

SHEET: A-1 OF 1

DESCRIPTION (EQUAL OR EXCEED)

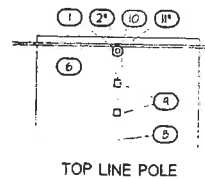
- 1 3/8" GALV. D.A. BOLT W/ NUT
2 R3X1/4XO-3" GALV. CURVE WASHER
3 3/8" GALV. THIMBLE NUT
4 3/8" POLE-TOP-DOWN GUY ATTACHMENT

- 5 3/8" ONE-HOLE GUY CLAMP
6 3/8" GALV. E.H.S. GUY WIRE
7 3/8" GALV. PRE-FORMED GUY GRIP
8 1/2" GALV. E.H.S. GUY WIRE

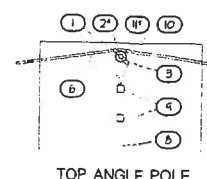
- 9 1/2" GALV. PRE-FORMED GUY GRIP
10 GALV. DOWN GUY ATTACHMENT
11 3/8" GALV. SPRING WASHER
12 3/8" GALV. END GUY

* INDICATES FAR SIDE

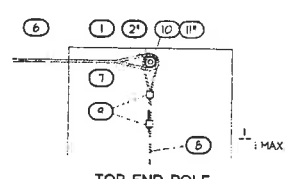
DETAIL A



TOP LINE POLE

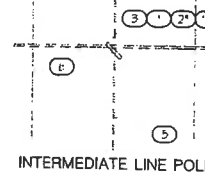


TOP ANGLE POLE

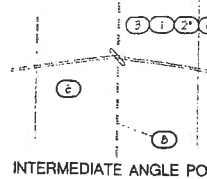


TOP END POLE

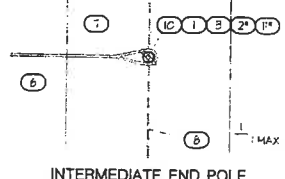
DETAIL B



INTERMEDIATE LINE POLE

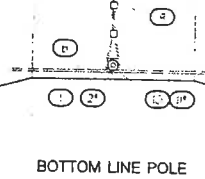


INTERMEDIATE ANGLE POLE

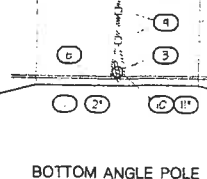


INTERMEDIATE END POLE

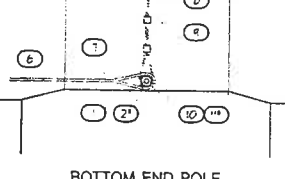
DETAIL C



BOTTOM LINE POLE

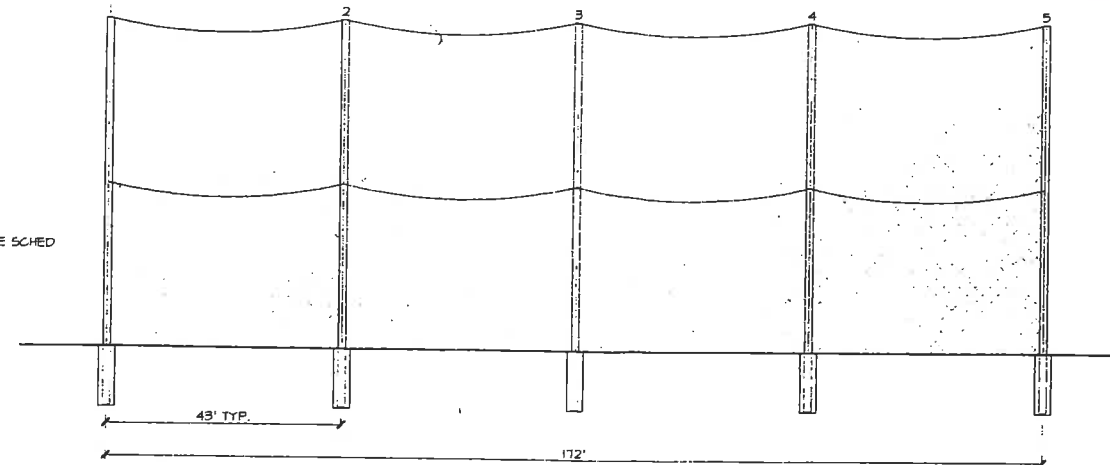
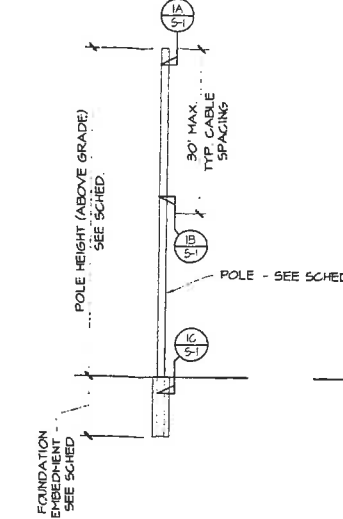


BOTTOM ANGLE POLE



BOTTOM END POLE

2 ELEVATION

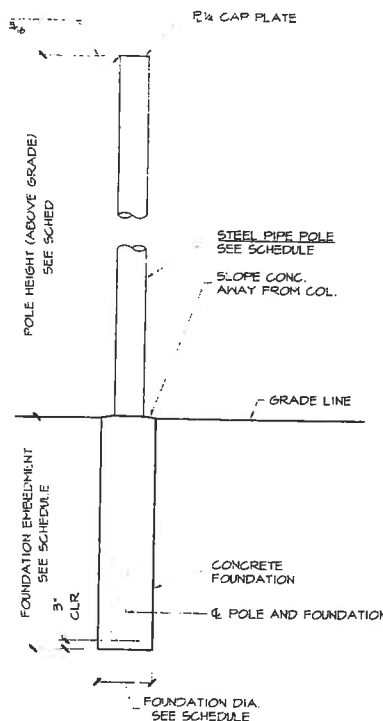


1/4" = 1'-0"

1 TYPICAL CABLE CONNECTION DETAILS

NO SCALE

POLE AND FOUNDATION SCHEDULE					
POLE HEIGHT ABOVE GRADE (FEET)	POLE SPACING (FEET)	POLE SIZE		FOUNDATION	
		DIAMETER (INCHES)	WALL THICKNESS (INCHES)	DIAMETER (INCHES)	EMBEDMENT (FEET)
43'	43'-0"	10'5"	24"	2'-0"	10'-0"



3 TYPICAL POLE & FOUNDATION SECTION

1/4" = 1'-0"

GENERAL NOTES

2001 CALIFORNIA BUILDING CODE GOVERNS DESIGN AND CONSTRUCTION. THESE GENERAL NOTES SHALL APPLY TO ALL SHEETS IN THIS SET OF PLANS.

SAFETY REGULATIONS - GENERAL SAFETY ORDERS ("OSHA") IS APPLICABLE TO THE CONSTRUCTION OF THIS PROJECT AND PROVISIONS THEREOF MUST BE FOLLOWED. ENGEL & COMPANY ENGINEERS IS NOT RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION, NOR FOR SAFETY ON THE JOBSITE. THESE RESPONSIBILITIES ARE INTENDED TO BE AND TO REMAIN SOLELY THOSE OF THE BUILDER.

ALL DIMENSIONS WHICH ARE DEPENDENT ON EXISTING CONDITIONS SHALL BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

FOUNDATION DESIGN IS BASED ON CBC TABLE NO. 18-I-A, CLASS 4 MATERIAL BEARING. FOUNDATIONS SHALL BE PLACED AT A DEPTH OF AT LEAST 12" INTO NATURAL UNDISTURBED SOIL OR COMPACTED (90% MIN.) FILL. MAXIMUM ALLOWABLE BEARING PRESSURE = 1500 PSF.

CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 2500 PSI MINIMUM IN 28 DAYS. USE NO MORE THAN 7.6 GAL. OF WATER PER SACK OF CEMENT. USE TYPE II CEMENT.

WELDING SHALL BE DONE BY A CERTIFIED WELDER USING THE SHIELDED ARC PROCESS AND E60 SERIES ELECTRODES. WELDS SHALL BE FULL SECTION, FULL PENETRATION AND SHALL DEVELOP THE FULL STRENGTH OF THE SMALLER OF THE PARTS JOINED UNLESS THE PLANS SHOW OTHERWISE. ALL SHOP WELDING SHALL BE DONE USING THE SHIELDED ELECTRIC ARC PROCESS BY CERTIFIED WELDERS USING APPROVED ELECTRODES. NO FIELD WELDING WITHOUT SPECIAL INSPECTION. ALL WELDS DESIGNED AT 50K ALLOWABLE STRESS. ALL WELDING PER AWS D1.1, USE E6018 ELECTRODES. NO FIELD WELDING IS EXPECTED TO BE PART OF THIS PROJECT.

STRUCTURAL STEEL - ALL PLATES AND SHAPES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A36. PIPE SHALL BE DUAL CERTIFIED API 5L X65 (65 KSI MIN. YIELD) AND ASTM 572 GRADE 65 BOLTS SHALL BE ASTM A307 UNLESS THE PLANS SHOW OTHERWISE. BOLT HOLES SHALL BE 1/16" LARGER IN DIAMETER THAN THE BOLT. ALL PIPE SHALL BE NEW. NO USED PIPE IS ALLOWED FOR USE ON THIS PROJECT.

GENERAL CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, TEMPORARY STRUCTURES, AND PARTIALLY COMPLETED PORTIONS OF THE WORK.

CABLE AND WIRE ROPE SHALL BE 5/16" CABLE TO BE 1 X 7 GALV. STEEL STRAND CABLE MIN. BREAKING STRENGTH 11,200 LBS. ALL 1/4" INCH CABLE TO BE 1 X 7 GALV. STEEL STRAND CABLE MIN. BREAKING STRENGTH 6,650 LBS. CABLE USED IS TO BE EQUAL TO OR EXCEED CABLE LISTED ABOVE.

WIRE ROPE FITTINGS SHALL DEVELOP THE BREAK STRENGTH OF THE CABLE PER THE MANUFACTURER (CROSSBY OR EQUAL).

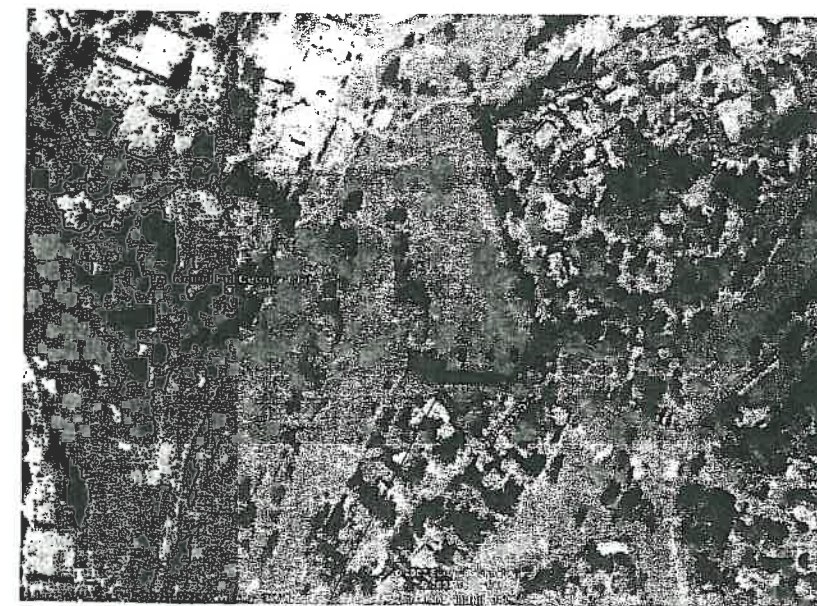
NETTING AND ITS ATTACHMENT IS BY OTHERS. NET SHALL HAVE NO MORE THAN 8% OF EQUIVALENT SOLID WIND DRAG.

PAINT SHALL BE BLACK "STRYK 5388" ANTI-CORROSION COATING SYSTEM, 3-COAT PROCESS.

ENGEL & COMPANY IS NOT RESPONSIBLE FOR ONSITE INSPECTION TO ASSURE COMPLIANCE WITH MATERIALS AND/OR WORKMANSHIP SPECIFIED HEREIN. ENGEL & COMPANY IS NOT RESPONSIBLE FOR ANY CHANGES IN THE PLANS OR SPECIFICATIONS UNLESS APPROVAL IS AUTHORIZED IN WRITING. WORKMANSHIP IS TO BE OF THE HIGHEST QUALITY AND IN ALL CASES TO FOLLOW ACCEPTED CONSTRUCTION PRACTICES AND CITY/COUNTY STANDARDS. PLEASE REVIEW ALL PLANS AND SPECS PRIOR TO CONSTRUCTION.



FFR 0 8 2008



PROPOSED NETTING SUPPORT POLES 43' HIGH AT 43'-0" O.C. 172' TOTAL LENGTH



VICINITY MAP

THESE PLANS PROVIDE THE APPROXIMATE LOCATIONS OF THE PROPOSED NETTING SUPPORT POLES. THESE PLANS WERE PREPARED BY OTHERS AND PROVIDED BY THE OWNER FOR THIS USE. EXACT POLE LOCATIONS SHALL BE VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.

JUDGE NETTING
220 East 19th Street
Costa Mesa, California
(800) 955-6788

coastal
2933 Sixteenth Street
Bakersfield, California
(661) 631-1582

2/08	43' POLE SPACING
10/07	REVISIONS
DATE	ISSUED FOR

ENGEL & COMPANY
Engineers
4009 UNION AVENUE
BAKERSFIELD, CA 93305
www.engelengineers.com (661) 327-7025

DATE	1/28/07
DRAWN	J.C.E.
CHECKED	J.C.E.
APPROVED	

NETTING SUPPORT POLES & FOUNDATION
ROUNDHILL COUNTRY CLUB
3169 ROUNDHILL ROAD
ALAMO, CALIFORNIA 94507