Red Door Grill -Lee's Summit Streets of Pryor Streets of Pryor, Lot 1

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PVG Properties II LLC

Kansas City, MO 64111

PMIX

3612 Karnes Blvd. Suite 111

Project Information

Owner / Developer:

K-3

K-4

Zoning:

Adjoining Tract Use: Undeveloped commercial tracts zoned PMIX

Project Narrative:

The project consists of a new building for a restaurant, Red Door Woodfired Grill. The restaurant is open to the public from 10 a.m. until 11 p.m.

Annotations and Symb	<u>pols</u>			
Detail Number —	A1	Interior Elevation	0 2' 4' 8'	Graphic Scale
Sheet Number	201		● Name Elevation	Elevation Mark
Detail Number 🔶 A		Detail	000-0	Door Number
Sheet Number	51	Reference	NAME	Room Name Room Numbe
Detail Number		Section	2	D
Sheet Number	51/	Relefence		Revision Reference
Detail			00'-00"	Ceiling Height
1/8" = 1'-0"	iew Name	View Title	——— A	Wall Tag
Sca	le		\wedge	North Arrow
	Symb	ols Legend		
1/4" = 1'-0"				

WOODFIRED GRILL

General Notes:

The execution of this project and acceptance thereof shall be governed by the criteria stated in AIA Document A201, General C Contract for Construction. this AIA document sets out the rights, responsibilities and relationships of the owner, contractor and a incorporated by this reference into the contractual obligation of the parties noted therein.

The following notes are a partial list of requirements/instructions that are to supplement these "general conditions of the contract Where one is more restrictive, it shall take precedence.

- The architect appreciates your experience and perspective. If you have questions or observations please bring them to our attention. In a competitive bidding arrangement, we will make public all comments or clarifications so that everyone bidding the work is equally educated. The last thing we want is the bidder with the least information to be awarded the work.
- Means and methods are the perogative of the contractor; the intent of the documents and the dictated results are not. While we understand there is usually more than one way to skin a cat, just because that's the way you've always done it may not make it right for this project. Get answers to your questions, seek clarification and/or a review of your ideas <u>BEFORE</u> you place a bid. Because we respect you and the others who bid this work, once you enter into a contract, we'll hold your feet to the fire. BID IT AND BUILD IT LIKE IT IS SHOWN OR GET ALTERNATIVES APPROVED IN WRITING BEFORE YOU MAKE A COMMITMENT.
- There is never perfect weather for the entire duration of a project. The corps of engineers publishes "anticipated" days of inclement weather for specific areas of country. That information will be used to gauge contractor's claims of "unanticipated" weather related increases to construction time and/or construction costs.
 - Make allowances in the construction time and/or costs for these "anticipated" weather related disruptions. This includes but is not limited to protecting the project during inclement weather or making seasonal adjustments to the construction process. Contractors who have not lived in this part of the Midwest for the past few years need not submit a bid.

- The work shall be performed by the contract 5. with applicable building codes, regulations a
- The contractor shall be responsible for applic 6. permits, inspections, testing and/or licenses specifically noted otherwise.
- 7. Do not scale drawings. Follow the written di
- 8. All dimensions are to face of stud, face of cor masonry, or to column lines unless noted oth
- 9. All the vertical gypsum board/drywall shall be unless noted otherwise.
- 10. Anticipate patching areas where walls are to openings are req'd during construction.
- 11. New materials and construction move (expan Make allowances for expansion and/or contr materials or equipment or building compone movement, particularly where dissimilar mat
- 12. Coordinate the work of the different trades. necessary parts, sleeves, recesses and/or or which receives, contacts or connects to other work installed by other trades. The first guy in isn't always right.

Construction Cost Scope Information

- The General Contractor shall track construction cost of the following scopes: Site Work and Utilities (Site Scope)
- Shell Building (Shell Scope)
- Tenant Improvements (T.I. Scope)

The Site Scope shall generally include all work 5' beyond the building's footprint, unless noted otherwise. Site scope work will include but not be limited to site earthwork and grading, site utilities (storm water sewer, sanitary sewer, water main / domestic water / fire line service, electrical service), curb and gutter, asphalt pavement, concrete sidewalks, parking lot lighting, landscaping, and irrigation.

The **Shell Scope** shall generally include work within the building's footprint and within 5' of it's perimeter, unless noted otherwise. Shell scope will include but not be limited to footings and foundations, gravel and low volume change material, the exterior envelope and its framing and structure, thermal insulation, exterior finishes, roofing, exterior doors, windows, and storefront, mezzanine and stair framing and subfloor, plumbing utilities within 5' of the building perimeter (sanitary, grease, and storm lines, domestic water entries, fire line entries, and hydrants), building mounted exterior lighting and emergency fixtures, and electrical house panels and disconnects. Construction including walls, doors, fixtures, and finishes at Mechanical Room 113 and Ligour Storage 102 (roof access) shall be shell scope.

The **T.I. Scope** shall generally include interior construction and finishes, rooftop mechanical equipment, interior mechanical / electrical / plumbing fixtures and associated distribution, metal guardrails and handrails, south patio and fireplace construction.

The following are scope clarifications.

•	Shell Scope 1	Inter PC3 finish	ior 5" concrete perimeter ribbons and floor types C1, SC1, and , W.W.F. reinforcement, and 15 mil vapor barrier. Grind and seal ning of type PC3 shall be excluded from shell scopes.			
•	Shell Scope 2	Tras	h enclosure wall, foundation, gate, and paving			
•	Shell Scope 3	Grea	se interceptor and associated grease lines and vents			
٠	Shell Scope 4	Walk	-in cooler yard enclosure wall, foundation, gate, and paving			
	T.I. Scope 1	Interi and mate and	ior 5" concrete floor types C2 and PC1, W.W.F. reinforcement, 15 mil vapor barrier. (4" gravel and 20" low volume change erial to be shell scope), finishing of PC3 perimeter ribbon (grind seal with adjacent PC1 slab), and concrete bar curb type PC4.			
	T.I. Scope 2	Sout -patio -cono -firep -fenc -exte	h patio, including: o foundation, structure and roof crete paving (type P2), steps, and metal handrails place structure, foundation, chimney flues, and gas fire ced enclosure and gate erior lighting mounted to the patio/chimney structure			
•	T.I. Scope 3	Plum indic	nbing fixtures, waste and supply lines, vents, etc. where ated.			
•	T.I. Scope 4	Meta hand	I guards and handrails at mezzanine and metal guards and Irails at the mezzanine stairs.			
	T.I. Scope 5	Roof A1/A selec /elec	Rooftop mechanical equipment. Rooftop equipment shown on A1/A103 roof plan shown for location/reference. Equipment selections and specifications are provided in the mechanical /electrical documents.			
		Refe open Roof	r to structural for framing for mechanical roof and side wall nings. Coordinate opening size and location, Re: architectural Plan and MEP documents.			
•	T.I. Scope 6	Inter	ior gyp. board at exterior walls.			
Conditions of the architect, and sh	all be					
ct for constructio	n".					
tor in accordance and ordinances.	, ,	13.	The drawings are in part based on the sizes/relationships of anticipated furnishings, kitchen, bar, &/or mechanical equipment. This may be different from the items actually.			
icable fees, unless			provided by the contractor. The sooner shop drawings for proposed items are presented and approved, the less likely something will need to be taken apart.			
imensions.	,	14.	If you have a question or discover conflicting information, please get clarification from the architect. Thank you.			
oncrete, face of herwise.		15.	Glazing in areas subject to human impact in hazardous locations shall comply with the requirements of section 2406			
e 5/8" thick			of the IBC.			
be added and/o	ır	16.	Unless specifically stated otherwise, install products and materials per manufacturer's instructions.			
and and/or shrink) raction of the nev ents subject to terials meet.). V	17.	Contractor shall notify owner if hazardous materials including but not limited to mold, asbestos, lead paint, etc. are suspected and/or detected. Hazardous materials abatement shall be the responsibility of the owner where applicable.			
Install the penings in work						



Cover Sheet

A000

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UTILITIES **Electric Service** Evergy Nathan Michael 913-347-4310 Nathan.michael@evergy.com

Gas Service Katie.darnell@spireenergy.com

Water/Sanitary Sewer Water Utilities Department 1200 SE Hamblen Road Lee's Summit, Mo 64081

Jeff Thorn 816-969-1900

jeff.thorn@cityofls.net

Communication Service

AT&T Carrie Cilke

cc3527@att.com

Time Warner Cable

steve.baxter@charter.com

rvan.alkire@cable.comcast.com

rebeccadavis@google.com

816-703-4386

Steve Baxter

913-643-1928

Comcast

Ryan Alkire

816-795-2218

Google Fiber **Becky Davis** 913-725-8745

Spire Katie Darnell 816-969-2247

UTILITY STATEMENT:

THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

SAFETY NOTICE TO CONTRACTOR

IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICE, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.

WARRANTY/DISCLAIMER

THE DESIGNS REPRESENTED IN THESE PLANS ARE IN ACCORDANCE WITH ESTABLISHED PRACTICES OF CIVIL ENGINEERING FOR THE DESIGN FUNCTIONS AND USES INTENEDED BY THE OWNER AT THIS TIME. HOWEVER, NEITHER SM ENGINEERING NOR ITS PERSONNEL CAN OR DO WARRANTY THESE DESIGNS OR PLANS AS CONSTRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE SM ENGINEERING PERSONNEL INSPECT AND CONTROL THE PHYSICAL CONSTRUCTION ON A CONTEMPORARY BASIS AT THE SITE.

CAUTION- NOTICE TO CONTRACTOR

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL EXPOSE EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICTS PRIOR TO ANY CONSTRUCTION.



FOR I OT 1 LEE'S SUMMIT, MO

FINAL DEVELOPMENT PLANS STREETS OF WEST PRYOR



LOCATION MAP

NOTE: THERE ARE NO OIL / GAS WELLS ON SITE PER ALTA SURVEY

LEGAL DESCRIPTION: LOT 1 & 2 STREET OF WEST PRYOR LEE'S SUMMIT, MO, JACKSON COUNTY MISSOURI

ALL EXISTING TOPOGRAPHIC DATA AND INFRASTRUCTURE IMPROVEMENTS SHOWN BASED ON INFORMATION BY KAW VALLEY ENGINEERING

BENCHMARKS: #1 CHISELED "SQUARE" ON TOP OF CURB POINT OF INTERSECTION OF WEST PARK PARKING LOT AT EAST DRIVE ENTRANCE ELEVATION 985.05

#2 CHISELED "SQUARE" ON NORTHWEST CORNER AREA INLET, 25' EAST OF CURB LINE AND ON-LINE WITH SOUTH CURB OF LOWENSTEIN DRIVE AT 90° BEND IN ROAD ELEVATION 971.06

FLOODPLAIN NOTE: SUBJECT PROPERTY IS SHOWN TO BE LOCATED IN "OTHER AREAS ZONE X" ON THE FLOOD INSURANCE RATE MAP FOR JACKSON COUNTY, MISSOURI AND INCORPORATED AREAS. COMMUNITY PANEL NO. 29095C0416G, REVISED JANUARY 20, 2017. "OTHER AREAS ZONE X" IS DEFINED AS "AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUL CHANCE FLOODPLAIN". LOCATION DETERMINED BY A SCALED GRAPHICAL PLOT OF THE FLOOD INSURANCE RATE MAP.

INDEX OF SHEETS

- C-1 COVER SHEET
- C-2 EXISTING CONDITIONS
- C-3 OVERALL SITE PLAN
- C-4 SITE PLAN
- C-5 UTILITY PLAN
- C-5.1 ROOF DRAIN PLAN AND PROFILE
- C-6 GRADING PLAN / STORM LINE A PLAN & PROFILE
- C-7 ADA PARKING AREA
- C-8 EROSION CONTROL
- C-9 EROSION CONTROL DETAILS
- C-10 DETAILS
- C-11 DETAILS C-12 DETAILS
- C-13 DETAILS
- C-14 LANDSCAPE PLAN
- **SL101 PHOTOMETRICS**
- SL200 LIGHTING SCHEDULE

DEVELOPER

SWP III, LLC C/O DRAKE DEVELOPMENT, LLC 7200 W 132nd ST, SUITE 150 OVERLAND PARK, KS 66213 913-662-2630

ENGINEER

SM ENGINEERING SAM MALINOWSKY 5507 HIGH MEADOW CIRCLE MANHATTAN KANSAS, 66503 SMCIVILENGR@GMAIL.COM 785.341.9747



SAMUEL D. MALINOWSKY **PROFESSIONAL ENGINEEER**



SM Engineering



(A). Streets of West Pryor Lots 1 thru 14, Tracts "A", "B", "C", & "D", recorded as Doc. No. 2019E0032538 in Book 183 at Page 28.

2). This survey meets or exceeds the accuracy standards of a (SUBURBAN) Property Boundary Survey as defined by the Missouri Standards for Property Boundary Surveys.

3). The Title report was furnished by First American Title Insurance Company, Policy No. NCS-1007087-KCTY, dated March 16, 2020 at 8:00 AM.

4). Bearings shown hereon are based upon bearings described in the Final Plat of Streets of West Pryor Lots 1 thru 14, Tracts "A", "B", "C", & "D".

5). This company assumes no responsibility in the location of existing utilities within the subject premises. This is an above-ground survey. The underground utilities, if shown, are based on information provided by the various utility companies and these locations should be considered approximate. There may be additional underground utilities not shown on this drawing. -Locate Ticket # 210210384

6). Subsurface and environmental conditions were not surveyed or examined or considered as a part of this survey. No evidence or statement is made concerning the existence or underground or overhead conditions, containers or facilities that may affect the use or development of this property. No attempt has been made to obtain or show data concerning

existence, size, depth, conditions, capacity or location of any utility existing on the site, whether private, municipal or public owned. 7) This property is located outside the 100 year flood plain, zone "x" as shown on the Firm panel 29095C0416G, dated January 20, 2017.

PROPERTY DESCRIPTION

Lot 1, Streets of West Pryor, Lots 1 thru 14, Tracts "A", "B", "C", & "D", A Subdivision in the City of Lee's Summit, Jackson County, Missouri. and, Lot 2, Streets of West Pryor, Lots 1 thru 14, Tracts "A", "B", "C", & "D", A Subdivision in the City of Lee's Summit, Jackson County, Missouri.

Topogn Streets of W Section 35, 7 Lee's Summit,	<i>raphic Survey</i> <i>Jest Pryor Lots 1 & 2</i> <i>Township 48, Range 32</i> <i>Jackson County, Missouri</i>	DATE REVISIONS
	W S 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 30 60 90 50 60 90 50 Found survey Monument (As Noted) (*) Exception Document Location	Streets of West Pryor Lots 1 & 2 Section 35, Township 48, Range 32 Lee's Summit, Jackson County, Missouri
	 x x x x Existing Fence Line - Choin Link x x X X X X X X X X X X X X X X X X X X	Topographic Survey FIET SECTION TOMOSTAPHIC SURVEY TOPOGGRAPHIC SURVEY SHEET SECTION TOMNSHIP AMOR TOF 1 JOF NO DRAWN BY JOR NO M. Schlicht, PLS, PE I "" M. Schlicht, PLS, PE I ""
		FIGURERING & SURVEYING ENGINEERING & SURVEYING FIGURE & SURVEYING SOLUTIONS FIGURE & SURVEYING FIGURE & SURVEYI







SITE DATATOTAL SITE1.56ac (6TOTAL IMPERVIOUS AREA49,531sfOPEN SPACE18,227sfTOTAL BUILDING5,549sfFAR0.081TOTPARKING REQUIRED78PARKING PROVIDED113

1.56ac (67,758sf) 49,531sf 18,227sf (51.5%) 5,549sf 0.081TOTAL REQUIRED 78 113



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smcivilengr@gmail.com

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rawings and/or Specifications are original proprietary work and property of the

gineer and intended specifically for this

prmation available to the Engineer. Field rification of actual elements, conditions, and dimensions is required.

project. Use of items contained herein

without consent of the Engineeris prohibited. Drawings illustrate best

Revisions

4-2-21 CITY COMMENTS 4-12-21 CLIENT COMMENTS 4-16-21 BID/PERMIT SET

CONSTRUCTION NOTES:

1. COORDINATE START-UP AND ALL CONSTRUCTION ACTIVITIES WITH OWNER.

2. CONSTRUCTION METHODS AND MATERIALS NOT SPECIFIED IN THESE PLANS ARE TO MEET OR EXCEED THE STANDARD SPECIFICATIONS.

3. ALL CONSTRUCTION WORK AND UTILITY WORK OUTSIDE OF PROPERTY BOUNDARIES SHALL BE PERFORMED IN COOPERATION WITH AND IN ACCORDANCE WITH REGULATIONS OF THE AUTHORITIES CONCERNED.

4. PUBLIC CONVENIENCE AND SAFETY: THE CONTRACTOR SHALL CONDUCT THE WORK IN A MANNER THAT WILL INSURE, AS FAR AS PRACTICABLE, THE LEAST OBSTRUCTION TO TRAFFIC, AND SHALL PROVIDE FOR TI-1E CONVENIENCE AND SAFETY OF THE GENERAL PUBLIC AND RESIDENTS ALONG AND ADJACENT TO STREETS IN THE CONSTRUCTION AREA.

5. ALL DIMENSIONS SHOWN ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.

6. ACCESSIBLE STALLS SHOWN WITH A "VAN" SHALL BE 16'-0" MIN. AND SHALL HAVE A SIGN DESIGNATING "VAN-ACCESSIBLE". SEE DETAIL102.

NOTE:

1. CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE. SLOPED PAVING, EXIT PORCHES AND RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS.

2. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND CONTRACTOR DOCUMENTS.

3. ALL DIMENSIONS ARE PERPENDICULAR TO PROPERTY LINE.

4. ACTUAL SIGN LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER.



PAINT CURB RED "NO PARKING FIRE LANE"

LP LIGHT POLE BASE (SEE LIGHTING PLAN)





UTILITY STATEMENT: THE UNDERGROUND UTILITIES SHOWN HEREON ARE FROM FIELD SURVEY INFORMATION OF ONE-CALL LOCATED UTILITIES, FIELD SURVEY INFORMATION OF ABOVE GROUND OBSERVABLE EVIDENCE, AND/OR THE SCALING AND PLOTTING OF EXISTING UTILITY MAPS AND DRAWINGS AVAILABLE TO THE SURVEYOR AT THE TIME OF SURVEY. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHERMORE, THE SURVEYOR DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH HE DOES CERTIFY THAT THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. THE SURVEYOR HAS NOT PHYSICALLY LOCATED THE UNDERGROUND UTILITIES BY EXCAVATION UNLESS OTHERWISE NOTED ON THIS SURVEY.

UTILITY NOTES:

1. ALL UTILITY AND STORM SEWER TRENCHES CONSTRUCTED UNDER AREAS THAT RECEIVE PAVING SHALL BE BACKFILLED TO 18 INCHES ABOVE THE TOP OF THE PIPE WITH SELECT GRANULAR MATERIAL PLACED ON EIGHT-INCH LIFTS, AND COMPACTED TO 95% MODIFIED PROCTOR DENSITY.

2. CONTRACTOR SHALL NOT OPEN, TURN OFF, INTERFERE WITH, OR ATTACH ANY PIPE OR HOSE TO OR TAP ANY WATER MAIN BELONGING TO THE CITY UNLESS DULY AUTHORIZED TO DO SO BY THE CITY. ANY ADVERSE CONSEQUENCE OF ANY SCHEDULED OR UNSCHEDULED DISRUPTIONS OF SERVICE TO THE PUBLIC ARE TO BE THE LIABILITY OF THE CONTRACTOR. <u>SM</u> ENGINEERING AND OWNER ARE TO BE HELD HARMLESS.

3. ALL WATER AND SANITARY SEWER SYSTEMS THAT ARE TO BE PUBLIC LINES SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS PREVIOUSLY APPROVED BY THE CITY OF LEE'S SUMMIT AND THE STATE OF MISSOURI AND SHALL BE INSPECTED BY THE CITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT THIS INSPECTION OCCURS.

4. LOCATIONS SHOWN FOR PROPOSED WATER LINES ARE APPROXIMATE. VARIATIONS MAY BE MADE, WITH APPROVAL OF THE ENGINEER, TO AVOID CONFLICTS.

5. CONTRACTOR TO INSTALL TRACING TAPE ALONG ALL NON-METALLIC WATER MAINS AND SERVICE LINES PER SPECIFICATIONS.

6. CONTRACTOR <u>SHALL EXPOSE</u> EXISTING UTILITIES AT LOCATIONS OF POSSIBLE CONFLICT AND POINTS OF CONNECTION PRIOR TO ANY CONSTRUCTION OF NEW UTILITIES.

7. WATER LINES SHALL HAVE A MINIMUM COVER OF 42 INCHES. ALL VALVES ON MAINS AND FIRE HYDRANT LEADS SHALL BE WITH VALVE BOX ASSEMBLIES. THE SIZE OF VALVE BOX ASSEMBLY TO BE INSTALLED IS DETERMINED BY THE TYPE AND SIZE OF VALVE. VALVE BOX CAPS SHALL HAVE THE WORD "WATER".

8. A MINIMUM HORIZONTAL DISTANCE OF 10 FEET SHALL BE MAINTAINED BETWEEN PARALLEL WATER AND SANITARY SEWER LINES. WHEN IT IS NECESSARY FOR ANY WATER LINE TO CROSS A SANITARY SEWER LINE, THE SEWER LINE SHALL BE CONSTRUCTED OF DUCTILE IRON PIPE AT LEAST 10 FEET EITHER SIDE OF THE WATER LINE UNLESS THE WATER LINE IS AT LEAST 2 FEET CLEAR DISTANCE ABOVE THE SANITARY SEWER LINE.

9. INSTALL 2" TYPE "K" COPPER FROM THE MAIN TO THE METER AND EITHER TYPE "K" OR POLYETHYLENE PLASTIC TUBING (PE 3608) FROM METER TO STOP AND WASTE VALVE INSIDE BUILDING.

10. CONTRACTOR RESPONSIBLE FOR PROVIDING CASEMENT FOR ELECTRICAL SERVICE PER KCP&L

11. CONTRACTOR TO DIRECTIONAL BORE UNDER EXISTING WALKING TRAIL

	MS1 SS2 WAT-12 WAT-11 WAT-7 CO GI	TRENCH AND BEDDING DETAILS 2-WAY CLEAN-OUT DCD4 VAULT WATER SERVICE CONNECTION FIRE HYDRANT CLEANOUT GREASE INTERCEPTOR
	NOTES	
\neg	17A	POINT OF CONNECTION - GAS SERVICE
	17B	GAS SERVICE (BY GAS COMPANY)
	17C	GAS METER
	18A	POINT OF CONNECTION - TELEPHONE SERVICE - COORDINATE WITH
		TELEPHONE COMPANY
	18B	UNDERGROUND TELEPHONE SERVICE PER LOCAL TELEPHONE
		COMPANY
	18C	2-2" CONDUIT INSTALLED BY CONTRACTOR - TELEPHONE SERVICE
	19A	POINT OF CONNECTION - ELECTRICAL SERVICE
	19B	ELECTRICAL SERVICE (SEE NOTE 10)
	19C	4" CONDUIT INSTALLED BY CONTRACTOR - ELECTRIC SERVICE
	19D	TRANSFORMER - PER EVERGY DETAIL 700-103
	20A	POINT OF CONNECTION - WATER SERVICE
	20B	1.5" TAP WITH 1.5" SERVICE LINE
	200	1.5" METER
	20D	
	20E	INSTALL 6" BACKFLOW PREVENTION ASSEMBLY IN 8'X6' VAULT OR AS
	205	1" IDDICATION METER & RED
	201 60	A" SANITARY SEWER SERVICE LINE SDR 26 DVC CONNECTION SHALL
	00	REACHT-IN WYE
	61	4" SANITARY SEWER SERVICE LINE SDR 26 PVC





Manhattan Kansas, 66503 smcivilengr@gmail.com 785.341.9747

Drawings and/or Specifications are original proprietary work and property of the Engineer and intended specifically for this project. Use of items contained herein without consent of the Engineeris prohibited. Drawings illustrate best nformation available to the Engineer. Field verification of actual elements, conditions, and dimensions is required.



Revisions 4-2-21 CITY COMMENTS 4-12-21 CLIENT COMMENTS 4-16-21 BID/PERMIT SET











GRADING NOTES:

1. EARTHWORK UNDER THE BUILDING SHALL COMPLY WITH THE PROJECT ARCHITECTURAL PLANS. OTHER FILL MATERIAL SHALL BE MADE IN LIFTS NOT TO EXCEED EIGHT INCHES DEPTH COMPACTED TO 95% STANDARD PROCTOR DENSITY. FILL MATERIAL MAY INCLUDE ROCK FROM ON-SITE EXCAVATION IF CAREFULLY PLACED SO THAT LARGE STONES ARE WELL DISTRIBUTED AND VOIDS ARE COMPLETELY FILLED WITH SMALLER STONES, EARTH, SAND OR GRAVEL TO FURNISH A SOLID EMBANKMENT. NO ROCK LARGER THAN THREE INCHES IN ANY DIMENSION NOR ANY SHALE SHALL BE PLACED IN THE TOP 12 INCHES OF EMBANKMENT.

2. AREAS THAT ARE TO BE CUT TO SUBGRADE LEVELS SHALL BE PROOF ROLLED WITH A MODERATELY HEAVY LOADED DUMP TRUCK OR SIMILAR APPROVED CONSTRUCTION EQUIPMENT TO DETECT UNSUITABLE SOIL CONDITIONS.

3. IN ALL AREAS OF EXCAVATION, IF UNSUITABLE SOIL CONDITIONS ARE ENCOUNTERED. A QUALIFIED GEOTECHNICAL ENGINEER SHALL RECOMMEND TO THE OWNER THE METHODS OF UNDERCUTTING AND REPLACEMENT OF PROPERLY COMPACTED, APPROVED FILL MATERIAL. ALL PROOF ROLLING AND UNDERCUTTING SHOULD BE PERFORMED DURING A PERIOD OF DRY WEATHER.

4. CONTRACTOR SHALL USE SILT FENCE OR OTHER MEANS OF CONTROLLING EROSION ALONG THE EDGE OF THE PROPERTY OR OTHER BOTTOM OF SLOPE LOCATIONS.

5. CONTRACTOR IS TO REMOVE AND DISPOSE OF ALL DEBRIS, RUBBISH AND OTHER MATERIALS RESULTING FROM PREVIOUS AND CURRENT DEMOLITION OPERATIONS.

6. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO AVOID PROPERTY DAMAGE TO ADJACENT PROPERTIES DURING THE CONSTRUCTION PHASES OF THIS PROJECT. THE CONTRACTOR WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES TO THE ADJACENT PROPERTIES OCCURRING DURING THE CONSTRUCTION PHASES OF THIS PROJECT.

7. IT IS NOT THE DUTY OF THE ENGINEER OR THE OWNER TO REVIEW THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN, ON OR NEAR THE CONSTRUCTION SITE AT ANY TIME DURING CONSTRUCTION.

. PIPE LENGTHS ARE CENTER TO CENTER OF STRUCTURE OR TO END OF END SECTIONS.

9. HANDICAP STALLS SHALL MEET ADA REQUIREMENTS AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION AT THE BUILDING ENTRY AND ACCESSIBLE PARKING STALLS. SLOPES EXCEEDING 2.0% WILL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

10. CONTRACTOR TO ADJUST DEPTHS OF EXISTING SERVICE LINES AS NECESSARY

11. ALL CONSTRUCTION TRAFFIC, TEMPORARY TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHALL CONFORM TO REQUIREMENTS OF THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

12. SITE BEING ROUGH GRADED TO 12.5" BELOW FINISHED GRADE

13. CONTRACTOR TO PLACE 8" LOW PERMEABILITY LVC FOR BUILDING PAD







SM Engineering







NOTES:

1. Prior to Land Disturbance activities, the following shall occur: a) Identify the limits of construcljan on the ground with easily recognizable indications such as construction staking, construction fencing and placement of physical barriers or other means acceptable to the City inspector and in conformance with the erosion and pollution control plan; b) Construct a stabilized entrance/parking/staging area;

c) Install perimeter controls and protect any existing stormwater inlets;

d) Request an initial inspection of the installed Phase I pollution control measures designated on the approved erosion and pollution control plan. Land disturbance work shall not proceed until there is a passed inspection 2. The site shall comply with all requirements of the MoDNR general requirements

a) Immediate initiation of temporary stabilization BMPs on disturbed areas where construction activities have temporarily ceased on that portion of the project site if construction activities will not resume for a period exceeding 14 calendar days. Temporary stabilization may include establishment of vegetation, geotextiles, mulches or other techniques to reduce or eliminate erosion until either final stabilization con be achieved or until further construction activities take place to re-disturb the area. This stabilization must be completed within 14 calendar days;

b) Inspection of erosion and sediment control measures shall be performed to meet or exceed the minimum inspection frequency in the MoDNR General Permit. At a minimum, inspections shall be performed during all phases of construction at least once every 14 days and within 24 hours of each precipitation event.

c) An inspection log shall be maintained and shall be available for review by the regulatory authority; d) The erosion and pollution control plan shall be

routinely updated to show all modifications and amendments to the original plan. A copy of the erosion and pollution control plan shall be kept on site and made available for review by the regulatory authority.

3. Temporary seeding shall only be used for periods not to exceed 12 months. For final stabilization. temporary seeding shall only be used to establish vegetation outside the permanent seeding or sodding dates as specified in the Standard Specifications. Final stabilization requires a uniform perennial vegetative cover with a density of 70% over 100% of disturbed

area. 4. Erosion and pollution control shall be provided for the duration of a project. All installed erosion and pollution control BMPs shall be maintained in a manner that preserves their effectiveness. If the City determines that the BMPs in place do not provide adequate erosion and pollution control at any time during the project, additional or alternate measures

that provide effective control shall be required. 5. Concrete wash or rinse water from concrete mixing equipment. Tools and/or ready-mix trucks. etc. may not be discharged into or be allowed to run to any existing water body or portion of the storm water system. One or more locations for concrete washout will be designated on site, such that discharges during concrete washout will be contained in a small area where waste concrete can solidify in place. Proper signage will be installed to direct users to the concrete washout. Concrete washouts must be handled prior to pouring any concrete.

6. Silt fences and sediment control BMPs which are shown along the back of curb must be installed within two weeks of curb backfill and prior to placement of base asphalt. Exact locations of these erosion control methods may be field adjusted to minimize conflicts with utility construction. However, anticipated disturbance by utility construction shall not delay installation.

7. Required sediment basins and traps shall be installed as early as possible during mass grading. Sediment basins and traps shall be cleaned out when the sediment capacity has been reduced by 20% of its original design volume.

8. All manufactured BMPs such as erosion control blankets, TRMs, biodegradable logs, filter socks, synthetic sediment barriers and hydraulic erasion control shall be installed as directed by the manufacturer.

9. The above requirements are the responsibility of the permittee for the site. Responsibility may be transferred to another party by the permittee, but the permittee shall remain liable by the City of Lee's Summit if any of the above conditions are not met.

AS SHOWN

LEGEND

SILT FENCE

INLET PROTECTION

TEMPORARY CONSTRUCTION ENTRANCE



1"=20' 0 10' 20









BEDDING

1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS

INITIAL BACKFILL -UNDER PAVED AREAS OR WITHIN 4" HORIZONTAL OF PAVED AREAS 1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY

COMPACTED IN MAX. 4" LIFTS

-UNDER OPEN AREAS 1/2"-3/4" CLEAN AGGREGATE, HAND TAMPED OR MECHANICALLY COMPACTED IN MAX. 4" LIFTS

FINAL BACKFILL

-UNDER PAVED AREAS OR WITHIN 4" HORIZONTAL OF PAVED AREAS ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8". COMPACTED TO 95% OF STANDARD DENSITY PER ASTM D-698 -UNDER OPEN AREAS

ON-SITE OR IMPORTED MATERIAL FREE OF MUCK, FROZEN MATERIAL, EXCESS MOISTURE, ORGANICS, TOPSOIL, RUBBISH, CONSTRUCTION DEBRIS, ROCK OR BRICK LARGER THAN 8". COMPACTED TO 90% OF STANDARD DENSITY PER ASTM D-698

BEDDING DEF	TH BELOW PH	°Ε
PIPE DIAMETER	IN SOIL	IN ROCK
24" AND LESS	.4."	6."
27" THRU 60"	4"	9"



____ R=1½"

→ 4" → 8" → *4*" → 4" →

- 24" **-**

STRAIGHT BACK DRY CURB &

(TYPE CG-1 DRY)



Civil DETAILS permit 11 MARCH 2021









NOTES: BRICK- YANKEE HILL DARK IRON SPOT



TRASH ENCLOSURE

MORTAR- SPEC MIX SM770 (SUBMIT TO OWNER FOR APPROVAL) STONE- GLEN GEARY GLENN RIDGE BLACK/GRANITE



SM Engineering

5507 High Meadow Circle Manhattan Kansas, 66503

smcivilengr@gmail.com

785.341.9747

Drawings and/or Specifications are original







GREASE INTERCEPTOR

GREASE INTERCEPTOR SCHEDULE								
MANUFACTURER	MODEL	CAPACITY	FULL	LENGTH	WIDTH	HEIGHT	INLET	OUTLET
	NO.	US gal.	WT (LBS)	L	W	Н	FL	FL
OLD CASTLE	Q-1500	1500	20,255	90″	60″	84″	978.3	978.3

NOTE: REINFORCED TANK WITH MESH THROUGHOUT. REINFORCED LID FOR DRIVE AREA. 4000 LB CONCRETE



	ITEM	DESCRIPTION
	1	4" ABS INLET PIPE*
	2	4"x4"x2" TEE WITH 2" PIPE TO BUILDING VENT*
	3	THREADED C/O CAP JOSAM 58860 OR APP EQUAL**
	4	CONCRETE PAD
	5	4"x4" TWO-WAY CLEANOUT TEE*
	6	4" ABS OUTLET*
	7	4" - 6" GRAVEL BEDDING
	8	HEAVY-DUTY CAST IRON FRAME AND COVER ***
	9	CONCRETE ADJUSTMENT RINGS
	10	REINFORCE AS REQUIRED FOR SERVICE CONDITIONS
	11	4" ABS 90° ELBOW*
	12	4" ABS TEE*
	13	A-LOK OR PRESS SEAL PSX PIPE/WALL CONNECTOR
6	14	2" VENT PIPE (IDENTIFY PIPE TYPE, CLASS & JOINT
J	14	AS REQUIRED FOR PROJECT)
F	15	STAINLESS STEEL PIPE SUPPORT CLAMP ****
F	* 6" PIPE ** REFER *** CLAY ****FM ST BOLT WIT	MAY BE SUBSTITUDED TO MATCH UPSTREAM PIPE DIAMETER. TO CLEAN OUT DETAIL(S) ON STANDARD DETAIL SHEET. & BAILEY 2008 BV OR EQUAL (FROST PROOF COVERS OPTIONAL) AINLESS FASTNERS #63 OR EQUAL. 1/2"x2-1/2" SS BRACKET W/ 1/2"x1-1/2" FULLY THREADED SS HEX TH 1/2" SS WASHER AND 1/2"X1-3/4" SS ANCHORS. CLAMP TO BE FACTORY INSTALLED.

NOTES: 1. THREE COVERS AND RISERS SHOWN. TWO COVERS AND RISERS CENTERED OVER UPPER TWO BAFFLES ARE OPTIONAL.

- B 2. OPTIONAL. INTERCEPTOR SIZE - 1000 GAL MINIMUM (REVISE THE SIZE DIMENSIONS, AS NEEDED, FOR LARGER CAPACITY INTERCEPTORS)
- ALL JOINTS AT THE FRAME & COVER*, CONCRETE ADJUSTMENT RINGS AND THE LID OF THE INTERCEPTOR SHALL BE SEALED WITH A MINIMUM OF TWO (2) ROWS OF 3/4 TO 1 INCH PREFORMED BUTYL JOINT SEALER AND A 6" BUTYL JOINT WRAP AROUND SLEEVE (EZ WRAP). THE ENDS OF THE 6" EZ WRAP SHALL OVERLAP BY 12".
 PIPING ON THE INTERIOR OF THE INTERCEPTOR SHALL BE ABS WITH SOLVENT-CEMENTED JOINTS.
 GREASE INTERCEPTOR INCLUDING ADJUSTMENT RINGS AND CASTINGS SHALL BE VACUUM TESTED FOR WATER TIGHTNESS AFTER THE BACKFILL OPERATIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH JCW TECHNICAL
- B TIGHTNESS AFTER THE BACKFILL OPERATIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH JCW TECHNICAL SPECIFICATIONS. A VACUUM OF 10 INCHES OF MERCURY SHALL BE DRAWN AND WITH THE VACUUM PUMP SHUT OFF THE MERCURY SHALL NOT DROP BELOW 9 INCHES WITHIN 1 MINUTE OR BELOW 5 INCHES WITHIN 5 MINUTES.

GI



OT 1 SITE DATA:			
<u>DWENSTEIN</u> EQUIRED: TREET TREES 1/30 ARKING LOT SHRU	360')' IBS 12/40'	=	12 108
ROVIDED: HADE TREES RNAMENTALS HRUBS		= = =	8 4 110
ITERIOR PARKING OTAL PARKING SU EQUIRED % LANDSCAPE ARE	IRFACE =	40,80 =	1sf 2,040s
ROVIDED		=	4,005s
PEN SPACE TREES OTAL SITE UILDING AREA PEN SPACE	1.56ac (67,7 5,549sf 62,209sf	′58sf)	
EQUIRED / 5,000sf		=	12
ROVIDED HADE TREES RNAMENTALS		= =	8 4
PEN SPACE SHRUE EQUIRED / 5,000sf	35	=	25
ROVIDED		=	83
ROVIDED		=	83

Typical Utility Box Screening Details

No Scale





Free Standing Transformer

Against Wall

UTILITY BOXES SHALL BE CLUSTERED AS MUCH AS POSSIBLE

Rubber hose #12 gauge wire Tree Guard 4" Berm around saucer 6ft. Diameter Mulched -Area In Lawn Areas

Finished Grade -

Scarify soil in bottom of pit



LANDSCAPE NOTES CONTRACTOR REQUIRED TO LOCATE ALL UTILITIES BEFORE INSTALLATION TO BEGIN.

Contractor shall verify all landscape material quantities and shall report any discrepancies to the Landscape Architect prior to installation.

No plant material substitutions are allowed without Landscape Architect or Owners approval.

Contractor shall guarantee all landscape work and plant material for a period of one year from date of acceptance of the work by the Owner. Any plant material which dies during the one year guarantee period shall be replaced by the contractor during normal planting seasons.

Contractor shall be responsible for maintenance of the plants until completion of the job and acceptance by the Owner.

All plant material shall be specimen quality stock as determined in the "American Standards For Nursery Stock" published by The American Association of Nurseryman, free of plant diseases and pest, of typical growth of the species and having a healthy, normal root system.

Sizes indicated on the plant list are the minimum, acceptable size. In no case will sizes less than specified be accepted.

All shrub beds within lawn areas to receive a manicured edge.

All shrub beds shall be mulched with 3" of River Rock.

All areas to be fertilized & sodded with a Turf-Type-Tall Fescue seed blend.

IRRIGATION NOTE

- 1. Successful landscape contractor shall be responsible for design that complies with minimum irrigation requirements, and installation of an irrigation system. Irrigation system to be approved by the owner before starting any installation.
- 2. Irrigation controller to be mounted on outside wall of building. Provide temporary support prior to building construction.

Free Standing Small Box

Clustered Boxes

3 per tree ۰. 6" Min. **Tree Planting Detail** No Scale

Treated crepe tree wrap

Steel fence posts Plant w/top of ball flush w/finished grade 3" River Rock over 2" deep well-rotted manure

1/2 Existing soil, 1/2 topsoil Fold back burlap from Top 1/3 of root ball







	11		12		13		머
<u>Model Building/Desig</u> 2018 International Bi 2018 International Fi 2012International En 2018 International Pi	<u>gn Codes Used:</u> uilding Code ire Code nergy Conservation C lumbing Code	ode	<u>Means of Egress:</u> Per Chapter 10 <u>Occupancy Count:</u> Non-seperated Mixed I	Use		J	₹4 < A I R I] P.C.
2018 International Fi 2017 National Electric 2018 International M	uel Gas Code ical Code lochanical Codo		Table 1004.1.2	rst Eloor			R R
ADA Accessibility American National S	tandard; ICC/ANSI A	117.1 2009	Assembly Concentrate Assembly Table,Chairs Assembly Fixed Seatin Business 1/100 sf	ist Floor. d 1/7 sf: s 1/15 sf: ng:	39 occupants 18 occupants 108 occupants		ABORAT
<u>Proposed Project De</u> This is a restaurant p	escription: project including both	shell building	Kitchen 1/200 sf: Subtotal:		10 occupants 176 occupants		B A -
Automatic Fire Supp Automatic Fire suppr NFPA 13	ression System: ression system throug	yhout per	Restaurant Interior - M Assembly Fixed Seatin Kitchen 1/200 sf: Subotal:	ezzanine ıg:	: 48 occupants 1 occupant 49 occupants	н	U R]
<u>Fire Alarm System:</u> Fire alarm system wi	th full audible and vis	ual coverage	Patio Assembly Table,Chairs	s 1/15 sf:	56 occupants		
is not required in A o occupants per 907.2 Building Code	.1 of the 2018 Interna	an 300 Itional	Total Occupant Load	:	281 occupants		ts br.
Occupancy Group: Type A-2 Bar/Restau	irant		Exit access travel dista Group A 250 (fe	i <u>nce</u> : et) with s	sprinkler system		mm nen in D
Construction Type:	land		Common Path of Egree Group A 75 (fee	<u>ss Trave</u> t) with sp	l <u>:</u> prinkler system	G	Sul cun stei
Allowable area for gr	roup A-2:		<u>No. of Exits Required</u> (Section 1021) 50 < oc	cupant lo	oad < 500: 2 Exits		e's Do ven t. M
l abular allowable are Allowable area increa	ea (table 503): 6,000 <u>ase (section 506):</u>	st	Fixture Count for A-2 F 281 occupants	Restaurar	nt Occupancy		- Le Lov Lov
Automatic sprinkler in Area increase: (6,000	ncrease: 300% 0 x 3) = 18,000 sf		Toilets 141 male @ 1 per 75 =	= 2 male			rill - Sun Sun
<u>Allowable Height:</u> (Table 503): 40 feet	+ 20 feet per 504.2 =	60 feet	141 female @ 1 per 75	5 =2 fema	ale	F	r G Ssn1 61 61 e's g
<u>Allowable Stories:</u> (Table 503): 1 story	+ 1 story per 504.2		300 occupants @ 1 pe	r 200 = 2	lavatories	r	00) CC 20 Le
<u>Actual Area:</u> First Floor: 4,814 Mezzanine: 905	4 sf 5 sf		Service Sink = 1 requir	ed			
<u>Actual Height</u> 30'-0"							OF MISSING
<u>Actual Stories</u> 1 story w/ mezzanine	9					E	NUMBER
<u>Mezzanine Calculatio</u> Level 1 dining/drinkir Mezz. dining/drinking	<u>ons:</u> ng area: 3,039 sf g area: 816 sf		Dining Surface Access	ible Req	uirements		Current 12,202
3,039 + 816 = 3,855 Per IBC 1108.2.9 Ex	sf (25%)=964sf >816 ception #2.	sf = ok	Total Seats @ dining s	surfaces:	135 - Lower level 48 - Mezzanine		<u>food service</u> TriMark Hockenbergs
			183 (5%) = 9.15 = 10 a surfaces to be provided 14 potential accessible	accessibl d on acce seating	e seats at dining essible level. locations on main		10550 Barkley, Ste. 201 Overland Park, Kansas 66212 p. 913.945.2490
816 sf		3039 s.f.	level are provided. = O	ιk		D	mechanical, electrical, and plumbing Welch and Mitchell
							4370 W. 109th St., Ste. 203 Overland Park, KS 66211 913.544.1627
		Therma	al Envelope Require	ements	3		<u>structural</u> Bob D. Campbell
	Roof: Insulatio	Compon	ent	R-30c	R-Value	_	4338 Belleview Kansas City, MO 64111 816 531 4144
	Walls, above g	grade: Wood rade	I framed and other	R-13+	R3.8ci or R-20 ci	c	<u>civil</u>
	Slab-on-grade	floors: Unh	eated slabs	R-10 f	or 24" below		ow ⊨ngineering 5507 High Meadow Circle Manhattan, Kansas 66503
e rated wall	Ve	ertical Fene	stration		U-factor		785.341.9747 <u>arch</u> itectural
	ILIXED			10.38			·

Operable

PF<0.2

0.2<PF<0.5

PF> or equal 0.5

Entrance door

Code Information

A001

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URBAN PRAIRIE ARCHITECTURAL

COLLABORATIVE, P.C.

Kansas City, Missouri 64111

pminto@urbanprairiekc.com

Missouri Certificate of Authority: #

20-033 9 April, 2021

DATE 04.16.2021

05.03.2021

05.12.2021

4523 Mercier Street

p 816.304.7416

PROJECT NUMBER:

ISSUE DATE:

REVISIONS 1 Bid/Permit Set

2 Addendum 01

3 Plans Review Comments

12

0.45

0.77

0.38

0.46

0.61

SEW

Ν

13

0.51

0.56

0.61

Fenestration Maximum SHGC

Projection Factor



6		7	

ware						
e t	Threshold	Astragal	Exit Device	Rain Drip	Coordinator	Remarks/Notes
	V					1010
	A V		X			1,2,4,0
	X		X			3
	X		X	X		3
	Х		Х			3
	Х					
	Х		Х			3
			Х			3
	Х		Х			3
						5, 6, 7
						5, 6, 7
						5, 6, 7
						5, 6, 7
						5, 6, 7
						5, 6, 7
	Х		Х			3
	Х		Х			3
						5, 7
						5, 7



M4	GYPS MASC	SUM ONR`
A8		P
1 1/2" = 1	'-0"	
	10	
	10	







1	1	12	13	
ce of mn lines unless noted				The second secon
red for epoxy floor (Shell Scope 1)				rill - Lee's Summit truction Documents NW Lowenstein Dr. Summit, MO 64081
red for epoxy floor (T.I. Scope 1) 1) 2 1) round/exposed 2 sealer. 2 2) round/exposed de sealer. crete perimeter C1.				Lee's
erimeter matte finish, perimeter (b). (e 1) natte e.) t <u>erior Slab</u>	12"	<u>9' - 8"</u> 4' - 10" 4' - 10"		E A-2001007056 A-2001000 A-200100 A-200100 A-200100 A-20010 A-2000 A-2000 A-2000 A-2000 A-2000 A-2000 A-2000 A-2000 A
be 1:12. Provide bard where ramp finish of adjacent chamfer at	1 8 3/4"			Overland Park, Kansas 66212 p. 913.945.2490 <u>mechanical, electrical, and</u> plumbing Welch and Mitchell 4370 W. 109th St., Ste. 203 Overland Park, KS 66211 913.544.1627
) finish type PC1, : F12/A651. of gyp. bd.)	14' - 10 1/2"	-3 1/2" -9 1/2" -9 1/2"	- 2"	structural Bob D. Campbell 4338 Belleview Kansas City, MO 64111 816.531.4144 C civil
erriy location with ench drain. Re: ter ribbon slab	1'-7 1/2" 1'-8 3/4" 2'-8"	6"h c.i.p. concrete bar curb w//1/2" chamfered edges		SM Engineering SM Engineering 5507 High Meadow Circle Manhattan, Kansas 66503 785.341.9747 architectural URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C. 4523 Mercier Street Kansas City, Missouri 64111 p 816.304.7416 pminto@urbanprairiekc.com B PROJECT NUMBER: 20-033 ISSUE DATE: 9 April, 2021 REVISIONS DATE 1 Bid/Permit Set 04.16.2021 2 Addendum 01 05.03.2021
e: elec. tie into below grade per civil. e perimeter 1/4" or walk-in cooler c footing	A11 1/4" = 1'-0"	Enlarged Plan - Bar Curb		3 Plans Review Comments 05.12.2021 A Floor Plan A Floor Plan © Copyright 2021







ocuments enstein Dr. 64081 ОМ en NW Lowe Summit, 2061 Lee's ----PAUL C. MINTO NUMBER Cure Photomatic 12,202 April

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10550 Barkley, Ste. 201 Overland Park, Kansas 66212

mechanical, electrical, and

4370 W. 109th St., Ste. 203 Overland Park, KS 66211

Kansas City, MO 64111

5507 High Meadow Circle Manhattan, Kansas 66503

URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C.

Kansas City, Missouri 64111

Missouri Certificate of Authority: #

20-03 9 April, 2021 DATE 04.16.2021

05.03.2021 05.12.2021

> Floor Plans - Tenant Interiors

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	6 7		8	9	10
General	Notes - Tenant Interior Floor Plan				
A.	All dimensions are to face of stud, face of concrete, face of masonry, or to column lines unless noted otherwise. Face of Finish will be noted with 'F.F.'				
В.	All new interior walls to be type " <u>A1</u> " unless noted otherwise.				
C.	Provide sound attenuation blankets in wall, floor to ceiling, at all restrooms, office, and mechanical room locations.				
D.	Furnish and install wood blocking or metal backing plate in stud partitions for anchorage of wall attached items and wall finishes.				
E.	RE: A001 for typical toilet accessories and mounting location information.				
<u>Floor Pl</u>	lan Keynotes - Tenant Interiors				
	S.S. grab bars. Re: A001				
2	ADA height floor mounted toilet w/ automatic flush valves. Re: plumb.				
3	Wall mounted urinal w/ automatic flush valves. Re: plumb		\frown		
4	Baby changing station, recessed mounted: Koala Kare KB111-SSRE Provide blocking.		(B) 3" 4 1/4"	5' - 7 3/4"	3' - 10"
5	Janitor sink, faucet, & mop hanger. Re: plumb.				
6	Semi-recessed fire extinguisher cabinet and class A fire extinguisher			6	
7	Wall mounted class K fire extinguisher				
8	Under counter class A fire extinguisher				
9	1'-10"w x 9'-0"h Blackened steel wood storage box.				
	6" c.i.p. concrete platform. Provide cement backer board (in lieu of gyp. bd.) where raised slab meets stud wall.		 		- 0 1/2"
(11)	Floor trough, Re: plumb, kitchen			\	
(12)	Wall mounted instant hot water heaters. Re: plumb.			ı 	
(13)	Steel firewood storage box on 4" DP CIP concrete pad.		 9	u	9
(14)	Provide plywood finish per finish plan atop PTD gyp board wall. Face of framing to align with face of concrete below. No chamfer in concrete under this wall.	(5)			
(16)	Blackened steel guard rail with WD1 top rail at 42". Rail to be bolted to concrete slab on Level one and bolted to wood floor at the Mezzanine, provide blocking in floor framing as necessary.				A3 sim
(17)	Steel column. Ptd, P2				A7_sim
(18)	Blackened steel handrail. 1/2" x 1.5" flat stock steel. Top of rail to be at 36" A.F.F. Bolted to concrete slab.				
(19)	2 1/2" thick wide WD2 divider panel between booths. Provided by booth MFR, coord. with arch.				
20	C.I.P. accessible concrete ramp. Re: A101.		+ e 4		
(21)	Wall sconce. Re: A151, Elec.				
(22)	Thin brick wall finish. Re: A701			5	
23	Partial height wall. Re: A701 for wall finish.			8 5' - 0"	5' - 3 1/2"
24	Owner Furnished, contractor installed 36" diam red brushed stainless steel pin mounted sign on WP1 wall. Sign to be RDG logo, coord with owner.			A11 A653	*/
25	Wood Stair w/ closed risers, 17 treads @ 11"ea. and 18 risers @ 6.67" ea. = 10'-0"				A7
(26)	Turn wood flooring down face of wall approximately 11-3/4". Align bottom of wood flooring with bottom of top wood tread at stair.			7	A3
27)	Provide 5/8" osb sheathing beneath FRP wall finish, floor to ceiling or as indicated by partition type.				

(4)-

(28) Provide 1/8" steel plate at end wall between wall framing and aluminum storefront.

- 29 Blackened steel guard rail with WD1 top rail at 42". Rail to be bolted to wood treads. Provide 1/2" x 1.5" flat stock steel hand rail on stair side mounted to vertical pickets of guard rail w/ 1/2" x 1" blackened steel L bracket.
- (30) 1/2" x 1.5" flat stock blackened steel hand rail mounted to wall w/ 1/2" x 1" blackened steel L bracket.
- (31) Occupant load sign, 225 occupants
- (32) Occupant load sign,56 occupants
- (33) Carbon dioxide gas detection system Logico2 MK90 Stand Alone Base SET or equal by CO2 vendor. Located at bag-in-box.
- (34) 12" deep by 84" tall MDF cabinets with white melamine interior, provide +/-15" wide full overlay PLAM cabinet doors. Provide stainless steel wire pulls, typ. Provide PLAM adjustable shelving at +/- 14" o.c. All exposed ext. surfaces to be Formica ColorCore white 949, matte.
- (35) Provide blocking in this wall from door frame to south corner for owner supplied, contractor installed food bag hooks. Coordinate final hook location with owner.
- (36) Provide 10" x 60" stainless steel shelf above or below hook location. Coordinate final shelf location with owner.

6

(37) Provide 36" tall x 24" deep MDF cabinet with (6) open cubbies below PLAM countertop. Provide above counter power/data for POS system. All exposed surfaces to be Formica, ColorCore black 909 -matte

(38) Waitstation Cabinet. Provide MDF Base cabinet with full overlay cab doors with black steel door pulls. Provide PLAM countertop. All exposed surfaces to be Formica ColorCore -black 909, matte

_ _ _ _ _ _

ب ه (9)

-(4)

3" 4 1/4"

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A9 Enlarged Plan - Restrooms 1/2" = 1'-0"

5' - 7 3/4"



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A653

+++++/+/+/+++++/

3' - 10"

EQ

EQ

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Keynote Legend - Restrooms

Note: provide wood blocking behind wall

- mounted restroom accessories, typ.
- (1) S.S. grab bars. Re: A001
- 2 Floor mounted toilet, American Standard Madera 3043.001. ADA height, w/ automatic flush valves. Re: plumb.

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- 3 Wall mounted urinal, American Standard Decorum 6042.001. w/ automatic flush valves. Re: plumb.
- 4 Baby changing station, recessed mounted: Koala Kare KB110-SSRE Provide blocking.
- 5 Quartz trough sink, QZ1
- (6) Toilet paper holder, Bobrick B-2888, typ.
- (7)Sanitary napkin disposal (at wom's rm's), Bobrick B-254, typ.
- (8) S.S. soap dispenser Bobrick B-2112, typ.
- (9) Recessed light, Re: A151, elec.
- (10) Elec. hand dryer, Bobrick B-7188, typ.
- (11) Mirror



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	DAIL
1 Bid/Permit Set	04.16.2021
2 Addendum 01	05.03.2021
3 Plans Review Comments	05.12.2021

Floor Plans - Tenant Interiors

A105

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install.

min., black finish

AC3 Acoustical panel ceiling Rockfon Industrial Black, 2'x4'x2" square lay-in, NRC 1.05. Rip panels lengthwise to fit between roof joists. Direct attach with hex-head wood screw and washer through ceiling panel,

fastened to roof deck. Paint screw and washer black prior to

AC2 Washable acoustic panel ceiling, white finish

AC1 Acoustical panel ceiling, 2x2 tegular edge, NRC 70

unfinished materials color <u>P2</u> unless noted otherwise.

Ceiling Plan Finish Legend Note: At ceiling open to structure paint exposed surfaces, decking, steel joists and beams, ductwork, conduit and other

(21) 2x6 Douglas fir T&G wood soffit, clear finish.

3x6 Douglas fir T&G lumber flatwise, clear finish. On HSS beams per stuctrual, primed and painted.

(19) 1x6 rift sawn white oak WD1 boards @ 4" O.C. Provide 2" black fiberglass acoustical board over top.

(18) LED strip light concealed within cove of ceiling, GC1

(17) Pendant light over bar

(16) Pendant light over booth table

(15) Step light cast into concrete riser below. Re: elec.

required. (14) Condensate hood, Re: Mech., Kitchen

(13) Coordinate cooling/ventilation requirements for IT room with owner. Provide cooling/ventilation as

(12) Provide linear slot return diffuser, RE: MEP. Center above guard rail below.

in joist space and through steel beams. Re: Plumb.

Roof drain storm line (shell building scope). Route high

Re: elec. (10) Gyp. bd. bulkhead to structure, ptd.

GC provide power and conduit for data. Re: elec. (9) Kitchen monitor on hung bracket by others. GC provide power and conduit for data at ceiling above.

Kitchen monitor on wall mounted bracket by others.

(6) Manual operated roller shades by owner. Draper Clutch Operated FlexShade or equal. Ceiling/wall headbox w/ aluminum fascia. (7) Roof hatch and metal ladder (shell building scope)

(4) Not used TV's on ceiling mounts by AV contractor. Provide 2x blocking between roof trusses for mounting.

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Walk-in cooler w/ integral light per manufacturer. Re: Kitchen

Gyp. board soffit, ptd.

Exhaust hood. Re: Mech.

Reflected Ceiling Plan Keynotes

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Exterior Elevations

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Aluminum framed storefront Prefinished sheet metal coping T.O. Steel

11' - 4" <u>Mezzanine</u> 10' - 0"

Prefinished corrugated metal panel - Scupper through cast stone and masonry wall Cast stone base panel

_Floor_01_____

Aluminum Framed Storefront

Mfg: Tubelite Style: T14000 Color: Black anodized Size: 2" x 4 1/2" center set

Note: 1" IGU, low-E Aluminum Sunshade Mfg: Tubelite Style: Maxblock Sunshade Z-Blade

Color: Black anodized Size: 30" projection, 5-1/4" blade Brick Type I

Mfg: Hebron Brick Company Color: Sea Grey #6 (70%) Silverado (30%) Size: Modular

Finish: Velour Brick Type II

Mfg: Hebron Brick Company Color: Sea Grey #6 Size: Modular Finish: Velour

Brick Type III Mfg: Sioux City Brick Color: Ebonite Velour Size: Modular

Finish: Velour Paving Brick Type I Mfg: Yankee Hill Color: Dove Grey

Pattern: Herringbone Prefinished Metal Batten Seam Panel Mfg: Berridge Style: Batten Seam Panel Color: Matte Black

Size: 24 ga. x 16" wide Note: Coping finish to match Prefinished Corrugated Metal Panel

Mfg: Berridge Style: HR-16 Panel Color: Zinc Grey Size: 24 ga. x 16" wide, 4" rib w/ 2" reveal

Wood Soffit Species: Douglas Fir

Style: Tongue and groove Size: 1x6 Size: Finish: Stained

Fenced Enclosure and Gate Mfg: Ameristar Style: WireWorks Plus Panel: 4' tall, 2"x6" mesh, 3" v-fold, 6ga. wire

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Post: 2" sq. x 16ga. Finish: PermaCoat powder coated Color: Black







Users\rhunter\Documents\20-033_RDG LS_Central_ads



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Exterior Finish Basis of Design Products:			
Aluminum Mfg: Style: Color: Size: Note:	Framed Storefront Tubelite T14000 Black anodized 2" x 4 1/2" center set 1" IGU, low-E		
Aluminum Mfg: Style: Color: Size:	n Sunshade Tubelite Maxblock Sunshade Z-Blade Black anodized 30" projection, 5-1/4" blade		
Brick Typ Mfg: Color: Size: Finish:	e I Hebron Brick Company Sea Grey #6 (70%) Silverado (30%) Modular Velour		
Brick Typ Mfg: Color: Size: Finish:	e II Hebron Brick Company Sea Grey #6 Modular Velour		
Brick Typ Mfg: Color: Size: Finish:	e III Sioux City Brick Ebonite Velour Modular Velour		
Paving Br Mfg: Color: Pattern:	ick Type I Yankee Hill Dove Grey Herringbone		
Prefinishe Mfg: Style: Color: Size: Note:	ed Metal Batten Seam Panel Berridge Batten Seam Panel Matte Black 24 ga. x 16" wide Coping finish to match		
Prefinishe Mfg: Style: Color: Size:	ed Corrugated Metal Panel Berridge HR-16 Panel Zinc Grey 24 ga. x 16" wide, 4" rib w/ 2" reveal		
Wood So Species:	ffit Douglas Fir		

Style:Tongue and grooveSize:1x6Finish:StainedFenced Enclosure and GateMfg:AmeristarStyle:WireWorks PlusPanel:4' tall, 2"x6" mesh, 3" v-fold, 6ga. wirePost:2" sq. x 16ga.Finish:PermaCoat powder coatedColor:Black

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										IE
H				Finisł	n Plan K	Keyed Notes	<u>Finish L</u>	egend		~
			1	Provide wal	base per fini	ish plan. Top of wall base to	XX0 XX0	Floor Finish Base Finish	J	дд , Р. О
				be 4-1/2" at top of 6" co of base at th	ove Floor 01 ncrete pad at nis location or	Level and extend down to booth locations. Total height nly is 8".	XX0	Wall Finish		7 υ,
			2	Return 5/4"	poplar hardw	rood to window frame, stained		Varies, RE: finish tags on plan None		
				to match We locations the	at fall within V	low and door jamb/sill VC1 panels, typ.				
			3	1/8" blacker Fasten to w	ned steel plate all with count	e, M1 wall cap and end trim. ersunk black flat head torx	Floor Fi	<u>nish</u>		A J
				degree bend steel down f	o" o.c., cente d where steel to top of curb	turns down end wall. Extend	conc	CONCRETE FLOOR Sealed concrete floor. Refer to A101 for concrete type, finish, and extent.		
		-(7)	4	All exposed	turned down	slab edges to match 'conc'	EP1	EPOXY FLOOR MFG: Tenant	Н	L R
		-	5	Brick on this	s partial heigh	t wall to extend 6" below top		STYLE: MMA COLOR: Onyx (Color and texture to match existing RDG @Overland Park (159th)		\mathbf{D}
			C	of booth bac concrete cu	rb, P4.	td cement board down to	W1	WOOD FLOOR SPECIES: White Oak 3/4" X 4" T&G		
-			6	8" tall WB1	at all booth p	latform locations		GRADE: Light character FINISH: High traffic, commercial waterborne		
			7	Quartz troug	gh sink, QZ1			arch. sample		nits nts Dr. 181
			8	Wood plank below top of	s on this part f booth back a	ial height wall to extend 6" and 6" behind booth from	Wall Bas			me nel in
				floor, P4.	Tovide pld gy		WBI	WOOD BASE 1x lumber (Height: 4-1/2" U.N.O), Poplar stained finish to match WP1. Paint base P4 at FRP	G	Su Sur Sur Sur Sur
			9	Full height t wall cap gua	blackened 1/8 ard. Provide a	" bent steel, M1 U shaped at head of wall opening when		locations. Paint base P1 at office 115 location only		S)00 DOC
			(10)	applicable	tainless stee	l comer quard. Provide full I I	EB1	6" epoxy resin cove base, integral w/ epoxy floor finish EP11" typ.		it, we
				shaped wall	cap guard at	t end wall conditions.	MB1	METAL BASE 4-1/2" x 1" L - bent plate steel -		L Lo
X		-(6.1)	(11)	Return the jamb and he	NC1 chair rai ad at this loc	l at jamb. Provide PTD P1 cation.	RB1	M1 $\overrightarrow{+}$ RESILIENT BASE		- Inclución
			(12)	Partial heigh stained to m	nt wall to be 3 natch WC1. C	3'-6" a.f.f with 5/4" poplar top, Overlap edge of wall by 1/2"		4" cove base		ntr n L N S S
		-6 -(59)		on all sides.			<u>Wall Fin</u>	ish	F) 1 (0S 05:05: 06:26
		(0.0)	(13)	5"x12" lamir to be clear,	nated rift saw match W1	n white oak stair treads, finish	BR1	BRICK MFG: Hebron Brick Company		Le 20 00
1 1 1 1			(14)	Exposed ste	eel to be pain	ted P2		STYLE: Silverado - Thin Brick - unsealed SIZE: 2-1/4" x 7-5/8" x 1/2" NOTE: Provide mortar joint condition to match		
			(15)	Extend WC column wra	1 chair rail pa ps, return 5/4	nel up to 3'-6" a.f.f. at the " poplar hardwood at jambs		Lenexa location, provide mock up for approval.		ed
1 1 1 1				dack to alur	ninum storetr	ont, stain to match WC1.	GDI	MFG: Trenwyth STYLE: Astra-glaze SW+		OF MIS
				WP2	WOOD PL	ANK - Reclaimed - From		COLOR: Snow White SIZE: 4x4x16" nominal stretcher, and corner units (44S)		PAUL C.
1 1 1 1					owner prov 1x6 tongue Red painte	rided stock. and groove d reclaimed finish	GB2	GLAZED ARCHITECTURAL MASONRY UNIT MFG: Trenwyth STVI E: Actor glaze SWL Thin Veneor	F	NUMBER
				<u>881</u>	G.C. to pre	pare and install		COLOR: Snow White SIZE: 1x4x16" nominal stretcher thin veneer units (24S)		CONTRACTOR OF
		-(5.5)		001	22 ga., Bru * Note: At I	Ished Finish Dishwash 112 provide SS1		**Note: Thin veneer units to extend up to 9'-0" A.F.F. typical. Provide PTD gyp board from 9'-0" to ceiling.		Apr. 12,202
1 1 1 1					wall panel where indic	from work surface up 48" cated.	FP1	FRP PANEL White Finish FRP PANEL (partial beight behind equipment		food service
				WT1	WALL TILE MFG: Wow	E / USA	<u> </u>	where noted) Black Finish		10550 Barkley, Ste. 201
					COLOR: W SIZE: 3"x1	/hite gloss 2"	WP1	WOOD PLANK - Thermory; Ignite 1x6 Tongue and groove (C20), spruce cladding Finish: Embossed Dragon Scale		Overland Park, Kansas 66212 p. 913.945.2490
					**Note: At Wow Gradi Handwritte	all Chair rail location where ient tile is used, use n. Unscripted 2 1/2"x6" Chair		**Note: Provide 1/8" blackened steel corner guards at all outside corners of WP1 finish, typ.	D	mechanical, electrical, and
					rail trim, ty	p. =	WC1	PLYWOOD VENEER PANEL SPECIES: Poplar STVI F: Quantariad backmatched	D	Welch and Mitchell
1 1 1 1				VV I Z	MFG: Wow STYLE: Gr	- v USA radient Crayon Matte		FINISH: Stained - Matte finish Charcoal to match arch's sample SIZE: 4'X8'x5/8" thck. panels, vertical running bond - 1/4"		4370 W. 109th St., Ste. 203 Overland Park, KS 66211
					COLOR: G SIZE: 1.7"> ** Note: Fu	ireige Matte k9.5" Ill height, vertical installation ;	at all	reveal joint backed w/ ptd MDF. Install on 1/4" fry reglet millwork cleat, typ. Provide blocking in stud wall as required by cleat MFR		913.544.1627
					locations, t	ур. =		**Note: T.O panels to be 3'-6" Above Floor 01 typ, U.N.O. *Dooge Veneers; qtd slate dyed poplar as basis of design.		Structural Bob D. Campbell
		(4.6)		111	MFG: Dalti STYLE: Inv	- le voke	WC2	VINYL WALL COVERING Wall graphic, owner provided / installed		4338 Belleview Kansas City, MO 64111
					COLOR: E SIZE: 12"x ** Note: Fu	vening Veil ID04 24 ill height at all locations, typ.	MP1	STANDING SEAM METAL PANELS COLOR: Matt black, prefinished SIZE: 24ga. 12"w panel, 3/4" tall seam		816.531.4144
1 1 1 1				<u>Paint</u> Note [:] /	At ceiling one	n to structure paint exposed	surfaces de	ecking wood joists, steel beams and columns	С	<u>Civil</u> SM Engineering
				ductwo Paint c	rk, conduit a eiling color <u>P</u>	nd other unfinished materials <u>1</u> unless noted otherwise.	color <u>P2 u</u>	nless noted otherwise. At all gyp board ceilings,		5507 High Meadow Circle Manhattan, Kansas 66503
				finish -	Flat. Epoxy Pa	ows. Typical: Eggsnell, Cellin	g: Flat, Trin	SW 6607 Red Tomato		785.341.9747
				P1	SW 7042	Shoji White	P4	SW 6993 Black of Night		
		-(4)		P2	SW 7675	Sealskin				COLLABORATIVE, P.C.
		$-(\widehat{32})$		<u>Other</u>						4523 Mercier Street Kansas City, Missouri 64111 p 816 304 7416
		(0.2)		<u>M1</u>	BLACKEN MFG: FINISH:	IED METAL TBD Clear matte finish on Hot	WD1	WOOD FINISH SPECIES: White Oak, rift sawn GRADE: Light character	В	proto.504.7410 pminto@urbanprairiekc.com
		\bigcirc				Rolled steel w/ natural dark color variation		FINISH: Prefinished w/ light stain to match arch's sample		PROJECT NUMBER: 2/ ISSUE DATE: 9 April,
		-2		M2	BLACKEN MFG: FINISH:	NED METAL TBD Clear matte finish on Steel	vvD2	SPECIES: Match butcher block tables GRADE: Medium Character		REVISIONS I 1 Bid/Permit Set 04.16.2
					**Noto: 0	tubing/flat bar w/ natural dark appearance		FINISH: Prefinished w/ stain to match arch's sample		2 Addendum 01 05.03.2 3 Plans Review Comments 05.12.2
					joints smo Typ.	both and touch up - darkened	QZ1	QUARTZ COUNTERTOP MFG: Cambria		
				M3	BLACKEN MFG:	IED METAL TBD		STYLE: Marble COLOR: Carrick SIZE: 3cm		I
H)					FINISH:	Expanded metal - Openings not more than 1", typ.			A	Finish Plan
				**~~		sharp openings.	of - 11 fr	motoriolo aviente energia		
				~~Gene	nai note: GC	to provide physical samples	ui ali tinish	materiais prior to approval.		N / N 7

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<u>Finish Legend</u>

- None

Floor Finish

XX0 Floor Finish XX0Base FinishXX0Wall Finish

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 ETR
 Existing finish to remain

 V
 Varies, RE: finish tags on plan

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Finish Plan Keyed Notes

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- (1) Provide wall base per finish plan. Top of wall base to be 4-1/2" above Floor 01 Level and extend down to top of 6" concrete pad at booth locations. Total height of base at this location only is 8".
- (2) Return 5/4" poplar hardwood to window frame, stained to match WC1 at all window and door jamb/sill locations that fall within WC1 panels, typ.
- (3) 1/8" blackened steel plate, M1 wall cap and end trim. Fasten to wall with countersunk black flat head torx screws @ 16" o.c., centered on steel plate. Provide 90 degree bend where steel turns down end wall. Extend steel down to top of curb.
- (4) All exposed turned down slab edges to match 'conc' finish per the finish schedule
- (5) Brick on this partial height wall to extend 6" below top of booth back. Provide Ptd cement board down to concrete curb, P4.
- (6) 8" tall WB1 at all booth platform locations
- (7) Quartz trough sink, QZ1
- (8) Wood planks on this partial height wall to extend 6" below top of booth back and 6" behind booth from each side. Provide ptd gyp board down to concrete floor, P4.
- (9) Full height blackened 1/8" bent steel, M1 U shaped wall cap guard. Provide at head of wall opening when applicable
- (10) Full height stainless steel corner guard. Provide full U shaped wall cap guard at end wall conditions.
- (11) Return the WC1 chair rail at jamb. Provide PTD P1 jamb and head at this location.
- 2) Partial height wall to be 3'-6" a.f.f with 5/4" poplar top, stained to match WC1. Overlap edge of wall by 1/2" on all sides.
- (13) 5"x12" laminated rift sawn white oak stair treads, finish to be clear, match W1
- (14) Exposed steel to be painted P2
- (15) Extend WC1 chair rail panel up to 3'-6" a.f.f. at the column wraps, return 5/4" poplar hardwood at jambs back to aluminum storefront, stain to match WC1.
 - WP2 WOOD PLANK - Reclaimed - From owner provided stock. 1x6 tongue and groove Red painted reclaimed finish
 - G.C. to prepare and install SS1 STAINLESS STEEL WALL PANEL 22 ga., Brushed Finish * Note: At Dishwash 112 provide SS1 wall panel from work surface up 48"
 - where indicated. FP2 WT1 WALL TILE MFG: Wow USA STYLE: Gradient WP1 COLOR: White gloss SIZE: 3"x12" **Note: At all Chair rail location where
 - Wow Gradient tile is used, use Handwritten, Unscripted 2 1/2"x6" Chair WC1 Wow Gradient tile is used, use rail trim, typ. WT2 WALL TILE MFG: Wow USA STYLE: Gradient Crayon Matte COLOR: Greige Matte SIZE: 1.7"x9.5" ** Note: Full height, vertical installation at all locations, typ. WT3 WALL TILE
 - MFG: Daltile STYLE: Invoke COLOR: Evening Veil ID04 MP1 SIZE: 12"x24 ** Note: Full height at all locations, typ. <u>Paint</u>

Note: At ceiling open to structure paint exposed surfaces, of ductwork, conduit and other unfinished materials color P2 u Paint ceiling color P1 unless noted otherwise. Note: Sheen as follows. Typical: Eggshell, Ceiling: Flat, Trim/Frames: Semi-gloss. Steel columns: Primer finish - Flat.

- PE1
 Epoxy Paint SW 7004 Snow Bound
 P3
 SW 6607 Red Tomato
 P1 SW 7042 Shoji White P4 SW 6993 Black of Night P2 SW 7675 Sealskin <u>Other</u> M1 BLACKENED METAL WD1 WOOD FINISH MFG: TBD SPECIES: White Oak, rift sawn FINISH: Clear matte finish on Hot GRADE: Light character FINISH: Prefinished w/ light stain to match Rolled steel w/ natural dark color variation arch's sample WD2 WOOD FINISH M2 BLACKENED METAL SPECIES: Match butcher block tables MFG: TBD GRADE: Medium Character FINISH: Clear matte finish on Steel FINISH: Prefinished w/ stain to match arch's sample tubing/flat bar w/ natural dark appearance **Note: Ground all welded joints, miter joints smooth and touch up - darkened. QZ1 QUARTZ COUNTERTOP MFG: Cambria STYLE: Marble M3 BLACKENED METAL COLOR: Carrick MFG: TBD SIZE: 3cm
 - FINISH: Expanded metal Openings not more than 1", typ. Flattened version for less sharp openings.

conc CONCRETE FLOOR Sealed concrete floor. Refer to A101 for concrete type, finish, and extent. EP1 EP0XY FLOOR MFG: Tenant STYLE: MMA COLOR: Onyx (Color and texture to match existing RDG @Overland Park (159th) W1 WOOD FLOOR

SPECIES: White Oak, 3/4" X 4" T&G GRADE: Light character FINISH: High traffic, commercial waterborne finish - satin. Light (clear) in character, match arch. sample

Wall Base

- WB1 WOOD BASE 1x lumber (Height: 4-1/2" U.N.O), Poplar stained finish to match WP1. Paint base P4 at FRP locations. Paint base P1 at office 115 location only EB1 EPOXY BASE 6" epoxy resin cove base, integral w/ epoxy floor finish EP1 ∕ 1" typ. MB1 METAL BASE 4-1/2" x 1" L - bent plate steel -M1
- RB1 RESILIENT BASE 4" cove base

Wall Finish

BR1	BRICK MFG: Hebron Brick Company STYLE: Silverado - Thin Brick - unsealed SIZE: 2-1/4" x 7-5/8" x 1/2" NOTE: Provide mortar joint condition to match Lenexa location, provide mock up for approval.
GB1	GLAZED ARCHITECTURAL MASONRY UNIT MFG: Trenwyth STYLE: Astra-glaze SW+ COLOR: Snow White SIZE: 4x4x16" nominal stretcher, and corner units (44S)
GB2	GLAZED ARCHITECTURAL MASONRY UNIT MFG: Trenwyth STYLE: Astra-glaze SW+ Thin Veneer COLOR: Snow White SIZE: 1x4x16" nominal stretcher thin veneer units (24S) **Note: Thin veneer units to extend up to 9'-0" A.F.F. typical. Provide PTD gyp board from 9'-0" to ceiling.
FP1	FRP PANEL White Finish
FP2	FRP PANEL (partial height behind equipment where noted) Black Finish
WP1	WOOD PLANK - Thermory; Ignite 1x6 Tongue and groove (C20), spruce cladding Finish: Embossed Dragon Scale **Note: Provide 1/8" blackened steel corner guards at all outside corners of WP1 finish, typ.
WC1	PLYWOOD VENEER PANEL SPECIES: Poplar STYLE: Quartered, bookmatched FINISH: Stained - Matte finish Charcoal to match arch's sample SIZE: 4'X8'x5/8" thck. panels, vertical running bond - 1/4" reveal joint backed w/ ptd MDF. Install on 1/4" fry reglet millwork cleat. typ. Provide blocking in stud wall as required by
all	cleat MFR. **Note: T.O panels to be 3'-6" Above Floor 01 typ, U.N.O. *Dooge Veneers; qtd slate dyed poplar as basis of design.
WC2	VINYL WALL COVERING Wall graphic, owner provided / installed
MP1	STANDING SEAM METAL PANELS COLOR: Matt black, prefinished SIZE: 24ga. 12"w panel, 3/4" tall seam
urfaces, de color <u>P2 u</u> nl	cking, wood joists, steel beams and columns, less noted otherwise. At all gyp board ceilings,



			GENERAL NOTES - STRUCTURAL			
	I.	The cons inco prod	contractor shall verify dimensions and conditions before struction and notify the engineer of any discrepancies, insistencies, or difficulties affecting the work before ceeding.		F	lapped 48 bar diameters (3'-0" minimum) at splices and embedment's, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise. Accessories shall be as specified in latest edition of the
J	2.	The loca not, drai stru atte	contractor shall coordinate all disciplines, verifying size and ation of all openings, whether shown on structural drawings or as called for on architectural, mechanical, or electrical wings. Conflicts, inconsistencies, or other difficulties affecting actural work shall be called to the architect or engineer's ention for direction before proceeding.		G.	ACI Detailing Handbook and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-O" on center, and all accessories on exposed surfaces are to have plastic coated feet. All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way.
	З.	All the	design and construction work for this project shall conform to requirements of the 2018 International Building Code, as	8.	Str	uctural Steel:
	4.	ame The	ended by the City of Lee's Summit, Missouri. Se drawinas are for this specific project and no other use is		A.	All structural steel beams and columns shall be ASTM A992, grade 50 steel and all miscellaneous steel shall be ASTM A36 arade steel (except at moment connections where
н	5.	auth Stru	norized. Uctural Design Load Criteria:			plates shall be ASTM A572, grade 50). Hollow Structural Sections (HSS) shall be ASTM A500, grade B. Fabrication and erection shall be in accordance with AISC 303-05 "Code of Standard Practice for Steel Buildings and Bridges"
		В.	Dead Load: Roof = 20 psf		В.	in the 13th Edition of the AISC Steel Construction Manual. All welding shall conform to the recommendations of the AWS.
			Live Load: Roofs = 25 psf		υ.	strength (ASTM A325-N). All bolts shall be fully pretensioned. All beam connections shall be designed per
		C.	Snow = Pg = 20psf Drift per ASCE/SEI 7-16 Lateral Loads: 1.) Wind V = 109 mph, Exposure 'C' Occupancy [Risk] Category 11 Jw=10			Connections" for the indicated reactions or at least 0.4 x beam total shear capacity, Vn/Omega, shown in the maximum total uniform load tables, whichever is greater; and, shall account for eccentricity when the bolt line is more
_			GCpi=+/-O.IB Design wind pressures to be used for the design of exterior component and cladding materials on the		D.	than 2 ^a from the center of the support. All connections must be two bolt minimum. All anchor bolts shall be 3/4" diameter, ASTM FI554, Grade
G			designated zones of wall and roof surfaces shall be per section 30.7 and Table 30.7-2 of ASCE/SEI 7-16. Tabulated pressures shall be multiplied by effective	٩.	Pos	st-Installed Anchors:
		D.	area reduction factors, exposure adjustment factors, and topographic factors where applicable. This project is designed to resist the most critical effects resulting from the load combinations of section 1605.3 of the 2018 International Building Code		A.	Post-installed anchors shall be used only where specified on the drawings unless approved in writing by the engineer of record. See drawings for anchor diameter, spacing and embedment. Performance values of the anchors shall be
	6.	Con	crete:			obtained for specified products using appropriate design procedures and/or standards as required by the governing building code. Anchors installed in concrete shall have an ICC-ES Evaluation Service Report. Special inspection is
		A.	All concrete for foundations (walls, grade beams, and footings) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of concrete		В.	required for all post-installed anchors. Mechanical anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance
F			regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump.		С.	installed per the anchor manufacturer's written instructions. Adhesive anchors used in cracked and uncracked concrete shall have been tested and qualified for use in accordance
		B.	All concrete for interior flat work shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 560 pounds of cement shall be used per cubic word of concrete recordess of strengths		D.	with ICC-ES AC308. All anchors shall be installed per the anchor manufacturer's written instructions. Mechanical anchors used in solid grouted masonry shall have
		C.	obtained, not over 5 gallons of water per 100 pounds of cement and not over 4 inches of slump. All concrete for exterior flatwork shall have a minimum		F	been tested and qualified for use in accordance with ICC-ES ACOI. All anchors shall be installed per the anchor manufacturer's written instructions. Addesive anchors used in solid arguted masance shall have
			design compressive strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump			been tested and qualified for use in accordance with ICC-ES AC58. All anchors shall be installed per the anchor manufacturer's written instructions.
E		D.	The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's decage rates for improved	IO.	F <i>o</i> u A.	ndations: Spread footings and grade beams are designed to bear on
		E.	workability. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved		В.	engineerea fill or unaisturbea soll capable of safely sustaining 2000 psf. Contractor shall provide for dewatering at excavations from either surface water or seepage.
		F.	ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced. Combined aggregate (coarse plus fine) for all concrete shall be well araded from coarsect to finest with no more than 18		С.	All foundation excavations shall be inspected by a qualified soil engineer, approved by the architect and/or structural engineer, prior to placement of steel or concrete. This
		6	percent and not less than 8 percent retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves. Submit this gradation report with the concrete mix design shop drawings.		D.	Moisture content in soils beneath building locations should not be allowed to change after footing excavations and after grading for slabs on grade are completed. If subgrade materials become desiccated or softened by water or other conditions, recompact materials to the density and water
D		0.	mil, Class A Vapor Barrier per ASTM E1745 with less than O.OI perms, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's		Lio	content specified for engineered fill. Do not place concrete on frozen ground.
			recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement.		сіў А.	All load bearing, light gage structural studs, track, and bridging shall be of the type size gage and spacing as
			Install barrier per manufacturer recommended details at all discontinuous edges (at interior columns, exterior edge of slab, etc.) to ensure terms of warranty are followed. The		B.	shown on the plans, minimum. All materials shall be 33,000 psi minimum yield, except studs of 16 gage or heavier shall have a minimum yield of 50,000
		H.	vapor corrier shall be placed over tree-draining granular material as prescribed by the project soils report. P All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not		С.	p51. All properties, fabrication, and erection shall be in accordance with latest editions of the AISI "Specifications for the Design of Cold-Formed Structural Members."
C			otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet requirements of ACI 318, current editions.		D.	All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held
		ι.	Control joints in airt formed slab to be as shown on plans. Where not shown, limit-controlled areas to not more than 144 square feet, or 12 feet on any side. Slab panel side ratio shall not exceed 1 1/2 to 1.		E.	Firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted. Tracks shall be securely anchored to floor and overhead
		J. K	and embedded items are correctly located and rigidly secured prior to concrete placement.	12	Ties	members. Special anchorage requirements required for wind bracing shall be as shown on the plans.
		۰ ۰ .	occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer.	ı ∠ .	⊓mi A.	Quality and construction of wood framing members and their fasteners for load supporting purposes not otherwise
	٦.	L. Reir	no aluminum items shall be embedded in any concrete. Nforcing Steel:		В.	2018 International Building Code. All studs and top and bottom plates shall be Douglas Fir No.
В		A.	All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform to the requirements of ASTM A1064.			∠ grade visually graded lumber, with an allowable fiber stress in bending of 900 psi minimum and an elastic modulus of 1,600,000psi unless noted otherwise. All joist, truss members, and headers to be No.2 grade (min. unless noted otherwise.
		B.	Clear coverage of concrete over reinforcing steel shall be as follows: Concrete placed against earth 3"		С. D.	Blocking of stud bearing walls and shear walls shall be solid, matching sheathing joints. Joist blocking and bridging shall be solid wood or cross
_			Formed concrete against earth 2" Slabs I" Other 2"		E.	bridging of either wood or metal straps. Spacing, in any case, shall not exceed 8'-0". Wood members and sheathing shall be fastened with number
		С.	All coverage shall be nominal bar diameter minimum. All dowels shall be the same size and spacing as adjoining main bars (splice lap 48 bar diameters or 30" minimum unless nated otherwise)			and size of fasteners not less than that set forth in Table 2304.9.1 of the 2018 International Building Code. Floor sheathing shall be APA rated tongue and groove Sturd-I-Floor exposure Lowed and poiled with advice short
A		D.	At corners of all grade beams supply corner bars (minimum 2'-6" in each direction or 48 bar diameters) in outside face of wall, matching size and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 -			nails or # 10 screws at 12" on center to all supports. All floor sheathing shall be installed with 1/8 inch gaps between panel edges and end joints. Sheathing of exterior walls or roof diaphragms shall be edge nailed with 8d common nails

#4 vertical support bars for corner bars.

E. Bars marked continuous and all vertical steel shall be

pe 33,000 psi minimum yield, except studs vier shall have a minimum yield of 50,000 abrication, and erection shall be in test editions of the AISI "Specifications old-Formed Structural Members." ents shall be cut squarely or at an angle inst abutting members. Splicing of axially not permitted. Members shall be held properly fastened. Attachments of shall be by welding, screw attachment, or f components is not permitted. enaineer. curely anchored to floor and overhead anchorage requirements required for wind ction of wood framing members and their

1705.3

stamp.

Verification of Soil Bearing Capacities C. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person.

D. All discrepancies shall be brought to the immediate attention of the contractor for correction, then, if uncorrected, to the proper design authority, building official and structural

15. Copyright and Disclaimer:

A. All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner. B. I, Michael J. Falbe, P.E., registered engineer and a

representative of Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction document package.

G. All hangers, ties and connections shown are based on Simpson Strong Tie as the basis of design, provide Simpson Strong Tie or an approved equal. Joist hangers shall be equal to "LUS" for wood application and "LB" for steel weld-on application. Roof joist ties shall be equal to "H2.5T". H. Service condition - dry with moisture content at or below 19%

I. Laminated veneer lumber (LVL) shall have an allowable flexural stress (F_b) of 2,600 psi (reduced by size factor) and an elastic modulus (E) of 1,900,000 psi.

A. Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc. B. Prior to submittal of a shop drawing or any related material

to Bob D. Campbell and Company, Inc., the GC shall: 1) Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC.

2) Review and approve each submission.

in service.

13. Shop Drawing Review:

at 6" on center and nailed to intermediate framing and/or

blocking members with 8d common nails at 12" on center

3) Stamp each submission as approved. C. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation.

D. Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the

1) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement

2) Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities.

3) Structural steel shop drawings including erection drawings and piece details. Include joist, decking and connector submittals. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D.

Campbell and Company, Inc. review. 4) Structural steel connection design calculations submitted concurrently with structural steel shop drawings.

5) Construction and control joint plans and/or elevations. E. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval

14. Statement of Structural Special Inspection:

A. The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the 2018 International Building Code. The owner shall employ one or more qualified special inspectors

to provide the required special inspections. B. The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and

provide access for those inspections. 1) Shop Fabrication - structural steel and steel bar joist per Section 1704.2.5 unless AISC certified shop 2) Steel Construction per Section 1705.2 and the quality

assurance requirements of AISC 341 Chapter J (as referenced by AISC 360) 3) Concrete Construction per Section 1705.3 and Table

Reinforcing Steel Placement

Bolts in Concrete

Post Installed Anchors

Design Mix Verification Concrete Sampling and Testing

Concrete Placement

Structural Welding

Drill & Epoxy Bolts High Strength Bolting

E. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans and specifications and the applicable workmanship provisions of the building code.







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EQ.

EQ.



EQ.

11 11

EQ.



10"

1'-10"

Kansas City, Missouri 64111 p 816.304.7416 pminto@urbanprairiekc.com

PROJECT NUMBER

DOUL DATE.	0710111 2021
REVISIONS	DATE
1 Bid/Permit Set	04.16.2021
2 Addendum 01	05.03.2021

S100

© Copyright 2021

Foundation Plan



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13

GENERAL NOTES:

12

- 1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DISCIPLINE'S DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- 2. EXISTING CONDITIONS WERE TAKEN FROM AS BUILT DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE DEMOLITION WORK AND NEW WORK WITH EXISTING CONDITIONS AND OTHER TRADES PRIOR TO CONSTRUCTION.
- 3. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE PLUMBING SYSTEMS. VERIFY CHASE AND PENETRATION LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR PIPING MEET REQUIREMENTS.
- INSTALL PIPING PARALLEL TO BUILDING LINES, UNLESS NOTED OTHERWISE.
- 5. COORDINATE LOCATION OF EQUIPMENT AND SUPPORTS WITH LOCATION OF ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT. IF NO ACCESS PANEL IS SHOWN, PROVIDE ACCESS PANEL IN SIZE REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- 6. SEAL PENETRATIONS THROUGH BUILDING COMPONENTS IN ACCORDANCE WITH LOCAL CODES. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
- 7. MODIFY EXISTING SPRINKLER SYSTEM TO ACCOMMODATE NEW WORK. DESIGN AND INSTALL PER NFPA13, LATEST EDITION.
- COORDINATE EXACT ROUGH-IN REQUIREMENTS AND LOCATIONS FOR KITCHEN EQUIPMENT WITH KITCHEN EQUIPMENT PLANS PREPARED BY OTHERS.
- 9. ALL GREASE DUCTS SHALL BE FIELD FABRICATED, WLEDED, STAINLESS STEEL.

PLAN NOTES:

- 1 SEE ROOF PLAN FOR CONTINUATION.
- (2) ROUTE DUCT AS HIGH AS POSSIBLE, ROUTE AT ROOF SLOPE.
- 3 TRANSITION DUCT DOWN TO ELEVATION APPROVED BY
- ARCHITECT.
- (4) INTERNALLY LINE DUCTWORK WITH 1/2" INSULATION.
- 5 12"X12" SUPPLY AIR DUCT DOWN TO FLOOR BELOW. SEE FLOOR PLAN FOR CONTINUATION.

food service

TriMark Hockenbergs 10550 Barkley, Ste. 201 Overland Park, Kansas 66212 p. 913.945.2490 mechanical, electrical, and plumbing Welch and Mitchell

4370 W. 109th St., Ste. 203 Overland Park, KS 66211

913.544.1627 structural

Bob D. Campbell

4338 Belleview Kansas City, MO 64111 816.531.4144

<u>Civil</u> SM Engineering

5507 High Meadow Circle Manhattan, Kansas 66503 785.341.9747

architectural

URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C.

4523 Mercier Street Kansas City, Missouri 64111 p 816.304.7416

pminto@urbanprairiekc.com Missouri Certificate of Authority: #

PROJECT NUMBER: 20-033 ISSUE DATE: 10 March, 2021

DATE
04.16.2021
05.03.2021

Mechanical Mezzanine Plan

ER-1

RG-1

RG-2

RG-3

SD-2

SD-2

SD-2

SD-2

SD-3

SD-3

SD-4

SD-4

SD-3

SD-2 8

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	RADIAN	NT HEATEF	R SCHEDULE	
	UNIT INI	FORMATION		
UNIT	MFG	MODEL	CAP	NOTES
CALLOUT		NO.	(BTUH)	
RH-1	INFRASAVE	IO-152	50.0	1

TITUS

2

AIR TERMINAL DEVICES SCHEDULE

PLAN MARK QUANTITY MANUFACTURER MODEL SERVICE MOUNT TYPE BORDER SIZE NECK SIZE VOLUME DAMPER

LAY-IN

LAY-IN

SURFACE

SURFACE

SURFACE

SURFACE

SURFACE

SURFACE

SURFACE

LAY-IN

LAY-IN

350FL EXHAUST SURFACE

350FL RETURN SURFACE

300FL SUPPLY SURFACE

PAR RETURN

PXP RETURN

300FL SUPPLY

300FL SUPPLY

300FL SUPPLY

TMR SUPPLY

TMR SUPPLY

TMR SUPPLY

OMNI SUPPLY

OMNI SUPPLY

300FL SUPPLY

3

24"X24"

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24"X24"

24"X24"

24"X24" 24"X24"

8"X8"

12"

24"X12"

12"X6"

10"X6"

18"X6"

6"X6"

8"X8"

12"

8"

10"

8"

12"

NOTES:

1. SUPPLY WITH PATIO PANEL, MOUNTING KIT AND FLEXIBLE GAS CONNECTOR.

	LAMIN	AR FLO	W GRILL	E SCH	EDULE	
PLAN	MFG.	MODEL	SERVICE	MOUNT	VOLUME	NOTES
MARK		NO.		TYPE	DAMPER	
LF-1	TITUS	TLF-SS	SUPPLY	LAY IN	YES	1
	NOTES.					

NOTES: 1. SUPPLY IN SIZES SHOWN ON DRAWINGS

			ELECT		HEATER	SCHE	DULE
	UNIT INFC	RMATION	DUCT DIM	IENSIONS	EL	EC HEA	TING CO
UNIT	MFG	MODEL	LENGTH	HEIGHT	AIRFLOW	EAT	LAT
CALLOUT		NO.	(IN)	(IN)	(CFM)	(°F)	(°F)
EDH-1	INDEECO	QUA	12	8	450	55	83
EDH-2	INDEECO	QUA	10	12	475	55	95

NOTE 1: FURNISH WITH INTEGRAL NON-FUSED DISCONNECT SWITCH AND FACTORY CONTROLS.

4

YES

NO

YES

NO

YES

UNIT	1	-					DEDIC	CATE	ED OUT	SIDE A		SCHEE	ULE								r	
		MEC				EVT			GAE	GAS BUI							NC THO		# 05			
CALLOUT	(LBS)	IVIE'G	NO.	PHASE	(AMPS)	STATIC	(CFM)		TYPE		OUTPUT	(°F)	(°F)	(°F)	(°F)	(MBH)	(MBH)	NUM	# OF			
OAU-1	1305	TRANE	OABD036A3	208/3	25.6 35	0.75	600	2.5	NAT	(IVIDH) 75	(IVIBH) 60	0	92.6	100/77	56.6/56.4	28.2	43.2	1	1	(F) 100	2" PLEATED) 1
	NOTES:																					
	1. SUPPLY U																					
		B. FACTO	ORY ROOF CUP	AND DISCON	INECT.																	
		C. COND		AIL GUARDS	i.																	
		E. OUTD	OOR HOOD W	ITH INSECT S	SCREEN.																	
		F. HOT G	SAS REHEAT.	S																		
		0.17010		0.																		
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PROVID	ECONOMIZER AIR F RETURI FLEXIBLE C E FACTORY R URE THAT UN	R HOOD R HOOD TOW N AIR DUC CONNECTION ROOF CURE	DESS PANEL	ROOFTO			PROVID FOR SO	WER E DR SHAL TAPI RB MU POWE AL PL/	T SWITCH CONNEC AIN LL BE MA ER AS RE JST BE LE ER CIRCU ANS.	H NUFACTI EQUIRED EVEL. JITS. F 5/8" GYI ON	JRED	E C S S T C S C O F	EXTEND D DVER TOF ECURE D O CURB D O CURB D CO CURB D REWS, P R BOLTS FASTEN	OUCTWC POF CU OUCTWC NAILER ✓ JRB ✓ JRB ✓ INS, 2" X 2" >	DRK RB, DRK						SECUP PREFABR TREATED	
PROVID	ECONOMIZER AIR F RETURI FLEXIBLE C	R HOOD R HOOD ELOW N AIR DUC CONNECTIO	DESS PANEL	ROOFTO			PROVID FOR SUP	WER E DR SHAL TAPI RB MU POWE AL PL/	T SWITCH CONNEC AIN LL BE MA ER AS RE IST BE LE ER CIRCU ANS. AYERS OF REDUCTI	H NUFACTI EQUIRED EVEL. JITS. F 5/8" GY ON	JRED	E C S S T C S C O F	EXTEND D OVER TOF ECURE D TO CURB D TO CURB D TO CURB D REWS, P R BOLTS FASTEN T STEEL AI SECURE	DUCTWC POF CU DUCTWC NAILER JRB //ITH PINS, 2" X 2" > NGLE IF LY TO D							SECUP PREFABR TREATED	WITH BIR RE EXHAI CATED I WOOD N ROOF DEC RAWINGS FER BALA RWISE) DA
PROVID ENSI	ECONOMIZER AIR F RETURI FLEXIBLE C E FACTORY R URE THAT UN	R HOOD N AIR DUC CONNECTIO	DESS PANEL			UNIT CON ROC WIT TOF CONTR SEE EL	COLAND ECTRICA PROVID FOR SO VIDTH	WER E DR. SHAL TAPI RB MU POWE AL PL/ E 2 LA UND F PLY A L AS F	T SWITCH CONNEC AIN LL BE MA ER AS RE IST BE LE ER CIRCU ANS. AYERS OF REDUCTI	H NUFACTI EQUIRED EVEL. JITS. F 5/8" GYI ON JRN AIR E.	JRED	E C S T T S C O F	EXTEND D OVER TOF SECURE D TO CURB D TO CURB D REWS, P R BOLTS FASTEN S STEEL AI SECURE AND ROO	OUCTWO POFCU OUCTWO NAILER JRB /ITH PINS, 2" X 2" > NGLE IF LY TO D DF STRU	ORK RB, DRK DRK CRK CRK CRB, DRK, DRK, DRK, DRK, DRK, DRK, DRK, DRK						SECUP PREFABR TREATED PREFABR TREATED R COUNT OTHER ABOVE DAMPE	WITH BIR RE EXHAI CATED I WOOD N ROOF DEC RAWINGS FER BALA RWISE) D/ TO ALLO ER FROM
PROVID ENSI 1. 2.	ECONOMIZER AIR F RETURI FLEXIBLE C E FACTORY R URE THAT UN	THE ACC R HOOD THOOD N AIR DUC CONNECTION ROOF CURE IT SITS LE ROOF OF	DESS PANEL	ROOFTO	OP UNIT	UNIT CON ROC WIT TOF CONTR SEE EL	COLAND PROVID FOR SO VIDTH COLAND	WER E DR. S SHAL TAPI RB MU POWE AL PL/ E 2 LA UND F PLY A L AS F	T SWITCH CONNEC AIN LL BE MA ER AS RE IST BE LE ER CIRCU ANS. AYERS OF REDUCTI ND RETU POSSIBLE MANUAL	H TION NUFACTI EQUIRED EVEL. JITS. F 5/8" GYI ON JRN AIR E.	JRED	E C S T T S C O F	EXTEND D OVER TOF SECURE D TO CURB D	OUCTWO POFCU DUCTWO NAILER JRB JIRB JIRB JIRB JIRB JIRB JIRB JIRB	ORK RB, DRK ORK (1/4" - RON DUCT JCTURE					AUST DUCT OUGH ROC PLANS FOR	SECUF PREFABR TREATED PREFABR TREATED R COUNT OTHER ABOVE DAMPE	WITH BIF RE EXHAU CATED I WOOD N ROOF DEC RAWINGS RER BALA RWISE) DA TER BALA RWISE) DA TER BALA RWISE) DA TO ALLO ER FROM
PROVID ENSI 1. 2. 3.	ECONOMIZER AIR F RETURI FLEXIBLE C E FACTORY R URE THAT UN	The second secon	ESS PANEL	ROOFTO	OP UNIT	UNIT CON ROC WIT TOF CONTR SEE EL	COL AND ECTRICA PROVID FOR SO VIDTH COR SUP AS SMALL NSTALLA	WER E DR. S SHAL TAPI R MU POWE AL PL/ E 2 LA UND F PLY A L AS F TION D BELO	T SWITCH CONNEC AIN L BE MA ER AS RE IST BE LE ST ST BE LE ST ST S	H TION NUFACTI EQUIRED EVEL. JITS. JITS. F 5/8" GYI ON JRN AIR E. ROOF.	JRED	E C S S T C S C O F	ECURE CL DOCURE I COCURE I COC	JRB VITH VITH VITH VIS, 2" X 2" > NGLE IF LY TO D DF STRU	ORK RB, DRK CRK CRK CRK CRK CRB, DRK CRC CRC CRC CRC CRC CRC CRC CRC CRC C					AUST DUCT OUGH ROC PLANS FOF AND LOCA	SECUP PREFABR TREATED PREFABR TREATED R COUNT OTHER ABOVE DAMPE	RE EXHAI RE EXHAI NOOD N ROOF DEC RAWINGS FER BALA RWISE) DA TO ALLO ER FROM
PROVID ENSI 1. 2. 3.	ECONOMIZER AIR R RETUR FLEXIBLE C E FACTORY R URE THAT UN	RHOOD RHOOD TIONNECTION ROOF CURE IT SITS LE ROOF OF ROOF OF SITIONS SH ROOF OF	DESS PANEL	ROOFTO ROOFTO	DP UNIT	UNIT CON WIT TOF CONTR SEE EL CURB V PENINGS F SHALL BE A ION AND IN E THE CEIL DETAIL	COL AND ECTRICA PROVID FOR SO VIDTH COR SUP AS SMALL NSTALLA	WER E DR. S SHAL TAPI RB MU POWE AL PL/ E 2 LA UND F PLY A L AS F TION D BELO	T SWITCH CONNEC AIN L BE MA ER AS RE UST BE LE ST BE LE ST BE LE CANS. AYERS OF REDUCTI ND RETU POSSIBLE MANUAL OW THE	H NUFACTI EQUIRED EVEL. JITS. F 5/8" GYI ON JRN AIR E. ROOF.	PBOARD	E C S S T C S C OF	ECURE CL DOCURE I COCURE I COC	JRB VITH VITH VITH VIS, 2" X 2" > NGLE IF LY TO D DF STRU						AUST DUCT OUGH ROC PLANS FOR AND LOCA	SECUP PREFABR TREATED PREFABR TREATED R COUNT OTHER ABOVE DAMPE FUP DEF. R TION ETAIL	WITH BIR RE EXHAL ICATED II WOOD N ROOF DEC RAWINGS FER BALA WISE) DA TO ALLC ER FROM

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	-		-		

ROOF TOP UNIT SCHEDULE

					UNIT	INFORMA	TION				GAS BURNER INFORMATION						DX COI	L INFORM	MATION					FILTER		
UNIT	WEIGHT	NOMINAL	MFG	MODEL	VOLT/	MCA	MOCP	EXT	FLOW	ΗP	GAS	EFF.	GAS	GAS	EAT	LAT	EAT	LAT	SHC	THC	STEPS	FAN	# OF	AMB	TYPE	NOTES
CALLOUT	(LBS)	TONS		NO.	PHASE		(AMPS)	STATIC	(CFM)		TYPE	(%)	INPUT	OUTPUT	(°F)	(°F)	(°F)	(°F)	(MBH)	(MBH)	(#)	NUM	COMP	TEMP		
								(IN WC)					(MBH)	(MBH)										(°F)		
RTU-1	1069	7.5	TRANE	YSC092	208/3	39.3	50	0.9	3000	1	NAT	80	200	160	65	114.4	80	55	81.0	90	3	1	2	100	2" PLEATED	1,2
RTU-2	2519	15	TRANE	YSD180	208/3	75	100	0.9	6000	5	NAT	80	250	200	65	95.9	80	55	162.0	180	3	1	2	100	2" PLEATED	1,2
RTU-3	1399	10	TRANE	YSC120	208/3	49.6	60	0.9	4000	3	NAT	80	250	200	65	111.3	80	55	108.0	120	3	1	2	100	2" PLEATED	1,2
RTU-4	2519	15	TRANE	YSD180	208/3	75	100	0.9	6000	5	NAT	80	250	200	65	95.9	80	55	162.0	180	3	1	2	100	2" PLEATED	1,2

NOTES:

1. SUPPLY UNIT WITH THE FOLLOWING OPTIONS: A. FACTORY ROOF CURB/ CURB ADAPTOR.

B. FACTORY STARTER AND DISCONNECT.

C. CONDENSER COIL HAIL GUARDS.

D. ECONOMIZER WITH BAROMETRIC RELIEF.

E. OUTDOOR AND RELIEF AIR HOODS, WITH INSECT SCREEN.

F. WIRED THERMOSTATS AND TEMPERATURE SENSOR. WIRELESS CONTROLS ARE NOT ACCEPTABLE.

2. SUPPLY WITH 2 COMPRESSORS.

					_									
									EXHAUS	T FAN SCH	IEDULE			
СС	DIL INFOR	RMATION			Ī				UNI	INFORMATIO	N			
•	CAP	STEPS	VOLT/	NOTES		UNIT	MFG	MODEL	TYPE	EXT	FLOW	HP	VOLT/	NOTES
	(KW)	(#)	PHASE			CALLOUT		NO.		STATIC	(CFM)		PHASE	
	4.0	SCR	208/3	1						(IN WC)				
	6.0	SCR	208/3	1		EF-1	COOK	ACED	DNBLAST	0.5	450	1/2	120/1	1
D	FACTOR	Y CONTR	OLS.		_		NOTES:							

1. SUPPLY WITH FACTORY STARTER, DISCONNECT, ECM MOTOR WITH SPEED CONTROLLER,

INSECT SCREEN AND ROOF CURB.

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		 Independent of the second secon
		A Mechanical Schedules & Details
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		1		2			3				4						5				6
		ND-2 HANGING ANGLE DETAIL																			
		THROUGH ANOTHER HANGING ANGLE	HOOD INFO				MAX	APPLIANCE	DESIGN	TOTAL			EXHAUST RISEF	PLENUM R(S)				HOOD	HOOD (PATEN1
1			NO TAG	5424			TEMP		CFM/FT	EXH CFM	WIDTH	LENG H	IEIGHT DIA	CFM	VEL	SP	CFM	CONSTRUCTION 430 SS	END	ROW	AC-PSP (AC-PSP) AC-PSP]
0			1 17 2 ITEM	ND-2-PSP- 5424		10' 0"	DEG 450		200	2000	10	13	4	2000	1551	-0.716	1120	WHERE EXPOSED 430 SS			
			3 ITEM	ND-2-PSP- 5424 ND-2-PSP-		11' 0"	450 DEG	I MEDIUM	200	2200	10"	21"	4"	2200	1509	-0.876"	1760	WHERE EXPOSED 430 SS WHERE EXPOSED	RIGHT	ALONE	
		ROD AND NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR HANGING ANGLE IS PRE-PUNCHED AT FACTORY HANGING ANGLE LOCATIONS	4 ITEM 52	6024 ND-2-PSP-		6' 10"	600 DEG	I HEAVY	285	1948	10"	18"	4"	1948	1558	-0.872"	1442	430 SS WHERE EXPOSED	ALONE	ALONE	
		HOOD STYLE DIM FROM DIM FROM DIM FROM	5 ITEM 71	4224 VHB-G	CAPTIVEAIRE	6'0"	700 DEG	II N/A	150	900			4" 12	" 900	1146	-0.105"	0	304 SS 100%	ALONE	ALONE	
		(24 H) (30 H) CANOPY 4.166" 2.246" 2.246"	HOOD INFO	ORMATION		FILTER(S	s)		+ -		LIGHT(S)				1				ET(S)	ELECTRIC	
		ND2—PSP—F 4.166" 2.246" 2.246"	NO TAG	т	YPE	QTY HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY		TYPE		GUARD L	OCATION	SI	ZE	TYPE	SIZE		MODEL	#
		BACKSHELF BD-2 4.166" 2.246 -	1 ITEM 1 17	CAPTRATE	SOLO FILTER	5 16"	16"	85% SEE FILTER SPEC	2	L55 S	SERIES E	26	NO								
н		VHB/VHB-G 36"X36" 42"X42" 48"X48"	2 ITEM 2 32	CAPTRATE	SOLO FILTER	7 16"	16"	85% SEE FILTER SPEC	3	L55 S	SERIES E	26	NO	LEFT	12"x54	4"x24"				DCV-41	111
		FRONT/BACK DIMS BY SIZE 2.246" 2.246" 2.246"	3 ITEM	CAPTRATE	SOLO FILTER	8 16"	16"	85% SEE FILTER	4	L55 S	SERIES E	26	NO								
		CALCULATIONS UTILIZED EXHAUST CFM=LENGTH OF HOOD X CFM/LIN.FT. (LOAD)				5 20"	16"	85% SEE FILTER	2	155 9		26	NO								
		SUPPLY CFM=EXHAUST CFM X PERCENTAGE REQUIRED TOTAL DUCT AREA=144 X <u>CFM</u> FPM(*)						SPEC													
		DUCT LENGTH= TOTAL DUCT AREA DUCT DEPTH *CAPTVE-AIRE DUCT CONNECTION SIZES ARE CALCULATED USING AN EXHAUST							0												
		RELICITY OF 1500-1800 FPM AND A SUPPLY VELOCITY OF 300-400 FPM. BUILDING CODES CADTIVE-AIRE HOODS ARE RUILT IN COMPLIANCE WITH:	HOOD OPT	IONS				OPTION													
			1 ITEM 1	FIELD WF BACKSPLAS	RAPPER 12.00 SH 122.00" H	" HIGH HIGH X 10	FRONT, LI D2.00" LO	EFT, RIGHT. ING 430 SS VERTI	CAL.												
		ACCEPTION OF A COEPTION OF A C		LEFT QU	ARTER END PAN	IEL 23" IL 23" T	TOP WIDTH	I, O" BOTTOM WIDT	H, 23' , 23"	" HIGH HIGH 4	430 SS. 430 SS.										
G		* #304404-001 #3054404-002 Listed under ETL File number 3054804-001/002	2 ITEM 3	32 BACKSPLAS	SH 122.00" H	HIGH HIGH X 30 TI 23" T	DO.00" LC	DNG 430 SS VERT	CAL.	нісн	430 55										
		CLEARANCE TO COMBUSTIBLES	3 ITEM 3	32 FIELD WF	APPER 12.00 ARTER END PAN	"HIGH IEL 23"	FRONT, R	IGHT. I, 0" BOTTOM WIDT	, <u>2</u> 3' Н, 23'	" HIGH	430 SS.										
		REDUCTION SYSTEMS AVAILABLE AS FOLLOWS: MATERIAL CLEARANCE REDUCTION SYSTEM		FIELD WF BACKSPLAS	RAPPER 12.00 SH 48.00" HI	"HIGH IGH X 83.	FRONT, LI .00" LON	EFT, RIGHT. G 430 SS HORIZO	NTAL.				- -			+					/////
		NON-COMBUSTIBLE NONE REQUIRED LIMITED-COMBUSTIBLE 3" UNINSULATED STANDOFF	4 ITEM 5	RIGHT SID	ESPLASH 80.0	DO"HIGH >	× 38.00" 38.00" L	LONG 430 SS V ONG 430 SS VE	ERTICAL. RTICAL.								Ť	Ø	10"		9"
		COMBUSTIBLE 1* INSULATED STANDOFF		LEFT ENI RIGHT EN	D STANDOFF (FII	NISHED) 1 INISHED)	1" WIDE 1" WIDE	60" LONG INSU	LATED. ULATED.										<u> </u>		
			5 ITEM -	BACKSPLAS BACKSPLAS	SH – INSIDE CO SH – INSIDE CO RAPPER 12.00	RNER 80. RNER 80. "HIGH	.00" HIGH .00" HIGH	X 2.00" LEG LENO X 2.00" LEG LENO	STH 4	430 SS V 430 SS V	ERTICAL. ERTICAL.							ļ		- — 13"	
		1. ALL ELECTRICAL "FIELD" CONNECTIONS AND RELATED INTERCONNECTIONS BY ELECTRICAL CONTRACTORS. 2. ALL PLURING "FIELD" CONNECTIONS AND RELATED	PERFORAT.	ED SUPPLY	Y PLENUM	<u>S)</u>										54'			U.L. LISTED	L55 SERIES	E26 CANOPY
		INTERCONNECTIONS BY PLUMBING CONTRACTORS. HANGING BRACKETS LOCATED AND WELDED AS SHOWN ON PLANS. ALL OTHER HANGER MATERIALS PROVIDED BY INSTALLING CONTRACTORS.	HOOD NO TAG	POS L	ENGTH WIDTH	HEIGHT T	YPE WIDT	H LENG DIA CFM	SP												
F		ALL CONNECTIONS FROM CAPTIVE-AIRE DUCT PER MECHANICAL CONTRACTORS'S PLANS. COOKING EQUIPMENT TO SHUTOFF IN EVENT OF FIRE. DIMINISTEND TO SHUTOFF IN EVENT OF FIRE.	1 ITEM 1	17 Front	84" 16"	6" N	//UA 10 //UA 10 //UA 10	"28" 560 "28" 560 "28" 533	0.146	<u>)"</u> 5"											
		 EXHAUST PARS TO TORM IN EVENT OF FIRE. ALL LIGHTS FIXTURE SHOWN INSTALLED BY CAPTVE-AIRE ARE FACTORY PREWIRED. INTERCONNECTIONS BETWEEN HOODS AND TO SWITCHES BY ELECTRICAL CONTRACTORS. LINDE CED LIGHT EVENTEE BY INSTALLING CONTRACTORS. 	2 ITEM 3	32 Front	132" 14"	6" N	MUA 10 MUA 10	28" 533 " 28" 533 " 28" 533	0.133	5" 5"						4			28"		
		SEISMIC RESTAINTS ARE RESPONSIBILITY OF INSTALLING CONTRACTOR. INSTALLING CONTRACTOR. INSTALLING CONTRACTORS ASSUME ALL RELATED PERFORMENTLY FOR VERFORMANCE DIMENSIONAL	3 ITEM 3	32 Front	132" 14"	6" <u>N</u>	4UA 10 4UA 10	" 28" 586 " 28" 586 " 00" 586	0.159)")" \"						16'	•				
		DATA CONTAINED ON THESE DOCUMENTS FOR ACCURACY, INTEGRATION, AND ADMINISTRATION OF CODE REQUIREMENTS IN EFFECT PRIOR TO ANY RELEASE FOR PRODUCTION OF EQUIPMENT SHOWN.	4 ITEM 5	52 Front	84" 18"	6" N	MUA 10 MUA 12 MUA 12	28 586 " 28" 720 " 28" 720	0.155	5" 5"										s" _	
		BALANCE 11. KITCHEN HOODS MUST BE BALANCED WITH KITCHEN. 12. KITCHEN SHALL, BE NEGATIVE WITH RESPECT		· · ·	· · ·	·	•		•												
		TO DINING AREA. 13. RESTAURANT SHALL BE POSITIVE WITH RESPECT TO AMBIENT PRESSURE.																4	+2" ——— 		
		14. WRITTEN HOOD DIMENSIONS HAVE PRECEDENCE OVER SCALE. 15. SIGNED AND "APPROVED" COPIES OF THIS DOCUMENT MUST BE RECEIVED BY THE FACTORY PRIOR TO																21"		42" 7' 0"NOM./7'	
E		FILTER DETAIL	-																		
Ľ		FILTER COLLECTION EFFICIENCY 2" Capital Grease Stop Solo Filter																<u>PLA</u> 7'	<u>N VIEW</u> 0.00" L	<u>– HOO</u> ONG 54:	<u>D #1 (IT</u> 24ND-2-
							***	NOTE ***													
						MAKEUP AIF IN MANNER ABILITY TO	R SHALL B THAT WILL CAPTURE	E DELIVERED INTO SPA . NOT DISRUPT HOODS AND CONTAIN.	CE												
							***		=												
		• PARTICLE DIAMETER (µm)	FOR OUES	STIONS. CALL THE:		HOOD MANU		RECOMMENDS NO RET	URNS									Ŋ	A		
			KANSAS C 1126 SWIFT STREI PHONE: FAX:	TY REGIONAL OFFICE ET, KANSAS CITY, MO : (816) 221-8575 (816) 221-8311	64116	HOOD IN AL	L DIRECTIO	WITHIN TO FEET OF DN.													
D				JVAL T⊡ MANUF	-ACTURE:												EXHAUST	RISER.			— 54" —
			Approved as Noted Approved with N□ Excepti	on Taken 🛛			***	NOTE ***									HANGING	ANGLE.			3
		CaptiveAire Captrate Solo Filter	Revise and Resubmit SIGNATURE			ALL WALLS WITHIN 18" AND SHEETI	OF HOOD ROCK. WO	MUST BE METAL STUDS OD STUDS OR ANY OT	HER							16	6" CAPTRAI			HOOD TABLE.	_
		Made From 430 Stainless Steel	Your Title	Da1	te	NO ALLOWE	D.									3" INI	TERNAL STA	HOOK.	\mathcal{A}	$\sqrt{7}$	7
																5 14	ILKINAL STA		15		
		SPECIFICATION: CAPTRATE GREAS	<u>SE-STOP[®] SOLO</u> : IS A SINGLE-STAG	<u>FILTER</u> ie filter fea [:]	TURING										O	IT IS THE F THE ARCI	RESPONSIE			₽	
		A UNIQUE S-BAFFLE DESIGN IN CONJUNCTI TO DELIVER EXCEPTIONAL FILTRATION EFF FILTER IS STAIN FSS STEEL CONSTRUCTION	IDN WITH A SLOTTE	D REAR BAFFLI	E DESIGN, DARTI										ENSURE 4	THAT THE FROM LIMI AND COMBU	HOOD CLEA TED-COMBL ISTIBLE MAT	RANCE STIBLE ERIALS WITH	λ		
		2-INCH DEEP HOOD CHANNEL(S). UNITS SHALL INCLUDE STAINLESS STEEL F	ANDLES AND A FAS		E TO SECURE T	HE TVO										LOCAL CO	DE REQUIRE	MENTS.			23"
С		CUMPENENTS WHEN ASSEMBLED. GREASE EXTRACTION EFFICIENCY PERFERMA PARTICLES FIVE MICRINS IN SIZE AND OF	ANCE SHALL REMOVE	E AT LEAST 75	5% DF GREASE	AND											CPFAC		//		
		LARGER, WITH A CORRESPONDING PRESSURE THE CAPTRATE GREASE-STOP SOLD WAS TH	E DROP NOT TO EXC ESTED TO ASTM STA	CEED 1.0 INCHES	S OF WATER (2519-05.	GAUGE.								LE	FT AND R	WITH	REMOVABL	E CUP.		- 23"	 -
		EFFICIENCY VS. PARTICLE DIAMETER	TUEL APPLICATI PRESSUF	RE DROP VS. FLOW 1	RATE	1														BACKSPLASH X 102.00" LC	i 122.00" high DNG.
			3.00																\mathcal{A}	L	
	1		00 H H S																		
			ц 2.00 d ОД E	/	{															EC BY	QUIPMENT Y OTHERS.
		RACTION	D.1																		
			0.50																4	1	
В		PARTICLE DIAMETER (UM)	0.0	500 FLOW RAT	1000 15 E (CFM)	00															
		CAPTRATE FILTERS ARE BUILT IN COMPLIA NFPA #96. NSF STANDARD #2.	NCE WITH:.	A DECEMBER OF		BUILT IN ACCORDANCE													<u>SECTI(</u>	<u>)n vi</u> ew	<u> — М</u> ОГ
		UL STANDARD #1046. INT. MECH. CODE (IMC). ULC-S649.				VITH NFPA No. 96														HO	OD — #1
_																					
٨																					
л																					
	1																				

16	" 1120	wн	430 SS ERE EXPOSED	ALONE	ALONE	AL-	P2P	ISLAND	(CANAUA)	- LA F	AIEN
28	" 1600	wн	430 SS ERE EXPOSED	LEFT	ALONE						
76	" 1760	wн	430 SS ERE EXPOSED	RIGHT	ALONE						
72	" 1442	wн	430 SS ERE EXPOSED	ALONE	ALONE						
)5	" 0		304 SS 100%	ALONE	ALONE						
			UTILITY CABINE	T(S)							
		FIR	E SYSTEM		ELECT	RICAL		SWITCH	IES	FIRE	
	TYPE		SIZE		MODE	EL #		QUANT	ΊΤΥ	PIPING	WEIG
										NO	432 LBS
								1 LIG	ΗT		67
"					DCV-	·4111		4 54		NO	LBS
								1 FA	.N		
										NO	59. LBS
										NO	45. LBS

PATENT NUMBERS

Equipment by others.

<u>SECTION VIEW – MODEL 4224VHB–G</u> <u>HOOD – #5 (ITEM 71)</u>

<u>PLAN VIEW – HOOD #1 (ITEM 17)</u> 7' 0.00" LONG 5424ND–2–PSP–F

<u>SECTION VIEW - MODEL 5424ND-2-PSP-F</u> <u>HOOD - #1 (ITEM 17)</u>

<u>SECTION VIEW – MODEL 6024ND-2-PSP-F</u> <u>HOOD – #4 (ITEM 52)</u>

civil SM Engineering

5507 High Meadow Circle Manhattan, Kansas 66503 785.341.9747

architectural

URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C.

4523 Mercier Street Kansas City, Missouri 64111 p 816.304.7416 pminto@urbanprairiekc.com

Missouri Certificate of Authority: # 20-033 10 March, 2021 PROJECT NUMBER:

ISSUE DATE: DATE 04.16.2021 REVISIONS 1 Bid/Permit Set _____

Mechanical Details

	11		12		13	L	
						LRBAN PRAIRIE	COLLABORATIVE, P.C.
Installed Dotions Motorized Back Braft Danper Discharge Tenp. Control DCV Wiring 24V AC Interlock Relay Discharge Tenp. Control DCV Wiring 24V AC Interlock Relay Discharge Tenp. Control DCV Wiring 24V AC Interlock Relay Discharge Tenp. Control Mi-Bit Modulating anplifier (19) SI-Bit Modulating anplifier (19) SI-Bit Modulating anplifier (19) SI-Bit Modulating anplifier (19) SI-Bit Modulating anplifier (10) SI-Bit Modu	Installation Wiring DRAWING NUMBER RP482 120 V 1 PH. Disconnect Switch Gdi-flex conduit WH OF List BK WH OF List Wiring BK See above details. D3 IN HEATER TO LIA IN DOV D7 IN HEATER TO LIA IN DCV D7 IN HEATER TO LIA IN DCV	Power Connection	4827083 - Red D ATE 4/5/2021 MODEL A2-D. PH. 208/460/600 V Gal-flex Conduit Image: Conduit Image: Conduit Factory BKBKBK POWER FROM DEDICATED POWER FROM DEDICATED Store 5 a site on MMA Store 5 a site on MMA Store 5 a site on MMA	500-20D 3 PH. Installed Options writing - Factory Wring BREAKER BREAKER MIEL COLOR BREAKER MIEL COLOR BR	YELLOW	G G G G G G G G G G G G G G	Lee's Summit, MO
Installed Options	Exhaust Fan Wirir DRAWING NUMBER EXH48	1g JOB 27083-4 SHIP D,	4827083 - Red D ATE 4/5/2021 MODEL CASRE	IBDD	22	plumbing Welch and Mitchell 4370 W. 109th St., Ste. 203 Overland Park, KS 66211 913.544.1627 structural	}
Component Identification Label Description Location MT-01 Fan Motor [3] SV-01 Main disconnect switch [3]	1 2 3 <u>cBK</u> <u>1</u>			MT-01 GR MT-01 GR MT-01 Fan Motor SV-01 Main disconnect swit	cation Location (3) tch (3)	Bob D. Campbell 4338 Belleview Kansas City, MO 64111 816.531.4144 C C C C C Civil SM Engineering 5507 High Meadow Circle Manhattan, Kansas 66503 785.341.9747 creative at use	
M <u>DTOR INFO</u> EXHAUST 2HP-208V-3P-8.3FLA	9 10 11 12 13 14 15 16 17			EXHAUST 1.5HP-208V-3P-	-4.4FLA	B B B COLLABORATIVE, P.C. 4523 Mercier Street Kansas City, Missouri 6411 p 816.304.7416 pminto@urbanprairiekc.com Missouri Certificate of Author PROJECT NUMBER: ISSUE DATE: REVISIONS 1 Bid/Permit Set	ECTURAL 1 n prity: # 20-033 10 March, 2021 DATE 04.16.2021
MOTOR CITEL MCC: 104A MOTOR CITEL MCC: 104A MOTOR CITEL MCC: 104A DENDITES FIELD WIRING DENDITES FIELD WIRING <u>WIRE COLLOR</u> BK - BLACK YW - YELLDW BL - BLUE GR - GREEN BR - BROWN GY - GRAY DR - DRANGE PG - GRAY OR - DRANGE PG - FYINK WH - WHITE	18 19 20 21 22 23			MOTOR/CTRL MCC: 55A MOTOR/CTRL MCC: 55A — — DENDTES FIELD VI — DENDTES FIELD VI — DENDTES FIELD VI BK - BLACK YV - C BK - BLACK YV - C BR - BROVN GY - C C BR - BROVN GY - C C C BR - BROVN GY - C C C C C C C C C C C C C C C C C C C	N IRING VIRING VIRING YELLDV JRRE VIRPLE PINK	A Mechanical D Mechanical D M204	etails

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	MECHANICAL SPECIFICATIONS	Comply with MSS SP-69 for trapeze pipe hanger selections and applicatio specified in piping system Sections.
	1. COMMON WORK RESULTS FOR HVAC	3. HVAC INSULATION
J		
	Pipe Threads: ASME B1.20.1 for factory-threaded pipe and pipe fittings.	Comply with requirements in Part 3 schedule articles for where insulating r applied.
	JOINING MATERIALS Brazing Filler Metals: AWS A5.8, BCuP Series or BAg1, unless otherwise indicated.	FiberGlass: Inorganic, incombustible, foamed or cellulated glass with annothermetically sealed cells, with factory applied All Service Jacket (ASJ) pai
	Welding Filler Metals: Comply with AWS D10.12. Solvent Cements for Joining Plastic Piping:	selected by architect.
	CPVC Piping: ASTM F 493. PVC Piping: ASTM D 2564. Include primer according to ASTM F 656.	ASTM C 534, Type I for tubular materials and Type II for sheet materials.
Н	MECHANICAL SLEEVE SEALS Description: Modular sealing element unit, designed for field assembly, to fill annular space between pipe and sleeve.	FIRE-RATED INSULATION SYSTEMS Fire-Rated Blanket: High-temperature, flexible, blanket insulation with FSI and certified to provide a 2-hour fire rating by a NRTL acceptable to author jurisdiction
	Sealing Elements: EPDM interlocking links shaped to fit surface of pipe. Include type and number required for pipe material and size of pipe. Pressure Plates: Plastic. Include two for each sealing element.	INSULATING CEMENTS Mineral-Fiber, Hydraulic-Setting Insulating and Finishing Cement: Comply ASTM C 449/C 449M
	Connecting Bolts and Nuts: Carbon steel with corrosion-resistant coating of length required to secure pressure plates to sealing elements. Include one for each sealing element.	ADHESIVES Materials shall be compatible with insulation materials, jackets, and substrainsulation to itself and to surfaces to be insulated, unless otherwise indicat
	SLEEVES Cast Iron: Cast or fabricated "wall pipe" equivalent to ductile-iron pressure pipe, with plain	Cellular-Glass Adhesive: Solvent-based resin adhesive, with a service ten minus 75 to plus 300 deg F (minus 59 to plus 149 deg C).
	ends and integral waterstop, unless otherwise indicated.	Flexible Elastomeric Adhesive: Comply with MIL-A-24179A, Type II, Class
G	clamping ring and bolts and nuts for membrane flashing.	ASJ Adhesive: Comply with MIL-A-3316C, Class 2, Grade A for bonding i seams and joints. For indoor applications, use adhesive that has a VOC content of 50 g/L or
	PIPING SYSTEMS - COMMON REQUIREMENTS Install piping above accessible ceilings to allow sufficient space for ceiling panel removal. Install piping to permit valve servicing. Install piping at indicated slopes. Install piping free of sags and bends. Install fittings for changes in direction and branch connections.	MASTICS Materials shall be compatible with insulation materials, jackets, and substr
	Install piping to allow application of insulation. Select system components with pressure rating equal to or greater than system to pressure. Install escutcheons for penetrations of security and finance pressure.	Vapor-Barrier Mastic: Water based; suitable for indoor and outdoor use or
	walls, centrigs, and noors. Install sleeves for pipes passing through concrete and masonry walls, gypsum-board partitions, and concrete floor and roof slabs. Fire-Barrier Penetrations: Maintain indicated fire rating of walls, partitions, ceilings, and floors at pipe penetrations. Seal	services. SEALANTS
	pipe penetrations with firestop materials. Verify final equipment locations for roughing-in. Refer to manufacturer's equipment specifications for roughing-in requirements.	Joint Sealants: Materials shall be compatible with insulation materials, jack
F	PIPING JOINT CONSTRUCTION Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.	Insulation system schedules indicate factory-applied jackets on various ap factory-applied jackets are indicated, comply with the following: ASJ: White, kraft-paper, fiberglass-reinforced scrim with aluminum-foil bac ASTM C 1136, Type I.
	Welded Joints: Construct joints according to AWS D10.12, using qualified processes and welding operators according to Part 1 "Quality Assurance" Article.	TAPES ASJ Tape: White vapor-retarder tape matching factory-applied jacket with complying with ASTM C 1136.
	Install shut off valves with unions, in piping, adjacent to each valve and at final connection to each piece of equipment Install shut off valves with unions, in piping, adjacent to each valve and at final connection to each piece of equipment.	EXECUTION PREPARATION
	EQUIPMENT INSTALLATION - COMMON REQUIREMENTS Install equipment to allow maximum possible headroom unless specific mounting heights are	adversely affect insulation application.
E	systems and components in exposed interior spaces, unless otherwise indicated. Install HVAC equipment to facilitate service, maintenance, and repair or replacement of components. Connect equipment for ease of disconnecting, with minimum interference to	Coordinate insulation installation with the trade installing heat tracing. Cor requirements for heat tracing that apply to insulation. Mix insulating cements with clean potable water; if insulating cements are
	right of way for piping installed at required slope.	stainless-steel surfaces, use demineralized water. GENERAL INSTALLATION REQUIREMENTS
	2. HANGERS AND SUPPORTS FOR PIPING AND EQUIPMENT	Install insulation materials, accessories, and finishes with smooth, straight, free of voids throughout the length of equipment, ducts and fittings, and pi fittings, valves, and specialties.
	Terminology: As defined in MSS SP-90, "Guidelines on Terminology for Pipe Hangers and Supports."	Install insulation materials, forms, vapor barriers or retarders, jackets, and for each item of equipment, duct system, and pipe system as specified in i
	PERFORMANCE REQUIREMENTS	Install accessories compatible with insulation materials and suitable for the accessories that do not corrode, soften, or otherwise attack insulation or ja
D	Design supports for multiple pipes capable of supporting combined weight of supported systems, system contents, and test water. Design equipment supports capable of supporting combined operating weight of supported equipment and connected systems and components. PRODUCTS	dry state. Install insulation with longitudinal seams at top and bottom of horizontal rul Install multiple layers of insulation with longitudinal and end seams stagger Do not weld brackets, clips, or other attachment devices to piping, fittings, Keep insulation materials dry during application and finishing. Install insulation with tight longitudinal seams and end joints. Bond seams
	STEEL PIPE HANGERS AND SUPPORTS Description: MSS SP-58, Types 1 through 58, factory-fabricated components. Refer to Part 3	adhesive recommended by insulation material manufacturer. Install insulation with least number of joints practical.
	"Hanger and Support Applications" Article for where to use specific hanger and support types. TRAPEZE PIPE HANGERS Description: MSS SP-69. Type 59. shop- or field-fabricated pipe-support assembly made from	Where vapor barrier is indicated, seal joints, seams, and penetrations in in supports, anchors, and other projections with vapor-barrier mastic. Install insulation continuously through hangers and around anchor attachm
	structural-steel shapes with MSS SP-58 hanger rods, nuts, saddles, and U-bolts. METAL FRAMING SYSTEMS Description: MFMA-3, shop- or field-fabricated pipe-support assembly made of steel channels	For insulation application where vapor barriers are indicated, extend insula from point of attachment to supported item to point of attachment to structu ends at attachment to structure with vapor-barrier mastic.
С	and other components. EXECUTION HANGER AND SUPPORT APPLICATIONS	Install insert materials and install insulation to tightly join the insert. Seal ir insulation inserts with adhesive or sealing compound recommended by ins manufacturer.
	Specific hanger and support requirements are specified in Sections specifying piping systems and equipment. Comply with MSS SP-69 for pipe hanger selections and applications that are not specified in piping system Sections. Use hangers and supports with galvanized, metallic	Cover inserts with jacket material matching adjacent pipe insulation. Insta arranged to protect jacket from tear or puncture by hanger, support, and sl
	coatings for piping and equipment that will not have field-applied finish. Use nonmetallic coatings on attachments for electrolytic protection where attachments are in direct contact with copper tubing.	Apply adhesives, mastics, and sealants at manufacturer's recommended or wet and dry film thicknesses. Apply mastic on seams and joints and at en- and pipe flanges and fittings.
	Horizontal-Piping Hangers and Supports: Unless otherwise indicated and except as specified in piping system Sections, install the following types: Adjustable, Steel Clevis Hangers (MSS Type 1): For suspension of noninsulated or insulated stationary pipes, NPS 1/2 to NPS 30 (DN 15 to DN 750), Adjustable, Steel Band Hangers (MSS Type 7); For suspension of	Cut insulation in a manner to avoid compressing insulation more than 75 p thickness. Finish installation with systems at operating conditions. Repair joint separ- due to thermal movement.
В	noninsulated stationary pipes, NPS 1/2 to NPS 8 (DN 15 to DN 200). Complete Pipe Rolls (MSS Type 44): For support of pipes, NPS 2 to NPS 42 (DN 50 to DN 1050), if longitudinal movement caused by expansion and contraction might occur but vertical adjustment is not necessary.	Repair damaged insulation facings by applying same facing material over e Extend patches at least 4 inches (100 mm) beyond damaged areas. Adhe patches similar to butt joints.
	Vertical-Piping Clamps: Unless otherwise indicated and except as specified in piping system Sections, install the following types:	PENETRATIONS Insulation Installation at Interior Wall and Partition Penetrations (That Are I Install insulation continuously through walls and partitions.
	Hanger-Rod Attachments: Unless otherwise indicated and except as specified in piping system Sections, install the following types:	Insulation Installation at Fire-Rated Wall and Partition Penetrations: Install continuously through penetrations of fire-rated walls and partitions. Termin
	Steel Clevises (MSS Type 14): For 120 to 450 deg F (49 to 232 deg C) piping installations.	damper sleeves for fire-rated wall and partition penetrations. Externally insistence to match adjacent insulation and overlap duct insulation at least 2 Insulation Installation at Floor Penetrations.
	Sections, install the following types:	Duct: Install insulation continuously through floor penetrations that are not penetrations through fire-rated assemblies, terminate insulation at fire dam
A	Saddles and Shields: Unless otherwise indicated and except as specified in piping system Sections, install the following types: Steel Pipe-Covering Protection Saddles (MSS Type 39): To fill interior voids with insulation that matches adjoining insulation. Protection Shields (MSS Type 40): Of length recommended in writing by manufacturer to	externally insulate damper sleeve beyond floor to match adjacent duct insu damper sleeve and duct insulation at least 2 inches (50 mm). Pipe: Install insulation continuously through floor penetrations.
	prevent crushing insulation. Thermal-Hanger Shield Inserts: For supporting insulated pipe.	Seal penetrations through fire-rated assemblies.
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ipe hanger selections and applications that are not	DUCT INSULATION SCHEDULE, GENERAL Plenums and Ducts Requiring Insulation:	EXECUTION	PACKAGED UNITS Factory-assembled, prewired, self-contained unit consisting of cabinet, supply fan, controls,	E
	Indoor, concealed supply and outdoor air. Indoor, exposed outdoor air. Indoor, concealed return located in nonconditioned space. Indoor, concealed, Type I, commercial, kitchen hood exhaust.	PIPING APPLICATIONS Aboveground, Interior, soil, waste, and vent piping shall be PVC Pipe with socket fittings and solvent welded joints. Underground, soil, waste, and vent shall be PVC Pipe with socket fittings and solvent welded joints.	OUTDOOR-AIR INTAKE Outdoor-Air Hood: Galvanized steel with rain baffles, bird screen complying with ASHRAE	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z
hedule articles for where insulating materials shall be	INDOOR DUCT AND PLENUM INSULATION SCHEDULE Supply-Air, Return-Air and Make Up Air Duct Insulation: Fiberglass blanket, 1-1/2 inches (38 mm) thick and 1.5-lb/cu. ft. (24-kg/cu. M) nominal density.	PIPING INSTALLATION Install cleanouts at grade and extend to where building sanitary drains connect to building sanitary sewers. Install wall penetration system at each service pipe penetration through	62.1-2004, and finish to match cabinet; and sized to supply maximum 100 percent outdoor air. AIR FILTERS Comply with NFPA 90A.	
foamed or cellulated glass with annealed, rigid, applied All Service Jacket (ASJ) painted in color	Kitchen Hood Exhaust Duct Insulation: 2 hour fire-rated blanket.	foundation wall. Make installation watertight. Install cast-iron soil piping according to CISPI's "Cast Iron Soil Pipe and Fittings Handbook," Chapter IV, "Installation of Cast Iron Soil Pipe and Fittings." Make changes in direction for soil and waste drainage and vent piping using	DIRECT-FIRED GAS FURNACE Description: Factory assembled, piped, and wired; and complying with ANSI Z83.4, "Direct	
nge- or expanded-rubber materials. Comply with	PIPING INSULATION SCHEDULE, GENERAL Acceptable preformed pipe and tubular insulation materials and thicknesses are identified for each piping system and pipe size range. If more than one material is listed for a piping system, selection from materials listed is Contractor's option	appropriate branches, bends, and long-sweep bends. Sanitary tees and short-sweep 1/4 bends may be used on vertical stacks if change in direction of flow is from horizontal to vertical. Use long-turn, double Y-branch and 1/8-bend fittings if 2 fixtures are installed back to back or side by side with common drain pipe. Straight tees, elbows, and crosses may be used on vent	NFPA 54, "National Fuel Gas Code."	CHI LAB
I for sheet materials.	INDOOR PIPING INSULATION SCHEDULE	lines. Do not change direction of flow more than 90 degrees. Use proper size of standard increasers and reducers if pipes of different sizes are connected. Reducing size of drainage piping in direction of flow is prohibited. Law buried building drainage piping beginning at low	Factory-wired, fuse-protected control transformer, connection for power supply and field-wired unit to remote control panel.	COL B PR
s , flexible, blanket insulation with FSK jacket that is tested ting by a NRTL acceptable to authority having	Refrigerant Suction and Hot-Gas Piping: Flexible elastomeric.	point of each system. Install true to grades and alignment indicated, with unbroken continuity of invert. Place hub ends of piping upstream. Install required gaskets according to manufacturer's written instructions for use of lubricants, cements, and other installation	EXECUTION	н
ting and Finishing Cement: Comply with	4. DOMESTIC WATER PIPING PRODUCTS	requirements. Maintain swab in piping and pull past each joint as completed. Install soil and waste drainage and vent piping at the code required minimum slopes, Sleeves are not required for cast-iron soil piping passing through concrete slabs-on-grade if	Install gas-fired units according to NFPA 54, "National Fuel Gas Code." Install roof curb on roof structure, according to ARI Guidelines. Install controls and equipment shipped by manufacturer for field installation with direct-fired	
	PIPING MATERIALS Comply with requirements in "Piping Schedule" Article for applications of pipe, tube, fitting	slab is without membrane waterproofing. Install PVC soil and waste drainage and vent piping according to ASTM D 2665. Do not enclose, cover, or put piping into operation until it is inspected and approved by authorities having jurisdiction.	9. METAL DUCTS	
llation materials, jackets, and substrates and for bonding e insulated, unless otherwise indicated.	materials, and joining methods for specific services, service locations, and pipe sizes. COPPER TUBE AND FITTINGS	JOINT CONSTRUCTION Cast-Iron, Soil-Piping Joints: Make joints according to CISPI's "Cast Iron Soil Pipe and Fittings	RECTANGULAR DUCTS AND FITTINGS General Fabrication Requirements: Comply with SMACNA's "HVAC Duct Construction	
ed resin adhesive, with a service temperature range of to plus 149 deg C).	Hard Copper Tube: ASTM B 88, Type L (ASTM B 88M, Type B) Soft Copper Tube: ASTM B 88, Type K (ASTM B 88M, Type A)	PVC Nonpressure Piping Joints: Join piping according to ASTM D 2665.	Standards - Metal and Flexible" based on indicated static-pressure class unless otherwise indicated. Transverse Joints: Select joint types and fabricate according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible " Figure 1.4. "Transverse (Citth) Joints " for	S and B
ly with MIL-A-24179A, Type II, Class I. 16C, Class 2, Grade A for bonding insulation jacket lap	PIPING JOINING MATERIALS Solder Filler Metals: ASTM B 32, lead-free alloys. Include water-flushable flux according to ASTM B 813.	6. FACILITY NATURAL-GAS PIPING PRODUCTS	static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Elexible "	یں اس ^ا Df P nit, P
that has a VOC content of 50 g/L or less when calculated PA Method 24).	FLEXIBLE CONNECTORS Stainless-Steel-Hose Flexible Connectors: Corrugated-stainless-steel tubing with stainless-steel wire-braid covering and ends welded to inner tubing.	PIPES, TUBES, AND FITTINGS Steel Pipe: ASTM A 53/A 53M, black steel, Schedule 40, Type E or S, Grade B.	Longitudinal Seams: Select seam types and fabricate according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Figure 1-5, "Longitudinal Seams - Rectangular Ducts," for static-pressure class, applicable sealing requirements, materials involved,	Doc Joc Jumn
llation materials, jackets, and substrates; comply with	SLEEVES Cast-Iron Wall Pipes: Fabricated of cast iron, and equivalent to ductile-iron pressure pipe, with	JOINING MATERIALS Joint Compound and Tape: Suitable for natural gas. Welding Filler Metals: Comply with AWS D10.12/D10.12M for welding materials appropriate	duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible." Elbows, Transitions, Offsets, Branch Connections, and Other Duct Construction: Select types and fabricate according to SMACNA's "HVAC Duct Construction Standards – Metal and	Lee Cree
uitable for indoor and outdoor use on below ambient	EXECUTION	for wall thickness and chemical analysis of steel pipe being welded. MANUAL GAS SHUTOFF VALVES Bronzo Blug Valvas: MSS SB 78	Flexible," Chapter 2, "Fittings and Other Construction," for static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."	1 St Lee
patible with insulation materials, jackets, and substrates.	PIPING INSTALLATION Install copper tubing under building slab according to CDA's "Copper Tube Handbook."	MOTORIZED GAS VALVES	ROUND DUCTS AND FITTINGS General Fabrication Requirements: Comply with SMACNA's "HVAC Duct Construction	stru
actory-applied jackets on various applications. When	Install piping concealed from view and protected from physical contact by building occupants unless otherwise indicated and except in equipment rooms and service areas.	Electrically Operated Valves: Comply with UL 429.	Standards - Metal and Flexible," Chapter 3, "Round, Oval, and Flexible Duct," based on indicated static-pressure class unless otherwise indicated. Transverse Joints: Select joint types and fabricate according to SMACNA's "HVAC Duct Construction Standards - Metal and	
inforced scrim with aluminum-foil backing; complying with	angles or Install piping above accessible ceilings to allow sufficient space for ceiling panel removal, and coordinate with other services occupying that space. Install piping adjacent to equipment and specialties to allow service and maintenance.	OUTDOOR PIPING INSTALLATION Comply with NFPA 54 for installation and purging of natural-gas piping.	Flexible," Figure 3-2, "Transverse Joints - Round Duct," for static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible." Longitudinal Seams:	
matching factory-applied jacket with acrylic adhesive,	Install piping to permit valve servicing. Install piping free of sags and bends. Install fittings for changes in direction and branch connections. Install shut off valves with unions in copper tubing at final connection to each piece of equipment, machine, and specialty. Install thermostats in hot-water circulation piping. Install thermometers on outlet piping from water heater. Comply with requirements in	INDOOR PIPING INSTALLATION Comply with NFPA 54 for installation and purging of natural-gas piping. Arrange for pipe spaces, chases, slots, sleeves, and openings in building structure during progress of construction, to allow for mechanical installations. Install piping in concealed locations unless otherwise indicated and except in equipment rooms and service areas. Install	Select seam types and fabricate according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible," Figure 3-1, "Seams - Round Duct and Fittings," for static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Flexible." Tees and Laterals: Select types and fabricate according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible." Tees and Laterals:	
urfaces to receive insulation. Remove materials that will	JOINT CONSTRUCTION Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.	piping indicated to be exposed and piping in equipment rooms and service areas at right angles or parallel to building walls. Diagonal runs are prohibited unless specifically indicated otherwise. Install piping above accessible ceilings to allow sufficient space for ceiling panel	static-pressure class, applicable sealing requirements, materials involved, duct-support intervals, and other provisions in SMACNA's "HVAC Duct Construction Standards - Metal and Elexible "	OF MIRSHO
the trade installing heat tracing. Comply with	Remove scale, slag, dirt, and debris from inside and outside of pipes, tubes, and fittings before assembly.	removal. Locate valves for easy access. Install natural-gas piping at uniform grade of 2 percent down toward drip and sediment traps. Install piping free of sags and bends. Install fittings for changes in direction and branch connections. Fire-Barrier Penetrations: Maintain indicated fire	SHEET METAL MATERIALS General Material Requirements: Comply with SMACNA's "HVAC Duct Construction Standards	
able water; if insulating cements are to be in contact with lized water.	Soldered Joints: Apply ASTM B 813, water-flushable flux to end of tube. Join copper tube and fittings according to ASTM B 828 or CDA's "Copper Tube Handbook."	rating of walls, partitions, ceilings, and floors at pipe penetrations. Seal pipe penetrations with firestop materials. Verify final equipment locations for roughing-in. Drips and Sediment Traps: Install drips at points where condensate may collect, including service-meter outlets. Locate where accessible to permit cleaning and emptying. Do not install where condensate is subject	Metal and Flexible" for acceptable materials, material thicknesses, and duct construction methods unless otherwise indicated. Sheet metal materials shall be free of pitting, seam marks, roller marks, stains, discolorations, and other imperfections.	PE-2006029713
MENTS s, and finishes with smooth, straight, and even surfaces; equipment, ducts and fittings, and piping including	VALVE INSTALLATION Install shutoff (ball) valve close to water main on each branch and riser serving plumbing fixtures or equipment, on each water supply to equipment, and on each water supply to plumbing fixtures that do not have supply stops.	to freezing. Extend relief vent connections for service regulators, line regulators, and verpressure protection devices to outdoors and terminate with weatherproof vent cap. Conceal pipe installations in walls, pipe spaces, utility spaces, above ceilings, below grade or floors, and in floor channels unless indicated to be exposed to view.	EXECUTION DUCT INSTALLATION	4-16-21
or barriers or retarders, jackets, and thicknesses required m, and pipe system as specified in insulation system	Install drain valves for equipment at base of each water riser, at low points in horizontal piping, and where required to drain water piping.	CONNECTIONS Connect to utility's gas main according to utility's procedures and requirements. Install	Drawing plans, schematics, and diagrams indicate general location and arrangement of duct system. Indicated duct locations, configurations, and arrangements were used to size ducts and calculate friction loss for air-handling equipment sizing and for other design considerations.	<u>food service</u> TriMark Hockenbergs
ulation materials and suitable for the service. Install n, or otherwise attack insulation or jacket in either wet or	TRANSITION FITTING INSTALLATION Install transition couplings at joints of dissimilar piping.	natural-gas piping electrically continuous, and bonded to gas appliance equipment grounding conductor of the circuit powering the appliance according to NFPA 70. Install piping adjacent to appliances to allow service and maintenance of appliances. Connect piping to appliances using	Install duct systems as indicated unless deviations to layout are approved on Shop Drawings and Coordination Drawings. Install ducts according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible" unless otherwise indicated. Install round ducts in maximum	10550 Barkley, Ste. 201 Overland Park, Kansas 66212
ns at top and bottom of horizontal runs. longitudinal and end seams staggered.	FLEXIBLE CONNECTOR INSTALLATION Install flexible connectors in suction and discharge piping connections to each domestic water	manual gas shutoff valves and unions. Install valve within 72 inches (1800 mm) of each gas-fired appliance and equipment. Install union between valve and appliances or equipment. Sediment Traps: Install tee fitting with capped nipple in bottom to form drip, as close as	practical lengths. Install ducts with fewest possible joints. Install factory- or shop-fabricated fittings for changes in direction, size, and shape and for branch connections. Unless otherwise indicated, install ducts vertically and horizontally, and parallel and perpendicular to building	D mechanical, electrical, and plumbing
ttachment devices to piping, fittings, and specialties. pplication and finishing. seams and end joints. Bond seams and joints with material manufacturer.	pump. Install bronze-hose flexible connectors in copper domestic water tubing. Install stainless-steel-hose flexible connectors in steel domestic water piping.	practical to inlet of each appliance. OUTDOOR PIPING SCHEDULE	permanent enclosure elements of building. Install ducts with a clearance of 1 inch (25 mm), plus allowance for insulation thickness. Route ducts to avoid passing through transformer vaults and electrical equipment rooms and enclosures. Where ducts pass through pon-fire-rated interior	Welch and Mitchell 4370 W. 109th St., Ste. 203
ioints seams, and penetrations in insulation at hangers.	CONNECTIONS Drawings indicate general arrangement of piping, fittings, and specialties. Install piping adjacent to equipment and machines to allow service and maintenance.	Aboveground natural-gas piping shall be Steel pipe with wrought-steel fittings and welded joints.	partitions and exterior walls and are exposed to view, cover the opening between the partition and duct or duct insulation with sheet metal flanges of same metal thickness as the duct. Overlap openings on four sides by at least 1-1/2 inches (38 mm).	Overland Park, KS 66211 913.544.1627
hangers and around anchor attachments.	Connect domestic water piping to exterior water-service piping. Use transition fitting to join dissimilar piping materials.	Aboveground, piping shall be Steel pipe with wrought-steel fittings and welded joints.	Where ducts pass through fire-rated interior partitions and exterior walls, install fire dampers.	structural Bob D. Campbell
barriers are indicated, extend insulation on anchor legs item to point of attachment to structure. Taper and seal apor-barrier mastic.	ESCUTCHEON INSTALLATION Install escutcheons for penetrations of walls, ceilings, and floors.	7. FUEL-FIRED WATER HEATERS SUBMITTALS	Protect ducts exposed in finished spaces from being dented, scratched, or damaged. Trim duct sealants flush with metal. Create a smooth and uniform exposed bead. Do not use two-part tape sealing system.	4338 Belleview Kansas City, MO 64111
ation to tightly join the insert. Seal insulation to ling compound recommended by insulation material	PIPING SCHEDULE Transition and special fittings with pressure ratings at least equal to piping rating may be used in applications below unless otherwise indicated. Under-building-slab, domestic water, building service piping shall be Soft copper tube:	Product Data: For each type and size of water heater indicated. Include rated capacities, operating characteristics, furnished specialties, and accessories. Shop Drawings: Diagram power, signal, and control wiring. Operation and maintenance data.	Grind welds to provide smooth surface free of burrs, sharp edges, and weld splatter. When welding stainless steel with a No. 3 or 4 finish, grind the welds flush, polish the exposed welds, and treat the welds to remove discoloration caused by welding. Maintain consistency, symmetry, and uniformity in the arrangement and fabrication of fittings,	816.531.4144 C <u>civil</u>
ching adjacent pipe insulation. Install shields over jacket, puncture by hanger, support, and shield.	Aboveground domestic water piping, shall be Hard copper tube, ASTM B 88, Type L. Aboveground 140 deg F domestic water piping, shall be Hard copper tube, ASTM B 88,	MANUFACTURERS Commercial, Power-Burner, Storage, Gas Water Heaters: Comply with NSI Z21.10.3/CSA 4.3.	hangers and supports, duct accessories, and air outlets. Repair or replace damaged sections and finished work that does not comply with these requirements.	5507 High Meadow Circle
ts at manufacturer's recommended coverage rate and astic on seams and joints and at ends adjacent to duct	Type L. VALVE SCHEDULE Drawings indicate valve types to be used. Where specific valve types are not indicated, the	Gas Shutoff Valves: ANSI Z21.15/CGA 9.1, manually operated. Furnish for installation in piping. Gas Pressure Regulators: ANSI Z21.18, appliance type. Include pressure rating, capacity, and pressure differential required between gas supply and water heater.	ADDITIONAL INSTALLATION REQUIREMENTS FOR COMMERCIAL KITCHEN HOOD EXHAUST DUCT Install commercial kitchen hood exhaust ducts without dips and traps that may hold grease, and	Manhattan, Kansas 66503 785.341.9747 architectural
mpressing insulation more than 75 percent of its nominal	following requirements apply: Shutoff Duty: Use ball valves for piping NPS 2 (DN 50) and smaller. Use butterfly, ball, or gate valves with flanged ends for piping NPS 2-1/2 (DN 65) and larger.	Piping-Type Heat Traps: Field-fabricated piping arrangement according to ASHRAE/IESNA 90.1-2004.	sloped a minimum of 2 percent to drain grease back to the hood. Install fire-rated access panel assemblies at each change in direction and at maximum intervals of 12 feet (3.7 m) in horizontal ducts, and at every floor for vertical ducts, or as indicated on	URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C.
rating conditions. Repair joint separations and cracking	Throttling Duty: Use ball valves for piping NPS 2 (DN 50) and smaller. Use butterfly or ball valves with flanged ends for piping NPS 2-1/2 (DN 65) and larger. Hot-Water Circulation Piping, Balancing Duty: Memory-stop balancing valves.	EXECUTION WATER HEATER INSTALLATION Install commercial water heaters on concrete bases. Install water heaters level and plumb,	Drawings. Locate access panel on top or sides of duct a minimum of 1-1/2 inches (38 mm) from bottom of duct. Do not penetrate fire-rated assemblies except as allowed by applicable building codes and	4523 Mercier Street Kansas City, Missouri 64111 p 816 304 7416
applying same facing material over damaged areas. mm) beyond damaged areas. Adhere, staple, and seal	Drain Duty: Hose-end drain valves. Use check valves to maintain correct direction of domestic water flow to and from equipment. Iron grooved-end valves may be used with grooved-end piping.	manufacturer's recommended clearances. Arrange units so controls and devices needing service are accessible. Install gas water heaters according to NFPA 54. Install combination temperature and pressure relief valves in top portion of storage tanks. Use relief valves with	authorities having jurisdiction. DUCT SEALING Seal ducts for duct static-pressure, seal classes, and leakage classes specified in "Duct	B pointo@urbanprairiekc.com Missouri Certificate of Authority: #
nd Partition Penetrations (That Are Not Fire Rated): walls and partitions.	CPVC and PVC valves matching piping materials may be used. 5. INTERIOR SANITARY WASTE AND VENT PIPING	sensing elements that extend into tanks. Extend commercial, water-heater, relief-valve outlet, with drain piping same as domestic water piping in continuous downward pitch, and discharge by positive air gap onto closest floor drain. Install water heater drain piping as indirect waste to spill by positive air gap into open drains or over floor drains. Install because and drain valves at	Schedule" Article according to SMACNA's "HVAC Duct Construction Standards - Metal and Flexible."	PROJECT NUMBER: 20-033 ISSUE DATE: 10 March, 2027 REVISIONS DATE
all and Partition Penetrations: Install insulation ire-rated walls and partitions. Terminate insulation at fire	PRODUCTS	low points in water piping for water heaters that do not have tank drains. Install thermometer on outlet piping of water heaters. Install piping-type heat traps on inlet and outlet piping of water heater storage tanks without integral or fitting-type heat traps Fill water heaters with	10. CENTRIFUGAL FANS PRODUCTS	1 Bid/Permit Set 04.16.2021
parution perterrations. Externally insulate damper nd overlap duct insulation at least 2 inches (50 mm). tions:	PIPING MATERIALS Hubless Cast-Iron Pipe and Fittings: ASTM A 888 or CISPI 301. PVC Pipe: ASTM D 2665, solid-wall drain, waste, and vent.	water.	FORWARD-CURVED CENTRIFUGAL FANS Description: Factory-fabricated, -assembled, -tested, and -finished, belt-driven centrifugal fans	
rougn ποor penetrations that are not fire rated. For blies, terminate insulation at fire damper sleeves and ond floor to match adjacent duct insulation. Overlap east 2 inches (50 mm).		Install piping adjacent to water heaters to allow service and maintenance. Arrange piping for easy removal of water heaters.	consisting of housing, wheel, fan shaft, bearings, motor and disconnect switch, drive assembly, and support structure.	Mechanical Specifications
rough floor penetrations.		8. DIRECT-FIRED H&V UNITS SUBMITTALS	INSTALLATION	
		Product Data: Include rated capacities, furnished specialties, and accessories.	Install units with clearances for service and maintenance.	IVI301

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PLUMBING FIX	KTURE CONN. SC	HEDUL	E		
FIXTURE	MARK	CW	HW	WASTE	VENT
LAVATORY	L-1	1/2"	1/2"	2"	1-1/2"
URINAL	U-1	3/4"		3"	2"
FLUSH VALVE WATER CLOSET	WC-1	1-1/2"		4"	2"
JANITOR SINK	JS-1	3/4"	3/4"	3"	2"
SINK	S-1	1/2"	1/2"	2"	2"
FLOOR SINK	FS-1			3"	2"
3" FLOOR SINK	3" FS-1			3"	
3" FLOOR DRAIN	3" FD-1			3"	
FLOOR DRAIN	FD-1			2"	1-1/2"
TRENCH DRAIN	TD-1			3"	

9

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11

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13 GENERAL NOTES: 1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW GENERAL NOTES, SPECIFICATIONS AND OTHER DISCIPLINE'S DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT, OWNER AND ENGINEER OF ANY DISCREPANCIES PRIOR TO SUBMISSION OF BID.

12

- 2. EXISTING CONDITIONS WERE TAKEN FROM AS BUILT DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. COORDINATE DEMOLITION WORK AND NEW WORK WITH EXISTING CONDITIONS AND OTHER TRADES PRIOR TO CONSTRUCTION.
- 3. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE PLUMBING SYSTEMS. VERIFY CHASE AND PENETRATION LOCATIONS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR PIPING MEET REQUIREMENTS.
- 4. INSTALL PIPING PARALLEL TO BUILDING LINES, UNLESS NOTED OTHERWISE.
- 5. COORDINATE LOCATION OF EQUIPMENT AND SUPPORTS WITH LOCATION OF ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT. IF NO ACCESS PANEL IS SHOWN, PROVIDE ACCESS PANEL IN SIZE REQUIRED FOR MAINTENANCE OF EQUIPMENT. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- 6. SEAL PENETRATIONS THROUGH BUILDING COMPONENTS IN ACCORDANCE WITH LOCAL CODES. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS.
- 7. MODIFY EXISTING SPRINKLER SYSTEM TO ACCOMMODATE NEW WORK. DESIGN AND INSTALL PER NFPA13, LATEST EDITION.
- 8. COORDINATE EXACT ROUGH-IN REQUIREMENTS AND LOCATIONS FOR KITCHEN EQUIPMENT WITH KITCHEN EQUIPMENT PLANS PREPARED BY OTHERS.

PLAN NOTES:

- (1) 3/4" CW FROM FLOOR BELOW.
- (2) 1-1/2"G FROM FLOOR BELOW AND UP TO ROOF.

TriMark Hockenbergs

10550 Barkley, Ste. 201 Overland Park, Kansas 66212 p. 913.945.2490 mechanical, electrical, and plumbing Welch and Mitchell

4370 W. 109th St., Ste. 203 Overland Park, KS 66211

913.544.1627 structural

Bob D. Campbell

4338 Belleview Kansas City, MO 64111 816.531.4144

civil SM Engineering

5507 High Meadow Circle Manhattan, Kansas 66503 785.341.9747

architectural

URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C.

4523 Mercier Street Kansas City, Missouri 64111 p 816.304.7416

pminto@urbanprairiekc.com Missouri Certificate of Authority: #

PROJECT NUMBER: 20-033 10 March, 2021 ISSUE DATE:

DATE 04.16.2021 REVISIONS 1 Bid/Permit Set _____ _____ _____

_____ _____ _____ _____ Plumbing Mezzanine Plan

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1	2	3	4	5	6	7	8	9	1

		•	PLUMBING				4		INSTANTAN	IEOUS GAS	W
PLAN MARK	MANUFACTURER AND MODEL	FIXTURE DESCRIPTION	ACCESSORIES MANUFACTURER AND MODEL	ACCESSORIES DESCRIPTION	SIZE	NOTES	UNIT	MFG	MODEL	UNIT	NF
FD-1	JAY R SMITH 2010	CAST IRON SHALLOW SUMP FLOOR DRAIN WITH 5" ROUND TOP WITH NICKEL BRONZE STRAINER.	-	-	-		CALLOUT	NAVIEN	NO.	(GPM)	(
FS-1	WATTS FS-740-9-1	DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER AND NO HUB OUTLET.	-		-	TOP OF FLOOR SINK TO BE 1/2" ABOVE FINISHED FLOOR.	GWH-2 GWH-3	NAVIEN NAVIEN NOTES:	NPE-240A NPE-240A	5	
HS-1	ELKAY CHS1716C	WALL-MOUNTED, STAINLESS STEEL, ADA COMPLIANT HANDSINK. TYPE 304 (18-8) STAINLESS STEEL, 11" HIGH BACKSPLASH.	ELKAY LK9406N 0422H	CHROME-PLATED GOOSENECK SPOUT FAUCET.	-	PROVIDE CHROME PLATED BRASS TAILPIECE AND GRID DRAIN, CHROME PLATED BRASS P-TRAP, AND LOOSE KEYS ANGLED STOP VALVES AND FLEXIBLE RISERS. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS WITH ADA COMPLIANT INSULATION. PROVIDE MIXING VALVE, THAT COMPLIES WITH ASSE 1070, SET AT 95°F.		1. SUPPLY W 15 GPM O	/ITH FACTORY F WATER FLOV	CONTROL PAI / AT 75 DEGRI	IEL. IE F
JS-1	ZURN Z1996	FLOOR MOUNTED, MOLDED HIGH DENSITY COMPOSITE BASIN, PVC DRAIN BODY.	ZURN Z843M1-RC	WALL MOUNTED SERVICE FAUCET WITH PAIL HOOK AND VACUUM BREAKER. SUPPLY SINK WITH 30" HOSE, MOP HANGER AND LINT BASKET	24" X 24"					SCHEDULE	
				STRAINER.			UNIT	MFG	MODEL	CAP	1
L-1		CUSTOM QUARTZ TROUGH SINK. RE: ARCHITECTURE PLANS	(2) FAUCET TO BE PROVIDED BY OWNER		-	PROVIDE CHROME PLATED BRASS TAILPIECE, CHROME PLATED BRASS P-TRAP, ANGLED STOP VALVES AND FLEXIBLE RISERS. INSULATE EXPOSED TAILPIECE, P-TRAP, AND WATER RISERS WITH ADA COMPLIANT INSULATION. PROVIDE MIXING VALVE, THAT COMPLIES WITH ASSE 1070, SET AT 95°F	CALLOUT RH-1 NOTES:		NO. IO-152	(BTUH) 50.0	
NFWH-1	WOODFORD B65	NON FREEZE WALL HYDRANT WITH LOCKABLE WALL BOX AND LOOSE KEY.	-		-		CONNEC	CTOR.	ANEL, MOONT	ING KIT AND F	^
ORD-1	ZURN Z-100	15" DIAMETER ROOF DRAIN. DURA-COATED CAST IRON ROOF DRAIN WITH COMBINATION MEMBRANE FLASHING CLAMB/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME. FURNISH WITH 2" INTERNAL WATER DAM.			15"						
RD-1	ZURN Z-100	15" DIAMETER ROOF DRAIN. DURA-COATED CAST IRON ROOF DRAIN WITH COMBINATION MEMBRANE FLASHING CLAMB/GRAVEL GUARD AND LOW SILHOUETTE POLY-DOME. FURNISH WITH 2" INTERNAL WATER DAM.			15"						
S-1	BY KITCHEN EQUIPMENT PROVIDER						1				
TD-1	BY KITCHEN EQUIPMENT PROVIDER		-		-		1				
U-1	AMERICAN STANDARD DECORUM 6042.001EC	WALL HUNG, VITREOUS CHINA URINAL WITH WASH OUT FLUSHING ACTION AND TOP SPUD. MOUNT AT ADA HEIGHT. SELECTRONIC SENSOR OPERATED, BATTERY POWERED, CHROME PLATED, EXPOSED WATER CLOSET FLUSH VALVE WITH 3/4" TOP SPUD_ BATED FOR 125 GPE	1.) JAY R SMITH	1.) PROVIDE CARRIER AS REQUIRED TO SUIT APPLICATION.	-						
							1				

GENERAL

	MECHANICAL NOTE REFERENCE
2	DEMOLITION NOTE REFERENCE
3	REVISION NOTE REFERENCE
	CONNECT TO EXISTING WORK
P	LUMBING
	SOIL OR WASTE ABOVE GRADE OR FLOOR
— —SAN — —	SOIL OR WASTE BELOW GRADE OR FLOOR
v	PLUMBING VENT
ST	STORM ABOVE GRADE OR FLOOR
 ST 	STORM BELOW GRADE OR FLOOR
ST/O	STORM OVERFLOW ABOVE GRADE OR FLOOR
— — ST/O — —	STORM OVERFLOW BELOW GRADE OR FLOOR
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	RECIRCULATING DOMESTIC HOT WATER
FCO	FLOOR CLEAN OUT
────∲ WCO	WALL CLEAN OUT
——— СО	CLEAN OUT
—— G ——	GAS (NATURAL)
+ HB	HOSE BIBB
	WALL HYDRANT
	FLOOR SINK, FLOOR DRAIN, AREA DRAIN
(O) RD	ROOF DRAIN
(O) ORD	OVERFLOW ROOF DRAIN
	REDUCED PRESSURE BACKFLOW PREVENTER
#	PLUMBING VENT RISER CALL-OUT
с+—	ELBOW DOWN
+0	ELBOW UP
+0+	TEE UP
	TEE DOWN
<u>ı</u> ı	UNION
	САР
XX	BALL (SHUTOFF) VALVE
	· · · ·

MECHANICAL SYMBOLS (2) NO SCALE

6	7	8	9	10

	LIGHTING CONTF		
ZONE NO.	LOAD DESCRIPTION	PHOTOCELL	
1	RECEPTION/VESTIBULE	NO	0-10V
2	BAR STEP LIGHTS	NO	N/A
3	BAR TRACK	NO	120V PHASE
4	BAR LIGHT	NO	NOTE 1
5	BAR ACCENT LIGHT	NO	0-10V
6	BAR TRACK	NO	NOTE 1
7	DINING PENDANTS	NO	NOTE 1
8	DINING TRACK	NO	NOTE 1
9	DINING TRACK	NO	120V PHASE
10	DINING TRACK	NO	120V PHASE
11	DINING TRACK	NO	120V PHASE
12	DINING SCONCES	NO	ELV
13	RESTROOM ENTRY	NO	0-10V
14	RESTROOM SINK LTS	NO	0-10V
15	RESTOOM ENTRY	NO	ELV
16	MEZZ PENDANTS	NO	ELV
17	MEZZ TRACK	NO	120V PHASE
18	MEZZ TRACK	NO	120V PHASE
19	EXTERIOR LIGHTS	YES	N/A
20	PATIO LTG	YES	0-10V
21	PATIO LTG	YES	ELV
22	SPARE		
23	SPARE		
24	SPARE		

GENERAL NOTE: LIGHTING CONTROL PANEL TO BE LEGRAND #LCAP32MCB OR SIMILAR. FURNISH WITH PROGRAMMING SOFTWARE TO ALLOW FOR OWNER PROGRAMMING OF SCENES FROM THE OWNER'S COMPUTER. PROVIDE OWNER TRAINING FOR SOFTWARE. REFER TO THE PANEL LP SCHEDULE FOR CONTROL PANEL BRANCH CIRCUIT BREAKER REQUIREMENTS.

<u>NOTES:</u>
1. COORDINATE DIMMING TYPE AND CAPACITY WITH FINAL FIXTURE SELECTION

	OCCUP	ANCY SEN	SOR SCHEDULE		
NUFACTURER	MODEL	MOUNTING	TYPE	TIME DELAY SETTING	NOTES
LEVITON	MDS10-ID	WALL	PASSIVE INFRARED	15 MIN	

8		9	10		11			12 13		
			1.10		HEDI					II
	QUANTITY					LA L	AMPING	4		
TAG	(CONFIRM WITH PLANS)	DESCRIPTION	VOLTAGE	MOUNTING	QTY	WATTAGE	TYPE/COLOR TEMP	MANU/SERIES	VA	Α ^Δ Α ^Δ Ι.
A1	7	2'-0"X4'-0" LED TROFFER WITH INTEGRAL DIMMING DRIVER.	120	RECESSED GRID		39	LED	COLUMBIA LCAT24-35LWG-EDU (COOPER CRUZ, LITHONIA BLT OR CREE ZR EQUAL)	39	
A2	7	2'-0"X2'-0" LED TROFFER WITH INTEGRAL DIMMING DRIVER.	120	RECESSED		23	LED	COLUMBIA LCAT24-35LWG-EDU (COOPER CRUZ, LITHONIA BLT OR CREE ZR EQUAL)	23	
B	3	4'-0" LED STRIP FIXTURE. 22 GAUGE STEEL BASE, WHITE POWDER COAT FINISH, SEMI FROST LENS.	120			32	LED/3500K/ 3000 LUMEN		32	
B2	5	2-0" LED STRIP FIXTORE. 22 GAUGE STEEL BASE, WHITE POWDER COAT FINISH, SEMI FROST LENS.	120			24 	LUMEN		24	A A
	5	BLACK BAFFLE, WHITE TRIM AND ELV DIMMING DRIVER.	120	RECESSED		0		JUNO#222D TRIM SERIES	0	
C1B	1	2" DIAMETER RECESSED LED DOWNLIGHT WITH WHITE BAFFLE, WHITE TRIM AND ELV DIMMING	120	RECESSED		12	LED	JUNO#2LEDTRIM SERIES	12	н 🖌
C2	9	4.5" DIAMETER RECESSED LED WALLWASHER WITH	120	RECESSED		17	LED	REGGIANI#A-RG-14-H-HW-31/ V-O-ME53-121C	17	
C3	7	4.5" DIAMETER RECESSED LED DOWNLIGHT WITH BLACK TRIM AND 0-10V DIMMING DRIVER.	120	RECESSED		12	LED	REGGIANI#A-BG-13-E-HW-31/ V-O-ME50-121C	12	
E	12	SURFACE MOUNTED SELF-CONTAINED EMERGENCY LIGHTING FIXTURE FOR WALL INSTALLATION. LEAD CALCIUM BATTERY, UV-STABLE PLASTIC HOUSING WITH WHITE FINISH. TWO FULLY ADJUSTABLE MR16 LAMPS WITH CLEAR PROTECTIVE LAMP LENS. PUSH TO TEST SWITCH, LED INDICATOR LIGHTS FOR AC SUPPLY, BATTERY CHARGE STATUS. 90	120	SURFACE WALL/CLG	2	3	LED	DUAL-LITE#LZ EXITRONICS#LL50 LITHONIA#ELM2	5	mmit nents Pryor , MO
E2	3	SURFACE MOUNTED SELF-CONTAINED EMERGENCY LIGHTING FIXTURE FOR WALL INSTALLATION. LOW TEMPERATURE NI-CAD BATTERY OR LEAD CALCIUM BATTERY WITH HEATER, UV-STABLE PLASTIC HOUSING WITH WHITE FINISH, LISTED FOR WET LOCATION. TWO FULLY ADJUSTABLE MR16 LAMPS WITH CLEAR PROTECTIVE LAMP LENS. PUSH TO TEST SWITCH, LED INDICATOR LIGHTS FOR AC SUPPLY, BATTERY CHARGE STATUS. 90 MINUTES OF BATTERY OPERATION	120	WALL		11	LED	LITHONIA#AFN-EXT	5	Lee's Sur Lee's Sur ion Docum ion Docum is Summit
F1X		FLEXIBLE LED TAPELIGHT WITH INTEGRAL BODY AND DIFFUSER AND REMOTE 0-10V DIMMING DRIVER. CONFIRM LENGTHS WITH CASEWORK SHOP DRAWINGS AND ARCHITECTURAL DETAILS.	120	SURFACE		4/FT	LED	LUMINII#KBM-F-H-27K	200	irill - itruct ot 1 S
F3-3	4	1.5" X 30" ALUMINUM EXTRUSION FOR RECESSED INSTALLATION WITH DRYWALL FLANGE, LED TAPELIGHT, FROSTED COVER AND REMOTE 0-10V DIMMING DRIVER.	120	RECESSED		25	LED	LUMINII#K-30IN-27K-MO-FF	25	or G Cons
F3-5	6	1.5" X 5'-0" ALUMINUM EXTRUSION FOR RECESSED INSTALLATION WITH DRYWALL FLANGE, LED TAPELIGHT, FROSTED COVER AND REMOTE 0-10V DIMMING DRIVER.	120	RECESSED		50	LED	LUMINII#K-60IN-27K-MO-FF	50	
G1	4	LED WALL SCONCE WITH ELV DIMMING DRIVER AND AGED BRASS FINISH.	120	SURFACE		30	LED	WAC LIGHTING#WS-30907-AB	30	
G2 J1	4 9	LED STEP LIGHT HEAT LAMP PROVIDED AS PART OF THE KITCHEN	120 120	RECESSED CEILING	 1	3 375	LED INC	JUNO#LMS-30K-CTD-120-RPC-BL HATCO#DLH-R-N-600	3 375	
		PACKAGE AND INSTALLED BY CONTRACTOR. COORDINATE MOUNTING HEIGHT WITH OWNER.								OF MISS
K1A	3	LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER, FURNISH WITH HEX CELL LOUVER. FURNISH WITH TRACK IN LENGTHS SHOWN.	120	TRACK		19	LED	LF ILLUMINATION#TRA20B-H-19C- 9227-N-D11-BB/ OPT-TRA20B-HXL	19	E * CORY A.
K1B	17	LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER, FURNISH WITH LINEAR SPREAD LENS.	120	TRACK		19	LED	LF ILLUMINATION#TRA20B-H-19C- 9227-N-D11-BB/ OPT-TRA20B-P-LSL	19	NUMBER PE-2007006928
K1D	14	LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER, FLOODLIGHT DISTRIBUTION AND LINEAR SPREAD LENS. FURNISH WITH TRACK IN LENGTHS	120	TRACK	1	8	LED	LF ILLUMINATION#TRA20B-H-08C- 9227-N-D11-BB/ OPT-TRA20B-P-LSL	8	food service
К2	18	WALL WASH LED TRACK LIGHT WITH 120V PHASE DIMMING DRIVER. FURNISH WITH TRACK IN LENGTHS SHOWN.	120	TRACK		13	LED	LF ILLUMINATION#TRA29V-H-13C- 9227-W-D11-BB	13	TriMark Hockenbergs 10550 Barkley, Ste. 201
K3 L1	16 5	LED TRACK MOUNTED FRAMING PROJECTOR.	120 120	IRACK PENDANT	 16	9 10	LED	TIMES SQUARE#LED9P-B-T1 RESTORATION HARDWARE #68520013MKPN	9 160	p. 913.945.2490 mechanical, electrical, and
М	2	LED WALL MOUNTED 11" FIXTURE WITH BLACK FINISH, MEDIUM UPLIGHT/DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, 0-10V	120-277	WALL	1	20	LED/1800LM/ 3000K	CONTECH#CY3T-3-30K-MVD2-UD-X-M-B	20	Welch and Mitchell
N	9	LED WALL MOUNTED 11" TALL FIXTURE WITH BLACK FINISH, MEDIUM DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, 0-10V DIMMING DRIVER.	120-277	WALL	1	20	LED/1800LM/ 3000K	CONTECH#CY3T-3-30K-MVD2-W-X-M-B	20	Overland Park, KS 66211 913.544.1627
N1 [*]		32" DIAMETER X 16" TALL DECORATIVE SUSPENDED PENDANT. IRON EXTERIOR, COPPER LEAR INTERIOR. PROVIDE WITH LED SCREW-IN DIMMABLE ELV LAMP.						IL FANALE GALILEO#251.06.F94		Bob D. Campbell 4338 Belleview
NE	6	LED WALL MOUNTED 11" TALL FIXTURE WITH MEDIUM DISTRIBUTION, WET LOCATION LISTED, REMOTE 0-10V DIMMING DRIVER WITH BATTERY BACKUP. INSTALL DRIVER INSIDE BUILDING AS HIGH AS POSSIBLE.	120-277	WALL	1	20	LED/1800LM/ 3000K	CONTECH#CY3T-3-30K-MVD2- W-X-M-RDB	20	Kansas City, MO 64111 816.531.4144 C <u>Civil</u>
01	5	LED CEILING MOUNTED 6" TALL FIXTURE WITH BLACK FINISH, MEDIUM DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED. 120V FI V DIMMING DRIVER	120-277	CEILING	1	20	LED/1800LM/ 3000K	CONTECH#CY3S-3-30K-12D1-C-X-M-B	20	SM Engineering 5507 High Meadow Circle
O2	1	LED CEILING MOUNTED 11" TALL EMERGENCY FIXTURE WITH BLACK FINISH, MEDIUM DOWNLIGHT DISTRIBUTION, WET LOCATION LISTED, REMOTE 120V ELV DIMMING DRIVER WITH BATTERY BACKUP. INSTALL DRIVER INSIDE BUILDING AS HIGH AS	120-277	CEILING	1	20	LED/1800LM/ 3000K	CONTECH#CY3T-3-30K-MVD2-C-X-M-B-RDB	20	Manhattan, Kansas 66503 785.341.9747 architectural URBAN PRAIRIE ARCHITECTURAL
P1	17	POSSIBLE. LED PENDANT MOUNTED 6" TALL FIXTURE WITH BLACK FINISH, MEDIUM DISTRIBUTION, WET LOCATION LISTED, ELV DIMMING DRIVER, 24" RIGID STEM.	120-277	WALL	1	20	LED/1800LM/ 3000K	CONTECH#CY3S-3-30K-12D1-RS-X-M-B	20	COLLABORATIVE, P.C. 4523 Mercier Street Kansas City, Missouri 64111 p 816.304.7416
Q1	1	4" WIDE LED WALL GRAZER, INTEGRAL 0-10V DIMMING DRIVER.	120	RECESSED		17	LED	FOCAL POINT#FSM2PR-FXH-FL2- 375LF-30K-1C-UNV-LD1-XF-WH-3FT	17	 pminto@urbanprairiekc.com Missouri Certificate of Authority: #
R	4	65", 8-BLADE CEILING FAN , PENDANT MOUNTED, SUITABLE FOR OUTDOOR INSTALLATION, COAL FINISH WITH COAL BLADES, 18" DOWNROD. FURNISH WITH REMOTE CONTROL.	120	PENDANT				MINKA AIRE#F896-65-CL	58	PROJECT NUMBER: 20-03 ISSUE DATE: 10 March, 202 REVISIONS DAT Bid/Dermit Soft
X1	10	LED EXIT SIGN, SINGLE OR DOUBLE FACE AS INDICATED ON DRAWINGS, THERMOPLASTIC HOUSING, RED LETTERING, SEALED NI-CAD BATTERY, INTEGRAL EMERGENCY LAMPS, MINIMUM 90 MINUTE CAPACITY. DRAWINGS INDICATE ARROWS.	120	UNIVERSAL	3	6	LED/MR-16	LITHONIA LHQM	5	1 ADD #1 05.03.202
X2	2	HIGH ABUSE LED EXIT SIGN. DI-CAST ALUMINUM HOUSING WITH IMPACT RESISTANT POLYCARBONATE COVER. WHITE HOUSING AND FACEPLATE, RED LETTERS, SEALED NI-CAD BATTERY, MINIMUM 90 MINUTE CAPACITY.	120	WALL	1		LED	CHLORIDE#T COOPER#UX70RSD LITHONIA#LV EXITRONIX#NAV DUAL-LITE#LN4X	5	A Mezzanine Lighting Plan

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		1	F	1	EQUIPME		ION SCHEDULE						
								CON	NECTION	1	1		-
					VOLTS/						MTG HT		
TAG			AMPS	KW	PHASE	PANEL/CIRC	CIRCUITING	OCPD	DIRECT	RECEPT	(AFF)	DISC	REMARKS
1	1		5		120/1	P1-1	(2)#12,#12G,1/2 C	20A/1P CB	X			NOTE 4	+
1.1	1	CUOLER EVAPORATOR 13	1.6		120/1	P1-3	(2)#12,#12G,1/2 C	20A/1P CB	X				+
<u> </u>			7.4		200/1	P 1-0	NOTE 3	ZUA/ZP CB		5 15P	/8"	JUA/Z WIRE N.F.	+
7			10		120/1	P1_0	(2)#12.#12G.1/2"C	20A/1P CB		5-20R	40		
8		BAG-N-BOX	5		120/1	P1-11	(2)#12.#12G.1/2"C	20A/1P CB		5-20R	66"		-
11	1	SLICER	2		120/1		NOTE 3	20/011 00		5-15R	48"		
13	1	WALK-IN CLB TS/HTB 13	5		120/1	P1-13	(2)#12,#12G,1/2"C	20A/1P CB	х	0 1010		NOTE 4	NOTE 6
13.1	2	COOLER EVAPORATOR 13	1.6		120/1	P1-3	(2)#12,#12G,1/2"C	20A/1P CB	X			NOTE 4	
13.2	1	CLR REMOTE COMP 13.2	13.4		208/1	P1-17	(2)#10,#10G,1/2"C	30A/2P CB	X			30A/2 WIRE N.F.	
16	1	DOUBLE CONVECTION OVEN	6		120/1	P1-21	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	24"/ 48"		NOTE 5, 9
17	1	EXH HOOD LTS/CONTROLS 17	5		120/1	P1-25	(2)#12,#12G,1/2"C	15A/1P CB	Х				NOTE 1
		EXHAUST FAN					NOTE 3						
21	1	MIXER	6		120/1		NOTE 3			5-15R	48"		
25	1	REACH-IN REF 25	6		120/1		NOTE 3			5-15R	88"		
26	1	REACH-IN FREEZER	10		120/1	P1-27	(2)#12,#12G,1/2"C	20A/1P CB		<u>5-15</u> R	88"		
27	1	ICE MACHINE	15.9		208/1	P1-29	(2)#10,#10G,1/2"C	30A/2P CB	Х		72"	30A/2 WIRE N.F.	
29	1	PIZZA OVEN	30		208/1	MDP-31	(2)#10,#10G,1/2"C	30A/2P CB	Х	6-30R	38"		
30	1	UNDERCOUNTER REF	3.2		120/1	P1-33	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
32	1	EXH HOOD LTS/CONTROLS 32	5		120/1	P1-35	(2)#12,#12G,1/2"C	15A/1P CB	Х				NOTE 1
		EXHAUST FAN					NOTE 3						_
33	1	REF EQUIPMENT STAND	4.8		120/1	P1-37	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		_
38	3	FRYER	0.7		120/1	P1-39	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		NOTE 2,5,7
		FRYER FILTER	7		120/1					5-15R	16"		
39	1	HEAT LAMP	5		120/1	P1-43	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	48"		
41	2	WAFFLE BAKERS	10.8		120/1	P1-45/P1-47	(2)#12,#12G,1/2"C	20A/1P CB		5-20R	48"		_
42	1	UNDERCOUNTER FREEZER	3.2		120/1	P1-49	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
43	1	POP UP TOASTER	15		120/1	P1-51	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	48"		
47	2		10		120/1	P1-53/P1-57	(2)#12,#12G,1/2°C	20A/1P CB		5-15R	16"		NOTE 5
49		REACH-IN REF 49	6		120/1	P1-61	(2)#12,#12G,1/2°C	20A/1P CB		5-15R	88"		
52	1	EXH HOOD LIS/CONTROLS 52	5		120/1	P1-63	(2)#12,#12G, 1/2 C	15A/1P CB	X				NOTE 1
F 4				0.07	400/4		NOTE 3			5.45D	40"		
54			12.4	0.37	120/1	D1 65	(2)#12 #12G 1/2"C			5-15K	48		
56			7.5		120/1	P1-00	(2)#12 #12G 1/2"C	20A/2P CB		0-20R	40		
57			1.5 A		120/1	P1_71	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
58			13.4		120/1	P1-73	(2)#12.#12G.1/2"C	20A/1P CB		5-15R	16"		-
60	1	HOT FOOD WELL	10		120/1	P1-75	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	48"		-
61		HOT FOOD TABLE	7 21		208/1	P1-77	(2)#12,#12G,1/2"C	20A/2P CB		6-15R	16"		-
62	1	SAND/SALAD PREP REF 62	6		120/1	P1-2	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
63	1	SAND/SALAD PREP REF 63	6		120/1	P1-4	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
67	1	MOBILE WARMING CABINET	12.6		120/1	P1-6	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
70	1	DISHMACHINE	48.75		208/3	MDP-37	(3)#6,#10G,3/4"C	60A/3P CB	Х		66"	60A/3 WIRE N.F.	
<u>70.</u> 1	1	DRAIN TEMPERING KIT	5		120/1	P1-8	(2)#12,#12G,1/2"C	20A/1P CB	X		8"	NOTE 4	
71	1	COND HOOD EXH FAN					NOTE 3						
75	9	DROP DOWN HEAT LAMPS		0.375	120/1		NOTE 8						
76	2	DROP-IN COLD PAN	8		120/1	P1-10/P1-12	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
77	1	DRAWER WARMER 77	3.8		120/1	P1-81	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
78	1	COOKER/ WARMER	8.3		120/1	P1-14	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
79	2	POS UNITS	-		120/1		NOTE 3						_
81	2	SODA/ICE DISPENSER	5		120/1		NOTE 3			5-20R	16"		
82	1	COFFEE/TEA BREWER	13	ļ	208/1	P1-16	(2)#12,#12G,1/2"C	20A/2P CB		5-20R	48"		NOTE 2
83	1	COFFEE GRINDER	10	 	120/1	P1-20	(2)#12,#12G,1/2"C	20A/1P CB		5-20R	48"		NOTE 2
84	1	UNDERCOUNTER REF 84	12.5	 	120/1	P1-26	(2)#12,#12G,1/2"C	20A/1P CB		5-15R	16"		
B6	2	UNDERBAR REFRIGERATORS	2.75	 	120/1	P1-24	(2)#12,#12G,1/2"C	20A/1P CB		5-15R			NOTE 10
B8	1	GLASS WASHER	16	<u> </u>	120/1	P1-30	(2)#12,#12G,1/2"C	20A/1P CB		5-20R			NOTE 2
B11		UNDERBAR POS STATIONS		 	120/1		NOTE 3						
B12	1	GLASS FROSTER	5		120/1	P1-22	(2)#12,#12G,1/2"C	20A/1P CB		5-20R			
B14	1 1	IPOS UNITS	1	1	I 120/1		NOTE 3	1			1		1

GENERAL NOTE: ALL 120 VOLT, 20 AMP RECEPTACLES IN THE KITCHEN SHALL BE GFI TYPE. REFER TO THE FOOD SERVICE DRAWINGS FOR ROUGH IN LOCATIONS AND ADDITIONAL REQUIREMENTS NOTE 1: EXTEND AND CONNECT TO HOOD ANSUL SYSTEM. REFER TO THE WIRING DIAGRAMS ON THE MECHANICAL SHEETS FOR ADDITIONAL CONNECTION REQUIREMENTS NOTE 2: VERIFY CONNECTION REQUIREMENTS OF EQUIPMENT.

NOTE 3: REFER TO THE POWER PLANS FOR CIRCUITING. NOTE 4: PROVIDE 120 VOLT, 20 AMP HORSEPOWER RATED SWITCH AT EQUIPMENT FOR DISCONNECTING MEANS. NOTE 5: CONNECT TO SHUNT TRIP CIRCUIT BREAKER OR RELAY, CONNECT TO HOOD SUPPRESSION PANEL TO DISCONNECT POWER TO EQUIPMENT. NOTE 6: CONNECT TO COOLER ACCESSORIES AND CONDENSATE PUMP. PROVIDE RECEPTACLE FOR PUMP, COORDINATE LOCATION. NOTE 7: CONNECT ALL FRYERS AND FRYER FILTER ON A SINGLE CIRCUIT.

NOTE 8: REFER TO THE LIGHTING PLAN FOR CONNECTION. PROVIDE WALL SWITCHES FOR CONTROL, COORDINATE SWITCH LOCATION WITH OWNER. NOTE 9: PROVIDE ONE CIRCUIT TO EACH OVEN IN STACK.

NOTE 10: CONNECT ALL ITEMS ON A SINGLE CIRCUIT

Open to below –

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URBAN PRAIRIE ARCHITECTURAL COLLABORATIVE, P.C.

4523 Mercier Street Kansas City, Missouri 64111 p 816.304.7416 pminto@urbanprairiekc.com

Missouri Certificate of Authority: # PROJECT NUMBER:

20-033 10 March, 2021 ISSUE DATE:

REVISIONS DATE 04.16.2021 1 Bid/Permit Set _____ _____ _____ _____

Mezzanine Power Plan

P7 Interior Lighting Comp	lionee C	`ortifi	ooto		Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	в Lamps/ Fixture	ں # of Fixtures	Fixture Watt.	(0
· V I Interior Lighting Comp	nance C	,ertin	cate)	LED 15: K3: LED DL: LED PAR 8W:	1	16	9	
					LED 13: C1B: LED DL: LED PAR 8W:	1	1	12	
					LED 12: K2: LED DL: LED PAR 8W:	1	18	13	
is at Information					LED 11: KIA/KIB: LED DL: LED PAR 8W:	1	20	19	
Ject information					LED 10: P1: LED DL: LED PAR 8W:	1	3	20	
gy Code: 2018 IECC					LED 16: G1: LED SCONCE: LED PAR 20W:	1	4	30	
ct Title:					LED 18: N1: LED PENDANT: LED Other Fixture Unit 60W:	1	4	77	
ct Type: New Construction					LED 19: F1X: LED TAPE: LED Other Fixture Unit 125W:	1	1	200	
					Track lighting 1: wattage based on current limiting device capacity	0	0	2400	2
					<u>3-office (Common Space Types:Office - Enclosed)</u>				
struction Site: Owner/Agent:	Designer/C	ontractor:			LED 9: A1: LED 2X4: LED Panel 38W:	1	1	39	
							Total Propo	sed Watts =	= 5
ditional Efficiency Package(s)					Interior Lighting PASSES: Design 1% better than code				
n efficiency HVAC. Systems that do not meet the performance requirement will be in	identified in the mechar	nical requireme	nts checklis	t	Interior Lichting Compliance Statement				
rt.									
ved Interior Lighting Power					Compliance Statement: The proposed interior lighting design represented in this specifications, and other calculations submitted with this permit application. The	acument is c	onsistent w	with the bui	liding p
Α	в	с		D	designed to meet the 2018 IECC requirements in COMcheck Version <u>4.1</u> .2.0 and t	comply with	any applica	able mand	atory
Area Category	Floor Area	Allowed	Allow	ed Watts	requirements listed in the Inspection Checklist.				,
	(ft2)	Watts / ft2	(B	XC)	Conv Mitchell designer	•		16.21	
tibule/reception (Common Space Types: Labby Constal)	224	1.00		224	Name - Title		Date	<u>4-0-∠1</u> e	
strooms (Common Space Type: Postrooms)	224	0.85		207			200	-	
rade (Common Space Types: Nestroad)	106	0.00		103					
rage (Common Space Types.St0rage)	1110	1.03		120					
nen (Common Space Types: 000 Fleparation)	1113	1.00	1	100					
ng (Common Space Types. Dining Area - Dar Lounge/Leisure)	3000	0.93	3	40					
e (Common Space Types:Office - Enclosed)	52 -	0.93		40					
	Tc	tal Allowed Wa	aus = 5	1001					
posed Interior Lighting Power									
A	В	С	D	E					
Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	Lamps/	# of	Fixture	(C X D)					
	Fixture	Fixtures	Watt.						
tibule/reception (Common Space Types:Lobby - General)									
ED 1: C3: LED DL: LED PAR 12W:	1	7	12	84					
D 2: C2: LED DL: LED PAR 17W:	1	9	17	153					
trooms (Common Space Types Restrooms)		-							
D 3: C1A: I ED DI : I ED PAR 8W:	1	4	8	32					
2 4: Q1: LINEAR LED: LED Linear 17W:	1	1	17	17					
	1	4	25	100					
D 5: F3-3: LED DL: LED PAR 20W:	1	6	50	300					
D 5: F3-3: LED DL: LED PAR 20W: D 6: F3-5: LED DL: LED PAR 20W:	-								
ED 5: F3-3: LED DL: LED PAR 20W: ED 6: F3-5: LED DL: LED PAR 20W:)rage (Common Space Types:Storage)			32	96					
:D 5: F3-3: LED DL: LED PAR 20W: :D 6: F3-5: LED DL: LED PAR 20W: <u>prage (Common Space Types:Storage)</u> :D 9: B: LED STRIP: LED Panel 38W:	1	3							
D 5: F3-3: LED DL: LED PAR 20W: D 6: F3-5: LED DL: LED PAR 20W: rage (Common Space Types:Storage) D 9: B: LED STRIP: LED Panel 38W: hen (Common Space Types:Food Preparation)	1	3							
D 5: F3-3: LED DL: LED PAR 20W: D 6: F3-5: LED DL: LED PAR 20W: <u>rage (Common Space Types:Storage)</u> D 9: B: LED STRIP: LED Panel 38W: <u>chen (Common Space Types:Food Preparation)</u> D 12: A2: LED 2X2: LED Panel 19W [.]	1	3	23	161					
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D 5: F3-3: LED DL: LED PAR 20W: D 6: F3-5: LED DL: LED PAR 20W: 'age (Common Space Types:Storage) D 9: B: LED STRIP: LED Panel 38W: hen (Common Space Types:Food Preparation) D 12: A2: LED 2X4: LED Panel 19W: D 3: A1: LED 2X4: LED Panel 38W: ng (Common Space Types:Dining Area - Bar Lounge/Leisure) D 3: L1: LED PENDANT: Other: D 3: B2: LED STRIP: LED Panel 38W: D 17: G2: LED STRIP: LED Panel 38W: D 17: G2: LED STRIP: LED Panel 38W: D 17: G2: LED STRIP: LED Panel 38W: D 3: C1A: LED DL: LED PAR 8W: 't Title: 'ilename: C:\Users\kcami\OneDrive - Welch & Mitchell, Inc\Public\WMI\/ Grille Lee's Summit\Design\Comcheck RDG.cck	1 1 1 1 1 1 1 1 9 70jects\2021\21103	3 7 6 3 1 4 1 1	23 39 50 24 3 8 eport date: Page	161 234 150 24 12 8 * 04/06/21 1 of 7	Project Title: Data filename: C:\Users\kcami\OneDrive - Welch & Mitchell, Inc\Public\WMI\Projec Grille Lee's Summit\Design\Comcheck RDG.cck	ts\2021\2110	300 Red Do	Report da or Page	ate: 04 e 2

GI	ENERAL	(COMMUNICATIONS	
1	ELECTRICAL NOTE REFERENCE	•	TELEPHONE OUTLET	
$\overline{\Lambda}$	REVISION NOTE REFERENCE	\triangleleft	DATA OUTLET TELEPHONE/DATA OUTLET	
$\langle 1 \rangle$	EQUIPMENT CONNECTION TAG	$\blacksquare \bigtriangledown \blacksquare \blacksquare$	ABOVE COUNTER DEVICE, MOUNT 5" ABOVE	
			BACKSPLASH OR COUNTER TOP, WHICHEVER IS HIGHER.	
\mathbf{X}		\bigtriangledown		
XX	DETAIL REFERENCE - NO./SHEET NO.		PLYWOOD BOARD FOR EQUIPMENT MOUNTING	
		I	POWER DEVICE AND CONTROLS	
2011		30/3/NF	DISCONNECT SWITCH. 30/3/NF INDICATES AMPERAGE, NUMBER OF POLES, AND FUSING. NF =	
IG LP-1	AND (1)#12 AWG GROUND UNLESS NOTED		3 POLE, 30 AMP NON FUSED IF BLANK.	
	CONDUCTORS, LONG MARKS INDICATE NEUTRAL CONDUCTORS.	0	MOTOR	
\rightarrow	GROUND WIRE. #12 AWG UNLESS NOTED		PANELBOARD	
, ,	OTHERWISE. CONDUIT CONCEALED IN WALL OR ABOVE CELLING		CONTACTOR	
	WITH (2)#12 AND (1)#12 AWG GROUND UNLESS NOTED OTHERWISE.	PC	PHOTOCELL	
、	CONDUIT BELOW GRADE OR FLOOR WITH WITH (2)#12 AND (1)#12 AWG GROUND UNLESS NOTED	Ū	JUNCTION BOX	
	OTHERWISE.	● 〒	PUSHBUTTON	
		ТС	TIMECLOCK	
TURE SCHEDU	ESIGNATIONS INDICATE TYPE, REFER TO LIGHT ILE			
	WALL/CEILING MOUNTED EMERGENCY LIGHTING UNIT		SIBLE NOTIFICATION DEVICES WITH LENS AT 80-96"	
	LIGHT FIXTURE	AFF AND A 88" TO TOP	MINIMUM OF 6" BELOW CEILING. MOUNT HORNS AT P OF DEVICE.	
$ \square \square$		F	MANUAL PULL STATION	
		S	SMOKE DETECTOR	
\bigcirc	CEILING MOUNTED SURFACE/RECESSED LIGHT CEILING MOUNTED SURFACE/RECESSED WALLWASH	ভ _D (S)	SINGLE/ MULTIPLE STATION SMOKE DETECTOR.	
	LIGHT. ARROW INDICATES DIRECTION.	Ē	HEAT DETECTOR	
	LIGHT FIXTURE WITH EMERGENCY BALLAST	L) 110	WALL MOUNTED VISIBLE NOTIFICATION DEVICE. NUMBER INDICATES CANDELA RATING, 110 CD IF NOT	
	TRACKLIGHT	मडो	NOTED. WALL MOUNTED COMBINATION VISIBLE FAUDIBLE	
~ <u>~</u>	POLE MOUNTED SITE LIGHT FIXTURE	110	NOTIFICATION DEVICE. NUMBER INDICATES CANDELA RATING, 110 CD IF NOT NOTED.	
	CEILING/WALL MOUNTED EXIT LIGHT. SHADING	FS	FIRE PROTECTION SYSTEM WATER FLOW SWITCH	
Ϋ́ΙΎ	INDICATES FACES, ARROWS AS INDICATED	TS	FIRE PROTECTION SYSTEM VALVE TAMPER SWITCH	
	RING DEVICES SPECIFICATIONS FOR MOUNTING HEIGHTS NOT LISTED	FACP	FIRE ALARM CONTROL PANEL	
⊳ ⊌ ₶	SIMPLEX, DUPLEX, AND QUAD RECEPTACI F MOUNT			
_	AT 18" AFF TO CENTER OF DEVICE UNLESS NOTED _ OTHERWISE.			
→ ➡ 曲	ABOVE COUNTER RECEPTACLE, MOUNT 5" ABOVE BACKSPLASH OR COUNTER TOP, WHICHEVER IS	Ŀ	PANELBOARD	
	HIGHER.		TRANSFORMER	
o d da GFI GFI GFI	RECEPTACLE DESIGNATIONS: GFI - GROUND FAULT CIRCUIT INTERRUPTER	Ţ	GROUNDING ELECTRODE	
	RECEPTACLE WP - WEATHER RESISTANT RECEPTACLE WITH	M	METER	
	U - DUPLEX RECEPTACLE WITH (2) USB CHARGING	 xxx	FEEDER. "XXX" INDICATES FEEDER NUMBER, REFER TO FEEDER SCHEDULE FOR CIRCUIT	
\$	WALL SWITCH, SINGLE POLE. MOUNT AT 46" AFF TO		CONDUCTORS AND CONDUIT SIZE.	
\$ ³	CENTER OF DEVICE UNLESS NOTED OTHERWISE WALL SWITCH DESIGNATIONS:	۲	CIRCUIT BREAKER. XX/XP INDICATES AMPERAGE AND NUMBER OF POLES.	
	3 - THREE POLE SWITCH 4 - FOUR-WAY WALL SWITCH	۱ ط	FUSED SWITCH. XX/XX/XX INDICATES AMPERAGE,	
	D - WALLBOX DIMMER	r O	NUMBER OF POLES, AND FUSING. MOTOR	
[™] MS-1	INDICATES TYPE - REFER TO OCCUPANCY SENSOR SCHEDULE	-		
^{OS} MS-1	MOTION SENSOR, WALL MOUNTED. DESIGNATION INDICATES TYPE - REFER TO OCCUPANCY SENSOR			
	SCHEDULE. MOUNT AT 46" AFF TO CENTER OF DEVICE			
	MULTI-SERVICE FLOOR BOX			
۲	FLOOR BOX W/DUPLEX RECEPTACLE			
© _{6-20R}	NEMA RECEPTACLE, DESIGNATION INDICATES NEMA TYPE.			

A Electrical Schedules

EL	ECTRICAL PANEL SC	HEDUL	E									
ΡΑ	NEL MDP LOCATION: VOLTAGE: PHASE/WIRE:	208Y/120 3 PH / 4 \	N N	M,	MAII AIN BUS	N OCPD: RATING: MIN AIC:	800 A 800 A 25,000 A	4		SE GROU NEUTI	ECTIONS: JND BUS: RAL BUS:	1 - 42 CIRCUIT EQUIPMENT GROUND B 100% NEUTRAL
	MOUNTING:	SURFAC	E CPD	SER	JOAD (KVA	RANCE:	NO L	_OAD (KVA	A)		CPD	
CIRC	LOAD DESCRIPTION	POLES	AMPS	A	PHASE B	с	A	PHASE B	с	AMPS	POLES	LOAD DESCRIPTION
1 3	PANEL P1	3	200	22.6	21.7		9.2	10.6		100	3	PANEL P2
5 7	RTU-1	3	50	4.3		20.3	8.1		12.6	100	3	RTU-2
9					4.3	4.3		8.1	8.1			
13 15	RTU-3	3	60	5.7	5.7		8.1	8.1		100	3	RTU-4
17 19	MAU-1	3	45	2.5		5.7	2.7		8.1	35	3	OAU-1
21 23					2.5	2.5		2.7	2.7			
25 27	EDH-1	3	15	1.0	1.0			2.0		25	3	EDH-2
29 31	PIZZA OVEN	2	30	3.1		1.0	1.8		2.0	100	3	LTG CONT PNL LP
33 35					3.1	3.1		1.8	1.8			
37 39	DISHMACHINE	3	60	5.9	5.9						3	SPACE
41	SUBTOTAI			<u>4</u> 5 1	<u>4</u> 4 1	5.9 42 7	20 P	33.0	25.2			SUBTOTAL
	LOAD SUMMARY		CONN	ECTED	DEMAND	FACTOR	DEMAN		JJ.Z	ļ		
	A/C MOTOR (MAX/RE	MAINDER)	LUAD	(IXVA) 78.1		1.25/1.00	(K)	84.2		CO	NN. AMPS:	644.5
	OTHER MOTOR (MAX/RE RECEPTACLES (0-10KVA/RE	MAINDER)		59.0 20.0		1.00/1.00 1.00/0.50		59.0 15.0		DEMA	AND AMPS:	581.8
				9.2		1.25		11.5			NOTES:	
		OTHER		9.0 8.4		1.00		8.4				
-		KITCHEN TOTAL		48.4 232.203		0.65		31.5 209.6	-			ST - SHUNT TRIP
	PHASE/WIRE: MOUNTING:	3 PH / 4 V SURFAC	N E	SER	VICE ENT	MIN AIC:	25,000 A	4		NEUT	RAL BUS:	100% NEUTRAL
		0	CPD		_OAD (KVA	A)	NO	OAD (KVA	4)		CPD	
		0			-OAD (KVA PHASE	A)		DAD (KVA	A)		DCPD	
CIRC	LOAD DESCRIPTION	POLES	AMPS	A	DAD (KVA PHASE B	C	NO L	DAD (KVA PHASE B	A) C	ACCES	POLES	LOAD DESCRIPTIO
CIRC	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13	POLES 1 1	AMPS 20 20	A 0.6	OAD (KVA PHASE B 0.2	C	<u>NO</u> L	OAD (KV/ PHASE B 1.4	A) C	ACCES 0 AMPS 20 20	POLES 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6
CIRC 1 3 5 7	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR	POLES 1 2	AMPS 20 20 20	A 0.6 0.8	DAD (KVA PHASE B 0.2	C 0.8	NO 	OAD (KVA PHASE B 1.4	A) C 1.5	ACCES AMPS 20 20 20 20 20	POLES POLES	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINE DRAIN TEMPERING KIT
CIRC 1 3 5 7 9 11	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX	POLES 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMPS 20 20 20 20 20 20 20	A 0.6 0.8	DAD (KVA PHASE B 0.2 1.2	C 0.8	NO 	DAD (KVA PHASE B 1.4 1.0	A) C 1.5	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 1 1 1 1 1 1 1 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINE DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN
CIRC 1 3 5 7 9 11 13 15	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13	POLES 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20 20 20 20 20 20 20 20 20 20 20	A 0.6 0.8	DAD (KVA PHASE B 0.2 1.2	C 0.8 0.6	NO L A 1.4 0.6 1.0	DAD (KVA PHASE B 1.4 1.0	A) C 1.5 1.0	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 1 1 1 1 1 1 1 1 1 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINE DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER
CIRC 1 3 5 7 9 11 13 15 17	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2	POLES 1 2 1 1 1 1 1 2	AMPS 20 20 20 20 20 20 20 20 20 30	A 0.6 0.8 0.6	OAD (KVA PHASE B 0.2 1.2 0.2	C 0.8 0.6 1.4	NO L A 1.4 0.6 1.0	OAD (KVA PHASE B 1.4 1.0 1.4	A) C 1.5 1.0 1.4	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 1 1 1 2	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINE DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER
CIRC 1 3 5 7 9 11 13 15 17 19 21	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN	POLES 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AMPS 20 20 20 20 20 20 20 20 30 20-ST	A 0.6 0.8 0.6 1.4	OAD (KVA PHASE B 0.2 1.2 0.2 0.2	C 0.8 0.6 1.4	NO L A 1.4 0.6 1.0 1.2	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6	A) C 1.5 1.0 1.4	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17	POLES 1 2 1 1 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1	AMPS 20 20 20 20 20 20 20 20 30 20-ST 15	A 0.6 0.8 0.6 1.4 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2	C 0.8 0.6 1.4	NO L A 1.4 0.6 1.0 1.2 1.5	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6	A) C 1.5 1.0 1.4 0.7	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERATO UNDERCOUNTER REF 84
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE	POLES 1 1 1 2 1 1 1 2 1 1	AMPS 20 20 20 20 20 20 20 20 20 20	A 0.6 0.8 0.6 1.4 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.7 0.7 1.2	C 0.8 0.6 1.4	NO L A 1.4 0.6 1.0 1.2 1.5	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6 0.7	A) C 1.5 1.0 1.4 0.7 1.9	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERATO UNDERCOUNTER REF 84 UNDERBAR REFRIGERATO GLASS WASHER
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 22	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE	POLES 1 1 2 1 1 1 2 1 1 1 1 1 2 1 1 2 1 2 1 2 1 2 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST 15 20 30 20	A 0.6 0.8 0.6 1.4 0.6 1.7	OAD (KVA PHASE B 0.2 1.2 0.2 0.7 1.2 0.7	C 0.8 0.6 1.4 1.7	NO L A 1.4 0.6 1.0 1.2 1.5	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6 0.7	A) C 1.5 1.0 1.4 0.7 1.9	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1	LOAD DESCRIPTIO SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERATO UNDERCOUNTER REF 84 UNDERBAR REFRIGERATO GLASS WASHER SPARE
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 27	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32	POLES 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST 15 20 15 20 15	A 0.6 0.8 0.6 0.6 1.4 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 1.2 0.2 0.7 0.7	C 0.8 0.6 1.4	NO L A 1.4 0.6 1.0 1.2 1.5	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6 0.7	A) C 1.5 1.0 1.4 0.7 1.9	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERATO UNDERCOUNTER REF 84 UNDERBAR REFRIGERATO GLASS WASHER SPARE SPARE SPARE
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER	POLES 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST	A 0.6 0.8 0.6 0.6 1.4 0.6 1.7 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0	C 0.8 0.6 1.4 1.7 0.6	NO L A 1.4 0.6 1.0 1.2 1.5 1.5	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6 0.7 0.7	A) C 1.5 1.0 1.4 0.7 1.9 1.9	ACCES AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERATO GLASS WASHER SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP	POLES 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20	A 0.6 0.8 0.6 0.6 1.4 0.6 1.7 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 0.7 0.7 0.7 0.7 0.7 0.7	C C 0.8 0.6 1.4 1.7 0.6 0.6	NO L A 1.4 0.6 1.0 1.2 1.5 1.5 1.9 0.8	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6 0.7 0.7	A) C 1.5 1.0 1.0 1.4 0.7 1.9 1.9 1.2	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 2	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERATO GLASS WASHER SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS KEF-5 KEF-1
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS	POLES 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20-ST 20 20 20 20 20 20 20 20 20 20 20	A 0.6 0.8 0.6 0.6 1.4 0.6 1.7 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0	C 0.8 0.8 0.6 1.4 1.7 0.6 1.3	NO L A 1.4 0.6 1.0 1.2 1.5 1.5 0.8	OAD (KVA PHASE B 1.4 1.0 1.0 1.4 0.6 0.7 0.7 1.5 1.5	A) C 1.5 1.0 1.0 1.4 0.7 1.9 1.9 1.2 0.9	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 2 3	LOAD DESCRIPTIO SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERATI GLASS FROSTER UNDERBAR REFRIGERATI GLASS WASHER SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS WAFFLE BAKERS UNDERCOUNTER FREEZER	POLES 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST 20	A 0.6 0.8 0.6 0.6 1.4 0.6 1.7 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0	C 0.8 0.6 1.4 1.7 0.6 1.3	NO L A 1.4 0.6 1.0 1.2 1.5 1.5 0.8 0.9	OAD (KVA PHASE B 1.4 1.4 1.0 1.4 0.6 0.7 0.7 1.5 0.8 0.8	A) C 1.5 1.0 1.4 0.7 1.9 1.9 1.2 0.9	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SSORIES: DCPD POLES 1 2 3	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERAT UNDERBAR REFRIGERAT GLASS WASHER SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 55 57 55 57 55 55 55 55 55	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS WAFFLE BAKERS UNDERCOUNTER FREEZER POP UP TOASTER PRESSURE FRYER	POLES 1 1 2 1	AMPS 20	A 0.6 0.8 0.6 0.6 1.4 0.6 1.7 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 1.2 0.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	C 0.8 0.6 1.4 1.7 0.6 1.7 1.7 1.7 1.7 1.2	NO L A 1.4 0.6 1.0 1.2 1.5 1.5 0.8 0.9	OAD (KVA PHASE B 1.4 1.4 1.0 1.4 0.6 0.7 0.7 0.7 1.5 0.8 0.8	A) C 1.5 1.0 1.0 1.4 0.7 1.9 1.9 1.2 0.9 0.8	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SSORIES: DCPD POLES 1 2 3 2	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERATI UNDERCOUNTER REF 84 UNDERBAR REFRIGERATI GLASS WASHER SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3
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CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS WAFFLE BAKERS UNDERCOUNTER FREEZER POP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE PRESSURE FRYER SHUNT TRIP SPACE PRESSURE FRYER SHUNT TRIP SPACE PRESSURE FRYER SHUNT TRIP SPACE PRESSURE FRYER SHUNT TRIP SPACE	POLES 1 1 2 1	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST 20-ST 20-ST	A 0.6 0.8 0.8 0.6 1.4 0.6 1.7 0.6 0.6 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.7 0.7 1.2 0.7 0.7 0.7 0.7 1.2 0.4 0.1 1.3 1.3 1.3	C C 0.8 0.8 0.6 1.4 1.7 1.7 0.6 1.3 1.3 1.2	NO L A 1.4 0.6 1.0 1.2 1.5 1.5 0.8 0.9 0.8 0.9 0.8	OAD (KVA PHASE B 1.4 1.4 1.0 1.4 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8	A) C 1.5 1.5 1.0 1.0 1.4 0.7 1.9 1.9 1.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SSORIES: DCPD POLES 1 2 3 2 3	LOAD DESCRIPTION SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERAT UNDERBAR REFRIGERAT GLASS WASHER SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-2 KEF-2
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS WAFFLE BAKERS UNDERCOUNTER FREEZER POP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE PRESSURE FRYER SHUNT TRIP SPACE	POLES 1 1 2 1 2	AMPS 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 30 20-ST 20-ST 20-ST 20-ST 20-ST 20-ST 20 20-ST	A 0.6 0.8 0.6 0.6 1.4 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.7 0.7 0.7 1.2 0.4 0.4 0.4 0.1 1.3 1.3 1.3 1.8 1.8	C C 0.8 0.8 0.6 1.4 1.7 1.7 0.6 1.3 1.3 1.2 1.2 1.4	NO L A 1.4 0.6 1.0 1.2 1.5 1.5 0.8 0.8 0.8 0.8	OAD (KVA PHASE B 1.4 1.0 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.8	A) C 1.5 1.0 1.0 1.0 1.4 0.7 1.9 1.9 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SSORIES: DCPD POLES 1 2 3 2 3 1 </td <td>LOAD DESCRIPTION SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERAT UNDERBAR REFRIGERAT GLASS WASHER SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3 KEF-2 KEF-4 EF-1 SPARE</td>	LOAD DESCRIPTION SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABIN DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE GRINDER GLASS FROSTER UNDERBAR REFRIGERAT UNDERBAR REFRIGERAT GLASS WASHER SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3 KEF-2 KEF-4 EF-1 SPARE
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CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 17 79 81 83 75 77 79 81 83 75 77 79 81 83 75 77 79 81 75 77 79 77 79 77 79 77 79 77 79 75 77 79 77 79 77 79 77 79 71 75 77 79 77 79 77 79 71 73 75 77 79 81 83 75 77 77 79 71 75 77 79 77 79 77 79 71 73 75 77 79 81 83 75 77 79 77 79 81 83 75 77 79 77 79 77 79 81 83 77 75 77 79 81 83 77 77 79 81 83 77 79 77 79 77 79 81 83 77 79 77 79 77 79 81 83 77 77 79 77 79 77 79 79 81 83 77 77 79 77 77 79 77 79 77 79 77 77	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS WAFFLE BAKERS UNDERCOUNTER FREEZER POP UP TOASTER POP UP TOASTER POP UP TOASTER POP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE CONVEYOR TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE SHUNT TRIP SPACE CONVEYOR TOASTER SHUNT TRIP SPACE SHUNT TRIP SPACE SHUNT TRIP SPACE CONVEYOR TOASTER DRAWER WARMER 56 SAND/SALAD REFRIGERATOR MICROWAVE HOT FOOD WELL HOT FOOD WELL HOT FOOD WELL HOT FOOD TABLE DRAWER WARMER 77 SPARE SUBTOTAL LOAD SUMMARY A/C MOTOR (MAX/RE OTHER MOTOR (MAX/RE COTHER MOT	POLES 1 1 2 1	CPD AMPS 20	A 0.6 0.8 0.8 0.6 0.6 1.4 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	C 0.8 0.8 0.6 0.6 1.4 0.6 1.4 0.6 1.7 0.6 1.7 0.6 1.2 1.3 1.2 1.3 1.2 1.3 1.2 1.4 0.5 0.7 10.7 10.7 1.25/1.00 1.25/1.00 1.25/1.00 1.25/1.00 1.25/1.00	NO	DAD (KVA PHASE B 1.4 1.4 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.8 0.8 0.9 0.9 0.9 0.9 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.8 0.8 0.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	A) C 1.5 1.0 1.0 1.4 0.7 1.9 1.9 0.9 0.8 0.8 0.8 0.8 0.8	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SSORIES: DCPD POLES 1	LOAD DESCRIPTION SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERATO GLASS WASHER SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-1 KEF-2 KEF-2 KEF-2 KEF-2 SPARE S
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 1 83 1 83 1 1 1 1 1 1 1 1 1 1 1 1 1	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS WAFFLE BAKERS UNDERCOUNTER FREEZER POP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE PRESSURE FRYER SHUNT TRIP SPACE BAKERS UNDERCOUNTER FREEZER POP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE CONVEYOR TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE DRAWER WARMER 56 SAND/SALAD REFRIGERATOR MICROWAVE HOT FOOD WELL HOT FOOD WELL HOT FOOD TABLE DRAWER WARMER 77 SPARE SUBTOTAL	POLES POLES POLES 1 1 1 2 1 1 1 1 1 1 1 1 1	AMPS 20 <td>A 0.6 0.8 0.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6</td> <td>OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0</td> <td>C 0.8 0.8 0.6 0.6 0.6 1.4 0.6 1.4 0.6 1.7 0.6 1.7 0.6 1.7 0.6 1.2 1.3 1.2 1.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7</td> <td>NO</td> <td>DAD (KVA PHASE B 1.4 1.4 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.8 0.8 0.8 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8</td> <td>A) C I.5 I.0 I.0 I.4 I.4 I.4 I.4 I.4 I.4 I.4 I.4 I.4 I.4</td> <td>ACCES AMPS 20 20 20 20 20 20 20 20 20 20</td> <td>SSORIES: DCPD POLES 1</td> <td>LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERATO GLASS WASHER SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-1 KEF-2 KEF-2 KEF-4 EF-1 SPARE SP</td>	A 0.6 0.8 0.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 1.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0.2 0	C 0.8 0.8 0.6 0.6 0.6 1.4 0.6 1.4 0.6 1.7 0.6 1.7 0.6 1.7 0.6 1.2 1.3 1.2 1.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	NO	DAD (KVA PHASE B 1.4 1.4 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.8 0.8 0.9 0.9 0.8 0.8 0.9 0.8 0.8 0.8 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	A) C I.5 I.0 I.0 I.4	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SSORIES: DCPD POLES 1	LOAD DESCRIPTIC SAND/SALAD PREP REF 6 SAND/SALAD PREP REF 6 MOBILE WARMING CABINI DRAIN TEMPERING KIT DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERATO GLASS WASHER SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-1 KEF-2 KEF-2 KEF-4 EF-1 SPARE SP
CIRC 1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51 53 55 57 59 61 63 65 67 69 71 73 75 77 79 81 83 	LOAD DESCRIPTION WALK-IN CLR LTS/HTR 1 COOLER EVAPORATOR 13 CLR REMOTE COMPRESSOR BEER LINE CHILLER BAG-N-BOX WALK-IN CLR LTS/HTR 13 COOLER EVAPORATOR 13 CLR REMOTE COMP 13.2 DOUBLE CONVECTION OVEN SHUNT TRIP SPACE EXH HOOD LTS/CONTROLS 17 REACH-IN FREEZER ICE MACHINE UNDERCOUNTER REF EXH HOOD LTS/CONTROLS 32 REF EQUIPMENT STAND FRYER SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS UNDERCOUNTER FREEZER DOP UP TOASTER POP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE HEAT LAMP WAFFLE BAKERS UNDERCOUNTER FREEZER DOP UP TOASTER PRESSURE FRYER SHUNT TRIP SPACE SHUNT TRIP SPACE SHUNT TRIP SPACE DRAWER WARMER 56 SAND/SALAD REFRIGERATOR MICROWAVE HOT FOOD WELL HOT FOOD TABLE	POLES 1 1 <td>AMPS 20 <td>A 0.6 0.8 0.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6</td><td>OAD (KVA PHASE B 0.2 0.2 1.2 0.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7</td><td>C C O.8 O.8 O.6 O.6 O.6 O.6 O.6 O.6 O.7 O.7 O.7 O.7 O.7 O.7 O.7 O.7 O.7 O.7</td><td>NO</td><td>DAD (KVA PHASE B 1.4 1.4 1.0 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.9 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8</td><td>A) C 1.5 1.5 1.0 1.0 1.4 0.7 1.9 1.9 0.7 1.9 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.8</td><td>ACCES AMPS 20 20 20 20 20 20 20 20 20 20</td><td>SORIES: DCPD POLES 1 <</td><td>LOAD DESCRIPTIC SAND/SALAD PREP REF 6: SAND/SALAD PREP REF 6: MOBILE WARMING CABINE DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERAT(UNDERBAR REFRIGERAT(GLASS WASHER SPARE SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3 KEF-1 KEF-2 KEF-4 EF-1 SPARE</td></td>	AMPS 20 <td>A 0.6 0.8 0.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6</td> <td>OAD (KVA PHASE B 0.2 0.2 1.2 0.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7</td> <td>C C O.8 O.8 O.6 O.6 O.6 O.6 O.6 O.6 O.7 O.7 O.7 O.7 O.7 O.7 O.7 O.7 O.7 O.7</td> <td>NO</td> <td>DAD (KVA PHASE B 1.4 1.4 1.0 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.9 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8</td> <td>A) C 1.5 1.5 1.0 1.0 1.4 0.7 1.9 1.9 0.7 1.9 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.8</td> <td>ACCES AMPS 20 20 20 20 20 20 20 20 20 20</td> <td>SORIES: DCPD POLES 1 <</td> <td>LOAD DESCRIPTIC SAND/SALAD PREP REF 6: SAND/SALAD PREP REF 6: MOBILE WARMING CABINE DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERAT(UNDERBAR REFRIGERAT(GLASS WASHER SPARE SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3 KEF-1 KEF-2 KEF-4 EF-1 SPARE</td>	A 0.6 0.8 0.8 0.6 0.6 0.6 0.6 0.6 0.6 0.6 0.6	OAD (KVA PHASE B 0.2 0.2 1.2 0.2 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7 0.7	C C O.8 O.8 O.6 O.6 O.6 O.6 O.6 O.6 O.7	NO	DAD (KVA PHASE B 1.4 1.4 1.0 1.0 1.0 0.6 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.9 0.9 0.9 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8 0.8	A) C 1.5 1.5 1.0 1.0 1.4 0.7 1.9 1.9 0.7 1.9 0.7 0.7 0.7 0.7 0.7 0.7 0.8 0.8 0.8 0.8 0.8	ACCES AMPS 20 20 20 20 20 20 20 20 20 20	SORIES: DCPD POLES 1 <	LOAD DESCRIPTIC SAND/SALAD PREP REF 6: SAND/SALAD PREP REF 6: MOBILE WARMING CABINE DRAIN TEMPERING KIT DROP-IN COLD PAN DROP-IN COLD PAN COOKER/ WARMER COFFEE/TEA BREWER COFFEE/TEA BREWER GLASS FROSTER UNDERBAR REFRIGERAT(UNDERBAR REFRIGERAT(GLASS WASHER SPARE SPARE SPARE SPARE SPARE SPARE HEAT LAMPS HEAT LAMPS HEAT LAMPS HEAT LAMPS KEF-5 KEF-1 KEF-3 KEF-1 KEF-2 KEF-4 EF-1 SPARE

	6		1		7		1		8			9	1		10	1
	•						•									-
			-											1		
ELE	ECTRICAL PANEL SC	HEDU	LE											1		
PAI	NEL P2													1		
	LOCATION:				MAI	IN OCPD:	MLO			S	ECTIONS	: 1 - 42 CIRCUIT		1		
	VOLIAGE: PHASE/M/IRE	208 Y/120 3 PH / 4) V M/	M	AIN BUS	MIN AIC	100 A 18 000 A	4		NELIT	UND BUS RAL RUS	· EQUIPMENT GROUND BUS		1		
	MOUNTING:	SURFAC	E	SER	VICE EN	TRANCE:	NO	•		ACCE	SSORIES	: 100/8 NEO INAL :		1		
		C	CPD		LOAD (KV	A)		LOAD (KV/	A)	(CPD			1		
			1		PHASE	/		PHASE	,			1		1		
										1				1		
IRC	LOAD DESCRIPTION	POLES	AMPS	A	В	С	A	В	С	AMPS	POLES	LOAD DESCRIPTION	CIRC	1		
1	KITCHEN MONITORS	1	20	1.1			1.3			20	1	RECEPTION/VEST REC	2	1		
3	OFFICE RECEPTS	1	20		0.9			1.1		20	1	KITCHEN RECEPTS	4	1		
5	HAND DRYER	1	20			1.5			1.5	20	1	HAND DRYER	6	1		
7	MEZZANINE RECEPTS	1	20	1.6			0.5			20	1	FACP	8	1		
9	I.T. RECEPT	1	20		1.0			1.0		20	1	I.T. RECEPT	10	1		
11	EXTERIOR SIGNS	1	20			1.3			1.0	20	1	EXTERIOR SIGN	12	1		
3	ROOF RECEPTS	1	20	0.5			0.4			20	1	PICKUP POS	14	1		
5	PICKUP SODA	1	20		1.2			0.7		20	1	ROOF RECEPTS	16	1		
7	REACH IN REF/KIT/VEST REC	1	20			1.1			1.6	20	1	MIXER/SHEETER/SLICER	18	1		
9		1	20	1.1			1.2	0.4		20	1	PATIO REC/HEATERS	20	1		
21		1	20		1.4	0.7		0.4	1.4	20	1		22	1		
23		1	20	0.4		0.7	13		1.4	20	1	BAD SEATING PEC	24	1		
27		1	20	0.4	14		1.5	14		20	1		20	1		
29		1	20		1.4	11		1.4	14	20	1	MEZZ SHADES	30	1		
31	SPARE	1	20							20	1	SPARE	32	1		
33	SPARE	1	20							20	1	SPARE	34	1		
35	SPARE	1	20							20	1	SPARE	36	1		
37	SPARE	1	20							20	1	SPARE	38	1		
39	SPARE	1	20							20	1	SPARE	40	1		
41	SPARE	1	20							20	1	SPARE	42	1		
5	SUBTOTAL			4.7	6.0	5.7	4.6	4.7	6.9			SUBTOTAL		1		
	LOAD SUMMARY		CONN LOAD	ECTED (KVA)	DEMAND	D FACTOR	DEMAN (K	ND LOAD (VA)						1		
	A/C MOTOR (MAX/RE	EMAINDER))			1.25/1.00				CC	ONN. AMPS	: 90.2		1		
	OTHER MOTOR (MAX/RE	EMAINDER))	6.8		1.25/1.00		7.5		DEM	AND AMPS	: 76.5		1		
	RECEPTACLES (0-10KVA/RE	EMAINDER)		20.0		1.00/0.50		15.0						1		
		LIGHTS	;	2.3		1.25		2.8			NOTES:			1		
		HEAT	•			1.00								1		
		OTHER	-	_		1.00								1		
_		KITCHEN		3.5		0.65		2.2	-					1		
		TOTAL		32.5				27.6				ST - SHUNT TRIP		1		

PANEL LP NOTE: BRANCH CIRCUIT BREAKERS ARE INTEGRAL TO THE LIGHTING CONTROL PANEL. REFER TO THE LIGHTING PLANS FOR ADDITIONAL INFORMATION

12____

NOTE: ALL FEEDERS SIZES ARE BASED ON

ALUMINUM CONDUCTORS EXCEPT WHERE

FEEDER SCHEDULE

TAG CONDUCTORS AND CONDUIT

S800 3 SETS (4)#400,3-1/2"C

P200 (4)#250,#4G,2-1/2"C

G800 #2/0G,1"C (COPPER)

NOTED AS COPPER

P100 (4)#1,#6G,2"C

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p 816.304.7416

pminto@urbanprairiekc.com Missouri Certificate of Authority: #

REVISIONS 04.16.2021 1 Bid/Permit Set

PROJECT NUMBER: ISSUE DATE:

Electrical Schedules

E202

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20-033 10 March, 2021

	1 2	3 4 5	6 7	8
	ELECTRICAL SPECIFICATIONS	(100 mm) thick or greater. Do not use for anchorage to lightweight-aggregate concrete or for slabs less than 4 inches (100 mm) thick.	support. Arrange raceways to cross building expansion joints at right angles with expansion	8.ENCLOSED SWITC
	1.COMMON WORK RESULTS FOR ELECTRICAL	To Steel: Beam clamps (MSS Type 19, 21, 23, 25, or 27) complying with MSS SP-69.	fittings. Change from ENT to RNC, Type EPC-40-PVC, rigid steel conduit, or IMC before	QUALITY ASSUF Product Selectior
	COORDINATION Coordinate arrangement, mounting, and support of electrical equipment:	To Light Steel: Sheet metal screws. Items Mounted on Hollow Walls and Nonstructural Building Surfaces: Mount	rising above the floor. Raceway Terminations at Locations Subject to Moisture or Vibration: Use insulating	enclosed switche adjacent surfaces
J	To allow maximum possible headroom unless specific mounting heights that reduce headroom are indicated.	cabinets, panelboards, disconnect switches, control enclosures, pull and junction boxes, transformers, and other devices on slotted-channel racks attached to	bushings to protect conductors, including conductors smaller than No. 4 AWG. Install pull wires in empty raceways. Use polypropylene or monofilament plastic line with	Electrical Compo NFPA 70, by a qu
	To provide for ease of disconnecting the equipment with minimum interference to other installations.		not less than 200-lb (90-kg) tensile strength. Leave at least 12 inches (300 mm) of slack at each end of pull wire.	Comply with NFP COORDINATION
	To allow right of way for piping and conduit installed at required slope. So connecting raceways, cables, wireways, cable trays, and busways will be clear of	4. CONDUCTORS AND CABLES	Raceways for Optical Fiber and Communications Cable: Install raceways, metallic and nonmetallic, rigid and flexible, with a maximum of two 90-degree bends or equivalent for	Coordinate layou and adjacent surf
	Coordinate location of access panels and doors for electrical items that are behind finished surfaces or otherwise concealed	Electrical Components, Devices, and Accessories: Listed and labeled as defined in NEPA 70. Article 100, by a testing agency acceptable to authorities having jurisdiction	with pull or junction boxes or terminations at distribution frames or cabinets where	
	PRODUCTS	and marked for intended use. Comply with NEPA 70	Flexible Conduit Connections: Use maximum of 72 inches (1830 mm) of flexible conduit for recessed and semirecessed lighting fixtures, equipment subject to vibration, poise	
	SLEEVE SEALS Description: Modular sealing device, designed for field assembly, to fill annular space	PRODUCTS	transmission, or movement; and for transformers and motors. Use LFMC in damp or wet locations subject to severe physical damage.	Manufacturers: S
	between sleeve and raceway or cable. Manufacturers:	CONDUCTORS AND CABLES	Use LFMC or LFNC in damp or wet locations not subject to severe physical damage. Recessed Boxes in Masonry Walls: Saw-cut opening for box in center of cell of masonry	Eaton Electr General Elec
Н	Advance Products & Systems, Inc. Calpico, Inc.	Manufacturers: Subject to compliance with requirements, provide products by one of the following:	block, and install box flush with surface of wall.	Siemens En Square D; a
	Metraflex Co. Pipeline Seal and Insulator, Inc.	Alcan Products Corporation; Alcan Cable Division. American Insulated Wire Corp.; a Leviton Company.	6.WIRING DEVICES	Type GD, Genera NEMA KS 1, hors
	Sealing Elements: EPDM interlocking links shaped to fit surface of cable or conduit. Include type and number required for material and size of raceway or cable.	General Cable Corporation. Senator Wire & Cable Company.	QUALITY ASSURANCE Electrical Components, Devices, and Accessories: Listed and labeled as defined in	fuses, lockable h in closed position
	Connecting Bolts and Nuts: Stainless steel of length required to secure pressure plates	Southwire Company. Copper Conductors: Comply with NEMA WC 70. Conductor Insulation: Comply with NEMA WC 70 for Type THEN THWN	NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.	Accessories: Equipment (
	EXECUTION	Multiconductor Cable: Comply with NEMA WC 70 for metal-clad cable, Type MC with around wire	COORDINATION Receptacles for Owner-Eurnished Equipment: Match plug configurations	Lugs: Mech
	COMMON REQUIREMENTS FOR ELECTRICAL INSTALLATION	CONNECTORS AND SPLICES Available Manufacturers: Subject to compliance with requirements, manufacturers	Cord and Plug Sets: Match equipment requirements.	Enclosed Switche UL 50, to comply
	Comply with NECA 1. SLEEVE INSTALLATION FOR ELECTRICAL PENETRATIONS	offering products that may be incorporated into the Work include, but are not limited to, the following:	PRODUCTS	Indoor, Dry a Outdoor Loo
	Electrical penetrations occur when raceways, cables, wireways, cable trays, or busways penetrate concrete slabs, concrete or masonry walls, or fire-rated floor and wall	AFC Cable Systems, Inc. Hubbell Power Systems, Inc.	STRAIGHT BLADE RECEPTACLES Convenience Receptacles, 125 V, 20 A: Comply with NEMA WD 1, NEMA WD 6	EXECUTION
G	assemblies. Concrete Slabs and Walls: Install sleeves for penetrations unless core-drilled holes or	O-Z/Gedney; EGS Electrical Group LLC. 3M; Electrical Products Division.	configuration 5-20R, and UL 498. Products: Subject to compliance with requirements, provide one of the following:	INSTALLATION
	formed openings are used. Install sleeves during erection of slabs and walls. Use pipe sleeves unless penetration arrangement requires rectangular sleeved opening.	Tyco Electronics Corp. Description: Factory-fabricated connectors and splices of size, ampacity rating, material,	Cooper; 5351 (single), 5352 (duplex). Hubbell; HBL5351 (single), CR5352 (duplex).	Install individual v unless otherwise
	assemblies unless openings compatible with firestop system used are fabricated during	type, and class for application and service indicated.	Pass & Seymour; 5381 (single), 5352 (duplex).	
	Cut sleeves to length for mounting flush with both surfaces of walls. Interior Penetrations of Non-Fire-Rated Walls and Floors: Seal annular space between		Duplex GFCI Convenience Receptacles, 125 V, 20 A: Products: Subject to compliance with requirements, provide one of the following:	SUBMITTALS
	sleeve and raceway or cable, using joint sealant appropriate for size, depth, and location of joint.	Feeders: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.	Cooper; GF20. Pass & Seymour: 2084.	Product Data: Fo
	Fire-Rated-Assembly Penetrations: Maintain indicated fire rating of walls, partitions, ceilings, and floors at raceway and cable penetrations. Install sleeves and seal raceway	Branch Circuits: Copper. Solid for No. 10 AWG and smaller; stranded for No. 8 AWG and larger.	Hubbell Equal Leviton Equal	dimensions and r characteristics, ra
	and cable penetration sleeves with firestop materials. Roof-Penetration Sleeves: Seal penetration of individual raceways and cables with	CONDUCTOR INSULATION AND MULTICONDUCTOR CABLE APPLICATIONS AND WIRING METHODS	SNAP SWITCHES Switches, 120/277 V, 20 A:	Operation and Ma emergency, oper
F	flexible boot-type flashing units applied in coordination with roofing work. Aboveground, Exterior-Wall Penetrations: Seal penetrations using steel pipe sleeves and	Service Entrance, Feeders: Type THHN-THWN, single conductors in raceway. Branch Circuits Concealed in Concrete, below Slabs-on-Grade, and Underground:	Products: Subject to compliance with requirements, provide one of the following: Cooper; 2221 (single pole), 2222 (two pole), 2223 (three way), 2224 (four way).	QUALITY ASSUF Source Limitation
	mechanical sleeve seals. Select sleeve size to allow for 1-inch (25-mm) annular clear space between pipe and sleeve for installing mechanical sleeve seals.	Type THHN-THWN, single conductors in raceway. Branch Circuits not Concealed in Concrete: Type THHN-THWN, single conductors in	Hubbell; CS1221 (single pole), CS1222 (two pole), CS1223 (three way), CS1224 (four way).	and accessories Product Selectior
	Underground, Exterior-Wall Penetrations: Install cast-iron pipe sleeves. Size sleeves to allow for 1-inch (25-mm) annular clear space between raceway or cable and sleeve for installing machanical cleave people.	raceway or Metal-clad Cable, Type MC. INSTALLATION OF CONDUCTORS AND CABLES	Leviton; 1221-2 (single pole), 1222-2 (two pole), 1223-2 (three way), 1224-2 (four way).	panelboards incluite items. Comply w
	SLEEVE-SEAL INSTALLATION	Install exposed cables parallel and perpendicular to surfaces of exposed structural members, and follow surface contours where possible.	Pass & Seymour; 20AC1 (single pole), 20AC2 (two pole), 20AC3 (three way), 20AC4 (four way).	NFPA 70, by a qu Comply with NEM
	FIRESTOPPING Apply firestopping to penetrations of fire-rated floor and wall assemblies for electrical	Identify and color-code conductors and cables according to Section "Hangers and Supports for Electrical Systems "	Dimmer Switches: Modular, full-wave, solid-state units with integral, quiet on-off switches, with audible frequency and EMI/REI suppression filters	
	installations to restore original fire-resistance rating of assembly.	5.RACEWAYS AND BOXES	Control: Continuously adjustable slider; with single-pole or three-way switching. Comply with UI 1472. Coordinate dimmer type with light source controlled and coordinate	Coordinate layou that penetrates w
	2.GROUNDING AND BONDING	QUALITY ASSURANCE	capacity with connected load. WALL PLATES	equipment, racev adjacent surfaces
F	QUALITY ASSURANCE Electrical Components, Devices, and Accessories: Listed and labeled as defined in	Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction,	Single and combination types to match corresponding wiring devices. Plate-Securing Screws: Metal with head color to match plate finish.	equipment acces WARRANTY
L	NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.	and marked for intended use. Comply with NFPA 70.	Material for Finished Spaces: Smooth, high-impact thermoplastic. Material for Unfinished Spaces: Galvanized steel.	Special Warranty or replace transie
	Comply with UL 467 for grounding and bonding materials and equipment.	PRODUCTS	Material for Damp Locations: Cast aluminum with spring-loaded lift cover, and listed and labeled for use in "wet locations."	within specified w Completion.
	PRODUCTS	METAL CONDUIT AND TUBING	Wet-Location, Weatherproof Cover Plates: NEMA 250, complying with type 3R weather-resistant, die-cast aluminum with lockable cover.	EXTRA MATERI/ Keys: Two spare
	Insulated Conductors: Copper wire or cable insulated for 600 V unless otherwise required by applicable Code or authorities having jurisdiction	following: Allied Tube & Conduit: a Tyco International Ltd. Co	EXECUTION	PRODUCTS
	Bare Copper Conductors: Solid Conductors: ASTM B 3.	O-Z Gedney; a unit of General Signal. Wheatland Tube Company.	INSTALLATION Arrangement of Devices: Unless otherwise indicated, mount flush, with long dimension	GENERAL REQU Manufacturers: S
	Stranded Conductors: ASTM B 8.	Fittings for Conduit (Including all Types and Flexible and Liquidtight), EMT, and Cable: NEMA FB 1; listed for type and size raceway with which used, and for application and	vertical and with grounding terminal of receptacles on top. Group adjacent switches under single, multigang wall plates.	following: Eaton Electr
	EXECUTION	environment in which installed. Conduit Fittings for Hazardous (Classified) Locations: Comply with UL 886.	Mounting Heights. Mount devices at the following heights above finished floor unless noted otherwise.	General Elec Siemens En
D	APPLICATIONS Conductors: Install solid conductor for No. 8 AWG and smaller, and stranded conductors	Fittings for EMT: Steel or die-cast, set-screw or compression type for concealed locations. Steel or die-cast, compression type for exposed locations.	Receptacles and communications outlets: 18" to center of device. Above counter receptacles and communications outlets: 5" above the backsplash or	Square D; a Enclosures:
	for No. 6 AWG and larger, unless otherwise indicated. Grounding Bus: Install in electrical and telephone equipment rooms, in rooms housing	NONMETALLIC CONDULT AND TUBING Manufacturers: Subject to compliance with requirements, provide products by one of the	counter top, whichever is higher. Switches: 46" to center of device.	Rated for en Indoor Dry a
	(25 mm), minimum, from wall 6 inches (150 mm) above finished floor, unless otherwise indicated.	CANTEX Inc. CertainTeed Corp · Pine & Plastics Group	7.LIGHTING CONTROL DEVICES	Outdoor Loc Other Wet o Finishes
	EQUIPMENT GROUNDING Install insulated equipment grounding conductors with all feeders and branch circuits	RACO; a Hubbell Company. Thomas & Betts Corporation	QUALITY ASSURANCE Electrical Components, Devices, and Accessories: Listed and labeled as defined in	Panels and with manufa
	3.HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS	BOXES, ENCLOSURES, AND CABINETS Manufacturers: Subject to compliance with requirements, provide products by one of the	NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.	thermosettin Back Boxes:
	QUALITY ASSURANCE	following: Hoffman.	COORDINATION Coordinate layout and installation of ceiling-mounted devices with other construction that	Phase, Neutral, a Material: Ha
	Comply with NFPA 70.	Hubbell Incorporated; Killark Electric Manufacturing Co. Division. O-Z/Gedney; a unit of General Signal.	penetrates ceilings or is supported by them, including light fixtures, HVAC equipment, smoke detectors, fire-suppression system, and partition assemblies.	Equipment C grounding co
С	PRODUCTS	RACO; a Hubbell Company. Thomas & Betts Corporation.	PRODUCTS	Conductor Conne Material: Ha
	SUPPORT, ANCHORAGE, AND ATTACHMENT COMPONENTS Raceway and Cable Supports: As described in NECA 1 and NECA 101.	vvalker Systems, Inc.; Wiremold Company (The).	TIME SWITCHES Basis of Design Broduct: Subject to compliance with requirements and the film	Main and Ne Ground Lugs
	associated fittings, designed for types and sizes of raceway or cable to be supported.		indicated on Drawings or a comparable product by one of the following:	Locate at op
	threaded body and insulating wedging plug or plugs for non-armored electrical conductors or cables in riser conduits. Plugs shall have number, size, and shape of conductor	Outdoors: Apply raceway products as specified below, unless otherwise indicated: Exposed and Concealed Conduit: Rigid steel conduit	Square D; Schneider Electric. TORK.	load centers with devices.
	gripping pieces as required to suit individual conductors or cables supported. Body shall be malleable iron.	Underground Conduit: RNC, Type EPC-40-PVC, direct buried. Connection to Vibrating Equipment (Including Transformers and Hvdraulic.	Watt Stopper (The). Electronic Time Switches: Electronic, solid-state programmable units with alphanumeric	Panelboard Short or remote upstrea
	EXECUTION	Pneumatic, Electric Solenoid, or Motor-Driven Equipment): LFNC. Boxes and Enclosures, Aboveground: NEMA 250, Type 3R.	display; complying with UL 917. Contact Configuration: SPST.	and type of allow series-connected
	APPLICATION	Comply with the following indoor applications, unless otherwise indicated: Exposed: EMT.	Contact Rating: 20-A ballast load, 120/240-V ac. Program: 2 on-off set points on a 24-hour schedule, allowing different set points for	LIGHTING AND / Mains: Circuit bro
R	Comply with NECA 1 and NECA 101 for application of hangers and supports for electrical equipment and systems except if requirements in this Section are stricter.	Concealed in Ceilings and Interior Walls and Partitions: EMT, unless MC allowed per "Conductors and Cables" section.	each day of the week. Circuitry: Allow connection of a photoelectric relay as substitute for on-off function of	Branch Overcurre disturbing adjace
	for EMT, IMC, and RMC as required by NFPA 70. Minimum rod size shall be 1/4 inch (6 mm) in diameter	Connection to vibrating Equipment (including Transformers and Hydraulic, Pneumatic, Electric Solenoid, or Motor-Driven Equipment): FMC, except use LFMC in damp or wet locations	a program. Astronomic Time: All channels. Battery Backup: For schedules and time clock	EXECUTION
	Multiple Raceways or Cables: Install trapeze-type supports fabricated with steel slotted support system, sized so capacity can be increased by at least 25 percent in future	Damp or Wet Locations: Rigid steel conduit. Raceways for Optical Fiber or Communications Cable: FMT	OUTDOOR PHOTOELECTRIC SWITCHES Basis-of-Design Product: Subject to compliance with requirements, provide a product by	INSTALLATION
	without exceeding specified design load limits. Secure raceways and cables to these supports with two-bolt conduit clamps.	Boxes and Enclosures: NEMA 250, Type 1, except use NEMA 250, Type 4, nonmetallic in damp or wet locations.	one of the following: Intermatic, Inc.	Mount top of trim Mount panelboard
	SUPPORT INSTALLATION Comply with NECA 1 and NECA 101 for installation requirements except as specified in	Minimum Raceway Size: 1/2-inch (16-mm) trade size. Do not install aluminum conduits in contact with concrete.	Square D; Schneider Electric. TORK.	panelboards with Install filler plates
	this Article. Raceway Support Methods: In addition to methods described in NECA 1, EMT, IMC, and	INSTALLATION Comply with NECA 1 for installation requirements applicable to products specified in	Watt Stopper (The). Description: Solid state, with SPST dry contacts rated for 1800 VA to operate connected	Comply with NEC
	RMC may be supported by openings through structure members, as permitted in NFPA 70.	Part 2 except where requirements on Drawings or in this Article are stricter. Keep raceways at least 6 inches (150 mm) away from parallel runs of flues and steam or bet water rings - least 1 house of the	load, relay, or contactor coils; complying with UL 773. Light-Level Monitoring Range: 1.5 to 10 fc (16.14 to 108 lx), with an adjustment for	Panelboard Nam requirements for
	mounting and Anchorage of Surface-Mounted Equipment and Components: Anchor and fasten electrical items and their supports to building structural elements by the following methods unless otherwise indicated by code:	not-water pipes. Install horizontal raceway runs above water and steam piping. Support raceways as specified in "Hangers and Supports for Electrical Systems." Arrange stub ups so guided portions of bonds are not visible above the finisher to be	turn-on and turn-off levels within that range. Time Delay: 30-second minimum, to prevent false operation.	10. LIGHTING
А	To Wood: Fasten with lag screws or through bolts. To New Concrete: Bolt to concrete inserts	Analye slup-ups so curved portions of bends are not visible above the finished slab. Install no more than the equivalent of three 90-degree bends in any conduit run except for communications conduits, for which fewer bends are allowed	Mounting: Twist lock complying with IEEE C136.10, with base.	SUBMITTALS Product Data: Fo
	To Masonry: Approved toggle-type bolts on hollow masonry units and expansion anchor fasteners on solid masonry units.	Conceal conduit and EMT within finished walls, ceilings, and floors, unless otherwise indicated.	EXECUTION	Include data on fe Physical des
	To Existing Concrete: Expansion anchor fasteners. Instead of expansion anchors, powder-actuated driven threaded studs provided with	Raceways Embedded in Slabs: Run conduit larger than 1-inch (27-mm) trade size, parallel or at right angles to main	FIELD QUALITY CONTROL Operational Test: Verify operation of each lighting control device, and adjust time delays.	Emergency l Ballast.
	lock washers and nuts may be used in existing standard-weight concrete 4 inches	reinforcement. Where at right angles to reinforcement, place conduit close to slab		Energy-effic
			I Y I I	U

NCLOSED SWITCHES	

ALITY ASSURANCE

duct Selection for Restricted Space: Drawings indicate maximum dimensions for losed switches and circuit breakers, including clearances between enclosures, and acent surfaces and other items. Comply with indicated maximum dimensions. ctrical Components, Devices, and Accessories: Listed and labeled as defined in PA 70, by a qualified testing agency, and marked for intended location and application. nply with NFPA 70. ORDINATION

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ordinate layout and installation of switches and components with equipment served adjacent surfaces. Maintain required workspace clearances and required clearances equipment access doors and panels.

UCTS

SIBLE AND NONFUSIBLE SWITCHES

ufacturers: Subject to compliance with requirements, provide products by one of the wing:

- Eaton Electrical Inc.; Cutler-Hammer Business Unit. General Electric Company; GE Consumer & Industrial - Electrical Distribution. Siemens Energy & Automation, Inc.
- Square D; a brand of Schneider Electric.
- e GD, General Duty, Single Throw, 240-V ac, 800 A and Smaller: UL 98 and MA KS 1, horsepower rated, with cartridge fuse interiors to accommodate indicated , lockable handle with capability to accept two padlocks, and interlocked with cover losed position.

essories: Equipment Ground Kit: Internally mounted and labeled for copper and aluminum ground conductors.

Lugs: Mechanical type, suitable for number, size, and conductor material. LOSURES

losed Switches and Circuit Breakers: NEMA AB 1, NEMA KS 1, NEMA 250, and 50, to comply with environmental conditions at installed location. Indoor, Dry and Clean Locations: NEMA 250, Type 1.

Outdoor Locations: NEMA 250, Type 3R.

UTION

all individual wall-mounted switches and circuit breakers with tops at uniform height ess otherwise indicated. nply with NECA 1.

BOARDS

duct Data: For each type of panelboard, switching and overcurrent protective device, sient voltage suppression device, accessory, and component indicated. Include ensions and manufacturers' technical data on features, performance, electrical acteristics, ratings, and finishes.

ration and Maintenance Data: For panelboards and components to include in rgency, operation, and maintenance manuals ALITY ASSURANCE

rce Limitations: Obtain panelboards, overcurrent protective devices, components, accessories from single source from single manufacturer.

duct Selection for Restricted Space: Drawings indicate maximum dimensions for elboards including clearances between panelboards and adjacent surfaces and other . Comply with indicated maximum dimensions.

trical Components, Devices, and Accessories: Listed and labeled as defined in A 70, by a qualified testing agency, and marked for intended location and application. nply with NEMA PB 1.

nply with NFPA 70. RDINATION

rdinate layout and installation of panelboards and components with other construction penetrates walls or is supported by them, including electrical and other types of pment, raceways, piping, encumbrances to workspace clearance requirements, and acent surfaces. Maintain required workspace clearances and required clearances for pment access doors and panels.

RRANTY cial Warranty: Manufacturer's standard form in which manufacturer agrees to repair eplace transient voltage suppression devices that fail in materials or workmanship

n specified warranty period. Warranty Period: Five years from date of Substantial pletion. **FRA MATERIALS**

: Two spares for each type of panelboard cabinet lock.

UCTS

VERAL REQUIREMENTS FOR PANELBOARDS

ufacturers: Subject to compliance with requirements, provide products by one of the

Eaton Electrical Inc.; Cutler-Hammer Business Unit. General Electric Company; GE Consumer & Industrial - Electrical Distribution.

- Siemens Energy & Automation, Inc.
- Square D; a brand of Schneider Electric.

Enclosures: Flush- and surface-mounted cabinets as scheduled.

- Rated for environmental conditions at installed location.
- Indoor Dry and Clean Locations: NEMA 250, Type 1.
- Outdoor Locations: NEMA 250, Type 3R.
- Other Wet or Damp Indoor Locations: NEMA 250, Type 4.

Panels and Trim: Steel, factory finished immediately after cleaning and pretreating with manufacturer's standard two-coat, baked-on finish consisting of prime coat and thermosetting topcoat.

Back Boxes: Galvanized steel.

se, Neutral, and Ground Buses: Material: Hard-drawn copper, 98 percent conductivity.

Equipment Ground Bus: Adequate for feeder and branch-circuit equipment grounding conductors; bonded to box.

nductor Connectors: Suitable for use with conductor material and sizes.

Material: Hard-drawn copper, 98 percent conductivity.

Main and Neutral Lugs: Mechanical type.

Ground Lugs and Bus-Configured Terminators: Mechanical type. Feed-Through Lugs: Mechanical type, suitable for use with conductor material.

Locate at opposite end of bus from incoming lugs or main device. vice Equipment Label: NRTL labeled for use as service equipment for panelboards or

centers with one or more main service disconnecting and overcurrent protective elboard Short-Circuit Current Rating: Rated for series-connected system with integral

emote upstream overcurrent protective devices and labeled by an NRTL. Include size type of allowable upstream and branch devices, listed and labeled for es-connected short-circuit rating by an NRTL.

HTING AND APPLIANCE BRANCH-CIRCUIT PANELBOARDS

ns: Circuit breaker or lugs only as scheduled.

nch Overcurrent Protective Devices: Bolt-on circuit breakers, replaceable without urbing adjacent units.

TALLATION

Il panelboards and accessories according to NEMA PB 1.1. nt top of trim 90 inches (2286 mm) above finished floor unless otherwise indicated. unt panelboard cabinet plumb and rigid without distortion of box. Mount recessed elboards with fronts uniformly flush with wall finish and mating with back box. Il filler plates in unused spaces. nply with NECA 1. NTIFICATION elboard Nameplates: Label each panelboard with a nameplate complying with

irements for identification specified in Section "Electrical Identification."

BMITTALS duct Data: For each type of lighting fixture, arranged in order of fixture designation. ude data on features, accessories, finishes, and the following: Physical description of lighting fixture including dimensions. Emergency lighting units including battery and charger. Ballast. Energy-efficiency data.

Photometric data, in IESNA format, based on laboratory tests of each lighting fixture type, outfitted with lamps, ballasts, and accessories identical to those indicated for the lighting fixture as applied in this Project. Operation and Maintenance Data: For lighting equipment and fixtures to include in emergency, operation, and maintenance manuals.					
QUALITY ASSURANCE					
NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked for intended use.					
Comply with NFPA 70.					
Coordinate layout and installation of lighting fixtures and suspension system with other construction that penetrates ceilings or is supported by them, including HVAC equipment, fire-suppression system, and partition assemblies.					

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EXECUTION

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INSTALLATION

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- Support for Lighting Fixtures in or on Grid-Type Suspended Ceilings: Use grid as a support element.
- Install a minimum of four ceiling support system rods or wires for each fixture. Locate not more than 6 inches (150 mm) from lighting fixture corners. Support Clips: Fasten to lighting fixtures and to ceiling grid members at or near each fixture corner with clips that are UL listed for the application. Fixtures of Sizes Less Than Ceiling Grid: Install as indicated on reflected ceiling plans or center in acoustical panel, and support fixtures independently with at least two 3/4-inch (20-mm) metal channels spanning and secured to ceiling tees. Install at least one independent support rod or wire from structure to a tab on lighting fixture. Wire or rod shall have breaking strength of the weight of fixture at a safety factor of 3.

Missouri Certificate of Authority: # PROJECT NUMBER: 10 March, 2021 ISSUE DATE:

REVISIONS	DATE
1 Bid/Permit Set	04.16.2021

Electrical Specifications

THIS DOCUMENT WAS ORGINALLY PRINTED ON A 24" x 36" SIZE SHEET

SCALE	: 1/4"	=	1'-0"

				KITCHEN				KITCHEN															
	ITEM NUMBER	ατγ	BY VENDOR	DESCRIPTION	ITEM NUMBER	атy	BY VENDOR	DESCRIPTION															
	1	1	-	WALK-IN BEER COOLER	27.2	1	Х	WATER FILTER (BY OTHERS)															
	1.1	1	-	BEER COOLER EVAPORATOR	27.3	1	Х	REMOTE COMPRESSOR (BY OTHERS)															
	1.2	1	-	BEER COOLER REMOTE COMPRESSOR	28	1	9 <u></u>	FLOOR TROUGH															
	2	LT	-	STORAGE SHELVING	29	1	-	HIGH SPEED VENTLESS OVEN															
	2.1	LT	-	KEG RACKS	30	1	ł	UNDERCOUNTER REFRIGERATOR															
	3	-	-	OPEN #	30.1	н	-	DOUBLE OVERSHELF															
	4	1	-	COMPRESSOR RACK, 2-TIER	31	н	Ŧ	OPEN #															
	5	1	-	MEAT MARINATOR, MOBILE	32	1	Х	EXHAUST HOOD & SYSTEMS - (BY OTHERS)															
	6	LT	X	CO2 - (BY OTHERS)	33	1	9 <u>111</u>	REFRIGERATED EQUIPMENT STAND															
	7	1	X	GLYCOL PUMP - (BY OTHERS)	34	1	ान्त	HOT PLATE, 6-BURNER															
	7.1	1	X	WALL SHELF (BY OTHERS)	35		-	OVERSHELF															
	8	LT	Х	BAG-N-BOX - (BY OTHERS)	36	1	ात्त	GRIDDLE															
	9	2	-	WORKTABLES	37	1	1.577	CHEESE MELTER															
	10	LT	-	WALL GRID SHELVING	38	1		FRYERS, BATTERY OF 3															
	11	1	-	SLICER	39	1	-	HEAT LAMP															
	12	LT	_	STORAGE SHELVING	40	1	-	WORKTABLE															
	13	1	-	WALK-IN COOLER	41	2	-	WAFFLE BAKERS															
	13.1	2	-	COOLER EVAPORATOR	42	1	-	UNDERCOUNTER FREEZER															
	13.2	1	-	COOLER REMOTE COMPRESSOR	43	1	-	TOASTER															
	14	2	-	PAN RACKS	44	-	12	OPEN #															
	15	LT	-	COOLER SHELVING	45	1	-	LANDING TABLE															
	16	1	-	DOUBLE CONVECTION OVEN	46	1	-	WORKTABLE															
	17	1	X	EXHAUST HOOD & SYSTEMS - (BY OTHERS)	47	2	Х	PRESSURE FRYERS															
	18	1	-	6-BURNER HOT PLATE	48	1	-	BREADING STATION															
	19	1	-	WORKTABLE	50	1	-	WORKTABLE															
	20	_	-	OPEN #	51	1		BROILER - (WOOD)															
	21	1	_	MIXER	52	1	X	EXHAUST HOOD, FAN & MUA/ FIRE SYSTEM															
	21.1	1	-	MIXER STAND, MOBILE	53	12	-	OPEN #															
	22	1	-	PREP TABLE W/ SINKS, FAUCET & CAN OPENER	54	1	-	DOUGH SHEETER															
	23	2	-	WALL GRID SHELVING	55	1	-	TOASTER - (CONVEYOR)															
	34		X	HAND SINK - (BY OTHERS)	56	1		DRAWER WARMER															
	24.1	3	X	HAND SINKS - (BY OTHERS)	57	1	~	REFRIGERATOR, SANDWICH/ SALAD PREP															
"ha	25	1	-	REACH-IN REFRIGERATOR	58	1	7 1	MICROWAVE															
	26	1	-	REACH-IN FREEZER	59	1	-	WORKTABLE															
	27	1	X	ICE MACHINE - (BY OTHERS)	60	1	-	HOT FOOD WELL															
	27.1	1	X	ICE BIN - (BY OTHERS)	61	1		HOT FOOD TABLE															
				KITCHEN	ELEC	CTRICAL						PLU	JM BIN	NG									
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												SUP	PLY			DRAIN	S			GAS			
	TEM NUMBER	aty	BY VENDOR	DESCRIPTION	/OLTAGE	HASE AMPS		DIRECT	UEMA	OCATIONS	AFF	FILTERED	SOLD "A"	B LOT AF	==	OCATIONS	NDIRECT "C"	AFF	sizE	3TU "D"	OCATIONS	AFF	ELECTRICAL NOTES
	1	1	-	WALK-IN BEER COOLER	120	1 -	*15.0* JE	X		1	DFA	-	-		-		_		-	-	-	-	FOR LIGHTS & HEATERS - REFER TO MFG'S SHOP DWGS. FOR DETAILS
	1.1 1.2	1	-	BEER COOLER EVAPORATOR BEER COOLER REMOTE COMPRESSOR	120 208	1 1.6 1 7.4	- JE	x x		1	DFA PLAN	-	-		-		FS -	-	-		-	-	- EC TO PROVIDE DISCONNECT IF NECESSARY - REFER TO MFG'S SHOP DWGS. FOR DETAILS
	2				-			-			-	-	-		-		-	-	-	-		-	-
	2.1	LI	-	ODEN #						-	-	-	-		-	-1 -1		27	-	-:	-	-	
	<u></u> ।	-), 2 -		-			-				-	-		-			-	-	-	-	-	
	5	3			120	1 50			V 61	5D 1	10"		-							and a			
	6	11	v	CO2 - (BY OTHERS)	120				A 0-1		12	-	-			-	-	-	-	-	-		-
	7	1	x	GLYCOL PUMP - (BY OTHERS)	120	1 -	"20" -		X 5-2		96"	_	-				_	-	-	_	-		-
	71	1	X	WALL SHELF (BY OTHERS)	-			_		-	-	-		_		_	_	-	2	_	-		
	8	IT.	X	BAG-N-BOX - (BY OTHERS)	120	1 -	"20" -	-	X 5-2	0P 1	66"	-	_			-	-	-	-		-	12	VERIEY ALL ROUGH-IN REQUIREMENTS
	9	2	-	WORKTABLES	-					-	-	-	-			_	_	-	-		-	_	-
	10	IT	-	WALL GRID SHELVING				24	_	-	_	_	_		_			-	-		_	-	
	11	1	-	SLICER	120	1 2.0		- 1	X 5-1	5P 1	48"	-	-		-		_	-	-	-0	-	-	
	12	LT	-	STORAGE SHELVING	-			-		-	-	-	-		-	-0 -0	-	-	-	-	-	-	-
	13	1	-	WALK-IN COOLER	120	1 -	*15.0* JE	X		1	SFC.	-	-		-		-	-	-	-	-	-	FOR LIGHTS & HEATERS - REFER TO MEG'S SHOP DWGS. FOR DETAILS
	13.1	2	-		120	1 1.6	- JE	X		2	SFC.	-	-		-		FS	-	-		-	-	
	13.2	1	144	COOLER REMOTE COMPRESSOR	208	1 11.4	- JE	X	0 0	1	PLAN	-	2			21 E		142	2		144	2	EC TO PROVIDE DISCONNECT IF NECESSARY - REFER TO MFG'S SHOP DW GS. FOR DETAILS
	14	2	5 -	PAN RACKS	_			-	u u	-	_	-	_			_		-	4	_	-	4	-
	15	LT	-	COOLER SHELVING	_	-		-	2 (2	-	-	-	_		_	_		-	-	_	-	4	-
	16	1	2-	DOUBLE CONVECTION OVEN	120	1 2) X 6.	0	-	X 5-1	5P 2	24"/ 48"	-	-		-		-	-	3/4"	100,000	1	24"	
	17	1	Х	EXHAUST HOOD & SYSTEMS - (BY OTHERS)	-	E -			e e		-	-	-			-			-	 4		-	REFER TO MECH / ELEC DRAWINGS; VERIFY LOADS.
	18	1		6-BURNER HOT PLATE	-	-		-	E E		-	-	-		-	-			3/4"	143,000	1	24"	-
	19	1	-	WORKTABLE		-		<u>i</u> _4			-	-	-	-	-	5 5 5	ing)	-	r-	<u></u> 7	-	-	-
	20	-	-	OPEN #	-					5 -	-	-	-		-		-		-	-6	-	-	-
	21	1	23-	MIXER	120	1 6.0		_	X 5-1	5P 1	48"	-	-		-		-	-	-	-	-	-	-
	21.1	1	-	MIXER STAND, MOBILE	-			-		-	-	-	-		-		-	-	<u>i</u>	-	-	-	
	22	1		PREP TABLE W/ SINKS, FAUCET & CAN OPENER	-	-		-	-	-	_	-	1/2" 1	1/2" 14	4"	-	FS	-	-			-	
	23	2		WALL GRID SHELVING		-	-					-	2								144	-	
$\wedge \bigcirc$	-24-	1	X	HAND SINK - (BY OTHERS)	-				2 <u>2</u>	-	-	- 1	1/2" 1	1/2" 16	5"	1 2"	-	18"	4	-8	-	4	-
3	24.1	3)x	HAND SINKS - (BY OTHERS)	-	-			2 <u>2</u>		-	- 1	1/2" 1	1/2" 10	<u>5"(</u>	3 2"		18"	E.	-	-	4	-
	25	1	_	REACH-IN REFRIGERATOR	120	1 6.0		-	X 5-1	5P 1	88"	-	-		-/3	~ -	-	-		-	-	4	-
	26	1		REACH-IN FREEZER	120	1 10.0		-	X 5-1	5 <mark>P 1</mark>	88"	-	-	-	-	-	=	. .	н.			H	-
	27	1	Х	ICE MACHINE - (BY OTHERS)	208	1 15.9	JE	X	e e	1	72"	3/4"	-		-	1 -	FS	7 1	-	-	<u></u>	-	EC TO CONNECT TO REMOTE CONDENSER (ITEM 27.3) ON ROOF.
	27.1	1	Х	ICE BIN - (BY OTHERS)	=		E F	-			-	-	-		-	-	FS	<u>~</u>	-	-	-	-	-
	27.2	1	Х	WATER FILTER (BY OTHERS)	-			-		-	-	- 1	3/4"	- 72	2"	1 -	-	-	F	-	-	-	-
	27.3	1	X	REMOTE COMPRESSOR (BY OTHERS)		17 - 17 - 17	VERIFY W/	VENDOR	0		1	-	-		-		-	3 -	-	-	-	-	-
	28	1	-	FLOOR TROUGH	-			-		-	_	-	-		-	- 3"	-	SU	-	-	-	-	-
	29	1		HIGH SPEED VENTLESS OVEN	208	1 6.2 KV	V		X 6-3	0P 1	48"	-	-					.e	-		107	-	-
	30	1	1 ma	UNDERCOUNTER REFRIGERATOR	120	1 3.2	-		X 5-1	5P 1	16"	-	2		-			<u>~</u>	-		<u></u>	-	-
	30.1	-	2-	ODEN #							-	-	-		-		-	8-	-	-	-	-	-
	31	-	-		-3						-	-	-		-	-1	-	1	-	-	-	-	
	32	1	X	EXHAUST HOOD & SYSTEMS - (BY OTHERS)	-					-	-		-		-		1997) 19		-	()		. L.	REFER TO MECH / ELEC DRAWINGS; VERIFY LOADS.
	33	1			120	1 4.0			X 5-1:		16"		-		-		Part of the second seco		-	-	-	-	
	04	1	-	OVERSHELE	-			-		-	-	-	-				-	-	J/4	100,000		24	-
	20	-	-	GRIDDLE	-		_	-			-	-	-		-			-	-	-	-	-	-
	37	4			_		_	-		-	-	-	-				-	-	3/ /"	40,000	1	76"	
	38	1		FRYERS, BATTERY OF 3	120	1 12.0			X 5-1	5P 3	16"								1"	255,000	1	24"	
	39	1		HEAT LAMP	120	1 500 w	1		X 5-1	5P 1	48"	_	-			Sarah Canada		-	-	200,000	-	-	-
	40	1	1	WORKTABLE	- 120					-					_			1					
	41	2	-	WAFFLE BAKERS	120	1 1300 \	v	-	X 5-1	5P 2	48"	-	_		-		_	-	-	-0	-	2	
	42	1	-	UNDERCOUNTER FREEZER	120	1 2.6		_	X 5-1	5P 1	16"	-	_				_	-	-	-	-	4	
	43	1	-	TOASTER	120	1 15.0		- 1	X 5-1	5P 1	48"	-	-		-		-	-	ц.	-	-	ц	-
	44	-		OPEN #	-			_	-	-	-	-	-		-	-	-	. 	-		-	H	-
	45	1	10	LANDING TABLE			- =	-	-	-	-	-	-		-	-	-	na -	e.		-	H	-
	46	1	122	WORKTABLE	-			-	-	-	-	-	-			-	-	10-	ι÷.	-	-	Ŧ	REFER TO MECH / ELEC DRAWINGS; VERIFY LOADS.
	47	2	Х	PRESSURE FRYERS	208	3 38.0		-	X 5-1	5P 2	16"	-	-		-			-	3/4"	80,500	1	24"	VERIFY ALL ROUGH-IN REQUIREMENTS
	48	1	-	BREADING STATION		D		-		-	-	-	-		-		-		-	-	-	-	-
	49	1	1.0	REACH-IN REFRIGERATOR	120	1 6.0			X 5-1	5P 1	88"	-	-			-			-		-	-	-

		BER
		MUN
	PLUMBING NOTES	ШШ
	- EGMERITO NO TEO	1
	PC TO EXTEND INDIRECT WASTES TO FLOOR SINK/ REFER TO MFG'S SHOP DWGS FOR DETAILS	1.1
	-	1.2
	-	2
	-	3
_	-	4
	-	5
	- -	7
	VERIFY ROUGH-IN REQUIREMENTS W/ EQ.	7.1
_	-	8
	-	10
	-	11
	-	12
	- PC TO EXTEND INDIRECT WASTES TO FLOOR SINK/ REFER TO MFG'S SHOP DWGS FOR DETAILS	13.1
	-	13.2
	-	14
	- KEC TO PROVIDE QUICK DISCONNECT	10
	VERIFY ALL ROUGH-IN REQIREMENTS	17
	KEC TO PROVIDE QUICK DISCONNECT	18
_	-	19 20
	-	21
_		21.1
	PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	22
	-	24
_	-	24.1
_	-	25 26
	PC TO EXTEND INDIVIDUAL INDIRECT WASTES TO FLOOR SINK	27
	PC TO EXTEND INDIVIDUAL INDIRECT WASTES TO FLOOR SINK	27.1
	PC TO EXTEND FILTERED WATER TOTCE MACHINE	27.2
	-	28
	KEC TO PROVIDE QUICK DISCONNECT	29
	-	30 30.1
	-	31
	VERIFY ALL ROUGH-IN REQIREMENTS	32
	- KEC TO PROVIDE QUICK DISCONNECT	33 34
		35
	KEC TO PROVIDE QUICK DISCONNECT	36
	DIRECT CONNECT VERIFY ALL ROUGH-IN REQIREMENTS	37
	-	39
	-	40
	-	41 42
		43
	-	44
	-	45 46
	VERIFY ALL ROUGH-IN REQIREMENTS	40
	-	48
	-	49

Foodservice Equipment, Supplies and Des	X sign
HOCKENBERG	ŝS
10550 Barkley, Suite 200 Overland Park, KS 66212 P 913.945.2490	
trimarkusa.com	
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Owner and all Contractors to check and verify existing dimensions and conditions in the field before starting	
construction and to notify TriMark of any material or detail changes.	
REVISIONS DATE NO. DESCRIPTIO	N
1/20/21 - PRELIM. EQ. LAYOU 3/10/21 - UPDATED EQ. LAYOU	лт ООТ
3/23/21 - REV'D BEER COOLI LOC. & COMP. UNIT 5/10/21 3	ER S PER
HEALIH DEPT. REV	ĭ⊏₩
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PROJECT NUMBER:	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021 SCALE: AS NOTED	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021 SCALE: AS NOTED DRW JL	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021 SCALE: AS NOTED DRW DRW JL	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021 SCALE: AS NOTED DRW DRW JL SCHEDULE	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021 SCALE: DRAWN BY: DRW DRW JL SHEET TITLE:	Food Servi
PROJECT NUMBER: 10-21004 DATE: 02/DD/2021 SCALE: 02/DD/2021 SCALE: AS NOTED DRW DRW JL SHEET TITLE: SCHEDULE SHEET NUMBER:	Food Servi

THIS DOCUMENT WAS ORGINALLY PRINTED ON A 24" x 36" SIZE SHEET

			KITCHEN	ELEC	TRIC	AL							PL	UMBING									
													SUF	PLY		D	RAINS			GAS			
ITEM NUMBER	QTY	BY VENDOR	DESCRIPTION	VOLTAGE	PHASE	AMPS	CIRCUIT	J-BOX		NEMA	LOCATIONS	AFF	FILTERED	COLD "A" HOT "B"	AFF	LOCATIONS	DIRECT "C" INDIRECT "C"	AFF	SIZE	BTU "D"	LOCATI ONS	AFF	ELECTRICAL NOTES
50	1	-	WORKTABLE	-	-	_	Te	-		-	-	-	-		-	-		-	-	-	-	-	_
51	1	-	BROILER - (WOOD)	-	~	_	_	-		-	-	-	_		-	-		-	-	-	-	-	_
52	1	x	EXHAUST HOOD FAN & MUA/ FIRE SYSTEM - (BY OTHERS)	-	-	-	, 	-		-	-	-	_		-	_		-	-	-	_	-	VERIEY ALL ROUGH-IN REQUIREMENTS
53	-	-	OPEN #	-	-	-	-	-		-	_		_		-	_		-	-	-	-	-	_
54	1	-	DOUGH SHEETER	120	1	370 W		-	- X	5-15F	1	48"	-2	1	-				-	2	4	12	_
55	1	-	TOASTER - (CONVEYOR)	208	1	13.4	. .	-	- X	6-20F	2 1	48"	4	12 13					_	2	4	14	E.C. TO PROVIDE CORD & PLUG: KEC TO PROVIDE SS WALL FLASHING
56	1	-	DRAWER WARMER	120	1	7.5	u .	-	- X	5-15F	2 1	16"	-			-		-	-	-	-		_
57	1	-	REFRIGERATOR, SANDWICH/ SALAD PREP	120	1	4.0		-	- X	5-15F	2 1	16"	4	-	ć	-		_	-	_	-	-	_
58	1	-	MICROWAVE	120	1	13.4	~ <u>~</u>	-	- X	5-15F	2 1	16"	1		-			-	-	-	Ц	-	-
59	1	-	WORKTABLE	-	-	-		-		_	-	-	4	- 4	-	-	- 4	-	-	_	Ц	-	_
60	1	-	HOT FOOD WELL	120	1	10.0	i:=	-	- X	5-15F	1	48"	.=		-	-			-	-	н	-	_
61	1	-	HOT FOOD TABLE	208	1	7.2	:=	~	- X	6-15F	2 1	16"	-		~	-	-	-		-	Ŧ	104	_
62	1		REFRIGERATOR, SANDWICH/ SALAD PREP	120	1	6.0		-	- X	5-15F	2 1	16"	-		-	-		<u>1</u>	~	-	-	02	_
63	1	-	REFRIGERATOR, SANDWICH/ SALAD PREP	120	1	6.0			- X	5-15F	2 1	16"	-		-	-		-	-	-	-	Ĩ.	_
64	1	-	CLEAN DISHTABLE	-	-	_	T-0	-		-	-		-		-	-		-	-	-	-	i.	_
65	2	-	OVERSHELF	-	-	-	- C	-		-	-	-	-			-		-	-	-	-	-	_
66	1	-	POT RACK	-	-	-	2 13 -	-		-	-	-	-		-	-		-	-	-	-	-	
67	1	-	MOBILE WARMER	120	1	17.4	-		- X	5-15F	1	12"	-		į.	-	-	-	-	-	-	-	_
68	LT	-	UTILITY RACKS	-	-		-	-		-	-		-		-	-	-	-	-	-	-		
69	1	-	SOILED DISHTABLE	72	-	-	u=	-	3 2	2		12	2	12 B	-		- FS		-	2	2	142	_
69.1	1	-	DOUBLE SLANT RACK	5. —	-	-				-	-		-		-	-		-	-	-	4	÷.	_
69.2	٦	-	PRE-RINSE UNIT	3. 	~	-	~ —	-		_	-	-	4	1/2" 1/2"	24"	1		-	-	-	Ľ.	-	-
70	1	X	DISHMACHINE - (BY OTHERS)	208	3	48.75	<u> </u>	JB	x -	-	1	66"	4	- 3/4'	- 		- FS	-		-	4	-	VERIFY ALL ROUGH-IN REQUIREMENTS
70.1	1	X	DRAIN TEMPERING KIT - (BY OTHERS)	120	1	VERIFY		JB	x -	-	1	8"	4	- 1/2"	-	-		-	-	-	Щ	-	VERIFY ALL ROUGH-IN REQUIREMENTS
71	1	X	CONDENSATE HOOD & SYSTEMS - (BY OTHERS)		-	_		-		-	-	-			-	-		-	-	-	н	-	VERIFY ALL ROUGH-IN REQUIREMENTS
72	1	-	3-COMPARTMENT SINK		-		-	-		-	, .		æ		-	н	- FS		-	-	æ	-	-
72.1	1	~	PRE-RINSE W/ FAUCET	12	-	-		-		-	-	14	-	1/2" 1/2"	16"	1		-	-	-	÷	12	-
72.2	1	-	FAUCET		-	-		-		-	-	-	-	1/2" 1/2"	16"	1		-	-	-	H	-	
73	2	-	DISH CABINET/ EXPO COUNTER W/ OVERSHELF	-	~	-	<u></u>	-		-	-	-	Ŧ		-	-		-	-	-	Ħ	-	-
72.2	1	-	FAUCET	:-	~	-		-		-	-	-	-	1/2" 1/2"	16"	1		-	-	-	-	-	-
74	3	-	INGREDIENT BINS	-	-	-	i3 	-		-	-	-	-		-	-		-	-	-	-	-	-
75	9	-	DROP DOWN HEAT LAMPS	120	1	375 W	i3 -	JB	X -	-	9				-	-		.	-	-	.e		EXTEND TO WALL SWITCH
76	2	-	DROP-IN COLD PANS	120	1	8.0	: -	-	- X	5-15F	2	16"	-		-	-		-	~	-	-		-
77	1	-	DRAWER WARMER	120	1	3.8	: -	-	- X	5-15F	2 1	16"	4	14 H	-	2	-		-	2	4	10-	-
78	1	-	COOKER/ WARMER	120	1	8.3	1.5	-	- X	<u>5-15</u> F	2 1	16"	4		-	-			-	-	4	-	-
79	LT	X	POS UNITS - (BY OTHERS)	-	~	-	r=	-		-	-	-	-	-		-		-		-	4	-	
80	LT	-	RACK DOLUES	:-	-	-	-	-		-	-	1.5	4		-	-	- 4		-	-	4	-	
81	2	X	SODA/ ICE DISPENSER - (BY OTHERS)	120	1	-	*15.0*	-	- X	5-20F	2 1	16"	4	1/2" -	16"	1	- FS	-	-	-	4	-	VERIFY ALL ROUGH-IN REQUIREMENTS
82	1	Х	COFFEE/ TEA BREWER - (BY OTHERS)	208	1	-	*20.0*	-	- X	5-20F	2 1	42"		1/2" -	48"	1		-		-	æ	1.7	VERIFY ALL ROUGH-IN REQUIREMENTS
83	1	X	COFFEE GRINDER - (BY OTHERS)	120	1	-	^ <mark>15.0</mark> *	-	- X	5-20F	2 1	42"	. –		-	-			-	-	H	-	VERIFY ALL ROUGH-IN REQUIREMENTS
84	1	-		120	1	3.2	:=	-	- X	5-15F	2 1	16"	- 1		-	F			~	-	-	-	-
85	1	-	DEVERAGE GOUNTER	2	-		107	-		-	-	5 -	-	1/2' 1/2"	16"	1	1-1/2' FS	16"	-	-	7	5-	-
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101	1	A	SOUR DISPENSER WITCE DIN- (DT UITERS)		-	-		-		-		_	-	-	-	-	1 15	_	-	-	-	-	VERIFT ALL RUUGH-IN REQUIREMENTS

				•				
	BAR	ELECTRICAL		PLUMBING				
				SUPPLY	DRAINS GAS			
ITEM NUMBER QTY BY VENDOR	DESCRIPTION	BRAR AWDS CIBCUI	U-BOX DIRECT C & P LOCATIONS	FILTERED COLD "A" HOT "B" LOCATIONS	DIRECT "C" INDIRECT "C" SIZE BTU "D" BTU "D"	ELECTRICAL NOTES	PLUMBING NOTES	ITEM NUMBER
B1 4 -	UNDERBAR CORNER DRAINBOARDS				- FS		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	B1
B2 2 -	UNDERBAR COCKTAILICE BINS				- FS		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	B2
B2.1 2 -	UNDERBAR SPEEDRAILS	_ 1 _ 1					-	B2.1
B2.2 2 X	SODA GUNS - (BY OTHERS)	_ 2 _ 2					-	B2.2
B3	OPEN #				- FS	STUB-UP IN BAR DYE-WALL	PC TO EXTEND INDIRECT WASTES TO FLOOR SINK / STUB-UP WATERS IN BAR DYE-WALL	B3
B4 2 -	UNDERBAR DRYWASTE						-	B4
B5 1 -	UNDERBAR GLASS RACK CABINET				- FS		-	B 5
B6 2 -	UNDERBAR REFRIGERATORS	120 1 2.75 -	X 5-15P 1 SU			* - STUB-UP IN BAR DYE-WALL		B6
B7	OPEN #						-	B7
B8 1 X	GLASS WASHER (BY OTHERS)	120 1 16.0 *20.0*			- FS	VERIFY ALL ROUGH-IN REQUIREMENTS	PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	B 8
B9 1 -	UNDERBAR DUMP SINK			- 1/2" 1/2" SU 1	1-1/2" SU		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK / STUB-UP WATERS IN BAR DYE-WALL	B 9
B10 1 -	UNDERBAR HAND SINK			- 1/2" 1/2" SU 1	1-1/2" SU		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK / STUB-UP WATERS IN BAR DYE-WALL	B10
B11 1 -	UNDERBAR POS STATION				- FS		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	B11
B12 1 -	GLASS FROSTER	120 1 5.0 -	X 5-20P - SU			STUB-UP IN BAR DYE-WALL	-	B12
B13 2 -	3-TIER SHELF UNIT W/ MATS				- FS		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	B13
B14 LT X	POS UNITS - (BY OTHERS)	- 2 - 2					-	B14
B15 1 -	BEER DISPENSING HEAD							B15
B15.1 1 -	DRIP PAN				- FS		PC TO EXTEND INDIRECT WASTES TO FLOOR SINK	B15.1

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Foodservice Equipment, Supplies and De	k
HOCKENBER	GS
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REVISIONS DATE NO. DESCRIPTIO	DN
1/20/21 - PRELIM. EQ. LAYO 3/10/21 - UPDATED EQ. LAY	υτ Ουτ
3/23/21 - REV'D BEER COOL LOC. & COMP. UNI 5/10/21	ER TS PER
PROJECT NUMBER:	Food Service Equipment
10-21004 DATE: 02/DD/2021	
SCALE: AS NOTED	
DRAWN BY: APPROVED B	<u>Y:</u>
SHEET TITLE:	
SCHEDULE	
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