

FIRST FLOOR CODE PLAN

# ATTACHMENT A - DOOR CREE

CODE ANALYSIS:

APPLICABLE CODES:
WISCONSIN COMMERCIAL BUILDING CODE 2018 - EFFECTIVE
MAY 1, 2018 (BASED ON 2015 INTERNATIONAL BUILDING
CODE WITH WISCONSIN AMENDMENTS - SPS 361 & 362)

2015 INTERNATIONAL ENERGY CONSERVATION CODE WITH WISCONSIN AMENDMENTS (SPS 363)

2015 INTERNATIONAL MECHANICAL CODE WITH WISCONSIN AMENDMENTS (SPS 364)

2015 INTERNATIONAL FUEL GAS CODE WITH WISCONSIN AMENDMENTS (SPS 365)

2009 WISCONSIN PLUMBING CODE - SPS 381-387 WISCONSIN STATE ELECTRICAL CODE - SPS 316

BUILDING USE AND OCCUPANCY CLASSIFICATION: GROUP A3 (RECREATION / COMMUNITY HALL)

CONSTRUCTION TYPE: TYPE VB - FULL BUILDING SPRINKLERED

WORK AREA: PROJECT WORK AREA = FIRST FLOOR = 6,306 SF

RATED CONSTRUCTION:
PRIMARY STRUCTURAL FRAME: 0 HR
BEARING WALLS: 0 HR
FLOOR CONSTRUCTION: 0 HR
ROOF CONSTRUCTION: 0 HR

OCCUPANT LOAD

FIRST FLOOR: A3 OCCUPANCY = 329 OCCUPANTS (INTERIOR) 121 OCCUPANTS (EXTERIOR)

TOTAL: 450 OCCUPANTS

MEANS OF EGRESS:

SECTION 1005.3.1 - OTHER EGRESS COMPONENTS WIDTH 2º PER OCCUPANT FOR OTHER EGRESS FIRST FLOOR COMPONENTS = .2º x 329 = 66° REQUIRED; 108° PROVIDED

SECTION 1010.1.2.1 DOORS MUST SWING IN THE DIRECTION OF TRAVEL FOR OCCUPANT LOAD OF 50 OR MORE.

SECTION 1006.3.1 - TWO MEANS OF EGRESS ALLOWED FOR OCCUPANT LOAD OF 1-500.

SECTION 1017.2 - EXIT ACCESS TRAVEL DISTANCE OCCUPANCY B = 300FT W/ SPRINKLER ACTUAL TRAVEL DISTANCE = 94' (FIRST FLOOR)

SECTION 908 - PORTABLE FIRE EXTINGUISHERS LOW HAZARD OCCUPANCY = MAXIMUM TRAVEL DIST OF 75' TO EACH EXTINGUISHER

PLUMBING FIXTURES:

PLUMBING FIXTURES:
FIRST FLOOR
A2 OCCUPANCY (BANQUET HALL USE)
450 OCCUPANTS
WATER CLOSETS: 1 PER 75
REQUIRED 6 WC PROVIDED: 5 WC AND 2 URINALS
(UP TO HALF WC CAN BE URINALS)

LAVATORIES: 1 PER 200 REQUIRED: 3 LAVS PROVIDED: 5 LAVS

433 W Washington Ave (608) 204-7464 Suite 400, Madison, WI 53703

No.	Description	Date
1	Review Set	Date 2

CITY OF MADISON

DOOR CREEK PARK **SHELTER** 

MADISON, WI 53703

**CODE PLAN** 

CONSTRUCTION DOCUMENTS	
Project number	MSN-20-0
Date	10/31/2022

A002













	THEAS	

VIEW FROM SOUTH

1	Review Set	Date 2

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MADISON, WI 53703

**EXTERIOR VIEWS** 

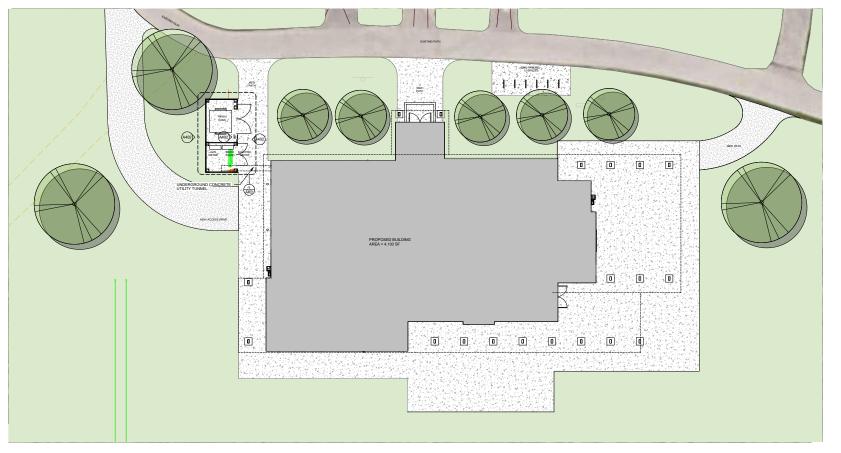
CONSTRUCTION DOCUMENTS	
Project number	MSN-20-01
Date	10/31/2022

A003

ENTRANCE VIEW FROM NORTHWEST



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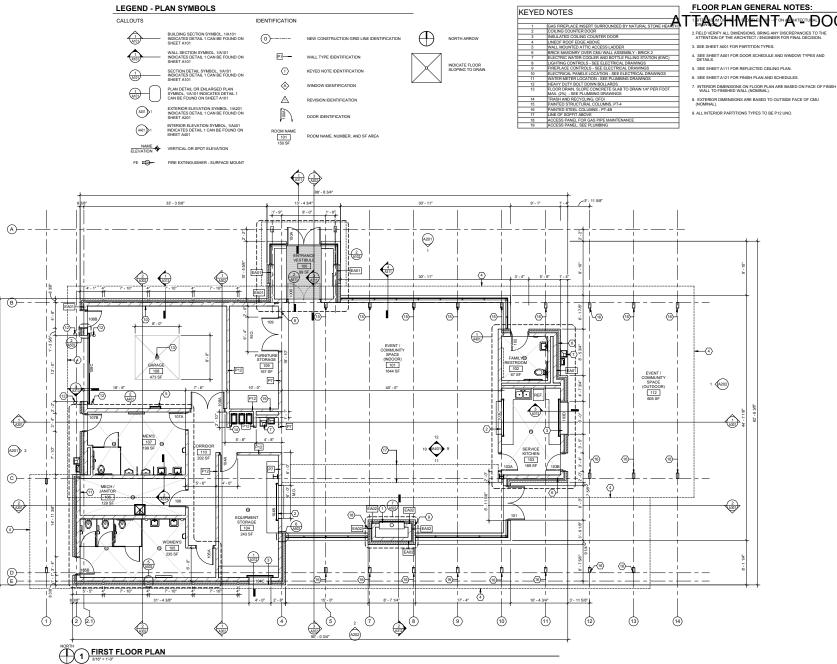
CITY OF MADISON

DOOR CREEK PARK SHELTER

MADISON, WI 53703

**ENLARGED** ARCHITECTURAL SITE PLAN

CONSTRUCTION DOCUMENTS	
Project number	MSN-20-01
Date	10/31/2022



FLOOR PLAN GENERAL NOTES: 2. FIELD VERIFY ALL DIMENSIONS, BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ARCHITECT / ENGINEER FOR FINAL DECISION.

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DOOR CREEK PARK **SHELTER** 

MADISON, WI 53703

FLOOR PLAN

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022

A101

# ATTACHMENT A - DOOR CREE

### **HVAC ABBREVIATIONS**

HAMDPER
HEATRO COL
HEAT FON
HOT CAS REPAIS
HOT PRESSURE TERM
HOT PRESSURE TERM
HOT PRESSURE TERM
HOT WATER
HOT WATER
HOT WATER
HOT WATER
HOT WATER
HOT WATER
HOT WATER COLORED
HEATRO HOT WATER SUPPLY
HOT WATER COLOR
HOT WATER COLO DEGREE FAHRENHEIT AIR CURTAIN AIR COMPRESSOR AIR COOLED CONDENSER AIR COOLED CONDENSING UNIT AIR CONDITIONING UNIT ABOVE FNISHED FLOOR
ARH HANDLING UNIT
ALLIMINUM
ALTERNATE
AMBERT
AMBERT
ARE MEASURING STATION
ARE PRESSURE DROP
APPROXIMATE
AREAGE WATER TEMPERATUR
BETWEEN
BETWEEN
BOOSTER COLL
BACKGRAFT DAMPER
BRAKE HORSEPOWER BRAKE HORSEPOWER BRITISH THERMAL UNIT BTU PER HOUR INJURCE EMPERATIVE COULINS
NOTES WATER COLLINN
WERNING WATER
WATER
WATER
LOWER
LEAWING JAN TEMPERATURE
POUND
LINEAR SLOT DIFFUSER
LINEAR SET
LINEAR SLOT DIFFUSER
LEAWING WATER TEMPERATURE
MACHETIC CONVECTOR CEILING ACCESS PANEL COLOR OCCUPATION OF THE PROPERTY OF THE PROPER CAPACITY CONSTANT AIR VOLUME CHILLED BEAM OHILED BEAM
COLING COLING COLING COLING COLING COLING CHILD DEPUISE FAN 
CUBIC FEET PER HOUR
COURS FEET PER HOUR
CONSTRAINT FLOW REGULATOR
CRICLITS
CONGENERATE
COMBINATION
CONTRIANT TON
CONTRIANT TON
CONTRIANT TON
CONTRIANT OF PERFORMANCE
CENTRIAL PROCESSING UNIT
CONDENSER WITH REFUTER LID LET LERG MAN MULLER LERG MAN MULLER LERG MAN MULLER MULLER MAN MULLER MAN MULLER MULLER MULLER MULLER MULLER MULLER M MAGNETIC MANUAL MAKE-UP AIR UNIT MAXIMUM THOUSAND BTU PER HOUR THICKNEW OF THE PRINCIP MECHANICAL CONTRACTOR MINIMAL OF CONTRACTOR MINIMAL VICLIME DAMPER MINIMAL VIC CASTRAL PROCESSING LIMIT
CONCIDENSES WINTER RETURN
CONCIDENSES WINTER RETURN
CONCIDENSE WINTER RETURN
CONCIDENT FEAT
CONSIDER CONTINUENT
CONSIDER CONTINUENT
CONSIDER CONTINUENT
CONTINUENT NATIONAL FRE PROTECTION AS MATURAL ASS NORMALLY OFEN MATURAL ASS NORMALLY OFEN MATURAL ASS NORMALLY OFEN MATURAL ASS NORMAL AS HVAC WORK ELECTRICAL WORK ELECTRICAL WORK
DOWN
DIFFERENTIAL PRESSURE
DEAN
DUCT SLENCER
EMMUST AR TEMPERATURE
ELECTRIC DASE BOAND
ELECTRIC DASE BOAND
ELECTRIC DOUT HEATER
ENERGY EFFICIENCY RATIO
EMMUST FAN
EFFICIENCY GRULE
EMMUST FAN
EFFICIENCY
EMMUST GRULE POINT OF CONNECTION
PRESSURE RECIDENT VILLE
POWER ROOF WINTLATOR
PRESSURE RECIDENT VILLE
POWER ROOF WINTLATOR
POWER ROOF RESIDENT
POWER ROOF ROOF ROOF ROOF
POWER ROOF ROOF
CONVEYED ROOF ROOF
CONVEYED ROOF
ROOF
RESIDENT ROOF
RESIDENT ROOF
RECIPE R EXHAUST GRILLE ETHYLENE GLYCOL ELECTRICIELECTRICAL ELECTRICITECT PROBLEM FOR THE MEMIFER HE MENTEN FROM PROPERTY AND SERVICE PROPERT FAN COIL UNIT FIRE DAMPER FULL LOAD AMPS FLEXIBLE PUEL OIL RETURN PUEL OIL SUPPLY PUEL OIL VENT FUEL OIL VENT
FEET PER MINUTE
FLOW SWITCH
FEET
FINNED TUBE FADUATION
FACE VELOCITY
GAUGE
GALLON
GRAVITY BACKDRAFT DAMPER
GONERAL CONTRACTOR
GALLONS PER MINUTE

STAINLESS STEEL SATURATED SUCTION TEMPERATURE

TART	STARTER
CP	TEMPERATURE CONTROL PANE
EMP	TEMPERATURE
G	TRANSFER GRILLE
S	TIP SPEED
SP	TOTAL STATIC PRESSURE
URB	TURBULATORS
YP	TYPICAL
ICD	UNDERCUT DOOR
H	UNIT HEATER
M	UNIT MANUFACTURER
ION	UNLESS OTHERWISE NOTED
N	UNIT VENTILATOR
N	ULTRA VIOLET
WV	VARIABLE AIR VOLUME
EL	VELOCITY
FD	VARIABLE FREQUENCY DRIVE
1F	VERIFY IN FIELD
V	WATTS
W	WITH
WN	WITHIN
VAC	WINDOW AIR CONDITIONER
VAP	WALL ACCESS PANEL
VB	WETBULB
VC	WATER COLUMN
VG	WATER GAUGE

PIPING S	YMBOL SCHEDULE
<b>⊸</b> ↓↓	GATE VALVE - NON RISING STEM
ъ <u>—</u>	GLOBE VALVE, ANGLE
<u>-</u> {-	GLOBE VALVE
	BUTTERFLY VALVE
	BALL VALVE
<u>−</u> Φ−	
<u> </u>	BALANCE VALVE, CALIBRATED
7	CHECK VALVE BALL TYPE DRAIN VALVE WITH 3/4*
<del>- </del>	HOSE —CONNECTION, CAP AND CHAIN.
<b>-</b> ₹-	GAS COCK
-121-	CONTROL VALVE, 2-WAY - MODULATING
<b>-</b> ₩-	CONTROL VALVE, 3-WAY - MODULATING
. P.	PRESSURE REDUCING VALVE
	RELIEF OR SAFETY VALVE
	RISING STEM GATE VALVE
<u>−×</u> -	
<u>_</u>	AIR VENT, MANUAL
<u> </u>	STRAINER
	PRESSURE/TEMPERATURE PLUG
<b>⊸</b> ↓	EMERGENCY SHUT-OFF VALVE
-83333-	FLEXIBLE CONNECTOR
=	PIPE GUIDE
<del>-×-</del>	PIPE ANCHOR
È	TEE, TOP TAKEOFF
<del></del>	TEE, BOTTOM TAKEOFF
, , , , , , , , , , , , , , , , , , , ,	ELBOW, UP
<b>←</b>	
<u>C</u>	ELBOW, DOWN
-c <u>-R</u> c	PIPE RISE(R) OR DROP(D) IN DIRECTION OF FLOW
-	PIPE CAP
	PIPE UNION
	PRESSURE GAUGE WITH 1/4" PIPING AND GAUGE COCKS
T T	THERMOMETER
PDP	PRESSURE, DIFFERENTIAL PRESSURE SENSOR
0 -/N -	POINT OF CONNECTION - NEW / DEMO
	CONSTANT FLOW REGULATOR
	DRAIN PIPING
	HEATING WATER SUPPLY PIPING
HWS	HEATING WATER SUPPLY PIPING
HWR	HEATING WATER RETURN PIPING
	CHILLED WATER SUPPLY PIPING
+WR	
+WR	CHILLED WATER SUPPLY PIPING
	CHILLED WATER SUPPLY PIPING CHILLED WATER RETURN PIPING
	CHILLED WATER SUPPLY PIPING CHILLED WATER RETURN PIPING CONDENSER WATER SUPPLY PIPING
+HWR	CHILLED WATER SUPPLY PIPING CHILLED WATER RETURN PIPING CONDENSER WATER SUPPLY PIPING CONDENSER WATER RETURN PIPING
	CHILLED WATER SUPPLY PIPING CHILLED WATER RETURN PIPING CONDENSER WATER SUPPLY PIPING CONDENSER WATER RETURN PIPING HIGH PRESSURE STEAM PIPING
	CHILED WATER SUPPLY PIPRIG CHILED WATER RETURN PIPRIG CONDENSER WATER SUPPLY PIPRIG CONDENSER WATER RETURN PIPRIG HOGH PRESSURE STEAM POPRIG HIGH PRESSURE STEAM POPRIG
	CHILED WATER SUPPLY PIPING  CHILED WATER RETURN PIPING  CONDENSER WATER SUPPLY PIPING  CONDENSER WATER SUPPLY PIPING  CONDENSER WATER RETURN PIPING  HIGH PRESSURE STEAM PIPING  LOW PRESSURE STEAM PIPING
	CHILED WATER SUPPLY PIPMS  CHILED WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  HIGH PRESSURE STEAM PIPMS  LOW PRESSURE STEAM CONDENSATE PIPMS  LOW PRESSURE STEAM PIPMS  GAS PIPMS  GAS PIPMS
	CHILLED WATER SUPPLY PIPRING CHILLED WATER RETURN PIPRING CONDENSER WATER SUPPLY PIPRING CONDENSER WATER RETURN PIPRING HOGH PRESSURES STEAM PIPRING HOGH PRESSURES STEAM CONDENSATE PIPRING LOW PRESSURES STEAM CONDENSATE PIPRING GAS PIPRING REFRIGERANT DISCHARGE PIPRING
	CHILED WATER SUPPLY PIPING  CHILED WATER RETURN PIPING  CONDENSER WATER SUPPLY PIPING  CONDENSER WATER RETURN PIPING  HIGH PRESSURE STEAM POPING  HIGH PRESSURE STEAM POPING  LOW PRESSURE STEAM POPING  LOW PRESSURE STEAM CONDENSATE PIPING  GAS PIPING  REFRIGERANT DISCHARGE PIPING  REFRIGERANT DISCHARGE PIPING
	CHILED WATER SUPPLY PIPNO CHILED WATER RETURN PIPNO CONDENSER WATER RETURN PIPNO CONDENSER WATER RETURN PIPNO HIGH PRESSURE STEAM OPNO HIGH PRESSURE STEAM CONDENSATE PIPNO LOW PRESSURE STEAM CONDENSATE PIPNO LOW PRESSURE STEAM CONDENSATE PIPNO GAS PIPNO REFRIGERANT DISCHARCE PIPNO REFRIGERANT DISCHARCE PIPNO REFRIGERANT SUCTION PIPNO REFRIGERANT SUCTION PIPNO
	CHILED WATER SUPPLY PIPMS  CHILED WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  HIGH PRESSURE STEAM PIPMS  LOW PRESSURE STEAM CONDENSATE PIPMS  LOW PRESSURE STEAM CONDENSATE PIPMS  GAS PIPMS  REFRIGERANT DISCHARGE PIPMS  REFRIGERANT SUCTION PIPMS
	CHILLED WATER SUPPLY PIPRING  CHILLED WATER RETURN PIPRING  CONDENSER WATER SUPPLY PIPRING  CONDENSER WATER RETURN PIPRING  HIGH PRESSURES STEAM POPRIO  HIGH PRESSURES STEAM POPRIO  LOW PRESSURES STEAM PIPRING  LOW PRESSURES STEAM CONDENSATE PIPRING  GAS PIPRING  REFRIGERANT DISCHARGE PIPRING  REFRIGERANT SUCTION PIPRING  REFRIGERANT LOUDD PIPRING
	CHILED WATER SUPPLY PIPMS  CHILED WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  HIGH PRESSURE STEAM PIPMS  LOW PRESSURE STEAM CONDENSATE PIPMS  LOW PRESSURE STEAM CONDENSATE PIPMS  GAS PIPMS  REFRIGERANT DISCHARGE PIPMS  REFRIGERANT SUCTION PIPMS
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	CHILED WATER SUPPLY PIPMO  CHILED WATER RETURN PIPMO  CONDENSER WATER RETURN PIPMO  CONDENSER WATER RETURN PIPMO  HIGH PRESSURE STEAM PIPMO HIGH PRESSURE STEAM CONDENSATE PIPMO LOW PRESSURE STEAM PIPMO LOW PRESSURE STEAM CONDENSATE PIPMO GAS PIPMO REFRIGERANT DISCHARGE PIPMO REFRIGERANT DISCHARGE PIPMO REFRIGERANT SUCTION PIPMO REFRIGERANT HOUT GAS PIPMO PUEL OIL SUPPLY PIPMO FUEL OIL SUPPLY PIPMO FUEL OIL SUPPLY PIPMO FUEL OIL SUPPLY PIPMO FUEL OIL SUPPLY PIPMO
	CHILED WATER SUPPLY PIPMS  CHILED WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  CONDENSER WATER RETURN PIPMS  HIGH PRESSURE STEAM PIPMS  HIGH PRESSURE STEAM CONDENSATE PIPMS  LOW PRESSURE STEAM CONDENSATE PIPMS  GAS PIPMS  GREFIGERANT DISCHARGE PIPMS  REFRIGERANT DISCHARGE PIPMS  REFRIGERANT SUCHON PIPMS  REFRIGERANT HOT GAS PIPMS  FUEL OIL SUPPLY PIPMS  FUEL OIL SUPPLY PIPMS  FUEL OIL SUPPLY PIPMS  PUEL OIL VENT PIPMS
	CHILED WATER SUPPLY PIPING  CHILED WATER RETURN PIPING  CONDENSER WATER RETURN PIPING  CONDENSER WATER RETURN PIPING  CONDENSER WATER RETURN PIPING  HIGH PRESSURE STEAM PIPING  LOW PRESSURE STEAM PIPING  LOW PRESSURE STEAM PIPING  LOW PRESSURE STEAM PIPING  LOW PRESSURE STEAM PIPING  REPRIGERANT DISCHARGE PIPING  REFRIGERANT LIQUID PIPING  REFRIGERANT LIQUID PIPING  REFRIGERANT HOUTON PIPING  REFRIGERANT HOUTON PIPING  FUEL OIL SUPPLY PIPING  FUEL OIL SUPPLY PIPING  FUEL OIL UVENT PIPING  FUEL OIL UVENT PIPING  MARC-UP WATER PIPING  MARC-UP WATER PIPING
	CHILED WATER SUPPLY PIPMO  CHILED WATER RETURN PIPMO  CONDENSER WATER RETURN PIPMO  CONDENSER WATER RETURN PIPMO  HIGH PRESSURE STEAM PIPMO  HIGH PRESSURE STEAM CONGENSATE PIPMO  LOW PRESSURE STEAM CONGENSATE PIPMO  GAS PIPMO  REFRIGERANT DISCHARGE PIPMO  REFRIGERANT DISCHARGE PIPMO  REFRIGERANT SUCTION PIPMO  REFRIGERANT HOT GAS PIPMO  FUEL OIL RETURN PIPMO  FUEL OIL RETURN PIPMO  FUEL OIL RETURN PIPMO  PUEL OIL RETURN PIPMO  PUEM DATE PIPMO  PUEM DATE PIPMO  PIPMO AND PEE GOURMENT TO BE REMOVED  VENTURI FLOW METER
	CHILED WATER SUPPLY PIPMO CHILED WATER RETURN PIPMO CONDENSER WATER RETURN PIPMO CONDENSER WATER RETURN PIPMO HIGH PRESSURE STEAM PIPMO HIGH PRESSURE STEAM CONDENSATE PIPMO LOW PRESSURE STEAM CONDENSATE PIPMO LOW PRESSURE STEAM PIPMO MERCHANT DISCHARGE PIPMO REFRIGERANT DISCHARGE PIPMO REFRIGERANT TOO PIPMO REFRIGERANT HOUTON PIPMO REFRIGERANT HOUTON PIPMO PUEL OIL SUPPLY PIPMO FUEL OIL SUPPLY PIPMO FUEL OIL SUPPLY PIPMO PUMPED CONDENSATE PIPMO PUMPED CONDEN

8

STEAM TRAP

DUCTWORK	K SYMBOL SCHEDULE
	MANUAL VOLUME DAMPER (MVD)
AP	DUCT ACCESS PANEL (DAP)
(1)	ELBOW WITH HIGH EFFICIENCY TURNING VANES
	FLEXIBLE DUCT CONNECTION
$\otimes$	ROUND DUCT
$\boxtimes$	SUPPLY/OUTSIDE AIR DUCT
	RETURN DUCT
	EXHAUST/ RELIEF AIR DUCT
+ 1111+	RISE (R) OR DROP (D) IN DIRECTION OF FLOW
MOD +	MOTORIZED CONTROL DAMPER WITH ACCESS DOOR
	GRAVITY BACKDRAFT DAMPER WITH ACCESS DOOR
	RECTANGULAR-TO-ROUND TRANSITION
	DUCT CAP
XXX.XX TYPE NUMBER	EQUIPMENT TAG
EXAMPLE: CD-1 12" 300 CFM	GRILLE, REGISTER, OR DIFFUSER TAG TAG SIZE CFM
TН	CONTROL: THERMOSTAT, HUMIDISTAT
THO	SENSOR: TEMPERATURE, HUMIDITY, OCCUPANCY
SP	DUCT STATIC PRESSURE SENSOR
SD	SMOKE DETECTOR
MC	MOTOR CONTROL
	DUCTWORK OR DUCT EQUIPMENT TO BE REMOVED
	NEW DUCTWORK OR EQUIPMENT
	EXISTING DUCTWORK OR EQUIPMENT
FD	FIRE DAMPER (1 1/2 HR) UON
▼SD	SMOKE DAMPER
▼SFD	COMBINATION FIRE/SMOKE DAMPER
$\triangleright$	DUCT MOUNTED TEMPERATURE SENSOR
0	OVAL SIZES
: SB	DUCT MOUNTED SECURITY BARRIER
-N+>	AIRFLOW DIRECTION
UCD -N->	1" UNDER CUT DOOR (BY DIV 8)
<u>s</u>	STARTER
	DUCTWORK WITH ACOUSTICAL LINING.
	DUCTWORK WITH ACCUSTICAL LINING.

### SHEET INDEX - MECHANICAL

M000 MECHANICAL COVER SHEET M001 MECHANICAL SCHEDULES M100 MECHANICAL FIRST FLOOR PLAN M101 MECHANICAL MEZZANINE PLAN M200 MECHANICAL DETAILS

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No.	Description	Date

CITY OF MADISON

DOOR CREEK PARK **SHELTER** 

MADISON, WI 53703

**MECHANICAL COVER SHEET** 

CC	CONSTRUCTION DOCUME Project number	IMENTS
Pro	ject number	MSN-20-01
Dat	le	10/31/2022

M000

### DIFFUSERS, REGISTERS, AND GRILLES MOUNTING SURFACE SERVICE CEM DANCE EACE SIZE (IN) EACE TYPE PATTERN MATERIAL DEMARKS SUPPLY AIR 0-125 12x12 PLAQUE 4-WAY ALUMINUM CEILING ALL SERVICE KITCHEN RVICE KITCHEN, FAMIL RESTROOM GREENHECK G-090-D REENHECK SQ-16-M2-VG SUPPLY AIR 0-250 N/A 12x8 LOUVERED HORIZONTAL ALUMINUM DUCT ALL MEZZANINE GREENHECK SQ-16-M2-VG DIRECT SUPPLY AIR 0-600 N/A 24x18 LOUVERED HORIZONTAL ALUMINUM DUCT . UNIT TO BE PROVIDED WITH LOCAL DISCONNECT SWITCH, BAS CONTRACTOR RESPONSIBLE FOR CONNECTION OF UNIT TO BAS. 2. UNIT TO BE INTERLOCKED WITH ECONOMIZER OPERATION OF AHU'S WHEN UNITS ARE IN 100% OUTSIDE AIR OPERATION. SUPPLY AIR 0.250 N/A 12x8 LOUVERED HORIZONTAI ALLIMINUM DUCT ALL 3. UNIT TO BE INTERLOCKED WITH OPERATION OF AHU-1 AND AHU-2. RETURN AIR 0-125 6 12x12 ALUMINUM CEILING ALL R-2 RETURN AIR 400-700 18x14 20x16 LOUVERED HORIZONTAL ALUMINUM WALL ALL EXHAUST AIR 0-125 12x12 PERFORATED ALUMINUM CEILING ALL SUPPLY AIR 50-250 8 12x12 PERFORATED ALUMINUM CEILING ALL DUCT E-2 EXHAUST AIR 0-250 N/A 12x6 LOUVERED HORIZONTAL ALUMINUM ALL

DUCT

ALL

	LOUVER SCHEDULE										
PLAN MARK (L·)	LOCATION	SERVICE	TYPE	AIRFLOW (CFM)	MIN. FREE AREA (SQ. FT.)	MAX. PRESS. DROP (IN. W.C.)	MAX FACE VELOCITY (FPM)	WIDTH (IN.)	HEIGHT (IN.)	DEPTH (IN.)	REMARKS
L1	WEST WALL	FRESH AIR INTAKE	STATIONARY	4000	6.3	0.06	620	60	30	6	ALL
L-2	WEST WALL	EXHAUST AIR	STATIONARY	4000	6.3	0.06	620	60	30	6	ALL
L2	SOUTH EAST WALL	SERVICE KITCHEN & FAMILY RESTROOM EXHAUST	STATIONARY	325	0.6	0.04	570	16	16	6	ALL
REMARKS	NEMPKS										
BOD UNIT IS GREENHECK ESD-635											

**FAN SCHEDULE** 

FAN PERFORMANCE

0.37

4000 0.75 1435

1000 4000 0.75

1000

ELECTRICAL

	ELECTRIC UNIT HEATER SCHEDULE											
PLAN MARK	LOCATION	MANUFACTURER	MODEL	MOUNTING STYLE	PHYSICAL SIZE (IN.)	CAPACITY (MBH)	FLOW (CFM)	SIZE (kW)	VOLT.	PHASE	dBA	NOTES
EUH-1	VESTIBULE	REZNOR	EMC-2	WALL	28L x 26H x 10D	6825	250	2	208 / 240	1	51	ALL
EUH-2	FAMILY RESTROOM	REZNOR	EMC-2	CEILING MOUNTED	28L x 26H x 10D	6825	250	2	208 / 240	1	51	ALL
EUH-3	GARAGE	REZNOR	EGW-2	CEILING HUNG	12L x 12.5H x 10.5D	5118	300	1.5	208 / 240	1	51	ALL
REMARKS				•	•						•	
1. PROVID	PROVIDE UNIT WITH INTEGRAL DISCONNECT AND INTEGRAL THERMOSTAT.											
2. REFERENCE ARCHITECTURAL DRAWINGS FOR ALL COLOR FINISH SELECTIONS.												
3. COORDI	NATE WITH ELECTRIC	CAL CONTRACTOR FO	R LOCATION A	ND ELECTRICA	AL REQUIREMENTS.							

									AIL	HAIN	DLII	NG C	וואונ	SU	JEDULI	_												
							SUPPLY FAI	ı		OUTSIDE					HEAT PUMP COOLING					ELECTRIC HEA	ITER KIT						WEIGHT	
MARK	LOCATION	SERVES	MANUFACTURER	MODEL NO	QTY	DESIGN TOTAL CFM	TOTAL SP	FAN RPM	FAN HP		FILTERS	NOMINAL MBH	EAT (DB/WB)	UNIT LAT (DB/WB)	COIL FACE VELOCITY (FPM)	REFRIGERANT TYPE	ROWS	FPI	MODEL NO	CAPACITY (MBH)	VOLT	PH	MCA	MOP	VOLT	PH	WEIGHT (LB)	NOTES
AHU-1	MEZZANINE	ENTIRE SHELTER	DAKN	DV61PTCD14	1	2000	0.6	N/A	1	SEE NOTE 12 BELOW	MERV 14	60.0	79.7 / 66.8	56.5 / 54.3	469	R-410A			HKSC250B	85	240	1	8	15	208	1	168	ALL
AHU-2	MEZZANINE	ENTIRE SHELTER	DAKN	DV61PTCD14	1	2000	0.6	N/A	1	SEE NOTE 12 BELOW	MERV 14	60.0	79.7 / 66.8	56.5 / 54.3	469	R-410A			HKSC250B	85	240	1	8	15	208	1	168	ALL
NOTES																												
1. EC TO PROVID	E SMOKE DETECTI	OR FOR SUPPLY AIR, MC SI	ALL LOCATE AND INSTA	ALL THE SMOKE DETECT	OR IN TH	IE SUPPLY DUCT	WORK AS N	OTED ON PL	ANS. SMOK	E DETECTOR S	HALL SHUT D	OWN UNIT AN	ND SEND SIG	NAL TO BAS	AND FIRE ALARM SYST	TEM. COORDINATE	WITH ELE	CTRICAL	CONTRACTOR	-								
2. MAX FACE VE	OCITY ON COOLIN	G COIL SHALL BE NO GREA	TER THAN 500 FPM. AH	U SUPPLIER TO PROVIDE	BOCUN	MENTATION THAT	MOISTURE	CARRY OVE	R OUT OF T	THE COOLING C	OIL WILL NOT	OCCUR BAS	SED ON THE S	CHEDULED V	ELOCITIES.													
3. PROVIDE UNIT	WITH ELECTRICAL	SERVICE / CONVENIENCE	OUTLET.																									
4. ECM DRIVEN S	SUPPLY FAN SHALL	INCLUDE A FACTORY INST	ALLED POTENTIOMETER	WITHIN THE CONTROL	COMPAR	TMENT FOR CFM	SETPONT	THE FACTO	RY PROVID	ED TERMINAL B	LOCK SHALL	INCLUDE A J	UMPER WIRE	THAT CAN B	E REMOVED WHEN WI	IRED TO FILED PRO	WIDED 0-1	0 VDC C	ONTROL SIGN	L.								
5. PROVIDE AHU	WITH GPS BIPOLAR	RAIR IONIZATION UNIT PER	AHU MANUFACTURERS	RECOMMENDATION.																								
6. ALL ASSOCIAT	. ALL ASSOCIATED AND GRAPPICS TO BE UPDATED TO DIXSTING BAS.																											
7. PROVIDE MOD	PROVIDE MODULATING SUPPLY FAN FOR SYSTEM BALANCING.																											
8. PROVIDE 4" M	ERV 13 FILTER IN A	DDITION TO A 2" MERV 9 FI	LTER (DIRTY FILTER PR	ESSURE DROP ACCOUNT	ED FOR	N ESP).																						

AID HANDLING LINIT SCHEDLILE

								HE	AT PUN	/IP SCH	<b>EDULE</b>													
PLAN					COOLING	OPERATION	HEATING	OPERATION	MAX PIPE	COMPRESSOR	NUMBER OF		REFRIGERANT	FANS		ELECTR	ICAL DAT	TA.		DIMENSIONS			SOUND	
MARK (ACCU-)	LOCATION	SERVES	MANUFACTURER	MODEL NO	CAPACITY (MBH)	AMBIENT TEMP. (°F)	CAPACITY (MBH)	AMBIENT TEMP. (°F)	LENGTH (FT.)	TYPE	COMPRESSORS	EER	TYPE	NO.	MCA	MOCP	VOLT.	PHASE	HEIGHT (IN.)	WIDTH (IN.)	DEPRER (IN.)	ATING WEIGHT	(LBROWER (dBA)	REMARKS
HP-1	FENCED AREA AT NORTHWEST CORNER	AHU-1	DAKIN	DZ17VSA601BA	54	0 - 115	54	-10 - 70	100	INVERTER / SWING	1	8.3	R-410A	1	36.5	40	208	1	39	37	12.6	186	74	ALL
HP-2	FENCED AREA AT NORTHWEST CORNER	AHU-1	DAIKIN	DZ17VSA601BA	54	0 - 115	54	-10 - 70	100	INVERTER / SWING	1	8.3	R-410A	1	36.5	40	208	1	39	37	12.6	186	74	ALL
REMARKS:																								
1. ALL UNITS	SHALL HAVE LOW AMBIENT	CONTROLS (	OOWN TO -10 DEGREE	S F.																				
2. UNITS BAS	ED ON DAIKIN FIT SERIES																							

ENERG	BY RECOVERY VENTILATO	R SCHEDULI			
AN MARK		ERV-1			
CATION		MEZZANINE			
PE		STATIC PLATE			
DIA TYPE					
PROX. UNIT O	PERATING WEIGHT (LBS)	934			
	SUPPLY AIRFLOW (CFM)	2000			
	EXHAUST AIRFLOW (CFM)	2000			
	O.A.T. DB / WB (°F)	95 / 75			
SUMMER PERFORMANCE	R.A.T. DB / WB ("F)	75 / 62.5			
	L.A.T. DB / WB (°F)	80.5 / 68.8			
	SENSIBLE EFFECTIVENESS (%)	72.5			
	TOTAL EFFECTIVENESS (%)	52.3			
	MOISTURE REMOVED (GRAINS/LB)	12.4			
	DESIGN A.P.D. (IN. W.C.)	0.4			
	SUPPLY AIRFLOW (CFM)	2000			
WINTER ERFORMANCE	EXHAUST AIRFLOW (CFM)	2000			
	O.A.T. DB / WB (°F)	-10/-11			
	R.A.T. DB / WB (°F)	68 / 48.4			
	LA.T. DB / WB (°F)	46.5 / 35.8			
NF ON WHIVE	SENSIBLE EFFECTIVENESS (%)	72.5			
	TOTAL EFFECTIVENESS (%)	72			
	MOISTURE REMOVED (GRAINSILB)	-13.2			
	DESIGN A.P.D. (IN. W.C.)	0.4			
	AIRFLOW (CFM)	2000			
	EXT. STATIC PRESSURE (IN. W.C)	0.4			
HAUST FAN	BRAKE HORSEPOWER (HP)	0.75			
	HORSEPOWER (HP)	2			
	AIRFLOW (CFM)	2000			
DOOR AIR	EXT. STATIC PRESSURE (IN. W.C)	0.4			
DOOK AIR	BRAKE HORSEPOWER (HP)	0.71			
	HORSEPOWER (HP)	2			
	VOLTS / PHASE / HERTZ	120 / 1 / 60			
	UNIT FLA	40			
CTRICAL	UNNIT MCA	45			
	UNIT MOCP (AMPS)	60			
IARKS		ALL			
ARKS:					
NT TO BE PR	OVIDED WITH MOTORIZED DAMPERS IN BO	TH AIRSTREAMS			
IT TO BE PR	OVIDED WITH LOCAL DISCONNECT SWITCH	1			
	N RENEWAIRE HE-3XJINH-S11VV-DANT-L				

6. UNIT TO BE PROVIDED WITH RENEWAIRE PREMIUM CONTROLS OR MANUFACTURER EQUIVALENT



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DOOR CREEK PARK SHELTER

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MECHANICAL SCHEDULES

CONSTRUCTION DOC	UMENTS
Project number	MSN-20-01
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M001

EXHAUST AIR

SEE PLANS FOR LOCATION AND AIR QUANTITIES OF EACH DEVICE.
 REFER TO SPECIFICATIONS FOR ACCEPTABLE MODEL AND ADDITIONAL REQUIREMENTS.

9. PROVIDE A STAINLESS STEEL DRAIN PAN FOR COOLING COIL.

10. UNIT MANUFACTURER TO PROVIDE DISCONNECT FOR SUPPLY FAN INSIDE THE AHU HOUSING.

11. MC RESPONSIBLE TO VERFY THAT FIRAL INSTALLATION LOCATION AND ORIENTATION OF UNIT PROVIDES SUFFICIENT SPACE TO THE ACCESS DOORS OF THE UNIT.

12. THE MINIMUM AND MAXIMUM DUTSIGE AIR REQUIREMENTS FOR AHUIN ECONOMIZER AND NON-ECONOMIZER MODE WILL BE SPECIFIED IN SPECIFICATION 23 09-33 SQUENCE OF OPERATION.

3. LOCATE UNIT IN FENCED AREA AT NORTHWEST CORNER OF BUILDING. MAINTAIN ALL MANUFACTURER RECOMMENDED CLEARANCES AROUND UNIT

4. REFRIGERANT PIPING TO BE ROUTED IN CONDUIT BENEATH CONCRETE WALKWAY. SEE ARCHITECTURAL PLANS FOR DETAILS.

N/A

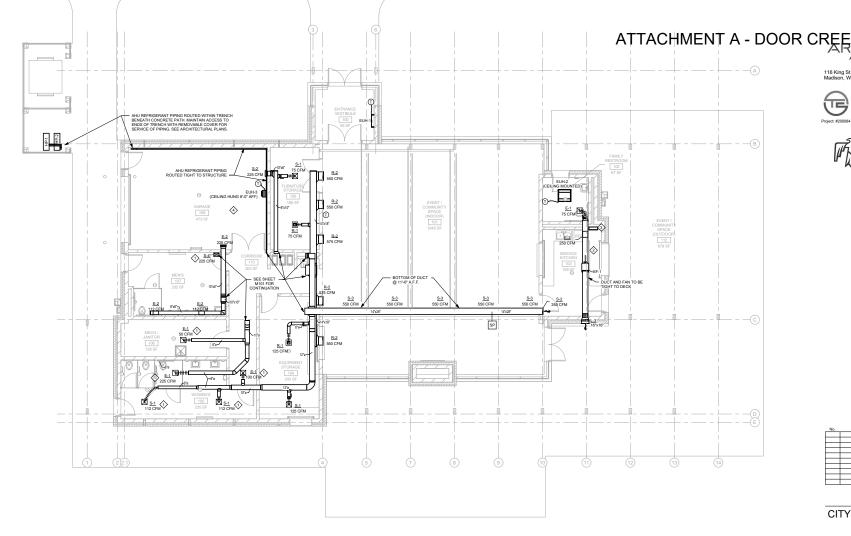
ALL GRILLES AND DIFFUSERS SHALL NOT EXCEED NOISE CRITERIA NO.25 AND A MAXIMUM OF 0.1 NOH WIG STATIC PRESSURE DROP.
 BORDER TYPES SHALL BE COMPATIBLE WITH CEILING TYPES WHERE AIR DEVICE IS LOCATED. REFER TO ARCHITECTURAL PLANS AND ALL OTHER TRADES.

12x10

S SACH SUPPLY, RETURN, EXHAUST DEVICE TO HAVE A DIAMPER IN DUCT BRANCH TAKE OFF, PRIOR APPROVIAL BY ENGINEER TO USE OPPOSED BLADE DIAMPER (DBD) IN AIR DEVICE.

BANES DO NITTES PRODUCTS. REPER TO MANUFACTUREER FOR SIZING REQUIREMENTS.

ALL SUPPLY DEFENSE (DUCTED IN SACE) CLAUSE SHALL HAVE NOLLIGIED BLANCKOOK OMAPER OPERABLE FROM THE FACE OF THE AIR TERMINAL SEE FLOOR PLANS FOR DETAILS.



1 MECHANICAL FIRST FLOOR PLAN

### **KEYED NOTES:**

- ALL GRILLES, REGISTERS, AND DIFFUSERS THAT ARE LOCATED IN AN AREA WITH SOLID CEILINGS ARE TO HAVE BUILT IN VOLUME BALANCING DAMPERS ACCESSIBLE FROM THE DEVICE FACE.
- EXPOSED DUCTWORK AND INLINE EXHAUST FAN TO BE PAINTED. REFERENCE ARCHITECTURAL DRAWINGS FOR COLOR FINISH SELECTIONS.
- 3 12x8 TRANSFER GRILLE MOUNTED 9'-0" AFF TO VENTILATE PLUMBING CHASE.
- GARAGE SPACE IS 1 HOUR FIRE RATED. SEAL ALL PENETRATIONS THROUGH FIRE WALL WITH APPROVED FIRE BARRIER CAULK.

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MECHANICAL FIRST FLOOR PLAN

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022

M100

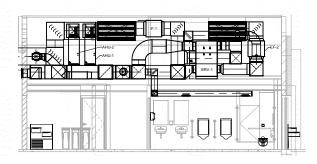
# ATTACHMENT A - DOOR CREEK BERLE



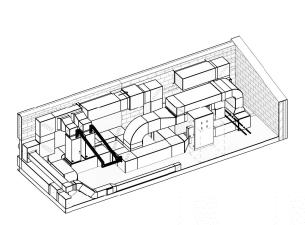
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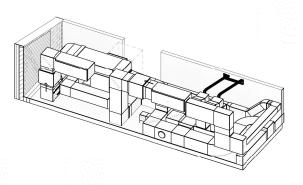


2 SECTION - MEZZANINE SOUTH
SCALE: 14" = 1'-0"

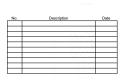


MECHANICAL MEZZANINE PLAN
SCALE: 1/4" = 1/40"

(3) MECHANICAL MEZZANINE ISOMETRIC 1



4 MECHANICAL MEZZANINE ISOMETRIC 2



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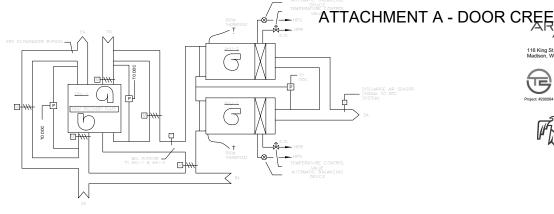
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MECHANICAL MEZZANINE PLAN

CONSTRUCTION I	DOCUMENTS
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M101



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ANU WITH HEAT PUMP AND ENERGY RECOVERY CONTROL SEQUENCE.

OCCUPED AND UNCOCCIPED BODGES SHALL BE DEFINED BY THE DOC SYSTEM. DURING OCCUPED MODE, THE HEAT PUMP FAIN AND ENERGY RECOVERY FAINS
SHALL RAIN CONTROLOGS. SURNIC LECOLUPED MODE, THE HEARDY RECOVERY UNIT SHUTS DOWN AND THE HEAT PUMP FAIN AND HEAT PUMP SHALL CYCLE ON A
CALL FOR HEATING OR COCLAING. SPACE TEMPERATURE SHALL BE RETIVEEN TO 8 TO DEGREES F. (ADJ.) (OCCUPED) A BETWEEN 60 8 80 DEGREES F. (ADJ.)

(INCOCUPED) ALD AMPREY ARE PROVIDED BY THE BUTK MANUFACTURER.

THE HEAT PUMP AND ENERGY RECOVERY UNIT TO HAVE PACKAGED OPERATING AND SAFETY AUTOMATIC CONTROL FURNISHED BY THE UNIT MANUFACTURER. UNIT TO HAVE AUTOMATIC CONTROL TO SWITCH FROM HEATING TO COOLING MODES. PLOW SWITCHES ARE FURNISHED WITH THE HEAT PUMP AND ARE FACTOR! WIRED.

WALL MOUNTED THERMOSTAT (BY CONTROLS CONTRACTOR) SHALL CONTROL HEAT PUMP TO MAINTAIN SPACE TEMPERATURE SET POINTS (ADJUSTABLE). THE HEAT PUMP SHALL HAVE INDEPENDENT SET POINTS CONTROLLED BY THE DDC SYSTEM.

CONTROL VALVE SHALL OPEN TO PROVIDE WATER FLOW THROUGH THE HEAT PUMP WHEN THE SYSTEM IS IN OPERATION. CONSTANT FLOW TO BE CONTROLLED BY AUTOMATIC BALANCING VALVE.

HEAT PUMP TO HAVE FACTORY INSTALLED FAULT ALARMS. PROVIDE A SIGNAL TO THE DDC SYSTEM.

ECONOMIZER: UTILIZE OUTSIDE AR IN COMBINATION WITH RETURN AIR TO MINIMIZE ENERGY REQUIRED FOR COOLING AND DEHIMIDIFYING AS MONITORED BY THE DID CSYSTEM OUTSIDE AIR TEMPERATURES SENSOR AND THE ROOM TEMPERATURE. UNDER NORMAL OPERATION, THE RELEF ARE DAMPER TO BE FILLY CLOSED, THE RETURN ARE DAMPER TO BE FILLY CLOSED. THE RETURN ARE DAMPER TO BE FOR AND THE OUTSIDE ARE AND RETURN ARE DAMPERS TO MAINTAIN SPACE TEMPERATURE AND THE RELEF ARE DAMPER TO BE FILLY SWITCH TO MAINTAIN SPACE TEMPERATURE AND THE RELEF ARE DAMPER SHALL OPEN.

IN A FIRE ALARM CONDITION ALL EQUIPMENT SHALL BE DEENERGIZED AND DAMPERS SHALL BE FULLY CLOSED.

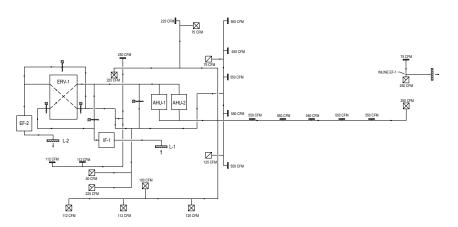
FAN STATUS: DURING OCCUPIED MODE, INITIATE ALARM THROUGH THE DDC USER INTERFACE IF FAN FAILS TO MAINTAIN A MINIMUM FLOW WHEN ENERGIZED.

IN THE ENERGY RECOVERY UNIT, FACTORY MOUNTED TEMPERATURE SENSOR ON THE DISCHARGE AIR SHALL VARY THE WHEEL SPEED IN ORDER TO MAINTAIN REQUIRED DISCHARGE AIR TEMPERATURE.

PROVIDE ENERGY RECOVERY UNIT WITH FACTORY SUPPLIED, FIELD INSTALLED FROST CONTROL VALVE.

ENERGY RECOVERY UNIT TO BE ENABLED BY PARALLEL RELAYS FROM EACH AHUIT-STAT

### **CONTROL SEQUENCE - AHU WITH HEAT PUMP AND ENERGY RECOVERY UNIT**



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DOOR CREEK PARK SHELTER

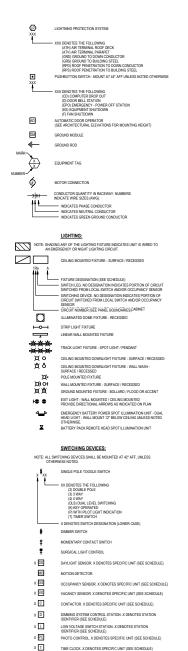
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**MECHANICAL DETAILS** 

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022

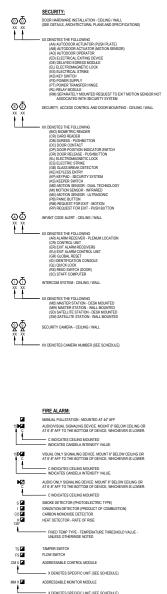






PW

POWER PACK



DUCT MOUNTED SMOKE DETECTOR (PHOTOELECTRIC TYPE)

DUCT MOUNTED DETECTOR - REMOTE INDICATION STATION

DUCT MOUNTED IONIZATION DETECTOR (PRODUCT OF COMBUSTION)

DMS DMi

RiS 🗹





NEAR UNIT ON UNIT
POLE
PUSH BUTTON
PHOTO CONTROL
PNEUMATIC SWITCH
PENDANT

RECEPTACLE

TIME CLOCK

CONTRACTOR

TAMPER SWITCH

UNDERGROUND

UNIVERSAL UNIT SUBSTATION

REMAIN AS IS

SHEET NAME ELECTRICAL LEGEND

ONELINE DIAGRAM

ELECTRICAL SCHEDULES

ELECTRICAL DETAILS

OVERALL SITE PLAN - ELECTRICAL

3D SITE PLAN - SOLAR FIRST FLOOR PLAN - LIGHTING

ENLADGED SITE DLAN - ELECTRICAL

FIRST FLOOR PLAN - POWER & TECHNOLOGY FIRST FLOOR PLAN - SYSTEMS MECHANICAL MEZZANINE - ELECTRICAL

ELECTRICAL SHEET INDEX

ES101.1

EL101

E500

F600

RENOVATION LEGEND:

PILIMBING CONTRACTOR

REDUCED VOLTAGE STARTING

TEMPERATURE CONTROL

TEMPERATURE CONTROL PANEL



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No.	Description	Date
1	Review Set	Date 2
		_

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DOOR CREEK PARK

**ELECTRICAL LEGEND** 

CONSTRUCTION DOCUMENTS Project number MSN-20-01 Date 10/31/2022

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0

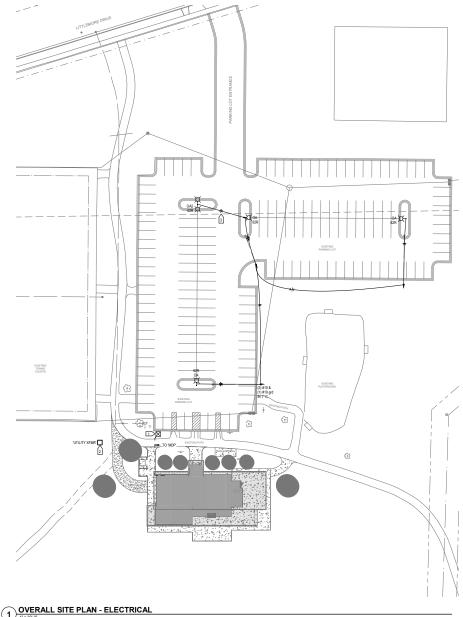
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ILINCTION BOX

PULL BOX

EXISTING TO REMAIN EXISTING LOCATION, NEW DEVICE OR EQUIPMENT TO BE INSTALLED IN **SHELTER** PLACE
EXISTING TO BE RELOCATED
EXISTING TO BE REMOVED
EXISTING IN NEW LOCATION
NEW

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OTHER TRADES.

REFER TO DETAIL 3/E700 FOR POLE HEIGHT DETAIL.

REFER TO DETAIL 4/E700 FOR POLE BASE DETAIL.

- REFERENCE NOTES: <a>III</a>
  1. ARYSTAYT QUADTE UNGERGOUNG BEALDISIES OF EQUINUENT SMILL SE INSTALLED FOR POTENHAL PUTURE SECTION (1914 E OWNER) STATION (1972 CONDUITS SMILL SE MAY PROMOBINET SIX AND PERSONAL THE THE PARTIES OF T

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No.	Description	Date
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OVERALL SITE PLAN - ELECTRICAL

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022

ES101.1

2. PROPOSED SOLAR PHOTOVOLTAC (PV) ARRAY SHALL BE APPROVED WITH ARCHITECT MO YORKS.

OWNER.

OWNER.

OWNER.

OWNER SHALL BE MAINTED TITLESTON THE WIRROW CERTAL STRONGE SEMM METAL ROOF MOUNT SYSTEM OR APPROVED EDUML, NOT REQUIREMEN THE USE OF PV PAIRS.

GROUND THE PARRY MESSED ON MAINTEN, STRET, AND LOCK OBE REQUIREMENTS.

SERRET OTHE PM FEDUMENT MAINTENET AND MAINTENET AND MAINTENET AND MAINTENET OF THE MEDITAL STRONGE STRONGE TOWN.

EACH IN MOUNT SHALL ROUTE AN AMERICAN SHARP SHARPER CAPPO SHITDOWN EDUML.

7. PULDULES WILL BE IN STRINGS OF ONE (8) AND ONE (8) MOULES PER INVESTER REFER TO SETAL SERVE.)

- REFERENCE NOTES:

  1. METER CONTER INCLOSINE SHALL BE ACCESSIBLE FOR UTILITY COMPANY NO PRIST
  RESPONSES:
  SOCIEUL SE NOOL CORRUTTOR SACRIMY INDICATED OF LIMITED SHALL BE
  SOCIEUL SE NOOL PICE USED 2 of LIMITED FINE SHALL BE
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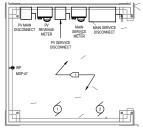
ARCHITECTS

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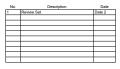












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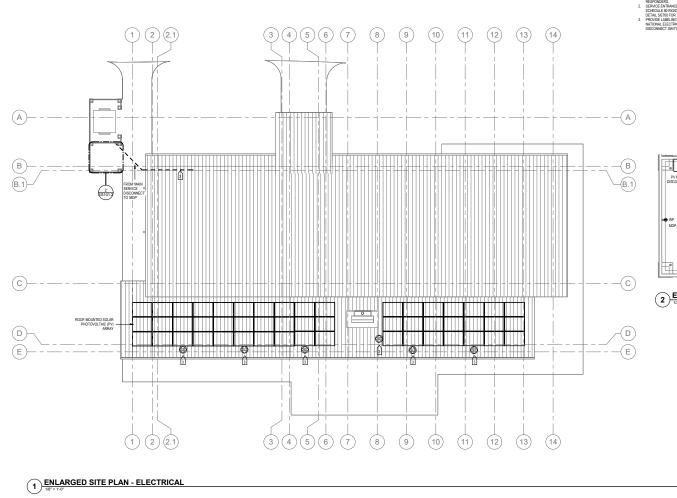
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**ENLARGED SITE** PLAN - ELECTRICAL

CONSTRUCTION DOCUMENTS	
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ES101.2



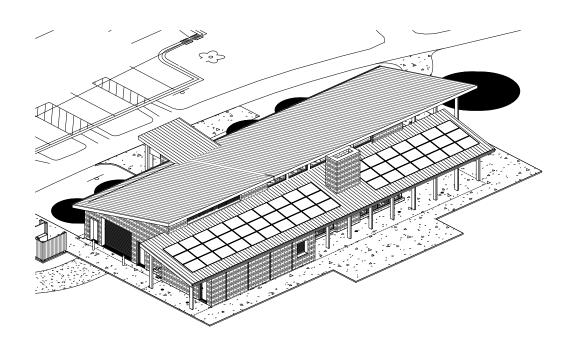


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1 3D SITE PLAN - SOLAR

No.	Description	Date
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3D SITE PLAN -SOLAR

 CONSTRUCTION DOCUMENTS

 Project number
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 Date
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ES101.3

### REFERENCE NOTES: (#

- PETRIES NUMBER BETTER BOURT FOR BESSENCEY EXCESS LICENTES.

  FOR THE SHARE SHARE AND SHARE THE SHARE SH AD THURZED STRIPT SERVICE AND ENRANGE OWNERS DUTYS PRINTER TO SUBSTANTIAL COMPLETION FOR PROGRAMMING, ZONE CONFIGURATIONS, SCHEDULES, AND IMPUT ASSIGNMENTS. INCLIDE TESTING AND PROGRAMMING ADJUSTMENTS AT SUBSTANTIAL COMPLETION AND A MINIMUM OF 4 HOURS ON SITE TRAINING WITH OWNER AND MAINTENANCE.
- STAFF.

  3. LOW VOLTAGE SWITCH STATION SHALL HAVE SEPARATE DAYLIGHT SENSOR MANUAL OVERRIDE SWITCH.

- PANEL.
  ALL SMITCH BANKS WITH (2) OR MORE SWITCHES SHALL BE PROVIDED WITH CLEAR PLASTIC
  TYPED LABELS INDICATING SWITCH FUNCTION. VERIFY DESIGNATIONS WITH OWNER PRIOR TO

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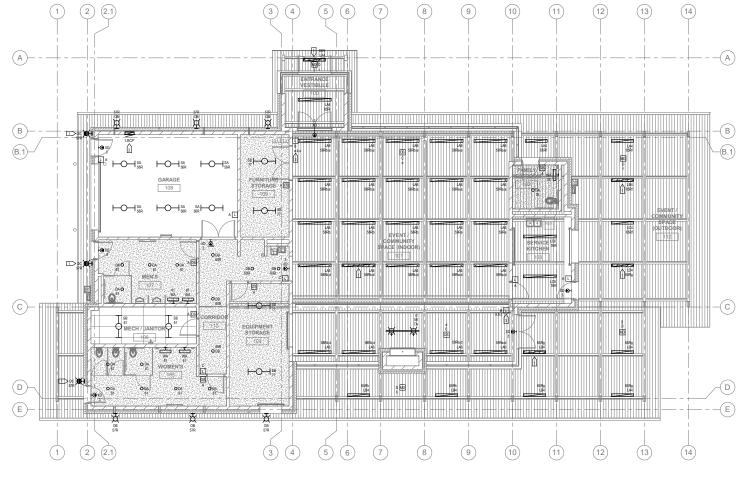
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FIRST FLOOR PLAN -LIGHTING

CONSTRUCTION DOCUMENTS	
Project number	MSN-20-01
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**EL101** 

1 FIRST FLOOR PLAN - LIGHTING

REFERENCE NOTES:

- A 18"X18"X4" WEATHERPROOF ELECTRICAL JUNCTION-BOX SHALL BE INSTALLED AT 1 ABOVE FINISHED ROOF FOR SOLAR PV DC WIRING TO INVESTERS ON MEZZANINE
   FINAL LOCATION OF COMPRESSOR POWER SHALL BE COORDINATED WITH ARCHITECT AND
- OWNER

  3. FINAL LOCATION OF WELDING MACHINE POWER SHALL BE COORDINATED WITH ARCHITECT AND OWNER.

  4. PROVIDE ALL PV LABELING AS REQUIRED BY THE NATIONAL ELECTRICAL CODE ARTICLE 690.
  - - CIRCUIT IN PANEL.

      4. CIRCUIT ALL NORMAL BRANCH CIRCUITS TO PANEL 'MDP' UNLESS OTHERWISE NOTED.

      5. ABOVE-COUNTER RECEPTACLES SHALL BE CIRCUITED AS TO NOT EXCEED (2) DUPLEX.
    - RECEPTACLES PER CIRCUIT.

      6. CONTRACTOR SHALL CONFIRM ALL CONDUIT LOCATIONS WITH ARCHITECT TO CONCEAL
    - RACEWAYS.

      1. LOW VOLTAGE LOCATIONS ARE ROUGH-IN ONLY. DATA ROUGH-INS SHALL BE SINGLE-GANG RING, 4" SQUARE, DEEP BOX AND 1" RACEWAY TO ACCESSIBLE CEILING.

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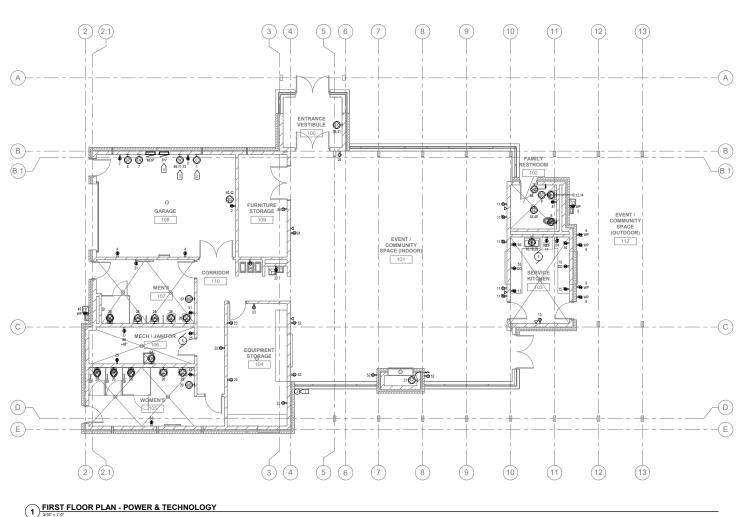
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FIRST FLOOR PLAN -POWER & **TECHNOLOGY** 

CONSTRUCTION DOCUMENTS	
Project number	MSN-20-0
Date	10/31/2022

**EPT101** 





REFERENCE NOTES: 

I. CONFIRM FINAL LOCATION OF FIRE ALARM ANNUNCIATOR PANEL WITH OWNER AND LOCAL FIRE DEPARTMENT.

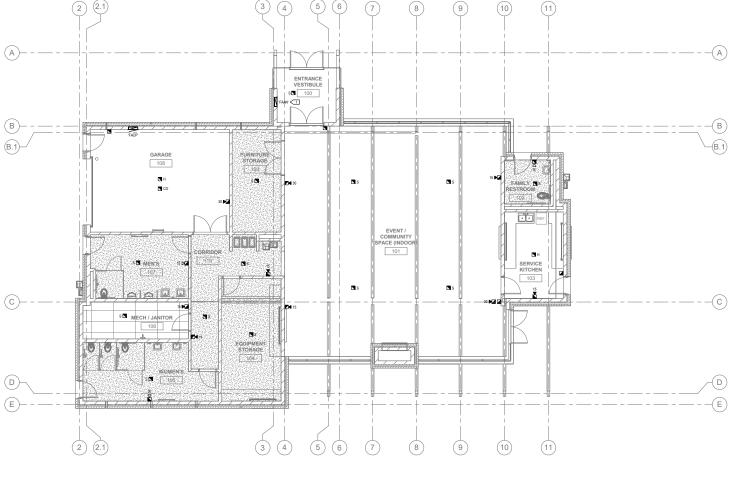
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FIRST FLOOR PLAN -**SYSTEMS** 

> CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022

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DOOR CREEK PARK

EY101

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1) FIRST FLOOR PLAN - SYSTEMS



REFERENCE NOTES: (#

RECENTRY ENVIES. \$\(\begin{align\*} \begin{align\*} \

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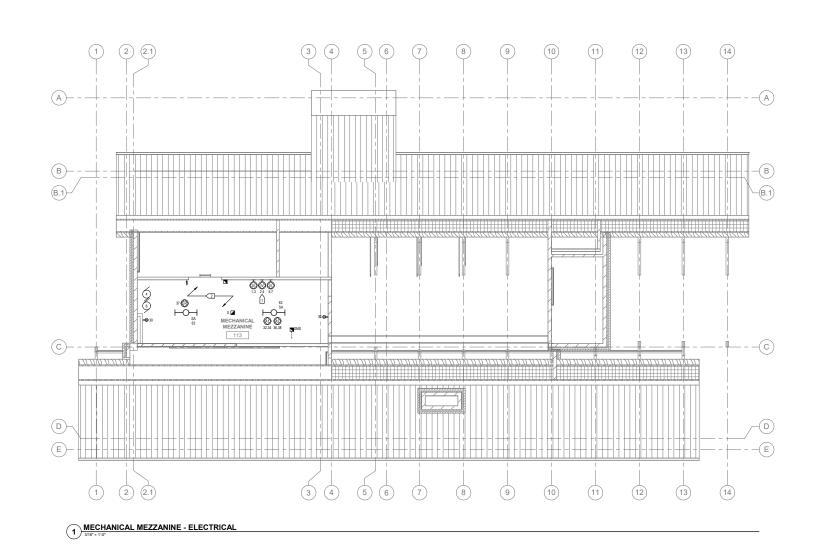
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**MECHANICAL MEZZANINE** -**ELECTRICAL** 

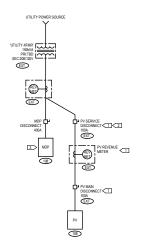
CONSTRUCTION DOCUMENTS	
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E102



# ATTACHMENT A - DOOR CRE

(XXX) ROOM NUMBER



### ONELINE DIAGRAM

### GENERAL NOTES:

- GENERAL NOTES:

  1. THE FEEDERS ON EPILES TO THE RIGHT ARE SOURDLESS OF TYPICAL FEEDERS AND SOME SIZES.

  2. ALL COMBUSTOR AMPLICITIES ARE MASED ON TABLE 19 HIS OF THE REC FOR COPPER COMMUNITY OF THE WITHING.

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- DROP.
  5. ELECTRICAL INFORMATION SHOWN ON ONELINE DIAGRAM SHALL BE UPDATED UPON MECHANICAL AND ELECTRICAL LOAD SELECTION.
  6. ALL DISCONNECTS SHOWN SHALL HAVE NEMA 3R RATED ENCLOSURES.

### REFERENCED NOTES:

- RETERMINED NOTES:

  1. CONTRACTOR SHALL YESFIY INTERCONNECTION REQUIREMENTS WITH UTILITY BEFORE
  REPLACED AND SHALL YESFIY INTERCONNECTION DEFONE THE REPLACED AND CRESSHEF FOR REST
  RESPONDENTS TO SHALL TOWN THE PLANSAY. CONTRACTOR SHALL YESFIY, LOCATION WITH
  AROHIECT BEFORE INSTALLATION.

  REFER TO DETAIL JETON FOR BUILDING ELECTRICAL SERVICE GROUNDING DETAIL.



### FEEDER LEGEND:

- ALL ITEMS INDICATED BY A DARK SOLID LINE
   ARE NEW.
- ALL ITEMS INDICATED BY A LIGHT SOLID LINE
   ARE EXISTING TO REMAIN.
- ALL ITEMS INDICATE
   ARE E
- ALL ITEMS INDICATE
   INDIC
- ALL ITEMS INDICATE
   INDIC ALL ITEMS INDICATED BY A DARK DASHED LINE
   — — — INDICATE TEMPORARY EQUIPMENT AND WORK.

TED BY A DASHED-DOT-DOT-DASH LINE EXISTING TO BE REMOVED.	
TED BY DASH-SHORT DASH-DASH LINE ICATE EQUIPMENT ENCLOSURES.	
TED BY A LIGHT DASHED LINE CATE FUTURE EQUIPMENT AND WORK.	

Capacity (Amps)	FEEDER SC Single Phase Two Wire w/ Ground	Single Phase Three Wire w/ Ground
20	2 # 12 & 1 # 12 GRD, 3/4" C.	3 # 12 & 1 # 12 GRD, 3/4" C.
30	2 # 10 & 1 # 10 GRD, 3/4" C.	3 # 10 & 1 # 10 GRD, 3/4" C.
40	2#8&1#10 GRD, 1°C.	3#8&1#10 GRD, 1°C.
50	2#8&1#10 GRD, 1°C.	3#8&1#10 GRD, 1°C.
60	2#6&1#10 GRD, 1°C.	3#6&1#10 GRD, 1°C.
	2#4&1#8 GRD, 1-1/4°C.	3#4&1#8 GRD, 1-1/4°C.
80	2#4&1#8 GRD, 1-1/4°C.	3#4&1#8 GRD, 1-1/4°C.
90	2#3&1#8 GRD, 1-1/4°C.	3#3&1#8 GRD, 1-1/4" C.
100	2#3&1#8GRD, 1-1/4°C.	3#3&1#8 GRD, 1-1/4" C.
125	2 # 1 & 1 # 6 GRD, 1-1/2* C.	3#1&1#6 GRD, 1-1/2*C.
150	2 # 1/0 & 1 # 6 GRD, 1-1/2" C.	3#1/0 & 1#6 GRD, 2°C.
175	2 # 2/0 & 1 # 6 GRD, 2* C.	3#2/0 & 1#6 GRD, 2" C.
200	2#3/0 & 1#6 GRD, 2*C.	3#3/0 & 1#6 GRD, 2°C.
	2 # 4/0 & 1 # 4 GRD, 2° C.	3#4/0 & 1#4 GRD, 2:1/2°C.
250	2 # 250kCM & 1 # 4 GRD, 2-1/2" C.	3 # 250kCM & 1 # 4 GRD, 2-1/2" C.
300	2 # 350kCM & 1 # 4 GRD, 3* C.	3 # 350kCM & 1 # 4 GRD, 3" C.
350	2 # 500kCM & 1 # 3 GRD, 3* C.	3 # 500kCM & 1 # 3 GRD, 3" C.
380	2 # 500kCM & 1 # 3 GRD, 3* C.	3 # 500kCM & 1 # 3 GRD, 3" C.
	2 # 600kCM & 1 # 3 GRD, 3-1/2* C.	3#600kCM & 1#3 GRD, 3-1/2*C.
450		2[3#4/0&1#2 GRD, 2-1/2*C.]
500		2 [ 3 # 250kCM & 1 # 2 GRD, 2-1/2" C
550		2[3#300kCM&1#1GRD, 3°C.]
600		2 [3 # 350kCM & 1 # 1 GRD, 3" C.]
700		2 [ 3 # 500kCM & 1 # 1/0 GRD, 3-1/2"
760		2 [ 3 # 500kCM & 1 # 1/0 GRD, 3-1/2"
800		2 [ 3 # 600kCM & 1 # 1/0 GRD, 3-1/2"

	COPPER COND	
20	3 # 12 & 1 # 12 GRD, 3/4° C.	4 # 12 & 1 # 12 GRD, 3/4" C.
30	3 # 10 & 1 # 10 GRD, 3/4° C.	4 # 10 & 1 # 10 GRD, 1° C.
40	3#8&1#10 GRD, 1°C.	4#8&1#10 GRD, 1°C.
50	3#8&1#10 GRD, 1°C.	4#8&1#10 GRD, 1°C.
60	3#6&1#10 GRD, 1°C.	4#6&1#10 GRD, 1-1/4°C.
70	3#4&1#8 GRD, 1-1/4°C.	4#4&1#8 GRD, 1-1/4" C.
80	3#4&1#8 GRD, 1-1/4°C.	4#4&1#8 GRD, 1-1/4" C.
90	3#3&1#8 GRD, 1-1/4" C.	4#3&1#8 GRD, 1-1/2°C.
	ALUMINUM CON	DUCTORS
100	3#1&1#6 GRD, 1-1/4°C.	4#1&1#6 GRD, 1-1/2°C.
	3#2/0 & 1#4 GRD, 2°C.	4#2/0 & 1#4 GRD, 2°C.
150	3#30 & 1#4 GRD, 2°C.	4#3/0 & 1#4 GRD, 2" C.
175	3#4/0 & 1#4 GRD, 2" C.	4#4/0 & 1 # 4 GRD, 2-1/2" C.
200	3 # 250kCM & 1 # 4 GRD, 2-1/2" C.	4 # 250kCM & 1 # 4 GRD, 2-1/2" C.
225	3 # 300kCM & 1 # 2 GRD, 3* C.	4 # 3000kCM & 1 # 2 GRD, 3" C.
250	3 # 350kCM & 1 # 2 GRD, 3* C.	4 # 350kCM & 1 # 2 GRD, 3° C.
300	3 # 500kCM & 1 # 2 GRD, 3* C.	4 # 500kCM & 1 # 2 GRD, 3" C.
350	3 # 600kCM & 1 # 1 GRD, 3-1/2* C.	4 # 600kCM & 1 # 1 GRD, 3-1/2" C.
380	2 [3 # 4/0 & 1 # 1 GRD, 2-1/2* C.]	2 [4#4/0 & 1#1 GRD, 2-1/2* C.]
400	2 [ 3 # 250kCM & 1 # 1 GRD, 2-1/2* C, ]	2 [ 4 # 250kCM & 1 # 1 GRD, 2-1/2" C. ]
450	2 [ 3 # 300kCM & 1 # 1/0 GRD, 3* C. ]	2 [ 4 # 300kCM & 1 # 1/0 GRD, 3° C. ]
500		2 [ 4 # 350kCM & 1 # 1/0 GRD, 3° C, ]
550	2 [ 3 # 400kCM & 1 # 2/0 GRD, 3* C. ]	2 [ 4 # 400kCM & 1 # 2/0 GRD, 3° C. ]
600	2 [ 3 # 500kCM & 1 # 2/0 GRD, 3* C. ]	2 [ 4 # 500kCM & 1 # 2/0 GRD, 3* C. ]
700	2 [ 3 # 600kCM & 1 # 3/0 GRD, 3-1/2° C. ]	2 [ 4 # 600kCM & 1 # 3/0 GRD, 3-1/2" C.
760	4 [ 3 # 4/0 & 1 # 3/0 GRD, 2-1/2* C. ]	4 [ 4 # 4/0 & 1 # 3/0 GRD, 2-1/2° C. ]
800	4 [ 3 # 250kCM & 1 # 3/0 GRD, 2-1/2" C. ]	4 [ 4 # 250kCM & 1 # 3/0 GRD, 2-1/2" C.
100		4 [ 4 # 350kCM & 1 # 4/0 GRD, 3° C. ]
120		4 [ 4 # 500kCM & 1 # 250 GRD, 4° C. ]
160	5 [3 # 500kCM & 1 # 350kCM GRD, 4" C.]	5 [ 4 # 500kCM & 1 # 350kCM GRD, 4" 0
200		6 [ 4 # 500kCM & 1 # 400kCM GRD, 4* 0
250		8 [ 4 # 500kCM & 1 # 600kCM GRD, 4" (
300	10 [ 3 # 500kCM & 1 # 600kCM GRD, 4" C. ]	10 [ 4 # 500kCM & 1 # 600kCM GRD, 4*
400	12 [ 3 # 500kCM & 1 # 800kCM GRD. 4" C. ]	12 [ 4 # 500kCM & 1 # 800kCM GRD. 5"

FEEDER SCHEDULE

(XXX)	PANEL ROAD	116 King St, Suite 202 Madison, WI 53703	(608) 204-7464 AroEberle.com
х	PANELBOARD	→ TAIL I	ORED
	TRANSFORMER		EERING Rd Middleton, WI 53562
<b>*</b> ^	TRANSFORMER CONNECTION DESIGNATIONS		W:www.tailoredeng.com
-	— DELTA	S THUN	IDERBIRD
	WYE	(A A) ENGINI	EERING INC
	GROUNDED OPEN DELTA OPEN DELTA		E MADISON
			2211 PH: (508) 820-1201 Intrindengineering.com
⊱	CURRENT TRANSFORMER		
	UTILITY REVENUE METERING	Prtr	$\sim$
Y	FROM POWER SOURCE	W CI	11
$\downarrow$	TO LOAD	engineering const 218 N. Millenakee St. ( State SE) (Millenak Ti 614.273.1622 : www.clines.co	
<u>(#)</u> →	- FEEDER CONTINUATION CONNECTION #		
х	FEEDER CONTINUED ON SHEET INDICATED		
X -	- DEVICE UPSTREAM OR DOWNSTREAM		
마	NONFUSIBLE DISCONNECT		

No.	Description	Date
1	Review Set	Date 2
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_		
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-		
-		
$\vdash$		

CITY OF MADISON

DOOR CREEK PARK **SHELTER** 

MADISON, WI 53703

ONELINE DIAGRAM

CONSTRUCTION DOC	UMENTS
Project number	MSN-20-0
Date	10/31/2022

E500

# ATTACHMENT A - DOOR CREEK EBERLE

116 King St, Suite 202

Madison, WI 53703

(608) 204-7464

AroEberle.com

**TAILORED TENGINEERING** Project: #200084 1600 N High Point Rd Middleton, WI 53562 P:608.440.9594 W:www.tailoredeng.com

> THUNDERBIRD THUNDERBIRD ENGINEERING INC

	SPECIAL OUTLET SCHEDULE															
					LOAD		FEED FRO		OVERCURRE						NEMA	
TAG	DESCRIPTION	LOCATION	VOLTS	PHASE	(VA)	PANEL	CIRCUIT	BRANCH	TYPE	SIZE	POLE	NEUTRAL	BRANCH WIRING	OPTIONS	TYPE	REMARKS
A1	AIR HANDLING UNIT 1	MEZZANINE	208	1	1664	MDP	32,34	N	CB	15	2	NO	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		2
A2	AIR HANDLING UNIT 2	MEZZANINE	208	1	1664	MDP	36,38	N	C8	15	2	NO	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		2
С	COMPRESSOR	GARAGE	120	1	1200	MDP	- 1	N	CB	15	- 1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	10		2
E1	ELECTRIC UNIT HEATER 1	ENTRANCE VESTIBULE	208	1	2000	MDP	39,41	N	CB	15	2	NO	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		2
E2	ELECTRIC UNIT HEATER 2	FAMILY RESTROOM	208	- 1	2000	MDP	43,45	N	CB	15	2	NO	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		2
E3	ELECTRIC UNIT HEATER 3	GARAGE	208	1	1500	MDP	40,42	N	CB	15	2	NO	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		2
ER	ENERGY RECOVERY VENTILATOR	MEZZANINE	120	1	5400	MDP	37	N	CB	60	- 1	YES	(2) #6 & (1) #8 GRD, 1° C.	3, 10		1, 2
EW	ELECTRIC WATER HEATER 1	MECH / JANITOR	120	- 1	1500	MDP	64	N	CB	20	- 1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		1, 2
FA	FIRE ALARM CONTROL PANEL	GARAGE	120	1	500	MDP	7	N	CB	20	1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		1
FP	FIRE PLACE	EVENT/COMMUNITY SPACE (INDOOR)	120	1	1000	MDP	21	N	C8	15	- 1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	10		1, 2
HD	HAND DRYER	SFP	120	- 1	1500	MDP	SFP	N	CB	20	1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		1, 2
IV	SOLAR PV INVERTER - 7.0KWDC	SFP	208	1	3811	PV	SFP	N	CB	40	2	YES	(3) #8 & (1) #10 GRD, 1° C.	10		3
LP	LIGHTING RELAY CONTROL PANEL	GARAGE	120	1	500	MDP	- 6	N	CB	20	- 1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		1
SD	DC DISCONNECT SWTICH, FUSED, WP	SFP	600	- 1	6800	IV	SFP	N	F	12	2	YES	(3) #12 & (1) #12 GRD, 1/2° C.	10		3
SF	SENSOR FAUCET	SFP	120	1	150	MDP	SFP	N	CB	20	- 1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		1, 2
UR	URINAL FLUSH VALVE	SFP	120	- 1	300	MDP	28	N	CB	20	- 1	YES	(2) #12 & (1) #12 GRD, 1/2" C.	3, 10		1, 2
W	WELDING STATION	GARAGE	208	3	8320	MDP	69,71,73	N	CB	50	3	NO	(2) #8 & (1) #10 GRD, 1° C.	10	6-50	1, 2
WC	WATER CLOSET FLUSH VALVE	SFP	120	-1	300	MDP	SFP	N	CB	20	- 1	YES	(2) #12 & (1) #12 GRD, 1/2° C.	3, 10		1, 2
WH	UNDER-SINK WATER HEATER	SFP	208	3	13000	MDP	SFP	N	CB	50	3	NO	(2) #8 & (1) #10 GRD, 1° C.	3.10		1.2

BRANC	H
ABBR.	DESCRIPTION
CR	CRITICAL CARE
EM	EMERGENCY SYSTEM
EQ	EQUIPMENT SYSTEM
EC	ESSENTIAL SYSTEM

ABBR DESCRIPTION
CB AMPERE RATED CIRCUIT BREAKER
F AMPERE RATED FUSES AMPERE RATED SWITCHES SEE ONELINE DIAGRAM LIFE SAFETY NORMAL

OCPD TYPE

# OPTIONS: 1. SINGLE RECEPTACLE 2. DUPLEX RECEPTACLE 3. DIRECT CONNECTION 4. NON PUSIBLE DISCONNECT 5. FUSIBLE DISCONNECT 6. WEATHERPROOF 7. LOCKABLE

8. CONCEALED CONCEALED
 TOGGLE SWITCH
 VERIFY WITH MANUFACTURER PRIOR TO INSTALLATION
 SURFACE MOUNTED
 FLUSH MOUNTED
 GRECEPTACLE
 FED FROM UPSTREAM GFI BREAKER

### ABBREVIATIONS: SFP = SEE FLOOR PLAN SA = SEE ARCHITECTURAL DETAILS

PECAL OUT ITS CHEMICAL FROM THE PROPERTY OF THE PROPERTY OF THE SCHEME AT THE PROPERTY OF THE

	OCCUPANCY SENSOR SCHEDULE														
TAG	DESCRIPTION	MOUNT TYPE	MANUFACTURER	MODEL	PROGRAMMING	REMARKS									
A	DUAL TECHNOLOGY OCCUPANCY SENSOR - INTEGRAL ON/OFF SWITCH	WALL	ACUITY SENSORSWITCH	WSX-PDT-WH	AUTO ON / AUTO OFF										
C	DAYLIGHT SENSOR	CEILING	ACUITY SENSORSWITCH	CM SERIES	AUTO DIMMING, MANUAL OVERRIDE										
D	MOTION SENSOR	CEILING	COOPER GREENGATE	OXC-P-2MHO-R	AUTO ON / AUTO OFF										

	LOW VOLTAGE SWITCH STATION SCHEDULE														
DESCRIPTION	LOCATION	DESCRIPTION	RELAY CONTROLLED	MANUFACTURER AND MODEL	REMARKS										
A	SFP	ON / OFF SWITCH	YES	ACUITY SENSORSWITCH SPODMA SERIES											
В	SFP	ON / OFF/ DIM UP / DIM DOWN	YES	ACUITY SENSORSWITCH SPODMA SERIES											

	LIGHTING FIXTURE SCHEDULE																		
		FIXTURE		SOURCE		DRIVE BALLA	ST	INPUT					FIXTURE	SPECIFIED FIXTURE			ACCEPTABLE ALTERNATE FIXTURES		
TYPE	DESCRIPTION		DESCRIPTION		CRI	TYPE	NO.	WATTS	VOLTS	TYPE	HEIGHT	TYPE	DEPTH	MANUFACTURER		FINISH	MANUFACTURER	MODEL NO.	REMARKS
DA	4" RECESSED DOWNLIGHT	LED	IN UNIT	3500	90	0-10V	1	9	120	R	8"-0" AFF	DW	4"	LITHONIA	LDN4-35-07-LO4-AR	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
DB	4" RECESSED DOWNLIGHT	LED	IN UNIT	3500	90	0-10V	1	11	120	R	8-0" AFF	DW	4"	LITHONIA	LDN4-35-10-LO4-AR-LD	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
LA4	4:0" LINEAR FIXTURE	LED	IN UNIT	3000	+80	0-10V	1	9	120	S	SFP	ES	2 1/2"	COOPER	0.06-09W-835-60	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
LA6	6'-0" LINEAR FIXTURE	LED	IN UNIT	3500	90	0-10V	1	33	120	S	SFP	ES	2 1/2"	AXIS	ED2S-400-90-35-UB-6-W-120-DP	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
LB4	4:0" LINEAR FIXTURE	LED	IN UNIT	3000	+80	0-10V	1	12	120	S	SFP	ES	2 1/2"	COOPER .	0.06-09W-835-30	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
LC4	4:0" LINEAR FIXTURE	LED	IN UNIT	3000	+80	0-10V	1	12	120	S	SFP	ES	2 1/2"	COOPER	0.06-12W-835-60	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
LC6	6'-0" LINEAR FIXTURE	LED	IN UNIT	3500	90	0-10V	1	33	120	S	SFP	ES	2 1/2"	AXIS	ED-1000-90-35-UB-6-W-120-DP	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
LD4	4:0" LINEAR FIXTURE	LED	IN UNIT	3000	+80	0-10V	1	9	120	S	SFP	ES	2 1/2"	COOPER .	0.05-12W-835-30	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
QA	POLE MOUNTED FIXTURE	LED	IN UNIT	4000	>70	ST	1	71	120	0	25'-0"	N	3*	LITHONIA	RSX2 LED	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	1
CA2	POLE MOUNTED FIXTURE - TWO-HEAD	LED	IN UNIT	4000	>70	ST	1	142	120	0	25'-0"	N	3"	LITHONIA	RSX2 LED		OR APPROVED EQUAL	OR APPROVED EQUAL	1
OB	EXTERIOR WALL SCONCE	LED	IN UNIT	3000	+80	0-10V	1	14	120	W	SFP	N	2 1/2"	BROWNLEE	7075-12-H16-35K		OR APPROVED EQUAL	OR APPROVED EQUAL	
OC	EXTERIOR DOWNLIGHT SCONCE	LED	IN UNIT	3000	+80	0-10V	1	11	120	R	SFP	V	5 1/2"	ASL	CTQC LED 1-LIGHT SCONCE	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
SA	4:0" LINEAR STRIP LIGHT FIXTURE	LED	IN UNIT	4000	90	ST	1	35	120	P	SFP	ES	3 1/2"	LITHONIA	BLWP4-40L-ADSM-120-GZ10-LP940	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
SB	4-0" LINEAR STRIP LIGHT FIXTURE	LED	IN UNIT	4000	90	ST	1	35	120	S	SFP	V	3 1/2"	LITHONIA	BLWP4-40L-ADSM-120-GZ10-LP940	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
TA	6'-0" TRACK FIXTURE	LED	IN UNIT	4000	90	0-10V	1	13	120	S	SFP	ES	5 1/2"	COOPER	HALO 808 SERIES	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
WA	26" VANITY SCONCE	LED	IN UNIT	3500	+80	0-10V	1	21	120	W	SFP	N	4 1/2"	LUMINAIRE LED	VPF4-2FT-MIN10-20W-35K-120-CLP	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	
XD	EXIT SIGN - SINGLE FACE WITH OPTICS	LED	IN UNIT	0		ST	1	4	120	W	SFP	N	8 1/2"	LITHONIA	LQHM-LED-R-SD	A/O	OR APPROVED EQUAL	OR APPROVED EQUAL	

FIXTU	RE TYPE	DRIVER	/BALLAST TYPE	MOUNT	ING TYPE	CEILING	STYPE	FINISH	<u>s</u>
ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION	ABBR.	DESCRIPTION
F	FLOURESCENT	0-10V	0-10 VOLT DIMMING	AFF	ABOVE FINISH FLOOR	DW	DRYWALL	A/O	COLOR AS SELECTED BY ARCHITECT/OWNE
н	HID	D1	DIMMING 1-100%	AFG	ABOVE FINISH GRADE	ES	EXPOSED STRUCTURE	BA	BRUSH ALUMINUM
HAL	HALOGEN	D5	DIMMING 5-100%	0	OUTDOOR	LG	LAY-IN GRID	BL	BLACK
1	INCANDESCENT	D10	DIMMING 10-100%	P	PENDANT	N	NONE	BZ	BRONZE
LED	LIGHT EMITTING DIODE	DST	STEP DIMMING 50/100%	R	RECESS	V	VARIES	CF	CUSTOM FINISH
		ET	ELECTRONIC	S	SURFACE			N	NONE
		M	MAGNETIC	W	WALL MOUNTED			SF	STANDARD FINISH
		PS	PULSE START					SN	SATIN NICKLE
		ST	STANDARD					WH	WHITE
		XEMB	TRANSFORMER						

OF	TIONS:
1.	AIR HANDLING CAPABILITY-RETURN AIR
2.	3" DEEP PARABOLIC LOUVERS
3.	4" DEEP PARABOLIC LOUVERS
4.	SEMI-SPECULAR, LOW IRIDESCENT PARABOLIC LOUVER
5.	FURNISH WITH HOLOPHANE 8246 LENS
6.	FLAT ALUMINUM DOOR FRAME-MITERED CORNERS
7.	REGRESSED ALUMINUM DOOR FRAME
8.	FLAT STEEL DOOR FRAME
9.	SINGLE GASKETED DOOR FRAME
10.	DOUBLE GASKETED DOOR FRAME
11.	TRIPLE GASKETED DOOR FRAME, LENS, BODY
12	DOCT DAINTED EINIGH

12. POST PAINTED FINISH

13. WET LOCATION CONSTRUCTION 13. WEI TOURING CONSTRUCTION
14. DIAMP LOCATION CONSTRUCTION
15. STANLESS STEEL TRIM AND DOOR FRAME
16. CLEAR ALZAK KEPLECTOR
17. FURNISH WITH DUST COVER
19. FURNISH WITH AUSLED DUST COVER
19. FURNISH WITH LISES AND GASKET
20. FURNISH WITH AUSLLARY QUARTZ RESTRIKE

21. FURNISH WITH ACRIVE LISS WITH NITIONAL PROPERTY SCOPE
22. FURNISH WITH ACRIVE PROPERTY SCOPE
23. FURNISH WITH ACRIVE LISS WITH NITIONAL PROPERTY SCOPE
24. FURNISH WITH NITIONAL PROPERTY SCOPE
25. FURNISH WITH NITIONAL PROPERTY SCOPE
26. FURNISH WITH SCOPE PROPERTY SCOPE
27. FURNISH WITH SCOPE PROPERTY SCOPE PROPERTY

REMARKS:
1. REFER TO DETAIL 3/E700 FOR POLE HEIGHT DETAIL. REFER TO DETAIL 4/E700 FOR POLE BASE DETAIL

	MECHANICAL EQUIPMENT CONNECTION SCHEDULE															
									FE	ED FROM		OCPD				
MOTOR TAG	TAG	DESCRIPTION	LOCATION	VOLT	PHASE	HP	FLA	MCA	PANEL	CKT	BRANCH		SIZE	POLE	BRANCH WIRING	REMARKS
1	HP-1	HEAT PUMP 1	EXTERIOR	208 V	1	0 hp	37 A	37 A	MDP	44,46	N	CB	40 A	2	(2) #8 & (1) #10 GRD, 1° C.	1
2	HP-2	HEAT PUMP 2	EXTERIOR	208 V	1	0 hp	37 A	37 A	MDP	48,50	N	CB	40 A	2	(2) #8 & (1) #10 GRD, 1° C.	1
3	EF-1	EXHAUST FAN 1	SERVICE KITCHEN	120 V	1	0 hp	1A	0 A	MDP	19	N	CB	15 A	- 1	(2) #12 & (1) #12 GRD, 1/2° C.	1
4	EF-2	EXHAUST FAN 2	MEZZANINE	208 V	3	2 hp	7.A	12 A	MDP	31,33,35	N	CB	15 A	3	(3) #12 & (1) #12 GRD, 1/2" C.	1
5	RCP-1	RECIRCULATION PUMP 1	MECH / JANITOR	120 V	1	5 hp	1A	0 A	MDP	27	N	CB	15 A	1	(2) #12 & (1) #12 GRD, 1/2° C.	1
6	IF-1	INTAKE FAN 1	MEZZANINE	208 V	3	2 hp	7.A	12 A	MDP	70,72,74	N	CB	15 A	3	(3) #12 & (1) #12 GRD, 1/2" C.	1

ABBREVIATIONS: N = NORMAL BRANCH N = NORMAL BRANCH LS = LIFE SAFETY BRANCH CR = CRITICAL BRANCH EQ = EQUIPMENT SYSTEM EM = EMERGENCY SYSTEM ES = ESSENTIAL SYSTEM

GS = AMPERE RATED CHICK IN BREAMER
S = AMPERE RATED SWITCH
F = AMPERE RATED FUSES
OCPD = OVERCURRENT PROTECTIVE DEVICE
SFP = SEE FLOOR PLAN
SA = SEE ARCHITECTURAL DETAILS

MAG = MAGNETIC CONTROLLER
MAG = MAGNETIC CONTROLLER
CS = COMBINATION CONTROLLER
RVS = REDUCE VOLTAGE CONTROLLER
SP = 2 SPEED MAGNETIC CONTROLLER
VFD = VARIABLE FREQUENCY DRIVE

IU = IN UNIT NU = NEAR UNIT OU = ON UNIT SD = SEE ONELINE DIAGRAM BOL = BULLT-IN OVERLOAD WP = WEATHER PROOF

FD = FUSIBLE DISCONNECT
ND = NOM-FUSIBLE DISCONNECT
LNRS = LOCKABLE MOTOR RATED SWITCH
MER = MANUFACTURER
MC = MECHANICAL CONTRACTOR
EC = ELECTRICAL CONTRACTOR

	LIGHTING RELAY CONTROL PANEL SCHEDULE										
DESIGNATION	CIRCUIT CONTROLLED	AREA DESCRIPTION	PROGRAMMING	REMARKS							
1	56R	GARAGE	PROGRAMMED ON / OFF / DIM								
2	57R	BUIDING EXTERIOR WEST	PROGRAMMED ON / OFF								
3	58Rb; 58Rb,d; 59Rb,e	INDOOR EVENT SPACE WEST	PROGRAMMED ON / OFF / DIM								
4	59Ra; 59Ra,d; 59Ra,e	INDOOR EVENT SPACE EAST	PROGRAMMED ON / OFF / DIM								
5	60R	CORRIDOR	PROGRAMMED ON / OFF								
6-7	62R	PARKING LOT	PROGRAMMED ON / OFF								
8	65Rf; 65Rg; 65Rh; 65Ri	OUTDOOR EVENT SPACE	PROGRAMMED ON / OFF								
9	76R	KITCHEN	PROGRAMMED ON / OFF / DIM								
10	SPARE										
11	SPARE										
12	SPARE										
13	SPARE										
14	SPARE										
15	SPARE										
16	SPARE										

No.	Description	Date
	Review Set	Date 2

CITY OF MADISON

DOOR CREEK PARK **SHELTER** 

MADISON, WI 53703

**ELECTRICAL SCHEDULES** 

CONSTRUCTION DOG	CUMENTS
Project number	MSN-20-0
Date	10/31/2022

E600

MECHANICAL EQUIPMENT CONNECTION SCHEDULE REMARKS:

1. CONFIRM EQUIPMENT REQUIREMENTS WITH MECHANICAL CONTRACTOR

		Supply From: "UTILITY XFMF Mounting: Recessed Enclosure: Type 1	r					Phases: Wires:							Mains Type: MCB Bus Amps: 400 A MCB Rating: 400 A			
B Info	СКТ	Circuit Description	Amps	Trip	Poles	,			В		С	Poles		Amps	Circuit Desc		СКТ	CB Inf
	1	COMPRESSOR - GARAGE		15 A	1	1200 VA	540 VA					1	20 A	4.5 A	RECEPT - GARAGE NO	RTH/EAST	2	
	3	EXIT SIGNS	0.27_	20 A	1			32 VA	360 VA			1	20 A	3 A	RECEPT - GARAGE SO	JTH	4	
	- 5	DRINKING FOUNTAIN - EXTERIOR EAST	1.5 A	20 A	1					180 VA	500 VA	1	20 A	4.17	LIGHTING RELAY CON	ROL PANEL	- 6	
	7	FIRE ALARM CONTROL PANEL	4.17_		1	500 VA	630 VA					1	20 A	5.25	SF, WC, HD, RECEPT -	FAMILY REST.	8	_
	9	RECEPT - SERVICE KITCHEN EXTERIOR	6A		1		_	720 VA	4333 VA			١.	l	36.08	l		10	
_	11	RECEPT - EVENT/COMM INDOOR WEST RECEPT - SERVICE KITCHEN WEST	7.5 A		1	360 VA	1020111	_		900 VA	4333 VA	3	50 A	A	WH - FAMILY RESTRO	M	12	1
_	15	RECEPT - SERVICE KITCHEN WEST	3 A 4.5 A	20 A	1	300 VA	4333 W	EAD MA	4333 VA		-	-	-	_			16	-
_	17	REF - SERVICE KITCHEN EAST	7.5 A	20 A	1		_	D4U VA	4333 VA	900 VA	4333 VA	١.	50 A	36.08	WH - SERVICE KITCHE		18	1
_	19	EF-1 - SERVICE KITCHEN		15 A	i	156 VA	4333 VA			303 VA	-000 VA	ť	I~^	A	THE SECURE AND CHE	•	20	1
-	21	FIREPLACE	8.33		i	IA	-320 171	1000 VA	180 VA			1	20 A	1.5 A	DRINKING FOUNTAIN -	CORRIDOR	22	-
_	23	RECEPT - EQUIP STOR, CORRIDOR		20 A	1			//		900 VA	720 VA	li			RECEPT - CORRIDOR		24	
	25	RECEPT - MECH/ANITOR	3 A	20 A	1	360 VA	1200 VA					li	20 A	10 A	WC. SF. RECEPT - WO	IENS	26	
	27	RCP-1 - MECHUANITOR	1.3 A	15 A	1			156 VA	1200 VA			1	20 A	10 A	WC. UR. SF. RECEPT -	MEN'S	28	
	29	HAND DRYER - MEN'S RESTROOM	125.	20 A	1					1500 VA	360 VA	1_	20 A	3 A	RECEPT - MECHANICA	MEZZANINE	30	
	31		6.49			780 VA	832 VA					2	15 A	8 A	A1 - MECHANICAL MEZ	ZANINE	32	
	33	EF-2 - MECHANICAL MEZZANINE	0.49 A	15 A	3			780 VA	832 VA			ľ_	IIO A	o A	AT - MEUNANIUAL MEZ	CANINE	34	<u> </u>
	35		^	_						780 VA	832 VA	2	15 A	8 A	A2 - MECHANICAL MEZ	ZANINE	36	
	37	ER - MECHANICAL MEZZANINE	45 A	60 A	1	5400 VA	832 VA					<u> `</u>	I.JA	· ^	PRE - INCOMPRENEZ	Dent	38	
	39	E1 - ENTRANCE VESTIBULE	9.62	15 A	2			1000 VA	750 VA			2	15 A	7.21	E3 - GARAGE		40	
_	41				_					1000 VA	750 VA	-					42	_
	43 45	F2 - FAMILY RESTROOM	9.62	15 A	2	1000 VA	3/96 VA					12	40 A	36.5	HP-1 - EXTERIOR ENCL	OSURE	44 46	1
								1000 VA	3/96 VA			-						_
_	47	RECEPT - EXTERIOR ENCLOSURE DRINKING FOLINTAIN - EXTERIOR WEST	1.5 A	20 A	1	180 VA		_		180 VA	3796 VA	2	40 A	36.5	HP-2 - EXTERIOR ENCL	OSURE	48	
_	51	RECEPT - MEN'S	1.5 A 3 A	20 A	1	180 VA	3/96 VA	360 VA	7001/4		-		20 A		RECEPT - EVENT/COM	4 A AAAAA AAA	52	-
_	53	RECEPT - WOMEN'S	3 A	20 A	1		_	360 VA	720 VA	360 VA	360 VA	1	20 A		RECEPT - SERVICE KIT		54	_
_	55	RECEPT - WOMEN'S RECEPT - SERVICE KITCHEN	4.5 A	20 A	1	540 VA	240.1/6	_	_	300 VA	360 VA	1			LIGHTING - GARAGE	UHEN	56	-
_	57	LIGHTING - EXTERIOR WEST	0.98	20 A	1	340 VA	210 VA	117 VA	471 VA		_	1	20 A		LIGHTING - EVENT/CO	M INDOOD WEST	58	-
_	59	LIGHTING - EVENT/COMM INDOOR EAST	2.73.	20 A	1		-	111/1/1	47.1.173	327 VA	53 VA	1	20 A		LIGHTING - CORRIDOR		60	-
	61	LIGHTING - MEN'S, WOMEN'S, MECHJAN	2A	20 A	1	240 VA	355 \/A					1			LIGHTING - PARKING L		62	
	63	LIGHTING - MECHANICAL MEZZANINE		20 A	1	240 171	500 VA	70 VA	1500 VA		<b>†</b>	i			WH - MECHUANITOR	J	64	
	65	LIGHTING - EVENT/COMM OUTDOOR		20 A	1			10.00		162 VA	1500 VA	1			HAND DRYER - FAMILY	RESTROOM	66	
	67	HAND DRYER - WOMEN'S RESTROOM	12.5	20 A	1	1500 VA	180 VA					1	20 A	1.5 A	WATER SOFTENER - M	ECH / JANITOR	68	
	69		23.09					2773 VA	780 VA			_		6.49			70	
	71	WELDING STATION - GARAGE		20 A	3					2773 VA	780 VA	3	20 A	0.49 A	IF-1 - MECHANICAL ME	ZZANINE	72	1
	73		A	Ш	ш	2773 VA	780 VA					L	_				74	Щ.
	75	LIGHTING - FAMILY RESTROOM	0.25	20 A	1			30 VA	65 VA			1	20 A		LIGHTING - KITCHEN		76	
	77	LIGHTING - FURNITURE/EQUIP STORAGE	1.17	20 A	1					140 VA		1	-	-	SPACE		78	_
_	79	SPACE	-	-	1	-	-					11	-	-	SPACE		80	_
	81 83	SPACE SPACE	-	-	1			-	-			11		-	SPACE SPACE		82 84	$\vdash$
	0.3	armuc	-		ч.	3680	2111	0700	6 VA		19 VA	1		-	ormut		- 64	
				Total	Load:		D VA		IO VA		19 VA	4						
				Tot		307 A		232 A		237 A								
RCUIT	BREAK	ER INFORMATION LEGEND:										ABBE	EVIAT	IONS:				
GRO	UND FA	JULT SENSING										мсв	= MAIN	CIRCI	UIT BREAKER			
- CHILI	NT TRIE											CR-	CIRCU	TROC	AKED			
100													: CIRC		Juni			
		NTERRUPTER										CKI	- UNU	ull				
			_	_			_					ь.	_	_				
	ssificat	ion	_		ected		De	mand Fa	tor		mated Der		-		Panel	Totals		
VAC					0174 W			100.00%			20174 VA							
ther			ட		247 VA			100.00%			1247 VA				Total Conn. Load:			
ower			т	7	3678 W	A.		100.00%			70678 VA		$\top$		Total Est. Demand:	93123 VA		
ghting			$\top$	_	025 VA			100.00%			1025 VA		-		Total Conn.:	258 A		
y			+	_	//					_	200 775	_	+		Total Est. Demand:	258 A		
			+				-			_			+		ross ESt. Delitatio.	2007		
													1					
_																		

	ı	Branch Panel: PV  Location: GARAGE 108 Supply From: SOLAR ARRA's Mounting: Recessed Enclosure: Type 1	Volte: 120/208 Wye Phases: 3 Wires: 4							A.I.C. Rating: 10,000 Malos Type: MCB Bus Amps: 100 A MCB Rating: 100 A									
CB Info	СКТ	Circuit Description	Amps	Trip	Poles		١.		В		С	Poles	Trip	Amps	Circuit Description		CKT	CB Info	
	1	INVERTER (LEFT) - MEZZANINE		30 A		1905 VA	1906 VA					2	30 A	_	INVERTER (CENTER) -	AE 77 ANINE	2		
	3	INVENTER (LEFT) - MEZZANINE	-	-				1905 VA	1905 V			Ľ.	30 A		SPACE	NEZZ/WINE	4		
ı	5	INVERTER (RIGHT) - MEZZANINE	18.3	30 A	2	1905 VA				1905 VA		li-	-		SPACE		6	-	
		SPACE	-		1	1905 VA	-		-	-	_	1			SPACE		10	_	
		SPACE	-	-	1	_	_	-	-	-	-	1	-	-	SPACE		12	_	
	13	SPACE		-	1	-	-					1			SPACE		14		
	15	SPACE		-	1			-	-			1			SPACE		16		
	17	SPACE	**	-	1							1			SPACE		18		
				Total	Load:	571	S VA	381	1 VA	190	15 VA								
1				Tot		50 A		34 A		16 A		1							
CIRCUIT	BREAK	ER INFORMATION LEGEND:				•	•	•	•	•	•	ABBE	EVIAT	IONS:					
G = GRO	UND FA	JULT SENSING										MC8	= MAI	V CIRC	JIT BREAKER				
S = SHU	NT TRIP											CB = CIRCUIT BREAKER							
1 = 100												CKT = CIRCUIT							
		NTERRIPTER										l'ill	- 0110						
I oad Cb			_	C	nected	Land	n-	mand Fa		E-c-	nated Der		_	_	Panel	Tatala			
Power	issiii.aa	OII .	+		1432 V			100.00%			11432 VA		+		railei	Totals			
Power			+	- 1	1432 V	^	_	100.00%		-	11432 VA		+		Total Conn. Load:	44400111			
			-				_						+						
			_				_						-		Total Est. Demand:				
															Total Conn.:				
															Total Est. Demand:	32 A			
			Т										Т						
Notes:																			
		RATING IS SHOWN FOR BIDDING PURPOS RING EQUIPMENT, PV INVERTER LOADS (							COMPLE	TE FAULT	CURREN	T COC	RDIN	ATION A	IND ARC FLASH STUDY	PER SPECIFICATI	ON 26 05	73	

No.	Description	Date
1	Review Set	Date 2

116 King St, Suite 202 Madison, WI 53703

(608) 204-7464 AroEberle.com

**TAILORED** TAILURE Project: #200084 1600 N High Point Rd Middleton, WI 53562 P:608.440.9594 W:www.tailoredeng.com THUNDERBIRD

CITY OF MADISON

DOOR CREEK PARK SHELTER

MADISON, WI 53703

**ELECTRICAL PANEL SCHEDULES** 

CONSTRUCTION DOCUME	NTS
Project number	MSN-20-0
Date	10/31/202

E601

# ATTACHMENT A - DOOR CREEK









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XCLAMP TO METAL SEAM ROOF COUPLING TO NEXT PANEL XCLAMP TO METAL SEAM ROOF

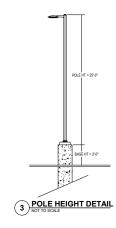
- DETAIL NOTE:

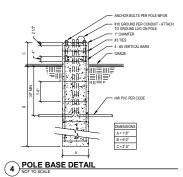
  1. SOLARIN POWERT, 400 PHOTOVICTAIC MODULES SHALL BE INTEGRATED WITH METAL X STANDING SEAM MOUNTING SYSTEM, OR APPROVED EDUM.

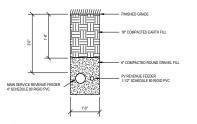
  2. SIMA SIMSPEC PAPID SHIT DOWN DEVICE TO BE INSTALLED BY CONTRACTOR.

  3. INSTALLATION SHALL COMPLY WITH REQUIREMENTS OF PV. MODULE MANNE/CTUERN INSTALLATION INSTRUCTION.

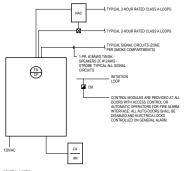
### PHOTOVOLTAIC MODULE DETAIL







TRENCH DETAIL



- PARTIES, ANTER 18 HE RAMM CONDUIT SHALL BE RED IN COLOR BY THE FACTORY, AUNCTION BOXES SHALL BE DYDG RED PYTHE FACTORY OF RELD PARTIED RED.

  ALL MOTHER CHAPMANUACE CORD.TH OF MARIES SHALL BE WIRED WITH A CLASS A COOP.

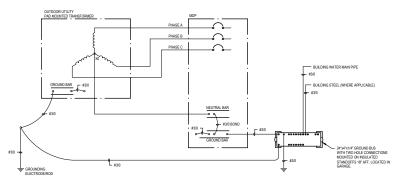
  ALL ANDRIBE CHAPMANUACE CORD.TH OF MARIES SHALL BE WIRED WITH A CLASS A COOP.

  ALL ANDRIBE RESERVED AND A REPORT OF MARIES SHALL BE PROVIDED BY THE MANEAUTHER.

  ALL CRIDE THE RESERVED SHALL BE PROVIDED WITH A CORD.TH BERSER LOXCE,

  MAIN SHOWN ON PLAN ARE ESTIMATED AND SHALL BE CONFIRMED PROVIDE TO FIRE ALARM SYSTEM ROUGH.





2) BUILDING ELECTRICAL SERVICE GROUNDING SYSTEM DETAIL NOT TO SCALE

No.	Description	Date
1	Review Set	Date 2
		_
		_
_		-

CITY OF MADISON

DOOR CREEK PARK **SHELTER** 

MADISON, WI 53703

**ELECTRICAL DETAILS** 

CONSTRUCTION DOCUMENTS	
Project number	MSN-20-0
Date	10/31/2022

E700

PLUMB	ING S	SYMBOL SCHEDULE	PLUMB	ING S	SYMBOL SCHEDULE
	AFF	ABOVE FINISHED FLOOR	IE= 000.00	IE	INVERT ELEVATION OF SEWER OR DRAIN
	AP	ACCESS PANEL		LT	LAWADBRYTRAY
	ANB	ACID NEUTRALIZATION BASIN		LAV	
<b>—</b> ∳ <b>□</b> ∮—	BFP/ RPB	BACKFLOW PREVENTER		LI	LINT INTERCEPTOR
<b>—</b> ф—	P	BALL VALVE		MB	MOP BASIN
·	ВТ	BATHTUB	-ф-		NATURAL GAS SHUT-OFF VALVE
<b>⊣</b> [⊢		BUTTERFLY VALVE	0		NEW PIPE CONNECTION TO EXISTING
->4√-		CALIBRATED BALANCE VALVE, INLINE FLOW SIGHT INDICATOR & CHECK VALVE			PIPE CAP
		CAP EXISTING PIPE		PC	PLUMBING (DIVISION 22) CONTRACTOR
- <del>1</del> -		CHECK VALVE	_ <u>L</u>	PRV	PRESSURE REDUCING VALVE
	CP	CIRCULATING PUMP		RV	RELIEF VENT
——II	co/wco	CLEANOUT OR WALL CLEANOUT (AS NOTED)	- <b>↓</b> ↓-		RISING STEM GATE VALVE
	CLVTR	CLEARWATER VENT THRU ROOF	0	RD/OD	ROOF DRAIN / OVERFLOW DRAIN
	WCL	COMBINATION WATER CLOSET LAVATORY		SE	SEWAGE EJECTOR
0	DD	DECK DRAIN		SH	SHOWER
<b>a</b>		DETAIL AND ISOMETRIC REFERENCE		S	SINK
	DN	DOWN		SV	STACK VENT
	DSN	DOWNSPOUT NOZZLE		ST	STORAGE TANK
00		DRAINAGE/WATER FIXTURE UNIT TAG		COND	STORM / CLEARWATER CONDUCTOR
	DBT	DRAINBACK TANK		SP	SUMP PUMP
	DTR	DRAIN TILE RECEIVER		TMV	TEMPERATURE MIXING VALVE
	DF	DRINKING FOUNTAIN		TT	TEMPERING TANK
	EWC	ELECTRIC WATER COOLER		TD	TRENCH DRAIN
	EEW	EMERGENCY EYE WASH		TYP	TYPICAL
	EEWS	EMERGENCY EYE WASH SHOWER		UR	URINAL
		EQUIPMENT / FIXTURE DEMOLITION		VS	VENT STACK
	EXIST	EXISTING		VTR	VENT THRU ROOF
	ET	EXPANSION TANK		AWC	WASHING MACHINE WALL BOX
FFE=100.00	FFE	FINISHED FLOOR ELEVATION		ws	WASTE STACK
	FCO	FLOOR CLEANOUT		WC	WATER CLOSET
•	FD	FLOOR DRAIN		WHA	WATER HAMMER ARRESTOR
	FS	FLOOR SINK		EWH	WATER HEATER ELECTRIC
	FFD	FLUSHING FLOOR DRAIN		GWH	WATER HEATER GAS
	FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR (DIVISION 11)		HWX	WATER HEATER STEAM
0		FOOD SERVICE EQUIPMENT TAG	8		WATER MAIN VALVE AND BOX
	HS	HAND SINK		ws	WATER SOFTENER
+	HB/WH	HOSE BIB OR WALL HYDRANT (AS NOTED)			
0	HD	HUB DRAIN			
	HPT	HYDRO PNEUMATIC TANK			
	IW	INDIRECT WASTE	NOTE: ALL SYMBOLS M	AY NOT E	BE USED FOR THIS PROJECT

NOTE: ALL SYMBOLS MAY NOT BE USED FOR THIS PROJECT

### PLUMBING DRAWING NOTES

- . CONTRACTOR SHALL INSTALL ALL PLUMBING SYSTEM IN COMPLIANCE WITH STATE OF WISCONSIN CODE SECTIONS SPS CHAPTERS #381 TO #384.
- CONTRACTOR SHALL PROVIDE CLEANOUTS IN SANITARY PIPING AT A MAXIMUM OF 100 FEET APART FOR ALL STRAIGHT PIPE RUNS, AT EVERY CHANGE OF DIRECTION, AT THE BEGINNING OF THE SYSTEM, AND IN COMPLIANCE WITH WISCONSIN CODE SECTION SPS 362.35 - CLEANOUTS.
- CONTRACTOR SHALL COMPLY WITH WISCONSIN CODE SECTION SPS 382.22(3) EACH PLUMBING FIXTURE, EACH COMPARTMENT OF A PLUMBING FIXTURE AND EACH FLOOR DRAIN SHALL BE SEPARATELY TRAPPED BY A WATER SEAL TRAP, EXCEPT AS PROVIDED IN PAR. (a) OR OTHERWISE PERMITTED BY THIS CHAPTER A FIXTURE SHALL NOT BE COULE TRAPPED.
- CONTRACTOR SHALL COMPLY WITH WISCONSIN CODE SECTION SPS 382.40(8)(i)4 NEW OR REPAIRED COMBINATION WATER ERVICES OR COMBINATION PRIVATE WATER MAINS SHALL BE FLUSHED AND DISINFECTED PRIOR TO BE IN ACCORDANCE WITH NFPA 24.
- CONTRACTOR SHALL COMPLY WITH WISCONSIN CODE SECTION SPS 382.32(5) DIRECT FIXTURE DRAIN CONNECTION. EXCEPT AS PROVIDED IN SECTION SPS 382.33, ALL PLUMBING FIXTURES AND APPLIANCES DISCHARGING WASTES SHALL CONNECT DIRECTLY TO A DRAIN SYSTEM.
- CONTRACTOR SHALL COMPLY WITH WISCONSIN CODE SECTION SPS 382.4(5)(5)66. THE DISCHARGE PIPE SHALL BE INSTALLED TO DRAIN BY GRAVITY FLOW TO A FLOOR SERVED BY A FLOOR DRAIN OR TO A RECEPTION AN ACCORDANCE WITH SPS 382.3(3), THE OUTLET OF THE DISCHARGE PIPE SHALL TERMINATE WITHIN 6" OVER THE FLOOR OR RECEPTION, BUT NOT LESS THAN A DISTANCE EQUAL TO TWICE THE DIMACTER OF THE OUTLET PIPE. THE OUTLET OF THE DISCHARGE PIPE MAY NOT BE THREADED.
- 7. CONTRACTOR SHALL INSTALL OF PIPE HANGERS AND SUPPORTS IN COMPLIANCE WITH WISCONSIN CODE SECTION SPS 382.60

### PLUMBING NOTES

- 1. ALL ITEMS SHALL BE NEW UNLESS OTHERWISE NOTED
- THE WORD "PROVIDE" SHALL MEAN FURNISH AND INSTALL UNLESS NOTED OTHERWISE.
- SAW CUT EXISTING FLOOR AND WALL CONSTRUCTION AS REQUIRED IN ORDER TO ACCOMMODATE WASTE AND VENT PIPING. PATCH ALL WORK TO MATCH EXISTING CONSTRUCTION.
- PROVIDE AIR GAPS FOR INDIRECT DRAINS AS REQUIRED BY CODE. AIR GAP SHALL BE TWO (2) TIMES THE DIAMETER OF THE INDIRECT DRAIN.
- COORDINATE ROUTING OF ALL PIPING SYSTEMS TO AVOID DUCTWORK, ELECTRICAL CONDUIT, BEAMS AND OTHER STRUCTURAL MEMBERS.

PROVIDE GROUTING/CAULKING WHERE FIXTURES MEET WALLS, FLOORS, ETC.

- PROVIDE FIRE RATED PIPE SLEEVE OR FIRE CAULKING ON ALL PIPE PENETRATIONS THROUGH FIRE RATED WALLS/FLOORS.
- PLUMBING CONTRACTOR TO VERIFY ALL EXISTING WASTE, VENT, WATER SUPPLY PIPING WHERE CONNECTIONS ARE TO BE MADE PRIOR TO BID. VERIFY EXACT SIZE, LOCATION, INVERT, CONDITION AND REQUIREMENTS IN FIELD. REPORT ANY MAJOR DISCREPANCIES TO OWNER IMMEDIATELY.

### PLUMBING PIPE TYPES SCHEDULE ATTACHMENT A - DOOR CRE FXISTING -140°--140°- -140° HOT WATER 140° 140° HOT WATER RETURN ----C<del>L</del>V----CLV CLEAR WATER VENT ABOVE FLOOR CLW \_\_\_cıw\_\_\_ CLW CLEAR WATER WASTE ABOVE FLOOR \_\_-cew\_-CSW COLD SOFT WATER PIPING COLD WATER COMPRESSED AIR DEMO DEMORIMMENTE BELOW GROUND / FLOOR — DT— -DRAINTILE DRAIN PIPING \_\_n\_\_ D FOR NON DESIGNATED BELOW SLAB PIPING GW GREASE WASTE HW HOT WATER HWR HOT WATER RETURN NATURAL GAS NON-POTABLE WATER

### PLUMBING PROJECT NOTES

PD PUMP DISCHARGE EFFLUENT / SANITARY
PD PUMP DISCHARGE STORM / CLEAR WATER
STM STORM DRAIN ABOVE FLOOR

V VENT PIPE ABOVE FLOOR
W WASTE / SANITARY DRAIN ABOVE FLOOR

THE GENERAL CONDITIONS AND SUPPLEMENTAL GENERAL CONDITIONS ISSUED BY THE OWNER SHALL GOVERN WHERE APPLICABLE

THIS CONTRACTOR SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH THE PLANS AND SHALL VERIFY EXISTING SITE CONDITIONS AT THE OSD SITE BEFORE SUBMITTING BID. FAILURE TO RECOGNIZE WORK REQUIRED SHALL BE AT THE EXPENSE OF THIS CONTRACTOR. NO CONSIDERATION SHALL BE GIVEN FOR ADDITIONAL COMPENSATION AFFER LETTING OF BID.

CONTRACTOR TO MAKE ALL NECESSARY TAPS, AS CALLED FOR ON THE DRAWINGS.

THIS CONTRACTOR SHALL REMOVE ALL DEBRIS ON A REGULAR BASIS AND UPON COMPLETION OF THE JOB AND CLEAN ALL FIXTURES

COVER ALL HOT AND COLD LINES. PIPING COVERING SHALL BE 3-1/2 LB. DENSITY FIBERGLASS WITH MOLDED FITTINGS AND BUTT JOINTS AND VAPOR BARRIER. WATER PIPING INSULATION SHALL BE INSTALLED PER 2012 IECC SEC. C404.5.

IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO START UP, ADJUST AND CHECK FOR PROPER OPERATION ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT.

THIS CONTRACTOR SHALL ALLOW IN HIS INITIAL BID THE COST OF SERVICE ON ALL EQUIPMENT INSTALLED UNDER HIS CONTRACT FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF FINAL ACCEPTANCE OF THE WORK.

ALL WATER PIPING SHALL BE TESTED WITH WATER UNDER PRESSURE OF 100 PSI FOR 10 MINUTES, AND MADE TIGHT AT THIS PRESSURE.

ALL SOIL WASTE, AND VENT PIPING SHALL BE SUBJECT TO A HYDROSTATIC TEST OF NOT LESS THAN 10 FEET OF WATER COLUMN FOR 15 MINUTES BEFORE INSPECTION STARTS AND PROVEN TEST.

BEFORE TURNING PLUMBING SYSTEM OVER TO THE OWNER, CHLORINATE ALL DOMESTIC WATER PIPING FOR A PERIOD OF 24 HOURS. AFTER CHLORINATION HAS BEEN COMPLETED, FLUSH ALL PIPING UNTIL WATER RUNS CLEAR AND IS RESIDUAL CHLORINE FREE.

ALL BELOW GROUND WASTE & VENT PIPING SHALL BE SCHEDULE 40 PVC. THE MINIMUM DIAMETER FOR UNDERGROUND WASTE PIPING IS FOUR 4) INCHES. THE MINIMUM DIAMETER FOR ALL UNDERGROUND VENT PIPING IS TWO (2) INCHES ALL ABOVE GROUND WASTE AND VENT PIPING SHALL BE SCHEDULE 40 PVC. PVC IN PLENUM CELLINGS SHALL UTILIZE PLENUM WRAF MEETING THE 2050 DEPOLIDEMENTAL OF THE PIPING SHALL BE SCHEDULE 40 PVC. PVC IN PLENUM CELLINGS SHALL UTILIZE PLENUM WRAF MEETING THE 2050 DEPOLIDEMENTAL OF THE PROPERTY OF TH

THE PLUMBING SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH THE STATE OF WISCONSIN ADMINISTRATIVE CODE,

### SHEET INDEX - PLUMBING

P000 PLUMBING COVER SHEET P001 PLUMBING SCHEDULES P100 PLUMBING UNDERFLOOR PLAN - DWV

P100 PLUMBING UNDERFLOOR PLAN - DWV P101 PLUMBING FIRST FLOOR PLAN - DWV

P102 PLUMBING ROOF PLAN - DWV P110 PLUMBING UNDERFLOOR PLAN - WATER P111 PLUMBING FIRST FLOOR PLAN - WATER

P200 PLUMBING RISER DIAGRAMS P300 PLUMBING DETAILS CREEK EBERLI

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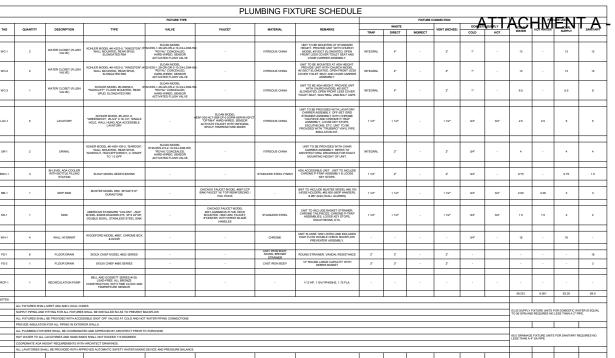


CITY OF MADISON

DOOR CREEK PARK SHELTER

MADISON, WI 53703

PLUMBING COVER SHEET



					PLU	MRING FIX	TURE SCHEDULE	=									
				FIXTURE TYPE						FIXTURE 0	ONNECTION		TT	$\Lambda$	□ N •#	TURE UNIT	r
TAG	CHANTITY	DESCRIPTION	TYPE	VALVE		FAUCET MATERIAL REMARKS WASTE					VENT (INCHES)	DOM:S1	SUBPLY				SANITAS
TAG	QUANTITY	DESCRIPTION	TYPE	VALVE	PAUCET	MATERIAL	REMARKS	TRAP	DIRECT	NDIRECT	VENT (INCHES)	COLD	нот	WATER	HOT WATER	SUPPLY	SANITAS
WC-1	2	WATER CLOSET (FLUSH VALVE)	KOHLER MODEL #K-4323-0, "KINGSTON", # WALL MOUNTED, REAR SPUD, ELONGATED RIM	SLOAN MODEL 52-ESS-1.25-GR-OR-2-10-3/4-LDIM-HI 900YAL* CONCEALED, HARD-WIRED, SENSOR ACTIVATED FLUSH VALVE		VITREOUS CHINA	UNIT TO BE MOUNTED AT STANDARD HEIGHT. PROVIDE UNIT WITH CHURCH MODEL 92195CT ELONGATED, OPEN FRONT LESS GOVER TOLLET SEAT AND CHAIR CARRIER ASSEMBLY.	INTEGRAL	4"		r	r	-	13		13	12
WC-2	2	WATER CLOSET (FLUSH VALVE)	KOHLER MODEL #K-023-0, "KINGSTON", # WALL MOUNTED, REAR SPUD, ELONGATED RIM	SLOAN MODEL 52-ESS-1-28-GR-0R-2-10-3/4-LDIM-HI 780YAL* CONCEALED, HARD-WIRED, SEMSOR ACTIVATED FLUSH VALVE		VITREOUS CHINA	UNIT TO BE MOUNTED AT ADA HEIGHT. PROVIDE UNIT WITH CHURCH MODEL 82155CT ELONGATED, OPEN PRONT LESS COVER TOLET SEAT AND CHAR CARRIER ASSEMBLY.	INTEGRAL	4"	-	r	r	-	13		13	12
WC-3	1	WATER CLOSET (FLUSH VALVE)	KONLER MODEL #K-98058-0, # "HIGHCLIFF", FLOOR MOUNTED, REAR SPUD, ELONGATED RIM	SLOAN MODEL 152-ESS-1 25-GR-OR-2-10-3/4-LDM-HI 7ROYAL* CONCEALED, HARD-WIRED, SENSOR ACTIVATED FLUSH VALVE	· -	VITREOUS CHINA	UNIT TO BE ADA HEIGHT, PROVIDE UNIT WITH CHURCH MODEL \$2155CT ELONGATED, OPEN FRONT LESS COVER TOILET SEAT, WAX RING, AND BOLT CAPS.	INTEGRAL	4"		r	r	-	6.5		6.5	6
LAV-1	5	LAVATORY	NONLER MODEL #K-2031-0, "GREENWICH", 20-34" X 16-14", SINGLE HOLE, WALL HANG AND ACCESSIBLE LAVATORY	- '	SLOAN MODEL  SLOAN MODEL  FEAT-200-HLT-ISM-CP-0 SGPM-AER-IR-IGFGT  OPTRIAT HARD-WIRED, SENSOR  ACTIVATE FAUDET WITH INTEGRAL  SPOUT TEMPERATURE MIXER	VITREOUS CHINA	UNIT TO BE PROVIDED WITH LAWATORY CAPPER ASSEMBLY, OFF-SET GRID STRANGER ASSEMBLY WITH CHROME TARPIECE AND CHROME F-TRAP ASSEMBLY, LODGE KEY STOPE, ESCUTHEONS, ETC. UNIT TO BE PROVIDED WITH TRUBEROY WINL PIPE INSULATION KIT.	1 1/2"	1 1/2"	÷	1 1/2"	2/4"	3/4"	2.5	2.5	5	5
UR-1	2	URINAL	KOHER MODEL #K-4991-ER-0, "BARDON", WALL MOUNTED, REAR SPUD, WASHOUT, HIGH-EFFICIENCY, 0. 129GPF TO 1.0 GPF	SLOAN MODEL #195-EES-0-52-10-3V-LDIM-HW, "ROYAL"CONCEALED, HARD-WRED, SENSOR ACTIVATED FLUSH VALVE	-	VITREOUS CHINA	UNIT TO BE PROVIDED WITH CHAIR CARRIER ASSEMBLY, REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT OF UNIT.	INTEGRAL	r	-	r	34"	-	4	-	4	4
BWC-1	3	BI-LEVEL ADA COOLER WITH BOTTLE FILLING STATION	ELKAY MODEL #EZSTLEWSSK	-	-	STAINLESS STEEL FINISH	ADA ACCESSIBLE UNIT. UNIT TO INCLUDE CHROME P-TRAP ASSEMBLY & LOOSE KEY STOPS.	1 1/2"	r	-	r	34"	-	0.75	-	0.75	1.5
MB-1	1	MOP SINK	MUSTEE MODEL 65M, 36"XQ4"X10" DURASTONE	-	CHICAGO FAUCET MODEL #897-CCP SINK FAUCET W/ TOP REINFORCING / PAIL HOOK	-	UNIT TO INCLUDE MUSTEE MODEL #65.700 (HOSE HOLDER): #65.000 (MOP HANGER); & #67.2424 (WALL GUARDS)	1 1/2"	1 1/2"	-	1 1/2"	34*	3/4"	2.00	2.00	3	3
ICS-1	1	SINK	AMERICAN STANDARD "COLONY - ADA" MODEL #22DB 83322835.075, 33"X 22"36", DOUBLE BOWL, STAINLESS STEEL SINK	-	CHICAGO FAUCET MODEL #201-AGRABASS-S17AB, DECK MOUNTED, HIGH ANC FAUCET, 8'CENTER, WITH WRIST BLADE HANDLES	STAINLESS STEEL	UNIT TO INCLUDE BASKET STRAINER, CHROME TAILPIECES, CHROME P-TRAIP ASSEMBLIES, LOOSE KEY STOPS, ESCUTHEONS, ETC.	1 1/2"	1 1/2"	-	1 1/2"	34*	3/4"	1.5	1.5	2	2
WH-1	4	WALL HYDRANT	WOODFORD MODEL #B67, CHROME BOX & DOOR		-	CHROME	UNIT IS ASSE 1052 LISTED AND INCLUDES HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER ASSEMBLY.	-		-		34"	-	16	-	16	-
FD-1	6	FLOOR DRAIN	SIOUX CHIEF MODEL #632 SERIES			NICKEL BRONZE STRAINER	ROUND STRAINER, VANDAL-RESISTANCE	2"	2"		r						15
FD-2	,	FLOOR DRAIN	SIOUX CHIEF #850 SERIES			CAST IRON BODY	12' ROUND LARGE CAPACITY WITH	3"	3"		r	-					3
							DEBRIS BASALI		_	<b>-</b>			-	+	_		
			BELL AND GOSSETT SERIES #100.					_	_	-	_		-	_	_	_	
RCP-1	1	RECIRCULATION PUMP	BELL AND GOSSETT SERIES #100, LEAD-FREE, ALL BROOKE CONSTRUCTION, WITH TIME CLOCK AND TEMPERTURE SENSOR.	·		-	1/12 HP, 115W1PH/60HZ, 1.75 FLA	-		-	-	-	-	-	-	-	
		1						l						59.251	6.001	63.25	66.5
OTES:														1			
		L MEET ADA AND LOCAL CO												J			
	SUPPLY PIPING AND	FITTING FOR ALL FIXTURES	S SHALL BE INSTALLED SO AS TO PREVENT B	BACKFLOW	·		·							TO 55 GPM AN	PIXTURE UNITS I D REQUIRES NO	FOR DOMESTIC W. LESS THAN A 2" P	ITER IS EQUAL PE.
	ALL FIXTURES SHALL	L BE PROVIDED WITH ACCES	SSIBLE SHUT OFF VALVES AT COLD AND HO	T WATER PIPING CONNECTIONS													
	PROVIDE INSULATIO	N FOR ALL PIPING IN EXTER	NOR WALLS.														
	ALL PLUMBING FIXT	JRES SHALL BE COORDINAT	TED AND APPROVED BY ARCHITECT PRIOR T	TO PURCHASE.													
	HOT WATER TO ALL	LAVATORIES AND HAND SIN	eks shall not exceed 110 degrees.											66.5 DRANAGI LESS THAN A	FIXTURE UNITS	S FOR SANITARY R	EQUIRES NO
_														1			

WATER CALCULATION WORKSHEET FOR:

CALCULATE WATER SERVICE PRESSURE LOSS

Pressure at controlling fixture.

A. Pressure available for uniform loss

INFORMATION REQUIRED TO CALCULATE WATER SERVICE SIZE Demand of building in building in gallons per minute.

Difference in elevation from main or external pressure tank to building control valve. 3. Size of water meter (When applicable) \$\Bigsigmu 5/8", \$\Bigsigmu 3/4", \$\Bigsigmu 1", \$\Z 13/2", \$\Bigsigmu 2", \$\Bigsigmu 3", \$\Bigsigmu 4", \$\Bigsigmu 6". Developed length from main or external pressure tank to building control valve. Low pressure at main in street or external pressure tank.

Available pressure after the bldg. control valve. (Subtract or add line 8. Enter in "B".) subtotal \_\_49.52\_

Pressure at controlling fixture.
(Controlling fixture is Water Closet )
(Subtract the value of D.) subtotal 25.52

(Water distribution piping material is Type "K" Copper Multiply by subtotal 100

6. Low pressure at main in street or external pressure tank. (value of #5 above) 
 Water service diameter is:
 6" building
 Material is:
 Decide from

 Pressure loss per 100 ft =
 0.3 psi. X
 5.26 (decimal equivalent of service length is, 65ft = 0.65)

CALCULATE THE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF "A")

B. Available pressure after the bldg. Control valve. (from "9" above) C. Pressure loss of water meter (when meter is required)

Difference in elevation between the building control valve and the controlling fixture in feet 2.5 X 0.434 psi/ft.

Pressure loss due to water treatment devices, instantaneous water heaters and backflow preventers which serve the

Developed length from building control valve to controlling fixture in feet \_\_\_\_\_90\_\_\_X 1.5

Door Creek Park Shelter, Madison, Wis

(Subtract line 7. From line 6.) subtotal \_\_\_53.42\_\_

(Subtract line C. from line B..) subtotal 45.52

(Subtract the value of E.) subtotal 24.44

"A" =

(psig) \_\_\_\_55

value of "8" \_\_\_\_\_3.90 \_\_\_

Value of "B" 49.52

Value of "C" 4.00

Value of "D" 20.00

Value of "E" \_\_\_\_1.09

Value of "F" \_\_\_10.00 (Subtract the value of F.) subtotal 14.44

Value of "G" \_\_135.00\_ (Divide by the value of G.) 0.11

10.69

WSFU's 63.3



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No.	Description	Date

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DOOR CREEK PARK SHELTER

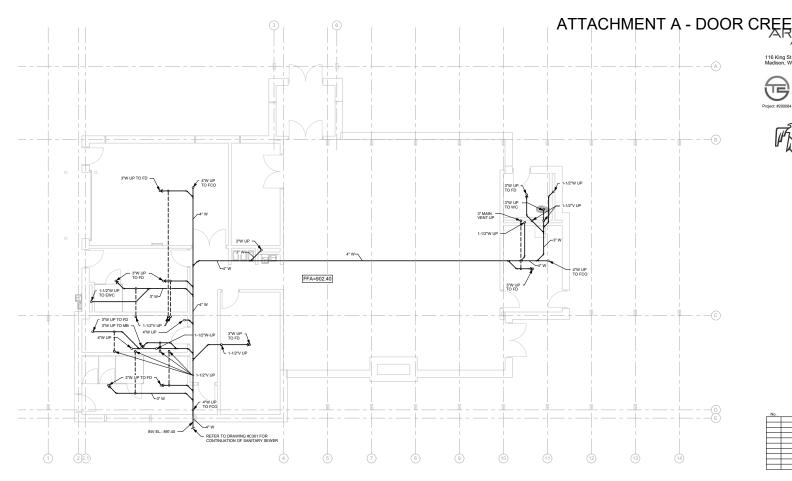
MADISON, WI 53703

**PLUMBING SCHEDULES** 

CONSTRUCTION DOCUMENTS	
Project number	MSN-20-01
Date	10/31/2022

				EL	ECTRIC	WATE	R HE	ATER S	SCHEDU	JLE						
				GENERAL							HEATING		ELE	CTRICAL		
EQUIPMENT TAG	LOCATION	MANUFACTURER	MODEL	UNITTYPE	CAPACITY	WEIGHT		DIMENSIONS (NO	CHES)	INPUT (KW)	RECOVERY CAPACITY @ 100"	MCA	МОСР	PHARE	VOLTS	NOTES
EQUIPMENT ING	LUCKION	manufactures.		CMITTIFE.	(GALLONS)	(LBS.)	DIAJD	w	HEIGHT	atroi (im)	RISE			711000	VAC.13	
EWH-1	RM. #105	LOCHINVAR	JRJ0206'S	ELECTRIC	20	68	18"	-	24-34"	1.5	8.0	-	-	- 1	120	123,4
EWH-2	RM, #110	EEMAX	HA013240	ELECTRIC	-	5	3.75"	8"	11.5"	13	2-2.5 GPM			3	205	123
EWH-3	PM.#111	EEMAX	JRU010CS	ELECTRIC		5	3.75"	8"	11.5"	13	0.3-2.2 GPM	-	-	3	208	123
NOTES	1. UNIT DIMENSIONS DOES	NOT INCLUDE ASSOCIATED	BRACKETS AND PIPE	6G			3 UNIT SHAL	L BE MANUFACTU	URED FOR A MINIMU	M OF 150 PSI						
	2. PROVIDE UNIT MOUNTED	D DISCONNECT					4. UNIT SHAL	L BE PROVIDED V	WITH SHELF ASSEM	BLY WITH BRAC	KETS,ETC.					

	EXPANSION TANK SCHEDULE								
FOURMENT TAG	LOCATION	MANUFACTURER	MODEL	CAPACITY	WEIGHT	DIMENSION	NS (NCHES)		
EQUIPMENT ING	LOURISM	BAND ALTUNEA		(GALLONS)	(LBS.)	DIAMETER	HEIGHT		
DXT-1	EWH-1	WATTS	PLT-5	2.1	5.5	8	11.00		



1 UNDERFLOOR PLUMBING PLAN - DWV

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THUNDERBIRD

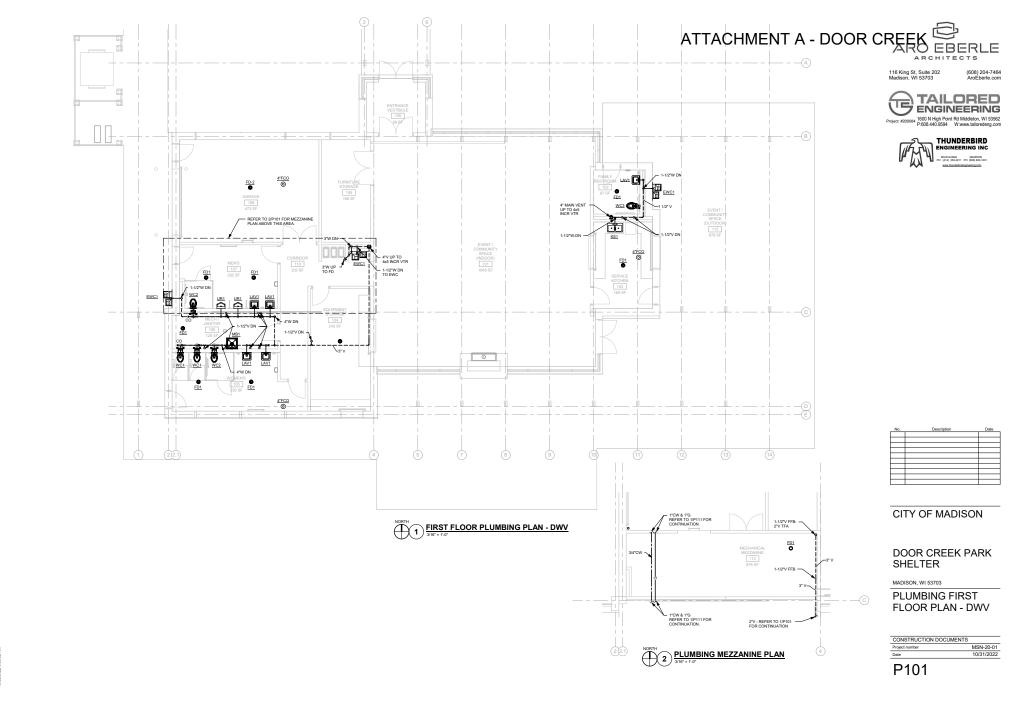
CITY OF MADISON

DOOR CREEK PARK SHELTER

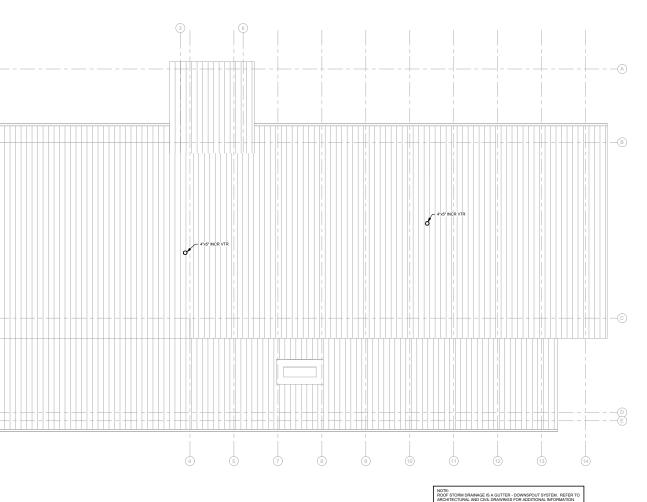
MADISON, WI 53703

**PLUMBING** UNDERFLOOR PLAN - DWV

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022



# ATTACHMENT A - DOOR CREE



PLUMBING ROOF PLAN - DWV

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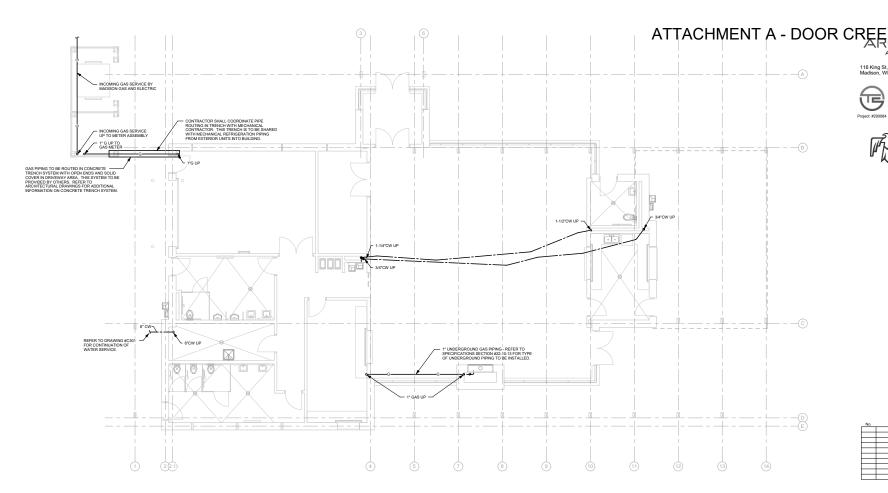
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PLUMBING ROOF PLAN - DWV

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022



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THUNDERBIRD

 $\underbrace{1}^{\text{NJR1H}} \underbrace{1}^{\text{PLUMBING UNDERFLOOR PLAN - WATER}}_{3/16' = 1'0'}$ 

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**PLUMBING** UNDERFLOOR PLAN - WATER

CONSTRUCTION DOCUMENTS MSN-20-01 10/31/2022

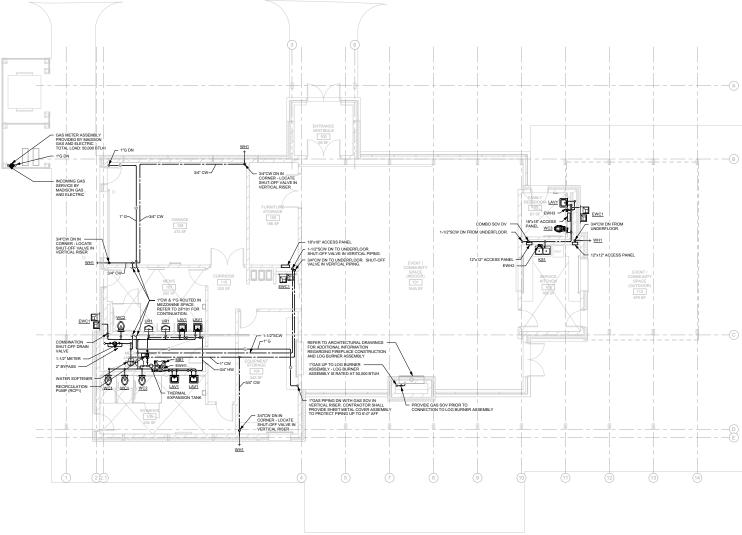
# ATTACHMENT A - DOOR CREEK EBERLE



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PLUMBING FIRST FLOOR PLAN -WATER

 CONSTRUCTION DOCUMENTS

 Project number
 MSN-20-01

 Date
 10/31/2022

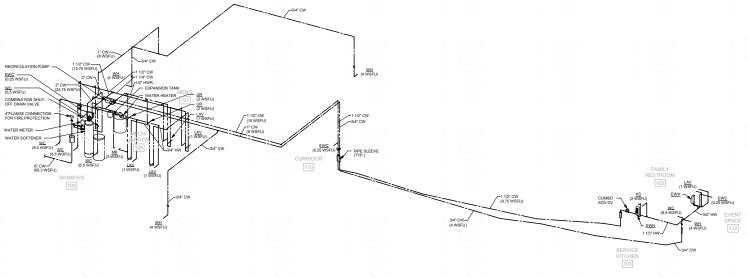
# ATTACHMENT A - DOOR CREEK EBERLE



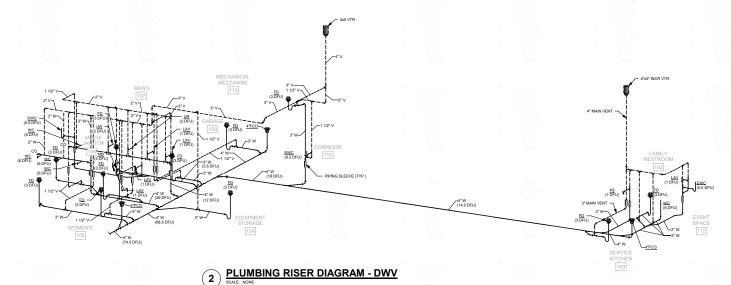
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### 1 PLUMBING RISER DIAGRAM - DOMESTIC WATER



No. Description Date

CITY OF MADISON

DOOR CREEK PARK SHELTER

MADISON, WI 53703

PLUMBING RISER DIAGRAMS

CONSTRUCTION	ON DOCUMENTS
Project number	MSN-20-0
Date	10/31/202

# CW BUPPLY FRUITS FRU

WATER HEATER DETAIL
SCALE: NONE

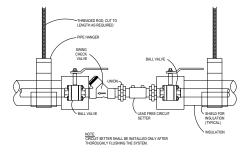


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2 HOT WATER RETURN DETAIL
SCALE: NONE

(3) INSULATED PIPIE SUPPORT DETAIL
SOME NONE

CLEVIS HANGER

PIPE INSULATION

THREADED HANGER ROD

PIPE INSULATION

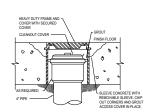
-12 GAUGE GALVANIZED

SECTION THRU

HOT/COLD WATER PIPING

HANGER

INSULATION INSERT (CALCIUM SILICATE OR MOLDED FIBERGLASS) BETWEEN PIPING AND FINISHING JACKET - MINIMUM 6" LONG



STEEL SUPPORT CHANNEL

FLEXIBLE ELASTOMER

CAP SCREW

SIGNATION SPOOTS
PORT REPORT OF PRINCIPAL AGE
PPING
PP

4 INTERIOR CLEANOUT DETAIL
SCALE: NONE

5 ISOLATION SUPPORT DETAIL
SCALE: NONE

- WALLIFLOOR LINE - FLOOR DRAIN 6 PIPE SUPPORT DETAIL



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P300

PLUMBING DETAILS

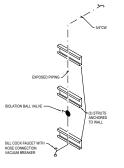
CONSTRUCTION DOCUMENTS	
Project number	MSN-20-01
Date	10/31/2022



BY FPC -

4" FLANGE CONNECTION FOR FIRE PROTECTION

R\* INCOMING SERVICE -



8 HOSE BIBB DETAIL
SCALE: NONE