SOLAR PANEL AFFIXED PER MANUFACTURER SPECIFICATIONS FOR TOP OF POLE AND BRACKET, ADJUSTABLE ANGLE OF 45° TO 60° VERTICALLY AND ABILITY TO ROTATE 360°

TOP OR SIDE POST MOUNT PER MANUFACTURER’S SPECIFICATIONS

W11-2 OR S1-1 SIGN: 30" X 30" FOR POSTED SPEED ≤ 30 MPH 36" X 36" FOR POSTED SPEED ≥ 35 MPH

RAPID FLASHING BEACON (RFB) CARMANAH R-920E

W16-7P (24" X 12") SIGN

ADA COMPLIANT PUSH BUTTON PER CA MUTCD STANDARDS AND SIGN R10-25

NOTES
1. RAPID FLASHING BEACON SYSTEM ON GALVANIZED PERFORATED SQUARE POLE IS AN ALTERNATIVE INSTALLATION SUBJECT TO CITY APPROVAL.
2. ALL CONCRETE SHALL BE 2500 PSI MIN.
3. PIER DEPTH SHOWN IS MIN. FROM FINISH GRADE.
4. 13' POLE FOR POSTED SPEEDS OF LESS THAN OR EQUAL TO 30 MPH, 15' POLE FOR POSTED SPEEDS GREATER THAN OR EQUAL TO 35 MPH.

DESIGN PARAMETERS (PER CBC 2019):
- ALLOW SOIL BEARING = 1500 PSF
- PASSIVE PRESSURE = 150 PCF
- \( P_{\text{wind}} = 11.4 \times \text{[AREA OF SIGN]} \) - ASD LEVEL
- SEISMIC: \( S_{DS} = 1.325 \); \( \kappa = 1.0 \)

PERFORATED POLE IN CAST-IN-DRILLED-HOLE PIER

CITY OF NAPA PUBLIC WORKS DEPARTMENT

RAPID FLASHING BEACON SYSTEM & SQUARE POLE INSTALLATION