

FDBY Lee's Summit Complex

COMPLEX DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
G-001		Cover Sheet & Drawing Index			
G-002		Applicable Codes, General Notes & Finish Schedules			
G-003		Door Schedule & Egress Plan			
G-004		Typical 2A & 5B Construction Types			
A-101		Site Plan			
I-101A		Interior Floor Plan & Equipment List			
I-101A		Interior Floor Plan & Equipment List			
I-101B		W833_C849 Interior Complex Plan & Equipment List			
A-103		W712 & W718 Utilities Plan			
A-103B		W833_C849 Utilities Plan			
S-501		W712 & W718 Structural Tie-Down Plans & Details			
S-501B		W833_849 Structural Tie-Down Plans & Details			
S-501C		Mobile Modular Office_Dry Storage Structural Tie-Down Plans & Details			
S-501D		Walk-In Cooler Structural Tie-Down Plans & Details			

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M681 DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
(M681) G-001		Cover Sheet & Drawing Index			
(M681) I-101		Interior Floor Plan and Equipment List			
(M681) E-101		Electrical Floor Plan Schematic			
(M681) E-601		Electrical Panel Schedule(S)			
(M681) M-101		HVAC Ducting Plan			
(M681) P-601		Fresh Water Plumbing Schematic			
(M681) P-602		Waste Water Plumbing Schematic			

M682 DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
(M682) G-001		Cover Sheet & Drawing Index			
(M682) I-101		Interior Floor Plan and Equipment List			
(M682) E-101		Electrical Floor Plan Schematic			
(M682) E-601		Electrical Panel Schedule(S)			
(M682) M-101		HVAC Ducting Plan			
(M682) P-601		Fresh Water Plumbing Schematic			
(M682) P-602		Waste Water Plumbing Schematic			

M820 DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
(M820) G-001		Cover Sheet & Drawing Index			
(M820) I-101		Interior Floor Plan and Equipment List			
(M820) E-101		Electrical Floor Plan Schematic			
(M820) E-601		Electrical Panel Schedule(S)			
(M820) M-101		HVAC Ducting Plan			
(M820) P-601		Fresh Water Plumbing Schematic			
(M820) P-602		Waste Water Plumbing Schematic			
(M820) P-603		Gas Plumbing Schematic			

M821 DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
(M820) G-001		Cover Sheet & Drawing Index			
(M820) I-101		Interior Floor Plan and Equipment List			
(M820) E-101		Electrical Floor Plan Schematic			
(M820) E-601		Electrical Panel Schedule(S)			
(M821) M-501		Makeup Air Specifications			
(M821) M-502		Exhaust Hood Plan & Specifications			
(M821) M-503		Exhaust Hood Plan & Specifications			
(M821) M-504		Exhaust Fan & MUA Specs			
(M821) M-505		Exhaust Fan & MUA Specs			
(M821) M-506		Control Panel			
(M821) M-507		MUA Ducting Specifications			
(M821) M-508		Exhaust Fan Elevation			
(M821) P-601		Fresh Water Plumbing Schematic			
(M821) P-602		Waste Water Plumbing Schematic			
(M821) P-603		Gas Plumbing Schematic			

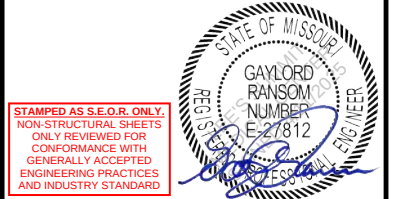
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**FDBY LEE'S SUMMIT
MEDICAL CENTER**

2100 SE Blue Pkwy
Lee's Summit, MO 64063

REV.	DATE	DESCRIPTION	NAME

DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER ----	

11x17 SCALE: N/A
22x34 SCALE: N/A

Cover Sheet & Drawing Index

Sheet

G-001

SUBMITTAL SET

APPLICABLE CODES

COUNTY:	Jackson County								
CODES:	CODE USED	STATE AMENDMENTS							
Building	2021 International Building Code								
Plumbing	2021 International Plumbing Code								
Mechanical	2021 International Mechanical Code								
Electrical	2020 NFPA-70 National Electrical Code								
Gas	2021 International Fuel Gas Code								
Energy	2021 International Energy Conservation Code								
Accessibility	2021 International Building Code								
Life Safety	2021 International Building Code								
Fire	2021 International Building Code								
OCCUPANCY TYPE:									
Building	A-2								
Life Safety	A-2								
Building Area	3,412 Sq.Ft.								
ADDRESS:	2100 SE Blue Pkwy, Lee's Summit, MO 64063								
				PROPOSED CONST. TYPE	M681	M682	M820	M821	
CLASSIFICATION:				Type	V-B	V-B	V-B	II-2	II-2
				Protection					
				Unprotected	X	X	X		
				1 Hr Protected			X	X	
"LIGHT HAZARD" SPRINKLER SYSTEM							X	X	

DESIGN CRITERIA

	PROPOSED SITE LOADS	M681	M682	M820	M821
ROOF:					
LIVE LOAD (SNOW):	20 PSF	30 PSF	30 PSF	60 PSF	60 PSF
GROUND SNOW LOAD:	20 PSF	30 PSF	30 PSF	60 PSF	60 PSF
FLOOR:					
LIVE LOAD: UNIFORM	100 PSF	100 PSF	100 PSF	100 PSF	100 PSF
CONCENTRATED	2000 LBS	2000 LBS	2000 LBS	2000 LBS	2000 LBS
WIND:					
CODE:	ASCE 7/16	ASCE 7/05	ASCE 7/05	ASCE 7/10	ASCE 7/10
WIND SPEED:	109 MPH	116 MPH	116 MPH	140 MPH	140 MPH
EXPOSURE CATEGORY:	C	C	C	C	C
SEISMIC CATEGORY:	B	C	C	A	A
FLOODING:	N/A	N/A	N/A	N/A	N/A
ENCLOSURE CLASSIFICATION:	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED	ENCLOSED
CLIMATE ZONE: 4A					

Egress Requirements			
EGRESS ITEM	REQUIRED		PROVIDED
	BUILDING	LIFE SAFETY	
Number of Exits Required	1	1	4
Minimum Opening Width	36"	36"	72"
Minimum Stair Width	N/A	N/A	N/A

Occupancy Legend	
IBC 2021, TABLE 1004.5	
DINING	ASSEMBLY USE - LESS CONCENTRATED WITHOUT FIXED SEATING 1,417 SF / 15 SF OCC = 95 OCCUPANTS
KITCHEN	1,987 SF / 200 SF OCC = 10 OCCUPANTS

- NOTES:
1.

DRINKING FOUNTAINS SHALL BE PROVIDED AND INSTALLED BY OTHERS ON SITE.
2.

RESTROOM AND HANDICAPPED RESTROOM FACILITIES MUST BE READILY ACCESSIBLE WITHIN 500 FEET TRAVEL DISTANCE OF THIS BUILDING ON THE SITE.
3.

DATA PLATES AND LABELS LOCATED ON LOAD CENTER COVER UNLESS OTHERWISE SPECIFIED.
4.

FIRE SAFETY PLAN REVIEW & INSPECTION IS RESERVED FOR THE LOCAL FIRE OFFICIAL HAVING JURISDICTION.

EQUIPMENT INSTALLATION

THE FOLLOWING ITEMS HAVE NOT BEEN COMPLETED BY THE MANUFACTURER, HAVE NOT BEEN INSPECTED BY TRA AND ARE NOT CERTIFIED BY THE STATE MODULAR LABEL. NOTE THAT THIS LIST DOES NOT NECESSARILY LIMIT THE ITEMS OF WORK AND MATERIAL THAT MAY BE REQUIRED FOR A COMPLETE INSTALLATION. ALL SITE RELATED ITEMS ARE SUBJECT TO LOCAL JURISDICTION APPROVAL. CODE COMPLIANCE MUST BE DETERMINED AT THE LOCAL LEVEL.

ITEMS TO BE INSTALLED ON SITE BY KTG BY MOBILE MODULAR:

1.

MAKE UP AIR UNIT.

2.

EXHAUST FANS.

3.

CONDENSING UNITS.

4.

BLOCKING OF UNIT.

5.

THE MAIN ELECTRICAL PANEL AND SUBFEEDERS.

6.

CONNECTION OF ELECTRICAL CIRCUITS CROSSING OVER MODULE MATELINE(S) - (MULTI-UNITS ONLY).

7.

STRUCTURAL AND AESTHETIC INTERCONNECTIONS BETWEEN MODULES (MULTI-UNITS ONLY).

8.

RAMPs, STAIRS AND GENERAL ACCESS TO THE BUILDING.

ITEMS TO BE INSTALLED ON SITE BY OTHERS:

1.

UTILITIES HOOK UP

FACTORY INSTALLED ITEMS:

1.

COOKING EQUIPMENT

2.

SINKS

3.

PREP EQUIPMENT

M821:
MAKE-UP AIR

MODEL: A2-D 250-G15-R-MPU
208V, 3PH, 60HZ
MODEL: A3-D 500-G18-MPU
208V, 3PH, 60HZ

M820:
HVAC

MODEL: #YSK090A3S0M**00B0A1B0A0A1
7.5 TON-ROOF TOP A/C UNIT
208V, 3PH, 60HZ

M681:
HVAC

MODEL: W60AYDA15XX4XXE BARD
5 TON-WALL MOUNTED ELECTRIC
208V, 1PH, 60HZ

M682:
HVAC

MODEL: W60AYDA15XX4XXE BARD
5 TON-WALL MOUNTED ELECTRIC
208V, 1PH, 60HZ

FINISH SCHEDULE:

ROOF: FIBERGLASS REINFORCED PLASTIC (FRP),
COLOR - WHITE

FLOOR: VINYL THAT CONTINUES UP TO THE WALL FOUR INCHES WITH A 3/8" INCH RADIUS COVE AS A INTEGRAL UNIT.
ALTRO STRONGHOLD 30
COLOR - SKYLINE

CEILING: FOOD GRADE WASHABLE TILES IN
2X4 SUSPENDED GRID. (ARMSTRONG #870)
COLOR - WHITE

INTERIOR

WALLS: FIBERGLASS REINFORCED PLASTIC (FRP), COLOR WHITE

STAINLESS STEEL 18 GA, TYPE 304, FINISH #4,
HORIZONTAL GRAIN BEHIND COOKING LINE.

COUNTER: STAINLESS STEEL 16 GA, TYPE 304, FINISH #4,
HORIZONTAL GRAIN.

SHELVING: STAINLESS STEEL 16 GA, TYPE 304, FINISH #4,
HORIZONTAL GRAIN.

EQUIPMENT: MOUNTED LOOSE, SECURE FOR TRANSPORT.

INSTALLATION:

ANY GAP LESS THAN 3/8" WIDE TO BE SEALED WITH A SMOOTH SEMI-PERMANENT APPROVED FOOD GRADE CAULK JOINT.

ANY GAP LARGER THAN 3/8" REQUIRES THE USE OF A CAULK BACK MATERIAL.

ALL SHARP EDGES TO BE SMOOTHED.

USE 3/16 RIVETS ON ALL STAINLESS RIVETING.

ALL VENTS MUST HAVE SCREENS.

C934 & C935 DRY STORAGES FINISH SCHEDULE:

ROOF: FIBERGLASS REINFORCED PLASTIC (FRP),
COLOR - WHITE

FLOOR: VINYL THAT CONTINUES UP TO THE WALL FOUR INCHES WITH A 3/8" INCH RADIUS COVE AS A INTEGRAL UNIT.
ALTRO STRONGHOLD 30
COLOR - SKYLINE

CEILING: FOOD GRADE WASHABLE TILES IN
2X4 SUSPENDED GRID. (ARMSTRONG #870)
COLOR - WHITE

INTERIOR

WALLS: FIBERGLASS REINFORCED PLASTIC (FRP),
COLOR - WHITE

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REGISTERED PROFESSIONAL ENGINEER
GAYLORD RANSOM
NUMBER E-27812

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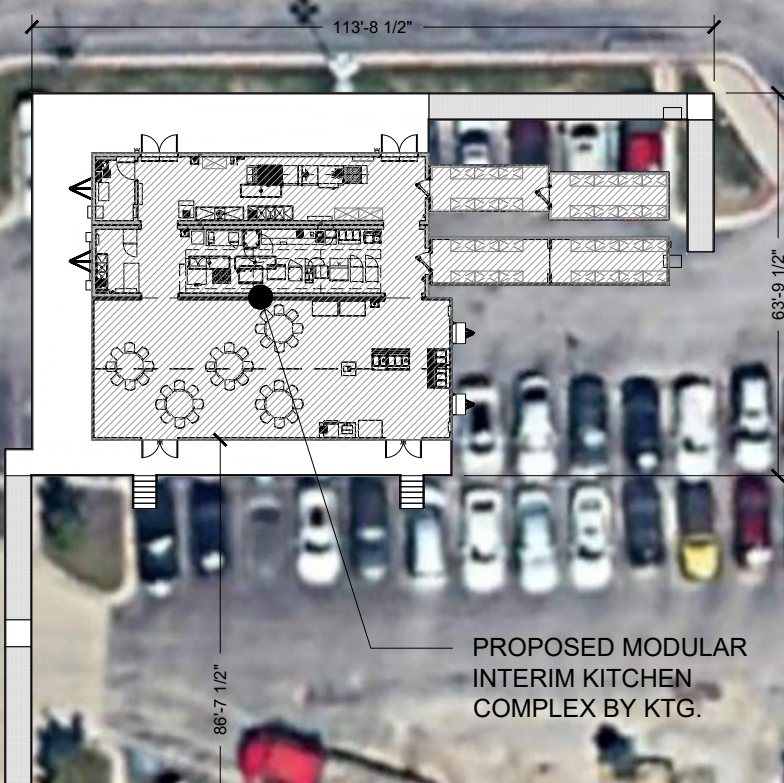
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REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By:	Approved By:		
MMS	HB/RR		
QUOTE NUMBER	UNIT NUMBER		
L24-050	M820, M821, M681, M682		
11x17 SCALE: N/A			
22x34 SCALE: N/A			
Applicable Codes, General Notes & Finish Schedules			
Sheet			

G-002

NOTE:
ADA COMPLIANT RAMPS, STAIRS, PLATFORMS
HANDRAILS AND GENERAL ACCESS TO THE
BUILDING BY KTG ON SITE.

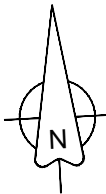


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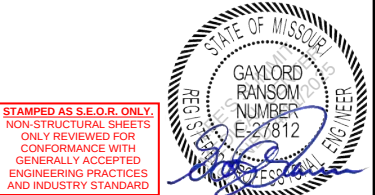


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[illegible]

REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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Drawn By: MMS	Approved By: ---
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

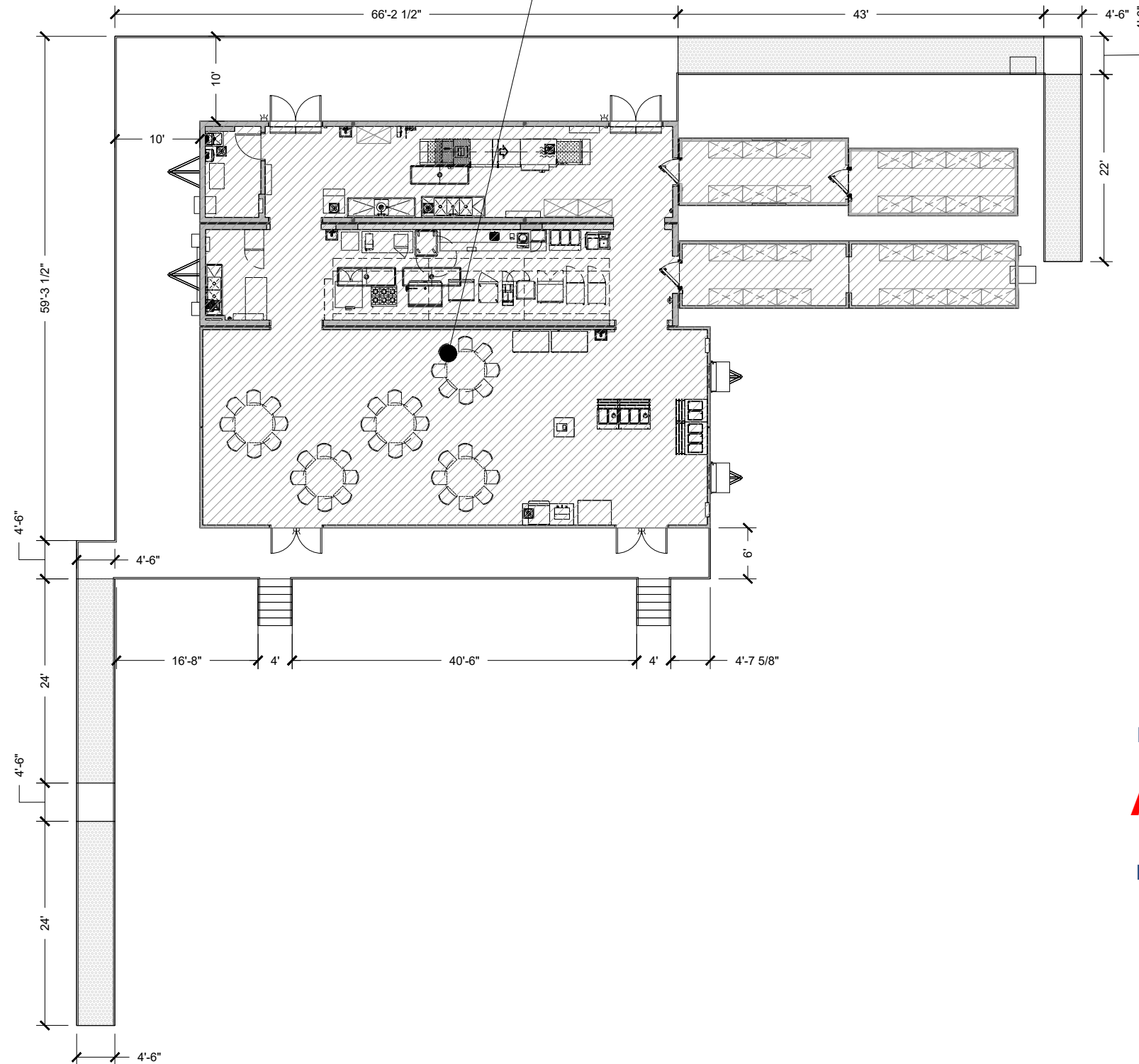
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22x34 SCALE: 1/16"=1'-0"

Site Plan

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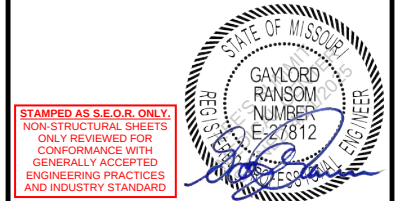
A-101

PROPOSED MODULAR
INTERIM KITCHEN
COMPLEX BY KTG.



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**FDBY LEE'S SUMMIT
MEDICAL CENTER**

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11x17 SCALE: 1/16"=1'-0"
22x34 SCALE: 1/8"=1'-0"

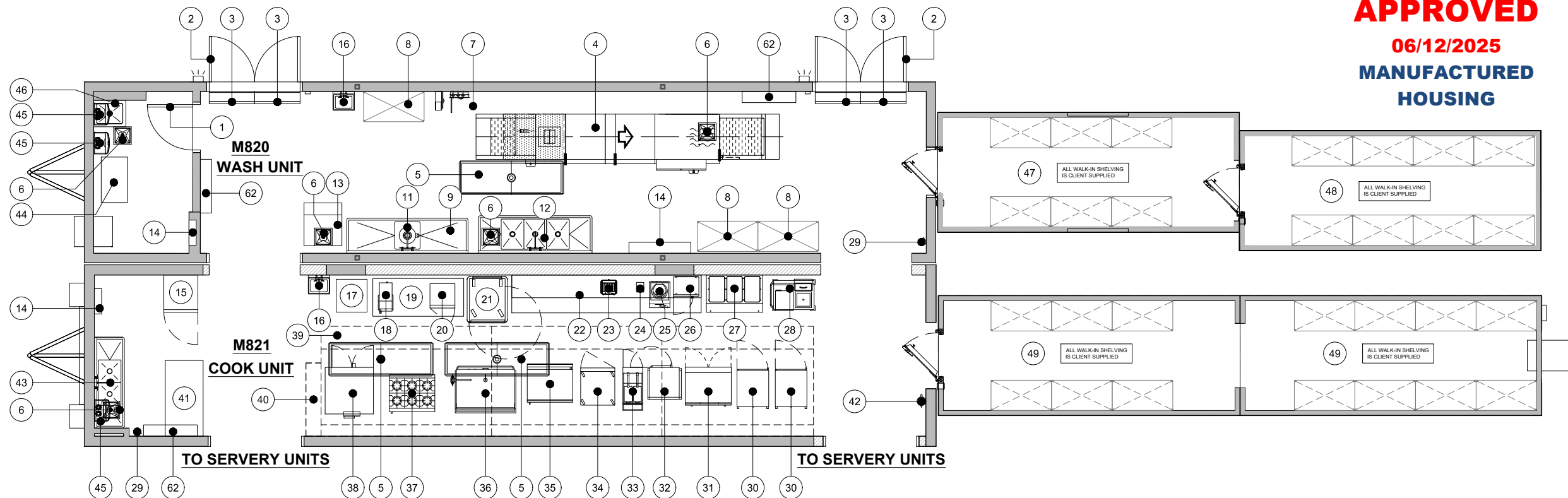
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A-102

SUBMITTAL SET

CS = CLIENT SUPPLIED EQUIPMENT

ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10' Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	
22	Stainless Steel Work Table With Undershelf And Overshelf (30"X150")		X	44	Booster Heater	X					



NOTE:
ADA COMPLIANT RAMPS, STAIRS, PLATFORMS,
HANDRAILS AND GENERAL ACCESS TO THE
BUILDING BY KTG ON SITE.

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Drawn By: MMS	Approved By: -
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QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682
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11x17 SCALE: 1/8"=1'-0"
22x34 SCALE: 1/4"=1'-0"

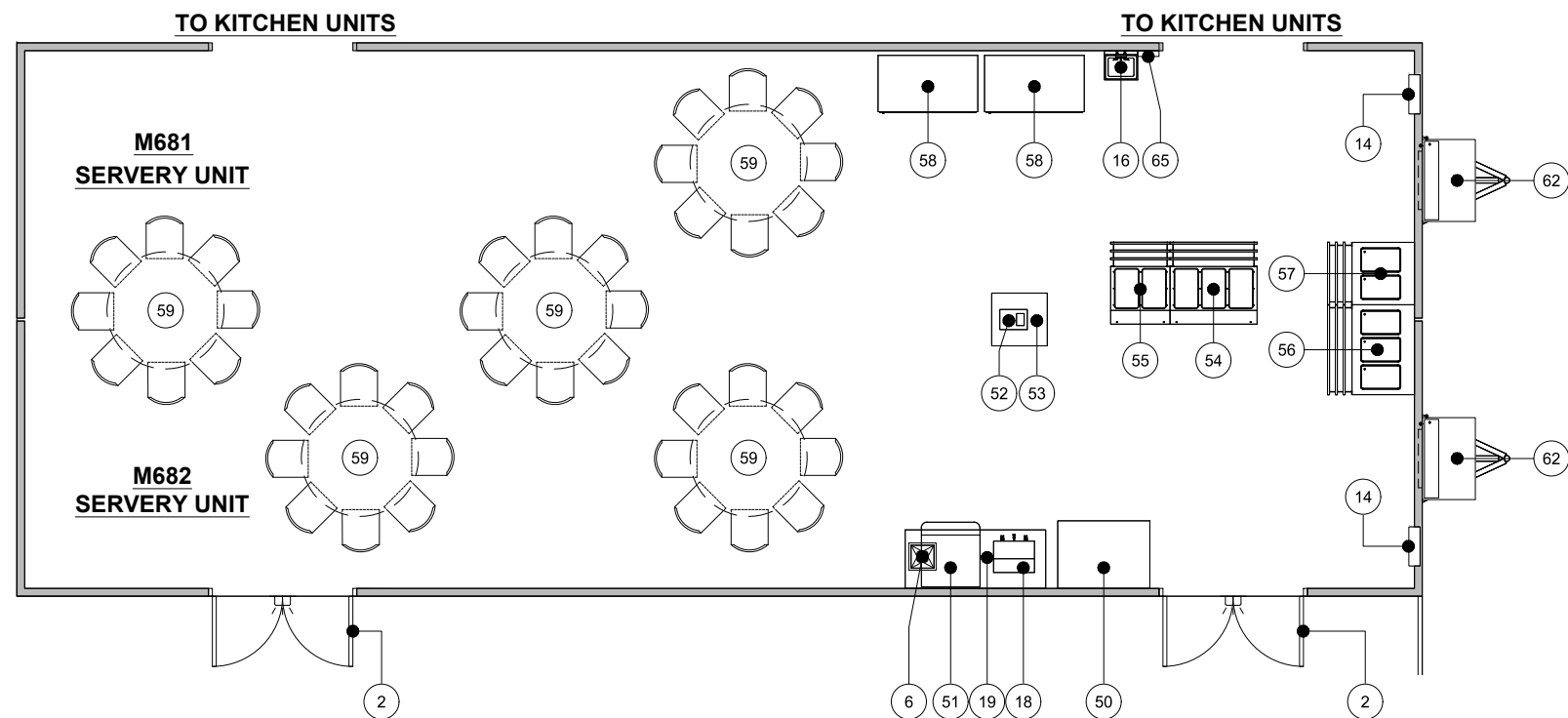
Interior Floor Plan & Equipment List

Sheet

I-101A

CS = CLIENT SUPPLIED EQUIPMENT

ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10' Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	
22	Stainless Steel Work Table With Undershelf And Overshelf (30"X150")		X	44	Booster Heater	X					



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HANDRAILS AND GENERAL ACCESS TO THE
BUILDING BY KTG ON SITE.



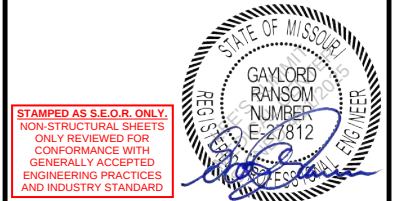
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**FDBY LEE'S SUMMIT
MEDICAL CENTER**

2100 SE Blue Pkwy
Lee's Summit, MO 64063

[illegible]

REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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Drawn By: MMS	Approved By: -
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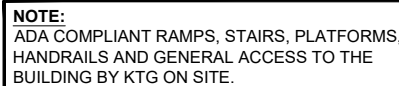
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682
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11x17 SCALE: 1/8"=1'-0"
22x34 SCALE: 1/4"=1'-0"

Interior Floor Plan & Equipment List

Sheet

I-101B



ELECTRICAL LEGEND

	24' X 48" LIGHT FIXTURE
	24' X 48" LIGHT FIXTURE WITH EMERGENCY BALLAST
	EXT. ENTRY LIGHT
	EMERGENCY EXIT LIGHT
	VAPOR PROOF LIGHT/ HOOD LIGHT

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REV.	DATE	DESCRIPTION	NAM

DELTA - REV -

Drawn By: MMS	Approved By: -
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682

11x17 SCALE: 1/8"=1'-0"
22x34 SCALE: 1/4"=1'-0"

Reflected Ceiling Plan

Sheet

I-102

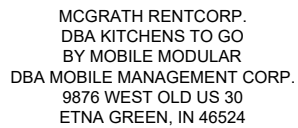
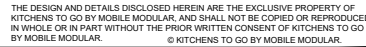
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HOUSING**

SUBMITTAL SET



**FDBY LEE'S SUMMIT
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REV.	DATE	DESCRIPTION	NAME

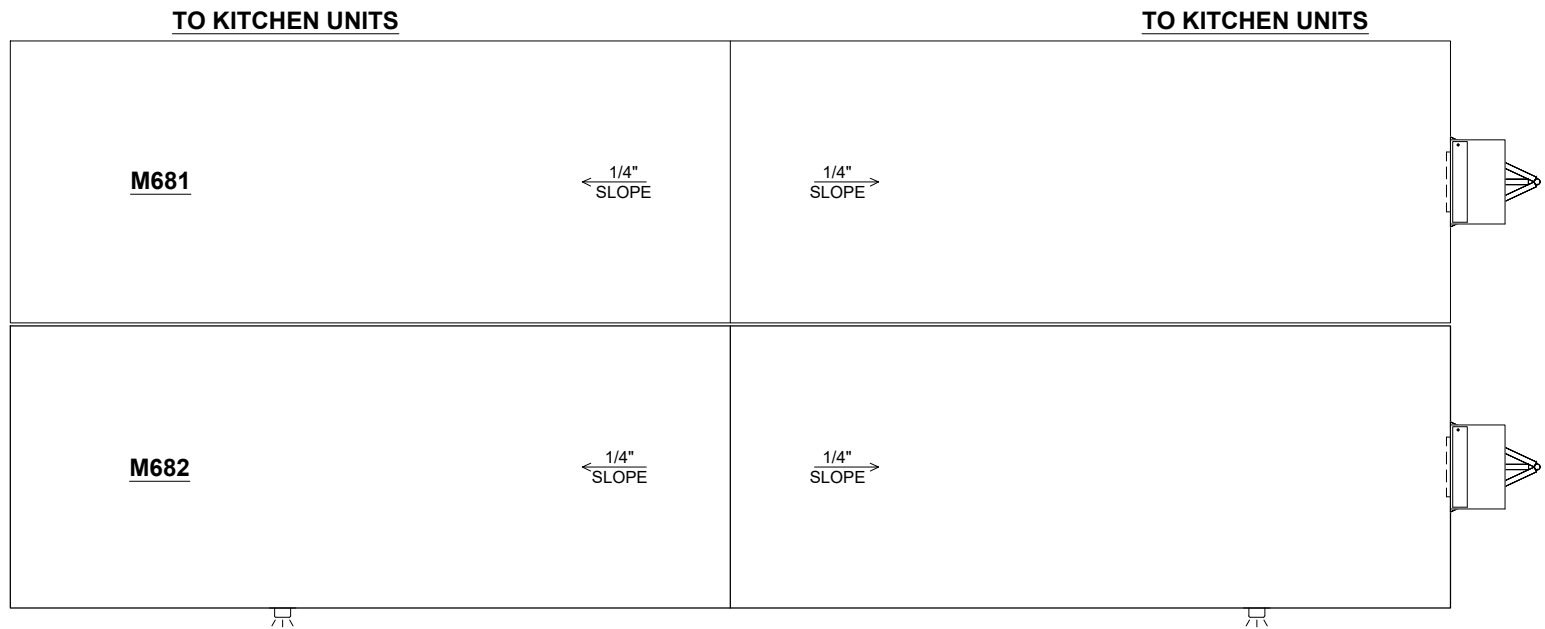
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: 1/8"=1'-0"		22x34 SCALE: 1/4"=1'-0"	

Server Complex Utilities Floor Plan

Sheet

A-103B

MEP LOADS										
P.O.C.	UNIT	PHASE	VOLTS	PANEL SIZE	MAIN BREAKER SIZE	ESTIMATED LOAD (AMPS)	NATURAL GAS		WATER POC	WASTE POC
							BTU/H	POC		
1	Cook (M821)	3	120/208	200	200	137	931,900	2-1/2"	1"	See note 9
2	MUA 1	3	120/208				213,310	1"		1" see note 4
3	MUA 2	3	120/208				478,859	1"		1" see note 4
4	Dist. Panel for MUA1 & MUA 2	3	120/208	200 (See note 7&8)	200	107				
5	Wash (M820)	3	120/208	400	400	271	743,000	1-1/2"	1-1/2"	See note 9
6	Walk-in Freezer	1	120/208		40	32				3/4" see note 4
7	Walk-in Cooler	1	120/208		40	32				3/4" see note 4
8	Dry Storage	1	120/208		30	24				3/4" see note 4
9	Serving (M881)	3	120/208	200	200	95				3/4" see note 4
10	Dining (M882)	3	120/208	200	200	90				3/4" see note 4
TOTAL						788	2,387,069			
KEY NOTES										
1	Client to provide a water pressure regulator to deliver minimum 35 PSI to maximum 60 PSI, and a back flow preventer.									
2	Client to provided soft water. Any water supply with over 3 grains per gallon is considered hard water and requires conditioning.									
3	Client shall provide and install a grease trap.									
4	Condensate drains to be indirectly connected to drywell or storm sewer by G.C. or their plumbing contractor.									
5	Sprinkler system, if required, not included in above. Client to provide riser, valve, alarm and connection to each module.									
6	Client to provide a gas pressure regulator to deliver (10" for Natural gas or 13" for Propane gas) of water column of pressure to the point of connection.									
7	Electrical point of connection for MUA1, MUA2 & Condensing units on the roof by G.C. or their electrical contractor.									
8	Installation of Dist. Panel and connection to MUA1 & 2 condensing units on the roof by G.C. or their electrical contractor, location to be approved by KTG.									
9	Multiple plumbing fixtures and waste vents stub-outs under the units floor. All waste connections to be connected by G.C.									
10	Electrical point of connection for exhaust fans and HVAC on the roof by G.C. or their electrical contractor.									
11	Electrical point of connection for Walk-in Cooler, Walk-in Freezer and Dry Storage by G.C. or their electrical contractor.									
12	Gas point of connection for make up air units and HVAC units on the roof by G.C. or their plumbing contractor.									
13	Temporary connection between both exterior j-boxes to feed the UDS from the interior electrical panel (for gas/electric projects).									
These are estimations only, requirements may change per project specifics. Data, Phone, Security and Fire Alarm by others										



PROPANE PROJECT

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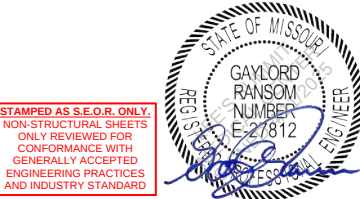
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[illegible]

REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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Drawn By: MMS	Approved By: -
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

11x17 SCALE: 1/8"=1'-0"
22x34 SCALE: 1/4"=1'-0"

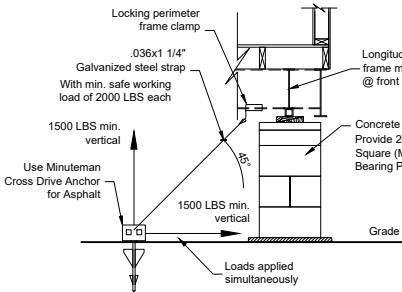
Server Complex Utilities Roof Plan

Sheet

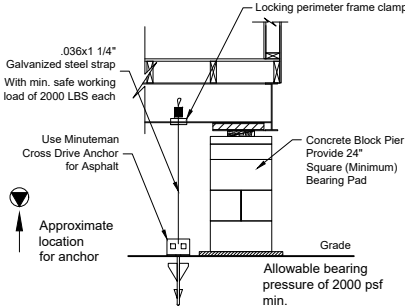
A-103D

APPROXIMATE DEAD LOADS		
MARK	DESCRIPTION	WEIGHT (lbs)
1	COOK MODULE (M821)	58,000
2	WASH MODULE (M820)	45,000
3	SERVERY MODULE (M681)	40,000
4	SERVERY MODULE (M682)	40,000
5	WALK-IN COOLER	2,400
6	WALK-IN FREEZER	2,400
7	WALK-IN DRY STORAGE	4,800

- MINUTEMAN CROSS DRIVE ANCHOR INSTALLATION INSTRUCTIONS:
1. DRILL A VERTICAL 5/8" DIAMETER HOLE A MINIMUM OF 5 1/2" DEEP INTO THE ASPHALT AT CENTER OF ANCHOR LOCATION FOR PILOT STUD.
 2. INSERT PILOT STUD AND ANCHOR BRACKET INTO HOLE. NOTE: DISTANCE FROM BRACKET BOTTOM TO ASPHALT SURFACE SHOULD NOT EXCEED 1".
 3. DRILL TWO 3/4" DIAMETER HOLES INTO THE ASPHALT AT 45 DEGREE ANGLES, USING THE ANCHOR HEAD AS A LOCATION GUIDE.
 4. DRIVE ROD A MINIMUM OF 80% OF ITS OVERALL LENGTH TO DEVELOP REQUIRED PULLOUT RESISTANCE.
 5. PLACE SECOND ROD THROUGH REMAINING TUBE AND DRIVE TO 80% OF ITS OVERALL LENGTH TO DEVELOP REQUIRED PULLOUT RESISTANCE.
 6. CONFIRM DISTANCE FROM BRACKET BOTTOM TO ASPHALT SURFACE DOES NOT EXCEED 1"
 7. MATELINE BEAM CLAMPS NOT TO EXCEED 15' SEPARATION.

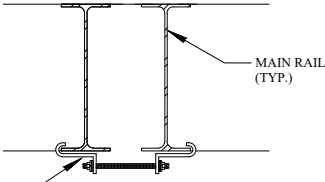


Pier Detail
(Standard)
(NTS)

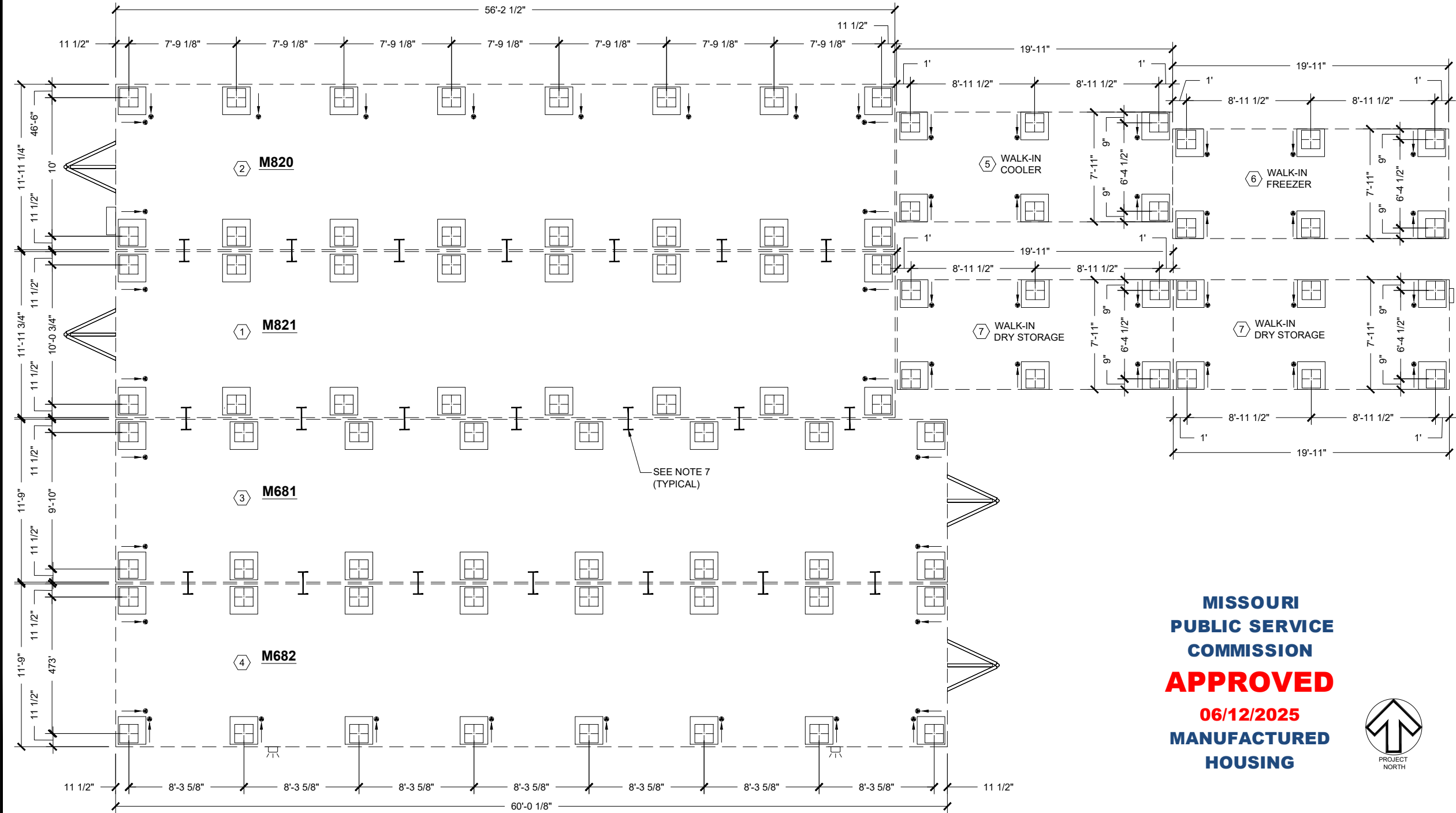


Pier Detail
(Option #1)
(NTS)

I-BEAM CLAMP W/ (1)
3/8" x 12" L
ALL-THREAD ROD, (2)
FLAT WASHERS, (2)
LOCK WASHERS, (2)
HEX NUTS 12" O.C. -
TYPICAL



Clamp Detail
(Standard)
(NTS)



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REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: 1/8"=1'-0"			
22x34 SCALE: 1/4"=1'-0"			
Pier Plan			
Sheet			

A-104

LEE'S SUMMIT MEDICAL CENTER SERVERY - M681

DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
(M681) G-001		Cover Sheet & Drawing Index			
(M681) I-101		Interior Floor Plan and Equipment List			
(M681) E-101		Electrical Floor Plan Schematic			
(M681) E-601		Electrical Panel Schedule(S)			
(M681) M-101		HVAC Ducting Plan			
(M681) P-601		Fresh Water Plumbing Schematic			
(M681) P-602		Waste Water Plumbing Schematic			

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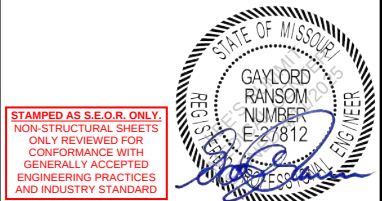
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[illegible]

REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

11x17 SCALE: N/A
22x34 SCALE: N/A

Cover Sheet & Drawing Index

Sheet

(M681) G-001

EQUIPMENT SCHEDULE:											
CS = CLIENT SUPPLIED EQUIPMENT											
ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10' Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	
22	Stainless Steel Work Table With Undershelf And Overshelf (30"X150")		X	44	Booster Heater	X					

ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10' Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	

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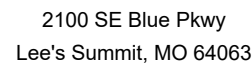
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The floor plan for the M681 manufactured housing unit is a rectangular layout. On the left side, there are three circular dining areas, each with a central table and eight chairs, labeled with the number 59. To the right of these is a kitchen area featuring a sink (16), a stove (65), and two rectangular tables (58). Further right is a bathroom (57) with a toilet (52), a shower (53), and a vanity (54). A closet (55) is located near the bathroom. On the far right, there is a storage area (62) and a door (14). The unit is labeled M681 in the center-left area.

SUBMITTAL SET

[illegible]

REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

11x17 SCALE: $\frac{3}{16}"=1'-0"$
22x34 SCALE: $\frac{3}{8}"=1'-0"$

Interior Floor Plan And Equipment List

Sheet

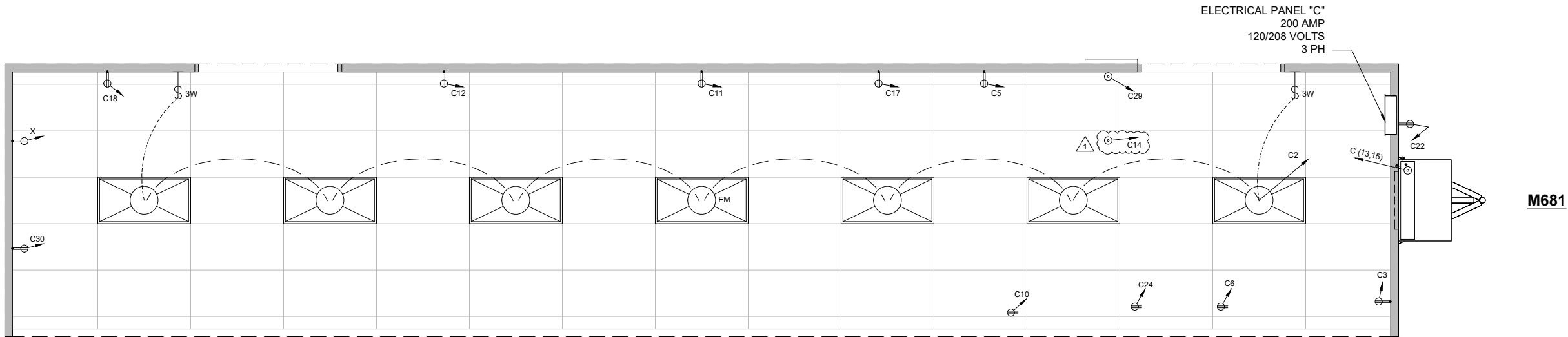
(M681) I-101

NOTES:

- CONDUIT FROM ELECTRICAL PANEL TO EQUIPMENT JUNCTION BOX TO BE RUN INSIDE WALLS, CEILING OR UNDER FLOOR WHERE POSSIBLE.
- ALUMINUM RACEWAY TO BE USED WHEN TRANSITION FROM ELECTRICAL PANEL TO JUNCTION BOX OR JUNCTION BOX TO JUNCTION BOX DOES NOT PERMIT RECESSED CONDUIT.
- WHEN RECESSED JUNCTION BOX IS NOT POSSIBLE, USE A SURFACE MOUNTED ALUMINUM WATER TIGHT JUNCTION BOX.
- ALL VERTICAL DIMENSIONS ARE FROM FINISH FLOOR. ALL HORIZONTAL DIMENSIONS ARE FROM INSIDE FINISH WALL.
- WIRING ABOVE SUSPENDED CEILINGS SHALL BE AC CABLE OR SIMILAR. NM CABLE MAY NOT BE USED ABOVE SUSPENDED CEILINGS.
- NOT USED.
- ALL 120 VOLTS, 15 AND 20 AMP RECEPTACLES TO BE GFCI PROTECTED.
- THE LIGHT INTENSITY SHALL BE AT LEAST 50 FOOT-CANDLES ON ALL FOOD PREPARATION SURFACES AND AT EQUIPMENT OR UTENSIL-WASHING WORK LEVELS.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES AT A DISTANCE OF 30" ABOVE THE FLOOR IN THE FOLLOWING:
 - UTENSIL AND EQUIPMENT STORAGE AREAS.
 - SINKS AND TOILET AREAS.
 - WALK-IN REFRIGERATION UNITS.
 - DRY FOOD STORAGE AREAS.
 - ALL OTHER AREAS.THIS INCLUDES THE AREAS WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE, SUCH AS BUFFETS AND SALAD BARS, AND ROOMS DURING PERIODS OF CLEANING.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES INSIDE EQUIPMENT, SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS.
- EXCEPT AS SPECIFIED IN NOTE 13, LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS:
 - EXPOSED FOOD
 - CLEAN EQUIPMENT, UTENSILS, AND LINENS; OR
 - UNWRAPPED SINGLE-SERVICE AND SINGLE-USE ARTICLES.
- SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT BULBS NEED NOT BE USED ONLY FOR STORING FOOD IN UNOPENED PACKAGE IF THE:
 - INTEGRITY OF THE PACKAGES CANNOT BE AFFECTED BY BROKEN GLASS FALLING ONTO THEM; AND
 - PACKAGES ARE CAPABLE OF BEING CLEANED OF DEBRIS FROM BROKEN BULBS BEFORE THE PACKAGES ARE OPENED.
- AN INFRARED OR OTHER HEAT LAMP SHALL BE PROTECTED AGAINST BREAKAGE BY SHIELD SURROUNDING AND EXTENDING BEYOND THE BULB SO THAT ONLY THE FACE OF THE BULB IS EXPOSED.
- ALL ESSENTIAL ELECTRICAL SYSTEMS AND EMERGENCY SYSTEMS SHALL BE INSTALLED BY OTHERS.
- CIRCUITS #C10, C24, AND C6 TO BE CORD DROPS.
- UDS CIRCUIT NUMBERS ARE USED AS A GUIDE ONLY TO LOCATE THE CIRCUITS AND TO CALCULATE THE ELECTRICAL LOAD FOR THE TWO UDS SECTIONS.
- ALL EXIT & EMERGENCY WALL PACK LTS. TO BE CONNECTED TO NEAREST UNSWITCHED LTG. CIRCUIT PER NEC.
- ALL 15 & 20 AMP RATED RECEPTACLES IN KITCHEN SPACE SHALL BE GFI PROTECTED PER NEC.
- MOTOR RATED SWITCH DISCONNECT FOR WATER HEATER.
- PROVIDE SUITABLE DISCONNECT SWITCH FOR AIR CURTAIN IF NOT FACTORY INSTALLED.

ELECTRICAL SYMBOL LEGEND	
	4' - LED LIGHT FIXTURE
	24" X 48" LED (2) TUBE (LAY-IN) W/ PRISMATIC LENS EMERGENCY BATTERY BACKUP
	4' - 4 TUBE FLUORESCENT FIXTURE
	4' - 3 TUBE FLUORESCENT FIXTURE
	SINGLE OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - SURFACE MOUNTED
	FOURPLEX OUTLET - FLUSH MOUNTED
	FOURPLEX OUTLET - SURFACE MOUNTED
	HARDWIRE CONNECTION - FLUSH MOUNTED
	HARDWIRE CONNECTION - SURFACE MOUNTED
	208V OUTLET - FLUSH MOUNTED
	208V OUTLET - SURFACE MOUNTED
	EXHAUST FAN
	SWITCH - FLUSH MOUNTED
	SWITCH - SURFACE MOUNTED
	3-WAY SWITCH - FLUSH MOUNTED
	3-WAY SWITCH - SURFACE MOUNTED
	DENOTES CIRCUIT NUMBER (#8)
	EXT. SCENE LIGHT / ENTRY LIGHT
	VAPOR PROOF LIGHT/HOOD LIGHT
	EMERGENCY EXIT LIGHT

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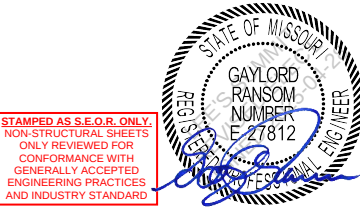
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BY:

DATE:



FDBY LEE'S SUMMIT
MEDICAL CENTER

2100 SE Blue Pkwy
Lee's Summit, MO 64063

1	04-25-25	Per Deviation Report	MMS
REV.	DATE	DESCRIPTION	NAME

DELTA 1 | REV 1

Drawn By: MMS	Approved By: -
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682

11x17 SCALE: 3/8"=1'-0"
22x34 SCALE: 3/4"=1'-0"

Electrical Floor Plan
Schematic

Sheet

(M681) E-101

SUBMITTAL SET

NOTES:

1. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE HOT DIPPED GALVANIZED, ALL FITTINGS SHALL BE OF THE SCREW THREAD TYPE. COUPLINGS, LOCKNUTS, BUSHINGS, ETC., SHALL BE HOT DIPPED GALVANIZED.
2. ELECTRICAL METALLIC TUBING (EMT) SHALL BE GALVANIZED. COUPLINGS AND CONNECTORS SHALL BE GALVANIZED. FITTINGS SHALL BE COMPRESSION TYPE WITH GLAND SEALING RINGS OR SET SCREW TYPE.
3. FLEXIBLE CONDUIT SHALL BE GALVANIZED STEEL OR ALUMINUM. WHERE USED IN DAMP OR WET LOCATIONS FLEXIBLE CONDUIT SHALL BE OF THE LIQUID-TIGHT TYPE WITH OUTER NEOPRENE JACKET AND SUITABLE LIQUID-TIGHT FITTINGS.
4. WIRE AND CABLE FOR USE ON SYSTEMS OF 50 VOLTS TO 600 VOLTS SHALL BE 600 VOLT RATED TYPE THW OR THHN FOR BRANCH CIRCUITS. FEEDERS SHALL BE THHN (THWN IN WET LOCATIONS).
5. WIRE AND CABLE FOR USE ON SYSTEMS OF BELOW 50 VOLTS SHALL BE 300 VOLT PVC INSULATED AND SUITABLE FOR THE CLASS OF WIRING EXCEPT AS OTHERWISE INDICATED OR SPECIFIED.
6. ALL CONDUCTORS SHALL BE COPPER. MIN. SIZE - 12GA THHN (THWN IN WET LOCATIONS)
7. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE USED WHERE EXPOSED TO THE WEATHER, PLACED UNDERGROUND BELOW CONCRETE SLAB, IN CONCRETE OR MASONRY CONSTRUCTION IN CONTACT WITH EARTH.
8. GALVANIZED STEEL ELECTRICAL METALLIC TUBING SHALL BE USED IN ABOVE GROUND, INTERIOR, DRY LOCATIONS PROTECTED FROM WEATHER AND PHYSICAL DAMAGE, AND MAY BE USED IN CONCRETE OR MASONRY CONSTRUCTION NOT IN CONTACT WITH EARTH.
9. FLEXIBLE METALLIC CONDUIT SHALL BE USED TO CONNECT CONDUIT SYSTEMS TO MOTORS, DIRECT WIRED AND VIBRATING EQUIPMENT AND AS A FINAL CONNECTION TO LIGHTING FIXTURES (6' MAX) IN ACCESSIBLE CEILINGS. IT MAY BE USED AS A WIRING SYSTEM INSTEAD OF EMT IN INTERIOR WALLS ONLY (DRY FRAME OR STUD CONSTRUCTION).
10. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR FINAL ELECTRICAL CONNECTIONS TO ROOF TOP OR OTHER EQUIPMENT EXPOSED TO THE ENVIRONMENT.

LEE SUMMIT MEDICAL CENTER																							
200 AMP				120/208VOLTS				4 WIRE				60HZ				3PH				M681 - C			
							PHASE																
AWG	COLOR	ITEM	TYPE LOAD	P	AMPS	CIRC.	A		B		C		P	AMPS	CIRC.	TYPE LOAD	ITEM	AWG	COLOR				
12	B	SPACE	K	1	20	1	0	800					1	20	2	L	LIGHTS	12	B				
12	R	5 WELL COLD FOOD TABLE 57	K	1	20	3			1020	0					4		SPACE						
12	BL	BEVERAGE COOLER 1 58	K	1	20	5					1020	1500	1	20	6	K	3 WELL HOT FOOD TABLE 54	12	BL				
		SPACE				7	0	0							8		SPACE						
		SPACE				9			0	400			1	20	10	K	CASH REGISTER 52	12	R				
12	BL	RECEPT	R	1	20	11					1200	1200	1	20	12	R	RECEPT	12	BL				
4	B	HVAC 57/15KW	H	2	90	13	8840	600					1	20	14	CL	HEAT TAPE	12	B				
4	R	"	H	-	90	15			8840	0					16		SPACE						
12	BL	BEVERAGE COOLER 2 58	K	1	20	17					1020	1200	1	20	18	R	RECEPT	12	BL				
		SPACE				19	0	0							20		SPACE						
		SPACE				21			0	1200			1	20	22	R	SERVICE RECEPTACLE 55	12	R				
		SPACE				23					0	996			24	K	2 WELL HOT FOOD TABLE	12	BL				
		SPACE				25	0	0							26		SPACE						
		SPACE				27			0	0					28		SPACE						
12	BL	WATER HEATER	K	1	20	29					1800	1200	1	20	30	R	RECEPT	12	BL				
							8840	1400	9860	1600	5040	6096											
							10240		11460		11136												
							CONN. VA		DEMAND FACTOR		DEMAND VA												
TOTAL KITCHEN LOAD							=	7756	X	0.8	6204.8	LOAD TYPE KEY:											
TOTAL LIGHTING LOAD							=	800	X	1.25	1000.0	K = KITCHEN LOAD											
TOTAL NON-CONT. LOAD							=	0	X	1	0.0	L = LIGHTING LOAD											
TOTAL RECEPTACLE LOAD							=	6000	X	1	6000.0	NC = NON-CONTINUOUS LOAD											
TOTAL CONTINUOUS LOAD							=	600	X	1.25	750.0	R = RECEPTACLE LOAD											
TOTAL HVAC LOAD							=	17680	X	1	17680.0	CL = CONTINUOUS LOAD											
LARGEST MOTOR LOAD							=	0	X	1.25	0.0	H = HVAC LOAD											
TOTAL MISC. LOAD							=	0	X	1	0.0	LM = LARGEST MOTOR LOAD											
TOTAL VA PANEL "A"							=	32836			31634.8	M = MISC.											
TOTAL VA							=	32836			31634.8												
TOAL AMPS							=	91.1			87.8												
							TOTAL=		32836	VA													
							I =		91.1	AMPS													

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GAYLORD RANSOM
NUMBER E-27812
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER

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MEDICAL CENTER**

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Lee's Summit, MO 64063

1	04-25-25	Per Deviation Report	MMS		
REV.	DATE	DESCRIPTION	NAME		
DELTA 1		REV 1			
Drawn By: MMS		Approved By: -			
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682			
11x17 SCALE: N/A 22x34 SCALE: N/A					
Electrical Panel Schedule(S)					
Sheet (M681) E-601					



DIFFUSER INSTALLATION NOTES

1. ACOUSTICAL LAY-IN T-BAR CEILING, SEE ARCHITECTURAL DRAWINGS.
2. TYPICAL LAY-IN DIFFUSER.
3. #7 x 1/2" S/M SCREWS, (4" O.C. MIN.) TAPE W/ 2" MASTIC TAPE.
4. SUPPORT DIFFUSER WITH (4) 1-1/2" x 26 GA. GALVANIZED S/M STRAPS, SECURE TO STRUCTURE ABOVE.
5. SHEET METAL SCREW, (TYPICAL).
6. VOLUME DAMPER
7. FLEXIBLE DUCT
8. SPIN-IN FITTING W/ BUTTERFLY DAMPER
9. "D" IS THE THROAT DIAMETER

1. THERMOSTAT TO BE LOCATED 48" A.F.F.
2. LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OF ZINC COATED SHEET STEEL OR DUCT BOARD.
3. ZINC COATED SHEET STEEL SHALL CONFORM TO THE LATEST VERSION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
4. DUCT BOARD SHALL CONFORM TO THE LATEST VERSION OF SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS OR NAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
5. FLEXIBLE AIR DUCT FOR CONNECTIONS BETWEEN LOW PRESSURE DUCT TO DIFFUSERS SHALL BE EQUAL TO THERMAFLEX G-KM. DUCT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES UNDER UL 181 STANDARDS AS CLASS 1 FLEXIBLE AIR DUCT MATERIAL AND SHALL COMPLY WITH NFPA STANDARDS 90A AND 90B. DUCT SHALL BE RATED TO OPERATE AT PRESSURES UP TO 6" W.G. (1500 PA) FOR SIZES 16" AND SMALLER. MAXIMUM LENGTH OF FLEXIBLE AIR DUCT SHALL BE 7 FEET.
6. KEEP ALL OUTSIDE AIR INTAKES 10' FROM EXHAUST AIR VENTS PER CODE.
7. INSULATE DUCT ABOVE CEILING WITH R-6 DUCT WRAP. MASTIC AND SEAL ALL JOINTS.
8. THE DUCTWORK AND EQUIPMENT ARE SHOWN DIAGRAMMATIC. FIELD VERIFY DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION.
9. AIR FLOW SHALL BE BALANCED TO OBTAIN QUANTITIES SHOWN ON FLOOR PLANS. CAREFULLY ADJUST DAMPERS FOR ALL DUCTWORK AND AIR OUTLETS AND RECORD READINGS WHICH CORRESPOND TO THE DESIGN FLOW RATES AT EACH OUTLET. TEST AND BALANCE THE COMPLETE AIRSIDE SYSTEM IN ACCORDANCE WITH "SMACNA T.A.B." PROCEDURES.
10. MODULES MAY HAVE EXISTING DUCTWORK INSTALLED. IF DUCTWORK DIMENSIONS ARE THE SAME OR LARGER AS DUCTWORK SHOWN EXISTING DUCTWORK SHALL BE REUSED AND REMAIN IN PLACE.
11. AC UNIT OUTSIDE AIR DAMPER TO BE POSITIONED TO PROVIDE THE FLOWRATE SHOWN BELOW.

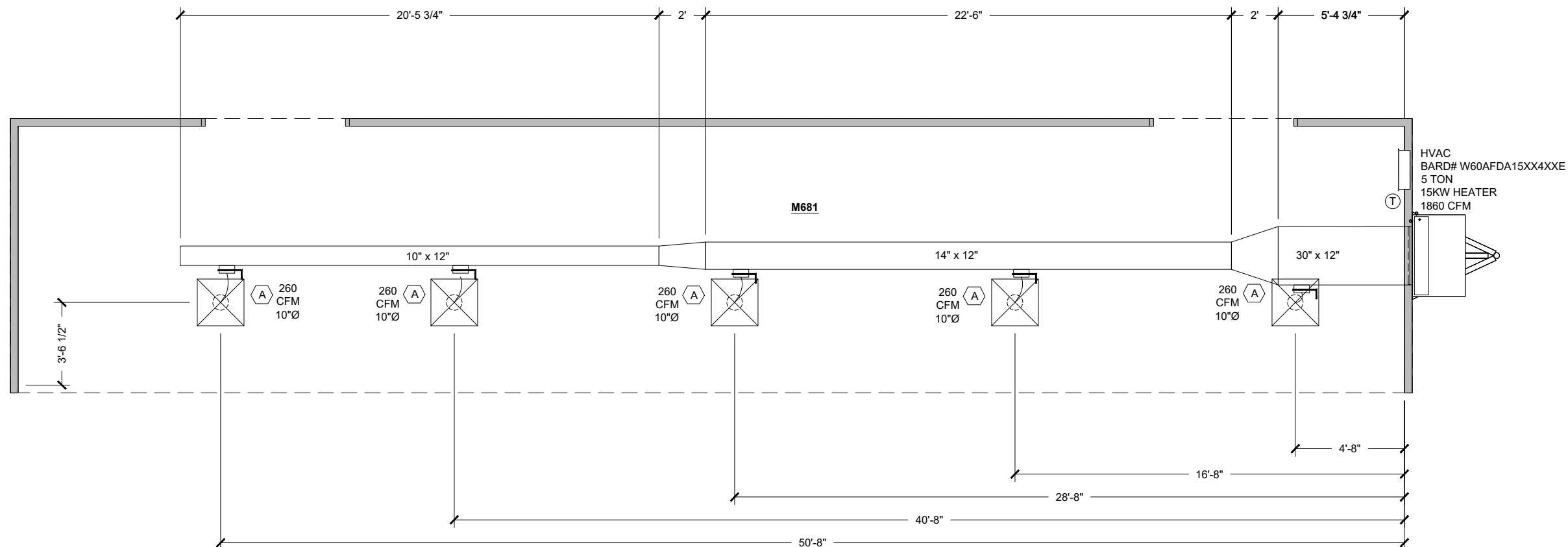
MARK	DESCRIPTION
	T-BAR DIRECTIONAL VOLUME DIFFUSERS, FULL SIZE SQUARE 2'x2' DIRECTIONAL T-BAR DIFFUSER, ROUND COLLAR, SEISMIC SUPPORT HANGERS, SHOEMAKER 105PD SERIES PERFORATED T-BAR DIFFUSERS.

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2100 SE Blue Pkwy
Lee's Summit, MO 64063

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REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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Drawn By: MMS	Approved By: -
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

11x17 SCALE: $\frac{3}{8}"=1'-0"$
22x34 SCALE: $\frac{3}{4}"=1'-0"$

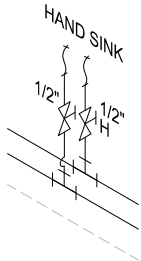
HVAC Ducting Plan

Sheet

(M681) M-101

NOTES :

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT CODES AND REGULATIONS.
2. USE PEX (WHEN NOT VISUALLY EXPOSED TO INTERIOR OR EXTERIOR) OR COPPER PIPE TYPE K OR L WHEN EXPOSED TO PLUMB WATER LINES UNLESS OTHERWISE SPECIFIED.
3. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL. 2 HOLE STRAPS AT 3' O.C. MAX.
4. ALWAYS USE ROUND RUBBER GROMMETS WHENEVER PLUMBING LINES RUN THRU METAL PLATES, SKIN, CURB, ETC.
5. PRESSURE TEST WATER LINES (90-100 PSI) FOR LEAKS PRIOR TO EQUIPMENT FINAL CONNECTIONS.
6. FOR STORAGE: DRAIN WATER LINES.
7. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY CARLIN MANUFACTURING
8. FOR MOP SINK USE 8" ADJ. SERVICE SINK FAUCET WITH SHORT SPOUT AND VACUUM BREAKER.
9. WRAP ALL HOT WATER LINES WITH PIPE INSULATION.
10. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED.
11. PRESSURE AVAILABLE ON SITE TO BE MAXIMUM 55PSI - MINIMUM 40PSI.
12. FOR COLD CLIMATE LOCATION ;
 - 12.1. IF UNIT IS IN USE MAKE SURE THAT THE HEAT TAPE IS ALWAYS "ON"
 - 12.2. IF THE UNIT IS NOT IN USE OR IN STORAGE, DRAIN ALL WATER AND WASTE LINES TO AVOID DAMAGE TO PIPES DUE TO EXPOSURE TO FREEZING TEMPERATURES.
13. WHEN METAL FITTINGS (PEX) ARE EXPOSED TO METAL WALL STRUCTURAL, NEED TO ADD A THERMAL BREAK.
14. WRAP ALL HOT & COLD PIPING THAT RUNS UNDER THE FLOOR WITH PIPE INSULATION.
15. WATER HEATER TEMPERATURE CAN BE ADJUSTED FROM 120°F TO 140°F.
16. WATER ID BEING SUPPLIED FROM THE EXISTING BUILDING. REFER TO PLUMBING DOCUMENTS, SHEET P310.1 PLAN NOTE #32.



TYPICAL FRESH WATER CONNECTION DETAIL

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SYM	DESCRIPTION
H	HOT WATER LINE
C	COLD WATER LINE
(R)	PRESSURE REGULATOR
VB	VALVE, BRASS BALL
T	TEE
90°	90° ELBOW
FHA	FLEX HOSE ASSEMBLY (S.S. BRAIDED MPT x FPT SWIVEL)
QD	QUICK DISCONNECT
3-WAY	VALVE 3-WAY
P	PUMP
VBK	VACUUM BREAKER
R	REDUCER
CV	CHECK VALVE
PC	POINT OF CONNECTION
WFS	WATER FILTRATION SYSTEM
PEN	PENETRATION
HB	HOSE BIBB
CAP	CAP
BDV	BOILER DRAIN VALVE
PRV	PRESSURE RELIEF VALVE
U	UNION

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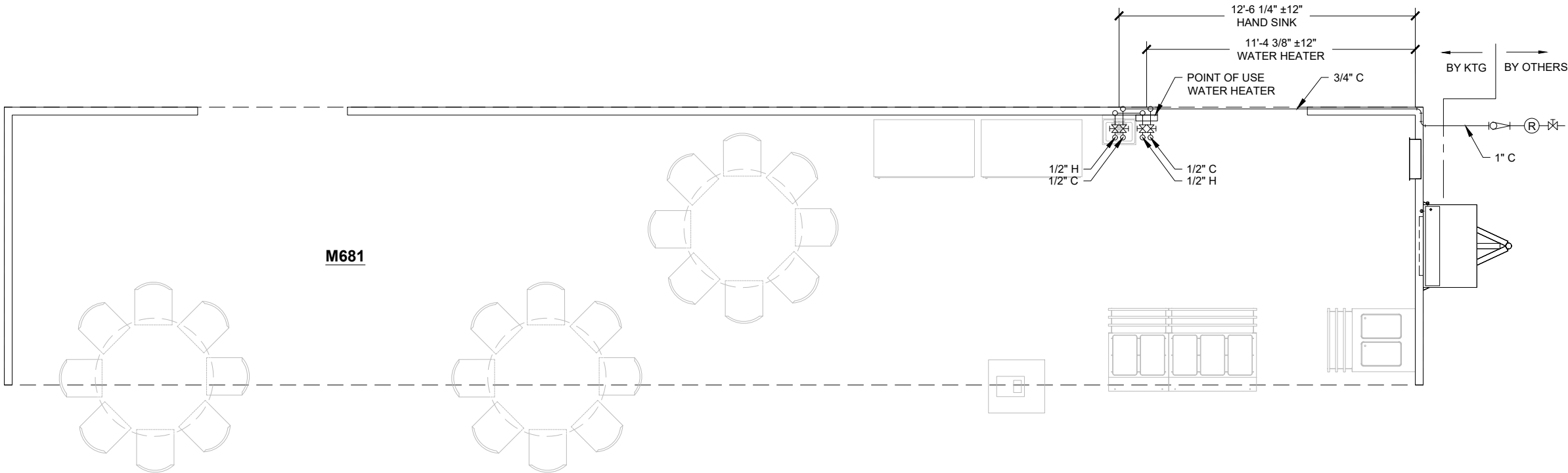
2100 SE Blue Pkwy
Lee's Summit, MO 64063

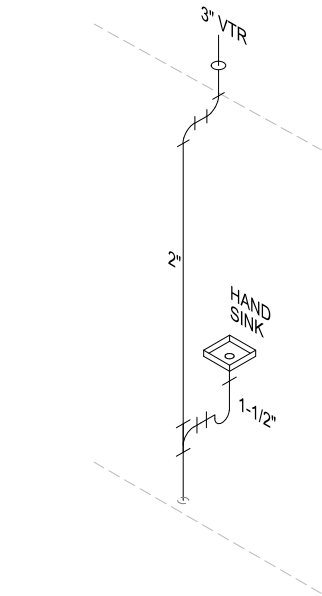
REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: 3/8"=1'-0" 22x34 SCALE: 3/4"=1'-0"			

Fresh Water Plumbing
Schematic

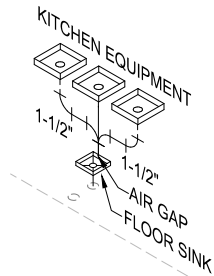
Sheet
(M681) P-601

SUBMITTAL SET

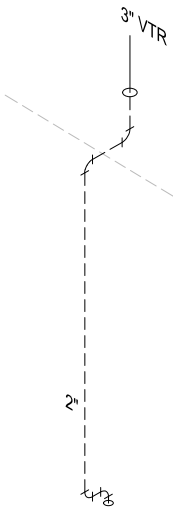




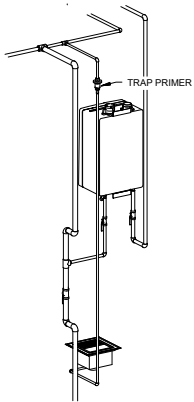
TYPICAL HAND SINK
WASTE WATER DETAIL



TYPICAL WASTE WATER
CONNECTION DETAIL



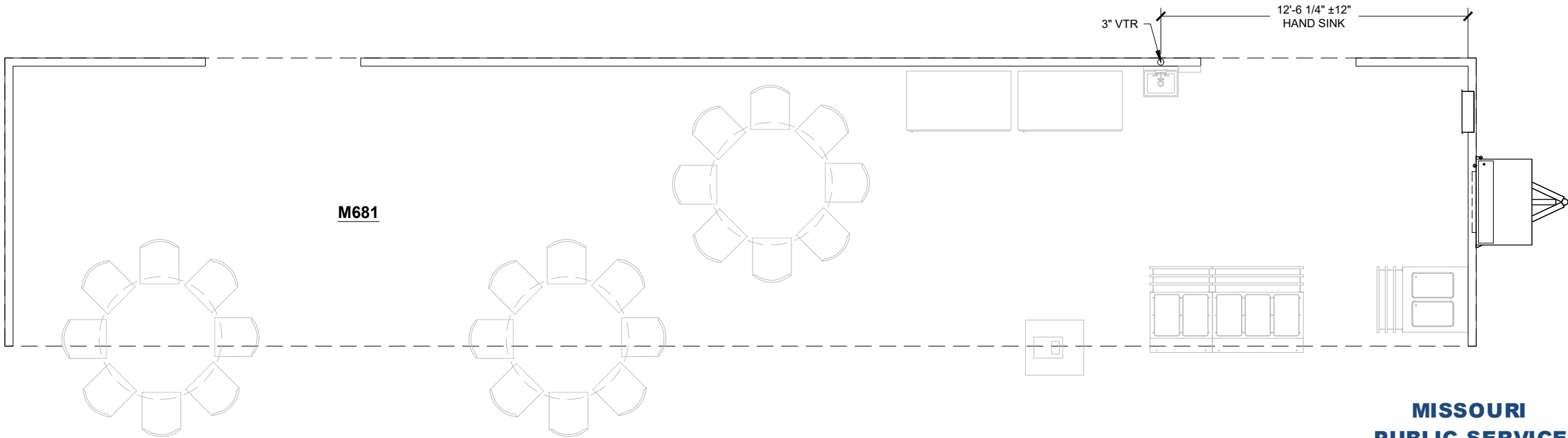
TYPICAL VTR
WASTE WATER DETAIL



TYPICAL TRAP
PRIMER DETAIL

WASTE WATER PLUMBING NOTES:

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT PLUMBING CODES AND REGULATIONS.
2. ALWAYS USE ROUND RUBBER GROMMETS WHENEVER PLUMBING LINES RUN THRU METAL PLATES, SKIN, CURBS, ETC
3. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL 2 HOLE STRAPS AT 3' O.C. MAX.
4. TERMINATION VENT SHALL BE MINIMUM 3 INCHES IN DIAMETER. ANY INCREASE IN THE SIZE OF THE VENT SHALL BE MADE INSIDE THE STRUCTURE A MINIMUM OF 18 INCHES BELOW THE ROOF.
5. DRAIN LINES SHALL BE CPVC DWV WHERE REQUIRED FOR HIGH TEMPERATURE EQUIPMENT, OTHERWISE USE ABS DWV, PVC DWV OR OTHER APPROVED MATERIALS.
6. SEWER LINES FROM FLOOR SINKS SHALL ALL BE SCHEDULE 40 PVC DWV OR SCHEDULE 40 ABS DWV UNLESS OTHERWISE SPECIFIED.
7. FLOOR SINKS SHALL BE MOUNTED FLUSH WITH FINISHED FLOOR.
8. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY KITCHENS TO GO BY MOBILE MODULAR.
9. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED, MAINTAINING A SLOPE OF 1/4" PER FOOT.
10. HVAC & MUA CONDENSATION LINES SHALL BE PVC OR OTHER APPROVED MATERIALS. HVAC & MUA CONDENSATION LINES TO BE CONNECTED TO CLOSEST VTR.
11. WALK-IN COOLER CONDENSATE LINE TO DRAIN TO A APPROVED DRAIN LINE.
12. CLEAN OUTS ARE TO BE READILY ACCESSIBLE ABOVE GRADE (TYP)
13. ALL PLUMBING CONNECTIONS UNDER THE FLOOR TO BE DONE BY G.C. CONNECTIONS UNDER THE FLOOR SHOWN AS A SUGGESTED LAYOUT ONLY.
14. FOR COLD CLIMATE LOCATION:
 - a) IF UNIT IS IN USE MAKE SURE THAT HEAT TAPE IS ALWAYS ON.
 - b) IF THE UNIT IS NOT IN USE OR IS IN STORAGE, DRAIN ALL WATER & WASTE LINES TO AVOID DAMAGE TO PIPES DUE TO EXPOSURE TO FREEZING TEMPERATURES.
16. INDIRECT PLUMBING MUST HAVE A MINIMUM 2" AIR GAP OR 2 TIMES THE PIPE ID, WHICHEVER IS LARGER.
17. WASTE TANK SHALL BE CONSTRUCTED OF POLYPROPYLENE PLASTIC.



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DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: 3/16"=1'-0" 22x34 SCALE: 3/8"=1'-0"			
Waste Water Plumbing Schematic			
Sheet (M681) P-602			

DRAWING INDEX					
SHEET NO.	SHEET CREATED	DESCRIPTION	REV. NUMBER	REV. DATE	REV. NOTE
(M682) G-001		Cover Sheet & Drawing Index			
(M682) I-101		Interior Floor Plan and Equipment List			
(M682) E-101		Electrical Floor Plan Schematic			
(M682) E-601		Electrical Panel Schedule(S)			
(M682) M-101		HVAC Ducting Plan			
(M682) P-601		Fresh Water Plumbing Schematic			
(M682) P-602		Waste Water Plumbing Schematic			

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EQUIPMENT SCHEDULE:
CS = CLIENT SUPPLIED EQUIPMENT

ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10' Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	
22	Stainless Steel Work Table With Undershelf And Overshelf (30"X150")		X	44	Booster Heater	X					

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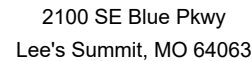
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The floor plan shows a rectangular unit with a dashed line indicating a partition. On the left, there are two identical circular dining areas, each with a table and eight chairs, labeled 59. Below the first dining area is a door labeled 2. In the center, there is a kitchen area with a refrigerator (6), stove (51), sink (19), counter (18), and a cabinet (50). To the right of the kitchen is a bathroom area with a door labeled 2. Further right, there is a closet (56) and a door labeled 14. On the far right, there is a door labeled 62. The plan also shows several windows and a central hallway.

SUBMITTAL SET

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REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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Drawn By: MMS	Approved By: -
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

11x17 SCALE: $\frac{3}{16}"=1'-0"$
22x34 SCALE: $\frac{3}{8}"=1'-0"$

Interior Floor Plan And

Equipment List

Sheet

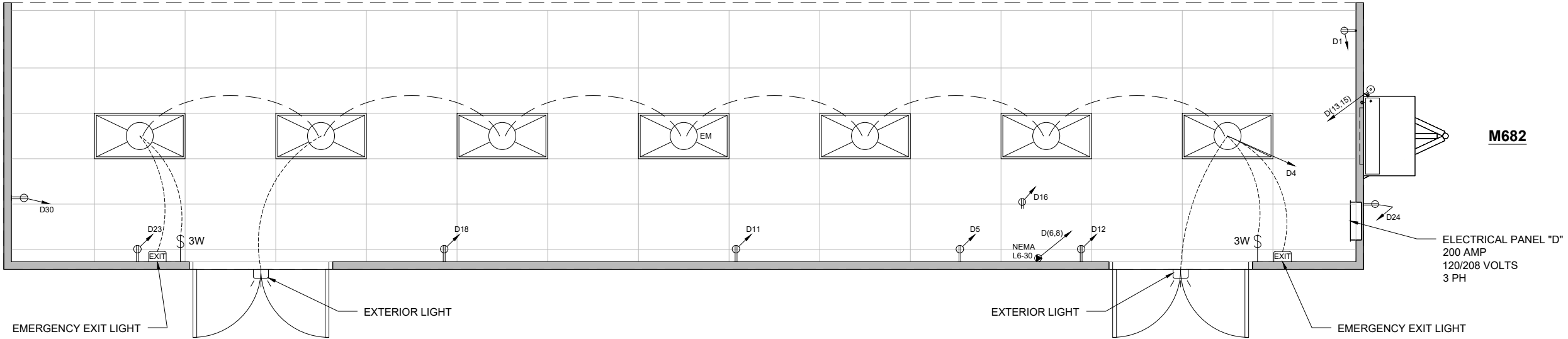
(M682) I-101

NOTES:

- CONDUIT FROM ELECTRICAL PANEL TO EQUIPMENT JUNCTION BOX TO BE RUN INSIDE WALLS, CEILING OR UNDER FLOOR WHERE POSSIBLE.
- ALUMINUM RACEWAY TO BE USED WHEN TRANSITION FROM ELECTRICAL PANEL TO JUNCTION BOX OR JUNCTION BOX TO JUNCTION BOX DOES NOT PERMIT RECESSED CONDUIT.
- WHEN RECESSED JUNCTION BOX IS NOT POSSIBLE, USE A SURFACE MOUNTED ALUMINUM WATER TIGHT JUNCTION BOX.
- ALL VERTICAL DIMENSIONS ARE FROM FINISH FLOOR. ALL HORIZONTAL DIMENSIONS ARE FROM INSIDE FINISH WALL.
- WIRING ABOVE SUSPENDED CEILINGS SHALL BE AC CABLE OR SIMILAR. NM CABLE MAY NOT BE USED ABOVE SUSPENDED CEILINGS.
- NOT USED.
- ALL 120 VOLTS, 15 AND 20 AMP RECEPTACLES TO BE GFCI PROTECTED.
- THE LIGHT INTENSITY SHALL BE AT LEAST 50 FOOT-CANDLES ON ALL FOOD PREPARATION SURFACES AND AT EQUIPMENT OR UTENSIL-WASHING WORK LEVELS.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES AT A DISTANCE OF 30" ABOVE THE FLOOR IN THE FOLLOWING:
 - UTENSIL AND EQUIPMENT STORAGE AREAS.
 - SINKS AND TOILET AREAS.
 - WALK-IN REFRIGERATION UNITS.
 - DRY FOOD STORAGE AREAS.
 - ALL OTHER AREAS.THIS INCLUDES THE AREAS WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE, SUCH AS BUFFETS AND SALAD BARS, AND ROOMS DURING PERIODS OF CLEANING.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES INSIDE EQUIPMENT, SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS.
- EXCEPT AS SPECIFIED IN NOTE 13, LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS:
 - EXPOSED FOOD
 - CLEAN EQUIPMENT, UTENSILS, AND LINENS; OR
 - UNWRAPPED SINGLE-SERVICE AND SINGLE-USE ARTICLES.
- SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT BULBS NEED NOT BE USED ONLY FOR STORING FOOD IN UNOPENED PACKAGE IF THE:
 - INTEGRITY OF THE PACKAGES CANNOT BE AFFECTED BY BROKEN GLASS FALLING ONTO THEM; AND
 - PACKAGES ARE CAPABLE OF BEING CLEANED OF DEBRIS FROM BROKEN BULBS BEFORE THE PACKAGES ARE OPENED.
- AN INFRARED OR OTHER HEAT LAMP SHALL BE PROTECTED AGAINST BREAKAGE BY SHIELD SURROUNDING AND EXTENDING BEYOND THE BULB SO THAT ONLY THE FACE OF THE BULB IS EXPOSED.
- ALL ESSENTIAL ELECTRICAL SYSTEMS AND EMERGENCY SYSTEMS SHALL BE INSTALLED BY OTHERS.
- NOT USED.
- UDS CIRCUIT NUMBERS ARE USED AS A GUIDE ONLY TO LOCATE THE CIRCUITS AND TO CALCULATE THE ELECTRICAL LOAD FOR THE TWO UDS SECTIONS.
- ALL EXIT & EMERGENCY WALL PACK LTS. TO BE CONNECTED TO NEAREST UNSWITCHED LTG. CIRCUIT PER NEC.
- ALL 15 & 20 AMP RATED RECEPTACLES IN KITCHEN SPACE SHALL BE GFI PROTECTED PER NEC.
- MOTOR RATED SWITCH DISCONNECT FOR WATER HEATER.
- PROVIDE SUITABLE DISCONNECT SWITCH FOR AIR CURTAIN IF NOT FACTORY INSTALLED.

ELECTRICAL SYMBOL LEGEND	
	4' - LED LIGHT FIXTURE
	24" X 48" LED (2) TUBE (LAY-IN) W/ PRISMATIC LENS EMERGENCY BATTERY BACKUP
	4' - 4 TUBE FLUORESCENT FIXTURE
	4' - 3 TUBE FLUORESCENT FIXTURE
	SINGLE OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - SURFACE MOUNTED
	FOURPLEX OUTLET - FLUSH MOUNTED
	FOURPLEX OUTLET - SURFACE MOUNTED
	HARDWIRE CONNECTION - FLUSH MOUNTED
	HARDWIRE CONNECTION - SURFACE MOUNTED
	208V OUTLET - FLUSH MOUNTED
	208V OUTLET - SURFACE MOUNTED
	EXHAUST FAN
	SWITCH - FLUSH MOUNTED
	SWITCH - SURFACE MOUNTED
	3-WAY SWITCH - FLUSH MOUNTED
	3-WAY SWITCH - SURFACE MOUNTED
	DENOTES CIRCUIT NUMBER (#8)
	EXT. SCENE LIGHT / ENTRY LIGHT
	VAPOR PROOF LIGHT/HOOD LIGHT
	EMERGENCY EXIT LIGHT

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GAYLORD RANSOM
NUMBER E-27812

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**FDBY LEE'S SUMMIT
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2100 SE Blue Pkwy
Lee's Summit, MO 64063

REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682		
11x17 SCALE: 3/16"=1'-0" 22x34 SCALE: 3/8"=1'-0"			
Electrical Floor Plan Schematic			
Sheet (M682) E-101			

NOTES:

1. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE HOT DIPPED GALVANIZED, ALL FITTINGS SHALL BE OF THE SCREW THREAD TYPE. COUPLINGS, LOCKNUTS, BUSHINGS, ETC., SHALL BE HOT DIPPED GALVANIZED.
2. ELECTRICAL METALLIC TUBING (EMT) SHALL BE GALVANIZED. COUPLINGS AND CONNECTORS SHALL BE GALVANIZED. FITTINGS SHALL BE COMPRESSION TYPE WITH GLAND SEALING RINGS OR SET SCREW TYPE.
3. FLEXIBLE CONDUIT SHALL BE GALVANIZED STEEL OR ALUMINUM. WHERE USED IN DAMP OR WET LOCATIONS FLEXIBLE CONDUIT SHALL BE OF THE LIQUID-TIGHT TYPE WITH OUTER NEOPRENE JACKET AND SUITABLE LIQUID-TIGHT FITTINGS.
4. WIRE AND CABLE FOR USE ON SYSTEMS OF 50 VOLTS TO 600 VOLTS SHALL BE 600 VOLT RATED TYPE THW OR THHN FOR BRANCH CIRCUITS. FEEDERS SHALL BE THHN (THWN IN WET LOCATIONS).
5. WIRE AND CABLE FOR USE ON SYSTEMS OF BELOW 50 VOLTS SHALL BE 300 VOLT PVC INSULATED AND SUITABLE FOR THE CLASS OF WIRING EXCEPT AS OTHERWISE INDICATED OR SPECIFIED.
6. ALL CONDUCTORS SHALL BE COPPER. MIN. SIZE - 12GA THHN (THWN IN WET LOCATIONS)
7. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE USED WHERE EXPOSED TO THE WEATHER, PLACED UNDERGROUND BELOW CONCRETE SLAB, IN CONCRETE OR MASONRY CONSTRUCTION IN CONTACT WITH EARTH.
8. GALVANIZED STEEL ELECTRICAL METALLIC TUBING SHALL BE USED IN ABOVE GROUND, INTERIOR, DRY LOCATIONS PROTECTED FROM WEATHER AND PHYSICAL DAMAGE, AND MAY BE USED IN CONCRETE OR MASONRY CONSTRUCTION NOT IN CONTACT WITH EARTH.
9. FLEXIBLE METALLIC CONDUIT SHALL BE USED TO CONNECT CONDUIT SYSTEMS TO MOTORS, DIRECT WIRED AND VIBRATING EQUIPMENT AND AS A FINAL CONNECTION TO LIGHTING FIXTURES (6' MAX) IN ACCESSIBLE CEILINGS. IT MAY BE USED AS A WIRING SYSTEM INSTEAD OF EMT IN INTERIOR WALLS ONLY (DRY FRAME OR STUD CONSTRUCTION).
10. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR FINAL ELECTRICAL CONNECTIONS TO ROOF TOP OR OTHER EQUIPMENT EXPOSED TO THE ENVIRONMENT.

LEE SUMMIT MEDICAL CENTER																							
200 AMP				120/208V/OLTS				4 WIRE				60HZ				3PH				M682 - D			
							PHASE																
AWG	COLOR	ITEM	TYPE LOAD	P	AMPS	CIRC.	A		B		C		P	AMPS	CIRC.	TYPE LOAD	ITEM	AWG	COLOR				
12	B	RECEPT	R	1	20	1	800	0							2		SPACE						
		SPACE				3			0	800			1	20	4	L	LIGHTS	12	R				
12	BL	FOUNTAIN BEVERAGE MACHINE	K	1	20	5					1116	2496	2	30	6	K	COFFEE BREWER	10	BL				
		51															18						
		SPACE				7	0	2496					-	30	8	K	"	10	B				
		SPACE				9			0	0					10		SPACE						
12	BL	RECEPT	R	1	20	11					1200	1200	1	20	12	K	OPEN AIR MERCHANDISER	12	BL				
4	B	HVAC 5T/15KW	H	2	90	13	8840	0					1	20	14		50						
4	R	"	H	-	90	15			8840	600			1	20	16	CL	HEAT TAPE	12	R				
		SPACE				17					0	1200	1	20	18	R	RECEPT	12	BL				
		SPACE				19	0	0							20		SPACE						
		SPACE				21			0	0					22		SPACE						
12	BL	RECEP	R	1	20	23					1200	1200	1	20	24	R	SERVICE RECEPTACLE	12	BL				
		SPACE				GFI																	
		SPACE				25	0	0							26		SPACE						
		SPACE				27			0	0					28		SPACE						
		SPACE				29					0	1200	1	20	30	R	RECEPT	12	BL				
							9640	2496	8840	1400	3516	7296											
							12136		10240		10812												
							CONN. VA		DEMAND FACTOR		DEMAND VA		LOAD TYPE KEY:										
TOTAL KITCHEN LOAD							=	7308	X	0.8	5846.4		K = KITCHEN LOAD										
TOTAL LIGHTING LOAD							=	800	X	1.25	1000.0		L = LIGHTING LOAD										
TOTAL NON-CONT. LOAD							=	0	X	1	0.0		NC = NON-CONTINUOUS LOAD										
TOAL RECEPTACLE LOAD							=	6800	X	1	6800.0		R = RECEPTACLE LOAD										
TOTAL CONTINUOUS LOAD							=	600	X	1.25	750.0		CL = CONTINUOUS LOAD										
TOTAL HVAC LOAD							=	17680	X	1	17680.0		H = HVAC LOAD										
LARGEST MOTOR LOAD							=	0	X	1.25	0.0		LM = LARGEST MOTOR LOAD										
TOTAL MISC. LOAD							=	0	X	1	0.0		M = MSC.										
TOTAL VA PANEL "A"							=	33188			32076.4												
TOTAL VA							=	33188			32076.4												
TOAL AMPS							=	92.1			89.0												
							TOTAL= 33188 VA																
							I = 92.1 AMPS																

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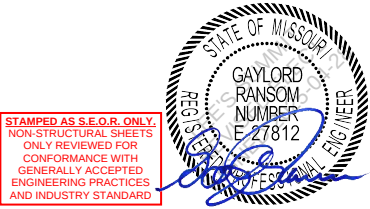
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1	04-25-25	Per Deviation Report	MMS
REV.	DATE	DESCRIPTION	NAME

DELTA 1		REV 1	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

11x17 SCALE: N/A
22x34 SCALE: N/A

Electrical Panel Schedule(S)

Sheet

(M682) E-601



DIFFUSER INSTALLATION NOTES

1. ACOUSTICAL LAY-IN T-BAR CEILING, SEE ARCHITECTURAL DRAWINGS.
2. TYPICAL LAY-IN DIFFUSER.
3. #7 x 1/2" S/M SCREWS, (4" O.C. MIN.) TAPE w/ 2" MASTIC TAPE.
4. SUPPORT DIFFUSER WITH (4) 1-1/2" x 26 GA. GALVANIZED S/M STRAPS, SECURE TO STRUCTURE ABOVE.
5. SHEET METAL SCREW, (TYPICAL).
6. VOLUME DAMPER
7. FLEXIBLE DUCT
8. SPIN-IN FITTING W/ BUTTERFLY DAMPER
9. "D" IS THE THROAT DIAMETER

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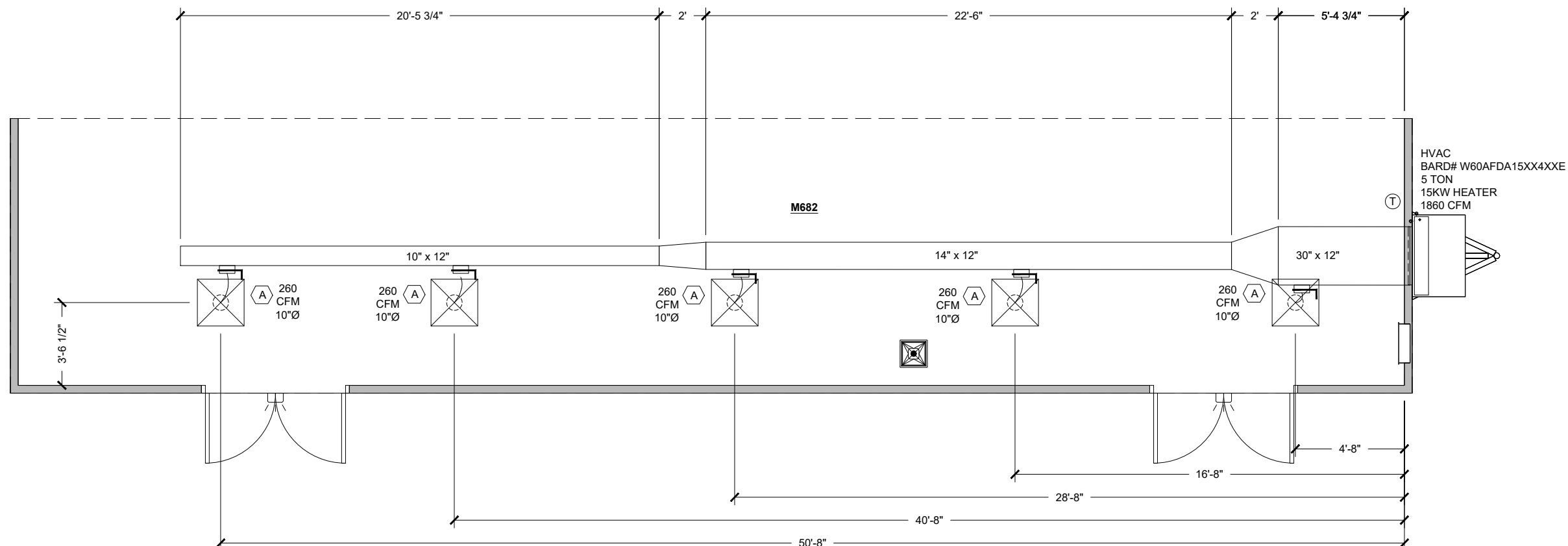
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- NOTES:
1. THERMOSTAT TO BE LOCATED 48" A.F.F.
 2. LOW PRESSURE DUCTWORK SHALL BE CONSTRUCTED OF ZINC COATED SHEET STEEL OR DUCT BOARD.
 3. ZINC COATED SHEET STEEL SHALL CONFORM TO THE LATEST VERSION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS.
 4. DUCT BOARD SHALL CONFORM TO THE LATEST VERSION OF SMACNA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS OR NAIMA FIBROUS GLASS DUCT CONSTRUCTION STANDARDS.
 5. FLEXIBLE AIR DUCT FOR CONNECTIONS BETWEEN LOW PRESSURE DUCT TO DIFFUSERS SHALL BE EQUAL TO THERMAFLEX G-KM. DUCT SHALL BE LISTED BY UNDERWRITER'S LABORATORIES UNDER UL 181 STANDARDS AS CLASS 1 FLEXIBLE AIR DUCT MATERIAL AND SHALL COMPLY WITH NFPA STANDARDS 90A AND 90B. DUCT SHALL BE RATED TO OPERATE AT PRESSURES UP TO 6" W.G. (1500 PA) FOR SIZES 16" AND SMALLER. MAXIMUM LENGTH OF FLEXIBLE AIR DUCT SHALL BE 7 FEET.
 6. KEEP ALL OUTSIDE AIR INTAKES 10' FROM EXHAUST AIR VENTS PER CODE.
 7. INSULATE DUCT ABOVE CEILING WITH R-6 DUCT WRAP. MASTIC AND SEAL ALL JOINTS.
 8. THE DUCTWORK AND EQUIPMENT ARE SHOWN DIAGRAMMATIC. FIELD VERIFY DIMENSIONS PRIOR TO FABRICATION AND INSTALLATION.
 9. AIR FLOW SHALL BE BALANCED TO OBTAIN QUANTITIES SHOWN ON FLOOR PLANS. CAREFULLY ADJUST DAMPERS FOR ALL DUCTWORK AND AIR OUTLETS AND RECORD READINGS WHICH CORRESPOND TO THE DESIGN FLOW RATES AT EACH OUTLET. TEST AND BALANCE THE COMPLETE AIRSIDE SYSTEM IN ACCORDANCE WITH "SMACNA T.A.B." PROCEDURES.
 10. MODULES MAY HAVE EXISTING DUCTWORK INSTALLED. IF DUCTWORK DIMENSIONS ARE THE SAME OR LARGER AS DUCTWORK SHOWN EXISTING DUCTWORK SHALL BE REUSED AND REMAIN IN PLACE.
 11. AC UNIT OUTSIDE AIR DAMPER TO BE POSITIONED TO PROVIDE THE FLOWRATE SHOWN BELOW.

MARK	DESCRIPTION
	T-BAR DIRECTIONAL VOLUME DIFFUSERS. FULL SIZE SQUARE 2x2' DIRECTIONAL T-BAR DIFFUSER, ROUND COLLAR, SEISMIC SUPPORT HANGERS, SHOEMAKER 105PD SERIES PERFORATED T-BAR DIFFUSERS.



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REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

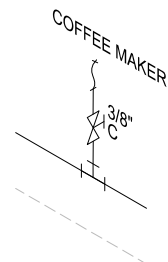
11x17 SCALE: $\frac{3}{16}''=1'-0''$
22x34 SCALE: $\frac{3}{8}''=1'-0''$

HVAC Ducting Plan

Sheet

(M682) M-101

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT CODES AND REGULATIONS.
2. USE PEX (WHEN NOT VISUALLY EXPOSED TO INTERIOR OR EXTERIOR) OR COPPER PIPE TYPE K OR L WHEN EXPOSED TO PLUMB WATER LINES UNLESS OTHERWISE SPECIFIED.
3. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL. 2 HOLE STRAPS AT 3' O.C. MAX.
4. ALWAYS USE ROUND RUBBER GROMMETS WHENEVER PLUMBING LINES RUN THRU METAL PLATES, SKIN, CURB, ETC.
5. PRESSURE TEST WATER LINES (90-100 PSI) FOR LEAKS PRIOR TO EQUIPMENT FINAL CONNECTIONS.
6. FOR STORAGE: DRAIN WATER LINES.
7. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY CARLIN MANUFACTURING
8. FOR MOP SINK USE 8" ADJ. SERVICE SINK FAUCET WITH SHORT SPOUT AND VACUUM BREAKER.
9. WRAP ALL HOT WATER LINES WITH PIPE INSULATION.
10. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED.
11. PRESSURE AVAILABLE ON SITE TO BE MAXIMUM 55PSI - MINIMUM 40PSI.
12. FOR COLD CLIMATE LOCATION ;
 - 12.1. IF UNIT IS IN USE MAKE SURE THAT THE HEAT TAPE IS ALWAYS "ON"
 - 12.2. IF THE UNIT IS NOT IN USE OR IN STORAGE, DRAIN ALL WATER AND WASTE LINES TO AVOID DAMAGE TO PIPES DUE TO EXPOSURE TO FREEZING TEMPERATURES.
13. WHEN METAL FITTINGS (PEX) ARE EXPOSED TO METAL WALL STRUCTURAL, NEED TO ADD A THERMAL BREAK.
14. WRAP ALL HOT & COLD PIPING THAT RUNS UNDER THE FLOOR WITH PIPE INSULATION.
15. WATER HEATER TEMPERATURE CAN BE ADJUSTED FROM 120°F TO 140°F.
16. WATER FILTRATION FOR COFFEE BREWER AND FOUNTAIN BEVERAGE MACHINE PROVIDED BY CLIENT.



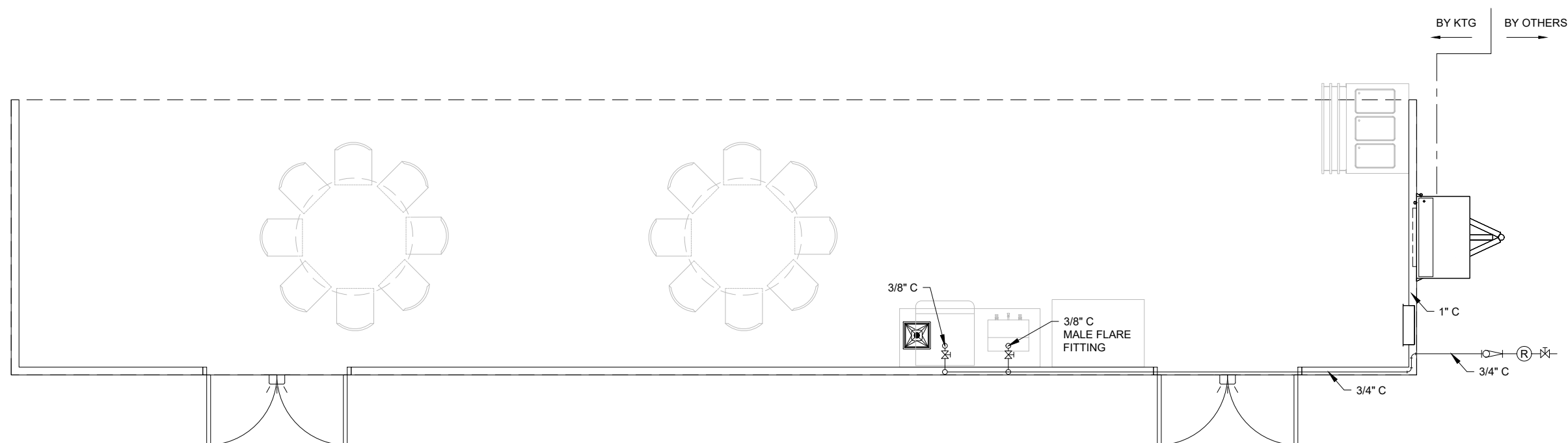
TYPICAL FRESH WATER CONNECTION DETAIL

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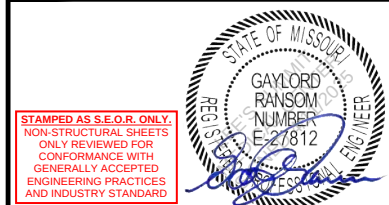
SYM	DESCRIPTION
H	HOT WATER LINE
C	COLD WATER LINE
	PRESSURE REGULATOR
	VALVE, BRASS BALL
	TEE
	90° ELBOW
	FLEX HOSE ASSEMBLY (S.S. BRAIDED MPT x FPT SWIVEL)
	QUICK DISCONNECT
	VALVE 3-WAY
	PUMP
	VACUUM BREAKER
	REDUCER
	CHECK VALVE
	POINT OF CONNECTION
	WATER FILTRATION SYSTEM
	PENETRATION
	HOSE BIBB
	CAP
	BOILER DRAIN VALVE
	PRESSURE RELIEF VALVE
	UNION

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REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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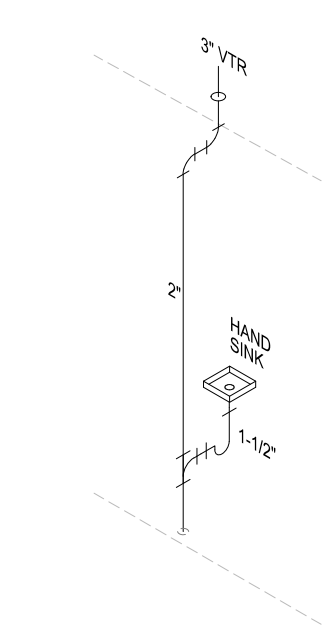
QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

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22x34 SCALE: $\frac{3}{8}''=1'-0''$

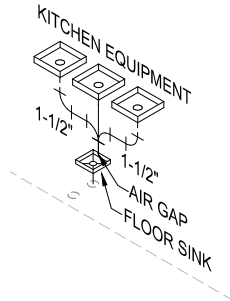
Fresh Water Plumbing Schematic

Sheet

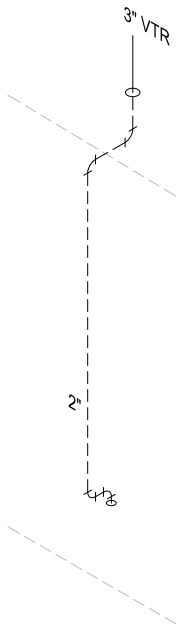
(M682) P-601



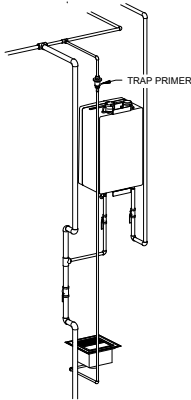
TYPICAL HAND SINK
WASTE WATER DETAIL



TYPICAL WASTE WATER
CONNECTION DETAIL



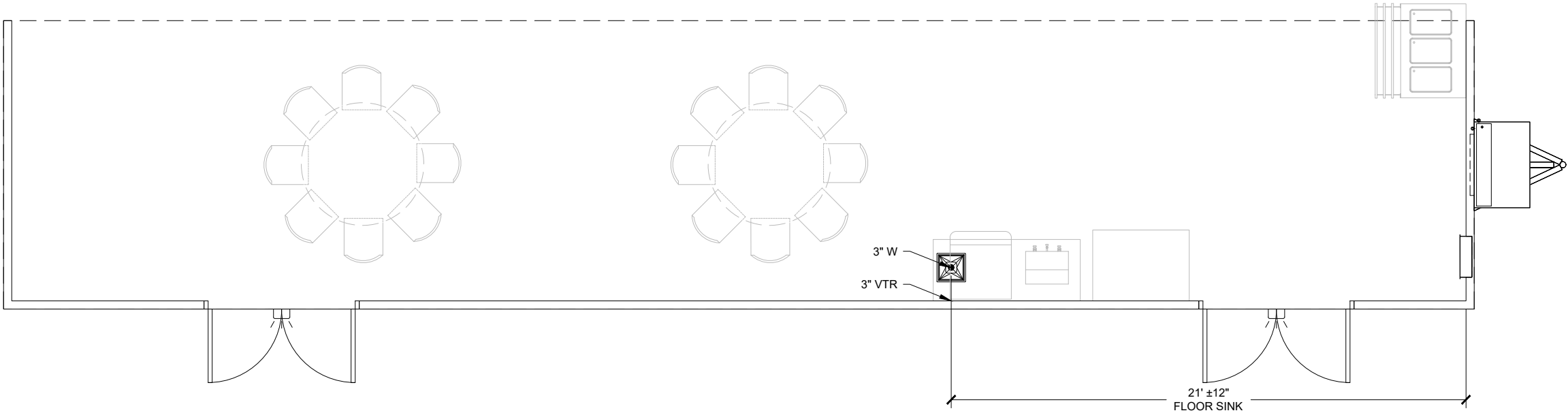
TYPICAL VTR
WASTE WATER DETAIL



TYPICAL TRAP
PRIMER DETAIL

- NOTES:
1. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL 2 HOLE STRAPS AT 3' O.C. MAX. TERMINATION VENT SHALL BE MINIMUM 2 INCHES IN DIAMETER. ANY INCREASE IN THE SIZE OF THE VENT SHALL BE MADE INSIDE THE STRUCTURE A MINIMUM OF 18 INCHES BELOW THE ROOF.
 2. ALL PLUMBING LINES SHALL BE OF SCHEDULE 40 PVC DWV OR SCHEDULE 40 ABS DWV UNLESS OTHERWISE SPECIFIED.
 3. SEWER LINES FROM FLOOR SINKS SHALL ALL BE SCHEDULE 40 PVC DWV OR SCHEDULE 40 ABS DWV UNLESS OTHERWISE SPECIFIED.
 4. FLOOR SINKS SHALL BE MOUNTED WITH EPOXY FLOOR RUN OVER THE EDGE AND DOWN TO THE BOTTOM OF THE VERTICALEGE OF THE FLOOR SINK.
 5. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY CARLIN MANUFACTURING.
 6. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED.
 7. WALK-IN COOLER CONDENSATE LINE TO DRAIN TO A APPROVED DRAIN LINE.
 8. ALL VENTS SHALL TERMINATE 18" MIN. ABOVE ROOF FINISH LINE UNLESS OTHERWISE SPECIFIED.
 9. HVAC CONDENSATION LINES SHALL DRAIN BY MEANS OF AN INDIRECT WASTE PIPE. THE WASTE PIPE SHALL HAVE A SLOPE NOT LESS THAN 1/8 INCH PER FOOT.
 10. CLEAN OUTS ARE TO BE READILY ACCESSIBLE ABOVE GRADE (TYP)
 11. FOR STORAGE, BLOW OUT WITH COMPRESSED AIR ALL WATER LINES.
 12. ADD MIXING VALVE TO DISHWASHER AND CONVECTION STEAMER TO REDUCE TEMPERATURE OF WATER COMING OUT OF THE DRAIN PIPE.
 13. ALL PLUMBING CONNECTIONS UNDER THE FLOOR TO BE DONE BY G.C. CONNECTIONS UNDER THE FLOOR SHOWN AS A SUGGESTED LAYOUT ONLY.
 - 14.

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STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
GAYLORD RANSOM
NUMBER E-27812
EXPIRATION DATE 06/30/2026

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**FDBY LEE'S SUMMIT
MEDICAL CENTER**

2100 SE Blue Pkwy
Lee's Summit, MO 64063

REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682		
11x17 SCALE: 3/16"=1'-0" 22x34 SCALE: 3/8"=1'-0"			
Waste Water Plumbing Schematic			
Sheet (M682) P-602			

SUBMITTAL SET

LEE'S SUMMIT
MEDICAL CENTER
WASH UNIT - M820

DRAWING INDEX

SHEET NO.	SHEET CREATED	DESCRIPTION	REV. NUMBER	REV. DATE	REV. NOTE
(M820) G-001		Cover Sheet & Drawing Index			
(M820) I-101		Interior Floor Plan and Equipment List			
(M820) E-101		Electrical Floor Plan Schematic			
(M820) E-601		Electrical Panel Schedule(S)			
(M820) M-101		HVAC Ducting Plan			
(M820) P-601		Fresh Water Plumbing Schematic			
(M820) P-602		Waste Water Plumbing Schematic			
(M820) P-603		Gas Plumbing Schematic			

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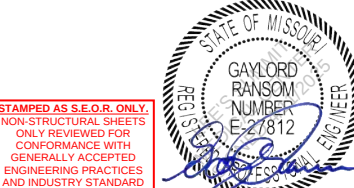
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DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

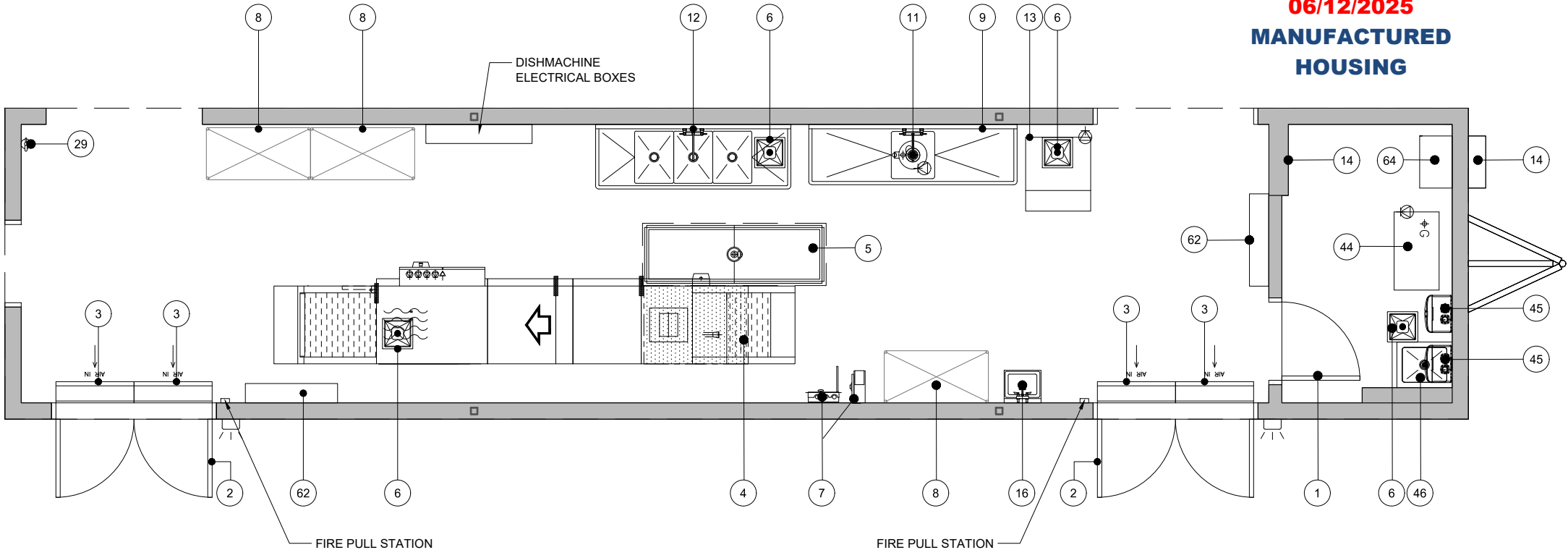
11x17 SCALE: N/A
22x34 SCALE: N/A

Cover Sheet & Drawing Index

Sheet

(M820) G-001

EQUIPMENT SCHEDULE:											
CS = CLIENT SUPPLIED EQUIPMENT											
ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10" Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	
22	Stainless Steel Work Table With Undershelf And Overshelf (30"X150")		X	44	Booster Heater	X					



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2100 SE Blue Pkwy
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REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: 3/16"=1'-0"			
22x34 SCALE: 3/8"=1'-0"			

Interior Floor Plan And
Equipment List

Sheet
(M820) I-101

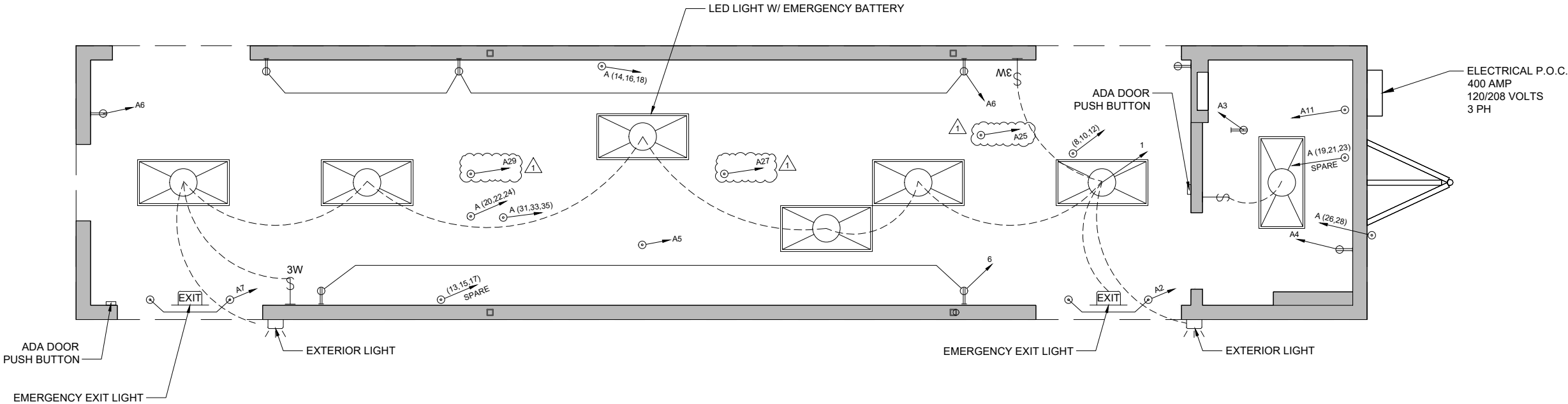
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NOTES:

- CONDUIT FROM ELECTRICAL PANEL TO EQUIPMENT JUNCTION BOX TO BE RUN INSIDE WALLS, CEILING OR UNDER FLOOR WHERE POSSIBLE.
- ALUMINUM RACEWAY TO BE USED WHEN TRANSITION FROM ELECTRICAL PANEL TO JUNCTION BOX OR JUNCTION BOX TO JUNCTION BOX DOES NOT PERMIT RECESSED CONDUIT.
- WHEN RECESSED JUNCTION BOX IS NOT POSSIBLE, USE A SURFACE MOUNTED ALUMINUM WATER TIGHT JUNCTION BOX.
- ALL VERTICAL DIMENSIONS ARE FROM FINISH FLOOR. ALL HORIZONTAL DIMENSIONS ARE FROM INSIDE FINISH WALL.
- WIRING ABOVE SUSPENDED CEILINGS SHALL BE AC CABLE OR SIMILAR. NM CABLE MAY NOT BE USED ABOVE SUSPENDED CEILINGS.
- NOT USED.
- ALL 120 VOLTS, 15 AND 20 AMP RECEPTACLES TO BE GFCI PROTECTED.
- THE LIGHT INTENSITY SHALL BE AT LEAST 50 FOOT-CANDLES ON ALL FOOD PREPARATION SURFACES AND AT EQUIPMENT OR UTENSIL-WASHING WORK LEVELS.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES AT A DISTANCE OF 30" ABOVE THE FLOOR IN THE FOLLOWING:
 - UTENSIL AND EQUIPMENT STORAGE AREAS.
 - SINKS AND TOILET AREAS.
 - WALK-IN REFRIGERATION UNITS.
 - DRY FOOD STORAGE AREAS.
 - ALL OTHER AREAS.THIS INCLUDES THE AREAS WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE, SUCH AS BUFFETS AND SALAD BARS, AND ROOMS DURING PERIODS OF CLEANING.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES INSIDE EQUIPMENT, SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS.
- EXCEPT AS SPECIFIED IN NOTE 13, LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS:
 - EXPOSED FOOD
 - CLEAN EQUIPMENT, UTENSILS, AND LINENS; OR
 - UNWRAPPED SINGLE-SERVICE AND SINGLE-USE ARTICLES.
- SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT BULBS NEED NOT BE USED ONLY FOR STORING FOOD IN UNOPENED PACKAGE IF THE:
 - INTEGRITY OF THE PACKAGES CANNOT BE AFFECTED BY BROKEN GLASS FALLING ONTO THEM; AND
 - PACKAGES ARE CAPABLE OF BEING CLEANED OF DEBRIS FROM BROKEN BULBS BEFORE THE PACKAGES ARE OPENED.
- AN INFRARED OR OTHER HEAT LAMP SHALL BE PROTECTED AGAINST BREAKAGE BY SHIELD SURROUNDING AND EXTENDING BEYOND THE BULB SO THAT ONLY THE FACE OF THE BULB IS EXPOSED.
- ALL ESSENTIAL ELECTRICAL SYSTEMS AND EMERGENCY SYSTEMS SHALL BE INSTALLED BY OTHERS.
- ALL EXIT & EMERGENCY WALL PACK LTS. TO BE CONNECTED TO NEAREST UNSWITCHED LTG. CIRCUIT PER NEC.
- ALL 15 & 20 AMP RATED RECEPTACLES IN KITCHEN SPACE SHALL BE GFI PROTECTED PER NEC.
- MOTOR RATED SWITCH DISCONNECT FOR WATER HEATER.
- PROVIDE SUITABLE DISCONNECT SWITCH FOR AIR CURTAIN IF NOT FACTORY INSTALLED.

ELECTRICAL SYMBOL LEGEND	
	4' - LED LIGHT FIXTURE
	24" X 48" LED (2) TUBE (LAY-IN) W/ PRISMATIC LENS EMERGENCY BATTERY BACKUP
	4' - 4 TUBE FLUORESCENT FIXTURE
	4' - 3 TUBE FLUORESCENT FIXTURE
	SINGLE OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - SURFACE MOUNTED
	FOURPLEX OUTLET - FLUSH MOUNTED
	FOURPLEX OUTLET - SURFACE MOUNTED
	HARDWIRE CONNECTION - FLUSH MOUNTED
	HARDWIRE CONNECTION - SURFACE MOUNTED
	208V OUTLET - FLUSH MOUNTED
	208V OUTLET - SURFACE MOUNTED
	EXHAUST FAN
	SWITCH - FLUSH MOUNTED
	SWITCH - SURFACE MOUNTED
	3-WAY SWITCH - FLUSH MOUNTED
	3-WAY SWITCH - SURFACE MOUNTED
	DENOTES CIRCUIT NUMBER (#8)
	EXT. SCENE LIGHT / ENTRY LIGHT
	VAPOR PROOF LIGHT/HOOD LIGHT
	EMERGENCY EXIT LIGHT

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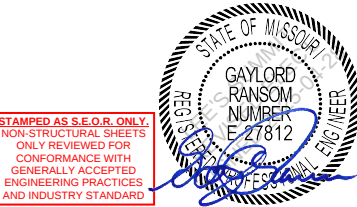
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1	04-25-25	Per Deviation Report	MMS
REV.	DATE	DESCRIPTION	NAME

DELTA 1 | REV 1

Drawn By: MMS	Approved By: -
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682

11x17 SCALE: 3/16"=1'-0"
22x34 SCALE: 3/8"=1'-0"

Electrical Floor Plan
Schematic

Sheet
(M820) E-101

NOTES:

1. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE HOT DIPPED GALVANIZED, ALL FITTINGS SHALL BE OF THE SCREW THREAD TYPE. COUPLINGS, LOCKNUTS, BUSHINGS, ETC., SHALL BE HOT DIPPED GALVANIZED.
2. ELECTRICAL METALLIC TUBING (EMT) SHALL BE GALVANIZED. COUPLINGS AND CONNECTORS SHALL BE GALVANIZED. FITTINGS SHALL BE COMPRESSION TYPE WITH GLAND SEALING RINGS OR SET SCREW TYPE.
3. FLEXIBLE CONDUIT SHALL BE GALVANIZED STEEL OR ALUMINUM. WHERE USED IN DAMP OR WET LOCATIONS FLEXIBLE CONDUIT SHALL BE OF THE LIQUID-TIGHT TYPE WITH OUTER NEOPRENE JACKET AND SUITABLE LIQUID-TIGHT FITTINGS.
4. WIRE AND CABLE FOR USE ON SYSTEMS OF 50 VOLTS TO 600 VOLTS SHALL BE 600 VOLT RATED TYPE THW OR THHN FOR BRANCH CIRCUITS. FEEDERS SHALL BE THHN (THWN IN WET LOCATIONS).
5. WIRE AND CABLE FOR USE ON SYSTEMS OF BELOW 50 VOLTS SHALL BE 300 VOLT PVC INSULATED AND SUITABLE FOR THE CLASS OF WIRING EXCEPT AS OTHERWISE INDICATED OR SPECIFIED.
6. ALL CONDUCTORS SHALL BE COPPER. MIN. SIZE - 12GA THHN (THWN IN DAMP LOCATIONS).
7. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE USED WHERE EXPOSED TO THE WEATHER, PLACED UNDERGROUND BELOW CONCRETE SLAB, IN CONCRETE OR MASONRY CONSTRUCTION IN CONTACT WITH EARTH.
8. GALVANIZED STEEL ELECTRICAL METALLIC TUBING SHALL BE USED IN ABOVE GROUND, INTERIOR, DRY LOCATIONS PROTECTED FROM WEATHER AND PHYSICAL DAMAGE, AND MAY BE USED IN CONCRETE OR MASONRY CONSTRUCTION NOT IN CONTACT WITH EARTH.
9. FLEXIBLE METALLIC CONDUIT SHALL BE USED TO CONNECT CONDUIT SYSTEMS TO MOTORS, DIRECT WIRED AND VIBRATING EQUIPMENT AND AS A FINAL CONNECTION TO LIGHTING FIXTURES (6' MAX) IN ACCESSIBLE CEILINGS. IT MAY BE USED AS A WIRING SYSTEM INSTEAD OF EMT IN INTERIOR WALLS ONLY (DRY FRAME OR STUD CONSTRUCTION).
10. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR FINAL ELECTRICAL CONNECTIONS TO ROOF TOP OR OTHER EQUIPMENT EXPOSED TO THE ENVIRONMENT.

LEE SUMMIT MEDICAL CENTER																									
400 AMP						120/208VOLTS				4 WIRE				60HZ				3PH				M820 - A			
							PHASE																		
AWG	COLOR	ITEM	TYPE LOAD	P	AMPS	CIRC.	A		B		C		P	AMPS	CIRC.	TYPE LOAD	ITEM	AWG	COLOR						
12	B	EXIT/EMERGENCY LT. INTERIOR & EXT. LTS	L	1	20	1	672	1200					1	20	2	R	AIR CURTAIN, RECEPT	12	B						
12	R	HEAT TAPE RECEPT	CL	1	20	3			600	200			1	20	4	K	INST. WTR. HTR. GAS	12	R						
12	BL	EXH. FAN RTU	H	1	20	5					456	1200	1	20	6	R	RECEPTS	12	BL						
12	B	AIR CURTAIN	K	1	20	7	576	5163					3	50	8	H	RTU 7.5 TON, GAS	8	B						
12	R	SPARE	K	1	20	9			600	5163			-	50	10	H	"	8	R						
12	BL	H.W. BOOSTER HEATER	K	1	20	11					360	5163	-	50	12	H	"	8	BL						
8	B	SPARE	K	3	45	13	0	839					2	20	14	K	GARBAGE DISPOSER	12	B						
8	R	"	K	-	45	15			0	839			-	20	16	K	"	12	R						
8	BL	"	K	-	45	17					0	839	1	20	18	K	"	12	BL						
10	B	BOOSTER HEATER 9KW - SPARE	K	3	30	19	0	5000					3	60	20	K	DISH MACHINE HEATER 15KW	6	B						
10	R	"	K	-	30	21			0	5000			-	60	22	K	"	6	R						
10	BL	"	K	-	30	23					0	5000	-	60	24	K	"	6	BL						
12	B	HEAT TAPE	NC	2	25	25	600	2080					2	30	26	K	MINI SPLIT UNIT, 2 TON	10	B						
12	R	HEAT TAPE	NC	-	25	27			600	2080			-	30	28	K	"	10	R						
12	BL	HEAT TAPE	NC	1	20	29					600	0			30		SPACE								
4/O		DISH MACHINE	K	3	250	31	22213																		
4/O		"	K	-	250	33			22213																
4/O		"	K	-	250	35					22213														
							24061	14282	24013	13282	23629	12202													
							38343		37295		35831														
							CONN. VA		DEMAND FACTOR		DEMAND VA		LOAD TYPE KEY: K = KITCHEN LOAD L = LIGHTING LOAD NC = NON-CONTINUOUS LOAD R = RECEPTACLE LOAD CL = CONTINUOUS LOAD H = HVAC LOAD LM = LARGEST MOTOR LOAD M = MISC.												
TOTAL KITCHEN LOAD							=	85692	X	0.8	68553.6														
TOTAL LIGHTING LOAD							=	672	X	1.25	840.0														
TOTAL NON-CONT. LOAD							=	0	X	1	0.0														
TOTAL RECEPTACLE LOAD							=	2400	X	1	2400.0														
TOTAL CONTINUOUS LOAD							=	600	X	1.25	750.0														
TOTAL HVAC LOAD							=	15489	X	1	15489.0														
LARGEST MOTOR LOAD							=	0	X	1.25	0.0														
TOTAL MISC. LOAD							=	10456	X	1	10456.0														
TOTAL VA PANEL "A"							=	115309			98488.6														
TOTAL VA							=	115309			98488.6														
TOAL AMPS							=	320.1			273.4														
							TOTAL=		111469		VA														
							I =		309.4		AMPS														

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NUMBER E-27812

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QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

11x17 SCALE: N/A
22x34 SCALE: N/A

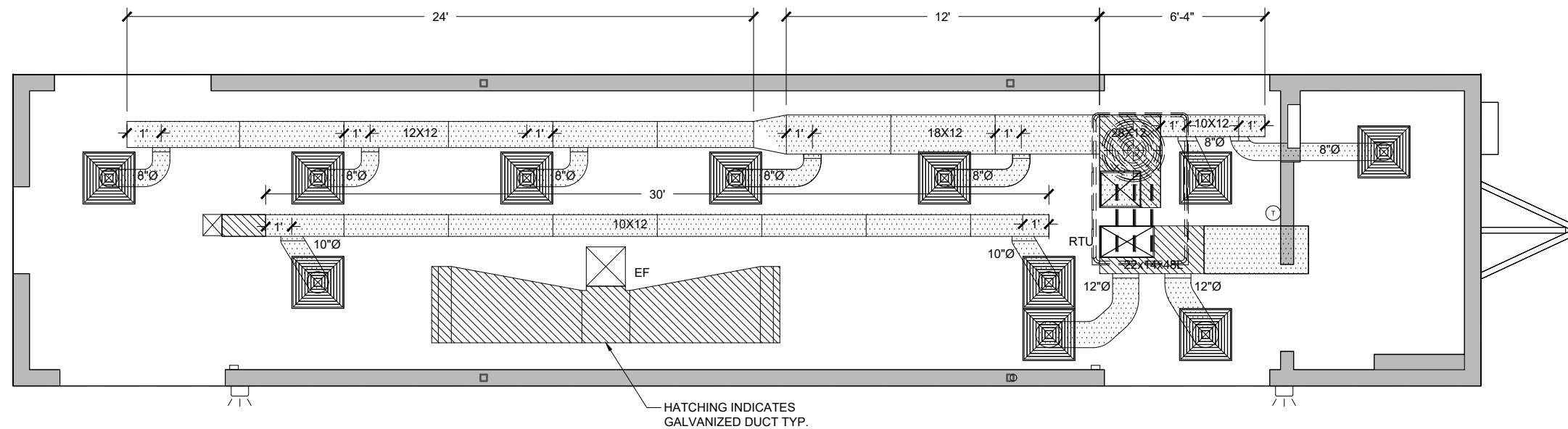
Electrical Panel Schedule(S)

Sheet
(M820) E-601

1. ALL DUCT WORK TO BE 13/16" FIBERGLASS INSULATED DUCT BOARD UNLESS NOTED OTHERWISE.

MUA - MAKE UP AIR UNIT (HVAC)
EF - EXHAUST FAN
RTU- ROOF TO UNIT (HVAC)

T THERMOSTAT



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DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

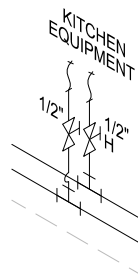
11x17 SCALE: $\frac{3}{16}''=1'-0''$
22x34 SCALE: $\frac{3}{8}''=1'-0''$

HVAC Ducting Plan

Sheet

(M820) M-101

1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT CODES AND REGULATIONS .
2. USE (WHEN NOT VISUALLY EXPOSED TO INTERIOR OR EXTERIOR) COPPER PIPE TYPE K OR L WHEN EXPOSED TO PLUMB WATER LINES UNLESS OTHERWISE SPECIFIED.
3. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL. 2 HOLE STRAPS AT 3' O.C. MAX.
4. ALWAYS USE ROUND RUBBER GROMMETS WHENEVER PLUMBING LINES RUN THRU METAL PLATES, SKIN, CURB, ETC.
5. PRESSURE TEST WATER LINES (90-100 PSI) FOR LEAKS PRIOR TO EQUIPMENT FINAL CONNECTIONS.
6. FOR STORAGE: DRAIN WATER LINES.
7. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY CARLIN MANUFACTURING
8. FOR MOP SINK USE 8" ADJ. SERVICE SINK FAUCET WITH SHORT SPOUT AND VACUUM BREAKER.
9. WRAP ALL HOT WATER LINES WITH PIPE INSULATION.
10. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED.
11. PRESSURE AVAILABLE ON SITE TO BE MAXIMUM 55PSI - MINIMUM 40PSI.
12. FOR COLD CLIMATE LOCATION;
 - 1) IF UNIT IS IN USE MAKE SURE THAT THE HEAT TAPE IS ALWAYS "ON".
 - 2) IF THE UNIT IS NOT IN USE OR IN STORAGE, DRAIN ALL WATER AND WASTE LINES TO AVOID DAMAGE TO PIPES DUE WHEN METAL FITTINGS ARE EXPOSED TO METAL WALL STRUCTURAL, NEED TO ADD A THERMAL BREAK.
13. WRAP ALL HOT & COLD PIPING THAT RUNS UNDER THE FLOOR WITH PIPE INSULATION.



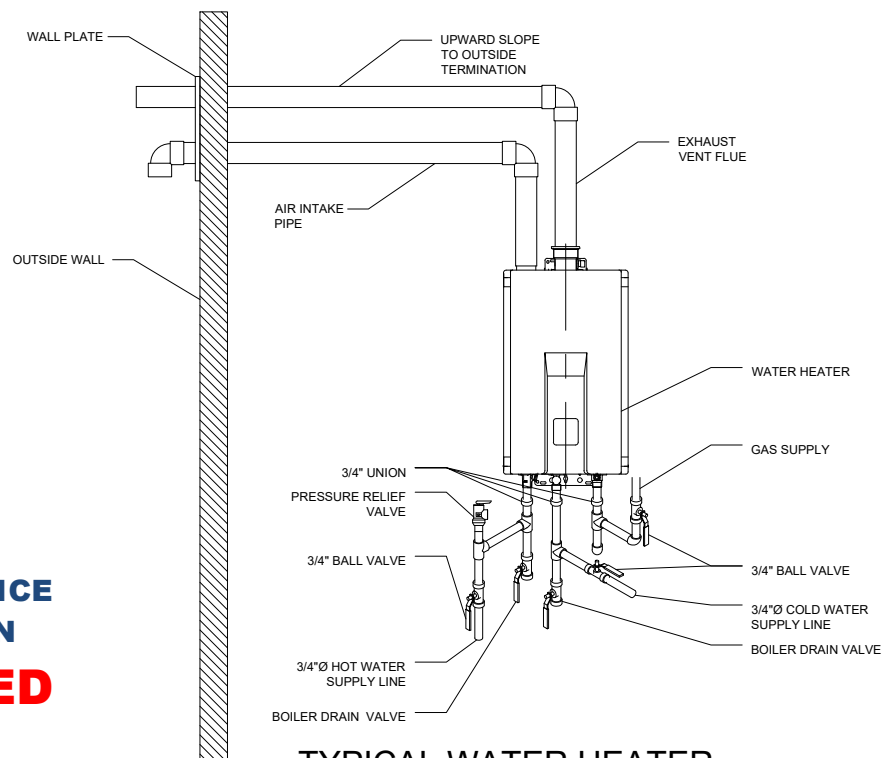
TYPICAL FRESH WATER CONNECTION DETAIL

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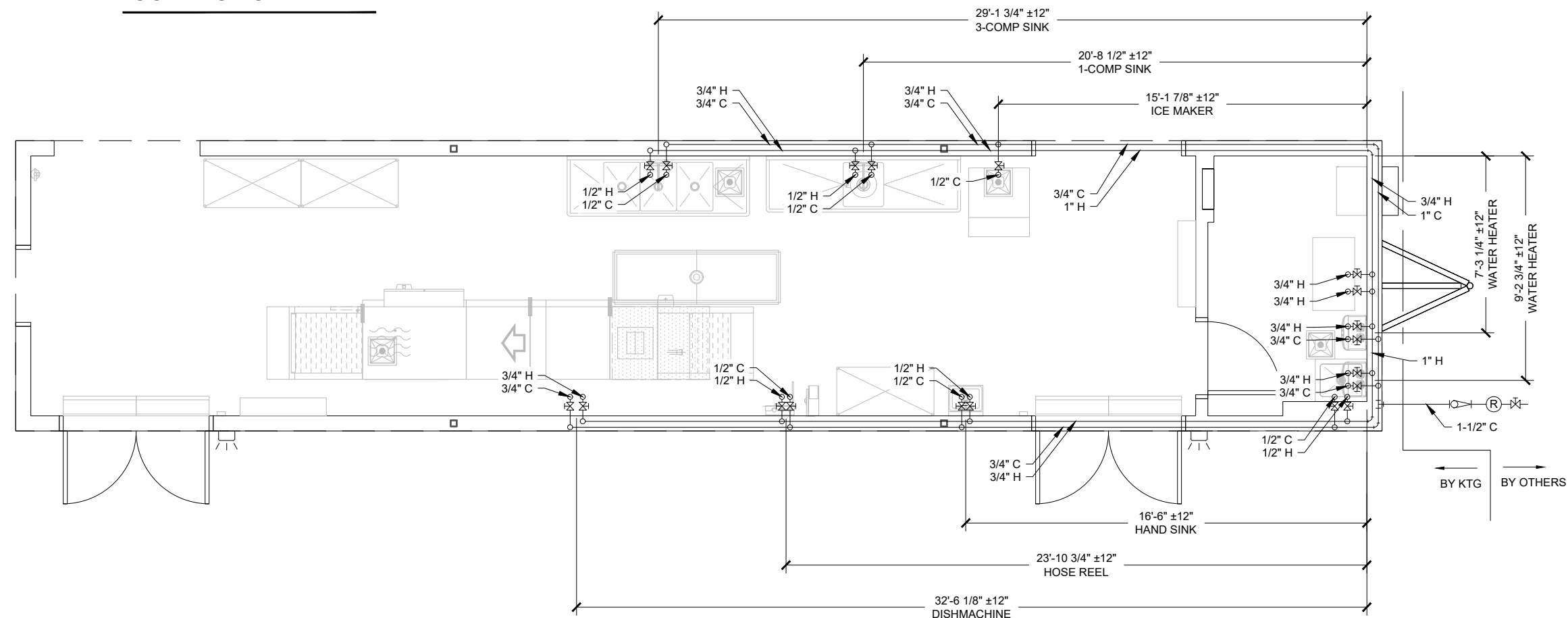
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TYPICAL WATER HEATER INSTALLATION DETAIL



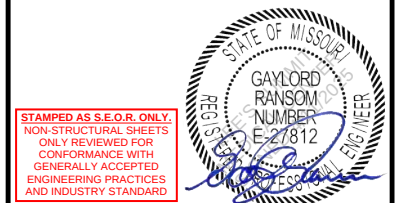
SYM	DESCRIPTION
H	HOT WATER LINE
C	COLD WATER LINE
	PRESSURE REGULATOR
	VALVE, BRASS BALL
	TEE
	90° ELBOW
	FLEX HOSE ASSEMBLY (S.S. BRAIDED MPT x FPT SWIVEL)
	QUICK DISCONNECT
	VALVE 3-WAY
	PUMP
	VACUUM BREAKER
	REDUCER
	CHECK VALVE
	POINT OF CONNECTION
	WATER FILTRATION SYSTEM
	PENETRATION
	HOSE BIBB
	CAP
	BOILER DRAIN VALVE
	PRESSURE RELIEF VALVE
	UNION

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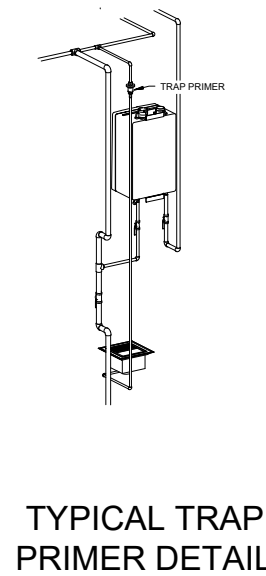
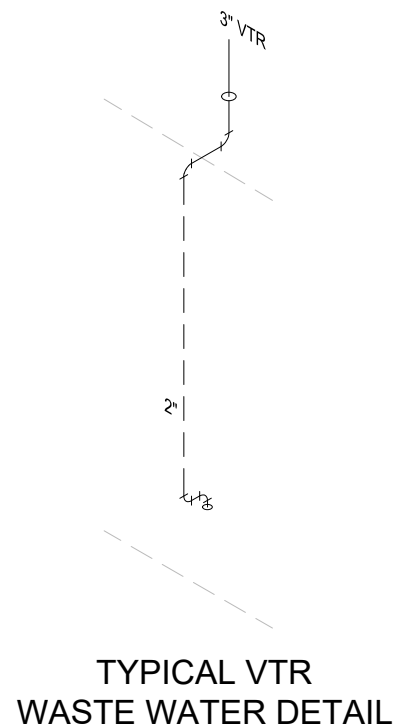
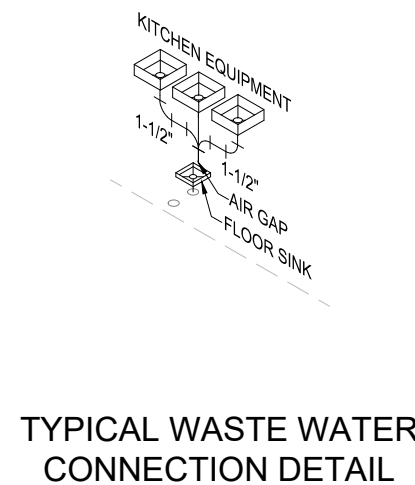
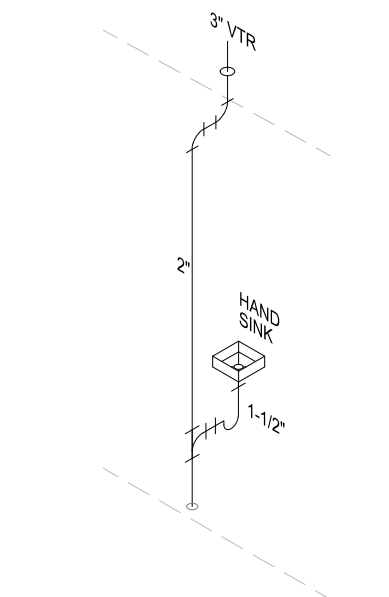
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REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: 3/16"=1'-0"			
22x34 SCALE: 3/8"=1'-0"			

Fresh Water Plumbing Schematic

Sheet

(M820) P-601



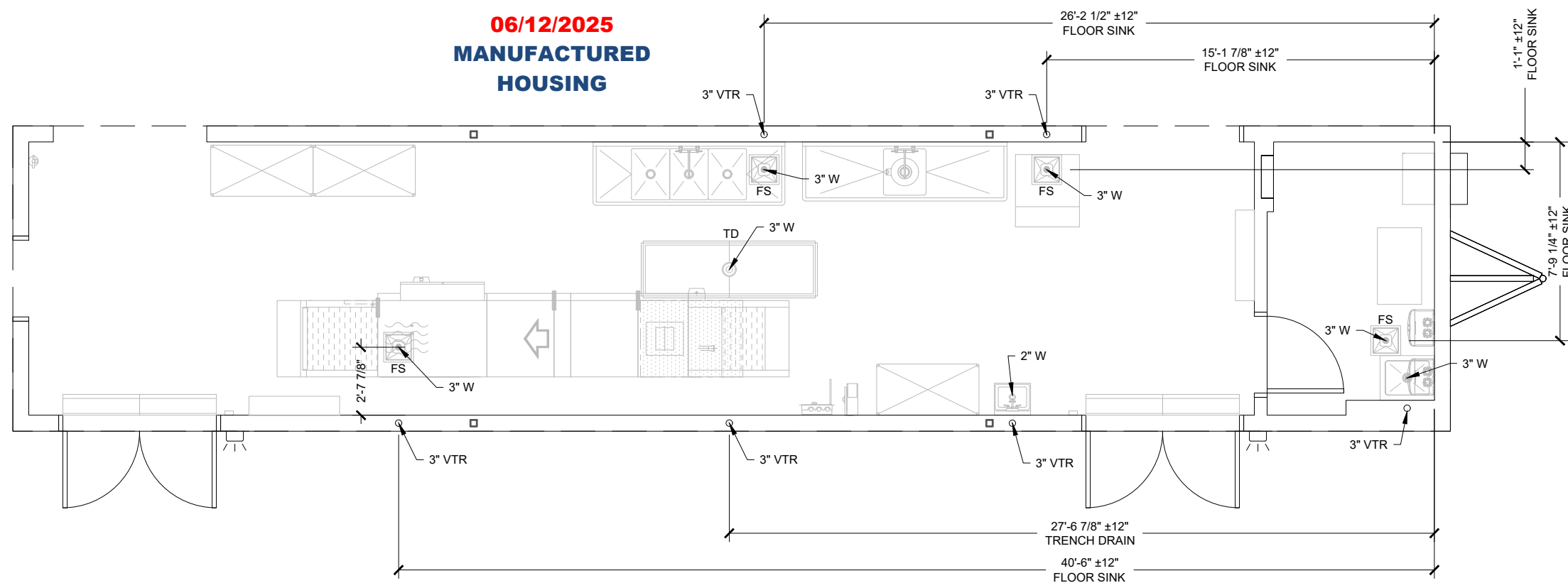
- NOTES:
1. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL 2 HOLE STRAPS AT 3' O.C. MAX.
 2. TERMINATION VENT SHALL BE MINIMUM 2 INCHES IN DIAMETER. ANY INCREASE IN THE SIZE OF THE VENT SHALL BE MADE INSIDE THE STRUCTURE A MINIMUM OF 18 INCHES BELOW THE ROOF.
 3. ALL PLUMBING LINES SHALL BE OF SCHEDULE 40 PVC DWV OR SCHEDULE 40 ABS DWV UNLESS OTHERWISE SPECIFIED.
 4. SEWER LINES FROM FLOOR SINKS SHALL ALL BE SCHEDULE 40 PVC DWV OR SCHEDULE 40 ABS DWV UNLESS OTHERWISE SPECIFIED.
 5. FLOOR SINKS SHALL BE MOUNTED WITH EPOXY FLOOR RUN OVER THE EDGE AND DOWN TO THE BOTTOM OF THE VERTICAL EDGE OF THE FLOOR SINK.
 6. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY CARLIN MANUFACTURING.
 7. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED.
 8. WALK-IN COOLER CONDENSATE LINE TO DRAIN TO A APPROVED DRAIN LINE.
 9. ALL VENTS SHALL TERMINATE 18" MIN. ABOVE ROOF FINISH LINE UNLESS OTHERWISE SPECIFIED.
 10. HVAC CONDENSATION LINES SHALL DRAIN BY MEANS OF AN INDIRECT WASTE PIPE. THE WASTE PIPE SHALL HAVE A SLOPE NOT LESS THAN 1/8 INCH PER FOOT.
 11. CLEAN OUTS ARE TO BE READILY ACCESSIBLE ABOVE GRADE (TYP)
 12. FOR STORAGE, BLOW OUT WITH COMPRESSED AIR ALL WATER LINES.
 13. ADD MIXING VALVE TO DISHWASHER AND CONVECTION STEAMER TO REDUCE TEMPERATURE OF WATER COMING OUT OF THE DRAIN PIPE.
 14. ALL PLUMBING CONNECTIONS UNDER THE FLOOR TO BE DONE BY G.C. CONNECTIONS UNDER THE FLOOR SHOWN AS A SUGGESTED LAYOUT ONLY.

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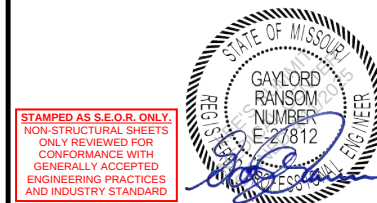
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Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

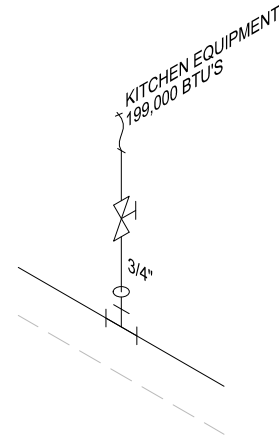
11x17 SCALE: $\frac{3}{16}''=1'-0''$
22x34 SCALE: $\frac{3}{8}''=1'-0''$

Waste Water Plumbing Schematic

Sheet

(M820) P-602

1. GAS LINES SHALL BE IN BLACK STEEL PIPE, SCHEDULE 40, UNLESS OTHERWISE SPECIFIED.
2. GAS LINES SHALL BE SUPPORTED WITH PIPE STRAPS.
3. ELECTRICAL VALVE TO BE CONNECTED TO EMERGENCY SHUT OFF AND FIRE SUPPRESSION SYSTEM.
4. A GAS LINE PRESSURE TEST TO BE COMPLETED PRIOR TO UNIT OCCUPANCY.
5. LABELING: THE GAS PIPING SYSTEM SHALL BE LABELED:
 - a. AT A MINIMUM OF EVERY TEN FEET.
 - b. AT ALL CHANGES OF DIRECTION.
 - c. ON EACH SIDE OF A PENETRATION THROUGH A PARTITION, WALL , FLOOR OR CEILING; AND,
 - d. AT EVERY GAS SHUTOFF VALVE.
 - i. THE LABELS SHALL BE:
COLORED YELLOW WITH BLACK LETTERING,
INDICATE THE TYPE OF GAS AND THE PRESSURE
CONTAINED WITHIN THE PIPING SYSTEM, AND
 - ii. THE LETTERS SHALL BE SIZED SO THAT LABELING
CAN BE READ FROM A NORMAL LINE OF VISION WHEN
STANDING AT THE MAIN FLOOR LEVEL.
6. PIPES TO BE RUN HORIZONTALLY ABOVE THE FLOOR
AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR
EXCEPT WHERE NOTED.
7. NATURAL GAS SUPPLY REGULATED TO 10.5" WC

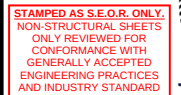


SYM	DESCRIPTION
	VALVE, GAS
	TEE
	90° ELBOW
	REGULATOR
	FLEX TUBING ASSEMBLY
	MECHANICAL VALVE
	PILOT BYPASS VALVE
	SOLENOID VALVE
	POINT OF CONNECTION
	PENETRATION
	REDUCER

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REV.	DATE	DESCRIPTION	NAME
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DELTA -	REV -
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Drawn By: MMS	Approved By:
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

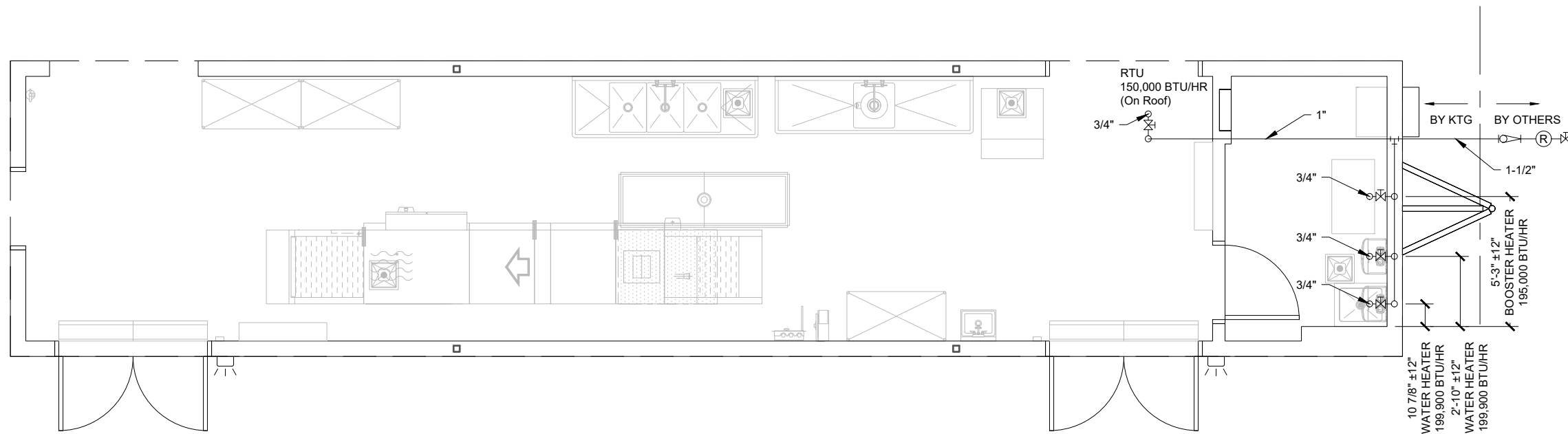
11x17 SCALE: $\frac{3}{16}''=1'-0''$
22x34 SCALE: $\frac{3}{8}''=1'-0''$

Gas Plumbing Schematic

100

Sheet

(M820) P-603



SUBMITTAL SET

LEE'S SUMMIT
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COOK UNIT - M821

DRAWING INDEX

<u>SHEET NO.</u>	<u>SHEET CREATED</u>	<u>DESCRIPTION</u>	<u>REV. NUMBER</u>	<u>REV. DATE</u>	<u>REV. NOTE</u>
(M821) G-001		Cover Sheet & Drawing Index			
(M821) I-101		Interior Floor Plan and Equipment List			
(M821) E-101		Electrical Floor Plan Schematic			
(M821) E-601		Electrical Panel Schedule(S)			
(M821) E-602		Electrical Panel Schedule(S)			
(M821) M-501		Makeup Air Specifications			
(M821) M-502		Exhaust Hood Plan & Specifications			
(M821) M-503		Exhaust Hood Plan & Specifications			
(M821) M-504		Exhaust Fan & MUA Specs			
(M821) M-505		Exhaust Fan & MUA Specs			
(M821) M-506		Control Panel			
(M821) M-507		MUA Ducting Specifications			
(M821) M-508		Exhaust Fan Elevation			
(M821) P-601		Fresh Water Plumbing Schematic			
(M821) P-602		Waste Water Plumbing Schematic			
(M821) P-603		Gas Plumbing Schematic			

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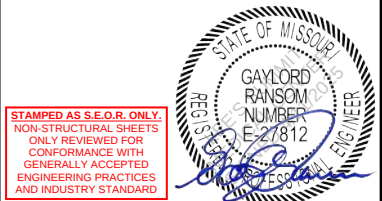
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11x17 SCALE: N/A
22x34 SCALE: N/A

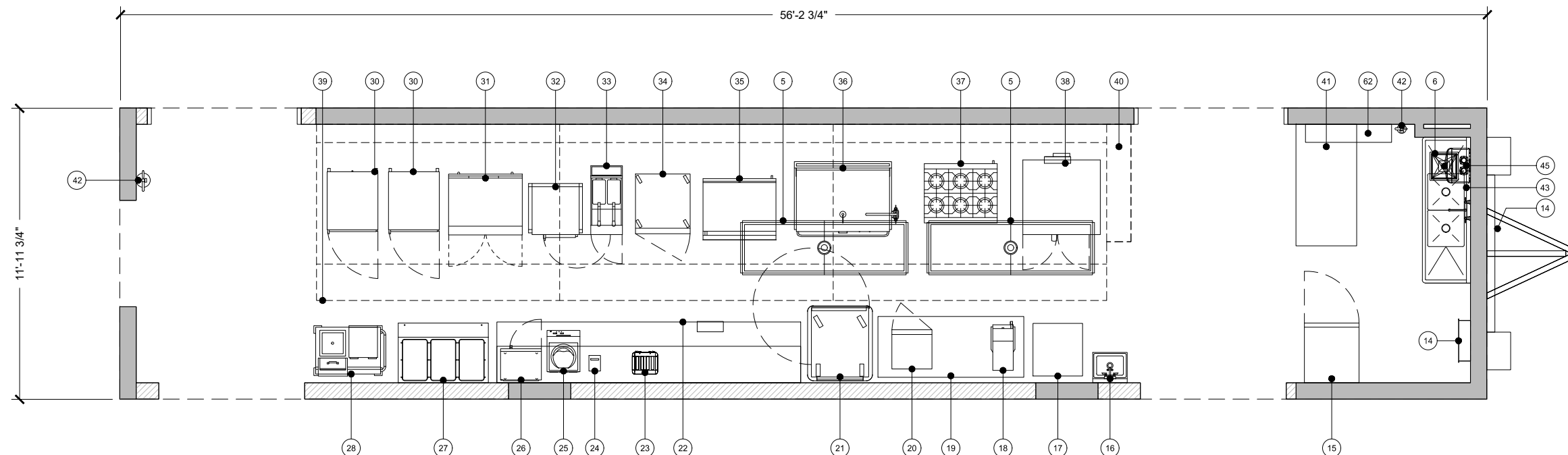
Cover Sheet & Drawing Index

Sheet

(M821) G-001

CS = CLIENT SUPPLIED EQUIPMENT

ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS	ITEM NO.	DESCRIPTION	KTG	CS
1	36" Interior Door	X		23	Toaster		X	45	Water Heater	X	
2	72" Entry Door	X		24	Ticket Printer		X	46	Mop Sink	X	
3	36" Air Curtain	X		25	Induction Heat Activator		X	47	8' x 20' Walk-In Cooler	X	
4	Flight Type Dish Machine	X		26	Microwave		X	48	8' x 20' Walk-In Freezer	X	
5	Trench Drain	X		27	3 Well Hot Food Table	X		49	8' x 40' Walk-In Dry Storage	X	
6	Floor Sink	X		28	Heated Plate Dispenser	X		50	Open Air Merchandiser	X	
7	Hose Bib With 10' Hose And Nozzle Sprayer	X		29	Fire Extinguisher - "ABC" Type	X		51	Fountain Beverage Machine		X
8	Storage Rack - 48" x 24"		X	30	Hot Holding Cabinet	X		52	Cash Register		X
9	1 Compartment Sink	X		31	Work Top Refrigerator	X		53	Modular Cashier Unit	X	
10	Not Used			32	Dual Stack Convection Steamer	X		54	Hot Food Serving Counter - 3 Well	X	
11	Garbage Disposal	X		33	Fryer	X		55	Hot Food Serving Counter - 2 Well	X	
12	3 Compartment Sink	X		34	Reach-In Freezer	X		56	Cold Food Serving Counter - 3 Well	X	
13	Ice Machine W/ Bin	X		35	36" Griddle W/ Stand	X		57	Cold Food Serving Counter - 2 Well	X	
14	Electrical Panel	X		36	48" Tilt Skillet	X		58	Double Door Beverage Cooler		X
15	Reach-In Refrigerator	X		37	36" 6-Burner Countertop Range W/ Stand	X		59	Dining Table and Chairs		X
16	Hand Sink W/ Eye Wash Station	X		38	Dual Stack Convection Oven	X		60	Not Used		
17	Food Delivery Cart		X	39	Stainless Steel Exhaust Hood - Type 1 (Grease)	X		61	Not Used		
18	Coffee Brewer		X	40	Fire Suppression System	X		62	HVAC Unit	X	
19	Stainless Steel Work Table With Undershelf (30"X72")	X		41	Stainless Steel Work Table With Undershelf (30"X60")	X		63	Floor Sink, Covered & Sealed	X	
20	Countertop Freezer		X	42	Fire Extinguisher - "K" Type	X		64	Wall Storage Cabinet	X	
21	Airscreen Reach-In Refrigerator		X	43	2 Compartment Sink	X		65	Point of Use Water Heater	X	
22	Stainless Steel Work Table With Undershelf And Overshelf (30"X150")		X	44	Booster Heater	X					



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DELTA -	REV -
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

11x17 SCALE: $\frac{3}{16}"=1'-0"$
22x34 SCALE: $\frac{3}{8}"=1'-0"$

Interior Floor Plan And Equipment List

Sheet

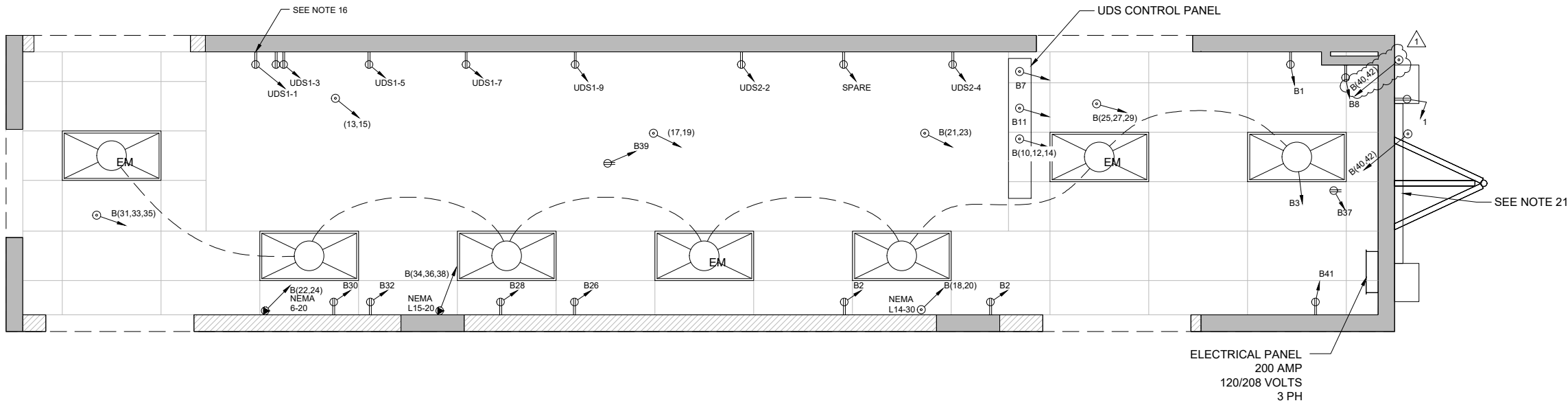
(M821) I-101

NOTES:

- CONDUIT FROM ELECTRICAL PANEL TO EQUIPMENT JUNCTION BOX TO BE RUN INSIDE WALLS, CEILING OR UNDER FLOOR WHERE POSSIBLE.
- ALUMINUM RACEWAY TO BE USED WHEN TRANSITION FROM ELECTRICAL PANEL TO JUNCTION BOX OR JUNCTION BOX TO JUNCTION BOX DOES NOT PERMIT RECESSED CONDUIT.
- WHEN RECESSED JUNCTION BOX IS NOT POSSIBLE, USE A SURFACE MOUNTED ALUMINUM WATER TIGHT JUNCTION BOX.
- ALL VERTICAL DIMENSIONS ARE FROM FINISH FLOOR. ALL HORIZONTAL DIMENSIONS ARE FROM INSIDE FINISH WALL.
- WIRING ABOVE SUSPENDED CEILINGS SHALL BE AC CABLE OR SIMILAR. NM CABLE MAY NOT BE USED ABOVE SUSPENDED CEILINGS.
- NOT USED.
- ALL 120 VOLTS, 15 AND 20 AMP RECEPTACLES TO BE GFCI PROTECTED.
- THE LIGHT INTENSITY SHALL BE AT LEAST 50 FOOT-CANDLES ON ALL FOOD PREPARATION SURFACES AND AT EQUIPMENT OR UTENSIL-WASHING WORK LEVELS.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES AT A DISTANCE OF 30" ABOVE THE FLOOR IN THE FOLLOWING:
 - UTENSIL AND EQUIPMENT STORAGE AREAS.
 - SINKS AND TOILET AREAS.
 - WALK-IN REFRIGERATION UNITS.
 - DRY FOOD STORAGE AREAS.
 - ALL OTHER AREAS.THIS INCLUDES THE AREAS WHERE FOOD IS PROVIDED FOR CONSUMER SELF-SERVICE, SUCH AS BUFFETS AND SALAD BARS, AND ROOMS DURING PERIODS OF CLEANING.
- THE LIGHT INTENSITY SHALL BE AT LEAST 20 FOOT-CANDLES INSIDE EQUIPMENT, SUCH AS REACH-IN AND UNDER-COUNTER REFRIGERATORS.
- EXCEPT AS SPECIFIED IN NOTE 13, LIGHT BULBS SHALL BE SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT IN AREAS WHERE THERE IS:
 - EXPOSED FOOD
 - CLEAN EQUIPMENT, UTENSILS, AND LINENS; OR
 - UNWRAPPED SINGLE-SERVICE AND SINGLE-USE ARTICLES.
- SHIELDED, COATED, OR OTHERWISE SHATTER-RESISTANT BULBS NEED NOT BE USED ONLY FOR STORING FOOD IN UNOPENED PACKAGE IF THE:
 - INTEGRITY OF THE PACKAGES CANNOT BE AFFECTED BY BROKEN GLASS FALLING ONTO THEM; AND
 - PACKAGES ARE CAPABLE OF BEING CLEANED OF DEBRIS FROM BROKEN BULBS BEFORE THE PACKAGES ARE OPENED.
- AN INFRARED OR OTHER HEAT LAMP SHALL BE PROTECTED AGAINST BREAKAGE BY SHIELD SURROUNDING AND EXTENDING BEYOND THE BULB SO THAT ONLY THE FACE OF THE BULB IS EXPOSED.
- ALL ESSENTIAL ELECTRICAL SYSTEMS AND EMERGENCY SYSTEMS SHALL BE INSTALLED BY OTHERS.
- CIRCUITS #B2, B(18,20), B(22,24), B26, B28, B30, B32, B(34,36,38) TO BE CORD DROPS.
- UDS CIRCUIT NUMBERS ARE USED AS A GUIDE ONLY TO LOCATE THE CIRCUITS AND TO CALCULATE THE ELECTRICAL LOAD FOR THE TWO UDS SECTIONS.
- ALL EXIT & EMERGENCY WALL PACK LTS. TO BE CONNECTED TO NEAREST UNSWITCHED LTG. CIRCUIT PER NEC.
- ALL 15 & 20 AMP RATED RECEPTACLES IN KITCHEN SPACE SHALL BE GFI PROTECTED PER NEC.
- MOTOR RATED SWITCH DISCONNECT FOR WATER HEATER.
- PROVIDE SUITABLE DISCONNECT SWITCH FOR AIR CURTAIN IF NOT FACTORY INSTALLED.
- TEMPORARY CONNECTION BETWEEN EXTERIOR J-BOXES TO FEED THE UDS FROM INTERIOR ELECTRICAL PANEL (FOR GAS/ELECTRIC PROJECTS)

ELECTRICAL SYMBOL LEGEND	
	4' - LED LIGHT FIXTURE
	24" X 48" LED (2) TUBE (LAY-IN) W/ PRISMATIC LENS EMERGENCY BATTERY BACKUP
	4' - 4 TUBE FLUORESCENT FIXTURE
	4' - 3 TUBE FLUORESCENT FIXTURE
	SINGLE OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - FLUSH MOUNTED
	DUPLEX OUTLET - SURFACE MOUNTED
	FOURPLEX OUTLET - FLUSH MOUNTED
	FOURPLEX OUTLET - SURFACE MOUNTED
	HARDWIRE CONNECTION - FLUSH MOUNTED
	HARDWIRE CONNECTION - SURFACE MOUNTED
	208V OUTLET - FLUSH MOUNTED
	208V OUTLET - SURFACE MOUNTED
	EXHAUST FAN
	SWITCH - FLUSH MOUNTED
	SWITCH - SURFACE MOUNTED
	3-WAY SWITCH - FLUSH MOUNTED
	3-WAY SWITCH - SURFACE MOUNTED
	DENOTES CIRCUIT NUMBER (#8)
	EXT. SCENE LIGHT / ENTRY LIGHT
	VAPOR PROOF LIGHT/HOOD LIGHT
	EMERGENCY EXIT LIGHT

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GAYLORD RANSOM
NUMBER E-27812
REGISTERED PROFESSIONAL ENGINEER

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APPROVED BY CLIENT

BY:

DATE:



FDBY LEE'S SUMMIT
MEDICAL CENTER

2100 SE Blue Pkwy
Lee's Summit, MO 64063

1	04-25-25	Per Deviation Report	MMS
REV.	DATE	DESCRIPTION	NAME

DELTA 1 | REV 1

Drawn By: MMS	Approved By: -
QUOTE NUMBER L24-050	UNIT NUMBER M820, M821, M681, M682

11x17 SCALE: 3/16"=1'-0"
22x34 SCALE: 3/8"=1'-0"

Electrical Floor Plan
Schematic

Sheet

(M821) E-101

NOTES:

1. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE HOT DIPPED GALVANIZED, ALL FITTINGS SHALL BE OF THE SCREW THREAD TYPE. COUPLINGS, LOCKNUTS, BUSHINGS, ETC., SHALL BE HOT DIPPED GALVANIZED.
2. ELECTRICAL METALLIC TUBING (EMT) SHALL BE GALVANIZED. COUPLINGS AND CONNECTORS SHALL BE GALVANIZED. FITTINGS SHALL BE COMPRESSION TYPE WITH GLAND SEALING RINGS OR SET SCREW TYPE.
3. FLEXIBLE CONDUIT SHALL BE GALVANIZED STEEL OR ALUMINUM. WHERE USED IN DAMP OR WET LOCATIONS FLEXIBLE CONDUIT SHALL BE OF THE LIQUID-TIGHT TYPE WITH OUTER NEOPRENE JACKET AND SUITABLE LIQUID-TIGHT FITTINGS.
4. WIRE AND CABLE FOR USE ON SYSTEMS OF 50 VOLTS TO 600 VOLTS SHALL BE 600 VOLT RATED TYPE THW OR THHN FOR BRANCH CIRCUITS. FEEDERS SHALL BE THHN (THWN IN WET LOCATIONS).
5. WIRE AND CABLE FOR USE ON SYSTEMS OF BELOW 50 VOLTS SHALL BE 300 VOLT PVC INSULATED AND SUITABLE FOR THE CLASS OF WIRING EXCEPT AS OTHERWISE INDICATED OR SPECIFIED.
6. ALL CONDUCTORS SHALL BE COPPER. MIN. SIZE - 12GA THHN (THWN IN WET LOCATIONS)
7. STANDARD WEIGHT RIGID METAL CONDUIT SHALL BE USED WHERE EXPOSED TO THE WEATHER, PLACED UNDERGROUND BELOW CONCRETE SLAB, IN CONCRETE OR MASONRY CONSTRUCTION IN CONTACT WITH EARTH.
8. GALVANIZED STEEL ELECTRICAL METALLIC TUBING SHALL BE USED IN ABOVE GROUND, INTERIOR, DRY LOCATIONS PROTECTED FROM WEATHER AND PHYSICAL DAMAGE, AND MAY BE USED IN CONCRETE OR MASONRY CONSTRUCTION NOT IN CONTACT WITH EARTH.
9. FLEXIBLE METALLIC CONDUIT SHALL BE USED TO CONNECT CONDUIT SYSTEMS TO MOTORS, DIRECT WIRED AND VIBRATING EQUIPMENT AND AS A FINAL CONNECTION TO LIGHTING FIXTURES (6' MAX) IN ACCESSIBLE CEILINGS. IT MAY BE USED AS A WIRING SYSTEM INSTEAD OF EMT IN INTERIOR WALLS ONLY (DRY FRAME OR STUD CONSTRUCTION).
10. LIQUIDTIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR FINAL ELECTRICAL CONNECTIONS TO ROOF TOP OR OTHER EQUIPMENT EXPOSED TO THE ENVIRONMENT.

LEE SUMMIT MEDICAL CENTER																									
200 AMP						120/208VOLTS				4 WIRE				60HZ				3PH				M821 - B			
						PHASE																			
AVG	COLOR	ITEM	LOAD TYPE	P	AMPS	CIRC.	A		B		C		P	AMPS	CIRC.	LOAD TYPE	ITEM	AVG	COLOR						
12	B	RECEPTS	R	1	20	1	1200	876					1	20	2	K	COUNTER TOP FREEZER/AIRSCREEN REFRIGERATOR	12	B						
12	R	LIGHTS	L	1	20	3			800	0			2	20	4	K	20 & 21 SPARE	12	R						
12	BL	SPARE	K	1	20	5					0	0	-	20	6	K	SPARE	12	BL						
12	B	HOOD CONTROLS	K	1	20	7	400	200					1	20	8		WATER HEATER	12	BL						
12	R	SPARE	R	1	20	9			1200	2356			3	50	10	K	45 UDS SYSTEM	8	R						
12	BL	HOOD CONTROLS	K	1	20	11					400	3580	-	50	12	K	"	8	BL						
12	B	EXHAUST FAN #1	CL	2	20	13	1173	444					-	50	14	K	"	8	B						
12	R	"	CL	-	20	15			1173	1173			1	20	16	R	QUAD	12	R						
12	BL	EXHAUST FAN #2	CL	2	20	17					1173	1325	2	30	18	K	COFFEE BREWER	10	BL						
12	B	"	CL	-	20	19	1173	1325					-	30	20	K	18 "	10	B						
12	R	EXHAUST FAN #3	CL	2	20	21			1173	1600			2	20	22	K	HEATED PLATE DISPENSER	12	R						
12	BL	"	CL	-	20	23					1173	1600	-	20	24	K	28 "	12	BL						
8	B	MUA 1	CL	3	40	25	2294	1800					1	20	26	K	TOASTER	12	B						
8	R	"	CL	-	40	27			2294	400			1	20	28	K	23 TICKET PRINTER	12	R						
8	BL	"	CL	-	40	29					2294	1500	1	20	30	K	24 3 WELL HOT FOOD TABLE	12	BL						
12	B	MUA 2	CL	3	20	31	1021	2000					1	20	32	K	27 MICROWAVE	12	B						
12	R	"	CL	-	20	33			1021	1801			3	20	34	K	26 INDUCTION HEAT ACTIVATOR	12	R						
12	BL	"	CL	-	20	35					1021	1801	-	20	36	K	25 "	12	BL						
12	B	HEAT TAPE 1	NC	1	20	37	1200	1700					-	20	38	K	"	12	BL						
12	R	HEAT TAPE 2	NC	1	20	39			1200	2080			2	25	40	M	62 MINI SPLIT UNIT 2 TON	10	R						
12	BL	REACH IN REFRIGERATOR	K	1	20	41					264	2080	-	25	42	M	"	10	BL						
							8461	8345	8861	9410	6325	11886													
							16806		18271		18211														
							CONN. VA		DEMAND FACTOR		DEMAND VA	LOAD TYPE KEY:													
TOTAL KITCHEN LOAD							=	25372	X	0.65	16491.8	K = KITCHEN LOAD													
TOTAL LIGHTING LOAD							=	800	X	1.25	1000.0	L = LIGHTING LOAD													
TOTAL NON-CONT. LOAD							=	2400	X	1	2400.0	NC = NON-CONTINUOUS LOAD													
TOTAL RECEPTACLE LOAD							=	3573	X	1	3573.0	R = RECEPTACLE LOAD													
TOTAL CONTINUOUS LOAD							=	16983	X	1.25	21228.8	CL = CONTINUOUS LOAD													
TOTAL HVAC LOAD							=	0	X	1	0.0	H = HVAC LOAD													
LARGEST MOTOR LOAD							=	0	X	1.25	0.0	LM = LARGEST MOTOR LOAD													
TOTAL MISC. LOAD							=	4160	X	1	4160.0	M = MISC.													
TOTAL VA SECTION "A"							=	53288			48853.6														
TOTAL VA							=	53288			48853.6														
TOTAL AMPS							=	147.9			135.6														
							TOTAL= 48853.6 VA																		
							I = 135.6 AMPS																		

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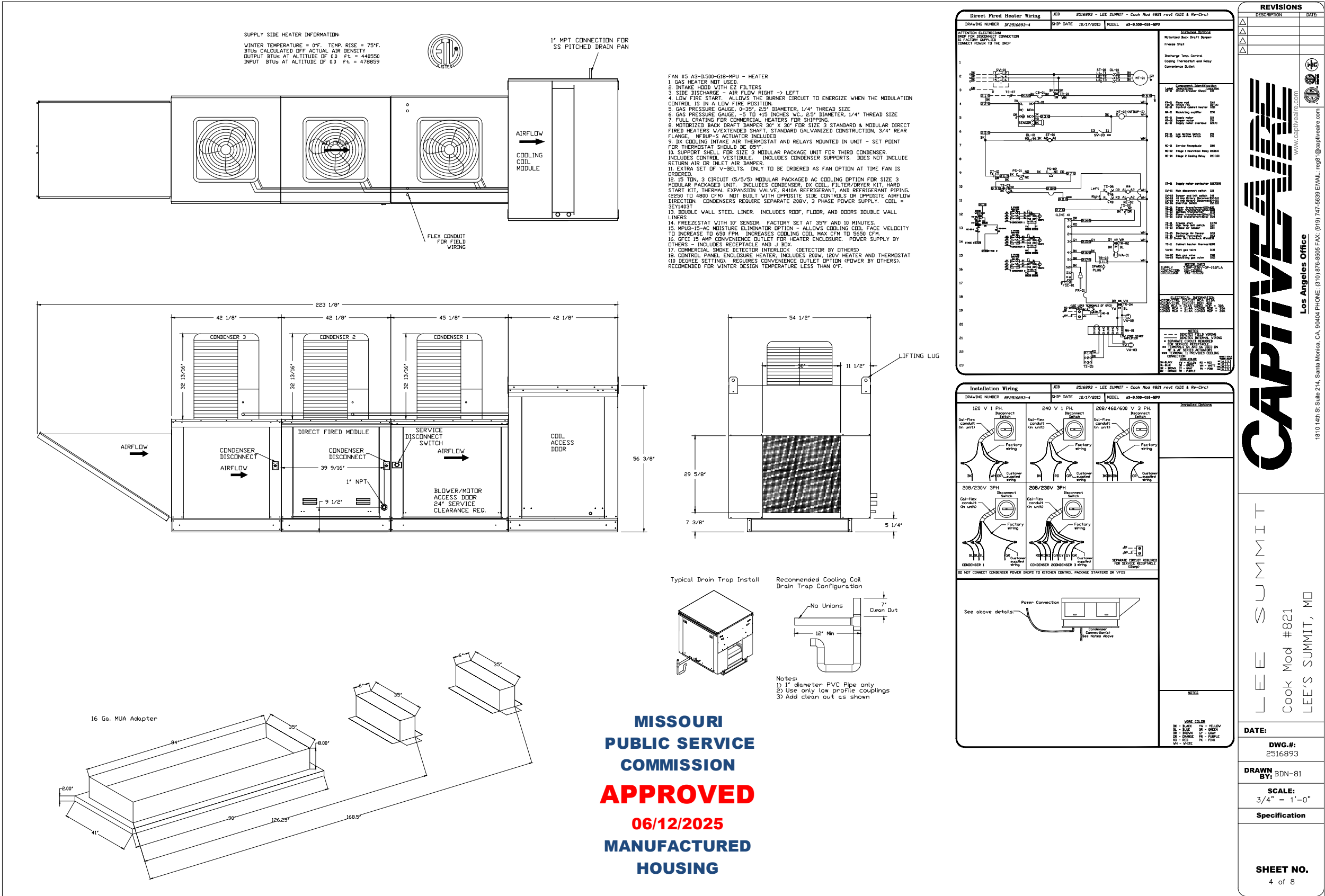
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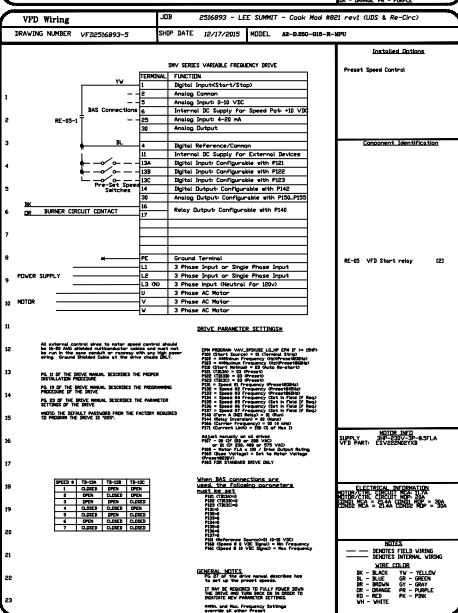
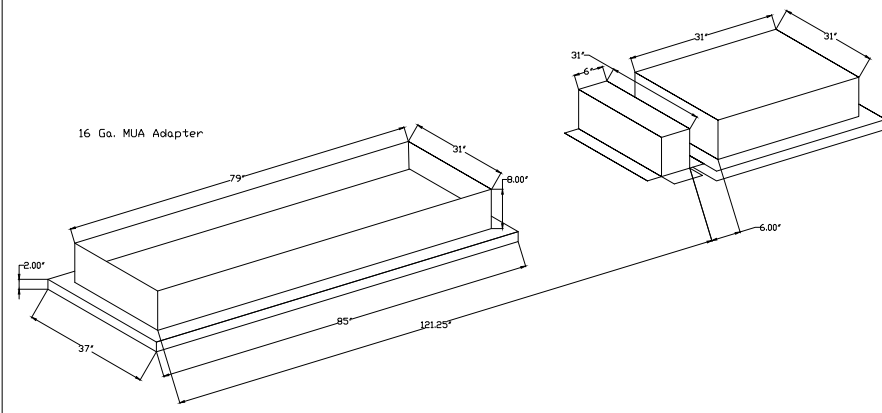
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1	04-25-25	Per Deviation Report	MMS		
REV.	DATE	DESCRIPTION	NAME		
DELTA 1		REV 1			
Drawn By: MMS		Approved By: -			
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682			
11x17 SCALE: N/A 22x34 SCALE: N/A					
Electrical Panel Schedule(S)					
Sheet (M821) E-601					



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MCGRATH RENTCORP. DBA KITCHENS TO GO BY MOBILE MODULAR DBA MOBILE MANAGEMENT CORP. 9876 WEST OLD US 30 ETNA GREEN, IN 46524			
			
FDBY LEE'S SUMMIT MEDICAL CENTER --- 2100 SE Blue Pkwy Lee's Summit, MO 64063			
REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By:	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: N/A			
22x34 SCALE: N/A			
Exhaust Hood Plan & Specifications			
Sheet			
(M821) M-503			





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LEE SUMMIT

Cook Mod #821

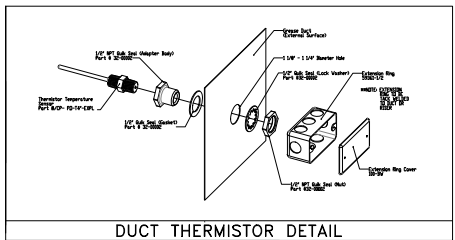
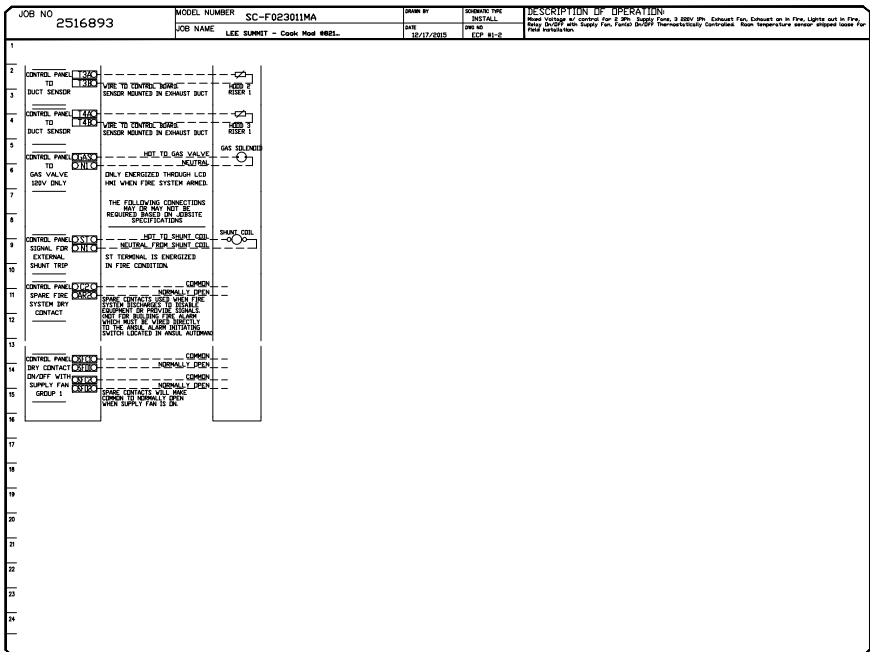
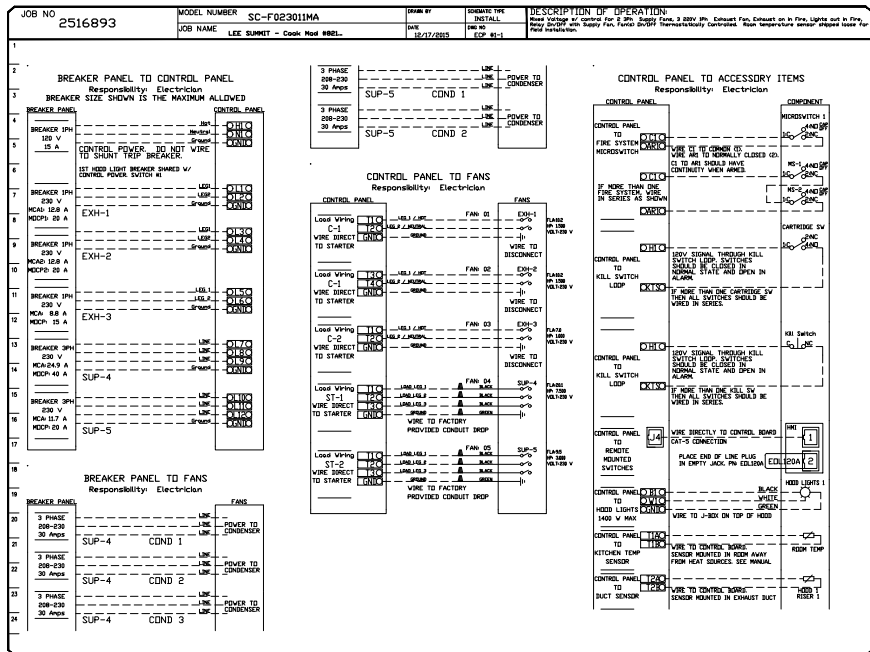
LEE'S SUMMIT, MD

DATE:
DWG.#: 2516893
DRAWN BY: BDN-81
SCALE: 3/4" = 1'-0"
Specification
SHEET NO. 5 of 8

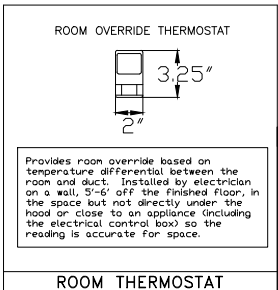
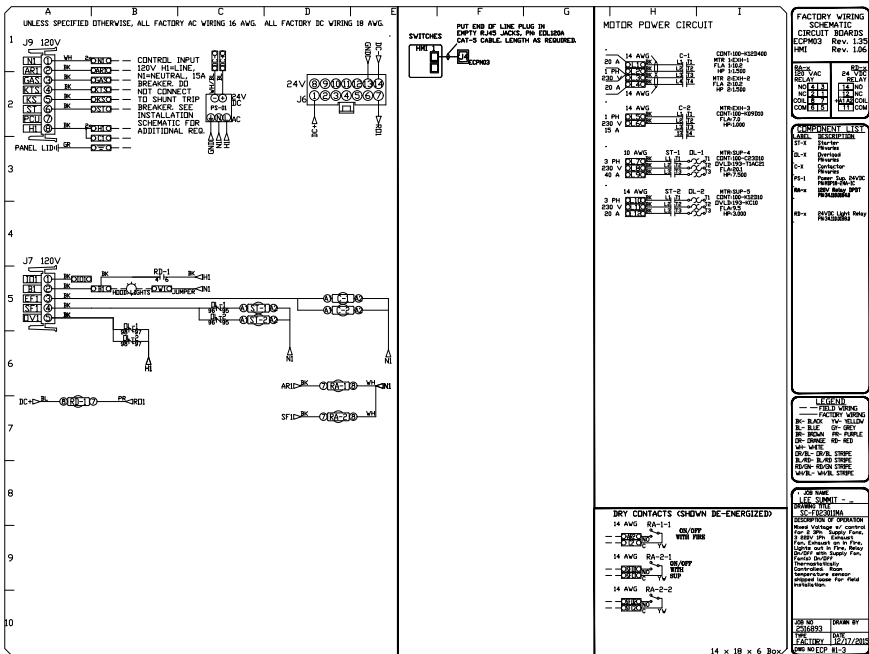
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 FDBY LEE'S SUMMIT MEDICAL CENTER ---- 2100 SE Blue Pkwy Lee's Summit, MO 64063							
REV.	DATE	DESCRIPTION	NAME				
DELTA -				 REV -			
Drawn By: MMS		Approved By:					
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682					
11x17 SCALE: N/A							
22x34 SCALE: N/A							
Exhaust Fan & MUA Specs							
Sheet							
(M821) M-505							

ELECTRICAL PACKAGES - Job#2516893											
NO.	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	#	HP.	VOL.	FLA
1		SC-F023011MA	UDS	UDS	1 Light	Smart Controls Thermostatic Control w/ Relay On/Off with Supply	Exhaust	1	1,000	230	7.0
					Exhaust		1	1,500	230	10.8	
					Exhaust		1	1,500	230	10.8	
					Supply		3	3,000	230	8.5	
					Supply		3	7,500	230	19.1	
					1 Fan						



Duct Temperature Sensor to be Factory
Installed Into Hood Exhaust Collars. To be Field
Wired to Electrical Control Panel (by others).



Room Temperature Sensor to be Provided with Control Package. To be Field Installed in Kitchen Module (by others).

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DBA KITCHENS TO GO
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9876 WEST OLD US 30
ETNA GREEN, IN 46524



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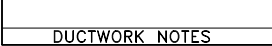
REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	

11x17 SCALE: N/A
22x34 SCALE: N/A

Control Panel

Sheet

(M821) M-506



DuctWork #1 Parts - Job#2516893 (3) Duct Runs										
Hood #	Tag	Part #	CFM	S.P.	Weight	Velocity	QTY	Description		
HOOD #1	P1	DW1635DWLT-2R-S Custom Length 25.25'	2750	-0.018	59.10	1969.54	1	Double Wall Duct - 16" Inner Duct, 35' long - 2 Layers Reduced Clearance - 20" Stainless Steel Outer Shell.		
	P2	DW1630AJDKIT	2750	-0.01	19.53	1969.54	1	Single Wall Duct Adjustable, 16' diameter, 29.5' long, flange at one end With a 16' Adjustable Collar - Stainless Steel.		
	P3	DW1603LT	2750	-0.002	12.40	1969.54	1	Single Wall Duct 16' diameter, 3' long, flange at both ends. Stainless Steel.		
	P4	DW2616TPDBEX	2750	0	9.00	1969.54	1	Duct to Curb Transition 3/4" Down Turn, 26.5" Curb to 16' Duct, 16 GA Aluminized. Used on NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. Transition Plate OD is 27.00" Designed For Use With Exhaust Fan. Non-Standard Part.		
	System at P4		2750	-1.107						
HOOD #2	P5	DW1635DWLT-2R-S Custom Length 20.0'	2750	-0.018	59.10	1969.54	1	Double Wall Duct - 16" Inner Duct, 35' long - 2 Layers Reduced Clearance - 20" Stainless Steel Outer Shell.		
	P6	DW1630AJDKIT	2750	-0.01	19.53	1969.54	1	Single Wall Duct Adjustable, 16' diameter, 29.5' long, flange at one end With a 16' Adjustable Collar - Stainless Steel.		
	P7	DW1603LT	2750	-0.002	12.40	1969.54	1	Single Wall Duct 16' diameter, 3' long, flange at both ends. Stainless Steel.		
	P8	DW2616TPDBEX	2750	0	9.00	1969.54	1	Duct to Curb Transition 3/4" Down Turn, 26.5" Curb to 16' Duct, 16 GA Aluminized. Used on NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. Transition Plate OD is 27.00" Designed For Use With Exhaust Fan. Non-Standard Part.		
	System at P8		2750	-1.107						
HOOD #3	P9	DW1635DWLT-2R-S Custom Length 27.25'	2450	-0.014	59.10	1754.68	1	Double Wall Duct - 16" Inner Duct, 35' long - 2 Layers Reduced Clearance - 20" Stainless Steel Outer Shell.		
	P10	DW1630AJDKIT	2450	-0.008	19.53	1754.68	1	Single Wall Duct Adjustable, 16' diameter, 29.5' long, flange at one end With a 16' Adjustable Collar - Stainless Steel.		
	P11	DW1603LT	2450	-0.001	12.40	1754.68	1	Single Wall Duct 16' diameter, 3' long, flange at both ends. Stainless Steel.		
	P12	DW2616TPDBEX	2450	0	9.00	1754.68	1	Duct to Curb Transition 3/4" Down Turn, 26.5" Curb to 16' Duct, 16 GA Aluminized. Used on NCA16FA / NCA16HPFA & NCA18FA / NCA18HPFA. Transition Plate OD is 27.00" Designed For Use With Exhaust Fan. Non-Standard Part.		
	System at P12		2450	-0.896						
MISC Parts		3M-2000PLUS			0.80		4	Duct - 3M Fire Barrier 2000 Plus Silicone - Used as sealant to Seal Duct Joints.		
		DW16CLASY			1.50		6	Duct "V" Clamp, 16" Duct, Assembly.		
		DW16DWCLASY-2R-S			8.49		3	Duct - 16" Duct - 20" Double "V" Clamp - 2R Insulation & Single "V" Clamp Included - Reduced Clearance.		
		DW16DWECLASY-2			3.33		3	Double Wall Duct End Cap Assembly - 16" Duct 2 Layers 21" OD - Includes DW20CLASY - Used To Seal Double Wall When Connecting To Single Wall Duct.		
		DW20DWRISER-2R-S			10.53		3	Double Wall Riser Cover - Used On 16" Inner Riser, 4' long - 2 Layers Reduced Clearance - 20" Stainless Steel Riser Shell Assembly. Includes Insulation & Single V Clamps For Inner & Outer Connections.		
		Additional Parts								
		DW16DWCLASY-2R-S			8.49		3	Duct - 16" Duct - 20" Double "V" Clamp - 2R Insulation & Single "V" Clamp Included - Reduced Clearance.		
	Total Weight				404.81					

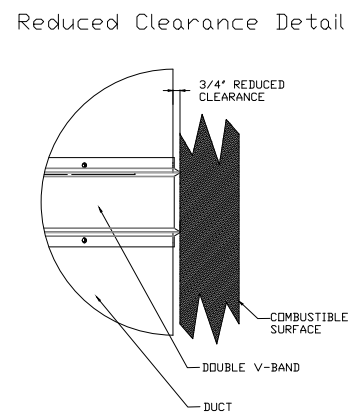
Furnish double wall, factory built grease duct for use with Type I kitchen hoods, which conforms to the requirements of NFPA-96. Products shall be ETL listed to UL-1978 and UL-2221 for venting air and grease vapors from commercial cooking operation. Models DW-2R, 3R and 3Z are used for grease duct applications when installed in accordance with these instructions and National Fire Protection Association "NFPA 96"; Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations. Double wall grease ducts are listed for a continuous internal temperature of 500 degrees F and intermittent temperatures of 2000 degrees F.

The duct sections shall be constructed of an inner duct wall and an outer wall with insulation in between. The inner duct wall shall be constructed of .036 inch thick, 430 type stainless steel and be available in diameters 8" through 24". The outer wall shall be constructed of stainless steel at a minimum of .024 inch thickness. The duct, based on model number, shall include layers of Super Wool 607 Plus insulation between the inner and outer wall. Grease duct joints shall be held together by means of formed V clamps and sealed with 3M Fire Barrier 2000+. The duct wall assembly shall be tested and listed at 3/4" or zero inch clearance, according to classifications.

Classifications and Clearances

UL 2221: Standard for Fire Resistant Grease Duct Enclosure Assemblies. Chapter 7 of this standard references a test labeled Internal Fire Test. Section 7.1.1 references two installation conditions, Condition A and Condition B. Condition A represents all installation condition except for installation within non-ventilated combustible enclosures. Condition B represents installation within a non-ventilated combustible enclosure.

Model DW-2R is classified under UL2221 (Test of Fire Resistant Duct Enclosure Assemblies) as an alternate to 2-Hr. fire resistant shaft enclosures with a reduced clearance to combustibles (sizes 8" to 16" diameter). Model 2R is listed in accordance with the requirements for duct enclosure Condition B.



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L E E S U M M I T

Cook Mod #821

LEE'S SUMMIT, MD

DATE:
DWG.#: 2516893
DRAWN BY: BDN-81
SCALE: 3/4" = 1'-0"
Specification

SHEET NO.

7 of 8

SUBMITTAL SET

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STAMPED AS S.E.O.R., ONLY. NON-STRUCTURAL SHEETS ONLY REVIEWED FOR CONFORMANCE WITH GENERALLY ACCEPTED ENGINEERING PRACTICES AND INDUSTRY STANDARD			
MCGRATH RENTCORP. DBA KITCHENS TO GO BY MOBILE MODULAR DBA MOBILE MANAGEMENT CORP. 9876 WEST OLD US 30 ETNA GREEN, IN 46524			
 FBDY LEE'S SUMMIT MEDICAL CENTER ---- 2100 SE Blue Pkwy Lee's Summit, MO 64063			
REV.	DATE	DESCRIPTION	NAME
DELTA -		 REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: N/A			
22x34 SCALE: N/A			
MUA Ducting Specifications			
Sheet			
(M821) M-507			



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QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE: N/A 22x34 SCALE: N/A			
Exhaust Fan Elevation			
Sheet			
(M821) M-508			

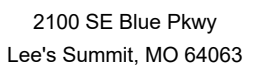
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT CODES AND REGULATIONS.
2. USE PEX (WHEN NOT VISUALLY EXPOSED TO INTERIOR OR EXTERIOR) OR COPPER PIPE TYPE K OR L WHEN EXPOSED TO PLUMB WATER LINES UNLESS OTHERWISE SPECIFIED.
3. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL. 2 HOLE STRAPS AT 3' O.C. MAX.
4. ALWAYS USE ROUND RUBBER GROMMETS WHENEVER PLUMBING LINES RUN THRU METAL PLATES, SKIN, CURB, ETC.
5. PRESSURE TEST WATER LINES (90-100 PSI) FOR LEAKS PRIOR TO EQUIPMENT FINAL CONNECTIONS.
6. FOR STORAGE: DRAIN WATER LINES.
7. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY KITCHENS TO GO BY MOBILE MODULAR.
8. FOR MOP SINK USE 8" ADJ. SERVICE SINK FAUCET WITH SHORT SPOUT AND VACUUM BREAKER.
9. WRAP ALL HOT WATER LINES WITH PIPE INSULATION.
10. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED.
11. PRESSURE AVAILABLE ON SITE TO BE MAXIMUM 55PSI - MINIMUM 40PSI.
12. FOR COLD CLIMATE LOCATION ;
 - 12.1. IF UNIT IS IN USE MAKE SURE THAT THE HEAT TAPE IS ALWAYS "ON"
 - 12.2. IF THE UNIT IS NOT IN USE OR IN STORAGE, DRAIN ALL WATER AND WASTE LINES TO AVOID DAMAGE TO PIPES DUE TO EXPOSURE TO FREEZING TEMPERATURES.
13. WHEN METAL FITTINGS (PEX) ARE EXPOSED TO METAL WALL STRUCTURAL, NEED TO ADD A THERMAL BREAK.
14. WRAP ALL HOT & COLD PIPING THAT RUNS UNDER THE FLOOR WITH PIPE INSULATION.
15. WATER HEATER TEMPERATURE CAN BE ADJUSTED FROM 120°F TO 140°F.



MANUFACTURED HOUSING



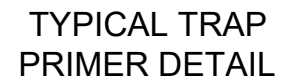
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REV.	DATE	DESCRIPTION	NAME
DELTA -		REV -	
Drawn By: MMS		Approved By: -	
QUOTE NUMBER L24-050		UNIT NUMBER M820, M821, M681, M682	
11x17 SCALE:		3/16"=1'-0"	
22x34 SCALE:		3/8"=1'-0"	

(M821) P-601

SUBMITTAL SET



- NOTES:**
1. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT CODES AND REGULATIONS
 2. ALWAYS USE ROUND RUBBER GROMMETS WHENEVER PLUMBING LINES RUN THRU METAL PLATES, SKIN, CURBS, ETC
 3. ALL LINES SHALL BE ADEQUATELY SUPPORTED WITH GALV. STL 2 HOLE STRAPS AT 3' O.C. MAX.
 4. TERMINATION VENT SHALL BE MINIMUM 3 INCHES IN DIAMETER. ANY INCREASE IN THE SIZE OF THE VENT SHALL BE MADE INSIDE THE STRUCTURE A MINIMUM OF 18 INCHES BELOW THE ROOF.
 5. DRAIN LINES SHALL BE CPVC DWV WHERE REQUIRED FOR HIGH TEMPERATURE EQUIPMENT, OTHERWISE USE ABS DWV, PVC DWV OR OTHER APPROVED MATERIALS.
 6. SEWER LINES FROM FLOOR SINKS SHALL ALL BE SCHEDULE 40 PVC DWV OR SCHEDULE 40 ABS DWV UNLESS OTHERWISE SPECIFIED.
 7. FLOOR SINKS SHALL BE MOUNTED FLUSH WITH FINISHED FLOOR.
 8. EXPOSED SURFACE LINES SHALL NOT BE RUN UNLESS APPROVED BY KITCHENS TO GO BY MOBILE MODULAR.
 9. PIPES TO BE RUN HORIZONTALLY UNDER THE FLOOR AS CLOSE AS POSSIBLE TO BOTTOM OF THE FLOOR EXCEPT WHERE NOTED, MAINTAINING A SLOPE OF 1/4" PER FOOT.
 10. HVAC CONDENSATION LINES SHALL BE PVC OR OTHER APPROVED MATERIALS. HVAC & MUA CONDENSATION LINES TO BE CONNECTED TO AN APPROVED DRAIN SYSTEM.
 11. WALK-IN COOLER CONDENSATE LINE TO DRAIN TO A APPROVED DRAIN SYSTEM.
 12. CLEAN OUTS ARE TO BE READILY ACCESSIBLE ABOVE GRADE (TYP)
 13. FOR STORAGE, BLOW OUT WITH COMPRESSED AIR ALL WATER LINES.
 14. ALL PLUMBING CONNECTIONS UNDER THE FLOOR TO BE DONE BY G.C. CONNECTIONS UNDER THE FLOOR SHOWN AS A SUGGESTED LAYOUT ONLY.
 15. FOR COLD CLIMATE LOCATION:
 - a) IF UNIT IS IN USE MAKE SURE THAT HEAT TAPE IS ALWAYS ON.
 - b) IF THE UNIT IS NOT IN USE OR IS IN STORAGE, DRAIN ALL WATER & WASTE LINES TO AVOID DAMAGE TO PIPES DUE TO EXPOSURE TO FREEZING TEMPERATURES.
 16. INDIRECT PLUMBING MUST HAVE A MINIMUM 2" AIR GAP OR 2 TIMES THE PIPE ID, WHICHEVER IS LARGER.



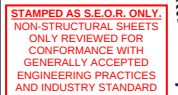
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NAPERVILLE, IL. 60540
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DBA KITCHENS TO GO
BY MOBILE MODULAR
DBA MOBILE MANAGEMENT CORP.
9876 WEST OLD US 30
ETNA GREEN, IN 46524



2100 SE Blue Pkwy
Lee's Summit, MO 64063

[illegible]

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DELTA -	REV -
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Drawn By: MMS	Approved By: -
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QUOTE NUMBER	UNIT NUMBER
L24-050	M820, M821, M681, M682

11x17 SCALE: $3/16"=1'-0"$
22x34 SCALE: $3/8"=1'-0"$

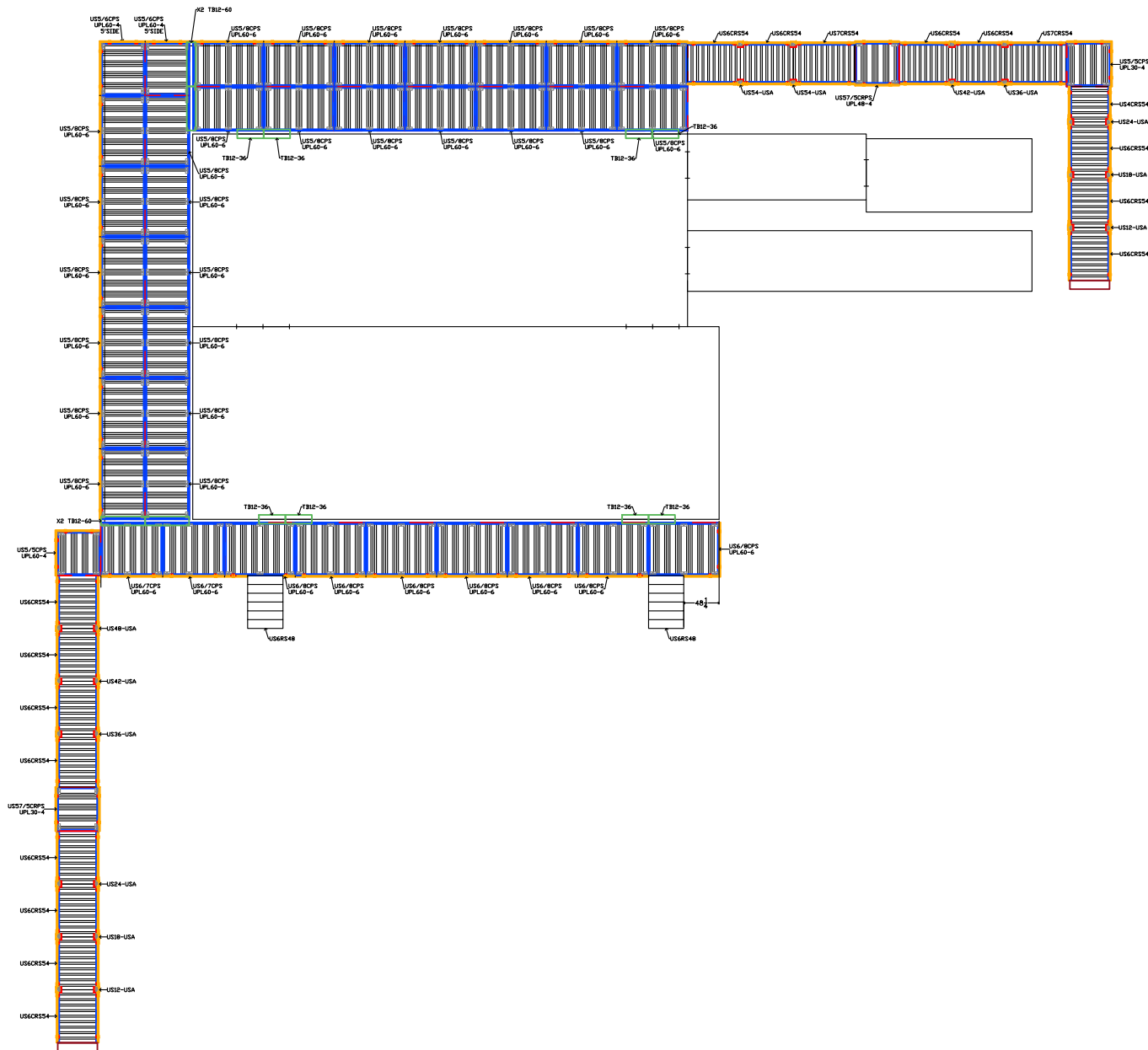
Waste Water Plumbing

Schematic

Sheet
'1001' B 000

(M821) P-602

NEEDED FOR QUOTE:
X16 ANSI LOOPS
X8 ADAPTER PACKS
X2 12"X54" BEVELS



NOTES:
-HEIGHT VARIES 44"-50", MAY NEED DBA
-PLATFORMS NEED TO STAY AWAY ~4 $\frac{1}{2}$ " FOR
CANOPY INSTALLATION

FRONT DOOR		ALL ALUMINUM RAMP SYSTEM				
		CLIENT NAME	LEE'S SUMMIT MEDICAL CENTER			REVISION
RISE AT DOOR=	48	CUSTOMER	ALL AMERICAN RAMP RENTALS			1
RISE AT PORCH=	0	INTERIOR RISE=	CHECKED BY			
YARD SLOPE=	0	LINEAR FEET=		DRAWN BY	DATE	
TOTAL ELEVATION=	48	INCLINE = 1 : 12		C. VAUGHN	3/10/2025	