RFI #	RFI Title	RFI Scope	RFI Response Provided - General	RFI Issuance Date	Updated Sheets Issued	Critical RFI?
13	Drinking Fountain and Bottle Filler Supply	Please provide equipment tags for drinking fountain shown in lobby and bottle filler shown in Fitness Room. Supply water lines also necessary.	Drinking fountains added to lobby and ski locker and bottle filler added to gym area	3/27/2024	P1.00, P1.01	UPDATES
16	Mechanical and Plumbing Seismic Design Catagory	Per issue response MEP trades are to be coordinated under a factor of 1 while fire safety has factor of 2. Note 24 on P0.01 and note 23 on M0.01 still call out "Category C"	Mechanical and Plumbing drawings updated to confirm response to code importance factor noted.	3/27/2024	M0.01, P0.01	LIFE SAFETY
18	Pool Fence Attachment Detail	SCI would like to utilize the pool fence attachment detail per the 100% DD drawing set in lieu of the updated detail 1/L-5.02, due to concerns about the ease and quality of install. In addition, Saunders would recommend adding a horizontal HSS tube to align the pickets more easily. Please reference the attached sketch for proposed revised detail.	Pool fence detail updated as requested.	3/27/2024	L-5.02	UPDATES
19	Garage Entry Paving	1. Confirm Snow Melt Limits at entry, area was supposed to decrease by 500sqft 2. Confirm transition limits between concrete types; driveway, regular sidewalk(transformer pad extension), enhanced paving. 3. Define slab thickness and makeup of concrete types; ie Vehicle driveway should be 8" concrete w/ #4 bar for on 4" insulation. Concrete at transformer pad extension to be type D 5" thick with WWF. 4. Provide full depth section/detail for the snowmelt section. (Issue 193)	Scope of snowmelt confirmed between trades.	3/27/2024	C.500, L-1.01, L-2.00, L-5.01	UPDATES
29	Storefront U Value	Build #207 - Per issue response an overall u-value of .30 for the storefront windows and an overall u-value of .46 of the storefront doors are acceptable.	Confirmed.	3/27/2024	A6.02, A6.04	UPDATES
33.1	Pool Area Drainage	The pool deck appears to have storm piping below grade, but there are no surface area inlets. Additionally, some of the pipe routing along with termination points are unclear. Please advise if area inlets are needed and how they tie into storm piping system.	Civil and landscape drawings updated to show inlets as noted.	3/28/2024	C.001, C.301, C.314, L-2.00	UPDATES
35	Motorized Fire Smoke Damper	Build #186 - Sheet 3/E6.02 indicates electric fire smoke dampers to be provided with a duct detector, test station and relay to monitor and activate fire smoke dampers. 6/M6.00 shows the fire smoke dampers as equipped with a fusible link.	Mechanical detail 6/M6.00 updated to coordinate with electrical.	3/28/2024	M6.00	UPDATES
39	Carbon Monoxide Detectors	Build #162 - In issues response the referenced email from Todd Carr confirms no carbon monoxide detectors are not required.	Confirmed and electrical drawings updated to reflect this change.	3/29/2024	E2.00 - E2.17	LIFE SAFETY
43	Pool Access Electric	Build #128 1. Does the west pool gate need electric raceway for security card readers? If so please add note to drawings to show this. 2. Does patio door 1-04 need card access as well?	Confirmed that the west pool gate needs electric raceway for a security card reader, electrical drawings updated.	3/29/2024	E1.01	UPDATES
45	Garage Entry Canopy Gutter and Downspout Heat Trace	Build #95 - Garage entry canopy gutter and downspout heat trace not shown. Please advise if necessary and update drawings.	Confirmed that heat trace is required where noted, electrical drawings updated.	3/29/2024	E1.01	UPDATES
46	Lighting Detail Tag	Please provide missing detail tag so this detail can be correctly associated with luminaire schedule.	Architectural detailing at garage entry updated to incoroporate lighting detail and further review coordination with other trades in this area.	3/29/2024	A4.24.1, A5.20	UPDATES
53	Elevator Foundation Wall Waterproofing	Sheet S3.12 notes elevator foundation waterproofing by Architecture. Architecture sheets do not call out a vertical wall typical assembly for elevator foundation wall waterproofing.	Wall sections updated to carry waterproofing to bottom of elevator pit as noted.	4/4/2024	A3.11, A4.41.1	UPDATES
55	Foundation Wall Waterproofing	1. 1/A5.10 does not show waterproofing extents relative to footing. Please confirm that vertical waterproofing assembly WS-WC-1 continues down precast face, across top of footing and terminates at top outside edge of footing. 2. Typical below grade waterproofing detail WS-WC-1 shows the drainage board on the outboard side of the foundation insulation. Please confirm drainage board is to be installed between fluid applied water barrier and insulation.	Architectural detailing updated to provide clarity.	4/8/2024	G0.23, A5.10	UPDATES
58	Eye Wash Floor Drain Requirements	EEWS in the mechanical room does not have an immediately adjacent floor drain. Please advise if one of the two nearby floor sinks should be re-located closer to EEWS, or if a dedicated FS should be added.	Floor drain added as noted.	4/19/2024	P1.00U, M2.00	UPDATES
59	Electrical One Line / Unit Panel Loads	1. Please see marked up One Line showing our assumption of breakers within the Meter Stacks for panel ratings of 150Amp and 200Amp. We have assumed based on this drawing that there are 24 200Amp Units and 18 150Amp Units. (Please confirm) 2. When researching the Panel schedules Post-Bid, we noted that there appear to be some loads that are not caught on the panel schedule. Drawing E2.07 represents a 3 BR unit, and corresponding Panel Schedule on E6.16 Do not show the Cooktop load which is a 2Pole 50Amp Breaker. (This seems to be typical). (The concern we have is, the overall load calculation, if these are all unaccounted for in each unit.)	Updates as requested are provided.	4/22/2024	E2.00 - E2.02, E2.04 - E2.05, E2.07, E2.09 - E2.10, E2.12 - E2.13, E2.15, E6.00 - E6.01, E6.05, E6.12 - E6.16	UPDATES
61	Garage Entrance Precast Frame	In order to meet structural frame design criteria and maintain a 2-hr fire rating at exterior walls, the precast panels must carry all loading. Please provide reactions/forces on the panels between GL02-5 and 02-3 at lvl 0 (Garage entrance and Uber Lobby) so that the precast can be engineered to act as required structural frame. It is anticipated that the precast panels will be thickened with the addition of pilasters. Please also provide updated design information on the openings in this sections which will no longer require fire rating.	Updated as noted and previously reviewed.	4/26/2024	G0.13	LIFE SAFETY
62	Ski Locker Column Wraps	The steel columns along GL01-14 at the level 0 ski locker require a 2hr fire rating. Please provide plan view detail and section to show columns wraps to achieve fire rating.	Updates requested provided, along with a review of direction at the ski locker.	4/29/2024	G0.13, G0.25.2, A4.20.1, A5.16, A5.17, A5.17.1, A6.04, E1.00, E1.01	LIFE SAFETY
63	Added Fire Dampers for Wall Penetrations	There are several locations that ductwork penetrates 2hr fire walls. The mech well garage intake, mech well garage exhaust, ski locker ERV intake, and owner storage exhaust all require the addition of fire dampers. Please update sheet M1.00 to include this requirement.	M1.00 updated as noted.	4/29/2024	M1.00	UPDATES
64.1	Non Armored Swale Added Berm	A new sheet (X.1) was provided to SCI on 5/20/24 regarding an added berm at the non-armored rip rap swale. Intent appears to greaten cover over existing electrical and sewer lines by adding a berm to swale. UPDATE AS OF 5/31/24: While grading the berm per the files provided on 5/23/24, it was discovered that the concrete encasement for the (e) duct bank is in conflict with the new design. Please provide the updated files to avoid this conflict.	Updated as noted.	5/20/2024	C.200, C.300, C.310, C.330, C.410, C.420, C.421	UPDATES
65.1	M&P Revised Drawing Set	Original RFI: A revised M&P IFC drawing set dated 5/17/24 has been provided on 5/20/24, please confirm that this set is to be the current contract documents. 5/24/24 Update: Please provide updated Architectural drawings sheets to match the layout shifts necessitated by Mechanical and Plumbing changes.	Updates to project mechanical room as well as organization of M&P systems.	5/20/2024	G0.13, A1.00, A1.10.1, A4.31.1, A4.31.2, A6.04, E2.19, EL1.0W, UPDATES TO FULL MECHANICAL AND PLUMBING SETS	UPDATES
66	6" Hydrant Line Burial Depth	In order to meet the city's burial depth for the new 6" hydrant line, an 18" dropdown off of the main needs to be added. Please confirm this is an acceptable solution.	Confirmed.	5/21/2024	C.200	UPDATES
73	Fire Suppression Underground Pipe	A 6" fire sprinkler UG supply is currently shown. It is Front Range Fire Protection recommendation , and common industry practice to provide an 8" UG to accommodate the upstream pipe size noted in NFPA 20 for a 1,000gpm fire pump, and to minimize pressure loss and limit velocities to 15ft/s in UG pipe when operating up to 150% pumps rated capacity. See attached (FRFP_RFI_01_Fire Sprinkler UG.pdf) for more information.	Fire protection has been upsized to 8" as noted.	5/28/2024	C.200, C2.12	LIFE SAFETY
82	Elec Room Baseboard Heater	The design documents(M1.00) show a electric baseboard heater on the plan north wall of the electric room. This is impeding our Dedicated Electrical Space required by code. This also will impact underground feeds to the equipment on this wall. The Heater will need to be moved. See attached sketches for reference.	Drawings updated to show a wall heater that doesn't conflict with equipment as noted.	6/3/2024	E2.17, E7.00, E7.10, M0.02, M1.00	UPDATES
84	Pool Emergency Phone	Sheet E1.01 show a junction box location for a pool emergency phone. The key note 16 say coordinate final location and connection requirements with Architect prior to rough in.	Updates provided to confirm location of pool emergency phone as requested.	5/29/2024	L-2.00	UPDATES

92	Ski Overflow Drain Type	Detail #5 per A4.11.11 states, "See Mechanical/Details for Linear Drain" and A4.20.1 states, "Slope to Linear Drain, RE: Plumbing" for the drainage system for the ski overflow in the ski locker room. P1.00 only depicts an FD-1 is shown to be installed in this location, not a linear drain. Per the structural drawings (Detail #7 on S3.10) the slab on grade is sloped away from the precast wall panel. To clarify the design intent for this drain location, please confirm the following: 1.Is a linear drain needed in this location, or is a floor drain sufficient? 1.If a linear drain is needed, please provide linear drain specifications and the exact dimensioned location of the linear drain. 2.If the FD-1 is sufficient in this location, please provide the exact dimensioned location for the FD-1.	Architectural drawings updated to coordinate with existing plumbing drawings.	6/3/2024	A4.11.11, A4.20.1	UPDATES
93	GD-1s in Covered Trench	Currently, there is no detail for the cast-in-place covered trench in the garage. To begin modeling the underground plumbing in the garage, more information is needed on this covered trench. Please provide detail for the cast-in-place covered trench, and please include exact civil elevations for the GD-1s to be installed in the bottom of the covered trench.	Architectural and plumbing clarification provided for direction here.	6/3/2024	P1.00U, P1.00, A1.00, A5.10	UPDATES
95	Elevator Sump Drains	Per P1.00U, only a 4" sanitary waste line is shown to service the sump pits of Elevators A & B. It is assumed that the design intent is to have the elevator sumps directly gravity drained into the sanitary waste main. Per IPC301, "Plumbing systems shall not be located in an elevator shaft or in an elevator equipment room. Exceptions: Floor Drains, sumps and sump pumps shall be permitted at the base of the shaft, provided they are indirectly connected to the plumbing system and comply with Section 1003.4." To meet IPC requirements an elevator sump pump will need to be added to both Elevators A & B, and the discharged waste line will need to be indirectly tied into the sanitary waste system. The pumped discharge lines will be penetrating precast cores, and these penetrations need to be coordinated to meet critical MEP BIM coordination schedule dates. Please confirm the following: 1.Please provide sump pump specifications. 2.Elevator A sump pump discharge line will run either overhead/underground to the mechanical room and indirectly drain into a floor sink. 2.1)Location of pump and discharge line will need to be coordinated with the elevator consultant and manufacturer to ensure the pump discharge system doesn't interfere with equipment/equipment clearances. 3.Elevator B sump pump discharge line will run either overhead/underground to the shaft adjacent to the ski locker restroom (see attached for reference) and a receptor with an access panel will be installed in the shaft for the line to indirectly drain to. 3.1)Location of pump and discharge line will need to be coordinated with the elevator consultant and manufacturer to ensure the pump discharge system doesn't interfere with equipment/equipment clearances.	Sump pumps provided at the base of elevator shafts as noted, along with associated sanitary and vent piping.	6/3/2024	P0.03, P1.00U, P1.00	UPDATES
97	MP System Abbreviations & Insulation Clarifications	The various systems labeled HWS/R have different operating temperatures depending on the area of service. In an effort to reduce confusion and clarify design intent for systems and subsequent insulation requirements, MTech proposes to change mechanical pipe system designations per the attached markup. Please confirm the following: 1.The system abbreviations in the attachment are acceptable, if yes, please update the mechanical plans accordingly. 2.Insulation thicknesses for each system listed in the attachment. 3.Confirm insulation is not required for the exterior condenser water piping located in the mezzanine for the AWHPs.	1.The system abbreviations have been updated to match proposed. 2. Pipe Insulation Schedule on M0.01 has been updated. 3. Insulation is required for the exterior condenser water piping located in the mezzanine, RE Pipe Insulation Schedule and spec.	45446	M0.01, M1.00, M2.00	UPDATES
101	Beam Sizes and Locations	See attached S1.11.5 requesting information for column sizes and beam/column locations in blue.	Refer to revised sheet attached with additional dimensions provided where requested.	45446	S1.11.5	UPDATES
105	TD1 at Garage Entry	P1.00 shows the TD1 to be installed in line with the entry of the garage. The Architectural/Civil/Structural drawings do not mention or depict a trench drain at the garage door opening. Detail #3 on S3.10 shows rebar embedded in the slab where the TD1 is supposed to be installed per the plumbing drawings and also calls for the exterior gradepaving to be slopped away from the garage door/TD1. C.301 also shows the garage drive to be sloped away from the door (4%) and (2) storm drain catch basins downstream of the garage door. To clarify the design intent and to ensure the structural integrity of the building, please advise the following: 1.Please confirm if a trench drain is required at the garage door opening. 2.If TD1 is required, Provide a location for the TD1 that doesn't conflict with the embedded rebar in the slab/ stem at the garage entry.	The trench drain has been removed from the project scope per ownership direction. Please refer to RFI #93 for confirmation on closeout of garage drainage	45447	P1.00, P1.00U	UPDATES
107	SOI Vent Relocation	Per 2018 IPC 903.2 Frost closure, "Where the 97.5-percent value for outdoor design temperature is 0°F (-18°C) or less, vent extensions through a roof or wall shall be not less than 3 inches (76 mm) in diameter. Any increase in the size of the vent shall be made not less than 1 foot (305 mm) inside the thermal envelope of the building." Per P1.00, the (2) sand oil interceptor (SOI) vents are shown to be 2" at the exterior penetration. Please confirm if the (2) vents for SOI should be upsized to 3" ONLY at the exterior penetration. Per 2018 IPC 903.5 Location of vent terminal, "An open vent terminal from a drainage system shall not be located directly beneath any door, openable window, or other air intake opening of the building or of an adjacent building, and any such vent terminal shall not be within 10 feet (3048 mm) horizontally of such an opening unless it is 3 feet (914 mm) or more above the top of such opening."	1.Vents should be upsized to 3" at the exterior penetrations. 2. It is our understanding that the current location being below the inoperable window portion meets the intent of the IPC and that the proposed shift will put the outlets closer to the operable windows and potentially affect an additional set of operable windows.	45454	P0.03, P1.00, P6.00	UPDATES
108	Garage OH Sanitary Waste Redesign	P1.00 shows all of the sanitary waste branch piping running overhead and then connecting to the 6" main that runs along the south wall of the garage. If the sanitary waste is installed per this design, multiple parking spots would be lost due to the invert of the 6" main above parking spot #29. MTech has identified a potential solution by adding (6) 4" risers to the basement level, and the risers would then be combined underground into (3) 6" runs that connect to the 6" sanitary waste main underground. In an effort to avoid losing a parking space please confirm the following: 1. The proposed redesign of the sanitary waste system on P1.00U and P1.00 is acceptable. 2. If the proposed redesign is acceptable, how are the additional plumbing riser on P1.00 to be protected?	After coordination with architect and structural design, sanitary mains in question have been rerouted to drop near the stair core to avoid foundation overlap and maintain parking access.	45454	P1.00, P1.00U	UPDATES
112	Surface Mounted Conduit - Precast	As discussed during 6/12 RFI & Submittal coordination call, it was agreed that surfacing mounting electrical conduit and boxes on the precast panels at all locations is most logical for constructability and future maintenance.	A1.00 has been updated to provide furred out walls in areas as noted. Outside of areas where a finished furring wall is provided, surface mounting of equipment on precast is acceptable.	45456	A1.00	UPDATES
119	Door Openings at ADA Units	a) We identified units 109 and 206 to be ADA only. Please verify that this assessment is accurate and complete. b) We did not find specific ADA door opening sizes. Please guide/provide us with that information.	Confirmed that units 109 and 206 are the only type A units for this project. We've reviewed the ADA door clearance requirements and updated as noted in the attached PDF.	45461	A4.02.2, A4.06.3, A4.06.4, A6.03	UPDATES

124	Pool Equipment Room Updates	Per owner direction on 6/19, the bike storage room is getting dissolved and the pool equipment (filters, pumps, PH&SANI, eye wash) are getting relocated to that space. The ductwork and electrical in that room remains, and a floor drain and door should be added. In order to maintain BIM coordination schedule, please provide updated architectural floor plan and model showing new wall layout. Please also advise height parameters for intake ductwork system and confirm that equipment selection and materials are acceptable for use in same space as pool equipment. Equipment layout in pool room and mechanical room will be determined through contractor BIM coordination.	1. Updated wall enclosing new pool room with door added and other associated changes. 2. Removal of bike storage from new pool room and revisions to bike storage outside of trash room. 3. Updates to door schedule as required for added door. NOTE - in review of this RFI it was noted that, while the ALS plans correctly identified doors in 1-HR walls as needing a 45-minute rating, the door schedule was asking for a 20-minute rating. This has also been updated for level 00 doors incorrectly labelled in the door schedule previously. Updates to MEP (and other trades if required) to be documented following BIM coordination.	45463	G0.13, G0.31, A1.00, A1.10.1, A4.31.2, A6.04	UPDATES