

IMCC BOOSTER PUMP

2700 Coral Ridge Ave, Coralville, IA 52241



WATER METER PIT LOCATION

PROJECT LOCATION

SHEET INDEX

GENERAL
G000 COVER SHEET

ARCHITECTURE
A101 FLOOR PLAN, ELEVATION, AND DETAILS

PLUMBING
P101 PUMPHOUSE LAYOUT

CERTIFICATIONS

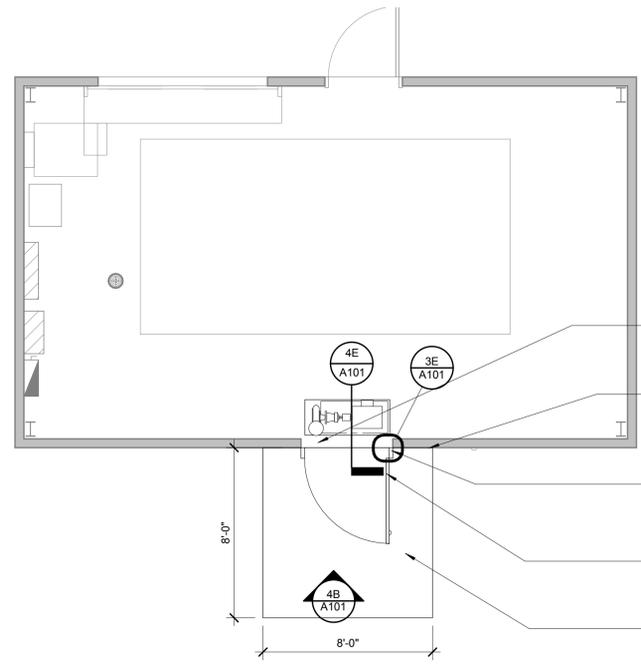
ARCHITECT

<small>I HEREBY CERTIFY THAT THE PORTION OF THIS TECHNICAL SUBMISSION DESCRIBED BELOW WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND RESPONSIBLE CHARGE. I AM A DULY REGISTERED ARCHITECT UNDER THE LAWS OF THE STATE OF IOWA.</small>	
Printed or typed name Michael E. Morman	Date 06-05-2017
Signature 6/30/2017	Date Issued 2/6/2007
<small>REGISTRATION EXPIRES</small> PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL: A101	

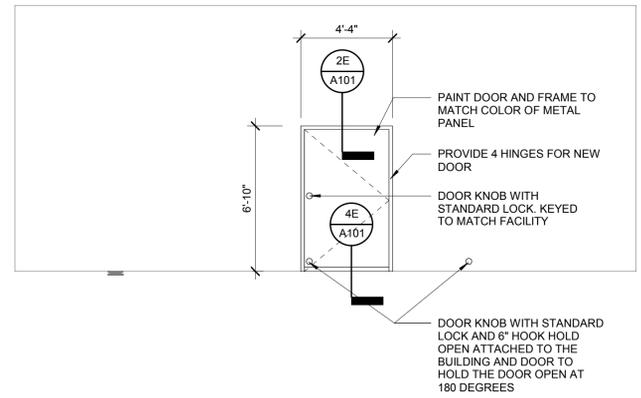
MECHANICAL ENGINEER

<small>I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.</small>	
Printed or typed name Samuel W. Bergus	Date 06-05-2017
License Number 20809	My license renewal date is 12/31/2017
<small>PAGES, SHEETS OR DIVISIONS COVERED BY THIS SEAL:</small> P101	

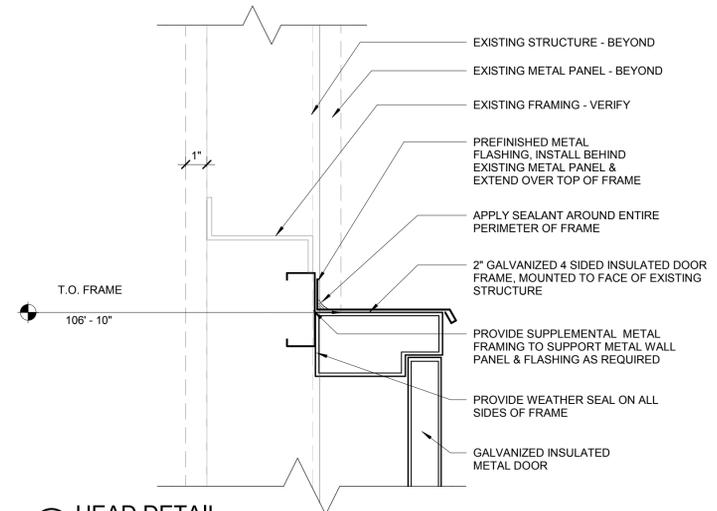
DRAWN:	AA
APPROVED:	MEM
ISSUED FOR:	BID
DATE:	06-05-17
PROJECT NO:	2164270
FIELD BOOK:	
CLIENT NO:	RFB#017335034



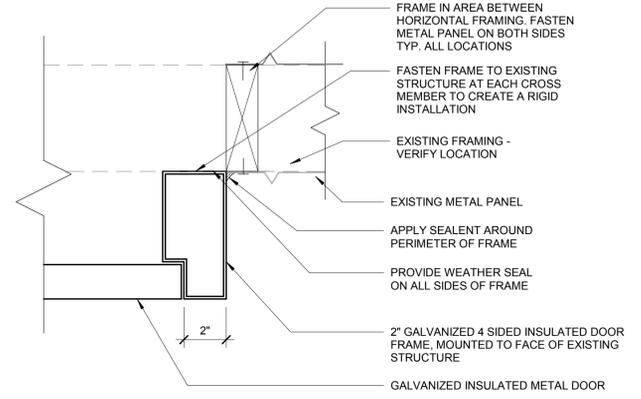
3A FLOOR PLAN
 1/4" = 1'-0" 0 6'



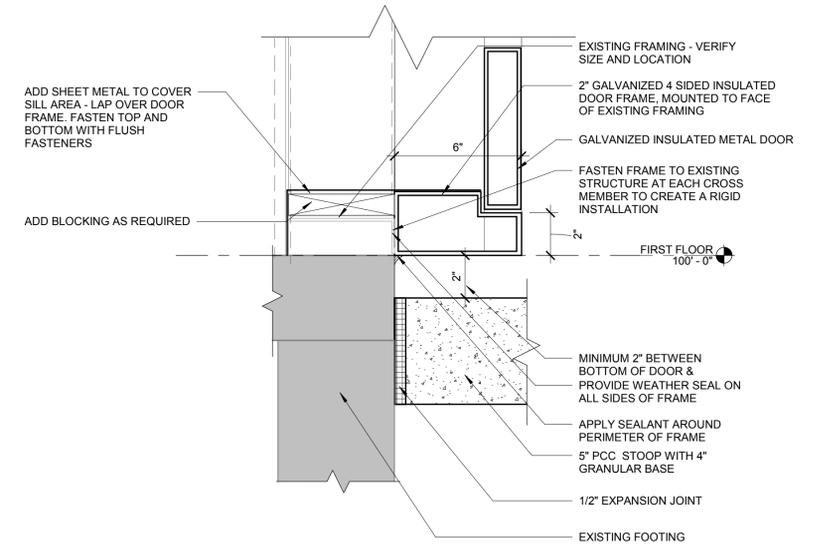
4B EXTERIOR ELEVATION
 1/4" = 1'-0" 0 6'



2E HEAD DETAIL
 3" = 1'-0" 0 6'



3E JAMB DETAIL
 3" = 1'-0" 0 6'



4E SILL DETAIL
 3" = 1'-0" 0 6'

A

B

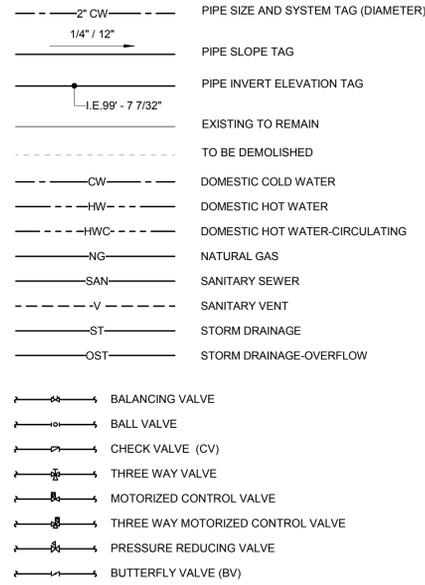
C

D

E

F

PLUMBING SYMBOLS LIST

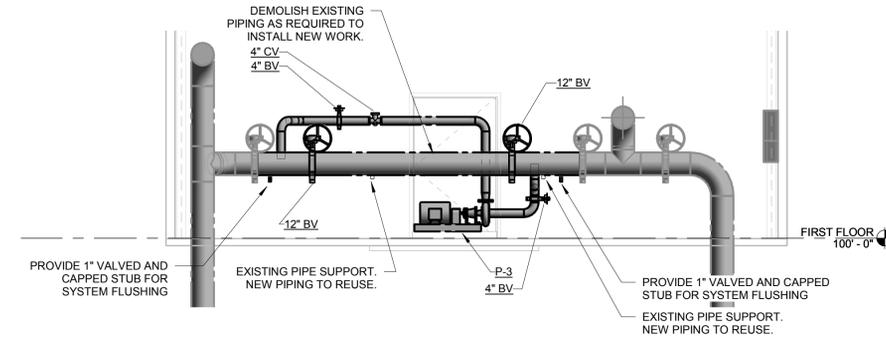


PLUMBING PUMP SCHEDULE

REMARKS:

- 1. PUMP SIZED WITH INLET PRESSURE OF 45 PSI AND OUTLET PRESSURE OF 78 PSI.
- 2. PROVIDE WITH ALPHA NI AI BRONZE IMPELLER.
- 3. PROVIDE WITH SHAFT GROUNDING KIT.

MARK	GPM	HEAD (FT.)	SHUTOFF HEAD (FT.)	MOTOR DATA			RPM	DESIGN BASIS	REMARKS
				HP	VOLTS	PHASE			
P-3	400	78.00	84.00	15	460	3	1750	PENTAIR 344A	1, 2, & 3

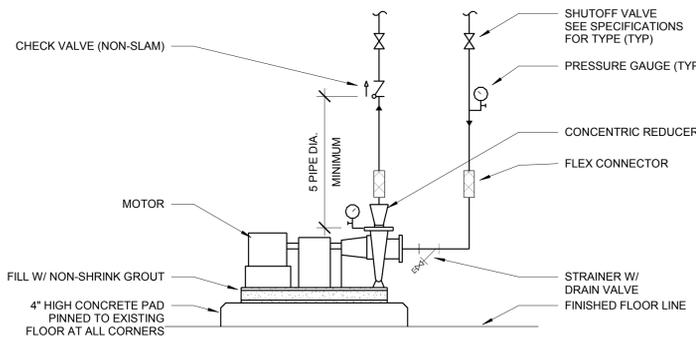
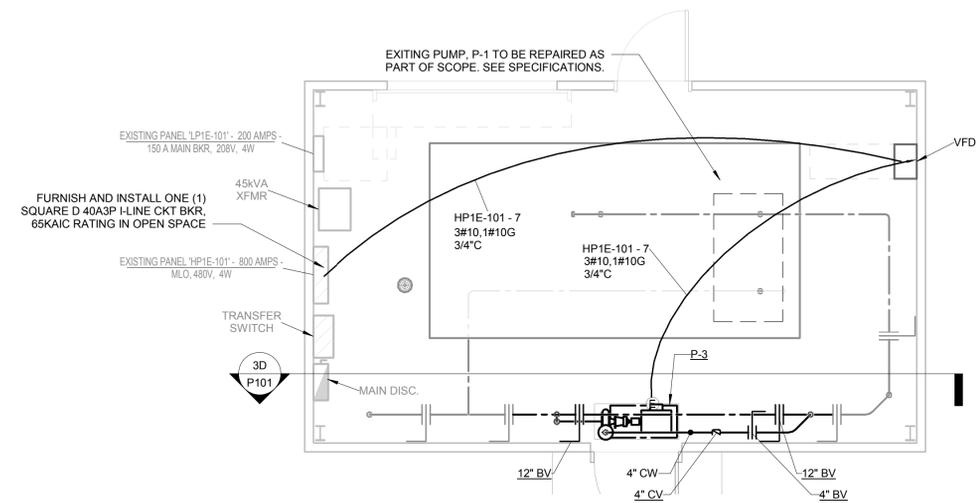


ADDITIONAL MECHANICAL CONTROL WORK

ROUTE NEW CONDUIT FROM WATER METER PIT (SEE ARIEL PHOTO ON G001) TO BOILER HOUSE. CONDUIT TO BE A MINIMUM OF 16" BELOW GRADE UNTIL ENTERING BOILER HOUSE, APPROXIMATELY 10'. FURNISH AND INSTALL CONTROLLER AND DISPLAY HARDWARE TO DISPLAY WATER PRESSURE ON REMOTE DISPLAY IN BOILER HOUSE. SEE ALL PENETRATIONS. COORDINATE LOCATION OF DISPLAY WITH OWNER. PRIOR TO COMMENCING WORK, LOCATE ALL UTILITIES.

3D PUMP LAYOUT

1/4" = 1'-0" 0' 6'



4B END SUCTION BASE MOUNTED PUMP DETAIL

NOT TO SCALE

PLAN NORTH



4D PUMPHOUSE LAYOUT

1/4" = 1'-0" 0' 6'