

Project Title: **Health Technologies Building**

Project #: **2017-02167**

TAMU Building #: **1610**

ADDENDUM #02- Dated 02/27/2018

The following items have been amended:

NOTE:

See responses to contractor's questions below. (TOTAL 4 PAGES)

Amended Specifications Attached:

Section 08 71 00, page 10 – Deleted all other manufacturers. Only Falcon Lock Company is permitted for this building (it is the existing manufacturer for the building locks in this building). Strike Sargent, and Best.

1. ~~Sargent 8200 Series, LW11/LN1L Design x 130 KB Turnlever; Sargent Manufacturing Company (SGT). Provide handed ANSI 4-7/8" curved lip strikes die punched to match bolts provided with latchset functions only, provide non-handed standard curve lip strikes 82-0110 for all other functions. Where electro-mechanical locksets are scheduled provide 8270 Series with trim matching mechanical locksets.~~
2. ~~Corbin Russwin ML2000 Series, Lustra LSA Design x 519F10 Thumbturn Lever; Corbin Russwin Architectural Hardware (CR). Provide handed ANSI 4-7/8 inches curved lip strikes die punched to match bolts provided with latchset functions only- 340L62 (RH) and 340L63 (LH), provide handed standard curve lip strikes for all other functions 340L60 (RH) and 340L61 (LH). Where electro-mechanical locksets are scheduled provide ML20900 ECL Series with trim matching mechanical locksets.~~
3. ~~2. Schlage-Falcon MAL9000 Series - DN, 03 Design x A Rose x 09-905 Turnlever; Schlage-Falcon Lock Company (SCHFA). Provide handed ANSI 4-7/8 inches curved lip strikes die punched to match bolts provided with latchset functions only (Part No. XL11-820/XL11-821), provide non-handed standard curve lip strikes for all other functions 10-072. Where electro-mechanical locksets are scheduled provide L9000EL electrified Series with trim matching mechanical locksets.~~
4. ~~3. Best 45H Series, with 315 Lever Design x H Rose x Thumbturn; Stanley Security Solutions. Provide handed ANSI 4-7/8" curved lip strikes die punched to match bolts provided with latchset functions only S5; provide handed standard curve lip strikes for all other functions S6. Where electro-mechanical locksets are scheduled provide 45HW Series with trim matching mechanical locksets.~~

Requested Substitutions:

LOC is allowed as a manufacturer for Fume Hoods 115313.
VistaWall is allowed as a manufacturer of Curtainwall/Storefront.

Amended and New Drawings Attached:

S02.020 – Mezzanine Framing Plan

Added steel to the exit door C6A being added.

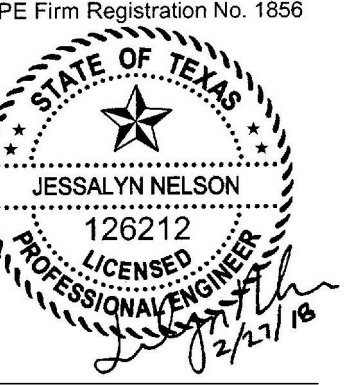
END OF ADDENDUM 02

RFI	QUESTION	RESPONSES
1	Existing Building drawings are available for view - Box.com link in responses. (Paste into web browser to view files).	https://app.box.com/s/trj6hkymfobt73d789951fvou56z81yg
2	Is LOC permitted as a manufacturer for Fume Hoods section 115313.	Yes, per submitted substitution application, this will be permitted, pending meeting all requirements in the specifications and drawings.
3	On Sheet A03.100 06 and 05 fume hood it states that I need to refer to fume hood wiring diagram for the electrical receptacle. I cannot find what sheet the diagram is. Can you provide me what sheet the diagram will be?	Wiring diagram is not used on this project. Note will be deleted on consolidated set at award.
4	On Sheet A03.100 21 single service fixture it have a cut sheet of Watersaver model number L4200cv-178FT. My question is will this ball valve but use on the bench tables, fume hood or both? I would recommend to use L4200-141FT for bench tables that have worksurfaces for both sides. This ball valve have two valves that is pointing at	See question 44 and 46 below. Both of valves noted this question are deleted from the set and will be revised in the addendum conformance drawing.
5	On Sheet A03.100 06 16 Lab Casework Key for elevation to the left of 4A I do not see any one floor plan. Will this elevation be use in the floor plan?	There is only one 4A hood and it will be located in the Electronics Lab, Room 125
6	Where are the details for door type X? The door schedule shows two different types of door X on A10.100 one that is a hollow metal door and another that is a wood door.	Door type X denotes an existing door.
7	Should there be 14 fire extinguisher cabinets? On the Life Safety/Egress Plan, plan number A00.500 there is not FEC shown at the intersection of guidelines E9.	(14) Note that cabinets are only in new walls. At existing wall, wall hung is to be used.
8	Where is the napkin dispenser in room 142 men's bathroom?	T01 is the combination paper towel dispenser and paper towel receptacle. Men's does not receive T10 (only in women's).
9	Both the 42" and 32" grab bars are not labeled on the enlarged plans for the bathrooms on page A03.200. Should there be two of each size?	Yes, 2 of each size.
10	Type C door shows an aluminum store front door but the door schedule shows a wood door for type C doors. Which door is preferred in this instance?	These were corrected to be aluminum doors with lites in Addendum 1.
11	Where are the coat hooks on the plans? There are none indicated in the bathroom plans.	(2) Coat Hook Bars, Safco 4202 Stainless Steel; outside restroom vestibule.
12	Where is the Northwest elevation? On the building elevations page A04.100 only three elevations of the building are shown.	This elevation does not have any work and was not included in the drawings.
13	Is there a fume hood schedule? On page A03.010 detail five (5) it says refer to fume hood schedule.	Fume hood schedule is not required - only the two hoods shown are required - note to be deleted.
14	What needs to be done to the existing ceiling? Clean, paint or leave as existing?	per note
15	The specification calls for a fire rate overhead coiling door. The doors that are specified as acceptable manufactures are only insulated doors not fire rated. Please provide clarification on this.	The overhead door is not fire rated. Note in specification to be deleted.
16	Please clarify Item 1.3 in the RFP that certain sales tax is required to be included in the bid based on non-consumables and the state tax laws in place.	Purchases made for State of Texas use are exempt from the State Sales tax and Federal Excise tax. Do not include tax in bid. Excise Tax Exemption Certificates are available upon request.
17	Request that the HUB plans are due by 2:00pm the next days after the bid day.	This will not be permitted, submit HUB plan with the bid.

RFI	QUESTION	RESPONSES
18	Please clarify that the proposal is based on the “general observation” of the site and building conditions from the mandatory pre-bid and it is not considered to have coordinated specific dimensions, determine existing structural loads, or coordinated specific details noted in the design drawings as referenced in Items 6.1 and 10.1 of the RFP.	The specific language of items 6.1 and 10.1 in the RFP are applicable
19	Please confirm that there is sufficient water supply required to service the new fire sprinkler system.	Yes, water service is sufficient.
20	Please clarify if the building will be occupied in relation to Item 3.2 specification section 007300 so proper safety features can be priced. Including comments in Item D of the General Notes on sheet A00.100.	This building will be turned over in whole to the contractor. The University will not have occupancy during construction.
21	16. Please confirm that an ODR on-site field office is required as indicated in section 015000 item 1.15.	A site office is required. At the successful bidders discretion, it can be established in existing space in the building (that does not interrupt the flow of the work) or in a trailer.
22	Please clarify the scope of work for the existing transformer located on the southwest side of the building adjacent to the mechanical gates.	This transformer is to be removed per note on MEP site plan issued in Addendum 1.
23	Please confirm that permits are not required for the project as indicated on sheet A00.100 in the General Notes.	City Building permits are not required. Note will be struck from drawings set issued for construction.
24	Please confirm if there are any structural requirements for door C6A similar to the window openings.	Yes, see attached drawing S02-202 for notes and detail reference.
25	Is there a SWPP plan required for the project?	Since the project will require excavation at the utilities, and for the ADA repairs at the entry, a SWPP plan will be required.
26	Please confirm any salvage items the Owner may want and locations for delivery.	All salvage items desired by the owner will have been removed from the building at the time of turnover to the successful bidder.
27	Please confirm that the ½” allowable drill depth is sufficient to create a rigid connection for the pool pony walls as noted in detail 2/S03.100. Based on the height of the walls at the deeper locations we believe that a greater depth is required.	2/S03.100 is essentially a schematic detail indicating the maximum spacing of stud wall supports, the interface between deck/concrete slab and stud walls, and the maximum allowable drill depths into the existing PT slab. It is the responsibility of the stud wall engineer to determine the actual layout of the stud walls and bracing, the resulting connection demand, and detail the connection into the slab using ½” maximum depth to avoid the existing PT tendons.
28	Are there any additional insurance requirements required to cover the existing building?	None outside of those listed in the general conditions.
29	Are temporary utilities such as electric and water covered by the university or the contractor?	These will be covered by the University.
30	Does the underside of the catwalk need to be sprinklered ?	The underneath side of the catwalk as well as the underside of the west crane rail (with catwalk) is to be sprinklered per TAMU EHS Supervisor.
31	Confirm that Georgia Pacific and GOJO are provided by the university and not by the GC	That is correct, paper towel and soap dispenser are provided by the university.
32	S03.100, Det. 9 - Two references to “By Others”. Who is “Others”? GC?	"By Others" is struck from this detail (by others assumes separate sub-contractors for these two work products). Who performs these particular trades is at the discretion of the bidder.
33	Is there a required fire alarm vendor for the building?	
34	On PFP 02.02 Sprinkler keynotes show to install sprinklers in the outlined areas, is it referencing sprinklers under the flooring platforms that will be built in this area? The fire sprinkler plans also reference sprinklers in the observation wells. Can you verify that the (2) crawl spaces that run parallel with the existing wave pool will have fire	Yes, the crawl spaces that parallel the tanks (observation wells) will be sprinklered.

RFI	QUESTION	RESPONSES
35	In areas to receive flooring such as carpet and tile, is moisture testing of slab required? If so, by GC or owner?	Yes, contractor is to perform moisture testing of slab prior the installation of floor finishes.
36	Where is the spec section on concrete? Testing requirements?	Both are specified on sheet S0.100
37	Spec section 08 44 13 – 8 Is VistaWall an acceptable alternate manufacturer?	Yes, VistaWall will be allowed as a manufacture, with conformance to all specification requirements.
38	T06.01 Security/ Access Control – Please provide clarification on Div. 26 scope as noted on sheet... Is security hardware/devices provided and installed by TAMU or by GC? Will card readers be provided TAMU key shop or GC? Who installs?	All piping and cabling is to be performed by the contractors bidding on this project. All door hardware (electric latches) shall be installed by contractors on this project. Card Readers and server controlling the doors will be provided and installed by TAMU.
39	Confirm the following are 'not' provided by the plumbing contractor, as typically seen on lab projects: lab sinks (sink, TMV, faucet w/ vacuum breaker, drum traps, etc.), lab emergency showers, eye-washes, RO spouts, gas turrets, and overhead ceiling service panels.	Each bidding contractor is to furnish a complete and fully functional project. It is their prerogative as to which sub-contractor furnishes what scope and to fully coordinate so that there is no overlap or unprovided items. In event there is a conflicting specification between lab drawing and MEP drawing clarify your bid with provided item.
40	Mobile Casework/Benches & Fume Hoods	
	a. Gas Turrets – Confirm these are provided with mobile casework/benches and fume hoods. Architectural drawing (A03.010) and Div. 11/12 specifications appear to indicate as such.	Specifications for these items are provided as part of the casework and fume hoods for the project.
	b. Mobile Casework/Benches – Confirm hook-up from ceiling service panels to mobile casework/benches is by others. If by plumbing contractor, please clarify requirements (flex hose, etc.).	Again, see item 39 above - General contractor shall coordinate their sub-contractor.
41	Confirm that lab waste neutralization is not required. No requirements currently shown.	Confirmed. TAMU regulations do not permit dumping of acids or bases down sinks. They will be held for removal by hazardous waste operator.
42	Please confirm that required faculty lab piping requirement per P02.01 keyed note 23 applies to faculty labs 5 & 6 and BSL 2. Note appears on faculty labs 1 – 4, but not others.	Confirmed - the note 23 needs to be applied to Faculty Lab 5, 6, (Rms 122, 123), BSL2 Lab Room 124, Electrical Lab Room #125, and Clean room 126A.
43	Architectural drawings (A03.100) require SG, air, NO2, and vacuum at most wall/ceiling service locations. Plumbing drawings require SG, air, nitrogen at most locations. Confirm that the plumbing drawings should be followed for all plumbing hook-up requirements. Note that there is no vacuum system (equipment or piping) on the plumbing drawings.	Follow Plumbing drawing requirements. References to Vacuum to be deleted from architectural drawings.
44	Confirm is domestic water is required at overhead ceiling service panels per P02.01 and P03.01. However, plumbing riser diagram (P06.01) and architectural documents (A03.100/15) do not require water at ceiling service panels. Note that it is very unusual to find water hook-ups at these panels on lab projects. Also, there are no drainage/sink requirements at the benches served by these panels.	Confirmed. TAMU requested this service fixture. Architectural will be revised in addendum conformance set.
45	Compressed Air Outlet Detail (P04.01/11) – Clarify where this detail is applicable. Documents also call for Water Saver valve/regulator/gauge at all air outlets per P02.01/GN#9, so the two appear to conflict.	Compressed air outlet shown on P02.01/GN#9 is to be used at all lab locations on the benches and at the wall locations. Detail PO4.01/11 is to be deleted from the set.
46	Wall Air/Gas Service Connections – Clarify wall outlet service type for gases/air. Plumbing drawings indicate Water Saver with valve/regulator/gauge/quick-connect assembly. Architectural documents indicate turret only. Reference details A03.010/2 and P04.01/14.	Delete detail A03.010/21 from architectural drawings. Use P04.01/14 for all turret locations, including on mobile benches. Architectural will be revised in addendum conformance set.

RFI	QUESTION	RESPONSES
	OVERHEAD SERVICE PANELS	
47	a. Confirm if WaterSaver valve/regulator/gauge/quick-connect assembly (P04.01/14 and P03.01/1) is required per plumbing documents, or just a quick connect. Architectural documents (A03.100/15 and 12.35.53, 2.6) seem to indicate just a quick connect is required.	All ceiling panels to use quick connects, except for domestic water tap (question 44).
48	b. Confirm if ceiling service panels are to come with the quick-connect/WaterSaver assembly installed at factory. These are often provided by the lab furnishing contractor, with the plumbing contractor only piping to the assembly.	Confirmed. Work scope for sub-contractors is determined by General Contractor. Delete detail A03.010/21 from architectural drawings. Use P04.01/14 for all turret locations, including on mobile benches. Architectural will be revised in addendum conformance set.
49	Technology General Note 17 on Sheet T00.01 calls for two (2) Category 6A cables to the Building Automation System. Note #2 on Sheet T02.01 calls for one(1) Category 6 cable to support the Building Automation DDC Panel. Is this a total of three cables? If not, please clarify which cable, Cat 6 or Cat 6A is required and is it 1 cable or 2 cables.	Provide 2 cables to BAS. Category 6A
50	Technology General Note 18 on Sheet T00.01 calls for one (1) Category 6 cable to the buildings Access Control Head End Panel. No notes referencing this cable are called out on Sheet T02.01. Is this an additional cable not shown on the drawings? If this locations is on sheet T02.01, please identify this locations.	This is an additional cable not shown on drawings. Location from Access Control Head End Panel to the BAS.
51	Addendum 1 Demo plan now calls for the flooring in the lobby and vestibule to be removed; however the new finish plan issued for addendum 1 is still calling for existing floor to remain. Please clarify.	The flooring is to be removed from the addendum. Floor is to be polished concrete as shown on Addendum 1 sheet A02.701
52	Please verify that SNRKL 1 should be provided with a blower fan per the specifications, if fan is to be provided please provide electrical circuit information.	SNRKL 1 is not to be provided with a blower. They connect directly to the general exhaust system (no valve, constant volume). These will be added to sheet M0.50.1 in addendum conformance drawing. See keynote 19 on M02.01.
53	Question 63, from Addendum, had a response "Yes. All ductwork and MEP systems are exposed to view. Insulation is not required on interior ductwork except for Outside air intake ducts from louver to the air handler." This contradicts the specs which call for exposed interior duct to receive insulation, please confirm response to question 63 should be followed	Confirmed. Exposed interior duct, <u>except for outside air duct</u> , is not be insulated. Specification will be revised for addendum conformance.
54	Question: Sheet 02/A02.701 -- What is flooring supposed to be the area highlighted in yellow below? Addendum 1 shows view 2, but does not have the flooring for the existing and back of house areas (service corridor, MEP rooms, receiving, etc.	Any room that is not noted to have a finish is to be sealed concrete only - not polished.



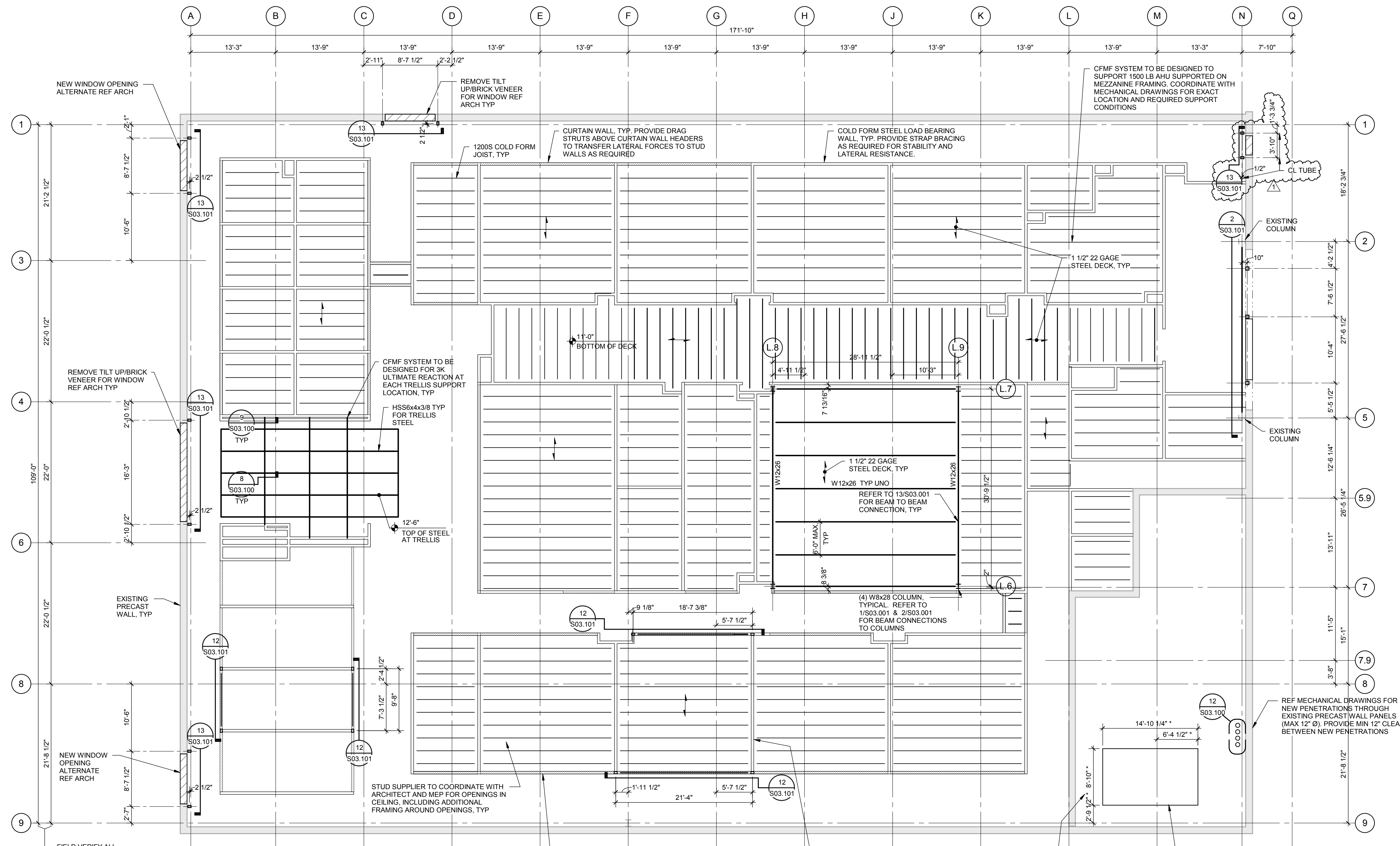
Seal / Signature

Date	Description
02/01/2018	ISSUED FOR BID
1 02/27/2018	ADDENDUM 02

Project Name
HEALTH TECHNOLOGIES BUILDING - (HTB)
Project Number
02.8372.000
SSC Project Number
2017-02167
Description
MEZZANINE - FRAMING PLAN

Scale As indicated

S02.202



- PLAN NOTES COLD FORM LOAD BEARING FRAMING:**
- SEE PLAN FOR BOTTOM OF DECK ELEVATIONS.
 - STEEL DECK SHALL BE PLACED WITH A TWO-SPAN CONDITION MINIMUM. NO SINGLE SPANS ARE ALLOWED WITHOUT WRITTEN APPROVAL OF ENGINEER-OF-RECORD.
 - VERIFY EXACT LOCATIONS AND EXTENTS OF STUD WALLS AND CURTAIN WALL WITH ARCHITECTURAL DRAWINGS. CFMF CONTRACTOR TO PROVIDE SIGNED AND SEALED DRAWINGS FOR WALL AND JOIST DESIGNS INCLUDING HEADERS, BRACING, AND CONNECTION TO STRUCTURE. COLD FORM JOISTS AND LOAD BEARING WALLS SUPPORTING HANGING CEILING SHALL MEET THE LOAD REQUIREMENTS AS SHOWN ON CONTRACT DOCUMENTS. REFER TO SPECIFICATIONS AND GENERAL NOTES PART V - COLD-FORMED METAL FRAMING.
 - CFMF SYSTEM TO BE DESIGNED FOR:
 - DEAD LOAD: SELF WEIGHT
 - SUPERIMPOSED DEAD LOAD: 20 PSF
 - LIVE LOAD: 20 PSF OR 300 LBS CONCENTRATED LOAD ACTING OVER AN AREA 2.5 FEET SQUARE (WHICHEVER IS MORE RESTRICTIVE)
 - LATERAL LOAD: 5 PSF
 - PROVIDE TEMPORARY AND PERMANENT BRACING BETWEEN COLD FORM FRAMING AS REQUIRED.
 - PROVIDE A CONTINUOUS 1/4" BENT PLATE OR ANGLE AT ALL EDGES AND OPENINGS, UNLESS NOTED OTHERWISE.
 - REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN.
 - CONTRACTOR TO PROVIDE DESIGN AND ATTACHMENT DETAILS OF ALL EQUIPMENT AND COORDINATE LOCATION AND LOAD REQUIREMENTS WITH THE JOIST SUPPLIER.
 - REFER TO S03 SHEET SERIES FOR TYPICAL FRAMING SECTIONS AND DETAILS.
 - REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR PENETRATIONS NOT SHOWN.
 - REFER TO TYPICAL DETAILS FOR ADDITIONAL REINFORCEMENT REQUIREMENTS AT OPENINGS.
 - ALL MEP DUCTWORK AND CONDUIT TO BE COORDINATED WITH STRUCTURAL ELEMENTS BY CONTRACTOR.
 - THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS, ELEVATIONS, AND DIMENSIONS SHOWN ON THE PLAN, SECTIONS, AND DETAILS PRIOR TO BEGINNING THE WORK OR SUBMITTING SHOP DRAWINGS. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING THE WORK. THE NEW CONSTRUCTION MAY NEED TO BE MODIFIED BASED UPON ACTUAL EXISTING CONDITIONS.

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