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August 11, 2023

ADDENDUM NO. 1  
City of Madison, Engineering Division

CONTRACT NO. 8595  
MADISON PUBLIC MARKET

This addendum is issued to modify, explain or correct the original Drawings, Specifications, or Contract Documents marked as **Madison Public Market, Contract #8595, as issued on July 20, 2023** and is hereby made a part of the contract documents.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on Bid Express at <https://www.bidexpress.com/> and the City of Madison web site at <http://www.cityofmadison.com/business/PW/contracts/openforBid.cfm>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at (608) 266-4751 to receive the material by another method.

For questions regarding this bid, contact:

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Sincerely,

*Bryan Cooper*

For:

James M. Wolfe, P.E.  
City Engineer



This addendum modifies the following documents:

1. 8595 Contract.pdf
  - A. Page A-1
2. Exhibit-A\_drawings.pdf
  - A. C000 "GENERAL NOTES"
  - B. C101 "DEMOLITION PLAN:"
3. Exhibit-C\_specifications\_volume2.pdf
  - A. 07 53 23 EPDM Roofing
  - B. 11 40 00 Food Service Equipment

Please attach these Addendum documents to the Drawings and Project manual in your possession.

#### 1. GENERAL CONTRACT CONDITIONS

A. Revise the following sections as stated below:

- i. Page A-1: Section A: Instructions to Bidders
  - (1) REQUEST FOR SUBSTITUTIONS:

All requestors shall review Specification 00 43 25 Substitution Request Form (During Bidding) prior to submitting their substitution request. The deadline for receiving substitution requests shall be 5:00 PM on Friday, August 25, 2023. No additional substitution requests will be received after this deadline.

- ii. Page A-1: Section A: Instructions to Bidders
  - (1) QUESTIONS AND CLARIFICATIONS:

Any questions or requests for clarifications regarding plans and specifications shall be submitted directly to the Project Architect and the City Project Managers via email.

See the contract information at the end of Section D-Special Provisions for names and email addresses.

Emails shall have "Contract 8595 – Request for Questions and Clarifications" in the subject line. The deadline for receiving questions and clarifications shall be 5:00 PM on Friday, August 25, 2023. No additional questions or requests for clarifications will be received after this deadline.

All responses shall be published in the form of an addendum.

#### 2. GENERAL QUESTIONS AND ANSWERS

A. No change

#### 3. ACCEPTABLE EQUIVALENTS

- A. The following specifications have been updated with ACCEPTABLE EQUIVALENTS information. See section 4. SPECIFICATIONS of this document for more information.
  - i. 07 53 23 EPDM Roofing

#### 4. SPECIFICATIONS

A. Replace the following sections with the attached updated sections.

- i. 07 53 23 EPDM Roofing
  - (1) Part 2.1 "MANUFACTURERS", alternate manufacturers have been removed to reflect need to maintain existing roof manufacturer for warranty continuation.



ii. 11 40 00 Food Service Equipment

(1) Part 4 "ITEM SPECIFICATIONS" Has been updated to correct discrepancies with FS drawings and schedules on FS101 and FS401.

(a) Item 2 size and quantities have been revised

(b) Item 16 size and quantities have been revised

(c) Item 20 quantities have been revised

(d) Item 25 quantities have been revised

(e) "Convection Oven" noted as item 58 in drawings is corrected to be listed as Item 58 in specifications.

5. DRAWINGS

A. Replace the following sheets with the attached updated sheets.

i. C000 "GENERAL NOTES"

(1) Note 17 added.

ii. C101 "DEMOLITION PLAN"

(1) Added Plan Notation RE: Monitoring Well Decommissioning.

6. PROPOSAL

A. No Change

SECTION 07 53 23

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**ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING**

- PART 1 – GENERAL
  - 1.1 RELATED DOCUMENTS
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  - 3.1 EXAMINATION
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  - 3.3 ROOFING INSTALLATION, GENERAL
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  - 3.8 FIELD QUALITY CONTROL
  - 3.9 PROTECTING AND CLEANING

**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 SUMMARY**

- A. Section Includes:
  - 1. Roof system application at plaza pavers on pedestals system on composite concrete/metal deck substrate.
  - 2. Roof system application at PV system and rack on metal deck substrate.
  - 3. Adhered ethylene-propylene-diene-monomer (EPDM) roofing system (**ROOF-1**).
  - 4. Cover board
  - 5. Roof insulation.
  - 6. Thermal barrier.
  - 7. Vapor Barrier.
- B. Related Requirements:
  - 1. Section 01 81 13.14 "Sustainable Design Requirements" for submittal and product requirements.
  - 2. Section 06 10 00 "Rough Carpentry" for wood nailers, curbs, and blocking.
  - 3. Section 070150.19 "Preparation for Reroofing" for protection of and repair of warranted existing roofing.

- 1 4. Section 07 62 00 "Sheet Metal Flashing and Trim" for metal roof flashings and counterflashings.
- 2 5. Section 07 92 00 "Joint Sealants" for joint sealants, joint fillers, and joint preparation.
- 3 6. Section 22 14 23 "Storm Drainage Piping Specialties" for roof drains.
- 4 7. Section 26 31 00 "Photovoltaic System Performance Requirements" for PV racking system.

5 **1.3 DEFINITIONS**

- 6 A. Roofing Terminology: Definitions in ASTM D 1079 and glossary of NRCA's "The NRCA Roofing and
- 7 Waterproofing Manual" apply to work of this Section.
- 8 B. Sheet Metal Terminology and Techniques: SMACNA Architectural Sheet Metal Manual.

9 **1.4 SYSTEM DESCRIPTION (ROOF-1)**

- 10 A. Basis of Design: Roof system over steel structural deck is composed of two layers of Firestone ISO 95+ GL
- 11 fully adhered insulation over thermal barrier installed as an air barrier, one layer of Firestone ISOGARD HD
- 12 cover board, Firestone fully adhered 90-mil RubberGard Platinum EPDM. 30-year Firestone Platinum
- 13 Warranty provided.
- 14 B. Basis of Design: Roof system for work required and repair of existing warranted roof. Refer to Section
- 15 070150.19 - Preparation for Reroofing.
- 16 1. PV panels on racking system anchored to existing roof assembly where scheduled.

17 **1.5 PREINSTALLATION MEETINGS**

- 18 A. Preliminary Roofing Conference: Before starting roof deck construction, conduct conference at Project site.
- 19 1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency
- 20 representative, roofing Installer, roofing system manufacturer's representative, deck Installer, and
- 21 installers whose work interfaces with or affects roofing, including installers of roof accessories and
- 22 roof-mounted equipment.
- 23 2. Review methods and procedures related to roofing installation, including manufacturer's written
- 24 instructions.
- 25 3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel,
- 26 equipment, and facilities needed to make progress and avoid delays.
- 27 4. Examine deck substrate conditions and finishes for compliance with requirements, including flatness
- 28 and fastening.
- 29 5. Review structural loading limitations of roof deck during and after roofing.
- 30 6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs,
- 31 and condition of other construction that affects roofing system.
- 32 7. Review governing regulations and requirements for insurance and certificates if applicable.
- 33 8. Review temporary protection requirements for roofing system during and after installation.
- 34 9. Review roof observation and repair procedures after roofing installation.
- 35 B. Preinstallation Roofing Conference: Conduct conference at Project site.
- 36 1. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency
- 37 representative, roofing Installer, roofing system manufacturer's representative, deck Installer, and
- 38 installers whose work interfaces with or affects roofing, including installers of roof accessories and
- 39 roof-mounted equipment.
- 40 2. Review methods and procedures related to roofing installation, including manufacturer's written
- 41 instructions.
- 42 3. Review and finalize construction schedule, and verify availability of materials, Installer's personnel,
- 43 equipment, and facilities needed to make progress and avoid delays.
- 44 4. Examine deck substrate conditions and finishes for compliance with requirements, including flatness
- 45 and fastening.
- 46 5. Review structural loading limitations of roof deck during and after roofing.
- 47 6. Review base flashings, special roofing details, roof drainage, roof penetrations, equipment curbs,
- 48 and condition of other construction that affects roofing system.
- 49 7. Review governing regulations and requirements for insurance and certificates if applicable.
- 50 8. Review temporary protection requirements for roofing system during and after installation.
- 51 9. Review roof observation and repair procedures after roofing installation.
- 52

- 1 **1.6 ACTION SUBMITTALS**  
2 A. Product Data: For each type of product.  
3 B. LEED Submittals:  
4 1. Product Data for Credit IEQ 4.1: For adhesives and sealants used inside the weatherproofing system,  
5 documentation including printed statement of VOC content.  
6 2. Building Life-Cycle Impact Reduction Statement for insulation and membrane.  
7 3. Building Product Disclosures – EPDs 3rd party statement for insulation and membrane..  
8 C. Shop Drawings: For roofing system. Include plans, elevations, sections, details, and attachments to other  
9 work, including:  
10 1. Base flashings and membrane terminations.  
11 2. Roof plan showing orientation of steel roof deck and orientation of roofing and fastening spacings  
12 and patterns for mechanically fastened roofing.  
13 3. Insulation fastening patterns for corner, perimeter, and field-of-roof locations.

- 14 **1.7 INFORMATIONAL SUBMITTALS**  
15 A. Qualification Data: For Installer and manufacturer.  
16 B. Manufacturer Certificates: Signed by roofing manufacturer certifying that roofing system complies with  
17 requirements specified in "Performance Requirements" Article.  
18 1. Submit evidence of complying with performance requirements.  
19 C. Product Test Reports: For components of roofing system, tests performed by manufacturer and witnessed  
20 by a qualified testing agency.  
21 D. Research/Evaluation Reports: For components of roofing system, from ICC-ES.  
22 E. Product Test Reports: For components of roofing system, tests performed by manufacturer and witnessed  
23 by a qualified testing agency.  
24 F. Field quality-control reports.  
25 G. Sample Warranties: For manufacturer's special warranties.

- 26 **1.8 CLOSEOUT SUBMITTALS**  
27 A. Maintenance Data: For roofing system to include in maintenance manuals.

- 28 **1.9 QUALITY ASSURANCE**  
29 A. Manufacturer Qualifications: A qualified manufacturer that is UL listed for roofing system identical to that  
30 used for this Project.  
31 B. Installer Qualifications: A qualified firm that is approved, authorized, or licensed by roofing system  
32 manufacturer to install manufacturer's product and that is eligible to receive manufacturer's special warranty.

- 33 **1.10 DELIVERY, STORAGE, AND HANDLING**  
34 A. Deliver roofing materials to Project site in original containers with seals unbroken and labeled with  
35 manufacturer's name, product brand name and type, date of manufacture, approval or listing agency  
36 markings, and directions for storing and mixing with other components.  
37 B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within  
38 the temperature range required by roofing system manufacturer. Protect stored liquid material from direct  
39 sunlight.  
40 1. Discard and legally dispose of liquid material that cannot be applied within its stated shelf life.  
41 C. Protect roof insulation materials from physical damage and from deterioration by sunlight, moisture, soiling,  
42 and other sources. Store in a dry location. Comply with insulation manufacturer's written instructions for  
43 handling, storing, and protecting during installation.  
44 D. Handle and store roofing materials, and place equipment in a manner to avoid permanent deflection of deck.

- 45 **1.11 FIELD CONDITIONS**  
46 A. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit  
47 roofing system to be installed according to manufacturer's written instructions and warranty requirements.  
48

1 **1.12 WARRANTY**

- 2 A. Special Warranty: Manufacturer agrees to repair or replace components of roofing system that fail in  
3 materials or workmanship within specified warranty period.  
4 1. Special warranty includes membrane roofing, base flashings, roof insulation, fasteners, cover boards,  
5 roofing accessories, and other components of roofing system.  
6 2. Warranty shall cover damage to roof membrane by installation of approved plaza deck and PV array  
7 components.  
8 3. Warranty Period: 30 years NDL from date of Substantial Completion.

9 **PART 2 - PRODUCTS**

10 **2.1 MANUFACTURERS**

- 11 A. Source Limitations: Obtain components including roof insulation fasteners for roofing system from same  
12 manufacturer as membrane roofing or manufacturer approved by membrane roofing manufacturer.  
13 B. Basis-of-Design Product: Subject to compliance with requirements, provide Firestone Building Products. ~~or~~  
14 ~~comparable product by one of the following:~~  
15 ~~1. Carlisle Golden Seal Total Roofing System as manufactured by Carlisle Syntec Systems.~~  
16 ~~2. Others as approved equals by Architect prior to Bid Solicitation.~~

17 **(Addendum 1 dated 08/10/2023)**

18 **2.2 PERFORMANCE REQUIREMENTS (ROOF-1)**

- 19 A. General Performance: Installed roofing and base flashings shall withstand specified uplift pressures,  
20 thermally induced movement, and exposure to weather without failure due to defective manufacture,  
21 fabrication, installation, or other defects in construction. Roofing and base flashings shall remain watertight.  
22 1. Accelerated Weathering: Roofing system shall withstand 2000 hours of exposure when tested  
23 according to ASTM G 152, ASTM G 154, or ASTM G 155.  
24 2. Impact Resistance: Roofing system shall resist impact damage when tested according to ASTM D  
25 3746 or ASTM D 4272.  
26 B. Material Compatibility: Roofing materials shall be compatible with one another and adjacent materials under  
27 conditions of service and application required, as demonstrated by roofing manufacturer based on testing  
28 and field experience.  
29 C. Roofing System Design: Tested by a qualified testing agency to resist the following uplift pressures:  
30 1. Corner Uplift Pressure: 120 lbf/sq. ft.  
31 2. Perimeter Uplift Pressure: 90 lbf/sq. ft.  
32 3. Field-of-Roof Uplift Pressure: 60 lbf/sq. ft.  
33 D. Energy Star Listing: Roofing system shall be listed on the DOE's ENERGY STAR "Roof Products Qualified  
34 Product List" for low-slope roof products.  
35 E. Exterior Fire-Test Exposure: ASTM E 108 or UL 790, Class A; for application and roof slopes indicated;  
36 testing by a qualified testing agency. Identify products with appropriate markings of applicable testing  
37 agency.  
38

2.3 EPDM ROOFING (EPDM-1)

- A. EPDM: ASTM D 4637, Type I, nonreinforced, uniform, flexible EPDM sheet.  
 1. Thickness: 90 mils, nominal.  
 2. Exposed Face Color: Black.

Physical Properties:	ASTM Standard	Units	Performance Minimum	Typical Values 90 mil
<i>Tensile Strength, minimum</i>	D 412 (Die C) D 826 (Modified)	Psi (MPa) Lbf/in (kN/m)	1305 (9.0) 51 ( 9)	1425 (9.8)
<i>Factory Seam Strength, minimum</i>	D 412 (Die C) D 624 (Die C)	---	Sheet Failure 300%	Sheet Failure 450%
<i>Elongation, minimum</i>	D 2240	%	150 (26.3)	200 (35.0)
<i>Tear Resistance, minimum</i>	D 1149	Lbf/in (kN/m)	65 ± 10	62
<i>Shore A Durometer</i>	---	---	No Cracks	No Cracks
<i>Ozone Resistance</i>	D 573	---	---	---
<i>7 days/100 pphm @ 100 °F (37.8 °C) with 50% extension</i>	D 412 (Die C) D 412 (Die C) D 624 (Die C)	Psi (MPa) % Lbf/in (kN/m)	1205 (8.3) 200% 125 (21.9)	1415 (9.7) 290% 180 (31.5)
<i>Heat Aging 28 days at 240 °F (116 °C)</i>	D 1204	---	±1.0	<1.0
<i>Tensile Strength Elongation</i>	D 2137	°F(°C) ±	-49 (-45) +8, -2	-63 (-53) +1.73
<i>Tear Resistance Linear Dimensional Change, maximum, %</i>	D 471 E 96	±	2.0	+1.93
<i>Brittleness Temperature</i>	---	±	±10	±10
<i>Water Resistance Change in Weight after Immersion 7 days @ 150 °F (65.6 °C), %</i>	D 412	---	---	---

- B. Recycling:
1. Contractor shall divert all of the following materials from disposal at the landfill
    - a. Metals including edge metal, copings, counter flashings, expansion /control joint covers, and all non-contaminated metal pails.
    - b. Plastics, including packaging materials, pails, and containers
    - c. Cardboard, including packaging materials and roll cores
    - d. Wood, including demolished nailers, demolished plywood, demolished wood plank decking, damaged pallets, and new wood or plywood scrap and pieces
  2. Contractor shall package the debris as required by the recycler
  3. Contractor shall transport the debris to approved recyclers.
  4. Pallets in a condition to be reused shall not be land filled.
  5. Metal or plastic pails and containers that are contaminated with adhesive, mastic, coatings, and similar materials are excluded.

1 **2.4 AUXILIARY ROOFING MATERIALS**

- 2 A. General: Auxiliary materials recommended by roofing system manufacturer for intended use and compatible  
3 with roofing.  
4 1. Liquid-type auxiliary materials shall comply with VOC limits of authorities having jurisdiction.  
5 2. Adhesives and sealants that are not on the exterior side of weather barrier shall comply with the  
6 following limits for VOC content:  
7 a. Plastic Foam Adhesives: 50 g/L.  
8 b. Single-Ply Roof Membrane Adhesives: 250 g/L.  
9 c. Single-Ply Roof Membrane Sealants: 450 g/L.  
10 d. Nonmembrane Roof Sealants: 300 g/L.  
11 e. Sealant Primers for Nonporous Substrates: 250 g/L.  
12 f. Sealant Primers for Porous Substrates: 775 g/L.  
13 g. Other Adhesives and Sealants: 250 g/L.  
14 B. Sheet Flashing: 60-mil-thick EPDM, partially cured or cured, according to application.  
15 C. Protection Sheet: Epichlorohydrin or neoprene nonreinforced flexible sheet, 55- to 60-mil- thick,  
16 recommended by EPDM manufacturer for resistance to hydrocarbons, non-aromatic solvents, grease, and  
17 oil.  
18 D. Bonding Adhesive: Manufacturer's standard, water based.  
19 E. Seaming Material: Manufacturer's standard, synthetic-rubber polymer primer and 5-inch-wide minimum,  
20 butyl splice tape with release film.  
21 F. Lap Sealant: Manufacturer's standard, single-component sealant, colored to match membrane roofing.  
22 G. Metal Termination Bars: Manufacturer's standard, predrilled stainless-steel or aluminum bars, approximately  
23 1 by 1/8 inch thick; with anchors.  
24 H. Metal Battens: Manufacturer's standard, aluminum-zinc-alloy-coated or zinc-coated steel sheet,  
25 approximately 1 inch wide by 0.05 inch thick, pre-punched.  
26 I. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance  
27 provisions in FM Global 4470, designed for fastening membrane to substrate, and acceptable to roofing  
28 system manufacturer.  
29 J. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, molded  
30 pipe boot flashings, preformed inside and outside corner sheet flashings, reinforced EPDM securement  
31 strips, T-joint covers, in-seam sealants, termination reglets, cover strips, and other accessories.  
32 K. PV Racking Roof Anchor:  
33 1. Product: U-Anchor 2000 Single Ply as manufactured by Anchor products:  
34 2. Description: An integrated solution for fully adhered single ply membrane applications, consisting of  
35 an encapsulated U-Anchor plate with a 3/8 inch-16 S.S. fused to a 16 inches X16 inches membrane  
36 target. The target is welded to a fully adhered roof membrane. The Target shall be made from the  
37 same brand as the roofing material. Provide color to match roof membrane.

38 **2.5 ROOF INSULATION (INSUL-4)**

- 39 A. General: Preformed roof insulation boards manufactured or approved by EPDM roofing manufacturer,  
40 selected from manufacturer's standard sizes suitable for application, of thicknesses indicated.  
41 B. Polyisocyanurate Board Insulation: ASTM C 1289, Type II, Class 1, Grade 2, felt or glass-fiber mat facer on  
42 both major surfaces.  
43 1. Basis-of-Design Product: Subject to compliance with requirements, provide Firestone Building  
44 Products Firestone ISO 95+ GL with fiberglass facer for fully adhered assembly or comparable  
45 product.  
46 C. Polyisocyanurate Cover Board: ASTM C 1289, Type II, Class 1, Grade 3.  
47 1. Basis-of-Design Product: Subject to compliance with requirements, provide Firestone Building  
48 Products ISOGARD HD or comparable product.  
49 D. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for  
50 sloping to drain. Fabricate to slopes indicated.  
51

- 1 **2.6 SUBSTRATE BOARD (THERMAL BARRIER AT STEEL DECK) (SHTG-1)**  
2 A. Substrate Board: ASTM C 1177/C 1177M, glass-mat, water-resistant gypsum board or  
3 ASTM C 1278/C 1278M, fiber-reinforced gypsum board.  
4 1. Thickness: 1/2 inch (13 mm).  
5 2. Surface Finish: Factory primed.  
6 3. Products: Subject to compliance with requirements, provide one of the following:  
7 a. CertainTeed Corporation; GlasRoc Sheathing Type X.  
8 b. Georgia-Pacific Corporation; Dens Deck DuraGuard.  
9 c. National Gypsum Company; Gold Bond eXP Extended Exposure Sheathing.  
10 d. USG Corporation; Securock Glass Mat Roof Board.  
11 B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance  
12 provisions in FM Approvals 4470, designed for fastening substrate panel to roof deck.  
13 C. Sealant and Flashing Tape: Installation accessories to provide a continuous plane of air/vapor barrier.  
14 D. Air Barrier Accessories: Tape, sealants and coated fabric to establish an air barrier at the top surface of the  
15 thermal barrier which is continuous with building AVB system.

- 16 **2.8 INSULATION ACCESSORIES**  
17 A. General: Roof insulation accessories recommended by insulation manufacturer for intended use and  
18 compatibility with roofing.  
19 B. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance  
20 provisions in FM Global 4470, designed for fastening roof insulation to substrate, and acceptable to roofing  
21 system manufacturer.  
22 C. Insulation Adhesive: Insulation manufacturer's recommended adhesive formulated to attach roof insulation  
23 and cover board to another insulation layer as follows:  
24 1. Full-spread spray-applied, low-rise, two-component urethane adhesive.  
25 D. Protection Mat: Woven or nonwoven polypropylene, polyolefin, or polyester fabric, water permeable and  
26 resistant to UV degradation, type and weight as recommended by roofing system manufacturer for  
27 application.

28 **PART 3 - EXECUTION**

- 29 **3.1 EXAMINATION**  
30 A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and  
31 other conditions affecting performance of the Work:  
32 1. Verify that roof openings and penetrations are in place, curbs are set and braced, and roof-drain  
33 bodies are securely clamped in place.  
34 2. Verify that wood blocking, curbs, and nailers are securely anchored to roof deck at penetrations and  
35 terminations and that nailers match thicknesses of insulation.  
36 B. Proceed with installation only after unsatisfactory conditions have been corrected.  
37 C. Steel Roof Deck:  
38 1. Verify that surface plane flatness and fastening of steel roof deck complies with requirements in  
39 Section 053123 "Steel Roof Decking".  
40 E. Proceed with installation only after unsatisfactory conditions have been corrected.

- 41 **3.2 PREPARATION**  
42 A. Clean substrate of dust, debris, moisture, and other substances detrimental to roofing installation according  
43 to roofing system manufacturer's written instructions. Remove sharp projections.  
44 B. Prevent materials from entering and clogging roof drains and conductors and from spilling or migrating onto  
45 surfaces of other construction. Remove roof-drain plugs when no work is taking place or when rain is  
46 forecast.

- 47 **3.3 ROOFING INSTALLATION, GENERAL**  
48 A. Install roofing system according to roofing system manufacturer's written instructions.  
49 B. Complete terminations and base flashings and provide temporary seals to prevent water from entering  
50 completed sections of roofing system at the end of the workday or when rain is forecast. Remove and discard  
51 temporary seals before beginning work on adjoining roofing.

- 1 **3.4 SUBSTRATE BOARD INSTALLATION (STEEL DECK)**  
2 A. Install underlayment board with long joints in continuous straight lines, with end joints staggered not less  
3 than 24 inches (610 mm) in adjacent rows.  
4 1. At steel roof decks, install underlayment board at right angle to flutes of deck.  
5 a. Locate end joints over crests of steel roof deck.  
6 2. Tightly butt substrate boards together.  
7 3. Cut substrate board to fit tight around penetrations and projections, and to fit tight to intersecting  
8 sloping roof decks.  
9 4. Fasten substrate board to top flanges of steel deck according to recommendations in FM Global's  
10 "RoofNav" and FM Global Loss Prevention Data Sheet 1-29 for specified Windstorm Resistance  
11 Classification.  
12 5. Continuously seal side and end joints with tape.  
13 6. Completely seal substrate boards at terminations, obstructions, and penetrations to prevent air and  
14 moisture vapor movement into roofing system.  
15 B. Air Barrier: Install thermal barrier with tape, sealants and coated fabric to establish an air barrier at the top  
16 surface for the thermal barrier continuous with building AVB system.

- 17 **3.6 INSULATION INSTALLATION**  
18 A. Coordinate installing roofing system components so insulation is not exposed to precipitation or left exposed  
19 at the end of the workday.  
20 B. Comply with roofing system and insulation manufacturer's written instructions for installing roof insulation.  
21 C. Install tapered insulation under area of roofing to conform to slopes indicated.  
22 D. Install insulation under area of roofing to achieve required thickness. Where overall insulation thickness is  
23 2.7 inches or greater, install two or more layers with joints of each succeeding layer staggered from joints of  
24 previous layer a minimum of 6 inches in each direction.  
25 E. Trim surface of insulation where necessary at roof drains so completed surface is flush and does not restrict  
26 flow of water.  
27 F. Install insulation with long joints of insulation in a continuous straight line with end joints staggered between  
28 rows, abutting edges and ends between boards. Fill gaps exceeding 1/4 inch with insulation.  
29 1. Cut and fit insulation within 1/4 inch of nailers, projections, and penetrations.  
30 G. Install cover boards over insulation with long joints in continuous straight lines with end joints staggered  
31 between rows. Offset joints of insulation below a minimum of 6 inches in each direction. Loosely butt cover  
32 boards together adhere to insulation.  
33 1. Fasten cover boards to resist uplift pressure at corners, perimeter, and field of roof.  
34 2. Set each layer of insulation in ribbons of bead-applied insulation adhesive, firmly pressing and  
35 maintaining insulation in place.  
36 3. Set each layer of insulation in a uniform coverage of full-spread insulation adhesive, firmly pressing  
37 and maintaining insulation in place.

- 38 **3.7 ADHERED MEMBRANE ROOFING INSTALLATION**  
39 A. Adhere roofing over area to receive roofing according to membrane roofing system manufacturer's written  
40 instructions. Unroll membrane roofing and allow to relax before installing.  
41 B. Start installation of roofing in presence of roofing system manufacturer's technical personnel.  
42 C. Accurately align roofing, and maintain uniform side and end laps of minimum dimensions required by  
43 manufacturer. Stagger end laps.  
44 D. Bonding Adhesive: Apply to substrate and underside of roofing at rate required by manufacturer, and allow  
45 to partially dry before installing roofing. Do not apply to splice area of roofing.  
46 E. In addition to adhering, mechanically fasten roofing securely at terminations, penetrations, and perimeters.  
47 F. Apply roofing with side laps shingled with slope of roof deck where possible.  
48 G. Tape Seam Installation: Clean and prime both faces of splice areas, apply splice tape, and firmly roll side  
49 and end laps of overlapping roofing according to manufacturer's written instructions to ensure a watertight  
50 seam installation. Apply lap sealant and seal exposed edges of roofing terminations.  
51 1. Basis of Design: 3 inches QuickSeam™ Splice Tape and 5 inches QuickSeam Flashing OR 6 inches  
52 QuickSeam Splice Tape in side and end laps. QuickSeam Joint Covers are required at all joints and  
53 at angle changes 1:12 or greater.  
54 H. Repair tears, voids, and lapped seams in roofing that do not comply with requirements.  
55 I. Spread sealant or mastic bed over deck-drain flange at roof drains, and securely seal membrane roofing in  
56 place with clamping ring.

1 **3.8 BASE FLASHING INSTALLATION**

- 2 A. Install sheet flashings and preformed flashing accessories, and adhere to substrates according to roofing  
3 system manufacturer's written instructions.
- 4 B. Apply bonding adhesive to substrate and underside of sheet flashing at required rate, and allow to partially  
5 dry. Do not apply to seam area of flashing.
- 6 C. Flash penetrations and field-formed inside and outside corners with cured or uncured sheet flashing.
- 7 D. Clean splice areas, apply splicing cement, and firmly roll side and end laps of overlapping sheets to ensure  
8 a watertight seam installation. Apply lap sealant and seal exposed edges of sheet flashing terminations.
- 9 E. Terminate and seal top of sheet flashings and mechanically anchor to substrate through termination bars.
- 10 F. PV Rack Anchor Installation:
- 11 1. Prepare the roof surface by removing all loose debris and clean the area in accordance with the  
12 roofing manufacture recommendations
- 13 2. Apply an approved Seam Slice Adhesive Primer to the roof membrane where the Double Sided Die  
14 Cut Adhesive will be placed and allow to dry before continuing.
- 15 3. Peel back half of the release liner exposing the adhesive.
- 16 4. Carefully align the Double Side Die Cut Adhesive and place into the desired position. Do not stretch  
17 or pull the adhesive.
- 18 5. Apply an approved Seam Slice Adhesive Primer to the underside of the U-Anchor 2400 Single Ply  
19 cover and allow to dry before continuing.
- 20 6. Remove the top release liner and place into position.
- 21 7. Center and place the U-Anchor 2000 over the Double Sided Die Cut Adhesive avoiding wrinkles.
- 22 8. Using a weighted membrane roller firmly roll the entire surface of the U-Anchor membrane cover to  
23 ensure a proper bond is achieved.
- 24 9. Firmly roll the perimeter edge to embed the perimeter edge of the membrane in the adhesive. If you  
25 are unable to embed the edge of the membrane into the adhesive cut edge sealant may be needed  
26 to prevent the membrane reinforcement from wicking moisture.

27 **3.9 FIELD QUALITY CONTROL**

- 28 A. Testing Agency: Engage a qualified testing agency to inspect substrate conditions, surface preparation,  
29 membrane application, flashings, protection, and drainage components, and to furnish reports to Architect.
- 30 B. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing  
31 installation on completion.
- 32 C. Repair or remove and replace components of roofing system where inspections indicate that they do not  
33 comply with specified requirements.
- 34 D. Additional testing and inspecting, at Contractor's expense, will be performed to determine if replaced or  
35 additional work complies with specified requirements.

36 **3.10 PROTECTING AND CLEANING**

- 37 A. Protect membrane roofing system from damage and wear during remainder of construction period. When  
38 remaining construction does not affect or endanger roofing, inspect roofing for deterioration and damage,  
39 describing its nature and extent in a written report, with copies to Architect and Owner.
- 40 B. Correct deficiencies in or remove membrane roofing system that does not comply with requirements, repair  
41 substrates, and repair or reinstall membrane roofing system to a condition free of damage and deterioration  
42 at time of Substantial Completion and according to warranty requirements.

43 **END OF SECTION**

SECTION 11 40 00  
FOOD SERVICE EQUIPMENT

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PART 1 – GENERAL

- 1.1 RELATED DOCUMENTS
- 1.2 ABBREVIATIONS
- 1.3 RELATED WORK BY OTHER
- 1.4 QUALITY ASSURANCE
- 1.5 APPLICABLE CODES AND STANDARDS
- 1.6 SUBMITTALS

PART 2 – PRODUCTS

- 2.1 GENERAL
- 2.2 FABRICATION OF METALWORK
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- 3.1 SUPERVISION
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- 3.3 CLEANING
- 3.4 ADJUSTMENT, TESTING AND TRAINING
- 3.5 OPERATION AND MAINTANENCE MANUALS
- 3.6 GUARANTEE

PART 4 – ITEM SPECIFICATIONS

**PART 1 – GENERAL**

1.1 RELATED DOCUMENTS

- A. This section constitutes a separate prime contract.
- B. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.

1.2 ABBREVIATIONS

ADA	Americans with Disabilities Act
AGA	American Gas Association
ASME	American Society of Mechanical Engineers
ASHRAE	American Society of Heating, Refrigeration and Air Conditioning Engineers
CFSP	Certified Food Service Professional
CM	Construction Manager
EC	Electrical Contractor
FEC	Food Service Equipment Contractor
HACCP	Hazard Analysis and Critical Control Point
HVAC	Heating, Ventilating and Air Conditioning Contractor
ID	Inside Diameter
MC	Mechanical Contractor
NFPA	National Fire Protection Association
NSF	National Sanitation Foundation
OD	Outside Diameter
OSHA	Occupational Safety & Health Administration
PC	Plumbing Contractor
UL	Underwriters Laboratories

1.3 RELATED WORK BY OTHERS

- A. Construction Manager (CM)
  - 1. Where applicable, provide transit level recesses for walk-in cooler/ freezer floors and other depressions. Provide finished flooring material and base inside and outside of walk-in coolers and freezers. Refer to Food Service Plans for details.

- 1 2. Where applicable, Provide concrete pads or floors for walk-in cooler(s)/ freezer(s) and/ or compressor(s) to be  
2 installed outside.
- 3 3. Where applicable, Furnish and install all flashing necessary to tie in walk-in cooler(s)/ freezer(s) to building.
- 4 4. Where applicable, Install floor trough(s) and drip pan(s) when furnished by FEC. Refer to Food Service Plans for  
5 details.
- 6 5. Where applicable, Furnish and install all necessary wall backing of size, type and locations as indicated on Food  
7 Service Plans.
- 8 6. Where applicable, Furnish and install necessary concrete pad(s) or roof curb(s) and associated penetrations for  
9 refrigeration equipment.
- 10 B. Plumbing Contractor (PC)
- 11 1. Provide rough-in and final connections of all services per local code requirements.
- 12 2. Flush all lines of foreign debris before connecting fixtures.
- 13 3. Provide all water supply lines, drain lines, drain fittings, floor drains, shut-off valves, traps and tailpieces.
- 14 4. Provide all reduced pressure devices, pressure reducing valves and backflow prevention devices except where  
15 included with equipment or furnished by FEC as part of item specs. Also refer to Food Service Equipment  
16 Schedule.
- 17 5. Provide all grease traps; coordinate water usage data with FEC. Note local codes may require grease (trap)  
18 interceptor for pot/ utensil wash sinks, dishmachines or drains for other grease producing food service  
19 equipment. Flush inset or exterior grease traps are recommended for all food service applications.
- 20 6. Install all faucets, pre rinse spray units, hose reel units, lever drains, vacuum breakers, check valves, flow  
21 control valves, water inlets, traps, filters, strainers, PRV valves, T/P gauges as furnished by FEC.
- 22 7. Make connections between sections of modular equipment such as range batteries, utility distribution  
23 systems, chef's tables, and exhaust hoods.
- 24 8. Provide condensate line piping for walk in cooler and freezer units. Note walk-in cooler condensate lines shall  
25 not pass through walk-in freezer compartments. Condensate line piping shall be trapped outside the cold room  
26 and installed per prevailing codes. PC shall use 1" copper tubing for condensate lines.
- 27 9. Provide sleeves for refrigerant piping and condensate piping wherever it passes through the walk in cooler or  
28 freezer wall, floor or ceiling. Pack sleeve with fiberglass and perma-gum after installation. Sleeves through  
29 floor shall project min. 3" above the finished floor. Sleeves through the walls shall be flush with walls.
- 30 10. Provide all conduit for beverage lines per local code requirements.
- 31 C. Electrical Contractor
- 32 1. Provide rough-in and final connections of all services per local code requirements.
- 33 2. Provide all outlets, receptacles, conduit, contactors, controllers, disconnects, switches, starters, etc., unless  
34 furnished as standard with the equipment or specifically included with the equipment in the itemized  
35 specifications.
- 36 3. Install electrical devices furnished with food service equipment. FEC must indicate such devices on electrical  
37 rough-in plans.
- 38 4. Make electrical connections between sections of modular equipment such as utility distribution systems;  
39 exhaust hoods, refrigeration systems, walk-in cooler and freezer units or chef's tables.
- 40 5. Where required by local codes, furnish and install shunt trips and/ or contactors with 120 Volt coils with  
41 contact ratings matching the electrical cooking appliance. EC to wire from the micro switch relay on the fire  
42 control system head to the shunt trips/ contactors.
- 43 6. Walk-in cooler and freezer refrigeration systems:
  - 44 a. Wire from cooler and freezer compressor time clocks to respective evaporator coils. Note unless  
45 otherwise specified, time clocks shall be furnished for cooler and freezer units.
  - 46 b. Wire to door assembly junction box, light(s), heated air vents, condensate drain line heaters (walk in  
47 freezer heat tape shall be applied under insulation) and audio/ visual alarms.
  - 48 c. Mount and connect all light fixtures furnished with walk in cooler(s)/ freezer(s).
- 49 7. Wet areas such as sinks, disposers, or dishwashers shall be wired with Sealtite Type EF conduit or equal,  
50 through water proof boxes.
- 51 D. Mechanical Contractor (MC)
- 52 1. Provide rough-in and final connections of all mechanical services.
- 53 2. Provide fans, ducts, dampers, starters, roof curbs, roof penetrations and sealing of penetrations, etc.,  
54 necessary for operation of grease extracting hoods and condensate hoods.
- 55 3. Provide looped gas supply lines, gas pressure reducing and regulating valves for pressure above 14" W.C.
- 56 4. FEC to provide gas fire/ fuel shut-off solenoid valve(s) as part of hood fire suppression system to MC for  
57 installation.

- 1                    5. Install all gas valves, gas hoses and gas pressure regulators furnished by FEC and indicated on Food Service  
2                    Equipment Schedule.  
3
- 4                    1.4 QUALITY ASSURANCE
- 5                    A. Installer Qualifications: Engage an experienced installer to perform work of this Section who has specialized in  
6                    installing food service equipment, who has completed installations similar in design and extent to that indicated for  
7                    this Project, and who has a record of successful in-service performance.
- 8                    B. FEC shall comply with all federal, state and local laws and regulations governing health, safety, fire, mechanical and  
9                    electrical requirements within the applicable jurisdiction.
- 10                   C. When the Construction Documents call for higher standards or larger sizes than the regulations, the Construction  
11                   Documents shall govern. When the regulations require higher standards or larger sizes than the Construction  
12                   Documents, the regulations shall govern. Rulings and interpretations of the enforcing agencies shall be considered  
13                   part of the regulations. No additional amounts shall be paid for compliance.
- 14                   D. When the requirements of the drawings exceed the written specifications, the drawings shall govern and vice versa.
- 15                   E. If because of jurisdictional trade agreements or other conditions, any work specified in the Construction Documents  
16                   must be completed by others, sublet such work only to those who are qualified to do such work or make other  
17                   arrangements at the expense of the FEC, subject to approval by the Architect.  
18
- 19                   1.5 APPLICABLE CODES & STANDARDS
- 20                   A. Except as otherwise indicated, each item of equipment shall comply with the latest current edition of the following  
21                   standards as applicable to the manufacturer, fabrication, and installation of the work in this section. Comply with all  
22                   Federal, State and Municipal regulations and notifications, which bear on the execution of this work. Call to the  
23                   attention of the Owner in writing any design conflict with the requirements of the Americans with Disabilities Act  
24                   (ADA) during the Bid Process so resolution can be effected prior to the Contract Award.
- 25                   1. NSF Standards: Comply with applicable National Sanitation Foundation Standards and criteria and provide NSF  
26                   "Seal of Approval" on each manufactured item and on major items of custom-fabricated work.
- 27                   2. UL/ ETL/ CSA Standards: For electrical components and assemblies, provide either UL/ ETL/ CSA listed products  
28                   or, where no listing service is available, provide a complete index of the components used as selected from the  
29                   UL/ ETL/ CSA "Recognized Component Index". For fire extinguishing systems comply with UL 300.
- 30                   3. ANSI Standards: Comply with applicable ANSI standards for electrical-powered and gas-burning equipment; for  
31                   piping to compressed-gas cylinders; and for plumbing fitting, including vacuum breaker and air gaps, to  
32                   prevent siphonage in water piping.
- 33                   4. AGA/ CGA: All gas fired equipment shall be AGA/ CGA approved, equipped to operate on type of gas available  
34                   at the job site, and shall contain 100% automatic safety shut-off devices.
- 35                   5. NFPA Standards: Comply with NFPA Bulletin 96 for exhaust systems; with NFPA Bulletins 13, 17, 17A and 96 for  
36                   fire extinguishing systems; and with NFPA 54, National Fuel Gas Code and NFPA 70, National Electric Code.
- 37                   6. ASME Code: Comply with ASME boiler code requirements for steam-generating and steam-heated equipment;  
38                   provide ASME inspection, stamps, and certification of registration with National Board.
- 39                   7. SMACNA Guidelines: Where applicable provide seismic restraints for food service equipment to comply with  
40                   the Sheet Metal and Air Conditioning Contractors National Association's (SMACNA) "Kitchen Equipment  
41                   Fabrication Guidelines", appendix 1, "Guidelines for Seismic Restraints of Kitchen Equipment", unless  
42                   otherwise indicated.
- 43                   8. ASHRAE: Provide mechanical refrigeration systems complying with the American Society of Heating,  
44                   Refrigeration and Air Conditioning Engineers ASHRAE 15, "Safety Code for Mechanical Refrigeration".  
45
- 46                   1.6 SUBMITTALS
- 47                   A. Submit food service equipment plan, rough-in plans, shop drawings and specification brochure booklet within 30  
48                   days of award of contract or as required by Architect. Submit one set photo copy print and one electronic PDF set to  
49                   Food Service Consultant for review and approval. Corrected electronic documents will be returned to FEC for  
50                   revision if necessary.
- 51                   B. When drawings are approved, FEC shall submit assembled sets of plans as required by Architect.
- 52                   C. When specification brochure booklets are approved submit assembled copies in quantity required by Architect. Each  
53                   page is to be numbered and sequenced corresponding to the itemized specifications. Brochures are to include  
54                   accessories and components used with each item.
- 55                   D. Provide fully dimensioned rough-in plans at ¼" = 1'-0" scale showing all required services including; electrical,  
56                   plumbing, mechanical and any related special conditions.  
57

- 1           1. Plans are to indicate location, elevation, sized and type of water supplies, drains, gas lines, floor drains, site  
2           drains, electrical supplies, outlets, switches, ducts locations, exhaust and supply CFM and static pressure, etc.  
3           Include on each page a legend of commonly used symbols and abbreviations.
- 4           2. Special conditions shall include, but not be limited to, curbs, bases, recesses, sleeves, refrigeration lines,  
5           concealed wall backing, pass through openings, trenches, etc.
- 6           3. FEC may not use rough-in plans prepared by the Food Service Consultant for submittal with the required  
7           Construction Documents without permission from the Food Service Consultant. When such plans are re-used  
8           for Construction Documents it shall be the responsibility of FEC to verify all dimensions as well as electrical,  
9           plumbing and mechanical rough-ins and prevailing codes as they relate to the project.
- 10          E. Submit shop drawings showing plans, elevations and details for all fabricated items drawn at minimum 3/4" scale.
- 11          F. After all drawings and buy out brochures have been approved and received by Owner & Architect, fabrication may  
12          begin. Approvals shall not relive FEC of the responsibility for conformance with the construction documents unless  
13          written approval is obtained from the Owner & Architect. Also, approvals shall not relieve FEC from conformance to  
14          state and local health code requirements.

**PART 2 – PRODUCTS**

**2.1 GENERAL**

- A. Except as may be specified otherwise under individual item specification in "Equipment List" or "Equipment  
Schedule", all items of standard manufactured equipment furnished shall be complete in accordance with  
manufacturer's standard specifications for specific unit or model called for, including finishes, components,  
attachments, appurtenances, etc.
- B. Qualified Custom Stainless Fabricators include:
  1. Institutional Equipment Inc.  
704 Veterans Parkway, Unit B  
Bolingbrook, IL 60440  
(630) 771-0990 ph.
  2. Nationwide Fabrication Inc.  
10923 Leroy Dr.  
Northglenn, CO 80233  
(303) 853-0107 ph.
  3. Albers Commercial Kitchen Services  
200 W. Plato Blvd.  
St. Paul, MN 55107  
(651) 265-0603 ph.
  4. Advance Tabco  
200 Heartland Blvd.  
Edgewood, NY 11717  
(800) 645-3166 ph.

**2.2 FABRICATION OF METALWORK**

- A. Sanitation Standards
  1. All equipment shall be produced in accordance with the National Sanitation Foundation (NSF) Standard 2 and  
bear the NSF seal.
- B. Materials & Workmanship
  1. All material shall be new, of prime quality and without flaws. The completed products shall be delivered to the  
owner in an undamaged condition.
  2. Stainless Steel shall conform to American Society for Testing and Materials (ASTM) specification, Type 304,  
hardest workable temper, polished to a #4 satin finish on exterior and rolled finish on interior. Working surfaces,  
including welds, shall be smooth, free of warps, buckles, cracks, pits and scratches.
  3. Steel other than stainless steel, where specified to body enclosures shall be prime grade, with steel sheet  
bonderized and zinc coated.
  4. Grain shall run in the same direction on all horizontal and all vertical surfaces; where table or sink tops join at  
right angles, terminate the finish in a mitered edge; polish grain consistent in direction throughout the length of  
the backsplash and sink compartment.
  5. Sound Deadening - underside of all stainless steel top for tables, counters, sinks, dish tables with angle or  
channel framework shall be coated with 1/8" thick water proof mastic material, non-asphalt base and NSF  
approved.

- 1 6. Reinforce metal at locations of hardware, anchorages and accessory attachments; wherever metal is less than  
2 14 gauge or requires mortised application. Conceal reinforcements to the greatest extent possible. Weld in place  
3 on concealed faces.
- 4 7. Welding and Soldering  
5 a. Materials 18 gauge or heavier shall be welded.  
6 b. Seams and joints shall be welded and soldered in field unless otherwise indicated in item specifications.  
7 c. Welds must be ground smooth and polished to match original finish.  
8 d. Where galvanizing has been burned off, the weld shall be cleaned and touched up with high-grade  
9 aluminum paint.
- 10 8. Provide removable panels for access to mechanical and electrical service connections, which are concealed  
11 behind or within food service equipment, but only where access is not possible.
- 12 9. Provide closures where ends of fixtures, back splashes, shelves, etc. are open. Fill by forming the metal or  
13 welding sections if necessary to close off entire opening flush to walls or adjoining fixtures.
- 14 10. Reinforce work surfaces 30 inches on center (vertical and horizontal), with galvanizing or stainless steel  
15 concealed structural members. Reinforce members which are not self-reinforced, by formed edges.
- 16 11. Metal tops shall be one-piece welded construction, including field joints. Secure to a full perimeter channel  
17 frame and fasten top with stud bolts or tack welds.
- 18 12. Field Joints - for any field joints required because of size of fixture; butt joint, reinforce on underside with angles  
19 of same material, bolt together with non-corrosive bolts and nuts, field weld, grind and polish.
- 20 C. Metal and Gauges  
21 1. Fabricate the following components in stainless steel from the gauge of metal as indicated:  
22 a. Table and counter tops 14 gauge  
23 b. Sinks and drainboards 14 gauge  
24 c. Shelves 16 gauge  
25 d. Front drawer and door panels 18 gauge (double pan type)  
26 e. Single pan doors and drawer fronts 16 gauge  
27 f. Enclosed base cabinets 18 gauge  
28 g. Enclosed wall cabinets 18 gauge  
29 h. Exhaust Hoods and Ventilators 18 gauge  
30 i. Pan-type inserts and trays 16 gauge  
31 j. Removable covers and panels 18 gauge  
32 k. Skirts and enclosure panels 18 gauge  
33 l. Closure and trim strips over 4" wide 18 gauge  
34 m. Hardware reinforcement 12 gauge  
35 n. Gusset plates 10 gauge
- 36 D. Pipe Bases  
37 1. Construct pipe bases of 1 5/8" diameter, 16 gauge stainless steel tubing. Fit legs with polished stainless steel  
38 adjustable bullet feet to provide adjustment of approximately 1-1/2", without exposed threads.  
39 2. Space legs to provide ample support for tops, precluding any possibility of bucking or sagging and in no case  
40 more than 6'-0" centers.
- 41 E. Legs and Crossrails  
42 1. Legs and crossrails shall be 1 5/8" diameter stainless steel tubing. All intersections of rails and legs shall be  
43 welded and finished smooth. Bolts, screws or tack welds shall not be acceptable.  
44 2. Leg sockets shall be 2" outside diameter (OD) stainless steel with set screw to secure the leg to the socket.  
45 They shall be welded to 14 gauge transverse top support channels.
- 46 F. Shelves  
47 1. Construct solid shelves under pipe base tables of 16 gauge stainless steel, with 1 1/2" turned down and under  
48 edges on exposed sides, and 2" turn up against walls or equipment. Fully weld to legs.  
49 2. In fixtures with enclosed bases, turn up shelves on back and sides with 1/4" minimum radius and feather slightly  
50 to ensure a tight fit to enclosure panels.
- 51 G. Sinks and Drainboards  
52 1. All sinks and drainboards shall be constructed of 14 gauge stainless steel, unless otherwise specified, with all  
53 joints welded, ground and polished so no evidence of welding appears.  
54 2. All vertical and horizontal corners shall be rounded to a 3/4" radius with intersections meeting in spherical  
55 sections. Multiple compartment sinks shall be divided with double wall partitions having fully rounded corners.  
56 All corners of drainboards shall be rounded on inside to 3/4" radius. All back and end splashes shall be rounded on  
57 inside to 3/4" radius. Front corners of rolled rim shall be fully rounded on outside roll and be concentric with  
58 inside of roll.

- 1 3. Front face of multiple sinks shall be one continuous piece with no overlapping joints or open spaces between
- 2 compartments.
- 3 4. Drainboards shall be pitched 1/8" x 12" toward sink compartments. Sinks and drainboards shall have 10" high
- 4 back splashes and end splashes where appropriate. Back splashes shall be level and continuous and not follow
- 5 pitch of drainboards.
- 6 5. Bottom of each compartment shall pitch to drain and be fitted with a cast brass 2" lever operated waste outlet,
- 7 provided with a stainless steel strainer plate. Set lever waste into stamped recess in sink bottom to facilitate
- 8 drainage.
- 9 6. All sinks shall be 14" deep unless otherwise specified on drawings or in item specifications.
- 10 H. Sinks set into Work Table or Work Counter
- 11 1. Sinks shall be constructed of 14 gauge stainless steel, unless otherwise specified, with all joints welded, ground
- 12 and polished so no evidence of welding appears.
- 13 2. Bottom of sink compartment shall have vertical and horizontal corners rounded to 3/4" radius and pitch to drain
- 14 with size and type as indicated on plan and item specifications.
- 15 I. Dishtables
- 16 1. Top reinforcement and support shall consist of 14 gauge stainless steel transverse leg support channels and 14
- 17 gauge stainless steel longitudinal reinforcing channel. Also refer to 2.2 Section B for reinforcement detail.
- 18 2. Where tables enter dishmachines or pot washing machines provide turn down into machine as recommended
- 19 by manufacturer and a flange at both the front and back splash forming a water tight joint across bottom on up
- 20 both sides to top edge of dishtable.
- 21 3. Provide sound deadening as directed in 2.2 Section B for underside of dishtables.
- 22 4. Follow construction details as directed in 2.2 Section G.
- 23 J. Work Tables
- 24 1. Top reinforcement and support shall consist of 14 gauge galvanized transverse leg support channels and 14
- 25 gauge galvanized longitudinal reinforcing channel. Also refer to 2.2 Section B for reinforcement detail.
- 26 2. Where stainless steel tops are specified furnish 14 gauge polished stainless steel, finished in a #4 satin finish
- 27 with all exposed edges rounded with no burrs. Tops shall be turned down 1 1/2" and under 1/2" in channel shape
- 28 on all exposed sides unless otherwise specified.
- 29 3. Where tables are located at building walls, they shall have minimum 6" high by 1" returned at 90 degrees to wall
- 30 and turned down 1" at 90 degrees with all exposed ends closed ground and polished smooth. Provide heavy-
- 31 duty "Z" clips for securing to building walls.
- 32 4. Provide sound deadening as directed in 2.2 Section B for underside of worktables.
- 33 K. Wood Table Tops
- 34 1. Where wood table tops are specified, top shall be 1 3/4" thick, sectional, hard rock, kiln dried maple construction.
- 35 Top shall have 5" by 1" thick covered maple riser on back and ends unless otherwise indicated on plan or item
- 36 specifications. Top shall be fully NSF approved.
- 37 2. Top shall be mounted on 14 gauge channels as indicated in 2.2 Section J.
- 38 L. Cabinet Base Construction
- 39 1. All cabinet type bases shall be of 16 gauge stainless steel, single wall, pan type, one piece welded construction
- 40 with no visible joints or screw attachments showing. Entire unit to be braced with 14 gauge channels as
- 41 indicated in 2.2 Section J.
- 42 M. Hinged Doors
- 43 1. Hinged doors for cabinet base counters shall be constructed of 18 gauge stainless steel front with 20 gauge
- 44 stainless steel pan shaped backs, with all corners welded, ground and polished.
- 45 2. Unless otherwise specified all pull handles shall be Component Hardware, recessed door pull, full grip type,
- 46 Model No. P63-1012 or approved equal.
- 47 3. All doors to be furnished with chrome plated heavy duty type cylinder lock by Component Hardware or
- 48 approved equal.
- 49 4. All doors shall be provided with NSF approved stainless steel heavy duty lift off type hinges and Cabinet Catch,
- 50 Friction Type with spring action nylon rollers by Component Hardware, Model No. M21-2580 or approved equal.
- 51 N. Drawer Assemblies
- 52 1. Drawer assemblies shall consist of removable drawer body mounted in a ball bearing slide assembly with fully
- 53 enclosed housing.
- 54 2. Slide assembly shall consist of one pair of 200 pound stainless steel roller bearing extension slides, with side and
- 55 back enclosure panels, front spacer angle, two drawer carrier angles, secured to slides and stainless front.
- 56 3. Drawer bodies for general storage shall be 20" x 20" x 5" deep with 18 gauge stainless steel or Royalite
- 57 containers.
- 58

- 1 O. Over Shelves and Wall Shelves  
2 1. Shelves shall be constructed of 16 gauge stainless steel with working sides turned down 1 ½" and ½" under in  
3 channel shape with resulting corners welded, ground and polished.  
4 2. Back of Wall Shelves shall be turned up 1 ½" and coved. When 1 ½" turn up is specified at Back & Ends, Front  
5 edge of End splash shall be rounded and finished smooth.  
6 3. Slant rack shelves used for dish racks shall have rolled front edge and 6" turn up at rear.  
7 4. Brackets shall be 14 gauge stainless steel and be spaced to support shelf with its intended contents.  
8 P. Wall Cabinets  
9 1. Wall cabinets shall be of length and depth as shown on plans or indicated in item specifications. Cabinets to be  
10 28" high, unless otherwise specified with sloped, dust proof tops. Exterior bottoms shall be of flush type  
11 construction.  
12 2. Cabinet shall be constructed of 18 gauge stainless steel, all welded construction. Cabinet interiors shall be  
13 fabricated with fixed bottom and intermediate shelf unless otherwise specified.  
14 3. Where specified doors shall be double wall construction with chrome plated pulls.  
15

16 2.3 FABRICATION OF MILLWORK & CASE WORK

- 17 A. Counter Body shall be constructed of ¾" birch or fir. Particleboard may not be substituted for plywood panels. All  
18 plywood to be glued with water resistant resin glue.  
19 B. Plastic laminate finish of interior shall be standard grade laminate white in color unless otherwise specified. All  
20 interior surfaces including underside of top shall be standard grade laminate finished. Exterior plastic laminate finish  
21 shall be standard grade laminate as specified by architect or owner. All exterior surfaces shall be plastic laminate  
22 finished including those units that may have backs or ends against the wall. Plastic laminate to be applied with  
23 minimum quantity seams based on use of largest sheet size available from manufacturer.  
24 C. Where large openings are required in counter body, such as for floor drains or beverage tubing, fabricator shall  
25 provide stainless steel trim covers to conceal exposed plywood edge of counter base.  
26 D. Where seam is exposed provide with 1 ½" wide x ½" thick plastic laminate trim strip. Trim shall be of height of  
27 counter base. Additional strips shall be provided so as to allow symmetrical appearance on counter front even if not  
28 required to cover seam.  
29 E. Doors shall be constructed of birch, fir or particle board with plastic laminate finish on all surfaces. Provide chrome-  
30 faced locks all keyed alike. Provide Blum Mfg. concealed door hinges unless otherwise specified. Where specified  
31 provide slotted doors to allow for equipment ventilation. Each door shall have seven routed slots in door face ½"  
32 wide and painted to match laminate color front. Provide chrome wire pulls unless otherwise specified.  
33 F. Where specified in lieu of toe base, furnish 6" high NSF approved stainless steel legs with adjustable bullet feet.  
34 Spacing shall be maximum 48" on center. Provide stainless steel backing plates in counter base.  
35 G. Where specified with stainless steel legs and adjustable feet, furnish toe base which shall be removable ¾" thick  
36 birch or fir. Finish all surfaces with plastic laminate including front, back and all edges. Provide in maximum lengths  
37 to accommodate all counters. End returns on exposed counter sides shall be attached to front toe kick section to  
38 allow for one piece removal.  
39

40 2.4 REFRIGERATION REQUIREMENTS

- 41 A. Refrigeration systems shall be installed by a knowledgeable, skilled and licensed refrigeration contractor, who shall  
42 perform the work according to ASHARE standards and the conditions of the contract documents. System shall be  
43 installed, charged, started, tested and fully operational.  
44 B. Condensing units shall be securely mounted with adequate clearance for service. Condensing units located outside  
45 the building shall be installed on a curb or pad provided by the CM/ GC with refrigeration lines extending through a  
46 roof pitch pocket or wall sleeve provided by the CM/ GC. All refrigeration lines in the pitch pocket or sleeve to be  
47 sealed by the CM/ GC. Coordinate size of curb or pad with CM/ GC.  
48 C. All systems shall be designed for thermostatic expansion valves and pressure switches shall operate on specified  
49 refrigerant.  
50 D. Refrigeration lines shall conform to ASHARE or National Board of Fire Underwriters standards, whichever is greater.  
51 Piping shall be type "L" copper, cut with a tube cutter and sized. Use braising rod of no less than 15% silver. Fittings  
52 shall be wrought copper.  
53 E. Piping shall be fitted with hangers at no more than 10 foot intervals horizontally and 6 foot intervals vertically.  
54 Provide an oil trap at the base of vertical risers in suction lines.  
55 F. Insulate walk-in cooler/ freezer suction lines and freezer condensate lines with ¾" Armaflex. Walk in cooler  
56 condensate lines shall not pass through walk in freezer compartments. Walk in freezer heat tape shall be applied  
57 under the insulation.

- 1 G. Thermometers shall be installed on the exterior of each walk in cooler/ freezer near the door. Refrigeration  
2 contractor shall calibrate thermometers after three days of operation. Extend sensor capillaries away from the door  
3 and secure to the walls.
- 4 H. Furnish all specified lights in walk in cooler(s)/ freezer(s) for mounting and connection by EC. Provide bulbs suitable  
5 for the specified ambient temperature. Fluorescent light fixtures shall be surface mounted, NSF Listed, and UL  
6 Listed, suitable for wet and low temperature areas.
- 7 I. Clean, dehydrate and evacuate the system. Check the system for leaks over a 24 hour period at a vacuum of 5000 or  
8 less microns with no appreciable pressure drop. Liquid lines shall be pressurized according to prevailing  
9 refrigeration codes for 24 hours with a maximum decrease of 3 PSI.
- 10 J. **2009 EISA Compliance Conditions** - For Walk In Units installed after Jan. 1, 2009 Walk In Manufacturers shall include  
11 options/ accessories necessary to comply with HR6 – The Energy Independence and Security Act. These include  
12 increased R-Value insulation, new lighting and door hinging requirements, EC motors in evaporators and new  
13 requirements for glass doors or windows (if applicable).

14  
15 PART 3 – EXECUTION

16  
17 3.1 SUPERVISION

- 18 A. FEC shall have a competent supervisor present at all times during progress of the Contractors work.
- 19 B. Verify the site conditions prior to installation and notify the Architect and/ or CM/ GC. in writing, of unsatisfactory  
20 conditions for proper installation of food service equipment.
- 21 C. Verify wall, column, door, window and ceiling locations and dimensions prior to approval of shop drawings.  
22 Fabrication and setting in place of custom equipment should not proceed until dimensions and conditions have been  
23 coordinated with fabrication details.
- 24 D. Verify that wall backing has been provided and is correct for wall supported equipment. Coordinate location for wall  
25 backing with CM/ GC. as required prior to installation of equipment.
- 26 E. Verify that ventilation ducts are of the correct characteristics and in the required locations as indicated on food  
27 service plans.
- 28 F. Verify that all utilities are available, of the correct characteristics and in the proper locations for final hook up of the  
29 equipment.

30  
31 3.2 ASSEMBLY AND SETTING IN PLACE

- 32 A. Coordinate sequential setting in place and assembly of all equipment to ensure all utility connections are achieved.
- 33 B. Coordinate work and cooperate with other trades working at site toward the orderly progress of the project.
- 34 C. Keep premises free from accumulation of waste material and rubbish on a daily basis. Provide and maintain  
35 coverings or other appropriate protection for finished surfaces and other parts of equipment subject to damage  
36 during installation.
- 37 D. All food service equipment shall be assembled and set in place in accordance with manufacturers instructions.
- 38 E. Set non mobile items securely in place, leveled and adjusted to the correct height. Anchor to finished floor and/ or  
39 wall where indicated and where required for sustained operation and use without shifting or dislocation. Conceal  
40 anchorages wherever possible.
- 41 F. Complete field assembly joints by welding, bolting and gasketing, or similar methods as specified. Grind welds  
42 smooth and polish.
- 43 G. Provide closure plates and strips where required as per health code requirements.
- 44 H. Provide access holes and/or ferrules on equipment for piping, drains, electrical outlets, conduits, etc., as required to  
45 coordinate installation of kitchen and Food Service equipment work of the other contractors on project.
- 46 I. Provide sealants, Dow Corning 732 RTV or equal clear silicone around equipment to make joints air tight, water  
47 proof, vermin proof and sanitary per health code requirements. Wipe excess out of joint to fillet radius.
- 48 J. Repair of all damage to premises as result of this installation, and removal of all debris left by those engaged in  
49 installation.

50  
51 3.3 CLEANING

- 52 A. Upon completion of installation in food service areas, remove protective coverings on equipment.
- 53 B. Collect any warranty cards and operation & maintenance manuals attached to or inside of equipment and submit to  
54 CM/ GC as described in Section III, 3.5.
- 55 C. Have all Food Service equipment fixtures broom cleaned and ready for operation when building is turned over to  
56 owner. All sanitizing of equipment shall be completed by owner unless otherwise indicated.

- 1 3.4 ADJUSTMENT, TESTING AND TRAINING  
2 A. Test and adjust equipment, controls and safety devices to ensure proper working order and conditions.  
3 B. Repair or replace equipment which is found to be defective.  
4 C. When cleaning, testing and adjusting have been completed, arrange for demonstration times at Owner's  
5 convenience, but during normal working hours. Demonstrations shall be done by competent, trained personnel,  
6 thoroughly familiar with the operation, techniques of usage, capacities and maintenance of the equipment.  
7  
8 3.5 OPERATION AND MAINTENANCE MANUALS  
9 A. Prior to demonstration of food service equipment the FEC shall submit three (3) set of Operation and Maintenance  
10 manuals to CM/ GC or Architect for approval. Manuals shall be in hard cover three ring binders and shall include  
11 replacement parts lists and a type written index sheet listing name, addresses and phone numbers of all authorized  
12 service agencies for appropriate equipment.  
13  
14 3.6 GUARANTEE  
15 A. Equipment, parts and labor under this contract shall be guaranteed for a period of one (1) calendar year from date of  
16 final invoice.  
17 B. Condensing units shall be further warranted on a prorated basis for an additional four- (4) years, exclusive of labor.  
18 Refrigeration warranties shall include replacement of refrigerant caused by a fault or leak in the system.  
19

20 **PART 4 – ITEM SPECIFICATIONS**

21 **Instructions to bidders:**

- 22 1. Food Service Equipment Contractor to include cost to receive, deliver, uncrate and set in place all new food  
23 service equipment specified for final hook-ups by others.  
24 2. Food Service Equipment Contractor shall furnish itemized bid form at specified due date.  
25 3. Food Service Equipment Contractor shall be responsible for removal of all delivery packing material/ trash from  
26 site unless otherwise indicated by Owner & Construction Manager.  
27 4. Food Service Equipment Contractor shall utilize authorized Custom Stainless Fabricators as indicated in General  
28 Specification Section 2.2. All other fabricators must be submitted for approval prior to bid due date.  
29

30 **ITEM # 1 WALK-IN COMBINATION BOX WITH REFRIGERATION**

31 **Manufacturer:** Kolpak

32 **Qty.** One (1)

- 33 1. Combination walk-in cooler/freezer  
34 Freezer Compartment Interior Dimensions: 14'-5 1/2" x 7'-4" x 8'-6 1/4"  
35 Walls: 4" Class 1 - Foamed in place Urethane  
36 Interior and Exterior: Galvalume - Embossed 26 Ga  
37 Ceiling: 4" Class 1 - Foamed in place Urethane  
38 Floor Application: 4" Class 1 - Foamed in place Urethane  
39 Type: Standard 1000# ERA  
40 Floor Finish: Galvanized - Smooth -16Ga.  
41 Two (2) ea Light Fixture - Kason 1809 LED 115V/220V  
42 One (1) PC199LOP-2E, 2 HP, RLow Temp Standard Pre-Charged,Air Cooled Hermetic Condensing Unit  
43 Amps: 18.1, Ambient Temperature: 91  
44 Includes Fan Cycle Controls, Amps: 18.1, Ambient Temperature: 91  
45 One (1) EL26-090-2EC-PR-4, RLow Temp, Electric Defrost, Amps: 9.8  
46 Door: 34" x 78" Left Swing Out  
47 Interior and Exterior Door Frame: Galvalume - Embossed 26 Ga  
48 One (1) Kason Handle 28 with Locking Assembly  
49 One (1) Kason Heated Pressure Relief 1825  
50 One (1) Freezer Alarm to Cooler Door  
51 One (1) Light Centered Over Door Opening  
52 Stainless Steel 14 ga threshold  
53 One (1) Heater Wire  
54 Three (3) Kason 1346 Brushed Chrome Adjustable / Spring Assisted Hinge  
55 One (1) Kason 1803 LED w/Bulb, Globe & Nightlight 120V  
56 One (1) Deluxe Display By ArcticFox™ with Battery Backup  
57 Cooler Interior Dimensions: 14'-5 1/2" x 20'-6 1/2" x 8'-6 1/4"  
58 Walls: 4" Class 1 - Foamed in place Urethane

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- 1 Interior and Exterior: Galvalume - Embossed 26 Ga
- 2 Ceiling: 4" Class 1 - Foamed in place Urethane
- 3 Floor Application with Vinyl U Shape Flat Bottom Wall Screenshot
- 4 Four (4) Kason 1809 LED 115V/220V Light Fixture
- 5 Door: 34" x 78" Left Swing Out
- 6 Recessed 8"
- 7 Interior and Exterior door frame: Galvalume - Embossed 26 Ga.
- 8 Alum .063 Diamond Tread 48" High Kickplate on interior and exterior of door and door frame
- 9 One (1) Kason 28 with Locking Assembly Handle
- 10 One (1) Light Centered Over Door Opening
- 11 Two (2) Kason 1346 Brushed Chrome Adjustable / Spring Assisted Hinge
- 12 One (1) Kason 1803 LED Light Fixture w/Bulb, Globe & Nightlight 120V
- 13 One (1) Deluxe Display By ArcticFox™ with Battery Backup

- 14
- 15 ITEM # 2 SECURITY SHELVING
- 16 Manufacturer: Metro
- 17 Qty. One (1) Lot
- 18 1. ~~Seven (7) SEC33K3 Super Erecta® Security Unit, stationary, Metroseal 3™ epoxy-coated corrosion-resistant finish with~~
- 19 ~~Microban® antimicrobial protection, 38-1/2"W x 21-1/2"D x 66-13/16"H, no intermediate shelves~~
- 20 **Eight (8) SEC33K3 Super Erecta® Security Unit, stationary, Metroseal 3™ epoxy-coated corrosion-resistant finish**
- 21 **with Microban® antimicrobial protection, 38-1/2"W x 21-1/2"D x 66-13/16"H, no intermediate shelves**
- 22 **(Addendum 1 dated 08/10/23)**
- 23 2. ~~Twenty One (21) 1836NK3 Super Erecta® Shelf, wire, 36"W x 18"D, plastic split sleeves are included in each carton,~~
- 24 ~~Metroseal 3™ epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection~~
- 25 **Twenty-Four (24) 1836NK3 Super Erecta® Shelf, wire, 36"W x 18"D, plastic split sleeves are included in each carton,**
- 26 **Metroseal 3™ epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection**
- 27 **(Addendum 1 dated 08/10/23)**
- 28 3. ~~Four (4) SEC35EC Super Erecta® Security Unit, mobile, chrome plated finish, 52-3/4"W x 21-1/2"D x 68-1/2"H, no~~
- 29 ~~intermediate shelves, (2) 5MP/5MPB casters, NSF~~
- 30 **Three (3) SEC35EC Super Erecta® Security Unit, mobile, chrome plated finish, 52-3/4"W x 21-1/2"D x 68-1/2"H, no**
- 31 **intermediate shelves, (2) 5MP/5MPB casters, NSF**
- 32 **(Addendum 1 dated 08/10/23)**
- 33 4. ~~Twelve (12) 1848NC Super Erecta® Shelf, wire, 48"W x 18"D, chrome plated finish, plastic split sleeves are included~~
- 34 ~~Nine (9) 1848NC Super Erecta® Shelf, wire, 48"W x 18"D, chrome plated finish, plastic split sleeves are included~~
- 35 **Nine (9) 1848NC Super Erecta® Shelf, wire, 48"W x 18"D, chrome plated finish, plastic split sleeves are included**
- 36 **(Addendum 1 dated 08/10/23)**
- 37

- 38 ITEM # 3 WALK-IN FREEZER
- 39 Manufacturer: Kolpak
- 40 Qty. One (1)
- 41 1. Included in Item #1
- 42

- 43 ITEM # 4 SECURITY SHELVING
- 44 Manufacturer: Metro
- 45 Qty. One (1) Lot
- 46 1. Six (6) SEC33K3 Super Erecta® Security Unit, stationary, Metroseal 3™ epoxy-coated corrosion-resistant finish with
- 47 Microban® antimicrobial protection, 38-1/2"W x 21-1/2"D x 66-13/16"H, no intermediate shelves
- 48 2. Eighteen (18) Super Erecta® Shelf, wire, 36"W x 18"D, plastic split sleeves are included in each carton, Metroseal 3™
- 49 epoxy-coated corrosion-resistant finish with Microban® antimicrobial protection

50

- 51 ITEM # 5-7 SPARE NO.
- 52

- 53 ITEM # 8 WALK-IN COMBINATION COOLER/FREEZER
- 54 Manufacturer: Kolpak
- 55 Qty. One (1)
- 56 1. Combination Cooler/Freezer
- 57 Cooler Interior Dimensions: 6'-0" x 8'-1" x 8'-6 1/4"
- 58 Walls: 4" Class 1 - Foamed in place Urethane

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- 1 Interior and Exterior: Galvalume - Embossed 26 Ga
- 2 Ceiling: 4" Class 1 - Foamed in place Urethane
- 3 Interior and Exterior: Galvalume - Embossed 26 Ga
- 4 Floor Application: 4" Class 1 - Foamed in place Urethane
- 5 Type: Standard 1000# ERA
- 6 Floor Finish: Galvanized - Smooth -16Ga.
- 7 One (1) Kason 1809 LED Light Fixture 115V/220V
- 8 One (1) PC149LOP-2EP, 1 1/2 HP, RLow Temp
- 9 Plus w/Headmaster Pre-Charged Air Cooled Hermetic Condensing Unit
- 10 Amps: 12.6, Ambient Temperature: 91
- 11 Includes Head Pressure Control Valve
- 12 One (1) EL26-066-2EC-PR-4, RLow Temp, Electric Defrost, Amps: 9.8
- 13 Door: 34" x 78" Right Swing Out
- 14 Recessed 8"
- 15 Interior and Exterior Door and Door Frame Galvalume - Embossed 26 Ga
- 16 Alum Diamond Tread Kickplate.063, 48" High
- 17 One (1) Kason 28 with Locking Assembly Handle
- 18 One (1) Kason1825 Heated Pressure Relief Vent
- 19 One (1) Light Centered Over Door Opening
- 20 Stainless Steel 14 ga Threshold,
- 21 Three (3) Kason 1346 Brushed Chrome Adjustable / Spring Assisted Hinge
- 22 One (1) Kason 1803 LED w/Bulb, Globe & Nightlight 120V
- 23 One (1) Deluxe Display By ArcticFox™ with Battery Backup
- 24 Freezer Interior Dimensions: 8'-2" x 8'-1" x 8'-6 1/4"
- 25 Walls: 4" Class 1 - Foamed in place Urethane
- 26 Interior and Exterior: Galvalume - Embossed 26 Ga
- 27 Ceiling: 4" Class 1 - Foamed in place Urethane
- 28 Interior and Exterior: Galvalume - Embossed 26 Ga
- 29 Floor Application: Screed, Vinyl U Shape for Male Bottom Walls
- 30 10'-0" Sq. Ft. Wainscot Aluminum Diamond Tread .063, 48"H across the exposed front of box
- 31 One (1) Kason 1809 LED Light Fixture, 115V/220V
- 32 One (1) PC69MOP-2EP, 3/4 HP, RMedium Temp
- 33 Plus w/Headmaster Pre Charged Air Cooled Hermetic Condensing Unit,
- 34 Amps: 7.4, Ambient Temperature: 95
- 35 Includes Head Pressure Control Valve (Headmaster), Amps: 7.4,
- 36 One (1) AM26-073-1EC-PR-4, RMedium Temp, Air Defrost, Amps: 1.6
- 37 Door: 34" x 78" Right Swing Out
- 38 Recessed 8"
- 39 Interior and Exterior Door and Door Frame: Galvalume - Embossed 26 Ga
- 40 Kickplate, Alum .063 Diamond Tread 48" High
- 41 One (1) Kason 28 Handle with Locking Assembly
- 42 One (1) ea Light Centered Over Door Opening
- 43 Three (3) Kason 1346 Brushed Chrome Adjustable / Spring Assisted Hinge
- 44 One (1) ea Light Fixture - Kason 1803 LED w/Bulb, Globe & Nightlight 120V
- 45 One (1) Deluxe Display By ArcticFox™ with Battery Backup
- 46
- 47 ITEM # 9 BUN / PAN RACK
- 48 Manufacturer: Advance Tabco
- 49 Qty. Seven (7)
- 50 Model: PR20-3K-X
- 51
- 52 1. Mobile Bun Pan Rack, full height, open sides, with 1-1/2" ribbed angle, capacity 20 - 18" x 26" sheet pans, bolted
- 53 extruded aluminum frame, front loading, 69-1/4" high
- 54 2. Seven (7) PRC-1-1 heavy duty plastic rack cover with clear front
- 55
- 56
- 57
- 58

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- 1  
2 ITEM # 10 WALK-IN COOLER SHELVING  
3 Manufacturer: Focus Foodservice  
4 Qty. One (1) Lot  
5  
6 1. Twelve (12) FGN074G Post, 74"H, mobile, grooved at 1" increments, Sanigard™ anti-microbial protection, for wet or  
7 dry storage, green epoxy finish  
8 2. Eight (8) FF2448G Wire Shelf, 800 lb. weight capacity, 24"W x 48"L, for wet or dry storage, zinc underplated steel  
9 wire, green epoxy coated finish  
10 3. Four (4) FF1842G Wire Shelf, 800 lb. weight capacity, 18"W x 42"L, for wet or dry storage, zinc underplated steel wire,  
11 green epoxy coated finish  
12  
13 ITEM # 11 WALK-IN FREEZER  
14 Manufacturer: Custom  
15 Qty. One (1)  
16 1. Included in Item #8  
17  
18 ITEM # 12 WALK-IN FREEZER SHELVING  
19 Manufacturer: Focus Foodservice  
20 Qty. One (1) Lot  
21 1. Twelve (12) Post, 74"H, mobile, grooved at 1" increments, Sanigard™ anti-microbial protection, for wet or dry  
22 storage, green epoxy finish  
23 2. Four (4) Wire Shelf, 800 lb. weight capacity, 18"W x 42"L, for wet or dry storage, zinc underplated steel wire, green  
24 epoxy coated finish  
25 3. Eight (8) Wire Shelf, 800 lb. weight capacity, 18"W x 48"L, for wet or dry storage, zinc underplated steel wire, green  
26 epoxy coated finish  
27  
28 ITEM # 13-15 SPARE NO.  
29  
30 ITEM # 16 MOBILE STORAGE SHELVING  
31 Manufacturer: Focus Foodservice  
32 Qty. One (1) Lot  
33 1. Twelve (12) FGN074G Post, 74"H, mobile, grooved at 1" increments, zinc plated leveling feet, for dry storage,  
34 chromate finish  
35 2. Three (3) FSCASTS5 Caster Set, 5" (12.7 cm) dia., (2) swivel & (2) swivel with brake & bumper, adds 6"H to unit, 250  
36 lbs. capacity per caster, heavy duty, non-marking tread, polyurethane  
37 3. ~~Eight (8) FF2448C Wire Shelf, 800 lb. weight capacity, 24"W x 48"L, for dry storage, zinc plated steel wire, chromate~~  
38 ~~finish, clear coat~~  
39 **Eight (8) FF1848C Wire Shelf, 800 lb. weight capacity, 18"W x 48"L, for dry storage, zinc plated steel wire, chromate**  
40 **finish, clear coat**  
41 **(Addendum 1 dated 08/10/23)**  
42 4. Four (4) FF2436C Wire Shelf, 800 lb. weight capacity, 24"W x 36"L, for dry storage, zinc plated steel wire, chromate  
43 finish, clear coat  
44  
45 ITEM # 17 HAND SINK  
46 Manufacturer: John Boos  
47 Qty. Three (3)  
48 Model: PBHS-W-1410-SSLR-X  
49 1. Pro-Bowl Wall Mount Hand Sink, 14"W x 10" front-to-back x 5" deep bowl, splash mount faucet holes with 4" centers,  
50 1-7/8" drain opening with basket drain, with left & right side splashes, includes mounting bracket, all stainless steel  
51 construction  
52 2. Three (3) PBF-4SM-3GLF-X Heavy Duty Faucet, splash mount, 3-1/2" gooseneck spout, 4" centers, 1/4 turn ceramic  
53 cartridges, color coded hot/cold indicators, integral check valve, 1/2" NPT, chrome finish  
54 3. Three (3) Pair PB-SMMK-90 ADA Wrist Blades, stainless steel, (1 pair), use with heavy duty faucets  
55 4. Three (3) PB-SMMK-90 Splash Mount Faucet Mounting Kit, includes (2) 1/2" supply nipples, (2) retainer nuts, (2) lock  
56 washers, (2) rubber washers and (2) male & female short 90° elbows  
57  
58

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- 1  
2 ITEM # 18 WASTE CONTAINERS  
3 Manufacturer: BY OTHER  
4 Qty. Eleven (11)  
5  
6 ITEM # 19 SOAP AND TOWEL DISPENSERS  
7 Manufacturer: BY OTHER  
8 Qty. Three (3)  
9  
10 ITEM # 20 BUSSING UTILITY TRANSPORT CART  
11 Manufacturer: Lakeside Manufacturing  
12 Qty. ~~Three (3)~~  
13 Qty. **Eight (8)**  
14 **(Addendum 1 dated 08/10/23)**  
15 Model: 311A  
16 1. Light Duty Utility Cart, 3-tier, open base, 300 lbs capacity, 15-1/2" x 24" shelf size, 11-3/4" shelf clearance, (1) push  
17 handle with bumpers, (2) bumpers on front legs, allergen-safe purple bumpers, welded angle frame, stainless steel  
18 construction, 3-1/2" swivel casters  
19  
20 ITEM # 21 ICE MACHINE AND BIN  
21 Manufacturer: Follett LLC  
22 Qty. One (1)  
23 Model: HCC1010ABS  
24 1. Horizon Elite™ Chewblet® Ice Machine, with RIDE® remote ice delivery equipment, air-cooled, self-contained  
25 condenser, for filling Follett ice storage bins, up to 1100 lb production of Chewblet® ice in 24 hours  
26 2. 208-230/60/1, 11.0 amps, NEMA 6-15P  
27 3. Ten Foot (10'-0"L) #00174896 Insulated Polywire Transport Tube, for installations requiring more than the standard  
28 10' length  
29 4. One (1) #00174896 Wall Mount Bracket, for Horizon Elite /W and /W RIDE model ice machines  
30 5. One (1) #DEV860SG-48-75 Ice-DevIce™ with SmartCART™ 75, 860 lb. bin storage capacity, with front chute, poly liner,  
31 SmartGATE ice shield, poly door with PowerHinge™ door hinge, full stainless steel exterior and base, ABS/poly top  
32 custom cut for ice machine, includes 82 oz plastic ice scoop, paddle and rake set, and (1) polyethylene cart with  
33 hinged lid and (3) polyethylene Totes ice carriers, each carrier holds 25 lb/75 lb total per cart, for cube or Chewblet  
34 ice only,  
35 6. One (1) #00978957 High Capacity Water Filter System for use with all Follett ice machines and ice and water  
36 dispensers, filtration capacity  
37 7. One (1) #00978965 Replacement Primary Cartridge, for Follett high capacity water filter system filtration capacity,  
38 single cartridge  
39 8. One (1) #00130211 Replacement Pre-Filter Cartridge, for Follett high capacity carbonless high capacity or standard  
40 capacity water filter systems, single cartridge  
41 9. One (1) case of (12) #010838652 Nu-Calgon IMS-III Sanitizer  
42 10. One (1) case of (6) #01149954 SafeCLEAN Plus, liquid – environmentally responsible ice machine cleaner  
43  
44  
45 ITEM # 22 FLOOR TROUGH  
46 Manufacturer: Advance Tabco  
47 Qty. One (1)  
48 Model: FTG-1248  
49 1. 48"W x 12"D x 4" deep, 14 gauge 304 stainless steel, includes stainless steel subway grating constructed from 3/16" x  
50 1" bars, removable stainless steel strainer basket, 4" O.D. waste pipe 3"L, pitched towards waste  
51  
52 ITEM # 23 SPARE NO.  
53  
54 ITEM # 24 MOBILE WORK TABLE  
55 Manufacturer: Advance Tabco  
56 Qty. Eight (8)  
57 Model: SS-304

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- 1 1. Model 22985 Work Table, 48"W x 30"D, 14 gauge 304 stainless steel top, 18 gauge adjustable stainless steel  
2 undershelf, stainless steel legs  
3 2. Eight (8) TA-255B heavy duty casters with brakes on all wheels  
4 3. Eight (8) OTS-12-48 Table mounter overshelfsingle, 48"W x 12"D, 18 gauge 430 stainless steel; mount as shown on FS  
5 plan  
6 4. Eight (8) 449699 Square edge on overshelf  
7 5. Eight (8) set, 78003 Casters, expanding adapter, for 1-5/8" dia. O.D. tube/table legs, 400 lb capacity per caster, set of  
8 (4), (2) casters with brakes  
9
- 10 ITEM # 25 ONE (1) COMPARTMENT SINK  
11 Manufacturer: Advance Tabco  
12 Qty. ~~Three (3)~~  
13 Qty. **Four (4)**  
14 **(Addendum 1 dated 08/10/23)**  
15 Model: FC-1-1620  
16 1. Single compartment sink without drainboards, bowl size 16" x 20" x 14" deep, 16 gauge 304 stainless steel, tile edge  
17 splash, rolled edge, 8" OC faucet holes, stainless steel legs with adjustable side cross-bracing, 1" adjustable stainless  
18 steel bullet feet  
19 2. Three (3) K-4 Support Bracket, for lever waste drain handle  
20 3. Three (3) K-495 Turn Down Backsplash with wall clips  
21 4. Six (6) K-488 Flanged Bullet Foot, on front legs only  
22 5. Three (3) T&S Brass B-0231 Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2"  
23 IPS eccentric flanged female inlets, lever handles  
24 6. Three (3) T&S Brass B-0199-01 Aerator, non-splash, 55/64" -27 female aerator threads, fits goosenecks & nozzles  
25 7. Three (3) T&S Brass B-0230-K Installation Kit, (2) 1/2" NPT nipples, lock nuts & washers, (2) short "EII" 1/2" NPT  
26 female x male  
27 8. Three (3) T&S Brass B-0230-KIT Inlet Kit, 1/2" NPT nipple, close elbows, 24" flex supply hoses  
28
- 29 ITEM # 26 WASTE CONTAINERS  
30 Manufacturer: BY OTHER  
31
- 32 ITEM # 27 PASS-THRU SHELF  
33 Manufacturer: Advance Tabco  
34 Qty. One (1)  
35 Model: PA-18-96  
36 1. Pass-Thru Shelf, 96"W x 18"D, bull nose front & rear with square sides, 18/430 stainless steel, 1-5/8" stainless steel  
37 tubing post, galvanized hat channel, includes: 3" x 4" stainless steel L-brackets to secure to wall. Work surface will be  
38 1-1/2" higher than the wall it rests on.  
39 2. One (1) TA-22A Square edge on pass-thru shelf  
40
- 41 ITEM # 28-30 SPARE NO.  
42
- 43 ITEM # 31 SHELVING, WALL MOUNTED  
44 Manufacturer: Advance Tabco  
45 Qty. One (1)  
46 Model: WS-12-48-16  
47 1. Model 463683 Shelf, wall-mounted, 48"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 16/304 satin  
48 finish stainless steel  
49 2. One (1) TA-22A Square edge on wall shelf  
50
- 51 ITEM # 32 CLEAN DISHTABLE  
52 Manufacturer: Advance Tabco  
53 Qty. One (1)  
54 Model: DTC-S30-72R  
55 1. Clean Dishtable, straight design, left-to-right operation, 10-1/2"H backsplash, 3" rolled front & side rims, stainless  
56 steel legs & crossrails, 71"W x 30"D x 34"H, 14/304 stainless steel  
57 2. One (1) K-495 Turn Down Backsplash with wall clips  
58 3. Two (2) K-488 Model 70195 Flanged Bullet Foot

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- 1  
2  
3 ITEM # 33 DISHWASHER  
4 Manufacturer: Hobart  
5 Qty. One (1)  
6 Model: AM16T-BASX-2  
7 1. Dishwasher, door type, tall chamber (27"), high temp sanitizing, (field convertible to single phase), 60 racks/hour,  
8 straight-thru or corner, digital controls, Sense-A-Temp™ booster, electric tank heat, pumped rinse, pumped drain,  
9 auto-fill, stainless steel tank, frame, doors & feet, sheet pan rackENERGY STAR®  
10 2. Startup by Factory Trained Technician - Confirmation of correct machine and utility installation; performance check to  
11 ensure machine is operating to factory specifications; adjustments as needed, and customer demo. For installations  
12 within 100 miles of a Hobart Service Office during normal business hours with appropriate notice; beyond 100 miles  
13 contact Hobart Service. See Hobart Service for complete details  
14 3. One (1) DWT-AM16 Drain water tempering (single valve) kit with Pumped Drain Air Gap for BAS and Tall models  
15 4. One (1) WTRHAMARREST-AM16 Water Hammer Arrestor – Assembly includes ¾" brass pressure regulator, pressure  
16 gauge, shock arrestor and garden hose adapter  
17  
18 ITEM # 34 CONDENSATE HOOD  
19 Manufacturer: By Others  
20  
21 ITEM # 35-37 SPARE NO.  
22  
23 ITEM # 38 SOILED DISHTABLE  
24 Manufacturer: Advance Tabco  
25 Qty. One (1)  
26 Model: DTS-S30-84L  
27 1. Soil Dishtable, left-to-right, 10-1/2"H backsplash, with pre-rinse sink, stainless steel legs with crossrails front to back,  
28 83"W, 14/304 stainless steel, Includes prerinse basket with slide bar  
29 2. Turn Down Backsplash with wall clips  
30 3. Two (2) K-488 Flanged Bullet Foot  
31 4. One (1) K-452 Control Bracket 8" x 12"  
32 5. One (1) T&S Brass B-0455 Vacuum Breaker Unit, 1/2" IPS piping, slip flanges for mounting on 45° surface, 6" between  
33 piping  
34 6. One (1) T&S Brass B-0131-B EasyInstall Pre-Rinse Unit, wall mount mixing faucet with 8" adjustable centers, quarter-  
35 turn Eterna cartridges with spring checks, lever handles with color coded indexes, 26" EasyInstall riser with overhead  
36 swivel arm, 20" flexible stainless steel hose with heat-resistant gray handle & hold down ring, 1.15 GPM spray valve  
37 (B-0107), finger hook, 6" adjustable wall bracket, polished chrome-plated brass faucet body, 1/2" NPT female inlets,  
38 CSA  
39 7. One (1) T&S Brass B-0230-K Installation Kit, (2) 1/2" NPT nipples, lock nuts & washers, (2) short "EII" 1/2" NPT female  
40 x male  
41 8. One (1) T&S Brass B-230-KIT Inlet Kit, 1/2" NPT nipple, close elbows, 24" flex supply hoses  
42 9. One (1) T&S Brass B-0156 Add-on Faucet, for Pre-Rinse Units, 12" nozzle, includes 3" nipple  
43  
44 ITEM # 39 DISPOSER W/ PRE-RINSSE SPRAYER  
45 Manufacturer: InSinkErator  
46 Qty. One (1)  
47 Model: SS-200-5-MRS  
48 1. Disposer Package, sink mount system, with #5 adaptor for 3.5" to 4" sink opening, 2 HP motor, stainless steel  
49 construction, includes syphon breaker, solenoid valve, flow control valve, manual reverse switch, adjustable leg kit  
50 2. 208V/60/1PH, 7.7 amps  
51  
52 ITEM # 40 WALL SHELF  
53 Manufacturer: Advance Tabco  
54 Qty. One (1)  
55 Model: WS-12-48-16  
56 1. Wall-mounted shelf, 48"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 16/304 satin finish stainless steel  
57 2. One (1) TA-22A Square edge on overself or wall shelf  
58 3. One (1) TA-60 reduce length as shown on plan

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1  
2 ITEM # 41-44 SPARE NO.  
3  
4 ITEM # 45 SHELVING, WALL MOUNTED  
5 Manufacturer: Advance Tabco  
6 Qty. One (1)  
7 Model: WS-12-48-16 (463683)  
8 1. Model 463683 Shelf, wall-mounted, 48"W x 12"D, 1-5/8" bullnose front edge, 1-1/2"H rear up-turn, 16/304 satin  
9 finish stainless steel, NSF  
10 2. One (1) TA-22A Square edge on overshef or wall shelf  
11  
12 ITEM # 46 FOUR (4) COMPARTMENT SINK  
13 Manufacturer: Advance Tabco  
14 Qty. One (1)  
15 Model: FC-4-1824-18RL  
16 1. Fabricated Sink, 4-compartment, 18" right & left drainboards, bowl size 18" x 24" x 14" deep, 16 gauge 304 stainless  
17 steel, tile edge splash, rolled edge, (2) sets of 8" OC faucet holes, stainless steel legs with adjustable side cross-  
18 bracing, 1" adjustable stainless steel bullet feet, overall 30"D  
19 2. Four (4) K-4 Support Bracket, for lever waste drain handle, (1) support required for each lever drain  
20 3. One (1) K-495 Turn Down Backsplash with wall clips  
21 4. Four (4) K-488 Flanged Bullet Foot  
22 5. One (1) T&S Brass B-0133-12-CRBJK EasyInstall Pre-Rinse Unit, with add-on faucet, splash/wall mount, 8" OC, 44"  
23 flexible stainless steel hose with B-0107-J spray valve, 18" riser, add-on faucet with 12" swing spout, lever handles,  
24 Cerama cartridges with check valves, 6" wall bracket, 1/2" NPT male elbow installation kit, low lead  
25 6. One (1) T&S Brass B-0231 Sink Mixing Faucet, 12" swing nozzle, wall mounted, 8" centers on sink faucet with 1/2" IPS  
26 eccentric flanged female inlets, lever handles  
27 7. One (1) T&S Brass B-0230-KIT Inlet Kit, 1/2" NPT nipple, close elbows, 24" flex supply hoses  
28 8. Four (4) T&S Brass B-3952 Waste Valve, twist handle, 3-1/2" sink opening, 2" drain outlet  
29  
30 ITEM # 47-49 SPARE NO.  
31  
32 ITEM # 50 KITCHEN HOOD AND ST/ST WALL PANELING  
33 Manufacturer: By Others  
34  
35 ITEM # 51 FIRE SUPPRESSION SYSTEM  
36 Manufacturer: By Others  
37  
38 ITEM # 52 CONVECTION OVEN  
39 Manufacturer: Blodgett Oven  
40 Qty. One (1)  
41 Model: ZEPH-100-G DBL  
42 1. Zephaire Convection Oven, gas, double-deck, standard depth, capacity (5) 18" x 26" pans per compartment, (SSI-D)  
43 solid state infinite controls with digital timer, two speed fan, flue connector, dependent glass doors, interior light,  
44 stainless steel front, sides & top, 6" stainless steel legs, 100,000 BTU  
45 2. Natural gas  
46 3. Two (2) 115V/60/1PH, 6.0 amps, 2-wire with ground, cord & plug, 1/2 hp  
47 4. SSI-D Top Oven: Solid State infinite with digital timer, standard  
48 5. SSI-D Bottom Oven: Solid State infinite with digital timer, standard  
49 6. One (1) set 4" low profile plate casters  
50 7. One (1) Gas manifold for double ovens  
51 8. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Hose Assembly, 3/4" inside dia., 48" long,  
52 covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®, (1) Snap'N  
53 Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity  
54  
55 ITEM # 53 TILTING SKILLET BRAISING PAN  
56 Manufacturer: Crown  
57 Qty. One (1)  
58 Model: GS-40

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- 1 1. Tilting Skillet, gas, 40 gallon capacity, manual tilt, electronic ignition, high temp safety cut-off, removable pour
- 2 strainer, etched interior markings, stainless steel construction, tubular legs, adjustable bullet feet front, adjustable
- 3 flanged feet rear, 125,000 BTU
- 4 2. Natural Gas
- 5 3. 120V/50/60/1Ph cord and plug
- 6 4. One (1) PC-3 Pan Carrier
- 7 5. One (1) SF-12 12" single pantry faucet
- 8 6. One (1) FB Faucet bracket
- 9 7. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Hose Assembly, 3/4" inside dia., 48" long,
- 10 covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®, (1) Snap'N
- 11 Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity
- 12

13 ITEM # 54 TILTING KETTLE  
14 Manufacturer: Crown  
15 Qty. One (1)  
16 Model: GLT-40  
17

- 18 1. Tilting Kettle, gas, 40 gallon capacity, 2/3 jacket, thermostatic control, electronic ignition, crank tilt, faucet bracket,
- 19 316 stainless steel interior liner, stainless steel exterior, console & 1-5/8" diameter legs, flanged feet, 100,000 BTU,
- 20 CSA Star, CSA Flame, NSF
- 21 2. Natural Gas
- 22 3. 120V/50/60/1Ph cord and plug
- 23 4. One (1) TVT-2 2" tangent draw off valve includes perforated strainer (location as per spec)
- 24 5. One (1) TPS-2 Perforated Strainer, for 2" draw-offs, standard
- 25 6. One (1) PC-4 Pan Support, for 20-100 gallon tilting kettles
- 26 7. One (1) SF-18 18" single pantry faucet
- 27 8. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Hose Assembly, 3/4" inside dia., 48" long,
- 28 covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®, (1) Snap'N
- 29 Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity
- 30

31 ITEM # 55 FLOOR TROUGH  
32 Manufacturer: Advance Tabco  
33 Qty. One (1)  
34 Model: FTG-2436

- 35 1. Floor Trough, 36"W x 24"D x 4" deep, 14 gauge 304 stainless steel, includes stainless steel subway grating constructed
- 36 from 3/16" x 1" bars, removable stainless steel strainer basket, 4" O.D. waste pipe 3"L, pitched towards waste
- 37

38 ITEM # 56 FLOOR TROUGH  
39 Manufacturer: Advance Tabco  
40 Qty. One (1)  
41 Model: FTG-2436

- 42 1. Floor Trough, 36"W x 24"D x 4" deep, 14 gauge 304 stainless steel, includes stainless steel subway grating constructed
- 43 from 3/16" x 1" bars, removable stainless steel strainer basket, 4" O.D. waste pipe 3"L, pitched towards waste, NSF
- 44

45 ITEM # 57 SPARE NO.  
46

~~47 ITEM # 52 CONVECTION OVEN~~

48 **ITEM # 58 CONVECTION OVEN**

49 **Addendum 1 dated 08/10/23)**

50 Manufacturer: Blodgett Oven  
51 Qty. One (1)  
52 Model: ZEPH-100-G DBL

- 53 1. Zephaire Convection Oven, gas, double-deck, standard depth, capacity (5) 18" x 26" pans per compartment, (SSI-D)
- 54 solid state infinite controls with digital timer, two speed fan, flue connector, dependent glass doors, interior light,
- 55 stainless steel front, sides & top, 6" stainless steel legs, 100,000 BTU
- 56 2. Natural gas
- 57 3. Two (2) 115V/60/1PH, 6.0 amps, 2-wire with ground, cord & plug, 1/2 hp
- 58 4. SSI-D Top Oven: Solid State infinite with digital timer, standard

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- 1 5. SSI-D Bottom Oven: Solid State infinite with digital timer, standard
- 2 6. One (1) set 4" low profile plate casters
- 3 7. One (1) Gas manifold for double ovens
- 4 8. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Hose Assembly, 3/4" inside dia., 48" long,
- 5 covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®, (1) Snap'N
- 6 Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity
- 7
- 8 **ITEM # 59**                                   **THERMOSTATIC GRIDDLE**
- 9 **Manufacturer:**                           **Southbend**
- 10 **Qty.**                                       **One (1)**
- 11 **Model:**                                   **436D-3T**
- 12 1. Ultimate Restaurant Range, gas, 36" griddle, thermostatic controls, standing pilot, (1) standard oven with battery
- 13 spark ignition, includes (1) rack, 22-1/2" flue riser with shelf, stainless steel front, sides, shelf & casters, 2 locking,
- 14 109,000 BTU
- 15 2. One (1) 22.5" high flue riser, with heavy duty shelf
- 16 3. Natural Gas
- 17 4. Battery spark ignition
- 18 5. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Hose Assembly, 3/4" inside dia., 48" long,
- 19 covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®, (1) Snap'N
- 20 Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity
- 21
- 22 **ITEM # 60**                                   **CHARBROILER**
- 23 **Manufacturer:**                           **Southbend**
- 24 **Qty.**                                       **One (1)**
- 25 **Model:**                                   **436D-3C**
- 26 1. Ultimate Restaurant Range, gas, 36" charbroiler, standing pilot, (1) standard oven with battery spark ignition, includes
- 27 (1) rack, 22-1/2" flue riser with shelf, stainless steel front, sides, shelf & casters, 141,000 BTU
- 28 2. 22.5" high flue riser, with heavy duty shelf, standard
- 29 3. Natural Gas
- 30 4. 10" riser in lieu of standard 22.5" high back riser
- 31 5. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Hose Assembly, 3/4" inside dia., 48" long,
- 32 covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®, (1) Snap'N
- 33 Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity
- 34
- 35 **ITEM # 61**                                   **6 BURNER RANGE**
- 36 **Manufacturer:**                           **Southbend**
- 37 **Qty.**                                       **One (1)**
- 38 **Model:**                                   **X-4361D**
- 39
- 40 1. Restaurant Range, gas, 36", (6) non-clog burners, standard grates, standing pilot, (1) standard oven with battery spark
- 41 ignition, includes (1) rack, 22-1/2" flue riser with shelf, stainless steel front, sides, shelf & casters, 243,000 BTU
- 42 2. Natural Gas
- 43 3. One (1) Dormont 1675BPQ2SR48 Blue Hose™ Moveable Gas Connector Connector Hose Assembly, 3/4" inside dia.,
- 44 48" long, covered with stainless steel braid, coated with blue antimicrobial PVC, (1) SnapFast® QD, (2) Swivel MAX®,
- 45 (1) Snap'N Go, coiled restraining cable with hardware, 160,000 BTU/hr minimum flow capacity
- 46
- 47 **ITEM # 62**                                   **KITCHEN HOOD**
- 48 **Manufacturer:**                           **By Other**
- 49
- 50 **ITEM # 63-65**                           **SPARE NO.**
- 51
- 52 **ITEM # 64**                                   **STAINLESS STEEL PANELS AND END CAPS.**
- 53 **Manufacturer:**                           **By Other**
- 54
- 55
- 56
- 57
- 58

**TOPOGRAPHIC SYMBOL LEGEND**

- EXISTING BOLLARD
- EXISTING FLAG POLE
- EXISTING MONITORING WELL
- EXISTING SIGN
- EXISTING CURB INLET
- EXISTING ENDWALL
- EXISTING FIELD INLET RECTANGULAR
- EXISTING ROOF DRAIN
- EXISTING STORM MANHOLE
- EXISTING STORM MANHOLE RECTANGULAR
- EXISTING SANITARY CLEANOUT
- EXISTING SANITARY MANHOLE
- EXISTING FIRE HYDRANT
- EXISTING FIRE DEPARTMENT CONNECTION
- EXISTING WATER MAIN VALVE
- EXISTING WATER MANHOLE
- EXISTING GAS VALVE
- EXISTING GAS METER
- EXISTING AIR CONDITIONING PEDESTAL
- EXISTING DOWN GUY
- EXISTING ELECTRIC MANHOLE
- EXISTING ELECTRIC RECTANGULAR MANHOLE
- EXISTING ELECTRIC PEDESTAL
- EXISTING TRANSFORMER
- EXISTING ELECTRIC METER
- EXISTING LIGHT POLE
- EXISTING UTILITY POLE
- EXISTING TELEPHONE MANHOLE
- EXISTING UNIDENTIFIED MANHOLE
- EXISTING HANDICAP PARKING
- EXISTING TRAFFIC SIGNAL
- EXISTING SHRUB
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- EXISTING BORING
- EXISTING STEEL PIPE IN CONCRETE
- EXISTING CONCRETE

**DEMOLITION PLAN LEGEND**

- CURB AND GUTTER REMOVAL
- ASPHALT REMOVAL
- CONCRETE REMOVAL
- BUILDING REMOVAL
- TREE REMOVAL
- SAWCUT
- UTILITY STRUCTURE REMOVAL
- UTILITY LINE REMOVAL

**EROSION CONTROL LEGEND**

- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- PROPOSED MAJOR CONTOURS
- PROPOSED MINOR CONTOURS
- SILT FENCE
- CLASS II SILT SOCK
- DISTURBED LIMITS
- INLET PROTECTION
- EROSION MAT CLASS I TYPE B
- EROSION MAT CLASS II TYPE A
- TRACKING PAD
- RIP RAP

**TOPOGRAPHIC LINEWORK LEGEND**

- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD CABLE TV
- EXISTING FIBER OPTIC LINE
- EXISTING UNDERGROUND TELEPHONE
- EXISTING CHAIN LINK FENCE
- EXISTING WROUGHT IRON FENCE
- EXISTING WOOD FENCE
- EXISTING GAS LINE
- EXISTING UNDERGROUND ELECTRIC LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING OVERHEAD GENERAL UTILITIES
- EXISTING SANITARY FORCE MAIN (SIZE NOTED)
- EXISTING SANITARY SEWER LINE (SIZE NOTED)
- EXISTING ABANDONED SANITARY SEWER LINE
- EXISTING STORM SEWER LINE (SIZE NOTED)
- EXISTING WATER MAIN (SIZE NOTED)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GUARD RAIL
- EXISTING LANDSCAPING EDGE

**PROPOSED UTILITY LEGEND**

- STORM SEWER PIPE
- STORM SEWER MANHOLE
- STORM SEWER ENDWALL
- STORM SEWER CURB INLET
- STORM SEWER CURB INLET W/MANHOLE
- STORM SEWER FIELD INLET
- ROOF DRAIN CLEANOUT
- SANITARY SEWER PIPE (GRAVITY)
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER SERVICE
- FIRE HYDRANT
- WATER VALVE
- PROPOSED PIPE INSULATION
- GAS MAIN
- ELECTRIC SERVICE
- FIBER OPTIC SERVICE

**ABBREVIATIONS**

- STMH - STORM MANHOLE
- FI - FIELD INLET
- CI - CURB INLET
- CB - CATCH BASIN
- EW - ENDWALL
- SMH - SANITARY MANHOLE

**EXISTING CONDITIONS NOTES:**

- THIS SURVEY IS BASED UPON FIELD SURVEY WORK PERFORMED ON NOVEMBER 13-21 AND DECEMBER 4, 5 & 11, 2019. ANY CHANGES IN SITE CONDITIONS AFTER DECEMBER 11, 2019 ARE NOT REFLECTED BY THIS SURVEY.
- UTILITY LOCATIONS WERE FIELD LOCATED BASED UPON SUBSTANTIAL, VISIBLE, ABOVE GROUND STRUCTURES, UPON MAPS PROVIDED TO THE SURVEYOR, OR UPON MARKINGS ON THE GROUND PLACED BY UTILITY COMPANIES AND/OR THEIR AGENTS PER DIGGERS' HOTLINE TICKET NUMBERS 20194609101, 20194609941 AND 20194609957. NO WARRANTY IS GIVEN TO THE UTILITY MARKINGS BY OTHERS OR THAT ALL UNDERGROUND UTILITIES AFFECTING THIS PROPERTY WERE MARKED AND SUBSEQUENTLY LOCATED FOR THIS SURVEY. THE SIZE OF WATER MAIN AND SANITARY SEWER HAS BEEN NOTED PER MAPS PROVIDED TO THE SURVEYOR. PRIVATE UTILITIES WERE NOT LOCATED AS PART OF THIS PROJECT.
- THE GARAGE BUILDINGS ARE CONCRETE FOUNDATION WALLS WITH A STYROFOAM STUCCO FINISH WHICH IS GENERALLY 0.1' THICK. THE LOWER ACCENT STUCCO IS 0.17' THICK. BUILDINGS WERE LOCATED TO THE EDGE OF THE STUCCO. GARAGE BUILDING WALLS AND DIMENSIONS SHOWN HEREON ARE TO THE CONCRETE FOUNDATION WALLS.
- THE APPROXIMATE LOCATION AND SIZE OF THE UNDERGROUND FUEL TANKS ARE SHOWN PER THE POTTER LAWSON SITE PLAN DATED 7-27-1992, PROJECT NUMBER 9202600, AS PROVIDED BY THE CITY OF MADISON ENGINEERING DEPARTMENT.
- ALL BORINGS DEPICTED IN THE SOIL BORING LOCATION EXHIBIT PREPARED BY CGC, INC., JOB NO. 19051-10, ARE SHOWN, EXCEPT FOR BORING NUMBERS 4, 5, 9, 13 & 14 WERE NOT FOUND AND ARE SHOWN HEREON PER THE CGC, INC. EXHIBIT MAP.
- ELEVATIONS DEPICTED HEREON ARE BASED UPON THE NAVD83(1991) DATUM AS PROVIDED BY CITY OF MADISON ENGINEERING DEPARTMENT. A BENCHMARK LEVEL CIRCUIT BY VIERBICHER ESTABLISHED ELEVATIONS ON ALL CONTROL POINTS AND BENCHMARKS. TOPOGRAPHIC DATA WAS COLLECTED BY ROBOTIC TOTAL STATION AND GPS.
- BEARINGS ARE REFERENCED TO GRID NORTH PER THE WISCONSIN COUNTY COORDINATE SYSTEM-DANE COUNTY ZONE, NAD 83(1997) AS ESTABLISHED FROM CONTROL PROVIDED BY THE CITY OF MADISON ENGINEERING DEPARTMENT.
- THE RIGHT-OF-WAY OF EAST JOHNSON STREET AND NORTH FIRST STREET WAS ESTABLISHED PER THE TRANSPORTATION PROJECT PLAT NO'S. 5992-09-09-4.02, AND 5992-09-09-4.03, RECORDED AS DOCUMENT NUMBERS 5392054 AND 5392055.
- THIS SURVEY IS BASED UPON A REPORT OF TITLE-UPDATE, FILE NOS. 820577L & 820574L, DATED DECEMBER 20, 2019, AS PROVIDED BY KNIGHT BARRY TITLE GROUP, 2450 RIMROCK ROAD, SUITE 204, MADISON, WI 53713.
- THIS SURVEY MAP WAS PREPARED AT THE REQUEST OF THE CITY OF MADISON ENGINEERING DEPARTMENT, ROOM 115, CITY COUNTY BUILDING, 210 MARTIN LUTHER KING JR. BOULEVARD, MADISON, WI, 53703-3346.

**GENERAL NOTES:**

- INSTALL A TRACKING PAD WITH MINIMUM DIMENSIONS OF 50'L X 20"W X 1.5"D AT THE SITE EXIT. THE TRACKING PAD SHALL BE MAINTAINED/REPAIRED FREQUENTLY TO AVOID THE TRACKING OF SEDIMENT OUTSIDE OF CONSTRUCTION LIMITS.
- THE CONTRACTOR IS REQUIRED TO MAKE EROSION CONTROL INSPECTIONS AT THE END OF EACH WEEK AND WHEN 0.5 INCHES OF RAIN FALLS WITHIN 24 HOURS. INSPECTION REPORTS SHALL BE PREPARED AND FILED AS REQUIRED BY THE DNR. ALL MAINTENANCE/REPAIR WILL FOLLOW AN INSPECTION WITHIN 24 HOURS.
- UTILITY STRUCTURE RIM AND TOP OF CURB ELEVATIONS ON PLANS ARE APPROXIMATE. ALL UTILITY STRUCTURES SHALL BE SET TO FINAL ELEVATIONS AFTER THE CURB & GUTTER AND BASE COURSE HAVE BEEN INSTALLED.
- THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE CAUSED DURING CONSTRUCTION TO PUBLIC PROPERTY, PRIVATE PROPERTY OR UTILITIES.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR REVIEW BY THE ENGINEER, PRIOR TO PLACING AN ORDER OF ANY SUCH ITEM.
- EXISTING TOPOGRAPHIC INFORMATION IS BASED ON FIELD OBSERVATIONS AND/OR PLAN OF RECORD DRAWINGS. CONTRACTOR SHALL VERIFY TOPOGRAPHIC INFORMATION PRIOR TO STARTING CONSTRUCTION.
- CONTRACTOR SHALL FIELD VERIFY LOCATION OF EXISTING SANITARY SEWER, STORM SEWER AND WATER MAIN PRIOR TO CONSTRUCTION TO ENSURE PROPER CLEARANCE OF THE NEW UTILITIES. CONTRACTOR MUST TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THE EXISTING UTILITIES AND ANY REPAIRS NEEDED AS A RESULT OF THE DAMAGE SHALL BE AT THE EXPENSE OF THE CONTRACTOR REGARDLESS OF THE LOCATION MARKED IN THE FIELD OR SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL REMOVE ANY SEDIMENT TRACKED ONTO ADJACENT ROADS BY MEANS OF STREET SWEEPING (NOT FLUSHING) AT A MINIMUM OF THE END OF EACH WORK DAY OR MORE AS NEEDED.
- RIGHT OF WAY (ROW) AND PROPERTY LINES ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING PROPERTY CORNER MONUMENTATION. ANY MONUMENTS DISTURBED BY CONTRACTOR SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- CONTRACTOR SHALL COORDINATE WITH DRY UTILITY COMPANY'S REGARDING ANY POTENTIAL CONFLICTS AND COORDINATE RELOCATIONS AS MAY BE REQUIRED. CONTRACTOR SHALL ALSO COORDINATE THE PROPOSED INSTALLATION OF NEW FACILITIES AS REQUIRED.
- INSTALL WATER MAIN/SERVICES AT ADEQUATE DEPTH (MIN 6.5' OF COVER) TO AVOID CONFLICT WITH PROPOSED SANITARY SEWER AND STORM SEWER PER DNR STANDARDS.
- SANITARY MANHOLES WITH SEWER MAIN CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN EXTERNAL DROP. MANHOLES WITH SEWER LATERAL CONNECTIONS GREATER THAN 2' ABOVE THE LOWEST INVERT SHALL BE CONSTRUCTED WITH AN INTERNAL DROP.
- INSTALL 1 SHEET OF 4'x8'x4" HIGH DENSITY POLYSTYRENE INSULATION AT ALL LOCATIONS WHERE STORM SEWER CROSSES WATER MAIN OR WATER SERVICE LATERALS. PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
- CONTOURS ARE SHOWN FOR PURPOSES OF INDICATING ROUGH GRADING. FINAL GRADES SHALL BE ESTABLISHED ON PAVED SURFACES BY USING SPOT GRADES ONLY.
- CONTRACTOR SHALL DEEP TILL ANY DISTURBED AREAS AFTER CONSTRUCTION IS COMPLETE AND BEFORE RESTORING.
- CONTRACTOR SHALL UTILIZE DIRECTIONAL TRACKING ON SLOPES AS A TEMPORARY GRADING PRACTICE TO CREATE RIDGES FROM VEHICLE TRACKS WHICH PREVENT SOIL EROSION.
- CONTRACTOR SHALL REPORT ANY UNDOCUMENTED MONITORING WELLS FOUND ONSITE TO THE ENGINEER PRIOR TO DECOMMISSIONING. ENGINEER TO APPROVE DECOMMISSIONING OF UNDOCUMENTED MONITORING WELLS PRIOR TO DECOMMISSIONING.

**DEMOLITION NOTES:**

- CONTRACTOR SHALL KEEP ALL CITY STREETS FREE AND CLEAR OF CONSTRUCTION RELATED DIRT/DUST/DEBRIS.
- INSTALL ALL APPLICABLE EROSION CONTROL MEASURES PRIOR TO STARTING DEMOLITION.
- ALL SAWCUTTING SHALL BE FULL DEPTH TO PROVIDE A CLEAN EDGE TO MATCH NEW CONSTRUCTION. MATCH EXISTING ELEVATIONS AT POINTS OF CONNECTION FOR NEW AND EXISTING PAVEMENT, CURB, SIDEWALKS, ETC. ALL SAWCUT LOCATIONS SHOWN ARE APPROXIMATE AND MAY BE FIELD ADJUSTED TO ACCOMMODATE CONDITIONS, JOINTS, MATERIAL TYPE, ETC. REMOVE MINIMUM AMOUNT NECESSARY FOR INSTALLATION OF PROPOSED IMPROVEMENTS.
- CONTRACTOR SHALL PROVIDE AND SHALL BE RESPONSIBLE FOR ANY NECESSARY TRAFFIC CONTROL SIGNAGE AND SAFETY MEASURES DURING DEMOLITION AND CONSTRUCTION OPERATIONS WITHIN OR NEAR THE PUBLIC ROADWAY.
- COORDINATE TREE REMOVAL WITH LANDSCAPE ARCHITECT. ALL TREES TO BE REMOVED SHALL BE REMOVED IN THEIR ENTIRETY AND STUMPS SHALL BE GROUND TO 12" BELOW PROPOSED SUBGRADE. ALL BRUSH SHALL BE CLEARED/REMOVED WITHIN DISTURBANCE LIMITS.
- IF APPLICABLE, PROVIDE TREE PROTECTION FENCING PRIOR TO CONSTRUCTION OPERATIONS. MAINTAIN THROUGHOUT CONSTRUCTION.
- COORDINATE ABANDONMENT OF ELECTRICAL LINES WITH ELECTRICAL ENGINEER AND OWNER PRIOR TO DEMOLITION.
- CONTRACTOR SHALL OBTAIN ANY NECESSARY DEMOLITION AND UTILITY ABANDONMENT/PLUGGING PERMITS FROM THE LOCAL MUNICIPALITY/UTILITY AGENCY.
- ANY DAMAGE TO THE CITY PAVEMENT, INCLUDING DAMAGE RESULTING FROM CURB REPLACEMENT, WILL REQUIRE RESTORATION IN ACCORDANCE WITH THE CITY STANDARDS.

**UTILITY NOTES:**

- SANITARY & STORM SEWER LENGTHS SHOWN ARE FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. STORM SEWER END SECTIONS ARE INCLUDED IN THE LENGTH AND SLOPE OF THE PIPE.
- CONTRACTOR SHALL INVESTIGATE ALL UTILITY CROSSINGS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL UTILITY STRUCTURES TO FINISHED GRADE (MANHOLE RIMS, WATER VALVES, AND CURB STOPS), IF NECESSARY.
- FOR ALL SEWER AND WATER MAIN CROSSINGS: PROVIDE MINIMUM 18" SEPARATION WHEN WATER MAIN CROSSES BELOW SEWER AND MINIMUM 6" SEPARATION WHEN WATER MAIN CROSSES ABOVE SEWER.
- IF DEWATERING OPERATIONS EXCEED 70 GALLONS PER MINUTE OF PUMPING CAPACITY, A DEWATERING WELL PERMIT SHALL BE OBTAINED PRIOR TO STARTING ANY DEWATERING ACTIVITIES.
- A COPY OF THE APPROVED UTILITY PLANS, SPECIFICATIONS AND PLUMBING PERMIT APPROVAL LETTER SHALL BE ON-SITE DURING CONSTRUCTION AND OPEN TO INSPECTION BY AUTHORIZED REPRESENTATIVES OF THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES AND OTHER LOCAL INSPECTORS.
- STORM BUILDING SEWER PIPE SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-6 OF SPS 384.30(3)(c).
- PRIVATE WATER SERVICES AND PRIVATE WATER MAINS SHALL CONFORM TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-7 OF SPS 384.30(4)(a).
- PRIVATE SANITARY SEWER AND LATERALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D3034 - SDR 35 OR APPROVED EQUAL MATERIAL THAT CONFORMS TO ONE OF THE STANDARDS LISTED IN TABLE 384.30-3 OF SPS 384.30(2)(c).
- A MEANS TO LOCATE BURIED UNDERGROUND EXTERIOR NON METALLIC SEWERS/MAINS AND WATER SERVICES/MAINS MUST BE PROVIDED WITH TRACER WIRE OR OTHER METHODS IN ORDER TO BE LOCATED PER SPS 382.10(11)(h) AND SPS 382.40(6)(k).
- EXTERIOR WATER SUPPLY PIPING SETBACKS AND CROSSINGS SHALL BE IN ACCORDANCE WITH SPS 382.40(8)(b).
- NO PERSON MAY ENGAGE IN PLUMBING WORK IN THE STATE UNLESS LICENSED TO DO SO BY THE DEPARTMENT OF SAFETY AND PROFESSIONAL SERVICES PER S.145.06.
- THE CONTRACTOR SHALL LEAVE SANITARY AND WATER LATERALS FIVE (5) FEET SHORT (HORIZONTALLY) FROM THE BUILDING. BUILDING PLUMBER SHALL VERIFY SIZE, LOCATION, AND INVERT ELEVATION OF PROPOSED SANITARY AND WATER LATERALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE EXISTING VALVES WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. THE CITY IS NOT RESPONSIBLE FOR ANY COSTS INCURRED DUE TO THE CONTRACTOR NOT VERIFYING THAT THE EXISTING VALVE WILL HOLD THE PRESSURE TEST PRIOR TO CONNECTION. IF A NEW VALVE IS REQUIRED, THE APPLICANT WILL BE REQUIRED TO INSTALL ONE AT THEIR EXPENSE, AT THE POINT OF CONNECTION.
- CLEAN OUT ALL EXISTING AND PROPOSED STORM INLETS AND CATCH BASINS AT THE COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY RAY SCHNEIDER (608)-347-3628, RAYS@MADSEWER.ORG 5 DAYS PRIOR TO INSTALLING MMSD MANHOLE TO ARRANGE FOR PERMITTING AND INSPECTION OF THE MANHOLE INSTALLATION. STRUCTURE SHALL CONFORM TO ALL MMSD SPECIFICATIONS. CONTRACTOR RESPONSIBLE FOR MMSD PERMIT FEE. MMSD CASTING IS REQUIRED WHICH WILL BE ORDERED BY MMSD AND REIMBURSED BY THE CONTRACTOR.

**AGENCIES:**

EMERGENCY-FIRE, RESCUE, AMBULANCE, POLICE DIAL 911

MADISON METROPOLITAN SEWERAGE DISTRICT  
1610 MOORLAND ROAD  
MADISON, WI 53714-3398  
PHONE: 608-222-1201  
JEN HURLEBAUS, PE

MADISON POLICE DEPARTMENT  
211 S. CARROL ST  
MADISON, WI 53703  
PHONE: 608-255-2345 NON-EMERGENCY

MADISON FIRE DEPARTMENT  
314 W. DAYTON ST.  
MADISON, WI 53703  
PHONE: 608-266-4420 NON-EMERGENCY

MADISON METRO  
1245 E. WASHINGTON AVE.  
SUITE 201  
MADISON, WI 53703  
TIM SOBOTA  
PHONE: 608-261-4289

Sheet List Table	
Sheet Number	Sheet Title
C000	Notes & Legends
C001	Existing Conditions Plan
C101	Demolition Plan
C201	Erosion Control Plan
C301	Utility Plan
C401	Construction Details - 1
C402	Construction Details - 2
C403	Construction Details - 3
C404	Construction Details - 4
C405	Construction Details - 5
C406	Construction Details - 6

**EXISTING STORM STRUCTURE TABLE**

NAME	TYPE	RIM	INVERT	DIRECTION
ST1	ENDW		847.90	NE
ST2	FIN	851.53	848.33	NW
			848.45	SE
			848.69	SW
ST3	FIN	851.23	849.30	NE
			849.05	W
ST4	FIN	851.84	849.76	S
ST5	FIN	850.80	847.86	NW
			847.80	SE
			847.10	SE
			847.02	NE
ST7	CIN	850.26	848.15	SE
ST8	FIN	851.15	846.61	NW
			846.92	NE
			846.67	SE
			846.70	SW
ST9	FIN	851.03	846.59	NW
ST10	STMH	851.22	bot'd	
ST11	STMH	851.23	847.15	NW
			846.53	NE
			846.88	SE
			846.68	SW
ST12	CIN	850.36	846.03	E
			846.04	S
ST13	CIN	850.47	846.36	NE
ST14	CIN	850.95	845.76	NW
			845.70	NE
			845.84	SW
ST15	STMH	849.81	845.14	NW
			845.14	NE
			845.14	SW
ST16	CIN	849.65	845.61	NW
			845.44	NE
ST17	FIN	849.00	845.70	NW
			845.69	SE
ST18	FIN	848.97	845.77	SE
ST19	CIN	849.85	845.80	NE
ST20	CIN	849.93	847.00	NW
ST21	CIN	850.57	846.17	NW
			846.65	SE
ST22	STMH	851.95	841.95	BOTTOM
ST23	STMH	BURIED-CITY TQ		N
			DIG UP	SW
ST24	STMH	853.17	842.12	BOTTOM
ST25	CIN	852.76	847.58	NW
			846.41	NE
			846.31	SE
ST26	CIN	851.90	846.88	NW
ST27	FIN	852.77	846.26	NW

**UTILITIES:**

MG&E (GAS & ELECTRIC)  
PO BOX 1231  
MADISON WI 53701  
SHAUN ENDRES  
PHONE: 608-252-7224 (O)  
608-516-7913 (C)

CHARTER COMMUNICATIONS (CABLE TV)  
2701 DANIELS STREET  
MADISON, WI 53718  
JON MARSCHKE  
PHONE: 608-225-2479

TDS (TELEPHONE + FIBER)  
1912 PARKER ST  
MIDDLETON, WI 53562  
JERRY MYERS  
PHONE: 608-664-4404

CITY OF MADISON - CITY ENGINEER  
CITY-COUNTY BUILDING, ROOM 115  
210 MARTIN LUTHER KING JR. BOULEVARD  
MADISON, WI 53703  
JIM WOLFE, P.E.  
PHONE: 608-266-4099

CITY OF MADISON - SANITARY AND STORM SEWER ENGINEER  
CITY-COUNTY BUILDING, ROOM 115  
210 MARTIN LUTHER KING JR. BOULEVARD  
MADISON, WI 53703  
GREG FRIES  
PHONE: 608-267-1199

CITY OF MADISON - WATER UTILITY  
119 EAST OLIN AVE.  
MADISON, WI 53703  
TOM HEIKKINEN, GENERAL MANAGER  
PHONE: 608-266-4651



THE LOCATION OF EXISTING UTILITIES, BOTH UNDERGROUND AND OVERHEAD ARE APPROXIMATE ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL EXISTING UTILITIES WHETHER SHOWN ON THESE PLANS OR NOT, BEFORE COMMENCING WORK, AND SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.

CALL DIGGER'S HOTLINE  
1-800-242-8511

**EXISTING SANITARY STRUCTURE TABLE**

NAME	TYPE	RIM	INVERT	DIRECTION
S1	SMH	853.93	832.79	NE
			832.79	SW
S2	SMH	852.13	832.75	NE
			846.44	SE
			832.63	SW
S3	SMH	851.22	841.58	NW
			842.62	NE
S4	SMH	852.14	832.56	SE
			832.64	SW
S5	SMH	852.63	832.63	NW
			832.41	NE
S6	FM-SMH	852.63	846.30p	NE-SW fm
S7	SMH	851.09	836.26	N
			836.33	E
S8	SMH	851.37	836.95	NE
			836.84	S
S9	SMH	851.44	837.32	NW
			837.16	NE
			842.49	E
			837.14	SW
S10	SMH	850.97	837.28	NW
			843.99	NE-SE fm
			837.73	SE
S11	SMH	850.49	837.26	N
			837.24	SE
S12	SMH	849.13	837.46	NW
			839.57	NE
			837.41	SW
S13	SMH	850.12	837.64	E
			837.76	N
S14	SMH	849.36	plugged	N
			842.09	NE
			841.34	SE
			841.33	SW
S15	SMH	849.61	841.89	NW
			plugged	NE
			841.92	SE
S16	SMH	851.20	846.55	NE
			846.66	SW
S17	SMH	850.52	843.64	NW
			843.87	NE

**Architecture and Interiors**

MSRDesign  
510 Marquette Avenue South, Suite 200  
Minneapolis, MN 55402 | 612.375.0396

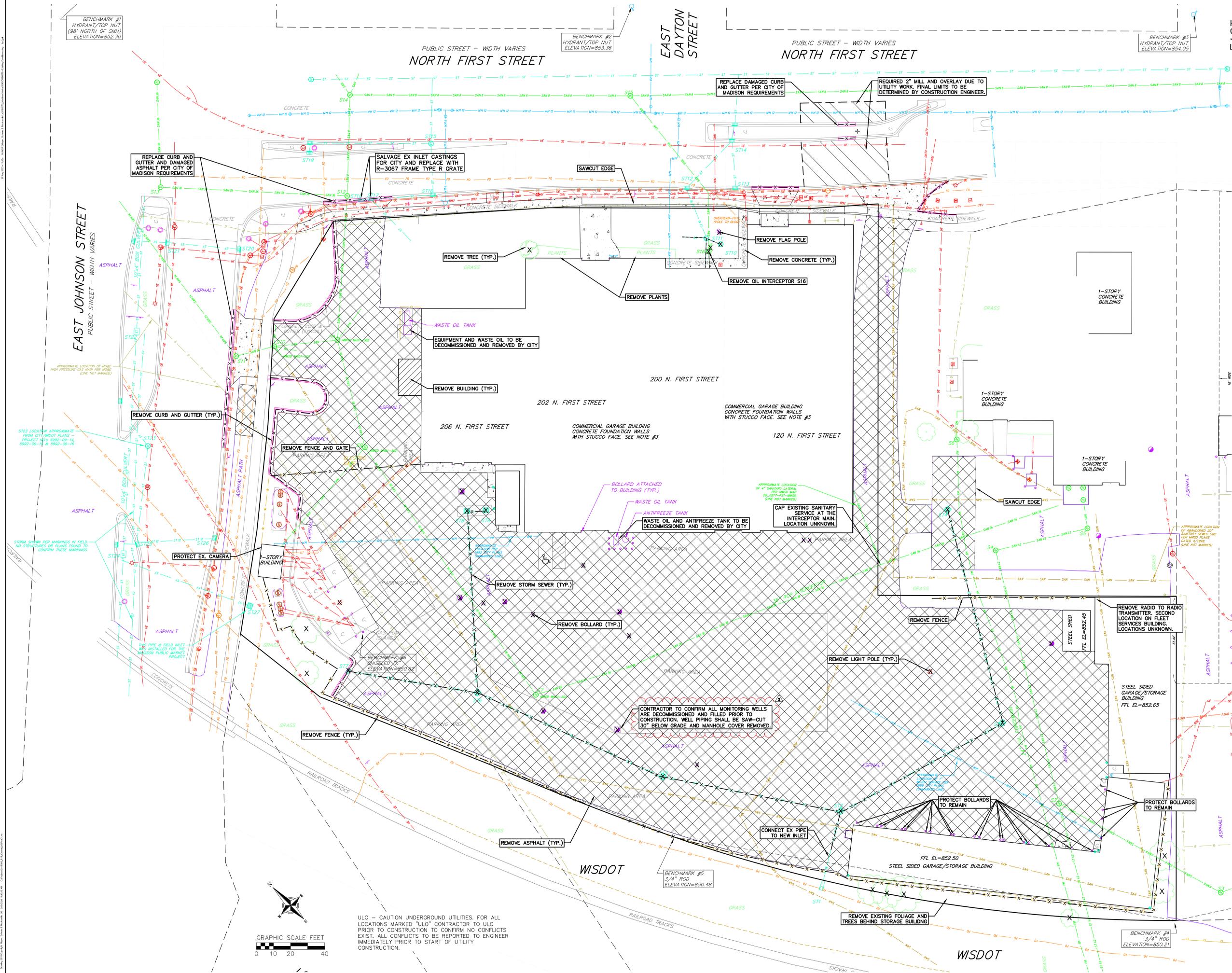
MEP Engineer **Salas O'Brien**

**Salas O'Brien**  
2801 Metro Drive, Suite 225  
Bloomington, MN 55425 | 651.379.9121

Civil Engineer **Vierbicher**

**Vierbicher**  
988 Fourar Dr, Suite 201,  
Madison, WI 53717 | 608.826.0532

Landscape Architect **Ken Saiki Design**



- Architecture and Interiors  
**MSRDesign**  
 510 Marquette Avenue South, Suite 200  
 Minneapolis, MN 55402 | 612.375.0336
- MEP Engineer  
**Salas O'Brien**  
 2901 Metro Drive, Suite 225  
 Bloomington, MN 55425 | 612.375.9121
- Civil Engineer  
**Vierbicher**  
 999 Fourth St, Suite 201  
 Madison, WI 53717 | 608.626.0532
- Landscape Architect  
**Ken Saiki Design**  
 1110 S. Park St.  
 Madison, WI 53715 | 608.251.3600
- Structural Engineering,  
 Fire Protection Engineering, Technology and AV  
**IMEG Corporation, Inc. IMEG**  
 1800 Deming Way, Suite 200,  
 Madison, WI 53762
- Lighting Design  
**Mazzetti, Inc. MAZZETTI**  
 1800 Stout St, Suite 450  
 Denver, CO 80202 | 720.644.5044
- Commercial Kitchen Design  
**Boelter Premier Boelter premier**  
 7120 Northland Terrace,  
 Minneapolis, MN 55428 | 763.544.8800

Project No: 201800620

# MADISON PUBLIC MARKET

202 N First St, Madison, WI 53704

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the Laws of the State of Wisconsin.

Architect Seal  


Signature: *Sarah V. Church*  
 Print Name: Sarah V. Church  
 Date: 8/7/2023 License No: E-39369

**BID DOCUMENTS**

**ISSUE / REVISION**

Mark	Date	Description
1	2023.08.09	BID DOCUMENTS
2	2023.08.10	ADDENDUM 1

DEMOLITION PLAN

# C101