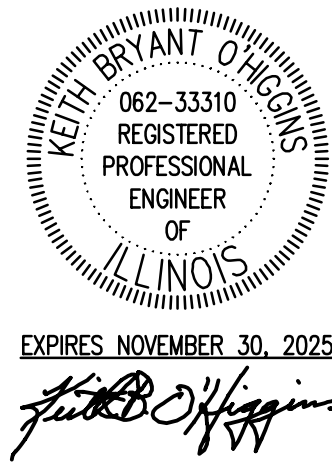




New Building

for
**Winnebago County
Forest Preserve**

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

1/8" = 1'-0"

Sheet Title

**FLOOR PLAN
VENTILATION**

Ref. North Sheet No.

M1.10

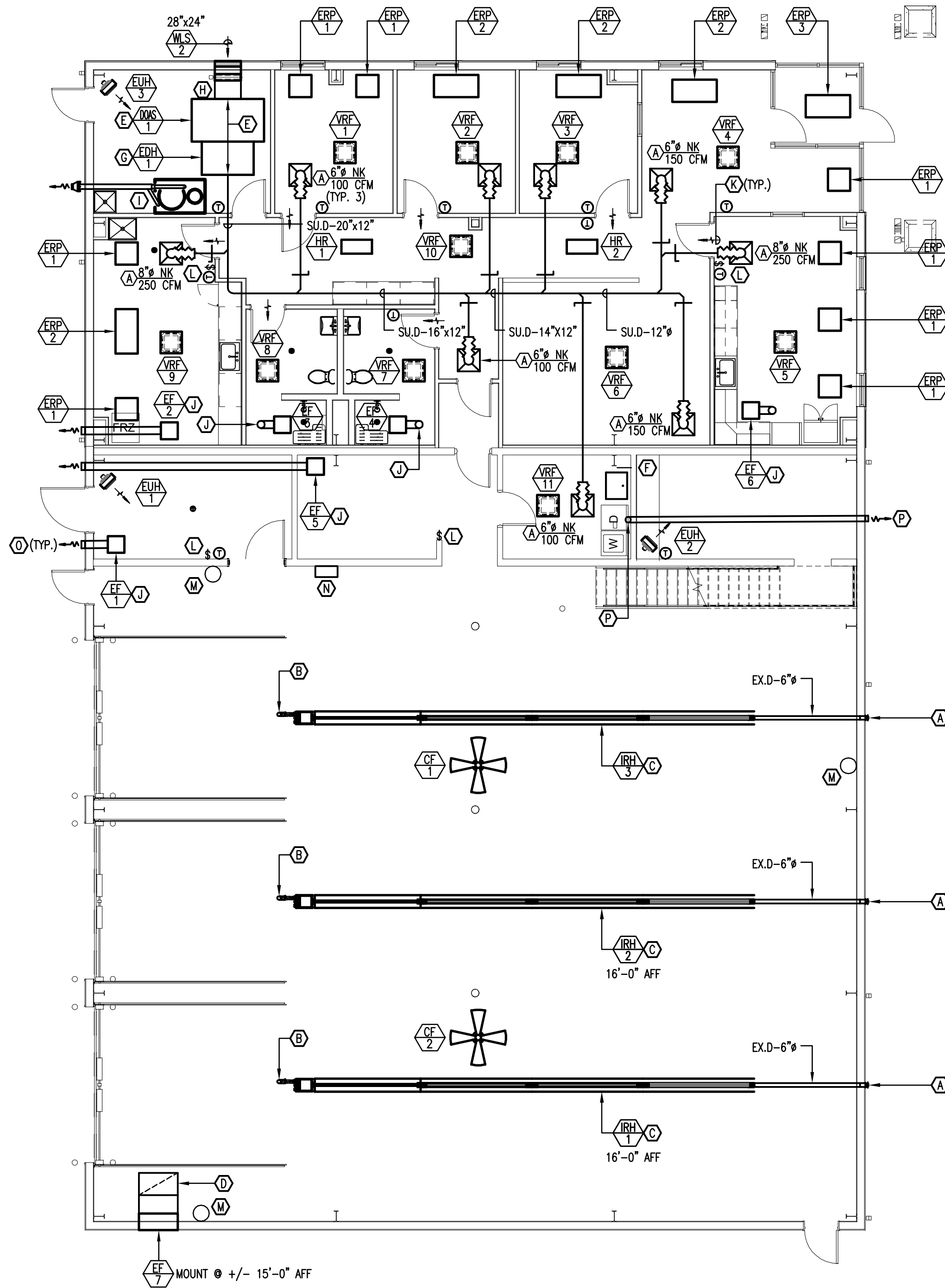
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

GENERAL NOTES

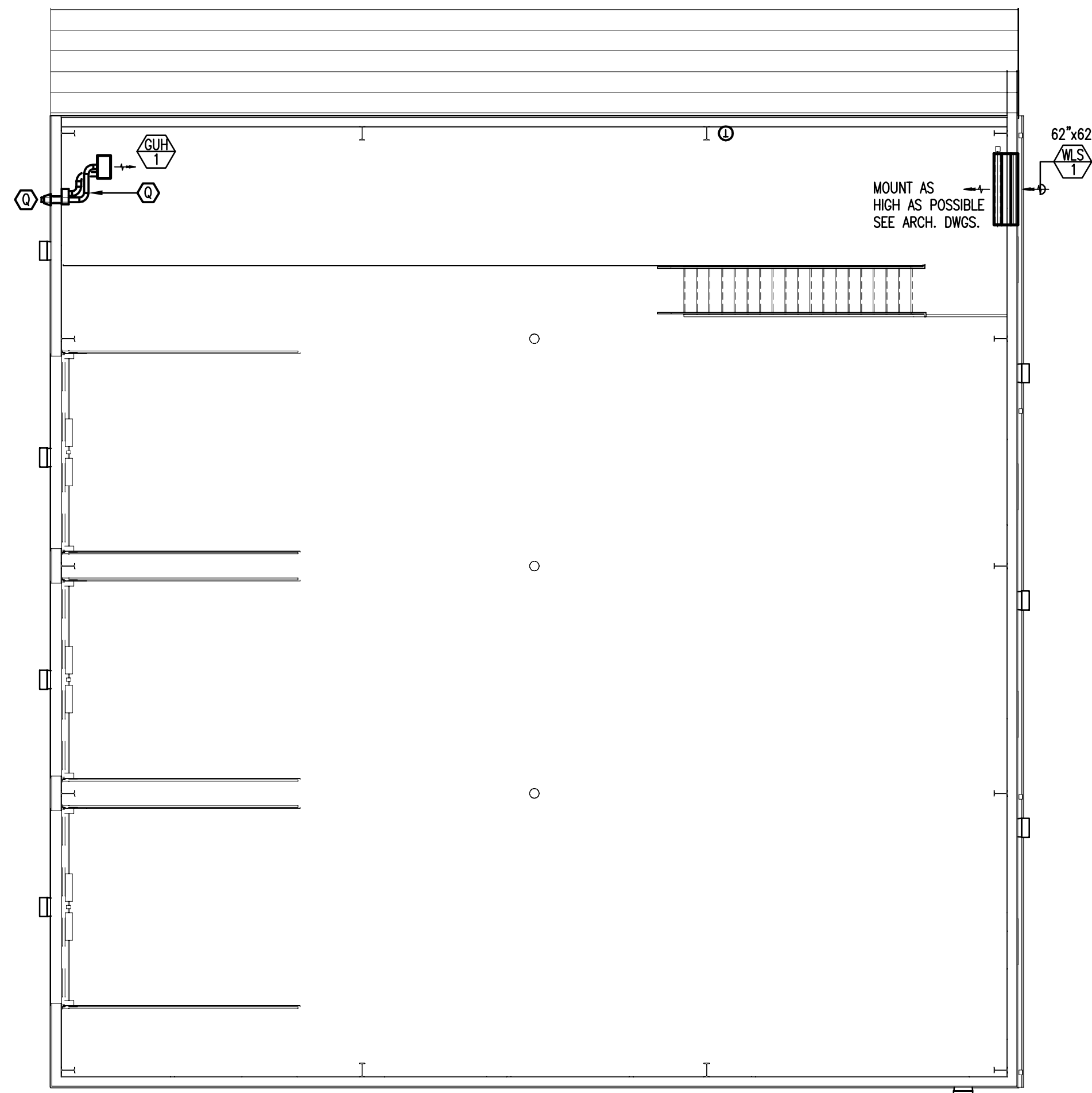
- ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES INCLUDING INTERNATIONAL MECHANICAL CODE – 2018 AND ALL RELATED LOCAL AMENDMENTS.
- ALL DUCTWORK SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH SMACNA AND ASHRAE STANDARDS.
- INSTALL TURNING VANES AT ALL RECTANGULAR ELBOWS. INSTALL MANUAL VOLUME DAMPERS AT ALL BRANCH DUCTWORK OFF OF DUCT MAINS AND IN EACH DUCT AFTER A BRANCH DUCT SPLIT.
- ALL PIECES OF EQUIPMENT THAT PRODUCE CONDENSATION (I.E. – FAN COIL UNITS, VRF UNITS, COOLING COILS, ETC.) SHALL BE PROVIDED WITH AN AUXILIARY CONDENSATE OVERFLOW DRAIN PAN OR A CONDENSATE OVERFLOW/CLOG FLOAT SWITCH THAT SHUTS DOWN THE UNIT UPON THE EVENT OF OVERFLOW/CLOG; PER IMC 307.2.3.
- ALL AIR INTAKES SHALL BE MINIMUM 10'-0" AWAY FROM ANY EXHAUST DISCHARGE, PLUMBING VENT, ETC.
- ALL ROOF MOUNTED EQUIPMENT INSTALLATION LOCATIONS SHALL BE COORDINATED BETWEEN ALL TRADES PRIOR TO INSTALLING.
- ALL EXTERIOR DUCTWORK INSULATION SHALL HAVE A MINIMUM R-12 VALUE WITH ALL SEAMS SEALED AIR/WATER TIGHT.
- ALL CEILING EQUIPMENT INSTALLATIONS SHALL BE COORDINATED WITH LIGHTING RCP AND ARCHITECTURAL RCP PLANS. LIGHTING TO TAKE PRECEDENCE. DO NOT INSTALL CEILING FANS BELOW LIGHTS.
- DUCTWORK TO BE INSTALLED IN JOIST SPACE WHEREVER POSSIBLE. COORDINATE WITH OTHER TRADES.

MECH. VENTILATION KEYED NOTES

- (A) WALL MOUNTED IRH EXHAUST AIR VENT. INSTALL PER MANUFACTURES REQUIREMENTS. SEE LARGE DETAILS.
- (B) ROOF MOUNTED IRH OUTDOOR AIR VENT WITH 6" INSULATED OUTDOOR AIR DUCTWORK. INSTALL PER MANUFACTURERS REQUIREMENTS. PROVIDE 18" HIGH ROOF CURB. SEE LARGE SCALE DETAILS. INSULATED OUTDOOR AIR DUCTWORK PER THE SPECIFICATIONS. EXTEND 3'-0" ABOVE ROOF.
- (C) COORDINATE IRH HEIGHT WITH ARCHITECT/OWNER/ENGINEER.
- (D) EXHAUST AIR DUCTWORK 42"x24" DROP CLOSE TO WALL. TERMINATE 12" ABOVE FINISHED FLOOR (ANGLED) WITH BIRD SCREEN. SEE LARGE SCALE DETAIL.
- (E) SUSPEND DOAS UNIT WITH THREADED RODS AND ISOLATORS. PROVIDE FLEXIBLE CONNECTIONS ON EACH INLET/OUTLET.
- (F) FIRE DAMPER AT WALL (TYP.)
- (G) MOUNT ELECTRIC COIL TO DOAS UNIT. INTERLOCK WITH AIRFLOW SWITCH, OUTDOOR AIR DAMPERS AND DOAS UNIT.
- (H) OUTDOOR AIR DUCTWORK AND DAMPER. SEE SEQUENCE OF OPERATION.
- (I) HOT WATER HEATER BY PLUMBING CONTRACTOR. 4" CPVC DIRECT VENT AND AIR INLET FROM HOT WATER HEATER TO BUILDING EXTERIOR. TERMINATE PER MANUFACTURERS RECOMMENDATION. PROVIDE THRU-THE-WALL CONCENTRIC VENT KIT. VERIFY REQUIREMENTS WITH PLUMBING CONTRACTOR. VERIFY SIZE AND ROUTING IN FIELD.
- (J) CEILING MOUNTED EXHAUST FAN. EXTEND DISCHARGE FULL TO WALL WITH WALL CAP OR ROOF WITH GOOSENECK. SEE FLOOR PLANS. SEE EXHAUST FAN SCHEDULE FOR CONTROL.
- (K) PROVIDE 1" DOOR UNDERCUT. COORDINATE WITH ARCHITECTURAL DRAWINGS.
- (L) WALL MOUNTED SWITCH WITH PILOT LIGHT TO CONTROL FAN.
- (M) CO/NO2 SENSOR. INTERLOCK WITH EXHAUST FAN AND INTAKE DAMPER.
- (N) PROVIDE GAS DETECTION AND CONTROL SYSTEM TO MAINTAIN BREATHING ZONE LEVELS BELOW OSHA TOXIC EXPOSURE LIMITS. SYSTEM TO HAVE DUAL CO (GASOLINE ENGINE) AND NO2 (DIESEL ENGINE) SENSING CONTROLLERS. EACH CONTROLLER TO HAVE SETPOINTS PER GAS TYPE FOR VENT "ON", AND A SEPARATE SETPOINT FOR ALARM. COORDINATE POWER WITH ELECTRICAL CONTRACTOR. ALL PROGRAMMING/DISPLAY TO BE THROUGH INTEGRAL LCD DISPLAY. HORN AND ALARM LIGHT TO BE PANEL FACE MOUNTED. CONTRACTOR TO PROVIDE FULL FUNCTIONAL TEST AT THE TIME OF START UP USING PROPER TRACE GAS TO DISURE INTERLOCKED VENTILATION TRIGGERS AT THE CORRECT SETPOINT. PROVIDE OWNER TRAINING AND TEST REPORT TO OWNER AT TIME OF ACCEPTANCE. SYSTEM TO BE TOXALERT TSM-02-2 OR APPROVED EQUAL.
- (O) EXHAUST WALL CAP.
- (P) 4" DRYER EXHAUST. SEE LARGE SCALE DETAIL.
- (S) SS FLUE COLLECTOR FOR GAS-FIRED UNIT HEATER WITH OUTDOOR AIR INTAKE AND CONCENTRIC VENT.

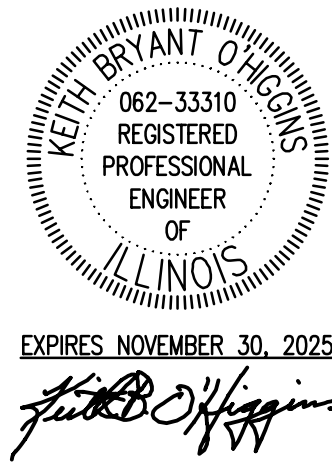


Floor Plan - Ventilation
1/8" = 1'-0"



Mezzanine Plan - Ventilation
1/8" = 1'-0"





New Building

for
Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

BA Project No. 2025-09

Scale

1/8" = 1'-0"

Sheet Title
**FLOOR PLAN
PIPING**

Ref. North Sheet No.

M1.20

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

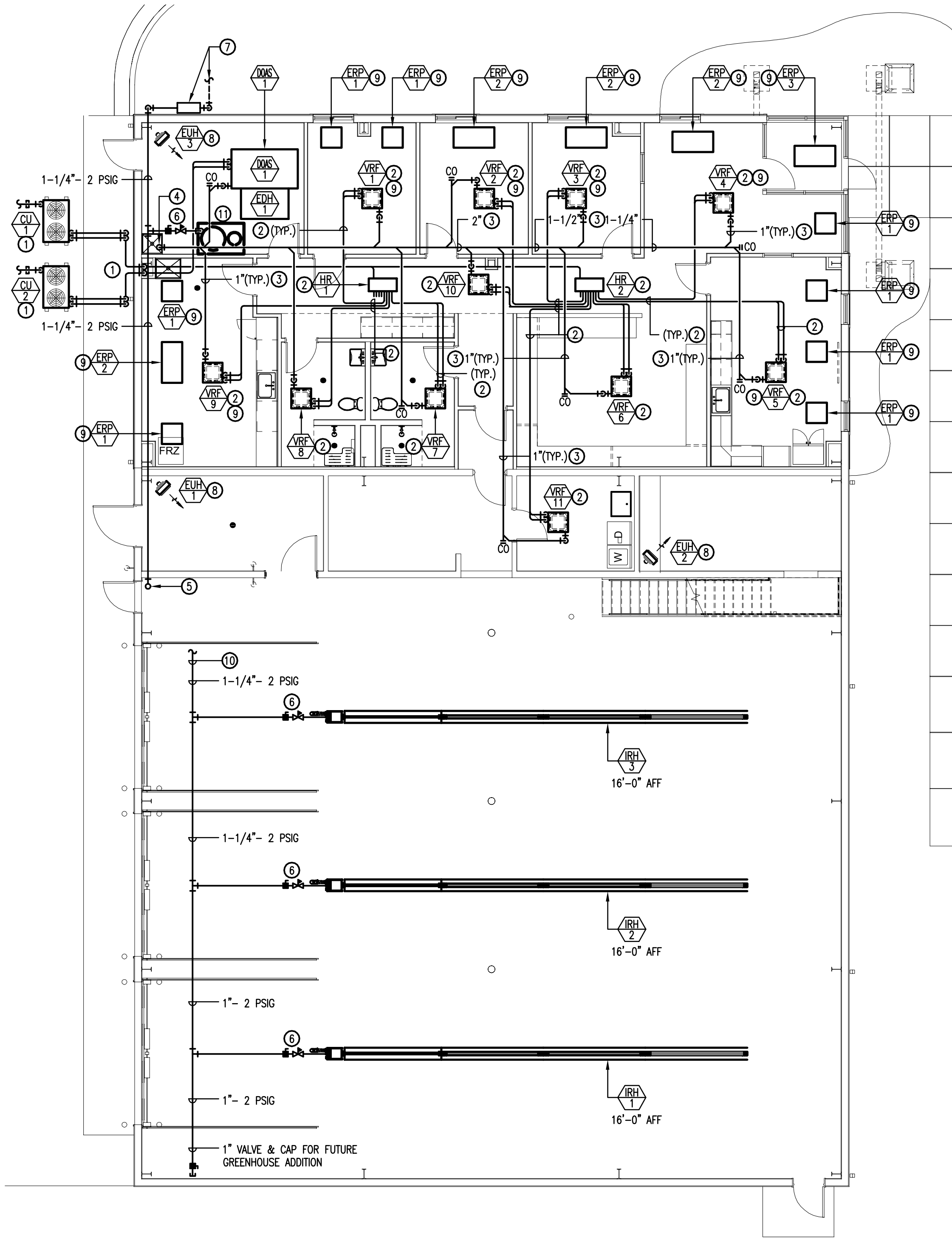


GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN A CLEAN AND WORKMANLIKE MANNER.
- ALL WORK SHALL CONFORM TO ALL APPLICABLE CODES INCLUDING INTERNATIONAL MECHANICAL CODE - 2018 AND ALL RELATED LOCAL AMENDMENTS.
- ALL DUCTWORK SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH SMACNA AND ASHRAE STANDARDS.
- INSTALL TURNING VANES AT ALL RECTANGULAR ELBOWS. INSTALL MANUAL VOLUME DAMPERS AT ALL BRANCH DUCTWORK OFF OF DUCT MAINS AND IN EACH DUCT AFTER A BRANCH DUCT SPLIT.
- ALL PIECES OF EQUIPMENT THAT PRODUCE CONDENSATION (I.E. - FAN COIL UNITS, VRF UNITS, COOLING COILS, ETC.) SHALL BE PROVIDED WITH AN AUXILIARY CONDENSATE OVERFLOW DRAIN PAN OR A CONDENSATE OVERFLOW/CLOG FLOAT SWITCH THAT SHUTS DOWN THE UNIT UPON THE EVENT OF OVERFLOW/CLOG; PER IMC 307.2.3.
- ALL AIR INTAKES SHALL BE MINIMUM 10'-0" AWAY FROM ANY EXHAUST DISCHARGE, PLUMBING VENT, ETC.
- ALL ROOF MOUNTED EQUIPMENT INSTALLATION LOCATIONS SHALL BE COORDINATED BETWEEN ALL TRADES PRIOR TO INSTALLING.
- ALL EXTERIOR DUCTWORK INSULATION SHALL HAVE A MINIMUM R-12 VALUE WITH ALL SEAMS SEALED AIR/WATER TIGHT.
- ALL CEILING EQUIPMENT INSTALLATIONS SHALL BE COORDINATED WITH LIGHTING RCP AND ARCHITECTURAL RCP PLANS. LIGHTING TO TAKE PRECEDENCE. DO NOT INSTALL CEILING FANS BELOW LIGHTS.
- DUCTWORK TO BE INSTALLED IN JOIST SPACE WHEREVER POSSIBLE. COORDINATE WITH OTHER TRADES.

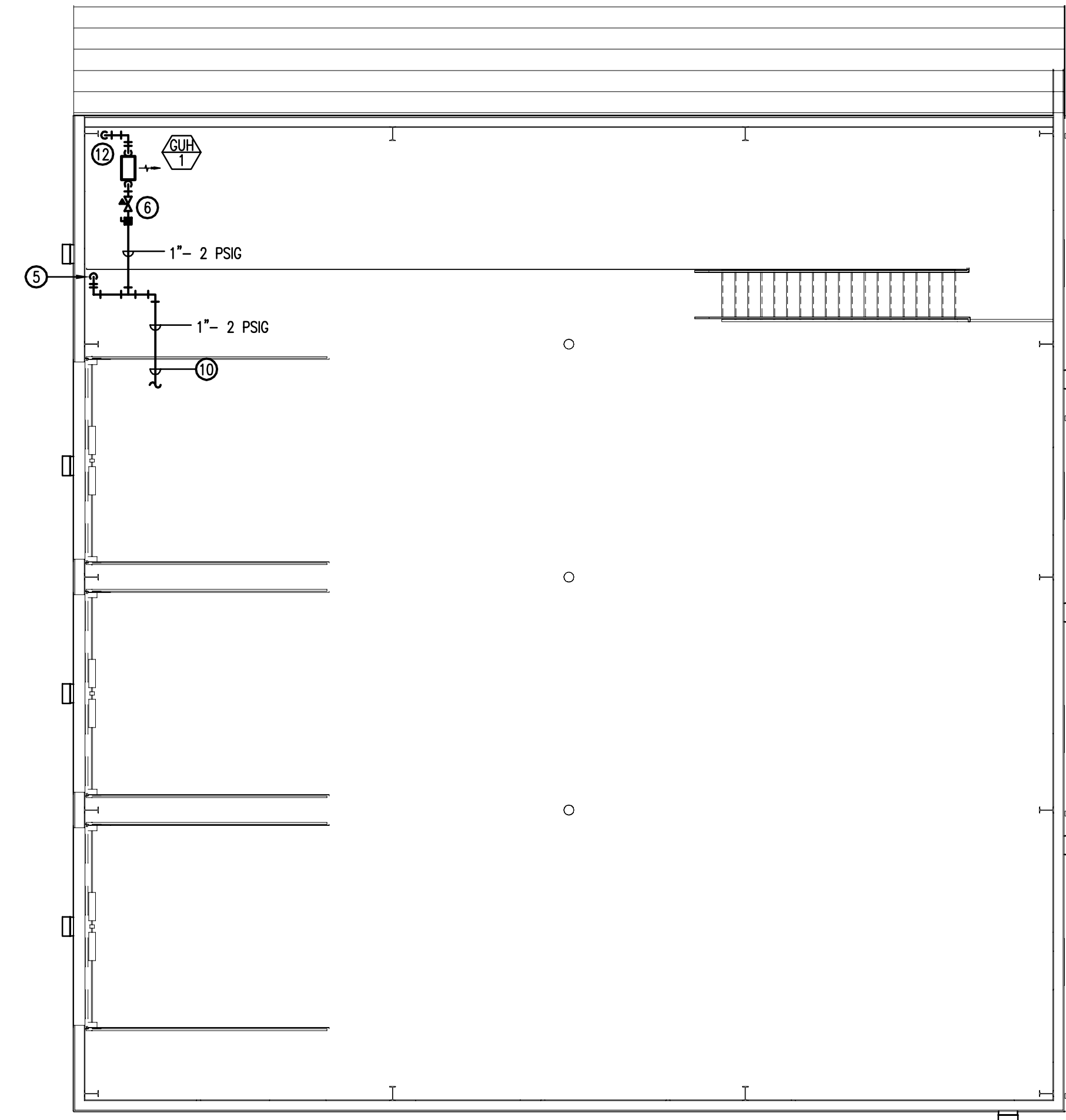
MECHANICAL PIPING KEYED NOTES

- PROVIDE AND INSTALL GROUND MOUNTED CONDENSING UNIT (CU) ON MINIMUM 18" HIGH STAND WITH 3/4" WAFFLE PADS AT ALL FOUR CORNERS. SEE LARGE SCALE DETAILS FOR ADDITIONAL REQUIREMENTS. PROVIDE NEW REFRIGERANT PIPING TO RUN TO/FROM AIR COOLED CONDENSER AND INDOOR VRF UNIT(S) (VRF). DOAS (DOAS) UNIT AND/OR HEAT RECOVERY UNIT(S) (HRU). FIELD VERIFY PIPE ROUTING AND PIPE SIZES WITH EQUIPMENT UNIT MANUFACTURER. PROVIDE 1-1/2" DRAIN WITH TRAP. VERIFY ROUTING IN FIELD. SEE VRF DIAGRAMS FOR ADDITIONAL PIPING REQUIREMENTS AND PIPING CONFIGURATION.
- VRF UNIT AND ASSOCIATED HRU: PROVIDE REFRIGERANT PIPING TO RUN TO/FROM HR UNITS AND INDOOR UNITS. PROVIDE TRAP AND 1" INSULATED CONDENSATE PIPE FROM UNIT. RISE CONDENSATE OFF OF UNIT AND RUN CONDENSATE PIPE AS HIGH AS POSSIBLE. SUSPEND UNIT FROM STRUCTURE (BEAM/JOIST) WITH ISOLATORS. PROVIDE ADDITIONAL SUPPORTS AS REQUIRED BY FIELD CONDITIONS. FIELD VERIFY PIPE ROUTING AND PIPE SIZES WITH UNIT MANUFACTURER. SEE VRF DIAGRAMS FOR ADDITIONAL PIPING REQUIREMENTS AND PIPING CONFIGURATION. FIELD LOCATE ALL HRU'S AND COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.
- RUN INSULATED CONDENSATE AS HIGH AS POSSIBLE. SEE PLANS FOR PIPE SIZES (TYP.).
- INSULATED CONDENSATE DROP IN ROOM TO JANITORS SINK, FLOOR SINK AND/OR FLOOR DRAIN. SEE FLOOR PLANS FOR SIZE(S).
- GAS TO/FROM ABOVE. SEE PLANS FOR SIZES. SEE LARGE SCALE DETAILS FOR ADDITIONAL REQUIREMENTS.
- GAS COCK AND GAS PRESSURE REDUCING STATION. SEE LARGES SCALE DETAIL FOR ADDITIONAL REQUIREMENTS.
- GAS METER BY NICOR. COORDINATE PIPING AND PAD REQUIREMENTS WITH NICOR.
- MOUNT SUSPENDED UNIT AS HIGH AS POSSIBLE ABOVE FINISHED FLOOR WITH THREADED RODS AND ISOLATORS.
- SEQUENCE ELECTRIC RADIANT CEILING PANEL (ERCP) WITH ASSOCIATED VRF UNIT.
- SEE FLOOR/MEZZANINE PLAN FOR CONTINUATION.
- HOT WATER HEATER BY PLUMBING CONTRACTOR.
- PROVIDE 1-1/4" INSULATED CONDENSATE PIPE WITH TRAP FROM GAS-FIRED HEATER. EXTEND TO MOP SINK.



Floor Plan - Piping

1/8" = 1'-0"



Mezzanine Plan - Piping

1/8" = 1'-0"

FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\VA\305-A-1 - M2.10 - Mechanical - Schedules DATE PLOTTED: 10/24/2025 12:17 PM PLOTTED BY: CARL FUEGEL

ELECTRIC SUSPENDED UNIT HEATER SCHEDULE 																
GENERAL DATA						HEATING COIL DATA				FAN DATA		ELECTRICAL DATA				NOTES
TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL NUMBER	TYPE	KW	MBH	VOLT	PH	TYPE	CFM	RPM	HP	VOLT	PH	
 1	HERBICIDE 117	HERBICIDE 117	BERKO	HUHA320	SUSPENDED	3	10	208	1	PROP	350	1,600	1/100	208	3	1,2,3,4
 2	TOO ROOM 115	TOOL ROOM 115	BERKO	HUHA320	SUSPENDED	3	10	208	1	PROP	350	1,600	1/100	208	3	1,2,3,4
 3	UTILITIES 108	UTILITIES 108	BERKO	HUHA320	SUSPENDED	3	10	208	1	PROP	350	1,600	1/100	208	3	1,2,3,4
NOTES: 1. PROVIDE HORIZONTAL DEFLECTION LOUVERS FOR ALL UNITS. 2. PROVIDE REMOTE THERMOSTAT. 3. PROVIDE DISCONNECT SWITCH. 4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.																

ELECTRIC DUCT HEATER SCHEDULE																	
GENERAL DATA					COIL DATA						ELECTRICAL DATA						NOTES
TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL NUMBER	SIZE (IN.)	CFM	EAT (°F)	LAT (°F)	SP (IN.)	STAGES	TYPE	KW	AMPS	MOCp	VOLT	PH	
 1	UTILITIES 108	DOAS-1	LG	ZWOREHTRO2	49" X 17"	1,300	---	---	0.1	SCR	INLINE OPEN COIL	20.0	95.7	125	208	1	1,2
NOTES:																	
1. OVER-TEMPERATURE PROTECTION, TRANSFORMER, AIRFLOW SWITCH, DUCT TEMPERATURE SENSOR, HEATER BOX AND MOUNTING FLANGES.																	
2. INTERLOCK WITH DOAS UNIT. SCR CONTROLLER TO BE CONTROLLED BY BAS CONTRACTOR TO MAINTAIN 50°F (ADJ.) DURING OCCUPIED HEATING SEASON.																	
3. PROVIDE 2 @ 20" x 25" x 1" WASHABLE MESH FILTERS AND 2 @ 20" x 25" x 2" MERV 8 FILTERS WITH EXTRA SET.																	

GAS-FIRED LOW INTENSITY INFRARED HEATER SCHEDULE 										
GENERAL DATA					HEATER DATA			ELECTRICAL DATA		NOTES
TAG	LOCATION	MANUFACTURER	MODEL NUMBER	COMBUSTION TUBE LENGTH (FT)	INPUT (MBH)	OUTPUT (MBH)	GAS INLET PRESSURE (IN" W.C.)	VOLT	PH	
1	GARAGE 116	ROBERTS GORDON	CTH2V-100	40'	100	100	5"-12"	120	1	1,2,3,4,5,6,7,8,9,10,11,12
2	GARAGE 116	ROBERTS GORDON	CTH2V-100	40'	100	100	5"-12"	120	1	1,2,3,4,5,6,7,8,9,10,11,12
3	GARAGE 116	ROBERTS GORDON	CTH2V-100	40'	100	100	5"-12"	120	1	1,2,3,4,5,6,7,8,9,10,11,12
NOTES: 1. ALL HEAT EXCHANGER TUBING SHALL BE HEAT TREATED ALUMINIZED 16 GA. PAINTED TUBES ARE NOT ACCEPTABLE. 2. REFLECTORS SHALL COVER ALL TUBING WITHOUT ANY GAPS FOR SUSPENSION POINTS. ALL JOINTS SHALL BE TERMINATED WITH END CAPS. 3. HI EFFICIENCY REFLECTORS IN ACCORDANCE WITH AHRI 1330, AN IF FACTOR OF 14 OR GREATER. 4. EQUIPMENT SUPPLIER TO PROVIDE S.S. GAS LINE FLEX -36" WITH SHUT-OFF VALVE. 5. EQUIPMENT SUPPLIER SHALL PROVIDE EQUIPMENT TRAINING COVERING INSTALLATION, WIRING AND CONTROLS. 6. FACTORY AUTHORIZED REPRESENTATIVE SHALL PROVIDE A COMPLETE START-UP AND TRAINING. 7. PROVIDE LOW VOLTAGE PROGRAMMABLE THERMOSTATS. 8. GAS REGULATORS TO BE PROVIDED BY INSTALLING CONTRACTOR. 9. ELECTRICAL CONTRACTOR TO PROVIDE SERVICE SWITCH LOCATED NEAR EACH BURNER. 10. COMBUSTION AIR INTAKES ON ALL IR HEATERS. 11. MOUNTING HEIGHT TO BE 16'-20', VERIFY IN FIELD. 12. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.										

GAS FIRED UNIT HEATER SCHEDULE															
GENERAL DATA						HEATER DATA		FAN DATA		ELECTRICAL DATA				NOTES	
TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL NUMBER	TYPE	INPUT (MBH)	OUTPUT (MBH)	TYPE	CFM	RPM	HP	VOLT	PH		
 1	MEZZANINE 201	MEZZANINE 201	MODINE	PTC-55	SUSPENDED HORIZONTAL	55.0	51.15	PROP.	1,097	1,440	1/8	120	1	1,2,3,4,5	
NOTES:															
1. PROVIDE POWER VENT, DISCONNECT SWITCH, AND SPACE MOUNTED THERMOSTAT.															
2. PROVIDE SS FLUE COLLECTOR AND CONCENTRIC VENT KIT.															
3. PROVIDE ALL HANGERS, SUPPORTS, ETC. CONTRACTOR SHALL MOUNT PER MANUFACTURER RECOMMENDATIONS.															
4. TWO-STAGE GAS HEATER, 409 SS HEAT EXCHANGER, TOTALLY ENCLOSED MOTOR, VERTICAL LOUVERS, TURNDOWN NOZZLE(S) AND FAN GUARD.															
5. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.															

DIFFUSER, GRILLE AND REGISTER							NECK SIZE AIR QTY. (CFM) 
TAG	MANUFACTURER	MODEL NUMBER	TYPE	SERVICE	MATERIAL	MAXIMUM NC	NOTES
A	TITUS	TMS-AA	LAY-IN	SUPPLY	ALUMINUM	30	1
NOTES: 1. OFF-WHITE BAKED ENAMEL FINISH							

ELECTRIC RADIANT CEILING PANEL SCHEDULE													
GENERAL DATA							ELECTRICAL DATA					CONTROLS	NOTES
TAG	LOCATION/AREA SERVED	QUANTITY (FIELD VERIFY)	MANUFACTURER	MODEL NUMBER	WIDTH	LENGTH	WATTS	BTUH	VOLT	AMPS	PH		
	SEE PLANS	8	BERKO	CP378	24"	24"	375	1,279	208	1.8	1	SEQUENCE WITH VRF UNIT(S)	1,2,3,4,5,6
	SEE PLANS	5	BERKO	CP758	24"	48"	750	2,559	208	3.6	1	SEQUENCE WITH VRF UNIT(S)	1,2,3,4,5,6
NOTES: 1. VERIFY LAY-IN CEILING REQUIREMENTS. 2. COLOR BY ARCHITECT. 3. CONTROLLED BY REMOTE THERMOSTAT, SEE PLANS FOR CLARIFICATION. 4. BAS CONTRACTOR TO INTERLOCK WITH VRF UNIT. 5. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.													

CEILING FAN 													
TAG	LOCATION	MANUFACTURER	MODEL NUMBER	TYPE	QUANTITY	CFM	NO. OF BLADES	MIN. BLADE DIA. (IN.)	WEIGHT (LBS)	WATTS	AMPS	MOTOR VOLT/PH	NOTES
1	GARAGE 116	LEADING EDGE	56011	PROP.	SEE PLANS	27,500	3	56	24	110	1.0	120/1	1,2,3,4,5
2	GARAGE 116	LEADING EDGE	56011	PROP.	SEE PLANS	27,500	3	56	24	110	1.0	120/1	1,2,3,4,5
NOTES: 1. PROVIDE VARIABLE SPEED 5A CONTROLLER (4 FANS MAX. PER CONTROLLER). COORDINATE CONTROLLER LOCATIONS WITH OWNER. 2. COLOR SELECTED BY OWNER. 3. PROVIDE DOWNROD AND SAFETY CHAIN. 4. PROVIDE THREE PRONG PLUG. 5. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.													

EXHAUST FAN SCHEDULE 																	
GENERAL DATA					FAN DATA											FAN CONTROLS	NOTES
TAG	LOCATION	AREA SERVED	MANUFACTURER	MODEL	TYPE	DRIVE	DAMPER SIZE (IN.)	CFM	S.P. (IN.)	MAX. FAN RPM	BHP	MTR RPM	MTR HP	MTR PH	MTR VOLT		
1	CEILING	HERBICIDE 117	COOK	GCVF-180	CENT	DIRECT	6"ø	200	0.25	1,274	----	1,725	46 WATTS	1	120	\$	1,2,3,4,8
2	CEILING	LAB 109	COOK	GCVF-500	CENT.	DIRECT	6"ø	300	0.25	1,320	----	1,725	50 WATTS	1	120	\$	1,2,3,4,8
3	CEILING	UNISEX 110	COOK	GCVF-180	CENT.	DIRECT	6"ø	100	0.375	935	----	1,725	15 WATTS	1	120	Ⓡ	2,3,4,5,8
4	CEILING	UNISEX 111	COOK	GCVF-180	CENT	DIRECT	6"ø	100	0.375	935	----	1,725	15 WATTS	1	120	Ⓡ	2,3,4,5,8
5	CEILING	LOCKER AREA 113	COOK	GCVF-180	CENT	DIRECT	6"ø	200	0.25	1,274	----	1,725	46 WATTS	1	120	\$	1,2,3,4,8
6	CEILING	BREAK ROOM 103	COOK	GCVF-500	CENT.	DIRECT	6"ø	300	0.25	1,320	----	1,725	50 WATTS	1	120	\$	2,3,4,6,8
7	WALL	GARAGE 116	COOK	XLWH 36XLWH	PROP.	BELT	12 X 12	10,000	0.375	630	1.59	1,725	2.0	3	208	Ⓡ	3,4,7
NOTES: 1. PROVIDE WALL CAP 2. BIRDSCREEN. 3. DISCONNECT SWITCH WITH SPEED CONTROLLER. 4. GRAVITY BACKDRAFT DAMPER. 5. EXTEND 8"ø THRU ROOF TO GOOSENECK. 6. EXTEND 10"ø THRU ROOF TO GOOSENECK. 7. PROVIDE GRAVITY SHUTTER, WALL COLLAR AND GUARD. 8. PROVIDE WHITE PLASTIC GRILLE AND ISOLATORS. ☑ STARTER BY E.C. Ⓡ RELAY BY BAS. \$ SWITCH WITH PILOT LIGHT BY E.C. Ⓢ THERMOSTAT BY BAS.																	

WALL LOUVER SCHEDULE 										
TAG	MANUFACTURER	MODEL NUMBER	SIZE (W x L x D)	LOCATION	AREA/EQUIPMENT SERVICED	CFM	FREE AREA (SQ. FT.)	VELOCITY (FPM)	PRESSURE DROP (IN.)	NOTES
 1	RUSKIN	ELF375DX	62" x 62" x 4"	MEZZANINE 201	GARAGE 116	10,000	14.58	686	0.10	1,2,3,4,5,6
 2	RUSKIN	XP500WD	28" x 24" x 4"	UTILITIES 108	DOAS-1	1,300	2.29	567	0.09	1,2,3,4,5,6
NOTES: 1. PROVIDE BIRDSCREEN. 2. PROVIDE CUSTOM FINISH TO BE SELECTED BY ARCHITECT. PROVIDE SAMPLE FOR OWNER/ARCHITECT REVIEW. 3. PROVIDE 2" FLANGE. 4. PROVIDE MOTORIZED DAMPER WITH END SWITCH. 5. MOUNT BOTTOM OF LOUVER 24" ABOVE ROOF. 6. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.										



BA

BLAKEMORE ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County Forest Preserve

Meridian Rd., Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

 COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

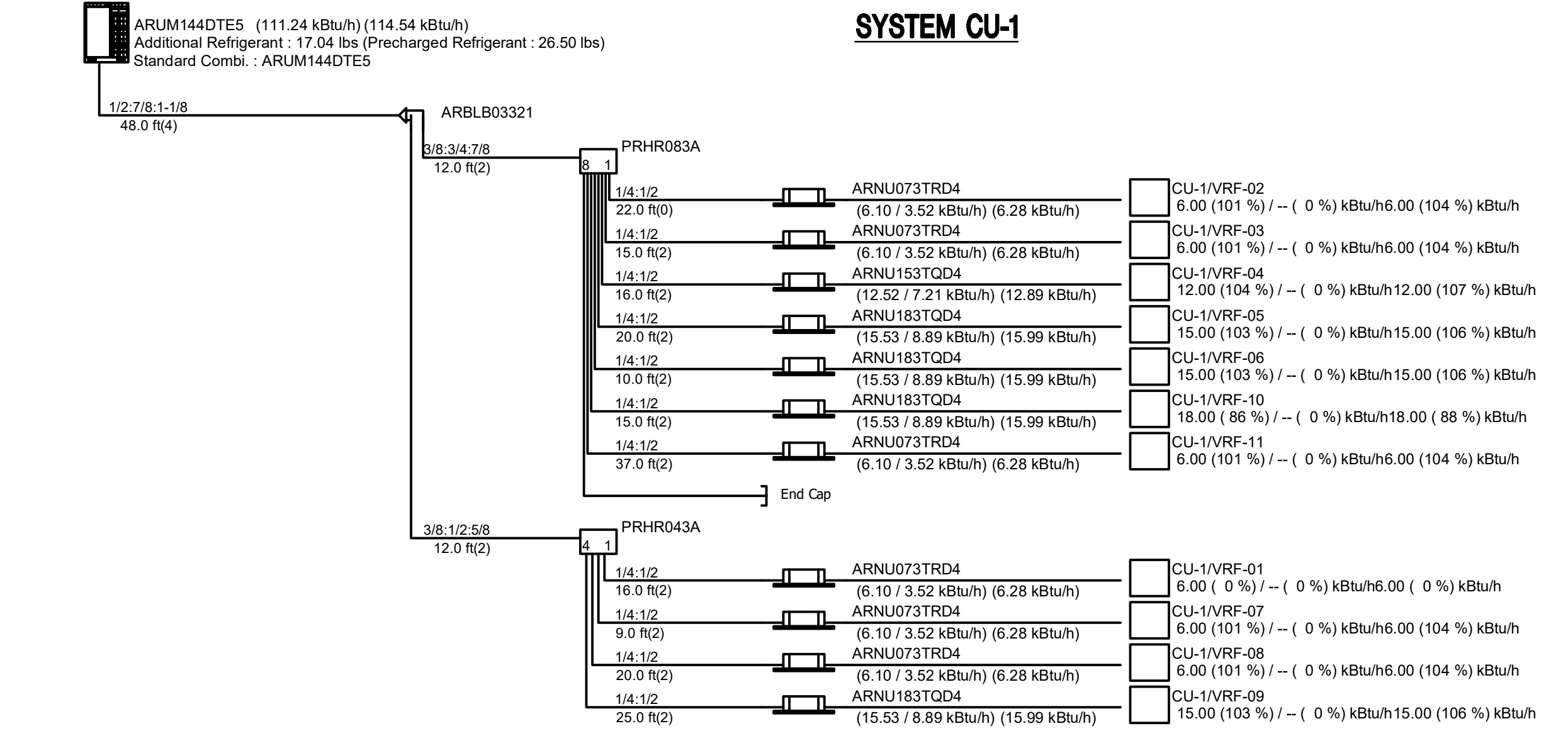
SCHEDULES MECHANICAL

Ref. North Sheet No.

M210

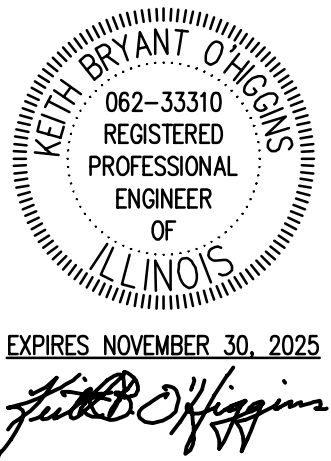
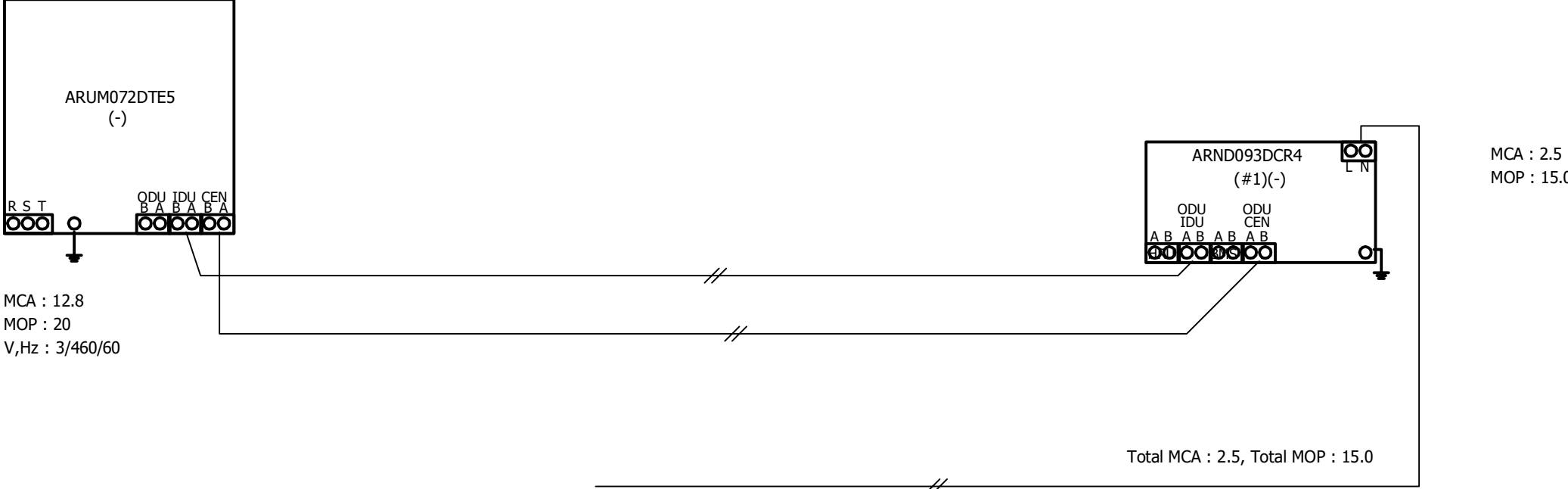
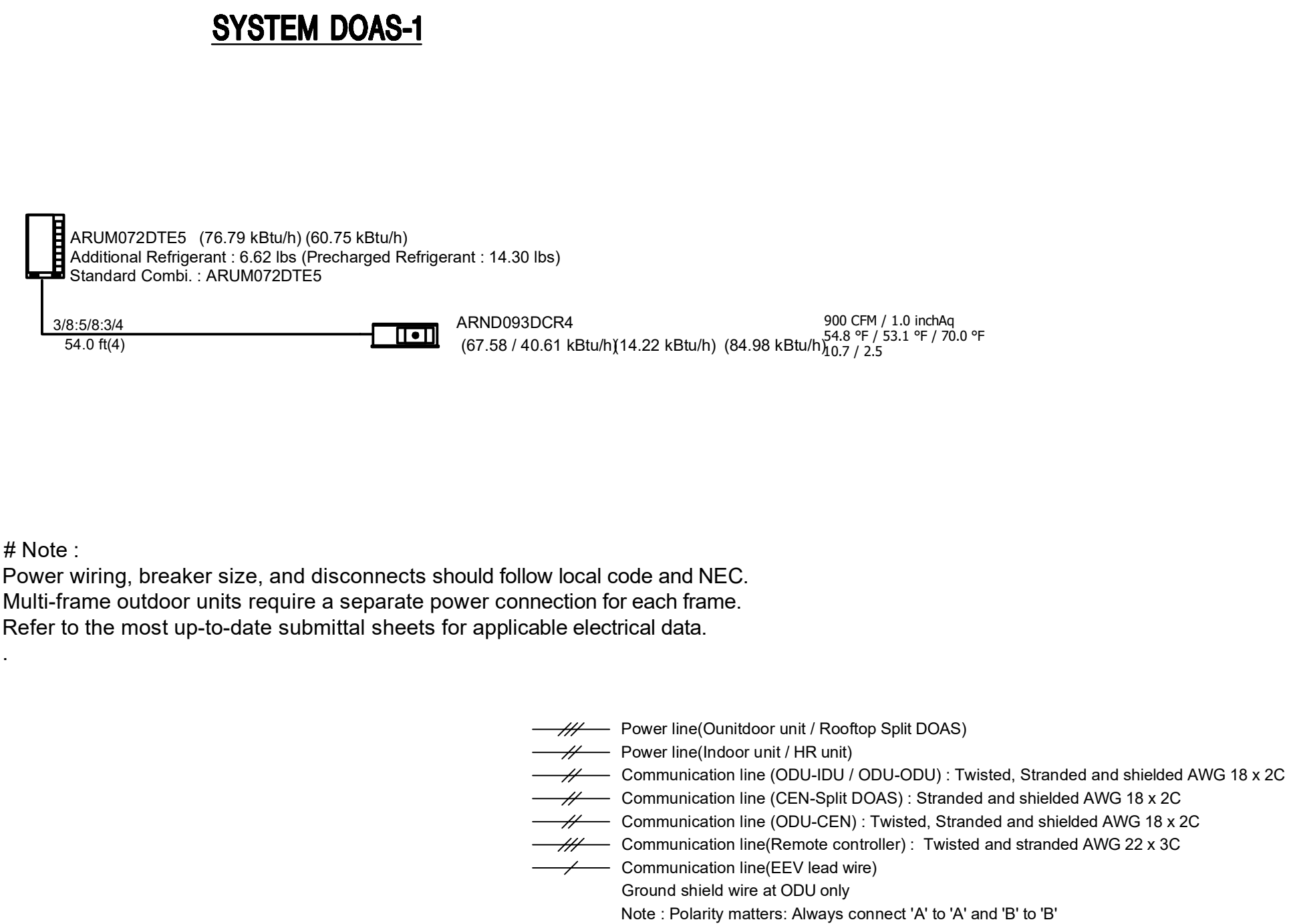
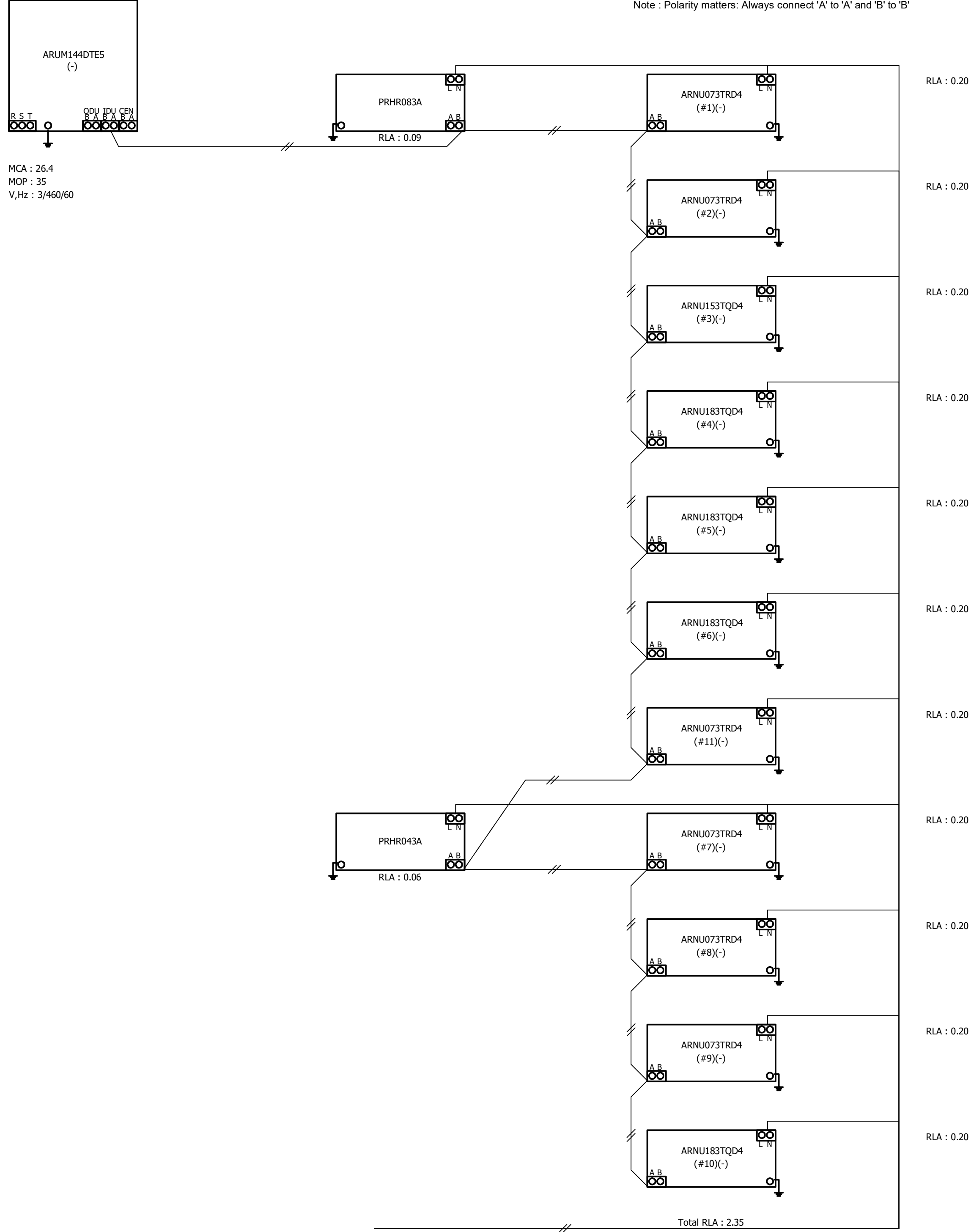
PROFESSIONAL DESIGN FIRM REGISTRATION # 184-003342

FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\A305-A-1 - M300 - VRF Schematic
DATE PLOTTED: 10/24/2025 12:18 PM
PLOTTED BY: CARL FUEGEL



Note :
Power wiring, breaker size, and disconnects should follow local code and NEC.
Multi-frame outdoor units require a separate power connection for each frame.
Refer to the most up-to-date submittal sheets for applicable electrical data.

Power line(Outdoor unit)
Power line(Indoor unit / HR unit)
Communication line (ODU-IDU / ODU-ODU) : Twisted, Stranded and shielded AWG 18 x 2C
Communication line (ODU-CEN) : Twisted, Stranded and shielded AWG 18 x 2C
Communication line(Remote controller) : Twisted and stranded AWG 22 x 3C
Communication line(EEV lead wire)
Ground shield wire at ODU only
Note : Polarity matters: Always connect 'A' to 'A' and 'B' to 'B'



BLAKEMORE ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building
for
Winnebago County
Forest Preserve
Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

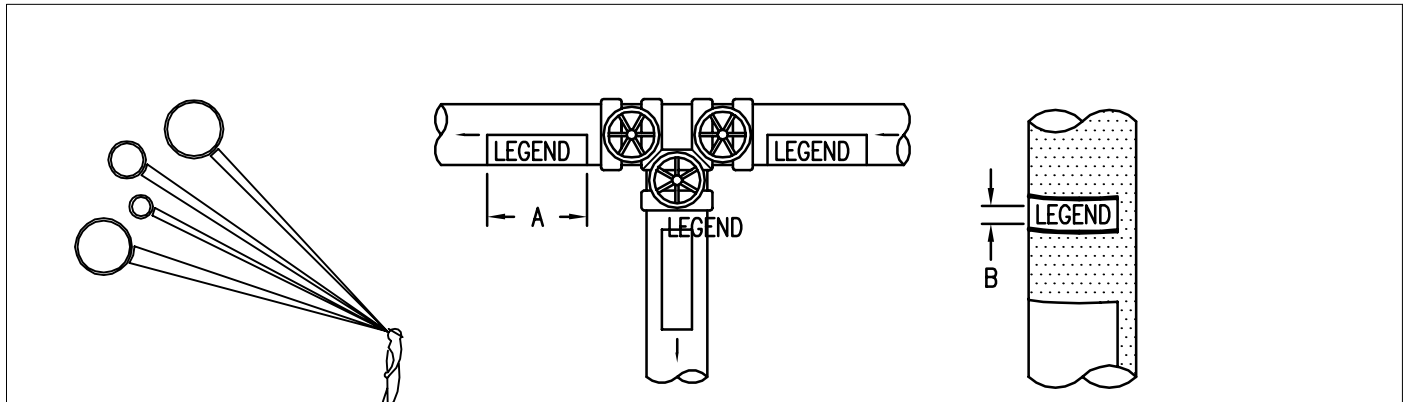
SYSTEMS MECHANICAL

Ref. North Sheet No.

M300

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\305-A-1 - M4.00 - Details
DATE PLOTTED: 10/24/2025 12:18 PM
PLOTTED BY: CARL FUGEL



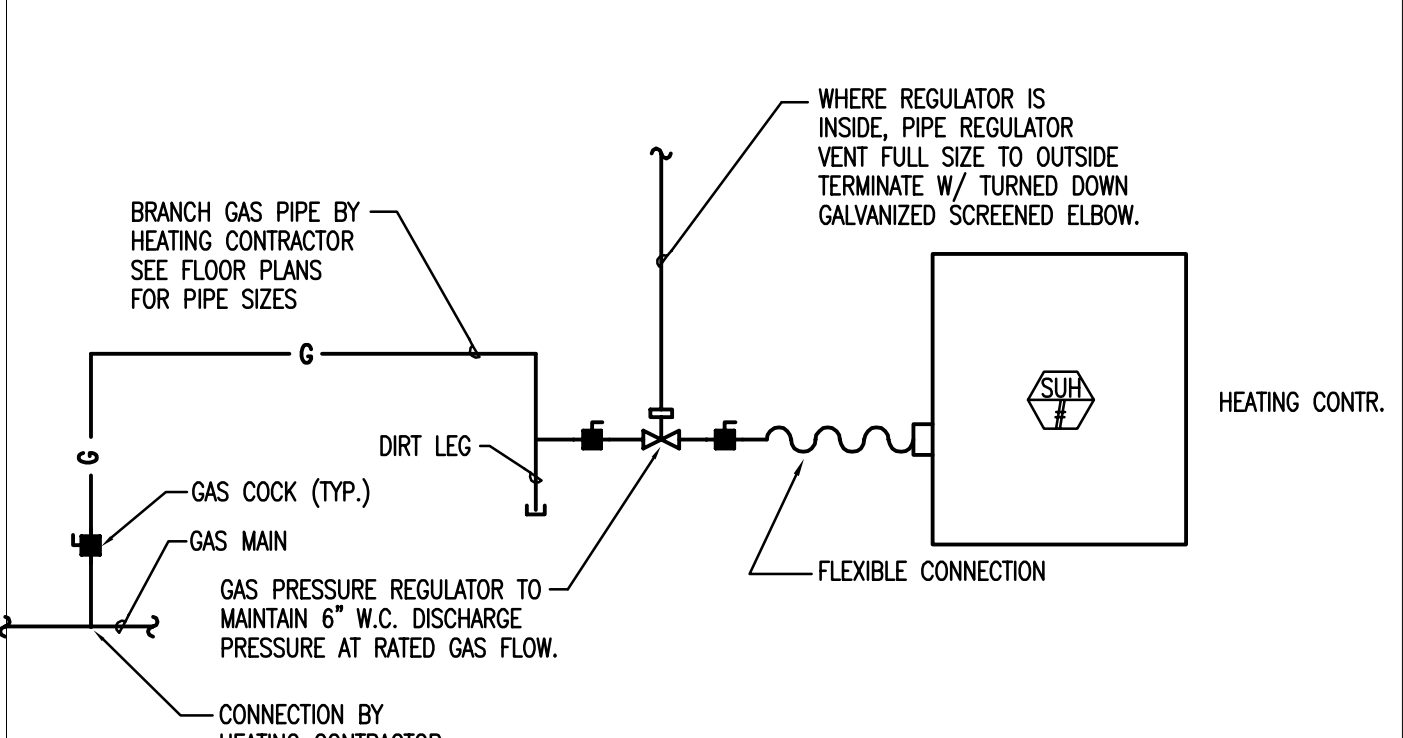
NOTES:

- ONLY FACTORY MANUFACTURED MARKERS AS FOLLOWS WILL BE ACCEPTABLE:
PIPES 3/4" THRU 5-7/8" DIAMETER: USE "SNAP-AROUND" TYPE.
PIPES 6" DIAMETER AND LARGER: USE "STRAP-AROUND" TYPE.
STENCILS AND STICK-ON TYPE MARKERS WILL NOT BE PERMITTED.
- IDENTIFICATION MARKERS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 20'-0" INTERVALS AND AT ALL VALVES AND BRANCHES AND ON BOTH SIDES OF WALLS WHERE PIPES PASS THROUGH SAME. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

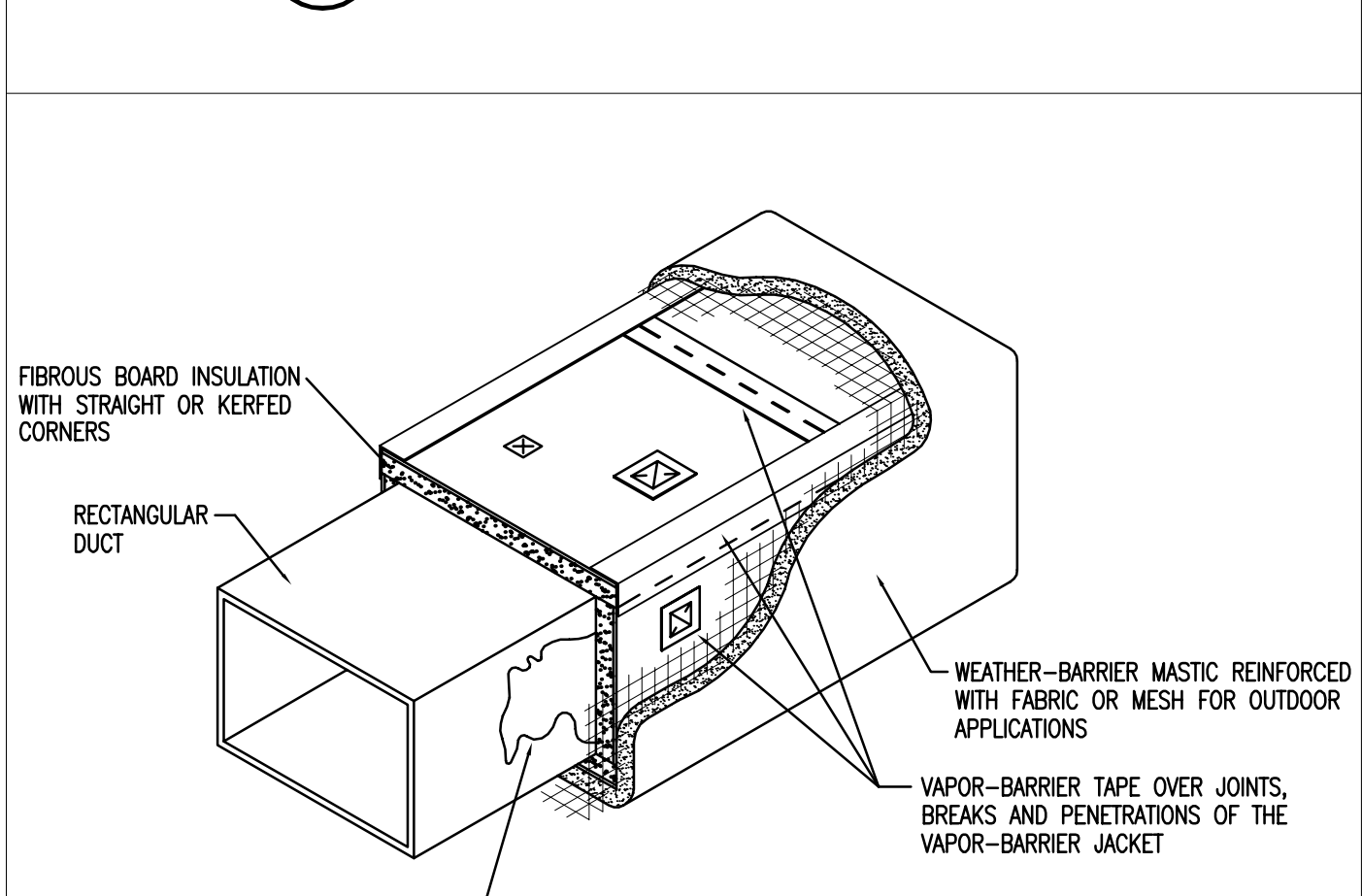
OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1-1/4"	8"	1/2"
1-1/2" TO 2"	8"	3/4"
2-1/2" TO 6"	12"	1-1/4"

PLAN TAG	SERVICE	IDENTIFICATION MARKER
BWS	BOILER WATER SUPPLY	BLACK LETTERING ON YELLOW BACKGROUND
BWR	BOILER WATER RETURN	BLACK LETTERING ON YELLOW BACKGROUND
HWS	HOT WATER HEATING SUPPLY	BLACK LETTERING ON YELLOW BACKGROUND
HWIR	HOT WATER HEATING RETURN	BLACK LETTERING ON YELLOW BACKGROUND
G	NATURAL GAS	BLACK LETTERING ON YELLOW BACKGROUND
MU	MAKE-UP WATER (H.W. TANK)	WHITE LETTERING ON GREEN BACKGROUND
HPWS	HEAT PUMP/HOT WATER SUPPLY	BLACK LETTERING ON YELLOW BACKGROUND
HPWR	HEAT PUMP/HOT WATER RETURN	BLACK LETTERING ON YELLOW BACKGROUND
CTWS	COOLING TOWER WATER SUPPLY	WHITE LETTERING ON GREEN BACKGROUND
CTWR	COOLING TOWER WATER RETURN	WHITE LETTERING ON GREEN BACKGROUND
C	CONDENSATE	BLACK LETTERING ON YELLOW BACKGROUND

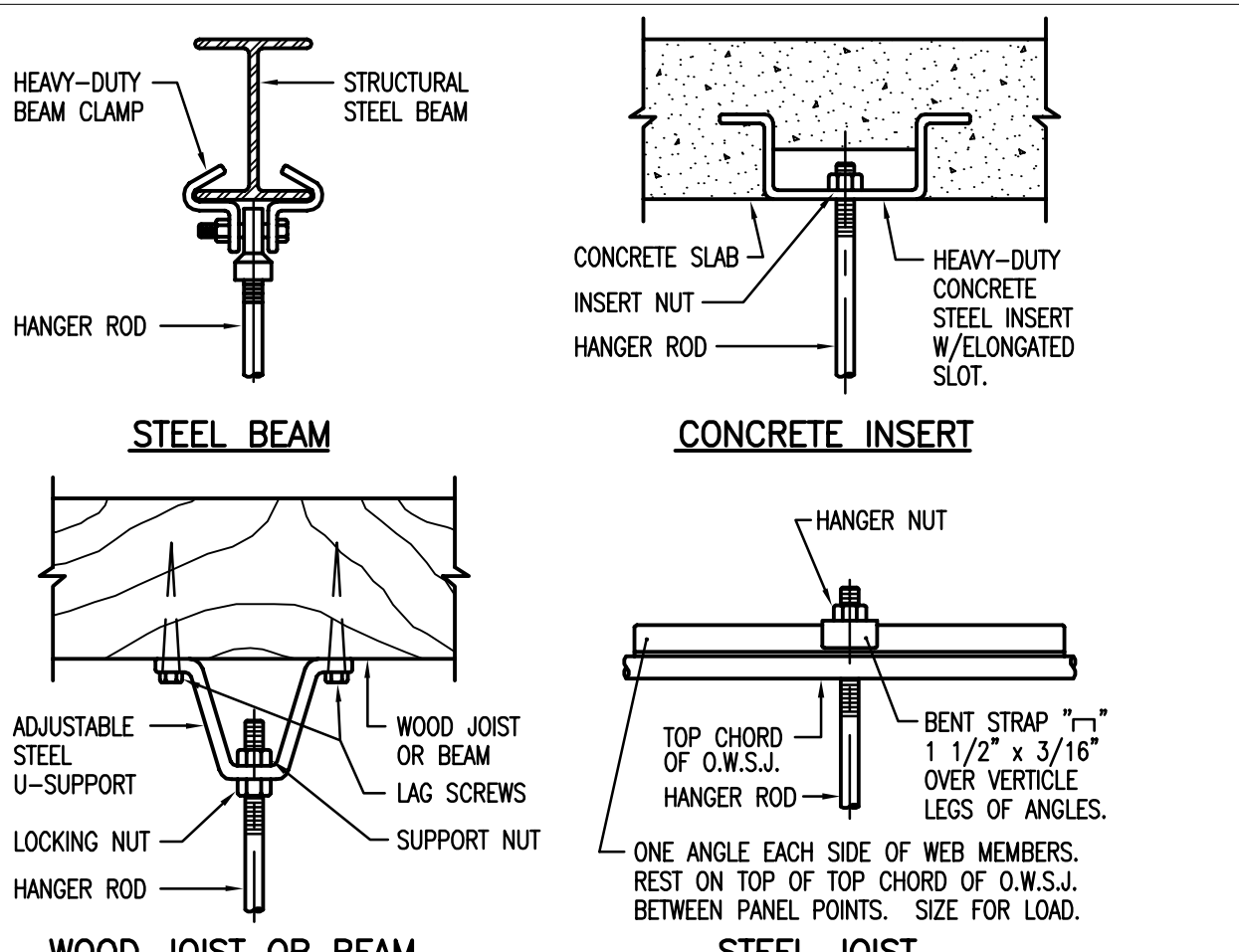
1 TYPICAL PIPE IDENTIFICATION MARKERS
NO SCALE



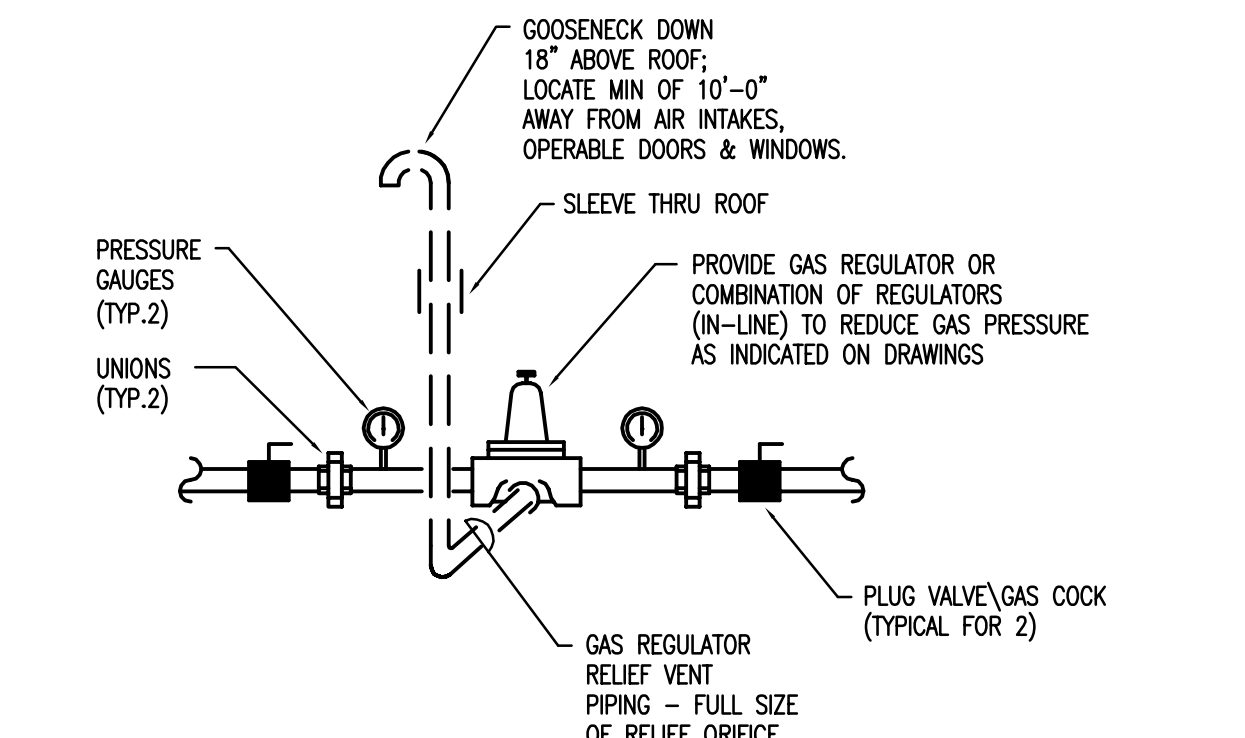
5 GAS CONNECTION DETAIL
NO SCALE



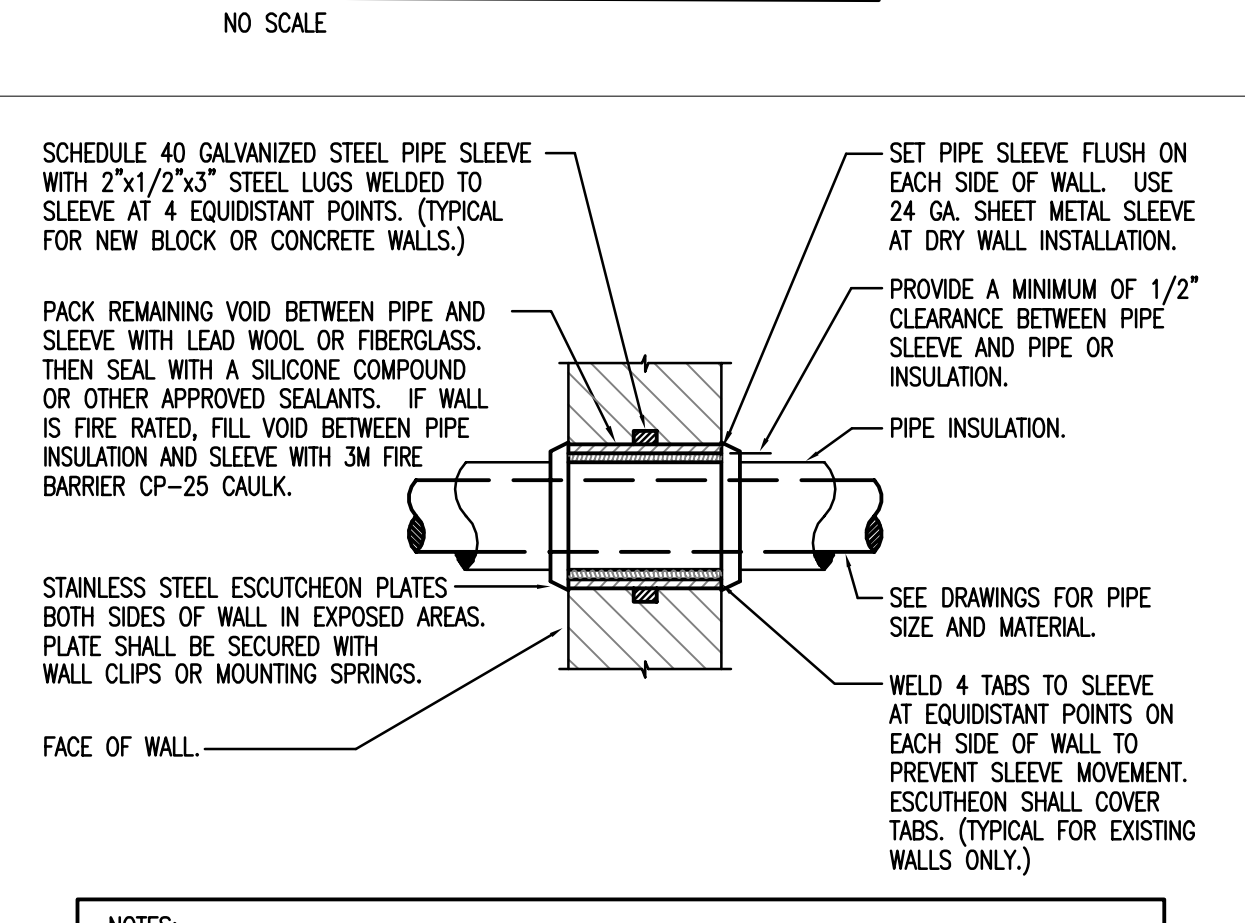
9 FIBROUS BOARD RECTANGULAR/EXPOSED DUCT INSULATION
NO SCALE



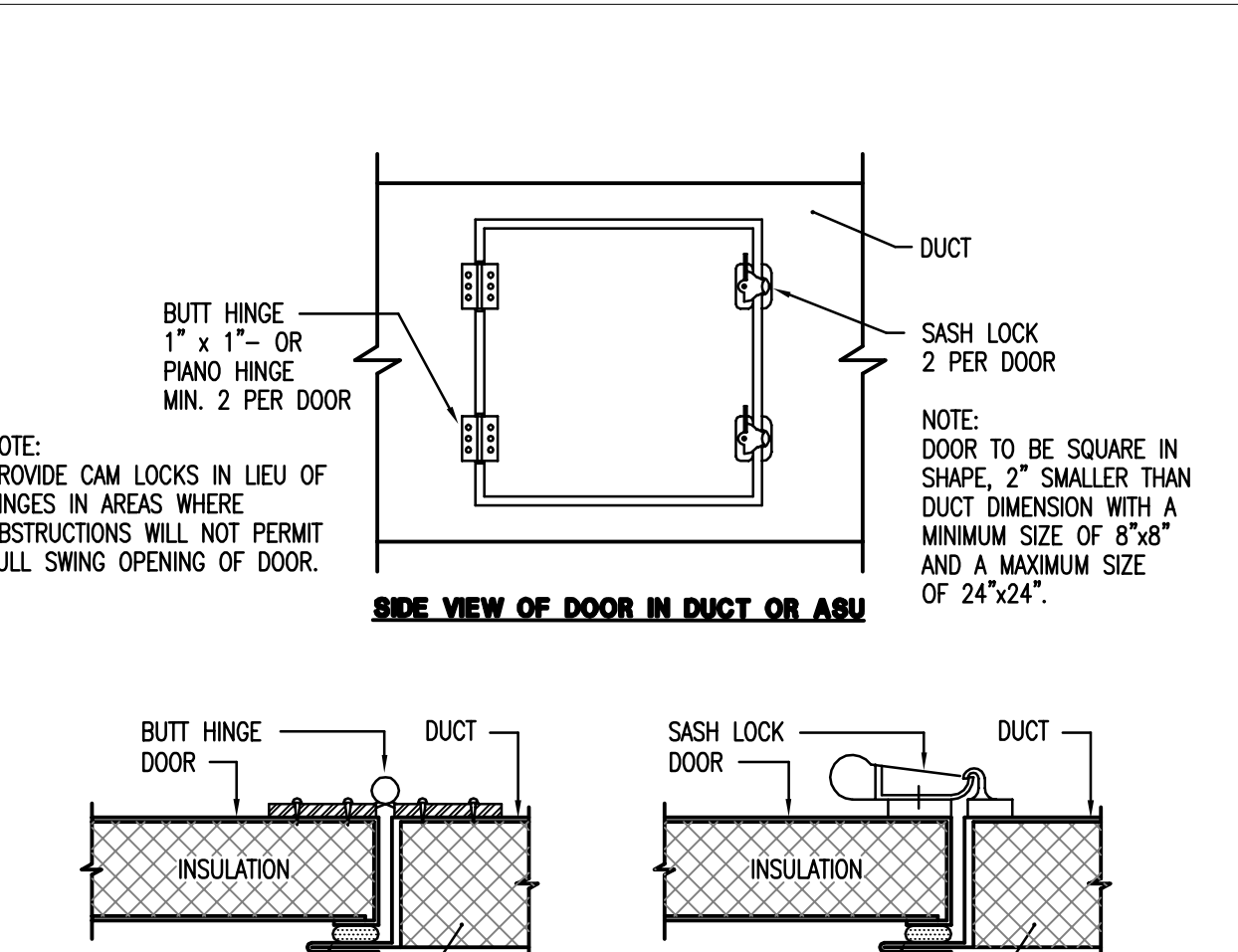
2 PIPE HANGER DETAILS
NO SCALE



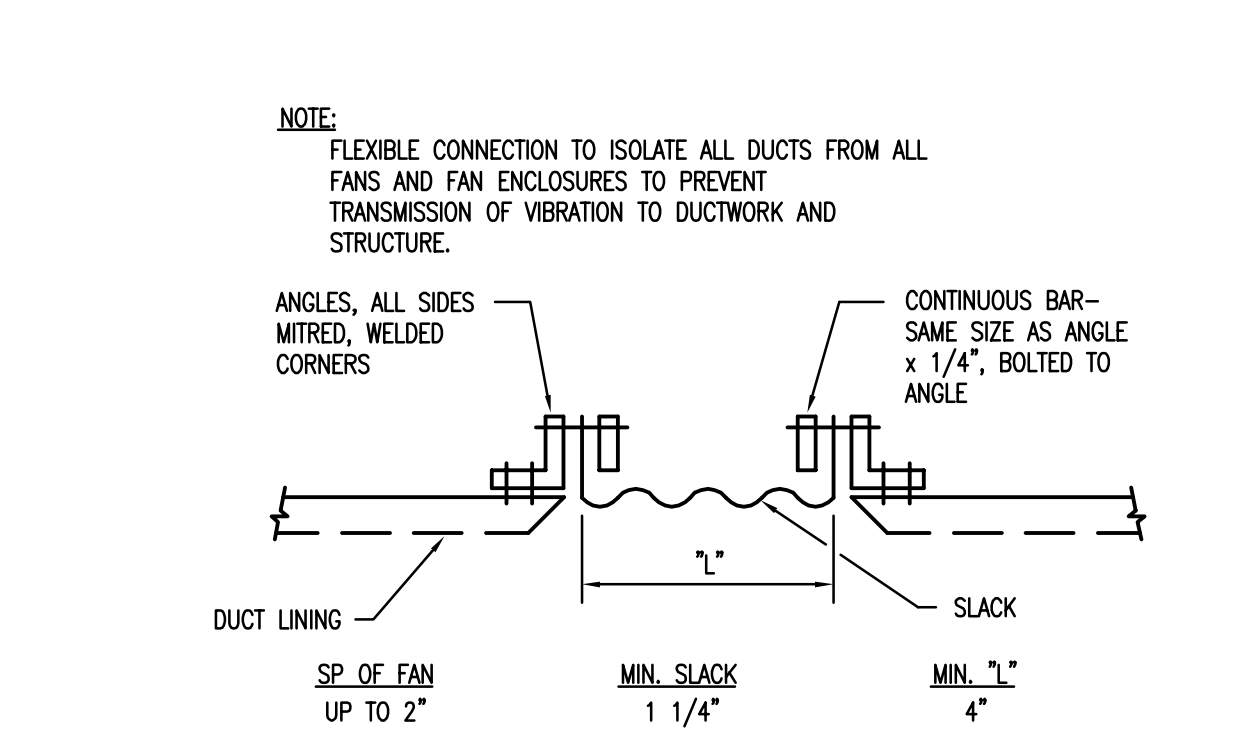
6 NATURAL GAS PRESSURE REDUCING STATION DETAIL
NO SCALE



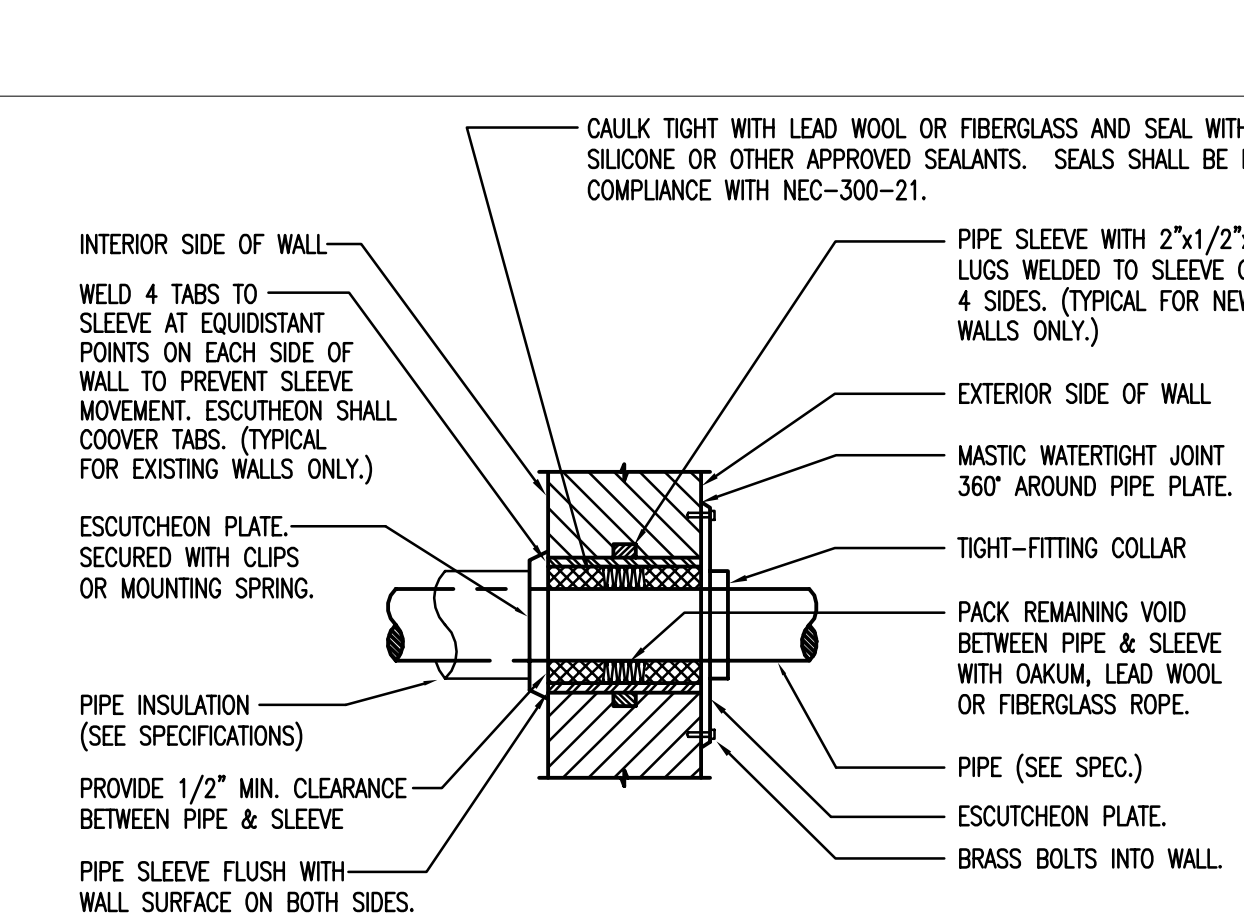
10 PIPE SLEEVE THRU INTERIOR WALL
NO SCALE



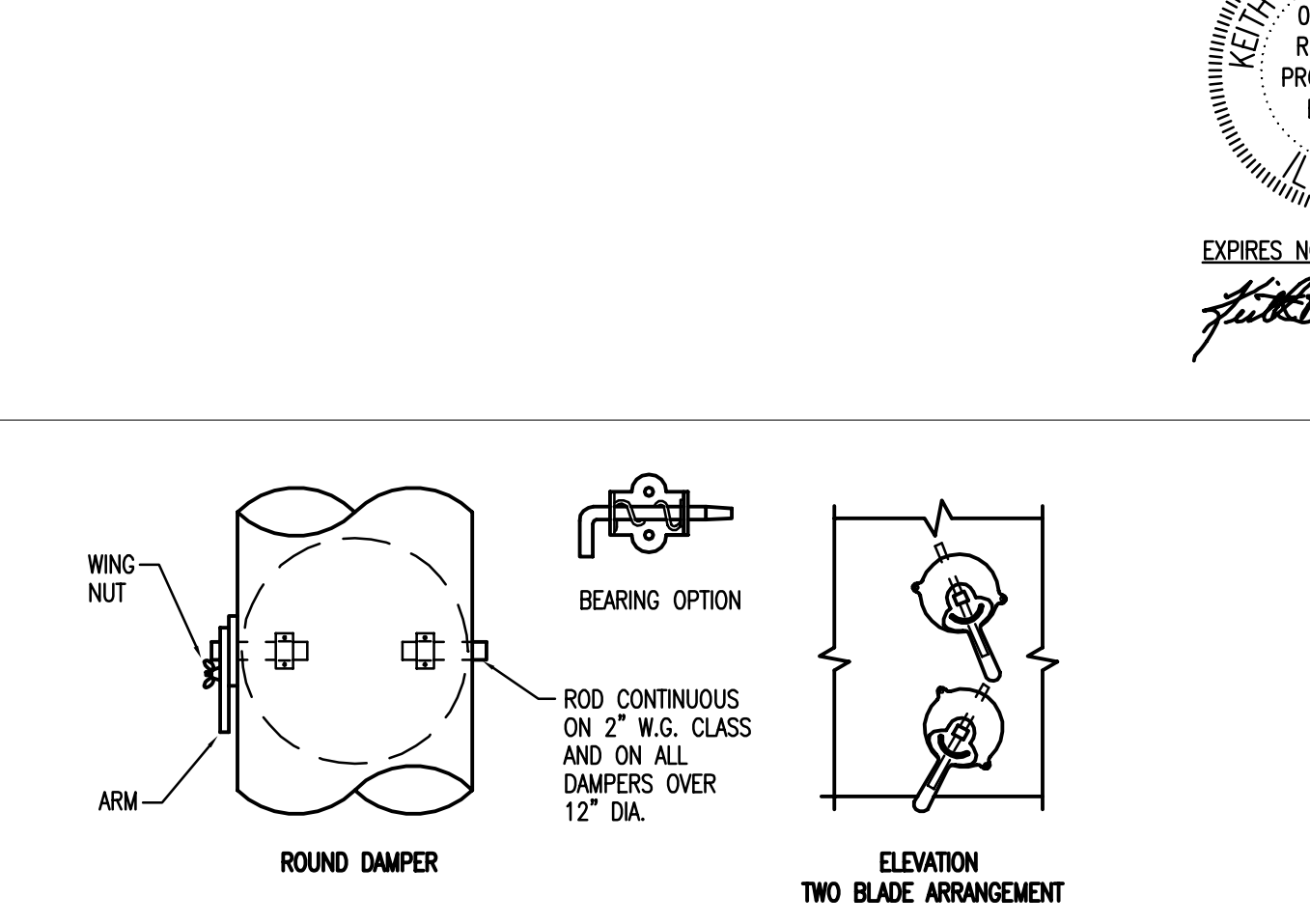
3 TYPICAL DUCT ACCESS DOOR
NO SCALE



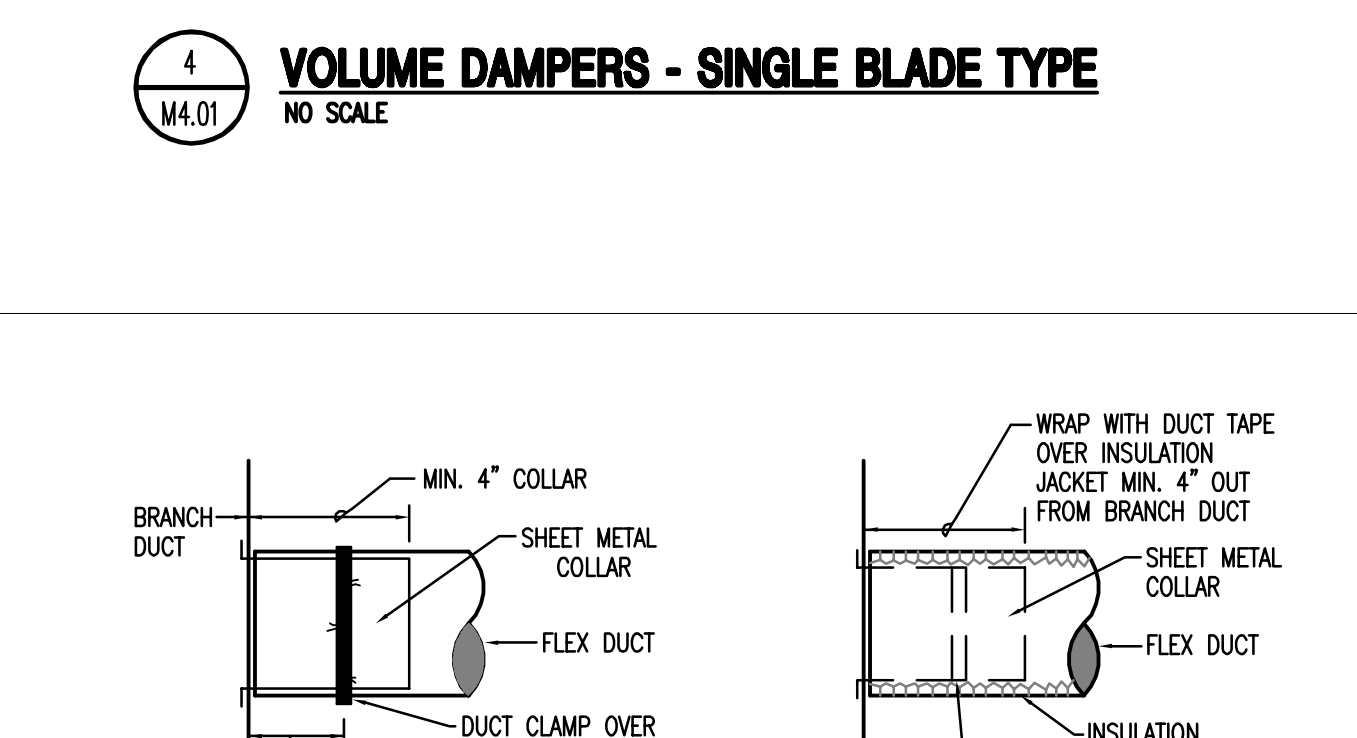
7 FLEXIBLE CONNECTION (FC)
NO SCALE



11 ABOVE GRADE PIPE SLEEVE THRU EXTERIOR WALL
NO SCALE



4 VOLUME DAMPERS - SINGLE BLADE TYPE
NO SCALE



8 FLEXIBLE DUCT HANGER AND CONNECTION DETAILS
NO SCALE

BA

BLAKEMORE ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com

New Building

for

Winnebago County Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

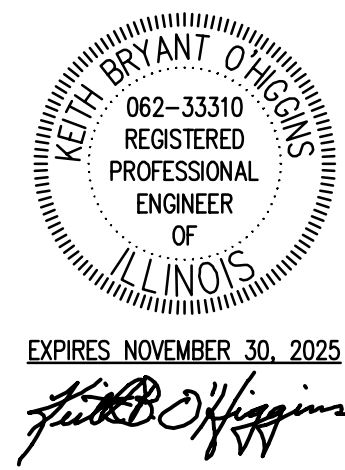
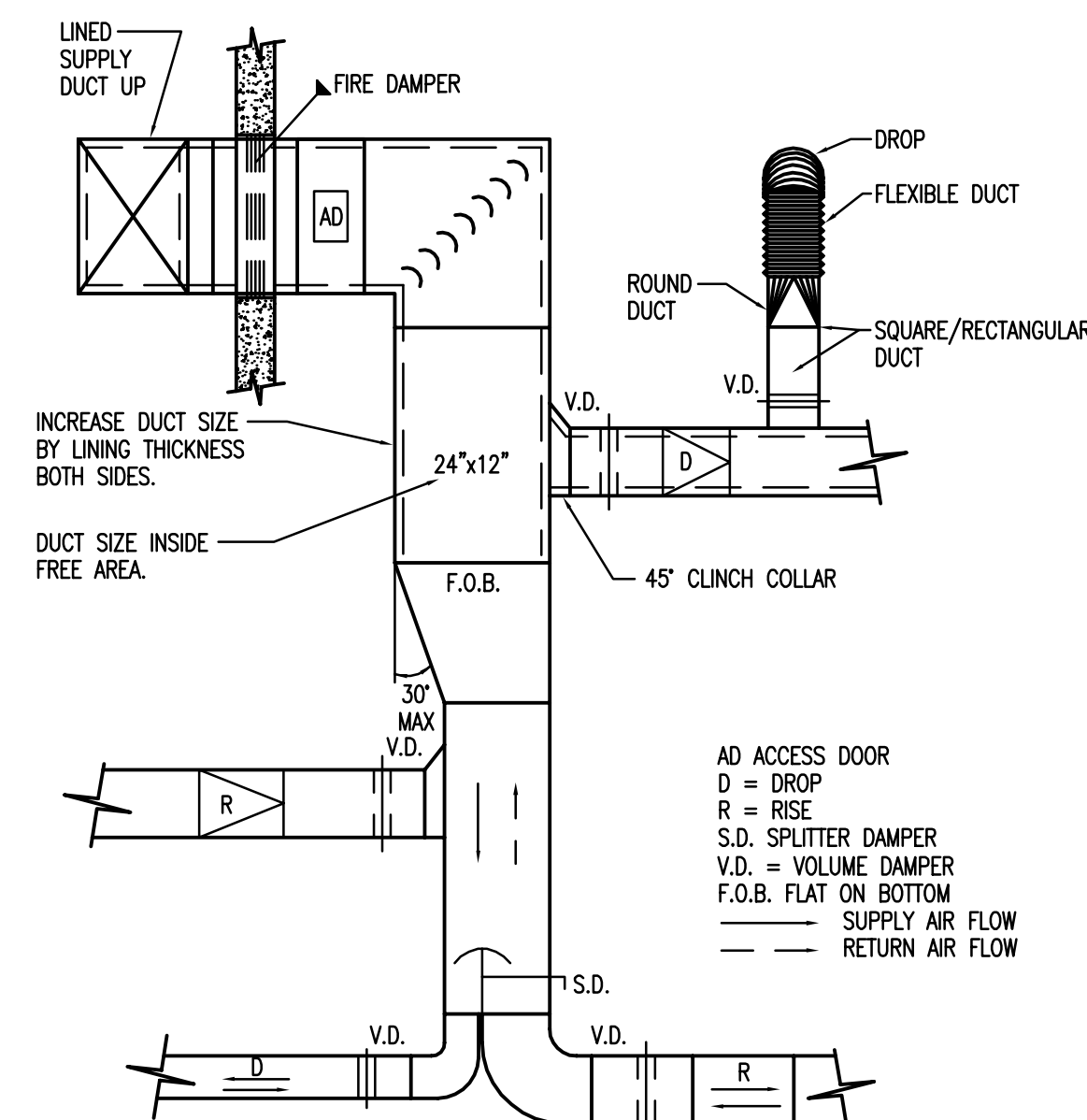
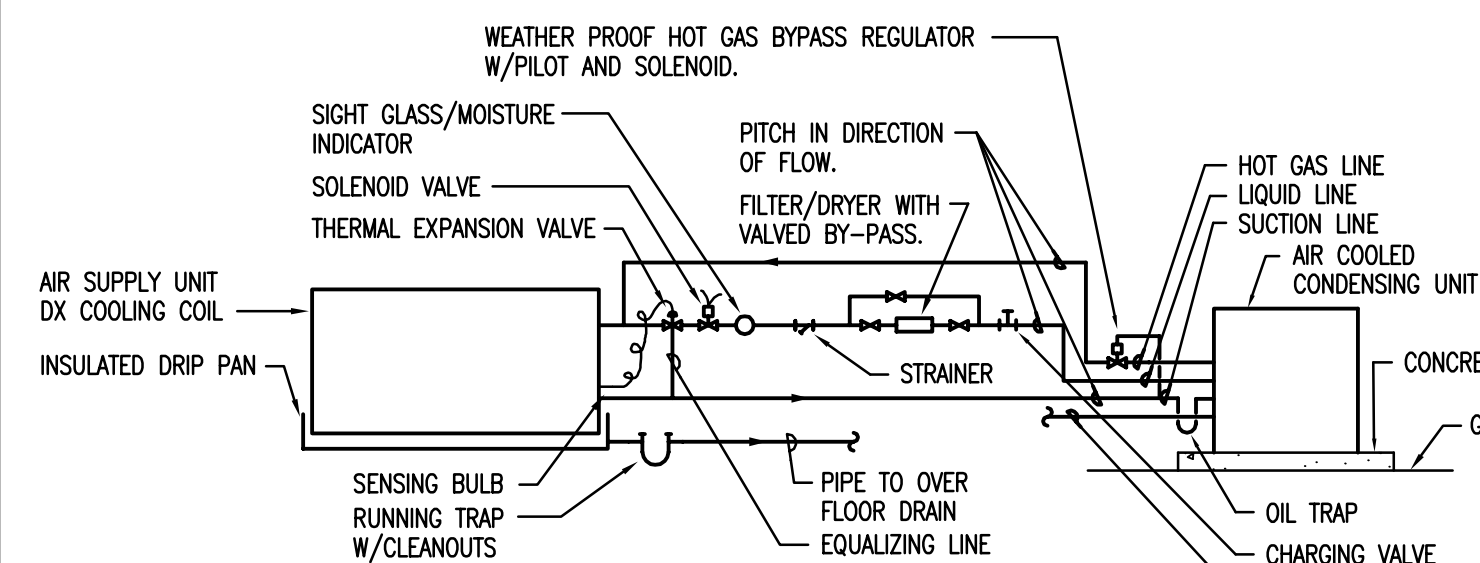
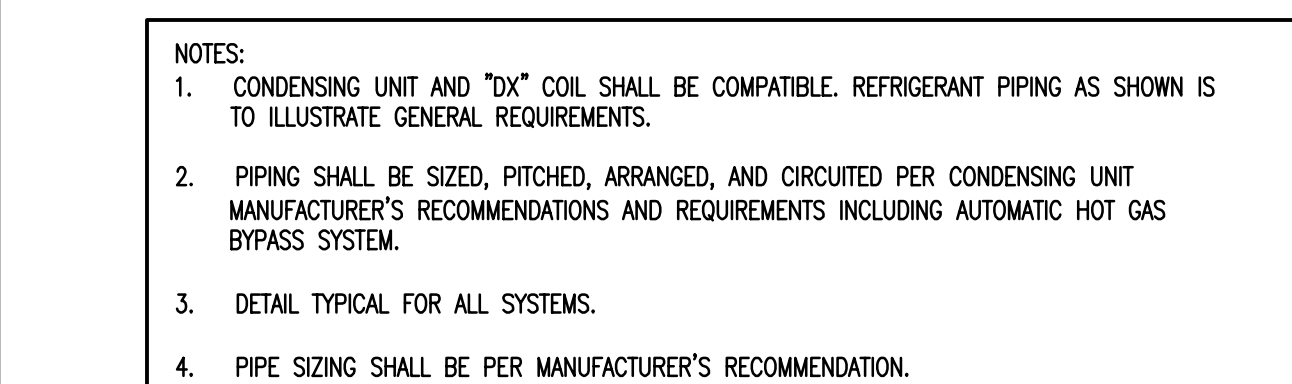
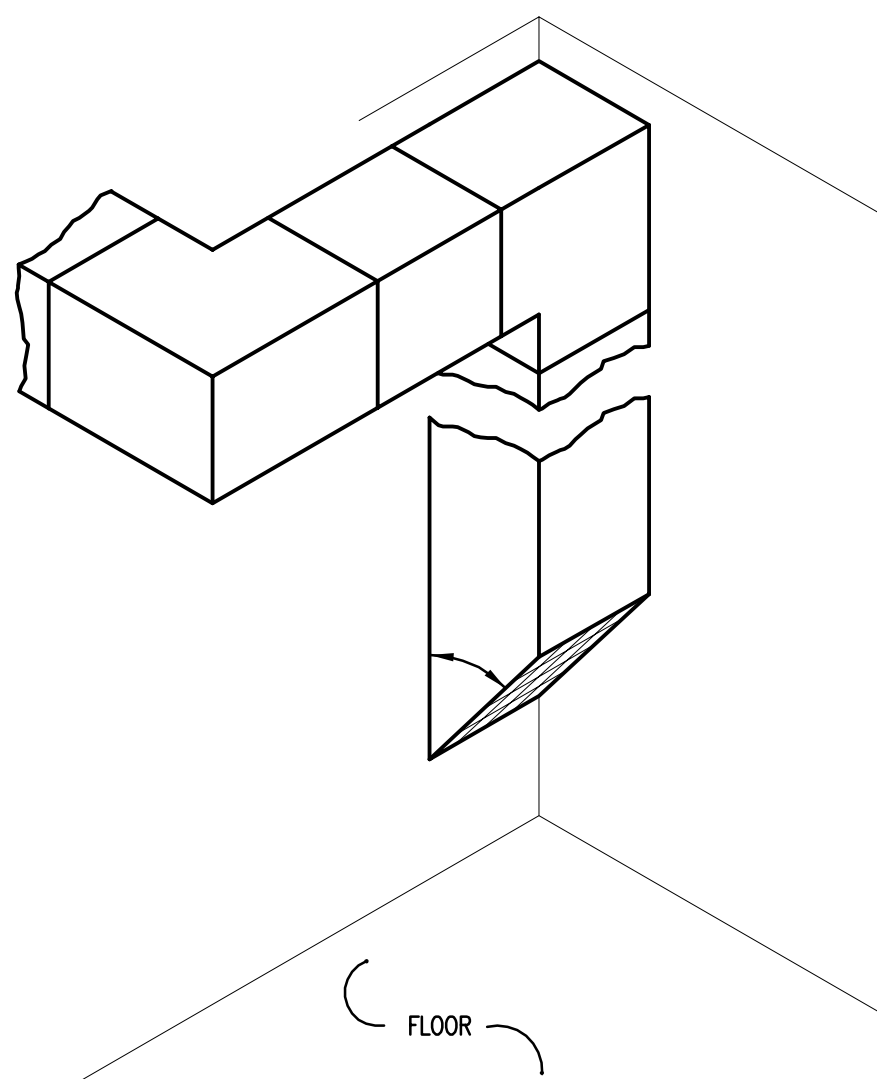
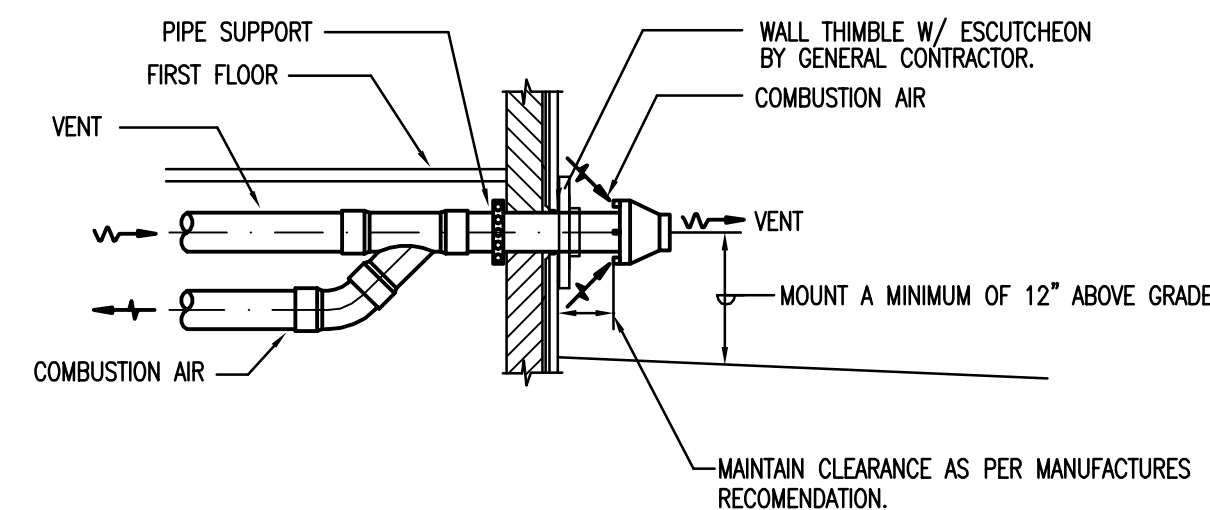
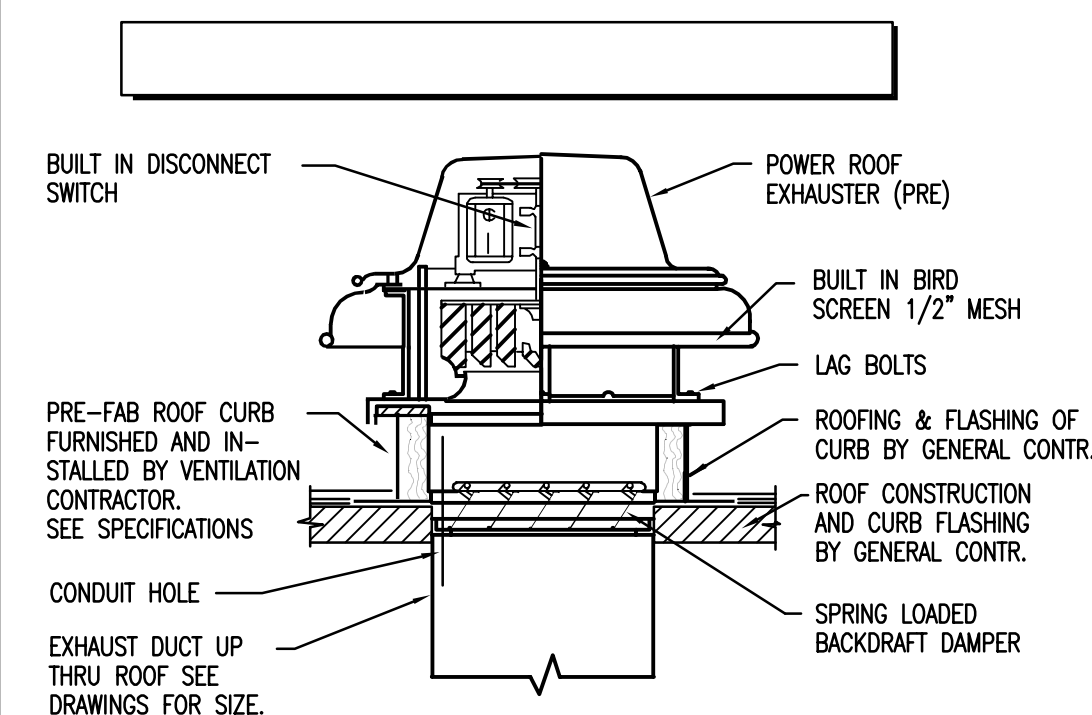
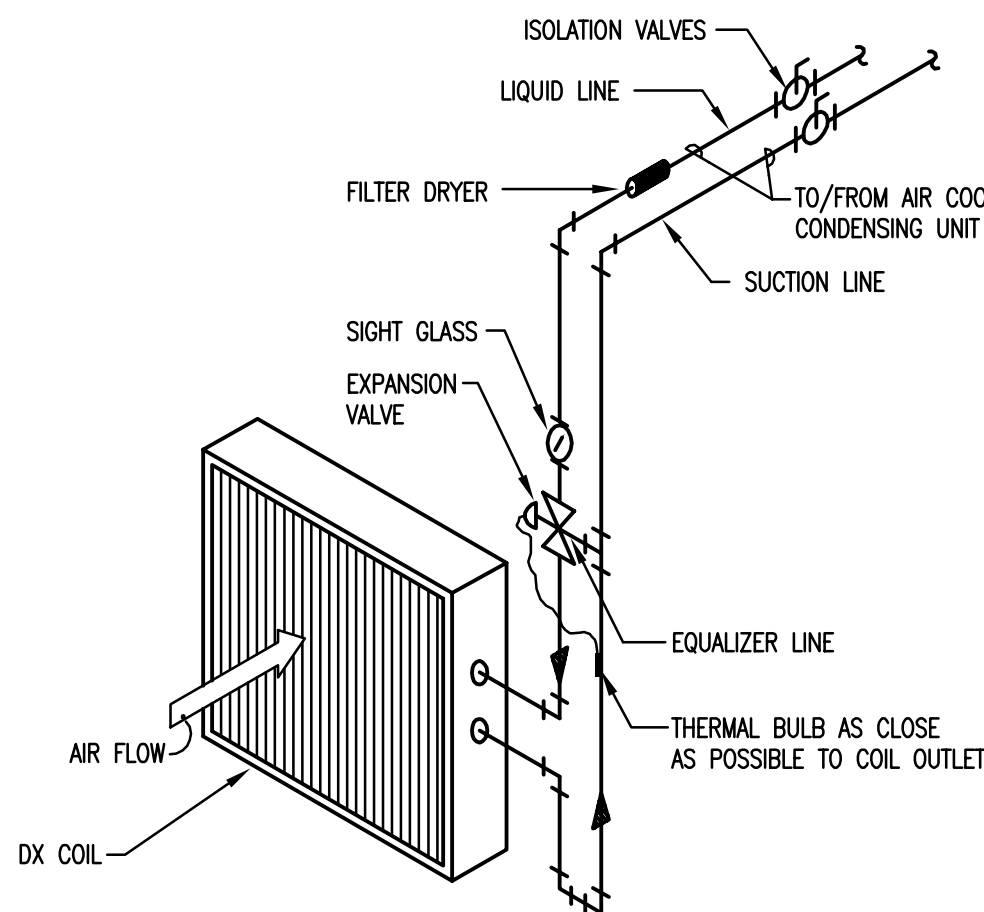
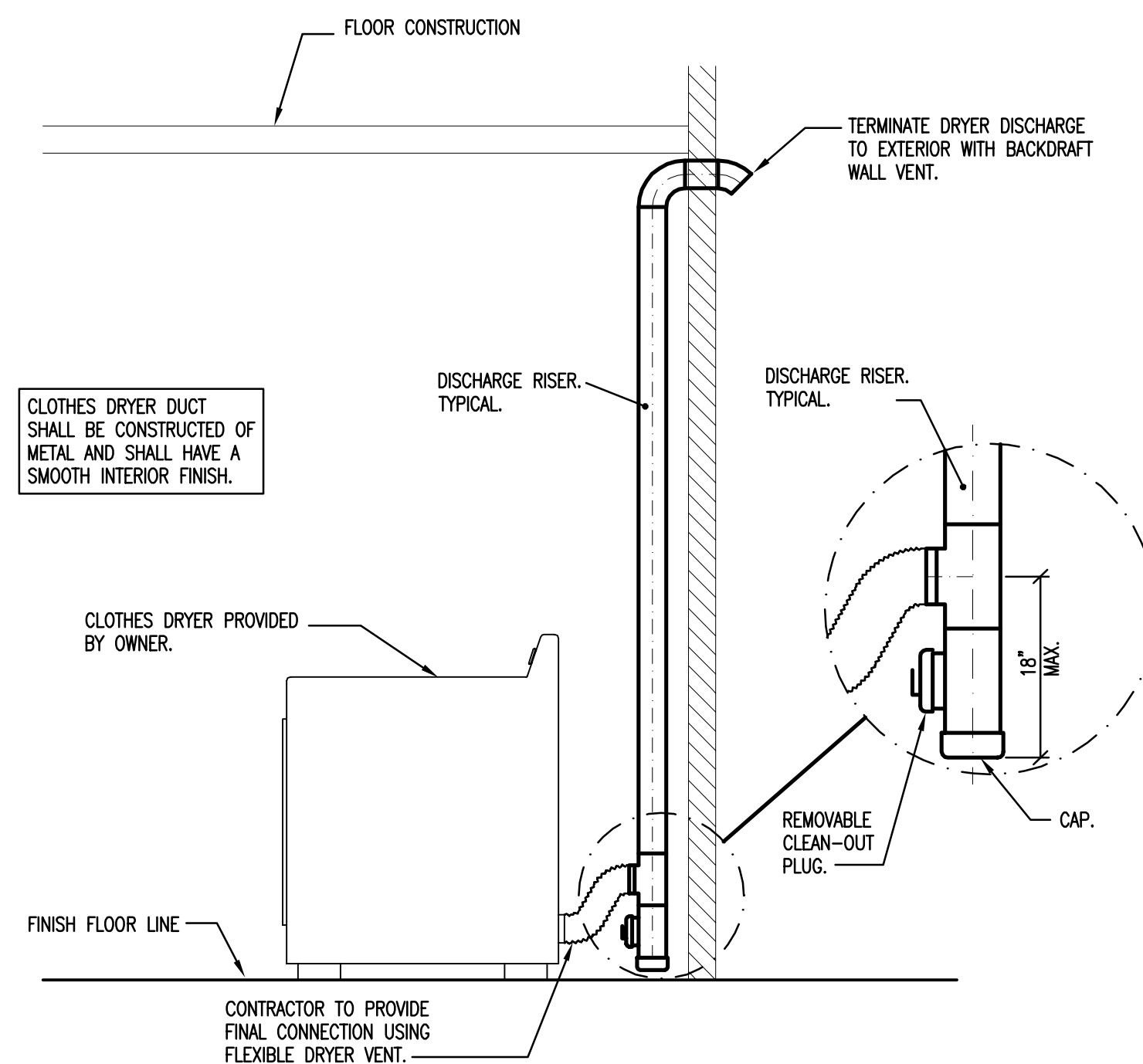
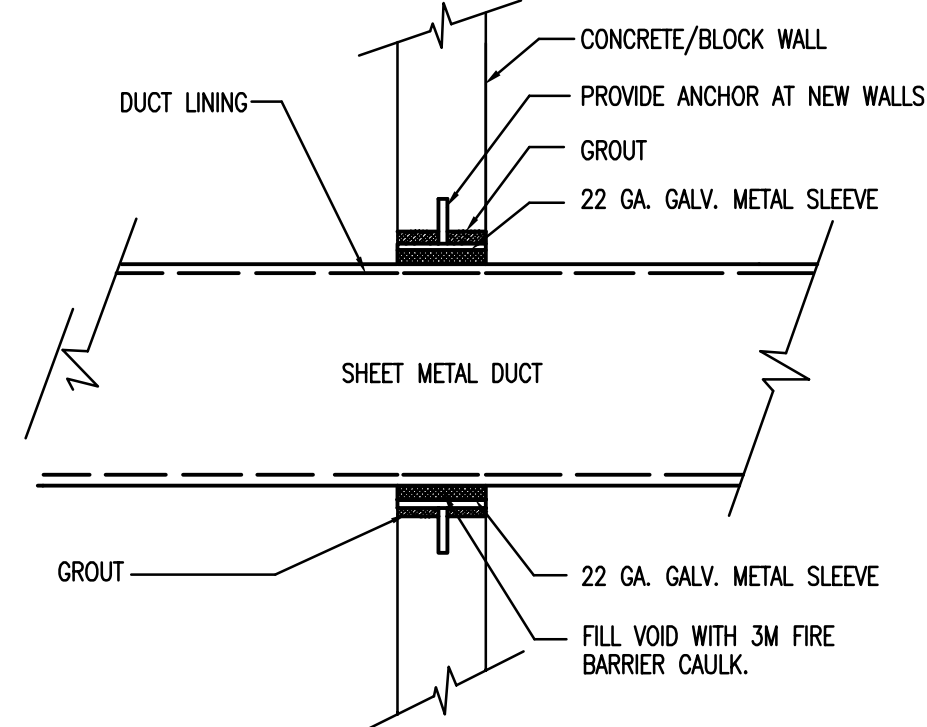
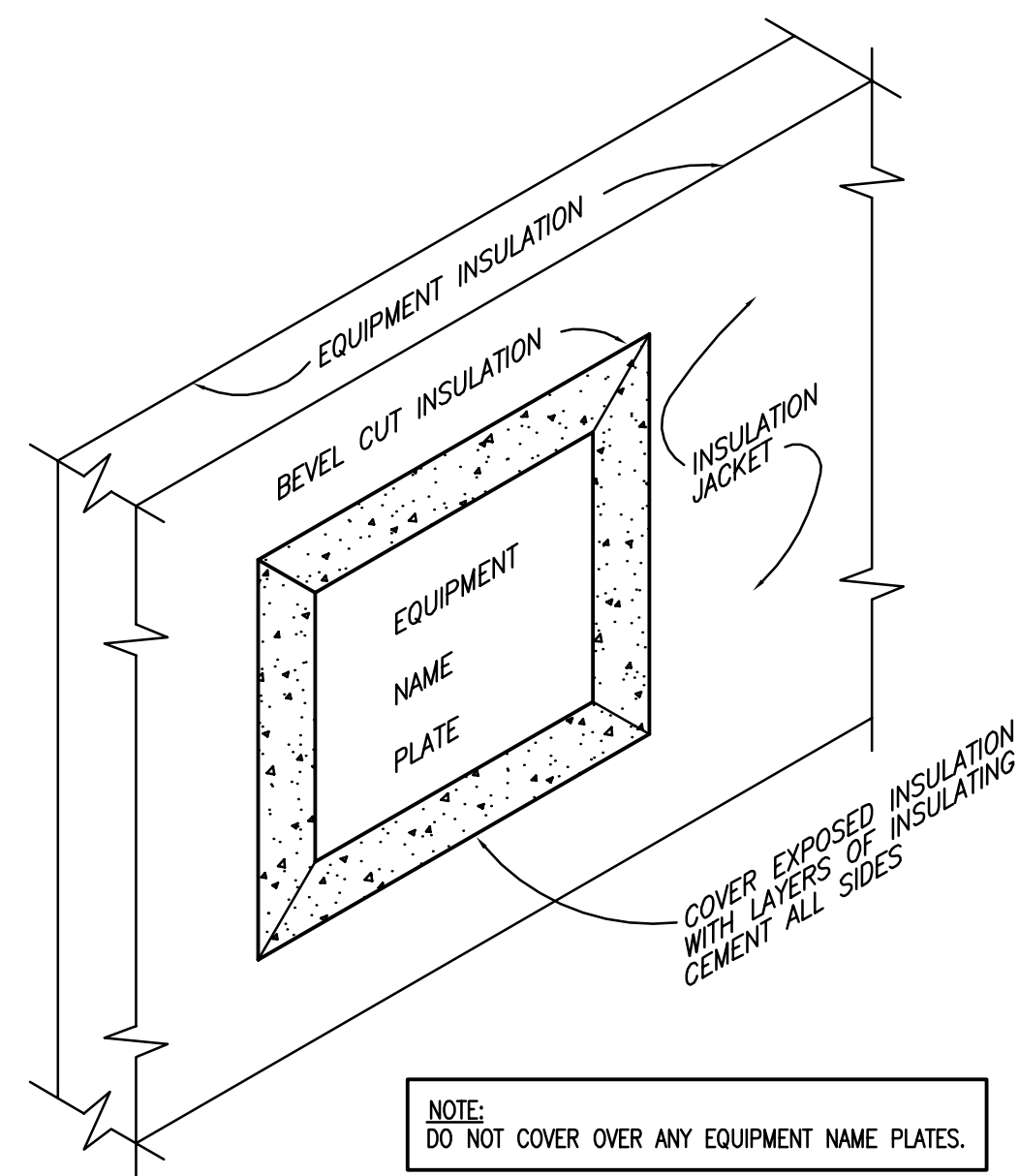
DETAILS - MECHANICAL

Ref. North

Sheet No.

M400

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



BA
BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

[illegible]

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

DETAILS - MECHANICAL

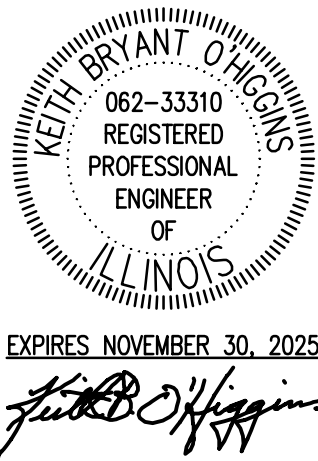
M410

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\M\305-A-1 - M4.10 - Details

DATE PLOTTED: 10/24/2025 12:19 PM

PLOTTED BY: CARL FUGIEL



New Building

for
Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

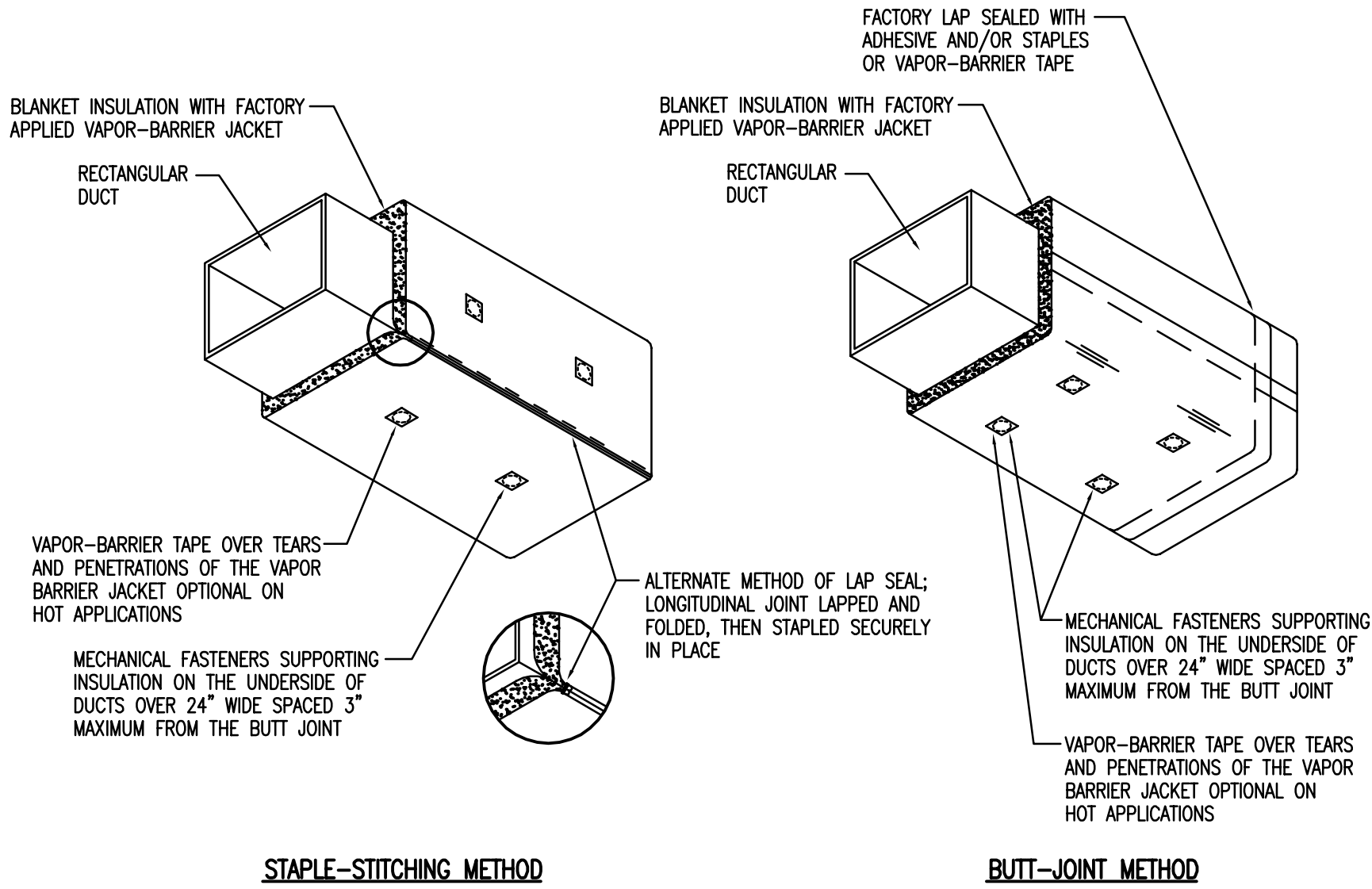
Sheet Title

DETAILS - MECHANICAL

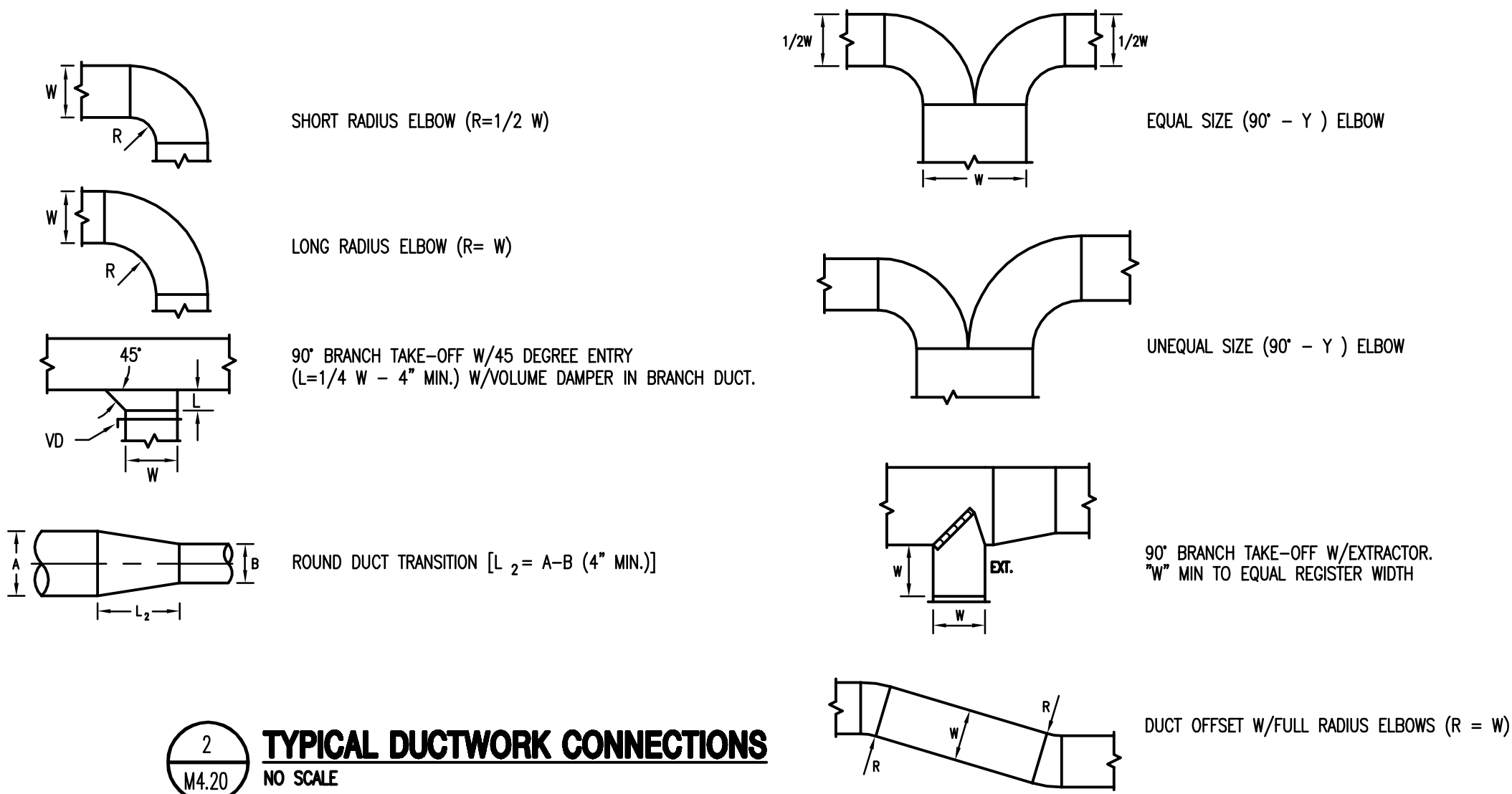
Ref. North Sheet No.

M420

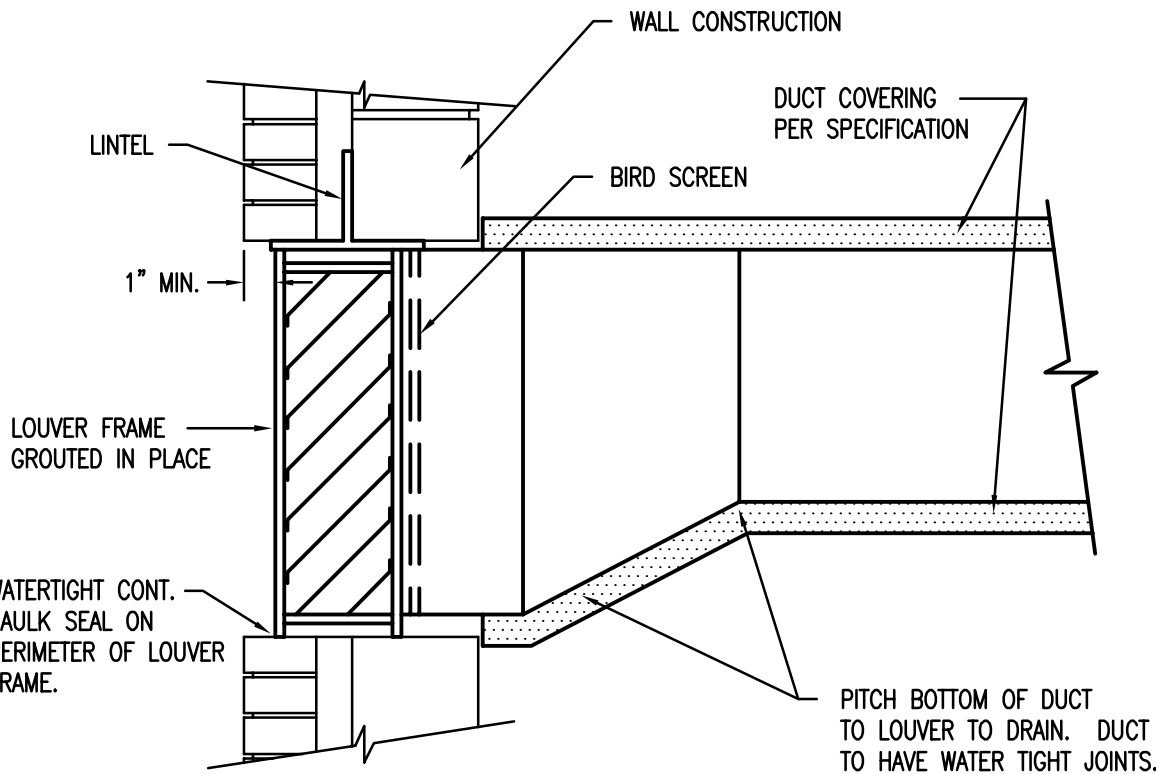
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



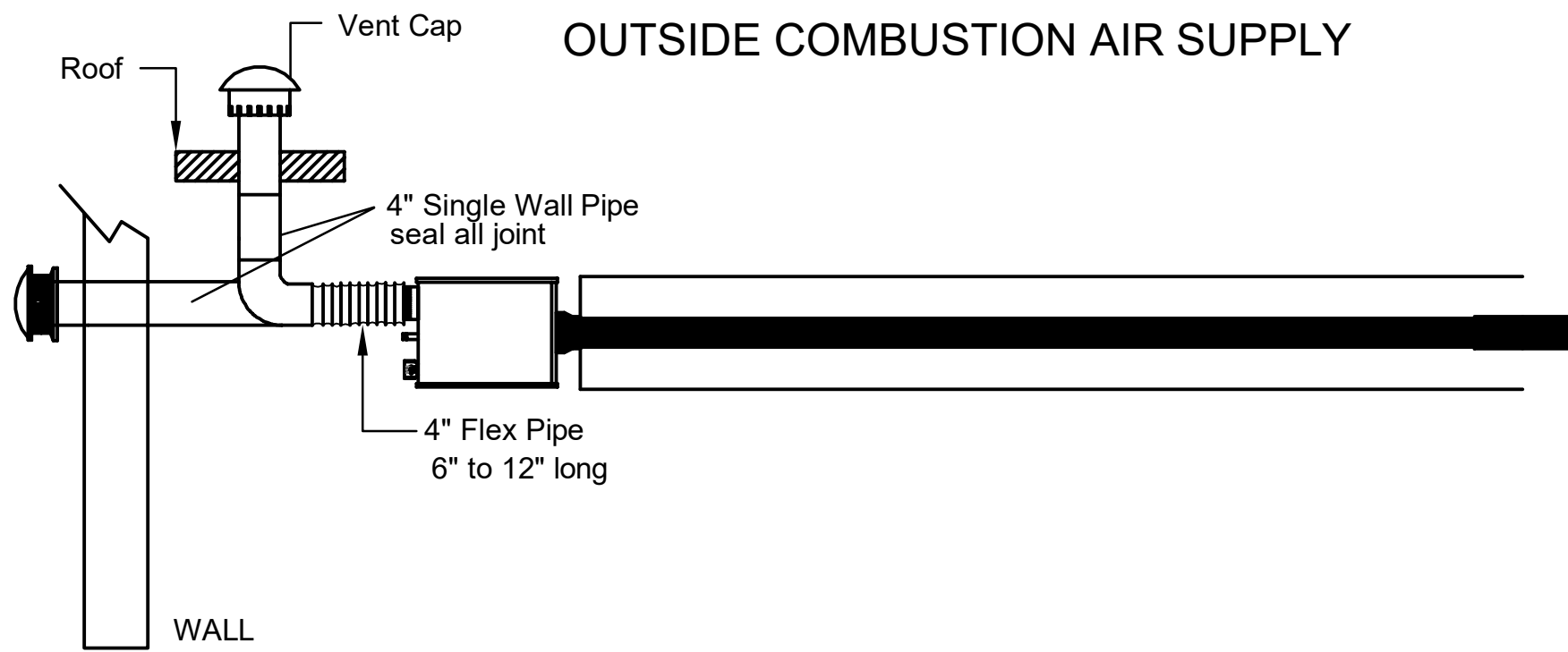
1 FLEXIBLE FIBROUS RECTANGULAR/EXPOSED DUCT INSULATION DETAIL
M4.20 NO SCALE



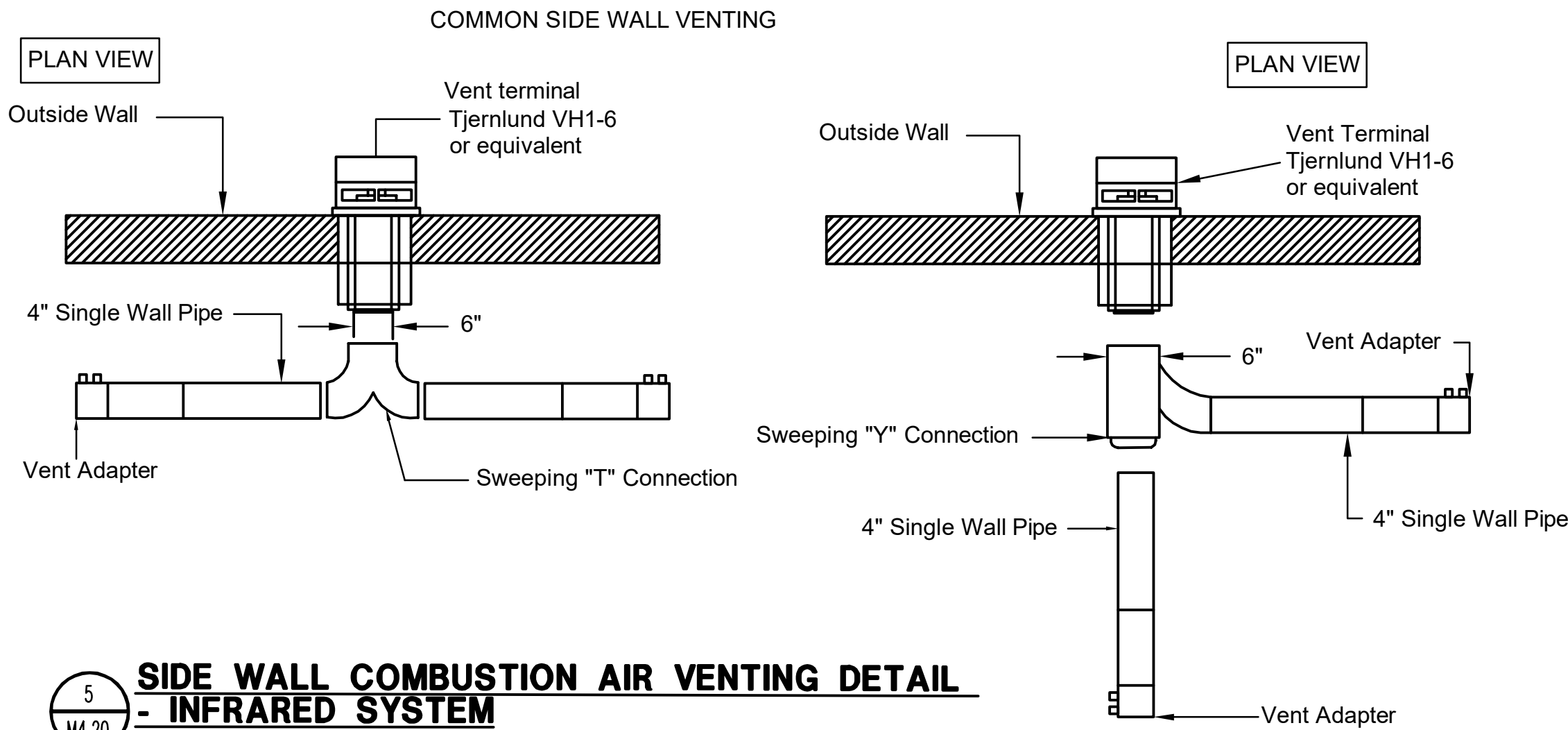
2 TYPICAL DUCTWORK CONNECTIONS
M4.20 NO SCALE



3 DUCT CONNECTION TO WALL LOUVER DETAIL
M4.20 NO SCALE



4 OUTSIDE COMBUSTION AIR SUPPLY DETAIL - INFRARED SYSTEM
M4.20 NO SCALE



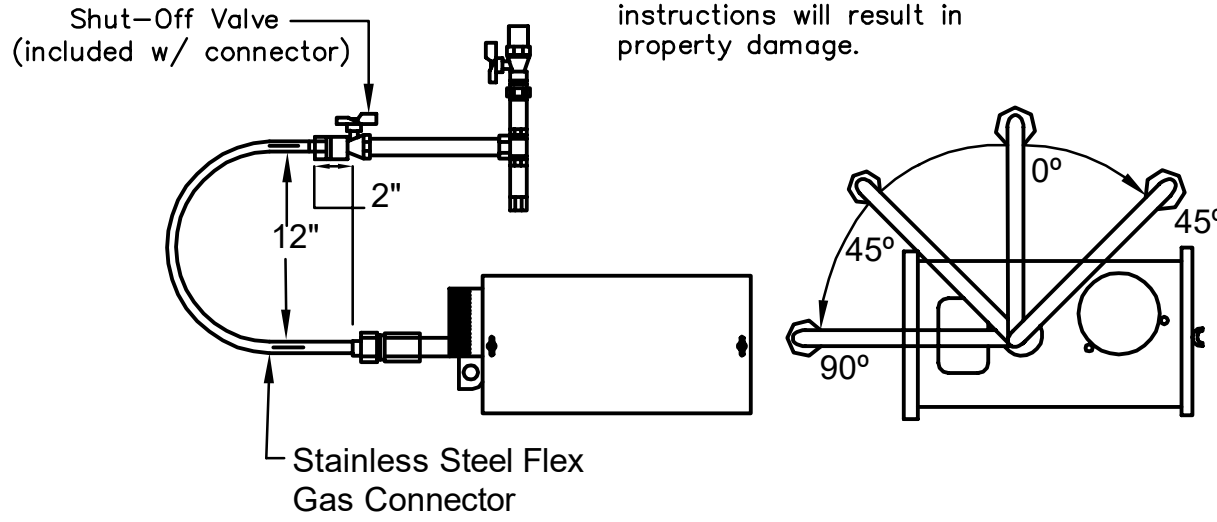
5 SIDE WALL COMBUSTION AIR VENTING DETAIL - INFRARED SYSTEM
M4.20 NO SCALE

- Refer to Installation, Operation and Service Manual for proper design.
- Maximum of two units may be vented together into a 6" (15 cm) diameter common vent.
- Units must be same BTU input.
- Units must be controlled from one common thermostat.
- Use Sweeping "T", or sweeping "Y" connection.
- When heater extension packages are used, they directly effect maximum vent length. Refer to Installation, Operation and Service Manual for requirements.

CAUTION

Hold gas line securely with pipe wrench when attaching the flex gas connector.

Failure to follow these instructions will result in property damage.



6 GAS CONNECTION TO INFRARED HEATER DETAIL
M4.20 NO SCALE

Gas pipe work must be installed and tested in accordance with United States ANSI Z223.1/NFPA 54 latest addition and Canada CNA/CSA-B149.1 and B149.2

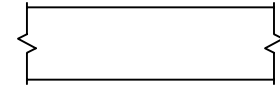
- Install the flex gas connector as shown. The flex gas connector accommodates expansion of the heating system and allows for easy installation and service of the burner.
- Shut-Off Valve must be parallel to burner inlet. The 2" displacement shown is for the cold condition. This displacement may reduce when the system is fired.

MECHANICAL SYSTEM (HVAC) SYMBOLS

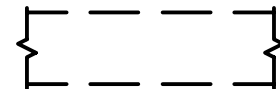
⊕ HUMIDISTAT
⊗ WALL MOUNTED THERMOSTAT/SENSOR
⊗^R REVERSE ACTING THERMOSTAT/SENSOR
\$ SWITCH



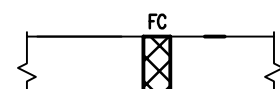
NEW DUCTWORK



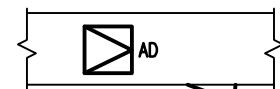
EXISTING TO REMAIN DUCTWORK



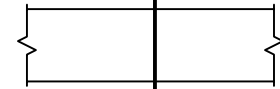
EXISTING TO BE REMOVED DUCTWORK



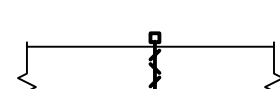
FLEXIBLE DUCT CONNECTION



ACCESS DOOR ON TOP, BOTTOM OR SIDE OF DUCT



SINGLE BLADE OR OPPOSED BLADE
MANUAL VOLUME DAMPER.



AUTOMATIC CONTROL DAMPER



EXHAUST DUCT UP TO ROOF MOUNTED
EXHAUST FAN OR VENTILATOR.



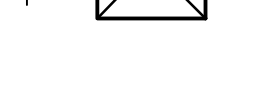
SQUARE NECK DROP TO SQUARE DIFFUSER
(ARROW SHOWS DIRECTION OF THROW)



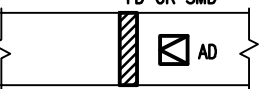
ROUND NECK DROP TO ROUND DIFFUSER
(ARROW SHOWS DIRECTION OF THROW)



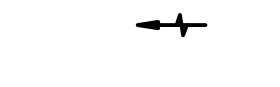
ROUND NECK DROP TO SQUARE DIFFUSER
(ARROW SHOWS DIRECTION OF THROW)



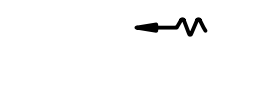
VERTICAL FIRE DAMPER OR SMOKE
DAMPER (ON HORIZONTAL DUCT AT
WALL) WITH ACCESS DOOR.



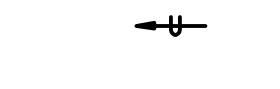
AIR SUPPLY FLOW



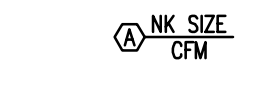
EXHAUST OR RETURN AIR FLOW



UNDERCUT DOOR



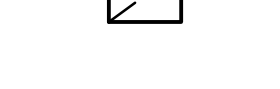
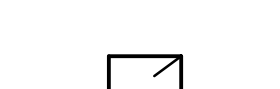
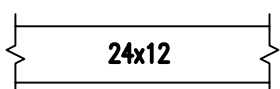
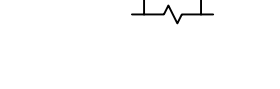
WALL OR DUCT MOUNTED SUPPLY REGISTER
OR GRILLE (TOP NO. = SIZE OF FACE OR
NECK, BOTTOM NO. = AMOUNT OF AIR,
LETTER INDICATES TYPE).



BOTTOM MOUNTED REGISTER OR GRILLE.



DUCT SIZE FREE AREA (1ST NUMBER IS DUCT
WIDTH ON PLAN VIEW, 2ND NUMBER IS DUCT
DEPTH IN PLAN VIEW).



SUPPLY OR FRESH AIR DUCT UP

RETURN OR EXHAUST AIR DUCT UP

SUPPLY OR FRESH AIR DUCT DOWN

RETURN OR EXHAUST AIR DUCT DOWN

RISE OR DROP IN SUPPLY DUCT (TOP VIEW) ARROW DIRECTION OF FLOW

INCLINED RISE (R) OR DROP (D), ARROW IN DIRECTION OF AIR FLOW

90° ELBOW WITH TURNING VANES

SHORT RADIUS ELBOW (R=1/2 W)

LONG RADIUS ELBOW (R= W)

90° BRANCH TAKE-OFF W/45 DEGREE ENTRY
(L=1/4 W - 4" MIN.) W/VOLUME DAMPER IN BRANCH DUCT.

HEATING COIL WITH ACCESS DOOR IN DUCT

ROUND FLEXIBLE DUCT

ROUND OR OVAL DUCT (——— INDICATES
CENTER LINE OF DUCT)

45° LATERAL FITTING (ROUND FITTING).

ROUND DUCT TRANSITION [L₂ = A-B (4" MIN.)]

ROUND DUCT UP

ROUND DUCT DOWN

CROSS-SECTION OF ROUND DUCT

UNEQUAL SIZE (90° - Y) ELBOW

EQUAL SIZE (90° - Y) ELBOW

90° BRANCH TAKE-OFF FROM MAIN

SQUARE OR RECTANGLE DUCT TRANSITION

UNEQUAL SIZE (90° - T) ELBOW

SQUARE OR RECTANGLE TO ROUND DUCT TRANSITION

DUCT OFFSET W/FULL RADIUS ELBOWS (R = W)

SINGLE DUCT TERMINAL UNIT WITH HEATING COIL

FAN POWERED BOX WITH HEATING COIL

THRU THE DOOR GRILLE - ARROW INDICATES TYPE AND
DIRECTION OF AIR FLOW THRU GRILLE.

UNDER CUT DOOR - ARROW INDICATES TYPE AND
DIRECTION OF AIR FLOW UNDER DOOR.

EQUIPMENT TYPE
EQUIPMENT #

DEMOLITION NOTE
REFERENCE NUMBER

PLAN NOTE TAG

COMPRESSED AIR

NATURAL GAS

DRAIN LINE

LINE ARROW INDICATES DIRECTION OF FLOW

PITCH OF PIPE (DOWN)

PIPE ELBOW (TURNED UP)

PIPE ELBOW (TURNED DOWN)

PIPE TEE DOWN (DROP)

PIPE TEE UP

PIPE TEE UP OR ANGLE

PIPE TEE DOWN OR ANGLE

PIPE TEE HORIZONTAL

90° ELBOW IN HORIZONTAL PIPE RUN

ANGLE ELBOW IN HORIZONTAL PIPE RUN

NEW CONNECTION

BALL VALVE

PRESSURE REDUCING VALVE

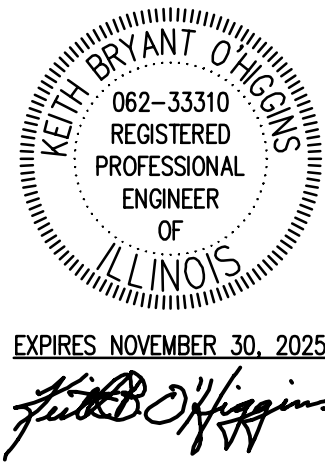
PIPE SLEEVE

GENERAL NOTES - ALL CONTRACTORS

- DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
- IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLARITY OF PRESENTATION.
- CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITION AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
- CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
- WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS, SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL BE RESPONSIBLE, AT HIS OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
- CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS ANY STRUCTURAL BUILDING MEMBER.
- THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN CONTRACTOR AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS CALLED FOR IN THE SPECIFICATION AND/OR AS DIRECTED.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING HIS BID) TO FAMILIARIZE HIMSELF WITH THE EXTENT OF THE GENERAL CONTRACTOR WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING HIS WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR, TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/ REPLACEMENT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN CLEAN UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN UP AND THE NEGLIGENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
- CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
- UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ ENGINEER IMMEDIATELY.
- CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/ OR WOOD PALLETS. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARP OR VISQUIN. ALL PIPING AND DUCTWORK WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED ON THE SITE UNLESS IT IS SITTING ON WOOD PLANKS AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
- THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT LISTED AS A SPECIFIED ACCEPTABLE MANUFACTURER BUT IS NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE ON THE EQUIPMENT.
- CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEETS THE CAPACITY AND DUTY SPECIFIED. WHEN EQUIPMENT IS SUBMITTED FOR REVIEW AND DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
- CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ROOMS, ETC. FOR ACCESS OF THE NEW EQUIPMENT INTO OR REMOVAL OF EXISTING EQUIPMENT FROM THE BUILDING. IF OPENINGS ARE TOO SMALL FOR ACCESS THEN CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROVIDE NEW OR ENLARGED OPENINGS AND RESTORE SAME TO ORIGINAL SIZE AND CONDITION. CONTRACTOR MAY ELECT TO ORDER THE EQUIPMENT DISASSEMBLED AND/OR WITH SPLIT HOUSING FOR ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS IN THE SPACE AT HIS OWN EXPENSE.

MECHANICAL ABBREVIATIONS LIST

AC	AIR COMPRESSOR	FC	FLEXIBLE CONNECTION	PD	PRESSURE DROP
AD	ACCESS DOOR	FCU	FAN COIL UNIT	PHC	PREHEAT COIL
AFF	ABOVE FINISHED FLOOR	FD	FLOOR DRAIN	PRV	PRESSURE REDUCING VALVE
AP	ACCESS PANEL	FFA	FROM FLOOR ABOVE	PS	PIPE SLEEVE
BHP	BRAKE HORSE POWER	FFB	FROM FLOOR BELOW	PSI	POUNDS PER SQUARE INCH
BOP	BOTTOM OF PIPE	FID	FIRE DAMPER	PTU	PACKAGED TERMINAL UNIT
BTU	BRITISH THERMAL UNIT	FPF	FINS PER FOOT	RAD	RETURN AIR DAMPER
BTUH	BRITISH THERMAL UNIT PER HOUR	FPM	FEET PER MINUTE	RED	RETURN AIR DUCT
BV	BALL VALVE	FT	FINNED TUBE	RF	RETURN AIR FAN
CA	COMPRESSED AIR	FV	FACE VELOCITY	RH	RELIEF HOOD
CFM	CUBIC FEET PER MINUTE	G	GAS PIPING	RHC	REHEAT COIL
CO	CLEANOUT	GPM	GALLONS PER MINUTE	RPM	REVOLUTIONS PER MINUTE
CRP	CONDENSATE RETURN PUMP	GUH	GAS FIRED UNIT HEATER	RTU	ROOF TOP UNIT
CU	CONDENSING UNIT	HC	HEATING COIL	SF	SUPPLY FAN
CUH	CABINET UNIT HEATER	HX	HEAT EXCHANGER	SP	STATIC PRESSURE
D	DRAIN LINE	HP	HORSEPOWER	SUD	SUPPLY DUCT
DB	DRY BULB	HPU	HEAT PUMP UNIT	SUH	SUSPENDED UNIT HEATER
DC	DOOR GRILLE	IH	INTAKE HOOD	TFA	TO FLOOR ABOVE
DN	DOWN	LAT	LEAVING AIR TEMPERATURE	TFB	TO FLOOR BELOW
EAD	EXHAUST AIR DAMPER	LWT	LEAVING WATER TEMPERATURE	TSP	TOTAL STATIC PRESSURE
EAT	ENTERING AIR TEMPERATURE	MAU	MAKE-UP AIR UNIT	UC	UNDERCUT DOOR
EC	EXPANSION COMPENSATOR	MOD	MOTOR OPERATED DAMPER	UV	UNIT VENTILATOR
EF	EXHAUST FAN	NC	NEW CONNECTION	WAF	WARM AIR FURNACE
EH	EXHAUST HOOD	NK	NECK	WB	WET BULB
EUH	ELECTRIC UNIT HEATER	OAD	OUTDOOR AIR DAMPER	WC	WATER COLUMN
EWI	ELECTRIC WALL HEATER	OAD	OUTSIDE AIR DUCT	WL	WALL LOUVER
EXD	EXHAUST DUCT	OV	OVAL		
F	FAHRENHEIT	PA	PIPE ANCHOR		



BA
BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

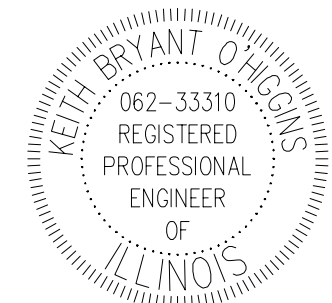
SYMBOLS - MECHANICAL

Ref. North

Sheet No.

M500

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



EXPIRES NOVEMBER 30, 2025

Keith Bryant O'Higgins

BA

BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

1/8" = 1'-0"

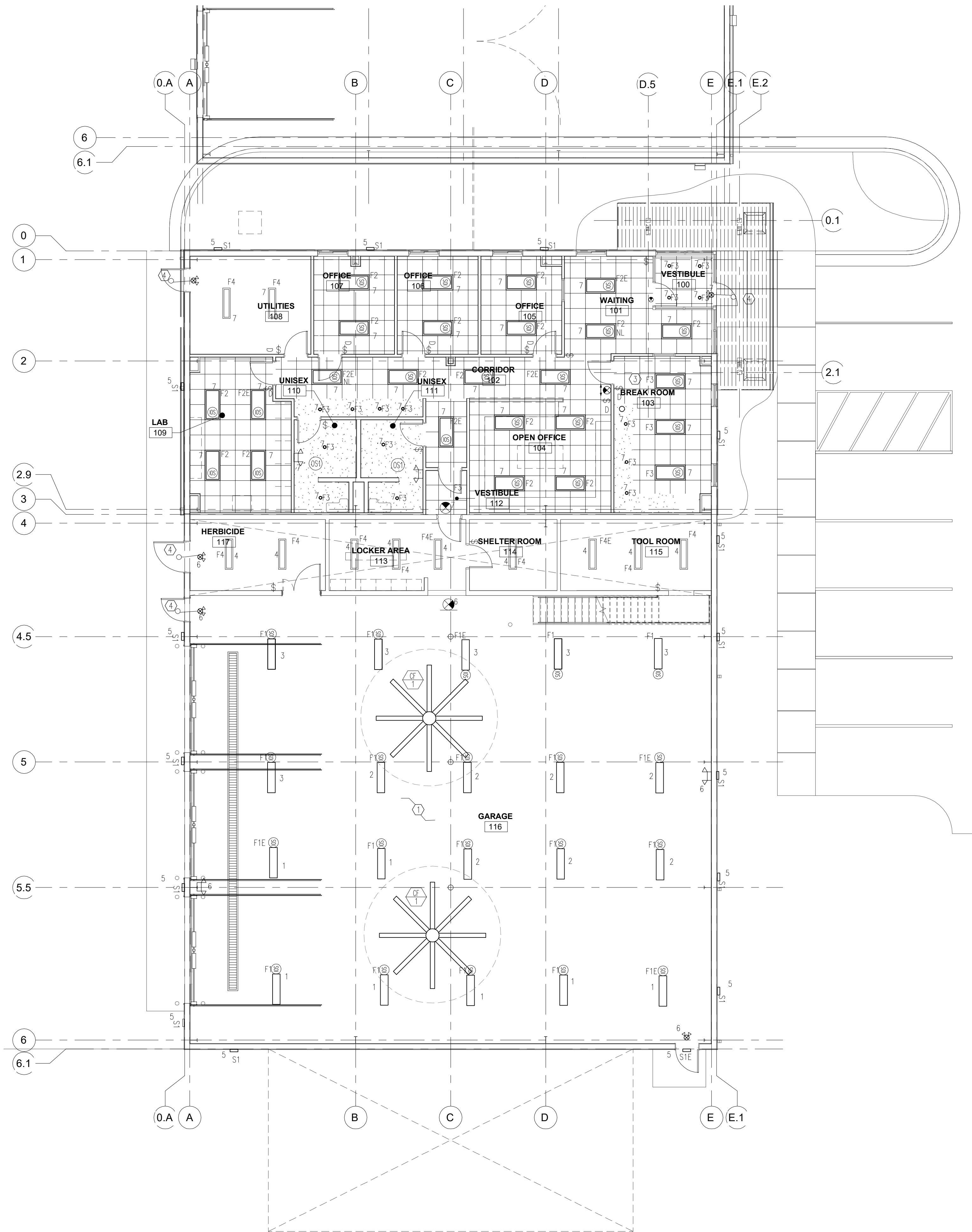
Sheet Title
**FLOOR PLAN - ELECTRICAL
- LIGHTING**

Ref. North

Sheet No.

E110

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



GENERAL ELECTRICAL NOTES:

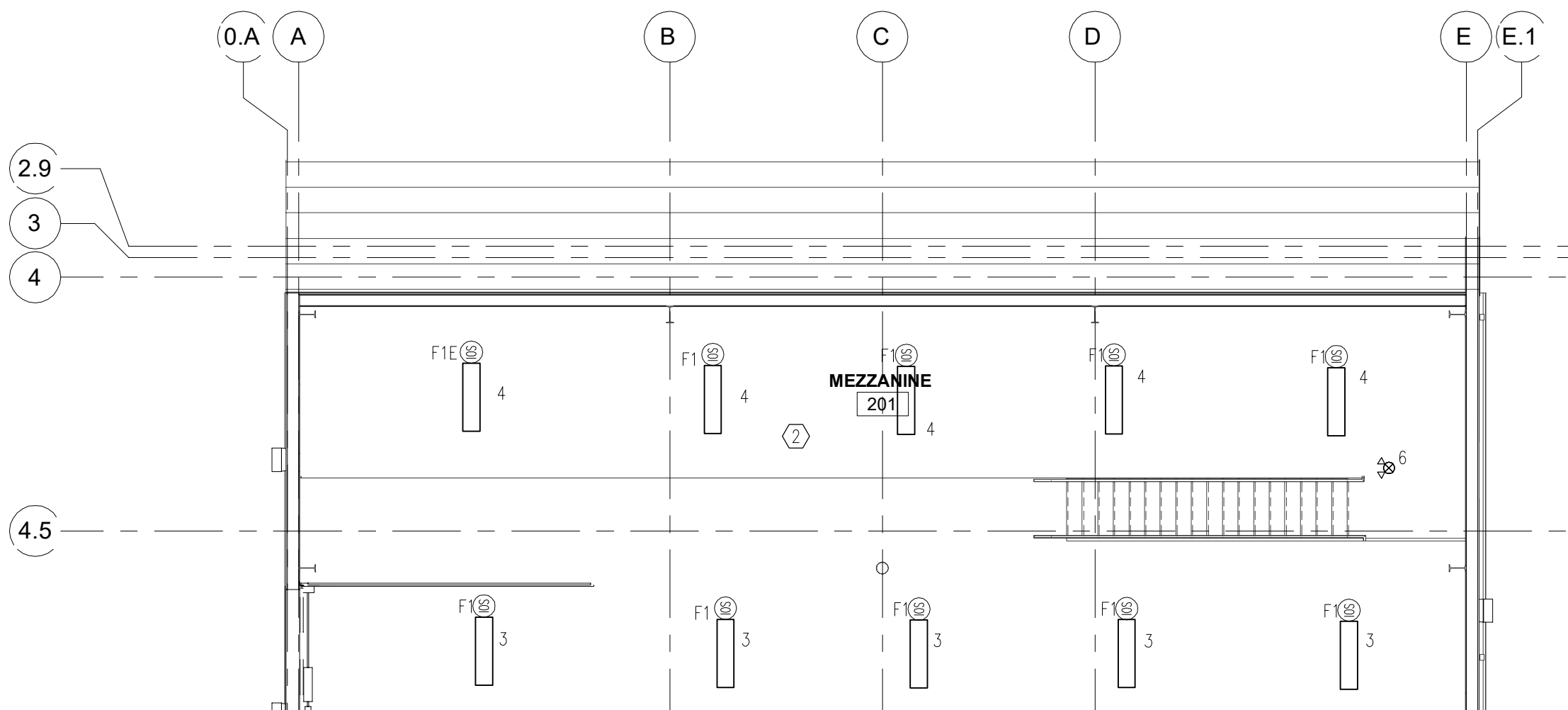
1. LIGHTING CONTROL SYSTEM FOR NEW LIGHT AREAS IS nLIGHT BY ACUTY.
2. ALL LIGHTING CONTROL SHALL COMPLY WITH 2021 IECC, WHETHER SPECIFICALLY INDICATED OR NOT. PROVIDE ALL PERIPHERAL COMPONENTS, INCLUDING PROGRAMMING, AS REQUIRED TO ACHIEVE THIS PURPOSE.
3. FINAL LIGHTING CONTROL PROGRAMMING DECISIONS SHALL BE BY OWNER. CONTRACTOR SHALL DEDICATE A FULL DAY TO COORDINATE HOW THE LIGHTING CONTROL SYSTEM SHALL BE PROGRAMMED. PROVIDE LASER-ETCHED SWITCH LABELS PER OWNER DIRECTION.
4. CONNECT EMERGENCY LIGHTS AND EXIT SIGNS TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT.
5. FOR ALL LIGHT FIXTURES NOT SUPPLIED WITH nLIGHT CONTROLS, PROVIDE POWER PACKS IN QUANTITIES AND LOCATIONS AS REQUIRED FOR COMPLETE LIGHTING CONTROL, WHETHER SPECIFICALLY INDICATED OR NOT.
6. FOR ADDITIONAL INFORMATION REGARDING nLIGHT CONTROL SYSTEM, CONTACT KELLI COTTER AT (312) 614-0960.
7. EXTERIOR LIGHTING ON THIS SHEET IS FED FROM PANEL "____", cct. ____., UNLESS SPECIFICALLY NOTED OTHERWISE. PROVIDE ASTRONOMIC TIMER CONTROL CAPABILITIES WITHIN LIGHTING CONTROL SYSTEM TO CONTROL EXTERIOR LIGHTING.

ELECTRICAL KEY NOTES:

- ① COORDINATE FINAL LOCATION OF LIGHT FIXTURES WITH OTHER EQUIPMENT WITHIN THE ROOM, INCLUDING BUT NOT LIMITED TO DUCTWORK, PUMPS, PIPING, ETC.
- ② FIXTURES ARE ABOVE MEZZANINE.
- ③ PROVIDE TWO (2) SWITCHES. ONE FOR OVERHEAD 2'X4'S, & ONE FOR DOWNLIGHTS.
- ④ PROVIDE REMOVE EXTERIOR HEAD ON EXIT/EMERGENCY LIGHT.

LIGHTING CONTROL SYMBOLS:

- \$^D nLIGHT #nPODMA DX XX - WIRED AESTHETIC WALLPOD, RAISE/LOWER DIMMING.
- \$ nLIGHT #nPODMA XX - WIRED AESTHETIC WALLPOD.
- ⑤1 nLIGHT #NCM 6 RUB - LOW VOLTAGE CEILING MOUNT SENSOR, HIGH BAY 360° LENS.
- ⑤5 INTEGRAL OCCUPANCY SENSOR.
- ⑤PP nLIGHT #nPP16 D EFP - POWER/RELAY PACK, 0-10V DIMMING, EXTERNAL FAULT PROTECTION. (NOT SHOWN - PROVIDE IN NUMBER(S) REQUIRED.)
- ⑤PP nLIGHT #nPP16 EFP - POWER/RELAY PACK, EXTERNAL FAULT PROTECTION. (NOT SHOWN - PROVIDE IN NUMBER(S) REQUIRED.)



Mezzanine Plan - Electrical - Lighting

1/8" = 1'-0"

Floor Plan - Electrical - Lighting

1/8" = 1'-0"

FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\305-A-1 - E210 Floor Plan - Power - Electrical
DATE PLOTTED: 10/24/2025 12:24 PM
PLOTTED BY: CARL FUEGL

- KEYED NOTES
- 1

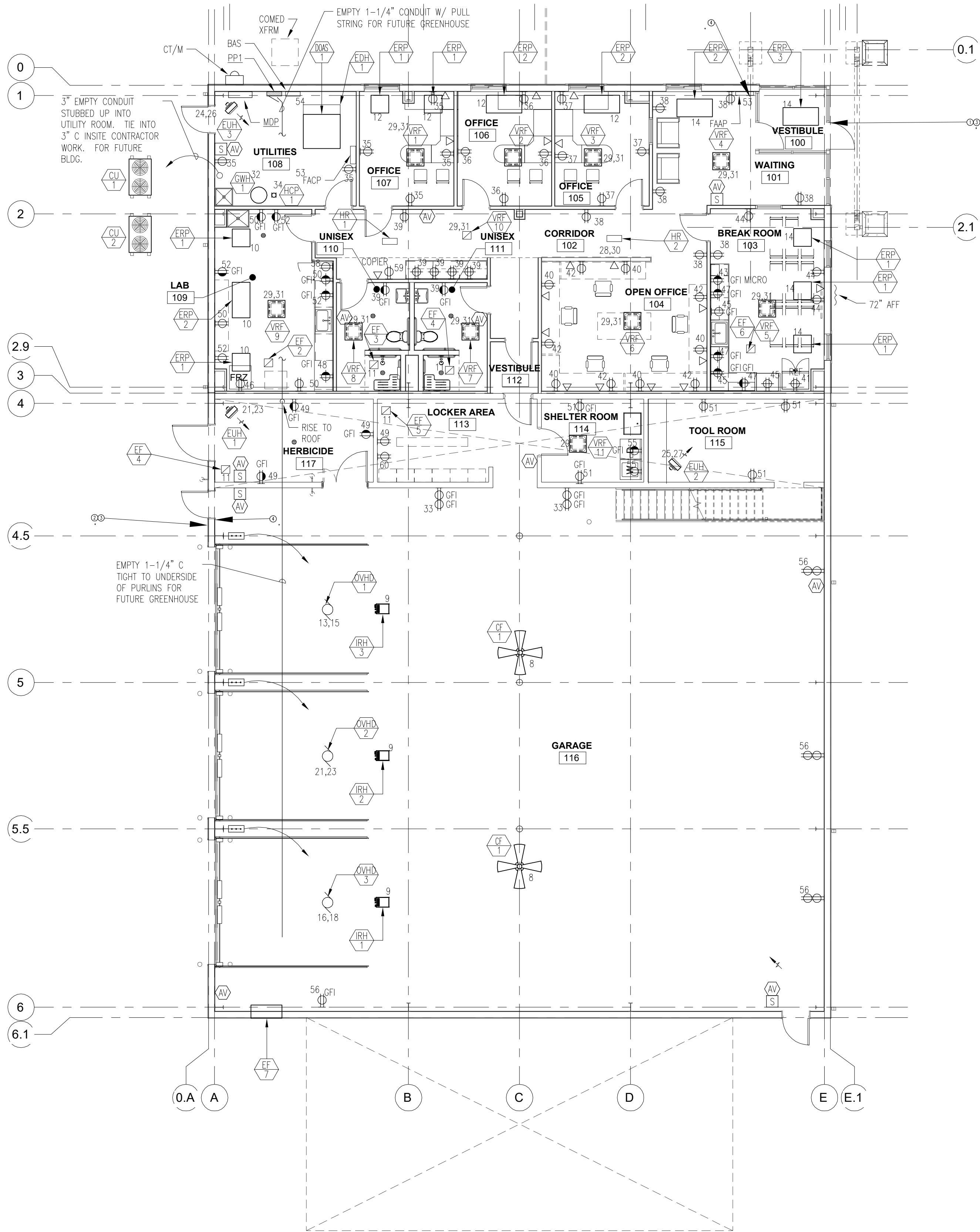
PROVIDE EMPTY CONDUIT AND DOOR MULLION BOX FOR DOOR ACCESS CONTROL. CONDUIT TO BE STUBBED OUT ABOVE CEILING.
- 2

PROVIDE EMPTY CONDUIT AND WALL BOX FOR DOOR ACCESS CONTROL. CONDUIT TO ELBOW OUT INTO SPACE +/- 10'-0" AFF.
- 3

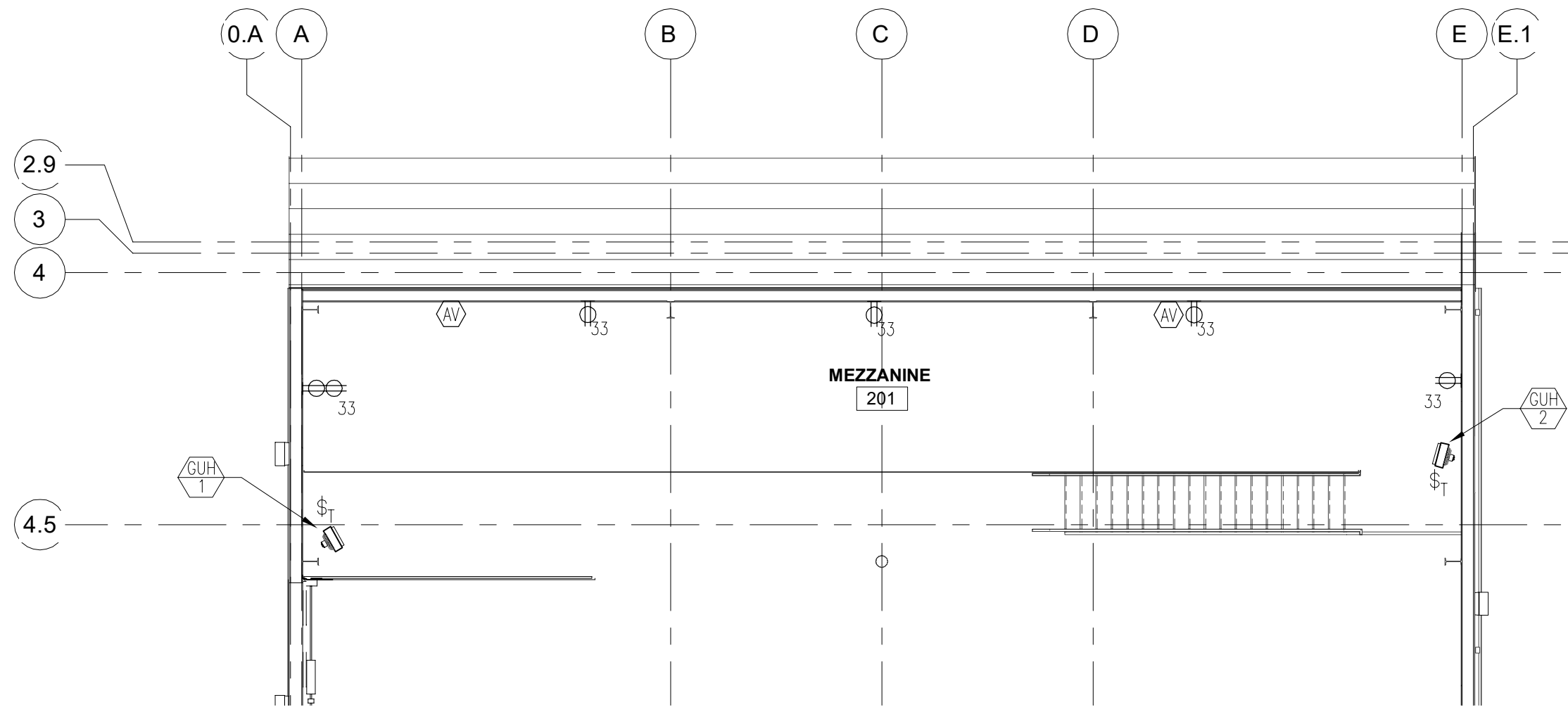
PROVIDE POWER TO DOOR STRIKE IN HARDWARE.
- 4

PROVIDE EMPTY CONDUIT AND WALL BOX FOR BURGLAR ALARM KEYPAD. CONDUIT TO BE STUBBED UP ABOVE CEILING, OR ELBOWED INTO SPACE AT +/- 10'-0" AFF.

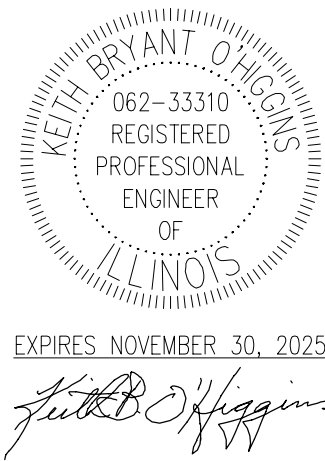
NOTE:
OWNER WILL FURNISH AND INSTALL AN ACCESS CONTROL SYSTEM AND BURGLAR ALARM SYSTEM.



Floor Plan - Power - Electrical
1/8" = 1'-0"



Mezzanine Plan - Power - Electrical
1/8" = 1'-0"



BA
BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

1/8" = 1'-0"

Sheet Title

FLOOR PLAN - POWER
- ELECTRICAL

Ref. North

Sheet No.



E210

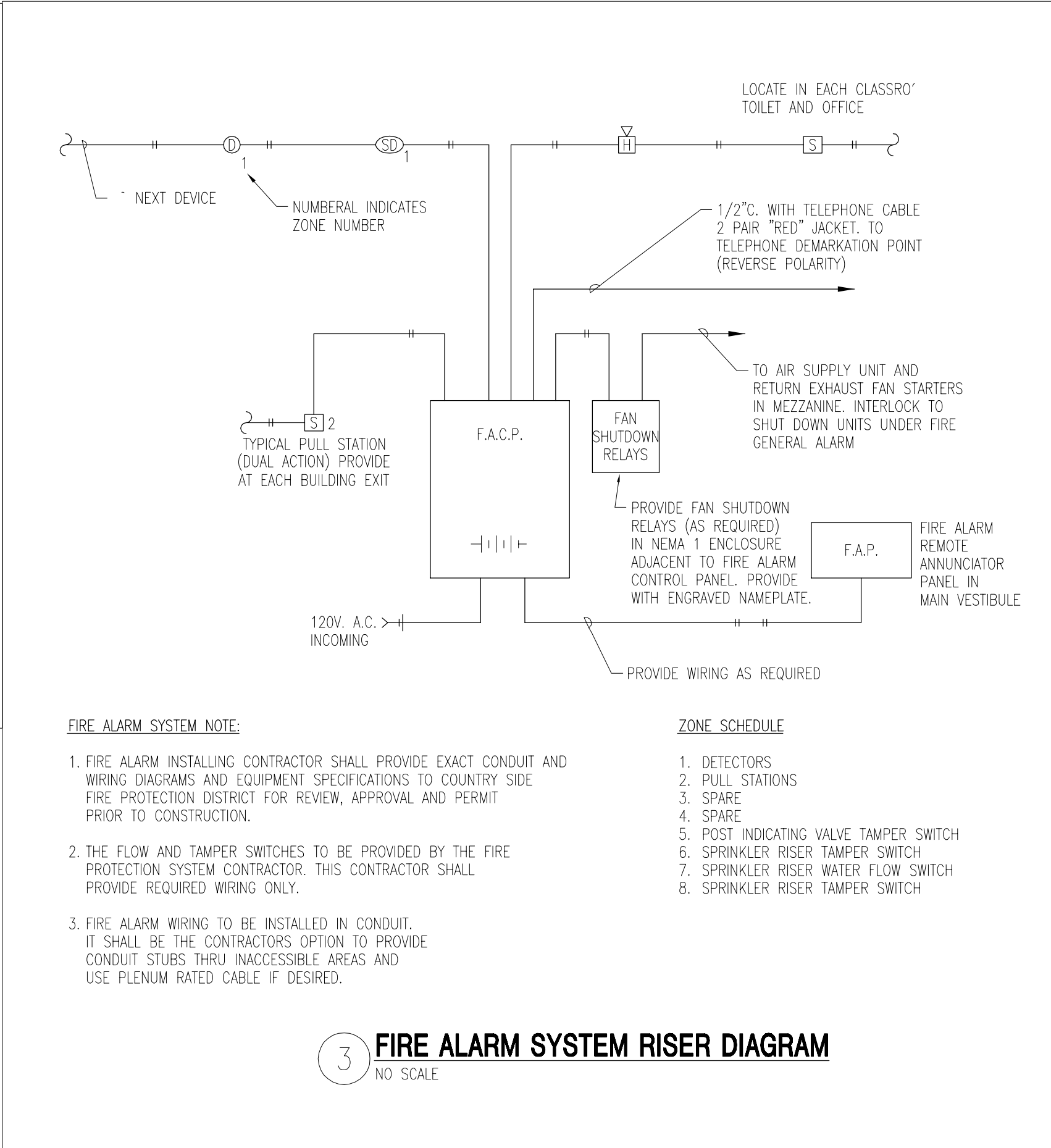
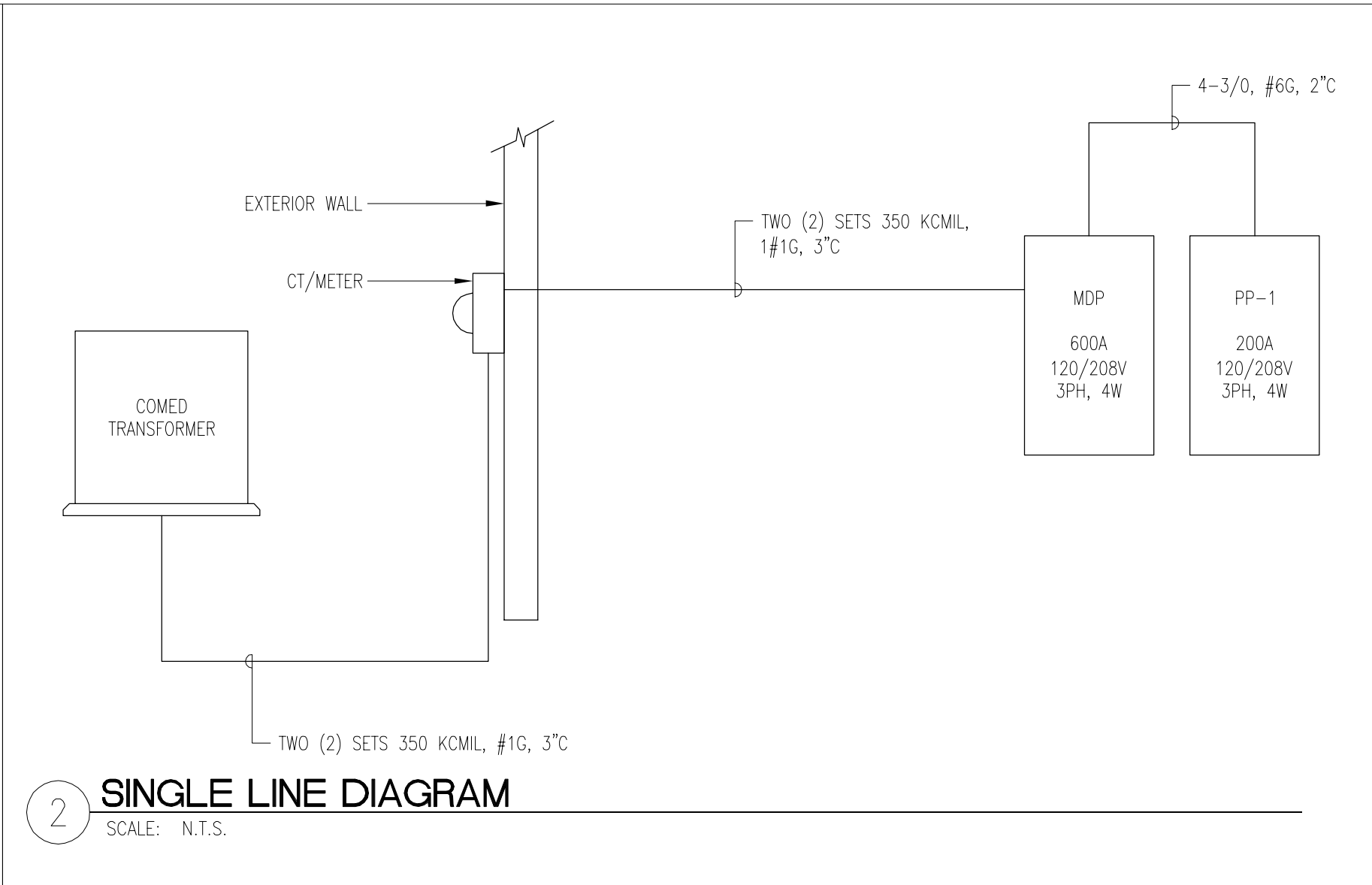
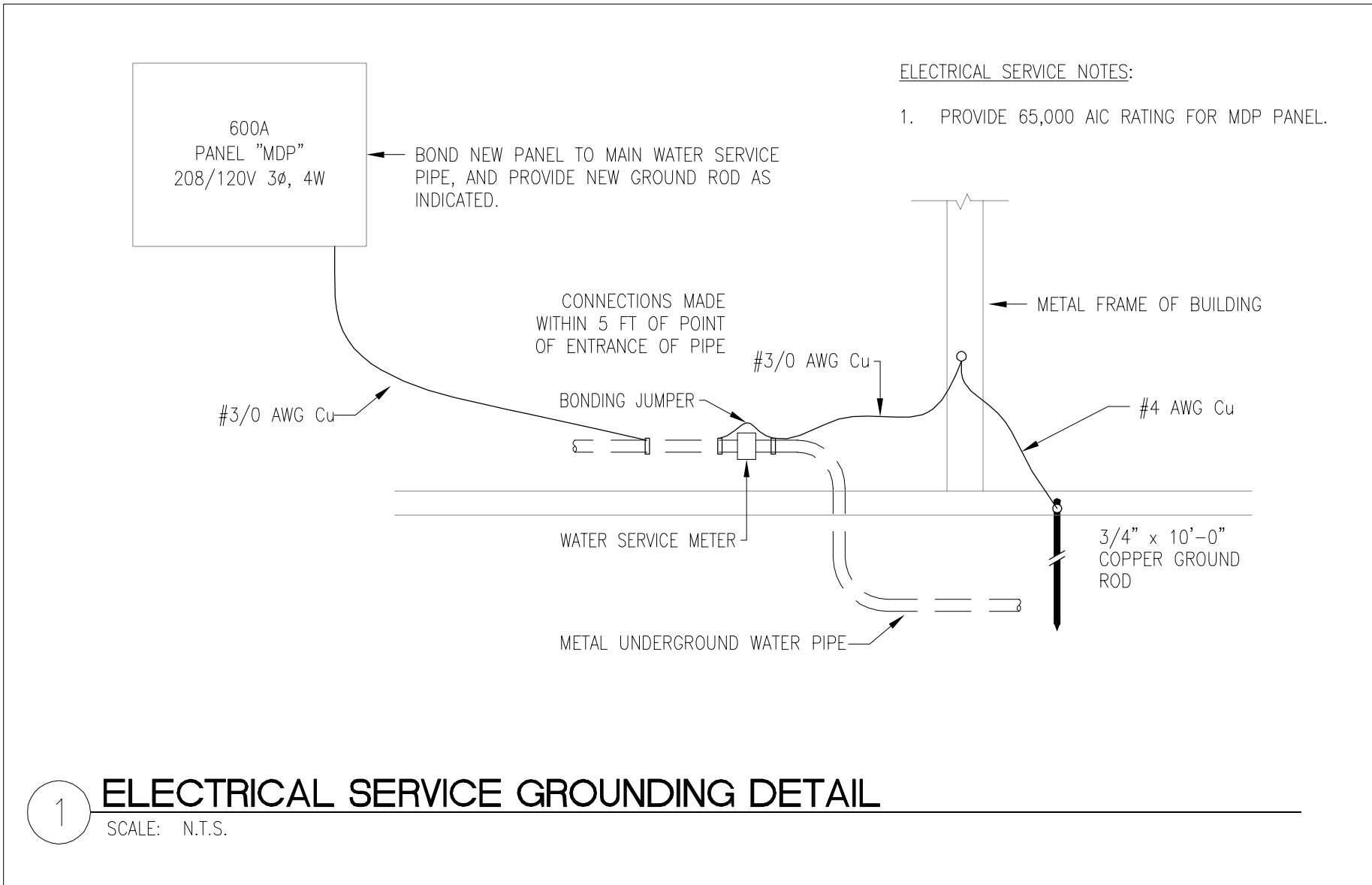
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

MOTOR AND EQUIPMENT SCHEDULE																
EQUIP. TAG	DESIGNATED TAG	LOCATIONS	LOAD					FEEDER	SOURCE OF POWER		PROTECT (AMPERES)	STARTER		DISCONNECT		REMARKS
			VOLTS	PHASE	H.P.	AMP	KVA		PANEL	CCT. NO.		SIZE	TYPE	SIZE	TYPE	
CF 1	CEILING FAN	GARAGE	120	1	–	0.9	–	①	PP-1	8	20A 1P	–	–	PROVIDE NEMA5-20R ADJACENT TO EACH FAN		TYP. OF 2
CU 1	CONDENSING UNIT	GRADE	208	3	–				MDP	2		–	–	___A 3P ___A FUSES		NEMA 3R
CU 2	CONDENSING UNIT	GRADE	208	3	–				MDP	3		–	–	___A 3P ___A FUSES		NEMA 3R
EDH 1	ELECTRIC DUCT HEATER (DOAS)		208	3	–	40			MDP	5	40A, 3P	–	–	50A 3P	DISCONNECT	
EF 1	EXHAUST FAN	HERBICIDE 117	120	1	–	1.5	–	①	PP-1	11	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
EF 2	EXHAUST FAN	LAB 109	120	1	–	1.5		①	PP-1	11	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
EF 3	EXHAUST FAN	UNISEX TOILET 110	120	1	–	1.5	–	①	PP-1	11	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
EF 4	EXHAUST FAN	UNISEX TOILET 111	120	1	–	1.5		①	PP-1	11	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
EF 5	EXHAUST FAN	LOCKER ROOM 113	120	1		1.5	–	①	PP-1	11	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	TYP. OF 8
EF 6	EXHAUST FAN	BREAK ROOM 103	120	1	–	1.5		④	PP-1	11	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
EF 7	EXHAUST FAN	GARAGE 116	208	3	–	10			MDP	6	20A, 3P	–	–	20A 3P	DISCONNECT	TYP. OF 8
ERP 1	ELECTRIC RADIANT CEILING PANEL	SEE PLANS	120	1	–	6.3		①	PP-1	SEE SCHEDULE	20A, 1P	–	–	20A 1P	TOGGLE	TYP. OF 4
ERP 2	ELECTRIC RADIANT CEILING PANEL	SEE PLANS	120	1	–	3.1		①	PP-1	SEE SCHEDULE	20A, 1P	–	–	20A 1P	TOGGLE	TYP. OF 1
ERP 3	ELECTRIC RADIANT CEILING PANEL	SEE PLANS	120	1	–	8.5		①	PP-1	SEE SCHEDULE	20A, 1P	–	–	20A 1P	TOGGLE	TYP. OF 4
OVHD 1	OVERHEAD DOOR-1	GARAGE	208	1	–	9.0		①	PP-1	13,15	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	TYP. OF 1
OVHD 2	OVERHEAD DOOR-2	GARAGE	208	1	–	9.0		①	PP-1	17,19	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
OVHD 3	OVERHEAD DOOR-3	GARAGE	208	1	–	9.0		①	PP-1	16,18	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	
DOAS 1	DEDICATED OUTDOOR AIR	UTILITIES 108	208	1	–	7.5		①	PP-1	20,22	15A, 2P	–	–	20A 2P	TOGGLE	
EUH 1	ELECTRIC UNIT HEATER	HERBICIDE 117	208	1	–			③	PP-1	21,23	20A, 2P	–	–	FURNISHED BY MANUFACTURER		
EUH 2	ELECTRIC UNIT HEATER	TOOL ROOM 115	208	1	–			③	PP-1	25,27	20A, 2P	–	–	FURNISHED BY MANUFACTURER		
EUH 3	ELECTRIC UNIT HEATER	UTILITIES 108	208	1	–			③	PP-1	24,26	20A, 2P	–	–	FURNISHED BY MANUFACTURER		
HRRU 1	HEAT RECOVERY UNIT	CORRIDOR 102	208	1	–	0.2		②	PP-1	28,30	20A, 2P	–	–	20A 2P	TOGGLE	
HRRU 2	HEAT RECOVERY UNIT	CORRIDOR 102	208	1	–	0.2		②	PP-1	28,30	20A, 1P	–	–	20A 2P	TOGGLE	
IRH 1	INFRARED HEATER	GARAGE	120	1	–	1.0		①	PP-1	9	20A, 1P	–	–	20A 1P	TOGGLE	
IRH 2	INFRARED HEATER	GARAGE	120	1	–	1.0		①	PP-1	9	20A, 1P	–	–	20A 1P	TOGGLE	
IRH 3	INFRARED HEATER	GARAGE	120	1	–	1.0		①	PP-1	9	20A, 1P	–	–	20A 1P	TOGGLE	
IRH 4	INFRARED HEATER	GARAGE	120	1	–	1.0	–	①	PP-1	9	20A, 1P					
VRF 1	VARIABLE REFRIGERANT FLOW	OFFICE 107	208	1	–	0.2		②	PP-1		15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 2	VARIABLE REFRIGERANT FLOW	OFFICE 106	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 3	VARIABLE REFRIGERANT FLOW	OFFICE 105	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 4	VARIABLE REFRIGERANT FLOW	WAITING 101	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 5	VARIABLE REFRIGERANT FLOW	BREAK ROOM 103	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 6	VARIABLE REFRIGERANT FLOW	OPEN OFFICE 104	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 7	VARIABLE REFRIGERANT FLOW	UNISEX TOILET 111	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 8	VARIABLE REFRIGERANT FLOW	UNISEX TOILET 110	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 9	VARIABLE REFRIGERANT FLOW	LAB 109	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 10	VARIABLE REFRIGERANT FLOW	CORRIDOR 102	208	1	–	0.2		②	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
VRF 11	VARIABLE REFRIGERANT FLOW	SHELTER ROOM 114	208	1	–	0.2	–	①	PP-1	29,31	15A, 2P	–	–	20A 2P	TOGGLE	FED FROM CU-1
GWHA 1	GAS WATER HEATER	UTILITIES 108	120	1	–	1.9		①	PP-1	32	20A, 1P	–	–	20A 1P	TOGGLE	
HCCP 1	HOT WATER CIRCULATION PUMP	UTILITIES 108	120	1	–	2.3	–	①	PP-1	34	20A, 1P	–	–	20A 1P	THERMAL OVERLOAD	

LIGHTING FIXTURE SCHEDULE									
TYPE	NO.	LAMP TYPE	MOUNTING	ACCEPTABLE MANUFACTURER AND CATALOG NUMBER	VOLTS	INPUT WATTS	DESCRIPTION	REMARKS	
F1		LED	SURFACE/ SUSPENDED	H.E. WILLIAMS #0L-4-L3000/840-ND-DM-UNV / OCCSS LSXR-ASLE-UNV EQUIVALENT BY ACUTY	UNV	251	4" NOM. LENGTH LOW-PROFILE LED HIGH BAY ASLE FIXTURE, 30,000 LUMEN PACKAGE, 4000K COLOR TEMPERATURE, 0-10V DIMMABLE, WITH INTEGRAL HIGH-MOUNT AISLEWAY OCCUPANCY SENSOR.	DWS TO 10% AFTER 2 MINUTES OF NOT SENSING MOTION, FULL BRIGHTNESS WHEN MOTION DETECTED. CAN BE SWITCHED OFF DURING OFF HOURS.	
F1E		LED	SURFACE/ SUSPENDED	H.E. WILLIAMS #0L-4-L3000/840-ND-DM-UNV / OCCSS LSXR-ASLE-UNV EQUIVALENT BY ACUTY	UNV	251	SAME AS TYPE "F1" EXCEPT WITH INTEGRAL BATTERY PACK. THESE FIXTURES WILL SERVE AS NIGHT LIGHTS DURING OFF-HOURS, AT 10% BRIGHTNESS UNTIL MOTION IS DETECTED.	DWS TO 10% AFTER 2 MINUTES OF NOT SENSING MOTION, FULL BRIGHTNESS WHEN MOTION DETECTED AND WHEN NORMAL POWER IS LOST. WILL NOT BE SWITCHED OFF DURING OFF HOURS.	
F2		LED	RECESSED GRID	#3TAK 2x4 4000LM 80CRI 35K COLT MIN10 2T MVOLT AP1R	UNV	32	RECESSED LED GRID TROFFER, 4000 LUMENS, 80CRI, 3500K CCT, 0-10V DIMMABLE TO 10%, INTEGRAL AUTO-DIM PHOTOCELL.		
F2E		LED	RECESSED GRID	LITHONIA #3TAK 2x4 4000LM 80CRI 35K COLT MIN10 2T MVOLT E15WLCAP AP1R	UNV	32	SAME AS "F2" FIXTURE EXCEPT WITH INTEGRAL 15W BATTERY PACK.	THESE FIXTURES WILL BE CONTROLLED THE SAME AS OTHER FIXTURES, BUT WILL ILLUMINATE AT FULL BRIGHTNESS DURING NORMAL POWER LOSS.	
F3		LED	RECESSED CEILING	H.E. WILLIAMS #40R-TL-120/835-DM-UNV-OW-OF-WH-WET/CC-I-F1 EQUIVALENT BY ACUTY	UNV	20	4.5" DIA. RECESSED LED DOWNLIGHT, 2000 LUMEN PACKAGE, 3500K COLOR TEMPERATURE, 0-10V DIMMABLE TO 10%, WIDE DISTRIBUTION, OPEN REFLECTOR, WHITE TRIM, UL WET LOCATION	COORDINATE FINAL MOUNTING REQUIREMENTS WITH CEILING TYPE, AND PROVIDE PERIPHERAL COMPONENTS AS REQUIRED.	
F4		LED	SURFACE/ SUSPENDED	H.E. WILLIAMS #73R-4-L65/835-DM-UNV EQUIVALENT BY ACUTY	UNV	49	4" LED STRIP FIXTURE, ROUND LENS, 6,600 LUMEN PACKAGE, 3500K COLOR TEMPERATURE.	PROVIDE PERIPHERAL COMPONENTS AS REQUIRED TO MOUNT FIXTURES AT OPTIMAL HEIGHT, NOT MORE THAN 9'-0" AFF.	
F4E		LED	SURFACE/ SUSPENDED	H.E. WILLIAMS #73R-4-L65/835-DM-UNV EQUIVALENT BY ACUTY	UNV	49	SAME AS "F4" FIXTURE EXCEPT WITH INTEGRAL BATTERY PACK.	THESE FIXTURES WILL BE CONTROLLED THE SAME AS OTHER FIXTURES, BUT WILL ILLUMINATE AT FULL BRIGHTNESS DURING NORMAL POWER LOSS.	
S1		LED	SURFACE WALL	LITHONIA #MPKZLED 50K MVOLT PE DOBXD	UNV	47	WALL MOUNTED LED AREA LIGHT, 6000 LUMENS, 5000K CCT, BUTTON PHOTOCELL, TYPE III DISTRIBUTION, DARK BRONZE FINISH.	MOUNT APPROXIMATELY 15' ABOVE GRADE. COORDINATE FINAL MOUNTINGS WITH ARCHITECTURAL ELEVATIONS AND STRUCTURE AND INSTALL AS REQUIRED.	
S1E		LED	SURFACE WALL	LITHONIA #MPKZLED 50K MVOLT E14WC PE DOBXD					
		LED	UNIVERSAL	LIGHTALARMS #QLX500-RN SERIES EQUIVALENT BY ACUTY	UNV	N/A	RED LED THERMOPLASTIC EXIT SIGN WITH INTEGRAL BATTERY PACK PROVIDE CHEVRONS AND MOUNTING HARDWARE AS REQUIRED PER PLANS/REQUIREMENTS.		
		LED	WALL MOUNTED	LITHONIA #EUZCM6	UNV	1	LED EMERGENCY LIGHT		
		LED	UNIVERSAL	LITHONIA #ECGR-K050M6	UNV	4	LED EXIT COMBO WITH REMOTE CAPACITY. (PROVIDE REMOTE HEAD(S) WHERE INDICATED ON PLAN.)		

FEEDER SCHEDULE		
FEEDER TYPE	WIRE, GROUND & CONDUIT SIZE (COPIES)	GB SIZE
①	2#12 & 1#12G – 3/4"Ø	20A 1P
②	2#12 & 1#12G – 3/4"Ø	20A 2P
③	3#12 & 1#12G – 3/4"Ø	20A 3P
④	2#10 & 1#10G – 3/4"Ø	25A 1P
⑤	2#8 & 1#10G – 3/4"Ø	35A 1P
⑥	3#10 & 1#10G – 3/4"Ø	30A 3P
⑦	3#8 & 1#10G – 3/4"Ø	35A 3P
⑧	2#8 & 1#10G – 3/4"Ø	40A 2P
⑨	2#10 & 1#10G – 3/4"Ø	45A 3P
⑩	3#6 & 1#10G – 3/4"Ø	50A 3P
⑪	3#4 & 1#8G – 1"Ø	70A 3P
⑫	3#3 & 1#8 – 1-1/4"Ø	80A
⑬	4#3/0 & 1#6G – 2"Ø	200A 3P (4W)
⑭	3#4/0 & 1#4G – 2"Ø	225A 3P
⑮	4-500kcmil & 1#3G – 3"Ø	400A 3P (4W)
⑯	2 SETS OF 4-350kcmil & 1#1G – 3"Ø	600A 3P (4W)
NOTE: IN GENERAL, ALL FEEDERS ARE SIZED BASED UPON THE OVERCURRENT PROTECTION FEEDING THAT CIRCUIT. REFER TO PANEL SCHEDULES TO DETERMINE OVERCURRENT PROTECTION SIZE, AND CROSS-REFERENCE THIS SCHEDULE TO DETERMINE FEEDER TYPE.		

PANEL BOARD SCHEDULE					Panel "PP-1"				
VOLTAGE	208/120V, 3ø, 4W	MAIN (A)	MCB	MLO	LOCATION	UTILITIES			
		208V	Y			MCB	MCB		
		WHIT GROUND BUS		X				APR/MAY 22,2000	
USE AND/OR AREA SERVED	C/B	CIR. NO.	A	B	C	CIR. NO.	C/B	USE AND/OR AREA SERVED	
GARAGE LIGHTING	20	1	1760			2	20	GARAGE LIGHTING	
GARAGE LIGHTING	20	3	1760	1760		4	20	GARAGE & 113,114,115&117 LIGHTING	
EXTERIOR LIGHTING	20	5		1445	752	6	20	GARAGE EXIT/EMERGENCY LIGHTING	
OFFICE LIGHTING	20	7	1200		50	8	20	GARAGE CEILING FANS (CF-1)	
IRH 1 THRU 3	20	9	250	480		10	20	ERP RM. 109	
EXHAUST FANS 1 THRU 6	20	11		1560	1080	12	20	ERP RMS 105,106&107	
	1				2280			ERP RMS 100,101&103	
OVHD #1	20	13	90			14	20		
	15		3240	950		16	20	OVHD #3	
	20	17			950	18	20		
OVHD #2	20	19	950			20	20		
	2		850			22	20	DOAS-1	
ELECTRIC UNIT HTR. EUH-1	20	21		1560		22	20		
	2	23		850	1560	24	20	ELECTRIC UNIT HTR. EUH-3	
	20	25	1560		1560	26	20		
ELECTRIC UNIT HTR. EUH-2	20	27	1560		1560	28	20		
	2	29		105		30	20	HRU-1 & HRU-2	
VRFs 1 THRU 11	20	31	315		315	32	20		
	1	33	360		1080	34	20	GAS WATER HTR. GWH-1	
OUTLETS MEZZANINE & GARAGE	20	35		900		36	20	HOT WATER CIRC. PUMP HCP-1	
OUTLETS 108 & 107	20	37	720		1080	38	20	OUTLETS 106	
OUTLETS 105	20	39	1080		720	40	20	OUTLETS 101 & 102	
OUTLETS 102, 110 & 111	20	41		900		42	20	OUTLETS 104	
OUTLETS 103 REFRIGERATOR	20	43			1500	44	20	OUTLETS 104	
	1	45	1500		900	46	20	OUTLETS 103	
OUTLETS MICROWAVE	20	47	540			48	20	OUTLETS 109 - ULTR-LOW TEMP	
OUTLETS 103	20	49		540		50	20	OUTLETS 109 - UNDER COUNTER REFR.	
OUTLETS 103	20	51	720		540	52	20	OUTLETS 109	
OUTLETS 117 & 113	20	53		900		54	20	OUTLETS 109	
OUTLETS 114 & 115	20	55	1920		1200	56	20	BAS SYSTEM	
FACP & FAAP	20	57	1500		1080	58	20	GARAGE OUTLETS	
114 - WASHER & DRYER	20	59		100		60	20	ULTRA LOW FREEZER	
CO./NOX ALERT CONTROLLER	20	61		1800		62	20	LOCKER AREA BOOT DRYER	
COPPER	25	63	2640		1920	64	20	FUTURE GAS PUMP	
	1	65	0	2640		66	20	FUTURE FUEL LIGHTING	
WELL PUMP	20	67	0		2460	68	20	GHU 1 & 2	
	3	69			1000	70	20	SPARE	
SPARE	20	71	0			72	20	SPARE	
SPARE	20	73	0		0	74	20	SPARE	
SPARE	20	75	0		0	76	20	SPARE	
SPARE	20	77	0		0	78	20	SPARE	
SPARE	20	79	0		0	80	50		
SPARE	20	81	4200		0	82	20	FUTURE BUILDING	
	1	83		4200	0	84	3		
	2				0				
TOTAL LOAD PER PHASE			29435	26620	29422	TOTAL KVA		85.5	
						AMPS:		102.8	



KEITH BRYANT O'HIGGINS
062-33310
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS
EXPIRES NOVEMBER 30, 2025
Keith B. Higgins

BA
BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title
DETAILS AND DIAGRAMS
- ELECTRICAL

Ref. North Sheet No.

E401

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



Winnebago County Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No.	2025-09
----------------	---------

Scale

NO SCALE

Sheet Title

SYMBOLS LIST - ELECTRICAL

Ref. North

Sheet No.

E500

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

ABBREVIATIONS LIST	
ABBREVIATION	DENOTES
AF	AMPERE FUSE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AT	AMPERE TRIP
ATS	AUTOMATIC TRANSFER SWITCH
C/B	CIRCUIT BREAKER
CCT	CIRCUIT
COM ED	COMMON WEALTH EDISON
C/T	CURRENT TRANSFORMER
CU	COPPER
EC	ELECTRICAL CONTRACTOR
EM	EMERGENCY POWER DEVICE
FPC	FIRE PROTECTION SYSTEM CONTRACTOR
GC	GENERAL CONTRACTOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
KWH	KILOWATT HOUR
MC	MECHANICAL CONTRACTOR
MCC	MOTOR CONTROL CENTER
MTS	MANUAL TRANSFER SWITCH
NL	NIGHT LIGHT BRANCH CIRCUIT FIXTURE WITH CIRCUIT BREAKER LOCK-ON
PC	PLUMBING CONTRACTOR
P/T	POTENTIAL TRANSFORMER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD
WP	WEATHERPROOF ENCLOSED EQUIPMENT
XP	EXPLOSION PROOF DEVICE OR EQUIPMENT

PLOTTED BY: CARL FUGIEL
 DATE PLOTTED: 10/24/2025 12:26 PM
 FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\E\305-A-1 E500 - SYMBOLS LIST - ELECTRICAL

FILE PATH AND NAME: P:\305-A-1 (2025-09) Winnebago County Natural Resources Facility\305-A-1 - E600 - GENERAL NOTES - ELECTRICAL
DATE PLOTTED: 10/24/2025 12:26 PM
PLOTTED BY: CARL FUEGL

GENERAL ELECTRICAL NOTES		
1. REFER TO ARCHITECTURAL PLANS AND SPECIFICATIONS FOR ADDITIONAL GENERAL NOTES WHICH WILL APPLY HERE.	32. UNLESS NOTED OTHERWISE, THE TRANSFORMER PRIMARY VOLTAGE SHALL BE 480V, 3PH, 3W AND SECONDARY VOLTAGE SHALL BE 120/208V, 3PH, 4 WIRE.	REMOVE ALL ASSOCIATED RACEWAYS AND WIRING AS REQUIRED. ELECTRICAL CONTRACTOR SHALL DE-ENERGIZE AND DISCONNECT APPLICABLE WIRING TO FACILITATE SAFE DEMOLITION.
2. DO NOT SCALE DRAWINGS.	33. MAIN SERVICE ENTRANCE EQUIPMENT SHALL HAVE LABEL FOR SERVICE ENTRANCE TYPE, AND SHALL BE GROUNDED PER ELECTRICAL CODE.	62. THE EXISTING EQUIPMENT IS SHOWN BASED UPON THE INFORMATION OBTAINED THROUGH BRIEF SURVEY OF THE FACILITY. CONTRACTOR IS TO SURVEY THE EXISTING FACILITY IN ORDER TO DETERMINE THE FULL EXTENT OF WORK AND BE COMPLETELY FAMILIAR WITH ALL THE EXISTING CONDITIONS INCLUDING PLUMBING, HVAC, ELECTRICAL, ETC. THE ARCHITECT/ENGINEER AND OWNER ASSUME NO RESPONSIBILITY IN RESPECT TO THE ACCURACY OF SUCH INFORMATION SHOWN ON THE DRAWINGS. CONTRACTOR SHALL MAKE ADEQUATE ALLOWANCE IN HIS BID FOR SOME DEVIATIONS TO SUCH INFORMATION.
3. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.	34. PROVIDE SEPARATE DEDICATED GROUNDING CONDUCTOR IN EACH FEEDER AND BRANCH CIRCUIT WIRING CIRCUIT.	63. WHERE EXISTING CONDITIONS PREVENT PROPER INSTALLATION OF PROPOSED WORK, REROUTE, EXTEND OR ALTER EXISTING WORK SO AS TO ACCOMMODATE PROPOSED WORK REQUIREMENTS.
4. BOXES LOCATED ON OPPOSITE SIDES OF NON-FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALL SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU THE WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.	35. PROVIDE SMOKE DETECTOR WITHIN 5 FEET OF FIRE ALARM CONTROL PANEL, WHETHER SPECIFICALLY INDICATED OR NOT.	64. WHERE EXISTING WIRING DEVICE (SUCH AS RECEPTACLE, SWITCH, ETC.) IS INDICATED TO REMAIN, REUSE EXISTING JUNCTION BOX, RACEWAY, BUT PROVIDE NEW DEVICE AND ASSOCIATED COVERPLATE. RECONNECT THIS DEVICE TO NEW CIRCUIT AS INDICATED.
5. ELECTRICAL CONTRACTOR SHALL VERIFY TOTAL CONNECTED LOAD/HP WITH ALL OTHER TRADES PRIOR TO WIRING OF ALL OTHER TRADES' EQUIPMENT. MAKE ANY CHANGES TO OVERCURRENT DEVICES AND FEEDER SIZE PER ELECTRICAL CODE AS REQUIRED.	36. PROVIDE REMOTE TEST AND INDICATING STATION IN A READILY ACCESSIBLE AND VISIBLE SPACE FOR EACH DUCT SMOKE DETECTOR.	65. WHERE A NEW WALL IS TO BE BUILT PERPENDICULAR TO EXISTING WALL AND IF THERE IS AN INTERFERING EXISTING RECEPTACLE ON THE EXISTING WALL, RELOCATE THIS RECEPTACLE AS REQUIRED.
6. ELECTRICAL CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVIEWED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL ELECTRICAL INSTALLATION, THIS CONTRACTOR SHALL ADJUST RECEPTACLES, OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.	37. WHERE "W" IS INDICATED NEXT TO A DEVICE, CONTRACTOR SHALL VERIFY ITS REQUIREMENT IN FIELD. THIS INCLUDES VERIFICATION OF DEVICE TYPE, LOCATION, WIRING CONDUIT AND CIRCUIT BREAKER ETC. PROVIDE APPROPRIATE DEVICE, WIRING, CONDUIT, CIRCUIT BREAKER ETC. AS REQUIRED.	66. AS REQUIRED EXTEND EXISTING RECEPTACLES WHERE EXISTING WALLS ARE FURRED OUT. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF THIS WORK.
7. ALL EXPOSED CABLES IN PLENUM CEILING SHALL BE APPROVED FOR PLENUM APPLICATION.	38. PROVIDE RED PLASTIC SIGN AT MAIN WATER SERVICE METER INDICATING "MAIN GROUND LOCATION."	67. IN ORDER TO FACILITATE THE REPLACEMENT OF EXISTING OR INSTALLATION OF NEW DUCTWORK AND/OR PIPING, REMOVE EXISTING LIGHTING FIXTURE AND/OR SMOKE /HEAT DETECTORS AS REQUIRED, WHETHER SHOWN ON DRAWINGS OR NOT. THIS NOTE IS GENERALLY APPLICABLE, BUT NOT LIMITED TO, WHERE THERE IS NO DROPPED CEILING (IN EXPOSED CEILING AREA). ONCE THE INSTALLATION OF DUCTWORK, PIPING ETC IS COMPLETED, REINSTALL ELECTRICAL EQUIPMENT/DEVICES. PROVIDE ADEQUATE ALLOWANCE IN THE BID FOR THIS WORK.
8. PROVIDE SLEEVES/CONDUITS FOR LOW VOLTAGE CABLES WHEN THEY TRAVERSE ABOVE NON ACCESSIBLE CEILING SPACE. ALSO, PROVIDE SLEEVES THROUGH MASONRY WALLS FOR LOW VOLTAGE CABLES. VERIFY SLEEVE/CONDUIT SIZE REQUIREMENTS AND LOCATION WITH THE CONTRACTOR INSTALLING LOW VOLTAGE SYSTEM.	39. ALL RECEPTACLES FOR VENDING MACHINES, ICE MACHINES AND REFRIGERATORS SHALL BE GFCI TYPE WHETHER SPECIFICALLY INDICATED OR NOT.	68. ELECTRICAL CONTRACTOR SHALL VERIFY SIZE OF ALL EXISTING OPENINGS, DOORS, ETC., FOR REMOVING EQUIPMENT AND MATERIAL OUT OF BUILDING. ELECTRICAL CONTRACTOR SHALL PROVIDE ANY NEW OR ENLARGED OPENINGS IN EXISTING BUILDING CONSTRUCTION REQUIRED TO FACILITATE EXITING OF HIS EQUIPMENT/MATERIAL AND RESTORE SUCH OPENINGS TO THEIR ORIGINAL STATE AFTER COMPLETION.
9. UNLESS NOTED OTHERWISE, THE CONDUITS AND BACK BOXES SHALL BE CONCEALED WITHIN ALL DRY WALLS AND NEW MASONRY WALLS. SURFACE METAL RACEWAY SHALL BE USED FOR DEVICES ON EXISTING MASONRY WALLS AS MUCH AS PRACTICAL. THE SURFACE METAL RACEWAY SHALL BE ROUTED IN THE CORNER AND/OR ADJACENT TO WINDOW, DOOR FRAMEWORK ETC. SO IT IS AS INCONSPICUOUS AS POSSIBLE. FOR SAKE OF SIMPLICITY ONLY THE TERM "CONDUIT" IS USED IN MOST CASES IN THIS DOCUMENT. HOWEVER, BASED UPON ABOVE, THE SURFACE METAL RACEWAY AND CONDUIT SHALL BE USED AS APPLICABLE. WHERE SURFACE METAL RACEWAY IS USED ONE TWO CHANNEL RACEWAY WITH DIVIDER SHALL BE USED (FOR POWER & LOW VOLTAGE) WHERE APPLICABLE.	40. PROVIDE BALLAST DISCONNECT FOR EACH FLUORESCENT FIXTURE TO MEET NEC 410.73	69. THE ELECTRICAL DRAWINGS SHOW DIRECT PRINCIPLE WORK WHICH MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INDIRECT AND INCIDENTAL WORK WILL ALSO BE NECESSARY DUE TO CHANGES AFFECTING EXISTING ARCHITECTURAL, MECHANICAL, PLUMBING OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT. INSPECT THOSE AREA, AND ASCERTAIN WORK NEEDED AND DO THAT WORK IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS, AT NO ADDITIONAL COST.
10. WHERE POWER AND LOW VOLTAGE OUTLETS (SUCH AS DATA OUTLETS) ARE SHOWN TOGETHER ON DRAWINGS, PROVIDE THEM ADJACENT TO EACH OTHER.	41. PROVIDE ONE WEATHERPROOF, GFI RECEPTACLE WITHIN 25' OF ROOF MOUNTED OR GRADE MOUNTED HVAC EQUIPMENT, WHETHER SPECIFICALLY INDICATED OR NOT AND FEED FROM NEAREST UNLOADED RECEPTACLE CIRCUIT.	70. WHERE LIGHTING FIXTURES ARE TO BE REUSED, CLEAN FIXTURES THOROUGHLY AND PROVIDE ALL NEW LAMPS.
11. PROVIDE CONCRETE PAD FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. (SUCH AS SWITCHBOARDS, PANELS, TRANSFORMER, ETC.)	43. PROVIDE SEPARATE NEUTRAL WIRE FOR EACH CIRCUIT FED FROM ARC-FAULT TYPE CIRCUIT BREAKER.	71. RECEPTACLES DESIGNATED BY LETTER "C" INDICATES CRITICAL RECEPTACLES AND SHALL BE RED IN COLOR, INCLUDING ASSOCIATED COVER PLATES.
12. REFER TO PANEL DIVISION LINE FOR BRANCH CIRCUIT HOMERUN PANEL BOARD DESIGNATION, UNLESS NOTED OTHERWISE, IF APPLICABLE.	44. PERFORM COORDINATION STUDY OF ELECTRICAL DISTRIBUTION SYSTEM AS INDICATED IN POWER SYSTEM STUDY SPECIFICATION. IT SHALL BE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO PROVIDE EQUIPMENT WITH PROPER INTERRUPTING RATING OF EQUIPMENT BASED UPON COORDINATION STUDY. AIC (AVAILABLE INTERRUPTING CAPACITY) OF ALL PANELS AND SWITCHBOARD SHOWN IN DRAWINGS ARE FOR GENERAL INFORMATION ONLY. THE FINAL AIC OF ELECTRICAL EQUIPMENT SHALL BE BASED UPON WORST CONDITION COMED FAULT CURRENT AND THE RECOMMENDATIONS MADE IN COORDINATION STUDY. THE COST TO PROVIDE ALL ELECTRICAL DISTRIBUTION EQUIPMENT WITH PROPER FAULT INTERRUPTING RATING (REGARDLESS OF WHAT IS SHOWN ON DRAWINGS) SHALL BE INCLUDED IN THE BID.	72. ALL SWITCHES IN COMMON AREAS SUCH AS HALLWAYS, CORRIDORS, VESTIBULES, STAIRS, PUBLIC WASHROOMS ETC. SHALL BE KEYPED TYPE WHETHER SPECIFICALLY INDICATED OR NOT. ALL KEYS FOR KEYPED LIGHT SWITCHES SHALL BE SAME AND SHALL MATCH EXISTING KEYS.
13. CIRCUIT NUMBERS SHOWN FOR EXISTING PANELS ARE FOR REFERENCE ONLY. USE NEXT AVAILABLE CIRCUITS AND PROVIDE APPROPRIATE SIZE BREAKERS.	45. PROVIDE DEEPER BACK BOX AS REQUIRED FOR EACH DEVICE; FOR EXAMPLE MINIMUM OF 2.5" DEEP FOR WALL BOX TYPE OCCUPANCY SENSOR.	73. PROVIDE FOLLOWING CONTACTORS FOR CONTROLLING LIGHTING AND INTERCONNECT SUCH THAT THEY ARE CONTROLLED VIA BAS. VERIFY THE OPERATING VOLTAGE WITH BAS CONTRACTOR. THE CONTACT RATING SHALL BE 277V. IN ADDITION TO THE INDICATED CONTACTS SHOWN BELOW, EACH CONTACTOR SHALL HAVE 2 SPARE CONTACTS. • CONTACTOR A: 5 POLE FOR OUTDOOR LIGHTS. • CONTACTOR B: 2 POLE FOR OUTDOOR ELECTRICAL SIGN AND CANOPY LIGHTS. • CONTACTOR C: 1 POLE FOR OUTDOOR LIGHTS. • CONTACTOR D: 2 POLE FOR PERIMETER LIGHTS.
14. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF ELECTRICAL EQUIPMENT & DEVICES. THE ELECTRICAL DRAWINGS ARE FOR CONCEPT ONLY.	46. PROVIDE WEATHERPROOF TYPE WHILE-IN-USE COVER FOR ALL 15 AMP AND 20 AMP 120V. RECEPTACLES LOCATED IN OUTDOOR LOCATIONS WHETHER SPECIFICALLY INDICATED OR NOT.	74. AS A MINIMUM, USE #10 WIRES FOR ALL CIRCUITS IN GYM AND FOR ALL EMERGENCY LIGHTING.
15. EACH LIGHTING FIXTURE ON DIMMER CIRCUIT SHALL HAVE SEPARATE NEUTRAL CONDUCTOR. COMMON NEUTRAL IS NOT ALLOWED.	47. RECEPTACLES LOCATED ADJACENT TO SINK IN WASHROOMS SHALL BE INSTALLED ON SIDE WALL OF THE SINK AND NOT THE FRONT WALL OF THE SINK REGARDLESS OF HOW THEY ARE SHOWN ON THE DRAWINGS. THE FRONT WALL SHALL BE LEFT AVAILABLE FOR MIRROR OR VANITY CABINET.	75. FOR BIDDING PURPOSES, MAKE ALLOWANCE FOR THE FOLLOWING IN ADDITION TO THE WORK SHOWN ON THE PLANS, INCLUDING COMPLETE INSTALLATION. • ADDITION OF 4 SPEAKERS • ADDITION OF 4 CALL STATIONS • ADDITION OF 5 EXIT SIGNS • ADDITION OF 30 RECEPTACLES • ADDITION OF 4 SMOKE/HEAT DETECTORS • ADDITION OF 2 MANUAL PULL STATIONS • ADDITION OF 6 AUDIO/VISUAL/HORN/STROBE UNIT
16. IN GENERAL, DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED, LIGHT SOLID LINES INDICATE ITEMS TO REMAIN AND DARK SOLID LINES INDICATE NEW ITEMS.	48. PROVIDE SLEEVES THRU FLOOR AND WALLS AS REQUIRED FOR LOW VOLTAGE CABLES. COORDINATE ALL REQUIREMENTS WITH LOW VOLTAGE CONTRACTORS.	76. PROVIDE PHONE CONNECTION AT FIRE ALARM CONTROL PANEL FOR DIALING OUT WHETHER SPECIFICALLY INDICATED OR NOT.
17. THE SYSTEMS PROVIDED BY THIS CONTRACTOR SHALL BE COMPLETELY OPERATIONAL REGARDLESS OF OMISSION OF MINOR ITEMS, SUCH AS CIRCUIT NUMBER FOR RELAY, A CIRCUIT NUMBER NEXT TO A LIGHTING FIXTURE, POWER FOR CONTROL EQUIPMENT, ETC.	49. THE PANEL DIRECTORY SHALL HAVE SPECIFIC LIST OF LOAD SERVED. THE GENERIC OR BROAD LIST IS NOT ACCEPTABLE. FOR EXAMPLE LISTING "LIGHTS IN CLASSROOM" IS NOT ADEQUATE. PROVIDE MORE SPECIFIC LIST SUCH AS "LIGHTS IN CLASSROOM 231, 234 AND STORAGE 239" SHALL BE PROVIDED TO REFLECT THE SPECIFIC LOAD SERVED.	77. PROVIDE AUDIBLE COVER ON EACH MANUAL FIRE ALARM PULL STATION AS INDICATED IN SPECIFICATION.
18. ALL OUTDOOR DEVICES SUCH AS RECEPTACLES, DISCONNECTS, SPEAKERS, LIGHTING FIXTURES, JUNCTION BOXES, ETC. SHALL BE OUTDOOR TYPE.	50. UNLESS NOTED OTHERWISE, ALL WIRING SHALL BE IN CONDUIT EXCEPT LOW VOLTAGE WIRING ABOVE ACCESSIBLE CEILING SPACE. LOW VOLTAGE WIRING EXCEPT FIRE ALARM SYSTEM WIRING ABOVE ACCESSIBLE CEILING SPACE SHALL BE EXPOSED. ALL FIRE ALARM SYSTEM WIRING SHALL BE IN CONDUIT.	78. RECEPTACLES LOCATED IN DAY CARE AREAS AS WELL AS IN PEDIATRIC LOCATIONS OF HEALTH CARE FACILITIES SHALL BE TAMPER PROOF TYPE WHETHER SPECIFICALLY INDICATED OR NOT.
19. THE EXIT SIGNS ARE PROVIDED FOR BIDDING PURPOSE. FINAL LOCATION SHALL BE AS DETERMINED BY LOCAL FIRE MARSHALL. IF REQUIRED BY FIRE MARSHALL, PROVIDE ADDITIONAL EXIT SIGNS WITHOUT ADDITIONAL COST TO OWNER.	51. LOCATE THE OUTLETS FOR LCD PROJECTORS AS DIRECTED BY OWNER'S LCD PROJECTOR VENDOR. TO PROVIDE OPTIMUM COVERAGE OF THE PROJECTOR.	79. PROVIDE GROUNDING OF ALL METALLIC EQUIPMENT/DEVICES (SUCH AS REINFORCING RODS, DRAINS, LADDERS, JUNCTION BOXES, LIGHTING FIXTURES, RACEWAY, PANELS, CONTROL PANELS, PUMPS, ETC.) LOCATED IN AND SERVING SWIMMING POOL AND HOT TUB.
20. PROVIDE LOCKING CLIPS ON CIRCUIT BREAKERS SERVING EMERGENCY LIGHTING, FIRE ALARM SYSTEM, PA/INTERCOMM, TELEPHONE SYSTEM AND SECURITY SYSTEM LOAD.	52. UNLESS SPECIFICALLY INDICATED, ALL CONDUITS OTHER THAN IN ELECTRICAL/ MECHANICAL EQUIPMENT ROOMS AND AUTO/WOOD SHOPS SHALL BE CONCEALED. WHERE A FREE-STANDING EQUIPMENT IS TO BE FED, THE CONDUIT SHALL BE FED FROM FLOOR BELOW. POWERPOLE OR CONDUIT FED FROM CEILING IS STRICTLY PROHIBITED.	80. ALL SWITCHBOARDS, DISTRIBUTION PANELS AND PANEL BOARDS SHALL BE FURNISHED WITH FULL RATED COPPER BUS NO BE BRACED FOR AVAILABLE FAULT CURRENT WITH MINIMUM RATINGS AS FOLLOWS: SWITCHBOARDS - 100,000 AIC DISTRIBUTION PANELS - 55,000 AIC PANELBOARDS - 10,000 AIC (120/208V) OR 14,000 AIC (277/480V)
21. IN CERTAIN CASES LARGER SIZE CABLES ARE SPECIFIED IN ORDER TO COMPENSATE FOR VOLTAGE DROP. PROVIDE OVERSIZE AND/OR MULTIPLE LUGS AT THE LINE AND LOAD SIDE OF EQUIPMENT TO INCORPORATE LARGER AND ADDITIONAL CABLES. IF REQUIRED, PROVIDE SPLICE BOXES AT EITHER END OF CABLE TO INTERCEPT CHANGE IN THE CABLES.	53. ALL FLOOR MOUNTED RECEPTACLES SHALL BE FLUSH WITH FLOOR AND SHALL HAVE HINGED COVER PLATES. PEDESTAL TYPE RECEPTACLES ARE NOT ALLOWED.	81. ALL CIRCUIT BREAKERS FOR PANEL BOARDS SHALL BE THE BOLT-ON TYPE, RATED FOR SWITCHING DUTY AND RATED FOR THE AVAILABLE FAULT CURRENT WITH MINIMUM RATING OF 10,000 AIC FOR 120/208V PANELS AND 14,000 AIC FOR 277/480V PANELS.
22. UNO, ALL OVERCURRENT PROTECTION DEVICES 800 AMP AND LARGER SHALL BE 100% RATED.	54. INSTALL OCCUPANCY SENSORS SUCH THAT IT PROVIDES THE OPTIMUM COVERAGE. THE LOCATIONS OF OCCUPANCY SENSORS INDICATED ON DRAWINGS ARE FOR CONCEPT ONLY. FOR CERTAIN AREAS (SUCH AS ROOMS HAVING HIGH CEILING) WALL MOUNTED OR OTHER APPROPRIATE TYPE MULTIPLE SENSORS MAY HAVE TO BE PROVIDED. COORDINATE ALL REQUIREMENTS WITH OCCUPANCY SENSOR MANUFACTURER. CONNECT SWITCHES AND OCCUPANCY SENSORS SUCH THAT SENSOR CAN BE OVERRIDDEN BY SWITCHES.	82. ALL CIRCUIT BREAKER SIZES AND QUANTITIES INDICATED ON SCHEDULE(S) ARE FOR THE CONVENIENCE OF THE BIDDERS ONLY. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND SUPPLYING ALL REQUIRED BRANCH BREAKERS.
23. DUE TO THE SMALL SCALE AND INTERFERENCE OF EXISTING EQUIPMENT, EACH AND EVERY ITEM IS NOT SHOWN. SHOWN INFORMATION IS INTENDED AS A GUIDE. CONTRACTOR SHALL VERIFY INFORMATION AND CONDITIONS IN THE FIELD.	55. ALL CONDUITS FOR TELEPHONE AND DATA OUTLETS SHALL BE 1.25" UNLESS NOTED OTHERWISE. ALL BACKBOXES FOR TELEPHONE AND DATA OUTLETS SHALL BE 2 GANG AND SHALL BE MINIMUM OF 2.75" DEEP.	83. ALL PANELS RECESSED IN WALLS SHALL HAVE 3-1" CONDUITS STUBBED INTO CEILING CAVITY OR STUBBED OUT OF WALL 12'-0" ABOVE SLAB. IN UNFINISHED AREAS WITH STUB AT 12'-0" THE EXACT HEIGHT OF STUBS SHOULD BE VERIFIED.
24. RECONFIGURE LIGHTING FIXTURES AND OUTLETS IN MECHANICAL ROOMS TO BE COMPATIBLE WITH EQUIPMENT LAYOUT AS REQUIRED.	56. SECURITY SYSTEM WIRING AND COMPONENTS SHALL BE BY OTHERS. PROVIDE CONDUIT AND BACK BOXES AS REQUIRED TO ACCOMMODATE ALL SECURITY COMPONENTS. PROVIDE ALL VOICE/DATA WIRING, TERMINATIONS, CONDUITS, PATCH PANELS, ETC., INCLUDING COPPER AND FIBER OPTIC.	84. ALL SYSTEMS TO BE INSTALLED PER THE CITY OF ROCKFORD BUILDING CODES AND AMENDMENTS.
25. COORDINATE THE FINAL LOCATION OF RECEPTACLES IN TELECOMMUNICATION CLOSETS WITH TELECOMMUNICATION EQUIPMENT VENDOR.	57. THE CONTRACTOR MUST VISIT THE SITE TO FAMILIARIZE HIMSELF WITH THE EXISTING SITE AND BUILDING CONDITIONS WHICH WILL BE AFFECTED DURING CONSTRUCTION PRIOR TO SUBMITTING HIS BID PROPOSAL. CONTRACTOR IS CAUTIONED THAT THE PROJECT IS A REMODELING JOB AND IT IS ASSUMED THAT HE HAS INCLUDED FUNDS IN HIS BID TO COVER UNFORESEEN ITEMS WHICH MUST BE MOVED, RELOCATED OR ADJUSTED TO FIT HIS WORK. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY EXTRA WORK CAUSED BY FAILURE TO VISIT, EXAMINE OR VERIFY.	
26. ALL RECEPTACLES LOCATED WITHIN 6' OF SOURCE OF WATER (SUCH AS SINK) AND ALL OUTDOOR RECEPTACLES SHALL BE GFI TYPE, WHETHER SPECIFICALLY INDICATED OR NOT.	58. ALL EXISTING EQUIPMENT IS TO REMAIN OPERATIONAL DURING CONSTRUCTION PERIOD. ALL TEMPORARY WIRING OR REROUTING OF CIRCUITRY TO ACHIEVE THIS IS BY THE ELECTRICAL CONTRACTOR. SHUTDOWN OF EXISTING SERVICES SHALL ONLY BE PERMITTED UPON WRITTEN APPROVAL FROM THE OWNER AND THEN ONLY FOR THAT DATE AND DURATION AGREED UPON. INCLUDE ALL PREMIUM TIME CHARGES IN THE BASE BID.	
27. WHERE THE OUTLETS ARE SHOWN ON FURNITURE/DESK THEY SHALL BE PROVIDED EITHER UNDER THE DESK OR AS A PART OF MILLWORK AS INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONDUITS AND WIRING UNDER OR WITHIN THE FURNITURE/DESK. THE QUANTITY AND LOCATION OF INDICATED OUTLETS IS APPROXIMATE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT AND MILLWORK VENDOR. IF FURNITURE/DESK IS NEXT TO WALL, THE ROUGH-IN SHALL BE PROVIDED FROM WALLS. IF FURNITURE/DESK IS FREE STANDING, THE ROUGH-IN SHALL BE PROVIDED FROM FLOOR. THE POWER POLE IS NOT ALLOWED UNLESS SPECIFICALLY INDICATED.	59. EXISTING CONDUITS IN GOOD CONDITION MAY BE REUSED WHERE POSSIBLE. PULL NEW WIRE AS REQUIRED. ALL UNUSED CONDUIT, WIRE, JUNCTION BOXES, ETC. WILL BE REMOVED. ALL JUNCTION BOXES MUST HAVE COVERS. VERIFY REQUIREMENTS IN FIELD.	
28. PROVIDE EXPANSION FITTINGS FOR ALL ELECTRICAL RACEWAYS AT EVERY EXPANSION JOINT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR LOCATION OF EXPANSION JOINTS.	60. SOME DEVICES MAY BE FLUSH MOUNTED (IN DRY WALLS AND EXISTING MASONRY WALLS CONSTRUCTION) AND SOME MAY BE SURFACE MOUNTED (ON EXISTING MASONRY WALLS). VERIFY REQUIREMENT BEFORE ORDERING ANY MATERIAL.	
29. COORDINATE THE INSTALLATION OF ELECTRICAL PANELS, SWITCHBOARD, ETC. WITH OTHER TRADES SUCH THAT NO DUCTWORK, PIPING ETC. IS LOCATED ABOVE THEM.	61. FOR THE AREA TO BE DEMOLISHED, THE DEMOLITION OF LIGHT FIXTURES, OUTLETS OR ANY OTHER ELECTRICAL EQUIPMENT/DEVICES SHALL BE PERFORMED AS REQUIRED. SEE ARCHITECTURAL DRAWINGS AND THE RESPECTIVE FLOOR PLANS IN ELECTRICAL DRAWINGS FOR DEMOLITION. ELECTRICAL CONTRACTOR SHALL	
30. UNLESS NOTED OTHERWISE, PROVIDE WIREGUARDS FOR ALL ELECTRICAL DEVICES (SUCH AS FIRE ALARM PULL STATIONS, HORN/STROBES, CLOCKS, SPEAKERS, BATTERY PACKS, EXIT SIGNS, LIGHTING FIXTURES ETC.) LOCATED IN GYMNASIUM.		
31. VERIFY QUANTITY AND SIZE OF LUGS PROVIDED IN OTHER TRADE'S EQUIPMENT (FOR EXAMPLE, CHILLER, ELEVATOR, FIRE PUMP ETC.) BEFORE STARTING ANY WORK ASSOCIATED WITH SUCH EQUIPMENT. IF THEIR LUGS CANNOT ACCOMMODATE THE CABLES INDICATED IN ELECTRICAL DOCUMENT, PROVIDE LUG FITTINGS TO ACCOMMODATE CHANGE IN THE CABLES. PROVIDE SUCH FITTINGS IN A JUNCTION BOX AS CLOSE AS POSSIBLE TO THEIR EQUIPMENT. IF ALLOWED BY THE EQUIPMENT MANUFACTURER, SUCH FITTINGS MAY BE INSTALLED IN THEIR EQUIPMENT RATHER THAN IN A SEPARATE JUNCTION BOX.		

GENERAL UTILITY NOTES	
1. IT WILL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL REQUIREMENTS WITH THE UTILITY COMPANY.	2. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE ELECTRICAL SERVICE TO THE BUILDING INCLUDING BUT NOT LIMITED TO; TRANSFORMER PAD, SWITCHGEAR PAD, TRENCHING, METERING EQUIPMENT, PRIMARY CONDUITS, SECONDARY CONDUITS AND SECONDARY CONDUCTORS. COORDINATE ALL REQUIREMENTS WITH UTILITY COMPANY DRAWINGS AND SPECIFICATIONS. TRANSFORMER AND METERING CABINET LOCATION INDICATED ARE FOR REFERENCE PURPOSES ONLY AND REQUIRE UTILITY COMPANY APPROVAL.
3. COMMONWEALTH EDISON COMPANY INFORMATION CONTACT NAME: PHONE NUMBER:	

FIRE ALARM SYSTEM GENERAL NOTES	
1. CONDUIT AND WIRE: A. ALL WIRING SHALL BE ROUTED WITHIN APPROVED RACEWAY. ROUTE ALL CONDUIT CONCEALED IN FINISHED AREAS OF BUILDING. WHERE IMPOSSIBLE TO CONCEAL RACEWAY. CONDUIT SHALL BE MINIMUM 3/4". PROVIDE WIREMOLD AS DESCRIBED. (SEE PLAN NOTES FOR FURTHER INFORMATION). • EXPOSED AREAS: PROVIDE WIREMOLD #V500 (IVORY) SURFACE RACEWAY INCLUDING ALL FITTINGS, BOXES AND MISC. AS REQUIRED. PAINT AS DIRECTED BY ARCHITECT. • CONCEALED (INACCESSIBLE AREAS): PROVIDE CONDUIT AS REQUIRED. CONTRACTOR WILL BE RESPONSIBLE FOR PROPERLY SIZING ALL CONDUIT. • ALL FIRE ALARM JUNCTION BOXES SHALL BE RED AND STENCILED WITH BLACK LETTERS. • EXISTING FIRE ALARM SYSTEM CONDUIT MAY BE REUSED AS APPROPRIATE. HOWEVER, WHERE CONDUIT HAS DETERIORATED OR IS OTHERWISE UNACCEPTABLE (I.e. GREENFIELD, ETC.) <u>NEW RACEWAY WILL BE PROVIDED AS HEREIN BEFORE STATED. SEE DEMOLITION NOTES FOR ADDITIONAL INFORMATION.</u> B. CONDUCTOR AND CONDUIT FILL WILL BE AS FOLLOWS: • ALL ADDRESSABLE CIRCUITS WILL USE ONE (1) #18AWG TWISTED SHIELDED PAIR (TSP) CABLE FOR RACEWAY FILL. ONE (1) TSP CABLE IS EQUIVALENT TO TWO (2) #14AWG CONDUCTORS. ALL TWISTED SHIELDED PAIR CABLE WILL BE 300V INSULATION. • FIRE ALARM CONTROL PANEL - 120V - 2#12AWG. • ADDRESSABLE INITIATING DEVICES - 1 PAIR #18AWG TWISTED SHIELDED PAIR, (1)RED AND (1) BLACK. • GENERAL ALARM - 2#14AWG PER ZONE, (1)RED AND (1) BLUE. • HORN DEVICE - 2#14AWG PER CIRCUIT, (1)RED AND (1) BLACK. DO NOT EXCEED MORE THAN 12 UNITS PER CIRCUIT. • VISUAL DEVICE - ON SAME CIRCUIT AS HORN DEVICES. • SLAVE FAN RELAY - 2#14AWG BLUE WIRES FROM FIRE ALARM CONTROL PANEL TO FAN RELAY. • MAGNETIC DOOR HOLDER DEVICE - 2#14AWG YELLOW WIRES FROM FIRE ALARM CONTROL PANEL. • FIRE ALARM ANNUNCIATOR - 1#16AWG TWISTED SHIELDED PAIR AND 2#14. D. ALL FIRE ALARM INDICATING AND INITIATING CIRCUITS WILL BE SUPERVISED. E. SEE FIRE ALARM DETAILS AND SPECIFICATIONS FOR ADDITIONAL WIRING AND RACEWAY REQUIREMENTS.	2. PROVIDE ZONE ADAPTER MODULES AS REQUIRED IN FINISHED AREAS. INSTALL MODULES ABOVE CEILING UNLESS OTHERWISE NOTED. ALL INITIATING DEVICES SHALL BE ASSIGNED TO A SEPARATE ADDRESS.
3. PROVIDE NOTIFICATION APPLIANCE CIRCUIT POWER EXTENDER AS REQUIRED TO ACCOMMODATE EXCESSIVE LOADS OR DISTANCES. LOCATE AS REQUIRED TO PREVENT VANDALISM AND TAMPERING. PROVIDE 120V CIRCUIT AS REQUIRED. VERIFY REQUIREMENTS IN FIELD.	4. EACH SUPPLY UNIT WILL HAVE SMOKE DETECTOR AND FAN STOP RELAY TO STOP FAN ON ANY FIRE ALARM. ALL FANS TO BE RESET FROM THE FIRE ALARM CONTROL PANEL.
5. FIRE ALARM ANNUNCIATOR SHALL CONTAIN A SYSTEM KEY RESET SWITCH, TROUBLE LAMP/BUZZER, TROUBLE SILENCE SWITCH AND POWER ON LIGHT.	6. REFER TO FLOOR PLANS FOR EXACT LOCATION AND NUMBER OF DEVICES.
7. THE FIRE ALARM INSTALLING CONTRACTOR SHALL SUBMIT DRAWINGS AND SPECIFICATIONS INCLUDING BUT NOT LIMITED TO; END OF LINE DEVICE LOCATIONS, BATTERY CALCULATIONS, WIRING DIAGRAMS AND EQUIPMENT CUT SHEETS TO THE LOCAL FIRE PREVENTION BUREAU FOR REVIEW PRIOR TO BEGINNING CONSTRUCTION.	8. CONNECT KNOX BOX LOCATED BY MAIN ENTRANCE TO FIRE ALARM CONTROL PANEL. EXACT LOCATION OF KNOX BOX TO BE DETERMINED BY LOCAL FIRE AUTHORITY HAVING JURISDICTION.
9. PROVIDE CITY THE CONNECTION AS REQUIRED BY AUTHORITY HAVING JURISDICTION. VERIFY REQUIREMENTS.	10. INSTALL CONDUIT AND WIRING FROM FIRE ALARM CONTROL PANEL TO TELEPHONE TERMINAL CABINET FOR CENTRAL STATION TIE. COORDINATE REQUIREMENTS WITH AUTHORITY HAVING JURISDICTION AND PROVIDE AS REQUIRED. ALL REQUIRED TELEPHONE LINES SHALL BE ARRANGED FOR BY OWNER.
11. COORDINATE ALL TAMPER AND FLOW SWITCH LOCATIONS AND QUANTITY WITH SPRINKLER DRAWINGS AND FIELD OBSERVATION. CONNECT AS REQUIRED.	12. INSTALL CONDUIT AND WIRING FROM FIRE ALARM CONTROL PANEL TO ELEVATOR CONTROL PANEL FOR ELEVATOR RECALL PROVISION.



BA

BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No.	2025-09
----------------	---------

Scale

NO SCALE

Sheet Title

GENERAL NOTES - ELECTRICAL

Ref. North	Sheet No.
------------	-----------

E600

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



EXPIRES NOVEMBER 30, 2025

Keith Bryant O'Higgins

BA

BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

1/8" = 1'-0"

Sheet Title
**UNDER FLOOR PLAN -
PLUMBING**

Ref. North

Sheet No.

P1.10

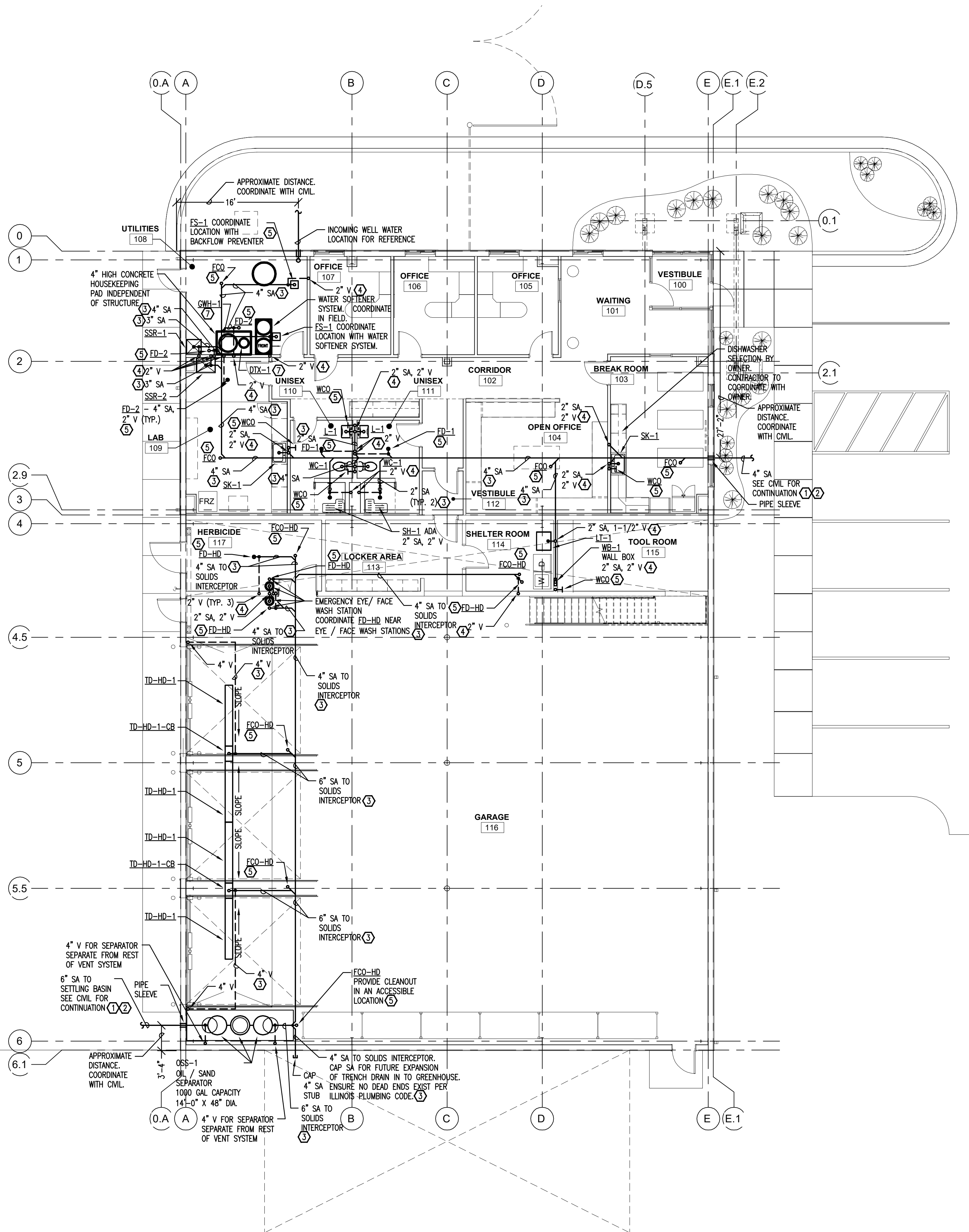
PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

GENERAL NOTES

- CONTRACTOR TO INSULATE ALL NEW PIPING AND CONNECTIONS PER IECC 2021.
- ALL NEW DOMESTIC WATER PIPING TO BE DISINFECTED PER THE ILLINOIS PLUMBING CODE 2014.
- CONTRACTOR TO FIELD VERIFY LOCATION OF ALL SANITARY, VENT, AND WATER PIPING PRIOR TO WORK.
- CONTRACTOR TO VERIFY NO CONDUIT OR PIPING ARE IN SAW CUT AREAS PRIOR TO SAW CUTTING FLOORS OR WALLS IF ANY SAW CUTTING IS REQUIRED. PATCH FLOORS AND WALLS TO MATCH.
- CONTRACTOR IS RESPONSIBLE FOR ANY CEILING, WALL, OR FLOOR REMOVAL / REPLACEMENT REQUIRED BY NEW WORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND PAINTING FOR INSTALLATION OF NEW WORK. SEE ARCHITECTURAL FOR MORE INFORMATION.
- ALL PLUMBING AFFECTED BY THIS WORK SHALL BE COMPLIANT TO ILLINOIS PLUMBING CODE 2014 AND AHJ. IN THE EVENT OF CONFLICT BETWEEN CODES AND THE DRAWINGS, THE CODES SHALL BE FOLLOWED.
- ALL NEW PIPING MUST BE COORDINATED WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, CIVIL, ARCHITECTURAL, AND EQUIPMENT.
- CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ANY WORK PHASING REQUIREMENTS.
- HOT WATER CIRCULATION LINES ARE REQUIRED TO BE WITHIN 24" (TWENTY FOUR - INCHES) OF THE FIXTURE WATER SUPPLY FOR PUBLIC RESTROOMS PER ICC ENERGY CODE AND ILLINOIS PLUMBING INSPECTOR AHJ. COORDINATE IN FIELD.
- ALL FLOOR DRAIN COVERS, FLOOR CLEANOUT COVERS, AND FLOOR SINK COVERS SHALL BE INSTALLED FLUSH TO FINISHED FLOOR.

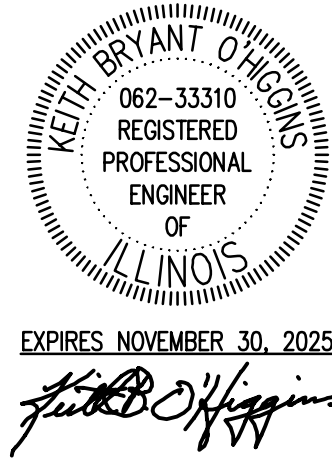
KEYED NOTES - SANITARY, VENT, STORM

- NEW SANITARY PIPE MAIN EXITING BUILDING. SANITARY TO BE RUN OUT 5'-0" FROM BUILDING - TIE INTO SANITARY. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE LOCATIONS WITH CIVIL.
- PLUMBING CONTRACTOR TO VERIFY LOCATION, SIZE, CONDITION, INVERTS, AND DIRECTION OF FLOW OF SANITARY PIPING IN FIELD PRIOR TO START OF WORK. COORDINATE WITH CIVIL FOR NEW SANITARY TIE-INS.
- NEW SANITARY / VENT PIPING UNDER GRADE. BED PIPING UNDER GRADE PER SPECIFICATION. COORDINATE LOCATION WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, STRUCTURAL, EQUIPMENT, AND OWNER.
- APPROXIMATE LOCATION OF NEW SA AND / OR VENT IN WALL OR CHASE. COORDINATE LOCATION WITH EQUIPMENT, ARCHITECTURAL, STRUCTURAL, AND OWNER. ENSURE THAT NO CONDUIT OR PIPING ARE IN SAW CUTTING AREAS OF WALLS IF ANY SAW CUTTING IS REQUIRED DURING INSTALL.
- COORDINATE LOCATIONS OF ALL FLOOR DRAINS ED-1, ED-2, FLOOR SINKS FS-1, FLOOR CLEANOUTS ECO, WALL CLEANOUTS WCO, AND CLEANOUTS CO WITH ARCHITECTURAL, EQUIPMENT, AND OWNER.
- COORDINATE LOCATION OF FLOOR SINK WITH BACKFLOW PREVENTION DEVICE, ARCHITECTURAL, AND STRUCTURAL. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ.
- GAS WATER HEATER GWH-1: TIE INTO CW, HW, AND HWC PIPING. PROVIDE EXPANSION TANK DTX-1 - SEE SCHEDULE. PROVIDE 4" CONCRETE PAD INDEPENDENT OF STRUCTURE AND DRAIN PAN FOR NEW GWH-1 COMMERCIAL GAS WATER HEATER AND NEW DTX-1 EXPANSION TANK. ROUTE T&P PIPING TO NEAREST FLOOR DRAIN. ENSURE PROPER AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ. PROVIDE MANUFACTURER'S CONDENSATE NEUTRALIZATION KIT AND ROUT TO NEAREST FLOOR DRAIN - PROVIDE AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ - DO NOT CREATE A TRIP HAZARD. GAS PIPING BY MECHANICAL WITH FINAL CONNECTION BY PLUMBING. PROVIDE MANUFACTURER'S CONCENTRIC VENT KIT WITH VENT INSTALLATION BY PLUMBING AND FINAL CONNECTION TO EQUIPMENT BY PLUMBING. COORDINATE ROOF PENETRATION. COORDINATE WITH ELECTRICAL, MECHANICAL, FIRE PROTECTION, ARCHITECTURAL, AND STRUCTURAL. PROVIDE WATER CIRCULATION PUMP HCP-1. SEE SCHEDULE. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE 2014, ALL APPLICABLE CODES, AND AHJ. LOCATE ED-2 ADJACENT TO GWH-1. COORDINATE LOCATION WITH EQUIPMENT PAD.
- VENT PIPING ABOVE GROUND TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE VENT PIPING WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, STRUCTURAL, AND EQUIPMENT.
- COORDINATE ALL VENT THRU ROOF WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, EQUIPMENT, ARCHITECTURAL, AND OWNER. EXTEND ALL VTR TO BE 2'-6" ABOVE ROOF LINE. ALL PLUMBING VENTS THRU ROOF SHALL BE A MINIMUM OF 15'-0" AWAY FROM HVAC INTAKES. CONTRACTOR SHALL ENSURE MINIMUM 15'-0" DISTANCE REQUIREMENT.



Under Floor Plan - Plumbing

1/8" = 1'-0"



New Building

for
Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

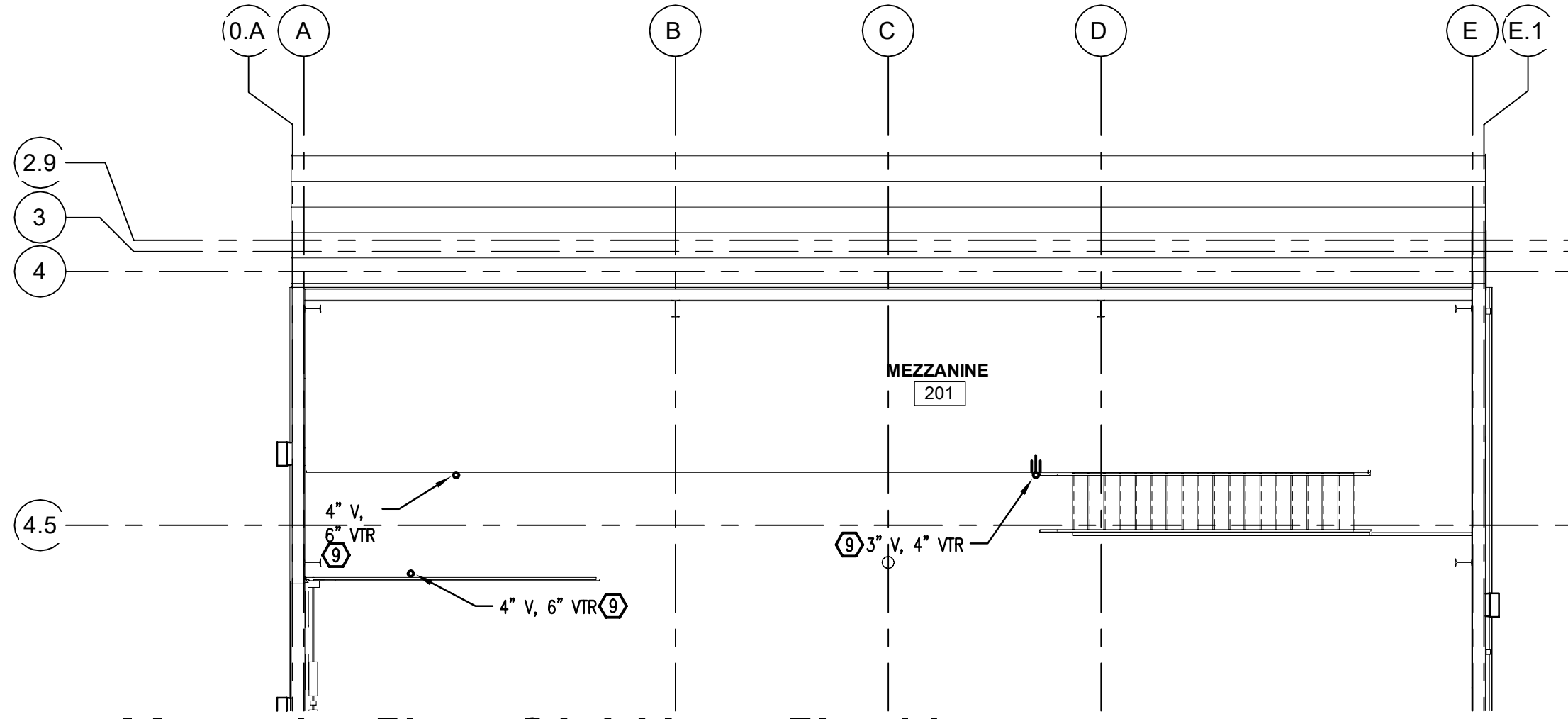
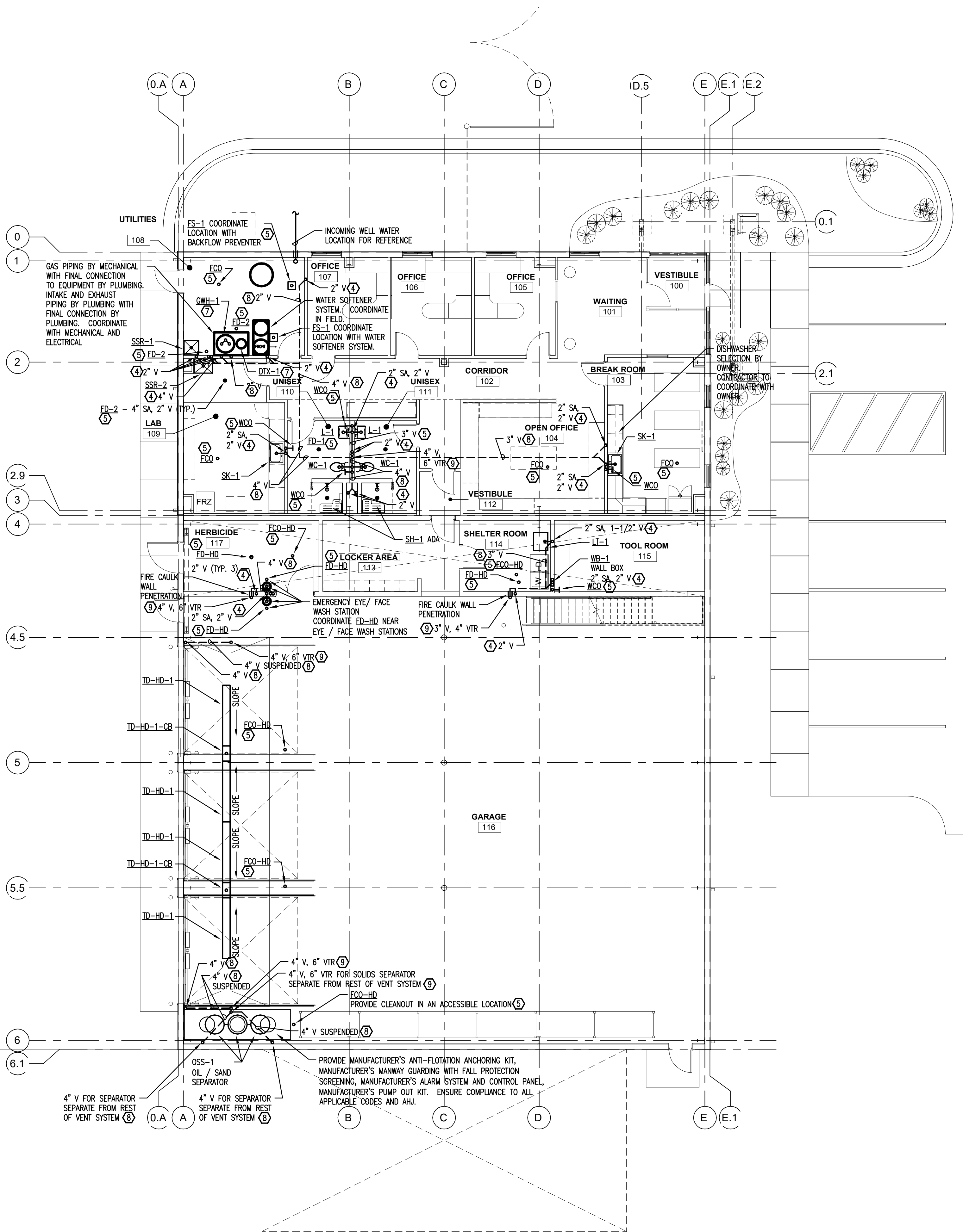
1/8" = 1'-0"

Sheet Title
**FLOOR PLAN - SA &
VENT - PLUMBING**

Ref. North Sheet No.

P1.11

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



Mezzanine Plan - SA & Vent - Plumbing
1/8" = 1'-0"

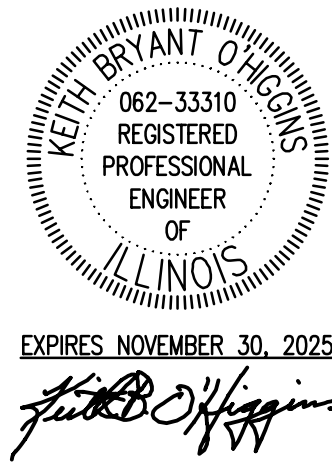
KEYED NOTES - SANITARY, VENT, STORM

- NEW SANITARY PIPE MAIN EXITING BUILDING. SANITARY TO BE RUN OUT 5'-0" FROM BUILDING - TIE INTO SANITARY. REFER TO CIVIL DRAWINGS FOR CONTINUATION. COORDINATE LOCATIONS WITH CIVIL.
- PLUMBING CONTRACTOR TO VERIFY LOCATION, SIZE, CONDITION, INVERTS, AND DIRECTION OF FLOW OF SANITARY PIPING IN FIELD PRIOR TO START OF WORK. COORDINATE WITH CIVIL FOR NEW SANITARY TIE-INS.
- NEW SANITARY / VENT PIPING UNDER GRADE. BED PIPING UNDER GRADE PER SPECIFICATION. COORDINATE LOCATION WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, STRUCTURAL, EQUIPMENT, AND OWNER.
- APPROXIMATE LOCATION OF NEW SA AND / OR VENT IN WALL OR CHASE. COORDINATE LOCATION WITH EQUIPMENT, ARCHITECTURAL, STRUCTURAL, AND OWNER. ENSURE THAT NO CONDUIT OR PIPING ARE IN SAW CUTTING AREAS OF WALLS IF ANY SAW CUTTING IS REQUIRED DURING INSTALL.
- COORDINATE LOCATIONS OF ALL FLOOR DRAINS ED-1, ED-2, FLOOR SINKS FS-1, FLOOR CLEANOUTS ECO, WALL CLEANOUTS WCO, AND CLEANOUTS COO WITH ARCHITECTURAL, EQUIPMENT, AND OWNER.
- COORDINATE LOCATION OF FLOOR SINK WITH BACKFLOW PREVENTION DEVICE, ARCHITECTURAL, AND STRUCTURAL. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ.
- GAS WATER HEATER GWH-1: TIE INTO CW, HW, AND HWC PIPING. PROVIDE EXPANSION TANK DTX-1 - SEE SCHEDULE. PROVIDE 4" CONCRETE PAD INDEPENDENT OF STRUCTURE AND DRAIN PAN FOR NEW GWH-1. COMMERCIAL GAS WATER HEATER AND NEW DTX-1 EXPANSION TANK. ROUTE T&P PIPING TO NEAREST FLOOR DRAIN. ENSURE PROPER AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ. PROVIDE MANUFACTURER'S CONDENSATE NEUTRALIZATION KIT AND ROUT TO NEAREST FLOOR DRAIN - PROVIDE AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ - DO NOT CREATE A TRIP HAZARD. GAS PIPING BY MECHANICAL WITH FINAL CONNECTION BY PLUMBING. PROVIDE MANUFACTURERS CONCENTRIC VENT KIT WITH VENT INSTALLATION BY PLUMBING AND FINAL CONNECTION TO EQUIPMENT BY PLUMBING. COORDINATE ROOF PENETRATION. COORDINATE WITH ELECTRICAL, MECHANICAL, FIRE PROTECTION, ARCHITECTURAL, AND STRUCTURAL. PROVIDE WATER CIRCULATION PUMP HCP-1. SEE SCHEDULE. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE 2014, ALL APPLICABLE CODES, AND AHJ. LOCATE ED-2 ADJACENT TO GWH-1. COORDINATE LOCATION WITH EQUIPMENT PAD.
- VENT PIPING ABOVE GROUND TO RUN AS HIGH AS POSSIBLE ABOVE CEILING. COORDINATE VENT PIPING WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, STRUCTURAL, AND EQUIPMENT.
- COORDINATE ALL VENT THRU ROOF WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, EQUIPMENT, ARCHITECTURAL, AND OWNER. EXTEND ALL VTR TO BE 2'-6" ABOVE ROOF LINE. ALL PLUMBING VENTS THRU ROOF SHALL BE A MINIMUM OF 15'-0" AWAY FROM HVAC INTAKES. CONTRACTOR SHALL ENSURE MINIMUM 15'-0" DISTANCE REQUIREMENT.

GENERAL NOTES

- CONTRACTOR TO INSULATE ALL NEW PIPING AND CONNECTIONS PER IECC 2021.
- ALL NEW DOMESTIC WATER PIPING TO BE DISINFECTED PER THE ILLINOIS PLUMBING CODE 2014.
- CONTRACTOR TO FIELD VERIFY LOCATION OF ALL SANITARY, VENT, AND WATER PIPING PRIOR TO WORK.
- CONTRACTOR TO VERIFY NO CONDUIT OR PIPING ARE IN SAW CUT AREAS PRIOR TO SAW CUTTING FLOORS OR WALLS IF ANY SAW CUTTING IS REQUIRED. PATCH FLOORS AND WALLS TO MATCH.
- CONTRACTOR IS RESPONSIBLE FOR ANY CEILING, WALL, OR FLOOR REMOVAL / REPLACEMENT REQUIRED BY NEW WORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND PAINTING FOR INSTALLATION OF NEW WORK. SEE ARCHITECTURAL FOR MORE INFORMATION.
- ALL PLUMBING AFFECTED BY THIS WORK SHALL BE COMPLIANT TO ILLINOIS PLUMBING CODE 2014 AND AHJ. IN THE EVENT OF CONFLICT BETWEEN CODES AND THE DRAWINGS, THE CODES SHALL BE FOLLOWED.
- ALL NEW PIPING MUST BE COORDINATED WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, CIVIL, ARCHITECTURAL, AND EQUIPMENT.
- CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ANY WORK PHASING REQUIREMENTS.
- HOT WATER CIRCULATION LINES ARE REQUIRED TO BE WITHIN 24" (TWENTY FOUR - INCHES) OF THE FIXTURE WATER SUPPLY FOR PUBLIC RESTROOMS PER ICC ENERGY CODE AND ILLINOIS PLUMBING INSPECTOR AHJ. COORDINATE IN FIELD.
- ALL FLOOR DRAIN COVERS, FLOOR CLEANOUT COVERS, AND FLOOR SINK COVERS SHALL BE INSTALLED FLUSH TO FINISHED FLOOR.

Floor Plan - SA & Vent - Plumbing
1/8" = 1'-0"



New Building

for
Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

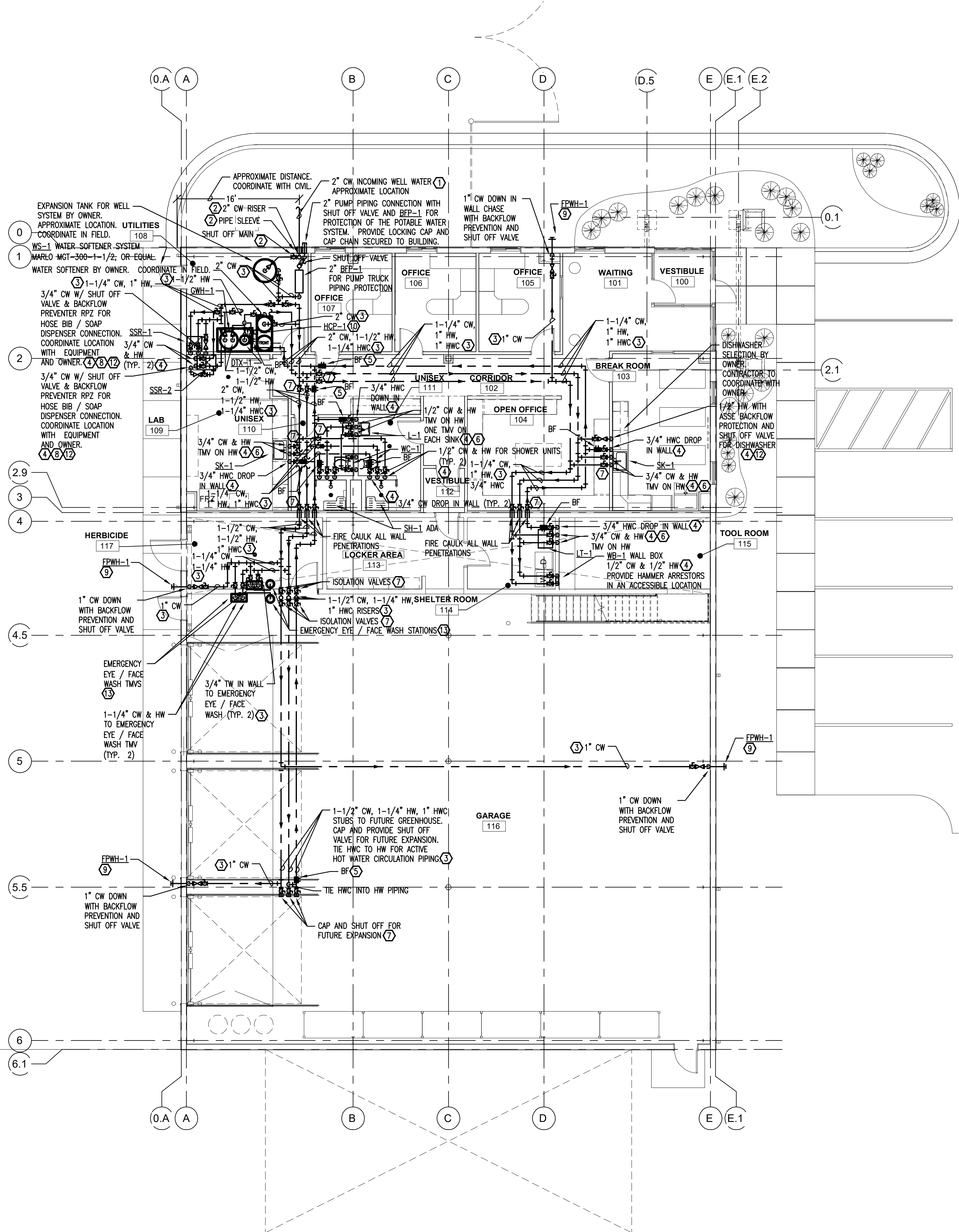
1/8" = 1'-0"

Sheet Title
FLOOR PLAN - WATER - PLUMBING

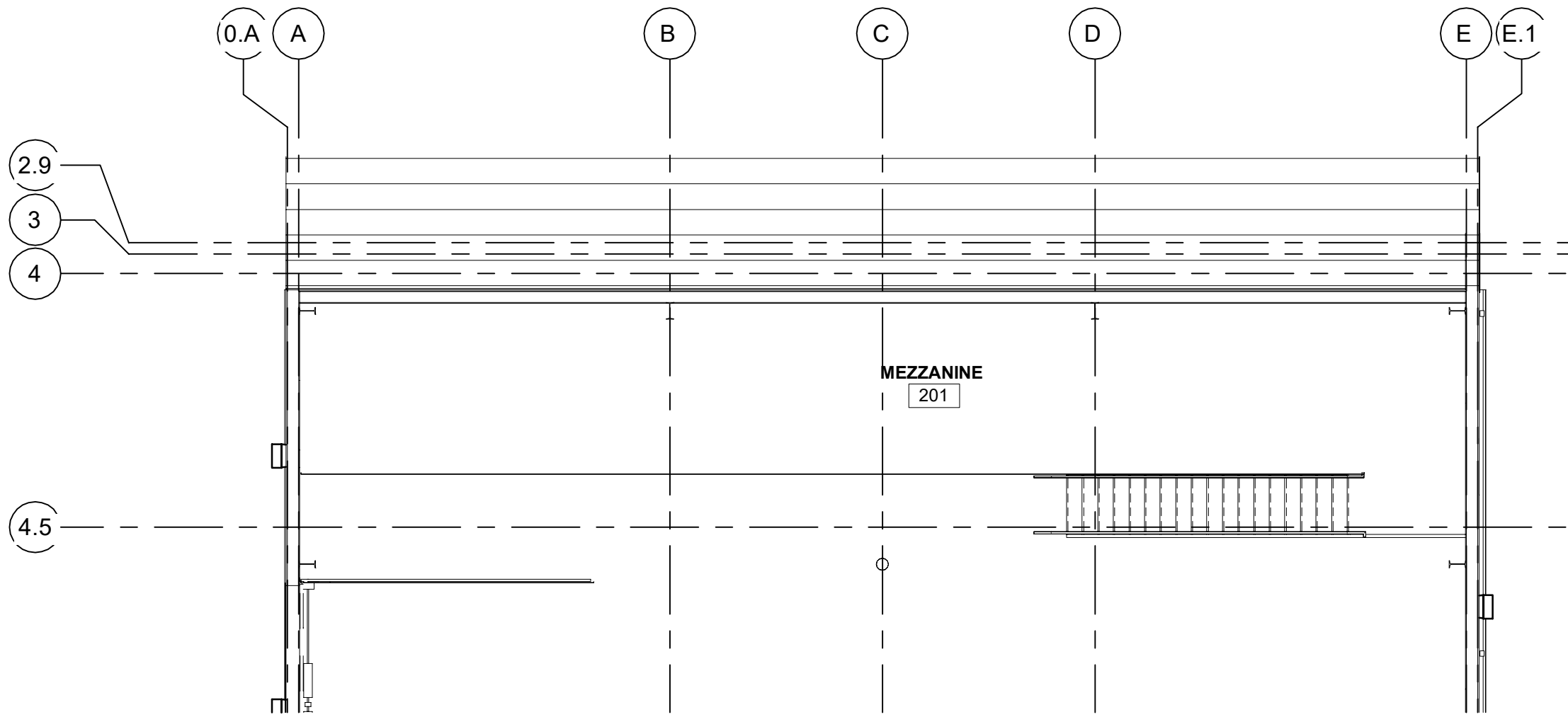
Ref. North Sheet No.

P1.12

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



Floor Plan - Water - Plumbing
1/8" = 1'-0"



Mezzanine Plan - Water - Plumbing
1/8" = 1'-0"

KEYED NOTES - WATER

- NEW 2" CW PIPING INTO BUILDING FROM WELL. CONTRACTOR TO VERIFY LOCATION IN FIELD PRIOR TO START OF WORK. COORDINATE WITH CIVIL AND IN FIELD WITH WELL.
- PROVIDE NEW CW RISER INTO BUILDING. PROVIDE SHUT OFF VALVE. WELL EXPANSION TANK PROVIDED BY OWNER. COORDINATE IN FIELD AND WITH OWNER. COORDINATE WATER WITH WINNEBAGO COUNTY WATER DEPARTMENT AND AHJ. COORDINATE LOCATION IN FIELD. COORDINATE WITH MECHANICAL, ELECTRICAL, ARCHITECTURAL, STRUCTURAL, EQUIPMENT, AND OWNER. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ.
- NEW CW, HW, AND / OR HWC PIPING. CONTRACTOR TO VERIFY LOCATION, SIZE, CONDITION, AND DIRECTION OF FLOW IN FIELD. COORDINATE PIPING WITH OWNER. PIPING TO BE RUN AS HIGH AS POSSIBLE - TIGHT TO STRUCTURE. COORDINATE LOCATION WITH MECHANICAL, ELECTRICAL, STRUCTURAL, ARCHITECTURAL, EQUIPMENT, AND OWNER. COORDINATE PIPE LOCATIONS / RUNS WITH MECHANICAL DUCT WORK AND ROOF SUPPORT SYSTEM.
- NEW CW, HW, AND / OR HWC PIPING INTO PIPING IN WALL OR WALL CHASE. COORDINATE WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, ARCHITECTURAL, STRUCTURAL, EQUIPMENT, AND FIXTURES. COORDINATE DROP IN CHASE OR WALL WITH MECHANICAL PIPING.
- PROVIDE BALANCING FITTING AT HWC BRANCH LINE.
- PROVIDE TMV ON HW.
- APPROXIMATE LOCATION OF SHUT OFF VALVE. ENSURE CLEARANCE FOR VALVE OPERATION AND MAINTENANCE. COORDINATE WITH MECHANICAL, ELECTRICAL, ARCHITECTURAL, STRUCTURAL, AND OWNER. PROVIDE ACCESS PANELS AS REQUIRED.
- PROVIDE 3/4" CW W/ BACKFLOW PREVENTER FOR HOSE BIB / SOAP DISPENSER AT EXISTING MOP SINK. RUN 3/4" PIPE DOWN INTO WALL AND INSTALL VALVE OUTSIDE OF WALL FOR CONNECTION TO SOAP / CHEMICAL SYSTEM. THIS IS A DEDICATED PIPE AND SHALL HAVE ACCESS TO BACKFLOW PREVENTER FOR MAINTENANCE AS WELL AS SHUT OFF VALVE FOR EMERGENCY / MAINTENANCE. COORDINATE LOCATION AND PIPING WITH SINK AND OWNER. CUT AND PATCH WALL TO INSTALL NEW PIPING. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE 2014 AND AHJ.
- FPWH-1: FREEZE PROOF WALL HYDRANT WITH ASSE APPROVED BACKFLOW PROTECTION DEVICE, SHUT OFF VALVE, AND WITHOUT A LOCKING COVER. COORDINATE CW PIPING, PIPING DROP, AND FREEZE PROOF WALL HYDRANT WITH ARCHITECTURAL AND OWNER. CONTRACTOR TO SIZE FREEZE PROOF WALL HYDRANT IN FIELD FOR LOCATION AND WALL THICKNESS. INSTALL FREEZE PROOF WALL HYDRANT AT HEIGHT OF 3'-0" ABOVE GRADE, COORDINATE HEIGHT WITH OWNER AND ARCHITECT. ENSURE ENTIRE INSTALLATION IS COMPLIANT TO ALL APPLICABLE CODES AND AHJ. SEE PLUMBING FIXTURE SCHEDULE.
- GAS WATER HEATER GWH-1: TIE INTO CW, HW, AND HWC PIPING. PROVIDE EXPANSION TANK DTX-1 - SEE SCHEDULE. PROVIDE 4" CONCRETE PAD INDEPENDENT OF STRUCTURE AND DRAIN PAN FOR NEW GWH-1 COMMERCIAL GAS WATER HEATER AND NEW DTX-1 EXPANSION TANK. ROUTE T&P PIPING TO NEAREST FLOOR DRAIN. ENSURE PROPER AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ. PROVIDE MANUFACTURER'S CONDENSATE NEUTRALIZATION KIT AND ROUT TO NEAREST FLOOR DRAIN - PROVIDE AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ - DO NOT CREATE A TRIP HAZARD. GAS PIPING BY MECHANICAL WITH FINAL CONNECTION BY PLUMBING. PROVIDE MANUFACTURERS CONCENTRIC VENT KIT WITH VENT INSTALLATION BY PLUMBING WITH FINAL CONNECTION TO EQUIPMENT BY PLUMBING. COORDINATE ROOF PENETRATION. COORDINATE WITH ELECTRICAL, MECHANICAL, FIRE PROTECTION, ARCHITECTURAL, AND STRUCTURAL. PROVIDE WATER CIRCULATION PUMP HCP-1. SEE SCHEDULE. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE 2014, ALL APPLICABLE CODES, AND AHJ. LOCATE FD-2 ADJACENT TO GWH-1. COORDINATE LOCATION WITH EQUIPMENT PAD.
- COORDINATE LOCATION OF HCP CIRCULATION PUMP WITH OWNER. MAX HEIGHT TO BE 6'-0" AFF AND MINIMUM HEIGHT TO BE 4'-0" AFF AT WALL.
- PROVIDE ASSE APPROVED BACKFLOW PREVENTION DEVICE ON WATER CONNECTION TO FIXTURE OR EQUIPMENT.
- ENSURE EYE / FACE WASH SYSTEM AND TMV ARE COMPLIANT TO ALL APPLICABLE CODES AND AHJ.

GENERAL NOTES

- CONTRACTOR TO INSULATE ALL NEW PIPING AND CONNECTIONS PER IECC 2021.
- ALL NEW DOMESTIC WATER PIPING TO BE DISINFECTED PER THE ILLINOIS PLUMBING CODE 2014.
- CONTRACTOR TO FIELD VERIFY LOCATION OF ALL SANITARY, VENT, AND WATER PIPING PRIOR TO WORK.
- CONTRACTOR TO VERIFY NO CONDUIT OR PIPING ARE IN SAW CUT AREAS PRIOR TO SAW CUTTING FLOORS OR WALLS IF ANY SAW CUTTING IS REQUIRED. PATCH FLOORS AND WALLS TO MATCH.
- CONTRACTOR IS RESPONSIBLE FOR ANY CEILING, WALL, OR FLOOR REMOVAL / REPLACEMENT REQUIRED BY NEW WORK.
- CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING, PATCHING, AND PAINTING FOR INSTALLATION OF NEW WORK. SEE ARCHITECTURAL FOR MORE INFORMATION.
- ALL PLUMBING AFFECTED BY THIS WORK SHALL BE COMPLIANT TO ILLINOIS PLUMBING CODE 2014 AND AHJ. IN THE EVENT OF CONFLICT BETWEEN CODES AND THE DRAWINGS, THE CODES SHALL BE FOLLOWED.
- ALL NEW PIPING MUST BE COORDINATED WITH MECHANICAL, ELECTRICAL, FIRE PROTECTION, STRUCTURAL, CIVIL, ARCHITECTURAL, AND EQUIPMENT.
- CONTRACTOR TO REFER TO ARCHITECTURAL DRAWINGS FOR ANY WORK PHASING REQUIREMENTS.
- HOT WATER CIRCULATION LINES ARE REQUIRED TO BE WITHIN 24" (TWENTY FOUR - INCHES) OF THE FIXTURE WATER SUPPLY FOR PUBLIC RESTROOMS PER ICC ENERGY CODE AND ILLINOIS PLUMBING INSPECTOR AHJ. COORDINATE IN FIELD.
- ALL FLOOR DRAIN COVERS, FLOOR CLEANOUT COVERS, AND FLOOR SINK COVERS SHALL BE INSTALLED FLUSH TO FINISHED FLOOR.

GENERAL NOTES - ALL CONTRACTORS

- A. DRAWINGS ARE GENERALLY DIAGRAMMATIC. ROUTING OF PIPING, DUCTWORK, CONDUITS, RACEWAYS, ETC., AS SHOWN ON DRAWINGS, DOES NOT INTEND TO SHOW EVERY RISE, DROP, OFFSET, FITTING, NOR EVERY STRUCTURAL ELEMENT THAT MAY BE ENCOUNTERED DURING THE INSTALLATION OF THIS WORK. EACH CONTRACTOR SHALL MAKE ANY REQUIRED CHANGES FROM THE GENERAL ROUTING SHOWN ON THESE DRAWINGS, SUCH AS OFFSETS, BENDS OR CHANGES IN ELEVATION DUE TO COORDINATION WITH THE WORK OF OTHER TRADES AND BUILDING CONSTRUCTION. ALL CHANGES SHALL BE MADE WITHOUT ADDITIONAL COST TOT HE OWNER OR DELAY IN COMPLETION DATE OF THE PROJECT.
- B. IT IS INTENDED THAT EQUIPMENT SHALL BE LOCATED SYMMETRICALLY WITH THE ARCHITECTURAL ELEMENTS OF THE BUILDING, NOTWITHSTANDING THE FACT THAT LOCATIONS INDICATED BY THESE DRAWINGS MAY BE DISTORTED FOR CLARNESS OF PRESENTATION.
- C. CONTRACTOR SHALL CHECK DRAWINGS OF OTHER TRADES TO VERIFY THAT SPACES IN WHICH THEIR WORK WILL BE INSTALLED ARE CLEAR OF OBSTRUCTIONS. WORK SHALL BE INSTALLED TO MAINTAIN MAXIMUM HEADROOM AND SPACE CONDITION AT ALL POINTS IN THE BUILDING. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, CONTRACTOR SHALL NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE INSTALLATION OF THEIR WORK.
- D. CONTRACTOR SHALL FURNISH OTHER TRADES ADVANCE INFORMATION AND/OR SHOP DRAWINGS ON LOCATIONS AND SIZES OF PIPING, DUCTWORK, CONDUIT, RACEWAYS, EQUIPMENT, FRAMES, BOXES, SLEEVES AND OPENINGS, ETC. NEEDED FOR THEIR WORK TO PERMIT OTHER TRADES AFFECTED TO INSTALL THEIR WORK PROPERLY AND WITHOUT DELAY.
- E. WHERE THERE IS EVIDENCE THAT WORK OF ONE TRADE WILL INTERFERE WITH WORK OF OTHER TRADES, ALL TRADES SHALL MEET ON JOB SITE TO WORK OUT SPACE CONDITIONS AND MAKE SATISFACTORY ADJUSTMENTS TO INSTALLATION OF THE NEW WORK. CONTRACTORS SHALL VERIFY EXACT LOCATIONS OF ALL DEVICES AND EQUIPMENT WITH FIELD CONDITIONS. SHOP DRAWINGS, AND WORK OF OTHER TRADES PRIOR TO ROUGH-IN. EACH CONTRACTOR SHALL BE RESPONSIBLE, AT THEIR OWN EXPENSE, FOR THE REMOVAL AND REINSTALLATION OF ANY PART OF THEIR WORK IF SAME WAS INSTALLED WITHOUT CONSULTING WITH OTHER TRADES BEFORE INSTALLING THEIR WORK.
- F. CONTRACTOR SHALL PROVIDE SLEEVES IN BEAMS, FLOORS, COLUMNS AND WALLS AS SHOWN ON THE DRAWINGS, AS REQUIRED BY JOB SITE CONDITIONS, AND/OR AS SPECIFIED, WHEN INSTALLING THEIR WORK. ALL BEAMS AND COLUMNS WHICH ARE REQUIRED TO BE SLEEVED SHALL BE CUT AND REINFORCED AS REQUIRED BY FIELD CONDITIONS AND LOCATIONS AND SIZES SHALL BE CHECKED AND APPROVED BY ARCHITECT BEFORE CONTRACTOR CUTS AND STRUCTURAL BUILDING MEMBER.
- G. THE SEQUENCE FOR THE INSTALLATION OF ALL WORK SHALL BE COORDINATED BETWEEN ALL CONTRACTORS ON THE PROJECT AND IN STRICT ACCORDANCE WITH ARCHITECT/ENGINEER AND OWNERS STIPULATION AS CALLED FOR IN THE SPECIFICATION AND/OR AS DIRECTED.
- H. CONTRACTOR SHALL REFER TO THE ARCHITECTURAL AND STRUCTURAL CONTRACT DRAWINGS (BEFORE SUBMITTING THEIR BIDS) TO FAMILIARIZE THEMSELVES WITH THE EXTENT OF THE GENERAL CONTRACTORS WORK, CEILING HEIGHTS AND CLEARANCE FOR INSTALLING THEIR WORK.
- I. CONTRACTOR SHALL BE RESPONSIBLE AND PAY FOR ALL CORING, CUTTING, PATCHING, REPAIRING, REFINISHING AND REMOVAL/REPLACEMENT OF NEW OR EXISTING BUILDING CONSTRUCTION REQUIRED TO ACCOMMODATE THE INSTALLATION OR REMOVAL OF THEIR WORK. ALL PATCHING, REPAIRING AND REFINISHING WORK SHALL BE PERFORMED BY THOSE REGULARLY INVOLVED IN THAT TRADE AND SHALL MATCH THE ADJACENT CONSTRUCTION AS CLOSELY AS POSSIBLE. CARE SHALL BE TAKEN SO AS NOT TO DAMAGE ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN. ANY EXISTING BUILDING CONSTRUCTION OR ITEMS THAT ARE TO REMAIN, ANY EXISTING FINISHES THAT ARE DAMAGED DURING THE INSTALLATION OF NEW WORK OR REMOVAL OF EXISTING WORK SHALL BE REPAIRED, REPLACED AND PAID FOR BY THE INSTALLING CONTRACTOR, TO THE SATISFACTION OF THE ARCHITECT AND OWNER. REFER TO ARCHITECTURAL DRAWINGS FOR EXISTING BUILDING CONSTRUCTION THAT IS TO REMAIN AND, THEREFORE, SUBJECT TO PATCHING, REPAIRING, REFINISHING, AND REMOVAL/REPLACEMENT.
- J. SOME OF THE EXISTING ITEMS AND EQUIPMENT SCHEDULED TO BE REMOVED SHALL BE TURNED OVER TO THE OWNER. ANY ITEMS THAT THE OWNER WANTS TO RETAIN SHALL BE REMOVED CAREFULLY SO AS NOT TO DAMAGE THEM. ALL OTHER ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND REMOVED FROM THE SITE.
- K. CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN CLEAN-UP DURING CONSTRUCTION. IF CONTRACTOR FAILS TO PROVIDE SUCH CLEAN-UP, THE ARCHITECT/ENGINEER WILL DIRECT ANOTHER CONTRACTOR TO PERFORM THE CLEAN-UP AND THE NEGLENT CONTRACTOR SHALL PAY THE ASSOCIATED BACK-CHARGES AS DEEMED APPROPRIATE BY THE ARCHITECT/ENGINEER.
- L. CONTRACTOR SHALL INSTALL ALL AUXILIARY SUPPORTING STEEL AS REQUIRED FOR THE SUPPORTING OF THEIR PIPING, DUCTWORK, CONDUIT, TANKS, EQUIPMENT, ETC. ALL SUPPORTING STEEL FOR ITEMS ABOVE A SUSPENDED CEILING SHALL BE FROM BUILDING STRUCTURAL MEMBERS ONLY.
- M. IT IS MANDATORY THAT THE COMPLETE EXISTING BUILDING REMAIN IN CONTINUOUS AND NON-INTERRUPTED OPERATION DURING REMODELING/ALTERING OF SAID EXISTING BUILDING. THE SPECIFIC AREA(S) BEING REMODELED/ALTERED AT ANY SCHEDULED TIME ARE OBVIOUSLY EXCLUSIVE OF THIS STATEMENT. SERVICES TO EXISTING BUILDING SHALL BE KEPT IN CONTINUOUS OPERATION INCLUDING POWER, SIGNAL SYSTEMS, LIGHTING, TELEPHONE, HEATING, COOLING, VENTILATING, TEMPERATURE CONTROL, SEWERS AND HOT AND COLD WATER. ANY ABSOLUTELY NECESSARY INTERRUPTION OF THESE SERVICES TO ACCOMPLISH CONTRACT WORK SHALL BE ARRANGED THROUGH THE ARCHITECT WITH THE OWNER A MINIMUM OF TEN (10) WORKING DAYS IN ADVANCE. SUCH INTERRUPTIONS SHALL BE KEPT TO AN ABSOLUTE MINIMUM AS FAR AS TIME INTERVAL IS INVOLVED AND TEMPORARY SERVICES SHALL BE FURNISHED AND INSTALLED UNDER CONTRACT WHERE NECESSARY TO ACCOMPLISH THIS PURPOSE. TEMPORARIES SHALL BE REMOVED BY THE CONTRACTOR ONLY AFTER NEW PERMANENT SERVICES ARE INSTALLED AND FULLY OPERATIONAL.
- N. UNLESS INDICATED OTHERWISE, THE ARCHITECT/ENGINEER MAKES NO REPRESENTATION AS TO WHETHER OR NOT ANY HAZARDOUS OR CONTAMINATED MATERIALS (INCLUDING BUT NOT LIMITED TO ASBESTOS, PCB'S, CONTAMINATED SOILS, ETC.) ARE PRESENT WITHIN THE EXISTING BUILDING OR ON THE SITE. WORK SHOWN ON THE DRAWINGS AND/OR INDICATED IN THE SPECIFICATIONS SHALL NOT BE CONSTRUED TO CALL FOR CONTACT WITH ANY OF THESE MATERIALS. IF THESE MATERIALS ARE ENCOUNTERED OR SUSPECTED, THE CONTRACTOR SHALL NOT DISTURB THEM AND SHALL CONTACT THE ARCHITECT/ENGINEER IMMEDIATELY.
- O. CONTRACTOR SHALL STORE ALL MATERIALS AND EQUIPMENT SHIPPED TO THE SITE IN A PROTECTED AREA. IF MATERIAL IS STORED OUTSIDE OF THE BUILDING, IT MUST BE STORED OFF THE GROUND A MINIMUM OF SIX INCHES (6") SET ON 6 X 6 PLANKS AND/OR WOOD PALLETS. ALL MATERIAL AND EQUIPMENT MUST BE COMPLETELY COVERED WITH WATERPROOF TARPS OR VISQUIN. ALL PIPING AND DUCTWORK WILL HAVE THE ENDS CLOSED TO KEEP OUT DIRT AND OTHER DEBRIS. NO EQUIPMENT WILL BE ALLOWED TO BE STORED ON THE SITE UNLESS IT IS SITTING ON WOOD PLANKS AND COMPLETELY PROTECTED WITH WEATHERPROOF COVERS.
- P. THE DRAWINGS, SCHEDULES AND SPECIFICATIONS HAVE BEEN PREPARED USING ONE MANUFACTURER FOR EACH PIECE OF EQUIPMENT AS THE BASIS FOR DIMENSIONAL DESIGN. IF THE CONTRACTOR PURCHASES EQUIPMENT LISTED AS A SPECIFIED ACCEPTABLE MANUFACTURER BUT IS NOT THE SCHEDULED MANUFACTURER USED FOR THE BASE DESIGN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING ALL THE DIMENSIONS OF THE EQUIPMENT TO VERIFY THAT IT WILL FIT IN THE SPACE SHOWN ON THE DRAWINGS. MINOR DEVIATIONS IN DIMENSIONS WILL BE PERMITTED, PROVIDED THE RATINGS MEET THOSE SHOWN ON THE DRAWINGS AND EQUIPMENT WILL PHYSICALLY FIT INTO THE SPACE ALLOCATED WITH SUITABLE ACCESS AROUND EQUIPMENT FOR OPERATION AND MAINTENANCE ON THE EQUIPMENT.
- Q. CONTRACTOR AND/OR MANUFACTURER SHALL VERIFY THAT THE CHARACTERISTICS OF THE EQUIPMENT HE SUBMITS FOR REVIEW MEETS THE CAPACITY AND DUTY SPECIFIED.
- R. WHEN EQUIPMENT IS SUBMITTED FOR REVIEW AND DOES NOT MEET THE PHYSICAL SIZE OR ARRANGEMENT OF THAT SCHEDULED AND SPECIFIED, CONTRACTOR SHALL PAY FOR ALL ALTERATIONS REQUIRED TO ACCOMMODATE SUCH EQUIPMENT AT NO ADDITIONAL COST TO OWNER. CONTRACTOR WILL ALSO PAY ALL COSTS FOR ADDITIONAL WORK REQUIRED BY OTHER CONTRACTORS, OWNER, ARCHITECT OR ENGINEER TO MAKE CHANGES WHICH WOULD ALLOW THE EQUIPMENT TO FIT IN THE SPACE AND FUNCTION AS INTENDED.
- S. CONTRACTOR SHALL FIELD VERIFY THE SIZE OF EXISTING OPENINGS, WINDOWS, DOORS, CORRIDORS, ROOMS, ETC. FOR ACCESS OF THE NEW EQUIPMENT INTO OR REMOVAL OF EXISTING EQUIPMENT FROM THE BUILDING. IF OPENINGS ARE TOO SMALL FOR ACCESS THEN CONTRACTOR SHALL, AT HIS OWN EXPENSE, PROVIDE NEW OR ENLARGED OPENINGS AND RESTORE SAME TO ORIGINAL SIZE AND CONDITION. CONTRACTOR MAY ELECT TO ORDER THE EQUIPMENT DISASSEMBLED AND/OR WITH SPLIT HOUSING FOR ENTRANCE INTO THE EXISTING SPACE OR BUILDING. CONTRACTOR SHALL REASSEMBLE EQUIPMENT AFTER IT IS IN THE SPACE AT HIS OWN EXPENSE.

PLUMBING ABBREVIATIONS & SYMBOLS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE REQUIRED FOR THIS PROJECT.

----- CW -----	COLD WATER SUPPLY
----- HW -----	HOT WATER SUPPLY
----- HWC -----	HOT WATER CIRCULATING
----- TW -----	TEMPERED WATER SUPPLY
----- TWC -----	TEMPERED WATER CIRCULATING
----- WM -----	WATER MAIN
----- SA -----	SUSPENDED SANITARY SEWER
----- SA -----	UNDERGROUND SANITARY SEWER
----- V -----	SUSPENDED VENT PIPING
----- PD -----	PUMPED DISCHARGE PIPING
----- IO -----	PIPE ELBOW (TURNED UP)
----- ID -----	PIPE ELBOW (TURNED DOWN)
----- ID -----	PIPE TEE DOWN (DROP)
----- ID -----	PIPE TEE UP TO FLOOR ABOVE (RISE)
----- ID -----	PIPE TEE UP OR ANGLE
----- ID -----	PIPE TEE DOWN OR ANGLE
----- ID -----	PIPE TEE HORIZONTAL
----- ID -----	90° ELBOW IN HORIZONTAL PIPE RUN
----- ID -----	ANGLE ELBOW IN HORIZONTAL PIPE RUN
----- NC -----	NEW CONNECTION
----- GV -----	GATE VALVE
----- CK -----	CHECK VALVE
----- BF -----	BALANCING FITTING
----- CS -----	CIRCUIT BALANCING VALVE W/BALANCING PORTS
----- PG -----	PIPE ALIGNMENT GUIDE
----- PS -----	PIPE SLEEVE
----- UN -----	PIPE UNION
----- STR -----	STRAINER
----- PG -----	ECCENTRIC REDUCER OR INCREASER
----- WT -----	PRESSURE GAUGE AND NEEDLE VALVE
----- WT -----	WATER THERMOMETER (WITH PIPE WELL)
----- WH -----	WALL HYDRANT
----- CO -----	CLEANOUT IN SUSPENDED CEILING
----- EDO -----	FLOOR CLEANOUT
----- ED -----	FLOOR DRAIN (ROUND)
----- HV -----	HOSE VALVE
----- P-1 -----	PLUMBING STACK No. RISER DIAGRAM TAG RISER DIAGRAM DRAWING No.

GENERAL NOTES - PLUMBING

- A. ALL WATER SUPPLY AND RETURN PIPING SHALL BE SUSPENDED WITH CLEVIS AND/OR TRAPEZE PIPE HANGERS. INSULATED PIPING SHALL REST ON STEEL OR WOOD. PIPE COVERING PROTECTION SADDLES OR SHEET METAL INSULATION SHIELDS AS CALLED FOR IN THE SPECIFICATIONS AND/OR DETAILED ON THE DRAWING.
- B. ALL WATER SUPPLY AND RETURN PIPING SHALL BE INSULATED, INCLUDING ALL PIPING ABOVE CEILINGS, INSIDE EQUIPMENT, CABINETS, PIPE CHASES AND IN WALLS. SEE SPECIFICATIONS FOR TYPE AND THICKNESS OF INSULATION.
- C. ALL HOT WATER SUPPLY AND RECIRCULATING PIPING SHALL BE INSTALLED TO COMPENSATE FOR EXPANSION OF THE PIPE BY INSTALLING PIPE ANCHORS, GUIDES, EXPANSION JOINTS OR LOOPS AND PIPE OFFSETS AS REQUIRED BY FIELD CONDITIONS OR AS SHOWN ON THE DRAWINGS.
- D. ALL PIPING PASSING THRU FLOOR CONSTRUCTION SHALL HAVE A SCHEDULE 40 STEEL PIPE SLEEVE INSTALLED AROUND PIPE ONLY. ALL PIPE PASSING THRU WALLS SHALL HAVE A GALVANIZED SHEET METAL OR SCHEDULE 40 STEEL SLEEVE INSTALLED AROUND THE PIPE AND PIPE INSULATION. SEE SLEEVE DETAILS THESE DRAWINGS.
- E. PITCH ALL SUPPLY AND RETURN WATER LINES TO DRAIN COMPLETELY THROUGH LOWER EQUIPMENT FIXTURES, UNIONS, OR DRAIN VALVES. INSTALL A 1/2" DRAIN VALVE WITH 3/4" HOSE THREAD AND VACUUM BREAKER OUTLET IN ALL MAIN PIPING RUNS WHICH WOULD NOT BE ABLE TO DRAIN THRU A LOWER PIECE OF EQUIPMENT.
- F. ALL VENT AND WASTE PIPING SIZES ARE MINIMUM. ADDITIONAL VENTS SHALL BE ADDED AND/OR PIPE SIZE INCREASED AS REQUIRED BY APPLICABLE CODES, STATUTES AND REGULATIONS, ETC. WITHOUT ADDITIONAL COST TO THE OWNER.
- G. UNUSED OPENINGS IN SEWERS, MANHOLES, ETC. SHALL BE CAPPED; THOSE IN PIPING SHALL BE CAPPED OR PLUGGED; STRUCTURAL MEMBERS AND SUPPORTS SHALL NOT BE CUT UNLESS AUTHORIZED BY ARCHITECT IN WRITING.
- H. CERTAIN ABBREVIATIONS OR SYMBOLS, WHEN APPLIED TO PRESENT (OR EXISTING) LINE, DEVICE OR EQUIPMENT, SHALL HAVE THE FOLLOWING MEANINGS.
- NC NEW CONNECTION TO PRESENT PIPING, DEVICE, MANHOLE, SEWER, DUCT, WIRING, EQUIPMENT, ETC. INSTALL, TEST, COVER, PAINT, ETC. SAME AS NEW WORK. IF IN SEWER MANHOLE, PROVIDE FLOW CHANNEL IN BOTTOM.
- VL VERIFY EXACT LOCATION, SIZE, INVERT, ETC. IN FIELD. THIS NOTE APPLIES TO ALL PRESENT OR EXISTING UTILITIES AND CONSTRUCTION WHETHER CALLED FOR OR NOT.

PLUMBING ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE REQUIRED FOR THIS PROJECT.

AC	ABOVE CEILING	PS	PIPE SLEEVE
BV	BALL VALVE	RCO	RISER CLEANOUT
BFP	BACKFLOW PREVENTER	SK	SINK
BF	BALANCING FITTING	SS	SERVICE SINK
CI	CAST IRON	SSR	SERVICE SINK RECEPTOR
CIU	CAST IRON PIPE UNDERGROUND	TFA	TO FLOOR ABOVE
CK	CHECK VALVE	TFB	TO FLOOR BELOW
CO	CLEANOUT	TMV	THERMOSTATIC MIXING VALVE
CTB	CLOSE TO BOTTOM OF BEAM	UR	URINAL
CTC	CLOSE TO CEILING	UV	UNDERFLOOR VENT
DWV	DROP TO WASTE, RAISE TO VENT FIRST FIGURE -- WASTE SIZE; SECOND FIGURE -- VENT SIZE	V42"	VENT LINE RUN OR CONNECTED ABOVE FLOOR BY 42"
EWC	ELECTRIC WATER COOLER	VB	VACUUM BREAKER
FBO	FURNISHED BY OTHERS	VTR	VENT THROUGH ROOF
FCO	FLOOR CLEANOUT	W	WASTE
FFA	FROM FLOOR ABOVE	WC	WATER CLOSET
FFB	FROM FLOOR BELOW	WCO	WALL CLEANOUT
GV	GATE VALVE	WF	WASH FOUNTAIN
HV	HOSE VALVE	WH	WALL HYDRANT
L	LAVATORY	WT	WATER THERMOMETER
LAV	LAVATORY	YCO	YARD CLEANOUT
OV	OFFSET VENT, CONCEALED		
PD	PUMP DISCHARGE		

WATER FLOW INFORMATION

WATER FLOW TEST INFORMATION FOR THIS PROJECT IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL CONTACT THE WINNEBAGO COUNTY WATER DEPARTMENT, ILLINOIS FOR INCOMING WATER SERVICE FLOW TEST INFORMATION AND TO SCHEDULE A CURRENT WATER FLOW TEST FOR THIS PROJECT PRIOR TO START OF WORK. CONTRACTOR SHALL PROVIDE THE DESIGN TEAM CONSISTING OF THE ARCHITECT, MEP ENGINEER, CIVIL ENGINEER, AND OWNER A COPY OF THE CURRENT WATER FLOW TEST INFORMATION CONDUCTED BY THE WINNEBAGO COUNTY WATER DEPARTMENT. FOR ADDITIONAL INFORMATION ON WATER FLOW TESTS AND SCHEDULING CONTACT THE WINNEBAGO COUNTY WATER DEPARTMENT, ILLINOIS WATER DEPARTMENT.

GAS WATER HEATER (GWH) SCHEDULE

EQUIP. TAG	MANUFACTURER	MODEL	BTU INPUT	RECOVERY CAPACITY	TANK CAPACITY GAL.	THERMAL EFFICIENCY (%)	VENT	ELECTRICAL REQUIREMENTS	NOTES
GWH-1	A.O. SMITH	BTH-150A	150,000	148 GPH @ 120°FΔ T	100	97%	4"	15 AMP. (MAX.) 120V. 60 HZ, 1 PHASE	1,2,3,4,5,6,7,8,9

NOTES:

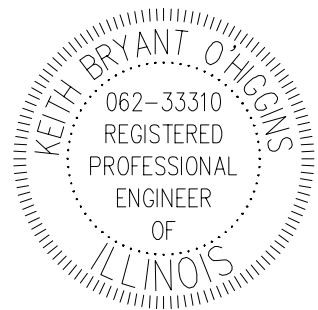
- ALL CAPACITIES LISTED ARE MINIMUM REQUIREMENTS.
- CONTRACTOR TO SUBMIT MODIFIED PIPING DIAGRAMS IN THE EVENT THAT ONE OF THE OTHER MANUFACTURERS LISTED IN THE SPECIFICATIONS ARE UTILIZED IN LIEU OF MANUFACTURER LISTED ABOVE.
- CONTRACTOR TO PROVIDE INTERCONNECTING WIRING FOR HEATERS AS SHOWN ON WIRING DIAGRAMS, IN ACCORDANCE WITH DIVISION-16 SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND COMPENSATING OTHER TRADES FOR INCREASED ELECTRICAL REQUIREMENTS WHICH MAY OCCUR FROM UTILIZING OTHER ACCEPTABLE EQUIPMENT.
- ALL UNITS SHALL BE MANUFACTURED FOR A MINIMUM 150 PSIG WORKING PRESSURE.
- PIPE T & P DOWN TO FLOOR DRAIN. ENSURE AIR GAP TO ILLINOIS PLUMBING CODE AND AHJ.
- CONCENTRIC VENT KIT PER MANUFACTURER SPECIFICATIONS AND INSTALLATION INSTRUCTIONS. ENSURE COMPLIANCE TO APPLICABLE CODES, AND AHJ
- OR APPROVED EQUAL.
- PROVIDE CONDENSATE NEUTRALIZATION KIT. PIPE TO FLOOR DRAIN. ENSURE AIR GAP TO ILLINOIS PLUMBING CODE AND AHJ.

DOMESTIC HOT WATER EXPANSION TANK (DXT) SCHEDULE

EQUIP. TAG	MANUFACTURER	MODEL	TANK VOLUME (GALS.)	MAXIMUM ACCEPT FACTOR	WORKING PRESSURE (PSIG.)	PRECHARGED PRESSURE (PSIG.)	H/O (IN.)	CONN. (IN.)
DXT-1	AMTROL	ST-42VC-DD (ASME)	23.0	.49	150	55	33/15	3/4

DOMESTIC IN-LINE CIRCULATING PUMP (HCP) SCHEDULE

EQUIP. TAG	GPM	HEAD (FT.)	FLANGE SIZE (IN.)	MOTOR			BELL AND GOSSET MODEL
				HP	PHASE	VOLT	
HCP-1	5	28	1-1/4"	1/6	1	115	ECCORC XL N 36-45 LEAD FREE STAINLESS STEEL (OR APPROVED EQUAL)



EXPIRES NOVEMBER 30, 2025

Keith B. O'Higgins

BLAKEMORE ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title
ABBREVIATIONS, NOTES, & SYMBOLS - PLUMBING

Ref. North Sheet No.

P3.01

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



EXPIRES NOVEMBER 30, 2025

Keith B. Higgins

BA

BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

SCHEDULES - PLUMBING

Ref. North

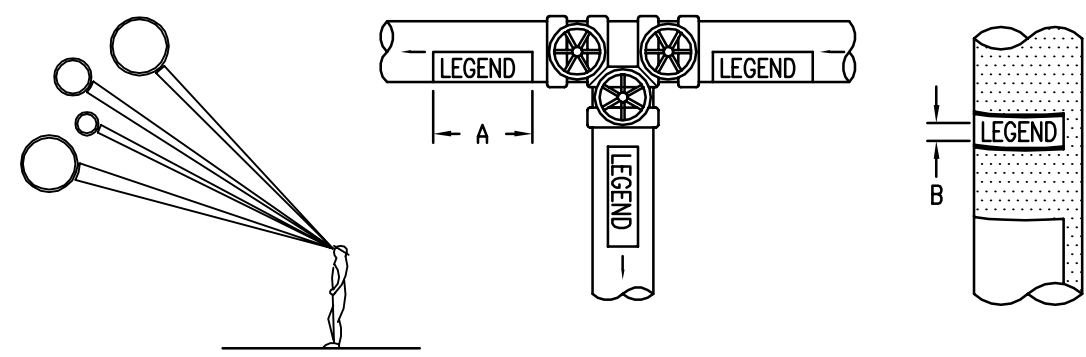
Sheet No.

P3.02

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342

PLUMBING FIXTURE SCHEDULE

FIXTURE TAG	FIXTURE		TRIM		NOTES:
	MANUFACTURER	MODEL	MANUFACTURER	MODEL	
BEP-1	WATTS	LF009M2QTS-FS	-	-	2" LEAD FREE WATTS LF009M2QTS REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY FOR PROTECTION TO THE POTABLE WATER SYSTEM, OR APPROVED EQUAL. ANSI/ASSE 1013: LEAD FREE CAST COPPER SILICON ALLOY, SILICON RUBBER DISHES, UNION CONNECTORS, QUARTER TURN VALVE, TWO IN-LINE INDEPENDENT CHECK VALVES, SWIVEL FEATURE, TEST COCKS, AND FUNNEL DRAIN. PROVIDE STRAINER. PROVIDE AIR GAP AND ROUTE TO NEAREST FLOOR SINK / FLOOR DRAIN. ENSURE AIR GAP PER ILLINOIS PLUMBING CODE AND AHJ. PROVIDE OPTION (-FS) FLOOD DETECTION SYSTEM AND COORDINATE WITH ELECTRICAL. SEE SPECIFICATION MANUFACTURERS SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION.
BEP-3	WATTS	LF009M3QTS	-	-	3/4" LEAD FREE WATTS LF009M3QTS REDUCED PRESSURE PRINCIPLE BACKFLOW ASSEMBLY FOR PROTECTION TO THE POTABLE WATER SYSTEM, OR APPROVED EQUAL. ANSI/ASSE 1013: LEAD FREE CAST COPPER SILICON ALLOY, SILICON RUBBER DISHES, UNION CONNECTORS, QUARTER TURN VALVE, TWO IN-LINE INDEPENDENT CHECK VALVES, SWIVEL FEATURE, TEST COCKS, AND FUNNEL DRAIN. PROVIDE STRAINER. SEE SPECIFICATION MANUFACTURERS SPECIFICATIONS AND INSTALLATION INSTRUCTIONS FOR MORE INFORMATION. FOR 3/4" CW LINE NEXT TO SERVICE SINK RECEPTOR SSR-1 AND SSR-2.
EMERGENCY EYE / FACE WASH EYE-1	GUARDIAN	G1704BC	GUARDIAN EM EYE / FACE WASH TMV (EYE-1-TMV)	G6020	GUARDIAN EMERGENCY SAFETY WIDE AREA EYE / FACE WASH ADA COMPLIANT G1704BC FREE STANDING MOUNTED WITH STAINLESS STEEL BOWL AND BOWL PROTECTION COVER. ANSI Z358.1-2014 COMPLIANT. ADA COMPLIANT. PROVIDE GUARDIAN G LEAD FREE 6020 THERMOSTATIC MIXING VALVE FOR GUARDIAN EMERGENCY EYE / FACE WASH. GUARDIAN MIXING VALVE IS ASSE 1071 AND ANSI Z325.1-2014 COMPLIANT. THERMOSTATIC MIXING VALVE TO BE HOUSED IN MANUFACTURES PROTECTIVE LOCKING STEEL CABINET - PROVIDE LOCKING STEEL CABINET AND MOUNT ON WALL ABOVE SAFETY EYE / FACE WASH. COORDINATE LOCATION IN FIELD. PROVIDE OPTION HFC HAND AND FOOT CONTROL FOR EYE / FACE WASH ACTIVATION. INSTALL PER MANUFACTURES SPECIFICATIONS AND INSTRUCTIONS. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ. COORDINATE LOCATION WITH ARCHITECT, EQUIPMENT, AND OWNER. NO SUBSTITUTIONS.
EQO	J.R. SMITH	MODEL 4021-U	-	-	LACQUERED CAST IRON, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, BRASS GASKETED PLUG AND ACCESSIBLE NICKLE-BRONZE ROUND VANDAL PROOF SERRATED COVER IN UNFINISHED AREAS AND ROUND WITH DEPRESSED COVER TO ACCEPT FLOOR FINISH WITH CARPET MARKERS IN CARPETED FLOOR AREAS, OR APPROVED EQUAL.
EQO-HD	JOSAM	58680	-	-	JOSAM HEAVY DUTY FLOOR CLEANOUT MODEL NUMBER 58680. ROUND COATED CAST IRON ACCESS FRAME WITH ANCHOR FLANGES AND HEAVY DUTY SCORIATED COVER. FOR USE IN FINISHED OR UNFINISHED FLOORS SUBJECT TO HEAVY WHEEL TRAFFIC, SUCH AS PARKING LOTS, WAREHOUSES, OR INDUSTRIAL AREAS. SIZE PER DRAWING PIPE SIZE, ILLINOIS PLUMBING CODE 2014, AND AHJ. HEAVY DUTY FLOOR CLEANOUT FOR DOCK AND MAINTENANCE GARAGE AREAS, OR APPROVED EQUAL.
FD-1	J.R. SMITH	MODEL 2010-A-6-NB	-	-	LACQUERED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE. 6" INCH DIAMETER HEAVY-DUTY NICKEL BRONZE SECURED SQUARE HOLE STRAINER, SEDIMENT BUCKET, VANDAL RESISTANT FASTENERS AND NOT FLASHED, OR APPROVED EQUAL.
FD-2	J.R. SMITH	MODEL 2010-A-7-CI	-	-	LACQUERED CAST IRON TWO PIECE BODY WITH DOUBLE DRAINAGE. 7" INCH DIAMETER STRAINER - CAST IRON (SQUARE STRAINER WITH SECURED SQUARE HOLES FOR TILE AREAS), SEDIMENT BUCKET, VANDAL RESISTANT FASTENERS AND NOT FLASHED, OR APPROVED EQUAL.
FD-HQ	MIFAB	F1440	-	-	MIFAB FLOOR DRAIN WITH 12" SQUARE ADJUSTABLE TRACTOR GRATE MODEL NUMBER F1440; LACQUERED CAST IRON DEEP SUMP FLOOR DRAIN WITH ANCHOR FLANGE, WEEP HOLES, AND ADJUSTABLE COLLAR WITH STANDARD 1" THICK HINGED SQUARE DUCTILE IRON TRACTOR GRATE. PROVIDE VANDAL PROOF FASTENERS, SEDIMENT BUCKET, AND MI-GUARD FLOOR DRAIN TRAP SEALER. FOR USE IN FLOOR AREAS SUBJECT TO HEAVY WHEELED TRAFFIC FOR DOCK AND MAINTENANCE GARAGE AREAS, OR APPROVED EQUAL.
FPWH-1	WOODFORD	MODEL B67	-	-	FREEZE PROOF WALL HYDRANT FPWH-1: BACKFLOW PROTECTED AUTOMATIC DRAINING FREEZE PROOF WALL HYDRANT WITH LOCKING WALL BOX MODEL B67 MANUFACTURED BY WOODFORD, AUTOMATIC DRAINING, WITH PATENTED DOUBLE CHECK BACKFLOW PREVENTER, ASSE STANDARD 1052 APPROVED. 3/4" INLET & OUTLET, OR APPROVED EQUAL. CONTRACTOR TO DETERMINE LENGTH IN FIELD. COORDINATE IN FIELD. INSURE COMPLIANCE TO ILLINOIS PLUMBING CODE.
FS-1	J.R. SMITH	MODEL 3151-12	-	-	12" x 12" x 8" DEEP CAST IRON BODY, ACID RESISTANT COATED INTERIOR FLOOR SINK, NICKEL BRONZE HALF GRATE AND SEDIMENT BUCKET WITH RUBBER FEET; MODEL 3151-12 MANUFACTURED BY J.R. SMITH CO. OR APPROVED EQUAL.
L-1	AMERICAN STANDARD	LUCERNE 0355.012	MOEN	8210 F12	WHITE VITREOUS CHINA "HANDCAPPED WALL HUNG" LAVATORY 21" X 18" WITH 4" HIGH BACK ON 4" CENTERS, OVERFLOW AND SOAP DEPRESSION, OR APPROVED EQUAL. MOUNT AT HEIGHT AS INDICATED ON ARCHITECTURAL. ENSURE ADA COMPLIANCE. PROVIDE CHROME PLATED VANDAL RESISTANT COMBINATION SUPPLY FITTING WITH OFFSET GRID STRAINER AND TALPIECE, CHROME PLATED 17 GAUGE P-TRAP WITHOUT CLEANOUT (INSTALLED PARALLEL TO WALL), G2 QUARTER TURN STOPS, CHROME PLATED BRASS SUPPLIES, AND CHROME PLATED STEEL WALL ESCUTCHEONS. FAUCET MOEN MODEL 8210 F12 1.2 GPM AERATOR - VANDAL RESISTANT, QUARTER TURN HANDLES - VANDAL RESISTANT, OR APPROVED EQUAL. TMV WATTS LFUSG-B-M2. PROVIDE UNDER SINK PROTECTIVE PIPE COVERING BY TRUBRO FOR P-TRAP, TAIL PEACE, ANGLE VALVES, SUPPLY TUBING, AND TMV. PROVIDE CARRIER.
LT-1	MUSTEE	190FT	MUSTEE	INTEGRAL	MUSTEE 190FT 24" X 24" X 14" OUTSIDE DIMENSIONS, SINGLE BASIN, THERMO PLASTIC, 3-1/2" STAINLESS STEEL CRUMB CUP AND DRAIN, 1-1/2" CHROME PLATED 17 GAUGE BRASS P-TRAP WITHOUT CLEANOUT, LEDGE BACK 3-HOLE DRILLED FOR TRIM. INTEGRAL FAUCET: ANSI A112.18.1 COMPLIANT DOUBLE HANDLE CHROME PLATED BRASS FITTINGS WITH 6" SWING BRASS SUPPLY FITTING WITH RENEWABLE AND INTERCHANGEABLE SPOUT AND WATER AERATOR MANUFACTURED BY MUSTEE, OR APPROVED EQUAL. PROVIDE CHROME PLATED 17 GAUGE BRASS P-TRAP WITHOUT CLEANOUT, G2 QUARTER TURN STOPS, CHROME PLATED BRASS SUPPLIES, CHROME PLATED STEEL WALL ESCUTCHEONS, AND TMV WATTS LFUSG-B-M2.
SK-1	ELKAY	LRAD31226SPD	CHICAGO FAUCET	1100-L9-317XKABCP	ELKAY LUSTERTONE CLASSIC STAINLESS STEEL 33" X 22" X 6-1/2" SINGLE BOWL DROP IN ADA COMPLIANT SINK WITH PERFECT DRAIN MODEL NUMBER LRAD33226SPD. PROVIDE 17 GAUGE BRASS P-TRAP WITHOUT CLEANOUT, 1/2" SUPPLIES, QUARTER TURN G2 STOPS, TMV, AND ESCUTCHEONS. FAUCET: CHICAGO FAUCET ADA COMPLIANT MANUAL SINK FAUCET MODEL 1100-L9-317XKABCP, DECK MOUNTED, 9-1/2" L TYPE SWING SPOUT, 8" FIXED CENTERS, PRESSURE COMPENSATING 2.2 GPM AERATOR, VANDAL PROOF 4" WRISTBLADE HANDLES, CERAMIC 1/4"-TURN HANDLES, OR APPROVED EQUAL. ENSURE ADA COMPLIANCE.
SH-1	-	-	SYMMONS	9605-PLR	SHOWER UNIT TRIM ONLY. PROVIDE ADA COMPLIANT SHOWER TRIM ONLY. SYMMONS ORIGINS 9605-PLR ADA COMPLIANT SHOWER / HAND SHOWER TRIM, OR APPROVED EQUAL. SYMMONS TEMP-TROL PRESSURE BALANCING SHOWER VALVE, SYMMONS DUAL OUTLET DIVERTER VALVE, AND SYMMONS STOP SCREW TO LIMIT HANDEL TURN ARE ALL INCLUDED WITH THE 9605-PLR KIT. METAL LEVER HANDLES, ADA 36" GRAB BARS FOR HAND SHOWER, DUAL CHECKS FOR BACKFLOW PROTECTION, 60" FLEXIBLE METAL HOSE, ONE ADA MODE HAND SHOWER WAND WITH NON-POSITIVE SHUTOFF, ONE MODE SHOWER HEAD WITH EASY TO CLEAN NOZZLES, 2.0 GPM FLOW RESTRICTION, PROVIDE OPTIONAL IN-LINE VACUUM BREAKER = P/N EF-109. PROVIDE AN ASSE 1070 TEMPERATURE LIMITING DEVICE TMV AHEAD OF EACH SHOWER VALVE IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS HATCH FOR ASSE 1070 TMV FOR ACCESS AND COORDINATE WITH ARCHITECTURAL. ENSURE ENTIRE INSTALLATION IS ADA COMPLIANT AND COMPLIANT TO ILLINOIS PLUMBING CODE AND AHJ.
SH-1 DRAIN	JUST MANUFACTURING	J-35-FS	-	-	JUST MANUFACTURING CO. CHROME PLATED BRASS DRAIN WITH FLAT STRAINER MODEL NO. J-35-FS, OR APPROVED EQUAL.
SSR-1	MUSTEE	63M	CHICAGO FAUCET	897-RCF	DURASTONE STRUCTURAL FIBER GLASS 24" x 24" x 10" SINK WITH STAINLESS STEEL BUMPER GUARD CAPS, 3" P-TRAP WITH ADJUSTABLE FLOOR FLANGE. FAUCET: CHICAGO FAUCET MODEL 897-RCF; LEVER HANDLES, INTERNAL STOP VALVES, VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL SUPPORT, 3/4" THREADED HOSE CONNECTION, FEMALE UNION NUT SUPPLY ARMS. PROVIDE MUSTEE HOSE HANGER AND HOSE. PROVIDE MUSTEE MOP HANGER. PROVIDE TWO SIDED 12" HIGH 20 GAUGE 304 STAINLESS STEEL DURAGUARD WALL GUARDS AND BRACKET FOR 24" X 24" CORNER - PART NUMBER 67.2424 - AS PER MUSTEE, OR APPROVED EQUAL.
SSR-2	MUSTEE	65M	CHICAGO FAUCET	897-RCF	DURASTONE STRUCTURAL FIBER GLASS 24" x 36" x 10" SINK WITH STAINLESS STEEL BUMPER GUARD CAPS, 3" P-TRAP WITH ADJUSTABLE FLOOR FLANGE. FAUCET: CHICAGO FAUCET MODEL 897-RCF; LEVER HANDLES, INTERNAL STOP VALVES, VACUUM BREAKER SPOUT WITH PAIL HOOK AND WALL SUPPORT, 3/4" THREADED HOSE CONNECTION, FEMALE UNION NUT SUPPLY ARMS. PROVIDE MUSTEE HOSE HANGER AND HOSE. PROVIDE MUSTEE MOP HANGER. PROVIDE TWO SIDED 12" HIGH 20 GAUGE 304 STAINLESS STEEL DURAGUARD WALL GUARDS AND BRACKET FOR 24" X 36" CORNER - PART NUMBER 97.2436 - AS PER MUSTEE, OR APPROVED EQUAL.
TD-HD-1	ZURN	Z882 12 X 96	-	-	ZURN HEAVY DUTY Z882 12 X 96 TRENCH DRAIN WITH Z-DGE-USA LOAD CLASS E HEAVY DUTY DUCTILE IRON GRATE - MADE IN USA, OR APPROVED EQUAL. INSTALL PER MANUFACTURES SPECIFICATIONS AND INSTRUCTIONS. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ.
TD-HD-1-CB	ZURN	Z887-12-HD 12 X 24	-	-	ZURN HEAVY DUTY Z887-12-HD 12 X 24 TRENCH DRAIN CATCH BASIN WITH Z-DGE-USA LOAD CLASS E HEAVY DUTY DUCTILE IRON GRATE - MADE IN USA, OR APPROVED EQUAL. FOR USE IN MAINTENANCE AREAS, WASH BAY, AND AREAS INDICATED - SEE PLANS. INSTALL PER MANUFACTURES SPECIFICATIONS AND INSTRUCTIONS. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ.
WB-1	GUY GRAY	82172	-	-	GUY GRAY STAINLESS STEEL WASHING MACHINE OUTLET BOX WITH 1/2" QUARTER TURN SWEAT VALVES - TOP MOUNTED - AND 2" OUTLET DRAIN WITH 2" RUBBER WASHER AND LOCK NUT MODEL # 82172, OR APPROVED EQUAL. COORDINATE LOCATION WITH ARCHITECTURAL, EQUIPMENT, AND WITH OWNER. PROVIDE WATTS LEAD FREE WATER HAMMER ARRESTORS IN AN ACCESSIBLE LOCATION. SEE SPECIFICATIONS. ENSURE COMPLIANCE WITH ILLINOIS PLUMBING CODE AND AHJ.
WC-1	AMERICAN STANDARD	CHAMPION PRO 1.28 GPF 211AA.104 (LEFT HAND) - 211AA.105 (RIGHT HAND)	-	-	FLOOR MOUNTED, ELONGATED BOWL, FLUSH TANK TYPE, ADA HEIGHT, WHITE VITREOUS CHINA WITH EVERCLEAN SURFACE, 1.28 GPF AND 2-3/8" TRAPWAY, OR APPROVED EQUAL. NOTE: TRIP LEVER IS TO BE ON ACCESS SIDE FOR ADA COMPLIANCE - USE CORRECT MODEL TANK FOR RIGHT OR LEFT HAND ACCESS - SEE FLOOR PLAN. ENSURE INSTALLATION IS PER MANUFACTURER SPECIFICATIONS AND INSTALLATIONS INSTRUCTIONS, ILLINOIS PLUMBING CODE, AND AHJ. PROVIDE ELONGATED OPEN FRONT WHITE ANTI-MICROBIAL SEAT WITHOUT COVER. REFER TO FLOOR PLANS FOR LOCATIONS AND COORDINATE WITH OWNER.
WCO	J.R. SMITH	MODEL 4532-U	-	-	LINE TYPE WITH LACQUERED CAST IRON BODY AND ROUND BRASS GASKETED PLUG AND ROUND STAINLESS STEEL ACCESS COVER SECURED WITH VANDAL PROOF FASTENERS, OR APPROVED EQUAL.
YCO-HD	JOSAM	MODEL 58680	-	-	JOSAM HEAVY DUTY YARD CLEANOUT MODEL 58680, OR APPROVED EQUAL. ROUND COATED CAST IRON ACCESS FRAME WITH ANCHOR FLANGES AND HEAVY DUTY SCORIATED COVER. FOR USE IN FINISHED OR UNFINISHED FLOORS SUBJECT TO HEAVY WHEEL TRAFFIC, SUCH AS PARKING LOTS, WAREHOUSES, OR INDUSTRIAL AREAS. SIZE PER DRAWING PIPE SIZE, ILLINOIS PLUMBING CODE 2014, AND AHJ.
YCO-HQ	J.R. SMITH	MODEL 4253 S-U	-	-	ROUND FLANGED HOUSING WITH HEAVY DUTY CAST IRON COVER FOR USE IN OUTSIDE AREAS. HIGH FLANGE FOR USE IN CONCRETE AREAS OR ASPHALT PAVING. SPIGOT TYPE OUTLET. HOUSING IS COMPLETELY FREE OF PIPING SO THAT NO LOAD IS TRANSMITTED TO THE PIPE. SECURE WITH VANDAL PROOF FASTENERS. OR APPROVED EQUAL.
TMV	WATTS	LFUSG-B-M2	-	-	ASSE 1070 APPROVED PIPE MOUNTED THERMOSTATIC MIXING VALVE FOR UNDER LAVATORY SINK L-1, SINK SK-1 INSTALLATION. NO SUBSTITUTIONS. NOTE: THIS TMV IS NOT FOR MB-1 AS THE WALL MOUNTED MOP SINK USES A LEONARD LEAD FREE MODEL 270-LF IN A STEEL LOCKING CABINET. TMV FOR SH-1 SHOWER AND FOR WASH OUT SHOWER IS TO BE A LEONARD MODEL 270-LF IN AN ACCESSIBLE LOCATION, PROVIDE ACCESS HATCH AS REQUIRED AND COORDINATE WITH ARCHITECTURAL, STRUCTURAL, EQUIPMENT, AND OWNER.
BACKWATER VALVE	J.R. SMITH	-	-	-	6" BACKWATER VALVE WITH BOLTED COVER MANUFACTURED BY J.R. SMITH, OR APPROVED EQUAL. INSTALL PER MANUFACTURES INSTALLATION INSTRUCTIONS AND SPECIFICATIONS. INSTALL WITH HEAVY DUTY TRAFFIC RATED COVER - PROVIDE TRAFFIC RATED SLEEVE FOR TRAFFIC RATED COVER AS REQUIRED. THIS VALVE WILL BE INSTALLED IN A HEAVY TRAFFIC AREA AND SHALL BE RATED FOR HEAVY TRAFFIC. ENSURE COMPLIANCE TO ILLINOIS PLUMBING CODE AND AHJ.
NOTES: -					

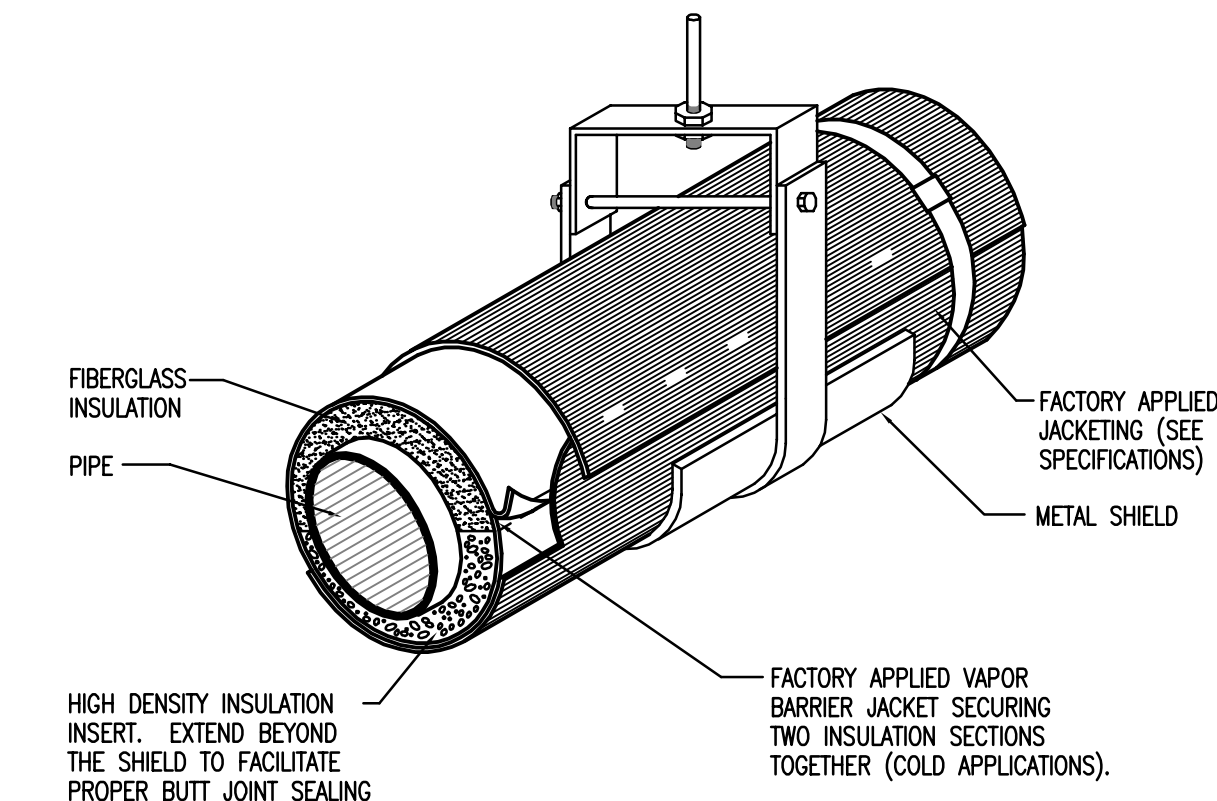
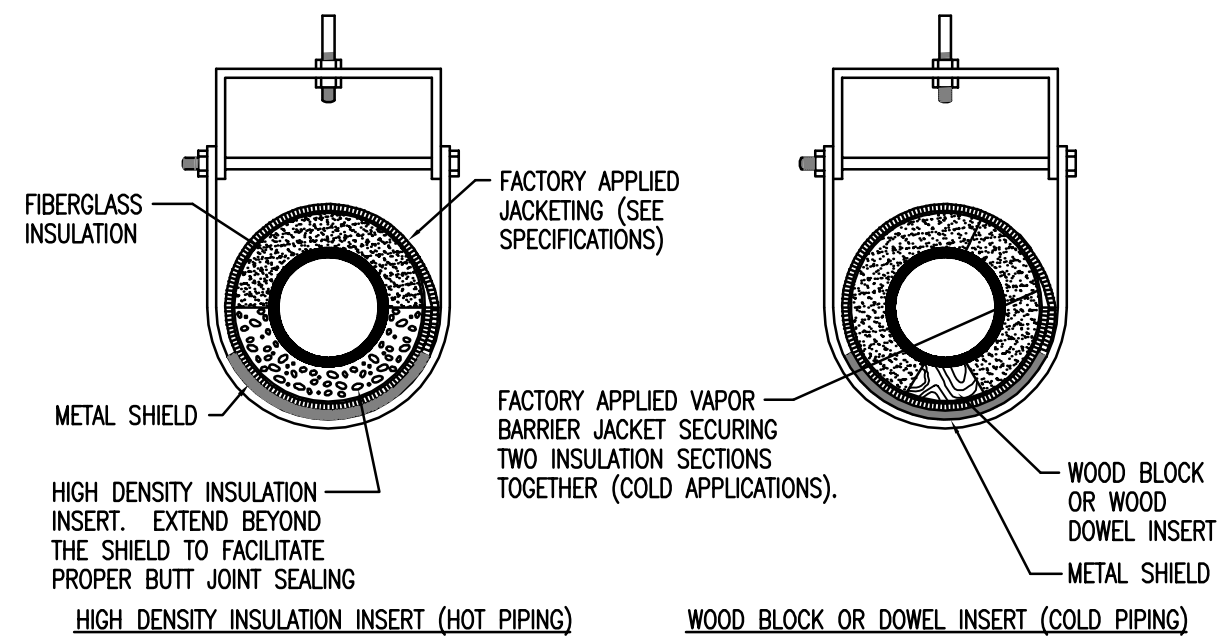


NOTE:
IDENTIFICATION MARKERS OR STRIPS TO BE PLACED ON ALL EXPOSED COVERED AND UNCOVERED PIPES AT 50'-0" INTERVALS AND AT ALL VALVES AND BRANCHES AND ON BOTH SIDES OF WALLS WHERE PIPES PASS THROUGH SAME. ARROWS OF SAME COLOR AS IDENTIFICATION MARKERS SHALL ALSO BE PLACED ON PIPES POINTING AWAY FROM MARKER INDICATING DIRECTION OF FLOW.

SIZE OF LEGEND LETTERS		
OUTSIDE DIAMETER OF PIPE OR COVERING	LENGTH OF COLOR FIELD A	SIZE OF LETTERS B
3/4" TO 1-1/4"	8"	1/2"
1-1/2" TO 2"	8"	3/4"
2"-1/2" TO 6"	12"	1-1/4"
8" TO 10"	24"	2-1/2"
OVER 10"	32"	3-1/2"

SERVICE	BACKGROUND OR COLOR BAND	IDENTIFICATION MARKER
CITY WATER	GREEN	WHITE ON GREEN
DOMESTIC COLD WATER	GREEN	WHITE ON GREEN
DOMESTIC HOT WATER	YELLOW	BLACK ON YELLOW
FIRE PROTECTION (SPRINKLER)	RED	WHITE ON RED
NATURAL GAS	YELLOW	BLACK ON YELLOW
SANITARY DRAIN	GREEN	WHITE ON GREEN
STORM WATER	GREEN	WHITE ON GREEN

 TYPICAL PIPE IDENTIFICATION MARKERS
NO SCALE

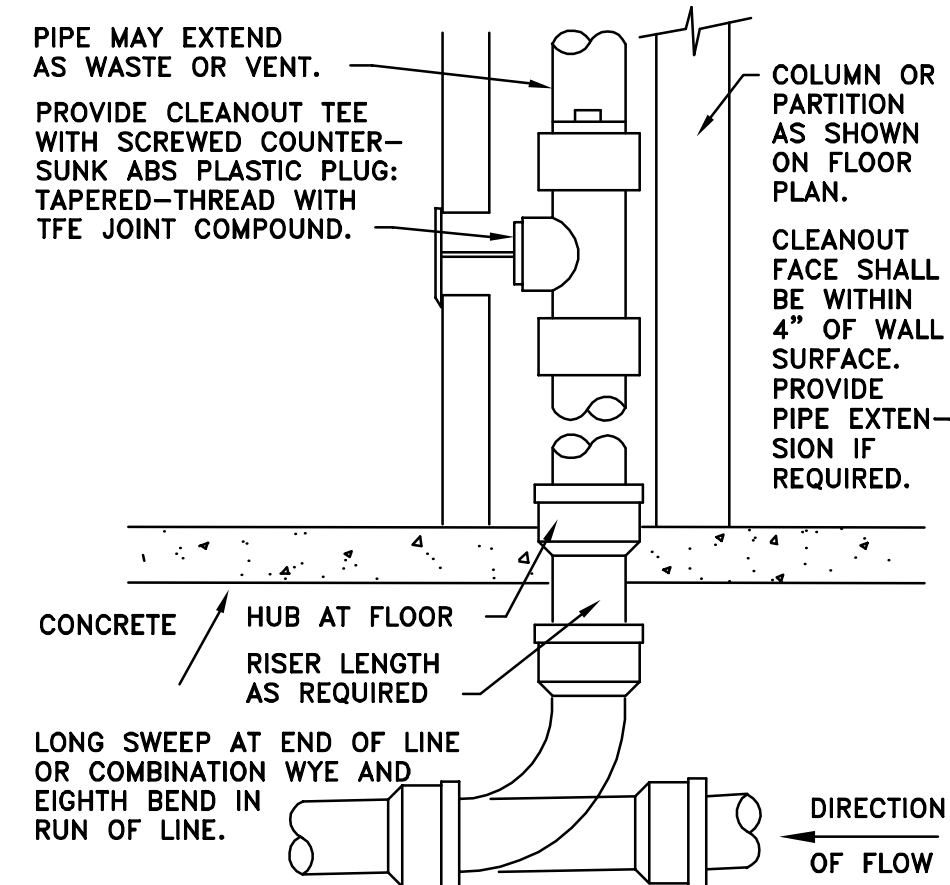


4
P4.01

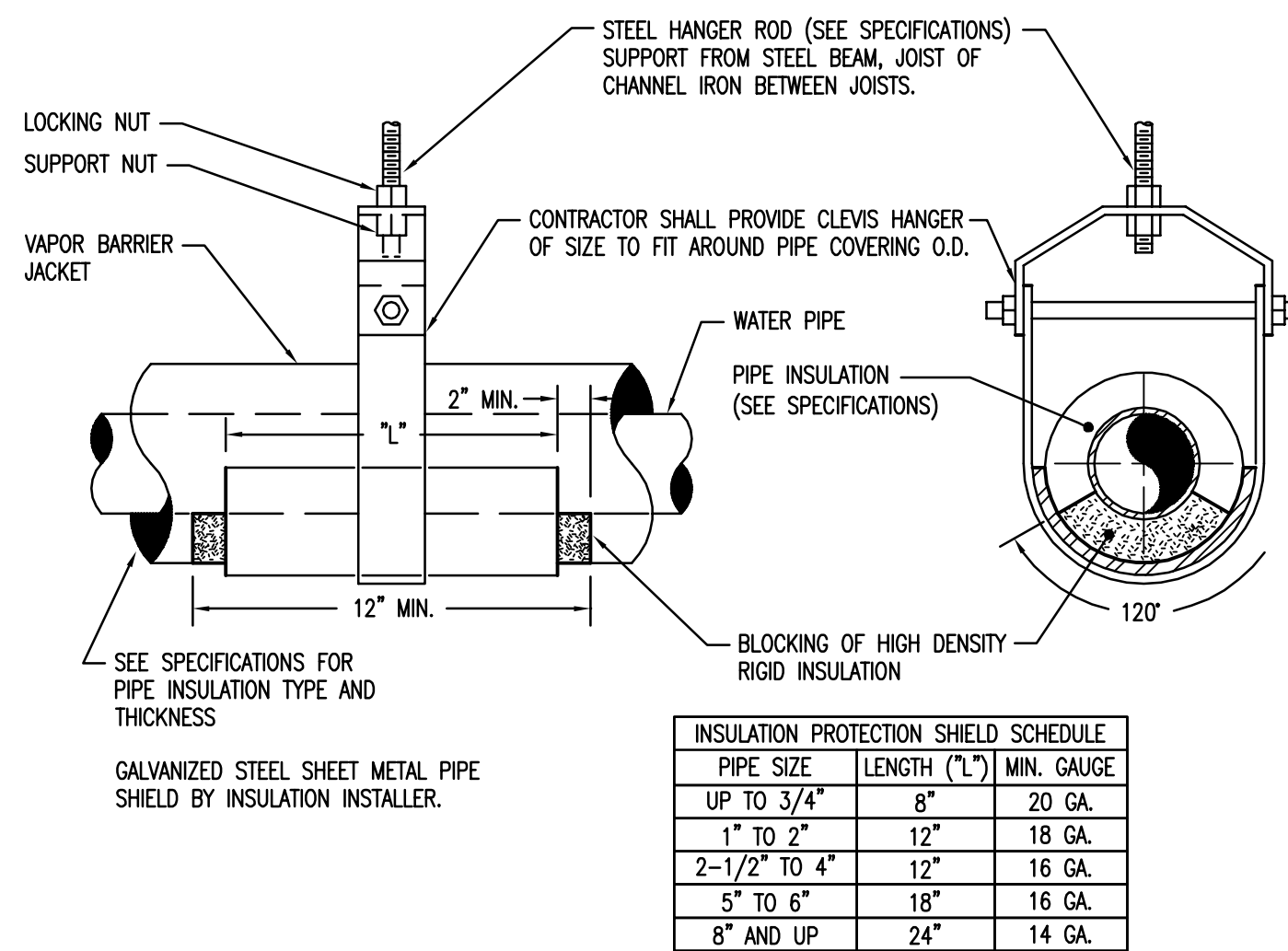
**CLEVIS HANGER HIGH
DENSITY INSERT DETAIL**

NO SCALE

NOTE:
NO HORIZONTAL PIPE HANGERS
TO BE SPACED FURTHER THAN
10'-0" APART.



WALL CLEAN OUT DETAIL
NO SCALE



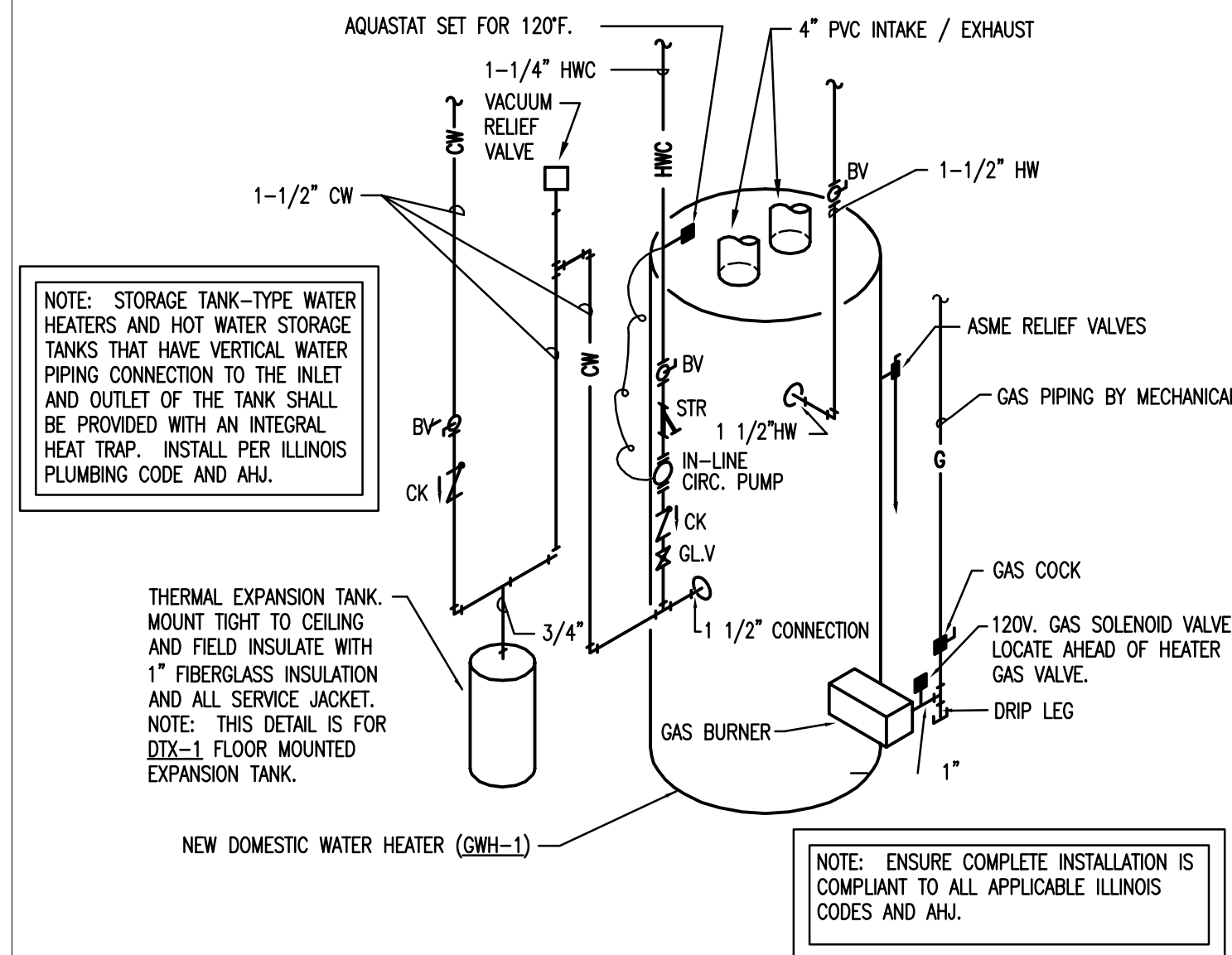
5

P4.01

PIPE COVERING PROTECTION SHIELDS AND CLEVIS HANGER DETAIL

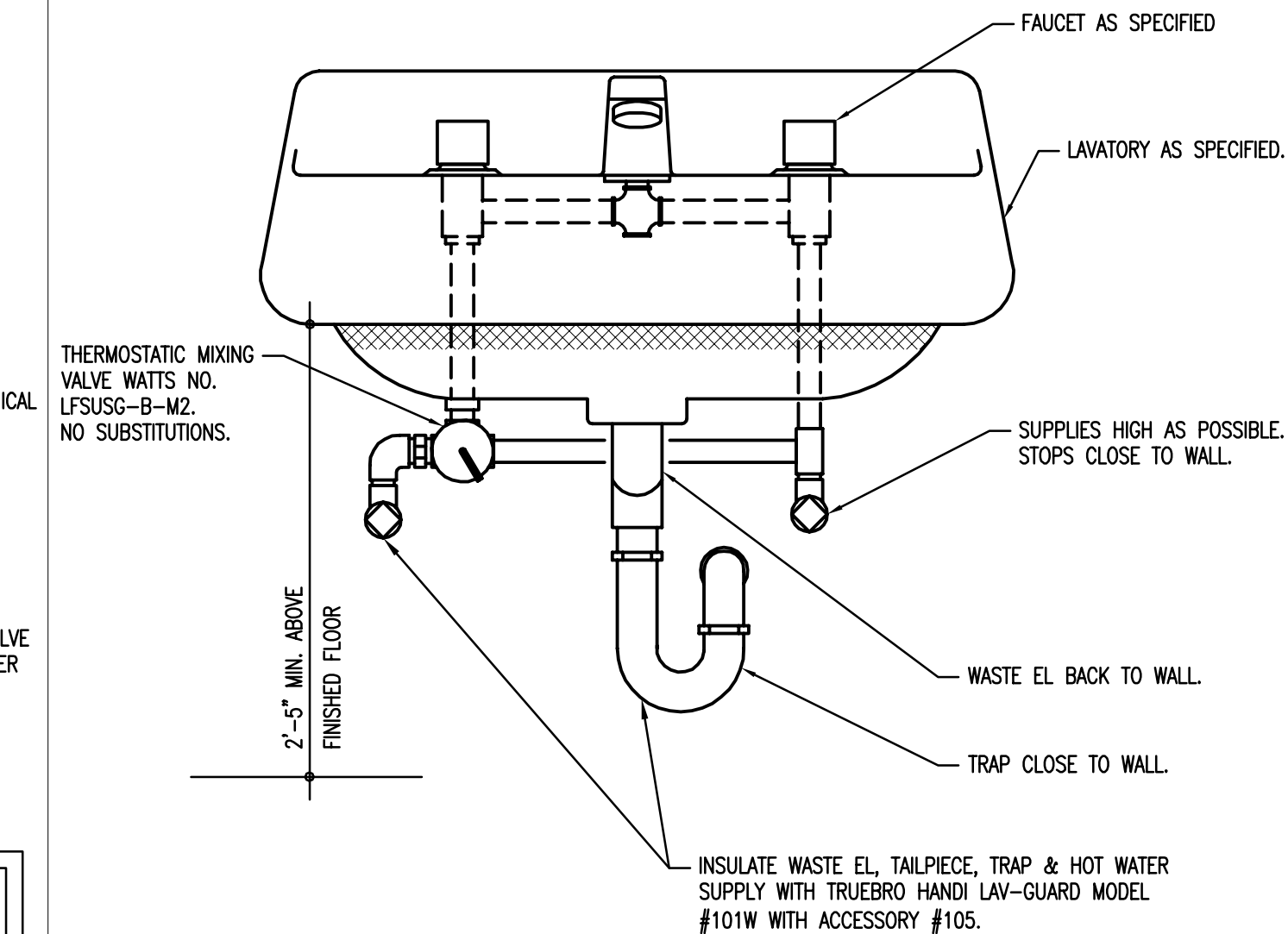
NO SCALE

INSULATION PROTECTION SHIELD SCHEDULE		
PIPE SIZE	LENGTH ("L")	MIN. GAUGE
UP TO 3/4"	8"	20 GA.
1" TO 2"	12"	18 GA.
2-1/2" TO 4"	12"	16 GA.
5" TO 6"	18"	16 GA.
8" AND UP	24"	14 GA.



8
P4.01

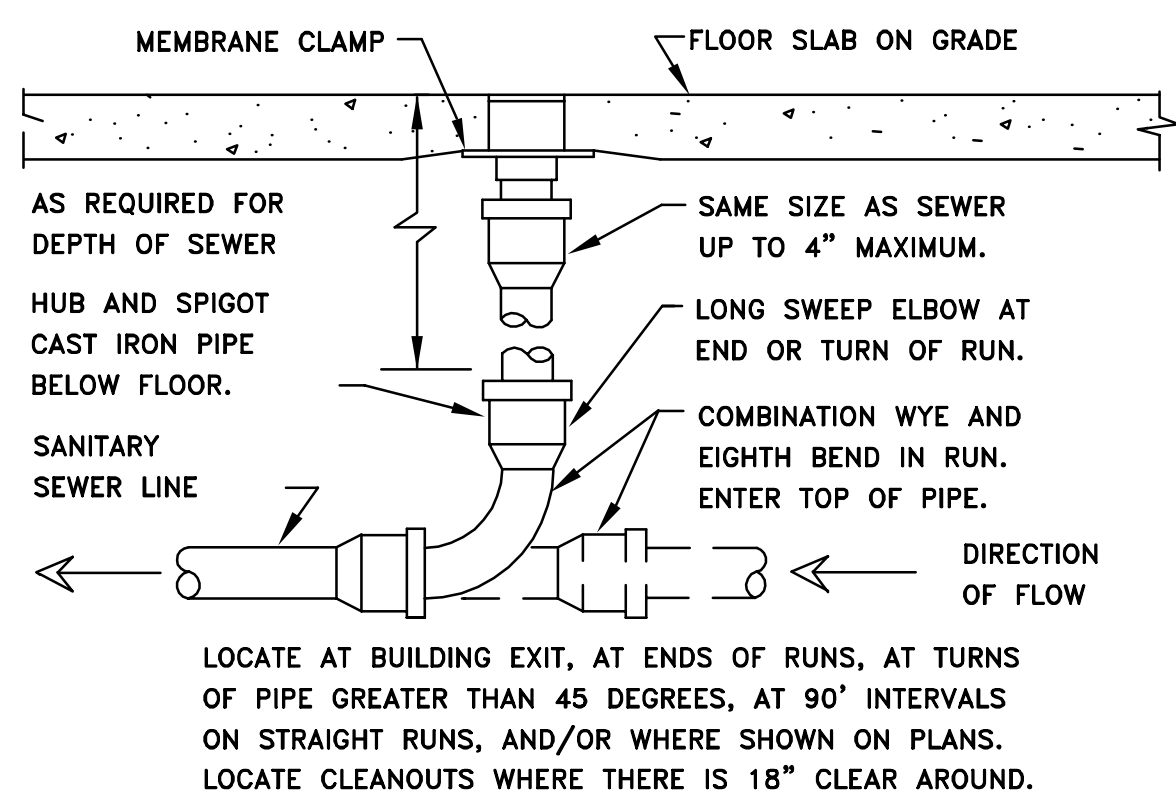
**DOMESTIC GAS HOT WATER
HEATER PIPING DIAGRAM**



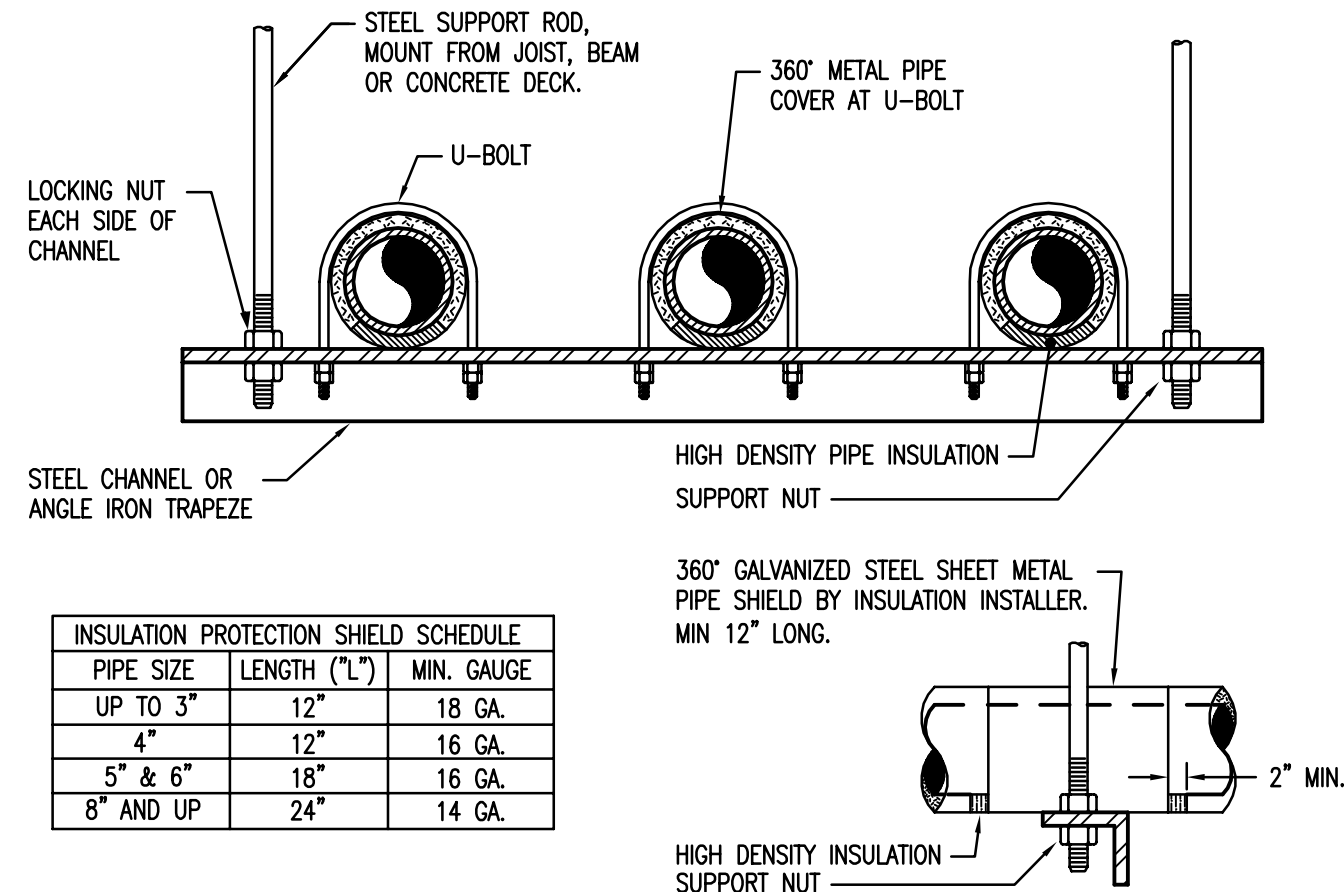
11
P4.01

LAVATORY AND HAND SINK DETAIL

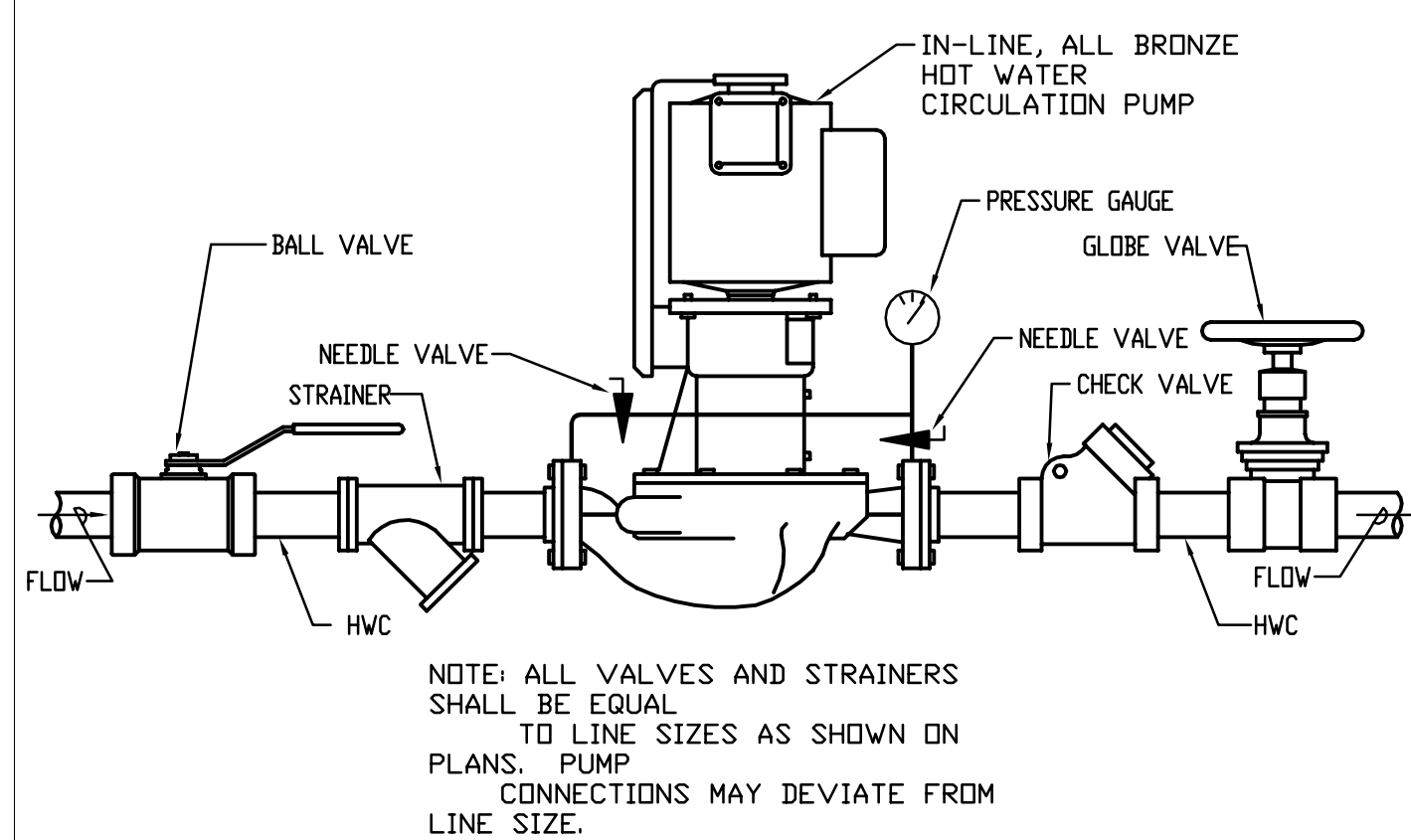
NO SCALE



FLOOR CLEAN OUT DETAIL
NO SCALE



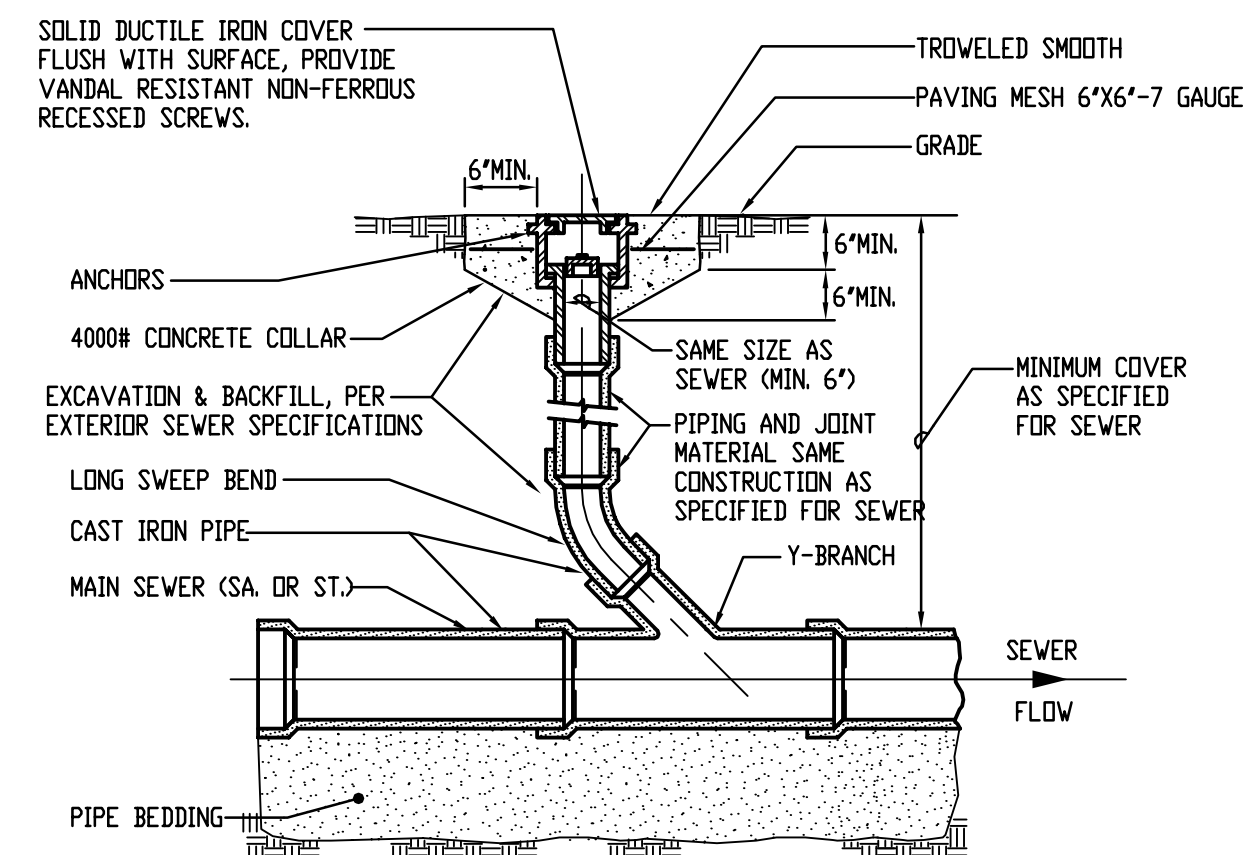
6 PIPE COVERING PROTECTION SHIELDS P4.01 AND TRAPEZE HANGER DETAIL



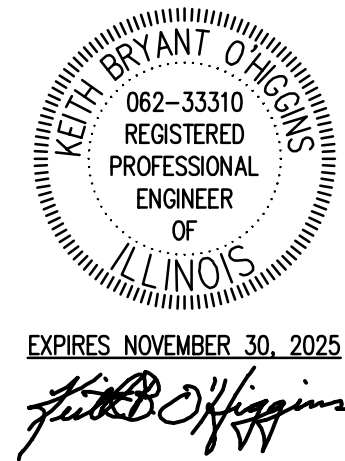
9
P4.01

DOMESTIC HOT WATER
CIRCULATING PUMP DETAIL

NO SCALE



12
P4.01 **YARD CLEAN OUT (YCO)**
NO SCALE



BA
BLAKEMORE
ARCHITECTS

400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for

Winnebago County Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

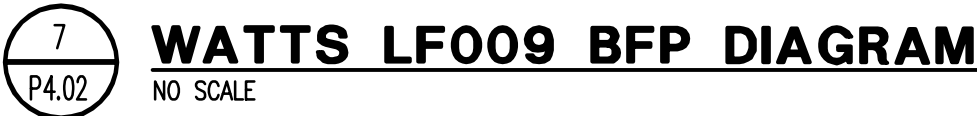
Sheet Title

DETAILS - PLUMBING

Ref. North	Sheet No.
------------	-----------

P4.01

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342



1. I.D. OF PIPE SLEEVE TO BE A MIN. OF 1/2" LARGER THAN O.D. OF PIPE OR INSULATION PASSING THROUGH WALL.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR SLEEVES WITH OTHER TRADES AND/OR CONTRACTORS.
3. PIPE SLEEVES THRU SMOKE OR FIRE WALLS SHALL BE IN COMPLIANCE WITH NFPA-90A.



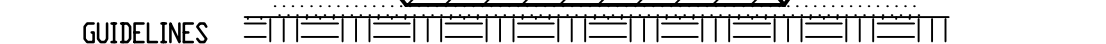
1. CONTRACTOR SHALL ISOLATE ALL PIPES FROM CONSTRUCTION WHICH VIBRATE IN ORDER TO AVOID TRANSMISSION TO STRUCTURE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR SLEEVES WITH OTHER TRADES AND/OR CONTRACTORS.
3. PIPE SLEEVES THRU SMOKE OR FIRE WALLS SHALL BE IN COMPLIANCE WITH NFPA-90A.
4. CONTRACTOR MAY ELIMINATE ESCUTCHEON PLATE ON CONCEALED PIPE SLEEVE.



1. CONTRACTOR SHALL ISOLATE ALL PIPES FROM CONSTRUCTION WHICH VIBRATE IN ORDER TO AVOID TRANSMISSION TO STRUCTURE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THEIR SLEEVES WITH OTHER TRADES AND/OR CONTRACTORS.
3. PIPE SLEEVES THRU SMOKE OR FIRE WALLS SHALL BE IN COMPLIANCE WITH NFPA-90A.



1. CONTRACTOR SHALL ISOLATE ALL PIPES FROM CONSTRUCTION WHICH VIBRATE IN ORDER TO AVOID ALL TRANSMISSION TO STRUCTURE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF THEIR SLEEVES WITH OTHER TRADES AND/OR CONTRACTORS.



1. OMIT SELECT GRANULAR CRADLE AND GRANULAR BACKFILL, TO ONE (1) FOOT OVER TOP OF PIPE, AND USE SELECT EXCAVATED MATERIAL (CLASS IV) AND COMPACT FOR 10 FEET ON EITHER SIDE OF WATER MAIN.
2. a. CONSTRUCT 10 FEET OF PROPOSED SEWER OF WATER MAIN MATERIAL AND TEST, DBI.
b. USE 10 FEET OF CASING FOR PROPOSED SEWER AND SEAL ENDS OF CASING.
3. POINT LOADS SHALL NOT BE ALLOWED BETWEEN SEWER OR SEWER CASING AND WATER MAIN.
4. PROVIDE ADEQUATE SUPPORT FOR EXISTING WATER MAIN TO PREVENT DAMAGE DUE TO SETTLEMENT OF SEWER TRENCH.



400 N. First Street Rockford, IL 61107
Telephone: 815-227-0023
Email: Brian@m-b-arch.com
Web: blakemore-architects.com



New Building

for
Winnebago County
Forest Preserve

Meridian Rd.,
Winnebago County, Illinois

THE CONTRACTOR SHALL DETERMINE EXACT DIMENSIONS AND CONDITIONS AT THE SITE PRIOR TO SUBMITTING A BID. THE CONTRACTOR SHALL COORDINATE ALL DRAWINGS WITH ACTUAL FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. THIS DRAWING IS THE PROPERTY OF BLAKEMORE ARCHITECTS AND MAY NOT BE REPRODUCED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE ARCHITECT.

NO.	DATE	DESCRIPTION
1)	05-08-2025	Initial Layout
2)	08-07-2025	Schematic Design
3)	08-27-2025	Design Development
4)	10-17-2025	Final Owner Review Set
5)	10-27-2025	Issued for Bids / Permit

© COPYRIGHT Blakemore Architects 2025

BA Project No. 2025-09

Scale

NO SCALE

Sheet Title

DETAILS - PLUMBING

Ref. North

Sheet No.

P4.02

PROFESSIONAL DESIGN FIRM REGISTRATION #
184-003342