

UNT SYSTEM™

Strategic Infrastructure,
Planning & Construction

ADDENDUM # 1

DATE: May 23, 2025
TO: Potential Respondents
FROM: Elaine Robbins – Construction Contract Coordinator II
SUBJECT: RFCSP752-25-1010ER
UNT Discovery Park D170 Research Lab Buildout

Attached please find Addendum #1 issued by TreanorHL that answers many of the questions that were asked and include:

Drawings (Reissued Sheets with Modifications)
Project Manual/Specifications (New Specification Sections)
Project Manual/Specifications (Deleted Specification Sections)
Project Manual/Specifications (Reissued Specification Sections w/Modifications)

ADDENDUM NO. 1

PROJECT: UNT Discovery Park D170 Fit-Out
HE0569.2402.00

DATE: 05/22/2025

DISTRIBUTION: UNT

For corrections or clarifications, contact: [REDACTED]

This Addendum becomes part of the Contract Documents and shall be acknowledged by each bidder on the proposal form. All parties of the original specifications and drawings shall remain in force except as noted below:

ITEM	DETAIL
	BIDDER QUESTIONS
1.1	Q: G005, Spec 10.1423 - Typical Room Signage detail on G005 references Sheet A611A for signage details and schedule. Sheet A611A is not included in the IFC Drawing Set. Please provide information on signage details and schedule if the scope should be included by CM. A: Room signage will be Owner provided and installed
1.2	Q: Electrical - The panel schedules on sheet E701 indicate to include #10AWG wire on a 20-Amp circuit for multiple circuits with panelboard "LVP-YA12-D". Code minimum is #12AWG wire for a 20-Amp circuit. Please confirm that #12AWG is to be included for the 20-Amp circuits shown on the panel schedule for this panelboard. A: Circuits 2,4,6,10,12,14 on LVP-YA12-D should be 30-Amp. #12AWG can be used for all 20A circuits provided voltage drop has been taken into account. Refer to Specification section 26 05 19.
1.3	Q: Electrical - The panel schedules on sheet E701 indicate to include #10AWG wire on a 20-Amp circuit for multiple circuits with panelboard "LVP-YA12-D". Code minimum is #12AWG wire for a 20-Amp circuit. Please confirm that #12AWG is to be included for the 20-Amp circuits shown on the panel schedule for this panelboard. A: See sheet E201 room D170A for location of panel HVP-YA12-M.
1.4	Q: Electrical - Panel HVP-YA12-M (480/277V) indicates circuits 25,27,29 for AHU-07 is a 60-Amp breaker with #8AWG wire. Please confirm which is correct, breaker or wire size, as #8AWG wire typically only allows for 50-Amps. A: Breaker has been updated to match the full load amp (FLA) of the equipment.
1.5	Q: Electrical - Panel HVP-YA12-M (480/277V) indicates circuits 31,33,35 and 37,39,41 for LEF-1 and LEF-2 are 50-Amp breakers with #10AWG wire. Please confirm which is correct, breaker or wire size, as #10AWG wire typically only allows for 30-Amps. A: NEC allows the breaker to be sized at 2.5 times the motor FLA and the conductor to 1.25 times the motor FLA
1.6	Q: Electrical - Mechanical room #D160 shows a quantity of (2) Type-LM light fixtures. The reflected ceiling plan on A151 indicates only (1) light fixture is to be installed in this room. Please indicate which is correct. A: Electrical is correct. Architectural RCP is updated to reflect two fixtures in this room.

ITEM	DETAIL
1.7	<p>Q: Electrical- No Technology drawings are included in the bidding docs. Please confirm the quantity of card access controlled doors align with the layouts shown on sheet A101 and A102</p> <p>A: There are no Telecom drawings. Rough-in locations are indicated on E201 and E202. Refer to keyed notes on electrical drawings for additional information. Refer to details C1, C2, and D1 on A501 for rough-in information. All cabling and devices are by owner.</p>
1.8	<p>Q: Electrical - No Technology drawings are included in the bidding docs. Please confirm the quantity of tele/data outlet rough-in's are only included as shown on sheet A805</p> <p>A: There are no Telecom drawings. Rough-in locations are indicated on E201 and E202. Refer to keyed notes on electrical drawings for additional information. Refer to details C1, C2, and D1 on A501 for rough-in information. All cabling and devices are by owner.</p>
1.9	<p>Q: Electrical - No Technology drawings are included in the bidding docs. Please confirm the quantity of wireless access point rough-in's are only included as shown on sheet A151 and A152</p> <p>A: There are no Telecom drawings. Rough-in locations are indicated on E201 and E202. Refer to keyed notes on electrical drawings for additional information. Refer to details C1, C2, and D1 on A501 for rough-in information. All cabling and devices are by owner.</p>
1.10	<p>Q: Electrical - The quantity of receptacles shown to be provided in the electrical power plans for the linear ceiling service panels differs from what is shown to be provided on the linear ceiling service panel details on sheet A805 for each run. Please clarify what is to be provided for each run of the linear ceiling service panels.</p> <p>A: Location and quantity of linear service panel receptacles is revised and issued in this addendum.</p>
1.11	<p>Q: Architectural - Sheet A101 references a wall type of A6-1 and F6 however, there does not appear to be any details to reflect what these wall types are in the drawings or the specs. Please advise.</p> <p>A: Refer to A005 for all partition type designations and details. Refer to schedule and the associated details.</p>
1.12	<p>Q: Architectural - Please describe the locations and materials of construction of temporary partitions, if required.</p> <p>A: Refer to specification 01 5000 for information regarding construction materials of temporary partitions. Location to be determined by the contractor and coordinated with UNT during construction.</p>
1.13	<p>Q: Plumbing, P-301, P-304 - The Lab Air (LA) tie-in point and routing to the linear service panels is not shown on P-301 or P-304 (Alternate). Please advise.</p> <p>A: Overhead piping for lab air routed to linear service panels is in the base bid scope. Plumbing drawings have been updated in this addendum.</p>
1.14	<p>Q: Plumbing, A805, P-305 - Sheet A-805 shows two (2) LA connections per section in the linear service panels. Sheet P-305 shows one (1) connection per section. Please advise which is correct.</p> <p>A: Overhead piping for lab air routed to linear service panels is in the base bid scope. Plumbing drawings have been updated in this addendum.</p>
1.15	<p>Q: Plumbing, P-305 - Sheet P-305 has RO Equipment Schedules. Is the plumbing contractor responsible for purchasing and setting the RO equipment in Alternate 4? If yes, please show the location of the equipment and the RO piping routing and connection points.</p> <p>A: Yes, RO equipment is expected to be purchased and installed by the plumbing contractor in room D271 as part of Alternate 4. Sheet has been updated annotating equipment shown and providing RO piping routing and connection points.</p>

ITEM	DETAIL
1.16	<p>Q: A811A - Chemical Fume Hood EX-D173.1 is not listed in the fume hood schedule. Please provide information.</p> <p>A: Sheet has been updated and issued in this addendum. Chemical Fume Hood EX-D173.1 is a floor-mounted 5'-0" wide fume hood located in the Wet Support room as part of Alternate 1.</p>
1.17	<p>Q: A811, A811A, A812, A812A - Are the cylinder restraints (CRS and CRD) furnished and installed by Owner?</p> <p>A: All cylinder restraints are CFCI. Refer to specification section 12 3553 subsection 2.13.B.</p>
1.18	<p>Q: A102, A812 - Please indicate the wall type between fume hoods D270.2/D270.3 and the exterior wall. This is the wall that the CRS are attached to.</p> <p>A: Walls indicated are F3--drawings are updated in this addendum.</p>
1.19	<p>Q: A812A - The TB60 tables on A812A - which Alternate should they be included with?</p> <p>A: TB60 tables are part of Alternate 3.</p>
1.20	<p>Q: A812A, A802 - Alternate #2 - LS-1A sinks. The plan view of the LS-1A sinks appear to show a base cabinet next to the LS-1A sink cabinet. There are no interior elevations of the Alternates to confirm. Please advise.</p> <p>A: Drawings are updated to elevate this sink/casework run.</p>
1.21	<p>Q: A812A - Alternate #2 - Fume Hoods. Should the base cabinets of Alternate fume hoods D270.1 and D270.4 match the base cabinets of the base bid fume hoods D270.2 and D270.3?</p> <p>A: Drawings are updated to elevate this sink/casework run.</p>
1.22	<p>Q: Glazing - Section 08 4113.3.1.A.2 Color and Gloss - states to "Match STEM Building". Can we get that color type or code?</p> <p>A: Section 08 4113 is amended in this addendum. Provide clear anodized finish as indicated on sheet A700.</p>
1.23	<p>Q: Signage - I cannot seem to find the additional info on the signage. It says it's on page A611A, but that page is not there. Can you please advise?</p> <p>A: Room signage will be Owner provided and installed. Note on G005 has been revised.</p>
1.24	<p>Q: General - Is there a preferred or required vendor list?</p> <p>A: Items listed are basis-of-design products and manufacturers. Provide items complying with requirements within the contract documents.</p>
1.25	<p>Q: HVAC - Who are controls by and who's responsible for them?</p> <p>A: The contractor is responsible. Refer to section 23 0923.</p>
1.26	<p>Q: HVAC - Who is TAB by and who's responsible for them?</p> <p>A: The owner is responsible for engaging TAB contractor. Refer to section 23 0593 paragraph 1.02.B.</p>
1.27	<p>Q: Lab Equipment - Who is responsible to furnish & install lab equipment/fume hoods?</p> <p>A: The contractor is responsible for furnishing and installing fume hoods. Section 11 5313 LABORATORY FUME HOODS is provided in this addendum. Specification section 11 5000 LABORATORY EQUIPMENT is updated and reissued in this addendum; refer to equipment schedule on A811, A811A, A812, and A812A for furnishing and installation responsibility.</p>
1.28	<p>Q: Please provide existing fire alarm panel information and specification.</p> <p>A: Refer to specification 28 3100 for fire alarm specification.</p>
1.29	<p>Q: MD-101& M-301; It is not clear from the plans whether the existing FCU to be demolished and re-used is a two pipe or four pipe FCU; will we demolish two or four pipes?</p> <p>A: Existing FCU is chilled water only.</p>

ITEM	DETAIL
1.30	<p>Q: MD-101& M-301; There is no size on the duct to the FCU being replaced.</p> <p>A: GSS concluded 36"x24" return duct and 22"x14" supply duct upon initial inspection. Field verify and replace with existing sizes.</p>
1.31	<p>Q: MD-101& M-301; There is no size on the piping to the FCU being relocated for insulation specification purposes; what size is it?</p> <p>A: Please field verify and replace with existing sizes. Chilled water only FCU.</p>
1.32	<p>Q: MD-101& M-301; Due to insulation specification differences we need to know whether the piping to the FCU being relocated is chilled or heating water.</p> <p>A: Chilled water.</p>
1.33	<p>Q: MD-102 & M-302; Will we need to line freeze the pipes at the FCU to be demolished, or are there valves close up stream?</p> <p>A: The pipes will need to be demolished past the valves so line freeze will be required.</p>
1.34	<p>Q: MD-102 & M-302; Will we need to line freeze each side of the four pipes over the corridor so that valves and caps can be installed for demolition to proceed?</p> <p>A: Add line item to freeze pipes, field verify there aren't isolation valves nearby. GSS was not able to locate isolations valves nearby when doing an initial site inspection.</p>
1.35	<p>Q: There is no specification for above ground Sanitary Waste & Vent Piping.</p> <p>A: Above ground waste and vent piping specifications are included in our sanitary waste and vent piping specifications. The section includes both above ground and below ground piping.</p>
1.36	<p>Q: 08 8000.3.08 - need some clarification on the "Hydroponic Enclosure Glazing. There is 1/4" (.25") glass and 3/8" (.375") glass with either a .040" or a .060" laminate interlayer. Please verify intent.</p> <p>A: Specification Section 08 8000 GLAZING has been amended in this addendum.</p>
1.37	<p>Q: Specifications – will a roofing specification be issued?</p> <p>A: The current roofing system is a gravel ballasted BUR system. UNT is current undergoing a separate project to rehab this roof system. It is anticipated that this work will be completed prior to this project commencement.</p> <p>The reroof system is as follows:</p> <ul style="list-style-type: none"> • Removal of gravel and debris. • Leveling Coat – Fluid applied Polyurethane Coating (256 mils) – Tremco – Alphagrade • Base Coat - Fluid applied Polyurethane Coating (32 mils) – Tremco – Alphagrade Base Coat • Top Coat - Fluid applied Polyurethane Coating (32 mils) – Tremco – Alphagrade Top Coat <p>Any roof modifications or flashing installation for work in this project must comply with Tremco requirement of the system</p>
1.38	<p>Q: GeoTech Report – Please share UES, Geotech report W2434611-rev dated 02.19.25 referenced in Codes & Referenced Reports Sheet S1.01</p> <p>A: Geotechnical report has been issued in this addendum.</p>

ITEM	DETAIL
1.39	<p>Q: Steel Stairs – The drawings and Spec 05 5100 list Upside Innovations as the Manufacturer. Should the stair system be considered a sole sourced spec, or will traditionally designed and erected stair systems by other manufacturers be accepted?</p> <p>A: The manufacturer indicated is the Basis-of-Design. Subject to compliance with the performance criteria alternate manufacturers are acceptable. A freestanding traditionally constructed system will also be considered.</p>
1.40	<p>Q: Structural S3.01 & Mechanical M-903 – For the concrete equipment pads, details 2,3,4 on S3.01 depict three different typical pads. Detail 1/M-903 depicts a 6" thick equipment pad for the fan coil unit. Which detail should we follow for the floor-mounted fan coil unit FCU-D01 equipment pad?</p> <p>A: Structural Detail 2/S3.01 will apply</p>
1.41	<p>Q: Life Safety & Fire Protection – G101 – Sheet G101 indicates to "Provide wall washing sprinklers on each side of glazed opening" for levels 1 and 2. The Fire Protection drawings do not include additional details on this scope. Please provide additional detail on what is to be provided and installed for this application.</p> <p>A: Provide wall wash type fire sprinklers complying with IBC and NFPA 101, each side of glazed opening in 1-hr rated wall. Space sprinkler heads minimum 6'-0" and maximum 8'-0" apart and 4" to 12" away from the glazing surface.</p>
1.42	<p>Q: Specifications-Drywall – 1. Spec section 09 22 16 subsection 2.02 Framing Systems calls for studs and tracks to have a minimum thickness of .0329 inches (33mil). Does this have to be followed? We can still meet deflection criteria of L/360 and limiting heights with a 20ga equivalent (18 mil).</p> <p>A: Provide studs per specification requirements</p>
1.43	<p>Q: Specifications – Drywall – 2. On sheet A101 (Floor Plan note "L" under general notes calls to repair all existing ceiling that was damaged from partitions that had been demolished. What is the existing ceiling tile that we need to match?</p> <p>A: General Note "L" does not apply</p>
1.44	<p>Q: Specifications-Drywall – 3. On the RCP sheets (A151 & A152 under general note "D" it calls for all ceilings to be APC-1 (Rockfon Sonar #16290) at 10'-0" unless noted otherwise. However, on the interior finish schedule sheet (A700) the only ceiling tile tag is CL-1 (Armstrong Clean Room VL #868). Was the intent for the Armstrong ceiling tile to go in rooms D170 (Dry Research) & D270 (Wet Lab) and use the Rockfon Sonar tile every where else?</p> <p>A: Specification Section 09 5113 has been reissued in this addendum.</p>
1.45	<p>Q: Specifications – Drywall – 4. The ceiling grid for the Armstrong Clean room call for "CO-Extruded" but does not state if the grid itself needs to be aluminum or steel. Please confirm which type grid to price.</p> <p>A: Specification Section 09 5113 has been reissued in this addendum.</p>
1.46	<p>Q: Please provide specification section 102600 Wall and Door Protection. It is listed in the table of contents but not included in the project manual.</p> <p>A: TOC is updated in this addendum to remove reference to 10 2600. Basis of Design product information for wall protection is listed in the drawings.</p>
1.47	<p>Q: Please provide the remainder of spec section 055100 Prefabricated modular stairs systems, currently stops at 2.07 Handrails and guards with no description.</p> <p>A: Section 05 5100 has been reissued in this addendum</p>

ITEM	DETAIL
1.48	<p>Q: Section 1.05 Mock Ups is missing from specification section 079513.13. Please advise if a mock up is required for this spec section and provide relevant information.</p> <p>A: No Mock-up is necessary</p>
1.49	<p>Q: Please advise if a concrete curb is required at the new sidewalk as shown in detail 4/C5.00 and provide dimensions for the curb.</p> <p>A: Detail does not apply</p>
1.50	<p>Q: Is there an irrigation system in the existing landscaping areas adjacent to the project area shown on sheet C1.00?</p> <p>A: No active irrigation system is adjacent to the project.</p>
1.51	<p>Q: Please provide a spec section for LVT-1 and LVT-2.</p> <p>A: Spec Section 09 6519 is updated in this addendum</p>
1.52	<p>Q: Spec section 096519-2.02-E indicates RF-1 size to be 40"x40". Interior Finish Legend on sheet A700 indicates RF-1 size to be 24"x24". Please clarify.</p> <p>A: Spec Section 09 6519 is updated in this addendum</p>
1.53	<p>Q: Spec section 096513-2.01-H indicates RB-1 color to be 699 Battleship. Interior Finish Legend on sheet A700 indicates RB-1 color to be 29 Moon Rock WG. Please clarify.</p> <p>A: Spec Section 09 6513 is updated in this addendum</p>
1.54	<p>Q: Spec section 033500-2.02-A-1 indicates to see section " " for information on the penetrating concrete sealer. No section is listed. Please provide.</p> <p>A: Refer to Finish Legend A700 for sealer information</p>
1.55	<p>Q: Spec section 095113-2.03 and 2.04 indicates product information on acoustical panels APC-1 and seamless acoustic panel GCP-2, neither of which are listed on the Interior Finish Legend on sheet A700. Please revise to include product information for acoustical panel ceiling CL-1.</p> <p>A: Spec Section 09 5113 is updated in this addendum</p>
1.56	<p>Q: Please provide spec sections 220548 Vibration Isolation For Plumbing Piping and Equipment and 226653 Laboratory Chemical Waste and Vent Piping. They are listed in the table of contents but not included in the project manual.</p> <p>A: Sections are not applicable to this project. The Table of Contents is updated in this addendum</p>
1.57	<p>Q: Please provide spec section 104416 "Fire Extinguishers" referenced in spec section 104413-1.02-B-1.</p> <p>A: Fire Extinguishers are provided by Owner</p>
1.58	<p>Q: Per Life Safety Plan G101, door D200 is to be installed in an existing 1-hr fire rated partition. This door is not indicated to be fire rated in the door schedule on sheet A601. Please advise if the door is required to be fire rated.</p> <p>A: Door D200 is not required to be rated</p>
1.59	<p>Q: Building Pad Preparation Note B indicates to remove existing subgrade for a distance of 3' beyond the building line. The new foundation for the exterior stair is shown to be installed directly adjacent to an existing concrete pad on sheet C2.00. Please advise if the existing concrete pad is required to be demolished within the 3'-0" boundary to accommodate the subgrade preparation requirements indicated in the note. If so, please provide details for reinstallation of the existing concrete pad after subgrade modifications are performed.</p> <p>A: Pad preparation does not need to extend into the adjacent existing concrete pad area to avoid demolition of the existing concrete pad.</p>

ITEM	DETAIL
1.60	<p>Q: Sheet C1.00 indicates existing landscape/grassy areas adjacent to the project area. This landscaping is going to be disturbed to accommodate the new earthwork in that area. Please advise the extent of landscaping repairs that will be required at these areas after these modifications are made and provide details.</p> <p>A: All disturbed areas to be reseeded and watered to promote regrowth of vegetation to its original state. This applies to all areas disturbed by construction activity.</p>
1.61	<p>Q: Please clarify if spray applied fireproofing is required as stated in Structural Steel Note D on sheet S1.02. If so, please provide a specification section for this work.</p> <p>A: Spray-applied Fireproofing is not required</p>
1.62	<p>Q: The north and east X6-1 walls shown north of column line 64.2 and east of door D274 creates a mechanical shaft that is to sit on top of IDF room D170C. There is no structural deck above the IDF D170C to support these partitions. Please clarify how this shaft is to be constructed and provide a cross-section detail showing how the X6-1 partition is to be supported above the IDF.</p> <p>A: Structural framing is updated in this addendum to support shaft wall</p>
1.63	<p>Q: Detail C1/A301 references slab edge detail A4/A501 to show the continuation of gypsum board from level 1 to 2 beyond the slab edge of the new level 2 composite metal deck. However, the composite metal deck does not extend the full length of that partition. Sheet S2-02 shows the slab edge to terminate within 2' of the north and south walls which creates a chase type condition. Please provide a framing detail/partition type to be applied at the top 2' and bottom 2' of the north and south walls. Reference the screen shots below for locations.</p> <p>A: At the locations described the framing will extend from first level to the underside of the roof deck and is braced by the adjacent structure.</p>
1.64	<p>Q: Spec section 055100-2.02-B-1-d indicates metal surfaces of the prefabricated modular stair system to be painted. The manufacturer has confirmed that the product specified is an entirely aluminum product and comes pre-finished. Please confirm the prefabricated modular stair is not required to be painted.</p> <p>A: Stair system is pre-finished. Section 05 5100 has been reissued with clarifications</p>
1.65	<p>Q: Please provide the dimensions for the narrow lite in door type N.</p> <p>A: Dimensions are added to lite opening in this addendum</p>
1.66	<p>Q: The Door and Frame Schedule on sheet A601 indicates solid core wood door finishes to be PT-2. Spec section 081416-2.04 indicates solid core wood doors to be wood veneer faced with transparent finish. Please clarify the solid core wood door finish requirements.</p> <p>A: Wood doors are to be provided with a transparent finish. Specification Section 08 1416 has been amended in this addendum.</p>
1.67	<p>Q: The Interior Finish Legend on sheet A700 indicates glass type LGL-1 to have clear silicone vertical joint sealants. Detail A4/A601 indicates black silicone joint sealants at the laminated glazing. Please clarify.</p> <p>A: Sealant is clear silicone. Laminated glass has been removed from the project</p>
1.68	<p>Q: Please confirm finish plan note P18 on sheet A710 should reference B2/A501 in lieu of B5/A501.</p> <p>A: Confirmed</p>
1.69	<p>Q: Please provide keyed note legend on sheet A711</p> <p>A: A711 is reissued with Keynotes in this addendum</p>
1.70	<p>Q: Interior elevations B3 & C4/A851 indicate a cased opening at Wet Support D173. The door schedule on sheet A601 does not provide details for a frame for this opening. Please advise if a door</p>

ITEM	DETAIL
	frame is required at this cased opening or provide framing detail. A: This is a gypsum cased opening
1.71	Q: Spec section 012100-3.3A indicates a "Lump Sum Unit Cost Quantity Contingency Testing and Inspecting Allowance" to be included in the proposal but is missing the dollar or quantity amount of the allowance. Please revise the spec section to include the required information regarding this allowance. A: This section is removed in this addendum
1.72	Q: Spec section 095113-1.08-A-1 indicates to provide mockups of typical ceiling areas as shown on Drawings. Extent of ceiling mockup requirements is not indicated on the reflected ceiling plans. Please clarify mockup requirements. A: No ceiling mock-up is required. Section 09 5113 is updated in this addendum
1.73	Q: Spec section 078413-1.02-A indicates penetration firestopping is part of an allowance. Please provide information on this allowance and advise if Contractor is to carry. A: Contractor is to carry this work. Section 07 8413 is updated in this addendum
1.74	Q: Spec section 033000-1.05-A indicates concrete flatwork technicians, finishers, and supervisors are required to be ACI-Certified. Resumes of concrete finishing supervisors can be provided if the Contractor is selected for award, however, these certifications are not common and will greatly limit the number of concrete subcontractors able to perform this work. Please confirm these certifications are required. A: ACI Certification is not required.
1.75	Q: Please advise if there is space that will be available for contractors to office out of, and if there are existing restrooms contractors can use. A: Space will be available for contractors to office out of, but port-a-potties will be required for restrooms.
1.76	Q: Please provide details of where contractors will be able to park in proximity to the space being renovated. A: Yes, parking will be allowed in the closest parking lot to the construction site.
1.77	Q: Please confirm the Owner will remove existing materials/boxes being stored within the project space prior to construction. A: Material in the space will be removed by the Owner prior to construction
1.78	Q: The alternates section of the proposal form on page 15 of the RFP (Page 2 of Document 004100 Proposal Form) has sections for quantities and unit prices associated with each Alternate. Please clarify how the alternates should be quantified for unit prices. A: Provide a price for each unit added.
	DRAWINGS (REISSUED SHEETS WITH MODIFICATIONS)
1.79	<u>Sheet G005 – ACCESSIBILITY AND SIGNAGE STANDARDS</u> Note on A1/G005 revised to clarify room signage is by Owner. <u>Sheet G101 – CODE AND LIFE SAFETY PLANS</u> Note about existing fire rated walls removed. <u>Sheet S2.01 – FOUNDATION PLAN</u> Column gridline 64.5 renamed to 64.2 to match Architectural.

ITEM	DETAIL
	<p><u>Sheet S2.02 – FRAMING PLAN</u> Column gridline 64.5 renamed to 64.2 to match Architectural. W10x12 beam added to support the level 2 shaft wall partition.</p> <p><u>Sheet S2.03 – ROOF FRAMING PLAN</u> Column gridline 64.5 renamed to 64.2 to match Architectural.</p> <p><u>Sheet A101 – FLOOR PLAN – LEVEL 1</u> General note “L” has been removed.</p> <p><u>Sheet A102 – FLOOR PLAN – LEVEL 1</u> Wall type, dimension by fume hoods clarified. General note “L” has been removed.</p> <p><u>Sheet A151 – REFLECTED CEILING PLAN – LEVEL 1</u> Light fixtures in room D160 updated to match Electrical. Outlet locations updated in linear ceiling service panels.</p> <p><u>Sheet A152 – REFLECTED CEILING PLAN – LEVEL 1</u> Outlet locations updated in linear ceiling service panels. Ceiling supply diffuser locations updated.</p> <p><u>Sheet A501 – INTERIOR DETAILS</u> Detail C1/A501 updated to clarify card reader rough-in at doors.</p> <p><u>Sheet A601 – DOOR SCHEDULE, GLAZING TYPES, AND DETAILS</u> Glazing notes updated to reflect clear tempered glazing as opposed to laminated glass. Door finishes updated on all SCW interior doors. Door lite light in type “N” door has been dimensioned.</p> <p><u>Sheet A700 – INTERIOR FINISH SCHEDULES AND DETAILS</u> Acoustical Panel Ceiling product basis-of-design has been revised. LGL-1 revised to be GL-1, reflecting clear tempered glazing as opposed to laminated glass. TS-1 revised to VPUL 50 ACGB. WD-1 wood veneer added as door finish on interior SCW doors.</p> <p><u>Sheet A710 – FINISH PLAN – LEVEL 1</u> Note P18 revised to reference the correct detail. Corner guards added to gyp framed wall opening.</p> <p><u>Sheet A711 – FINISH PLAN – LEVEL 2</u> Keynote legend added to sheet.</p> <p><u>Sheet A805 – LINEAR SERVICE PANEL DETAILS</u> Linear service panel outlet locations and quantities adjusted.</p>

ITEM	DETAIL
	<p><u>Sheet A811A – LAB EQUIPMENT PLAN AND SCHEDULE – LEVEL 1 (ALTERNATES)</u> Chemical fume hood schedule updated to show floor-mounted fume hood in room D173. Bench outlet locations updated to reflect linear service panel outlet location changes.</p> <p><u>Sheet A812 – LAB EQUIPMENT PLAN AND SCHEDULE – LEVEL 2 (BASE BID)</u> Wall type by fume hoods updated.</p> <p><u>Sheet A812A – LAB EQUIPMENT PLAN AND SCHEDULE – LEVEL 2 (ALTERNATES)</u> Bench outlet locations updated to reflect linear service panel outlet location changes. Elevation tags for A1/A852 and A3/A852 updated. Dashed line indicating scope items part of Alternate 3 clarified to incorporate TB60 lab tables.</p> <p><u>Sheet A851 – INTERIOR ELEVATIONS – LEVEL 1</u> A4/A851 updated to reflect lab bench services, matching services provided in the linear ceiling service panels. Wall opening in B3 and C4 revised to be a gypsum wall board framed opening.</p> <p><u>Sheet A852 – INTERIOR ELEVATIONS – LEVEL 2</u> A1/A852 and A3/A852 updated to show the Alternate build-out items (Alternate 2 and 3), including fume hoods EX-D270.1 and EX-D270.4. A5/A851 updated to reflect lab bench services, matching services provided in the linear ceiling service panels.</p> <p><u>Sheet M-102 - MECHANICAL OVERALL RENOVATION PLAN -LEVEL 2</u> Ceiling supply diffuser locations updated.</p> <p><u>Sheet M302 - ENLARGED MECHANICAL RENOVATION PLAN -LEVEL 2 BASE BID</u> Ceiling supply diffuser locations updated.</p> <p><u>Sheet M303A - ENLARGED MECHANICAL ALTERNATES</u> Ceiling supply diffuser locations updated.</p> <p><u>Sheet P-101 - LEVEL 1 OVERALL PLUMBING PLAN -BASE BID</u> Lab air connections shown in base bid scope at the linear ceiling service panels.</p> <p><u>Sheet P-102 - LEVEL 2 OVERALL PLUMBING PLAN -BASE BID</u> Lab air connections shown in base bid scope at the linear ceiling service panels.</p> <p><u>Sheet P-301 - FIRST LEVEL PLUMBING PLAN -BASE BID</u> Lab air connections shown in base bid scope at the linear ceiling service panels.</p> <p><u>Sheet P-302 - SECOND LEVEL PLUMBING PLAN -BASE BID</u> Lab air connections shown in base bid scope at the linear ceiling service panels.</p> <p><u>Sheet P-304 - FIRST LEVEL PLUMBING PLAN -ALTERNATE</u> Lab air connections shown in base bid scope at the linear ceiling service panels.</p>

ITEM	DETAIL
	<p><u>Sheet P-305 - SECOND LEVEL PLUMBING PLAN -ALTERNATE</u> Lab air connections shown in base bid scope at the linear ceiling service panels. RO piping noted as serving autoclave system only.</p> <p><u>Sheet E201 - LEVEL 01 POWER PLAN</u> Linear ceiling service panel outlet locations revised.</p> <p><u>Sheet E202 - LEVEL 02 POWER PLAN</u> Linear ceiling service panel outlet locations revised.</p> <p><u>Sheet E701 - ELECTRICAL PANELBOARD SCHEDULES</u> Circuits 43, 44 clarified on panel LVP-YA12-B. Circuits 2, 4, 6, 8, 10, 12, 14, 16, 18, 20 clarified on panel LVP-YA12-D. Circuits 25, 27, 29 clarified on panel HVP-YA12-M.</p>
	PROJECT MANUAL/SPECIFICATIONS (NEW SPECIFICATION SECTIONS)
1.80	<p><u>Section 11 5313 – LABORATORY FUME HOODS</u> Add attached Section 11 5313 – LABORATORY FUME HOODS to the Project Manual.</p>
	PROJECT MANUAL/SPECIFICATIONS (DELETED SPECIFICATION SECTIONS)
1.81	<p><u>Section 01 2100 – ALLOWANCES</u> Delete Section 01 2100 – ALLOWANCES in its entirety</p> <p><u>Section 10 1423 – PANEL SIGNAGE</u> Delete Section 10 1423 – PANEL SIGNAGE in its entirety.</p>
	PROJECT MANUAL/SPECIFICATIONS (REISSUED SPECIFICATION SECTIONS W/ MODIFICATIONS)
1.82	<p><u>Project Manual – TABLE OF CONTENTS</u> Delete Section 01 2100 – ALLOWANCES Delete Section 10 1423 – PANEL SIGNAGE Delete Section 21 1300 – FIRE PROTECTION SYSTEMS Delete Section 22 0548 – VIBRATION ISOLATION FOR PLUMBING PIPING AND EQUIPMENT Delete Section 22 6653 – LABORATORY CHEMICAL WASTE AND VENT PIPING</p> <p><u>Section 00 3132 – GEOTECHNICAL DATA</u> Replace Section 00 3132 – GEOTECHNICAL DATA with attached section. Section reissued with Full Geotechnical Report</p> <p><u>Section 05 5100 – PREFABRICATED MODULAR STAIR SYSTEM</u> Replace Section 05 5100 – PREFABRICATED MODULAR STAIR SYSTEM with attached section.</p> <p><u>Section 07 8413 – PENETRATION FIRESTOPPING</u> Refer to Paragraph 1.02 ALLOWANCES, delete this paragraph in its entirety. Refer to Paragraph 1.03 UNIT PRICES, delete this paragraph in its entirety.</p>

ITEM	DETAIL
	<p>Penetration Firestopping is to be included in the bid.</p> <p><u>Section 07 9513.13 – INTERIOR EXPANSION JOINT COVER ASSEMBLIES</u> Refer to Paragraph 1.05 MOCKUPS, delete this paragraph in its entirety. No mockup is required.</p> <p><u>Section 08 1416 – FLUSH WOOD DOORS</u> Refer to Paragraph 2.04 SOLID-CORE FIVE-PLY FLUSH WOOD VENEER-FACED DOORS FOR TRANSPARENT FINISH, replace paragraph “4” with the following:</p> <p>4. Faces: Single-ply wood veneer not less than 1/50 inch thick.</p> <ol style="list-style-type: none"> Species: Cherry Cut: Plain sliced (Flat Sliced) Match between Veneer Leaves: Slip match. Assembly of Veneer Leaves on Door Faces: Balance match. Pair and Set Match: Provide for doors hung in same opening or separated only by mullions. Room Match: Provide door faces of compatible color and grain within each separate room or area of building. Stain Color and Finish: To be selected from full line to match wood doors in the facility. <p><u>Section 08 4113 – ALUMINUM FRAMED STOREFRONTS</u> Refer to Paragraph 3.10 ALUMINUM FINISHES, replace paragraph with the following:</p> <p style="padding-left: 40px;">3.10 ALUMINUM FINISHES A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.</p> <p><u>Section 08 8000 - GLAZING</u> Refer to Paragraph 3.08 LAMINATED GLASS SCHEDULE. Delete this Paragraph in its entirety.</p> <p><u>Section 09 5113 – ACOUSTICAL PANEL CEILINGS</u> Replace Section 09 5113 – ACOUSTICAL PANEL CEILINGS with attached section.</p> <p><u>Section 09 6513 – RESILIENT BASE AND ACCESSORIES</u> Refer to paragraph 2.01 THERMO-PLASTIC RUBBER BASE RB-1. Replace sub-paragraph “H” with the following:</p> <p>H. Color: 29 Moonrock</p> <p><u>Section 09 6519 – RESILIENT TILE FLOORING</u> Replace Section 09 6519 – RESILIENT TILE FLOORING with attached section.</p> <p><u>Section 11 5000 – LABORATORY EQUIPMENT</u> Replace Section 11 5000 – LABORATORY EQUIPMENT with attached section.</p>

END OF ADDENDUM