ADDENDUM NO. 2

to the
DIV 22 - PLUMBING
SUBCONTRACTOR BIDDING DOCUMENTS

April 25, 2017

GENERAL
The following changes, additions or deletions shall be made to the following Contract Documents. All other conditions shall remain the same.

I. TABLE OF CONTENTS

2. ADD Exhibit 15: 3-Form Renderings
3. ADD Exhibit 16: AHU Submittal
4. ADD Exhibit 17: Revised A10.20
5. ADD Exhibit 18: 087100 Door Hardware - Spec Revision

II. INSTRUCTIONS TO BIDDERS

1. CHANGE 6.1 Opening of Bids to read as follows:

“6.1 OPENING OF BIDS

6.1.1 Bids which have the required identification as stipulated in Article 5.3.1 and are received on or before the Bid Deadline will be opened publicly. The public bid opening will occur at 2:15 PM, Friday, April 28, 2017 at the office of Dome Construction Corporation 393 East Grand Avenue, South San Francisco, CA 94080.”

III. EXHIBITS

2. ADD Exhibit 15: 3-Form Renderings
3. ADD Exhibit 16: AHU Submittal
4. ADD Exhibit 17: Revised A10.20
5. ADD Exhibit 18: 087100 Door Hardware - Spec Revision
IV. CLARIFICATIONS

a. Question: The project drawings show the corridor flooring being removed and replaced in several locations. In some areas (i.e. – Phase 1.2 and 1.4) the mastic underneath this flooring is hazardous. Is it possible to do the corridor flooring/demolition in these areas in one shot (i.e. – one long weekend) to prevent the demolition/abatement subcontractor from setting up and taking down containment multiple times? This would result in faster/cheaper abatement but would leave exposed concrete floors until the new flooring is installed towards the end of these phases. EH&S should be consulted to determine whether this is acceptable.

Response: Yes, corridor flooring demolition can occur in one shot. Exposed concrete is acceptable, but it must be leveled. Any inconsistencies/divots must be corrected to keep the floor safe to walk on; a full float is not necessary if not needed.

b. Question: Please confirm installation sequence for corridor flooring. Corridor flooring will need to be installed after the removal of temporary construction barricades in corridors. Should we figure working weekends at the end of each phase to demo existing flooring and install new corridor flooring?

Response: Yes. After temporary construction barriers are deconstructed (towards the end of each phase) – corridor flooring and paint work can occur on weekends to maximize productivity. Bidders should figure as much weekend OT premium time as necessary to complete the corridor scope in each phase.

c. Question: Please confirm the existing Hot Lab has been decontaminated and decommissioned. Please also confirm the fume hood exhaust duct which is shown to be cut/capped as a part of Phase 1.3A has been decontaminated.

Response: The University will decontaminate/decommission the existing Hot Lab space prior to demolition of Phase 1.3A. Decommissioning reports will be provided.

d. Question: Demolition drawing AD2.01.1E (Phase 1.1E) calls for the demolition of Reading Room M377 and Chest Reading Room M379. Demolition drawing AD2.02.1E (Phase 2.1E) also calls for the demolition of these two rooms. Please confirm whether demolition of these two rooms will occur in Phase 1.1E or Phase 2.1E.

Response: Demolition can occur within Phase 1.1E. These 2 rooms, however, will need to occur after demolition of the rest of the phase. The users need time to move out; once it is clear, demolition can begin. The phasing schedule will be updated to show this new sequencing.

e. Question: Is there any conduit run through the slab at this facility?
Response: It should be assumed that no conduit runs horizontally through the slab at this facility. Please note that prior to all saw cutting or coring, concrete scanning (via GPR or X-Ray) will be required to identify obstructions.

f. Question: Please confirm procedures for debris removal.

Response: All debris should be bagged and removed from the construction area in trash carts/buggies covered in visqueen. Wheels on trash carts/buggies should be kept clean. Debris can be transported down to the building loading dock via the freight elevator, and disposed of in UCSF’s debris bin in the loading dock area. In order to get access to UCSF’s debris bin, contractor disposing of material must “check out” key from UCSF Facilities in L-210 (adjacent to debris box/loading dock).

g. Question: Please confirm the working hours for underfloor work. Much of it occurs over the kitchen/cafeteria area.

Response: All underfloor work to occur between 11 PM and 6 AM.

h. Question: Two-part clarification for the demolition & abatement trade:

1. Per the advertisement for bids, it states Div 02 must have C-21 and C-22 with ASB & Haz Certifications. Are both C-21 and C-22 necessary? C-21 is primarily for structural demolition. It is defined as follows: "A building moving/demolition contractor raises, lowers, cribs, underpins, demolishes and moves or removes structures, including their foundations. This classification does not include the alterations, additions, repairs or rehabilitation of the permanently retained portions of such structures."

Response: The contractor’s license requirements for Div. 02 – Demolition & Abatement will be amended so only a C-22 license with ASB certification is required.

2. As for the HAZ Certification, can you identify the purpose of this?

Response: The contractor’s license requirements for Div. 02 – Demolition & Abatement will be amended so only a C-22 license with ASB certification is required.

i. Question: On page E2.1.1.1-E (page 108 on Vol 2), they show R fixture types pointed at j-boxes. Please confirm it is a single point of connection there for those instances.

Response: The R fixture type has three power supply connections. The power supplies are served from the same branch circuit.

j. Question: Please confirm who must pick up the light boxes themselves. Do electricians just need to power them or provide them as well?
Response: The casework vendor is responsible for picking up all the 3form products (purchase & install). Electricians need to provide power to them.

Casework vendors: Please contact Jessica Asvitt (Jessica.Asvitt@3-form.com) & Meg Bruce (meg.bruce@3-form.com) to get a quote. They are familiar with the project. I have also attached the renderings for these for reference.

k. Question: There are Aluminum-Framed Doors and All-Glass Doors in the Door Schedule (SL1, FG-FG,V-V7). Would that be part of the glazing scope of work? (Section 081370 Interior Sliding Aluminum Framed Doors and Office Fronts, Section 084243 ICU-CCU Entrances and Aluminum Glass Entrances Doors).

Response: Yes. Please refer to your scope of work document. It states it in the “Scope Specific Inclusions” portion:

“iii. All aluminum storefront and glass doors shown on project drawings.
iv. Includes glass door(s) where shown.”

l. Question: Please inform us of which flooring material, if any, goes in rooms 315, 380, 388, 308, 310, 312, 316, 316A, 318, 320, 320A, 322, 324, 332, 336, and 338. These rooms were not shaded, had no stopping line at the doorways to the corridor, and had no mention as to material or existing in the room. Sheet note 9 only refers to (E) finishes.

Response: Only rooms with a new finish identified should be figured as taking new flooring. The rooms listed above DO NOT take new flooring.

m. Question: For the Nora Sentica and Environcare, are we to bid on 2mm or 3mm material?

Response: 3mm.

n. Question: Section 03-54-16 1.1 A Self-Leveling underlayment / Float out in four rooms to a smooth finish: Please specify 3/16”, 1/4”, or 1/2” for height.

Response: In equipment rooms (L-342, M-331, M-337, M-327) – a full float should be provided for a completely flat and level floor. Presumably, the condition of the existing slab will determine the thickness of underlayment required to achieve a flat surface.

o. Question: For data, how many cables per triangle type are there?

Response: Provide the following:
- One (1) cable per triangle for the following areas: Temperature Control Panel, Storage Rooms, and Utility Rooms
- Two (2) cables per triangle for the following areas: Dressing Rooms, Patient Holding, and Staff Work Areas
- Three (3) cables per triangle for the following areas: Reception Desk, Offices, Nurse Station, and Prep Area
- Four (4) cables per triangle for the following areas: Procedure Room and Control Room

p. Question: Do you want the existing cabling locations removed or left in place?

Response: Per sheet note #2 on the various signal demolition plans (ED2.1.1.3-E, ED2.1.2.3-D, ED2.1.3.3-A, ED2.1.4.3-D) – “Existing signal devices to be removed shown dashed heavy; remove existing devices (signal devices, backboxes, junction/pull boxes, conduit, etc.) and associated wiring…”

q. Question: In the 2nd Floor Kitchen Area:

1. Please specify the actual work hours for construction in the kitchen.

Response: All underfloor work to occur between 11 PM and 6 AM.

2. Will ceiling removal and replacement be provided or will each subcontractor need to provide their own?

Response: Where work occurs above spline ceilings – Dome to provide ceiling removal and replacement. Where work occurs above acoustical ceilings, subcontractor will be expected to remove and replace tiles. Subcontractors shall exercise care to ensure ceiling tiles are not damaged during removal or replacement.

3. What is the requirement for ceiling closure each night at the end of the work shift? Is temporary covering acceptable or does the ceiling need to be re-installed each night?

Response: The ceiling needs to be reinstalled each night. The only exception is at spline ceiling locations. At those locations, temporary visqueen can be used in lieu of spline patching each night.

4. Will infectious controls be provided or will each subcontractor need to provide their own?

Response: Dome will setup infection control measures prior to commencement of work on 2nd floor (i.e. – zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

5. Will scaffolding be provided or will each subcontractor need to provide their own?
Response: Each sub will need to provide means of access to their work (i.e. scaffolding, lifts, etc.).

r. Question: In the 2nd Floor 12kV Switchgear Room:

1. Will scaffolding be provided or will each subcontractor need to provide their own?

Response: Each sub will need to provide means of access to their work (i.e. scaffolding, lifts, etc.).

2. Will protection (from coring, drilling anchors and installing conduits/racks) between the 12kV switchgear and the ceiling above, be provided or will each subcontractor need to provide their own?

Response: Dome will setup dust control measures in switchgear room. Subcontractor shall be responsible for catching core & cleanup.

s. Question: Spec Section 26 00 00 1.01 A. 1.

1. Please provide list of equipment not shown in drawings for which the electrical contractor is required to provide power at no increase in Contract Price.

Response: Electrical bidders to review all drawings (architectural, electrical, vendor, etc.) and include power as shown. Any power not shown in drawings that is requested will be an add to the electrical scope at an increase in Contract Price.

t. Spec Section 26 00 00 1.07 B. 1-3.

1. If the electrical contractor is to work out all conditions with all other trades as specified, please provide guidelines for the coordination procedures. Which trade will generate the original drawings to be modified by all other trades?

Response: The HVAC contractor will be responsible for generating the original drawing which will be overlaid against the structural drawings to check for conflicts. From there, the coordination drawing will be shared with the rest of the overhead trades (electrical, plumbing, fire sprinkler, framing) for thorough review. These trades will provide a list of conflicts or potential conflicts for review and resolution with other trades.

u. Question: Spec Section 26 00 00 3.06 J.

1. During the site visit we were not allowed access to view the above ceiling conditions. As specified, the electrical contractor is remove and relocate all existing feeders, lighting, power branch circuits, fire alarm, nurse call, intercoms, clocks, telephone, data, and other systems that will remain in service. The electrical contractor is to also relocate each circuit independently. Please provide the size and
number of raceways to be included in these relocation as well as the wiring to be assumed within each.

Response: Electrical bidders to review all drawings and include what is shown. Any unforeseen work not shown in drawings will be an add to the electrical scope at an increase in Contract Price.

v. Question: Spec Section 26 01 20 1.03 D, E, F, G.

1. As specified the electrical contractor is to provide temporary power for all electrical items which are required to be operational during shutdowns. Please provide a list of all equipment requiring temp power as well as the necessary breaker sizes and panels to be utilized for temp power.

Response: Electrical bidders should complete all work possible prior to shutdown to minimize the duration of each shutdown. For pricing purposes, all bidders to assume temp power requirements for 4 hours or less per shutdown. Any shutdowns over 4 hours will be an add to the electrical scope at an increase in Contract Price.

w. Question: Spec Section 26 05 00 2.08.

1. Please confirm the painting scope of work to be included in the electrical contractor scope of work.

Response: Painting is not included in electrical scope of work. All painting scope of work to be covered by painting bidder.

x. Question: Spec Section 26 05 33 3.02. 17. and 26 05 48 3.01 E.

1. Are exterior bonding jumpers required on the liquid tight flex seismic connections to the top of all switchgear and panels as well as at the building seismic joints?

Response: Yes.

y. Question: Spec Section 26 08 01

1. Can any of the NETA testing of the electrical equipment take place at the manufacturer’s factory or is all testing required to take place on site?

Response: All testing required to take place on site.

z. Question: Exhibit 3 – Div. 26 Scope of Work, General Terms xxii and xxv

1. Will infectious controls, ceiling access, scaffolding, etc. be provide or will each subcontractor need to provide their own individual infectious controls, ceiling access and scaffolding as specified, even in areas requiring work by multiple trades?
Response: Dome will setup infection control measures prior to commencement of work (i.e. – temporary construction barriers, zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of phase or shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

Where work occurs above existing spline ceilings – Dome to provide ceiling removal and replacement. Where work occurs above existing acoustical ceilings, subcontractor will be expected to remove and replace tiles. Subcontractors shall exercise care to ensure ceiling tiles are not damaged during removal or replacement.

Each sub will need to provide means of access to their work (i.e. scaffolding, lifts, etc.).

aa. Question: Exhibit 3 – Div. 26 Scope of Work, Scope Specific iv

1. Please confirm that the electrical contractor is to cut and drop all existing conduits and wring for demolition rather than safe-off for demo by others.

Response: Confirmed.

ab. Question: Exhibit 3 – Div. 26 Scope of Work, Scope Specific vi and ix

1. Please provide temp fire alarm, temp power and temp lighting requirements for each phase.

Response: Fire alarm coverage needs to be maintained throughout the course of construction. This can include temporarily supporting existing devices (when possible), re-routing existing conduit/wiring, etc. Means and methods will be determined in the field and may vary from phase to phase.

Temporary power shall be provided to each phase and shall be pulled from the nearest panel with available circuits.

Temporary lighting shall be provided to each phase as needed. Temporary lights shall remain on site until permanent lighting can be energized.

ac. Question: Exhibit 3 – Div. 26 Scope of Work, Scope Specific x

1. Please confirm that the electrical contractor is to include the entire Comtel Nurse Call System installation within the electrical proposal.

Response: Comtel Nurse Call System should not be included within the electrical proposal. Rough-in, however, is still required per the nurse call layout shown on the current drawings.
ad. Question: Exhibit 3 – Div. 26 Scope of Work, Scope Specific xix

1. Please provide list of equipment requiring power that may be shown on the architectural, equipment vendor, fire alarm and mechanical drawings but are not shown on the electrical drawings. Also, please provide specific electrical requirements for each type of equipment.

Response: Electrical bidders expected to review all drawings (architectural, electrical, vendor, etc.) and include power as shown. Any power not shown in drawings that is requested will be an add to the electrical scope at an increase in Contract Price.

ae. Question: Exhibit 3 – Div. 26 Scope of Work, Scope Specific xxiii

1. Please provide structural engineering requirements to be created by Mason West and included in the electrical proposal.

Response: Any additional structural engineering required for unforeseen conditions will be coordinated by CM, with assistance from electrical subcontractor in identifying conditions and locations.

af. Question: It appears as if the bid bond is in UCSF favor and not the CM at risk. It doesn’t make sense to have UCSF on the bond, since Dome is accepting the quotes. Can you explain?

Response: Because the CM/Contractor, Dome Construction, is receiving the bids on behalf of the University, the bid bonds are in favor of the Regents of the University of California.

ag. Question: Please clarify what classifies as noisy work.

Response: Typical activities classified as noisy work are roto-hammering, saw cutting/coring, concrete chipping or jackhammering, cutting metal framing members, floor grinding or bead blasting, etc. Dome and the University will have the right to stop work due to noise at any point if requested by users, staff, or patients. All noisy work (cutting, drilling, coring, etc.) to occur off-hours. Off-hours is defined as 6 PM – 6 AM on weekdays and all-day on weekends.

ah. Question: Please clarify the following regarding the Specialties division:

1. Is this an OSHPD job?

Response: Yes – OSHPD I.

2. How many move-ins are expected for Specialties?

3. Is there any additional information that is known besides what is written on the bid docs?

Response: Any new information will be released as addenda.

ai. Question: There are differences between the fire alarm plans issued by UCSF CLS-FAC Services and those issued by Cammisa Wipf. Example, phase 1.1 (area E) UCSF issued plan (FA-1) show new devices at column lines Q-R/8-9 while the CW plan (E2.1.1.4-E) shows no new devices. Also, the UCSF plans seem more complete, showing quantities of cables, modules, connections to door holders, etc. Which plans do we use as our basis for the bid?

Response: Please build to the fire alarm plans issued by UCSF CLS-FAC Services.

aj. Question: Please clarify the following:

1. Question: How much work, if any, will be performed under full or partial asbestos containment, and who provides the containment?

Response: Asbestos containing areas to be abated by Demolition/Abatement contractor prior to construction work being done. Please refer to the Hazardous Material reports for asbestos-containing locations for reference.

2. Is there any dust and infectious work requiring tenting and, if so, who provides this work, including set-up and take-down?

Response: Dome will setup infection control measures prior to commencement of work (i.e. – temporary construction barriers, zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of phase or shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

Where work occurs above existing spline ceilings – Dome to provide ceiling removal and replacement. Where work occurs above existing acoustical ceilings, subcontractor will be expected to remove and replace tiles. Subcontractors shall exercise care to ensure ceiling tiles are not damaged during removal or replacement.

Each sub will need to provide means of access to their work (i.e. scaffolding, lifts, etc.).

3. Question: Other than the usual power shut-downs and testing of fire alarm system, how much over-time work do we include?
Response: All noisy work (cutting, drilling, coring, etc.) to occur off-hours. All shutdowns to occur off-hours. All work outside of temporary construction barriers (i.e. – in circulation areas/hallways, underslab, etc.) to occur off-hours. Off-hours is defined as 6 PM – 6 AM and all-day on weekends.

Please refer to Exhibit 6: Preliminary Construction Schedule in the “Exhibits” folder for these instances.

aj. Question: Is registration with the Department of Industrial Relations an annual requirement, or do we need to do it just once?

Response: Please visit https://efiling.dir.ca.gov/PWCR/ for details. Here is an excerpt:

“Applications completed for an inactive or new registration will only apply for the current fiscal year.

Contractors must pay applicable fees and penalties to complete PWC registration. Registration fees and penalties may include:

A nonrefundable fee of $300
A penalty fee of $2,000 when a contractor who has failed to register has:
bid on a public works project on or after March 1st, 2015
been awarded a public works project on or after April 1st, 2015
$300, for inadvertent lapses in registration (failure to renew before bidding or working on a public works project) as long as the registration is renewed by September 30th. Renewing with a lapsed registration after that date will result in a $2,000 penalty.

Payment by credit card will be processed within 24 hours. Other forms of payment can take up to 8 weeks to process. The other forms of payment should not be used if you need a registration number immediately.

PWC Registration Fiscal Year:
Registration and renewal is on a fiscal year (July 1 to June 30) basis.

Early Renewals:
Contractors who have an active PWC registration number will be able to renew for the next fiscal year as early as May 1st. Please note: Contractors with an inactive PWC registration who attempt to do so for the current fiscal year.”

ak. Question: The fire alarm specs (28 31 00), paragraphs 1.03-A and –B, imply that UCSF will provide all “parts and smarts” including design, shop drawings, installation of all devices, any and all required relocations of existing devices, any and all terminations including final terminations, programming and testing, start-up and certification for a complete and operable (turn-key) fire alarm system. Please confirm. Also, the fire alarm specs (28 31 01), paragraphs 3.03 through 3.05, refer to
testing, instructions and certification. This should be performed by UCSF per the previous spec section 28 31-00 (question 38 above). Please confirm.

Response: As stated in the Electrical Exhibit 3 document, electrical vendors are to “Provide revisions to existing fire alarm system (wiring only) to ensure system coverage is not affected during demolition and construction.” Please also refer to the sheet notes on page E0.1 regarding electrical scope as it relates to fire alarm.

al. Questions regarding demolition & abatement:

1. The flooring abatement will consist on the removal of ACM floor within the work areas only, or will consist of the removal of all ACM flooring identified in the survey reports?

Response: Work areas only.

2. Survey report shows corridors M3C6 and M3C9 that contains ACM. Such corridors we could not find them anywhere on the drawings. Any idea of where these corridors are located?

Response:
- M3C6 is in Phase 2.1E & 2.2C. It is the corridor along the new Diagnostic Angio room.
- M3C9 is located next to M383.

3. I’m also submitting a proposal for the soft demolition. The proposals need to be submitted separately from the abatement correct?

Response: No. Demolition & abatement must be submitted as one proposal.

4. I understand that the proposals cannot be submitted by building connected. Can they be e-mailed to you directly?

Response: No. Please review all requirements below –

- All bids must be on the provided Bid Form. No exceptions.
- Bid form must be fully completed and signed.
- Bid form, along with any other required documents (i.e. – Contractor’s Statement of Experience or Bid Bond), must be submitted in a sealed, opaque envelope at the following location, day & time –

  Office of Dome Construction Corporation, at 393 East Grand Avenue, South San Francisco, CA 94080 (ATTN: Tim Cadenasso)

  Friday, April 28th, 2017, 2:00 PM
• Bids SHALL NOT be submitted on BuildingConnected.
• Bid envelopes should contain bid form and required documents ONLY. No qualifications, inclusions/exclusions should be in the envelope or the bid will be rendered non-responsive.

Questions regarding painting:

1. Are we to assume PT-1 on all walls in rooms that are not grayed out but also have no finish designation? See perimeter offices an A110.11D for examples.

Response: Sheet 10.11D should have shown new wall base on the new walls of offices M316A, M316, M318, and M324 and should have shown these rooms with fresh paint PT-1 on all walls inside these rooms.

2. Should we figure to prime behind wall protection where paint is not specified?

Response: Yes.

3. Are there any painted bases throughout? Schedule designation is unclear.

Response: No, base purchase and install per finish schedule.

Question: The architect did not give a complete specification of the rubber flooring being used. The specified rubber flooring comes in rolls and tiles with different thicknesses. I would assume roll goods but the spec section refers to tiles too. Can you clarify?

Response: For the rubber base, the base is 1/8” thick in 4ft sections. For the rubber flooring, Nora Sentica and Environcare, use 3mm roll goods. (See also response to RFI 13).

Question: DOOR HARDWARE RFI: THE HARDWARE THAT HAS BEEN SPECIFIED IN HARDWARE GROUP 101 IS NOT INTENDED FOR USE WITH AN ALL-GLASS DOOR, SPECIFICALLY THE AUTO FLUSH BOLTS AND LOCKSET. PLEASE SPECIFY / CLARIFY DESIGN INTENT AND HOW THESE DOORS ARE TO OPERATE. IF THEY ARE EGRESSES DOORS THEY WOULD REQUIRE A BLUMCRAFT STYLE PANIC DEVICE. A MAGNETIC HOLD OPEN IS RECOMMENDED IF THEY ARE TO HOLD OPEN AT 180°.

Response: See revision in Spec 087100 attached as Exhibit 18 for the glazing sub and doors sub.

Question: DOOR M372.1 FRAME RFI. THE DETAILS SHOWN FOR THE DOOR FRAME ON 6 AND 14/A9.24 SHOW A STAINLESS-STEEL JAMB THAT THROATS THE WALL. THIS IS NOT A TYPICAL FRAME THAT WE CAN PROVIDE. PLEASE CLARIFY WHO IS PROVIDING THE FRAME AND THE
COORDINATION FOR PREPPING IT TO RECEIVE THE DOOR HARDWARE.

Response: All hollow metal door & window frames and any door frames that throat the wall should be provided by the Div 08 – Doors, Frames, Hardware subcontractor; glass doors themselves to be provided by glazing sub.

ar. Question: SPECIFY GLAZING THICKNESS TO BE USED AT W1 AND W2 WINDOWS.

Response: W1 and W2 to be 3/8” fully-tempered glass. See Spec Section 08 81 00, 1.2.

as. Question: DETAILS 2, 3/A9.35 FOR WINDOW TYPES W1 AND W2 HOLLOW METAL FRAMES, BUT THE JAMBS SHOWN IN DETAILS 6, 14/A9.24 ARE SURFACE MOUNTED AGAINST THE WALL. NOTE 5 ON SHEET A.201.IE ALSO CALLS FOR (N) STOREFRONT. PLEASE CONFIRM WE ARE ONLY TO PROVIDE GLASS ONLY AT W1 AND W2 AND THAT FRAMES ARE BY OTHERS.

Response: All hollow metal door & window frames and any door frames that throat the wall should be provided by the Div 08 – Doors, Frames, Hardware subcontractor. Div 08 – Glazing subcontractor to provide glass only at W1/W2 windows.

W1 and W2 are hollow metal frames. A note on detail 14/A9.24 calls the window out as a hollow metal window. The focus of details 6 and 14 was on the detailing of the door, 3form light boxes, and decorative alum panels; drafting of the jamb in this instance is graphically inaccurate.

at. Question: NO DETAIL HAS BEEN PROVIDED FOR THE HORIZONTAL JOINTS AT THE BACK PAINTED GLASS IN THE ELEVATOR LOBBY. PLEASE PROVIDE.

Response: Details for horizontal joints at the back painted glass have been added to the OSHPD set as OSHPD required mechanical fastening in addition to the mastic. See revised sheet A10.20. Exact trim profiles will be finalized with shop drawings.

au. Question: DETAIL 15/A10.20 IS CALLING FOR PURCEL ENOSA STAINLESS STEEL TRIM AT BOTTOM OF THE BACK PAINTED GLASS IN THE ELEVATOR LOBBIES. THIS PRODUCT IS FOR USE WITH TILES AND IS NOT PROVIDED BY THE GLAZIERS. IS THIS PRODUCT BEING PICKED UP BY THE SUB DOING THE WALL BASE? IT WILL BE EXCLUDED FROM OUR PROPOSAL.

Response: This stainless-steel schluter is to be picked up by the tile trade.
Detail 15/A10.20 has been revised per OSHPD comments. See revised sheet A10.20. The trim at these locations will no longer be Porcelanosa. The stainless-steel trim in the revised detail will be required for support of the glass and will need to be provided by the glaziers. Exact trim profiles will be finalized with shop drawings.

Please note - There are no exclusions/inclusions allowed on your proposals.

av. Question: WHAT IS THE THICKNESS OF RESIN PANEL RE-4?
Response: 1/2”

aw. Question: PLEASE PROVIDE GLAZING SPEC FOR WINDOW W3, W4, W7, W10, W11
Response: Please refer to Spec Section 13 49 63 X-ray Protection.

ax. Question: PLEASE CONFIRM WHO IS PRICING THE LEAD LINED HOLLOW METAL FRAMES?
Response: All hollow metal door & window frames to be provided by the Div 08 – Doors, Frames, Hardware bidders. This includes all lead lined HM frames.

ay. Question: PROPOSED LEVEL 3 FLOOR PLANS - PHASE AREA C IS MISSING, PLEASE PROVIDE.
Response: Please refer to A2.02.2C, A2.03.1C, and A2.04.1C.

az. Question: VFD’s for supply fans:

1. The mechanical drawings state that all supply fan VFD’s will be Dual VFD’s. The single line diagram on Drawing E1.1.2 only shows a Dual VFD for SF3W.2 whereas the floor plan E2.1.1.2-E shows a Dual VFD for SF3S.4. Please confirm the types of VFD for all supply fans and provide wiring requirements for Dual VFD vs. Single VFD.

Response:
- All of the VFDs are dual VFDs with a single electrical point of connection.
- On Sheet E1.1.2, there is a drafting error for SF3W.2. There is only one dual VFD, the second VFD is not required.
- On Sheet E2.1.1.2-D, there are two VFDs shown in the Equipment Closet. One VFD serves SF3S.4 and the other serves SF3N.3, which will be installed in Phase 2.1. There is a drafting error and each VFD has a separate homerun that is installed in Phase 1.1.
2. Are the feeds from MCC 2EF1 to follow the same path of travel through the open shaft as the feeder to Panel 3EPU3? If so, will PVC coated rigid conduits and NEMA 4X junction boxes be required?

Response: The homeruns to MCC 2EF1 can follow the same path of travel as the feeder to Panel 3EPU3 or other route(s) may be used. Conduit and junctions exposed to the weather shall be PVC coated rigid conduit and NEMA 4X junction boxes.

3. Drawing E2.1.2.2-D shows a VFD but no supply fan.

Response: The VFD shown in Future Storage M344 on Sheet E2.1.2.2-D serves SF3N.2 which will be installed in Phase 1.4. See Sheet E2.1.4.2-D.

4. Question: Drawing E2.1.4.2-D shows a VFD to supply fan SF-30 but SF-30 is not shown on the single line diagram on Drawing E1.1.2. Please provide revised single line diagram.

Response: This is a drafting error. The supply fan tagged as SF-30 on Sheet E2.1.4.2-D is the same supply fan tagged as SF3S.4 on Sheet E1.1.2. The supply fan tagged as SF-31 on Sheet E2.1.4.2-D is the same supply fan tagged as SF3N.2 on Sheet E1.1.2.

ba. Question: Grounding Detail 1 on Drawing E1.2:

1. We were unable to locate Ground Box GBM3B on the floor plans, please provide location.

Response: Locate Ground Box GBM3B on the north wall to the east of the VFD in Future Storage M344.

2. As all the panels shown on the Grounding Detail will need be connected to GBM3 and GBM3B, will this work need to be completed off hours in infectious controls tents?

Response: Yes, all work requiring a shutdown must take place on off-hours. Dome will setup infection control measures prior to commencement of work (i.e. – temporary construction barriers, zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of phase or shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

bb. Question: Radiology Rooms Equipment:

1. Please confirm if the main equipment disconnect switches/circuit breakers, EPO buttons, “In Use” lights, “In Use” controllers, x-ray warning lights, x-ray warning light controllers and door switches are to be furnished by others as part of the
radiology equipment packages or if these items are to be purchased by the electrical contractor.

Response: Please review Vendor drawings in depth as their schedule outline which items to be provided by electrical bidders.

bc. Question: Please confirm that any doors/frames/hardware required at temporary construction barriers is to be furnished & installed by subcontractor bidding Div. 08 - Doors and Frames.

Response: Confirmed.

bd. Question: Drywall confirmations:

1. Please confirm that the sealing/caulking of any penetrations made in rated/non-rated drywall assemblies is the responsibility of the trade making the penetration.

Response: Confirmed.

2. Please confirm that Owner/CM will be providing any required infection control and prevention PPE items (i.e. - isolation gowns & caps, disposable gloves, eye and respiratory protection, etc.).

Response: Dome will setup infection control measures prior to commencement of work (i.e. – temporary construction barriers, zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of phase or shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

In regards to prevention PPE items, we are not anticipating the need for this. However, in the event they are required, they will be provided by the owner/CM.

3. Please confirm that Owner/CM will be providing dust control at entry/exit points of work areas (i.e. - Zipwall dust barriers, walk off mats, etc.)

Response: Dome will setup infection control measures prior to commencement of work (i.e. – temporary construction barriers, zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of phase or shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

be. Question: A2.04.1C - In Room# M357 on the North, East and South walls a dashed line is adjacent to these walls which indicates Lead Lined Gyp Bd per the Partition Legend and there is Keynote #1 indicated as well, which is for UniStrut cart anchorage. Please clarify what is intended to be installed at these walls.
Response: The dash line indicates UniStrut cart anchorage. There are no lead lined walls in this room.

bf. Question: Detail 11/A10.20 - Please confirm that cont. blocking for bumper guard shown in lower portion of the detail can be 1 piece of sufficient width in lieu of the 2 pieces shown.

Response: All bids should be according to the plans dated 03.09.17 and 03.10.17. Please do not deviate from approved details in your bid.

bg. Question: Are there areas where we are going to be working that require us to be working in containment? If so, are we to provide our own containment and temp protection of finishes or will this work be provided by Dome?

Response: Containment is the responsibility of Div 02 – Demotion & Abatement trades. Areas that require containment to be abated prior to construction.

In regard to infection control, Dome will setup infection control measures prior to commencement of work (i.e. – temporary construction barriers, zip poles/visqueen, mobile infection control carts, etc.) and will tear down infection control measures at the end of phase or shift. Subcontractors responsible for cleanup of any and all debris, dust, etc. generated by their scope of work.

bh. Question: Please confirm that we are not responsible to strip, re-seal and re-insulate any existing ductwork to remain.

Response: Any ductwork stated to remain as (E) in the plans are not to be worked on, unless otherwise stated.

bi. Question: Who is handling fireproof patching?

Response: Subcontractor should not include costs associated with fireproof patching. If fireproof patching is required, it will be a change to the subcontractor’s scope of work.

bj. Question: Please provide some cut sheets for the AHU equipment that will be owner furnished we need to see the configurations for reconstructing any equipment that will need to be reassembled on the floor and know the weights and measures of this equipment for verifying access/path of travel etc.

Response: Approved AHU submittal added as an Exhibit.

bk. Question: Are we to provide all of our own coring and sawcutting?
Response: Bids shall include all work associated with penetrations made by trade, including coring, sawcutting, sleeving, fire caulking/stopping, and escutcheons. Include penetrations through rated and unrated assemblies.

bl. Question: Please confirm that both Pre & final air & water balance are to be performed by Nabco - direct.

Response: Confirmed.

bm. Question: Drawing M2.01 C Indicates by Note 22 that we need to repair a collapsed section of 45"x20" main duct, however it is not clear what the footage we are to include in our bid. Please clarify.

Response: Include repair of a four (4) foot section of the ductwork.

bn. Question: Drawing M2.01C sheet note 7 indicates that we are to provide a new Temp. Control Panel for the new Air handler which is to be owner furnished is the TCP coming with the air handler as an integral component or are we to have the DDC Controls Contractor Emcor provide? It indicates that this new panel is to be mounted to the AHU.

Response: The controls contractor (EMCOR) should provide the temperature control panels (TCPs) and field mount it to the Air Handling Unit.

bo. Question: Is Thermaflex MK-E flexible ductwork sufficient for areas that require temporary duct along with some shop fabricated sheet metal transitional fittings?

Response: Yes

bp. Question: Glazing specification 08 81 13 – Decorative Glazing calls for an alternate GL-1 material. Please confirm if we should provide alternate pricing for GL-1 ALT (3form XT Ghost)?

Response: Confirmed. The Div. 08 – Glazing bid form will be modified to include a section where alternate pricing can be included.

END OF ADDENDUM NO. 2
ADDENDUM NO. 1

to the
DIV 22 - PLUMBING
SUBCONTRACTOR BIDDING DOCUMENTS

April 13, 2017

GENERAL

The following changes, additions or deletions shall be made to the following Contract Documents. All other conditions shall remain the same.

I. TABLE OF CONTENTS

1. ADD Exhibit 13: 360-degree Panoramas.
2. ADD Exhibit 14: Click Safety Mandatory Program.

II.ADVERTISEMENT FOR BIDS

1. CHANGE to Bid Deadline.

   “Bids will be received only at the following location: Office of Dome Construction Corporation, at 393 East Grand Avenue, South San Francisco, CA 94080 (ATTN: Tim Cadenasso) and must be received at or before:

   2:00 PM, Friday, April 28th, 2017”

2. ADD to Mandatory Pre-Bid Conference the following:

   “A second MANDATORY PRE-BID CONFERENCE to review general project information, project timeline, and bidding procedures will be conducted on Monday, April 17, 2017 beginning promptly at 10:00 AM. The Pre-Bid Conference will be held via Conference Call – the dial-in number is 1-312-757-3121 with the Access Code 913-902-269 and the webinar link is https://global.gotomeeting.com/join/913902269. Only bidders who participate in the Pre-Bid Conference in its entirety will be allowed to bid on the Project.

   Bidders that attended the mandatory Pre-Bid Conference conducted on Monday, April 3, 2017 or April 10, 2017 are NOT required to attend this mandatory Pre-Bid Conference.

   Requests for Information (RFI) should be submitted by Thursday, April 20, 2017.”
III. INSTRUCTIONS TO BIDDERS

1. ADD to Article 4 Pre-Bid Conference, section 4.1 Mandatory Pre-Bid Conference the following:

“A second PRE-BID CONFERENCE to review general project information, project timeline, and bidding procedures will be conducted on Monday, April 17, 2017 beginning promptly at 10:00 AM. The Pre-Bid Conference will be held via Conference Call – the dial-in number is 1-312-757-3121 with the Access Code 913-902-269 and the webinar link is https://global.gotomeeting.com/join/913902269. Only bidders who participate in the Pre-Bid Conference in its entirety will be allowed to bid on the Project.

Bidders that attended the mandatory Pre-Bid Conference conducted on Monday, April 3, 2017 or April 10, 2017 are NOT required to attend this mandatory Pre-Bid Conference.
Requests for Information (RFI) should be submitted by Thursday, April 20, 2017.”

IV. EXHIBITS

1. ADD Exhibit 13: 360-degree Panoramas. Exhibit 13 is attached to this addendum.
2. ADD Exhibit 14: Click Safety Mandatory Program. Exhibit 14 is attached to this addendum.

END OF ADDENDUM NO. 1
160379 - UCSF 3rd Floor Radiology

Panoramas

Dome has attached 2 PDFs of key plans for 360 degree panos. The 2nd floor panos are all taken above the ceiling. The 3rd floor panos are a mix of above the ceiling and in the room or corridor.

To see the 360 degree panos, click on the yellow hyperlinks and it will bring you to the 360 degree pano taken in that location. If the page that it takes you to reads “Your browser does not seem to display this page,” please copy the link and open it in Chrome.
Contractor Safety Training

INITIATIVE

Dome Construction and ClickSafety have partnered to create a web-based contractor safety orientation course for Dome Construction projects. All contractors requiring access to a project must complete the orientation-training course online through ClickSafety. The course addresses safety expectations/requirements that you and your employees are expected to understand and comply with while working on the premises.

REQUESTS

ClickSafety is the leading provider of web-based safety and risk management systems for the Construction Industry. ClickSafety will be providing the online training and tracking system used to deliver safety orientation. You will be required to have ALL your employees successfully complete the online Contractor Safety orientation course through the ClickSafety system prior to their arrival onsite. The average employee should take 30 minutes to complete the training. The course is available in English and Spanish.

FEES

The fee structure for ClickSafety services is ........................................... $50.00/Employee

When registering online $1 = 1 unit

SETUP AND IMPLEMENTATION

Overview

Each contracted company will need to create an administrator account and purchase the course for their employees. Once completed, employees can go to the same website and register for the course. When employees have finished registration, they can take the course and print the certificate upon completion.
Create Company Administrator Account

2. Click on the “Company” tab, then click “Register Now”.

3. Enter the number of courses you would like to purchase. Click “Calculate Price”, then click “Purchase Units”.

Addendum #1
Dated April 13, 2017
a. Review the user agreement and enter your company name and date. Click "Continue".

b. Enter company name and zip code.

c. Complete company information.
d. Add your Contact Information. If you would like to add an additional account administrator, complete the Account Administrator Information section.

![Contact Information Form]

e. Create an access code for your employees to use during registration. The access code should be only letters and numbers and contain no spaces. Click “Next”.

![Access Code Form]
f. Review confirmation page. Click “Continue”.
g. You will then see the cost for the courses. Click “Buy Now”.

h. On the next page click “Confirm” and then “Buy Now”.
i. Enter credit card information to pay for training, Click “Buy”.

4. Direct all employees to www.clicksafety.com/dome to self-register and complete training prior to arrival at the jobsite (see Register for Individual Account below for more information).
Register for Individual User Account

2. Confirm "User" is selected. Click "Register Now".
3. Complete the following pages.
   a. Add your information.

   ![User Account Create Page]

   b. Select your employer from the drop-down menu. If your employer is not listed, please contact your office Administrator to complete company registration information.

   c. Enter your company access code. If you do not have your access code, please contact your company Administrator.

d. Click “Continue”.

   ![Employer Select Page]
e. One the next page, click "Next" to confirm your information.
f. Save your username and password (write it down, take a picture with your phone) and click "Login".

4. You will be directed to your personal homepage, also known as your portal.

Note: If you log-out, you can always go back to www.clicksafety.com/dome and enter your username and password. The course will keep your place.
Complete Course

1. Log in to your personal account and click the green arrow to begin the course.

2. The course will then begin to play.

3. You must answer all quiz questions correctly to move to the next section of the course. There are 4 sections total.

4. If you come to a screen that has graphics in the lower right hand corner, please wait until the pictures move to the left before advancing to the next screen.

5. When you have completed the course, click “Return to the Control Panel”.
Certificate of Completion & Hardhat Sticker

1. Log in to your personal, scroll down to “Assigned Courses”, and double click on the certificate icon to the right of the completed course.
2. Print the certificate and bring it to the job trailer headquarters to receive your hardhat sticker allowing you access to the jobsite.

3. Please contact your company Administrator or Foreman if you are having any difficulty completing this course on your own.
Support

A ClickSafety representative will be available to answer any of your questions about this program. The ClickSafety program administrator is:

Jason Maddox  
Account Manager  
ClickSafety.com, Inc.  
Phone: 925.855.6731  
Email: Jason.maddox@clicksafety.com

For general information about ClickSafety, you can visit their web site at: www.clicksafety.com.

Should you have specific questions regarding the project or safety requirements, you may contact:

Frank Zamora  
Dome Construction  
(650) 416-5682  
Email: fzamora@domebuilds.com

We appreciate your attention in this matter and look forward to a continuing and successful business relationship.

DISCLAIMER

ClickSafety and Dome Construction make this training material available with the understanding that users exercise their own skill and care with respect to its use. It is the duty of each employer as specified in the Occupational Safety and Health Act of 1970 (P.L. 91-596) to furnish to each of his employees employment and a place of employment which is free from recognized hazards that are causing or likely to cause death or serious physical harm to his employees and must comply with the applicable occupational safety and health standards adopted for his / her type of work. In addition, each employee must comply with occupational safety and health standards and all rules, regulations, and orders which are applicable to his or her own actions and conduct.
**Dome Construction General Instructions (will become a subcontract reference document)**

<table>
<thead>
<tr>
<th>Contract</th>
<th>Instruction</th>
</tr>
</thead>
<tbody>
<tr>
<td>01 - Contract 1</td>
<td>INSTRUCTIONS ARE INTENDED TO PROVIDE DIRECTION TO THE REQUIREMENTS ON THE PROJECT. THEY ARE MINIMUM REQUIREMENTS AND DO NOT NECESSARILY REPRESENT THE SUBCONTRACTOR ENTIRE SCOPE OF WORK.</td>
</tr>
<tr>
<td>01 - Contract 2</td>
<td>Submission of a bid or proposal to Dome Construction represents and acknowledgement that the bidding entity has reviewed all of the subcontract requirements, bid documents, including addenda.</td>
</tr>
<tr>
<td>01 - Contract 3</td>
<td>IMPORTANT - Any instruction or direction provided in these Contract Documents shall supercede any clarification or exclusion in your clarifications. Any exclusion must be accompanied by a price to include the work in your proposal.</td>
</tr>
<tr>
<td>01 - Contract 4</td>
<td>Any quantities or takeoff documents provided as part of your bid are for reference only and are non-binding. Dome Construction shall not verify accuracy of this information. The contract documents shall govern the total scope inclusions and installation requirements.</td>
</tr>
<tr>
<td>01 - Contract 5</td>
<td>Exceptions to the Dome Construction contract terms must be provided at the time of bid. If awarded the project, modifications to our subcontract terms will not be accepted. A copy of the Dome Construction Contract terms is available at Dome's web site <a href="http://www.domeconst.com">www.domeconst.com</a>. Please contact the appropriate estimator for additional information.</td>
</tr>
<tr>
<td>01 - Contract 6</td>
<td>Insurance - Please be aware of all insurance requirements. No work shall begin at the site until proper certificates of insurance are submitted to Dome and approved by same. Include Workers Comp Waiver of Subrogation and Additional Insured. See Domes web site for additional details. <a href="http://www.domeconst.com">www.domeconst.com</a>. Click on &quot;tools&quot; in the lower left hand corner of the home page.</td>
</tr>
<tr>
<td>01 - Contract 7</td>
<td>Dome Construction is signatory to the Carpenter and Laborers Union. Any work claimed by these unions within your scope must be performed by union labor.</td>
</tr>
<tr>
<td>01 - Contract 8</td>
<td>Pricing must be firm for a minimum of 60 days from submission to Dome Construction, unless instructed otherwise.</td>
</tr>
<tr>
<td>01 - Contract 9</td>
<td>Provide Labor Rates for standard, overtime, and doubletime for all personnel. Labor rates to be firm for the entire duration of the project.</td>
</tr>
<tr>
<td>01 - Contract 10</td>
<td>Provide Overhead and Profit Percentage for change order work. Detail variable fees for Direct cost, and markup on subcontractor costs.</td>
</tr>
<tr>
<td>01 - Contract 11</td>
<td>Unless clearly stated otherwise in your proposal, markup (overhead &amp; profit) on direct costs (self-performed work, equipment, and materials) is limited to 15%, and sub-tier contractors is limited to 5%.</td>
</tr>
<tr>
<td>01 - Contract 12</td>
<td>Include all taxes and freight required to complete your scope of work.</td>
</tr>
<tr>
<td>01 - Contract 13</td>
<td>Acknowledge all drawings, specifications, Clarification, Addendum, Dome Instructions by number and date on the bid document.</td>
</tr>
<tr>
<td>01 - Contract 14</td>
<td>Adjustment as a result of Value Engineering: Portions of your bid may be adjusted by value engineering and/or deleted based on the selections of Client and Dome Construction Corp. Items deleted will be deleted at full value of stipulated sum or by way of unit costs provided at Bid time. Should an item be deleted in it’s entirety, Subcontractor will not be entitled to any fees for Overhead and Profit lost as a result of deletion and/or reduction of the scope.</td>
</tr>
<tr>
<td>01 - Contract 15</td>
<td>Bid Results should be requested via email. This will enable us to respond to all the requests for result in a more efficient manner. Results will be given once Dome has been approved to proceed with the contract by the Client/Owner. Please do not request results immediately after submitting your bid.</td>
</tr>
<tr>
<td>01 - Contract 16</td>
<td>Please note materials and equipment lead times longer than 2 weeks on your proposal.</td>
</tr>
<tr>
<td>01 - Contract 17</td>
<td>Subcontractors will take adequate time to review the building conditions as they relate to their scope of work. Any cost resulting from inadequate review will be the responsibility of the subcontractor.</td>
</tr>
<tr>
<td>02 - Admin 1</td>
<td>All subcontractor / vendor invoices shall be submitted via an online pay application system (GC Pay) at no additional cost to subcontractor. Any additional administrative costs you may incur must be included.</td>
</tr>
<tr>
<td>02 - Admin 2</td>
<td>All subcontractors must create and submit all Request For Information (RFIs), and Submittals via an online web tool (ProCore) provided at no cost. Any additional administrative costs you may incur must be included.</td>
</tr>
<tr>
<td>02 - Admin 3</td>
<td>A schedule of values must accompany each invoice. This schedule must detail the percentage complete, contract value and balance to finish. Retention amount is 10%. This must be reflected on the invoice and on the schedule of values. You must include a conditional lien release with each application for payment.</td>
</tr>
</tbody>
</table>
## Dome Construction General Instructions (will become a subcontract reference document)

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>02 - Admin</td>
<td>4</td>
<td>Maintain as-builts records on a daily basis. Current as-builts records will be a prerequisite to monthly progress payments.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>1</td>
<td>Subcontractor shall keep the same foreman on the project full for the full duration. Foreman is not to be replaced without written agreement by the dome Project Manager.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>2</td>
<td>Daily work plans are to be provided and executed for all field work.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>3</td>
<td>Contractors capable of bidding multiple scopes of work (i.e. Plumbing &amp; HVAC, or Drywall &amp; Acoustical Ceilings, etc.), should provide stand alone bids for each. Provide a separate bid or alternate deduct for a combination package. Dome reserves the right to use one or both of the bids in combination with another contractor.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>4</td>
<td>Demolition work must provide any Waste Reduction and Recycling documentation as needed for the municipality the project is located in.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>5</td>
<td>Drilling, Coring, Anchoring and any other &quot;loud/noisy/disruptive&quot; activities to be confined to off hours to minimize disruption as coordinated through Dome.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>6</td>
<td>Include all hoisting, equipment rental, flagmen, forklifts, and other equipment necessary to complete your scope of work.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>7</td>
<td>Include all penetrations, including coring, sleeving and fire caulking/stopping and escutcheons for work related to your trade. Include penetrations through rated and unrated assemblies.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>8</td>
<td>Include necessary scaffolding or scissors lifts or other high access for your scope of work unless Dome Construction informs you of providing communal scaffolding.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>9</td>
<td>Combustion engine equipment used in confined or indoor spaces must be equipped with air purifier devices.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>10</td>
<td>Include traffic control necessary for your scope of work and deliveries. Coordinate all deliveries with Dome 48 hours prior. Stocking and staging of materials and equipment will be per Dome’s direction.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>11</td>
<td>All Bidders are to include layout for their scope of work. Dome Construction will provide one control line in the east-west and north-south directions and one benchmark at each level for the use of the subcontractors. Dome Construction will provide no other layout.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>12</td>
<td>All MEP trades to include trade permit procurement costs as necessary.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>13</td>
<td>All subcontractors to include daily clean up of their own work. No exceptions. Any clean-up not performed that day will be done by Dome and backcharged to subcontractor.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>14</td>
<td>Coordinate and layout your work with all interfacing trades to provide a complete system.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>15</td>
<td>Coordination of installation with other subcontractors for a seamless installation. Bidder will be responsible for coordinating with related subcontractors under the direction of Dome Construction Corporation.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>16</td>
<td>Excludes overtime unless otherwise noted.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>17</td>
<td>Hazardous abatement will be performed by the Owner, if any.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>18</td>
<td>Insulation and identification for your scope as necessary.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>19</td>
<td>Provide any required close-out documentation, as-built drawings, certificates, warranties, O &amp; M manuals, spare parts/materials and or tools upon completion of work. Failure to do so will delay payment.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>20</td>
<td>Scheduling and coordinating any inspections required by appropriate regulatory agencies on an as needed basis determined by Dome to complete your scope of work.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>21</td>
<td>Subcontractor is responsible for repair of any damage caused by the subcontractor while completing their scope of work.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>22</td>
<td>Subcontractor is responsible to provide adequate manpower, material, and equipment to maintain the Dome Construction Schedule.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>23</td>
<td>Subcontractors shall plan for just in time deliveries for all materials and equipment. &quot;Just in Time&quot; is defined by only those materials to be installed within 4 days of site delivery.</td>
</tr>
<tr>
<td>03 - Scope</td>
<td>24</td>
<td>All materials, equipment, tools, etc shall be on wheels, castors, carts, or any other means to allow for safe and easy movement around the site.</td>
</tr>
<tr>
<td>04 - Safety</td>
<td>1</td>
<td>All contractors requiring access to a project must complete the orientation-training course online through ClickSafety. The course addresses safety expectations/requirements that you and your employees are expected to understand and comply with while working on the premises. Cost for completing the course is $50/worker and is valid for a one year period on all Dome projects. Costs must be included in your proposal.</td>
</tr>
<tr>
<td>04 - Safety</td>
<td>2</td>
<td>Attendance at any and all site orientation and safety meetings while on site.</td>
</tr>
</tbody>
</table>
Dome Construction General Instructions (will become a subcontract reference document)

<table>
<thead>
<tr>
<th>04 - Safety</th>
<th>3</th>
<th>All subcontractors and sub-subcontractors to provide name of onsite person in charge of ongoing safety.</th>
</tr>
</thead>
<tbody>
<tr>
<td>04 - Safety</td>
<td>4</td>
<td>Subcontractor shall fully comply with Dome Construction’s Site Safety and Security Program. Failure to comply will result in warnings and possible dismissal from site. Subcontractor Safety Program to be submitted within 10 days of award of contract. Provide SDS information with all submittals, separate copy for Dome Superintendent to be maintained at site.</td>
</tr>
<tr>
<td>04 - Safety</td>
<td>5</td>
<td>This project will be a “hard hat” job until notified otherwise by Dome Construction Corporation Superintendent. All personnel without necessary safety equipment will be dismissed from the jobsite until they have the proper shoes, hard hats, earplugs, safety glasses, safety harness, etc. for the safe performance of their work. Safety equipment will not be supplied by Dome Construction.</td>
</tr>
<tr>
<td>04 - Safety</td>
<td>6</td>
<td>Subcontractor is fully responsible to install and maintain OSHA compliant safety related provisions for your scope of work, including, but not limited to: fall protection, caution / no entry tape, caps at rebar, tripping hazards, warning signage, spark containment, etc.</td>
</tr>
</tbody>
</table>
**Trade Specific Instructions (will become a subcontract reference document)**

*(Where trade or scope exists in bid documents, the following instructions shall apply. Scope is not necessarily all inclusive, and trade is responsible for complete review of all documents)*

<table>
<thead>
<tr>
<th>Div</th>
<th>Trade</th>
<th>Instruction / Scope</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>All Subcontractors</td>
<td>Your base bid must strictly adhere to the specifications provided. No deviation is allowed. Any deviation of any kind must be accompanied by a cost impact and justification in the form of the substitution request <strong>at the time of bid</strong>.</td>
</tr>
<tr>
<td>2</td>
<td>Demolition</td>
<td>Includes Debris boxes to demolish and haul out. Demo existing walls, doors, frames, and glass noted for demolition. Demo existing carpet and pad, vct, wood flooring, ceramic tile, other flooring and substrate/underlayment. Demo existing cabinetry, existing drywall partitions, ceiling tiles and grid. Demo existing light fixtures, electrical devices, including disposal of fluorescent tubes, ballasts, transformers. Removal of MEP items disconnected by others. Demo and removal all materials noted for demolition. Provide any Waste Reduction and Recycling documentation.</td>
</tr>
<tr>
<td>3</td>
<td>Concrete</td>
<td>Includes, but not limited to: Formwork, Reinforcing, Drilling, Doweling, Place &amp; Finish, Cleanup, Offhaul of Spoils,</td>
</tr>
<tr>
<td>6</td>
<td>Architectural Millwork</td>
<td>Includes, but is not limited to: All PLAM, Solid Wood, Solid Surface Countertops, Stone Countertops (where required), Countertop substrates, Wall Cleats, Countertop Supports (angle iron if required), Wood Base, Chair Rail, Scribes, Grommets, All cabinet hardware, locks where required, Caulking at intersections, Protection of all cabinets and countertops upon completion, Layout, confirmation of plumb and level surfaces prior to installation.</td>
</tr>
<tr>
<td>8</td>
<td>Doors/Frames/Hardware</td>
<td>Includes all new and relocated doors frames and hardware shown on the schedule, listed in the specifications, and shown on the plans and details. Prefinished aluminum and or hollow metal frames as noted. Prefinished doors or paint grade as noted. Hardware including hinges, closers, locks, latches, panic devices, weather stripping, gaskets, door bottoms, seals, stops, strikes, astragals, holders, push/pull/mop/armor plates, silencers, exit alarms, trim, flush bolts, sweeps, thresholds, coat hooks electrified hardware as noted. New doors in existing frames where noted. Cased Openings Preparation and sizes will be coordinated between doors, frames and hardware. Includes sales tax and freight on all material. Includes coordination for conduit routing for electrical hardware. Protection of installed doors &amp; frames</td>
</tr>
</tbody>
</table>
**Notes:**

Trade Specific Instructions (will become a subcontract reference document)

(Where trade or scope exists in bid documents, the following instructions shall apply. Scope is not necessarily all inclusive, and trade is responsible for complete review of all documents)

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<td>9.1</td>
<td>Drywall / Metal Framing</td>
<td>Include all studs, track, drywall, shaft studs, coreboard, welding, corner beads, light gauge angles, soffits, backing, insulation, acoustical and or fire caulking, cement board, moisture resistant / green board, mullion conditions, taping, and finishing as required to complete scope. Frame, rock, tape and finish all walls/partitions, ceilings/soffits, door pockets, and or glazing supports. Patching of demolition scars at MEP demo and new work. Layout, including coordination with other trades. Sound batts, pads, and caulking at head and base as indicated and or required. Frame and rock openings for dampers as required. Includes all backing at new and existing walls and patch back. All tapeable track, gasketing, etc at mullion and or end wall conditions. Insulation as noted and or required.</td>
</tr>
<tr>
<td>9.2</td>
<td>Ceramic Tile</td>
<td>Includes, but is not limited to: Preparation of substrate, Moisture Testing, Waterproofing, Crack Isolation where required, Thresholds, Metal Trim, Tile Sealing,</td>
</tr>
<tr>
<td>9.3</td>
<td>Acoustical Ceilings</td>
<td>Includes, but is not limited to: Install of wires for all MEP systems (ie Lights, HVAC Grilles, etc), Grid, Tile,</td>
</tr>
<tr>
<td>9.4</td>
<td>Flooring</td>
<td>Flooring, carpet, resilient flooring, vct, rubber flooring, wood flooring, and or base as noted. Patch existing flooring as necessary. Includes removal of any flooring where shown to be removed for reinstall. Provide any moisture tests and written results before installation as required. Inspect all surfaces for acceptance of specified Level before you begin your work. Inform Dome of any discrepancies. Pattern as noted. Pricing must include a minimum of 1 hour per 150sf of floor preparation, unless otherwise noted.</td>
</tr>
<tr>
<td>9.5</td>
<td>Painting</td>
<td>All interior painting and exterior painting. Prime and finish new and existing gypsum wall, ceilings, soffits, reveals, base and or columns. Paint accent colors as noted. Patch and spackle at existing walls. Paint paint grade doors and frames. Stain and stain grade doors where not prefinished. Inspect all finish drywall for acceptance of condition before painting. Paintable caulk where required. Inform Dome of any discrepancies. Wet paint signs must be installed as needed. Protection of existing finishes.</td>
</tr>
<tr>
<td>21</td>
<td>Sprinkler</td>
<td>Demo, rework and modify existing sprinkler system for new layout, adding new heads as required for code required coverage. Layout of sprinkler head locations in relationship to electrical and mechanical needs. Removal of any existing fire coating to install supports for your scope of work. Coordinating shutoffs with Dome and Building. Review existing sprinkler main to have sufficient hydraulic capacity and size to support the sprinkler work proposed on this project. Startup, system checkout and testing as required. Being sure that sprinkler system is up and operational on a daily basis before leaving job site.</td>
</tr>
</tbody>
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Addendum #1
Dated April 13, 2017
### Trade Specific Instructions (will become a subcontract reference document)

*(Where trade or scope exists in bid documents, the following instructions shall apply. Scope is not necessarily all inclusive, and trade is responsible for complete review of all documents)*

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<td>21</td>
<td>Sprinkler</td>
<td>Provide complete Sprinkler system design including engineering and preparation of drawings including hydraulic calculations, signed by a registered engineer with errors and omissions insurance coverage for submission for required permits/documentation suitable for permit acquisition, follow-up to secure building permit, specifications to build-out the project, per plans, program and specifications. Notwithstanding the above, this is a design/build project with the subcontractor responsible for the complete design of the scope.</td>
</tr>
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</table>
| 22  | Plumbing | Demo, safe-off, rework and modify existing plumbing system for new layout.  
All associated plumbing, waste, vent and water piping as required for new or relocated plumbing.  
Condensate drains, pumps and pans as required.  
All plumbing fixtures including new sinks, faucets.  
Pipe insulation and labeling as required.  
Saw, demo, trench, shore, back fill and compaction for any underground plumbing.  
Saw, demo, notch, block, drill for any above ground plumbing.  
XRay Scanning prior to any concrete cutting / coring  
Flushing & Sanitizing of piping systems as required  
Hot Taps or other line stops as necessary  
Seismic engineering as necessary for all supports for installed systems and equipment  
Furnish all VFDs required for subcontractor provided pumps / motors. |
| 23  | HVAC Systems | Demo, safe-off, rework and modify existing HVAC systems for new layout.  
All associated hydronic water systems (heating hot water, cooling / chilled water).  
Pipe & Duct insulation and labeling as required.  
Saw, demo, notch, block, drill for any above ground HVAC Systems.  
XRay Scanning prior to any concrete cutting / coring  
Flushing & Sanitizing of piping systems as required  
Hot Taps or other line stops as necessary  
Seismic engineering as necessary for all supports for installed systems and equipment  
Furnish and Install Curbs with all associated welding of equipment to platforms where required.  
Furnish all VFDs required for subcontractor provided pumps / motors. |
| 23  | HVAC Systems | Includes Air & Water Balance. Include any interim balance that may be required for phased work. |
| 23  | HVAC Systems | Includes HVAC Controls |

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*Addendum #1  
Dated April 13, 2017*
**Trade Specific Instructions (will become a subcontract reference document)**

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<td>26</td>
<td>Electrical Systems</td>
<td>Demo, safe-off, rework and modify existing Electrical Systems for new layout. Labeling as required. Saw, demo, trench, shore, back fill and compaction for any underground Electrical. Saw, demo, notch, block, drill for any above ground electrical work. XRay Scanning prior to any concrete cutting / coring Testing of systems as required. Seismic engineering as necessary for all supports for installed systems and equipment. Install all VFDs furnished by others.</td>
</tr>
<tr>
<td>26</td>
<td>Electrical Systems</td>
<td>Temporary Construction lighting &amp; power</td>
</tr>
<tr>
<td>26</td>
<td>Electrical Systems</td>
<td>Includes all raceways for Security, Communications, Audio, Video, Music, Paging, Intercom and TV systems. Final installation of wiring and devices by others. Includes all necessary coordination with these trades.</td>
</tr>
<tr>
<td>26</td>
<td>Electrical Systems</td>
<td>Includes complete fire alarm design, engineering, permitting, and installation for a complete code compliant system.</td>
</tr>
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</table>
**Trade Specific Instructions (will become a subcontract reference document)**

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ADVERTISEMENT FOR BIDS

Sealed bids for a LUMP SUM subcontract are invited from Div 22 – Plumbing bidders (hereinafter “Bidders”) for the following work:

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO MEDICAL CENTER

Moffitt Long 3rd Floor Radiology Renovation Project
Dome Project Number: 160379
UCSF Project Number: 14-795

Bid Package: Div 22 – Plumbing

DESCRIPTION OF WORK:

General Description: The scope of the project includes remodeling an existing portion of the 3rd Floor of Moffitt/Long Hospital at UCSF to expand and update the radiology department. The remodel will involve the consolidation of the adult non-invasive cardiology suite into a smaller footprint within the existing department. It includes: remodeling the existing space into a 12-bed holding room; converting the space occupied by two of the existing radiology reading rooms and film files room to create a new front entry into the department including reception/waiting and changing rooms; relocating the reading rooms and remodeling the existing space to provide a new general radiography room and an interventional imaging room. The project consists of four (4) phases of construction.

The University has bid and awarded a CM at Risk Contract to Dome Construction Corporation (hereafter “CM/Contractor”). CM/Contractor is responsible for bidding and awarding all subsequent Bidder packages, including this package. The successful Bidder shall sign a Subcontract Agreement directly with CM/Contractor, and shall be bound by all the terms of the contract between University and CM/Contractor. Refer to Exhibit 4 which contains the contract between University and CM/Contractor.

Bid Package “Div 22 – Plumbing” consists of all plumbing work shown or required by the Construction Documents. Includes (but not limited to) – all waste and vent, domestic water, and medical gas. The estimated construction cost of this bid package is $600,000.

BIDDER QUALIFICATIONS:

Bidder: To be eligible for consideration for award, Bidders must have the minimum experience requirements, and Bidder must certify that they do not have certain health and safety violations as described below. To allow the CM/Contractor to evaluate Bidders, each Bidder must submit qualification documents consisting of an experience record, and other required documents, with its bid. This record must be described in the Contractor’s Statement of Experience form found in the Bidding Documents. To be eligible for consideration for award, the Bidder must demonstrate ALL of the following in the Contractor’s Statement of Experience:

.1 The prospective Bidder successfully completed within the last five (5) years or is at least 50% complete with one OSHPD 1 project (I-2 occupancy) in an occupied medical facility with a minimum contract value of $400,000. Listed project must have been managed and constructed under the business name submitting a bid.

.2 Bidder must further certify, by signing the Contractor’s Statement of Experience, that neither they nor their firm have ever been cited by the Medical Center for health, safety, infection control, or interim life safety violations while performing work in a Medical Center facility within the last 24 months of the bid opening date.

BIDDING DOCUMENTS:

Bidding Documents will be available beginning on Thursday, March 23rd and will be issued electronically from:
Dome Construction Corporation
Contact Persons:
Tim Cadenasso – (415) 500-1868 – tcadenasso@domebuilds.com
Remy Behl – (845) 325-1626 – rbehl@domebuilds.com
Bidding Documents can be viewed on line at Dome Construction’s BuildingConnected site:
https://app.buildingconnected.com/public/5430e7ac5cdd2e0300dd7ad6
Contact Tim Cadenasso (tcadenasso@domebuilds.com) or Remy Behl (rbehl@domebuilds.com) if having trouble accessing Dome’s BuildingConnected site.
BID DEADLINE: Bids will be received only at the following location:

Office of Dome Construction Corporation, at 393 East Grand Avenue, South San Francisco, CA 94080 (ATTN: Tim Cadenasso) and must be received at or before:

2:00 PM, Friday, April 21st, 2017

MANDATORY PRE-BID CONFERENCE:

A MANDATORY PRE-BID CONFERENCE to review general project information, project timeline, and bidding procedures will be conducted on Monday, April 3rd beginning promptly at 10:00 AM. The Pre-Bid Conference will be held via Conference Call – the dial-in number is 1-571-317-3122 with the Access Code 397-427-773 and the webinar link is https://global.gotomeeting.com/join/397427773. Only Subcontractor bidders who participate in the Conference in its entirety will be allowed to bid on the Project.

MANDATORY SITE VISIT:

A MANDATORY SITE VISIT will be conducted on Tuesday, April 4th. Participants shall meet at 505 Parnassus Ave., San Francisco, CA 94143 – 3rd Floor Elevator Lobby at 6:30 AM. For further information, contact Tim Cadenasso at 415-500-1868 or tcadenasso@domebuilds.com

Only Div 22 – Plumbing Bidders who participate in the Pre-Bid Conference AND the Site Visit in their entirety will be allowed to bid on the project.

LICENSE REQUIREMENTS: The successful Bidder will be required to have the following California current and active contractor's license at the time of submission of the Bid:

Div. 22 – Plumbing – C-36 Plumbing

Every effort will be made to ensure that all persons have equal access to contracts and other business opportunities with the University within the limits imposed by law or University policy. Each Bidder may be required to show evidence of its equal employment opportunity policy. The successful Bidder and its subcontractors will be required to follow the nondiscrimination requirements set forth in the contract between the University and the CM/Contractor, and to pay prevailing wage at the location of the work.

No contractor or subcontractor, regardless of tier, may be listed on a Bid for, or engage in the performance of, any portion of this project, unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 and 1771.1.

This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

The successful Bidder shall pay all persons providing construction services and/or any labor on site, including any University location, no less than the UC Fair Wage (Defined as $13 per hour as of 10/1/15, $14 per hour as of 10/1/16, and $15 per hour as of 10/1/17) and shall comply with all applicable federal, state, and local working condition requirements.

END OF ADVERTISEMENT FOR BIDS