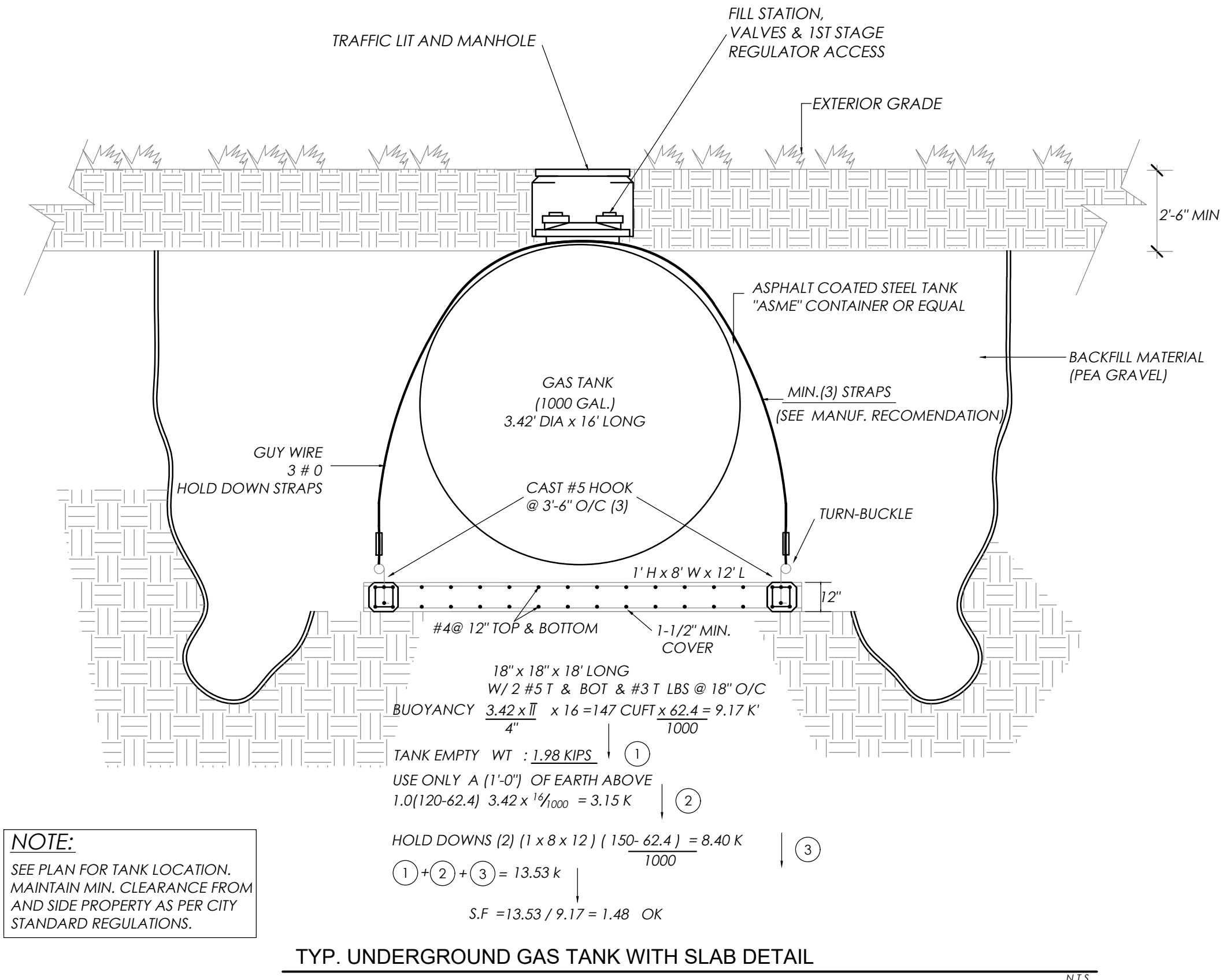
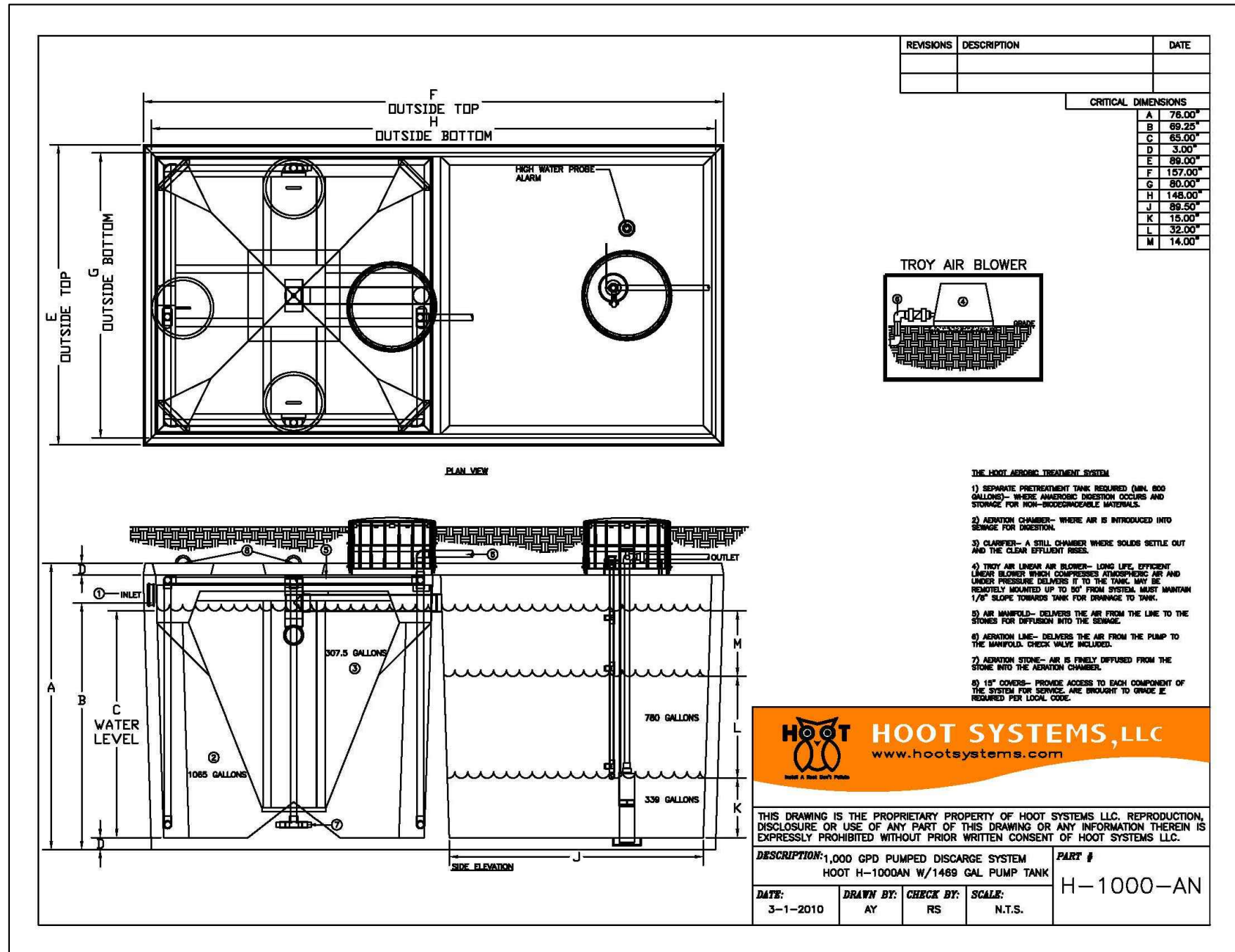




**NOTE:**  
SEE PLAN FOR TANK LOCATION.  
MAINTAIN MIN. CLEARANCE FROM  
AND SIDE PROPERTY AS PER CITY  
STANDARD REGULATIONS.

TYP. UNDERGROUND GAS TANK WITH SLAB DETAIL

N.T.S.



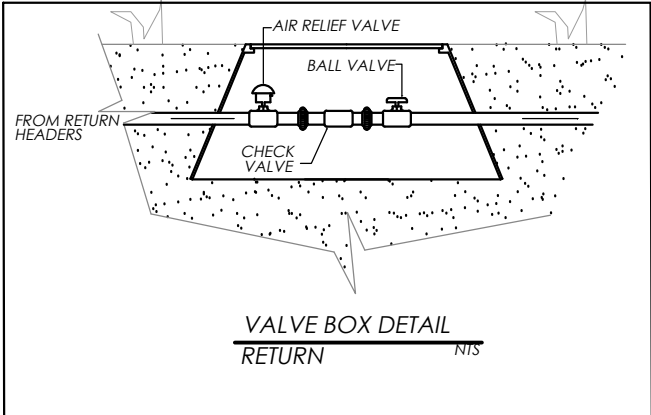
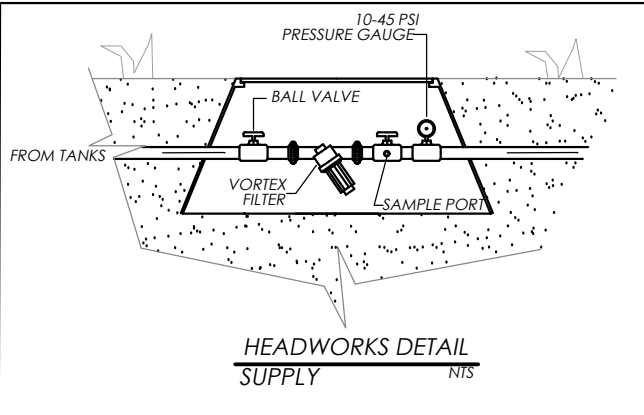
**HOOT SYSTEMS, LLC**  
www.hootsystems.com

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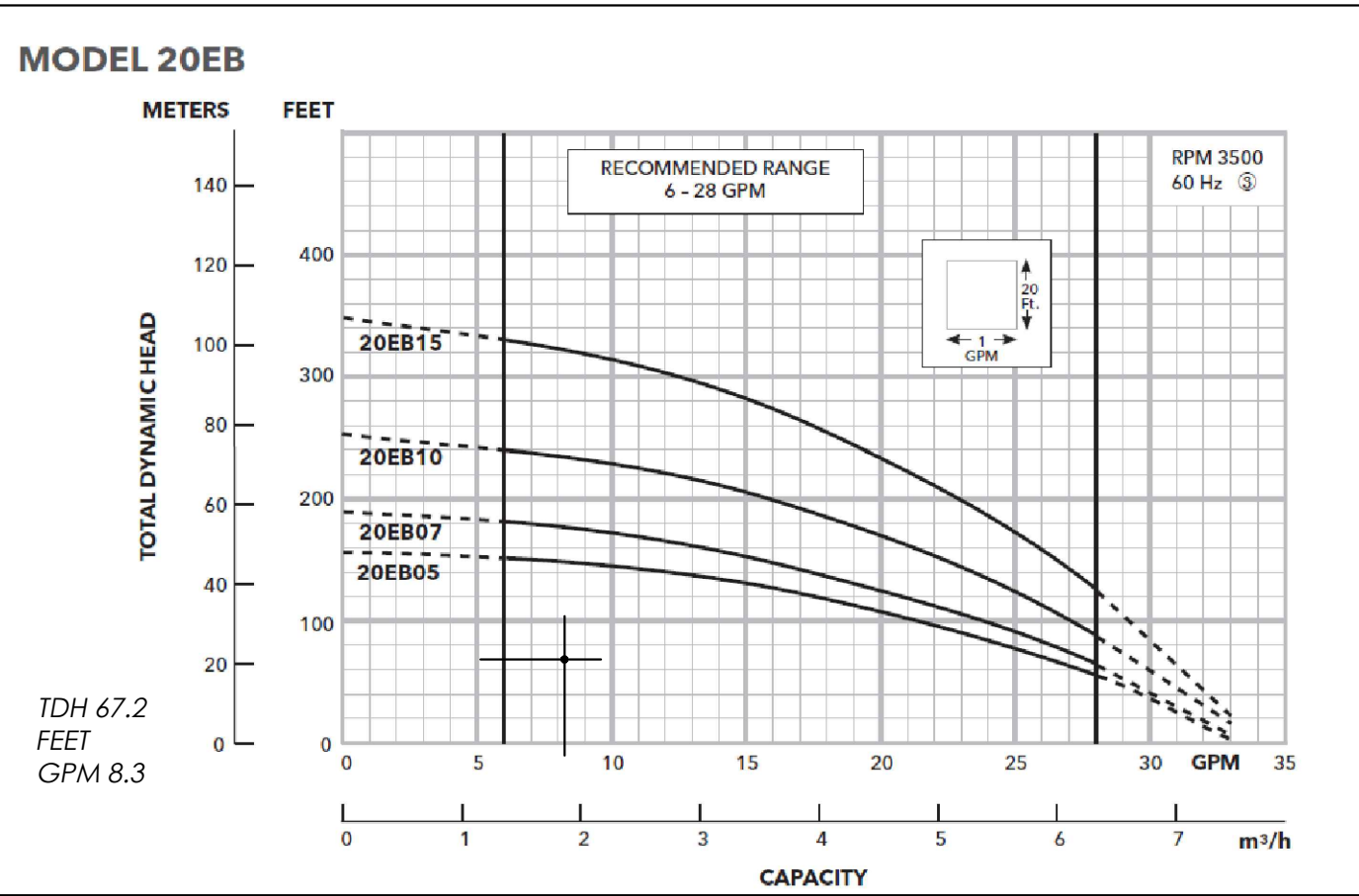
DESCRIPTION: 1,000 GPD PUMPED DISCHARGE SYSTEM  
HOOT H-1000AN W/1489 GAL. PUMP TANK  
DATE: 5-1-2010 DRAWN BY: AN CHECK BY: NS SOLAR: N.T.S. PART # H-1000-AN

#### CERTIFICATION:

- I CERTIFY THAT THE ENGINEERING FEATURES IN THIS PERFORMANCE-BASED TREATMENT SYSTEM HAVE BEEN DESIGNED OR SPECIFIED BY ME AND CONFORM TO ENGINEERING PRINCIPLES APPLICABLE TO SUCH PROJECT. IN MY PROFESSIONAL JUDGMENT, THIS SYSTEM, WHEN PROPERLY CONSTRUCTED, OPERATED AND MAINTAINED, WILL ACHIEVE THE ESTABLISHED PERFORMANCE STANDARD AND COMPLY WITH ALL APPLICABLE STATUTES OF THE STATE OF FLORIDA AND RULES OF THE DEPARTMENT.
- THIS IS BASED ON TESTING RESULTS INFORMATION PROVIDED BY HOOT, THAT SHOW THAT cBODS= AND TSS = mg/L WERE ACHIEVED DURING NSF-40 TESTING. TN= mg/L WAS ACHIEVED DURING NSF 245 TESTING. TP TREATMENT ANTICIPATES SUFFICIENTLY LOW INFLUENT CONCENTRATIONS (SEE 64E-6.025(3)(a)4 .FAC) AND IS EXPECTED TO MEET THE STABLESH PERFORMANCE STANDARD.
- (A REFERENCE TO THE OWNERS STUDY IN THE FLORIDA KEYS WOULD COVER DE SAME PARAMETERS .
- FECAL COLIFORM TREATMENT IS ANTICIPATED TO BE ACHIEVED BY SOIL TREATMENT BY ADDING 24" SAND BED,(64E-026(2a)(2)(d).
- THE PROPOSED SYSTEM INCLUDES SOME RECIRCULATION (SEE DRIP DESIGN) TO THE PRETREATMENT COMPARTMENT THAT WERE NOT PART OF THE TEST CONFIGURATION, BECAUSE THE RECIRCULATION RATE DOES NOT EXCEED 50%. I ANTICIPATE NO NEGATIVE INFLUENCE ON cBODS AND TSS RESULTS AND POSSIBLY AN ENHANCEMENT OF NITROGEN REDUCTION.
- FECAL COLIFORM WILL BE TREATED BY SAND FIELD IN SOIL, SEE MONITORING TEST POINT & SHALL BE TESTED TWICE (2) PER YEAR UNDER THE DRAINFIELD.

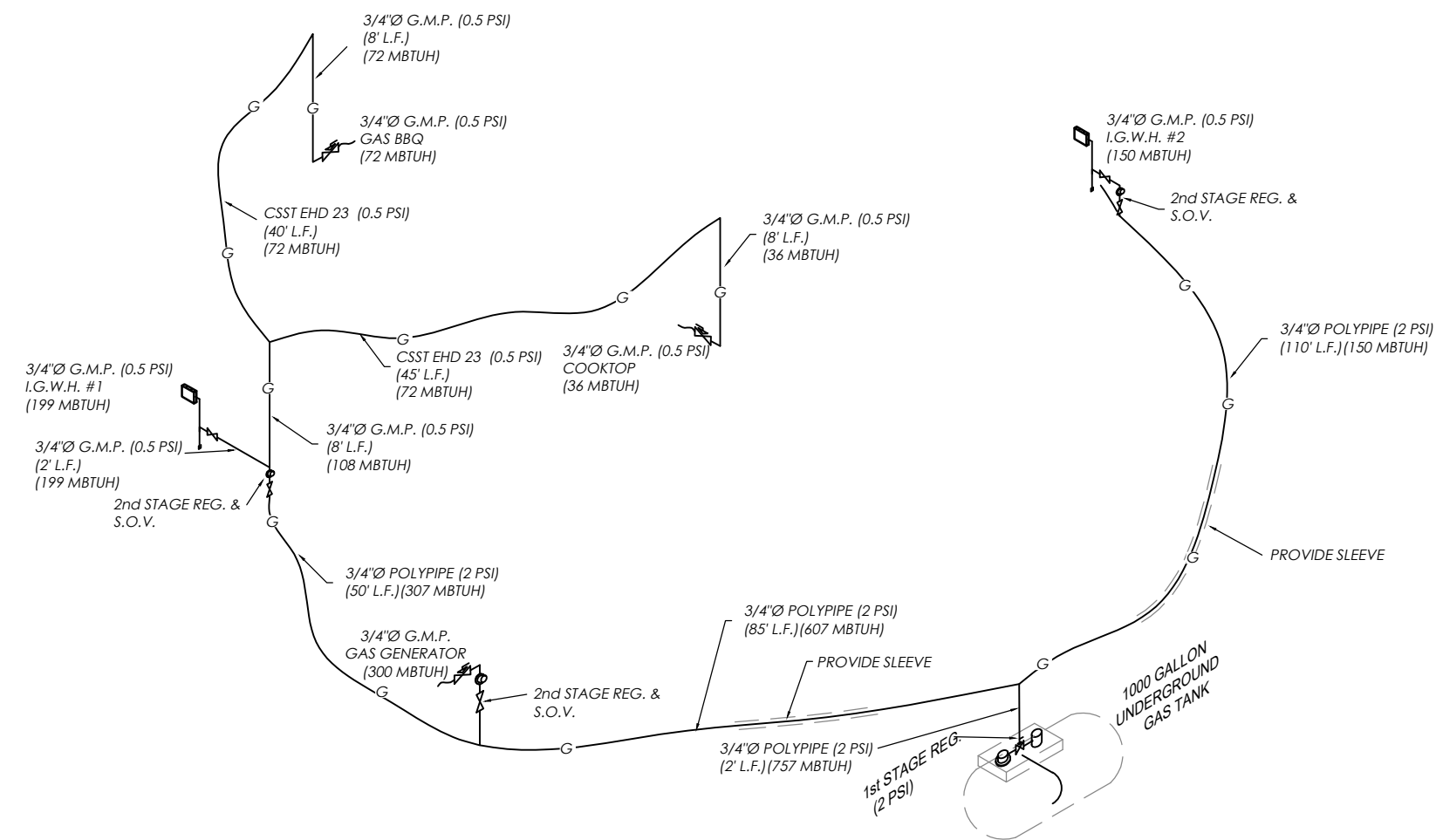


#### GOULDS 20EB SERIES SUBMERSIBLE EFFLUENT PUMP



#### 20EB-SERIES ELECTRICAL DATA

| MODEL      | HP | VOLTAGE | PHASE | SF   | FULL LOAD AMPS | LOCKED ROTOR AMPS | THERMAL OVERLOAD TEMP | STATOR WINDING CLASS | CORD LENGTH FT | DISCHARGE | AUTOMATIC |
|------------|----|---------|-------|------|----------------|-------------------|-----------------------|----------------------|----------------|-----------|-----------|
| 20EB 0522J | .5 | 120     | 1     | 1.00 | 6.8            | 10.5              | 120°C 248°F           | B                    | 25             | 1-1/4" Ø  | YES       |

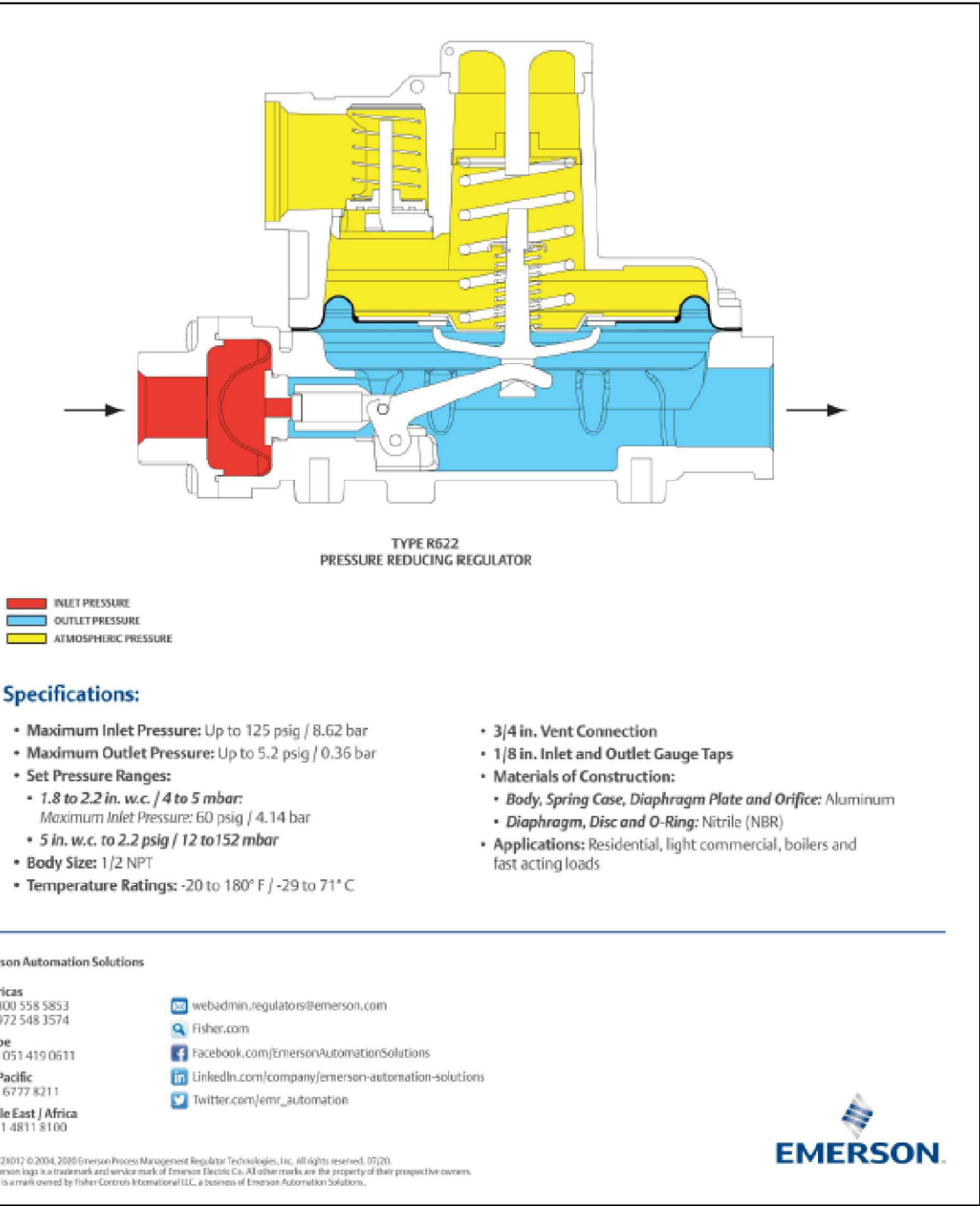


L.P.R. REGULATOR 2nd STAGE  
R-402 (N.C.) 2ND STAGE  
REGULATOR, W.C. SPRING  
NON-VENTILATED

LONGEST RUN IN LINEAL FEET=220'  
TOTAL MBTUH = 757

#### GAS RISER DIAGRAM

- GAS PIPE NOTES:
  - ALL GAS PIPING SHALL COMPLY W/ FBC 2020 7TH EDITION
  - UNDULVED PROPANE
- TABLES USED:
  - F.B.C. TABLE 402.4.127 (SCHEDULE 40 METALLIC PIPE (0.5 PSI) (G.M.P.)
  - F.B.C. TABLE 402.4.153 (CORRUGATED STAINLESS STEEL TUBING (CSST))
  - F.B.C. TABLE 402.4.154 (POLYETHYLENE PLASTIC PIPE (2 PSI) (P.P.P.)
- PROVIDE ELECTRICAL BONDING  
COORDINATE W/ ELEC. CONTRACTOR



- Specifications:**
  - Maximum Inlet Pressure: Up to 125 psig / 8.62 bar
  - Maximum Outlet Pressure: Up to 5.2 psig / 0.36 bar
  - Set Pressure Ranges:
    - 1.8 to 2.2 in. w.c. / 4 to 5 mbar
    - Maximum Inlet Pressure: 60 psig / 4.14 bar
    - 5 in. w.c. to 2.2 psig / 12 to 152 mbar
  - Body Size: 1/2 NPT
  - Temperature Ratings: -20 to 180° F / -29 to 71° C
- 3/4 in. Vent Connection
- 1/8 in. Inlet and Outlet Gauge Taps
- Materials of Construction:
  - Body, Spring Case, Diaphragm Plate and Orifice: Aluminum
  - Diaphragm, Disc and O-Ring: Nitrile (NBR)
- Applications: Residential, light commercial, boilers and fast acting loads

Emerson Automation Solutions  
Americas: 1-800-558-5853  
Europe: 1-800-558-5854  
Asia Pacific: 1-800-558-5854  
Middle East / Africa: 1-800-558-5854

EMERSON

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CMB eng. llc. Miami, Florida 33185  
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L.C. No. 35097  
www.CMBeng.com

Edmundo Largaspada, P.E.  
Professional Engineer  
P.E. No. 0056915

**PASCUAL  
PEREZ  
KILIDDJIAN  
STARR**  
ARCHITECTS + PLANNERS

LICENSE # AA 26001357  
EDGARDO PEREZ, AIA  
LICENSE No.: AR 0015394  
MARIO P. PASCUAL, AIA  
LICENSE No.: AR 0008254  
PETER KILIDDJIAN, RA  
LICENSE No.: AR 0093067  
ANDREW STARR, RA  
LICENSE No.: AR 0095130

AT THE BEACON CENTER  
1330 NW 84th AVENUE  
DORAL, FLORIDA 33126  
TELEPHONE: (305) 592-1343  
FACSIMILE: (305) 592-4845  
http://www.ppkarch.com

REVISIONS:

OWNER:  
HERITAGE HOME BUILDERS, LLC  
9350 SOUTH DIXIE HIGHWAY  
SUITE 1500  
MIAMI, FL 33156  
PHONE: 305.665.3077

NEW CONSTRUCTION AT PINECREST RESIDENCE:  
BY HERITAGE HOME BUILDERS, LLC.  
7725 SOUTHWEST 114 STREET  
VILLAGE OF PINECREST, FL 33156

SEAL:

**SITE  
PLUMBING NOTES & DETAILS**  
DATE: 03.23.2023  
SCALE: AS SHOWN  
DRAWN:  
CHECK BY:  
JOB NO.: 23\_0012

**P-1.1**

SHEET NO.: