

MATERIAL LIST

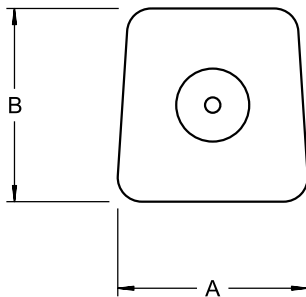
- ① ANODE LEAD WIRE #12 AWG STR COPPER WIRE W/WHITE THWN INSUL.
- ② SECURE WITH TIE WIRE
- ③ SILVER SOLDERED CONNECTION
- ④ EPOXY
- ⑤ MAGNESIUM ALLOY INGOT (SEE ALLOY SPECIFICATIONS)
- ⑥ GALV. STEEL CORE
- ⑦ CLOTH BAG
- ⑧ BACKFILL (SEE BACKFILL COMPOSITION)

STD. POTENTIAL ALLOY MAGNESIUM SPECIFICATIONS

ELEMENT	AMOUNT BY WT.
AL	5.3 - 6.7%
Zn	2.5% - 3.5%
Mn	0.15% TO 0.70%
Cu	0.02% Max
Ni	0.002% Max
Fe	0.003% Max
OTHER	0.30% Max
Mg	REMAINDER

BACKFILL COMPOSITION

75% GYPSUM
 20% BENTONITE
 5% SODIUM SULPHATE



Anode Size	Bare Weight	Pkg Weight	Bare			Packaged	
			A	B	C	D	E
17D3	17	45	4"	3-1/2"	25-1/2"	6-1/2"	29"
20D2	20	70	2-3/4"	2-3/4"	56-3/4"	6-1/2"	62"
32D5	32	70	6"	5-3/4"	21"	8-1/2"	28"
48D5	48	105	5-3/4"	5-3/4"	30-1/2"	7-3/4"	38"
60D4	60	126	4-1/2"	4-1/2"	60-1/2"	7"	64"

NOTES:

- IF THE SACRIFICIAL ANODE IS SHIPPED IN A PLASTIC BAG, REMOVE IT BEFORE BURYING IT. DO NOT REMOVE THE CLOTH OR PAPER BAG WHICH CONTAINS THE PACKAGED BACKFILL.
- ANODES SHALL BE INSTALLED IN 10" DIA. X 12 FT. DEEP AUGERED HOLES.
- SOAK ANODES FOR A MINIMUM OF 20 MINUTES WITH WATER BEFORE BACKFILLING HOLE. ADD WATER AS NECESSARY TO KEEP THE ANODE COMPLETELY COVERED DURING THE SOAKING PERIOD.

REVISION	BY	APPROVED	DATE
ORIGINAL	EF	J. NAGELVOORT	10/19

CITY OF SAN DIEGO - STANDARD DRAWING

**STANDARD POTENTIAL
MAGNESIUM ANODE**

RECOMMENDED BY THE CITY OF SAN DIEGO STANDARDS COMMITTEE

Chungpa 10/10/19
 COORDINATOR R.C.E. 56523 DATE

DRAWING NUMBER **SDW-133**