RUHNAU CLARKE ARCHITECTS

February 18, 2020

# ADDENDUM NO. E

TO THE CONTRACT DOCUMENTS

**FOR**

INDIAN SPRINGS HIGH SCHOOL CTE

**FOR THE**
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT
777 North F Street
San Bernardino, CA 92410

DSA No. 04-117896 File No. 36-H7 RCA Job No. 1-78-25

**NOTICE TO BIDDERS**

This Addendum forms a part of the Contract and modifies the original documents DSA Approved on September 30, 2020. It is intended that all work affected by the following modifications shall conform with related provisions and general conditions of the contract of the original drawings and specifications. Modify the following items wherever appearing in any drawing or sections of the specifications. Acknowledge receipt of Addendum No. E in the space provided on the Bid Form. Failure to do so may subject bidder to disqualification.

**GENERAL ITEMS**

Item No. E.1 General Items:

- E.1.1 Pre-bid Requests for Information will be available for bidder reference at Crisp Imaging public plan room website www.crispimg.com
- E.1.2 Pre-Qualification are available at District's website https://sbcusdfacilities.com/transforming-schools/bid-opportunities/.
- E.1.3 Exhibit E Equipment Plan and Schedules added for Bidders reference.

**ATTACHMENTS**

| | |
|---|---|
| **Exhibits** | Exhibit E |
| **Specifications** | N/A |
| **Sketches** | N/A |
| **Sheets** | N/A |

**END OF ADDENDUM NO. E**

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Roger Clarke, Principal
#C-21340

| CONCRETE SEAT SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Mark | | TYPE | MFR. | MATERIAL | DIMENSION | Count | Purchased By | Comments |
| CS-1 | OUTDOOR SEATING: SEATING | | WAUSAU MADE | CONCRETE | 36" Dia x 18" High | 5 | OFCI | NEW |

| FURNITURE SCHEDULE | | | | | | | |
|---|---|---|---|---|---|---|---|
| MARK NO. | FURNITURE TYPE | MFR. | ROOM NAME | ROOM NO. | Quantity | Purchased / Installed By | Comments |
| FUR-1 | Media Table with 6 Chairs | N/A | STUDENT COMMOMNS/MANUFACTURING LAB. | M105/N101 | 34 | OFCI | NEW |
| FUR-2 | Round Table with 4 Chairs | N/A | STUDENT COMMONS/COLLABORATION | M105 | 3 | OFCI | NEW |
| FUR-3 | Half Round Sofa Chair & Low Table | N/A | STUDENT COMMONS/COLLABORATION | M105 | 1 | OFCI | NEW |
| FUR-4 | Teacher's Desk_Table | Moran Modern Design | MANUFACTURING LAB. | N101 | 1 | OFCI | NEW |
| FUR-5 | Domino Style Seating Chairs_A with 4 Round Chairs | N/A | STUDENT COMMOMNS/MANUFACTURING LAB. | M105/N101 | 12 | OFCI | NEW |
| FUR-6 | 3_Sides Computer Table_3_Chairs | | DIGITAL VISUALIZATION LAB. | M108 | 9 | OFCI | NEW |
| FUR-10 | Domino Style Seating Chairs_B 2 | Moran Modern Design | STUDENT COMMONS/COLLABORATION | M105 | 1 | OFCI | NEW |
| FUR-11 | Chair-Desk | N/A | DIGITAL MODELING LAB. | M101 | 1 | OFCI | NEW |
| FUR-12 | Stool_Chair - HighTower | HighTower | MANUFACTURING LAB. | M102/N101 | 3/3 | OFCI | NEW |
| FUR-15 | Mobile Metal Drawer 24"x60" | Husky | TOOL STORAGE | N102 | 2 | OFCI | EXISTING |
| FUR-16 | Fixed Metal Shelves 24"x72" | Whalen Storage | TOOL STORAGE | M101/N101 | 34 | OFCI | EXISTING |
| FUR-17 | Wall Hung Tool Storage | N/A | TOOL STORAGE | N102 | 1 | OFCI | EXISTING |
| FUR-18 | Metal Table | N/A | FABRICATION SUPPORT | M102 | 1 | OFCI | EXISTING |
| Grand total: 56 | | | | | 56 | | |



| DIGITAL / VISUALIZATION LABORATORY EQUIPMENT SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK NO. | TYPE | MFR. | ROOM NAME | ROOM NO. | Quantity | Mounted To | Purchased / Installed by | Comments |
| | | | | | 9 | | | |
| | Retina iMac Computer | iMac Computer | DIGITAL MODELING LAB. | M101 | 33 | TABLE | OFCI | EXISTING |
| DL-1 | Retina iMac Computer | iMac Computer | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-2 | Makerbot Replicator | MakerBot | DIGITAL MODELING LAB. | M101 | 7 | TABLE | OFCI | EXISTING |
| DL-3 | Printer 1 | N/A | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-4 | Laminator | N/A | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-5 | Laminator | N/A | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-6 | PRINTER 4 | HP | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-7 | Paper Press | N/A | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-8 | BIND MACHINE | N/A | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-9 | Paper Folder | Martin Yale | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-10 | Plotter Sure Color P6000 | EPSON | DIGITAL MODELING LAB | M101 | 2 | FLOOR | OFCI | EXISTING |
| DL-11 | PRINTER 8 | SawGrass | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-12 | Paper Press | US Cutter | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-13 | Press | N/A | DIGITAL MODELING LAB. | M101 | 1 | TABLE | OFCI | EXISTING |
| DL-21 | Retina iMac Computer | iMac Computer | DIGITAL VISUALIZATION LAB. | M108 | 27 | TABLE | OFCI | NEW |
| Grand total: 89 | | | | | 89 | | | |

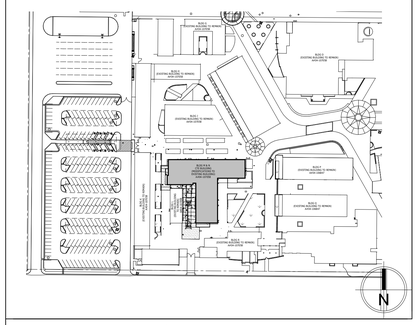
| MANUFACTURING LAB EQUIPMENT SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK NO. | EQUIPMENT TYPE | MFR. | ROOM NAME | ROOM NO. | Quantity | Mounted to | Purchased / Installed By | Comments |
| ME-1 | Trak K3 KMX Knee Mill Machine | Southwestern Industries, Inc. | MANUFACTURING LAB. | N101 | 2 | FLOOR | OFCI | NEW |
| ME-2 | CMM Machine | Hexagon | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | NEW |
| ME-3 | VF2 CNC 5 AXIS | HAAS | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | NEW |
| ME-4 | Vacuum Forming Machine Formech 508FS | Formech | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | NEW |
| ME-5 | F370 3D Printer | Stratasys | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | NEW |
| ME-6 | 3D Printer Wash Tank | SCA | MANUFACTURING LAB. | N101 | 2 | TABLE | OFCI | EXISTING |
| ME-7 | FMS GP8 Robot_ProMill 8000 Machine_Proturn 9000 Vision | Intelitek | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | NEW |
| ME-8 | ST-10 Turning Center_CNC Lathe | HAAS | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-9 | TM-1P Toolroom Mill Machine | HAAS | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-10 | Mini Mill EDU Machine_CNC | HAAS | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-11 | B3V Vertical Mill Machine | Clark | MANUFACTURING LAB. | N101 | 5 | FLOOR | OFCI | EXISTING |
| ME-12 | 1440 Precision Lathe Machine | Clark | MANUFACTURING LAB. | N101 | 5 | FLOOR | OFCI | EXISTING |
| ME-13 | Carbide Grinder | Baldor Reliance | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-14 | Big Red Grinder | Baldor Reliance | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-15 | Bench Grinder | Baldor Reliance | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-16 | 20" Variable Speed Drill Press | Jet | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-17 | 6" Bench Grinder | Jet | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-18 | Toolbox (4'x2') | Husky | MANUFACTURING LAB. | N101 | 3 | FLOOR | OFCI | EXISTING |
| ME-19 | Objet 260 Connex 3 Printer | Stratasys | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | NEW |
| ME-20 | Axion Recessed Shower, eye, & face wash | Haws Corporation 145S Kleppe Lane Sparks, NV 89431 | MANUFACTURING LAB. | N101 | 1 | Wall | OFCI | NEW |
| ME-21 | Hardness Tester HR 530 | Mitutoyo | MANUFACTURING LAB | N101 | 1 | TABLE | OFCI | EXISTING |
| ME-22 | Vertical Optical Comparator | Mitutoyo | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-23 | DimensionSST120es-RapidPrototypeMachine | Stratasys | MANUFACTURING LAB. | N101 | 2 | FLOOR | OFCI | EXISTING |
| ME-24 | Oracle IQ Fume Extractor | BOFA | MANUFACTURING LAB. | M101 | 1 | FLOOR | OFCI | EXISTING |
| ME-25 | CONTROL SIMULATOR | HAAS | MANUFACTURING LAB. | N101 | 10 | TABLE | OFCI | EXISTING |
| ME-26 | Surface Grinding Machine | Clark | MANUFACTURING LAB. | N101 | 1 | FLOOR | OFCI | EXISTING |
| ME-27 | 25"x37"Granite Plate (Grade A) | Precision Granite | MANUFACTURING LAB. | N101 | 2 | FLOOR | OFCI | EXISTING |
| ME-28 | Laser Engraver VLS 4.60 | Universal Laser Systems | MANUFACTURING LAB. | M101 | 1 | FLOOR | OFCI | EXISTING |
| ME-29 | MasterCam_ Verisoft3D Arm_Scanner | Verisurf | MANUFACTURING LAB. | N101 | 2 | TABLE | OFCI | EXISTING |
| ME-30 | Retina iMac Computer | iMac Computer | MANUFACTURING LAB. | N101 | 18 | TABLE | OFCI | NEW |
| ME-31 | Master 3D Gage | Bessey | MANUFACTURING LAB. | N101 | 1 | TABLE | OFCI | EXISTING |
| ME-32 | Vise Table Clamps | Bessey | MANUFACTURING LAB. | N101 | 3 | TABLE | OFCI | EXISTING |
| ME-33 | Reel | ReelCraft | MANUFACTURING LAB. | N101 | 3 | Wall | OFCI | EXISTING |
| ME-34 | Precision Mini Lathe | Central Machinery | MANUFACTURING LAB. | N101 | 1 | TABLE | OFCI | EXISTING |
| ME-35 | Drill Sharpener Darex | Darex | MANUFACTURING LAB. | N101 | 1 | TABLE | OFCI | EXISTING |
| Grand total: 80 | | | | | 80 | | | |

| FABRICATION EQUIPMENT SCHEDULE | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| MARK NO. | TYPE | MFR. | ROOM NAME | ROOM NO. | Quantity | Mounted to | Purchased By / Installed By | Comments |
| FE-1 | Fume Extractor Box | Miller Electric | | | 1 | | | 8/M0.2 |
| FE-1 | Welding Station-XMT 304 | Miller | FABRICATION SUPPORT | M102 | 2 | FLOOR | OFCI | EXISTING |
| FE-2 | Fume Extractor Box | Miller Electric | | | 1 | | | 8/M0.2 |
| FE-2 | combination belt & disk Finishing Machine | Jet | FABRICATION SUPPORT | M102 | 1 | FLOOR | OFCI | EXISTING |
| FE-3 | Vertical Wood/Metal BandSaw | Jet | FABRICATION SUPPORT | M102 | 1 | FLOOR | OFCI | EXISTING |
| FE-4 | Grinder_Buffer | Baldor Reliance | FABRICATION SUPPORT | M102 | 1 | TABLE | OFCI | EXISTING |
| FE-5 | Compressor_Gas_Cylinder | Speedaire | FABRICATION SUPPORT | M102 | 1 | FLOOR | OFCI | EXISTING |
| FE-6 | Gas Kiln | Geil Kilns | Exterior Art Display | M102 | 1 | FLOOR | OFCI | EXISTING |
| FE-7 | Elec Kiln | Skutt Automatic | Exterior Art Display | M102 | 1 | FLOOR | OFCI | EXISTING |
| FE-8 | Vertical Wood/Metal BandSaw | Jet | FABRICATION SUPPORT | M102 | 1 | FLOOR | OFCI | EXISTING |
| FE-9 | Grinder_Buffer | Baldor Reliance | FABRICATION SUPPORT | M102 | 1 | TABLE | OFCI | EXISTING |
| Grand total: 12 | | | | | 12 | | | |

0' 4' 8' 16'

CTE EQUIPMENT PLAN | SCALE: 1/8" = 1'-0" | 1

KEYPLAN



LICENSED ARCHITECT ROBERT CLARKE No. C-21340 EXP. 10-31-21 STATE OF CALIFORNIA

AGENCY APPROVAL
File No: 36-H7 Ref:04-117896

STAMPS

RUHNAU CLARKE ARCHITECTS

CONSULTANT BRANDING

BRANDING

**INDIAN SPRING HS**
**CTE MODERNIZATION**
INDIAN SPRING HIGH SCHOOL
650 N. DEL ROSA DRIVE, SAN BERNARDINO, CA 92410
SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

CTE BUILDING EQUIPMENT PLAN AND SCHEDULES

EXHIBIT E

1-78-25

**PROJECT No. :1-78-25**
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DRAWN BY: CHECKED BY:

ISSUE No._____ DATE_____ DESCRIPTION_____
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