December 13, 2018

TO: ALL VENDORS

RE: Job No. 18/0366

DUE DATE: January 7, 2019, no later than 2:00 p.m. local time; Houston, TX

All vendors are required to sign and attach a copy of this addendum with each response for Refurbishment and Expansion of the Interventional Radiology and Magnetic Resonance Imaging Suites at Ben Taub Hospital for the Harris County Hospital District dba Harris Health System. This addendum must be received by the Purchasing Department no later than the above due date.

ADDENDUM NO. 1

1. Revised attachment n., Drawings, General Notices, Notes & Information, available on Harris County BuySpeed Online at https://bids.hctx.net/bso/.

2. Summary of Addendum No. 1 (attached).

Sincerely;

[Signature]
DeWight Dopslauf
Purchasing Agent

POM/naa

Vendor’s Signature

For

Company Name
ATTACHMENT N REVISIONS:

a. Equipment Updates and Misc. Clarifications; Revisions to sixty-six (66) Drawing Sheets.

General

1. COVER SHEET; Revised issue name and date.
2. G0.01 – GENERAL NOTES; ABBREVIATIONS; SYMBOLS; AND CODE SUMMARY; Updated Sheet index.
3. G1.00 – LIFE SAFETY PLAN; Corrected Fire Tape at soiled work room.
4. G1.02 – PHASING PLAN; Corrected Fire Tape at soiled work room and Updated Phasing note.
5. G2.00 -TYPICAL MOUNTING HEIGHTS; Diaper changing station deleted.
6. G4.01- UL ASSEMBLIES; UL Assemblies removed.

Architectural

1. A1.00 - FLOOR PLAN LEVEL 1 – COMPOSITE; Corrected Project Scope Box.
2. A2.01 – FLOOR PLAN – LEVEL 1; Updated key notes; Removed Wall tag – Refer to Enlarged Plans; Added interior elevation at Water Fountain; Additional Keynotes.
3. A2.02- DEMO FLOOR PLAN & FLOOR PLAN – LEVEL 2; Provided dimensions at Mechanical louver location; Provided wall mounted light fixtures at Mechanical room; Added Key notes.
4. A2.03 – PARTIAL ROOF PLAN; Added Exhaust Fan Flashing detail; Added Keynotes; Deleted Keynotes; Corrected layout Grid number; Added text to general notes – Roof.
5. A3.01- ENLARGED PLANS - IR SUITE; Changed height of outlet 05/A3.01; Changed height of paper towel dispenser 05/A3.01; Added details 28/A10.07 & 26/A10.07 to 05/A3.01; 10/A3.01; 15/A3.01 & 20/A3.01; Changed base dimension from 4” to 6”; Added coat hook 10/A3.01; Added soap dispenser and paper towel dispenser to 18/A3.01; Changed the grab bar in IR staff Toilet from 24” to 36”; Moved wall next to the toilet in IR staff Toilet; Moved wall next to the sink the toilet in IR staff Toilet; Moved wall in Corridor 1720; Removed Area Alarm panel from Corridor and placed into Nurse Station 1724; Added 21/A3.01 to sheet; Changed wall in the IR Suite to lead lined; Changed sliding doors in IR Suite to 7’-0”.
6. A3.02 - ENLARGED PLANS – MRI SUITE; Added Dimensions; Added Keynotes; Added wall tags; Added equipment tags; Added reference details; Corrected Toilet accessory schedule; Added Fire Rating Type to wall.
7. A3.03 - MRI ROOM PLAN & ELEVATIONS; Added Dimensions; Added Keynotes; Added detail/section reference tags; Added notes.
8. A4.01 – REFLECTED CEILING PLAN – LEVEL 1; Additional Keynotes added; Detail callouts provided; Minor corrections to Diffusers locations.
9. A5.00 - ENLARGED REFLECTED CEILING - Additional key notes and detail callouts provided

10. A9.00 - INTERIOR ELEVATIONS – MRI SUITE; Added Notes; Added Equipment tags; Added dimensions; Added Equipment notes

11. A9.01 - ENLARGED PLANS - INTERIOR ELEVATIONS - IR SUITE; Added new elevation 27/A9.01; Added new elevation 27/A9.01; Added Dimensions; Added Referenced details; Added Equipment tags

12. A9.02 - ENLARGED PLANS - INTERIOR ELEVATIONS - IR SUITE; 13/A9.02; Changed the grab bar in IR staff Toilet from 24” to 36”; Moved wall next to the toilet in IR staff Toilet; Moved wall next to the sink the toilet in IR staff Toilet

13. A9.03 – CASEWORK; ELEVATIONS and DETAILS IR NURSE STATION; New sheet with 3D image

14. A9.04 – CASEWORK; ELEVATIONS and DETAILS MRI NURSE STATION; New sheet with 3D image

15. A10.00- CASEWORK DETAILS; Details not used in project removed

16. A10.01 - CASEWORK DETAILS; Minor modifications on details

17. A10.02 - CASEWORK DETAILS; Updated Tall Cabinets Details

18. A10.04 - CEILING DETAILS; Duplicated detail removed

19. A10.10 - PARTITION TYPES; Corrected Fire Rating Note; Updated Dimensions; Updated Detail Callout Number; Updated Notes

20. A10.11 - RATED PENETRATION DETAIL; Corrected Rating Detail

21. A11.00 - OPENING SCHEDULE; Updated Door schedule; Updated Window Schedule; Added Glass Type

22. A11.02 - DOOR & FRAME TYPES: Additional Keynotes provided; Details callouts provided; Details not used in project removed; Deleted Window detail; Added Reference details to window type; Added dimensions

23. A11.03 - DOOR & WINDOW DETAILS; Changed Dimensions; Changed Text Size and Misspelling

24. A11.04 - DOOR & WINDOW DETAILS; Minor modifications to details

25. AQ0.00 - EQUIPMENT SCHEDULE; Added Equipment; Updated schedule; Added dimensions; Updated Typical Patient Bay

26. AQ2.01 - EQUIPMENT PLAN; Added Keynotes; Added Equipment Tags; Added Equipment; Added dimensions; Corrected Vendor equipment
27. IF0.00 - FINISH SCHEDULE AND SCHEDULE; Corrected Flooring Finishes; Corrected Welding rods; Added additional Wall protection; Updated Finish Schedule; Updated Finish Legend

28. IF1.00 - FINISH PLAN; Added Keynotes; Added Dimensions; Updated Finish Legend

29. IF2.00 - ENLARGED FINISH PLAN; Additional dimensions provided for flooring pattern

30. IP0.00- WALL PROTECTION PLAN; Additional Keynotes and information provided; Wall protection legend updated

Wayfinding and Signage

1. EG-01 – SIGNAGE WAYFINDING PLAN – LEVEL 1 - Added signs: M1000G – Stairwell Identity; M1001A – Overhead Destination; Small; M1001B – Overhead Destination; Small; M1001C – Typical Room ID – Suite ID; M1009A – Notice Posting; Medium (Radiation); M1011A – Notice Posting; Medium (Radiation); M1014A – Notice Posting; Medium (Radiation); M1016A – Notice Posting; Medium (Radiation); M1019A – Notice Posting; Medium (Radiation); M1019B – Notice Posting; Medium (Radiation); M1020A – Notice Posting; Medium (Radiation); M1024A – Typical Room ID; M1024B – Typical Room ID – Suite ID; M1024C – Typical Room ID – Suite ID; M1024D – Overhead Destination; Small;

   Deleted signs: M1000F – Stair Corridor ID

Mechanical

1. M2.00 – MECHANICAL FLOOR PLAN – BASEMENT; Modified piping around structural beam.

2. M2.01 – MECHANICAL FLOOR PLAN – LEVEL 1; Added diffuser in corridor.

3. M2.02 – MECHANICAL FLOOR PLAN – LEVEL 2; Updated keynotes; Modified piping around structural beam.

4. M3.01 – MECHANICAL PIPING PLAN; Updated keynotes; Modified piping around structural beam.

5. M4.01 – MECHANICAL SCHEDULES; Updated double duct mixing box schedule.

Electrical

1. E0.00 – ELECTRICAL LEGEND; SHEET INDEX; SCHEDULES; NOTES & ABBREVIATIONS; Added Fixture ‘K’ to the Lighting Fixture Schedule.

2. ED1.01 – ELECTRICAL DEMOLITION PLAN - FIRST FLOOR; Revised demolition background.

3. E1.01 – ELECTRICAL LIGHTING PLAN – FIRST/SECOND FLOOR; Revised fixture locations in the Mono-Plane Room; Added new exit signs in the corridors; Added new fixtures in the existing corridors; Added new under cabinet lights in the MEDS/CLEAN Room; Updated under cabinet lights in the MRI MED ALCOVE Room.ze; Changed switch locations in the MRI Scan Room to the MRI Control Room; Changed both fixtures to normal power in SOILED
WORKROOM; Changed both 2x4 fixtures to emergency power in MRI READING/OFFICE RM; Added switch to emergency fixtures in IR READING STATION.

4. E2.01 – ELECTRICAL POWER PLAN - FIRST FLOOR; Revised receptacle elevations for all Restrooms/CTRL/MEDS/CLEAN Rooms; Added receptacles for computers in PAT/HOLD PREP Rooms; Added receptacles in the MONO-PLANE/BI-PLANE Rooms; Re-routed receptacles to nearest wall in Nurse Workroom.

5. E3.01 – ELECTRICAL EQUIPMENT POWER PLAN - FIRST FLOOR; Added power for hardwired connection to faucets; Added keyed notes to scrub sink/fire dampers/fire/smoke dampers; Changed phase and circuits for CRACU-2/3

6. E3.02 – ELECTRICAL EQUIPMENT POWER PLAN - SECOND FLOOR; Revised fuses for disconnects.

7. E4.01 – ELECTRICAL FIRE ALARM PLAN - FIRST FLOOR; Revised Demolition background.

8. E3.02 – ELECTRICAL DEMOLITION PLAN - FIRST FLOOR; Revised fire alarm locations/type.

9. E5.00 – ELECTRICAL PANELS; Revised panel CL1G from 42 circuits to 64 circuits; Revised circuit on panel NL1A/DP1XA/DP1XBZE.

10. E5.01 – ELECTRICAL PANELS AND LOAD ANALYSIS; Revised circuits for EH2B; Added panel CH2J

**Plumbing**

1. P0.01 – PLUMBING SCHEDULES; Revise Flush Valve for WC-1.

2. P2.00 – PLUMBING FLOOR PLAN – BASEMENT; Added 2 clean outs.

3. P2.01 – PLUMBING FLOOR PLAN – LEVEL 1; Remove Hot water to CSS-1; updated keyed note P4.

4. P3.01 – PLUMBING MEDICAL GAS – LEVEL 1; Added Med Gas riser tags; P6.01 – PLUMBING AND MED GAS RISERS; Revised Plumbing Riser and added Med Gas riser; updated the sheet title.

5. P7.01 – PLUMBING DETAILS; Added Med Gas pipe hanger detail.

**Technology**

1. T2-00 - TELECOM FLOOR PLAN - MRI & IR SUITE; Data outlet added at 66" AFF for wall mounted computer at Recovery and Patient Hold areas; Data outlets added for the Pyxis and refrigerator at Mono-Plane 1731 & BI-Plane 1732.

**Vendor Equipment Drawings**

1. VEQ5-01 to VEQ5-07: Sheet naming update.
QUESTIONS AND ANSWERS NO. 1:

1. Question: Will the bid period be extended due to the holiday?
   
   Answer: No.

2. Question: Who are the Harris Health Proprietary Sub Contractors
   
   Answer: Due to the presence of existing proprietary systems, the proprietary subcontractors for the Harris Health System are as follows:

   a. NCS – Structured Cabling
   b. Lonestar Communications – Nurse Call
   c. Siemens or SERK – Security
   d. Johnson Controls (JCI) – HVAC and Systems Automation Controls
PLAN KEY:
M44 PROVIDE 8" HOUSEKEEPING PAD. CONCRETE AND FREE AREA. REFER TO ARCHITECTURAL PLANS FOR INSTRUCTIONS.
M42 1" CONDENSATE LINE DOWN TO LEVEL 1.
M42 PROVIDE OUTSIDE AIR LOUVER WITH MIN. 1 SF OF ARROUND STRUCTURAL BEAMS.
M10 PROVIDE OUTSIDE AIR LOUVER WITH MIN. 1 SF OF AROUND STRUCTURAL BEAMS.
M11 PROVIDE OUTSIDE AIR LOUVER WITH MIN. 1 SF OF AROUND STRUCTURAL BEAMS.
M11 PROVIDE OUTSIDE AIR LOUVER WITH MIN. 1 SF OF AROUND STRUCTURAL BEAMS.
M45 2" CHS & R DOWN TO LEVEL 1 BELOW. COORDINATE FEET AWAY FROM ANY BUILDING OPENING.
M30 CONNECT CHILLED WATER SUPPLY AND RETURN BUILD-OUT.

FLOOR PLAN - MECHANICAL ROOM. REFER TO MECHANICAL DETAIL

KEYNOTES LEGEND

SHEETS TITLE:

DATE:
ADDENDUM #01 2018 12 07
HOSPITAL - MECHANICAL

M41 COMBINATION FIRE AND SMOKE DAMPER AT FLOOR C
FOAM, REF. STRUCTURAL DRAWINGS.

M45 2" CHS & R DOWN TO LEVEL 1 BELOW. COORDINATE FEET AWAY FROM ANY BUILDING OPENING.

M30 CONNECT CHILLED WATER SUPPLY AND RETURN BUILD-OUT.

1/4" = 1'-0"

M42 PROVIDE OUTSIDE AIR LOUVER WITH MIN. 1 SF OF ARROUND STRUCTURAL BEAMS.

M42 1" CONDENSATE LINE DOWN TO LEVEL 1.

M44 PROVIDE 8" HOUSEKEEPING PAD. CONCRETE AND FREE AREA. REFER TO ARCHITECTURAL PLANS FOR INSTRUCTIONS.

M45 2" CHS & R DOWN TO LEVEL 1 BELOW. COORDINATE FEET AWAY FROM ANY BUILDING OPENING.

M30 CONNECT CHILLED WATER SUPPLY AND RETURN BUILD-OUT.
AIR DEVICE NOTES:

SHEET TITLE: AIR DEVICE SCHEDULE

EXHAUST GRILLE

DDMB-1-1-7 690 690 8

HOT WATER VAV BOX NOTES:

3. PROVIDE VFD WITH FOUR HARDWIRED POINTS: START-STOP, GENERAL ALARM, HERTZ CONTROL SIGNAL AND MOTOR CURRENT SENSING VIA BACNET CARD.

PROVIDE 700-MICRON FILTER TO SECONDARY CHILLED WATER SUPPLY LINE PRIOR TO CONNECTION TO SIEMENS EQUIPMENT CABINET.

DDMB-1-1-4 460 460 8

DOUBLE DUCT MIXING BOX NOTES:

2. PROVIDE VFD WITH FOUR HARDWIRED POINTS: START-STOP, GENERAL ALARM, HERTZ CONTROL SIGNAL AND MOTOR CURRENT SENSING VIA BACNET CARD.

HEATING INLET DUCT SIZE SCHEDULE

SENSIBLE

AIR HANDLING UNIT NOTES:

0.5 BELT 1350 1/4 115/1/60

CHW GPM

3. FAN SHALL BE CONTROLLED BY SWITCH ON WALL OF MRI ROOM. FAN SHALL BE ENERGIZED ONLY WHEN CRYOGEN IS REPLENISHED.

UNIT NAME LOCATION SYSTEM SERVICE CFM FAN TYPE

TWIN (°F

M4.01

DIFFUSER PLENUM MODEL MPI-39 WITH INTERNAL INSULATION.

DDMB-1-1-9 600 600 8

MOTOR

EWT/ LWT

PRESSURE

DH-2-1 MRI SEPARATOR

SKID MOUNTED WITH PUMPS AND PIPING APPURTENANCES. REFERENCE 03/M5.02.

PROJECT SUBMISSION:

HOT WATER

FAN DATA COOLING COIL DATA

EWT/LWT

INLET DUCT SIZE SCHEDULE