

# PULLAR KITCHEN EXHAUST HOOD

CITY OF SAULT STE. MARIE

435 E PORTAGE AVE.  
SAULT STE. MARIE, MI 49783

U.P. ENGINEERS &  
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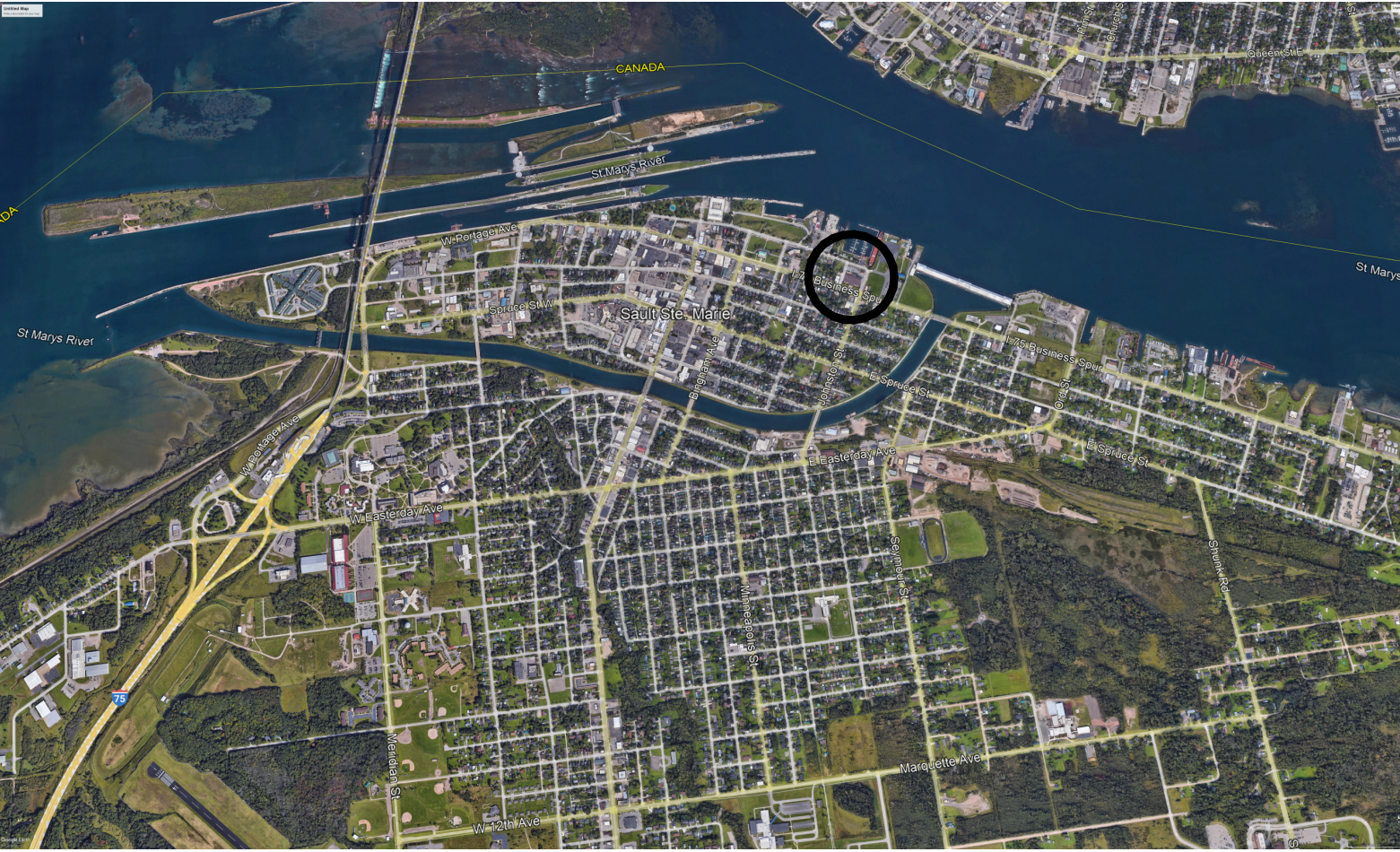
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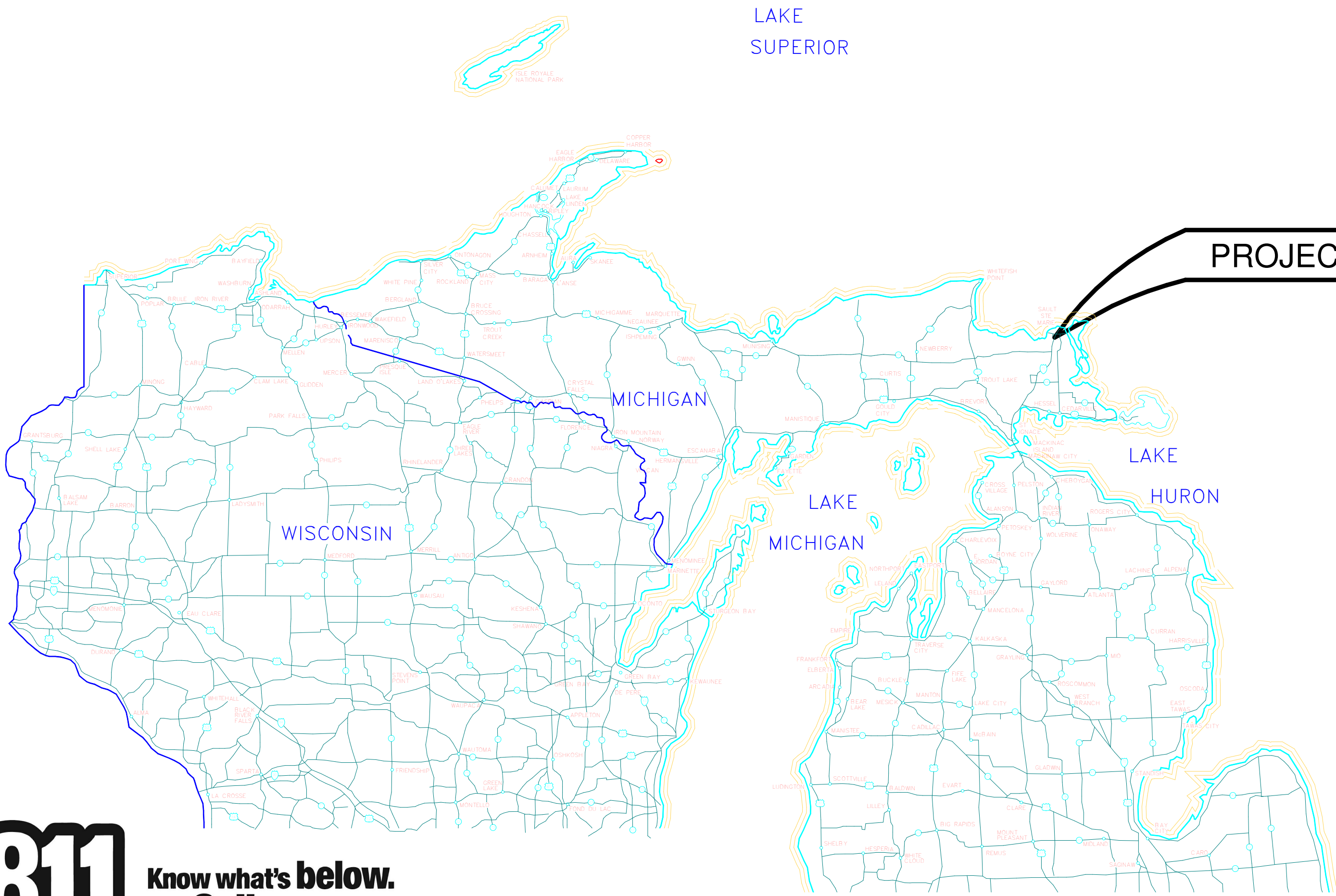
2906 N. STEPHENSON AVE, SUITE 2  
IRON MOUNTAIN, MI 49801  
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F (906) 779-0947



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PROJECT VICINITY MAP



PROJECT LOCATION



Know what's below.  
Call before you dig.

PULLAR KITCHEN EXHAUST HOOD

CITY OF SAULT STE. MARIE  
435 E PORTAGE AVE.  
SAULT STE. MARIE, MI 49783

ISSUED FOR:  
OWNER REVIEW  
BIDSET

DATE:  
10/9/2023  
10/20/2023

SHEET INDEX	
NUMBER	SHEET NAME
G001	TITLE SHEET
C101	CIVIL PLAN
M001	MECHANICAL AND PLUMBING ABBREVIATIONS AND SYMBOLS
M101	MECHANICAL PLAN
M501	MECHANICAL DETAILS
M601	EQUIPMENT DATA
M602	EQUIPMENT DATA
M603	EQUIPMENT DATA
M604	EQUIPMENT DATA
M605	EQUIPMENT DATA

PULLAR KITCHEN EXHAUST HOOD

CITY OF SAULT STE. MARIE

PROJECT NO: S14-03447

DESIGNED BY: SP

DRAWN BY: SP

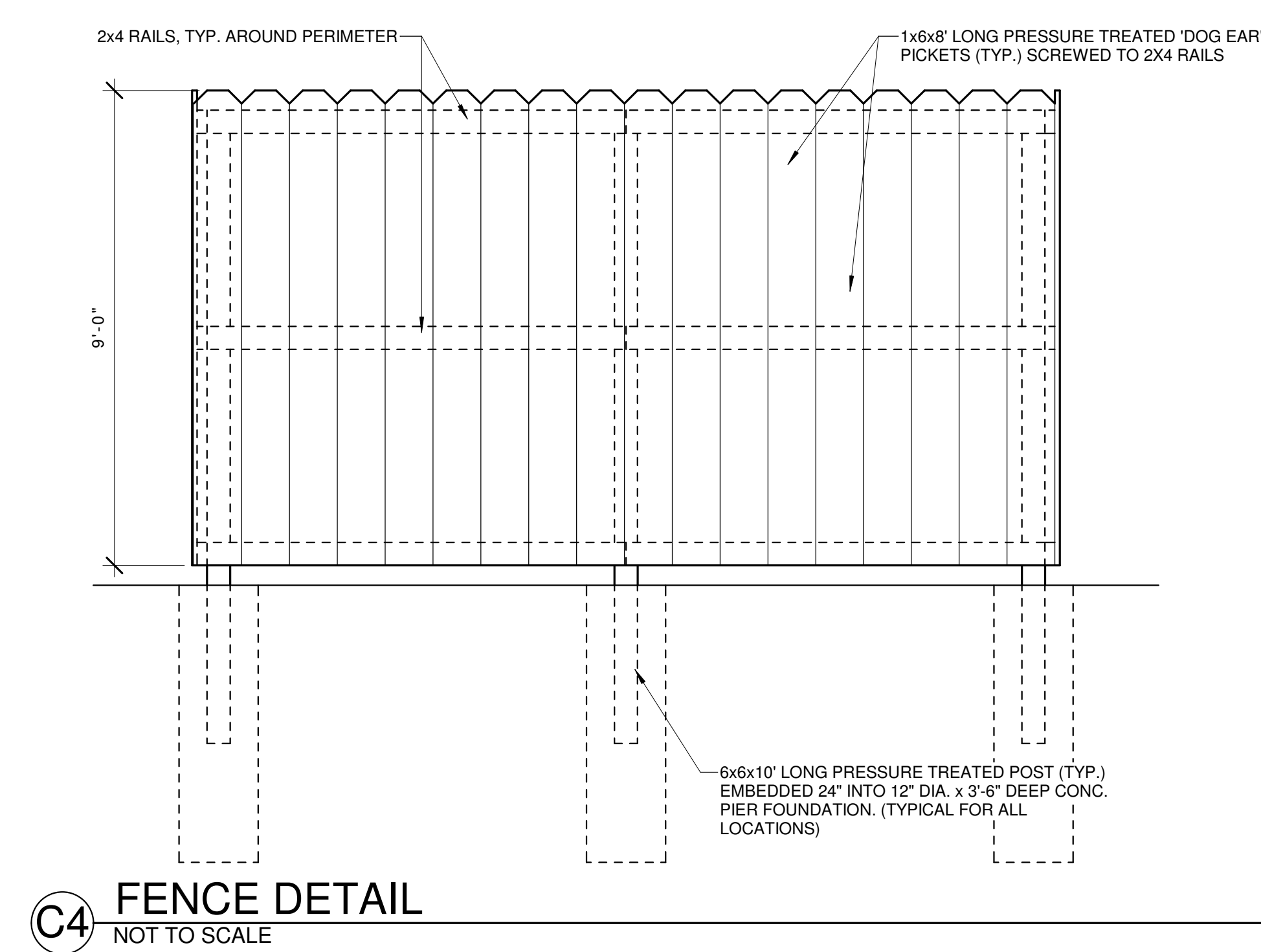
CHECKED: JG

APPROVED: JG

TITLE SHEET

G001





## D

C

**R**

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IE	INVERT ELEVATION
IF	INLINE FAN
IN	INCH OR INCHES
IP	IRON PIPE
INV	INVERT
IWH	INSTANTANEOUS WATER HEATER

NOTE:  
NOT ALL ABBREVIATIONS AND/OR SYMBOLS ARE  
USED IN THIS SET OF DOCUMENTS.

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01/16/2023 2:21:19 PM A

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# M001

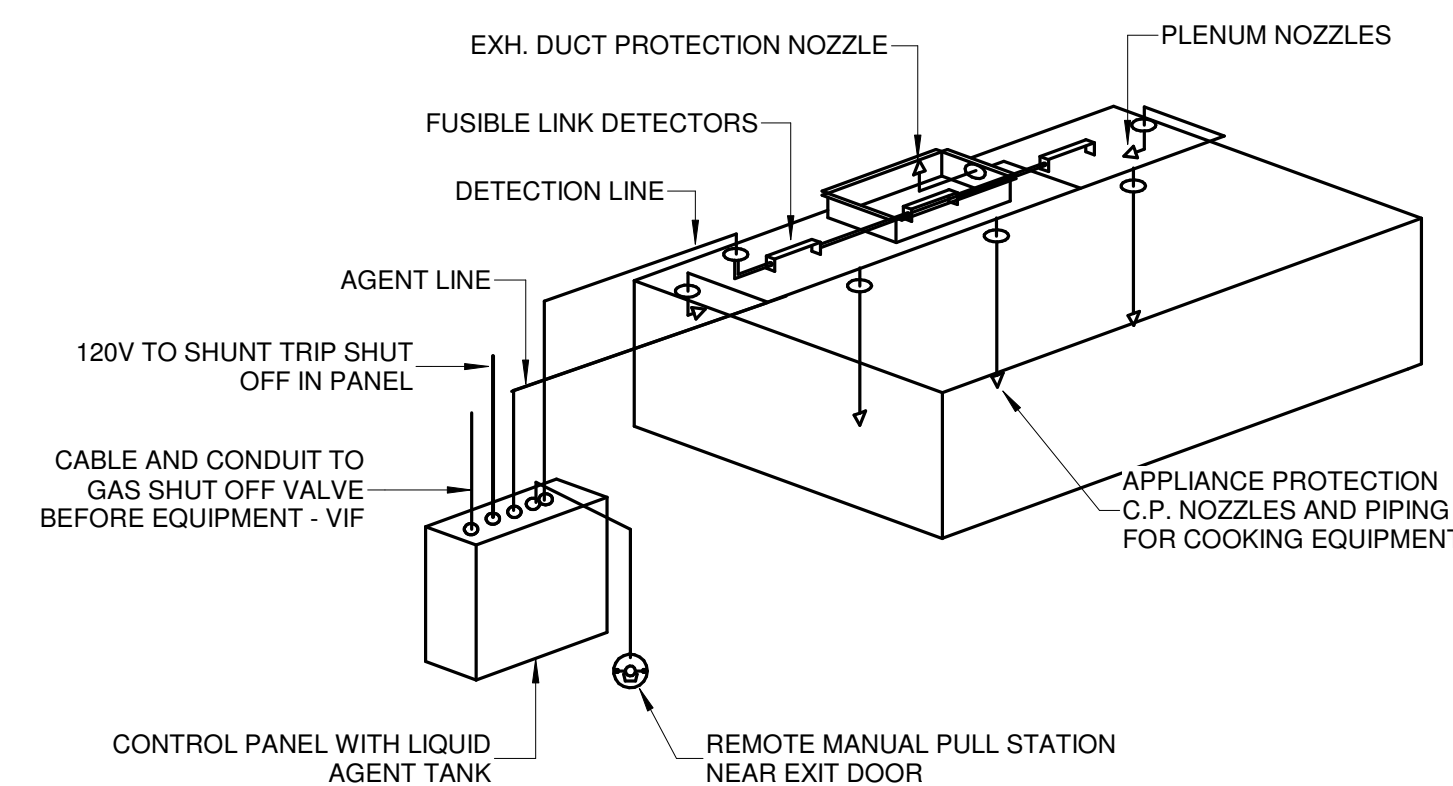




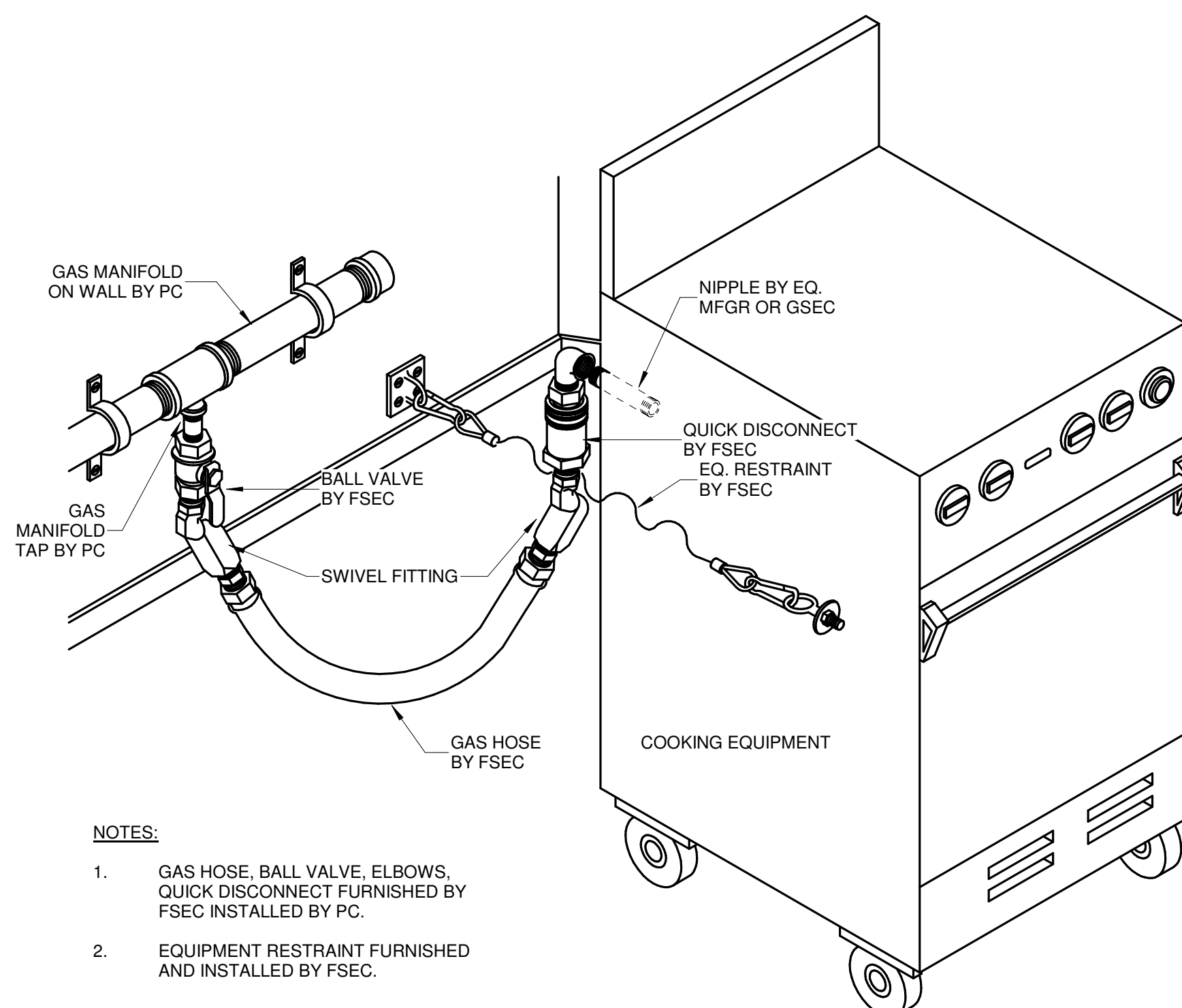


DUCTWORK INSULATION SCHEDULE		
SYSTEM TYPE	INSULATION TYPE	INSULATION OR LINER THICKNESS
SUPPLY DUCTS (EXTERNALLY INSULATED)	D-1, D-2, D-6	1-1/2"
KITCHEN EXHAUST DUCTS (2-LAYER, 1-1/2" EACH)	D-8	3"

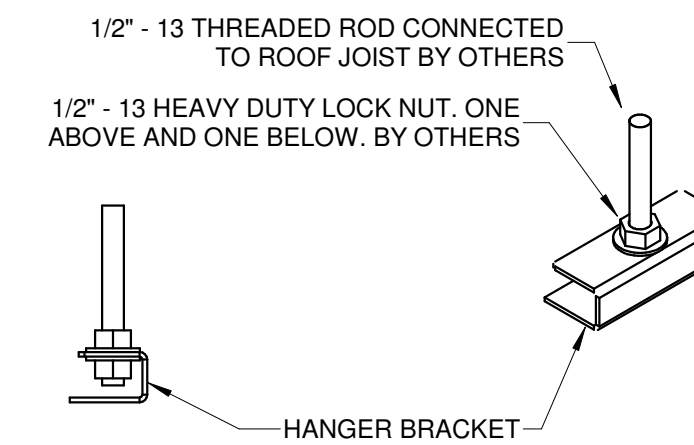
DUCTWORK INSULATION TYPE SCHEDULE	
INSULATION TYPE	DESCRIPTION
D-1	ASTM C1290, TYPE III, FLEXIBLE GLASS FIBER, COMMERCIAL GRADE WITH FACTORY APPLIED REINFORCED FOIL JACKET MEETING ASTM C1136, TYPE II, MAX. OPERATING TEMPERATURE: 250 DEG. F, DENSITY: 1.5 LBS/CU FT.
D-2	ASTM C612, TYPE IA OR IB, RIGID GLASS FIBER, WITH FACTORY APPLIED ALL SERVICE FACING MEETING ASTM C1136, TYPE II, DENSITY: 6.0 LBS/CU FT.
D-3	ASTM C534, TYPE II, FLEXIBLE, CLOSED CELL ELASTOMERIC INSULATION, SHEET, SERVICE TEMPERATURE RANGE: MINUS 58 TO 180 DEG. F.
D-8	INORGANIC BLANKET ENCAPSULATED WITH SCRIM REINFORCED FOIL SURFACE BEING UL 1978, THERMAL CONDUCTIVITY: 0.030 DEG. F, WEIGHT: 1.4 LBS/SQ FT. SURFACE FINISHING CHARACTERISTICS: MAX 0" FLOE SPRAY/SMOKE DEVELOPED INDEX TESTED IN ACCORDANCE WITH ASTM E84.



**C2** TYPICAL FIRE PROTECTION SYSTEM - UL 300  
NOT TO SCALE

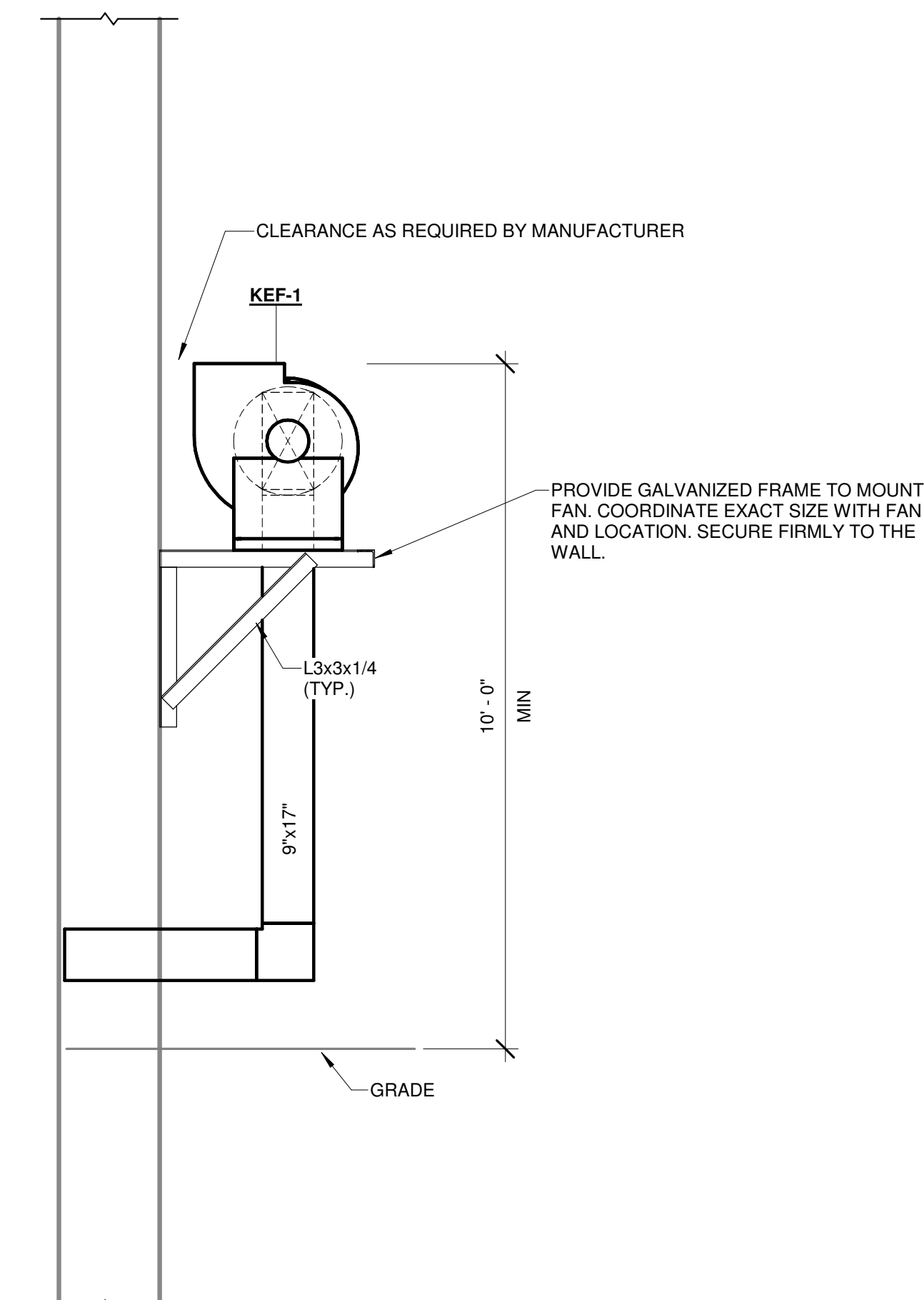


**A2** TYPICAL GAS HOSE & EQUIPMENT RESTRAINT INSTALLATION  
NOT TO SCALE



- NOTES:
1.    THREADED ROD AND LOCK NUTS TO BE SUPPLIED BY INSTALLING CONTRACTOR.
  2.    EQUIPMENT MUST BE SUPPORTED BY ALL HANGING BRACKETS PROVIDED.

**C4** TYPICAL HOOD HANGER BRACKET  
NOT TO SCALE



**A4** EXHAUST FAN DETAIL  
NOT TO SCALE

## **PULLAR KITCHEN EXHAUST HOOD**

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[illegible]

PULLER KITCHEN EXHAUST HOOD	
CITY OF SAULT STE. MARIE	
PROJECT NO: S14-03447	
DESIGNED BY: SP	
DRAWN BY: SP	
CHECKED: SP	
APPROVED: JG	

## MECHANICAL DETAILS

## M501



HOOD INFORMATION

HOOD NO.	MARK	MODEL	HOOD DIMENSIONS (IN.)			HOOD CONSTR.	COOKING LOAD / DUTY RATING	TOTAL CFM	EXHAUST COLLAR(S)					SUPPLY		TOTAL WEIGHT LBS.	SECTION LOCATION
			LENGTH	WIDTH	HEIGHT				WIDTH	LENGTH	DIA.	CFM	S.P.	MUA CFM	AC CFM		
1	KH-1	GHEW-93-S	93	39	24	430 SS WHERE EXPOSED	HEAVY	1744	9	17		1744	0.457			208	SINGLE

HOOD INFORMATION

HOOD NO.	MARK	LIGHTING DETAILS			FOOT CANDLES	GREASE FILTRATION DETAILS			UTILITY CABINET(S)						
		FIXTURE TYPE BULB / LAMP INFO	QTY	TYPE / MODEL MATERIAL		QTY	SIZE (IN.)		LOCATION	FIRE SYSTEM		CONTROLS			
							L	H		TYPE	SIZE	MODEL	INTERFACE		
1	KH-1	INCANDESCENT (GLOBE) 100W A19 (BULBS NOT INCL.)	4	45.49		BAFFLE STAINLESS STEEL		2	16	20					
								3	20	WALL	ANSUL R102	3	GKC		

HOOD OPTIONS

UL 710 LISTED W/ OUT EXHAUST FIRE DAMPER - UL #MH11726

BACK INTEGRAL AIR SPACE - 3 IN WIDE

EXHAUST COLLARS MOUNTED ON HOOD BACK

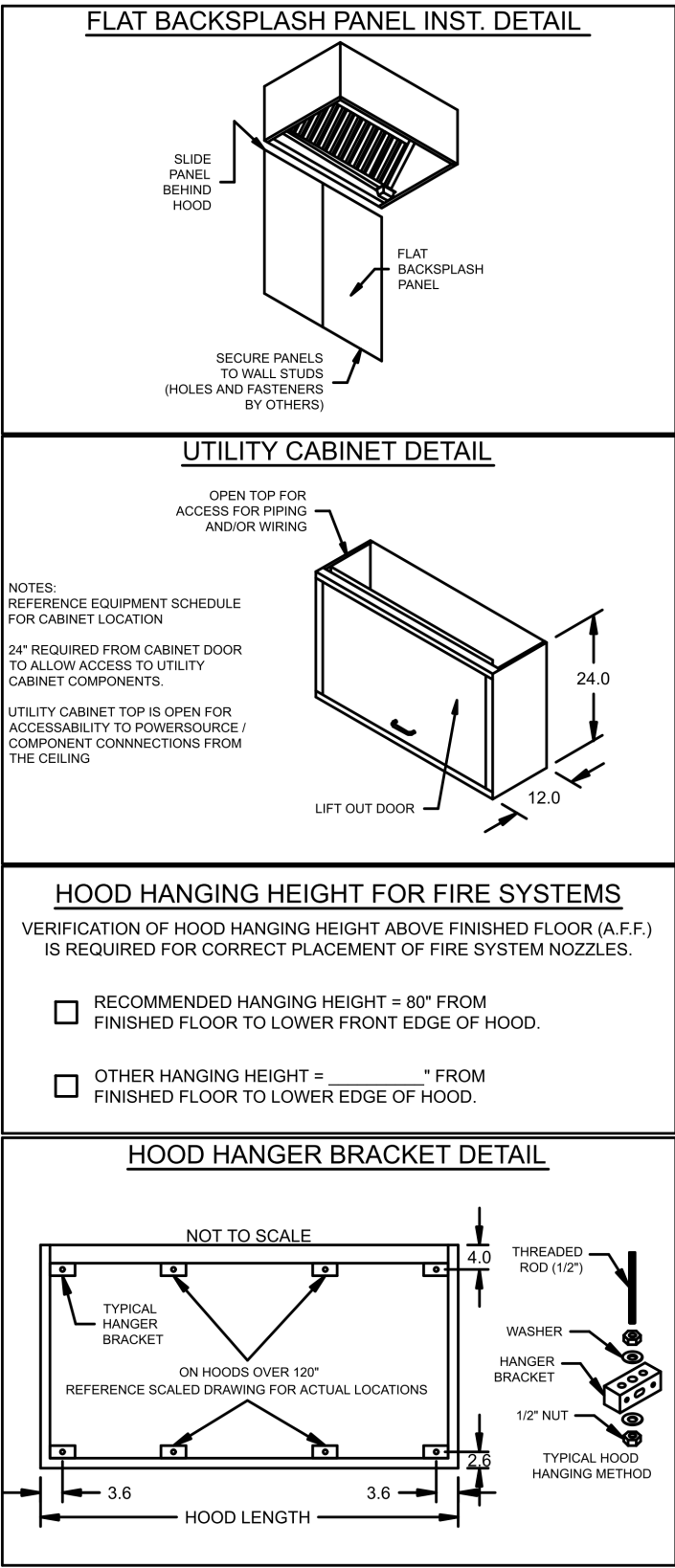
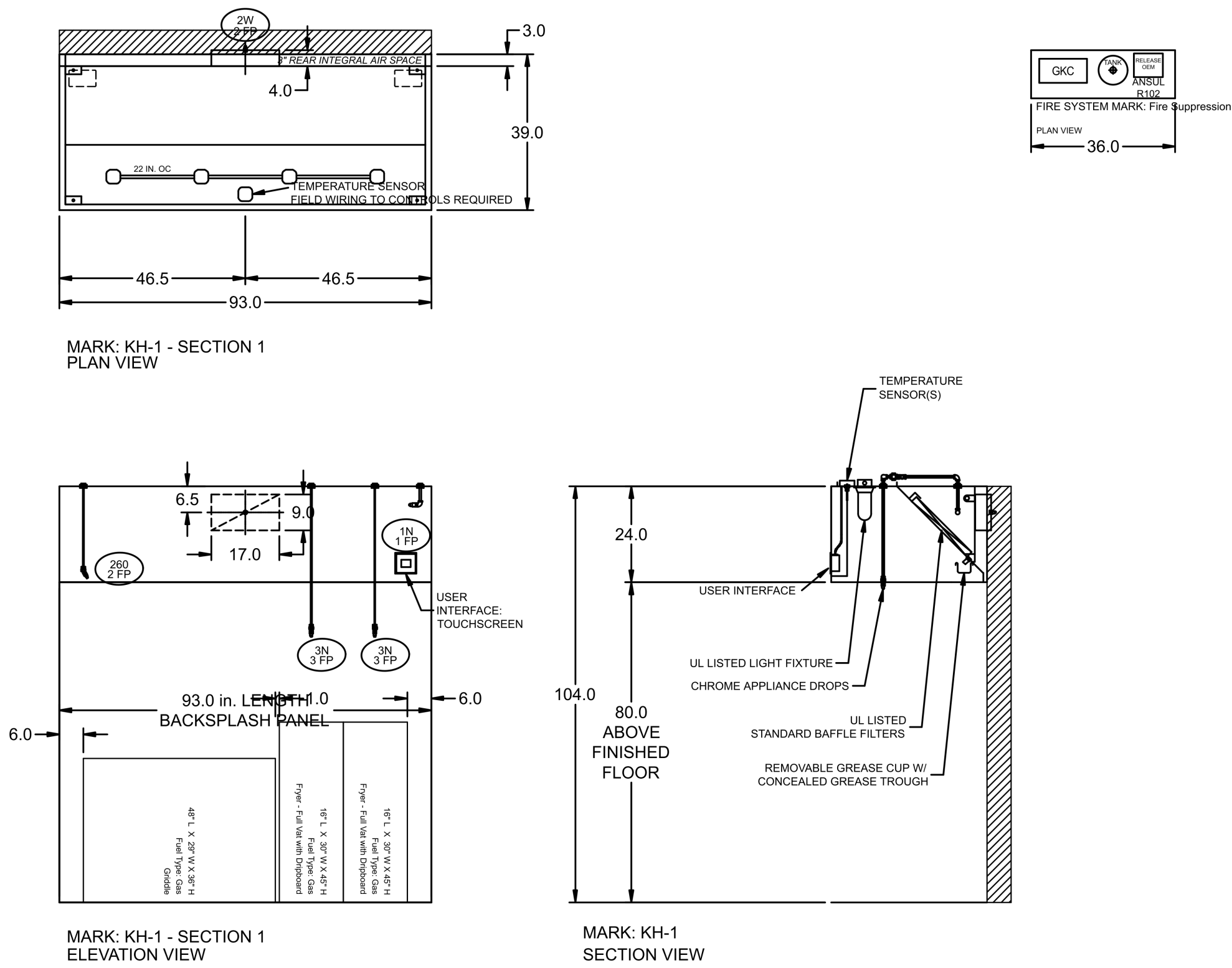
FACTORY MOUNTED EXHAUST COLLAR(S)

WALL UTILITY CABINET 24 IN HIGH 36 IN LONG 12 IN WIDE

BACKSLASH 80.00 IN HIGH 93.00 IN LONG

PERFORMANCE ENHANCING LIP (PEL) TECHNOLOGY

STANDING SEAM CONSTRUCTION FOR SUPERIOR STRENGTH



PROJECT 9/20/2023 UPEA KITCHEN SYSTEM 9-19-23

MARK KH-1

UL LISTED

VYRON CORPORATION - 662 TELEPHONIC DRIVE JIMERCHAK@VYRON.COM (920)495-8822

GREENHECK

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PROJECT NO:	S14-03447	DESIGNED BY:	SP
		DRAWN BY:	SP
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		APPROVED:	JG

EQUIPMENT DATA

M601



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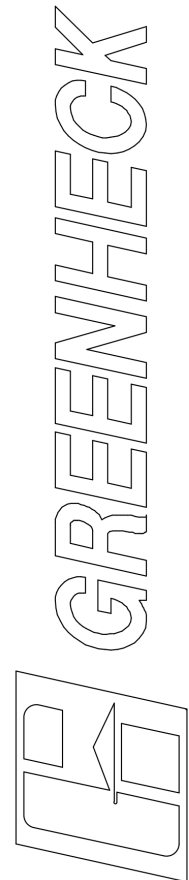
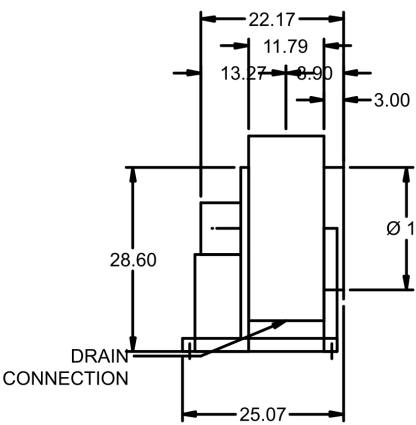
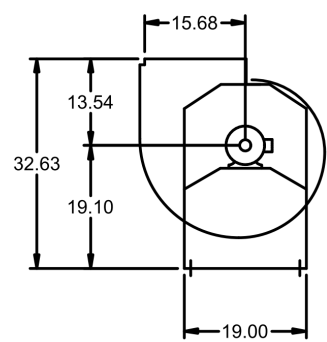
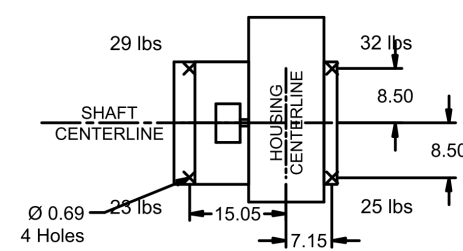
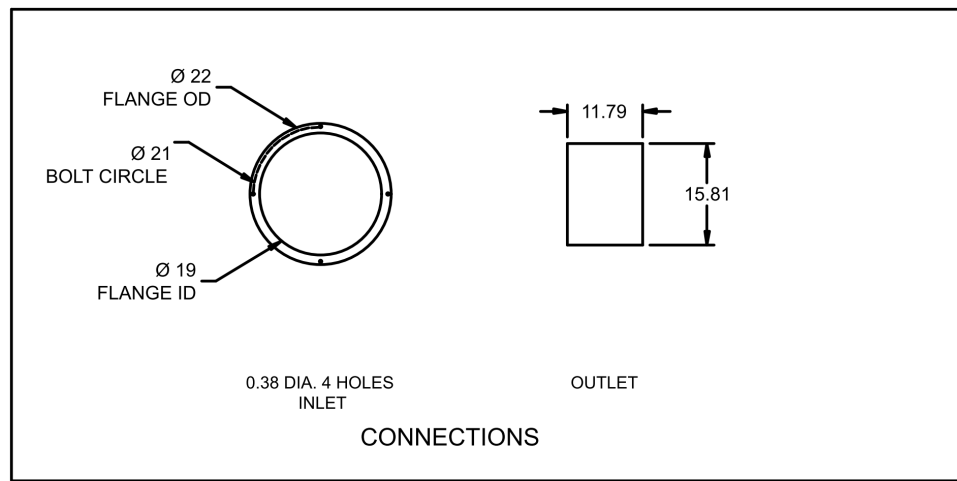
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Universal Single Width Fan

MARK INFORMATION		FAN INFORMATION						MOTOR INFORMATION				
QTY	MARK	MODEL	VOLUME (CFM)	TOTAL EXTERNAL SP (IN WG)	FAN RPM	OPERATING POWER (HP)	WEIGHT (LB.)	SIZE (HP)	V/C/P	ENCLOSURE	MOTOR RPM	WINDINGS
1	KEF-1	USF-15	1,744	0.707	1,159	0.32	122	0.5	208/60/1	OP	1770	1

KEF-1 : SELECTED OPTIONS AND ACCESSORIES

Finish - Coated  
Coating - Permatecor, Concrete Gray-RAL 7023, Mill Finish on Aluminum Components  
Rotation - CW  
Discharge Position - UB  
Arrangement - 4  
UL/cUL-762 Outdoor - Power Vent. for Restaurant Exhaust Appliances  
Access Door - Bolted  
Drain Connection - 1 inch threaded male  
Inlet Flange, Punched  
Outlet Connection, Slip Fit  
Shaft Seal - Standard  
Grease Trap, Shipped Loose  
Fasteners - Standard



PROJECT  
9/20/2023  
UPEA KITCHEN SYSTEM 9-19-23

MARK  
KEF-1



VYRON CORPORATION - 662  
JEREMIAH MERCHAK  
JMERCHAK@VYRON.COM  
(820) 465-6622

EQUIPMENT DATA

M602

PULLAR KITCHEN EXHAUST HOOD

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PROJECT NO: S14-03447

DESIGNED BY: SP

DRAWN BY: SP

CHECKED: SP

APPROVED: JG

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CONTROL INFORMATION		ELECTRICAL CONTROL PACKAGE		USER INTERFACE		FANS CONTROLLED										
MARK	MODEL	LOCATION	TYPE	LOCATION	FAN #	TYPE	FAN	FAN MARK	ZONE	CFM	MOTOR HP	MOTOR VOLT	CYCLE	MOTOR PHASE	MOTOR STARTER IN PANEL	VFD IN PANEL
HOOD CONTROLS	GKC-CV-S-11-1-1-0	WALL CABINET ON KH-1	FULL COLOR TOUCHSCREEN	HOOD – FACE MOUNT RIGHT END OF KH-1 SECTION 1	1	EXHAUST	E1	KEF-1	1	1744	0.5	208	39	1	NO	NO
					2	SUPPLY	S1	MUA-1	1	1744	1	208	60	1	NO	NO

CONTROL FEATURES

HOOD LIGHT CONTROL

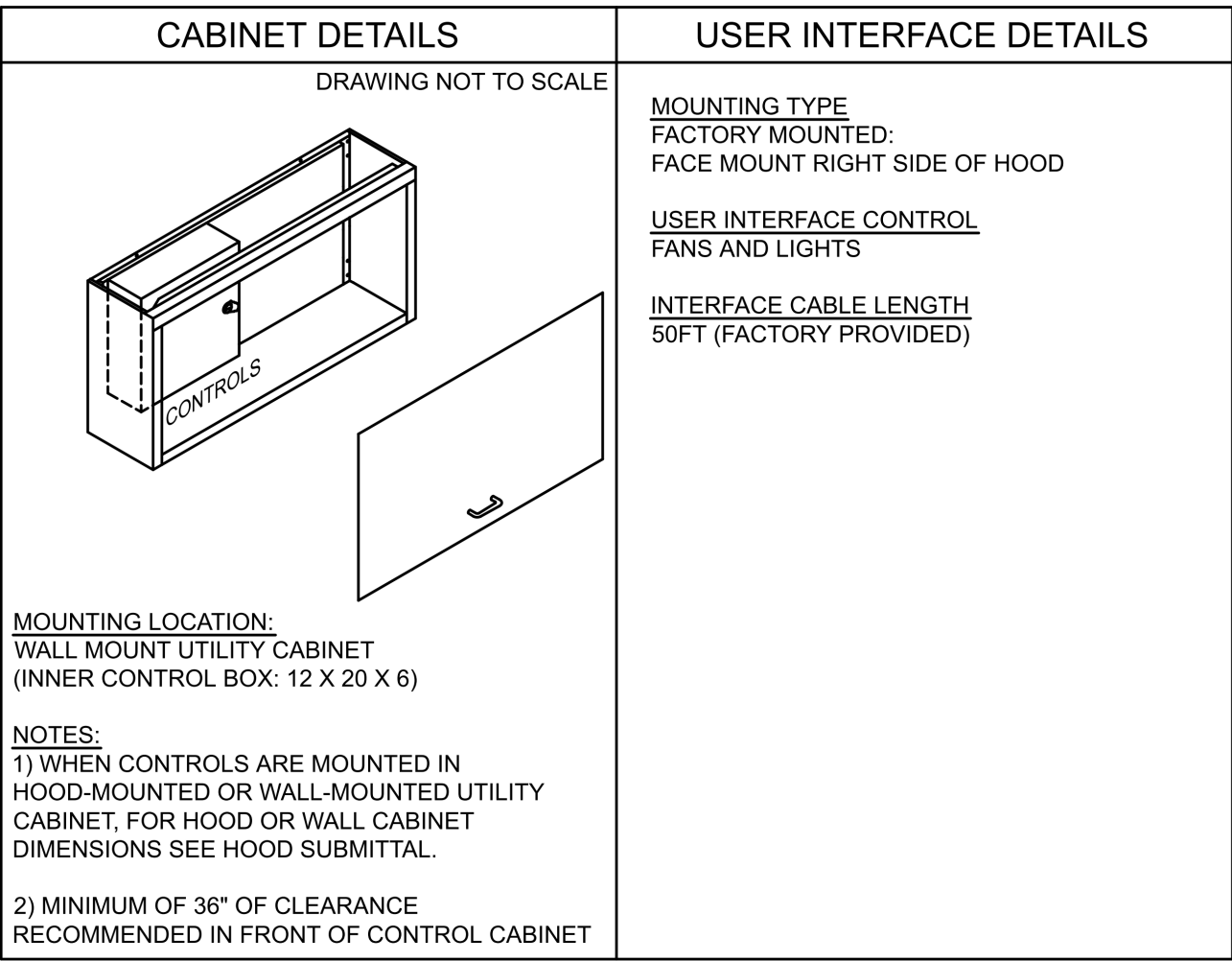
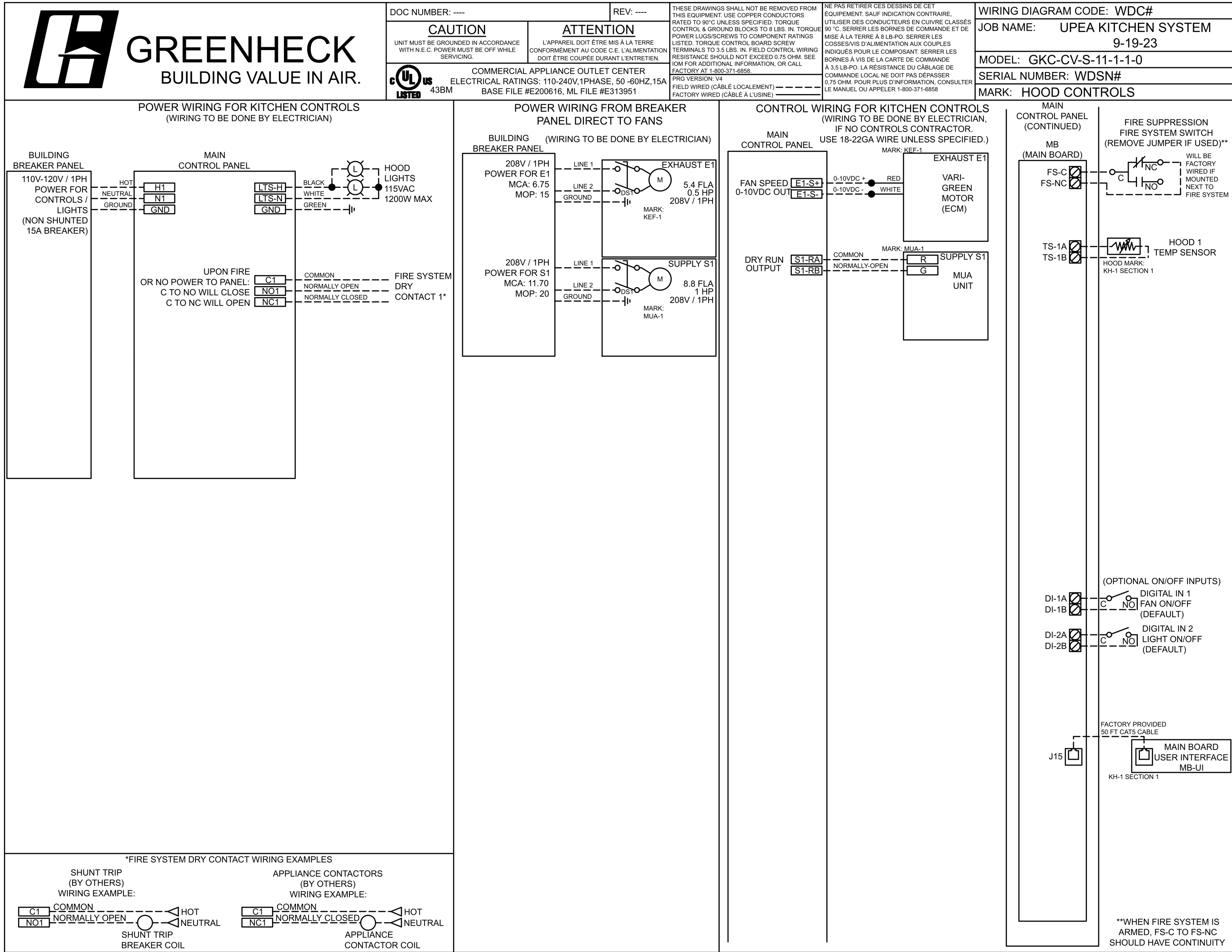
TEMP SENSORS (FACTORY INSTALLED) - QTY. 1

DRY FIRE CONTACTS - QTY. 1

LIGHTS OFF DURING FIRE

EXHAUST MAX DURING FIRE

SUPPLY OFF DURING FIRE



ZONE CONFIGURATION				WIRING DIAGRAM CODE: WDC#											
ZONE #	ZONE	ROOM TEMP	PRESET	JOB NAME: UPEA KITCHEN SYSTEM 9-19-23											
1	Z1	PRESET		MODEL: GKC-CV-S-11-1-1-0											
				SERIAL NUMBER: WDSN#											
				MARK: HOOD CONTROLS											
				DOC NUMBER: --- REV: ---											
HOOD CONFIGURATION				FACTORY SETTINGS / PARAMETERS PER DEFAULT											
HOOD #	HOOD	HOOD MARK	ZONE	EXHAUST	SUPPLY	MB-TEMP SENSORS	HCB	CONFIGURATION: STANDARD							
1	H1	KH-1 SECTION 1	Z1	E1	S1	TS1	NO	HOODS: 1							
								SUPPLY FANS: 1							
								EXHAUST FANS: 1							
								MB ROOM SENSOR: NO							
								MB TEMP SENSORS: 1							
								HIGH TEMP FAULT: NO							
								FREEZE PROTECTION: YES							
								GAS RESET: NO							
								FAN PROTECT: NO							
								BMS: NONE							
								ZONE SETTINGS							
								SEE ZONE CONFIGURATION IN TABLE ON LEFT							
								HOOD SETTINGS							
								SEE HOOD CONFIGURATION IN TABLE ON LEFT							
								EXHAUST FAN SETTINGS							
								SEE FAN CONFIGURATION IN TABLE ON LEFT							
								SUPPLY FAN SETTINGS							
								SEE FAN CONFIGURATION IN TABLE ON LEFT							
								SENSOR SETTINGS							
								SEE HOOD CONFIGURATION IN TABLE ON LEFT							
								USER INTERFACE SETTINGS (MB)							
								FAN & LIGHT BUTTONS: SHOW BOTH (SEPARATE)							
								USER INTERFACE SETTINGS (HCB)							
								NA							
								GENERAL SETTINGS							
								TIME ZONE: CENTRAL DAYLIGHT (DEFAULT)							
								FIRE FAULT SETTINGS							
								EXHAUST DURING FIRE: MAX							
								SUPPLY DURING FIRE: OFF							
								LIGHTS DURING FIRE: OFF							
								BMS SETTINGS							
								NA							

UPEA KITCHEN SYSTEM 9-19-23

HOOD CONTROLS

PROJECT: 9/20/2023

MARK

GREENHECK

UPEA KITCHEN SYSTEM 9-19-23

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PROJECT NO: S14-03447		DESIGNED BY: SP	
		DRAWN BY: SP	
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		APPROVED: JG	

EQUIPMENT DATA

M605



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