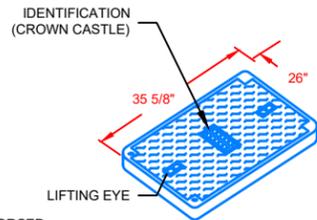


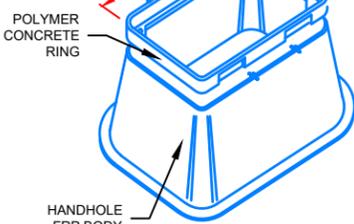
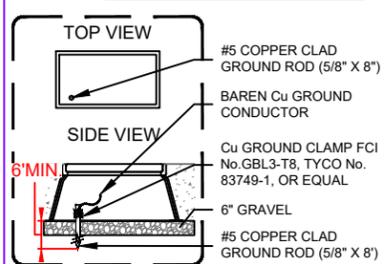
HANDHOLE DETAIL (FLUSH MOUNT)

COVER FEATURES:
 * PW - 10,400 LBS. WHEEL LOAD ON 10" X 10" PLATE.
 * APPROX. WT. = 72 LBS.
 * POLYMER CONCRETE
 * ONE PIECE COVER
 * FOUR BOLT DOWN
 * COLOR: CONCRETE GREY
 * NON - SKID SURFACE
 * LID TO HAVE H-20 TRAFFIC LOAD FRICTION COEFFICIENT TO BE 0.5 OR MORE



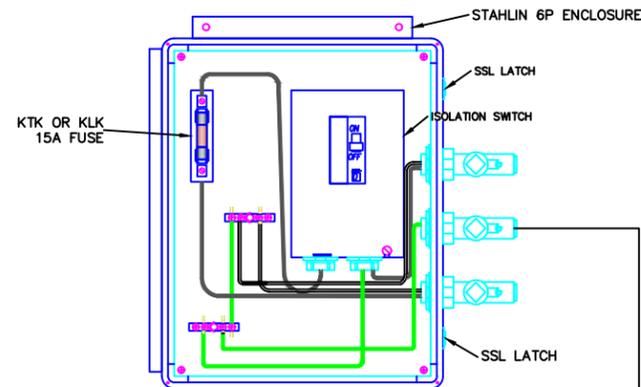
HANDHOLE FEATURES:
 * POLYMER CONCRETE RING AND FIBERGLASS REINFORCED POLYMER BODY
 * COLOR OF RING: CONCRETE GREY
 * APPROX. WT. = 123 LBS.

GROUND ROD INSTALLATION

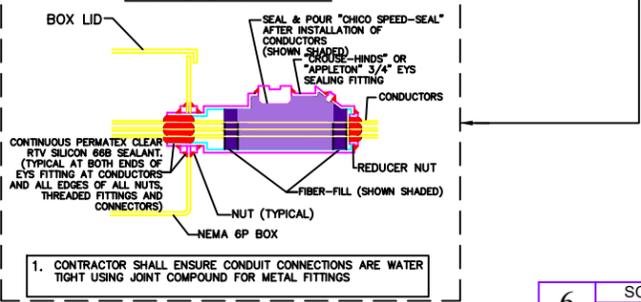


5 SCALE N.T.S.

WTR FUSE BOX (FOR NEW POLES & STREET LIGHTS)



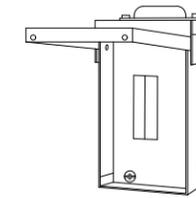
EYS SEALING FITTING



1. CONTRACTOR SHALL ENSURE CONDUIT CONNECTIONS ARE WATER TIGHT USING JOINT COMPOUND FOR METAL FITTINGS

6 SCALE N.T.S.

SQUARE D BY SCHNEIDER ELECTRIC LOAD CENTER, 70A (MODEL #QO24L70RB)



TECHNICAL CHARACTERISTICS

AMPERE RATING	70A
MAXIMUM SINGLE POLE CIRCUITS	4
WIDTH	4.88 INCHES
APPLICATION	DESIGNED TO MEET RESIDENTIAL, COMMERCIAL AND INDUSTRIAL REQUIREMENTS TO PROTECT ELECTRICAL SYSTEMS, EQUIPMENT AND PEOPLE.
SPACES	2
WIRE SIZE	#12 TO 3 AWG(AL) - #14 TO 4 AWG(CU)
VOLTAGE RATING	120/240VAC
WIRING CONFIGURATION	3-WIRE
PHASE	1-PHASE
DEPTH	4.00 INCHES
HEIGHT	9.38 INCHES
BUS MATERIAL	TIN PLATED ALUMINUM
COVER TYPE	1100CT9901
CATALOG REFERENCE NUMBER	OUTDOOR/RAINPROOF
ENCLOSURE TYPE	NEMA 3R
ENCLOSURE RATING	ORDER SEPARATELY
GROUNDING BAR	UL LISTED
APPROVALS	10KA
SHORT CIRCUIT CURRENT RATING	FIXED - FACTORY INSTALLED MAIN LUGS
MAIN TYPE	

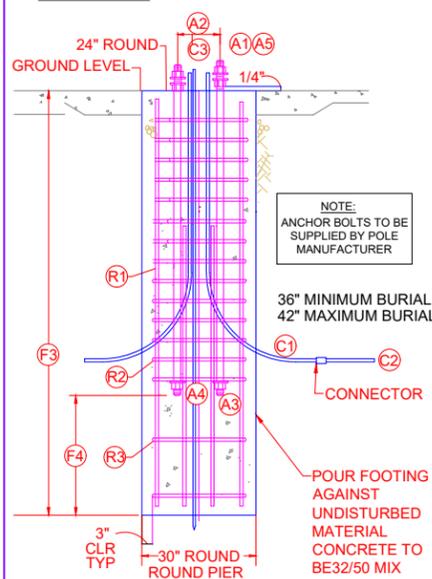
SHIPPING AND ORDERING

CATEGORY	00101 - LOAD CENTERS, 1 PHASE, NEMA1 & 3R, 2 - 8 CIRCUIT, TYPE QO
DISCOUNT SCHEDULE	3A
ARTICLE NUMBER	785901785132
PACKAGE QUANTITY	1
WEIGHT	5 LBS.
AVAILABILITY CODE	S
RETURNABILITY	Y

7 SCALE N.T.S.

GROUND ROD:
 GROUND ROD SHALL BE MINIMUM 0.625" DIA. x 9' LONG. COPPER CLAD. MINIMUM 3" EXPOSURE AT TOP OF FOUNDATION WITHIN BOLT CIRCLE.

NOT TO SCALE



NEW POLE FOUNDATION

ANCHOR BOLTS:
 A1 ANCHOR BOLTS SHALL BE 4-1" DIAMETER. AS GIVEN IN SPECIFICATIONS ASTM A449.
 A2 BOLT CIRCLE DIAMETER TO MATCH POLE BASEPLATE.
 A3 ANCHOR BOLTS SHALL HAVE HEADS, OR NUTS WITH THE THREADS STAKED AT TWO PLACES BELOW THE NUT, EMBEDDED IN FOUNDATION.
 A4 ANCHOR BOLTS SHALL BE EMBEDDED 33" MINIMUM, BELOW STREET GRADE (63" EMBEDMENT IN CONCRETE).
 A5 BOLT PROJECTION AS RECOMMENDED BY THE MANUFACTURER.

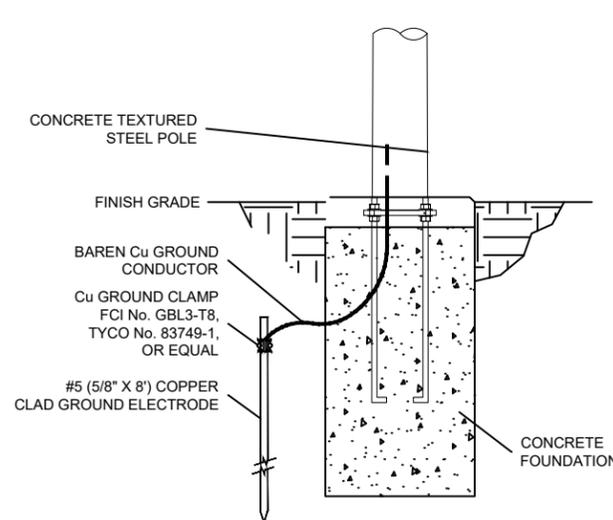
CONDUIT:
 C1 CONDUIT SHALL BE RIGID STEEL. GALVANIZED, INSIDE THE FOUNDATION, WITH 6" MINIMUM STUB-OUT.
 C2 SERVICE AND FEED CONDUITS SHALL BE RGS OR SCH 80 PVC, AS REQUIRED.
 C3 STUB UP TO WITHIN 4" FROM HAND HOLE.

REINFORCEMENT:
 R1 VERTICAL REBAR SHALL BE (7) #6 EQUALLY SPACED INSIDE OF HOOPS.
 R2 HOOPS SHALL BE #4 X 18" I.D., SPACED 4" O/C FROM TOP OF FOUNDATION TO END OF ANCHOR BOLTS.
 R3 HOOPS SHALL BE #4 X 18" I.D., SPACED 12" MIN. FROM THE ANCHOR BOLTS TO BOTTOM OF FOUNDATION.
 R4 ALL REBAR SHALL HAVE 3" MINIMUM COVERING.

F3 5' DEPTH
 F4 2' DEPTH

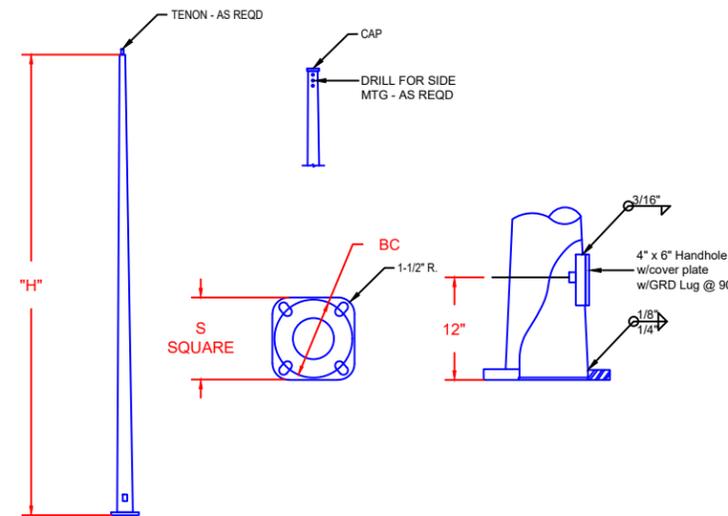
8 SCALE N.T.S.

GROUND ROD INSTALLATION FOR STEEL POLE TYPICAL SECTION: N.T.S.



9 SCALE N.T.S.

CST TAPERED STEEL POLE (CST SERIES)



Design Number	Mounting Height "H"	Dimensions				Maximum Loading	
		Bottom Dia.	Top Dia.	"S" Base Size	Bolt Circle	Max. Fix. Weight	100 MPH Proj. Area
CST-15	15'	5.0	3.0	10-1/2"	11"	3/4 x 24	300
CST-18	18'	6.4	3.5	10-1/2"	11"	3/4 x 36	450
CST-20	20'	6.4	3.5	10-1/2"	11"	3/4 x 36	450
CST-22	22'	7.1	3.8	10-1/2"	11"	3/4 x 36	450
CST-25	25'	7.1	3.7	10-1/2"	11"	1 x 36	450
CST-30	30'	8.1	3.8	11-1/2"	11"	1 x 36	450
CST-35	35'	8.5	3.6	11-1/2"	11-1/2"	1 x 36	450
CST-40	40'	9.1	3.3	13"	13"	1 x 36	450

10 SCALE N.T.S.

ASG64m1

PHASE II
 CROWN CASTLE PROJECT NO.
 242727



200 SPECTRUM CENTER DR 18TH FLOOR
 IRVINE, CA 92618
 www.crowncastle.com

PREPARED BY:



5841 EDISON PLACE, SUITE 200
 CARLSBAD, CA 92008
 PHONE: (760) 929-0910
 FAX: (760) 929-0936

PROPRIETARY INFORMATION

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 LEAST TWO
 DAYS BEFORE
 YOU DIG
 UNDERGROUND SERVICE ALERT
 TICKET # _____

REVISION / ISSUE	DATE
MOVED WTR INTO STREET	09/14/17
CLIENT REDLINES	09/20/17
CLIENT REDLINES, REPLACE 4' X 6' VAULT WITH GISH CABINET	02/02/18
CLIENT REDLINES	04/03/18

SITE NAME & ADDRESS:
 ASG64m1
 S/O 30150 PALOS VERDES DR W.
 RANCHO PALOS VERDES, CA

DETAILS & NOTES

DRAWN BY: B.W. DRAFT DATE: 02/09/18 APPROVED BY: C.J.

SHEET NO. D-4

