

ANTENNA POLE FOUNDATION 1
S1
3/4" = 1'-0"

STRUCTURAL SPECIFICATIONS

**SECTION 03300
CAST-IN-PLACE CONCRETE**

2.01 CONCRETE

CONCRETE SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 301 & 318 - CURRENT EDITION. CONCRETE SHALL BE READY-MIXED CONCRETE IN ACCORDANCE WITH ASTM C94. MAXIMUM WATER-CEMENT RATIO, BY WEIGHT SHALL BE 0.55

AT THE CONTRACTOR'S OPTION, AN AIR ENTRAINING AGENT CONFORMING TO THE LATEST REVISION OF ASTM SPECIFICATION C260 MAY BE ADDED TO THE CONCRETE TO PROVIDE SPECIFIED AMOUNTS OF ENTRAINED AIR. CEMENT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR PORTLAND CEMENT PER ASTM DESIGNATION C150, TYPE II.

CONCRETE ELEMENT	MIN. 28 DAY COMPRESSIVE STRENGTH	MAX. SIZE AGGREGATE (INCHES)	MAX. SLUMP (INCHES)	TOTAL AIR CONTENT (%)
FOOTINGS	2500	1 1/2	6-8	--

2.02 REINFORCING STEEL

BAR #4 AND LARGER SHALL BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A706. ALL OTHER BARS MAY BE GRADE 60 DEFORMED BARS CONFORMING TO ASTM A706 OR A615.

PROJECT DESCRIPTION

- ANTENNA POLE FOUNDATION

PROJECT DESIGN DATA

- PLANS AND CALCULATIONS FOR THE STRUCTURAL DESIGN WERE BASED UPON:
 - THE 2016 CALIFORNIA BUILDING CODE.
- DESIGN CRITERIA PER ASCE 7-10 ARE AS FOLLOWS:

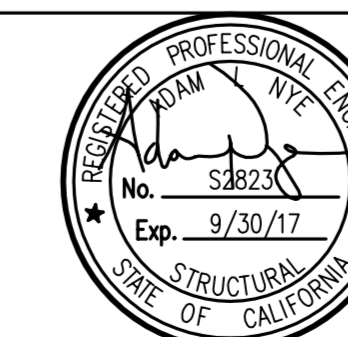
SEISMIC:	OCCUPANCY CATEGORY I
	SEISMIC IMPORTANCE FACTOR, I = 1.0
	SITE CLASS D
	S _s = 2.499 S _i = 1.201
	S _{ps} = 1.666 S _{ph} = 1.201
	SEISMIC DESIGN CATEGORY D
WIND:	EXPOSURE C
	BASIC WIND SPEED: 110 MPH

GENERAL NOTES

- GENERAL**
ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CURRENT GOVERNING EDITION OF THE CALIFORNIA BUILDING CODE.
- THE WEIGHT AND CONFIGURATION OF THE MOUNTING POLE AND ALL ATTACHMENTS SHALL BE VERIFIED BY THE CONTRACTOR. ANY CONFLICTS WITH INFORMATION SHOWN ON THESE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH WORK.

BIGGS CARDOSA ASSOCIATES INC
STRUCTURAL ENGINEERS

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engineers, inc.

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ANTENNA POLE INSTALLATION
410 PULLMAN ROAD

				CLIENT	DRAWN	DATE			
				TOWN OF HILLSBOROUGH	MLT	3/29/17			
					ENGR				
					ALN				
NO	DESCRIPTION	CHECKED	APPROVED	DATE	CHECKED	DBD	PROJECT NO	S1	REV. NO.
				APPROVED _____ DATE _____	APPROVED		2017087		
REVISIONS							SCALE	DO NOT SCALE DRAWING	SHEET 1 OF 1
							AS SHOWN		