

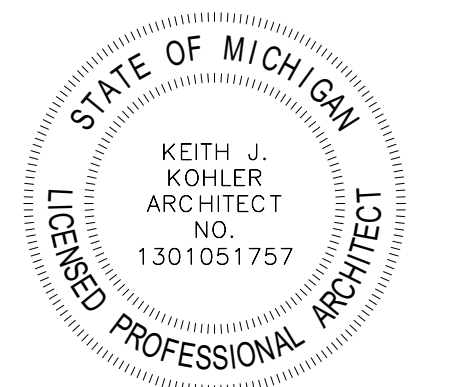


COOLER / FREEZER REPLACEMENT & RELATED WORK AT ARBORWOOD SOUTH ELEMENTARY

1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162

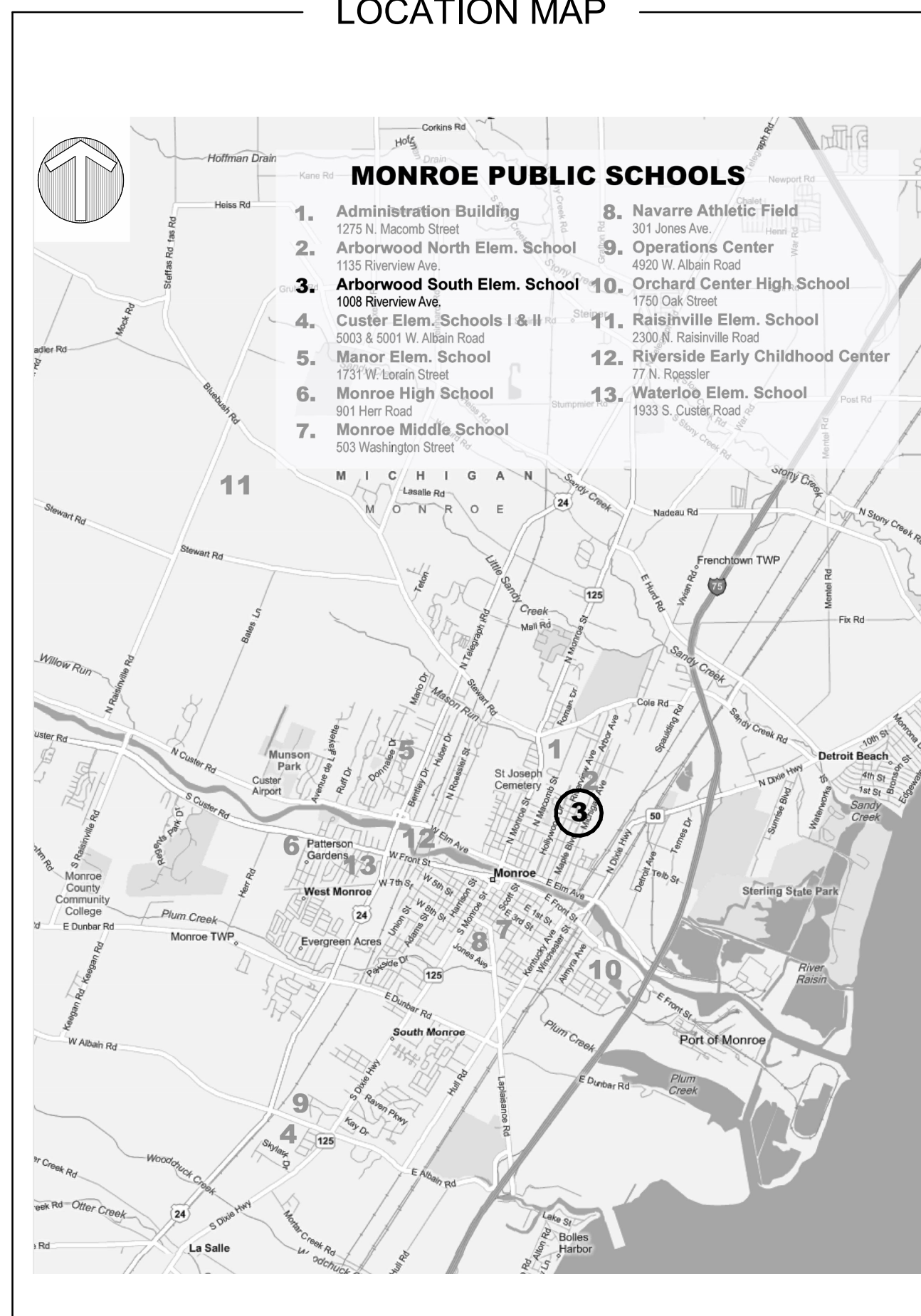


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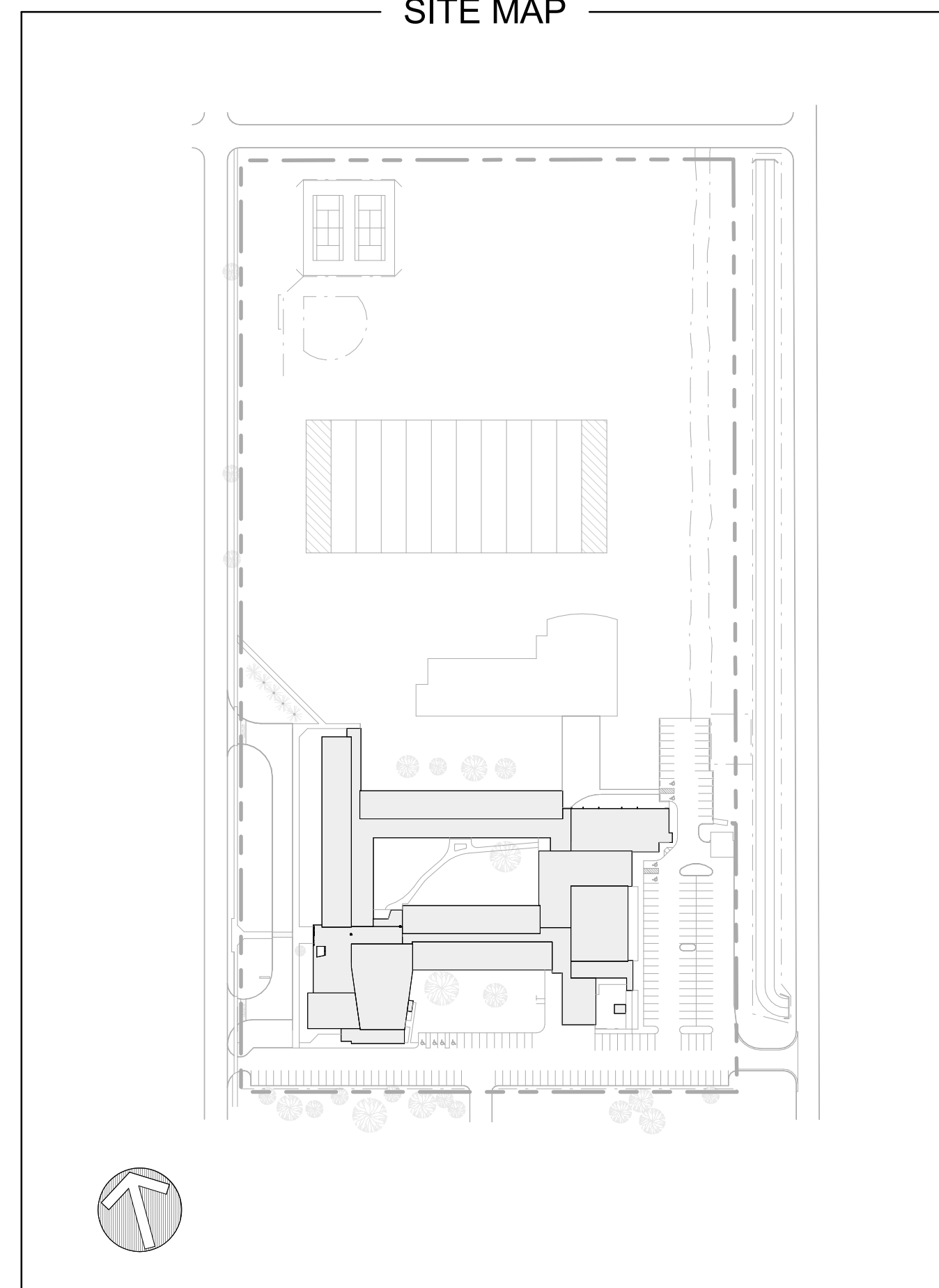


DATE	DESCRIPTION
03.18.2024	BIDDING & STATE REVIEW

LOCATION MAP



SITE MAP



PROJECT DIRECTORY

OWNER:
MONROE PUBLIC SCHOOLS
1275 NORTH MACOMBS STREET
MONROE, MICHIGAN 48162

CONTACT:
ANDREW SHAW, SUPERINTENDENT
E: SHAW@MONROE.K12.MI.US
T: 734.265.3070

ARCHITECT OF RECORD:
KOHLER ARCHITECT, INC.
1110 WEST FRONT STREET
MONROE, MICHIGAN 48161

CONTACT:
VICTORIA CAPRANICA, PROJECT ARCHITECT
E: VCAPRANICA@KOHLERARCHITECT.NET
T: 734.242.6880

MECHANICAL ENGINEER OF RECORD:
KLEINFELDER
415 CONANT STREET
MAUMEE, OHIO 43537

CONTACT:
RYAN D. GRAMLING, PROJECT MANAGER
E: RGRAMLING@KLEINFELDER.COM
T: 419.891.0022

DRAWING INDEX

T0.00	TITLE SHEET
T1.00	ABBREVIATIONS, LEGENDS, SYMBOLS & BUILDING CODE
A1.00	FIRST FLOOR DEMOLITION PLAN
A2.00	FIRST FLOOR PLAN CONSTRUCTION
A6.00	WALK-IN COOLER SPECS
A8.05	WALK-IN FREEZER SPECS
P1.01	PLUMBING SPECIFICATIONS AND PARTIAL PLAN
E1.01	ELECTRICAL LEGEND, PANEL SCHEDULES & DETAILS
E3.01	ELECTRICAL POWER & SYSTEMS PLAN

PROJECT DESCRIPTION

PROJECT OVERVIEW:

THIS PROJECT CONSISTS OF THE REPLACEMENT OF AN EXISTING INTERIOR COOLER, LOCATED IN THE KITCHEN, AND THE REPLACEMENT OF AN EXISTING FREEZER IN THE CAFETERIA ADJACENT TO THE KITCHEN. THE WORK INCLUDES THE INSTALLATION / RELOCATION OF THE NEW COOLER & FREEZER COMPRESSORS (TO THE ROOF) AND MINOR FINISH WORK TO THE EXISTING INTERIOR SUSPENDED CEILINGS, CERAMIC TILE, AND VINYL COMPOSITE FLOORING.

ALTERNATE #1: NO WORK AT THIS LOCATION

ALTERNATE #2: NO WORK AT THIS LOCATION

COOLER / FREEZER REPLACEMENT & RELATED WORK

AT
ARBORWOOD SOUTH ELEMENTARY
1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162

FOR
MONROE PUBLIC SCHOOLS
1275 NORTH MACOMBS STREET, MONROE, MICHIGAN 48162

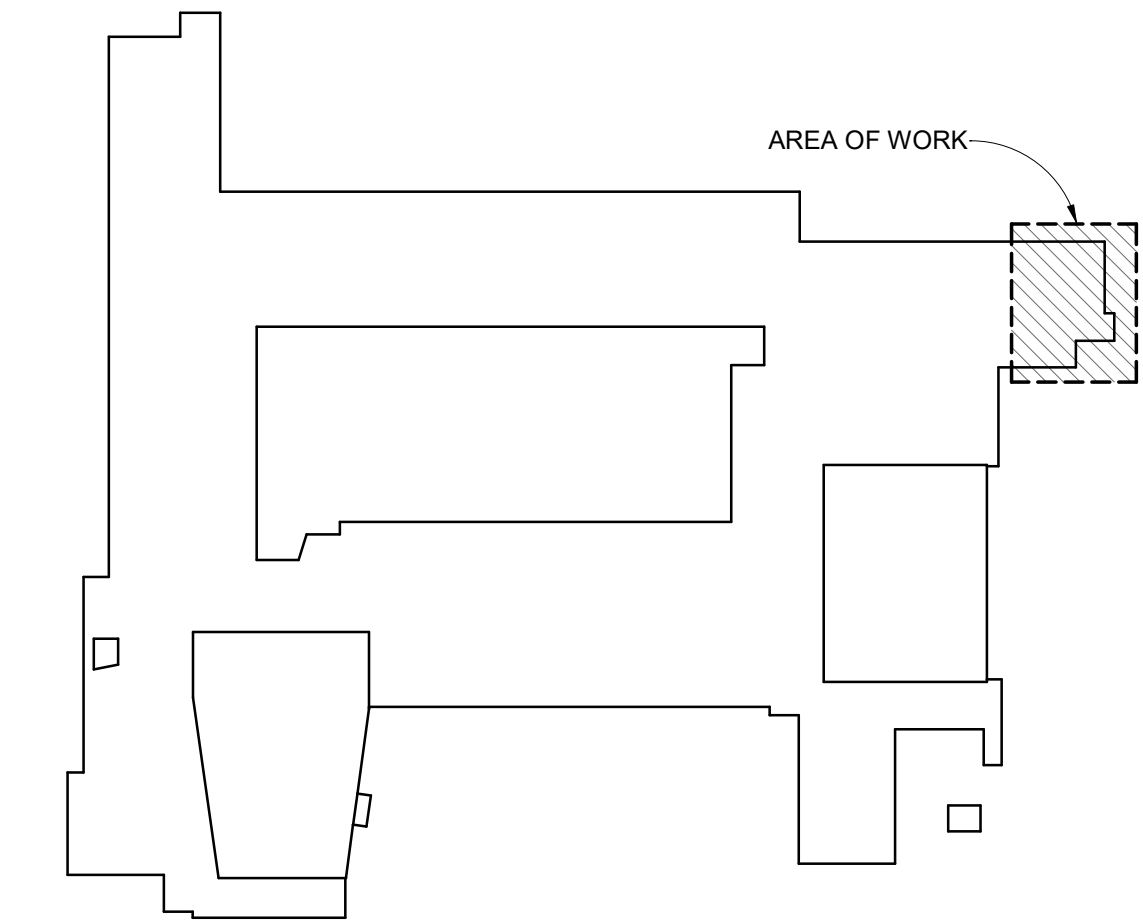
JOB # 24103

TITLE SHEET

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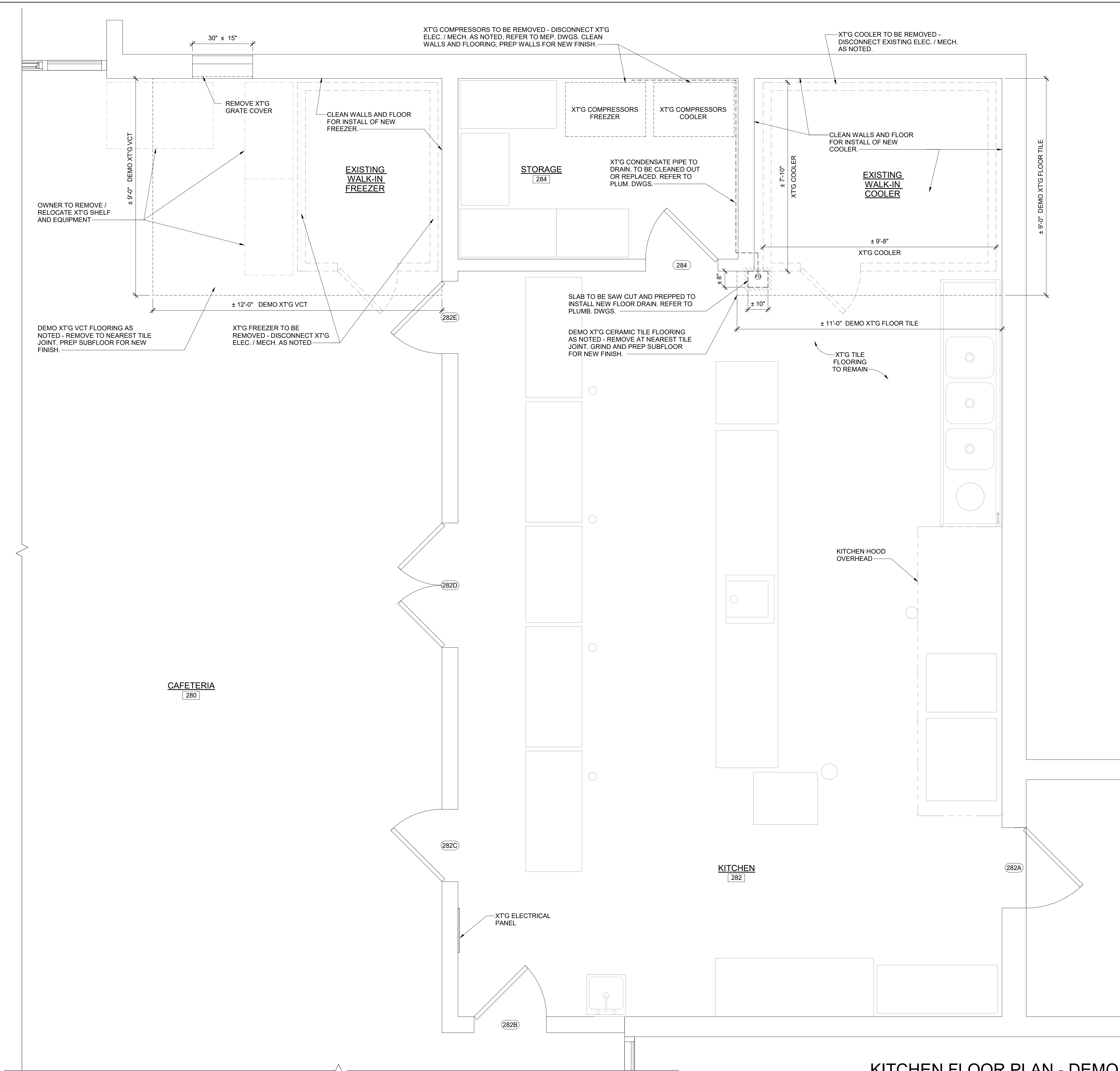
KEY PLAN
 SCALE: 1" = 80'-0"

GENERAL DEMOLITION NOTES:

1. COORDINATE ALL DEMOLITION WITH THE OWNER'S HAZARDOUS MATERIAL ABATEMENT DOCUMENTS AND SCOPE.
2. DEMOLITION CONTRACTOR TO PROTECT ALL AREAS ADJACENT TO CONSTRUCTION AND COMMON POINTS OF TRAVEL TO AND FROM CONSTRUCTION AREAS. PROTECTION IN THESE AREAS TO INCLUDE AIR QUALITY, WALK SURFACES, EQUIPMENT, FURNISHINGS, BUILDING OCCUPANTS, ETC. FROM DUST / DEBRIS, EXCESSIVE NOISE, WEAR, OR DAMAGE OF ANY KIND. PRIOR TO ANY PHYSICAL WORK, THE CONTRACTOR MUST HAVE A WRITTEN PLAN FOR PROTECTION APPROVED BY THE ARCHITECT.

 AREA OF HIGH REPLACEMENT VALUE OR MORE LIKELY FOR DAMAGE ARE TO HAVE ADDED PROTECTION (I.E. GYM FLOORS, ROOFING, ETC.)
3. ANY WORK UNDER THE CONTRACT THAT WILL INTERRUPT THE OWNER'S ACTIVITIES SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
4. ALL DEMOLITION WORK REQUIRED IS NOT LIMITED TO THAT INDICATED ON PLAN. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS AS NECESSARY TO FACILITATE NEW CONSTRUCTION.
5. PRIOR TO COMMENCEMENT OF DEMOLITION WORK, CONTRACTOR IS TO INSPECT ALL AREAS IN WHICH WORK WILL BE PERFORMED. DOCUMENT EXISTING CONDITIONS OF STRUCTURE, SURFACES, EQUIPMENT OR SURROUNDING AREAS WHICH COULD BE MISCONSTRUED AS DAMAGE RESULTING FROM DEMOLITION WORK AND FILE WITH CONSTRUCTION MANAGER OR ARCHITECT.
6. NOTIFY ARCHITECT IF ANY EXISTING ITEM THAT CONFLICTS WITH THE INTENDED FINAL PRODUCT IS NOT SPECIFICALLY CALLED OUT. DEMOLITION CONTRACTOR TO NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS & FIELD CONDITIONS BEFORE PROCEEDING WITH DEMOLITION AND / OR CONSTRUCTION.
7. ALL DEMOLITION WORK, UNLESS OTHERWISE NOTED IN THE PROJECT MANUAL, DRAWINGS OR DIRECTED BY OWNER SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE. ALL DEBRIS CAUSED BY DEMOLITION AND CONSTRUCTION SHALL BE CLEARED AND REMOVED FROM THE SITE. DEBRIS STORAGE SHALL NOT INFRINGE ON CLEAR PATH OF EGRESS.
8. PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION AS REQUIRED TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC FROM INJURY DUE TO DEMOLITION WORK.
9. PROTECT EXISTING STRUCTURES, FINISHES, UTILITIES AND OTHER ITEMS SCHEDULED TO REMAIN. AREAS THAT ARE DAMAGED BY SELECTIVE DEMOLITION SHALL BE PATCHED AND REPAIRED AND FINISHED OR REPLACED TO MATCH EXISTING ADJACENT SURFACES.
10. CONTRACTOR TO COORDINATE A WALK THROUGH WITH THE CONSTRUCTION MANAGER AND OWNER PRIOR TO EACH PHASE OF DEMOLITION TO IDENTIFY ALL REMAINING // ITEMS TO BE SALVAGED.
11. FOR ANY ITEMS TO BE SALVAGED BY CONTRACTOR, PROVIDE A DETAILED INVENTORY LIST OF ALL SALVAGED ITEMS AND THEIR STORED LOCATIONS ON SITE.
12. SHOULD HIDDEN FIELD CONDITIONS REQUIRE MODIFICATIONS TO THE LAYOUT, THE CONTRACTOR SHALL COORDINATE WITH THE CONSTRUCTION MANAGER OR ARCHITECT.
13. STRIP EXIST. FLOORS THAT ARE TO RECEIVE FLOOR FINISHES. FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF FINISH MATERIALS ON EXIST. SUBSTRATES.
14. AFTER DEMOLITION IS COMPLETE PATCH AND REPAIR EXIST. SURFACES TO REMAIN, AS REQUIRED FOR NEW FINISHES.

- DEMOLITION SCOPE:**
- REMOVE XT'G COOLER LOCATED IN THE KITCHEN AND XT'G FREEZER LOCATED IN THE CAFETERIA.
 - REMOVE QUARRY TILE ADJACENT TO KITCHEN COOLER AND CLEAN SUBFLOOR FOR NEW FINISH.
 - REMOVE AND STORE CEILING TILE AND GRIDS AS REQUIRED FOR COMPLETION OF WORK.



KITCHEN FLOOR PLAN - DEMO
 SCALE: 1/2" = 1'-0"

DATE	DESCRIPTION
03.18.2024	BIDDING & STATE REVIEW

COOLER / FREEZER REPLACEMENT & RELATED WORK

ARBORWOOD SOUTH ELEMENTARY
 1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162

FOR

MONROE PUBLIC SCHOOLS
 1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

JOB # **24103**

FIRST FLOOR
 DEMOLITION PLAN

A1.00

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03.18.2024	BIDDING & STATE REVIEW

COOLER / FREEZER REPLACEMENT & RELATED WORK

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1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162

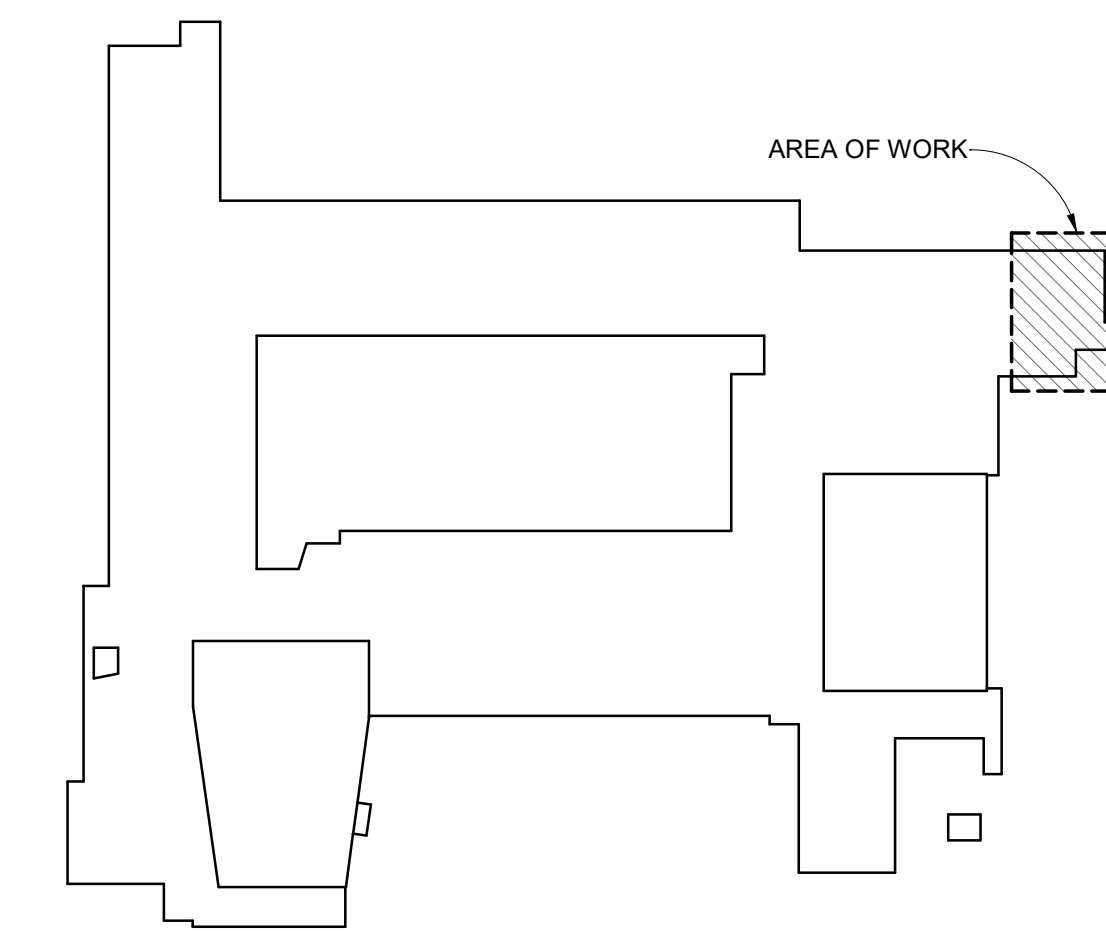
MONROE PUBLIC SCHOOLS
1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

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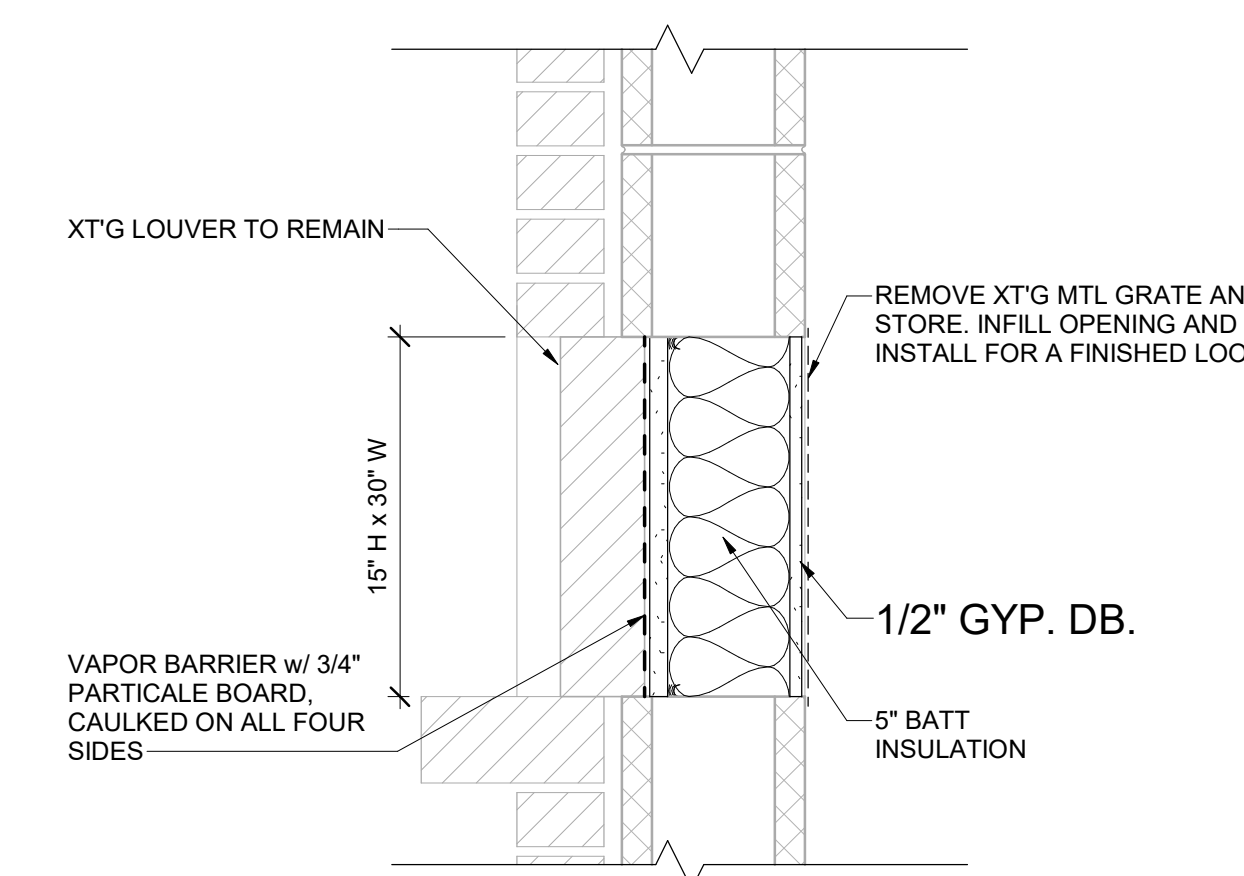
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FISRT FLOOR PLAN
CONSTRUCTION

A2.00

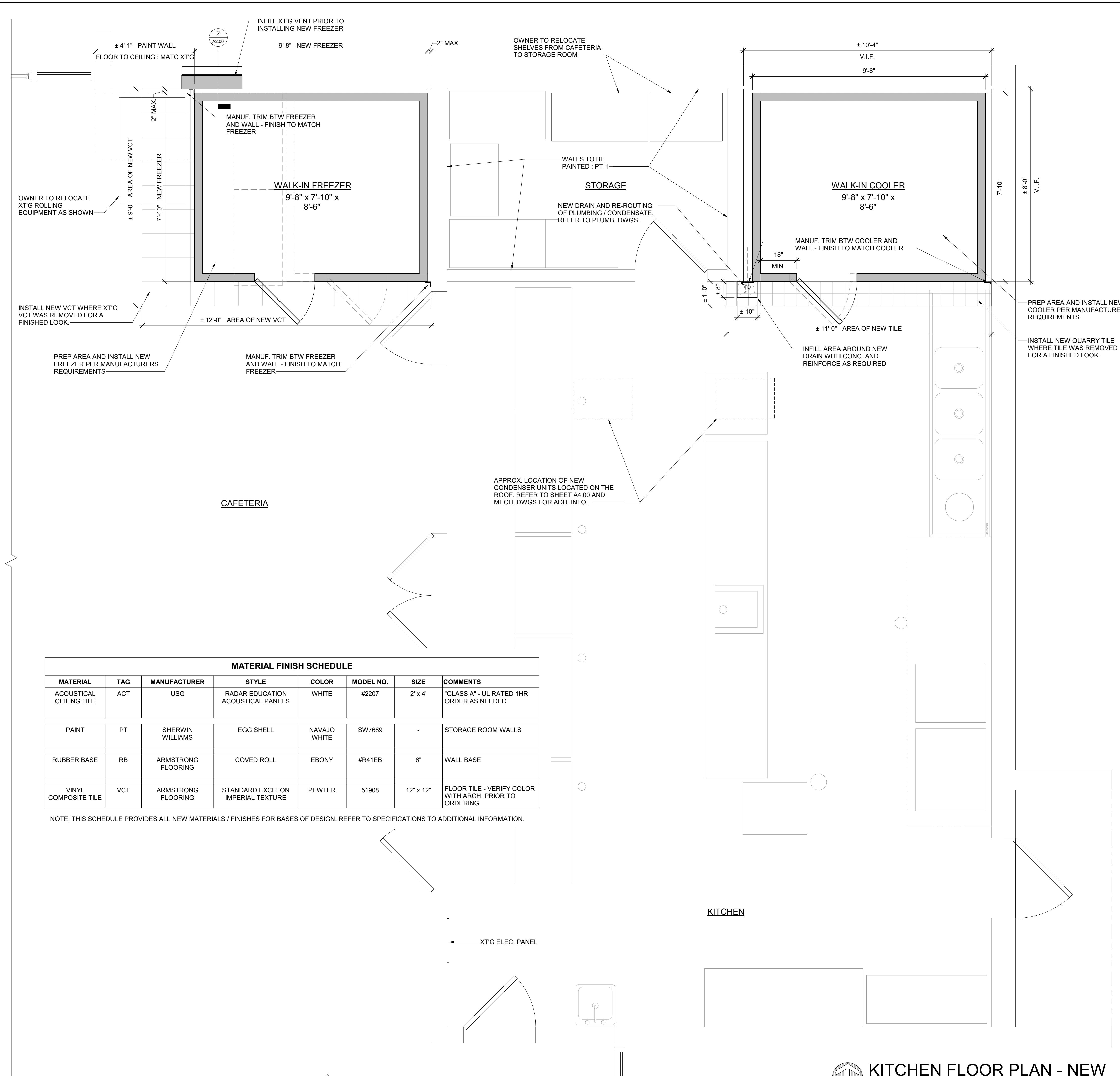


KEY PLAN
SCALE: 1" = 80'-0"



2 TYP. WALL OPENING INFILL
SCALE: 1 1/2" = 1'-0"

- CONSTRUCTION SCOPE:**
- INSTALL NEW COOLER IN THE SAME LOCATION IN THE KITCHEN. AREA TO BE CLEANED PRIOR TO INSTALL.
 - INSTALL NEW FREEZER IN SIMILAR LOCATION INSIDE THE CAFETERIA. AREA TO BE CLEANED PRIOR TO INSTALL.
 - PATCH IN NEW QUARRY TILE IN THE KITCHEN ADJACENT TO THE NEW COOLER.
 - PATCH IN NEW VCT IN THE CAFETERIA ADJACENT TO THE NEW FREEZER.
 - INFILL XT'G WALL VENT TO THE EXTERIOR. NO LONGER NEEDED PRIOR TO INSTALLING NEW FREEZER.
 - PATCH / PAINT WALLS AS REQUIRED.
 - MISCELLANEOUS ROOF MODIFICATIONS WILL BE NEEDED:
 - ROOF PENETRATIONS
 - NEW CURBS
 - PATCHING EPDM AS NEEDED



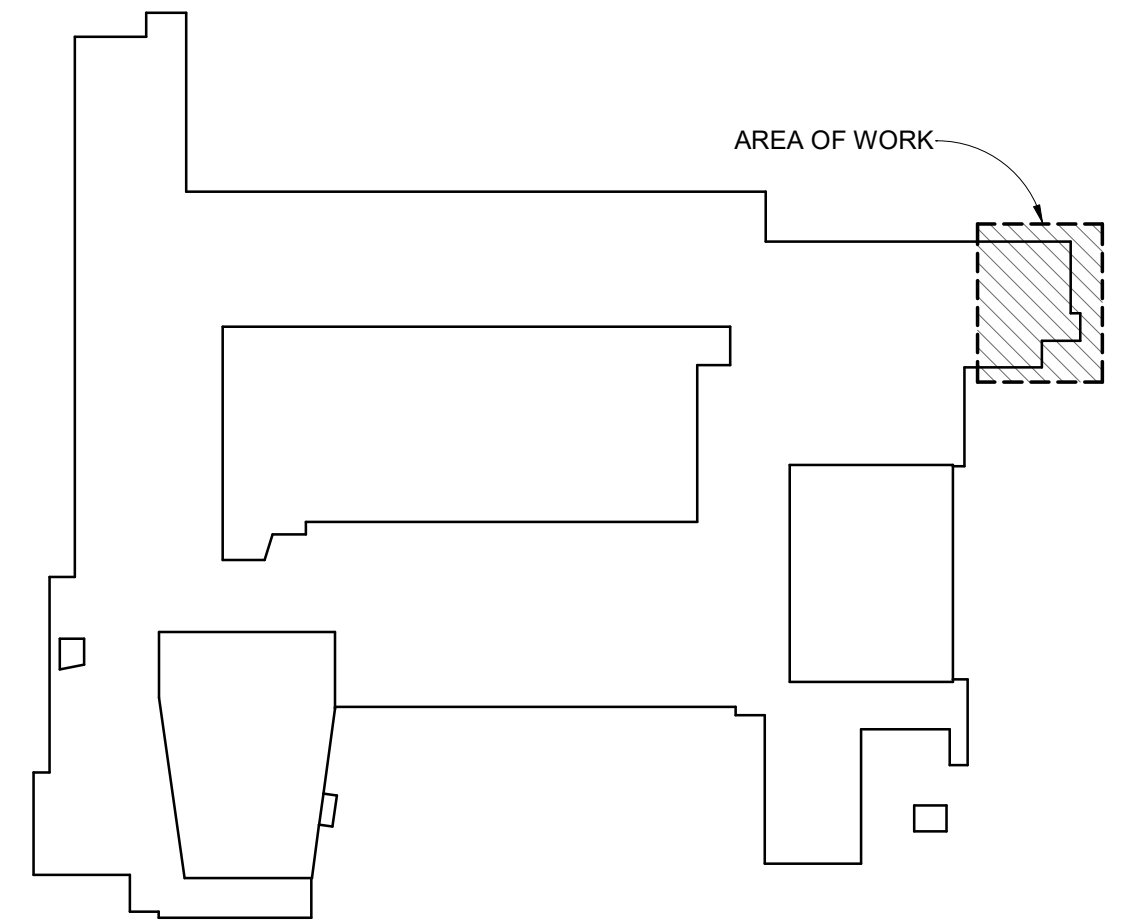
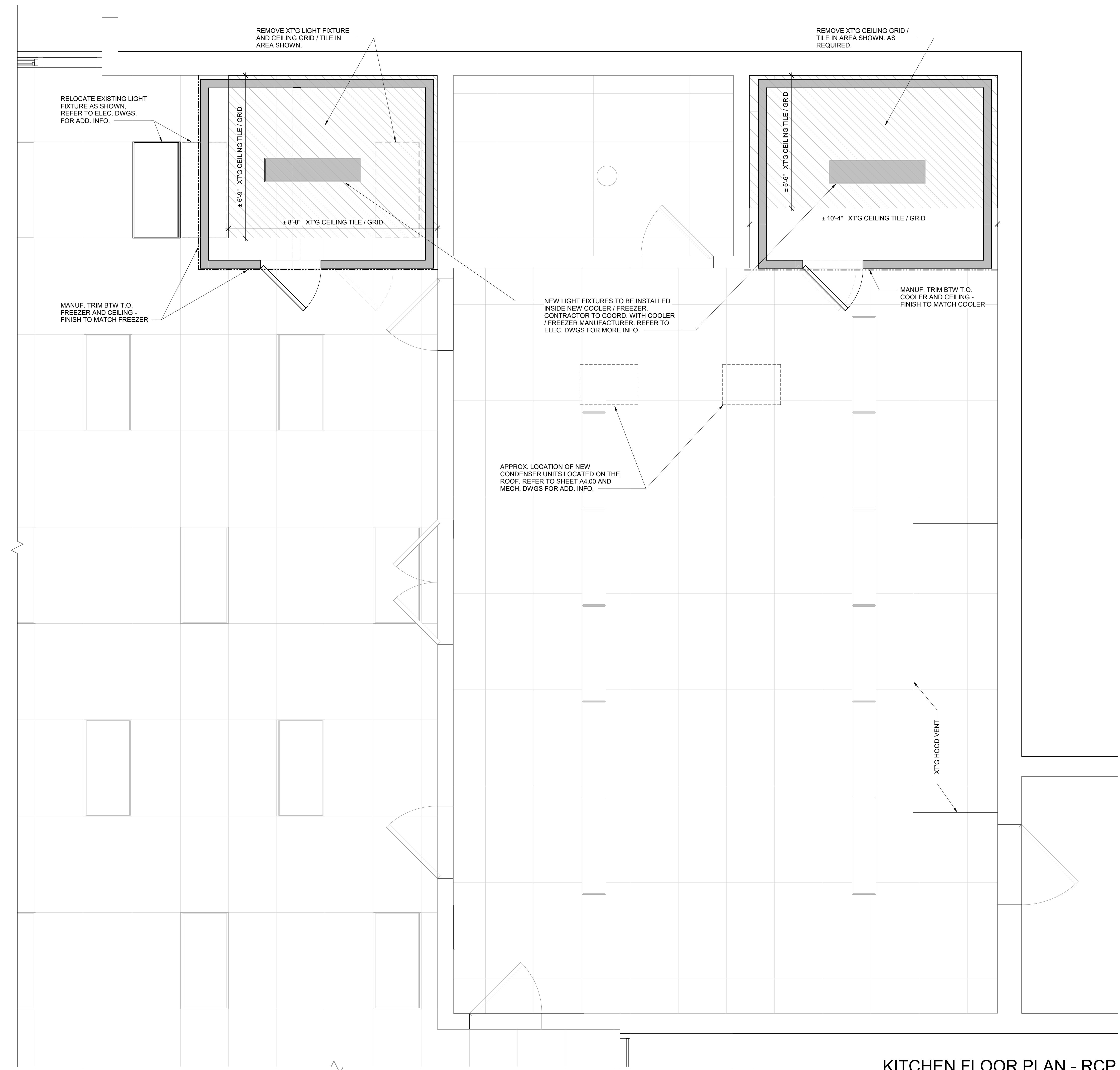
KITCHEN FLOOR PLAN - NEW
SCALE: 1/2" = 1'-0"

MATERIAL FINISH SCHEDULE							
MATERIAL	TAG	MANUFACTURER	STYLE	COLOR	MODEL NO.	SIZE	COMMENTS
ACOUSTICAL CEILING TILE	ACT	USG	RADAR EDUCATION ACOUSTICAL PANELS	WHITE	#2207	2' x 4'	"CLASS A" - UL RATED 1HR ORDER AS NEEDED
PAINT	PT	SHERWIN WILLIAMS	EGG SHELL	NAVAJO WHITE	SW7689	-	STORAGE ROOM WALLS
RUBBER BASE	RB	ARMSTRONG FLOORING	COVED ROLL	EBONY	#R41EB	6"	WALL BASE
VINYL COMPOSITE TILE	VCT	ARMSTRONG FLOORING	STANDARD EXCELON IMPERIAL TEXTURE	PEWTER	51908	12" x 12"	FLOOR TILE - VERIFY COLOR WITH ARCH. PRIOR TO ORDERING

NOTE: THIS SCHEDULE PROVIDES ALL NEW MATERIALS / FINISHES FOR BASES OF DESIGN. REFER TO SPECIFICATIONS TO ADDITIONAL INFORMATION.

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3/15/2024 12:25:31 AM Autodesk Docs\MPIS - Arborwood South - 24103 - Cooler\24103 - AVS Cooler & Freezer - 2024.rvt



KEY PLAN
SCALE: 1" = 80'-0"

KITCHEN FLOOR PLAN - RCP
SCALE: 1/2" = 1'-0"



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03.18.2024	BIDDING & STATE REVIEW

COOLER / FREEZER REPLACEMENT & RELATED WORK

AT **ARBORWOOD SOUTH ELEMENTARY**
1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162

FOR **MONROE PUBLIC SCHOOLS**
1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

JOB # 24103

REFLECTED CEILING PLAN

A3.00



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MAKE
MAKE

DATE	DESCRIPTION
03.18.2024	BIDDING & STATE REVIEW

COOLER / FREEZER REPLACEMENT & RELATED WORK

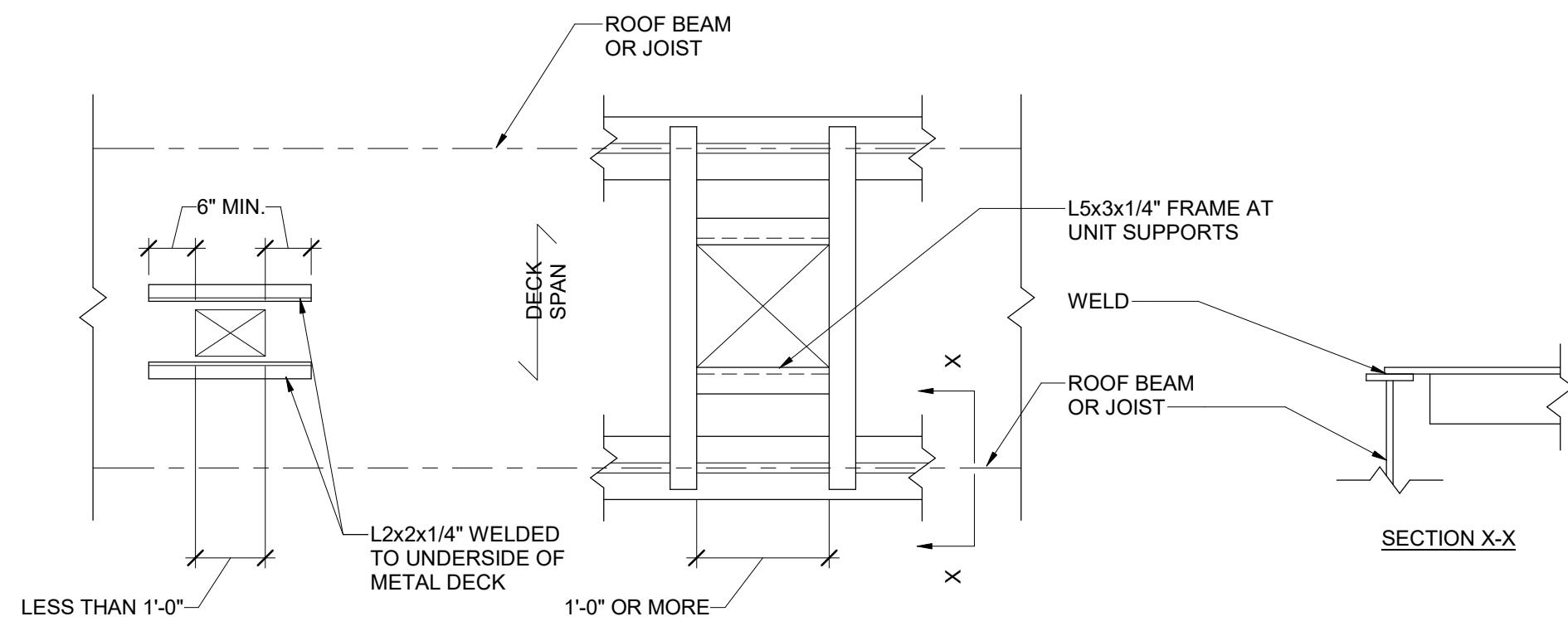
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MONROE PUBLIC SCHOOLS
1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

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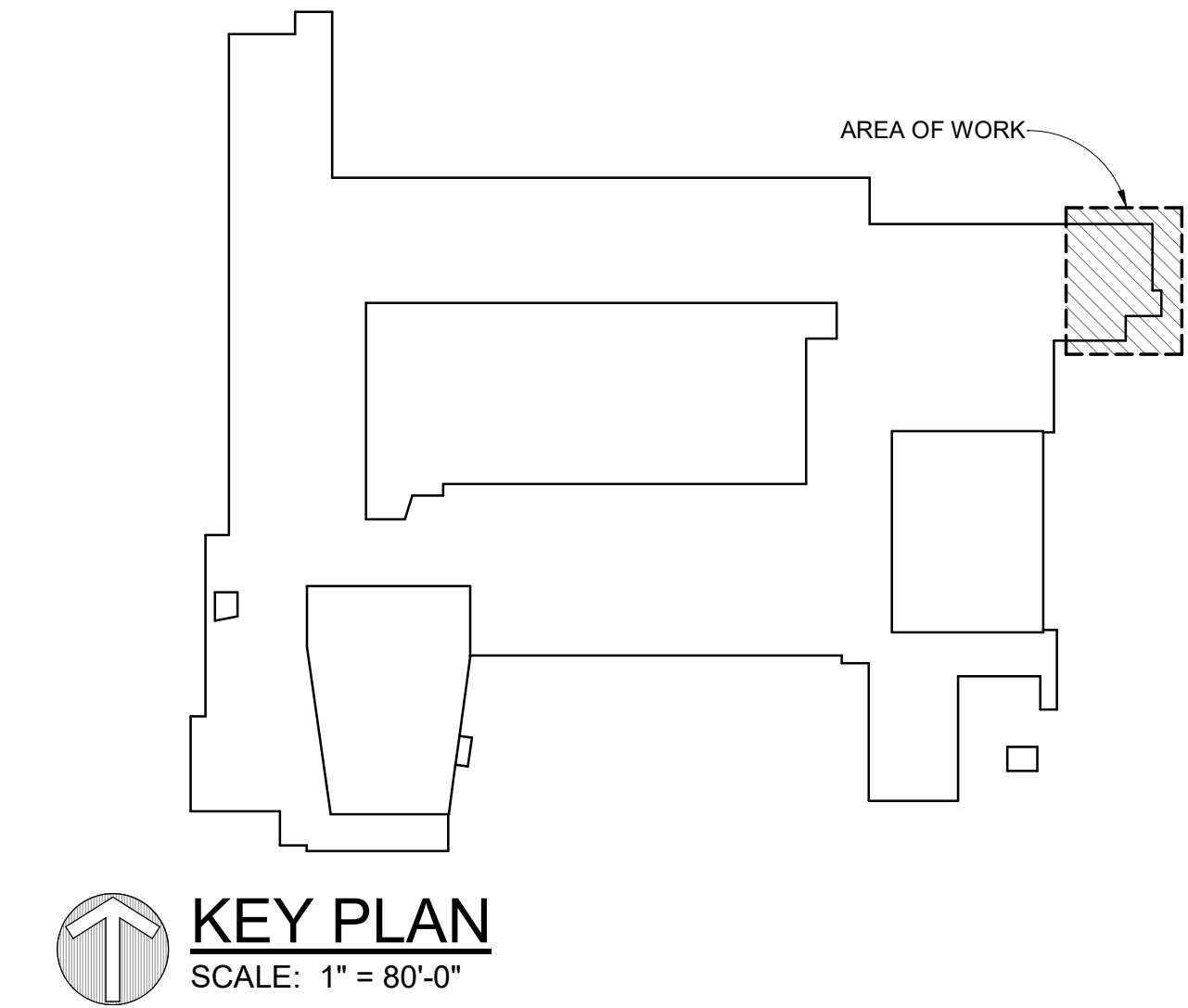
JOB # **24103**

ROOF PLAN

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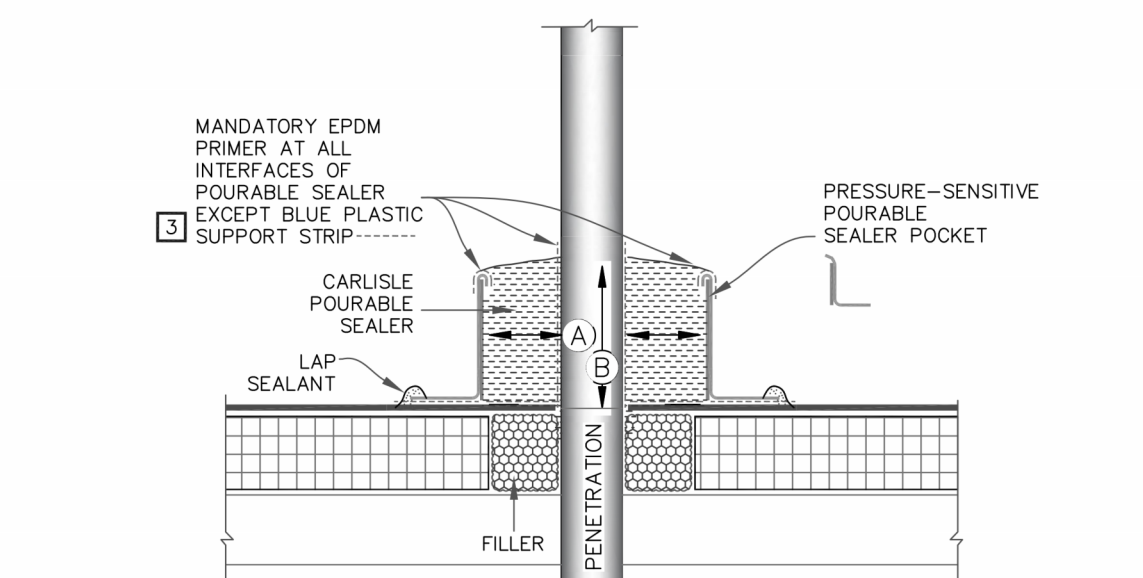
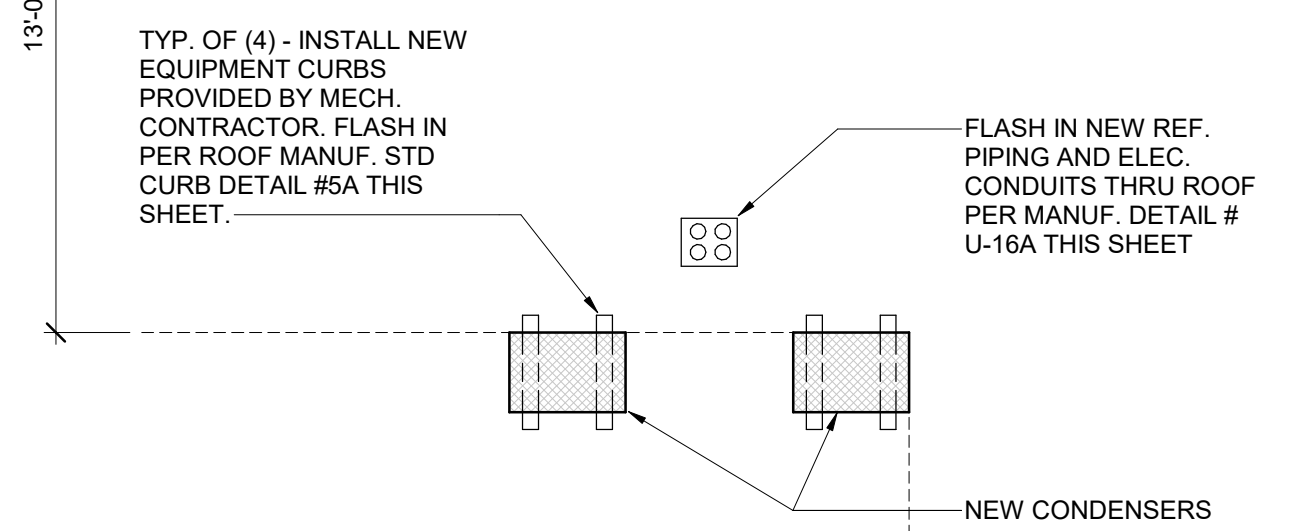
TYP. ROOF REINFORCEMENT DETAIL
SCALE: 1" = 1'-0"



KEY PLAN
SCALE: 1" = 80'-0"

■ THERMOSET MEMBRANE ■ EPDM ■

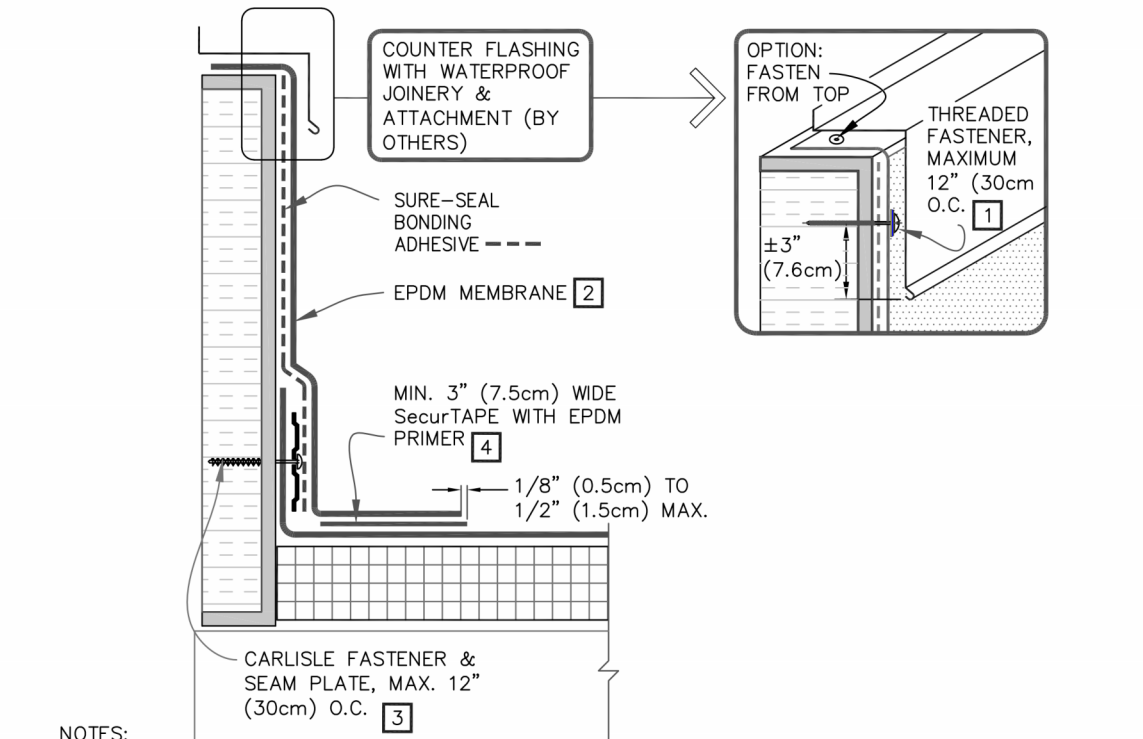
NOTE:
XTG CARLISLE FULLY-ADHERED EPDM ROOF INSTALLED IN 2016, CARLISLE WARRANTY #CMD 1194704. ALL ROOF MODIFICATIONS MUST BE DONE BY A CARLISLE APPROVED INSTALLER.



- NOTES:**
- THE MAXIMUM ALLOWABLE SURFACE TEMPERATURE OF THE PENETRATION SHALL NOT EXCEED 180° F. (82° C).
 - ALL DEBRIS (PAINT, RUST, LEAD, OTHER FLASHINGS, ETC.) MUST BE REMOVED FROM THE PENETRATION.
 - ALL SURFACES MUST BE PRIMED WITH EPDM PRIMER PRIOR TO APPLYING POURABLE SEALER. DO NOT PRIME THE BLUE PLASTIC SUPPORT STRIP.
 - POURABLE SEALER MUST COMPLETELY FILL POURABLE SEALER POCKET TO PREVENT PONDING OF WATER.
 - POURABLE SEALER MUST CONTACT PRIMED PRESSURE-SENSITIVE ELASTOFORM FLASHING AND DECK MEMBRANE.
 - SECUREMENT IS REQUIRED FOR POURABLE SEALER POCKETS WHICH ARE GREATER THAN 18" (46cm) IN DIAMETER. REFER TO SPECIFICATIONS.
 - ON MECHANICALLY-FASTENED ROOFING SYSTEMS, ADDITIONAL MEMBRANE SECUREMENT IS REQUIRED (SIMILAR TO DETAIL_ME-8A) REGARDLESS OF SIZE OR DIAMETER.
 - MINIMUM 1" (2.5cm) CLEARANCE REQUIRED BETWEEN PENETRATIONS.

CARLISLE SYNTEC SYSTEMS	PRESSURE-SENSITIVE POURABLE SEALER POCKET	DETAIL NO.
	MAXIMUM WARRANTY: 20 YEARS	U-16A
© 2024 Carlisle SynTec a division of Carlisle Construction Materials Incorporated		U (UNIVERSAL DETAIL)

■ THERMOSET MEMBRANE ■ EPDM ■



- NOTES:**
- IN CASE THE THREADED FASTENERS ARE USED TO PENETRATE THE METAL COUNTER-FLASHING, USE EPDM WASHERS, APPLY WATER CUT-OFF MASTIC UNDER THE COUNTER-FLASHING OR SEAL THE FASTENER HEADS WITH SEALANT.
 - LAP SEALANT IS REQUIRED ON CUT-EDGES OF REINFORCED MEMBRANE.
 - SEAM PLATES AND FASTENERS MAY BE INSTALLED INTO THE STRUCTURAL DECK AND THEN HP FASTENERS AND POLYMER SEAM PLATES ARE REQUIRED FOR MECHANICALLY-FASTENED ROOFING SYSTEMS OVER STEEL DECKS.
 - MEMBRANE SPLICES SHALL INCORPORATE 3" (7.6cm) WIDE SecurTAPE FOR PROJECTS WITH 25-YEAR AND 6" (15.2cm) FOR 30-YEAR WARRANTIES.
 - IF THE VERTICAL SPLICE ON THE CURB FLASHING IS NOT LOCATED AT THE CORNER, USE DETAIL U-2C FOR EPDM MEMBRANE SPLICES AT ANGLE CHANGES.

CARLISLE SYNTEC SYSTEMS	CURB FLASHING - EPDM MEMBRANE	DETAIL NO.
	MAXIMUM WARRANTY: 30 YEARS	U-5A
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■ THERMOSET MEMBRANE ■ EPDM ■

ENLARGED ROOF PLAN @ CAFETERIA
SCALE: 1/4" = 1'-0"

CEL0095AS6AMAB0200 - SUBMITTAL



Project Name: QUOTE MPS ARBORWOOD, Project Location: US, Item #: 2500, Submitted On: 01/05/2024

For Record For Approval By: Date:

General Product Information

Product Family: CEL, Motor type: 2 SPEED EC, Defrost Type: Air, Number of Fans: 2, Voltage: 115V/60, Fan HorsePower: 120, Refrigerant Type: R448A, Fans per Inch: 6

Technical Information

Performance Data

Table with columns: TD, SST, Application Capacity, CFM, Fan Diameter, Air Throw, Altitude, AWEF Value

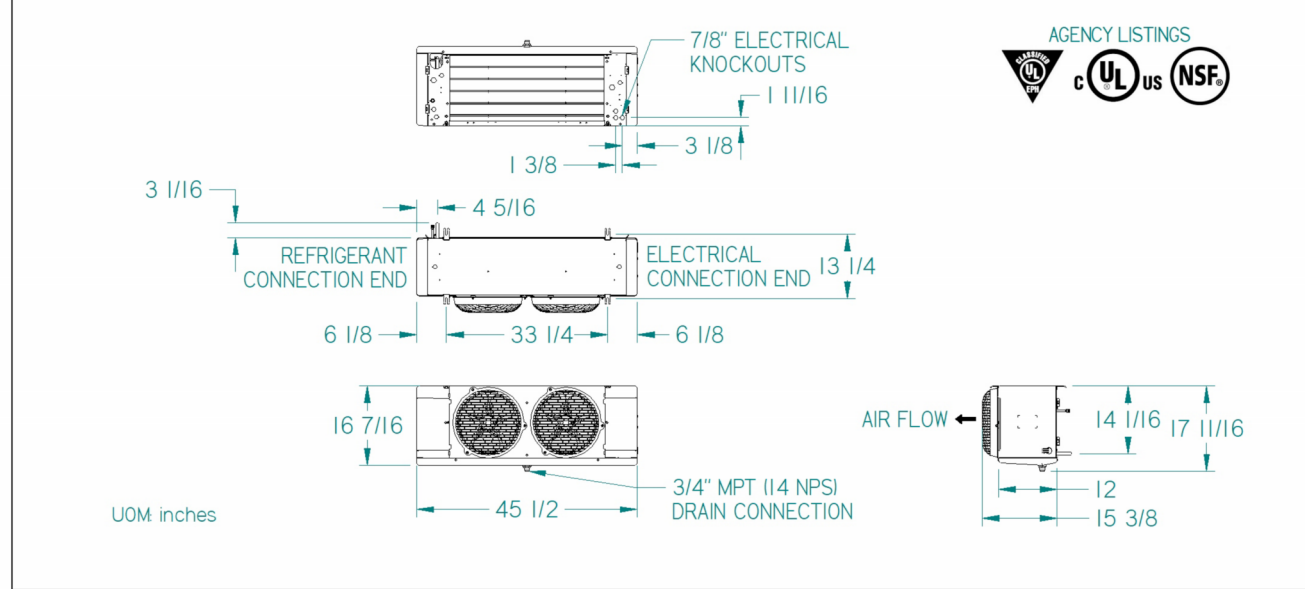
Electrical Data

Table with columns: Fan Motors, Defrost Heater(s), Drain Pan Heater(s), Watts, Amps

Unit Specifications

Table with columns: Coil Inlet, Suction, External Equalizer, Drain, Side Port, Hot Gas Drain Pan, Approx. Net Weight

Dimensional Drawing(s)



CCH0010MCACZA0000 - SUBMITTAL



Project Name: QUOTE MPS ARBORWOOD, Project Location: US, Item #: 2500, Submitted On: 01/05/2024

For Record For Approval By: Date:

Standard Features

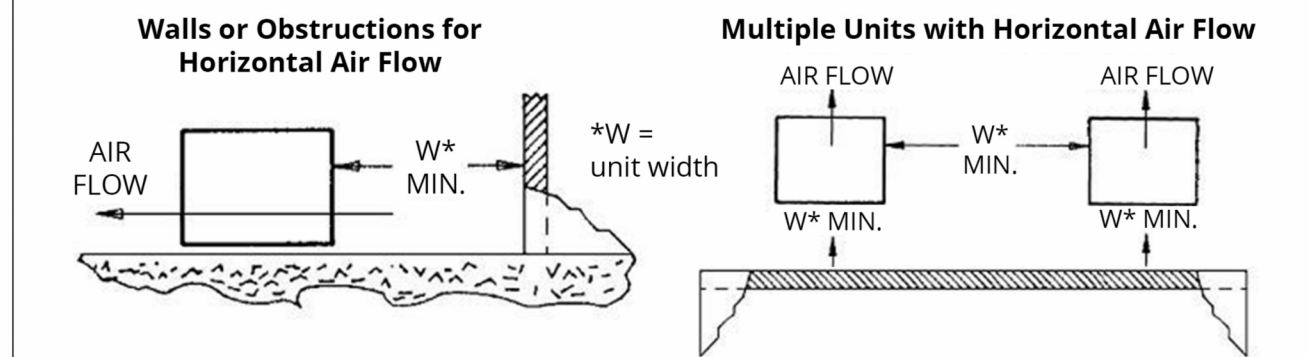
- CABINET AND CONSTRUCTION: MICROCHANNEL COIL TECHNOLOGY STANDARD ON ALL UNITS. QUALITY: ALL UNITS ARE COMPLETELY LEAK TESTED IN A HELIUM ENVIRONMENT...

- SERVICEABILITY: SUCTION SERVICE VALVES FOR HERMETIC AND SCROLL COMPRESSORS LOCATED OUTSIDE THE CABINET FOR QUICK INSTALLATIONS...

Options

- Mounted Options: Preferred Package Code - A000, Motor - FIXED SPEED EC, Receiver Options - STANDARD...

Minimum Unit Clearances



* Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method...

CCH0010MCACZA0000 - SUBMITTAL



Project Name: QUOTE MPS ARBORWOOD, Project Location: US, Item #: 2500, Submitted On: 01/05/2024

For Record For Approval By: Date:

General Product Information

Product Family: HTS, Application: Outdoor, Compressor Brand: Copeland, Temperature Range: Medium Temp, Voltage: 208-230/3/60, Refrigerant Type: R448A, Piping: Standard

Technical Information

Performance Data

Table with columns: Ambient Temperature, Saturated Suction Temperature, Application Capacity, Altitude, AWEF Value

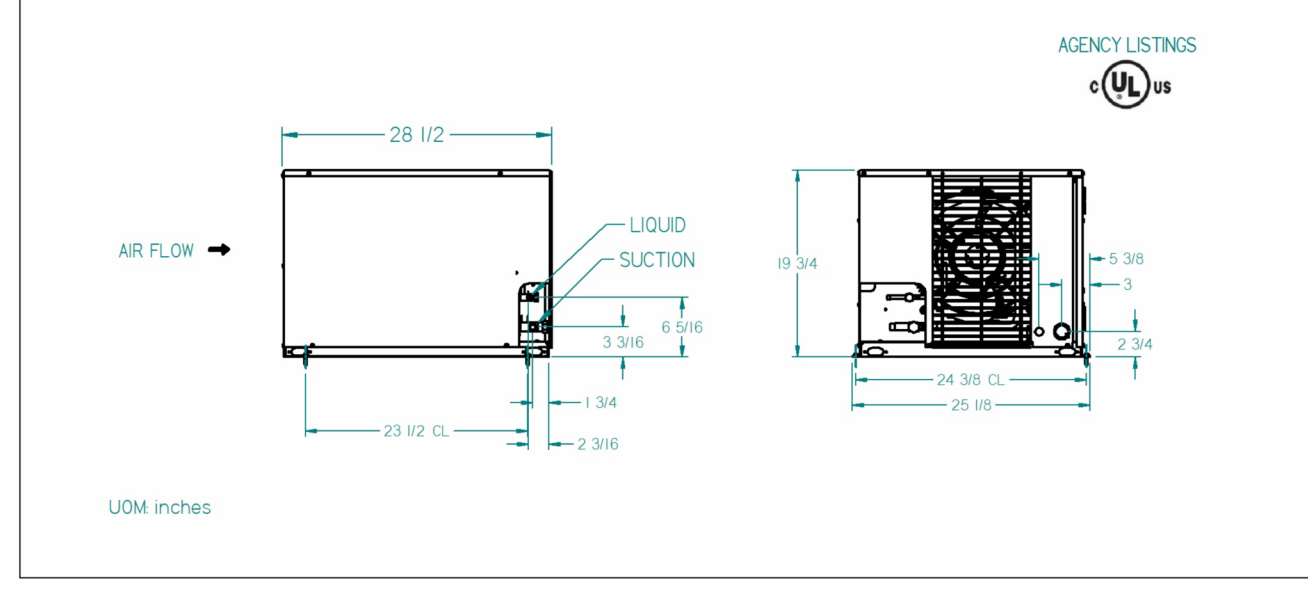
Electrical Data

Table with columns: Compressor(s), Fan Motor(s), Electric Ratings, RLA, LRA, Quantity, Hp, FLA, Defrost Type, High or Low Amps?

Unit Specifications

Table with columns: Connections, Receiver 80% Full, Fan Inlet(s), Sound Data, Approx. Net Weight

Dimensional Drawing(s)



CEL0095AS6AMAB0200 - SUBMITTAL



Project Name: QUOTE MPS ARBORWOOD, Project Location: US, Item #: 2500, Submitted On: 01/05/2024

Standard Features

- EASE OF INSTALLATION SERVICE: ALL ELECTRICAL COMPONENTS FACTORY WIRED TO TERMINAL BOARD AND IDENTIFIED, MAKING IT EASY TO FIELD WIRE THE UNIT.

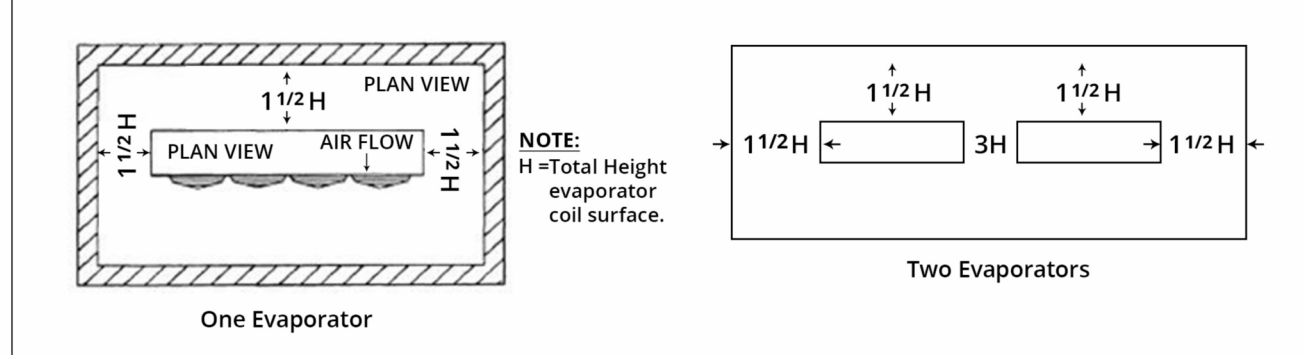
- RELIABLE DURABLE: HEAVY GAUGE GRAINED ALUMINUM CABINET CLEANS EASILY AND LOOKS ATTRACTIVE. MOLDED FAN GUARD AND ACCESS PANELS ARE MADE OF STRONG, DURABLE, AND NSF AND UL SANITATION RATED PLASTIC MATERIAL...

- PERFORMANCE: EC MOTORS STANDARD ON ALL MODELS FOR IMPROVED UNIT EFFICIENCY. VERSATILE: LARGE DIAMETER DRAIN HOLE (3/4" ID) IS LOCATED TOWARDS THE BACK OF THE CABINET...

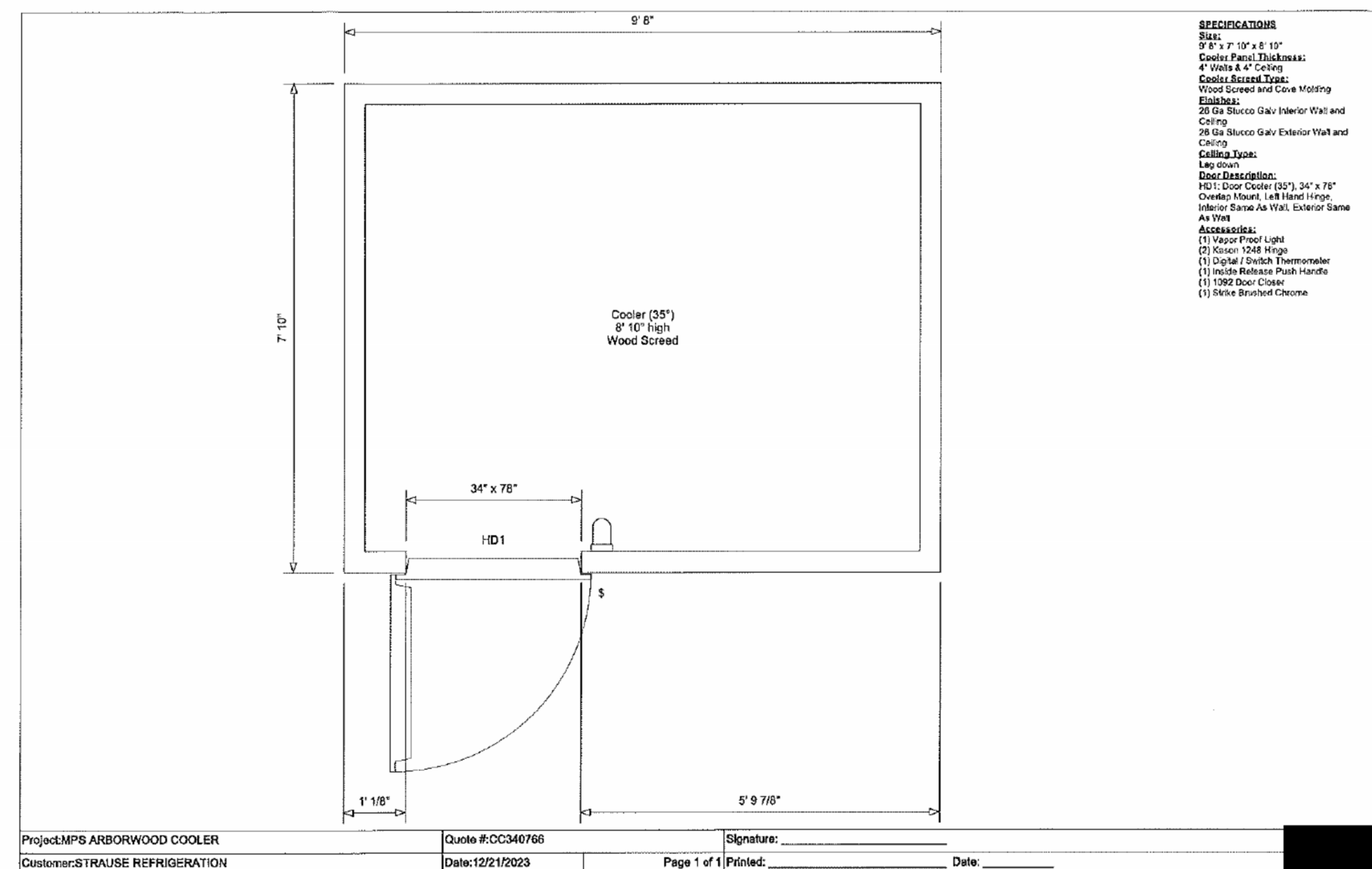
Options

- Mounted Options: Brand Label - CLIMATE CONTROL, DFTD Option - None, Fan Guard - Molded, Drain Pan Type - Stucco, Fan Material - Aluminum...

Minimum Unit Clearances



* Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-in Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method...



Project: MPS ARBORWOOD COOLER, Customer: STRAUSS REFRIGERATION, Quote #: C0346766, Date: 12/12/2023, Page 1 of 1



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DATE: 03.18.2024, DESCRIPTION: BIDDING & STATE REVIEW

COOLER / FREEZER REPLACEMENT & RELATED WORK AT ARBORWOOD SOUTH ELEMENTARY, 1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162 FOR MONROE PUBLIC SCHOOLS, 1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

JOB # 24103

WALK-IN COOLER SPECS

A8.00



CEL0100BS6EEAB0200 - SUBMITTAL

Project Name:	QUOTE MPS ARBORWOOD	Project Location:	US
Quote ID:	R298298	Item #:	4000
Submitted For:	DORIAN	Submitted On:	01/05/2024
Submitted By:	Mike Mathison	Submitted From:	
Identity #:		Tag:	

For Record For Approval By: _____ Date: _____

General Product Information

Product Family:	CEL	Motor type:	EC
Defrost Type:	Electric	Number of Fans:	2
Voltage (Volts/Ph/Hz):	208-230/1/60	Fan Horsepower:	1/20
Refrigerant Type:	R404A	Fins per Inch:	6

Technical Information

Performance Data

TD (°F)	SST (°F)	Capacity Application Capacity* (BTU/h)	CFM	Air Flow		Altitude (ft)	AWEF Value	
				Fan Diameter (in.)	Air Throw (ft)		Cooler > .32	Freezer <= .32
10	-20.0	9,900	1281	12	Standard	0	N/A	4.03

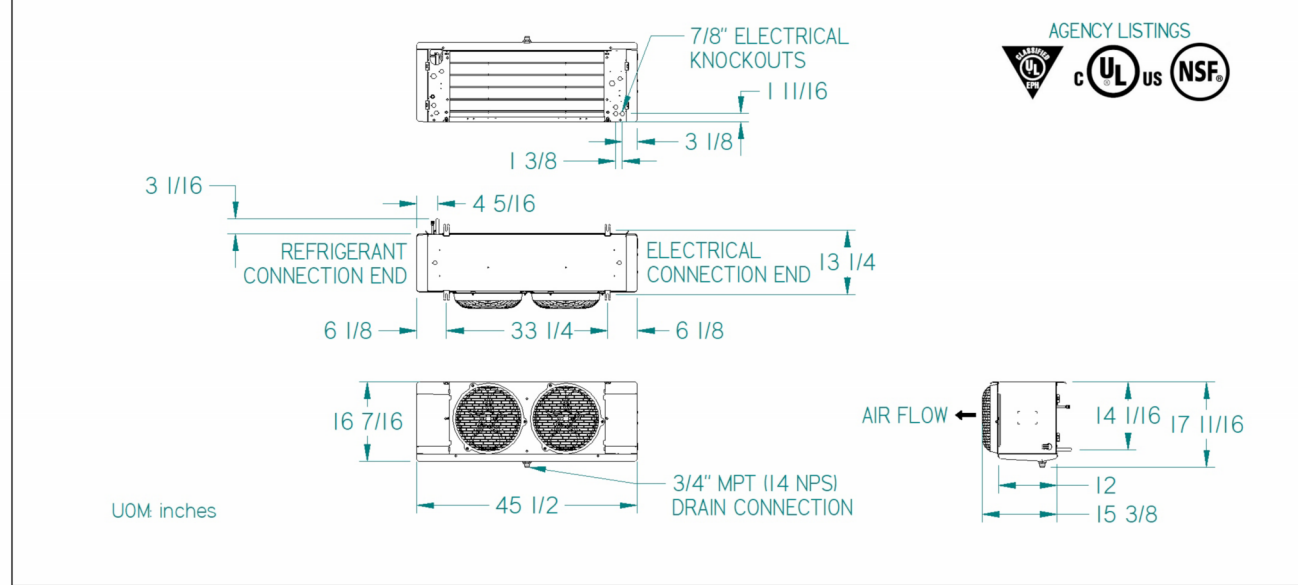
Electrical Data

Fan Motor(s)		Defrost Heater(s)		Drain Pan Heater(s)	
Watts	Amps	Watts	Amps	Watts	Amps
118	1	2100	9.1		

Unit Specifications

Connections (in.)						Approx. Net Weight (lbs)
Coil Inlet	Suction	External Equalizer	Drain	Side Port	Hot Gas Drain Pan	
1/2	7/8	1/4	3/4			59

Dimensional Drawing(s)



CEL0100BS6EEAB0200 - SUBMITTAL



Project Name:	QUOTE MPS ARBORWOOD	Project Location:	US
Quote ID:	R298298	Item #:	4000
Submitted For:	DORIAN	Submitted On:	01/05/2024
Submitted By:	Mike Mathison	Submitted From:	
Identity #:		Tag:	

Standard Features

EASE OF INSTALLATION SERVICE

- ALL ELECTRICAL COMPONENTS FACTORY WIRED TO TERMINAL BOARD AND IDENTIFIED, MAKING IT EASY TO FIELD WIRE THE UNIT

RELIABLE DURABLE

- HEAVY GAUGE GRAINED ALUMINUM CABINET CLEANS EASILY AND LOOKS ATTRACTIVE
- MOLDED FAN GUARD AND ACCESS PANELS ARE MADE OF STRONG, DURABLE, AND NSF AND UL SANITATION RATED PLASTIC MATERIAL
- SWIFT CONNECTIONS TO REDUCE POTENTIAL FOR LEAKS

VERSATILE

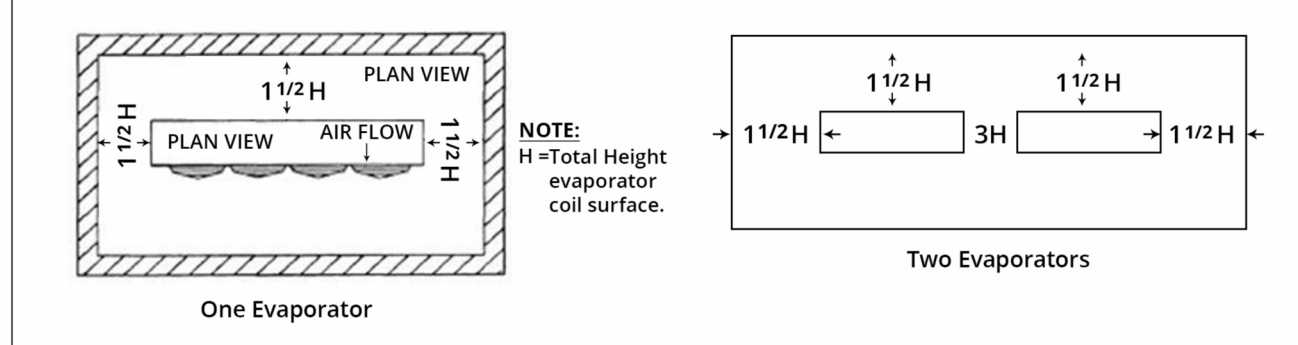
- LARGE DIAMETER DRAIN HOLE (3/4" ID) IS LOCATED TOWARDS THE BACK OF THE UNIT
- MINIMAL HEIGHT OF THE LOW PROFILE SERIES MAKES IT IDEAL FOR LOW CEILING COOLERS
- CABINET DESIGN FEATURES HINGED, REMOVABLE FRONT ACCESS PANELS ON EACH SIDE FOR EASY ACCESS TO ELECTRICAL AND REFRIGERATION COMPONENTS
- LIQUID LINE SOLENOID WIRE HARNESS IS FACTORY-INSTALLED FOR QUICK INSTALLATION
- MOTORS PLUG INTO WIRING HARNESS FOR EASIER SERVICING
- HINGED, REMOVABLE DRAIN PAN FOR EASY AND SAFE ACCESS
- PRE-DRILLED HOLES ON THE BACK OF THE UNIT FOR ROOM THERMOSTAT QUICK REMOVAL FAN GUARD/MOTOR ASSEMBLY FOR EASY SERVICE OR REPLACEMENT OF AIR MOVER PARTS
- INTERNAL PANELS ARE ISOLATED FOR QUIET OPERATION
- INTERNALLY ENHANCED TUBING AND FIN DESIGN FOR HIGHER EFFICIENCY

Options

Mounted Options

- Brand Label - CLIMATE CONTROL
- Drain Pan Defrost Voltage - 208-230/1/60
- Fan Blade - Standard
- Cabinet Type - Shuco
- Controller Option - IntelliGen
- INTELLIGEN Integration Card Add On - NO
- Coil Mechanical Option - IntelliGen (EV24BWAED / L-1-112)
- Customer Specified Valve Type - EVV
- Motor - Fixed Speed EC
- DTFD Option - None
- Fan Guard - Mounted
- Drain Pan Type - Shuco
- Fin Material - Aluminum
- INTELLIGEN WallSensor/Mini-System Control Card Add on - NO
- Liquid Temperature - 95
- Valve Family - L

Minimum Unit Clearances



* Capacities shown are Application Capacities reflecting nominal operation at 10°F TD. For models within the scope of the DOE AWEF (Annual Walk-In Energy Factor) standard, the Net Capacity is determined by the AHRI 1250 test method. DOE will publish this compliance data at www.regulations.doe.gov



CCH0030LCBCZA0000 - SUBMITTAL

Project Name:	QUOTE MPS ARBORWOOD	Project Location:	US
Quote ID:	R298298	Item #:	3000
Submitted For:	DORIAN	Submitted On:	01/05/2024
Submitted By:	Mike Mathison	Submitted From:	
Identity #:		Tag:	Freezer

For Record For Approval By: _____ Date: _____

Standard Features

CABINET AND CONSTRUCTION

- MICROCHANNEL COIL TECHNOLOGY STANDARD ON ALL UNITS

QUALITY

- ALL UNITS ARE COMPLETELY LEAK TESTED IN A HELIUM ENVIRONMENT, BUMP TESTED AND ALLOWED TO CYCLE OFF ON THE HIGH AND LOW PRESSURE CONTROL. EACH UNIT HAS A COPY OF THE RUN DATA SHIPPED INSIDE THE ELECTRICAL PANEL
- ELECTRICAL CIRCUITS ARE COMPLETELY CHECKED FOR CONTINUITY
- PIPING IS LAID OUT TO MINIMIZE STRESS AND VIBRATION AND IS PRESENT TO ELIMINATE LEAKS
- ENCAPSULATED, AUTO-RESET, HIGH AND LOW PRESSURE CONTROLS TO ELIMINATE LEAKS (ADJUSTABLE LOW PRESSURE CONTROL STANDARD)
- PAINTED STEEL CABINETS FOR SUPERIOR STRENGTH AND CORROSION PROTECTION
- HEAVY DUTY STEEL, 1-1/2" TALL BASE

SERVICEABILITY

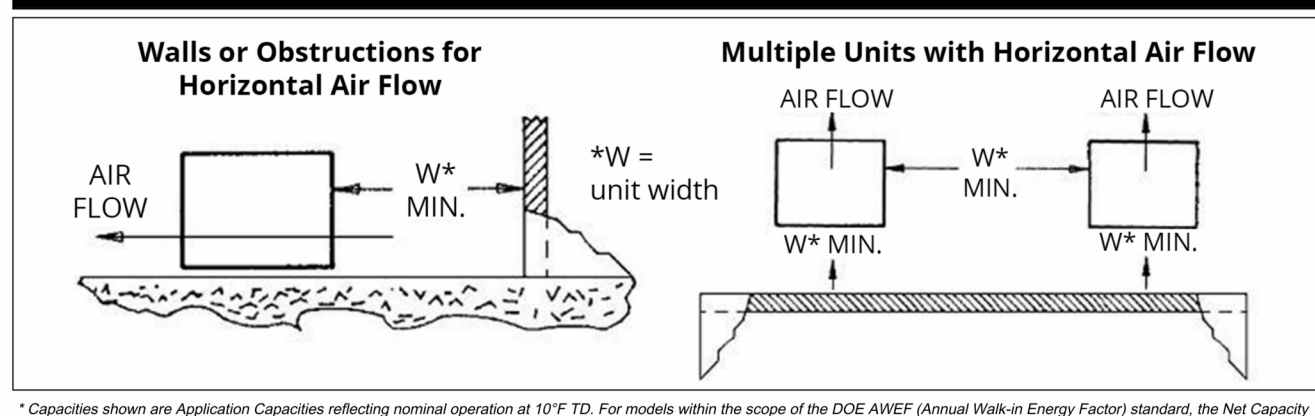
- SUCTION SERVICE VALVES FOR HERMETIC AND SCROLL COMPRESSORS LOCATED OUTSIDE THE CABINET FOR QUICK INSTALLATIONS
- RECEIVER WITH FUSIBLE PLUG, LIQUID SHUTOFF VALVE AND CHARGING PORT IS STANDARD
- LARGE ELECTRICAL PANEL FOR EASE OF ACCESS
- PRE-FABRICATED WIRING HARNESSES FOR TIGHT CRIMP CONNECTIONS AND CONSISTENT LABELING
- UNIT STAYS ON IF THE HOOD IS REMOVED FOR SERVICING
- SIGHT GLASS IS EASILY VIEWABLE

Options

Mounted Options

- Preferred Package Code - A000
- Motor - PSC
- Receiver Options - STANDARD
- Liquid Line Options - FILTER DRIER AND SIGHT GLASS
- Discharge Line Options - HEAD PRESSURE VALVE 145W
- Fused Disconnect - NO FUSED DISCONNECT
- Coilcase Heater - CRANKCASE HEATER
- Pre Charged - NONE
- Hot Gas Valve Factory Installed - NONE
- Brand Label - CLIMATE CONTROL
- Coil Selection - MICROCHANNEL COIL
- Defrost Timer Options - NO TIMER
- Suction Line Options - SUCTION TUBE ONLY
- Cabinet Selection - Painted
- Pressure Options - ADJUSTABLE LOW - FIXED HIGH
- Phase Loss Monitor - NONE
- Snow Legs - NONE

Minimum Unit Clearances



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CCH0030LCBCZA0000 - SUBMITTAL

Project Name:	QUOTE MPS ARBORWOOD	Project Location:	US
Quote ID:	R298298	Item #:	3000
Submitted For:	DORIAN	Submitted On:	01/05/2024
Submitted By:	Mike Mathison	Submitted From:	
Identity #:		Tag:	Freezer

For Record For Approval By: _____ Date: _____

General Product Information

Product Family:	HTS	Compressor Brand:	Copeland
Application:	Outdoor	Compressor Type:	Scroll
Temperature Range:	Low Temp	Compressor Hp:	3
Voltage (Volts/Ph/Hz):	208-230/1/60	Compressor Model:	ZF09K4E-TFS-231
Refrigerant Type:	R404A	Number of Compressor(s):	1
Piping:	Standard	Coil Type:	Microchannel

Technical Information

Performance Data

Ambient Temperature (°F)	Saturated Suction Temperature (°F)	Application Capacity* (BTU/h)	Altitude (ft)	AWEF Value
95	-20.0	9,120	0	3.15

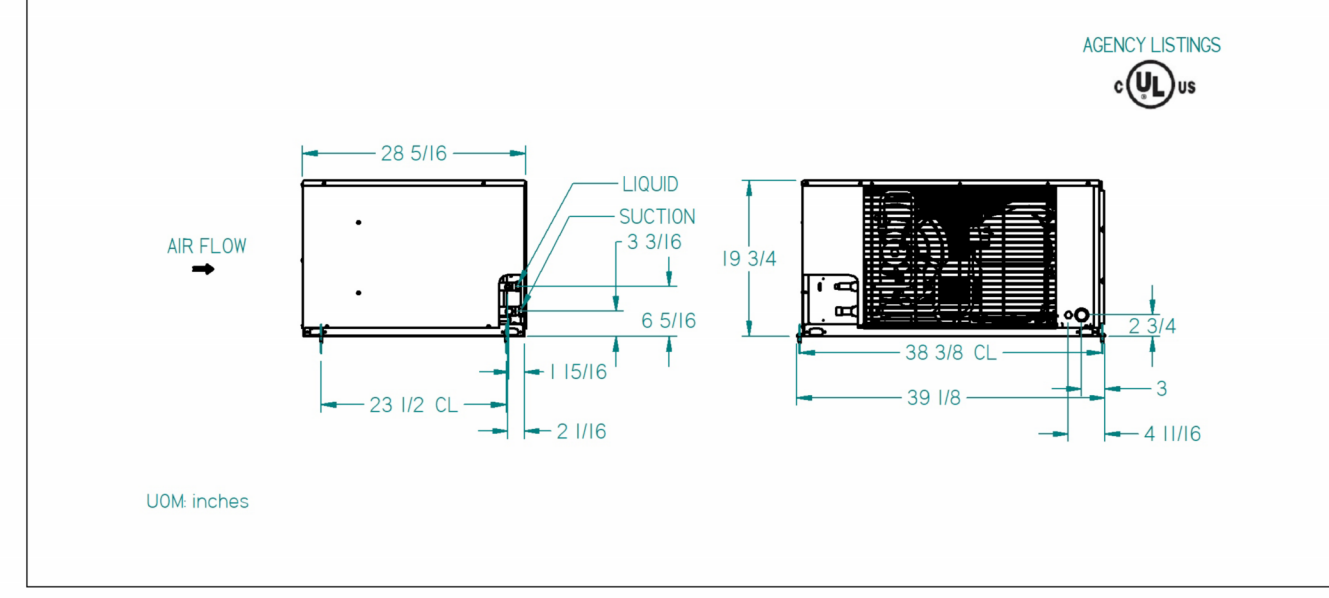
Electrical Data

Compressor(s)		Fan Motor(s)		Electric Ratings							
RLA	LRA	Quantity	Hp	FLA	Defrost Type	High or Low Amps?	Number of Contactors	MCA	MOPD	Evap Fan Amps	Defrost Heater Amps
9.9	77	2	1/15	1	AIR DEFOST		15	20	9	23	

Unit Specifications

Connections (in.)		Receiver 40% Full (lbs)		Fan Blade(s) Diameter (in)		Sound Data (dB)		Approx. Net Weight (lbs)
Liquid Line	Suction	Standard	Over Sized	Standard	Over Sized	Standard	Over Sized	
0.5	0.875	14	20	14	14	64	64	230

Dimensional Drawing(s)



KOHLER ARCHITECTURE
1110 WEST FRONT STREET
MONROE, MICHIGAN 46161
WWW.KOHLERARCHITECT.NET



DATE: 03.18.2024
DESCRIPTION: BIDDING & STATE REVIEW

COOLER / FREEZER REPLACEMENT & RELATED WORK
AT **ARBORWOOD SOUTH ELEMENTARY**
1008 RIVERVIEW AVENUE, MONROE, MICHIGAN 48162
FOR **MONROE PUBLIC SCHOOLS**
1275 NORTH MACOMB STREET, MONROE, MICHIGAN 48162

JOB # 24103

WALK-IN FREEZER SPECS

A8.05