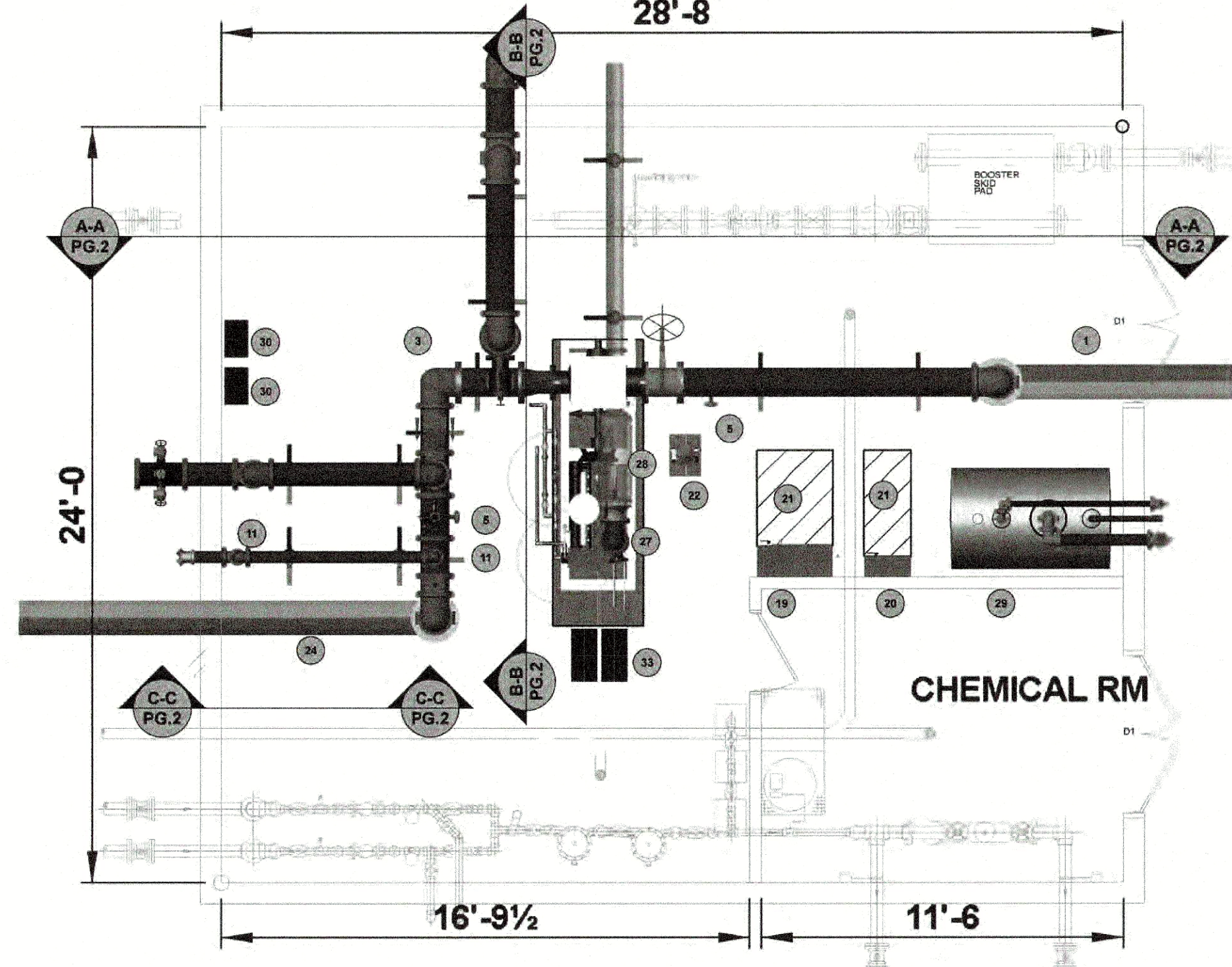
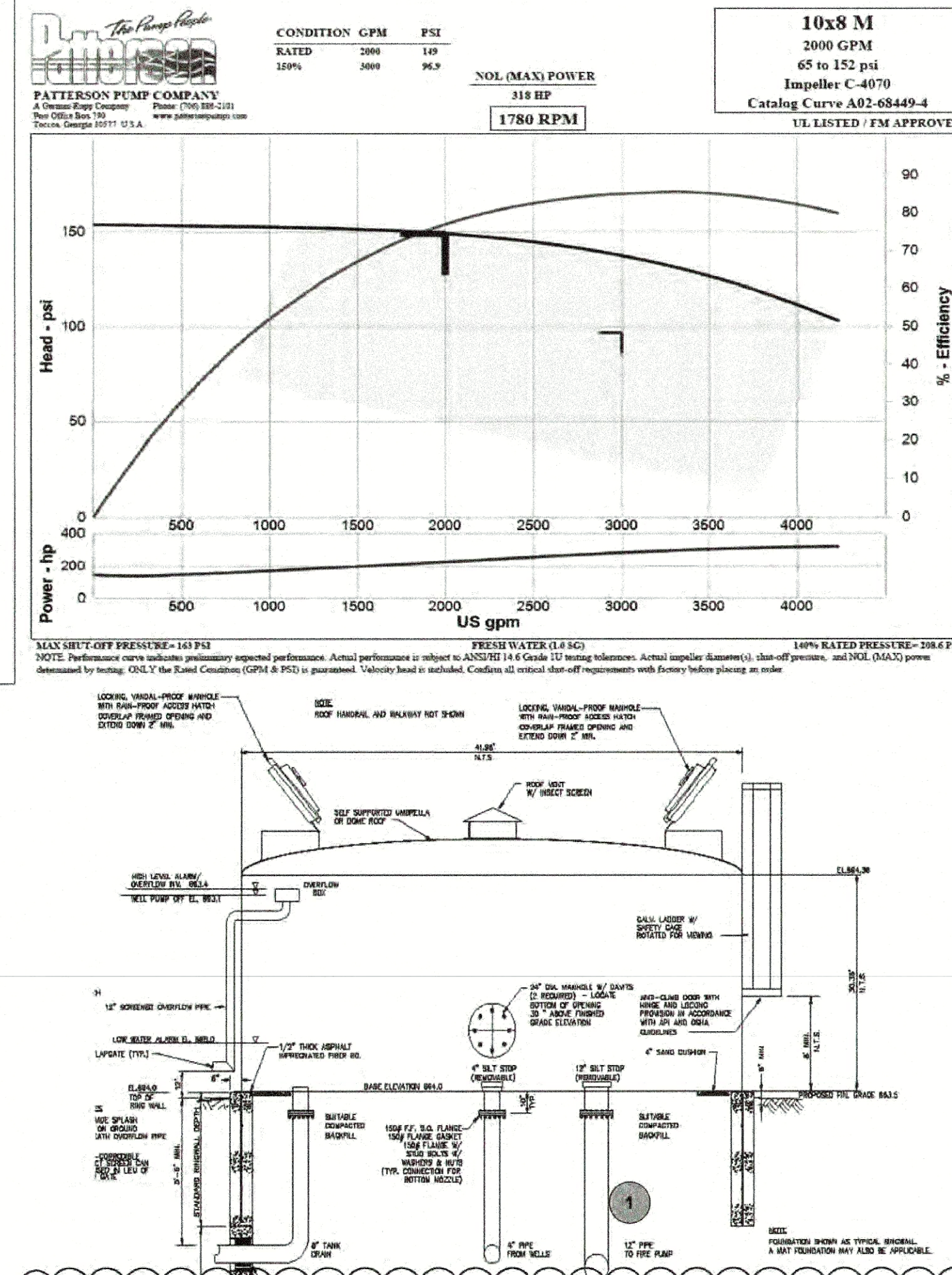
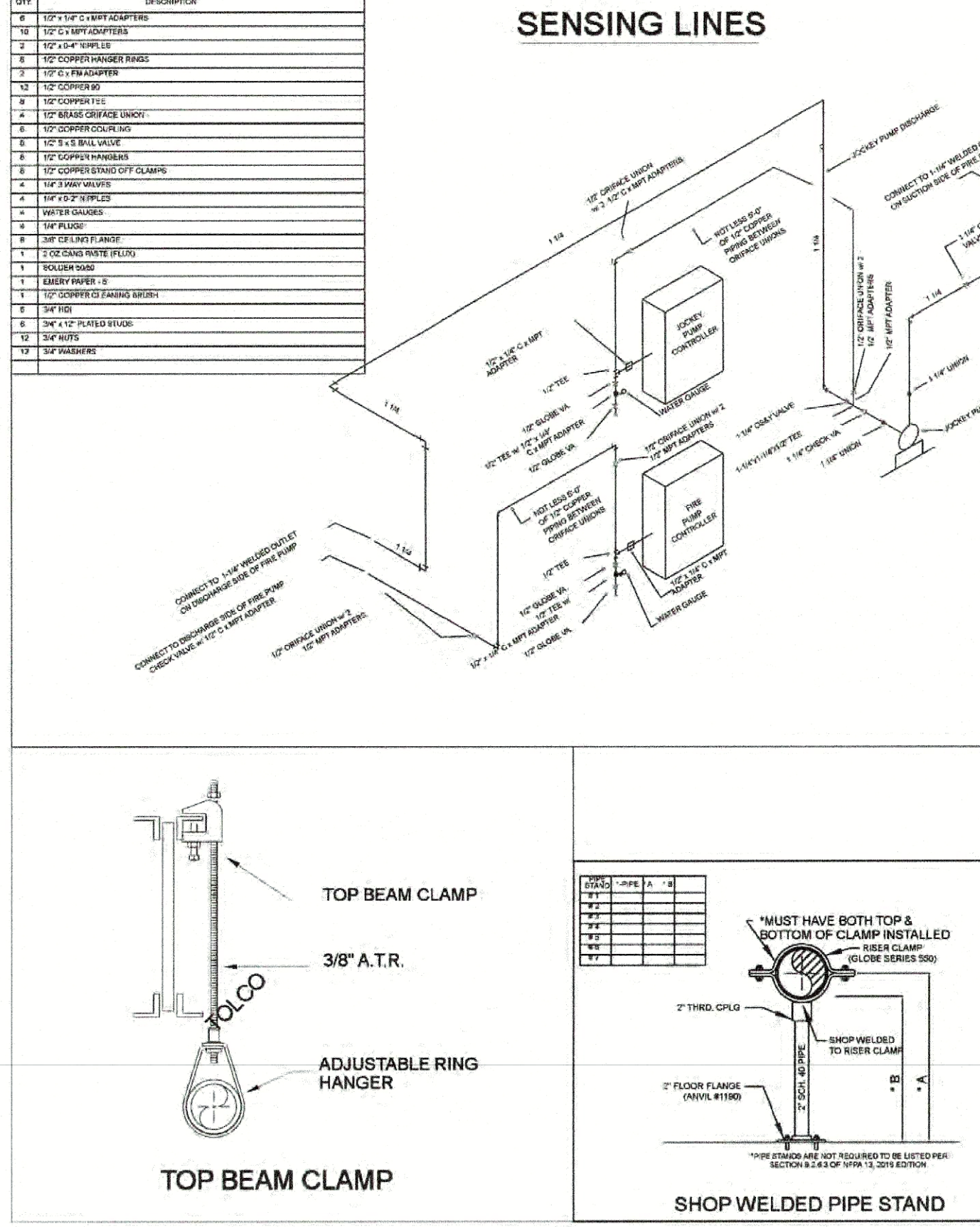


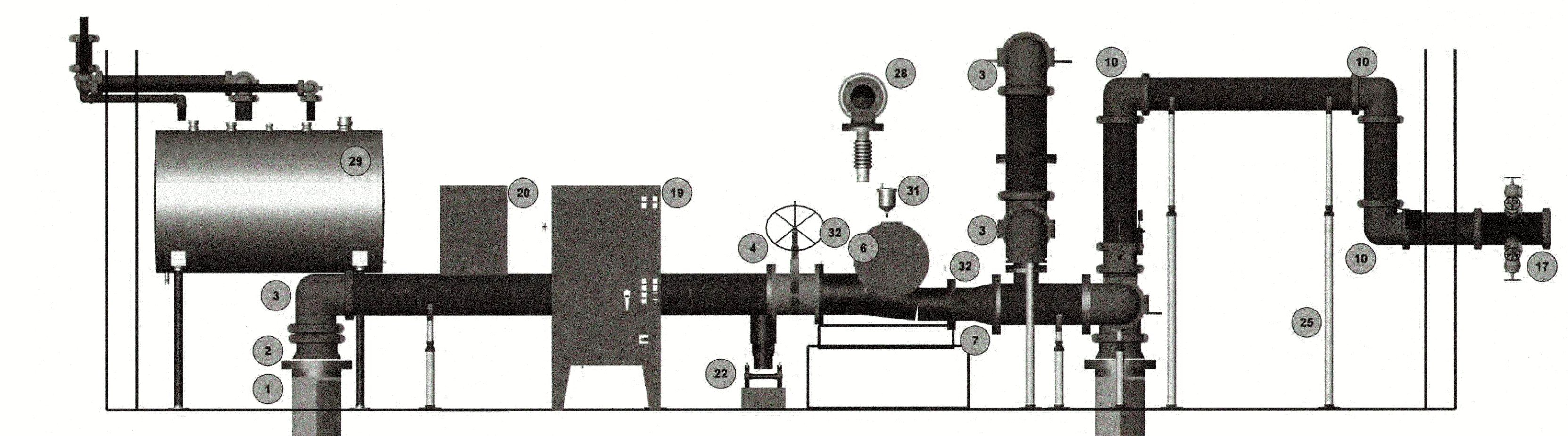


PUMP HOUSE PLAN VIEW
1/2" = 1'-0"

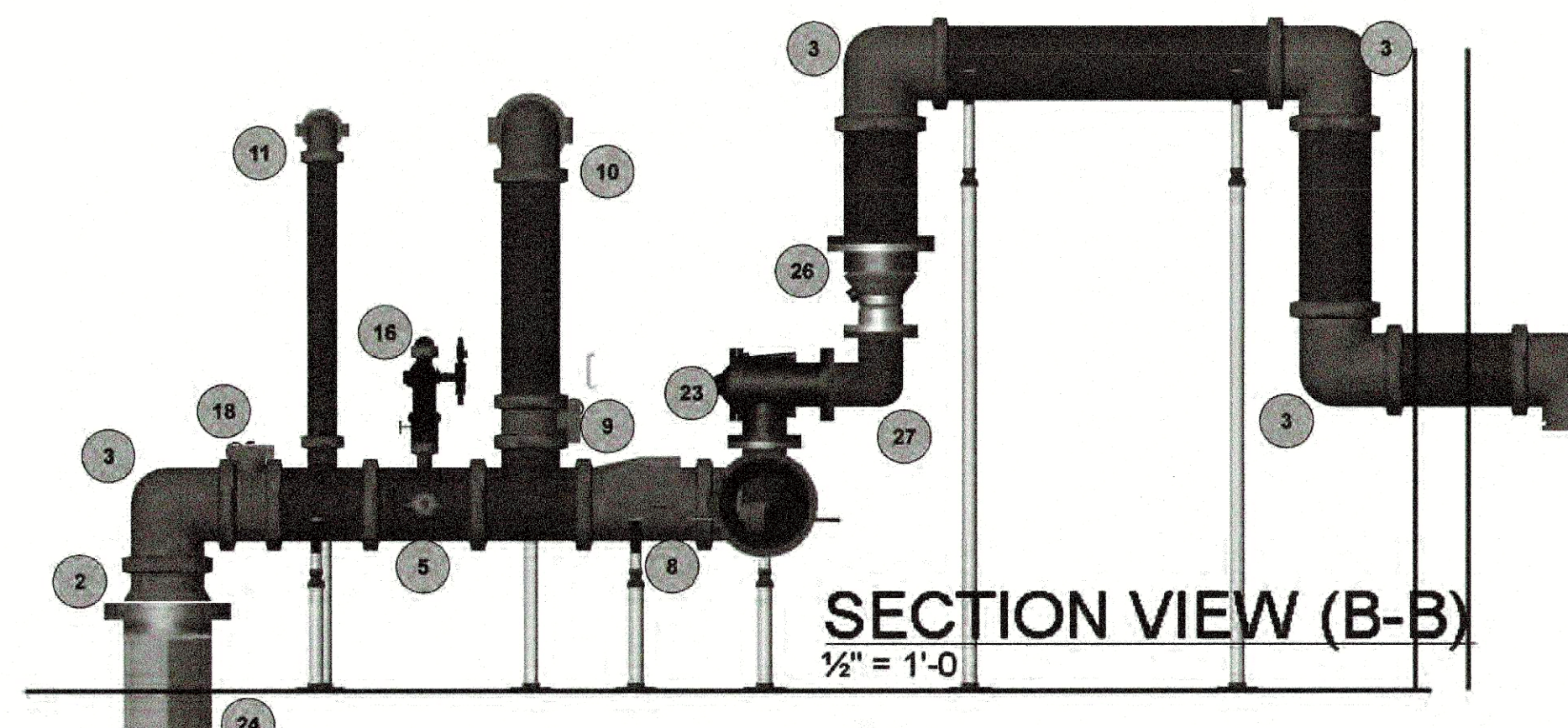


FIRE PUMP LEGEND

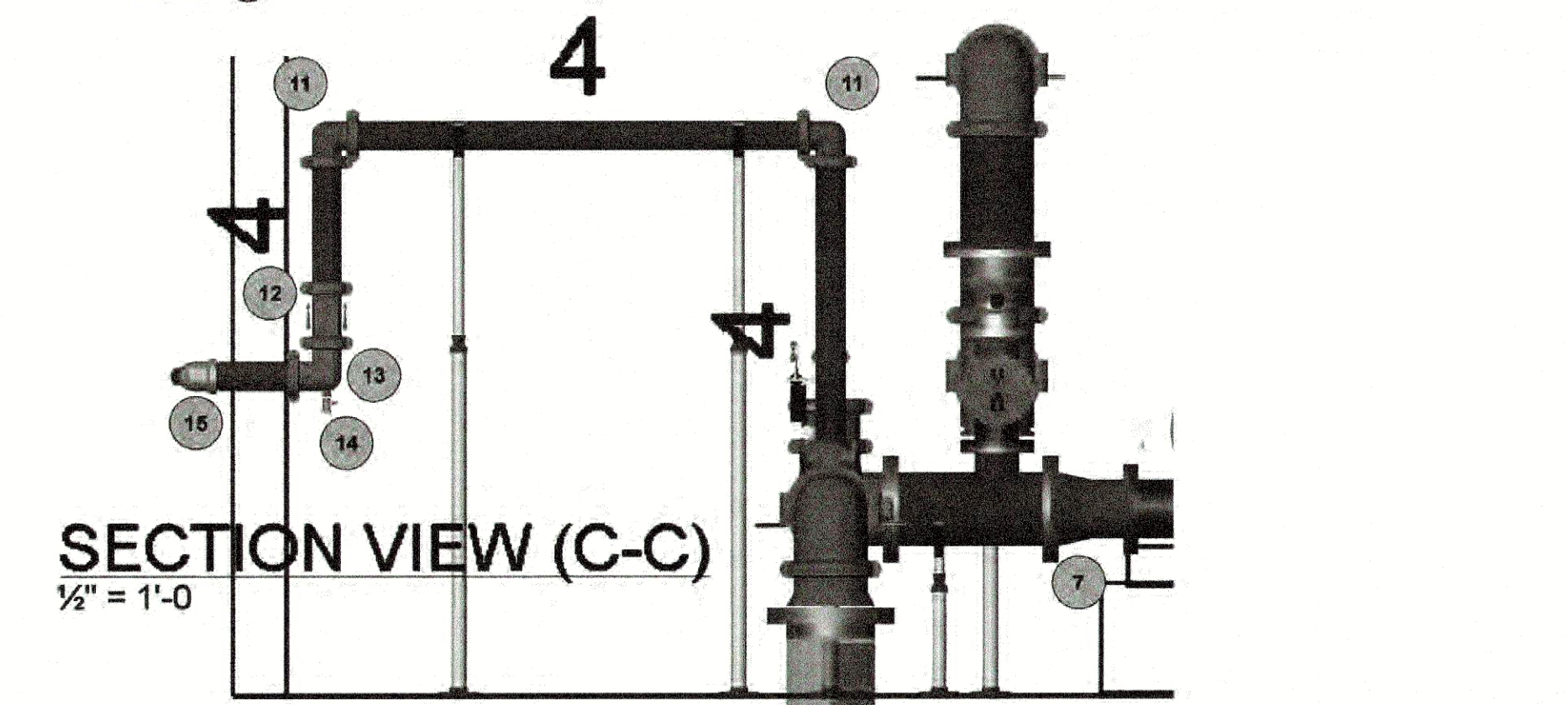
- 12" UNDERGROUND PIPE FROM WATER STORAGE TANK (BY OTHERS)
- 12x10" VIC CONCENTRIC REDUCER
- 10" VIC GROOVED 90s
- 10" FIVALCO GRV x FLANGE OS&Y
- 1 1/4" JOCKEY PUMP OUTLETS
- PATTERSON MODEL 10x8M 149@2000 GPM DIESEL HORIZONTAL SPLIT CASE FIRE PUMP
- 10x8 FLANGED CONCETRIC INCREASER (PROVIDED W/PUMP)
- 10" VIC 717 CHECK VALVE
- 8" 707C NORMALLY CLOSED BUTTERFLY VALVE
- 8" VIC GRROVED 90
- 4" GROOVED 90s
- 4" RELIABLE MODEL G CHECK VALVE
- SMITH COOPER 4x4x1 DRAIN 90
- 1" AUXILLARY DRAIN
- FPPI 09-000 4x2 1/2x2 1/2 FDC CONNECTION
- 16.2" UMC WITH BUTTERFLY, CHECK VALVE, TEST AND DRAIN AND FLOW SWITCH
- 8" TEST HEADER WITH 6 2 1/2" HOSE VALVE CONNECTIONS
- 10" VIC BUTTERFLY VALVE
- TORNATECH MODEL GPD DIESEL FIRE PUMP CONTROLLER
- TORNATECH MODEL JP3 JOCKEY PUMP CONTROLLER
- 36" REQUIRED CLEARENCE
- GRUNDFOS JOCKEY PUMP MODEL CR3-23053646-T
- 6" MAIN RELIEVE VALVE
- 12" UNDERGROUND TO FIRE LOOPS (BY OTHERS)
- PIPE STANDS
- 6x10 WASTE CONE
- 6" CAST IRON FLANGED 90s
- 6" EXHAUST MUFFLER
- 360 GALLON SINGLE WALL FUEL TANK
- SPARE HEAD CABINETS
- AUTOMATIC AIR RELEASE VALVE
- SUCTION & DISCHARGE DIAL GAGES
- LEAD-ACID BATTERY KITMODEL 8D-900



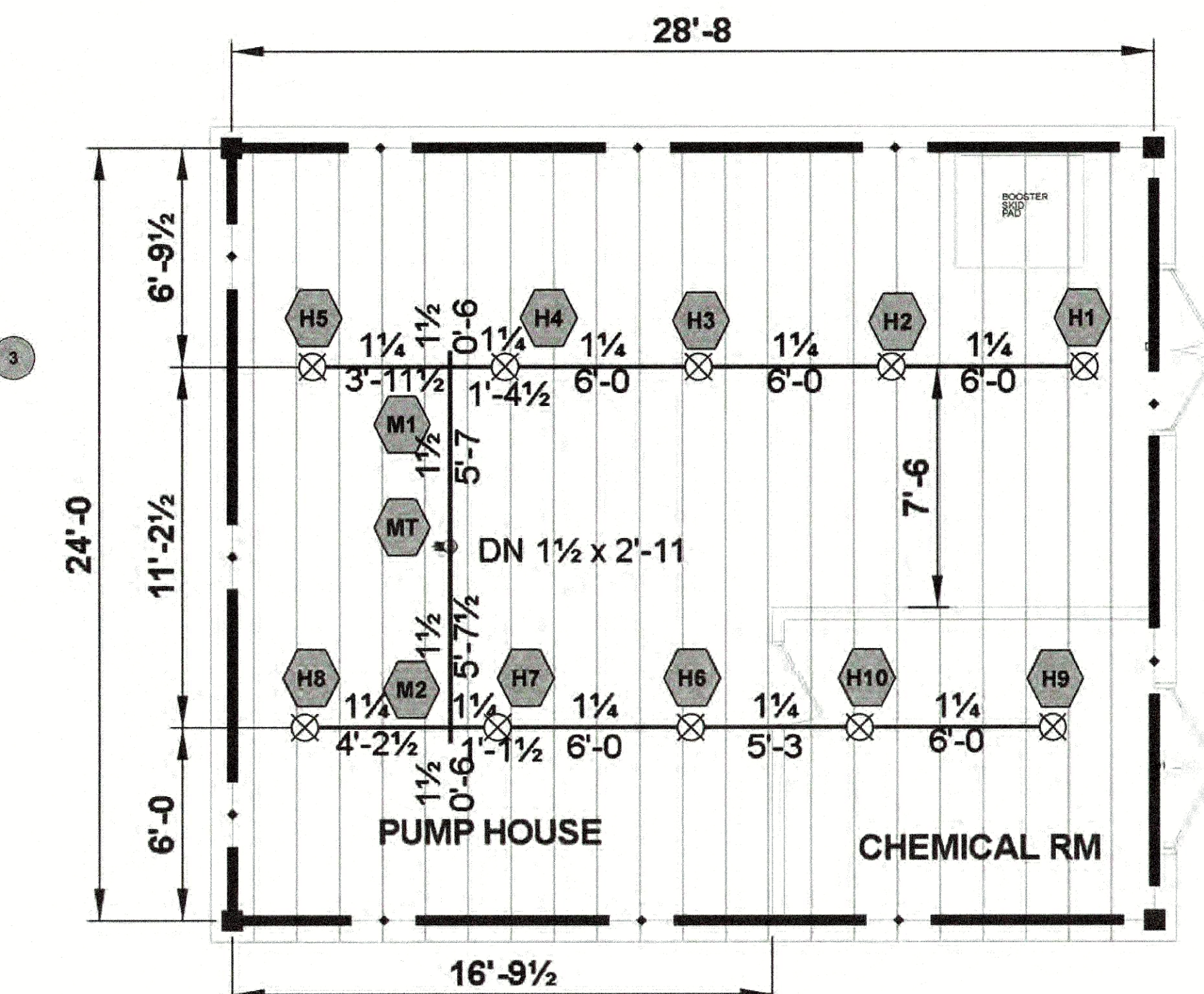
SECTION VIEW (A-A)
1/2" = 1'-0"



SECTION VIEW (B-B)
1/2" = 1'-0"



SECTION VIEW (C-C)
1/2" = 1'-0"



PUMP HOUSE OVERHEAD
1/2" = 1'-0"

300,000 GAL. WATER STORAGE TANK (BY OTHERS) N.T.S.

This building is protected by a Hydraulically Designed Automatic Sprinkler System.

Location: **K8.0 PUMP ROOM**

No. of Sprinklers: **8**

Basic Of Design:

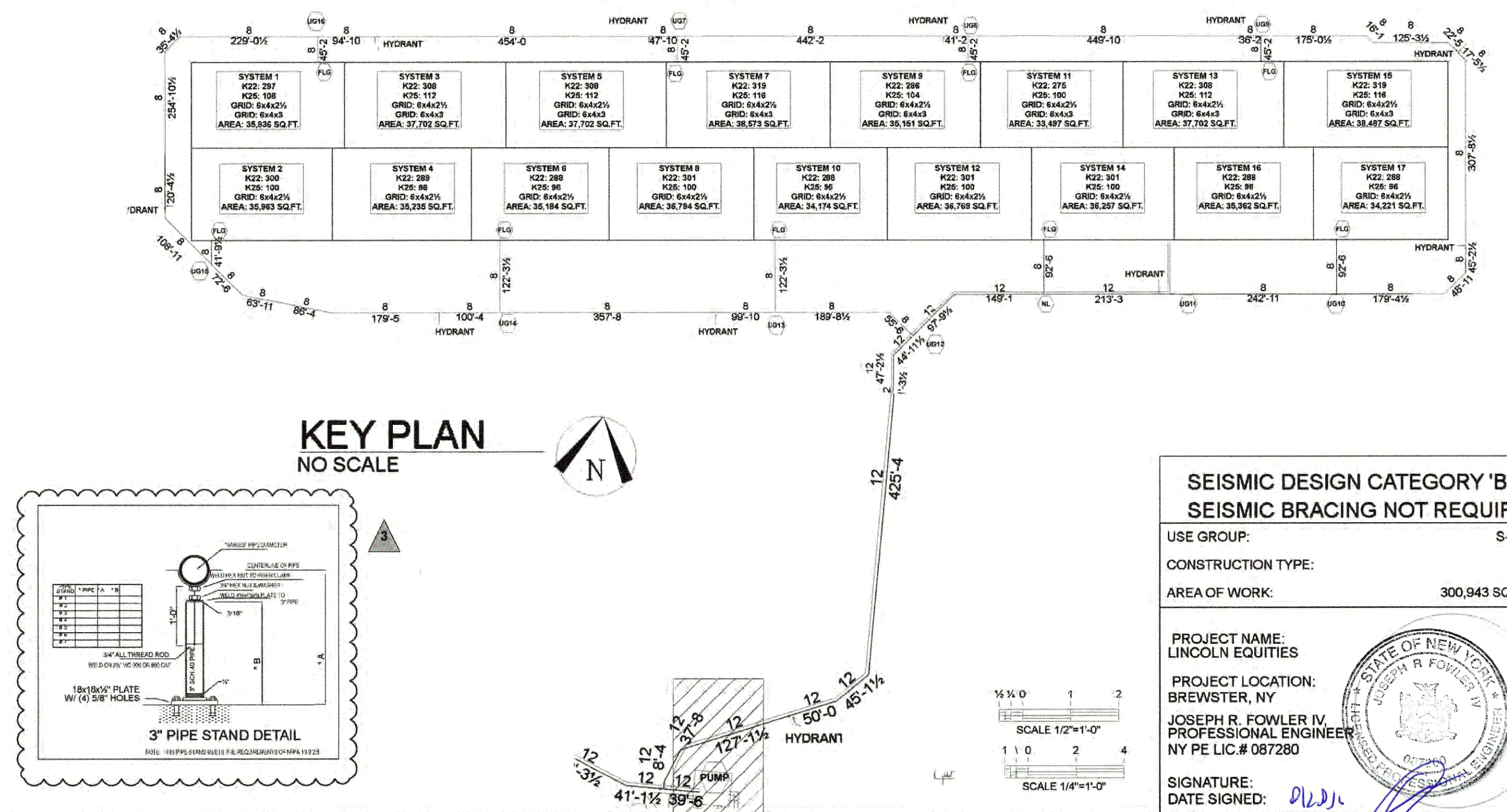
- 1. DENSITY: **0.4 GPM/SQ. FT.**
- 2. DESIGNED AREA OF: **ENTIRE SQ. FT.**

System Demand:

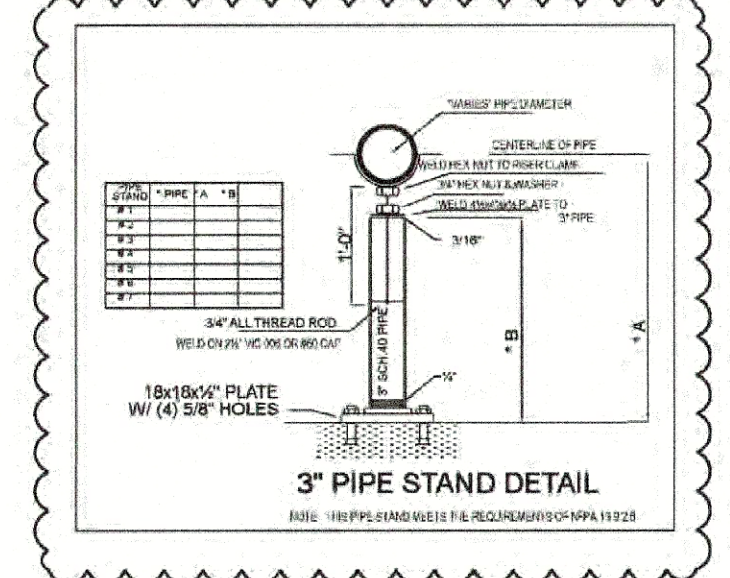
- 1. GPM DISCHARGE: **888.672 GPM**
- 2. RESIDUAL PRESSURE AT THE BASE OF THE RISER: **91.682 PSI**

Building Information:

- 1. OCCUPANCY: **EXTRA HAZARD GROUP 2**
- 2. COMMODITY: **N/A**
- 3. MAXIMUM STORAGE: **N/A**



KEY PLAN
NO SCALE



3" PIPE STAND DETAIL

SEISMIC DESIGN CATEGORY 'B'
SEISMIC BRACING NOT REQUIRED

USE GROUP: **S-1, B**

CONSTRUCTION TYPE: **2B**

AREA OF WORK: **300,943 SQ. FT.**

PROJECT NAME: **LINCOLN EQUITIES**

PROJECT LOCATION: **BREWSTER, NY**

JOSEPH R. FOWLER IV
PROFESSIONAL ENGINEER
NY PE LIC # 087280

SIGNATURE: **[Signature]**

DATE SIGNED: **8/23/23**

S.A. COMUNALE Co. Inc.
FIRE PROTECTION CONTRACTORS

2800 NEWARK DR. BARBERTON, OHIO 44203 330-708-3040 FAX: 330-881-0880
CLEVELAND 440-884-9325 COLUMBUS 614-291-7001 CINCINNATI 513-874-4288
FREMONT 419-334-3841 PHILADELPHIA, PA: 856-848-4668 YOUNGSTOWN: 330-856-4440
MARION 740-383-6789 WASHINGTON, DC 410-788-1991 READING, PA: 610-670-3960

LINCOLN EQUITIES SOUTHEAST
NY312 & PUGSLEY RD, BREWSTER, NY 10509

BUILDING B PUMP HOUSE

DATE: **8.23.23** SCALE: **AS NOTED** DRAWN BY: **JUSTIN BOUGHNER** JOB #: **50531082** DWG #: **2 OF 20**

DESIGNER / BUILDER
ARCO
DESIGN/BUILD INDUSTRIAL
44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601
P: 914.821.5535 F: 914.308.6010

ADBI / DESIGN SERVICES
Lincoln Equities Group, LLC

PROJECT TITLE
LINCOLN EQUITIES - NY-312- ALT. BLDG B
NY-312 & PUGSLEY RD, SOUTHEAST, NY 10509

ARCHITECT
ADBI / DESIGN SERVICES LLC
44 SOUTH BROADWAY, SUITE 1003
WHITE PLAINS, NY 10601

CIVIL ENGINEER
LANGAN ENGINEERING
300 KIMBALL DRIVE
PARSONS, NY 07054

STRUCTURAL ENGINEER
SMITH ROBERTS AND ASSOCIATES, INC.
6501 BLUFF RD.
INDIANAPOLIS, INDIANA 46217

MECHANICAL ENGINEER
NATIONAL DESIGN/ BUILD SERVICES
11840 BORMAN DRIVE
ST. LOUIS, MO 63146

ELECTRICAL ENGINEER
FXB ENGINEERING
5 CHRISTY DRIVE, SUITE 307
CHADDS FORD, PA 19317

PLUMBING ENGINEER
MCCARTHY ENGINEERING ASSOCIATES, INC.
315 EAST SECOND STREET
BOYERTOWN, PA 19512

FIRE PROTECTION ENGINEER
S A COMUNALE CO. INC.
2900 NEWARK DRIVE
BARBERTON, OH 44203

SEAL

JOSEPH V. DIGIORGIO | NY: 042948

KEY PLAN

SUBMITTALS
NO. DATE DESCRIPTION
0 32-2022 ISSUE FOR PERMIT

PROJECT NO. **AS288-211 NY131** DRAWN BY **JB**

SHEET TITLE
BUILDING B ALTERNATE PUMP HOUSE

SHEET NO. **2 OF 20**