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To All Concerned

Re: Bid #19-V001

**Essex County Schools of Technology – Building Additions & Interior Renovations to West
Caldwell School of Technology - State Project # 1390-080-16-1000 – General Construction**

Addendum #2

Dated: September 21, 2018

The original Technical Specifications and bid documents including drawings, dated August 1, 2018 for the above referenced project are amended as noted in this Addendum. These items shall supersede the information the applicable sections of the specifications. The cost of this work shall be included in the applicable lump sum or unit price costs for items within the bid form. This Addendum shall become a part of the Technical Specifications and Bid Documents and is to be attached thereto.

Bidders are reminded that they must acknowledge receipt of all addenda in the designed pages in the Specifications of the bid documents located in Section 00316.

Please note the following includes RFI's #1 through #7 and Revisions to Specifications and Drawings:

A. **Pre-Bid RFI #1 from Century 21 Construction dated August 28, 2018:**

1. Please provide foundation details for the courtyard CY trellis. Drawing C23.0 includes a note referring to the structural drawings, but no foundation information is provided on drawing S3.4.

Response: Refer to structural sheets S1.3 and S3.4, footings and piers have been provided to encompass the trellis

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2. No power is shown to the four Erco lights at the Courtyard classroom. These lights are shown on site drawing C19.0 but are not on the electric drawings. Please provide details and circuiting.

Response: Details and circuiting shall be provided in Addendum.

3. The scope of the blue LED lights behind the letters at the Environmental Lab sign needs to be defined. Please provide a specification for the lighting and details of circuiting and any other power requirements.

Response: Details and circuiting shall be provided in Addendum.

4. Please verify whether flagpole lighting is required. No lights are shown, but drawing E4.1 directs bidders to obtain manufacturers recommendations for conduit and wire. If lighting is required please provide details of circuiting and a specification for the lights.

Response: Details and circuiting shall be provided in Addendum.

5. Please confirm whether the elevator pit is to be constructed of concrete or masonry. The architectural drawings graphically depict this pit as concrete, but structural drawing S10.1 details the elevator pit as having masonry foundation walls, filled solid below grade with vertical reinforcing.

Response: Both Arch and structural drawings show CMU.

6. The detail for the decorative metal fence on drawing C21.0 includes references to this fence being both 4 ft. high and 6 ft. high. Please confirm the required height for this fence.

Response: Fence to be 4-ft high.

7. Please confirm the sidewalk material and finish at east side/main entrance and at perimeter of the site. There are three different graphic designations for the sidewalk finish on drawing C3.0. Two of these are labeled as concrete with no designations for the sidewalk materials and finishes.

Response: Sidewalk is to be constructed per the 3 sidewalk details included in the plans as follows: Sidewalk is to be constructed per the 3 sidewalk details included in the plans as follows: Concrete Pad & Concrete Sidewalk in PSE&G ROW Detail on Sheet C15.0, 5" Thick Concrete Sidewalk On Site Only Detail on Sheet C13.0, and Integral Colored Concrete Pavement Type B with 4'x4' Grid Detail on Sheet C20.0. These details match Legend and labels on Sheet C3.0 for the 3 different types of concrete sidewalk shown. To be clarified in Addendum.

8. Please confirm the size of the acid tank pit. The architectural drawings show this to be 4'-6" deep. The structural and plumbing drawings call for this to be 5'-0" deep.

Response: Structural and Plumbing show the correct depth of 5'-0". Architecturals shall be revised to 5'-0".

9. Please review and confirm the spacing of the beams for the hat channel supports on detail 1/A4.15. The supports do not appear to be adequate as shown.

Response: Provide light gage infill for hat channel support between steel. Hat channels need to be in perpendicular direction.

10. Detail 16/A5.6 calls for a 2 hour fire shutter at the elevator, but does not states whether this is required on one floor or both. Please confirm all requirements for the fire shutter.

Response: 1-1/2 hour fire-rated curtain. Both floors. See Addendum.

11. Please provide a detail on the support rod penetration through the skylight glass at the canopy. Neither the architectural drawing A5.13 nor the structural drawing S9.4 show this detail.

Response: For a 1 1/2" Dia Rod the clevis number is 3 1/2" with a 1" pin, the plate is 5/8" thick x 3" wide x 10" tall (Arch to verify height of plate) w/ a 3/16" weld all around to tapered HSS. For support rod penetrations through skylight at canopy, the glass fabricator will need to provide a detail at the glass opening.

12. Please confirm the requirements for wood blocking at the window sills. Certain details call for this to be pressure treated (as shown on details 22/A12.8 and 22/A12.9) while other details do not call for this blocking to be pressure treated (detail 2/A12.8A)

Response: Pressure treated.

13. Please provide the foundation wall and footing details for the decorative wall at the courtyard. This is graphically shown as concrete with reinforcing but the detail is not labeled. Please also confirm the thickness of the masonry wall. The detail shows 1'(12" block) but the note states that the wall is constructed of 8"x8"x16" block. (see sheet C21.0).

Response: Details shall be provided in Addendum.

14. Drawing A4.4 includes a reference to detail 17/A4.14; however that detail itself is labeled as "Not Used". Please provide the detail or a corrected reference.

Response: Tag shall be deleted.

15. The Notice to Bidder cover letter and Instructions to Bidders (specifications section 00210-2) refers to classified subcontractors for the Structural Steel and Ornamental Iron, Plumbing, HVACR and Electrical trades. The Instructions to Bidders (Specifications Section 00210-5) states that the bid must include the names of the proposed subcontractors proposed for these trades as well as the name of the Drainage and Sprinkler subcontractor. Please confirm whether the Drainage and Sprinkler subcontractor is required to be classified by NJDPMC.

Response: No. Only the prime contractors listed on the bid form are required to be NJDPMC classified.

B. Pre-Bid RFI #2 from Century 21 Construction dated September 4, 2018:

1. The civil drawings call for the existing trash compactor to be relocated. The existing compactor has a ramp to provide access. Please confirm whether the ramp is to be relocated or if a new ramp is to be provided. Please provide details of any required construction.

Response: Trash compactor is to be set on proposed concrete pad. All companies of compactor are to be relocated along with compactor.

2. The new standing seam roof at the Building Addition B calls for a 3'-0" wide snow guard at the eave of the roof (drawing A4.2). Please provide the dimensional location of the snow guard, the number of rows of snow guard that are required and the method of fastening the snow guards. Please also confirm the requirement for insulation below this roof. Specifications section 16/A4.15 calls for 1" rigid insulation, while specification section 07411-4 calls for 5" of isocyanurate insulation.

Response: Note shall be revised. There is 3'-0" wide application of Ice/Water Shield. Single row of snow guard shall be provide per manufacturer's standard and recommendation.

3. Drawing C2.0 calls for the existing 6" pine tree at the corner of Passaic Avenue and Dodge Drive to be removed. This removal appears to be required to accommodate the new location of the digital sign. Please note that this tree includes a 9-11 memorial stone stating that it was planted by ECVTS students. Please confirm that the tree and memorial are to be removed, or confirm whether these will be relocated on site. Please also provide any special requirements that may be related to this tree and memorial.

Response: Contractor shall bid on project as specified on plans.

4. The contract documents include only minimal work at the sidewalk along Passaic Avenue, including the repair/replacement of portions of the sidewalk for new utilities only. The existing sidewalk has some damage/trip hazards resulting from the roots of the existing street trees. Please confirm whether these conditions need to be addressed as part of this project or if the sidewalk will be repaired by others. If these conditions need to be addressed as part of this project please provide direction.

Response: Contractor shall bid on project as specified on plans.

5. Please confirm the scope and details for the guard rail at the eastern edge of the second floor roof (building additions C and D), following are specific clarifications that are required:
 - a. The architectural elevation drawings on A6.6 appear to show this guard rail generally running in the space between column lines N.2 and H.7. The section marks shown on the structural drawings S6.1 and S6.2 appear to show that the guard rail continues along the entire edge of the second floor roof including the area between column lines N.2 and T.2. Please confirm the extent of this guard rail.

Response: Revised in Addendum.

- b. Structural detail 27/S9.4 calls for HSS 6 x 6 x Y posts at each guard rail support. These posts are not shown in either the structural or architectural plan views. All of the cross sections/details that represent the work only show the upper top portion of the post or guard rail. Please provide details showing the full height of these posts and provide details showing the connection to the concrete slab or steel.

Response: Revised in next Addendum

- c. If the guard rail extends along the entire length of the second floor roof, please provide a detail showing the configuration of the HSS posts where the building steel jogs at column location N.4/11.2.

Response: Revised in Addendum.

- d. Please provide dimensions for the knife plate and a detail for weatherproofing the penetration where the knife plate penetrates the composite panels. Please also provide details for fastening the guard rail posts to the knife plate.

Response: Revised in next Addendum.

6. Please confirm the construction and finish at the masonry piers at the base of the main entrance canopy. Section 11/A6.5 and elevation view 24/A6.1 both call for these piers to be nominal 4" thick brick ("Mark E" from the exterior materials/finish schedule). Section 17/A5.13 and detail 30/A5.13 do not address the finish, but both call for these piers to be finished with 6" CMU. Structural section 29/S9.4 calls for the piers to be finished with 8" CMU.

Response: Section 29/S9.4 has to be revised per the latest architectural drawings to show the pier finishes as 4" ground face CMU. Will be corrected on next addendum.

7. In general, the demolition plan D1.3 calls for the complete demolition of the existing one story structure along Passaic Avenue, except that this drawing does not state that the existing slab on grade is to be removed. Further, some of the work in this area is identified by demolition note, 16, which calls for portions of the existing floor slab to be cut out for new column footings. Please confirm whether the existing slab on grade in this area is to be removed in its entirety.

Response: Concrete slab to be removed.

8. Demolition Plan D1.3 shows that the existing column at the exterior wall at the west side of Nurse's Office 102 is to remain. This does not show as an existing column to remain on the structural drawings for new work. Please confirm whether this column is to remain or if this is to be removed. Similarly, please confirm whether all of the existing columns that are required to be removed along the east side of this portion of the building (along Classrooms 115 and 106 and Vestibule 178) are identified properly.

Response: Confirmed per Architectural drawings.

9. The floor plans in the report from RJB Environmental do not match those in the demolition drawings. Please review and clarify the extent of the required demolition and abatement in each of the following:
 - a. Graphic Studio 305 includes a Room 305A on the RJB plan that is not shown on the demolition plan. This area is shown to require abatement of floor tile. Please coordinate these plans and confirm whether this additional room 305A needs to be demolished.

Response: Follow Architectural floor plan. Room 305A does not exist.

- b. The demolition plan shows a Control Booth 303 (inside Music Production 303) that is not shown on the RJB Plan. This area is shown to require abatement of

floor tile. Please coordinate these plans and confirm if the room that is not shown on the RJB plan requires abatement.

Response: Follow architectural plans. In addition to Room 303 also include Rooms 303A and 303B in asbestos abatement.

- c. The three rooms labeled as H,G and F on the RJB plan do not match the layout of the two rooms (Storage and Refrigerator/Freezer) that are shown to remain on the demolition plan. These rooms are not shown to require any abatement work. Please coordinate these plans and reconfirm whether any abatement or demolition is required based on the actual layout.

Response: Follow architectural plans.

- d. The six rooms labeled as A thru F plus the one adjacent unlabeled room on the RJB plan do not match the layout of the nine rooms/closets in this area on the demolition plan. Some of these rooms (B, C, D and F) are shown to require abatement of floor tile and some of the rooms (C and D) are shown to require abatement of thermal system pipe/fitting insulation. The remaining rooms / closets are not shown to require abatement. Please coordinate these plans and reconfirm the extent of any required abatement at all nine rooms / closets based on the actual layout.

Response: Follow architectural plans.

10. The demolition drawings and the key notes on those drawings do not designate the type of walls that are shown to be removed. Please identify the specific walls as being masonry, metal studs/drywall or other materials and show the approximate height of the existing wall construction.

Response: Bidders must visit the site.

11. The structural drawings show column lines for the existing construction and for the new work. Please include these column lines on the plan drawings for all disciplines.

Response: No

12. Electrical drawings E5.1 shows the conduit routing. Note 6 on this drawing calls for (2) 4" empty conduits with a pull string (below grade) and is intended to cover the conduits for the telecom service from the exterior to the new MDF room. This same note is used for the conduit for the new feed to distribution board NSDP (this note is located to the left of the title for Classroom 116). Please confirm that the conduit for distribution board NSDP should actually be (1) 4" conduit and that this is to be installed above the ceiling.

Response: Disregard the callout of note 6 on the feeder for distribution board NSDP. Feeder shall be installed above ceiling, refer to one-line diagram on sheet E12.2 for sizes.

13. On the single-line drawing E12.2 neither the conduit nor the wire size are shown for the new feed to existing panel 117. Please provide this information.

Response: 4#3/0 AWG & 1#6 EG IN 2" Conduit.

14. Demolition drawing D1.1 calls for existing Kitchen 203 to remain. Please review and coordinate this with the mechanical, plumbing and electrical demolition drawings, each of which defines a slightly different area that is to remain.

Response: Ceiling work in this area is part of allowance.

15. Please clarify the following items relating to the scope of work at door opening 125C, the roll down door/grille between Cafeteria 125 and Serving 126:

- a. The documents include separate specifications for overhead coiling doors and overhead coiling grilles. The plan view on architectural drawing A2.1 and the cross section view through this opening (section 21/A3.9) both refer to this as an overhead coiling door. The door schedule (Drawing A13.1) refers to this as door type D8, which is described on drawing A13.3 as an overhead coiling grille. Please confirm whether door 125C is intended to be an overhead coiling door or a grille.

Response: Coiling Grille.

- b. Please confirm whether the overhead door/grille is intended to be fabricated as one unit. The drawings call for a 35 ft. opening, while the specified manufacturer has a 30 ft. limitation on the width of its security grilles.

Response: Single as confirmed by basis-of-design manufacturer. Delete portion of spec. section paragraph 2.4.A.

- c. If this overhead door/grille is determined to be a grille, the specifications call for self-supporting structural tubes which would be provided by the overhead grille subcontractor. The structural drawings call for new supports for this overhead door/grille, including two new steel beams, structural steel angle supports/bracing, new steel tube columns and new footings. Please confirm which installation method is to be followed for this installation and revise the documents accordingly.

Response: Structural members shown on structural drawings are required to support new overhead beam. Rails will be mounted to structural members. Plan details shall be revised in Addendum.

- c. The door schedule (A13.1) calls for door 125C to be 8'-0" high. The schedule of door types (drawing A13.3) defines this as the height to the bottom of the hood. The cross section through this door opening (section 21/A3.9) shows the bottom of the hood to be concealed above the ceiling, effectively making the door approximately 11'-0" high. Please review and confirm the height to the bottom of the hood.

Response: 11'-0"

16. Specification Section 087700 includes an outline of the general door hardware requirements for the project. The specification states that the outline is intended to be used as a guide only for the general contractor's use in estimating the installation cost for the door hardware. Please clarify the following:

- a. In general, the hardware outline in the specification calls for electrified hardware at exterior single doors and exterior pairs of doors. Please note that the door schedule (drawings A13.1 and A13.2) calls for the contractor to "provide elec. for access control" for a number of doors, including doors which are not exterior doors. Please confirm whether the scope of work is based on the specifications or on the door schedule.

Response: See Door Schedule

- b. The drawings include a number of doors that are not identified by door number and are not listed on the door schedule. Please confirm that there will be no work related to these doors, including door hardware or access control.

Response: Confirm, but also see and coordinate with alternate for Auto Shop Suite.

- c. Please confirm whether all of the equipment for the access control system including the controllers, computers, software, card readers, etc. will be reimbursed through the hardware allowance. If not, please provide a detailed scope of work for all work related to the door access control system, including a specification for all equipment, controllers, computers, software, card readers, etc.

Response: Coordinate with Low Voltage Drawings

- d. Certain of the doors for which the door schedule calls for the contractor to "provide elec. for access control" are overhead coiling doors or grilles. The hardware for these doors is not covered by the hardware allowance. Please provide a detailed scope of work for connecting these doors to the access control system.

Response: Coordinate with Low Voltage Drawings

- e. Specification 283111 for the digital addressable fire alarm system calls for the system to interface with certain door hardware devices including magnetically held-open doors and electronically locked doors and access gates. The documents currently do not show any magnetic hold open devices, nor do they identify all locations where electric door hardware is required to be unlocked. Please identify all door locations that need to interface with the fire alarm system.

Response: Door holders are shown on sheet E9.3 & E9.4 at the doors that connect corridors 156 & 157, and at the doors that connect corridors 158 & 161 (Corridor 161 is on sheet E9.1)

C. Pre-Bid RFI #3 from Brockwell & Carrington Contractors, Inc. dated September 5, 2018:

1. Is Section 10430 Dimensional Letters covered by a material allowance?

Response: To be included in Allowance No. 3. Wording shall be revised.

2. The Acknowledgement Page of Addendum # 1 states: "This Addendum must be signed, dated & returned with all bids". Please confirm that just the signed Acknowledgement Page of each addendum must be signed, dated and returned with the bid submission

package and not the ENTIRE addendum which could be many pages and include plans.

Response: Addendum Acknowledgement Page only to be returned signed with bid package.

3. We have received requests from Subcontractors to visit the site. Can a 2nd walk-thru be scheduled for subcontractors before the RFI deadline? Please advise.

Response: Yes. Per School Schedule. When set we can let everyone know the date.

4. There weren't any specifications provided for the Flagpoles called out on Dwg C3.0 & Detailed on Dwg C14.0. We acknowledge a BOD Manufacturer on C14.0, please provide specifications with additional approved manufacturers as this is a public project. Please advise if the flags will be provided by the owner. If not please provide info on what is required.

Response: To be Addressed in Addendum

5. Please provide specifications & detail for the Double Swing Gate w/panic hardware and single swing gate w/panic hardware called out on C16.0.

Response: To be addressed in Addendum.

6. Please provide specifications or make & model #'s for the Precast Planters & Bleachers detailed on C22.0 and called out on C16.0.

Response: Planters are not stock items. They must be custom fabricated by a precaster.

7. With reference to Spec 00210-8 (13), Please confirm Alternate will be selected in order as specified.

Response: No. District can select any alternate.

8. Please confirm CAD drawings will be provided at no cost to GC. If any charges are there please provide cost to include in the bid.

Response: Confirmed but contractor will be required to sign release.

9. Please confirm NTP date with actual construction time period on site. Spec 00210-10 (15-A) indicates full access of building and site will be on July 1, 2019, this means contractor cannot work on site & building. Please clarify.

Response: No construction or demolition work can be performed prior to July 1, 2019. All submittals and schedules, permits, utility notifications etc. can be completed prior to 7/1/19.

10. Please confirm Allowances # 04 includes installation cost also. Description on 00312-2 doesn't indicate. Please clarify.

Response: Installation costs are included in base bid.

11. Are the Overhead Coiling Doors to be Fire-Rated?

Response: No

12. Bid form 00310-3 (H) indicates Completion – 578 Calendar Days (19 Months) or 15 Months from NTP. Which one is correct? Please clarify.

Response: Substantial Completion to be achieved no later than October 15, 2020.

13. Bid form 00310-4 (I) indicates \$1,000 per day for Interim Milestones which were not listed anywhere, please provide Interim Milestone if any applicable.

Response: Not Applicable

14. Bid form 00310-2 (B-6 & 7) indicates “Total Amount Of Allowances No. 5/6 “ need to be updated with No. 6/7.

Response: Form shall be revised in Addendum.

15. Spec Section 00720 11.1.2.5 Excess Liability Umbrella Coverage - Minimum limit states \$20,000,000. Are the Subcontractors required to carry this limit?

Response: Insurance requirements for the project may be changed in the next addenda to be issued

D. Pre-Bid RFI #4 from AGP & Sons, Inc. dated September 5, 2018:

1. Spec. Section 00720 11.1.2.5 Excess Liability Umbrella Coverage
Minimum limit states \$20,000,000. Are the Subcontractors required to carry this limit?

Response: Insurance requirements for the project may be changed in the next addenda to be issued

E. Pre-Bid RFI #5 from Brockwell & Carrington Contractors, Inc. dated September 7, 2018:

1. Please provide the Basis of Design Manufacturer for the Decorative Metal Cantilever Pergola aka Trellis shown on Dwg C16.0 & Detailed on C23.0.

Response: There is no manufacturer specified. Trellis is a custom fabricated component of project.

2. The 50 Gallon SpringSaver Rain Barrel is discontinued per Poly-Mart. The closest product available is the 54 Gallon RainSaver. Please advise if this will be an acceptable replacement. <https://poly-mart.com/rainsaver-54-gallon-rain-barrel/>

Response: FPA takes no exception to alternate rain barrel.

3. Please confirm Stone # 57 is 6” below slab on grade per Note 2 on S-3.1 and not per soil report page 4. Also confirm 6” thick stone #57 is required under all footing foundations.

Response: Both Structural Drawings and the soils report call for 6” - #57 stone below slab and footing foundations. Please reference page 4 of the soil report.

4. Gen condition (3.8.2.2) calls for unloading, labor, installation ... shall be included in the

contract sum but not in the allowances, Please reconsider to include labor installation part of allowances as it is unknown item.

Response: All labor shall be included in base bid except for Allowance No.1 and Allowance No. 5.

5. Please clarify Spec 01380-2 (2.02) Does contractor have to keep provision for any cost associated or Owner will pay entire cost. Says use existing as well as provide equivalent new.

Response: No Owner camera (s) will be utilized. General Contractor to provide equipment as specified in 01380-2.

6. The General Liability limits are \$2,000,000/\$4,000,000. Our policy currently has \$1,000,000/\$2,000,000. We have total Umbrella Limits of \$25,000,000 through the same carrier as the General Liability Policy. Will the owner accept our current liability structure?

Response: Insurance requirements for the project may be changed in the next addenda to be issued

7. General Conditions section 11.1.1.5.1 – “The General Liability Insurance General Aggregate & Umbrella Excess Liability limits shall apply and be written exclusively, in total, to this Project only. A per project endorsement for all coverage’s and limits must be included in each policy.” Some of the wording here is ambiguous, specifically the highlighted wording. Please confirm that they are just referencing that they want a per project aggregate endorsement of the General Liability & Umbrella policies and that they are not looking for specific policies dedicated to this project only. Please advise.

Response: Insurance requirements for the project may be changed in the next addenda to be issued

F. Pre-Bid RFI #6 from Brockwell & Carrington Contractors, Inc. dated September 11, 2018:

1. Per Spec 01500-2 (1.06 B) Please confirm there no existing silt fence or any environmental control, perimeter fencing that exists & needs to be maintained.

Response: No.

2. Per Spec 01500-2 (1.06 E) Please clarify the area on the drawing where grass & weed cutting required weekly, if applicable.

Response: Any grass area on site.

3. Per Spec 01500-3 (1.10) calls for security allowances not found. Please clarify per 1.10.A Do contractor need to keep provision for security on site at all the time as mentioned.

Response: Not Applicable.

4. Per Spec 01500-4 (1.11A) calls for any facility required by full time security personnel, please confirm it is required.

Response: Not Applicable.

5. Please confirm entire project warranty is standard 1 year. Not found anywhere. Spec 01700-2 (1.03 A-14 calls for 10% 1 yr. Maintenance Bond while Spec 01740-2 (1.2-L1) calls for 2 yrs. Please clarify.

Response: 2-year Warranty and 2-year Maintenance Bond as indicated in Spec. Section 01740.

6. Spec 01750-9 (3.1 B) calls for engaging full time Waste Management Coordinator Please confirm super can act as Waste Management Coordinator.

Response: Not applicable. Not LEED project.

7. Question from Food Service Equip. Sub - There are 3 sections that are not shown on the Drawings for this project. K Section is the Kitchen Item #'s starting with K, M Section is the Main Servery Item #'s starting with M and W Section is the Wait Station Area Item #'s starting with W. Nowhere in the project packet are drawings for these areas, that have custom equipment listed, showing Layouts, Schedules, Elevations or Finish Schedules to be used by the fabricators. These are needed because according to each of the specs in these areas, each Item # has "QTY. AS PER PLAN & SCHEDULE" listed for the amounts and sizing needed to quote. Please add these sections to the drawing lists, so that we may quote these Items as shown in the 114000 Specifications.

Response: See addendum for revised specifications.

G. Pre-Bid RFI #7 from Vanas Construction Co., Inc. dated September 11, 2018:

1. Please confirm that all utility company charges for permanent construction (gas, electric, water) will be paid for by the owner.

Response: Owner

2. Allowance #6 requires a unit price to be provided to arrive at the final allowance amount for the removal and disposal of all non-hazardous, contaminated soil. However, there is no unit price for the replacement of the contaminated soil that is removed (i.e. below building pads). Is there to be a unit price provided for fill replacement or will this be addressed as an "add" to the contract or taken from the contingency allowance?

Response: Confirmed.

3. There is no unit price for the removal and replacement of non-hazardous, non-contaminated unsuitable material (i.e. below building pad or at footing bottom). The soils report indicates that the existing is suitable for placement of footings and for reuse (at boring locations). If unsuitable materials are encountered, it is assumed the removal and replacement of same will be handled as an "add" to the contract or taken from the contingency allowance. Please confirm.

Response: Confirmed.

4. There is no rock indicated in the soil borings. If rock is excavated, requiring removal and replacement with suitable materials (for backfill), it is assumed it will be handled as an "add" cost to the contract or taken from the contingency allowance. Please Confirm.

Response: Confirmed.

5. Although the contract provides for 578 days from NTP for substantial completion, the “on-site” start date is not until 7-1-19. With a NTP date of January 15th, this only allows 412 days (13 ½ months) to achieve substantial completion. With significant asbestos removal work to be performed, this allows closer to 12 months to achieve substantial completion. This is not enough time to complete a project of this type with 6 additions. We take exception to the inadequate amount of project duration and request that the time for substantial completion be reconsidered.

Response: Substantial Completion to be achieved no later than October 15, 2020.

6. Allowance #4 is for exterior building letters. Please advise for the following:
- Does this allowance include the exterior cast aluminum plaque logo as indicated in Detail 23/A6.7

Response: Yes

- Does this include the cast aluminum plaque “County of Essex” Seal as indicated on Detail 18/A6.7?

Response: Yes

- Does this allowance include the LED sign within the Pylons as indicated in Detail 16, 17 and 21 on Drawing A6.7?

Response: As indicated on Civil Drawings. The existing sign is to be relocated and installed on new base as shown on referenced details. All this work shall be included in the base bid.

- Does this allowance include labor? Allowance #3 clearly indicates that labor is not to be part of the allowance for interior signage, but the description in Allowance #4 does not indicate such. Please confirm.

Response: Labor shall be included in base bid for Allowance #4. Description shall be revised in Addendum.

- This allowance references specification section 10437 only. Is section 10430 also included in this allowance?

Response: Signage for Section 10430 is to be included in Allowance #3. Description shall be revised in Addendum.

7. Page 01040-3 Para 1.05.C.8 references LEED requirements. We assume this is not a LEED project. Please confirm.

Response: Not a LEED project.

8. Para 1.11.A on Page 01500-4 indicates that the site enclosure fence must be driven posts at 8’-0” centers. Given the nature of this project with multiple additions and the need to make adjustments in the site enclosure fence, are fence panels acceptable? Also, please confirm enclosure fence height.

Response: Fence Panels are acceptable. 8'-0" high.

9. Please clarify what is meant by the last sentence in Para 1.11.A, Page 01500.4, "The General Contractor shall also provide any "Facility" required by the full time security personnel on the project site." It is assumed that the "full time security personnel" referred to is employed by the owner since the specification does not indicate that a full time watchman service is to be provided by the GC. Please clarify.

Response: No full time security required.

10. The specifications do not provide a Concrete Specification 03300. Please provide.

Response: Include in BOOK 2. Section number is 033000.

H. SPECIFICATIONS:

1. Spec. Section 00310, FORM OF PROPOSAL, dated 8/1/18. **Replace** with Spec. Section 00310, FORM OF PROPOSAL, dated 9/14/18, herein attached.
2. Spec. Section 01020, ALLOWANCES, dated 8/1/18. Page 2. **Replace** with Spec. Section 01020, ALLOWANCES, dated 9/14/18, Page 2, herein attached.
3. Spec. Section 01040, COORDINATION AND MEETINGS, dated 8/1/18. Paragraph 1.05.C.9. **Delete** all references to LEED.
4. Spec. Section 01700, CONTRACT CLOSEOUT, dated 8/1/18. Paragraph 1.03.A.14. **Revise** to read "2-Year Maintenance Bond".
5. Spec. Section 11400, FOOD SERVICE EQUIPMENT, dated 8/1/18. **Replace** with Spec. Section 11400, FOOD SERVICE EQUIPMENT, dated 9/14/18, herein attached.
6. Spec. Section, 230913 INSTRUMENTATION AND CONTROL FOR HVAC EQUIPMENT, Dated 8/1/18. Page 1, Paragraph 1.2.C.1 **Revise** as follows:
 - a. Any Existing HVAC Unit DDC which is to remain.
7. Spec. Section, 230913 INSTRUMENTATION AND CONTROL FOR HVAC EQUIPMENT, Dated 8/1/18. Page 3, Paragraph 1.3.D.6 **Revise** as follows:
 - a. Campus Building Management System:
 - I. All new BMS DDC controllers shall be installed to the latest Niagara N4 capabilities as required.
 - II. Provide a Building Management System that is consistent throughout, with the owner's campus and facilities running the Niagara 4 Framework.
 - III. The new building systems shall be integrated into a distributed network system communicating over a BACnet Open Protocol communications network.
 - IV. Software and Graphics:
 - 1) Provide all maintenance software updates for the new Niagara Supervisor Network Controllers to date.
 - 2) Provide new Niagara 4 graphic software, including, providing any current software patches for the user interface. All of the equipment graphics shall conform to this Sections Web-Based Graphic standards.
 - V. Legacy System Integration

- 1) All of the existing DDC devices control components shall be integrated into a single distributed BMS network, communicating over a single Honeywell Open Source – Open System BMS communications network. The Building Management System shall utilize both new and existing Direct Digital Controls as shown on the drawings and as described herein. The new Building Management System shall integrate any remaining HVAC equipment controls onto the Niagara 4 Platform seamlessly.
 - 2) The use of third-party field server software shall not be acceptable.
8. Spec. Section, 230913 INSTRUMENTATION AND CONTROL FOR HVAC EQUIPMENT, Dated 8/1/18. Page 26, Paragraph 2.2.A **Revise** as follows:
- a. Overview: The new Building Management System, as specified in this document, shall be comprised of a Web-based, utilizing the Open Source – Open System Niagara Platform. (Basis of Design: Honeywell WEBs-N4). The Building Management System shall integrate all new HVAC equipment and any HVAC equipment which is to remain.

I. DRAWINGS

1. Drawing T1.2, DRAWING LIST, dated 8/14/18. Drawing list **Revise**.
 - a. **Add** C25.0 IRRIGATION DETAILS
 - b. **Add** S10.3 TYPICAL FOUNDATION DETAILS
 - c. **Add** M4.9 CONSTRUCTION CLASSROOM DETAILS
 - d. M4.09 **Revise** to read M4.10
 - e. M4.10 **Revise** to read M4.11
2. Drawing D1.1, PARTIAL FIRST FLOOR DEMOLITION PLAN ‘AREA A’, dated 8/14/18. **Replace with** D1.1, PARTIAL FIRST FLOOR DEMOLITION PLAN “AREA A”, dated 9/14/18. Herein attached.
3. Drawing D1.3, PARTIAL FIRST FLOOR DEMOLITION PLAN ‘AREA C’, dated 8/14/18. **Replace with** D1.3, PARTIAL FIRST FLOOR DEMOLITION PLAN “AREA C”, dated 9/14/18. Herein attached.
4. Drawing D1.5, PARTIAL FIRST FLOOR DEMOLITION PLAN ‘AREA E’, dated 8/14/18. **Replace with** D1.5, PARTIAL FIRST FLOOR DEMOLITION PLAN ‘AREA E’, dated 9/14/18. Herein attached.
5. Drawing D1.9, ROOF DEMOLITION PLAN, dated 8/14/18. **Replace with** D1.9, ROOF DEMOLITION PLAN, dated 9/14/18. Herein attached.
6. Drawing A1.1, OVERALL FLOOR PLANS, dated 8/14/18. Detail 1 Overall First Floor Plan, and Detail 4 Overall Second Floor Plan. **Add Note**:
 - a. GC SHALL PROVIDE ADDITIONAL WALL REINFORCING IN NEW AND EXISTING STUD WALLS FOR INSTALLATION OF INTERACTIVE BOARD (BY OWNER) BASIS-OF-DESIGN IS A “EPSON 697UI”

7. Drawing A2.1, PARTIAL FIRST FLOOR PLAN 'AREA A', dated 8/14/18. **Replace with** A2.1, PARTIAL FIRST FLOOR PLAN 'AREA A', dated 9/14/18. Herein attached.
8. Drawing A2.2, PARTIAL FIRST FLOOR PLAN 'AREA B', dated 8/14/18. **Replace with** A2.2, PARTIAL FIRST FLOOR PLAN 'AREA B', dated 9/14/18. Herein attached.
9. Drawing A2.3, PARTIAL FIRST FLOOR PLAN 'AREA C', dated 8/14/18. **Replace with** A2.3, PARTIAL FIRST FLOOR PLAN 'AREA C', dated 9/14/18. Herein attached.
10. Drawing A2.4, PARTIAL FIRST FLOOR PLAN 'AREA D', dated 8/14/18. **Replace with** A2.4, PARTIAL FIRST FLOOR PLAN 'AREA D', dated 9/14/18. Herein attached.
11. Drawing A2.5, PARTIAL FIRST FLOOR PLAN 'AREA E', dated 8/14/18. **Replace with** A2.5, PARTIAL FIRST FLOOR PLAN 'AREA E', dated 9/14/18. Herein attached.
12. Drawing A2.5A, ALTERNATE PARTIAL FIRST FLOOR PLAN 'AREA E', dated 8/14/18. **Replace with** A2.5A, ALTERNATE PARTIAL FIRST FLOOR PLAN 'AREA E', dated 9/14/18. Herein attached.
13. Drawing A2.6, PARTIAL FIRST FLOOR PLAN 'AREA F', dated 8/14/18. **Replace with** A2.6, PARTIAL FIRST FLOOR PLAN 'AREA F', dated 9/14/18. Herein attached.
14. Drawing A2.8, PARTIAL SECOND FLOOR PLAN 'AREA D', dated 8/14/18. **Replace with** A2.1, PARTIAL SECOND FLOOR PLAN 'AREA D', dated 9/14/18. Herein attached.
15. Drawing A3.1, PARTIAL FIRST FLOOR REFELCTED CEILING PLAN 'AREA A', dated 8/14/18. **Replace with** A3.1, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 'AREA A', dated 9/14/18. Herein attached.
16. Drawing A3.2, PARTIAL FIRST FLOOR REFELCTED CEILING PLAN 'AREA B', dated 8/14/18. **Replace with** A3.2, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 'AREA B', dated 9/14/18. Herein attached.
17. Drawing A3.3, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 'AREA C', dated 8/14/18. Detail 1. Partial First Floor Reflected Ceiling Plan 'Area C'
 - a. Note **Revise** to read:

“CONTRACTOR SHALL PAINT ALL WALLS (TO MATCH ADJACENT SURFACE) AFTER NEW WORK. PROVIDE NEW WALL BASE (TYP.)“
18. Drawing A3.4, PARTIAL FIRST FLOOR REFELCTED CEILING PLAN 'AREA D', dated 8/14/18. **Replace with** A3.4, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 'AREA D', dated 9/14/18. Herein attached.
19. Drawing A3.5, PARTIAL FIRST FLOOR REFELCTED CEILING PLAN 'AREA E', dated 8/14/18. **Replace with** A3.5, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 'AREA E', dated 9/14/18. Herein attached.
20. Drawing A3.6, PARTIAL FIRST FLOOR REFELCTED CEILING PLAN 'AREA F', dated 8/14/18. **Replace with** A3.6, PARTIAL FIRST FLOOR REFLECTED CEILING PLAN 'AREA F', dated 9/14/18. Herein attached.
21. Drawing A3.8, PARTIAL SECOND FLOOR REFELCTED CEILING PLAN 'AREA D', dated 8/14/18. **Replace with** A3.8, PARTIAL SECOND FLOOR REFLECTED CEILING PLAN "AREA D", dated 9/14/18. Herein attached.

22. Drawing A4.1, PARTIAL ROOF PLAN 'AREA A', dated 8/14/18. **Replace with** A4.1, PARTIAL ROOF PLAN 'AREA A', dated 9/14/18. Herein attached.
23. Drawing A4.2, PARTIAL ROOF PLAN 'AREA B', dated 8/14/18. **Replace with** A4.2, PARTIAL ROOF PLAN 'AREA B', dated 9/14/18. Herein attached.
24. Drawing A4.3, PARTIAL ROOF PLAN 'AREA C', dated 8/14/18. **Replace with** A4.3, PARTIAL ROOF PLAN 'AREA C', dated 9/14/18. Herein attached.
25. Drawing A4.4, PARTIAL ROOF PLAN 'AREA D', dated 8/14/18. **Replace with** A4.4, PARTIAL ROOF PLAN 'AREA D', dated 9/14/18. Herein attached.
26. Drawing A4.6, PARTIAL ROOF PLAN 'AREA F', dated 8/14/18. **Replace with** A4.6, PARTIAL ROOF PLAN 'AREA F', dated 9/14/18. Herein attached.
27. Drawing A4.7, CANOPY & VESTIBULE LOW ROOF PLAN, MECHANICAL ROOF SCREEN PLAN dated 8/14/18. **Replace with** A4.7, CANOPY & VESTIBULE LOW ROOF PLAN, MECHANICAL ROOF SCREEN PLAN, dated 9/14/18. Herein attached.
28. Drawing A4.15, ROOF DETAILS, dated 8/14/18. Detail 16, Roof Detail :
 - a. Note **Revise** to read:

“STANDING SEAM MTL. ROOF OVER 3/4" PLYWOOD SHEATHING OVER 5” RIGID INSULATION OVER MTL. DECK, (TYP)”
29. Drawing A4.16, ROOF DETAILS, dated 8/14/18. Detail 4, Roof Detail :
 - a. Note **Revise** to read:

“STEEL CROSS BAR REF. TO STRUCT. DWG. (GALVANIZED)”
30. Drawing A4.19, ROOF DETAILS, dated 8/14/18:
 - a. Detail 1, Roof Detail, Note **Revise** to read:

“EXTEND ROOFING SYSTEM UP TO MEMBRANE FLASHING“
 - b. Detail 3, Roof Detail, Note **Revise** to read:

“EXTEND ROOFING SYSTEM UP TO MEMBRANE FLASHING“
 - c. Detail 11, Roof Detail, Note **Revise** to read:

“ROOFING SYSTEM”
 - d. Detail 13, Roof Detail, Note **Revise** to read:

“ROOFING SYSTEM”
31. Drawing A4.20, ROOF DETAILS, dated 9/14/18 **Added**
32. Drawing A5.4, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.4, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
33. Drawing A5.5, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.5, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.

34. Drawing A5.6, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.6, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
35. Drawing A5.7, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.7, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
36. Drawing A5.8, DETAILS dated 8/14/18. **Replace with** A5.8, DETAILS, dated 9/14/18. Herein attached.
37. Drawing A5.9, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.9, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
38. Drawing A5.10, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.10, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
39. Drawing A5.11, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.11, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
40. Drawing A5.12, ENLARGED PLAN DETAILS dated 8/14/18. **Replace with** A5.12, ENLARGED PLAN DETAILS, dated 9/14/18. Herein attached.
41. Drawing A6.1, EXTERIOR ELEVATIONS AT AREA A & B dated 8/14/18. **Replace with** A6.2, EXTERIOR ELEVATIONS AT AREA A & B, dated 9/14/18. Herein attached.
42. Drawing A6.2, EXTERIOR ELEVATIONS AT AREA B & C dated 8/14/18. **Replace with** A6.2, EXTERIOR ELEVATIONS AT AREA B & C, dated 9/14/18. Herein attached.
43. Drawing A6.3, EXTERIOR ELEVATIONS AT AREA C & D dated 8/14/18. **Replace with** A6.3, EXTERIOR ELEVATIONS AT AREA C & D, dated 9/14/18. Herein attached.
44. Drawing A6.4, EXTERIOR ELEVATIONS AT AREA D, E & F dated 8/14/18. **Replace with** A6.4, EXTERIOR ELEVATIONS AT AREA D, E & F, dated 9/14/18. Herein attached.
45. Drawing A6.5, EXTERIOR ELEVATIONS AT AREA E & F dated 8/14/18. **Replace with** A6.5, EXTERIOR ELEVATIONS AT AREA E & F, dated 9/14/18. Herein attached.
46. Drawing A6.6, EXTERIOR REAR ELEVATIONS AT AREA C & D, dated 8/14/18. Detail 4. Exterior Rear Elevation At Area D. Note **Revise** to read:

“ROOF LADDER GALVANIZED (TYP.) “
47. Drawing A6.7, EXTERIOR REAR ELEVATIONS AT AREA A, D, E & F dated 8/14/18. **Replace with** A6.7, EXTERIOR REAR ELEVATIONS AT AREA A, D, E & F, dated 9/14/18. Herein attached.
48. Drawing A8.1, ELEVATOR FLOOR PLANS, SECTIONS & DETAILS dated 8/14/18. **Replace with** A8.1, ELEVATOR FLOOR PLANS, SECTIONS & DETAILS, dated 9/14/18. Herein attached.
49. Drawing A8.2, ENLARGED STAIR FLOOR PLANS, SECTIONS & DETAILS dated 8/14/18. **Replace with** A8.1, ENLARGED STAIR FLOOR PLANS, SECTIONS & DETAILS, dated 9/14/18. Herein attached.
50. Drawing A8.5, STAIR DETAILS, dated 8/14/18. Detail 15. Acid Tank Pit Detail. Dimension string **Revise** to read **5'-0"**

51. Drawing A9.7, WALL SECTIONS dated 8/14/18. **Replace with** A9.7, WALL SECTIONS, dated 9/14/18. Herein attached
52. Drawing A9.8, WALL SECTIONS dated 8/14/18. **Replace with** A9.8, WALL SECTIONS, dated 9/14/18. Herein attached
53. Drawing A9.11, WALL SECTIONS dated 8/14/18. **Replace with** A9.11, WALL SECTIONS, dated 9/14/18. Herein attached
54. Drawing A9.13, WALL SECTIONS, dated 8/14/18. Detail 26. Wall Section. **Delete** Note “5/8” GYP. BD. ON 6” (20GA) METAL STUDS”
55. Drawing A9.15, WALL SECTIONS, dated 8/14/18. Detail 6. Wall Section.
 - a. Room Tag JANITOR CLOSET **Revise** to read **JANITOR OFFICE**
 - b. Column Tag EX6 **Revise** to read **EXH**
56. Drawing A9.17, WALL SECTIONS dated 8/14/18. **Replace with** A9.17, WALL SECTIONS, dated 9/14/18. Herein attached
57. Drawing A10.1, INTERIOR TOILET ELEVATIONS dated 8/14/18. **Replace with** A10.1, INTERIOR TOILET ELEVATIONS, dated 9/14/18. Herein attached
58. Drawing A10.2, INTERIOR TOILET ELEVATIONS dated 8/14/18. **Replace with** A10.2, INTERIOR TOILET ELEVATIONS, dated 9/14/18. Herein attached
59. Drawing A10.12, FIRST FLOOR INTERIOR ELEVATIONS dated 8/14/18. **Replace with** A10.12, FIRST FLOOR INTERIOR ELEVATIONS, dated 9/14/18. Herein attached
60. Drawing A10.13, FIRST FLOOR INTERIOR ELEVATIONS dated 8/14/18. **Replace with** A10.13, FIRST FLOOR INTERIOR ELEVATIONS, dated 9/14/18. Herein attached
61. Drawing A10.15, FIRST FLOOR INTERIOR ELEVATIONS dated 8/14/18. **Replace with** A10.15, FIRST FLOOR INTERIOR ELEVATIONS, dated 9/14/18. Herein attached
62. Drawing A10.16, FIRST FLOOR INTERIOR ELEVATIONS dated 8/14/18. **Replace with** A10.16, FIRST FLOOR INTERIOR ELEVATIONS, dated 9/14/18. Herein attached.
63. Drawing A12.1, WINDOW WALL TYPES dated 8/14/18. **Replace with** A12.1, WINDOW WALL TYPES, dated 9/14/18. Herein attached.
64. Drawing A12.2, WINDOW WALL TYPES dated 8/14/18. **Replace with** A12.2, WINDOW WALL TYPES, dated 9/14/18. Herein attached.
65. Drawing A12.3, CURTAIN WALL TYPES dated 8/14/18. **Replace with** A12.3, CURTAIN WALL TYPES, dated 9/14/18. Herein attached.
66. Drawing A12.4, CURTAIN WALL TYPES dated 8/14/18. **Replace with** A12.4, CURTAIN WALL TYPES, dated 9/14/18. Herein attached.
67. Drawing A12.5, CURTAIN WALL TYPES dated 8/14/18. **Replace with** A12.5, CURTAIN WALL TYPES, dated 9/14/18. Herein attached.
68. Drawing A12.9, WINDOW WALL AND CURTAIN WALL DETAILS, dated 8/14/18. **Replace with** A12.9, WINDOW WALL AND CURTAIN WALL DETAILS, dated 9/14/18. Herein attached.

69. Drawing A13.2, DOOR SCHEDULE AND DETAILS dated 8/14/18. **Replace with** A13.2, DOOR SCHEDULE AND DETAILS, dated 9/14/18. Herein attached.
70. Drawing A13.3, DOOR SCHEDULE AND DETAILS dated 8/14/18. **Replace with** A13.3, DOOR SCHEDULE AND DETAILS, dated 9/14/18. Herein attached.
71. Drawing A14.1, PARTIAL FIRST FLOOR FINISH PLAN 'AREA A' dated 8/14/18. **Replace with** A14.1, PARTIAL FIRST FLOOR FINISH PLAN 'AREA A', dated 9/14/18. Herein attached
72. Drawing A14.10, FINISH SCHEDULE dated 8/14/18. **Replace with** A14.10, FINISH SCHEDULE, dated 9/14/18. Herein attached
73. Drawing A14.11, FINISH SCHEDULE dated 8/14/18. **Replace with** A14.11, FINISH SCHEDULE, dated 9/14/18. Herein attached
74. Drawing A15.1, PARTIAL FURNITURE FIRST FLOOR PLAN 'AREA A' dated 8/14/18. **Replace with** A15.1, PARTIAL FURNITURE FIRST FLOOR PLAN 'AREA A', dated 9/14/18. Herein attached.
75. Drawing A15.2, PARTIAL FURNITURE FIRST FLOOR PLAN 'AREA B & C' dated 8/14/18. **Replace with** A15.2, PARTIAL FURNITURE FIRST FLOOR PLAN 'AREA C & D', dated 9/14/18. Herein attached.
76. Drawing A15.5, PARTIAL FURNITURE FIRST FLOOR PLAN 'AREA F' dated 8/14/18. **Replace with** A15.5, PARTIAL FURNITURE FIRST FLOOR PLAN 'AREA F', dated 9/14/18. Herein attached.
77. Drawing S1.3, SPECIFICATIONS AND SCHEDULES, dated 8/14/18 **Replace with** 1.3, SPECIFICATIONS AND SCHEDULES, dated 9/14/18. Herein attached.
78. Drawing S3.1, PARTIAL FOUNDATION PLAN - AREA 'A', dated 8/14/18 **Replace with** 3.1, PARTIAL FOUNDATION PLAN - AREA 'A', dated 9/14/18. Herein attached.
79. Drawing S3.3, PARTIAL FOUNDATION PLAN - AREA 'C', dated 8/14/18 **Replace with** 3.3, PARTIAL FOUNDATION PLAN - AREA 'C', dated 9/14/18. Herein attached.
80. Drawing S5.1, PARTIAL ROOF FRAMING PLAN - AREA, dated 8/14/18 **Replace with** S5.1, PARTIAL ROOF FRAMING PLAN - AREA, dated 9/14/18. Herein attached.
81. Drawing S5.2, PARTIAL LOW AND HIGH ROOF FRAMING PLAN - AREA 'B', dated 8/14/18 **Replace with** S5.2, PARTIAL LOW AND HIGH ROOF FRAMING PLAN - AREA 'B', dated 9/14/18. Herein attached.
82. Drawing S5.3, PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'C', dated 8/14/18 **Replace with** S5.3, PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'C', dated 9/14/18. Herein attached.
83. Drawing S5.4, PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'D', dated 8/14/18 **Replace with** S5.4, PARTIAL SECOND FLOOR FRAMING PLAN - AREA 'D', dated 9/14/18. Herein attached.
84. Drawing S5.5, PARTIAL ROOF FRAMING PLAN - AREA 'E', dated 8/14/18 **Replace with** S5.5, PARTIAL ROOF FRAMING PLAN - AREA 'E', dated 9/14/18. Herein attached.
85. Drawing S5.6, PARTIAL ROOF FRAMING PLAN - AREA 'F', dated 8/14/18 **Replace with** S5.6, PARTIAL ROOF FRAMING PLAN - AREA 'F', dated 9/14/18. Herein attached.

86. Drawing S6.1, PARTIAL ROOF FRAMING PLAN - AREA 'C', dated 8/14/18 **Replace with** S6.1, PARTIAL ROOF FRAMING PLAN - AREA 'C', dated 9/14/18. Herein attached.
87. Drawing S6.2, PARTIAL ROOF FRAMING PLAN - AREA 'D', dated 8/14/18 **Replace with** S6.2, PARTIAL ROOF FRAMING PLAN - AREA 'D', dated 9/14/18. Herein attached.
88. Drawing S7.1, FOUNDATION SECTIONS, dated 8/14/18 **Replace with** S7.1, FOUNDATION SECTIONS, dated 9/14/18. Herein attached.
89. Drawing S9.4, ROOF SECTIONS, dated 8/14/18 **Replace with** S9.4 ROOF SECTIONS, dated 9/14/18. Herein attached.
90. Drawing S9.4, FOUNDATION SECTIONS, dated 8/14/18 **Replace with** S7.2, FOUNDATION SECTIONS, dated 9/14/18. Herein attached.
91. Drawing S10.1, TYPICAL FOUNDATION DETAILS, dated 8/14/18 **Replace with** S10.1, TYPICAL FOUNDATION DETAILS, dated 9/14/18. Herein attached.
92. Drawing S10.2, TYPICAL FOUNDATION DETAILS, dated 8/14/18 **Replace with** S10.2, TYPICAL FOUNDATION DETAILS, dated 9/14/18. Herein attached.
93. Drawing M4.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' DUCTWORK, dated 8/14/18 **Replace with** M4.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' DUCTWORK, dated 9/14/18. Herein attached.
94. Drawing M4.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' DUCTWORK, dated 8/14/18 **Replace with** M4.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' DUCTWORK, dated 9/14/18. Herein attached.
95. Drawing M4.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' DUCTWORK, dated 8/14/18 **Replace with** M4.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' DUCTWORK, dated 9/14/18. Herein attached.
96. Drawing M4.5A, PARTIAL FIRST FLOOR PLAN - AREA 'E' DUCTWORK ALTERNATE, dated 8/14/18 **Replace with** M4.5A, PARTIAL FIRST FLOOR PLAN - AREA 'E' DUCTWORK ALTERNATE, dated 9/14/18. Herein attached.
97. Drawing M4.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' DUCTWORK, dated 8/14/18 **Replace with** M4.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' DUCTWORK, dated 9/14/18. Herein attached.
98. Drawing M4.7, ENLARGED FIRST FLOOR PLAN - AREA 'F' DUCTWORK, dated 8/14/18 **Replace with** M4.7, ENLARGED FIRST FLOOR PLAN - AREA 'F' DUCTWORK, dated 9/14/18. Herein attached.
99. Drawing M4.8, CONSTRUCTION CLASSROOM NOTES & DETAILS, dated 8/14/18 **Replace with** M4.8, CONSTRUCTION CLASSROOM NOTES & DETAILS, dated 9/14/18. Herein attached.
100. Drawing M4.9, CONSTRUCTION CLASSROOM DETAILS, dated 9/14/18 **Added.**
101. Drawing M4.10, PARTIAL SECOND FLOOR PLAN - AREA 'C' DUCTWORK, dated 8/14/18 **Replace with** M4.10, PARTIAL SECOND FLOOR PLAN - AREA 'C' DUCTWORK, dated 9/14/18. Herein attached.

102. Drawing M4.11, PARTIAL SECOND FLOOR PLAN - AREA 'D' DUCTWORK, dated 8/14/18 **Replace with** M4.11, PARTIAL SECOND FLOOR PLAN - AREA 'D' DUCTWORK, dated 9/14/18. Herein attached.
103. Drawing M5.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' PIPING, dated 8/14/18 **Replace with** M5.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' PIPING, dated 9/14/18. Herein attached.
104. Drawing M5.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' PIPING, dated 8/14/18 **Replace with** M5.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' PIPING, dated 9/14/18. Herein attached.
105. Drawing M5.5A, PARTIAL FIRST FLOOR PLAN - AREA 'E' PIPING ALTERNATE, dated 8/14/18 **Replace with** M5.5A, PARTIAL FIRST FLOOR PLAN - AREA 'E' PIPING ALTERNATE, dated 9/14/18. Herein attached.
106. Drawing M6.5A, PARTIAL ROOF PLAN - AREA 'E' ALTERNATE, dated 8/14/18 **Replace with** M6.5A, PARTIAL ROOF PLAN - AREA 'E' ALTERNATE, dated 9/14/18. Herein attached.
107. Drawing M8.1, SCHEDULES, dated 8/14/18 **Replace with** M8.1, SCHEDULES, dated 9/14/18. Herein attached.
108. Drawing M8.5, SCHEDULES, dated 8/14/18 **Replace with** M8.5, SCHEDULES, dated 9/14/18. Herein attached.
109. Drawing M8.6, SCHEDULES, dated 8/14/18 **Replace with** M8.6, SCHEDULES, dated 9/14/18. Herein attached.
110. Drawing M8.8, SCHEDULES, dated 8/14/18 **Replace with** M8.8, SCHEDULES, dated 9/14/18. Herein attached.
111. Drawing M8.9, SCHEDULES, dated 8/14/18 **Replace with** M8.9, SCHEDULES, dated 9/14/18. Herein attached.
112. Drawing M8.10, SCHEDULES, dated 8/14/18 **Replace with** M8.10, SCHEDULES, dated 9/14/18. Herein attached.
113. Drawing M8.11, SCHEDULES, dated 8/14/18 **Replace with** M8.11, SCHEDULES, dated 9/14/18. Herein attached.
114. Drawing M9.1, DETAILS, dated 8/14/18 **Replace with** M9.1, DETAILS, dated 9/14/18. Herein attached.
115. Drawing M9.4, DETAILS, dated 8/14/18 **Replace with** M9.4, DETAILS, dated 9/14/18. Herein attached.
116. Drawing M9.5, DETAILS, dated 8/14/18 **Replace with** M9.5, DETAILS, dated 9/14/18. Herein attached.
117. Drawing M9.6, DETAILS, dated 8/14/18 **Replace with** M9.6, DETAILS, dated 9/14/18. Herein attached.
118. Drawing M9.7, DETAILS, dated 8/14/18 **Replace with** M9.7, DETAILS, dated 9/14/18. Herein attached.
119. Drawing M9.10, DETAILS, dated 8/14/18 **Replace with** M9.10, DETAILS, dated 9/14/18. Herein attached.

120. Drawing E1.3, INTERIOR LIGHT FIXTURE SCHEDULE, dated 8/14/18 **Replace with** E1.3, INTERIOR LIGHT FIXTURE SCHEDULE, dated 9/14/18. Herein attached.
121. Drawing E1.4, EXTERIOR LIGHT FIXTURE SCHEDULE & CONTROLS, dated 8/14/18 **Replace with** E1.4, EXTERIOR LIGHT FIXTURE SCHEDULE & CONTROLS, dated 9/14/18. Herein attached.
122. Drawing E3.3, DEMOLITION PLAN - PARTIAL FIRST FLOOR AREA 'B', dated 8/14/18 **Replace with** E3.3, DEMOLITION PLAN - PARTIAL FIRST FLOOR AREA 'B', dated 9/14/18. Herein attached.
123. Drawing E3.4, DEMOLITION PLAN - PARTIAL FIRST FLOOR AREA 'C', dated 8/14/18 **Replace with** E3.4, DEMOLITION PLAN - PARTIAL FIRST FLOOR AREA 'C', dated 9/14/18. Herein attached.
124. Drawing E3.6, DEMOLITION PLAN - PARTIAL FIRST FLOOR AREA 'E', dated 8/14/18 **Replace with** E3.6, DEMOLITION PLAN - PARTIAL FIRST FLOOR AREA 'E', dated 9/14/18. Herein attached.
125. Drawing E4.1, SITE PLAN, dated 8/14/18 **Replace with** E4.1, SITE PLAN, dated 9/14/18. Herein attached.
126. Drawing E5.1, FIRST FLOOR PLAN - CONDUIT ROUTING, dated 8/14/18 **Replace with** E5.1, FIRST FLOOR PLAN - CONDUIT ROUTING, dated 9/14/18. Herein attached.
127. Drawing E6.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' POWER, dated 8/14/18 **Replace with** E6.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' POWER, dated 9/14/18. Herein attached.
128. Drawing E6.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' POWER, dated 8/14/18 **Replace with** E6.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' POWER, dated 9/14/18. Herein attached.
129. Drawing E6.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' POWER, dated 8/14/18 **Replace with** E6.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' POWER, dated 9/14/18. Herein attached.
130. Drawing E6.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' POWER, dated 8/14/18 **Replace with** E6.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' POWER, dated 9/14/18. Herein attached.
131. Drawing E6.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' POWER, dated 8/14/18 **Replace with** E6.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' POWER, dated 9/14/18. Herein attached.
132. Drawing E6.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' POWER, dated 8/14/18 **Replace with** E6.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' POWER, dated 9/14/18. Herein attached.
133. Drawing E6.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' POWER, dated 8/14/18 **Replace with** E6.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' POWER, dated 9/14/18. Herein attached.
134. Drawing E6.8, PARTIAL SECOND FLOOR PLAN - AREA 'D' POWER, dated 8/14/18 **Replace with** E6.8, PARTIAL SECOND FLOOR PLAN - AREA 'D' POWER, dated 9/14/18. Herein attached.
135. Drawing E7.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' LOW VOLTAGE, dated 8/14/18 **Replace with** E7.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' LOW VOLTAGE, dated 9/14/18. Herein attached.

136. Drawing E7.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' LOW VOLTAGE, dated 8/14/18
Replace with E7.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' LOW VOLTAGE, dated 9/14/18.
Herein attached.
137. Drawing E7.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' LOW VOLTAGE, dated 8/14/18
Replace with E7.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' LOW VOLTAGE, dated 9/14/18.
Herein attached.
138. Drawing E7.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' LOW VOLTAGE, dated 8/14/18
Replace with E7.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' LOW VOLTAGE, dated 9/14/18.
Herein attached.
139. Drawing E7.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' LOW VOLTAGE, dated 8/14/18
Replace with E7.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' LOW VOLTAGE, dated 9/14/18.
Herein attached.
140. Drawing E7.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' LOW VOLTAGE, dated 8/14/18
Replace with E7.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' LOW VOLTAGE, dated 9/14/18.
Herein attached.
141. Drawing E7.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' LOW VOLTAGE, dated 8/14/18
Replace with E7.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' LOW VOLTAGE, dated 9/14/18. Herein attached.
142. Drawing E8.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' LIGHTING, dated 8/14/18 **Replace with** E8.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' LIGHTING, dated 9/14/18. Herein attached.
143. Drawing E8.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' LIGHTING, dated 8/14/18 **Replace with** E8.2, PARTIAL FIRST FLOOR PLAN - AREA 'B' LIGHTING, dated 9/14/18. Herein attached.
144. Drawing E8.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' LIGHTING, dated 8/14/18 **Replace with** E8.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' LIGHTING, dated 9/14/18. Herein attached.
145. Drawing E8.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' LIGHTING, dated 8/14/18 **Replace with** E8.4, PARTIAL FIRST FLOOR PLAN - AREA 'D' LIGHTING, dated 9/14/18. Herein attached.
146. Drawing E8.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' LIGHTING, dated 8/14/18 **Replace with** E8.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' LIGHTING, dated 9/14/18. Herein attached.
147. Drawing E8.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' LIGHTING, dated 8/14/18 **Replace with** E8.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' LIGHTING, dated 9/14/18. Herein attached.
148. Drawing E8.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' LIGHTING, dated 8/14/18 **Replace with** E8.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' LIGHTING, dated 9/14/18. Herein attached.
149. Drawing E8.8, PARTIAL SECOND FLOOR PLAN - AREA 'D' LIGHTING, dated 8/14/18 **Replace with** E8.8, PARTIAL SECOND FLOOR PLAN - AREA 'D' LIGHTING, dated 9/14/18. Herein attached.

150. Drawing E9.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' FIRE ALARM, dated 8/14/18 **Replace with** E9.1, PARTIAL FIRST FLOOR PLAN - AREA 'A' FIRE ALARM, dated 9/14/18. Herein attached.
151. Drawing E9.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' FIRE ALARM, dated 8/14/18 **Replace with** E9.3, PARTIAL FIRST FLOOR PLAN - AREA 'C' FIRE ALARM, dated 9/14/18. Herein attached.
152. Drawing E9.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' FIRE ALARM, dated 8/14/18 **Replace with** E9.6, PARTIAL FIRST FLOOR PLAN - AREA 'F' FIRE ALARM, dated 9/14/18. Herein attached.
153. Drawing E9.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' FIRE ALARM, dated 8/14/18 **Replace with** E9.7, PARTIAL SECOND FLOOR PLAN - AREA 'C' FIRE ALARM, dated 9/14/18. Herein attached.
154. Drawing E10.1, PARTIAL ROOF PLAN - AREA 'A', dated 8/14/18 **Replace with** E10.1, PARTIAL ROOF PLAN - AREA 'A', dated 9/14/18. Herein attached.
155. Drawing E10.2, PARTIAL ROOF PLAN - AREA 'B', dated 8/14/18 **Replace with** E10.2, PARTIAL ROOF PLAN - AREA 'B', dated 9/14/18. Herein attached.
156. Drawing E10.4, PARTIAL ROOF PLAN - AREA 'D', dated 8/14/18 **Replace with** E10.4, PARTIAL ROOF PLAN - AREA 'D', dated 9/14/18. Herein attached.
157. Drawing E10.6, PARTIAL ROOF PLAN - AREA 'F', dated 8/14/18 **Replace with** E10.6, PARTIAL ROOF PLAN - AREA 'F', dated 9/14/18. Herein attached.
158. Drawing E13.2, PANEL SCHEDULES, dated 8/14/18 **Replace with** E13.2, PANEL SCHEDULES, dated 9/14/18. Herein attached.
159. Drawing E13.3, PANEL SCHEDULES, dated 8/14/18 **Replace with** E13.3, PANEL SCHEDULES, dated 9/14/18. Herein attached.
160. Drawing E13.4, PANEL SCHEDULES, dated 8/14/18 **Replace with** E13.4, PANEL SCHEDULES, dated 9/14/18. Herein attached.
161. Drawing E13.5, PANEL SCHEDULES, dated 8/14/18 **Replace with** E13.5, PANEL SCHEDULES, dated 9/14/18. Herein attached.
162. Drawing E13.6, PANEL SCHEDULES, dated 8/14/18 **Replace with** E13.6, PANEL SCHEDULES, dated 9/14/18. Herein attached.
163. Drawing E13.11, PANEL SCHEDULES, dated 8/14/18 **Replace with** E13.11, PANEL SCHEDULES, dated 9/14/18. Herein attached.
164. Drawing E14.1, DETAILS, dated 8/14/18 **Replace with** E14.1, DETAILS, dated 9/14/18. Herein attached.
165. Drawing E14.3, DETAILS, dated 8/14/18 **Replace with** E14.3, DETAILS, dated 9/14/18. Herein attached.
166. Drawing E14.7, DETAILS, dated 8/14/18 **Replace with** E14.7, DETAILS, dated 9/14/18. Herein attached.

167. Drawing E14.8, DETAILS, dated 8/14/18 **Replace with** E14.8, DETAILS, dated 9/14/18. Herein attached.
168. Drawing E14.9, DETAILS, dated 8/14/18 **Replace with** E14.9, DETAILS, dated 9/14/18. Herein attached.
169. Drawing P1.1, SYMBOLS, NOTES & ABBREVIATIONS, dated 8/14/18 **Replace with** P1.1, SYMBOLS, NOTES & ABBREVIATIONS, dated 9/14/18. Herein attached.
170. Drawing P1.2, FIXTURE SCHEDULE, dated 8/14/18 **Replace with** P1.2, FIXTURE SCHEDULE, dated 9/14/18. Herein attached.
171. Drawing P4.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' UNDERSLAB, dated 8/14/18 **Replace with** P4.5, PARTIAL FIRST FLOOR PLAN - AREA 'E' UNDERSLAB, dated 9/14/18. Herein attached.
172. Drawing P5.6, PARTIAL FIRST FLOOR PLAN - AREA 'F', dated 8/14/18 **Replace with** P5.6, PARTIAL FIRST FLOOR PLAN - AREA 'F', dated 9/14/18. Herein attached.
173. Drawing P5.7, PARTIAL SECOND FLOOR PLAN - AREA 'C', dated 8/14/18 **Replace with** P5.7, PARTIAL SECOND FLOOR PLAN - AREA 'C', dated 9/14/18. Herein attached.
174. Drawing P6.1, PARTIAL ROOF PLAN - AREA 'A', dated 8/14/18 **Replace with** P6.1, PARTIAL ROOF PLAN - AREA 'A', dated 9/14/18. Herein attached.
175. Drawing P6.2, PARTIAL ROOF PLAN - AREA 'B', dated 8/14/18 **Replace with** P6.2, PARTIAL ROOF PLAN - AREA 'B', dated 9/14/18. Herein attached.
176. Drawing P7.6, ENLARGED PLANS, dated 8/14/18 **Replace with** P7.6, ENLARGED PLANS, dated 9/14/18. Herein attached.
177. Drawing P8.5, SANITARY RISERS, dated 8/14/18 **Replace with** P8.5, SANITARY RISERS, dated 9/14/18. Herein attached.
178. Drawing P8.6, GAS RISERS, dated 8/14/18 **Replace with** P8.6, GAS RISERS, dated 9/14/18. Herein attached.
179. Drawing P8.11, WATER RISER, dated 8/14/18 **Replace with** P8.11, WATER RISER, dated 9/14/18. Herein attached.
180. Drawing P9.2, DETAILS, dated 8/14/18 **Replace with** P9.2, DETAILS, dated 9/14/18. Herein attached.
181. Drawing FP4.4, PARTIAL FIRST FLOOR PLAN - AREA 'D', dated 8/14/18 **Replace with** FP4.4, PARTIAL FIRST FLOOR PLAN - AREA 'D', dated 9/14/18. Herein attached.
182. Drawing FP4.7, PARTIAL SECOND FLOOR PLAN - AREA 'C', dated 8/14/18 **Replace with** FP4.7, PARTIAL SECOND FLOOR PLAN - AREA 'C', dated 9/14/18. Herein attached.
183. Drawing FP4.8, PARTIAL SECOND FLOOR PLAN - AREA 'D', dated 8/14/18 **Replace with** FP4.8, PARTIAL SECOND FLOOR PLAN - AREA 'D', dated 9/14/18. Herein attached.
184. Drawing C2.0, DEMOLITION PLAN, dated 8/14/18 **Replace with** C2.0, DEMOLITION PLAN, dated 9/14/18. Herein attached.
185. Drawing C3.0, SITE PLAN, dated 8/14/18 **Replace with** C3.0, SITE PLAN, dated 9/14/18. Herein attached.

186. Drawing C4.0, GRADING PLAN dated 8/14/18 **Replace with** C3.0, GRADING PLAN, dated 9/14/18. Herein attached.
187. Drawing C5.0, UTILITY PLAN dated 8/14/18 **Replace with** C5.0, UTILITY PLAN, dated 9/14/18. Herein attached.
188. Drawing C8.0, OVERALL LANDSCAPE PLAN dated 8/14/18 **Replace with** C8.0, OVERALL LANDSCAPE PLAN, dated 9/14/18. Herein attached.
189. Drawing C9.0, LANDSCAPE PLAN dated 8/14/18 **Replace with** C9.0, LANDSCAPE PLAN, dated 9/14/18. Herein attached.
190. Drawing C10.0, LANDSCAPE NOTES & DETAILS, dated 8/14/18 **Replace with** C10.0, LANDSCAPE NOTES & DETAILS, dated 9/14/18. Herein attached.
191. Drawing C12.0, LIGHTING PLAN, dated 8/14/18 **Replace with** C12.0, LIGHTING PLAN, dated 9/14/18. Herein attached.
192. Drawing C13.0, CONSTRUCTION DETAILS, dated 8/14/18 **Replace with** C13.0, CONSTRUCTION DETAILS, dated 9/14/18. Herein attached.
193. Drawing C14.0, CONSTRUCTION DETAILS, dated 8/14/18 **Replace with** C14.0, CONSTRUCTION DETAILS, dated 9/14/18. Herein attached.
194. Drawing C15.0, CONSTRUCTION DETAILS, dated 8/14/18 **Replace with** C15.0, CONSTRUCTION DETAILS, dated 9/14/18. Herein attached.
195. Drawing C16.0, CONSTRUCTION DETAILS, dated 9/14/18 **Added.**
196. Drawing C17.0, COURTYARD SITE PLAN, dated 8/14/18 **Replace with** C17.0, COURTYARD SITE PLAN, dated 9/14/18. Herein attached.
197. Drawing C19.0, COURTYARD LANDSCAPE PLAN, dated 8/14/18 **Replace with** C19.0, COURTYARD LANDSCAPE PLAN, dated 9/14/18. Herein attached.
198. Drawing C20.0, COURTYARD LIGHTING PLAN, dated 8/14/18 **Replace with** C20.0, COURTYARD LIGHTING PLAN, dated 9/14/18. Herein attached.
199. Drawing C22.0, COURTYARD CONSTRUCTION DETAILS, dated 8/14/18 **Replace with** C22.0, COURTYARD CONSTRUCTION DETAILS, dated 9/14/18. Herein attached.
200. Drawing C23.0, COURTYARD CONSTRUCTION DETAILS, dated 8/14/18 **Replace with** C23.0, COURTYARD CONSTRUCTION DETAILS, dated 9/14/18. Herein attached.
201. Drawing C24.0, COURTYARD CONSTRUCTION DETAILS, dated 8/14/18 **Replace with** C24.0, COURTYARD CONSTRUCTION DETAILS, dated 9/14/18. Herein attached.
202. Drawing C25.0, IRRIGATION PLAN, dated 8/14/18 **Replace with** C25.0, IRRIGATION PLAN, dated 9/14/18. Herein attached.

THIS ADDENDUM MUST BE SIGNED, DATED AND RETURNED WITH ALL BIDS. A COPY OF THIS ADDENDUM SHALL BE RETAINED BY THE BIDDER

I acknowledge receipt of this Addendum #2:

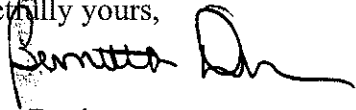
Signature

Company

Print Name

Date

Respectfully yours,



Bernetta Davis
Business Administrator
BD/lt

SECTION 00310 - FORM OF PROPOSAL

To: Essex County Vocational Technical Schools (Owner)

for: **BUILDING ADDITIONS & INTERIOR RENOVATIONS AT ESSEX COUNTY WEST CALDWELL SCHOOL OF TECHNOLOGY**

Date _____

BASE BID:

We, _____, the Undersigned, in accordance with the published advertisement inviting proposals, will furnish all labor, material, equipment and services necessary for the complete construction, as defined in the advertisement, specimen contract, specifications, drawings, and proposal, for the Contract amount indicated below for the GENERAL CONSTRUCTION for the **BUILDING ADDITIONS & INTERIOR RENOVATIONS AT ESSEX COUNTY WEST CALDWELL SCHOOL OF TECHNOLOGY** in strict accordance with the Contract Documents and Addenda thereto as prepared by DiCara | Rubino Architects for the total sum of:

A. LUMP SUM BASE BID (including all Allowances):

_____ (Dollars)

Written

\$ _____

Figures

B. ALLOWANCES (The Allowances listed below are to be included in the Base Bid- also refer to Specifications Section 01020- Allowances)

Allowances: The Allowance(s) amounts herein specified are the net amounts available for purchase of materials, including taxes (if any), and, unless otherwise noted in the allowance, the installation/labor cost of any Owner approved changes that will be applied against the allowance amount. The approved amount of each allowance change will be the **net** cost only; insurance, bond, coordination, supervision, project management and overhead/profit are in the contractor's base bid. Changes will be applied to the allowance strictly at the Owner's discretion.

Upon completion of the project, a deduct change order will be issued for all unused allowance amounts. Contractor's schedule of values will include line items for the respective allowances.

1. Allowance No. 1: Contractor shall allow the contingency sum of FIVE HUNDRED THOUSAND DOLLARS (\$500,000.00) to cover unknown conditions discovered during construction.
2. Allowance No. 2: Contractor shall allow the LUMP sum of THREE HUNDRED THOUSAND DOLLARS (\$300,000.00) to furnish only finish hardware. Installation of the finish hardware is to be included within the Contract Sum Base Bid and is not part of this Allowance.

3. Allowance No. 3: Contractor shall allow the lump sum of Sixty Five Thousand Dollars (\$65,000) for interior signage scheduled in specification Section 10425 and 10430. The installation of the signage shall be included within the Contract Sum Base Bid and not as part of this allowance. All other signage not included in Section 10425 and 10430 are to be included within the Contract Sum Base Bid including (but not limited to) signage required to be provided by the contractor for piping identification, electric panel designations, street signs and parking lot stripping (as identified on Civil Drawings.)
4. Allowance No. 4: Contractor shall allow the lump sum of Sixty Thousand Dollars (\$60,000) for exterior cast letters as scheduled in specification Section 10437. The installation of the signage shall be included within the Contract Sum Base Bid and not as part of this allowance.
5. Allowance No. 5: Contractor shall allow the lump sum of Sixty Thousand Dollars (\$60,000.00) to remove existing suspended ceiling and lights & provide new ceiling and lights in Kitchen #127, #127A, #127B, #127C & #127D, as directed by Architect.
6. Allowance No.6: Contractor shall allow the following contingency sum to Test, Excavate, Load, Haul and properly Dispose of Non-Hazardous Contaminated Soil. The Contractor shall refer to Specification Section 312000, Sub Section 3.21.C - "DISPOSAL OF SURPLUS AND WASTE MATERIALS". The contingency shall equal – 7,000 tons x Unit Price stated on Bid Form = amount of the allowance.

7,000 TONS X \$ _____ / TON =

Total Amount of Allowance No. 6: \$ _____

7. Allowance No.7: Contractor shall allow Five (5) tons of fabricated and erected steel. This steel shall be provided at any time until final acceptance of this contract by the Architect. This steel may consist of W.F. sections, angles, frames or various miscellaneous steel. Include shop drawings, fabrication and erection in this item. Five (5) Tons X Unit Price per Ton stated on bid form = Amount of Allowance.

5 TONS X \$ _____ / TON =

Total Amount of Allowance No. 7: \$ _____

8. Allowance No.8: Contractor shall allow the lump sum of Five Thousand Dollars (\$5,000.00) for a dedication plaque. The installation of the dedication plaque shall be included within the Contract Sum Base Bid and not as part of this allowance.

C. CHECK LIST FOR BIDDERS:

The following, properly completed, and (where required) signed and sealed, are required to be submitted in quadruplicate with Bid or Bid will be rejected:

See Page 00250 CL-1 for Bidders Checklist.

D. UNIT PRICES: NOT USED

E. ALTERNATE BIDS INCLUDE THE FOLLOWING:

NOTE: If amount written differs from the numerical figures, only the written amount will be accepted as the correct bid.

The undersigned submits the following Alternate Bid that shall become part of the Contract Documents if accepted by the Owner.

The failure to bid an alternate by leaving the amount blank or stating "no bid" shall be considered a material defect, resulting in the rejection of the bid. If an alternate item will result in no change in the base bid, bidder shall clearly so indicate by stating either "zero" or "no change".

Alternate No. 1 (Circle One) ADD or DEDUCT
_____ \$ _____
Written Figures

State the cost difference to the Base Bid to remove and dispose existing light fixtures and provide new light fixtures in Gymnasium #119 as indicated on drawings.

Alternate No. 2 (Circle One) ADD or DEDUCT
_____ \$ _____
Written Figures

State the cost difference to the Base Bid to prime and paint all walls, roof deck, roof structure and ductwork and all other exposed areas in its entirety in Gymnasium #119 as indicated on drawings.

Alternate No. 3 (Circle One) ADD or DEDUCT
_____ \$ _____
Written Figures

State the cost difference to the Base Bid to provide all renovation work in Auto Services #134, #136A, #136B, #136C, #136D & #136F as indicated on drawings.

- F. AGREEMENT: We, the Undersigned, agree, if awarded the Contract, to execute an agreement for the above stated work and compensation on the Standard Form of Agreement Between Owner and Contractor, AIA Document A132/CMA Edition and a Waiver of Liens in such form as the Owner will direct.
- G. SURETY: We, the Undersigned, agree, if awarded the Contract, to execute and deliver to the Owner, prior to the signing of the Contract, the Performance and Payment Bonds as required by Section 00210 - Instructions to Bidders.
- H. COMPLETION TIME: We, the Undersigned, agree, if awarded the Contract, to begin work within 10 days after Notice to Proceed and complete the entire work to the satisfaction of the Owner and the Architect within the time stated below, as applicable.

Full Access of Building and Site – July 1, 2019
Substantial Completion – October 15, 2020
Final Completion – 45 Days After Substantial Completion

- I. LIQUIDATED DAMAGES: We, the Undersigned, agree, if awarded the Contract, that \$1000.00 per day for Interim Milestones and \$2,500.00 per day for Substantial Completion and \$1,000.00 per day for Final Completion for each consecutive calendar day beyond milestone and completion dates as set forth in the milestones stated in Section 01010 will be paid to the Owner for liquidated damages, pursuant to the General Conditions, will be incorporated in the Agreement.
- J. BID SECURITY: The attached bid security (10% of bid not to exceed \$20,000) is to become the Property of the Owner in the event that the Contract and bond are not executed within the time set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.
- K. STATEMENT:
 - 1. We, the Undersigned, acting through its authorized officers and intending to be legally bound, agree that this bid proposal shall constitute an offer by the Undersigned to enter into a Contract with the acts and things therein provided, which offer shall be irrevocable for sixty (60) calendar days from the date of opening hereof and that the Owner may accept this offer at any time during said period by notifying the Undersigned of the acceptance of said offer.

The undersigned further agrees to comply with the requirements as to conditions of employment, wage rates, and hours of labor set forth in the Contract Documents.

Dated _____

Firm Name _____

Address _____

Phone Number _____

**If a corporation, give the State of Incorporation, using the phrase:
 "A corporation organized under the laws of _____."

If a partnership, give names of the partners, using also the phrase:
 "Co-partners trading and doing business under the firm name and style of _____"

If an individual using a trade name, give individual name, also using the phrase:
 "An individual doing business under the firm name and style of _____"

Dated: _____

STATE OF _____

SS.

COUNTY OF _____

_____ being duly sworn say that the several matters stated in this proposal are in all respects true, and that no member of The Essex County Vocational Technical Schools or employee of the OWNER are interested in any way in this proposal.

Bidder signs above line

Print Name and Title

Sworn and subscribed before me

this _____ day _____ 20____

day of _____

1. If it is not feasible to return unused material, prepare unused material for the Owner's storage, and deliver to the storage space as directed. Otherwise, disposal is the Contractor's responsibility.
- H. Inspection: Inspect products covered by an allowance promptly upon delivery for damage or defects.
- I. Preparation: Coordinate materials and installation for each allowance with related materials and installations to ensure that each allowance item is integrated with related construction activities.
- J. SCHEDULE OF ALLOWANCE

1. Allowance No. 1: Contractor shall allow the contingency sum of Five Hundred Thousand Dollars (\$500,000.00) to cover unknown conditions discovered during construction.
2. Allowance No.2: Contractor shall allow the lump sum of Three Hundred Thousand Dollars (\$300,000.00) to furnish (only) finish hardware. Installation of the finish hardware is to be included within the Contract Sum Base Bid and is not part of this Allowance.
3. Allowance No.3: Contractor shall allow the lump sum of Sixty Five Thousand Dollars (\$65,000) for interior signage scheduled in specification Section 10425 and 10430. The installation of the signage shall be included within the Contract Sum Base Bid and not as part of this allowance. All other signage not included in Section 10425 and 10430 are to be included within the Contract Sum Base Bid including (but not limited to) signage required to be provided by the contractor for piping identification, electric panel designations, street signs and parking lot stripping. (as identified on Civil Drawings.)
4. Allowance No. 4: Contractor shall allow the lump sum of Sixty Thousand Dollars (\$60,000) for exterior cast letters as scheduled in specification Section 10437. The installation of the signage shall be included within the Contract Sum Base Bid and not as part of this allowance.
5. Allowance No. 5: Contractor shall allow the lump sum of Sixty Thousand Dollars (\$60,000.00) to remove existing suspended ceiling and lights & provide new ceiling and lights in Kitchen #127, #127A, #127B, #127C & #127D as directed by Architect.
6. Allowance No.6: Contractor shall allow the following contingency sum to Test, Excavate, Load, Haul and properly Dispose of Non-Hazardous Contaminated Soil. The Contractor shall refer to Specification Section 312000, Sub Section 3.21.C - "DISPOSAL OF SURPLUS AND WASTE MATERIALS". The contingency shall equal – 7,000 tons x Unit Price stated on Bid Form = amount of the allowance.
7. Allowance No. 7: Contractor shall allow Five (5) tons of fabricated and erected steel. This steel shall be provided at any time until final acceptance of this contract by the Architect. This steel may consist of W.F. Sections, angles, frames or various miscellaneous steel. Include shop drawings, fabrication and erection in this item. 5 Tons X Unit Price per ton stated on Bid form = Amount of Allowance.
8. Allowance No. 8: Contractor shall allow the lump sum of Five Thousand Dollars (\$5,000.00) for a dedication plaque. The installation of the dedication plaque shall be included within the Contract Sum Base Bid and not as part of this allowance.

END OF SECTION 01020

SECTION 11400 - FOOD SERVICE EQUIPMENT

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 GENERAL

- A. Raymond & Raymond is herein identified as the Kitchen Consultant.
- B. Custom fabricated equipment must be built by a company continually in business for at least a 5-year period.
- C. Contract documents convey a method of construction for custom fabrication; however this may or may not be the appropriate method based on selected fabricators industry knowledge and standards. It will be the responsibility of the selected fabricator to interpret and apply appropriate methods of construction for full functionality of custom fabrication.

1.3 WORK INCLUDED

- A. Cooperate in every way with other contractors in order that whole installation may result in the highest grade possible.
- B. Only such valves, traps, faucets, shut-offs, reducing pressure valves, relief valves and other specialty items required within equipment and as hereinafter specified, included in this work.
- C. Make all necessary cut-outs and knock-outs where required on equipment to accommodate electrical receptacles, switches or other electrical outlets and equipment, together with such cut-outs as required for passage of gas or plumbing piping, etc.
- D. Stack and remove rubbish waste material, crating, etc., resulting from work and keep the premises clean at all times. Upon completion of the installation, thoroughly and finally clean all equipment ready for use.

1.4 POWER AVAILABLE

- A. Electric Voltage: 120/208/480 volt, 60 cycle, 1 & 3 ph.
- B. Water Pressure: Typical Food Service Equipment range 25 to 90 PSI, if required, pressure reducing valves provided by plumbing contractor.
- C. Temperature: 120° Fahrenheit max at hand washing and work sinks. 140° Fahrenheit max at pot sink and dishwashers.
- D. Gas: 6" W.C. min – 8" W.C. max.

1.5 GENERAL CHARACTERISTICS OF EQUIPMENT

- A. Electrically Operated
 - 1. Electrically operated equipment: listed by Underwriters Labs., Inc.
 - 2. Motors: up to and including 1/2 h.p., shall be 120/60/1

3. Motors: over 1/2 h.p., 208/60/3, or as otherwise indicated
4. Ranges, food warmers, etc., over 1.5 k.w., 208/60/3, unless otherwise specified
5. Electrically heated equipment, etc., 1.5 k.w. and under, 120/60/1
6. 1 ph. electrical plug-in units with 3 wire cords; 3 wire cap
7. 3 ph. electrical plug-in units with 4 wire cords; 4 wire cap
8. Motor driven equipment: equipped with starting switch
9. Motors: equipped with overload protection
10. Wiring on fixtures, including operating switches and pilots, furnished by Kitchen Equipment Contractor.

B. Submit in writing to Architect and Food Service Consultant for approval, schedule showing proposed electrical characteristics of each piece of equipment and disconnect means provided.

C. Punch holes for, and install hood and walk-in cooler/freezer lights and concealed conduits. The interconnection of same, including control switch, wiring, etc., by Electrical Contractor.

1.6 WORK EXCLUDED FROM THIS DIVISION

A. The following work in conjunction with Food Service Installation, done by others.

1. Electrical Contractors

- a. Make connections to all food service equipment as shown.
- b. Furnish disconnect switches.
- c. Interconnecting of all hood lights and control switches.
- d. Interconnecting of control switches as required on equipment shown, and all other components which come as part of any equipment shown on plan.

2. Plumbing Contractor

- a. Make hot and cold water waste and gas connections to all kitchen equipment shown, furnishing all necessary shut-offs, traps, grease traps, line runs, etc., and install all faucets, pot fillers, filters and pressure regulators, furnished by Kitchen Equipment Contractor.
- b. Interconnecting of any and all other components that come as part of any other equipment shown.
- c. Provide floor drains and floor sinks where shown and indirect piping to floor drains and floor sinks as indicated on drawings.

3. Ventilation Contractor

- a. Furnish size, shape and location of vent collars for hood and make connections to these collars. Collars by Kitchen Equipment Contractor.

4. General Contractor

- a. Provide and/or coordinate all work to the floors, walls, and ceiling of the space.
- b. Provide wall blocking where required and as indicated K.E.C.

1.7 SUBCONTRACTORS

A. The name and addresses of all Subcontractors furnished to Architect/Owner and Food Service Consultant at time of submitting shop drawings. Selection of Subcontractors must be approved by them; and if in their judgment any fail to prosecute work in strict accordance with drawings and contract, after due notice from Owner or his agent, shall discharge same, but this in no way

releases Kitchen Equipment Contractor from his obligations and responsibility under the contract.

- B. Every Subcontractor bound by terms and provisions of the contract so far as applicable to his work. Nothing contained herein shall create any contractual relations between any Subcontractor and Owner.

Note: Kitchen Equipment Contractor fully responsible to Owner for acts and omissions of his Subcontractors.

1.8 SHOP DRAWINGS, ETC.

- A. Immediately upon award of Contract and within 4 weeks, submit to Architect/Owner and Food Service Consultant, 3 sets of drawings for approval. Submit 1/4" scale roughing drawings showing locations of plumbing, and electrical connections with all requirements indicated at point of connection; use of a legend or numbered connection plan will be cause for drawing rejection. Prior to fabrication, Kitchen Equipment Contractor shall submit to Architect for approval 3 sets 1/2" scale shop drawings showing plan, elevations and isometric views covering all items of work. Drawings to show dimensions and details of construction, installation and relations to adjoining and related work where same requires cutting or close fitting. Show reinforcement, anchorage, etc., required for complete installation. After correction and approval of above -- submit 6 sets for record, then afterwards as many additional copies as required by client.
- B. Submit in same manner as above, drawings showing masonry bases, depressed floors, positions of walls, requirements for ceiling hangers, wall blocking, and any and all special information necessary for complete and correct correlation of various trades and satisfactory installation of all equipment shown on drawings.
- C. Manufacturer's names, cuts, descriptive data, analysis of tests, rated capacities and other information necessary for approval of standard manufactured articles and equipment furnished to Architect/Owner and Food Service Consultant for approval before ordering or purchasing. This submission made in same manner as above. All cuts marked with item number, mechanical characteristics, accessories furnished and bound in folders.

1.9 GENERAL REQUIREMENTS

- A. No machine or equipment acceptable from any manufacturer not having had equipment of approximately the same type and design as that specified operating successfully for at least 5 years. Machines installed for test purposes shall not come within the category of successful commercial operation.
- B. Architect/Owner and/or Food Service Consultant privileged to inspect material and fabrication at Kitchen Equipment Contractor's factory at any time.
- C. Before proceeding with shop work, Kitchen Equipment Contractor to verify all measurements at premises. Where required dimensions are not immediately obtainable and delay in waiting for these dimensions would cause work to be seriously delayed, the matter shall be referred to Architect for a decision. In obtaining measurements, Kitchen Equipment Contractor shall consider work requirements of other trades, and equipment designed and fabricated to provide necessary clearance for surrounding and adjoining work.
- D. Kitchen Equipment Contractor responsible for making any and all necessary adjustments to complete his work in a workmanlike manner, as approved by Architect/Owner.

- E. Dimensions as indicated on drawings and specifications are approximate, and are to be adjusted if and where necessary to suit job conditions and field measurements.
- F. Tops of tables, shelves, tops and exterior panels of cabinets, counters, doors, drainboards, etc., to be constructed of a single sheet of metal. Where size of equipment requires more than 1 sheet of metal, sheets butt joined with joints continuously welded full length. No joints less than 18" from an edge or end of a piece of equipment. In addition, all joints shall have battens or stiffeners welded to jointed material, ground smooth and polished.
- G. Appliances of rigid construction free from objectionable vibration and quiet in operation.
- H. Electrical heating elements shall conform to latest standards of National Electrical Manufacturer's Association and Underwriters Labs., Inc., where applicable standards have been set up by such agencies.
- I. Motors of ample power to operate machines for which designated under full load operating conditions without exceeding nameplate ratings. Horsepower requirements on driven equipment determined by manufacturer, based on normal operation of maximum capacity.
- J. Motors drip-proof, splash-proof or totally enclosed type, having two-hour duty cycle and ball bearings (except small timing motors which may have sleeve bearings). All motors shall have windings impregnated to resist moisture. Motors located where adjacent to deposits of dust, lint, etc., totally enclosed type.
- K. It is the responsibility of the K.E.C. to supply and mount all electrical outlets, switches, controls, etc. within table/counter back splashes, aprons, panels, etc. and to provide S.S. cover plates as required. Furthermore, it is the responsibility of the Electrical Contractor, in coordination with the Kitchen Equipment Contractor, to make final interconnections within table/counter interior to junction boxes, outlets, switches, controls, etc. for equipment indicated, if required.

1.10 STAINLESS STEEL (S.S.)

- A. Where S.S. is specified, it shall be Type 304, nickel bearing iron alloy, containing approximately 17.0% to 19% chromium, 8% to 10% nickel, not more than 0.2% carbon, and not more than 2.0% of other alloying elements; designed being austenitic (non-magnetic).
- B. S.S. free from scale with all surfaces polished to a high commercial finish. All welding and exposed welds hereinafter specified, must be ground down and polished smooth to a #4 finish so that no evidence of welding will appear. Unexposed welds on underside of counter or tables ground smooth and treated with an acid solution to remove weld discoloration and oxidization and to arrest corrosion.
- C. Undersides of all counters, work tables, sinks, drain boards, etc., after fabrication, to have one (1) heavy coat of sound deadening material applied as allowed by local codes.
- D. Gauges for sheet iron and sheet metal, U.S. Standard.
- E. Rivets, welds, bolts, screws, nuts and washers to be steel except where brass or S.S. is fastened, in which case they shall be brass or S.S., respectively. Where dissimilar metals are fastened, welds, bolts, rivets, screws, nuts and washers, highest grade metal. Spacing and extent of welds, rivets, bolts and screws such as to insure suitable fastening and prevent bulging of metals fastened.

1.11 SANITATION

- A. All custom built equipment constructed in accordance with standard No. 2, 4 & 7 of National Sanitation Foundation Testing Laboratory, manufactured by a company approved by N.S.F. and carry their stamp of approval. Kitchen Equipment Contractor must have "Registered" numbered seal of N.S.F. approval.

1.12 OPERATING INSTRUCTIONS

- A. Kitchen Equipment Contractor shall leave all items of equipment in good, operating condition, and furnish the services of a "Qualified" competent manufacturer's representative to instruct Owner's employees in proper use and care of equipment. Representative on call for as long a period as is necessary to assure Owner that such instruction is thoroughly understood.
- B. Kitchen Equipment Contractor or his qualified manufacturer's representative, thereafter, shall make all necessary calls during warranty period. Kitchen Equipment Contractor must include this service in bid.

1.13 SAMPLES

- A. Prior to Award of Contract, when requested, Kitchen Equipment Contractor shall supply Architect with samples of fabricated equipment, such as corner of table with a rolled or inverted "V" edge, corner of dish table, overshef, drawer assembly, table leg with foot and gusset, or as specifically requested.

1.14 GUARANTEE

- A. Kitchen Equipment Contractor shall guarantee, as part of the bid and/or contract, workmanship, material and equipment for a period of 1 year from date of equipment final install and project turnover to Owner, and shall remedy any defect due to faulty workmanship or materials which may appear within guarantee period.
- B. Manufacturer's operation and maintenance manuals on equipment, etc., turned over to the Owner in duplicate, bound in a folder and marked accordingly.

1.15 EQUIPMENT CONSTRUCTION AND STANDARDS

- A. Where initials S.S. are used, they refer to "stainless steel;" C.P. refers to "chrome plated;" N.I.C. refers to "not in contract;" G.I. refers to "galvanized iron;" F.D. refers to "floor drain", and F.S. refers to "floor sink."

1.16 WASTES AND OVERFLOWS

- A. Sinks to have DrainKing rotary stainless steel ball drain, Teflon seals, 2" outlet, brass housing to be chrome plated, S.S. strainer plate, Fisher tail piece with threaded connection Fisher #6129, rotary lever operated waste outlets and overflows, such as manufactured by Fisher Mfg. Co., installed by Kitchen Equipment Contractor.

1.17 WATER INLET LOCATION

- A. Located in all cases above the positive water level to prevent siphoning of liquid into water system. Wherever conditions require water inlet below such level, a suitable type of vacuum breaker shall be placed on fixture and form part of same to prevent such siphoning.
- B. All faucets furnished by Kitchen Equipment Contractor as specified. Traps furnished by Plumbing Contractor.

1.18 PITCH AND DRAINAGE

- A. Wherever a fixture is used with waste or drain outlet, surface shall have distinct pitch towards outlet. Drainboards and tables that contain or adjoin sinks shall have a definite pitch towards sinks. Where necessary, surfaces creased and grooved to give a definite pitch.

1.19 SINKS

- A. #14 gauge S.S. interior corners rounded to 1" radius horizontally and vertically, forming a cove in bottom. All joints butt edged. Sink sizes given, inside measurements.
- B. Bottom of each compartment creased to center and fitted with a rotary drain as described in section 1.16, hereinbefore specified. Waste lever not to protrude beyond body of sink. Sinks to have overflows installed by Kitchen Equipment Contractor.
- C. Overflow to consist of 1-1/2" chrome plated brass strainer plate, fitted in back of each compartment at proper level directly connected to waste outlet with 1-1/2" chrome plated brass pipe.
- D. Back of sink extended integrally approximately 12" above working level, back 2-1/4" on 45° angle towards rear and then flanged down 1" and punched to accommodate faucets.
- E. Front and both ends, unless otherwise specified and shown, finished on top edge, 3" above working level, with 1-1/2" diameter, 180° welded integral roll. Exterior corners rounded to a 2-1/2" radius, all integrally welded.
- F. Sinks and drainboards finished on front and back edges only and left with straight edge on ends, so that drainboards may be welded thereto, forming integral units with top edge of rolled rim curbing formed on one horizontal plane across front to unit though surfaces of drainboards pitched to sinks.
- G. Multiple compartment sinks divided with double wall #14 gauge S.S. partitions, all corners rounded same as corners in sinks, continuously welded in place.
- H. Back, bottom and front of one continuous piece with no overlapping joints or open spaces between compartments.

1.20 SINK BOWL BUILT INTO TABLE TOP

- A. Sink constructed integral with table top #14 gauge S.S. having all interior corners coved vertically and horizontally forming a cove in bottom. To have overflow, lever waste outlet, etc..., as hereinbefore specified for sinks in spec section 1.19.
- B. All joints butt edged and welded, ground and polished, so that no evidence of welding will appear. All sink sizes inside measurements. Table top where shown, punched to receive deck type combination faucets, provided by Kitchen Equipment Contractor.

1.21 FAUCET AND BASKET DRAIN ASSEMBLY

- A. All pot and pan sinks, unless otherwise specified, furnished with (1) Fisher Mfg. Co. stainless steel #24589 pre-rinse unit $\frac{3}{4}$ ", and (1) Fisher Mfg. Co. stainless steel #51209 faucet, $\frac{3}{4}$ " with 14" swing spout. Preparation sinks, unless otherwise specified, furnished with (1) Fisher Mfg. Co. stainless steel #60798 faucet, $\frac{1}{2}$ " with 12" swing spout. Built-in work sinks and similar type sinks, unless otherwise specified, furnished with Fisher Mfg. Co. stainless steel #57665 faucet, $\frac{1}{2}$ " with 12" swing spout. Hand sinks, unless otherwise specified, furnished with (1) Fisher Mfg.

Co. stainless steel #58564 faucet, ½" with 6" swing spout. All faucet assemblies complete with mixing faucets, nipples, elbows, and backflow preventers for Plumbing Contractor to install and connect. All faucets specified to have standard wrist type handle, NO LEAD Stainless Steel construction, polished to mirror finish, internal stainless steel seats, two part swivel stems to prevent cross flow, ADA easy turn stems. All plumbing fixtures shall be certified CSA, ASME A112.18.1/CSA B125.1, AB1953/HSC 116875, Vermont Bill S152, NSF/ANSI 61 sec 9, annex F and G, NSF/ANSI 372 low lead content, ASTM F2324.

- B. Unless otherwise specified, all sinks shall be fitted with Fisher Mfg. Co. DrainKing waist valve #22306.

1.22 DRAINBOARDS

- A. #14 gauge S.S. full width of sink carried up approximately 12" at back and where adjacent to wall and finished same as heretofore described for back of sink, and having 3" high curbing at front and ends not adjacent to walls and finished with integral 1-1/2" diameter 180° roll, unless otherwise specified.
- B. Drainboards continuously welded to sinks.
- C. Drainboards 30" long or less shall have 1-1/2" #16 gauge S.S. tubular braces secured at underside near front and welded to S.S. gusset at leg anchor. All others to have legs and cross bracing with full length and width undershelf as specified for tables.

1.23 TABLES WITH S.S. TOPS

- A. Tops of #14 gauge S.S. 1 piece construction with all edges turned down into 2" integral 180° roll with all corners rounded to 2" radius forming a bullnosed corner. Corner welded and polished smooth.
- B. Table tops thoroughly cross braced with 4" x 1" S.S. channel stiffeners #14 gauge welded to underside. All cross braces spaced not over 24" on center.
- C. Table tops adjoining walls or adjacent equipment carried up approximately 6" and returned 1", down 1" at top and ends. Intersections of table top and raised edge coved to 1" radius. Where backsplash is exposed, it shall have finished S.S. back.
- D. It is the responsibility of the K.E.C. to supply and mount all electrical outlets, switches, controls, etc. within table/counter back splashes, aprons, panels, etc. and to provide S.S. cover plates as required. Furthermore, it is the responsibility of the Electrical Contractor, in coordination with the Kitchen Equipment Contractor, to make final interconnections within table/counter interior to junction boxes, outlets, switches, controls, etc. for equipment indicated, if required.

1.24 LEGS AND CROSSRAILS

- A. 1-5/8" O.D. #14 gauge S.S. tubular-type with S.S. bullet shaped feet having minimum vertical adjustment of 1-1/2" without showing threading or adjusting bolts. Feet fully enclosed on bottom. Adjustment of feet by means of a threaded shank attached to foot and screwed into a properly secured threaded member inside of leg. Construction of leg such that it shall fit over shank of foot so no liquid or other material can work their way into legs or foot.
- B. Tops of legs attached to enclosed conical gussets of heavy gauge S.S. Gussets welded to #14 gauge S.S. 4" x 1" channels to underside on which they appear. Crossrails 1-1/2" O.D. #14 gauge S.S. coped and welded to legs approximately 10" A.F.F. or as specified.

1.25 OVERSHELF - TABLE TYPE

- A. #16 gauge polished S.S. with all edges turned down and finished in a 1-1/2" diameter 180° roll - corners bullnosed, welded 1 piece construction.
- B. Shelves supported by 1" O.D. #14 gauge S.S. tubular uprights, tapered at top and flared at bottom, secured to table top with concealed inner tie rods, bolts and nuts. Uprights spaced approximately 42" on center not to interfere with table top proper. When uprights are located in other areas in addition to each end of table then they shall be cantilevered.

1.26 OVERSHELF - WALL TYPE

- A. #16 gauge polished S.S. with back edge turned up 2", remaining ends turned down in 1-1/2" diameter 180° roll with corners bullnosed welded, ground and polished.
- B. Shelves supported by #12 gauge S.S. cantilever brackets. Shelf spaced 1" from walls when in place and secured to same with C.P. toggle bolts. Undersides secured to brackets with concealed welded studs, nuts and washers. Brackets spaced approximately 42" on center.

1.27 UNDERSHELVES

- A. #16 gauge polished S.S. full length and width of table with all edges turned down into 2" wide channel. In way of table legs, shelf notched to fit contour of legs and fitted to same in neat, workmanlike manner to eliminate unsanitary crevices, fully welded, ground and polished.
- B. Undershelves reinforced on underside with welded 4" x 1" longitudinal channels of #14 gauge S.S. where applicable. All signs of welding on shelf surface removed.

1.28 DRAWERS

- A. Of #18 gauge S.S. all interior corners coved to a 1" radius both vertically and horizontally. All welds ground and polished to a uniform finish.
- B. Front of #14 gauge polished S.S. and will extend on both sides of drawer body to conceal slides, corners welded, ground and polished. Space between drawer front and body fully enclosed at bottom, back and both sides by means of a #20 gauge S.S. filler, spot welded to drawer front and body, to provide a fully sealed, vermin-proof enclosure. Drawer front provided with a 5" C.H.G. # P46-1010 S.S. pull handle fastened in place by means of a concealed screws.
- C. Drawer slides of #14 gauge S.S. fitted with 4 case hardened ball bearing rollers. Track attached to drawer is to have upper edge channel shaped to fit contour of roller rim to provide a positive drawer guide and prevent jarring. This drawer track firmly spot-welded to body. Outer track provided with auto stops to lock without the use of tools.
- D. Where specified, drawer provided with removable synthetic carving board. Carving board is to slide into enclosure under drawer made of #14 gauge S.S. and extending across underside of carving board, with both sides turned up and welded to slide assembly. The 2 sides provided with #14 gauge S.S. angles with stops at rear fastened in place 1/8" above top surface of carving board to provide guide and storage compartment when carving board is not in use. Carving board is to measure approximately 21" x 21" x 1" thick.
- E. Tool drawer 20" x 20" x 5" deep, bread drawer 20" x 20" x 10" deep. All drawers to have 4 pin paracentric keyed-alike built-in locks same as sliding and hinged doors. C.P. where exposed.

1.29 POT AND PAN RACKS AND CEILING HANGERS

- A. Unit 24" wide, of length as shown, of 2" x 1/4" S.S. bar throughout. Outer rail to have fully rounded ends of 1 piece all welded construction. Center rail located 12" below outer rail and fastened to same with V-shaped braces of 2" x 1/4" S.S. bar. All joints continuous welds. V-shaped braces spaced not over 60" on center Racks fitted with removable sliding type S.S. pot hooks spaced 9" on center.
- B. Unit hung from iron structure, ceiling or slab by 1" O.D. #14 gauge S.S. tubing. It shall be flattened, rounded with ends fully welded and fastened to rack by 3/8" round head screws with cap nuts and lock-washers. Top of tubular ceiling hanger welded to #12 gauge S.S. disc approximately 4" diameter that in turn anchors to joists above. Ceiling hangers over 60" in length to have diagonal sway braces of 1" O.D. S.S.
- C. Proper anchorages, etc., installed in iron structure, ceiling joists or slab by Kitchen Equipment Contractor prior to final finish of ceiling. Top rail of unit 90" A.F.F.

1.30 EXHAUST HOOD

- A. Exhaust Hood material, construction, etc. to be in conformance with IMC section 507.
- B. Dimensions approximately as shown on contract drawings and mounted at 80" A.F.F. to underside of hood. Final dimensions to be determined in field by Kitchen Equipment Contractor.
- C. Proper anchorages, etc..., installed in ceiling joists, slab, etc..., by Kitchen Equipment Contractor prior to final finish of ceiling.
- D. Body of #18 gauge stainless steel front, back and sides; straight as indicated on contract drawings. All joints to be flush welded. Where field joints occur, provide a pair of transverse frames, butted together and securely fastened following contour of hood structure.
- E. Bottom rim of hood attached to channel of #14 gauge STAINLESS STEEL with mitered welded corners and butted field joints. Cross section inside of channel to measure approximately 2-1/2" horizontally, flanged upward tightly against interior lining of hood.
- F. Above dishwashing machine, kettles and steamers or non-grease producing equipment, hood provided with sloped baffle at back arranged at 45° angle of #18 gauge stainless steel. Baffles to have sliding dampers of #16 gauge stainless steel mounted in #14 gauge stainless steel channel tracks. Each damper to have stainless steel handle fastened with concealed bolts.
- G. Above ranges, ovens, fryers, griddles, etc. or grease producing equipment, hood provided with built-in filters at back extending full length and arranged at an angle of 45° easily removable without use of tools. Filters to be approximately 20" x 20" x 2" thick, of STAINLESS STEEL and expanded metal construction or as further indicated on contract drawings. Filters set into #14 gauge STAINLESS STEEL filter frame, bottom of which is integrally installed with back of hood and grease gutter for easy cleaning. Quantity and size of openings in plenum chamber as indicated in contract documents.
- H. Hood(s) provided with STAINLESS STEEL hanger brackets, welded to top of hood, spaced not more than 36" on center.
- I. Section of hood below ceiling or soffit, enclosed with vertical facing of #18 gauge STAINLESS STEEL. Panels not to exceed 36" in width, easily removable where required, provided with recessed finger grip or similar. Where panels meet at vertical joints flanged inward 1" to form a hairline joint. Channel extended 2" beyond perimeter of hood and provided with concealed full length angle member of 2" x 2" x 3/16" G.I. with clips for bolting to hanger angles, spaced

approximately 36" on center. Hanger angles attached to 2" x 2" x 3/16" angle frame fastened to ceiling slab. Panels held in place at ceiling with 2" x 2" x 1/8" STAINLESS STEEL angle trim all around.

- J. Hood(s) provided with recessed or flush vapor-proof LED light fixtures, approximately 12" X 12" style or 48" strip style, pre-mounted by manufacturer. Light fixture with bulb(s), as provided by specified exhaust hood manufacturer, refer to Part 2 Products. All wiring and interconnections by Electrical Contractor.
- K. All exhaust hood controls, switches, etc... to be mounted @ 48" AFF. This is to be the maximum height allowed.
- L. All wiring and interconnections for controls, switches, fans, solenoid, shunt trips, etc... by Electrical Contractor. This includes any requirements to and from remote panels, switches and control packages.
- M. Must be tested and comply with the most current codes (or per local jurisdiction) UL-710, International Mechanical Code (IMC), and NFPA 96.

1.31 NOT APPLICABLE

1.32 FIRE PROTECTION SYSTEM

- A. The system shall be a pre-engineered cartridge-operated type R-102 system utilizing Liquid Ansulx agent, with a Fixed Nozzle distribution network. It shall be furnished and installed in compliance with UL Standard 1254, UL Standard 300, NFPA 96-2008 and any prevailing statutes or codes including automatic shut-down of all cooking appliances per code section 44 of NFPA 17A-27-2002.
- B. System to provide connection to building Fire Alarm System per NFPA 17A; Section 3-2.1.5.
- C. Fire protection remote pull stations mounted @ 48" AFF, located 10 ft. minimum to 20 ft. maximum from exhaust hood(s).
- D. The extinguishing agent shall be a specifically formulated aqueous solution of organic salts contained in a S.S. tank with 3 gallons minimum capacity, and able to withstand test pressure of 330 PSI. A welded S.S. bracket shall be provided for mounting the tank.
- E. The regulator releases mechanism shall be capable of providing sufficient expellant gas to discharge enough agent to meet the minimum nozzle discharge requirements. The mechanism shall have a visual indicator of "fired" condition. This mechanism shall be capable of being operated by fusible link detection, remote manual release and local manual release. The mechanism should be housed in a S.S. enclosure with cover containing identifications thereon.
- F. Each discharge nozzle to be listed with UL approval for placement and size. Each nozzle shall have a rubber blow-off cap to keep the nozzle tip orifice free of cooking grease build-up. All exposed piping to be chrome plated finish, and there shall be no exposed threads.
- G. Kitchen Equipment Contractor to furnish mechanical (electrical) gas valve, up to 3" in size and coordinate the install/provisions to shut-off all fuel supplies to all cooking appliances beneath Type I exhaust hood upon activation of system. If electrical gas valve is to be utilized, Kitchen Equipment Contractor to furnish reset relay push button.

It is the responsibility of the Plumbing Contractor to install, coordinate and make any provisions necessary for complete operation of gas valve.

It is the responsibility of the Electrical Contractor to furnish and install electrical wiring, relays, etc... and make any provisions necessary for complete operation of gas valve. In addition, Electrical Contractor to furnish and install automatic equipment necessary to shut-off all electric beneath Type I exhaust hood upon activation of system.

- H. Kitchen Equipment Contractor to furnish and install a Class K Fire Extinguisher, dedicated to each room where a Type I exhaust hood is installed.
- I. Upon completion of installation, the installer to perform a wet chemical test or at the time of the test, the authority having jurisdiction may allow the Contractor to use flushing concentrate and water solution. However, whichever is permitted, it must be in compliance with Code. This test shall activate the entire system, except the agent supply tank, which will be substituted by the test tank of like pressure and size. Following a satisfactory test, the original tank shall be replaced. The system shall then be certified to be in working order and all authorities shall be so advised in writing. Provide Owner with copies of all satisfaction/acceptance tests.
- J. The system to be furnished and installed by a factory distributor in accordance with the manufacturer's instructions. This shall include mounting of the system units, manual releases, nozzles, actuating devices, and the running of all pipe and control tubing applicable to the R-102 system. If and when requested, submittal drawings concerning the fire system shall have affixed the seal and signature of a licensed engineer for the State in which they are to be installed. A 1-year service contract and maintenance program to be provided.
- K. Kitchen Equipment Contractor is required to submit a copy of the hood suppression system shop drawing to the Bureau of Facilities Planning for approval, as well as submission to the Architect. In addition, shop drawings when submitted, must be signed and sealed by an engineer licensed to practice in the State where the system is to be installed.

1.33 DISH TABLES - SOILED AND CLEAN

- A. #14 gauge polished S.S. with exposed edges finished in 3" high curbing with a 1-1/2" diameter, 180° rolled trim at top, corners bullnosed, welded. Where adjacent to wall, top carried up 12" integrally at top and ends. All joints in top welded and free of buckles and weld marks. When applicable, where top (also raised back), adjoins dishwashing machine, same flanged down 1" into machine and secured water tight, backsplash in this area brought forward diagonally to machine to form a baffle. Tops thoroughly cross braced with 4" x 1" channel stiffeners of #14 gauge S.S. and welded to underside. Cross bracing approximately 24" on center, running front to back. All corners in top rounded to 1" radius, vertically and horizontally.

1.34 NOT APPLICABLE

1.35 NOT APPLICABLE

1.36 PRE-WASH SINK

- A. Approximately 21" x 21" x 7" deep, of #14 gauge S.S. integrally welded to table top, forming an integral unit with same. Sink bowl identical to that specified for sink built into table top including basket drain assembly with built-in overflow, etc. Sink pitched to a 2" IPS C.P. brass "lever" waste outlet and fitted with a #18 gauge S.S. snug fitting basket approximately 19" x 19" x 6" deep, with continuous perforation and reinforced top edges and 4 sides. Basket of all welded construction mounted on 2" high S.S. feet.
- B. Top of pre-wash sink fitted with S.S. guide for dish racks. Guide of 1-1/2" x 1-1/2" x #12 gauge S.S. angles with ends flared out to facilitate easy movement of racks. Guide welded to cross

angles of same material, thus forming a removable frame. Dish table backsplash (unless otherwise specified and shown) in area where pre-wash sink is located, provided with Fisher Mfg. Co. stainless steel pre-rinse unit model #33308 includes wall bracket, shortened riser pipe to 16", add on faucet with 12" swing spout, nipples, elbows, backflow preventer mounted on pre rinse unit, mixing faucet with S.S. seats and check valve stems to prevent cross flow, EPA Act 2005 certified.

1.37 SCRAP HOPPER

- A. Where shown, soiled dish table fitted with a neoprene hopper, set into die stamped 3/4" high raised opening.

1.38 WALL CABINET

- A. Wall cabinet is to be of length hereinafter specified, 15" front to back and 30" high at front with dust proof top sloped up 6" on 45° angle toward rear. Exterior bottom to be of flush type construction.
- B. Cabinet constructed of #18 gauge polished S.S. with all joints and crevices on cabinet front and sides, welded, ground and polished smooth to a uniform finish. Channel shaped cabinet front is to be fully enclosed inside of cabinet to eliminate openings between shelf and cabinet front. Interior to be provided with fixed in place bottom shelf and 2 removable adjustable intermediate shelves of #16 gauge S.S. shelves will have 1" wide channel edges on all sides with corners welded ground and polished and provided with clips to engage S.S. keyhold strips secured to interior of cabinet.
- C. Cabinet doors previously described in specifications. Door is to be fastened to cabinet by means of fully concealed heavy duty hinges. Each door must be fitted with keyed-alike type locking device.

1.39 SERVING COUNTER

- A. Of size and shape as shown. Top of #14 gauge polished S.S. rolled down in a 2" diameter 180° roll on all exposed edges with corners bullnosed, welded. Top secured to counter base by means of concealed S.S. studs, nuts and washers. Angle frame under top sheathed with sound deadening material.
- B. Base constructed with interior framing of 1-1/2" x 1 1/2" x 1/8" galvanized steel angle with all joints welded.
- C. Angle framework concealed on the interior with #18 gauge polished S.S. sheathing. Exterior facing of base cabinet and ends to have sheathing of Plastic Laminate paneling laminated to 3/4" thick solid core, exterior grade marine plywood, panel length not to exceed 36". Color and style of paneling selected by Architect. Each panel of length as indicated, full height of counter and splined hairline joints. Panels and trim secured to interior framing by means of concealed welded studs, nuts and washers. Or constructed of alternate materials as detailed on drawings.
- D. Interior of all available space provided with bottom and intermediate shelf of #16 gauge S.S. turned up approximately 2" at rear and ends, and down 1-1/2", and in 1/2" channel shape at front.
- E. Mounted on masonry base, height as indicated on drawings or 6" high 14 gauge S.S. legs with S.S. removable toe base, where indicated. All openings in top flanged downward approximately 1" around their entire perimeter. Top cut out for and provided with equipment as hereafter specified.

- F. It is the responsibility of the K.E.C. to supply and mount all electrical outlets, switches, controls, etc. within table/counter back splashes, aprons, panels, etc. and to provide S.S. cover plates as required. Furthermore, it is the responsibility of the Electrical Contractor, in coordination with the Kitchen Equipment Contractor, to make final interconnections within serving counter interior to junction boxes, outlets, switches, controls, etc. for equipment indicated, if required.

1.40 NOT APPLICABLE

1.41 HOT FOOD SECTION

- A. Top #14 gauge polished S.S. integral and continuous with counter and top, provided with 12" x 20" openings as shown.
- B. Each opening to have #14 gauge S.S. well measuring approximately 6-1/2" deep. Where top is flanged down into well, fitted with a breaker strip on 4 sides of opening. When and where food wells are used with drains, all drains are to be interpipied with 1-1/2" C.P. or S.S. piping by Kitchen Equipment Contractor, and extended to common point near floor drain for Plumbing Contractor to make indirect waste connections. Kitchen Equipment Contractor to furnish and install C.P. or S.S. shut-off valve extending for easy access.
- C. Each well heated as hereinafter specified, dry-moist type electric heater with individual thermostatic control and pilot light. Thermostat dials and pilot lights attached on attendant's side recessed into a panel installed inside of plate shelf areas or apron mounted as shown. All electric food wells connected to a common heavy toggle switch. Wiring concealed.
- D. Food wells to have bottom of housing fitted with sectional removable #16 gauge G.I. bottoms for access to wiring and elements. Counter base under hot food section to be lined with #18 gauge S.S.
- E. Each hot food section provided with the following #20 gauge Polar Ware Classic Anti-Jam inserts and covers: two S12104 pans with two 1/2 size lift-off covers and provide one dome-type 12" x 20" lift-off cover for each opening; two S12106 pans, three S12066 pans, four S20124 pans; four S12102 pans, four S20122 pans.

1.42 COLD PAN

- A. Of size and shape shown, approximately 20" wide, of length as shown on plan, 6" deep in the clear, unless otherwise indicated, constructed in accordance with NSF #7, integrally constructed into counter and top. To have sectional #18 gauge S.S. perforated false bottom in sections not over 18" wide, 1/2" channel edge on 4 sides. Interior lining to have all corners rounded to 1" radius vertically and horizontally, of #14 gauge S.S. all joints and crevices welded. Where cold pan is used as a salad bar, same to be 8" deep in the clear unless otherwise indicated.
- B. Insulation in all 4 sides and bottom of unit 2" thick polyurethane or equal. Refrigeration coils copper 1/2" O.D. and 3" on center, sweated to underside and embedded in insulation. Provide a copper tubular refrigeration coil, further sealed with hydrolene. Coils connected to compressor hereinafter specified, and shall have liquid line with solenoid valve and thermostat for control, provide a shut-off valve in liquid line ready and accessible to disengage same when required.
- C. Exterior sheathing of #18 gauge S.S. bottom pitched and fitted with a 1-1/2" drain outlet with threaded connection plumbing. Plumbing Contractor to extend drain line so as to flow into adjacent floor drain. Joint between top of cold pan and turned down edge of counter top provided with breaker strip around full perimeter of opening.

- D. Where shown, space under counter provided for installation of compressor. This section fitted with removable #18 gauge S.S. grill on attendant's side. Shall have not less than 75% rectangular perforation. Counter front panel and/or sides where possible in way of compressor housing louvered. Interior of housing reinforced with horizontal and vertical framework of 1 1/2" x 1-1/2" x 1/8" angle having all joints welded. Lower frame provided with #14 gauge channel stiffeners welded in place and fitted with rubber cushions. Channel spaced to properly support condensing unit. Housing approximately 24" left to right to properly admit compressors.
 - E. Refrigeration coils connected to condensing unit, size as indicated on plan, air cooled, furnished complete with all necessary copper tubing, thermostatic control valves dehydrators, expansion valves, sight glass, etc., to make a complete working unit with warranty and free service, guarantee for 1 year. Compressor connected to coils of cold pan in a satisfactory and operating manner. Compressor, etc., internally wired. Provide push button switch with pilot lite recessed in adjacent section in apron above housing to turn on/off cold pan as required.
- 1.43 NOT APPLICABLE
- 1.44 TRAY SLIDE
- A. Of size and shape, as hereinafter specified and/or shown on contract drawings. Installed where shown, 12" wide, #14 gauge S.S. construction or in strict accordance to that as detailed on drawings.
 - B. In general, unit mounted on #12 gauge S.S. ornamental type brackets secured to front trim of counter in a concealed manner with welded concealed studs. Back edge of turned up section made to fit tight with turned down front section of counter top and definitely free of voids, cracks and unsanitary joints.
- 1.45 NOT APPLICABLE
- 1.46 NOT APPLICABLE
- 1.47 COUNTER AND CABINETS WITH SEMI-ENCLOSED BASE
- A. Top of #14 gauge polished S.S. finished 1/2" above working level with 2" diameter 180° roll, bullnosed corners on all exposed sides. Where adjacent to wall, top carried up approximately 6" (or as specified hereinafter and shown) and returned 1" at top and ends towards wall with corners welded forming a continuous unit. Top fastened to cabinet by means of welded and concealed studs.
 - B. Cabinet below top to have #18 gauge S.S. enclosure. Front stiles of cabinet channel shaped. This channel fully enclosed inside of cabinet. Top reinforced by means of horizontal framework of S.S. 1-1/2" x 1-1/2" x 1/8" angle with cross braces not more than 18" on center. Framework of all welded construction and intermediate shelves in cabinet of #16 gauge S.S. turned up on all sides to eliminate crevices at shelf surface. Front edge of shelf channel shaped. Shelf surface reinforced by means of #16 gauge S.S. channel stiffeners spaced on not more than 24" on center. Mounted on 6" S.S. adjustable legs, or as hereinbefore shown and specified.
- 1.48 NOT APPLICABLE
- 1.49 DOORS
- A. Whether sliding or hinged type, not less than 1/2" thick overall, double paneled having 3/8" sound-deadening material between #16 gauge S.S. front and #18 gauge S.S. back, reinforced

between panels by wide channels, running height of door and made of same material. Panels jointed with continuous welding. Doors and vent openings to have back panel boxed around vent opening and welded to front panel. Doors dust proof and entire front face without seams or joints.

- B. Sliding doors mounted on ball bearing type rollers, sliding in dust proof #14 gauge S.S. tracks overhead, fastened so as to eliminate vibration and jarring when doors are rolled. Doors fitted with limit stops. Bottom guide of #14 gauge S.S. for doors, open and flat, lining up with lower shelf of cabinet - slots so arranged that crumbs or dirt accumulating in the cabinet will drop to the floor when cabinet is cleaned. Recessed handles solid material, not stamped, of S.S. welded to front panel. Finger grips of ample depth to comfortably pull the door. Doors provided with keyed-alike S.S. faced cylinder locks, built-in flush.
- C. Hinged type doors flush fitting, unless otherwise specified, resting tightly against rabbetted frame. Hinged doors provided with Klein Model #Y-48 (or approved equal) keyed-alike S.S. faced cylinder locks with Model #12230-SM (or approved equal) handles. In case of pair of doors, each individually controlled as outlined and is to close against rubber bumpers.
- D. Outer edges smooth, free from burrs, projections and fins. Excess welded metal removed by precision grinding and polishing.

1.50 REFRIGERATORS AND REFRIGERATION UNITS

- A. Reach-in refrigerators, freezers, and refrigerated units, as shown unless otherwise specified, furnished by Kitchen Equipment Contractor. They shall meet all requirements as set forth for individual item number and complete with self-contained or remote compressors and motors. Cooling coils blower type, unless otherwise called for, provided with initial charge of approved CFC free refrigerant. Plumbing Contractor responsible for extending refrigerator drain line, where required, to spill into adjacent floor drain in approved manner. Extended drain line not less than 3/4" I.D. and C.P. or S.S. tubing.
- B. All refrigerated equipment, refrigerators and freezers, whether walk-in or reach-in, started and adjusted to maintain required temperatures, charged with approved refrigerant as required.
- C. All reach-in refrigerators, freezers, hot food warmers, etc., to have keyed-alike locks. Kitchen Equipment Contractor must request this at time of placing order to avoid correction at a later date at Kitchen Equipment Contractor's expense.
- D. Kitchen Equipment Contractor to provide 1 year's free service for all types of refrigerators and refrigeration equipment. Free service on all compressors, unit coolers, controls, etc., to include adjustments and repairs, irrespective of cause, whether mechanical, operational or manufacturing at no additional cost to Owner. Five (5) year warranty provided on all compressors.

1.51 WALK-IN COOLER AND FREEZER

- A. General Description: To be N.S.F. approved units, of size and manufacturer as indicated on contract drawings, 8'-6" high, unless otherwise specified, completely furnished and assembled unit installed in an approved manner. As indicated on drawing, either installed into a 6-1/2" depressed floor area with flush type door sill and floor finish as shown on contract drawings, or installed directly on floor with interior ramp, and pre-fabricated aluminum floor with heavy duty structural underlayment floor, approximately 5,000 pounds per square feet of load. Where pre-fabricated floor with interior ramp indicated, unit to be finished with "First Choice" vinyl safety flooring provided and installed by Kitchen Equipment Contractor. Where depressed floor indicated, doors, floors, etc. to accommodate concrete-tile finished floors, provided and installed

by G.C. after all boxes have been set in place. Walk-in freezers to maintain 0° to "minus" 10° Fahrenheit temperature. Walk-In refrigerators to maintain 35° to 36° Fahrenheit temperature.

- B. Finishes: Unexposed exterior of each unit to be .040 stucco aluminum finishes. All exposed exterior surfaces to be #20 gauge stucco S.S. finish. Interior, except floor, to be .040 stucco white aluminum finish. Floor as noted hereinbefore in spec section 1.51 A.
- C. Insulation:
1. Insulation shall be 4" thick rigid urethane foam, foamed-in-place to bond to inner surfaces of metal pans. Urethane foam to have a thermal conductivity (K factor) of not more than 0.118 BTU/hr./sq. ft. per degrees Fahrenheit/inch, and an overall coefficient of heat transfer (U factor) of not more than .029. The "R" factor shall be 34.
 2. (Optional) Prefabricated urethane foam panels shall be supplied with a Class 1 fire hazard classification according to ASTM-E-84 as tested by Factory Mutual System. Panels shall have a flame spread rating of 25 or less and a smoke density of no greater than 450°. Every panel shall bear a certifying Factory Mutual label.
 3. * These ratings are not intended to reflect hazards presented by this or any other material under actual fire conditions.
- D. Doors: Each walk-in shall be equipped with one standard 34"/36" x 78" hinged-type, flush mounted entrance door bearing the UL seal of approval, or of size as indicated on drawing. Each door section consists of a heavy reinforced steel "U" channel frame, foamed-in-place to give extra support and rigidity to the frame and to prevent racking, distortion, warping and twisting. Doors to be #20 gauge S.S. interior and exterior. Door and door panel sections to have 1/8" diamond tread kick plates, 36" high on interior and exterior. Walk-in entrance doors shall be equipped with a one-piece perimeter NSF approved PVC accordion type removable gasket. A magnetic core at top and side shall provide positive seal. An adjustable wiper gasket shall be mounted along the bottom edge of door. Door frames shall be provided with an LED light fixture, pilot light and switch assembly, and concealed wiring. Provide #12 gauge reinforced S.S. threshold and heater wire around the full perimeter (freezer door only). All doors hinged as shown, each with heated 14" x 24" "vision" panel.
- E. Standard Hardware: Shall be break-a-way type with cylinder lock and inside safety release handle so door can be opened from the inside even if locked. All latches designed for locking with keyed-alike locks. A positive action hydraulic door closer shall be included to insure gentle closing action of door and insure a positive seal. Hinges shall be cam-lift, self-closing, spring assist with door lift-off capability. Hinges shall be high-pressure zinc die cast with highly polished chrome finish, three per door.
- F. Filler Panels: The "exposed" open area of unit at left, right and top at front and sides neatly trimmed with #20 gauge stucco S.S. filler panels to close space between wall and ceiling. Filler panels between top of walk-in box and finished ceiling not to exceed 12" in height. Filler panels equal to exterior of unit. Top panels to be equipped with louvered sections not less than 40% of total square footage of panel (when compressor units are top-mounted).
- G. Wall Protection: Two rows of #16 gauge S.S. hat shaped rub rails with concealed fasteners; to be provided and installed at all exposed exterior walls. Top of rub rail to align with top of diamond tread kick plate on door and bottom rub rail to be 10" A.F.F. When corners are exposed, provide 6" x 6" x 60" #12 gauge S.S. corner guard.
- H. Lights: Walk-In boxes to be provided with 48" LED light fixtures, Kason model #1810, quantity as shown on plan. The walk-in refrigerator and freezer to have LED type vapor-proof light, Kason model #1806, with concealed wiring, etc., and toggle switch with pilot light mounted on exterior. Kitchen Equipment Contractor to provide bulbs. It is the responsibility of the Kitchen Equipment

Contractor to install light fixtures, provide penetrations in ceiling panels, and seal the penetrations after Electrical Contractor has completed wiring.

- I. Sealants: Kitchen Equipment Contractor shall seal all lines, conduits, tubing, wiring, etc., passing through walls and ceiling of walk-in units with high grade caulking compound, then install S.S. escutcheons where required.
- J. Alarm System: Each compartment shall be protected by Modularm 75LC system with recessed in panel controls. System provided with wireless communicator, mounted at walk-in units, for connection to building network. System shall provide digital readout of ambient compartment temperature(s). The system shall be located in an area as indicated on the contract documents. It shall require 120/60/1 electrical connection through suitable 1/2" conduit. CAT5 cable connection for activation of remote notification equipment will be provided as part of the alarm system. CAT5 cabling provided and installed by General Contractor. Furnish and install identification labels for operating temperatures as required.
- K. Ceiling Support: When split ceilings are required due to ceiling panel span, these ceilings are to be supported by a self-support ceiling structure. The walk-in manufacturer is to provide the ceiling hanger brackets, the steel channels and the bearing steel channels. A detail must be provided on the manufacturer's submittal drawing. Note: When longer spans are required that exceed self-support capability then suspended ceilings are to be provided with manufacturer's detail.
- L. Flat Membrane Weather-Proof Roof: Shall be supplied for field installation on top of each walk-in that is located outdoors. Membranes to be fabricated from low-shrink polyester fabric coated with a permanent thermoplastic alloy and have a minimum thickness of 35 mil. Membrane shall be fire retardant, resistant to ultra-violet rays and micro-organisms. Membrane to be white in color to reflect maximum heat load from the sun. Fasteners and trim shall be provided to secure the membrane to the ceiling panels and in cases where walk-in is installed against a building; the membrane roof material will be flashed up the building walls by the equipment installation contractor. The manufacturer's detail must be provided on the submittal drawing.
- M. Compressors and Evaporators: Cooler unit, model as indicated on drawings; room air drawn through coil and discharged parallel to ceiling. The coil casing is to be aluminum with a removable drain pan. Drain line from evaporator coil to floor drain as indicated on contract drawings, attached to interior of box with clamps and installed in good, approved, workmanlike manner by Plumbing Contractor. Compressor of the hermetic and/or scroll type, with suction gas cooled motor, designed for operation with approved refrigerant. Unit complete with liquid line drier, shut-off valves, vibration isolators, heat exchanger, dual pressure control and water regulating valve (for water-cooled systems), electrical panel with circuit breaker and magnetic starter. All components and accessories in control box that pertains to the compressor unit only should be factory wired and piped.

For outdoor systems a weather-proof housing, thermostatically controlled crank case heater and low ambient controls for -20F conditions shall be provided.

Note: Electrical Contractor to provide and install fused disconnect switch where required, as well as conduit and wiring from same to terminals in compressor unit control panel. Also, interconnect conduit and wiring from compressor unit control panel to unit cooler junction box inside walk-in units.

Freezer Unit, model as indicated on drawing, to be electric defrost. The coil casing is to be aluminum with a removable drain pan. Electric heating elements and drain pan heaters. Unit shall include control kit for time initiated temperature terminated defrost plus automatic fan delay. Heat interchanger included. Drain line from evaporator coil to floor drain as indicated on

contract drawings, attached to interior of box with clamps and painted to match interior finish; and installed in good, approved, workmanlike manner by Plumbing Contractor. Kitchen Equipment Contractor to install adequate amount of wrap-around, electric heater tape to assure defrosting of drain line, cable lapped not over 1" spacing. Provide Raychem Winter Guard Plus electrical heat tracing model H611050 (type 3), self regulating in temperature, run in parallel, to be designed with a maximum temperature that cannot be surpassed, certified by the manufacturer's representative that the heat trace has been installed and tested in accordance to the manufacturer's specifications. Heater tape connected to electric by Electrical Contractor. After installation and before and after installing the thermal insulation, subject heat to testing using a 2500 VDC megger. Minimum insulation resistance should be 20 megohms regardless of length. The installer shall test for both heating cable bus wires to verify the connection of any splices or tees.

Equipment shall have BTU/hr capacity as indicated on drawing and maintain room temperature of 35° to 36° Fahrenheit, where refrigerator is specified, and 0° to "minus" 10° Fahrenheit, where freezer is specified.

Refrigerant piping to be hard seamless copper tubing, by KEC. Refrigerant lines installed and covered with not less than 1" thick flexible foam plastic insulation applied in accordance with the manufacturer's recommendations. Refrigeration lines to run from compressor location where shown, above the walk-in units. All lines to be tested free from leaks prior to finish of insulated lines. Condensates drain lines outside of walk-in boxes, similarly insulated with 1/2" insulation, by KEC. Each system shall have suction line filters and vibration eliminators field installed.

Thermostatic expansion valves properly sized to handle evaporator loads. Liquid lines shall have moisture indicating sight glass, drier, and shut-off valve field installed.

The temperature in each walk-in box controlled by means of a thermostat wired to actuate a solenoid valve in the liquid lines with the compressor operation controlled by the low pressure cut-out switch. Thermostats and low pressure controls adjusted to maintain room temperatures specified. Each system cleaned and dehydrated by maintaining a vacuum of 500 microns or lower for a minimum period of 5 hours. The vacuum pump used capable of developing a vacuum of 50 microns with its valve in a closed position. The required operating charge of refrigerant and oil shall then be added and each system tested for performance. All refrigerant lines sized for 1 lb. maximum pressure drop.

It is the purpose of the specification to provide a satisfactory refrigeration cycle, therefore, Kitchen Equipment Contractor must include the competent labor and qualified material to provide the owner with an efficient system.

- N. Mounting Methods: Compressors, when mounted on building roof, to be provided with adequate dunnage/ curbing by Kitchen Equipment Contractor. Dunnage/ curbing installed by G.C. or roofing contractor. Architect to specify dunnage/ curbing details.

Compressors, when mounted on ceiling of walk-in, to be provided with adequate air circulation, service, access, and vibration isolation.

1.52 MILLWORK EQUIPMENT

- A. General Description: Woodwork to be minimum 3/4" marine grade plywood throughout. Woodwork counters shall be constructed to support the full weight of operating appliances without any deflection of the counter top. Where cut-outs are required in counter tops, appropriate framing needs to be provided around the cut-out to fully support the top in level position.

All miter joints shall be tight with no gaps or open spaces. Filling of miter joints with crack filler prior to finishing is not acceptable. Loose joints shall be hairline, flat, in single plane, with no exposed screws, nails or other fasteners. All dimensions, reveals and joints shall be held exact.

All fixtures shall be assembled in single and complete units as the dimensions will permit shipment to and installation at the building. Large pieces requiring sections construction shall have their parts accurately fitted and aligned with each other, and provided with ample screws, glue and bolt blocks, tongues, grooves and splines, dowels, mortises and tenons, screws, bolts or suitable means of concealed fastening, as required to render the work of substantial, rigid and permanently secured in proper position.

Sufficient additional material shall be allowed to permit accurate scribing to walls, floors and related work, and due allowance made wherever possible for such shrinkage as may develop after installation. Single and sectional units shall be provided with adequate cleating, blocking, crating and other forms of protection as required to prevent damage, soiling and deterioration during transit, delivery, storage and handling.

Framing and blocking members shall be assembled with bolted and screwed connection and should be secured to the structural backing with cinch, expansion screws or toggle bolts, as required; spaced and installed to ensure ample strength and rigidity. Rails and stiles shall be mortised and tenoned, work neatly mitered and membered, all butt joints made flush and smooth, and all permanent joints made up with water resistant glue. All fixtures shall be assembled without face screws or nails, except where it may be necessary to attach trim items. All face screws or nails that are necessary shall be countersunk and plastic wood or wood plugs used to cover head and the plug neatly touched up. The heads of all screws used in any assembly shall be countersunk below the surface.

- B. Joints: Mortise and tenon, spline, dowel and/or pin block and glue work to avoid use of nails wherever practical. Make butt joints with an approved device of prevention of separation of members. Blind nail and conceal.
- C. Plastic Laminate (HDPL): Plastic laminate shall be bonded to all exposed surfaces with contact cement fast bond #30, as manufactured by 3-M Products Company, or equal, to minimum $\frac{3}{4}$ " fir faced plywood applied under high pressure. Reject plastic laminate or plastic backing shall be used to prevent warping, unless otherwise specified. All edges shall be carefully sanded to smooth finish, removing burns, nicks and cut marks.
 - 1. Plastic laminate joints shall be finished without wavy and unsightly joints. Joints need not be mitered except if specified. Hand sand edges to a slight chamfer.
- D. Doors, Hinged: Hinged doors shall be fabricated of $\frac{3}{4}$ " thick plywood with plywood full perimeter edging with plastic laminate on face and self-edging on exposed sides. Door hinges, pulls and catches shall be supplied and installed as detailed. All doors to have minimum of 3 concealed, heavy duty, European hinges per section.
 - 1. Provide S.S. channel trim on the perimeter of the door to guard plastic laminate from chipping.
- E. Doors, Sliding: Sliding doors shall be fabricated of solid core plywood with hardwood edges and constructed similar to hinged doors. Doors shall be mounted on E-Z Glides track. Doors shall be removable without the use of tools. Rubber stops shall be provided concealed in end stile or mullion.
- F. Doors, Tambour Sliding: Tambour sliding doors shall be fabricated of individual hardwood slats, $\frac{3}{8}$ " by $\frac{3}{4}$ " round on 2 edges and glued to 20 ounce duck canvas or reject elastic vinyl plastic

or equal and shall be provided with hardwood end stile with integral door pull. Track shall be lined with laminated plastic or equally smooth surface and guides at top and bottom shall be fabricated hardwood. Provide lock-pin for sliding doors.

G. Access Panels/Louver Panels:

1. Access Panels: Shall be fabricated of 3/4" thick marine grade plywood and shall be fabricated to be removable for access. Each access panel shall be provided with 2 magnetic catches at top and 2 3/16" positioning pins at bottom (unless otherwise specified or detailed on drawings).
2. Louvered Panels: Are required in woodwork at all locations where proper ventilation is necessary for the efficient performance and operation (exhaust and/or supply) of the food service equipment compressor.

Types (when specified):

- a. Louvered panel spaced to conceal equipment yet provide adequate ventilation.
 - b. Kitchen Equipment Contractor to coordinate size, quantity and location of louvered opening for sufficient ventilation of food service equipment. Refer to drawing details for cut-outs and spacing.
3. Unless otherwise directed, panels shall be powder coated to match laminate selection.

H. Louvered Doors: Must have concealed hardware to resemble access panels. Doors to have nylon roller friction type heavy duty catch and heavy duty concealed S.S. adjustable hinge.

1. Plastic laminate fronts: provide kiln dried pine shutter type slats. Wood to be free of knots with smooth grain, epoxy painted to match laminate selection. No raw wood surfaces will be acceptable. Paint or laminate as needed between slats.
2. Slats to be fixed, positioned to conceal equipment from sight.
3. Provide black color screening/mesh on rear of door with protective edges to prevent tearing.

I. Drawers: Drawers shall have dovetail construction, well glued and blocked. Fronts shall be not less than 3/4" thick marine grade plywood. Sides and back shall be 1/2 " thick fabricated of Birch, Maple or Sycamore except where extension slides are used, in which case the side shall be 5/8" thick. Bottom shall be milled into fronts and sides. Drawers shall be provided with suitable stops. Provide pulls as detailed or specified.

1. The inside surfaces of all drawers shall receive one coat of Penetrating Primer and one coat of glass lacquer.

J. Painted Finishes: Painted finishes shall have exposed surfaces free from defects and blemishes that would show after being finished, regardless of grade specific. All surfaces specified to receive paint or enamel finish shall receive one crosscoat of lacquer type undercoat. The undercoat shall be of appreciable different color than that of the finish coat, and of proper ground color with relation to the finish coat. After the undercoat has been thoroughly dried, surfaces shall be sanded smooth and two coats of enamel shall be applied. Back painting shall be provided for all cabinet and woodwork prior to installation.

K. Interior and Wall Shelves: Cabinet interiors and wall shelves shall be laminated as specified under Section C, Plastic Laminate.

L. Granite Tops:

1. Color and finish shall be selected by the Architect, and physical properties shall confirm to manufacturer's standard specifications for foodservice application. The material shall be homogenous; and not of a composite construction.
2. Granite shall be ¾" thick with 1-1/4" face for counter tops unless otherwise specified.
3. General installed to conform to manufacturers standard details in order to maintain product warranty, i.e. cut outs for drop-in equipment.

M. Solid Surface:

1. Of size and shape as shown. Top of minimum 1/2" thick Solid Surface, silicone mounted to 3/4" thick exterior grade plywood with ten year installation warranty. Solid Surface/S.S. fabrication, fabricated to comply with Solid Surface commercial specifications. Color of Solid Surface as selected by Architect. Top secured to counter base by means of concealed S.S. studs, nuts and washers. Angle frame under top sheathed with sound deadening material.

PART 2 – PRODUCTS

BAKERY LAB

ITEM #B1 FREEZER, REACH-IN – QTY. AS PER PLAN & SCHEDULE

Norlake Model NF522SSS/0X. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Expansion valve
- 4 ea. Half doors with locks
- 3 ea. Stainless steel shelves per compartment, top section
- 1 ea. Digital temperature control system
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Adjustable universal pan slides 1-1/2" O.C. to hold 18" x 26" or 12" x 20" pans, bottom section
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by True Food Service, Beverage Air or Approved Equal.

ITEM #B2 FREEZER, REACH-IN – QTY. AS PER PLAN & SCHEDULE

Norlake Model NF241SSS/0. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Expansion valve
- 2 ea. Half doors with locks
- 3 ea. Stainless steel shelves per compartment, top section
- 1 ea. Digital temperature control system
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty

- Adjustable universal pan slides 1-1/2" O.C. to hold 18" x 26" or 12" x 20" pans, bottom section
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by True Food Service, Beverage Air or Approved Equal.

ITEM #B3 DOUGH DIVIDER / ROUNDER, FLOOR – QTY. AS PER PLAN & SCHEDULE

Doyon Model DSF022. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 3 ea. Sanitary Dough Plate, FMF550

Or as manufactured by Empire Bakery, Gemini or Approved Equal.

ITEM #B4 WORK TABLE, MARBLE TOP – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Counter Top Material: Marble Slab, 3/4" thick
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B5 STORAGE SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Eagle Group/Metal Masters Model WAL-STOR. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting Height: 50" above finished floor
- 2 ea. Wall grid/mat, WM1836-E
- 1 ea. Wall uprights, vertical, PR45VU-E
- 2 ea. Shelf, 1436-E
- 3 ea. Shelf Brackets, PR14B-E
- 1 ea. Grid Shelf, 1436WGS-E
- 3 ea. Baskets, WB-E
- 12 ea. Utility Hooks, UH-E
- 1 ea. Epoxy coated finish, entire wall system
- Wall backing by General Contractor

Or as manufactured by Metro, Focus or Approved Equal.

ITEM #B6 SHEETER AND MOULDER – QTY. AS PER PLAN & SCHEDULE

Doyon Model LMA620. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Floor model, reversible
- 1 ea. Foot pedal switch
- 1 ea. Adjustable roller gap
- 1 ea. Stainless steel rollers

Or as manufactured by Empire Bakery, Gemini or Approved Equal.

ITEM #B7 SPARE NUMBER

ITEM #B8 BIN, INGREDIENT – QTY. AS PER PLAN & SCHEDULE

Cambro Model IBS20148. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. CamWear scoop, 24 oz.

Or as manufactured by Rubbermaid or Approved Equal.

ITEM #B9 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- Stainless steel tubular crossrails, side / rear

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B10 STORAGE SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Eagle Group/Metal Masters Model WAL-STOR. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting Height: 50" above finished floor
- 2 ea. Wall grid/mat, WM1860-E
- 1 ea. Wall uprights, vertical, PR45VU-E
- 2 ea. Shelf, 1448-E
- 3 ea. Shelf Brackets, PR14B-E
- 1 ea. Grid Shelf, 1436WGS-E

- 3 ea. Baskets, WB-E
- 12 ea. Utility Hooks, UH-E
- 1 ea. Epoxy coated finish, entire wall system
- Wall backing by General Contractor

Or as manufactured by Metro, Focus or Approved Equal.

ITEM #B11 MIXER, SPIRAL – QTY. AS PER PLAN & SCHEDULE

Doyon Model AEF050. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/3, NEMA 15-30P
- Dough Capacity: 175 lbs.
- 1 ea. Programmable digital control
- 1 ea. Jog / reverse mode
- 1 ea. Paddle
- 1 ea. Bowl scraper
- 1 ea. Mixing tools

Or as manufactured by Empire Bakery, Gemini or Approved Equal.

ITEM #B12 RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model AUR-12. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- No additional features, options or accessories required

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #B13 UNDERCOUNTER RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model UR-5. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounted on 2-1/2" casters, to fit under 34" counter height

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #B14 SPARE NUMBER

ITEM #B15 WORK TABLE, HARD ROCK MAPLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Hard Rock Maple, 1-1/4" thick
- 1 ea. Work drawer assembly, Item #B16
- Stainless steel tubular crossrails, side / rear
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B16 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #B15, Work Table
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B17 SPARE NUMBER

ITEM #B18 SPARE NUMBER

ITEM #B19 SPARE NUMBER

ITEM #B20 UNDERCOUNTER RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model UR-5. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounted on 2-1/2" casters, to fit under 34" counter height

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #B21 SPARE NUMBER

ITEM #B22 WORK TABLE, HARD ROCK MAPLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Hard Rock Maple, 1-1/4" thick
- 1 ea. Work drawer assembly, Item #B23
- Stainless steel tubular crossrails, side / rear
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B23 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #B22, Work Table
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B24 MIXER, COUNTER – QTY. AS PER PLAN & SCHEDULE

Kitchenaid Model KSMC895DP. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 8 Qt. bowl, stainless steel
- 1 ea. Bowl guard
- 1 ea. Flat beater
- 1 ea. Wire whip
- 1 ea. Dough hook

Or as manufactured by Globe, Hobart or Approved Equal.

ITEM #B25 UNDERCOUNTER RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model UR-5. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounted on 2-1/2" casters, to fit under 34" counter height

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #B26 WORK TABLE, HARD ROCK MAPLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Hard Rock Maple, 1-1/4" thick
- 1 ea. Work drawer assembly, Item #B27
- Stainless steel tubular crossrails, side / rear
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B27 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #B26, Work Table
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B28 SPARE NUMBER

ITEM #B29 SPARE NUMBER

ITEM #B30 SPARE NUMBER

ITEM #B31 SPARE NUMBER

ITEM #B32 UNDERCOUNTER RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model UR-5. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounted on 2-1/2" casters, to fit under 34" counter height

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #B33 WORK TABLE, HARD ROCK MAPLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Hard Rock Maple, 1-1/4" thick
- 1 ea. Work drawer assembly, Item #B34
- Stainless steel tubular crossrails, side / rear
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B34 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #B33, Work Table
- Cabinet/Drawer to be flush frame design

- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B35 FIRE PROTECTION SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Ansul Model UL-300 (R-102). Unit to be installed where shown on drawing in strict accordance to that described in General Specifications. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Provide connection to building Fire Alarm System
- 1 ea. Mechanical Gas valve, up to 3", size to be verified
 - Provide add/ alternate for electric gas valve
- 1 ea. Reset Relay Push Button
 - Only required with use of electric gas valve
- For the protection of equipment beneath Exhaust Hood, Item #B93

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B36 MIXER, COUNTER – QTY. AS PER PLAN & SCHEDULE

Kitchenaid Model KSMC895DP. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 20 Qt. bowl, stainless steel
- 1 ea. Bowl truck
- 1 ea. Bowl scraper
- 1 ea. Ingredient chute
- 1 ea. B Flat beater
- 1 ea. D Whip
- 1 ea. ED Dough arm

Or as manufactured by Globe, Hobart or Approved Equal.

ITEM #B37 ADA HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model ADA-WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- ADA Compliant
- 1 ea. Soap dispenser
- 1 ea. Towel dispenser
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- 1 ea. Emergency Eye Wash Unit

- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #B38 BIN, ICE – QTY. AS PER PLAN & SCHEDULE

Scotsman Model B322S. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Ice scoop holder, stainless steel
- 1 ea. Ice shovel/scoop, stainless steel

Or as manufactured by Ice-O-Matic, Manitowoc or Approved Equal.

ITEM #B39 ICE MAKER – QTY. AS PER PLAN & SCHEDULE

Scotsman Model C0322MA-32D. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- 1 ea. Ice level control, KVS
- 1 ea. Smartboard, KSBU
- Mounted on top of Item #B38
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Ice-O-Matic, Manitowoc or Approved Equal.

ITEM #B40 PROOFER / RETARDER, SELF-CONTAINED – QTY. AS PER PLAN & SCHEDULE

Baxter Mfg. Model RPW1S-40.5D-FL. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, Hardwired
- Electrical: 120/1, Hardwired
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Automatic humidity
- 1 ea. Programmable digital controls
- 2 ea. Roll-in rack units
- Cold water connection piped from Water Hardness Filter, Item #B42

Or as manufactured by Gemini, Revent or Approved Equal.

ITEM #B41 OVEN, REVOLVING TRAY – QTY. AS PER PLAN & SCHEDULE

Baxter Mfg. Model OV500G1-EE. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/3, Hardwired
- Electrical: 120/1, Hardwired
- Gas: 1" Rear Connection, 180 MBtuh
- 1 ea. Self-contained steam system
- 1 ea. Programmable digital controls
- 1 ea. Stainless steel full exterior

- 1 ea. Oven body shipped split, ASYFLD
- 1 ea. Hood with plenum, Type II
- 1 ea. Single point vent connection
- Cold water connection piped from Water Hardness Filter, Item #B42

Or as manufactured by Gemini, Revent or Approved Equal.

ITEM #B42 HARDNESS FILTER, WATER – QTY. AS PER PLAN & SCHEDULE

A.J. Antunes/Roundup Model HRS-200 with Water Meter. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Water Meter Kit, 7000976
- 3 ea. Replacement cartridges, 7000967
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Everpure, Pentair or Approved Equal.

ITEM #B43 IN-LINE EXHAUST FAN / DUCTWORK – QTY. AS PER PLAN & SCHEDULE

By Mechanical Contractor.

ITEM #B44 REFRIGERATED BASE, 2-DOOR – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Directional exhaust fan, compressor housing
- 1 ea. Digital temperature control system
- 1 ea. Compressor slide-out bracket
- Cabinet/Door to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- Cylinder locks, keyed alike, as required
- Intermediate stainless steel wire shelves, adjustable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B45 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 1 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each

- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B46 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B47 MIXER, FLOOR – QTY. AS PER PLAN & SCHEDULE

Hobart Model HL300. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 30 Qt. bowl, stainless steel
- 1 ea. Bowl truck
- 1 ea. Bowl scraper
- 1 ea. Ingredient chute
- 1 ea. B Flat beater
- 1 ea. D Whip
- 1 ea. ED Dough arm

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #B48 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge

- Finger holes, lift-off
- Flush inlay with work sink/top
- Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B49 SPARE NUMBER

ITEM #B50 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B51 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model 1971258. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 16 Gallon capacity
- 1 ea. Portable dolly
- 1 ea. Tuffmode Polyliner Bags

No alternate manufacturers will be accepted for this item.

ITEM #B52 CUTTER / MIXER – QTY. AS PER PLAN & SCHEDULE

Robot Coupe Model R2N ULTRA. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 6 ea. Additional processing discs, as selected by owner

Or as manufactured by Sammic, Waring or Approved Equal.

ITEM #B53 POT RACK, CEILING MOUNT – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications

and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 80" above finished floor to underside
- 50 ea. Stainless steel pot-hooks

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B54 DOLLY, DISHRACK – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model GRD. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Corner bumpers, 022
- 1 ea. Pull hook, PH-10
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #B55 CLEAN DISH TABLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- Stainless steel tubular crossrails, side / rear

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B56 PRE-WASH SINK, BUILT-IN – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Built-in pre-wash sink, 21" L x 21" W x 7" D
- 1 ea. DrainKing waste valve
- 1 ea. Stainless Steel faucet, Fisher Mfg. model 24589 with 14" swing spout add-on faucet and wrist action handles, 1/2" connections
- 1 ea. Removable perforated basket, 19" L x 19" W x 6" D, Stainless Steel, 18 Gauge
- 1 ea. Removable rack guide to fit over sink, Stainless Steel, 12 Gauge

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B57 STORAGE SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Eagle Group/Metal Masters Model WAL-STOR. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting Height: 50" above finished floor
- 2 ea. Wall grid/mat, WM1848-E
- 1 ea. Wall uprights, vertical, PR45VU-E
- 2 ea. Shelf, 1448-E
- 3 ea. Shelf Brackets, PR14B-E
- 2 ea. Grid Shelf, 1436WGS-E
- 3 ea. Baskets, WB-E
- 12 ea. Utility Hooks, UH-E
- 1 ea. Epoxy coated finish, entire wall system
- Wall backing by General Contractor

Or as manufactured by Metro, Focus or Approved Equal.

ITEM #B58 WAREWASHER, DOOR TYPE, HIGH TEMP. – QTY. AS PER PLAN & SCHEDULE

Hobart Model AM15 ELEC. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/3, Hardwired
- 1 ea. Single point electrical connection
- 1 ea. Corner design application
- 4 ea. Peg racks
- 4 ea. Combination racks
- 4 ea. Vollrath Traex sheet pan racks, TR23
- 1 ea. Tall chamber
- 1 ea. Built-in hot water booster, 70° rise
- 1 ea. Detergent/rinse aid pumps
- 1 ea. Water hammer arrestor kit
- 1 ea. Drain tempering kit
- Flanged feet bolted to floor

Or as manufactured by Champion, Meiko or Approved Equal.

ITEM #B59 EXHAUST HOOD, TYPE II – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 304 stainless steel
- Structural front panel
- Length / size as per contract documents, wall/island canopy hood
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Baffles shall be fully removable
- Full perimeter gutter with 1/2" stainless steel drain coupling

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B60 3-COMPARTMENT SINK, POTWASH – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- 3 ea. Built-in work sinks, 27" L x 27" W x 14" D
- 3 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 3 ea. Tail piece, Fisher Mfg. model 6129
- 3 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 24589 with 14" swing spout add-on faucet, 3/4" connections
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 51209 with 14" swing spout, 3/4" connections
- Stainless steel common bowl skirt
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B61 S.S. CHEMICAL CABINET – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Cabinet/ Door to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- Cylinder locks, keyed alike, as required
- Intermediate stainless steel solid shelves, adjustable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B62 RACK SHELF, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- 1 ea. Drip tube, 1/2" diameter, verify left/right
- Wall backing by General Contractor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B63 SPARE NUMBER

ITEM #B64 HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Soap dispenser
- 1 ea. Towel dispenser
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- 1 ea. Emergency Eye Wash Unit
- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #B65 HOSE REEL WITH GUN – QTY. AS PER PLAN & SCHEDULE

Fisher Model 29599. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 35' hose length
- 1 ea. Install Kit, exposed piping, 29475
- All necessary components for full operation
- Wall backing by General Contractor

Or as manufactured by T&S Brass, Component Hardware or Approved Equal.

ITEM #B66 POT / PAN RACK, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2448695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 2 ea. 24" x 48" Shelves with removable, vented inserts
- 4 ea. 74" High uprights
- 1 ea. Drying rack, FTS2448815GN
- 1 ea. Drying rack, FTS2448835GN
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #B67 STORAGE SHELVING, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2136695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 4 ea. 21" x 36" Shelves with removable, vented inserts
- 4 ea. 64" High uprights
- Mounted on heavy-duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #B68 FIRE EXTINGUISHER, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Ansul Model K-CLASS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Wet chemical type, Ansulex low pH agent
- 1 ea. 2.5 Gallon tank
- 1 ea. Wall bracket
- 1 ea. Rechargeable
- Wall backing by General Contractor

No alternate manufacturers will be accepted for this item.

ITEM #B69 WALK-IN COOLER – QTY. AS PER PLAN & SCHEDULE

Norlake Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Walk-in Cooler Height: 8'-7" AFF
- Exterior Finish: Stucco stainless steel where exposed, 20 Gauge
- Pre-formed panels: 4" thick, polyurethane insulation
- Pre-formed floor panel: 4" thick, polyurethane insulation depressed in slab, 6 ½" depression
- Interior Floor Finish: Continuation of kitchen flooring material, as selected by Architect
- Interior / Exterior diamond tread kick plate at door section, foamed in place
- 1 ea. 36" x 78" door with vision panel
- 1 ea. Flush mount temperature alarm system, Modularm 75B
- 1 ea. Evaporator Coil Limit Switch, mounted in interior door frame
- 1 ea. Removable trim panels for access

Or as manufactured by Kolpak, American Panel or Approved Equal.

ITEM #B70 SPARE NUMBER

ITEM #B71 REFRIGERATION TO ITEM #B69 – QTY. AS PER PLAN & SCHEDULE

Norlake Model NAWD125RL-3 with SA28-97B-AE. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/3, Hardwired, compressor unit
- Electrical: 120/1, Hardwired, evaporator coil
- Refrigeration: R-404A
- 1 ea. Evaporator coils mounted within walk-in box, suspended from ceiling
- 1 ea. Compressor units mounted on building roof
- 1 ea. Dunnage rack, rails or curb for compressor unit
- 1 ea. Weatherproof cowl
- 1 ea. Winterized controls

Or as manufactured by Kolpak, American Panel or Approved Equal.

ITEM #B72 STORAGE SHELVING, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2136695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 4 ea. 21" x 36" Shelves with removable, vented inserts
- 4 ea. 64" High uprights
- Mounted on heavy-duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #B73 COOKING SUITE, HEAVY DUTY, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Gas: 1-1/4" Connection, 1,092 MBtuh
- 1 ea. Pressure regulator
- 2 ea. Gas shut-off valve
- 1 ea. Pre-wired internally by manufacturer, final connections by E.C.
- 1 ea. Pre-plumbed internally by manufacturer, final connections by P.C.
- Cooking Suite Consisting of:
 - 4 ea. Range with oven base, P36A-XX
 - 2 ea. Griddle section, P36C-TTT
 - 2 ea. Cabinet work section
 - 1 ea. Raised tubular overshef
 - 2 ea. Raised flue riser
 - Full perimeter, stainless steel rub/belly rail

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #B74 EXHAUST HOOD, TYPE I – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 430 stainless steel
- Filters: Stainless steel captrate solo with hook
- Insulation: Integral air / insulation barriers at perimeter and top, 0" clearance to combustibles
- Structural front panel, insulated
- Wall / Island canopy hood, length / size as per contract documents
- 4 ea. Front perforated supply plenum (PSP) with built-in 3" back standoff
- Insulation for PSP housing, as required
- 10 ea. LED light with bulbs
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Adjustable exhaust air volume control damper
- Hood Control Panel Package:
 - EMSplus11 modulating energy management system with smart controls
 - VFDs

- Duct Temperature Sensors in all risers
- Room Temperature Sensor
- Configurable through Touch Screen Interface
- EMS Duct Thermostat
- INVERTER DUTY THREE PHASE MOTORS REQUIRED

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B75 SUPPLY PLENUM, MAKE-UP AIR – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #B74

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B76 EXHAUST HOOD, CONTROL PANEL – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #B74

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B76A EXHAUST HOOD, CONTROL INTERFACE – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #B74

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B77 SPARE NUMBER

ITEM #B78 ADA WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- ADA Compliant clearance 30" L x 19" W x 27" H
- 1 ea. Built-in work sink, tapered, 20" L x 16" W x 6" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Rear / off-set drain connection
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing

- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout and wrist action handles, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B79 BIN, INGREDIENT – QTY. AS PER PLAN & SCHEDULE

Cambro Model IBS20148. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. CamWear scoop, 24 oz.

Or as manufactured by Rubbermaid or Approved Equal.

ITEM #B80 MIXER, COUNTER – QTY. AS PER PLAN & SCHEDULE

Hobart Model HL200. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 20 Qt. bowl, stainless steel
- 1 ea. Bowl truck
- 1 ea. Bowl scraper
- 1 ea. Ingredient chute
- 1 ea. B Flat beater
- 1 ea. D Whip
- 1 ea. ED Dough arm

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #B81 MIXER, COUNTER – QTY. AS PER PLAN & SCHEDULE

Hobart Model HL200. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 20 Qt. bowl, stainless steel
- 1 ea. Bowl truck
- 1 ea. Bowl scraper
- 1 ea. Ingredient chute
- 1 ea. B Flat beater
- 1 ea. D Whip
- 1 ea. ED Dough arm

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #B82 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications

and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #B78, ADA Work Table
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #B83 ADA HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model ADA-WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- ADA Compliant
- 1 ea. Soap dispenser
- 1 ea. Towel dispenser
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- 1 ea. Emergency Eye Wash Unit
- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #B84 SPARE NUMBER

ITEM #B85 FIRE EXTINGUISHER, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Ansul Model K-CLASS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Wet chemical type, Ansulex low pH agent
- 1 ea. 2.5 Gallon tank
- 1 ea. Wall bracket
- 1 ea. Rechargeable
- Wall backing by General Contractor

No alternate manufacturers will be accepted for this item.

ITEM #B86 FIRE PROTECTION SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model UL-300 (R-102). Unit to be installed where shown on drawing in strict accordance to that described in General Specifications. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Provide connection to building Fire Alarm System
- 1 ea. Mechanical Gas valve, up to 3", size to be verified
 - Provide add/ alternate for electric gas valve
- 1 ea. Reset Relay Push Button
 - Only required with use of electric gas valve

- For the protection of equipment beneath Exhaust Hood, Item #B74

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B87 S.S. WALL PANEL(S) – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Stainless steel panels, evenly sized, 20 Gauge
- Installed from top of coved base to underside of hood, entire length
- Hairline joints sealed with S.S. trim strips
- Secured to wall with heat resistant mastic

It is the responsibility of the Kitchen Equipment Contractor to coordinate and make all appropriate cut-outs in paneling based on utility requirements in this location and apply appropriate stainless steel trim strips, caps, gussets, etc...

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B88 OVEN, CONVECTION, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model GB/25CCH. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: (2)120/1, NEMA 5-15P
- Gas: 3/4" Rear Connection, 180 MBtuh
- 1 ea. Manifold gas line for double unit
- 1 ea. Pressure regulator
- 2 ea. Solid state digital control with cook & hold and pulse plus
- 1 ea. Stainless steel exterior bottom
- 1 ea. Stainless steel back enclosure
- 1 ea. Extra oven racks
- 1 ea. 48" Quick disconnect with flexible hose
- 1 ea. Restraint cable
- Mounted on heavy duty adjustable casters, front two with brakes

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #B89 SPARE NUMBER

ITEM #B90 FRYER, DOUGHNUT – QTY. AS PER PLAN & SCHEDULE

Pitco Model 24P-SS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, 5-15P
- Gas: 1/2" Rear Connection, 120 MBtuh
- 1 ea. Pressure regulator
- 1 ea. Solid state thermostat
- 1 ea. Tank cover, stainless steel
- 1 ea. Donut screen with handles

- 1 ea. Fryer cleaning brush
- 1 ea. Clean-out rod
- 1 ea. Fryer cleaner, 25 lb.
- 1 ea. Crumb scoop
- 1 ea. Safe oil transport system
- 1 ea. 48" Quick disconnect with flexible hose
- 1 ea. Restraint cable

Or as manufactured by Dean, Anets or Approved Equal.

ITEM #B91 SPARE NUMBER

ITEM #B92 OVEN, CONVECTION, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model GB/25CCH. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: (2)120/1, NEMA 5-15P
- Gas: 3/4" Rear Connection, 180 MBtuh
- 1 ea. Manifold gas line for double unit
- 1 ea. Pressure regulator
- 2 ea. Solid state digital control with cook & hold and pulse plus
- 1 ea. Stainless steel exterior bottom
- 1 ea. Stainless steel back enclosure
- 1 ea. Extra oven racks
- 1 ea. 48" Quick disconnect with flexible hose
- 1 ea. Restraint cable
- Mounted on heavy duty adjustable casters, front two with brakes

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #B93 EXHAUST HOOD, TYPE I – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 430 stainless steel
- Filters: Stainless steel captrate solo with hook
- Insulation: Integral air / insulation barriers at perimeter and top, 0" clearance to combustibles
- Structural front panel, insulated
- Wall / Island canopy hood, length / size as per contract documents
- 1 ea. Front perforated supply plenum (PSP) with built-in 3" back standoff
- Insulation for PSP housing, as required
- 5 ea. LED light with bulbs
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Adjustable exhaust air volume control damper
- Hood Control Panel Package:
 - EMSplus11 modulating energy management system with smart controls
 - VFDs
 - Duct Temperature Sensors in all risers

- Room Temperature Sensor
- Configurable through Touch Screen Interface
- EMS Duct Thermostat
- INVERTER DUTY THREE PHASE MOTORS REQUIRED

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B94 SUPPLY PLENUM, MAKE-UP AIR – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #B93

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B95 EXHAUST HOOD, CONTROL PANEL – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #B93

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B95A EXHAUST HOOD, CONTROL INTERFACE – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #B93

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #B96 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model FG352600GRAY. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Portable dolly, FG353000BLA
- 1 ea. Tuffmade Polyliner Bags, FG501688GRAY
- 1 ea. Removable lid, FG352700

No alternate manufacturers will be accepted for this item.

CULINARY ARTS LAB

ITEM #C1 HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Soap dispenser
- 1 ea. Towel dispenser

- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- 1 ea. Emergency Eye Wash Unit
- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #C2 HOSE REEL WITH GUN – QTY. AS PER PLAN & SCHEDULE

Fisher Model 29599. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 35' hose length
- 1 ea. Install Kit, exposed piping, 29475
- All necessary components for full operation
- Wall backing by General Contractor

Or as manufactured by T&S Brass, Component Hardware or Approved Equal.

ITEM #C3 S.S. CHEMICAL CABINET – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Cabinet/ Door to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- Cylinder locks, keyed alike, as required
- Intermediate stainless steel solid shelves, adjustable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C4 3-COMPARTMENT SINK, POTWASH – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- 3 ea. Built-in work sinks, 27" L x 27" W x 14" D
- 3 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 3 ea. Tail piece, Fisher Mfg. model 6129
- 3 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 24589 with 14" swing spout add-on faucet, 3/4" connections
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 51209 with 14" swing spout, 3/4" connections
- Stainless steel common bowl skirt
- Flanged feet bolted to floor at work sink locations only

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C5 DOLLY, DISHRACK – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model GRD. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Corner bumpers, 022
- 1 ea. Pull hook, PH-10
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #C6 STORAGE SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Eagle Group/Metal Masters Model WAL-STOR. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting Height: 50" above finished floor
- 1 ea. Wall uprights, vertical, PR45VU-E
- 2 ea. Shelf, 1448-E
- 3 ea. Shelf Brackets, PR14B-E
- 2 ea. Grid Shelf, 1436WGS-E
- 3 ea. Baskets, WB-E
- 12 ea. Utility Hooks, UH-E
- 1 ea. Epoxy coated finish, entire wall system
- Wall backing by General Contractor

Or as manufactured by Metro, Focus or Approved Equal.

ITEM #C7 SPARE NUMBER

ITEM #C8 WAREWASHER, DOOR TYPE, HIGH TEMP. – QTY. AS PER PLAN & SCHEDULE

Hobart Model AM15 ELEC. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/3, Hardwired
- 1 ea. Single point electrical connection
- 1 ea. Corner design application
- 4 ea. Peg racks
- 4 ea. Combination racks
- 4 ea. Vollrath Traex sheet pan racks, TR23
- 1 ea. Tall chamber
- 1 ea. Built-in hot water booster, 70° rise
- 1 ea. Detergent/rinse aid pumps
- 1 ea. Water hammer arrestor kit
- 1 ea. Drain tempering kit
- Flanged feet bolted to floor

Or as manufactured by Champion, Meiko or Approved Equal.

ITEM #C9 EXHAUST HOOD, TYPE II – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 304 stainless steel
- Structural front panel
- Length / size as per contract documents, wall/island canopy hood
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Baffles shall be fully removable
- Full perimeter gutter with 1/2" stainless steel drain coupling

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C10 SOILED DISH TABLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- Stainless steel tubular crossrails, side / rear

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C11 PRE-WASH SINK, BUILT-IN – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Built-in pre-wash sink, 21" L x 21" W x 7" D
- 1 ea. DrainKing waste valve
- 1 ea. Stainless Steel faucet, Fisher Mfg. model 24589 with 14" swing spout add-on faucet and wrist action handles, 1/2" connections
- 1 ea. Removable perforated basket, 19" L x 19" W x 6" D, Stainless Steel, 18 Gauge
- 1 ea. Removable rack guide to fit over sink, Stainless Steel, 12 Gauge

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C12 POT / PAN RACK, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2448695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 2 ea. 24" x 48" Shelves with removable, vented inserts
- 4 ea. 74" High uprights
- 1 ea. Drying rack, FTS2448815GN
- 1 ea. Drying rack, FTS2448835GN
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #C13 MOP SINK, ANTI-SPLASH – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model FS-AS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 4-Pole mop holder
- 1 ea. Hose and bracket
- 1 ea. Service faucet
- 1 ea. Anti-splash basin

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #C14 SPARE NUMBER

ITEM #C15 MOP DRAINAGE TRAY – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model FST-27. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #C16 CENTRAL FILTER SYSTEM – QTY. AS PER PLAN & SCHEDULE

A.J. Antunes/Roundup Model VZN441V-T5. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Vertical 15 gallon, ultra filtration with carbon element
- 1 ea. TAC-5 cartridge for lime scale reduction, self-cleaning
- 1 ea. Strainer kit, 7000519
- 1 ea. Surge tank, 2180305, 44 gallon, floor mounted by K.E.C.

Or as manufactured by Everpure, Pentair or Approved Equal.

ITEM #C17 STORAGE SHELVING, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2136695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 4 ea. 21" x 36" Shelves with removable, vented inserts
- 4 ea. 64" High uprights
- Mounted on heavy-duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #C18 WALK-IN COOLER – QTY. AS PER PLAN & SCHEDULE

Norlake Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Walk-in Cooler Height: 8'-7" AFF
- Exterior Finish: Stucco stainless steel where exposed, 20 Gauge
- Pre-formed panels: 4" thick, polyurethane insulation
- Pre-formed floor panel: 4" thick, polyurethane insulation depressed in slab, 6 ½" depression
- Interior Floor Finish: Continuation of kitchen flooring material, as selected by Architect
- Interior / Exterior diamond tread kick plate at door section, foamed in place
- 1 ea. 36" x 78" door with vision panel
- 1 ea. Flush mount temperature alarm system, Modularm 75B
- 1 ea. Evaporator Coil Limit Switch, mounted in interior door frame
- 1 ea. Removable trim panels for access

Or as manufactured by Kolpak, American Panel or Approved Equal.

ITEM #C19 REFRIGERATION TO ITEM #B69 – QTY. AS PER PLAN & SCHEDULE

Norlake Model NAWD125RL-3 with SA28-97B-AE. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/3, Hardwired, compressor unit
- Electrical: 120/1, Hardwired, evaporator coil
- Refrigeration: R-404A
- 1 ea. Evaporator coils mounted within walk-in box, suspended from ceiling
- 1 ea. Compressor units mounted on building roof
- 1 ea. Dunnage rack, rails or curb for compressor unit
- 1 ea. Weatherproof cowl
- 1 ea. Winterized controls

Or as manufactured by Kolpak, American Panel or Approved Equal.

ITEM #C20 STORAGE SHELVING, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2136695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 4 ea. 21" x 36" Shelves with removable, vented inserts
- 4 ea. 64" High uprights
- Mounted on heavy-duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #C21 WORK TOP REFRIGERATOR – QTY. AS PER PLAN & SCHEDULE

Norlake Model NLUR36A. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Self-contained refrigeration
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by True Food Service, Beverage Air or Approved Equal.

ITEM #C22 SPARE NUMBER

ITEM #C23 ADA HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model ADA-WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- ADA Compliant
- 1 ea. Soap dispenser
- 1 ea. Towel dispenser
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- 1 ea. Emergency Eye Wash Unit
- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #C24 HOSE REEL WITH GUN – QTY. AS PER PLAN & SCHEDULE

Fisher Model 29599. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 35' hose length
- 1 ea. Install Kit, exposed piping, 29475
- All necessary components for full operation
- Wall backing by General Contractor

Or as manufactured by T&S Brass, Component Hardware or Approved Equal.

ITEM #C25 WORK COUNTER W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use

- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- Cabinet/Door to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- Cylinder locks, keyed alike, as required
- Intermediate stainless steel solid shelves, adjustable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C26 BIN, INGREDIENT – QTY. AS PER PLAN & SCHEDULE

Cambro Model IBS20148. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. CamWear scoop, 24 oz.

Or as manufactured by Rubbermaid or Approved Equal.

ITEM #C27 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #C25, Work Counter w/ Sink
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C28 COFFEE MAKER – QTY. AS PER PLAN & SCHEDULE

Fetco Model CBS-2151XTS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, Hardwired
- 1 ea. Stainless steel brew basket
- 1 ea. Drip tray
- 3 ea. Thermal dispensers, L3D-15 LUXUS
- 1 ea. Half batch brewing option
- 500 ea. Paper filters
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Bunn-O-Matic, Curtis or Approved Equal.

ITEM #C29 MIXER, COUNTER – QTY. AS PER PLAN & SCHEDULE

Hobart Model HL200. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 20 Qt. bowl, stainless steel
- 1 ea. Bowl truck
- 1 ea. Bowl scraper
- 1 ea. Ingredient chute
- 1 ea. B Flat beater
- 1 ea. D Whip
- 1 ea. ED Dough arm

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #C30 BIN, INGREDIENT – QTY. AS PER PLAN & SCHEDULE

Cambro Model IBS20148. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. CamWear scoop, 24 oz.

Or as manufactured by Rubbermaid or Approved Equal.

ITEM #C31 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #C25, Work Counter w/ Sink
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C32 MIXER, COUNTER – QTY. AS PER PLAN & SCHEDULE

Hobart Model HL200. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. 20 Qt. bowl, stainless steel
- 1 ea. Bowl truck
- 1 ea. Bowl scraper
- 1 ea. Ingredient chute
- 1 ea. B Flat beater
- 1 ea. D Whip
- 1 ea. ED Dough arm

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #C33 RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model AUR-12. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- No additional features, options or accessories required

Or as manufactured by Lockwood, New Age Industrial or Approved Equal.

ITEM #C34 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model FG352600GRAY. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Portable dolly, FG353000BLA
- 1 ea. Tuffmade Polyliner Bags, FG501688GRAY
- 1 ea. Removable lid, FG352700

No alternate manufacturers will be accepted for this item.

ITEM #C35 SPARE NUMBER

ITEM #C36 WORK TABLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C37 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C38 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model 1971258. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 16 Gallon capacity
- 1 ea. Portable dolly
- 1 ea. Tuffmode Polyliner Bags

No alternate manufacturers will be accepted for this item.

ITEM #C39 ADA WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 1 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- ADA Compliant clearance 30" L x 19" W x 27" H
- 1 ea. Built-in work sink, tapered, 20" L x 16" W x 6" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Rear / off-set drain connection
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C40 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C41 POT RACK, CEILING MOUNT – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 80" above finished floor to underside
- 50 ea. Stainless steel pot-hooks

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C42 SPARE NUMBER

ITEM #C43 WORK TABLE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C44 SLICER, CHEESE – QTY. AS PER PLAN & SCHEDULE

Hobart Model HS9-1. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Automatic Type
- 1 ea. Lift device

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #C45 SLICER, MEAT – QTY. AS PER PLAN & SCHEDULE

Hobart Model HS9-1. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Automatic Type
- 1 ea. Lift device

Or as manufactured by Globe, Univex or Approved Equal.

ITEM #C46 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R

- 1 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C47 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C48 CUTTER / MIXER – QTY. AS PER PLAN & SCHEDULE

Robot Coupe Model R2N Ultra. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as specified:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Disc Package, SP5DISC

Or as manufactured by Sammic USA, Waring or Approved Equal.

ITEM #C49 SPARE NUMBER

ITEM #C50 POT RACK, CEILING MOUNT – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 80" above finished floor to underside
- 50 ea. Stainless steel pot-hooks

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C51 FREEZER, UNDERCOUNTER, ADA – QTY. AS PER PLAN & SCHEDULE

True Food Service Model TUC-27F-ADA. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Stainless steel top, 16 Gauge
- 1 ea. Digital thermometer, external
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Norlake, Beverage Air or Approved Equal.

ITEM #C52 FREEZER, UNDERCOUNTER, ADA – QTY. AS PER PLAN & SCHEDULE

True Food Service Model TUC-27F-ADA. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Stainless steel top, 16 Gauge
- 1 ea. Digital thermometer, external
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Norlake, Beverage Air or Approved Equal.

ITEM #C53 COOKING SUITE, HEAVY DUTY, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Gas: 1-1/4" Connection, 1,282 MBtuh
- 1 ea. Pressure regulator
- 2 ea. Gas shut-off valve
- 1 ea. Pre-wired internally by manufacturer, final connections by E.C.
- 1 ea. Pre-plumbed internally by manufacturer, final connections by P.C.
- Cooking Suite Consisting of:
 - 4 ea. Range with oven base, P36A-XX
 - 3 ea. Griddle section, P24C-TT
 - 1 ea. Cabinet work section
 - 1 ea. Cabinet work section with sink
 - 1 ea. Raised tubular overshef

- 2 ea. Raised flue riser
- 2 ea. Pot filler faucet
- 2 ea. Cheese melter, P36-CM-PT
- 2 ea. Cabinet section, P36N-SSS
- 1 ea. Fryer section, P16-PF45
- 1 ea. Cabinet section, P8C-S
- Full perimeter, stainless steel rub/belly rail
- 6 ea. GFCI duplex receptacles mounted in apron, S.S. cover plates

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #C54 EXHAUST HOOD, TYPE I – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 304 stainless steel
- Filters: Stainless steel captrate solo with hook
- Insulation: Integral air / insulation barriers at perimeter and top, 0" clearance to combustibles
- Structural front panel, insulated
- Wall / Island canopy hood, length / size as per contract documents
- 2 ea. Front perforated supply plenum (PSP) with built-in 3" back standoff
- Insulation for PSP housing, as required
- 12 ea. LED light with bulbs
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Adjustable exhaust air volume control damper
- Hood Control Panel Package:
 - EMSplus11 modulating energy management system with smart controls
 - VFDs
 - Duct Temperature Sensors in all risers
 - Room Temperature Sensor
 - Configurable through Touch Screen Interface
 - EMS Duct Thermostat
 - INVERTER DUTY THREE PHASE MOTORS REQUIRED

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C55 SUPPLY PLENUM, MAKE-UP AIR – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C54

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C56 SPARE NUMBER

ITEM #C57 FIRE PROTECTION SYSTEM, BUILT-IN – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawing in strict accordance to that described in General Specifications. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Provide connection to building Fire Alarm System
- 1 ea. Mechanical Gas valve, up to 3", size to be verified
 - Provide add/ alternate for electric gas valve
- 1 ea. Reset Relay Push Button
 - Only required with use of electric gas valve
- Included as part of Item #C54
- For the protection of equipment beneath Exhaust Hood, Item #C54

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C58 EXHAUST HOOD, CONTROL INTERFACE – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C54

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C58A EXHAUST HOOD, CONTROL PANEL – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C54

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C59 FIRE EXTINGUISHER, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Ansul Model K-CLASS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Wet chemical type, Ansulex low pH agent
- 1 ea. 2.5 Gallon tank
- 1 ea. Wall bracket
- 1 ea. Rechargeable
- Wall backing by General Contractor

No alternate manufacturers will be accepted for this item.

ITEM #C60 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C61 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C62 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board

- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C63 SPARE NUMBER

ITEM #C64 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C65 CUTTER / MIXER – QTY. AS PER PLAN & SCHEDULE

Robot Coupe Model R2N Ultra. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as specified:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Disc Package, SP5DISC

Or as manufactured by Sammic USA, Waring or Approved Equal.

ITEM #C66 POT RACK, CEILING MOUNT – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 80" above finished floor to underside
- 50 ea. Stainless steel pot-hooks

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C67 WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15R
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off

- Flush inlay with work sink/top
- Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- 1 ea. Work drawer assembly with removable cutting board
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C68 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C69 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model 1971258. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 16 Gallon capacity
- 1 ea. Portable dolly
- 1 ea. Tuffmode Polyliner Bags

No alternate manufacturers will be accepted for this item.

ITEM #C70 SPARE NUMBER

ITEM #C71 ADA WORK TABLE W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 2 ea. GFCI duplex receptacles mounted in splash, S.S. cover plates
- Counter Top Material: Stainless Steel, 14 Gauge
- ADA Compliant clearance 30" L x 19" W x 27" H
- 1 ea. Built-in work sink, tapered, 20" L x 16" W x 6" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge

- Finger holes, lift-off
- Flush inlay with work sink/top
- Integral bracket, under counter, to hold when not in use
- 1 ea. Rear / off-set drain connection
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- Stainless steel undershelf, removable
- Flanged feet bolted to floor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C72 OVERSHELF, SPLASH MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor
- Posts support bracket thru splash, welded to frame

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C73 POT RACK, CEILING MOUNT – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 80" above finished floor to underside
- 50 ea. Stainless steel pot-hooks

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C74 FREEZER, UNDERCOUNTER, ADA – QTY. AS PER PLAN & SCHEDULE

True Food Service Model TUC-27F-ADA. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Stainless steel top, 16 Gauge
- 1 ea. Digital thermometer, external
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Norlake, Beverage Air or Approved Equal.

ITEM #C75 FREEZER, UNDERCOUNTER, ADA – QTY. AS PER PLAN & SCHEDULE

True Food Service Model TUC-27F-ADA. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Stainless steel top, 16 Gauge
- 1 ea. Digital thermometer, external
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Energy Star® Certified
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Norlake, Beverage Air or Approved Equal.

ITEM #C76 COOKING SUITE, HEAVY DUTY, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Gas: 1-1/4" Connection, 1,282 MBtuh
- 1 ea. Pressure regulator
- 2 ea. Gas shut-off valve
- 1 ea. Pre-wired internally by manufacturer, final connections by E.C.
- 1 ea. Pre-plumbed internally by manufacturer, final connections by P.C.
- Cooking Suite Consisting of:
 - 4 ea. Range with oven base, P36A-XX
 - 2 ea. Griddle section, P36C-TTT
 - 1 ea. Cabinet work section
 - 1 ea. Cabinet work section with sink
 - 1 ea. Raised tubular overshef
 - 2 ea. Raised flue riser
 - 2 ea. Pot filler faucet
 - 2 ea. Cheese melter, P36-CM-PT
 - 2 ea. Cabinet section, P36N-SSS
 - 1 ea. Fryer section, P16-PF45
 - 1 ea. Cabinet section, P8C-S
 - Full perimeter, stainless steel rub/belly rail
 - 4 ea. GFCI duplex receptacles mounted in apron, S.S. cover plates

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #C77 SPARE NUMBER

ITEM #C78 EXHAUST HOOD, TYPE I – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 304 stainless steel
- Filters: Stainless steel captrate solo with hook
- Insulation: Integral air / insulation barriers at perimeter and top, 0" clearance to combustibles
- Structural front panel, insulated
- Wall / Island canopy hood, length / size as per contract documents
- 2 ea. Front perforated supply plenum (PSP) with built-in 3" back standoff
- Insulation for PSP housing, as required
- 12 ea. LED light with bulbs
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Adjustable exhaust air volume control damper
- Hood Control Panel Package:
 - EMSplus11 modulating energy management system with smart controls
 - VFDs
 - Duct Temperature Sensors in all risers
 - Room Temperature Sensor
 - Configurable through Touch Screen Interface
 - EMS Duct Thermostat
 - INVERTER DUTY THREE PHASE MOTORS REQUIRED

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C79 SUPPLY PLENUM, MAKE-UP AIR – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C78

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C80 FIRE PROTECTION SYSTEM, BUILT-IN – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawing in strict accordance to that described in General Specifications. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Provide connection to building Fire Alarm System
- 1 ea. Mechanical Gas valve, up to 3", size to be verified
 - Provide add/ alternate for electric gas valve
- 1 ea. Reset Relay Push Button
 - Only required with use of electric gas valve
- 1 ea. K-CLASS Fire Extinguisher
- Included as part of Item #C78
- For the protection of equipment beneath Exhaust Hood, Item #C78

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C81 EXHAUST HOOD, CONTROL INTERFACE – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C78

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C81A EXHAUST HOOD, CONTROL PANEL – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C78

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C82 BIN, ICE – QTY. AS PER PLAN & SCHEDULE

Scotsman Model B322S. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Ice scoop holder, stainless steel
- 1 ea. Ice shovel/scoop, stainless steel

Or as manufactured by Ice-O-Matic, Manitowoc or Approved Equal.

ITEM #C83 ICE MAKER – QTY. AS PER PLAN & SCHEDULE

Scotsman Model C0322MA-32D. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- 1 ea. Ice level control, KVS
- 1 ea. Smartboard, KSBU
- Mounted on top of Item #C82
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Ice-O-Matic, Manitowoc or Approved Equal.

ITEM #C84 SPARE NUMBER

ITEM #C85 FREEZER, REACH-IN – QTY. AS PER PLAN & SCHEDULE

Norlake Model NF522SSS/0X. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Expansion valve
- 4 ea. Half doors with locks
- 3 ea. Stainless steel shelves per compartment, top section
- 1 ea. Digital temperature control system

- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Adjustable universal pan slides 1-1/2" O.C. to hold 18" x 26" or 12" x 20" pans, bottom section
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by True Food Service, Beverage Air or Approved Equal.

ITEM #C86 FREEZER, REACH-IN – QTY. AS PER PLAN & SCHEDULE

Norlake Model NF522SSS/0X. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Expansion valve
- 4 ea. Half doors with locks
- 3 ea. Stainless steel shelves per compartment, top section
- 1 ea. Digital temperature control system
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Adjustable universal pan slides 1-1/2" O.C. to hold 18" x 26" or 12" x 20" pans, bottom section
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by True Food Service, Beverage Air or Approved Equal.

ITEM #C87 WORK COUNTER W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D each
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- Cabinet/Door to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- Cylinder locks, keyed alike, as required
- Intermediate stainless steel solid shelves, adjustable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C88 2-TIER OVERSHELF, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Mounting height: 56" above finished floor, first tier
- Mounting height: 68" above finished floor, second tier

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C89 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model 1971258. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 16 Gallon capacity
- 1 ea. Portable dolly
- 1 ea. Tuffmode Polyliner Bags

No alternate manufacturers will be accepted for this item.

ITEM #C90 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #C91 SPARE NUMBER

ITEM #C92 REFRIGERATOR, SANDWICH / SALAD PREP. – QTY. AS PER PLAN & SCHEDULE

True Food Service Model TFP-32-12M. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Barrel locks
- 1 ea. Composite cutting board
- 1 ea. Pan dividers
- 1 ea. Exterior digital thermometer
- 1 ea. Three year parts warranty

- 1 ea. Three year labor warranty
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Norlake, Beverage Air or Approved Equal.

ITEM #C93 TOASTER, CONVEYOR – QTY. AS PER PLAN & SCHEDULE

Hatco Model TQ-10. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P

Or as manufactured by Star Mfg., Toastmaster or Approved Equal.

ITEM #C94 DROP-IN HOT WELLS – QTY. AS PER PLAN & SCHEDULE

Wells Model MOD-200D. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, Hardwired
- 1 ea. Controls remote mounted in apron
- 1 ea. Drain valve extension kit, if required
- 1 ea. Adaptor top, 20175
- 1 ea. Round inset, 20587
- 1 ea. Round inset, 20908
- 1 ea. Manifoldded drain lines to gate/shut-off valve

Or as manufactured by Vollrath, Piper Products or Approved Equal.

ITEM #C95 OVEN, MICROWAVE – QTY. AS PER PLAN & SCHEDULE

Panasonic Model NE-1064. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P

Or as manufactured by Amana, Sharp or Approved Equal.

ITEM #C96 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model FG352600GRAY. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Portable dolly, FG353000BLA
- 1 ea. Tuffmade Polyliner Bags, FG501688GRAY
- 1 ea. Removable lid, FG352700

No alternate manufacturers will be accepted for this item.

ITEM #C97 ADA HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model ADA-WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- ADA Compliant

- 1 ea. Soap dispenser
- 1 ea. Towel dispenser
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- 1 ea. Emergency Eye Wash Unit
- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #C98 SPARE NUMBER
 ITEM #C99 BLAST CHILLER / SHOCK FREEZER – QTY. AS PER PLAN & SCHEDULE

Piper Products Model RCM054S. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, NEMA 6-15P
- Verify door hinging
- Capacity: (5) 18" x 26" Sheet pans
- 1 ea. Self-contained refrigeration
- 1 ea. Sterilizing option
- 1 ea. Second food probe
- 1 ea. Set of casters, low profile

Or as manufactured by American Panel, Thermal-Rite or Approved Equal.

ITEM #C100 HARDNESS FILTER, WATER – QTY. AS PER PLAN & SCHEDULE

A.J. Antunes/Roundup Model HRS-200 with Water Meter. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Water Meter Kit, 7000976
- 3 ea. Replacement cartridges, 7000967
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Everpure, Pentair or Approved Equal.

ITEM #C101 OVEN-STEAMER, COMBI, ELECTRIC – QTY. AS PER PLAN & SCHEDULE

Rational Model SCC 62E / SCC 62E. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: (2)208/3, Hardwired
- Provided with 48" elec. lead by E.C., K.E.C. to coordinate
- Capacity: (12) 18" x 26" Pans or (24) 12" x 20" Pans
- 1 ea. Installation Kit, 8720.1563US
- 1 ea. Combi-Duo Mobile Stacking Kit, 60.71.933
- 2 ea. Safety door lock
- 2 ea. Cool down function
- 2 ea. 5-Speed fan, programmable
- 2 ea. Core probe, external
- 2 ea. Integrated hand shower

- 2 ea. USB interface
 - 2 ea. Control panel protection
 - 2 ea. Washing system
 - 2 ea. Descaler chemical
 - 1 ea. Restraint cable
 - 1 ea. Chef Assistance Program
 - Mounted on heavy duty casters, front two with brakes
 - Cold water connection piped from Water Hardness Filter, Item #C100
- No alternate manufacturers will be accepted for this item.

ITEM #C102 S.S. WALL PANEL(S) – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Stainless steel panels, evenly sized, 20 Gauge
- Installed from top of coved base to underside of hood, entire length
- Hairline joints sealed with S.S. trim strips
- Secured to wall with heat resistant mastic

It is the responsibility of the Kitchen Equipment Contractor to coordinate and make all appropriate cut-outs in paneling based on utility requirements in this location and apply appropriate s.s. trim strips, caps, gussets, etc...

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C103 OVEN, CONVECTION, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model GS/25CCH. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: (2)120/1, NEMA 5-15P
- Gas: 3/4" Rear Connection, 180 MBtuh
- 1 ea. Manifold gas line for double unit
- 1 ea. Pressure regulator
- 2 ea. Solid state digital control with cook & hold and pulse plus
- 1 ea. Stainless steel exterior bottom
- 1 ea. Stainless steel back enclosure
- 1 ea. Extra oven racks
- 1 ea. 36" Quick disconnect with flexible hose
- 1 ea. Restraint cable
- Mounted on heavy duty adjustable casters, front two with brakes

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #C104 FLOOR TROUGH – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model ASFT-1836-FG. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Anti-splash style

- 1 ea. Fiberglass style Micromesh, removable grate, ADA type, gridded fiberglass

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #C105 SPARE NUMBER

ITEM #C106 TILT SKILLET – QTY. AS PER PLAN & SCHEDULE

Cleveland Model SGL30TR. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Gas: 3/4" Rear Connection, 91 MBtuh
- 1 ea. Pressure regulator
- 1 ea. Pan support carrier
- 1 ea. Pull-out sliding sink drawer
- 1 ea. Double pantry faucet
- 1 ea. Spark pilot ignition
- 1 ea. Power tilt with manual override
- 1 ea. Draw-off, 2" tangent
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Groen, Southbend or Approved Equal.

ITEM #C107 KETTLE, STEAM JACKETED – QTY. AS PER PLAN & SCHEDULE

Cleveland Range Model 24GMK10200. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Gas: 3/4" Rear connection, 200 MBtuh
- 1 ea. Pressure regulator
- 1 ea. Tilting kettle accessory kit
- 1 ea. Power lift
- 1 ea. Descaling solution
- Cold water connection piped from Central Filter System, Item #C16

Or as manufactured by Groen, Southbend or Approved Equal.

ITEM #C108 OVEN, PIZZA DECK, GAS – QTY. AS PER PLAN & SCHEDULE

Blodgett Model 911P Triple. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Gas: 3/4" Rear Connection, 81 MBtuh
- 1 ea. Stainless steel draft diverter
- 1 ea. Standard temperature control, FDTH-300-650, per deck
- 1 ea. Triple gas connector
- 1 ea. 48" Quick disconnect with flexible hose
- 1 ea. Restraint cable
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Baker's Pride, Garland or Approved Equal.

ITEM #C109 SPARE NUMBER

ITEM #C110 CHARBROILER, HEAVY DUTY, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model P24C-CC. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Gas: 1" Rear connection, 64 MBtuh
- 1 ea. Pressure regulator
- 1 ea. 24" Stainless steel flue riser
- 1 ea. 48" quick disconnect with flexible hose
- 1 ea. Restraint cable
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #C111 RANGE, HEAVY DUTY, GAS – QTY. AS PER PLAN & SCHEDULE

Southbend Model P36D-XX. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Gas: 1" Rear Connection, 225 MBtuh
- 1 ea. Pressure regulator
- 1 ea. Electronic spark ignition, oven/top base
- 1 ea. Stainless steel rear
- 1 ea. Stainless steel exterior bottom
- 1 ea. 24" High stainless steel riser
- 1 ea. 48" Quick disconnect with flexible hose
- 1 ea. Restraint cable
- Mounted on heavy duty adjustable casters, front two with brakes

Or as manufactured by Vulcan, Garland or Approved Equal.

ITEM #C112 SPARE NUMBER

ITEM #C113 FILLER, KETTLE & POT – QTY. AS PER PLAN & SCHEDULE

Fisher Model 54100. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Vacuum breaker (K.E.C. to verify requirement)
- 1 ea. Wall mount faucet, 1/2" connection
- 1 ea. Wall mount bracket
- All necessary components for proper install and operation

Or as manufactured by Component Hardware, T & S Brass or Approved Equal.

ITEM #C114 OVEN, COOK / HOLD, SMOKE / HOLD – QTY. AS PER PLAN & SCHEDULE

Piper Products Model CS2-5S. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, NEMA 6-15P
- 1 ea. Programmable controls
- 1 ea. Bumper guards
- Mounted on heavy duty casters, front two with brakes

No alternate manufacturers will be accepted for this item.

ITEM #C115 ROTISSERIE, MERCHANDISER – QTY. AS PER PLAN & SCHEDULE

Piper Products Model RO-1. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/208/1, Hardwired
- Provided with 36" Electrical lead by E.C., K.E.C. to coordinate
- 1 ea. Cook/hold controls
- 1 ea. Double pane glass door
- 3 ea. Wire baskets
- 3 ea. Piercing Skewer
- 3 ea. Angled Skewer
- 1 ea. Restraint cable
- Unit to be securely mounted on top of Item #C114
 - Manufacturer approved support frame

No alternate manufacturers will be accepted for this item.

ITEM #C116 EXHAUST HOOD, TYPE I – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 304 stainless steel
- Filters: Stainless steel captrate solo with hook
- Insulation: Integral air / insulation barriers at perimeter and top, 0" clearance to combustibles
- Structural front panel, insulated
- Wall / Island canopy hood, length / size as per contract documents
- 3 ea. Front perforated supply plenum (PSP) with built-in 3" back standoff
- Insulation for PSP housing, as required
- 12 ea. LED light with bulbs
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Adjustable exhaust air volume control damper
- Hood Control Panel Package:
 - EMSplus11 modulating energy management system with smart controls
 - VFDs
 - Duct Temperature Sensors in all risers
 - Room Temperature Sensor
 - Configurable through Touch Screen Interface
 - EMS Duct Thermostat
 - INVERTER DUTY THREE PHASE MOTORS REQUIRED

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C117 SUPPLY PLENUM, MAKE-UP AIR – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C116

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM C118 FIRE PROTECTION SYSTEM, BUILT-IN – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawing in strict accordance to that described in General Specifications. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Provide connection to building Fire Alarm System
- 1 ea. Mechanical Gas valve, up to 3", size to be verified
 - Provide add/ alternate for electric gas valve
- 1 ea. Reset Relay Push Button
 - Only required with use of electric gas valve
- Included as part of Item #C116
- For the protection of equipment beneath Exhaust Hood, Item #C116

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C119 SPARE NUMBER

ITEM #C120 EXHAUST HOOD, CONTROL INTERFACE – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C116

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #C120A EXHAUST HOOD, CONTROL PANEL – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #C116

Or as manufactured by Caddy, Accurex or Approved Equal.

STUDENT SERVERY AREA

ITEM #S1 REFRIGERATOR, ROLL-IN – QTY. AS PER PLAN & SCHEDULE

Norlake Model WR331SSS/0. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration
- 1 ea. Full solid door with locks
- 1 ea. Digital thermometer
- 1 ea. Thermal expansion valve
- 1 ea. Stainless steel interior finish
- 1 ea. Stainless steel exterior finish
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty

Or as manufactured by True Food Service, Beverage Air or Approved Equal.

ITEM #S2 RACK, UNIVERSAL – QTY. AS PER PLAN & SCHEDULE

Channel Mfg. Model AUR-12. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- No additional features, options or accessories required

Or as manufactured by New Age, Lockwood or Approved Equal.

ITEM #S3 HAND SINK, WALL MOUNT – QTY. AS PER PLAN & SCHEDULE

IMC/ Teddy Model WS. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Soap dispenser
- 1 ea. Towel dispenser
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 58564 with 6" swing spout, 1/2" connections
- Wall backing by General Contractor

Or as manufactured by Advance Tabco, Eagle Group/Metal Masters or Approved Equal.

ITEM #S4 FIRE PROTECTION SYSTEM, WALL MNTD. – QTY. AS PER PLAN & SCHEDULE

Ansul Model UL-300 (R-102). Unit to be installed where shown on drawing in strict accordance to that described in General Specifications. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Provide connection to building Fire Alarm System
- 1 ea. Mechanical Gas valve, up to 3", size to be verified
 - Provide add/ alternate for electric gas valve
- 1 ea. Reset Relay Push Button
 - Only required with use of electric gas valve
- For the protection of equipment beneath Exhaust Hood, Item #S9

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #S5 WORK COUNTER W/ SINK – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Top Material: Stainless Steel, 14 Gauge
- 1 ea. Built-in work sink, 20" L x 16" W x 12" D
- 1 ea. S.S. Removable sink bowl cover
 - Stainless steel, 14 Gauge
 - Finger holes, lift-off
 - Flush inlay with work sink/top
 - Integral bracket, under counter, to hold when not in use
- 1 ea. Waste valve with lever, Fisher Mfg. model DrainKing
- 1 ea. Tail piece, Fisher Mfg. model 6129
- 1 ea. Waste overflow, Fisher Mfg.
- 1 ea. Stainless steel Faucet, Fisher Mfg. model 57665 with 12" swing spout, 1/2" connections
- Cabinet/Door to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- Cylinder locks, keyed alike, as required
- Intermediate stainless steel solid shelves, adjustable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S6 OVEN, RAPID COOK – QTY. AS PER PLAN & SCHEDULE

Turbochef Model NGC-1280-1. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, NEMA 6-30P
- 1 ea. Aluminum Paddle
- 1 ea. Bottle of Oven Cleaner
- 1 ea. Bottle of Oven Guard
- 2 ea. Trigger Sprayers
- 2 ea. CrossFilm Model PFS solid basket
- 2 ea. CrossFilm Model PFP perforated basket
- 1 ea. CrossFilm Model JT 9-cup egg tray
- 2 ea. CrossFilm Model GC bowl with lid

Or as manufactured by MerryChef, Practica or Approved Equal.

ITEM #S7 SPARE NUMBER

ITEM #S8 OVEN, CONVEYOR, STACKED – QTY. AS PER PLAN & SCHEDULE

Lincoln Foodservice Products Model 1301/1346. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: (2)208/1, NEMA 6-50P
- 1 ea. Stacking Kit
- 1 ea. Enter tray
- 1 ea. Exit tray

Or as manufactured by Star Mfg., Doyon or Approved Equal.

ITEM #S9 EXHAUST HOOD, TYPE I – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Construction: 100% 304 stainless steel
- Filters: Stainless steel captrate solo with hook
- Insulation: Integral air / insulation barriers at perimeter and top, 0" clearance to combustibles
- Structural front panel, insulated
- Wall / Island canopy hood, length / size as per contract documents
- 1 ea. Front perforated supply plenum (PSP) with built-in 3" back standoff
- Insulation for PSP housing, as required
- 3 ea. LED light with bulbs
- Stainless steel field wrap, approximately 18" high on all exposed sides
- Adjustable exhaust air volume control damper
- Hood Control Panel Package:
 - EMSplus11 modulating energy management system with smart controls
 - VFDs
 - Duct Temperature Sensors in all risers
 - Room Temperature Sensor
 - Configurable through Touch Screen Interface
 - EMS Duct Thermostat
 - INVERTER DUTY THREE PHASE MOTORS REQUIRED

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #S10 SUPPLY PLENUM, MAKE-UP AIR – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #S9

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #S11 S.S. WALL CABINET(S) – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Slanted top
- 1 ea. Stainless steel shelf, adjustable

- 1 ea. Stainless steel bottom shelf, fixed
- 1 ea. Stainless steel enclosed bottom
- Mounting height: 56" above finished floor
- Wall backing by General Contractor

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S12 CABINET, MOBILE, WARM & HOLD – QTY. AS PER PLAN & SCHEDULE

Cres Cor Model H-137-SUA-12D. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Push handle, 1087-101
- 1 ea. Perimeter bumper, 1405-159
- 1 ea. Cord wrap
- Energy Star® Certified
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by F.W.E., Carter Hoffmann or Approved Equal.

ITEM #S13 CABINET, MOBILE, WARM & HOLD – QTY. AS PER PLAN & SCHEDULE

Cres Cor Model H-137-SUA-12D. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Push handle, 1087-101
- 1 ea. Perimeter bumper, 1405-159
- 1 ea. Cord wrap
- Energy Star® Certified
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by F.W.E., Carter Hoffmann or Approved Equal.

ITEM #S14 CONDIMENT COUNTER, SOLID SURFACE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Construction: 3/4" Marine grade millwork
- Counter Top Material: Wilsonart Solid Surface, Yukon Riverstone 9196RS
- Front Panels: Pionite Plastic Laminate, Sable AG021-SD
- End Panels: Pionite Plastic Laminate, Sable AG021-SD
- Cabinet Base:
 - Millwork door panels, (3) concealed hinges per door
 - Routed finger pull with magnetic touch latch
 - Cylinder locks, keyed alike, as required
 - Millwork interior finish with adjustable shelves
- Counter Heights: 34" Counter Top

- Counter Base: Stainless steel legs, 6" adjustable with 16 GA removable kick plate

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S15 REFUSE COUNTER, SOLID SURFACE – QTY. AS PER PLAN & SCHEDULE

- Counter Construction: 3/4" Marine grade millwork
- Counter Top Material: Wilsonart Solid Surface, Yukon Riverstone 9196RS
- Front Panels: Pionite plastic laminate, Sable AG021-SD
- End Panels: Pionite Plastic Laminate, Sable AG021-SD
- Cabinet Base:
 - Millwork door panels, (3) concealed hinges per door
 - Routed finger pull with magnetic touch latch
 - Millwork interior finish with adjustable shelves
- Counter Heights: 42" Counter Top, 34" Counter Top

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S16 SERVING COUNTER, SOLID SURFACE – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Components: Outlets/Junction boxes for drop-in or built-in equipment mounted in counter by K.E.C., wired by E.C.
- Counter Construction: 1" Stainless steel square tubing, fully welded with integral chase wall
- Counter Top Material: Wilsonart Solid Surface, Yukon Riverstone 9196RS
- Front Panels: Pionite Plastic Laminate, Sable AG021-SD
- End Panels: Pionite Plastic Laminate, Sable AG021-SD
- Working Side:
 - Stainless steel interior/exterior
 - Counter/Door to be flush frame design
 - Stainless steel integrated handles, horizontal orientation
 - Cylinder locks, keyed alike, as required
 - Intermediate stainless steel solid shelves, adjustable
 - Stainless steel apron to mount switches, controls, etc.
 - Directional exhaust fan, compressor housing
- Counter Heights: 34" Counter Top
- Counter Base: Stainless steel legs, 6" adjustable with 16 GA removable kick plate

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S17 CASHIER SECTION – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Counter Components: Outlets/Junction boxes for drop-in or built-in equipment mounted in counter by K.E.C., wired by E.C.

- Counter Construction: 1" Stainless steel square tubing, fully welded with integral chase wall
- Counter Top Material: Wilsonart Solid Surface, Yukon Riverstone 9196RS
- Front Panels: Pionite Plastic Laminate, Sable AG021-SD
- End Panels: Pionite Plastic Laminate, Sable AG021-SD
- Working Side:
 - Stainless steel finished interior
 - Stainless steel tubular foot rest, 2" diameter
 - Cord/Plug assembly
 - Quad receptacle mounted in rear panel
 - Locking cash drawer
- Counter Heights: 34" Counter Top

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S18 DROP-IN, HOT / COLD UNIT – QTY. AS PER PLAN & SCHEDULE

LTI Model QSCHP-4-H. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/208/1, NEMA 14-20P
- Verify compressor air flow orientation
- 1 ea. Self-contained refrigeration
- 1 ea. Individually controlled wells for hot or cold
- 1 ea. Controls remote mounted in apron
- 1 ea. Flange style, hugged edge
- 1 ea. Flush food pan presentation
- 1 ea. Manifoldded drain lines to gate/shut-off valve
- Adaptor bars to hold combination of 1/1, 1/2, 1/3 and 1/6 sized pans

No alternate manufacturers will be accepted for this item.

ITEM #S19 FOOD PROTECTOR(S), ADJUSTABLE – QTY. AS PER PLAN & SCHEDULE

Premier Model TM2N-A. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- LED Strip lights mounted to posts, concealed wiring
- LED Light mounting clips for extended lengths, as required
- 1" Tubular stainless steel posts
- Extend 20" above counter top, overall height
- Anchored below to counter frame for rigidity
- Stainless steel sleeve post extends thru counter top
- 3/8" Tempered glass, horizontal/vertical surfaces

Or as manufactured by Versa-Gard, English Mfg. Viper or Approved Equal.

ITEM #S20 DISPLAY CASE, HEATED – QTY. AS PER PLAN & SCHEDULE

Hatco Model GR3SDS-27D. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- 1 ea. Stainless steel body, base and end panels, GR3-SS
- 1 ea. Additional divider rods, 3SD-DIV
- 1 ea. 4" Adjustable legs, 4"LEGS

No alternate manufacturers will be accepted for this item.

ITEM #S21 STORAGE SHELVING, PORTABLE – QTY. AS PER PLAN & SCHEDULE

Focus Model FMPS2448695. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Shelving to be sized to fit
- 4 ea. 24" x 48" Shelves with removable, vented inserts
- 4 ea. 74" High uprights
- Mounted on heavy-duty casters, front two with brakes

Or as manufactured by Eagle Group/Metal Masters, Metro or Approved Equal.

ITEM #S22 DROP-IN, HEATED SHELF – QTY. AS PER PLAN & SCHEDULE

Piper Products Model D36050. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 208/1, NEMA 6-15P
- Maximum temperature, 250° F
- 1 ea. Controls remote mounted in apron
- 1 ea. Thermostatically controlled zones

Or as manufactured by BSI, LLC, LTI or Approved Equal.

ITEM #S23 FOOD PROTECTOR(S), ADJUSTABLE – QTY. AS PER PLAN & SCHEDULE

Premier Model TM2N-A. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- LED Strip lights mounted to posts, concealed wiring
- LED Light mounting clips for extended lengths, as required
- 1" Tubular stainless steel posts
- Extend 20" above counter top, overall height
- Anchored below to counter frame for rigidity
- Stainless steel sleeve post extends thru counter top
- 3/8" Tempered glass, horizontal/vertical surfaces

Or as manufactured by Versa-Gard, English Mfg. Viper or Approved Equal.

ITEM #S24 OVERHEAD HEAT, PROTECTOR MNTD. – QTY. AS PER PLAN & SCHEDULE

Premier Model GRNH-36. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- Concealed wiring thru food protector posts
- 1 ea. Built-in toggle/pilot switch
- 1 ea. Stainless steel housing color
- Mounted in Food Protector, Item #S23
- Mounting option: Stainless steel hanger tabs

Or as manufactured by Versa-Gard, English Mfg. Viper or Approved Equal.

ITEM #S25 DROP-IN, HOT / COLD UNIT – QTY. AS PER PLAN & SCHEDULE

LTI Model QSCHP-2-H. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-20P
- Verify compressor air flow orientation
- 1 ea. Self-contained refrigeration
- 1 ea. Individually controlled wells for hot or cold
- 1 ea. Controls remote mounted in apron
- 1 ea. Flange style, hugged edge
- 1 ea. Flush food pan presentation
- 1 ea. Manifoldded drain lines to gate/shut-off valve
- Adaptor bars to hold combination of 1/1, 1/2, 1/3 and 1/6 sized pans

No alternate manufacturers will be accepted for this item.

ITEM #S26 FOOD PROTECTOR(S), ADJUSTABLE – QTY. AS PER PLAN & SCHEDULE

Premier Model TM2N-A. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- LED Strip lights mounted to posts, concealed wiring
- LED Light mounting clips for extended lengths, as required
- 1" Tubular stainless steel posts
- Extend 20" above counter top, overall height
- Anchored below to counter frame for rigidity
- Stainless steel sleeve post extends thru counter top
- 3/8" Tempered glass, horizontal/vertical surfaces

Or as manufactured by Versa-Gard, English Mfg. Viper or Approved Equal.

ITEM #S27 REFRIGERATOR, SANDWICH / SALD PREP. – QTY. AS PER PLAN & SCHEDULE

True Food Service Model TSSU-60-24M-B-ST. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, NEMA 5-15P
- Verify door hinging
- 1 ea. Self-contained refrigeration, front breathing
- 2 ea. Barrel locks
- 1 ea. Composite cutting board
- 1 ea. Pan dividers
- 1 ea. Digital thermometer, external
- 1 ea. Removable cover
- 1 ea. Three year parts warranty
- 1 ea. Three year labor warranty
- Mounted on heavy duty casters, front two with brakes

Or as manufactured by Norlake, Beverage Air or Approved Equal.

ITEM #S28 SPARE NUMBER

ITEM #S29 FOOD PROTECTOR(S), ADJUSTABLE – QTY. AS PER PLAN & SCHEDULE

Premier Model TM2N-A. Size, shape and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/1, Hardwired
- LED Strip lights mounted to posts, concealed wiring
- LED Light mounting clips for extended lengths, as required
- 1" Tubular stainless steel posts
- Extend 20" above counter top, overall height
- Anchored below to counter frame for rigidity
- Stainless steel sleeve post extends thru counter top
- 3/8" Tempered glass, horizontal/vertical surfaces

Or as manufactured by Versa-Gard, English Mfg. Viper or Approved Equal.

ITEM #S30 WORK DRAWER(S), 3-TIER – QTY. AS PER PLAN & SCHEDULE

EMI New Jersey Model Custom. Size, shape, and installed where shown on drawing. This is a fabricated item and is to be constructed as described in General Specifications and as further detailed on contract drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Built into Item #S16, Work Table
- Cabinet/Drawer to be flush frame design
- Stainless steel integrated handles, horizontal orientation
- 3 ea. Self-closing drawer
- 3 ea. Drawer safety stop
- 3 ea. Stainless steel pan insert, full size removable

Or as manufactured by Aero Mfg., South Jersey Metal or Approved Equal.

ITEM #S31 SELF SERVE CASE, REFRIGERATED – QTY. AS PER PLAN & SCHEDULE

ASDI Model FM-SC-48. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/208/1, NEMA L14-30P
- 1 ea. Self-contained refrigeration
- 1 ea. Interior LED lighting per shelf, 3000K
- 1 ea. Sound reduction package
- 1 ea. Roll down security shutter with lock, recessed
- 1 ea. #4 Finish stainless steel exterior finish
- 1 ea. #4 Finish stainless steel louver / access panel
- 1 ea. #4 Finish stainless steel perforated back panel
- 1 ea. Mirrored polished interior ends
- 1 ea. Rear loading doors

Or as manufactured by Structural Concepts, RPI Industries or Approved Equal.

ITEM #S32 SELF SERVE CASE, REFRIGERATED – QTY. AS PER PLAN & SCHEDULE

ASDI Model FM-SC-48. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Electrical: 120/208/1, NEMA L14-30P
- 1 ea. Self-contained refrigeration
- 1 ea. Interior LED lighting per shelf, 3000K
- 1 ea. Sound reduction package
- 1 ea. Roll down security shutter with lock, recessed
- 1 ea. #4 Finish stainless steel exterior finish
- 1 ea. #4 Finish stainless steel louver / access panel
- 1 ea. #4 Finish stainless steel perforated back panel
- 1 ea. Mirrored polished interior ends
- 1 ea. Rear loading doors

Or as manufactured by Structural Concepts, RPI Industries or Approved Equal.

ITEM #S33 EXHAUST HOOD, CONTROL PANEL – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #S9

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #S34 EXHAUST HOOD, CONTROL INTERFACE – QTY. AS PER PLAN & SCHEDULE

Captive Aire Model Custom. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- Included as part of Item #S9

Or as manufactured by Caddy, Accurex or Approved Equal.

ITEM #S35 SPARE NUMBER

ITEM #S36 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model 1971258. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. 16 Gallon capacity
- 1 ea. Portable dolly
- 1 ea. Tuffmode Polyliner Bags

No alternate manufacturers will be accepted for this item.

ITEM #S37 TRASH RECEPTACLE – QTY. AS PER PLAN & SCHEDULE

Rubbermaid Model FG352600GRAY. Unit to be installed where shown on drawings. Provided with all features, options and accessories, per quantity required, as indicated:

- 1 ea. Portable dolly, FG353000BLA
- 1 ea. Tuffmade Polyliner Bags, FG501688GRAY
- 1 ea. Removable lid, FG352700

No alternate manufacturers will be accepted for this item.

PART 3 - EXECUTION

3.1 GENERAL RELATED CONDITIONS

- A. In each item of equipment hereinafter specified under the "Equipment Schedule," these specifications shall only identify each respective item by name and number, as well as list various component parts provided for same.
- B. Therefore, it shall be intended that these respective items and their component parts shall be of material (mounted where applicable) constructed and furnished in strict accordance to that described in the general specifications for these items and integrally constructed where applicable.
- C. It shall also be intended that where buy-out (pre-fabricated) items are specified, same shall be definitely furnished with all the accessories as normally furnished by manufacturer for these items. Also in strict accordance with current manufacturer's engineering data sheet for each respective item.

3.2 EXAMINATION OF PLANS AND SPECIFICATIONS

- A. Prospective bidders for this work must examine these plans and specifications carefully before bidding, and must request from Architect in writing for an interpretation or correction of every apparent ambiguity, inconsistency or error therein. If necessary, such interpretation or correction shall be issued in writing as an addendum. No calls will be accepted.

3.3 SPECIAL NOTES

- A. It shall be the responsibility of Kitchen Equipment Contractor to keep up to date with progress made in field on installation of all necessary roughing to adequately and properly operate and

accommodate all equipment furnished by Kitchen Equipment Contractor and as shown on drawings, to make as many visits to the job site as is necessary to check and assure that all roughing is being properly installed to accommodate this equipment. Include this service in bid.

- B. Kitchen Equipment Contractor to cooperate with all trades so that the end results of his work will be a satisfactory, approved and accepted installation. Written reports of each visit shall be sent promptly to the Architect and the Food Service Consultant.

3.4 COORDINATION

- A. Procedure of construction is of paramount importance in executions of this project. Kitchen Equipment Contractor to carry on his work so that no delay in his operations or those of any other contractors occurs at any time.
- B. Kitchen Equipment Contractor to verify with Architect as to opening date of the food service area, and schedule his fabrication and purchasing of equipment so that all will be in readiness, installed, connected, tested, demonstrated, etc., in ample time prior to the scheduled opening date.

3.5 DELIVERY AND INSTALLATION

- A. Shall mean and intend that Kitchen Equipment Contractor shall deliver and assemble all equipment of contract in 1 piece in required locations in building, ready for water, waste, gas, electric and ventilating connections required by other contractors. Any pieces of equipment may be delivered sectionally, but all working surfaces butt-welded, ground and polished on premises so that upon completion, such item of equipment will have true, smooth, even and continuous surfaces. Butt joining and filling with solder not permitted. Kitchen Equipment Contractor must verify door sizes, delivery platform, elevator size, etc., effecting delivery to food service areas for all items of equipment.

3.6 RESERVATIONS AND CONDITIONS

- A. It is the intent of this specification to complete the installation of all equipment covered herein in all phases ready for operation. Contractor shall carefully examine the plans and specifications for building construction contracts and determine therefrom the extent of his operations in all respects. All labor and materials not included in building construction contracts necessary to accomplish this intent are hereby included in this contract.
- B. Kitchen Equipment Contractor shall attend job meetings when required for purpose of coordinating his work with other trades.
- C. All equipment shall be received at the building fully protected. It will be the responsibility of the Kitchen Equipment Contractor to protect the equipment until completely installed and accepted.

3.7 NOT APPLICABLE

END OF SECTION