnusson Klemencic A 1301 5th Ave, Suite 3200	te 305C onsulatant vay, Suite 304 Associates
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	SPA PUMPS & CONTROL PANEL LOCATED IN THE MAIN MECHANICAL ROOM. SEE DETAILS 1-3/WE-5.02. 6. CONTINUE CONTROL WIRING BACK TO PLC. <b>GENERAL NOTES</b> A. ALL CONDUIT IS TO BE BURIED IN ACCORDANCE WITH NEC TABLE 300.5 UNLESS OTHERWISE NOTED ALL CONDUIT RUNS SHALL HAVE RED MARKING TAPE BURIED 12° ABOVE CONDUIT RUNS. B. ALL TRENCHING SHALL BE BACKFILLED TO MATCH SURROUNDING GRADE.	Reserved for bermit stamp Beatter, Washington St, Suite 600 Seattle, Washington 98104 USA 1206 624 5670 olsonkundig.com Project: PROJECT NAME T BLANC PROJECT ADDRES
		White Summit Development, LLC PO Box 980022 Park City, Utah 84098 Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101 CECEVER PERFECTED VATER PERFECTED VATER PERFECTED VATER PERFECTED VATER PERFECTED VATER PERFECTED VATER PERFECTED VATER PERFECTED Specifications Writer
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	<ul> <li>KEYED NOTES</li> <li>SEE DETAIL 7/WE5.03 FOR MORE INFORMATION.</li> <li>PROVIDE (1) 21mm C AND A 2-1.3mm CONDUCTOR FROM MOTORIZED ACTUATOR BACK TO THE PLC.</li> <li>ALL EQUIPMENT NEEDS TO BE RATED NEMA 3R OR BETTER.</li> <li>PROVIDE A GALVANIZED DRIP SHIELD OVER THE DISCONNECT.</li> <li>CONFIRM EXACT LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.</li> <li>PROVIDE A P1000 UNISTRUT SUPPORT RACK FOR MOUNTING OF PUMP STARTER. RACK IS TO HAVE VERTICAL SUPPORTS HELD IN PLACE UTILIZING THE FLOOR CONCRETE. SEE DETAIL 9-WE5.11 FOR MORE INFORMATION.</li> </ul>	No. 7945859-2202	AND CHARTER AND CH
	A. COORDINATE MOUNTING HEIGHTS OF ALL EQUIPMENT WITH ARCHITECTURAL DRAWINGS AND MILL WORK CONTRACTOR PRIOR TO ROUGH IN. B. VERIFY AND COORDINATE EXACT ELECTRICAL REQUIPMENT OF ALL EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS PRIOR TO INSTALLATION OF EQUIPMENT.	Iso south Jackson St, Suite 600 159 South Jackson St, Suite 600 150 South Jackson St, Suite 60	PROJECT ADDRESS
		White Summit Developme PO Box 980022 Park City, Utah 8403         Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101         CECECENTIC VATER PERFECTED         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2966 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         2969 N. University Ave, Sec 290, Prov UT 84644, Tel: +1.201.375.1223 • www.clowardit2com         Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT         Code Consultant Holmes 600 1 st Avenue, Suite 200A Seattle, WA 98104         Fire Protection Engineer Jensen Hughes One Research Drive, Suite 305C Westborough, MA 01581         Vertical Transportation Consultata Lerch Bates 19515 North Creek Parkway, Suite Bothell, WA 98011	e 100
4'		Structural Engineer         Magnusson Klemencic Associa         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         CH20         project manager         AP         drawn by         RB/AD         checked by         MCE         job no.         XXXX         date         O5/17/20	tes
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						Specifications writer         Friday Group         88 Mainelli Road         Middlebury, VT         Code Consultant         Holmes         600 1st Avenue, Suite 2         Seattle, WA 98104	
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	White Summit Dev PO Box 98 Park City, Uta	elopment, LLC 30022 ah 84098
	Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101 CLOWARE WATER PERFEC 2696 N. University Ave, Ste. 290, Pr Tel: +1.801.375.1223 • www. Landscape Architect EPG Design 6949 South High Tech D Midvale, Utah 84047	ovo UT 84604, USA Jowardh2o.com
	Specifications Writer         Friday Group         88 Mainelli Road         Middlebury, VT         Code Consultant         Holmes         600 1st Avenue, Suite 20         Seattle, WA 98104         Fire Protection Engineer         Jensen Hughes         One Research Drive, Sui         Westborough, MA 01581	00A ite 305C
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URE TYP.)		Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101         CLOWARCE WATER PERFORMENT COMMENDATION AND ADDRESS Seattle, WA 98101         Landscape Architect EPG Design 6949 South High Tech Dr Midvale, Utah 84047         Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT         Code Consultant Holmes 600 1st Avenue, Suite 20 Seattle, WA 98104         Fire Protection Engineer Jensen Hughes One Research Drive, Suit Westborough, MA 01581         Vertical Transportation C Lerch Bates 19515 North Creek Parkw Bothell, WA 98011         Structural Engineer Magnusson Klemencic. 1301 5th Ave, Suite 3200 Seattle, WA 98103         Accessibility Consultant Studio Pacifica 2144 Westlake Ave N, Su Seattle, WA 98103         Accessibility Consultant Studio Pacifica 2144 Westlake Ave N, Su Seattle, WA 98103         MEP Engineer WSP USA 1001 Fourth Ave., Suite 3 Seattle, WA 98109         MEP Engineer WSP USA 1001 Fourth Ave., Suite 3 Seattle, WA 98104         MEP Engineer WSP USA 1001 Fourth Ave., Suite 3 Seattle, WA 98104         MEP Engineer WSP USA 1001 Fourth Ave., Suite 3 Seattle, WA 98154         Principal architect _C project manager_A drawn by_R ipb no. X date 0         Marken by_R ipb no. X date 0	Image: Construction of the second
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		White Summit Dev PO Box 98 Park City, Uta	<b>elopment, LLC</b> 30022 ah 84098
		Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101 CLOWARE WATER PERFEC 2696 N. University Ave, Ste. 290, Pr Tel: +1.801.375.1223 • www.	ovo UT 84604, USA clowardh2o.com
		EPG Design 6949 South High Tech D Midvale, Utah 84047 Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT Code Consultant Holmes 600 1st Avenue, Suite 20	rive, Suite 100
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		Structural Engineer Magnusson Klemencic 1301 5th Ave, Suite 3200 Seattle, WA 98101 Lighting Designer O- 1319 SE MLK Blvd, Suite Portland, Oregon 97219 Building Envelope Const	Associates ) ⇒ 210 <u>ultant</u>
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3	FILTER F-101		2600	30	1		2700		-	-	100		
5	OZONATOR OZ	2-101	200	20	1			1700	1	20	1500	HEATER H	-301
7	OZONATOR OZ	2-102	200	20	1	1700			1	20	1500	SPA 2 CHE	MICAL SYSTEM 301
9	HEATER H-101		1400	20	1		1900		1	20	500	LGT - POO	L
11	POOL CHEMIC	AL SYSTEM 101	1500	20	1			2000	1	20	500	LGT - SPA	1
13	LEVEL CONTRO	ULERS 101-301	500	20	1	1000			1	20	500	LGT - SPA	2
15	OZONATOR OZ	2-201	100	20	2		100		0	0	0	SPACE	
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19	HEATER H-201		1500	20	1	1500					0	SPACE	
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RECE	PTACLE	0	0			100	% x	0		+ 5	0% x	0	
мото	DR	0	3,800			125	% x	2600		+ 10	00% x	1200	
FIXED	HEAT	0	4,400			100	% x	4400					
A/C		0	0			100	% x	0					
KITCH	HEN EQUIP.	0	0			100	% x	0					
MISC		0	8,020			125	% X	0		+ 10	00% x	8020	
										1	OTAL DEM	AND LOAD:	16,

# EQUIPMENT SCHEDULE

PANEL NOTES

						EL							STARTER	OVERCURREN		
		V				MCA		MOCD	CONDUIT	WI	RE	GND.	NEMA	DISCONNECT	FUSE	БГ
MARK	DESCRIPTION			KVV				MOCP	SIZE	ΟΤΥ.	SIZE	SIZE	SIZE	SIZE/POLE	SIZE	RE
POOL FC							1	1			1					
P-101		480	3	5.6	7 1/2		6.7	20	3/4"	3	12	12	VFD	-		
P-102	BOOSTER PUMP	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	00	-	-	
F-101	FILTER	120	1	2.6	3 1/2		21.7	30	3/4"	2	10	10	-	-	_	
OZ-101	OZONATOR	120	1	0.2	,		1.7	20	3/4"	2	12	12	-	-	-	
OZ-102	OZONATOR	120	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
H-101	HEATER	120	1	1.4			11.7	20	3/4"	2	12	12	-	-	-	
CF-101	CHLORINE FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
CF-102	pH FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
CC-101	CHEMICAL CONTROLLER	120	1	1.1			9.2	20	3/4"	2	12	12	-	-	-	
LC-101	LEVEL CONTROLLER	120	1				1	20	3/4"	2	12	12	-	-	-	
SPA 1 EC	UIPMENT						•				•					
P-201	TREATMENT PUMP	480	3	1.5	2		1.8	20	3/4"	3	12	12	VFD	-	-	
P-202	FEATURE PUMP	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	VFD	-	-	
OZ-201	OZONATOR	208	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
H-201	HEATER	120	1	1.5			12.5	20	3/4"	2	12	12	-	-	-	
CF-201	CHLORINE FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
CF-202	pH FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
CC-201	CHEMICAL CONTROLLER	120	1	1.1			9.2	20	3/4"	2	12	12	-	-	-	
LC-201	LEVEL CONTROLLER	120	1				1	20	3/4"	2	12	12	-	-	-	
BL-201	BLOWER	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	00	-	-	
SPA 2 EC	QUIPMENT															
P-301	TREATMENT PUMP	480	3	1.5	2		1.8	20	3/4"	3	12	12	VFD	-	-	
P-302	FEATURE PUMP	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	VFD	-	-	
OZ-301	OZONATOR	208	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
H-301	HEATER	120	1	1.5			12.5	20	3/4"	2	12	12	-	-	-	
CF-301	CHLORINE FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12	-	-	-	
CF-302	pH FEED PUMP	120	1	0.2			1.7	20	3/4"	2	12	12	-	-		
CC-301	CHEMICAL CONTROLLER	120	1	1.1			9.2	20	3/4"	2	12	12	-	-	_	
LC-301	LEVEL CONTROLLER	120	1				1	20	3/4"	2	12	12	-	-		
BL-301	BLOWER	480	3	1.1	1 1/2		1.4	20	3/4"	3	12	12	00	-	-	
NOTE: CO	OORDINATE FINAL EQUIPMENT (	CONNECT	ions v	VITH EQ	JIPMENT	PROVIDE	R PRIOR	TO ROU	GH-IN. VERIF	Y ALL M	10UNTI	NG HEI	GHTS.			
REMARKS	:															
1. FUSED	DISCONNECT SWITCH				10. OZO	NE CONT	ROL PAN	EL				13. DI	RECT CONNE	CTION		
2. NON-FU	JSED DISCONNECT SWITCH				11. VAR	IABLE FR	EQUENC	/ DRIVE				14. DL	ICT DETECTO	or in return duc	T	
3. BREAKE	ER IN ENCLOSURE				12. REC	EPTACLE,	/SPECIAL	. Purpos	E OUTLET/E	ГC.		15. SV	ИПСН МІТН	LIGHTS		
4. THERM	AL OVERLOAD SWITCH															
5. TOGGLI	E SWITCH				A. FURN	ISHED, I	VSTALLEI	D AND CC	NNECTED U	NDER DI	VISION	26				
6. MAGNE	TIC STARTER				B. FURN	ISHED AN	ND INSTA	LLED UNE	DER ANOTHE	r divis	ION RE	QUIRIN	IG CONNECTI	ON UNDER DIVISIO	JN 26	
7. Magne	TIC STARTER/NON-FUSED DISC	ONNECT	SWITC	ЭН	C. FURN	ISHED U	NDER AN	other di	VISION BUT	INSTAL	LED AN	D CON	NECTED UND	ER DIVISION 26		
8. MAGNE	TIC STARTER/FUSED DISCONNE	СТ СОМІ	BINATI	ON	D. FURN	ISHED, I	ISTALLE	d, and co	ONNECTED U	NDER A	NOTHE	r divis	SION			
9. MAGNE	TIC STARTER/BREAKER COMBIN	IATION			E. FURN	ISHED AN	ID INSTA	LLED UND	DER DIVISION	1 26 RE	QUIRIN	g coni	NECTION UNE	DER ANOTHER DIV	ISION	

I		and and a second
IPTION         Q           1         2           4         6           SYSTEM 301         8           10         12		DAVID W. THE OF UT AT THE OF U
14         16         18         20         22         24         26         28         30         32         34         36         38         40		159 South Jackson St, Suite 600 Seattle, Washington 98104 USA +1 206 624 5670 olsonkundig.com
42       DEMAND LOAD       0       0       0       4,450       4400       0       8,020       16,870       VA       47		ME : SOMMET BLANC
ENT PROTECTION T FUSE SIZE		Project PROJECT NA PROJECT ADDRES
-     6A       -     13A       -     10C       -     10C       -     10C       -     12A       -     12A       -     12A       -     12A       -     12A       -     11A       -     11A		
-       10C         -       5A         -       12A         -       11A         -       11A         -       10C		White Summit Development, LLC PO Box 980022 Park City, Utah 84098
- 5A - 12A - 12A - 12A - 12A - 12A - 6A		1932 1st Ave, Suite 620 Seattle, WA 98101 CCCCCARECTED VATER PERFECTED 2696 N. University Ave, Ste. 290, Provo UT 84604, USA Tel: +1.801.375.1223 • www.clowardh2o.com Landscape Architect EPG Design 6949 South High Tech Drive, Suite 100 Nidels - Utable 20047
ISION 26		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 305C Westborough, MA 01581 Vertical Transportation Consulatant Lerch Bates 19515 North Creek Parkway, Suite 304 Bothell, WA 98011
		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 08102
		Accessibility Consultant Studio Pacifica 2144 Westlake Ave N, Suite F Seattle, WA 98109 <u>MEP Engineer</u> WSP USA 1001 Fourth Ave., Suite 3100 Seattle, WA 98154
		principal architect <u>CH2O</u> project manager <u>AP</u> drawn by <u>RB/AD</u> checked by <u>RMCE</u> job no. XXXXX date 05/17/2024
		DRAWING STATUS IFC SET 2 OF 3 05/17/2024
		electrical schedules WE-6.01

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![](_page_39_Figure_3.jpeg)

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![](_page_39_Figure_8.jpeg)

![](_page_39_Figure_9.jpeg)

PANEL 'L1' 120/208V, 3 PHASE, 70A, 22KAIC, NEMA 3R BY DIVISION 26 POOL SUBCONTRACTOR

![](_page_39_Figure_11.jpeg)

I	I	I	Ι	Ι	Ι	I	

	COI	NDUIT/	COND	UCTOF	R SCHE	DULE	
				COND	UCTORS (T	OTAL)	
RK	AMPS	CONDUIT	CU/AL	PHASE	NEUTRAL	GROUND	NOTES
12	20	3/4"	CU	12	12	12	1
03	200	2"	CU	(3) 3\0	3\0	6	1
3G	-	-	CU	-	-	3/0	2
88	40	1"	CU	(3)8	-	10	1
4	70	1-1/4"	CU	(3)4	4	8	1
G	-	-	CU	-	-	8	2
<u>OTES</u> CC GF GF	<u>:</u> NDUCTO ROUNDING ROUNDING	R INSULATIO G ELECTROI G ELECTROI	ONS TO B DE CONDU DES.	E RATED TH JCTOR TO E	IWN-2/THHN BE BONDED	I 90°C. TO ALL AVA	ILABLE

AVAILABLE FAULT C	URRENTS
A ESTIMATED AT 22,439A	B 15,535A

	C 14,521A

<ul> <li>(#) KEY</li> <li>1. SEE WIRE SIZE IN THE</li> <li>2. PROVIDE A NAME PLA SERVICE DISCONNEC AND THE DATE WHICH PERFORMED (05/05/22</li> <li>3. PROVIDE NEMA 3R OF</li> <li>GENE</li> <li>A. COORDINATE EXACT ALL EQUIPMENT WITH RECOMMENDATIONS</li> <li>B. ALL ELECTRICAL EQU</li> </ul>	ED NOTES E EQUIPMENT SCHEDULE. TE ON EACH ELECTRICAL T WITH AVAILABLE FAULT T THE CALCULATIONS WE 2) PER NEC 110.24. R BETTER ENCLOSURE. ELECTRICAL REQUIREME MANUFACTURERS PRIOR TO INSTALLATION JIPMENT SHALL BE RATEE	ENTS OF	No. 79458	59-2202 W. France W. Franc
		R	Obsouth Jackson St, Suite 600 Seattle, Washington 98104 USA 1 206 624 5670 olsonkundig.com	project: PROJECT NAME : SOMMET BLANC PROJECT ADDRESS
		V	Vhite Summit De PO Box S Park City, U	<b>velopment, LLC</b> 980022 tah 84098
			Acoustic Consultant BRC Acoustics 1932 1st Ave, Suite 620 Seattle, WA 98101 CLOWAR WATER PERF 2696 N. University Ave, Ste. 290 Tel: +1.801.375.1223 • ww Landscape Architect	D D E C T E D Provo UT 84604, USA w.clowardh2o.com
			EPG Design 6949 South High Tech Midvale, Utah 84047 Specifications Writer Friday Group 88 Mainelli Road Middlebury, VT <u>Code Consultant</u> Holmes 600 1st Avenue, Suite Seattle, WA 98104	Drive, Suite 100
			Fire Protection Enginee Jensen Hughes One Research Drive, S Westborough, MA 0156 Vertical Transportation Lerch Bates 19515 North Creek Par Bothell, WA 98011 Structural Engineer Magnusson Klemenci	er suite 305C 31 <u>Consulatant</u> kway, Suite 304
			1301 5th Ave, Suite 32 Seattle, WA 98101 Lighting Designer O-	00
			1319 SE MLK Blvd, Su Portland, Oregon 9721 Building Envelope Con RDH	ite 210 9 <u>sultant</u>
			2101 N 34th St Seattle, WA 98103 Accessibility Consultan Studio Pacifica	<u>t</u>
			2144 Westlake Ave N, Seattle, WA 98109 <u>MEP Engineer</u> <b>WSP USA</b>	Suite F
			Seattle, WA 98154	0//22
			principal architect_ project manager_ drawn by_ _	AP RB/AD
			checked by_ job no. date revisions:	RMCE XXXXX 05/17/2024
			DRAWING IFC SET : 05/17/	STATUS 2 OF 3 2024
			ONE-LINE	DIAGRAM
			WE—	7.01