STORAGE TANK IS ADEQUATELY ANCHORED TO PREVENT FLOATATION, COLLAPSE OR LATERAL MOVEMENT DURING THE BASE FLOOD EVENT.

ALL WORK SHALL BE IN ACCORDANCE WITH NFPA 54–58, NATIONAL FUEL GAS CODE, FLORIDA FUEL GAS CODE 2023 AND FLORIDA BUILDING CODE 2023.

TANKS INSTALLED IN TRAFFIC AREAS SHALL BE PROTECTED WITH GALV. STEEL SCHED. 80 PIPE BOLLARDS (4"ø) 6' LONG X 3' BURY DEPTH WITH CAP @ 3' O.C.

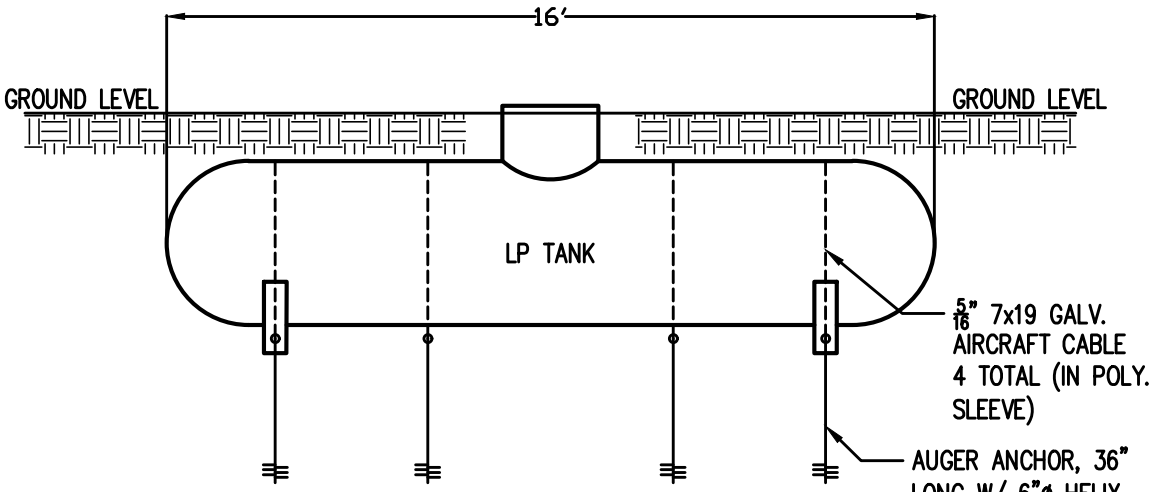
PROPANE TANK BUOYANCY

MAX BUOYANCY = $\rho w * g * V tank$
= 1.94 slug/ft^3 * 32.2 ft/s^2 * 133.68 ft^3
= 8351 LBS

NET BUOYANCY = MAX BUOYANCY – WEIGHT OF EMPTY TANK
= 8351 LBS – 1760 LBS
= 6591 LBS

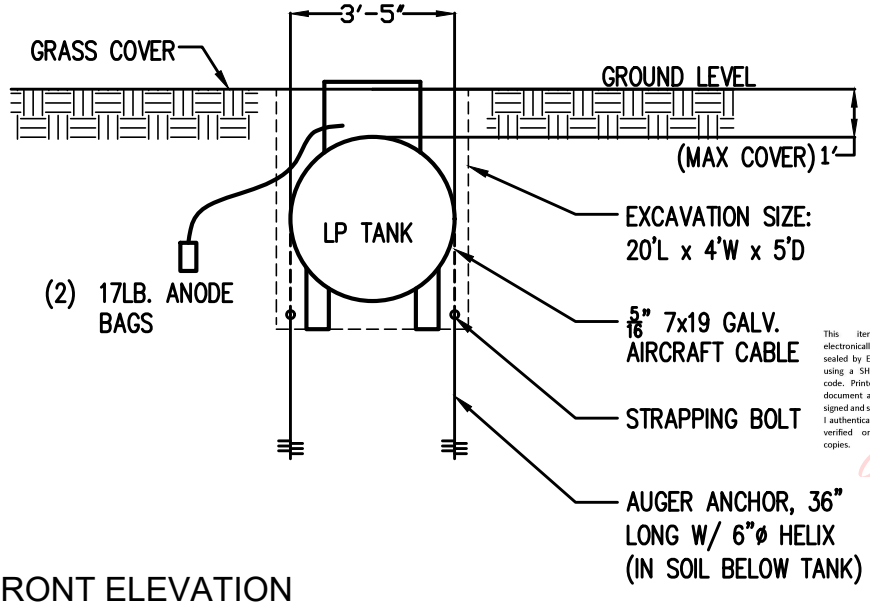
FORCE ON $\frac{5}{16}$" CABLE = 6591 / 4 = 1648 LBS
TENSILE STRENGTH OF $\frac{5}{16}$" CABLE = 9,800 LBS / 5 = 1960 LBS

FORCE ON AUGER ANCHOR = 1648 / 2 = 824 LBS
MIN. PULL–OUT RESISTANCE OF AUGER ANCHOR = 1360 LBS



SIDE ELEVATION

SCALE 1/4" = 1'-0"



FRONT ELEVATION

SCALE 1/4" = 1'-0"

This item has been electronically signed and sealed by Eric J Svoboda, PE, using a SHA-1 authentication code. Printed copies of this document are not considered signed and sealed and the SHA-1 authentication code must be verified on any electronic copies.

Digitally signed by Eric Svoboda
Date: 2026.06.25 12:51:51 -04'00'
Adobe Acrobat version: 2026.001.21662

Palmdale Como Propane LLC

1701 Commerce Ave.
Vero Beach, FL 32960

LP TANK ANCHORING - 1000 GALLON

28020 EAST STATE ROAD 78
OKEECHOBEE, FL 34947

Fort Pierce Engineering, Inc.
Dependable Mechanical, Electrical & Plumbing Design
C.A. No. 28173

315 South 7th Street
Fort Pierce, FL. 34950
Phone: 772 672-4636
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ERIC J SVOBODA LICENSE No. 60982 STATE OF FLORIDA PROFESSIONAL ENGINEER

Eric J. Svoboda, PE
P.E. No. 60982

ISSUE DATE: 6-25-26

DRAWN: EJS
APPROVED: EJS

DRAWING NUMBER

T-1

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