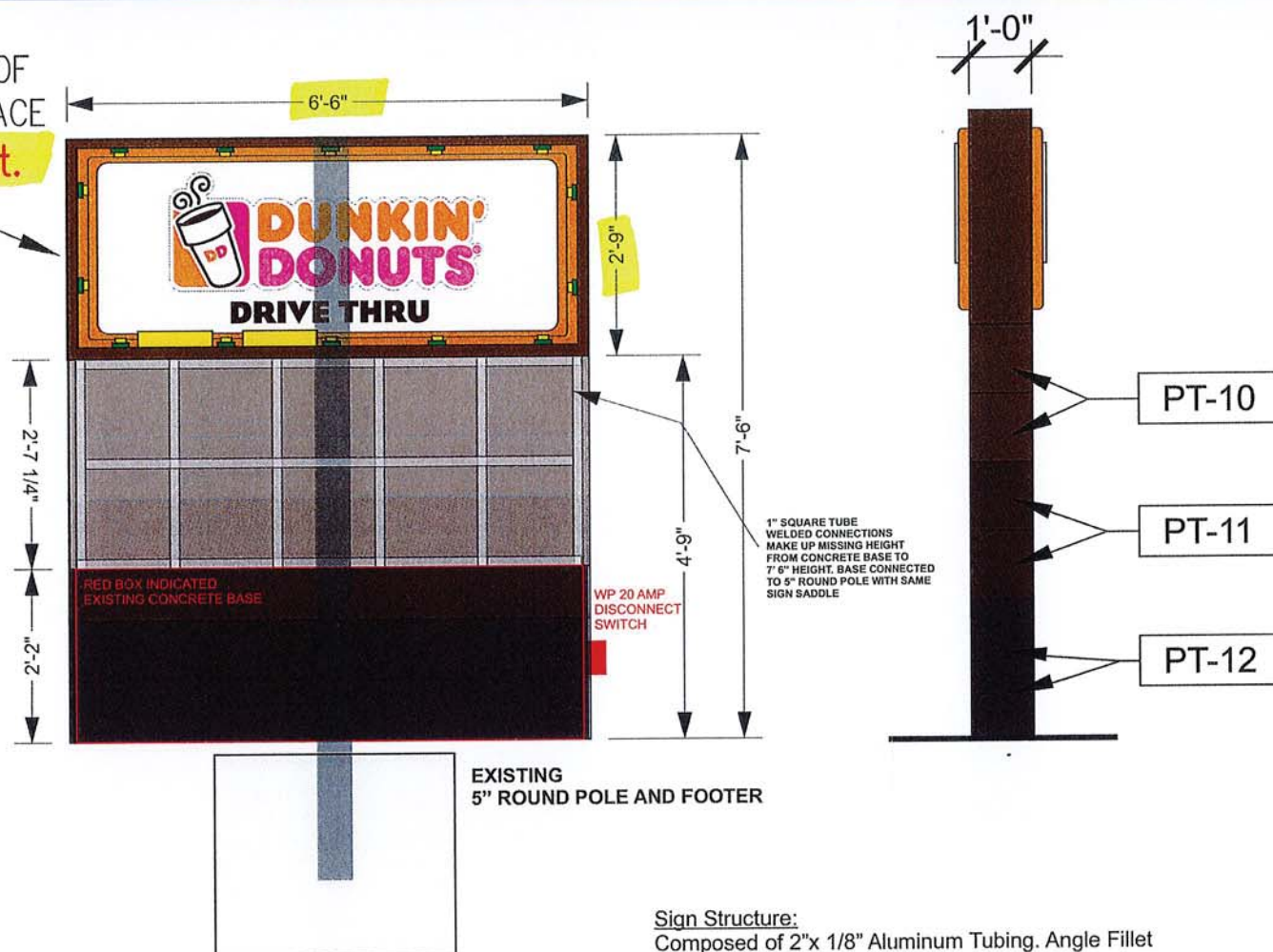


F MONUMENT SIGN



SEE EL-2
FOR
EXTERIOR
PAINT
SCHEDULE

AREA OF
SIGN FACE
18sq.ft.



Sign Structure:
Composed of 2"x 1/8" Aluminum Tubing. Angle Fillet welded Connections. Sign Cabinet is constructed with 8" x 1/8" Aluminum Sign Extrusion at various lengths.

Base to be mounted with 1/2" PVC attached with self tapping #10 -3/16" Countersunk Screws 28" OC and to concrete with counter sunk tapcons

Sign Mounting: Sign to be mounted to one (1) 5" x 5" x 3/8" Round Steel poles. Embedded in existing Concrete footers. Sign attached to poles by 2" Steel Saddles. Saddles are bolted to structure with 3/8" Bolts. Pole is welded to saddle.

Illumination: Sign to be illuminated by Hanley Wide angle LED Diodes



SOIL STATEMENT
Visual inspection indicates 2,000 P.S.F. for which footings are designed. If a bearing capacity of less than 2,000 P.S.F. is encountered at site, the engineer should be notified before proceeding with work.

STRUCTURE SQUARE FOOTAGE: 48.2
SIGN SQUARE FOOTAGE: 24.5



ENGINEER NOTES:

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 5TH EDITION (2014).
- DESIGN BASED ON ASCE 7-10 USING $V_{ult} = \text{MPH}$, $V_{asd} = \text{MPH}$ EXPOSURE 'C', RISK CATEGORY I, USING THE 'SOLID FREESTANDING WALLS AND SOLID FREESTANDING SIGNS METHOD'. 0% OPEN USED IN CALCULATIONS. ($V_{asd} = V_{ult} \cdot \sqrt{0.6}$)
- ALL ALUMINUM POST MEMBERS SHALL BE ALUMINUM ALLOY TYPE 6063-T6 MIN.
- ALL STEEL POST MEMBERS SHALL BE A36 MIN.
- ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AND INCLUDE 0.18% BY VOLUME OF FIBER MESH ADDITIVE
- STEEL REINFORCEMENT: ALL REINFORCEMENT SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A615, GRADE 60 (U.N.O.), FREE FROM OIL, LOOSE SCALE AND RUST. REINFORCEMENT SHALL BE BENT, LAPPED, PLACED, SUPPORTED AND FASTENED ACCORDING TO THE "ACI DETAILING MANUAL" AND ACI 318. ALL STEEL SHALL BE SECURELY HELD IN PLACE DURING POURING OF CONCRETE. IF REQUIRED, ADDITIONAL BARS SHALL BE PROVIDED BY THE GENERAL CONTRACTOR TO FURNISH SUPPORT FOR ALL BARS. MINIMUM 3" EDGE DISTANCE FROM ANY CONCRETE FACE FOR ALL BARS UNLESS OTHERWISE NOTED IN THE DRAWING.
- INTEGRITY AND CERTIFICATION OF THE ATTACHMENT OF THE SIGN TO THE FRAMING SHALL BE BY THE MANUFACTURER
- SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- THIS DOCUMENT IS GENERIC AND DOES NOT PERTAIN TO ANY SPECIFIC PROJECT SITE. INFORMATION CONTAINED HEREIN IS BASED ON CONTRACTOR-SUPPLIED DATA AND MEASUREMENTS. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN. WORK SHALL BE FIELD VERIFIED BY OTHERS PRIOR TO CONSTRUCTION. ENGINEERING EXPRESS SHALL BE NOTIFIED AND GIVEN AN OPPORTUNITY TO REEVALUATE OUR WORK UPON DISCOVERY OF ANY INACCURATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS. ALTERATIONS OR ADDITIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

LED CABINET ELECTRICAL NOTES

Primary wire size - #12 THWN
Disconnect switch - at base of sign, 20 amp single pole, Astronomical time-clock at panel room with Photocell.
Maximum load - 16 amps 120 volts per circuit maximum circuit size 20 amps per NEC 600-6A
Power supply: 120v-277 Multi Volt 60W 12v DC
Illumination: Hanley Wide angle LED Diodes
Conduit - minimum 1/2"
Total sign load - 12 amps 120 volts
Total sign circuits - 1

All components shall be U.L. approved
Ballasts shall have independent U.L. approval (fused where required)
All installations shall be in compliance with N.E.C. and state, county, or local codes
All signs shall be bonded to building equipment bonding conductor per N.E.C. 250

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CUSTOMER:
DUNKIN DONUTS
722 US-1
TEQUESTA, FL 33469

SALES PERSON:

DRAWN BY: RYAN PARENTE
SCALE: AS NOTED

DATE DRAWN:
09.01.17



REVISION:

#1 00.00.00
#1 00.00.00
#1 00.00.00

CUSTOMER APPROVAL:

☒

DATE:

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