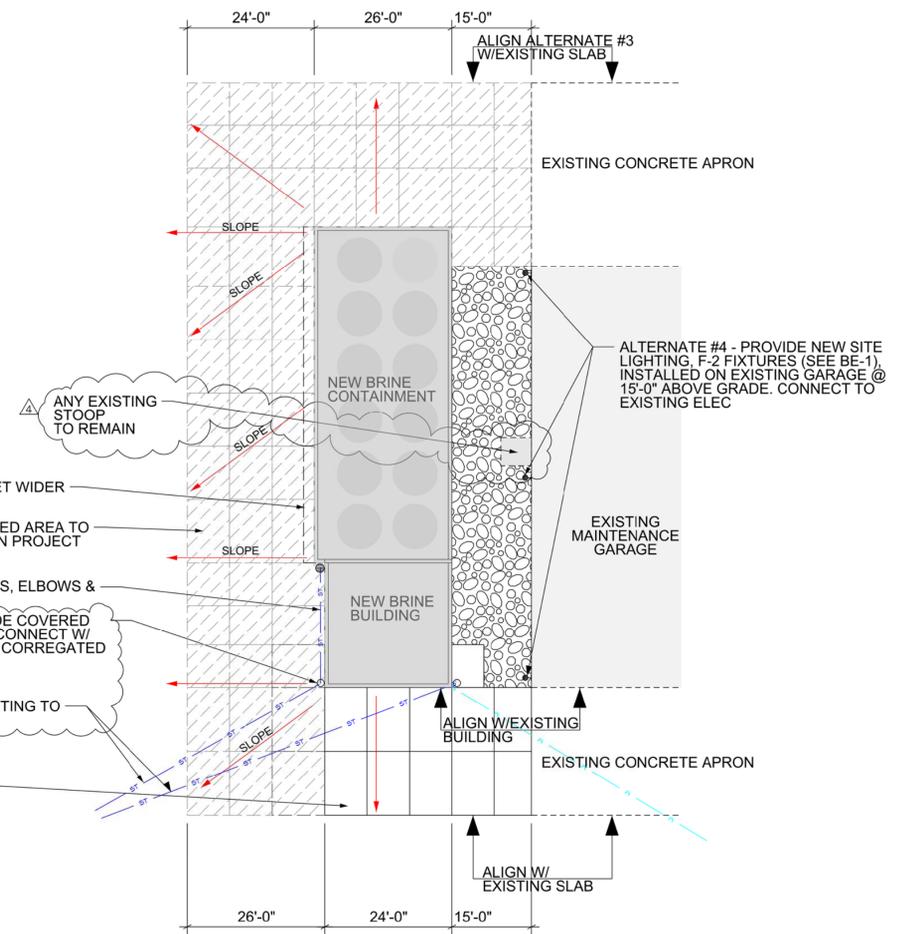


GENERAL NOTES:

1. CONTRACTOR TO CONTACT UTILITIES BEFORE STARTING EXCAVATION: IOWA ONE CALL 811
2. CONTRACTOR TO PROVIDE DOCUMENTATION OF MINIMUM 5 YEARS EXPERIENCE INCLUDING WORK ON SIMILAR PROJECTS. DOCUMENTATION OF EXPERIENCE REQUIRED PRIOR TO BID AWARD.
3. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS. IF THERE ARE DISCREPANCIES, CONTACT IOWA DOT - OFFICE OF SUPPORT SERVICES PRIOR TO BID
4. MAINTAIN AND PROTECT EXISTING BUILDINGS. REPAIR OR REPLACE DAMAGES AT GENERAL CONTRACTORS COST
5. PROVIDE 8" PVC VERTICAL CONNECTIONS 8" ABOVE SLAB TO DOWNSPOUTS W/ELBOWS TO CONNECT TO 10" SDR-26 STORM SEWER PIPING
6. PROVIDE UNIVERSAL DOWNSPOUT CONNECTORS/COVERS TO CONNECT DOWNSPOUT TO PVC STORM WATER PIPING AT DOWNSPOUT LOCATIONS
7. PROVIDE METAL APRON END SECTION WITH ANIMAL GUARDS AT THE STORM WATER DAYLIGHTING TO DITCH.
8. PROVIDE POSITIVE DRAINAGE TO DITCH OF ABOUT 1%
9. PROVIDE CONTROL JOINTS IN SLAB AT 12' MAX SPACING. ALIGN WITH CORNERS. ALL JOINTS SHALL BE SEALED
10. ALL SITE WATER SERVICE PIPING MUST BE INSTALLED MINIMUM OF 60" BELOW GRADE TO TOP OF PIP

ALTERNATES:

- #1 BRINE CONTAINMENT 2 FEET WIDER TO THE WEST
- #2 ADDITIONAL PASSAGE DOOR ON THE WEST SIDE OF BRINE BUILDING INCLUDING CONCRETE STOOP AND EXIT LIGHT
- #3 ADDITIONAL CONCRETE SLAB AND APPROACH (SHOWN IN GREY HATCH)
- #4 ADDITIONAL LIGHTS ON EXISTING MAINTENANCE GARAGE



LEGEND

- WATER PIPING
- NEW STORM SEWER PIPING
- POINT OF CONNECTION, NEW WORK TO EXISTING
- ELECTRIC
- GAS PIPING
- EXISTING TO REMAIN
- ALTERNATE
- NEW

SITE PLAN
SCALE: 1/32" = 1'-0"



DEMOLITION
SCALE: 1/32" = 1'-0"

SITE DETAIL
SCALE: 1/32" = 1'-0"

SHEET SIZE: 24" X 36"

DISTRICT: 06

COUNTY: JOHNSON

CORALVILLE, IA

CORALVILLE BRINE BUILDING

IOWA DOT
SMARTER. SIMPLER. CUSTOMER DRIVEN
OFFICE OF SUPPORT SERVICES
800 LINCOLN WAY
AMES, IOWA 50010 (515)235-1299

DATE:

MAR 17, 2016

DRAWN BY:

DESIGN TEAM

APPROVED:

J BURNES

REVISIONS:

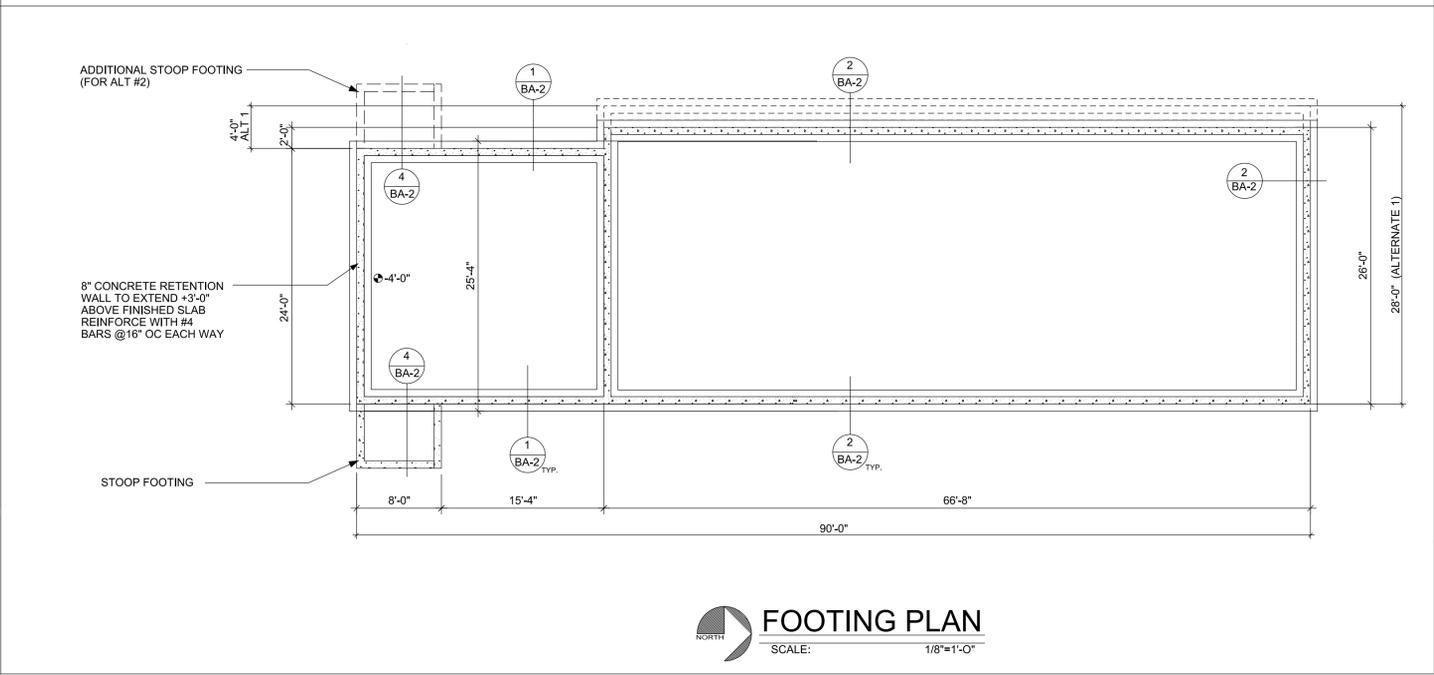
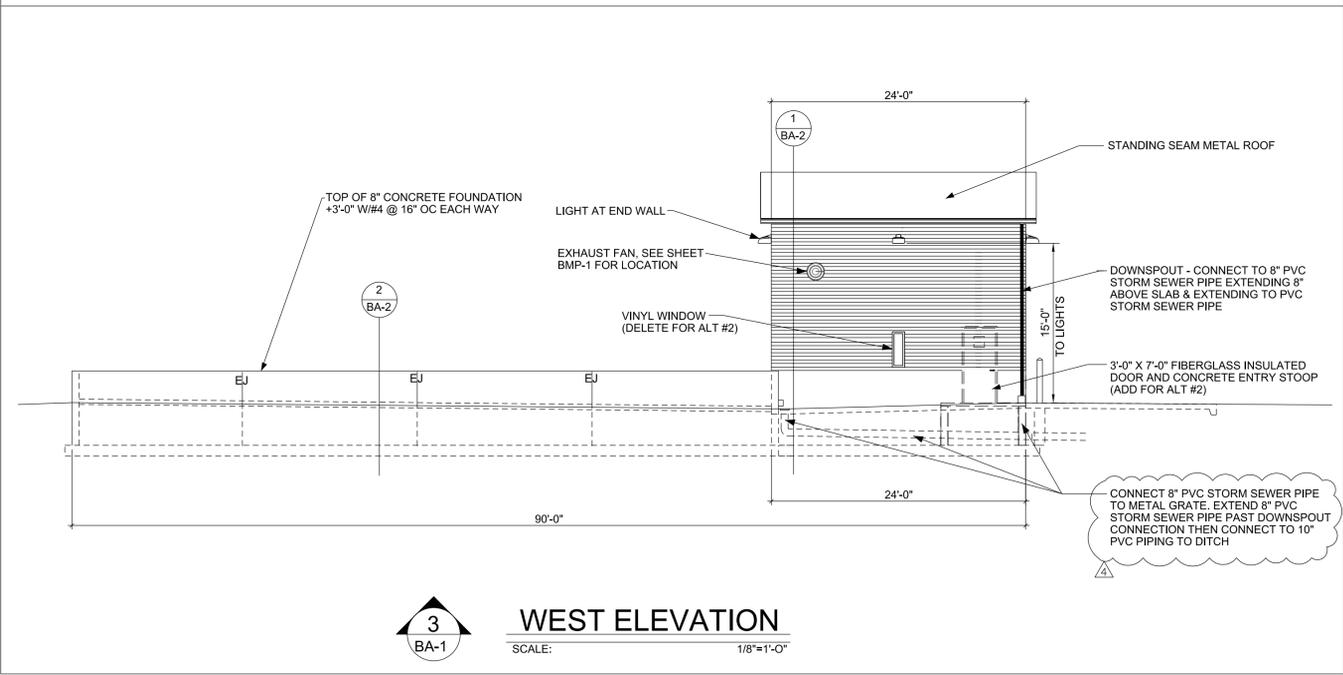
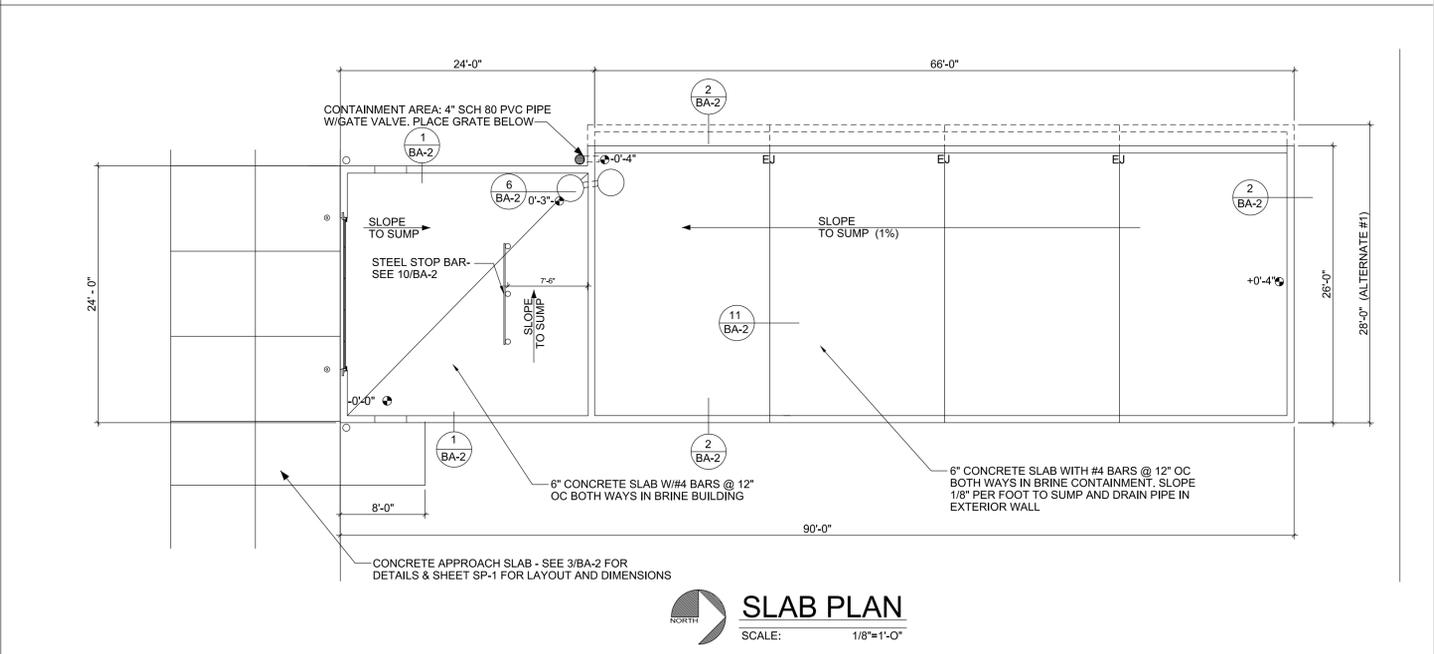
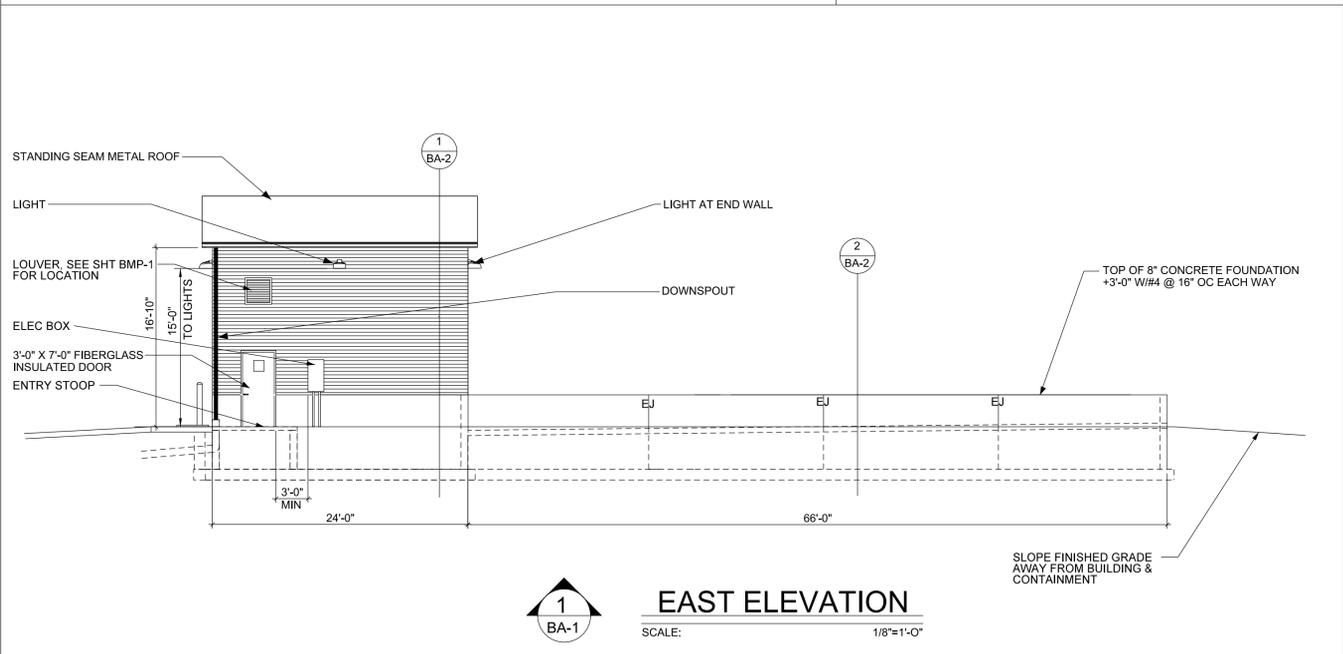
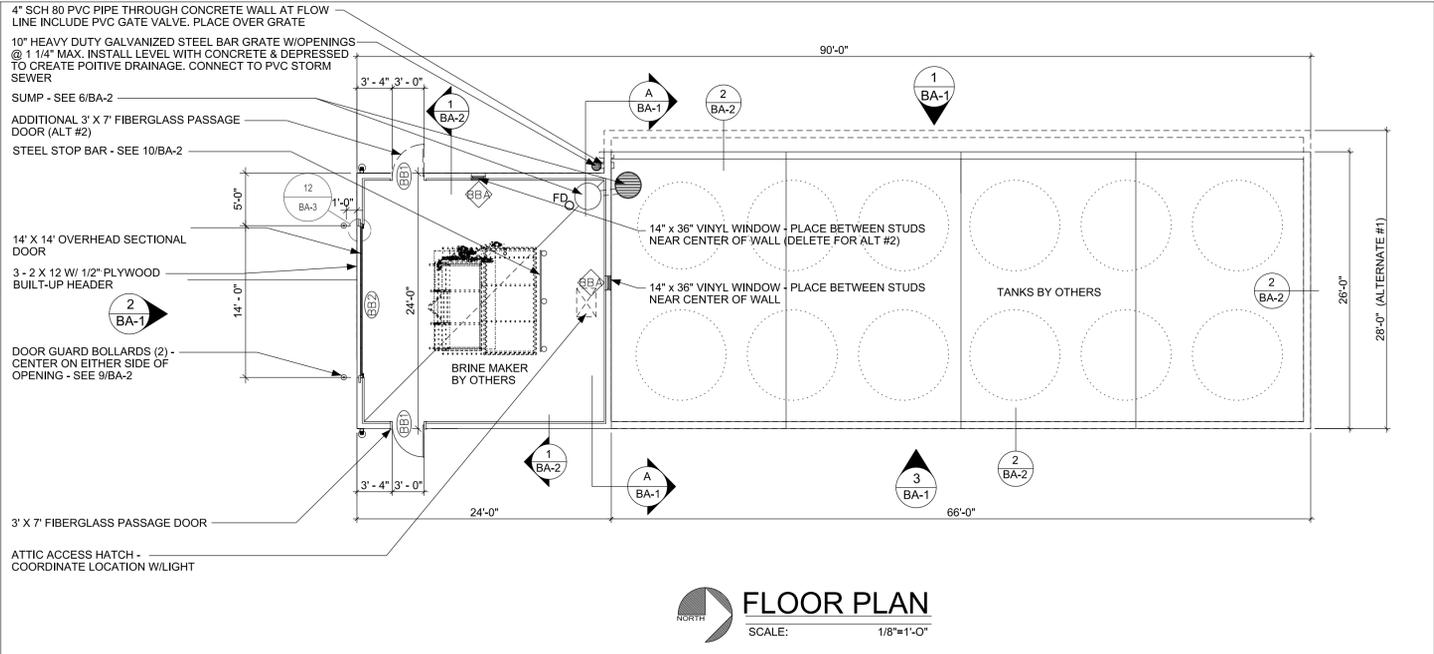
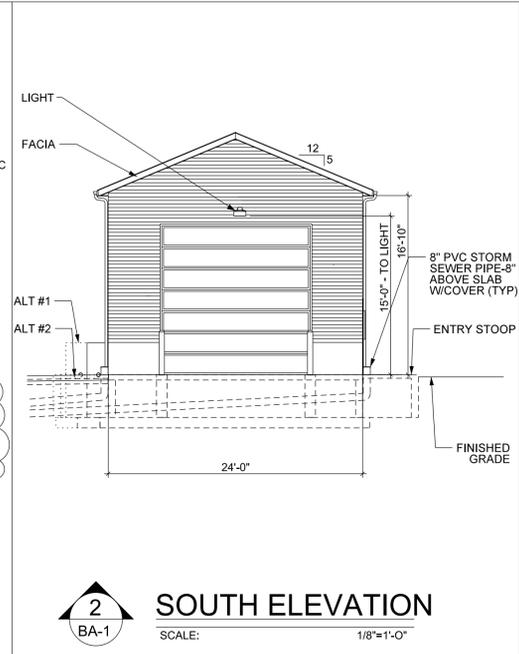
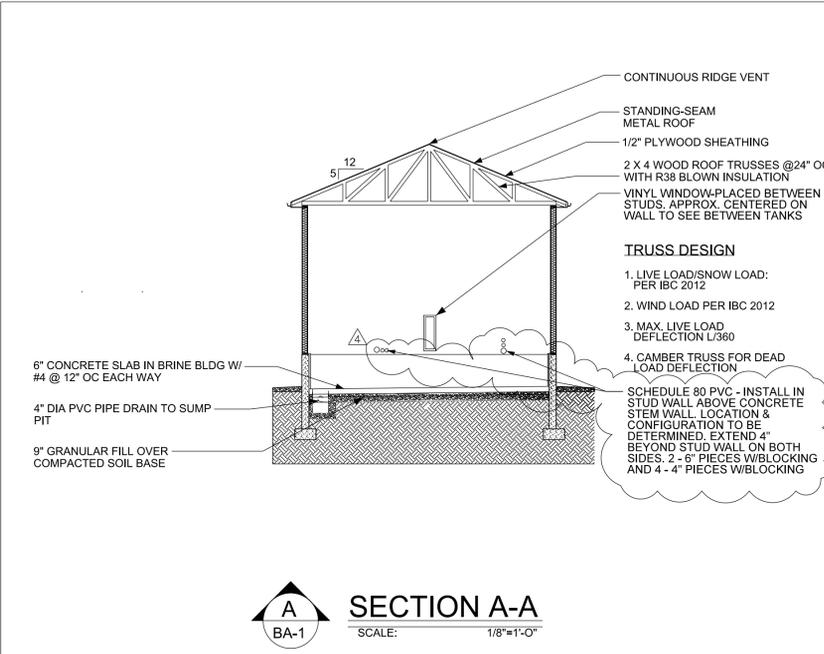
29 APR 2016

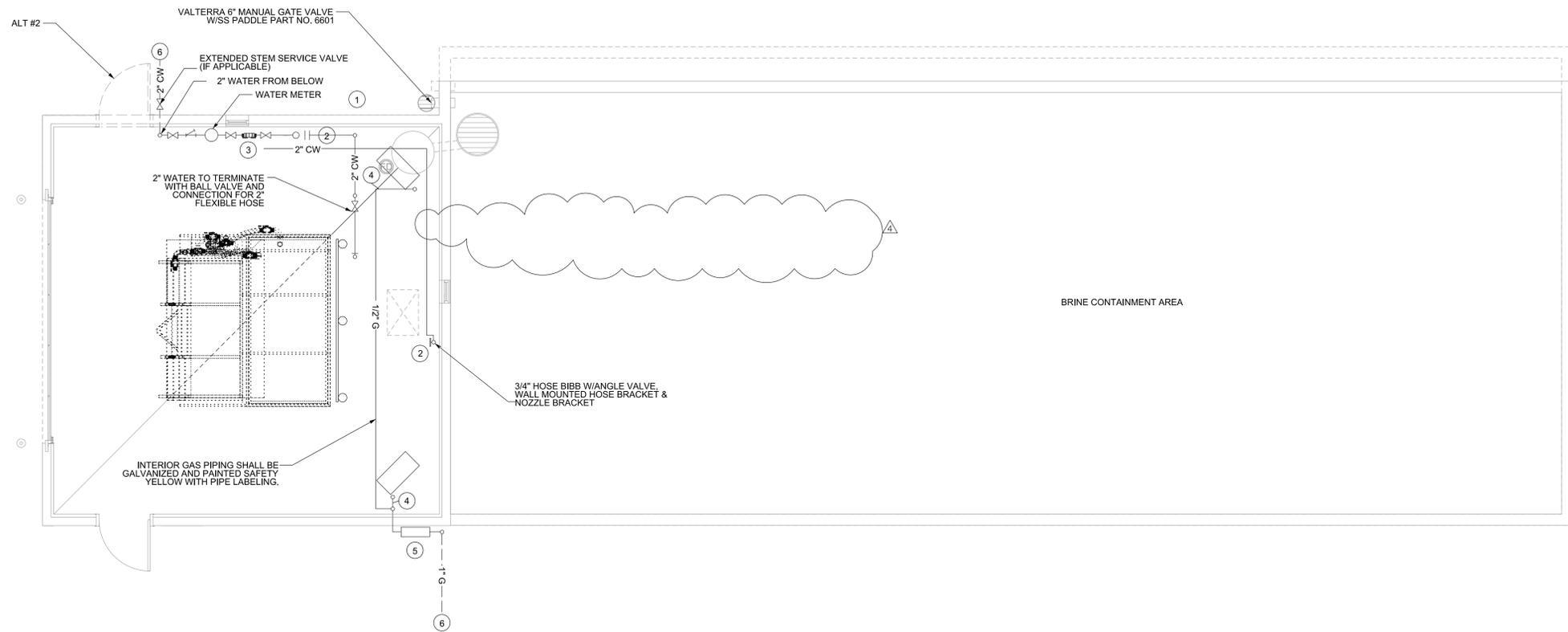
1 SHEET OF 6

SP - 1

PROJECT NUMBER:
BG-4A32(000)--80-52

SITE PLAN AND UTILITIES





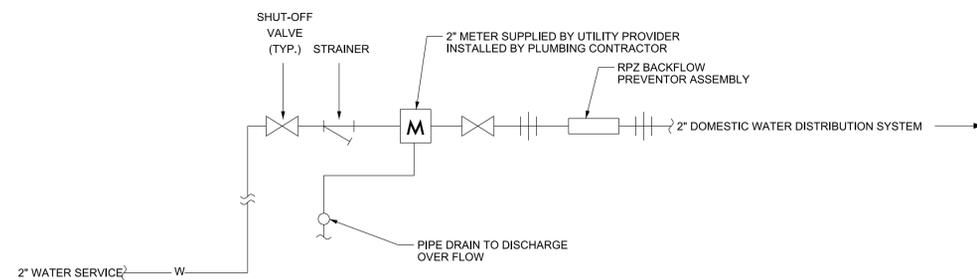
MECHANICAL PLAN
SCALE: 1/4"=1'-0"

MECHANICAL GENERAL NOTES:

- DRAWINGS SHOWING LOCATION OF FIXTURES, EQUIPMENT, DUCTWORK, PIPING, ETC. AND MAY NOT ALWAYS REFLECT ACTUAL INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF ALL PIPING, DUCTWORK, EQUIPMENT, ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS. AS REQUIRED, THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- VERIFY SIZE AND LOCATION OF EXISTING PIPING AND EQUIPMENT AS IT RELATES TO NEW WORK.
- PLUMBING CONTRACTOR SHALL COORDINATE ALL PLUMBING PIPING WITH ALL DUCTWORK AND OTHER TRADES PRIOR TO COMMENCEMENT OF WORK.
- FURNISH AND INSTALL MECHANICAL PRODUCTS IN COMPLIANCE WITH LOCAL BUILDING CODE AND THE AUTHORITY HAVING JURISDICTION, AND IN ACCORDANCE WITH GENERALLY ACCEPTED INDUSTRY STANDARDS AND PRACTICES AND MANUFACTURER'S RECOMMENDATIONS.
- VERIFY ACTUAL LOCATIONS OF FIXTURES AND DRAINS WITH ARCHITECTURAL.
- FIRE CAULK ALL MECHANICAL PENETRATIONS AT FIRE RATED WALLS.
- CONTRACTOR TO INSTALL ALL UTILITY CONNECTIONS TO NEW BRINE BUILDING. COORDINATE WITH EXISTING AVAILABLE SERVICES.
- CONTRACTOR TO PROVIDE AND INSTALL MAGNETIC STARTER SWITCHES FOR THREE - 7HP PUMPS. (PUMPS PROVIDED BY OWNER.)

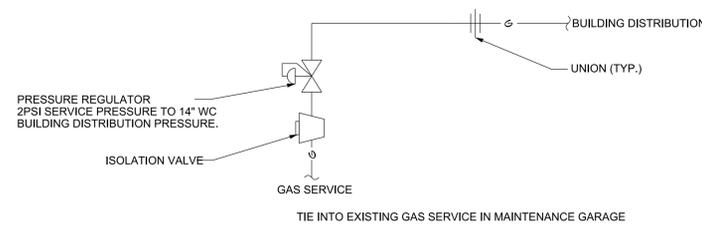
KEY NOTES:

- WATER METER, PROVIDED BY UTILITY PROVIDER AND INSTALLED BY CONTRACTOR.
- HOSE BIBB, CHICAGO 387 - LEFE 27
- BACKFLOW PREVENTOR, 2" WATTS 009QT, REDUCED PRESSURE ZONES
- 1/2" GAS TO UNIT HEATER
- NATURAL GAS CONNECTION INSTALLED BY CONTRACTOR.
- BUILDING SERVICES TO BRINE BUILDING. INSTALLED BY CONTRACTOR



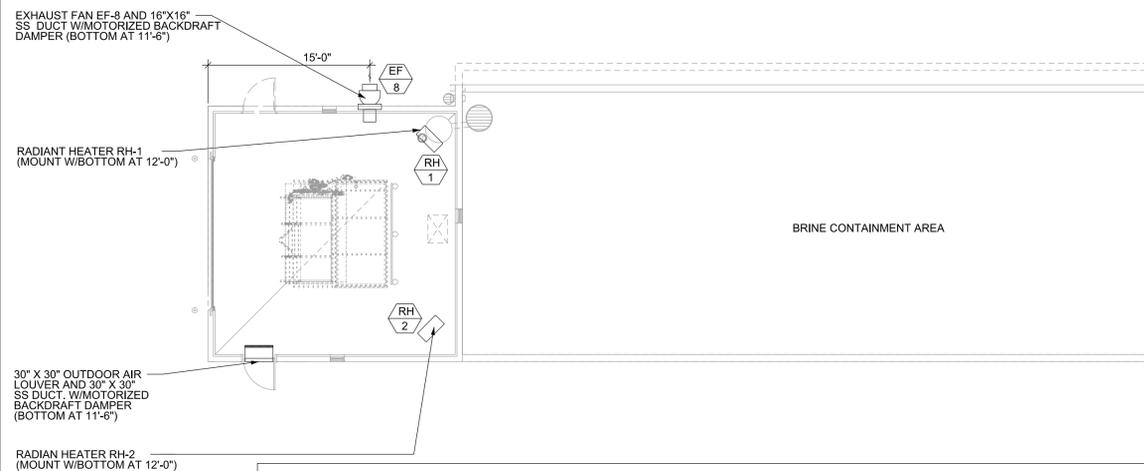
DOMESTIC WATER SERVICE DETAIL

N.T.S.



NATURAL GAS SERVICE DETAIL

N.T.S.



GAS FIRED RADIANT HEATER SCHEDULE

DESIGNATION	MANUFACTURER	MODEL	LOCATION	OUTPUT (BTU/HR)	RADIANT SURFACE (IN ²)	VOLTAGE/PHASE	WATTS	REMARKS
RH-1	RE-VERBER-RAY	DR-30	BRINE	30,000	85	120/1	500	
RH-2	RE-VERBER-RAY	DR-30	BRINE	30,000	85	120/1	500	

FAN SCHEDULE

DESIGNATION	SERVES	MANUFACTURER	MODEL	CFM	ESP	RPM	DRIVE	MOTOR HP	VOLTS	PHASE	REMARKS
EF-8	BRINE BUILDING	GREENHECK	CWB-121-4	1150	0.125	1750	BELT	1/4	120	1	1, 2

- REMARKS
- PROVIDE NEMA 4X DISCONNECT
 - COATED WITH HI-PRO POLYESTER, DARK GRAY (041), STAINLESS STEEL SHAFT, GALVANIZED BIRD SCREEN, MOTOR WITH THERM OVERLOAD.

MECH. HVAC PLAN
SCALE: 1/4"=1'-0"