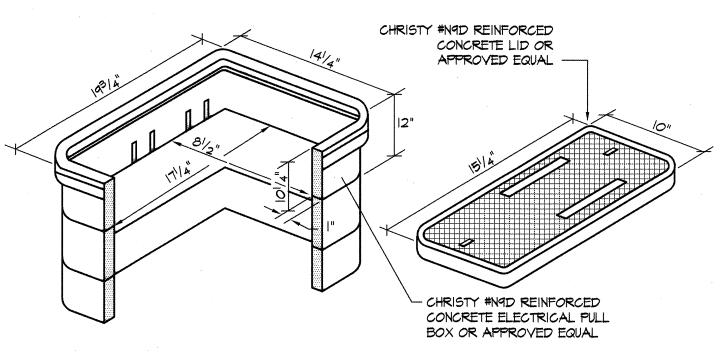
I. COORDINATE TRENCH CONDUIT LAYOUT WITH OTHER CONDUIT SYSTEMS.

TYPICAL TRENCH DETAIL

NOT TO SCALE



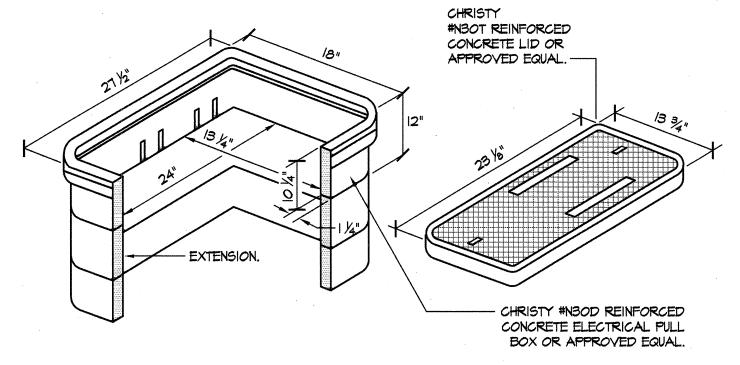
A HIGH DENSITY REINFORCED CONCRETE PULL AND JUNCTION BOX WITH END AND SIDE KNOCKOUTS. NON-SETTLING SHOULDERS MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS

PROVIDE MINIMUM OF 6" CRUSHED ROCK AT BOTTOM OF BOX FOR

ALL CONDUITS SHALL ENTER FROM SIDES OF PULL BOX. CONTRACTOR SHALL PROVIDE PULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE PULL BOX.



NOT TO SCALE



NOTE:
A HIGH DENSITY REINFORCED CONCRETE PULL AND JUNCTION BOX WITH END AND SIDE KNOCKOUTS. NON-SETTLING SHOULDERS MAINTAIN GRADE AND FACILITATE BACK FILLING. APPROXIMATE DIMENSIONS

PROVIDE MINIMUM OF 6" CRUSHED ROCK AT BOTTOM OF BOX FOR DRAINAGE.

ALL CONDUITS SHALL ENTER FROM SIDES OF PULL BOX. CONTRACTOR SHALL PROVIDE PULL BOX EXTENSION AS REQUIRED. NO CONDUITS SHALL BE ALLOWED FROM THE BOTTOM OF THE PULL BOX.

N30 ELECTRICAL PULLBOX

NOT TO SCALE

EXISTING BLDG -UNISTRUT BRACKET UNISTRUT CHANNEL. GALVANIZED RIGID STEEL CONDUIT TAPE MIN. 12" AFG. MINIMUM DEPTH PER NEC TABLE 300-5. SCHEDULE 40 PVC. NOTE: I. FOR WOOD STUD WALL: USE 3/8" LAG BOLT WITH MIN. 3/4" EMBEDMENT INTO STUDS. (ONE AT EACH END OF BRACKET)

2. FOR CONCRETE WALL:

E4.1 NOT TO SCALE

UNDERGROUND CONDUIT RISER DETAIL

BRACKET).

USE 3/8" WEDGE ANCHOR WITH MIN.

2-1/2" EMBEDMENT INTO CONCRETE

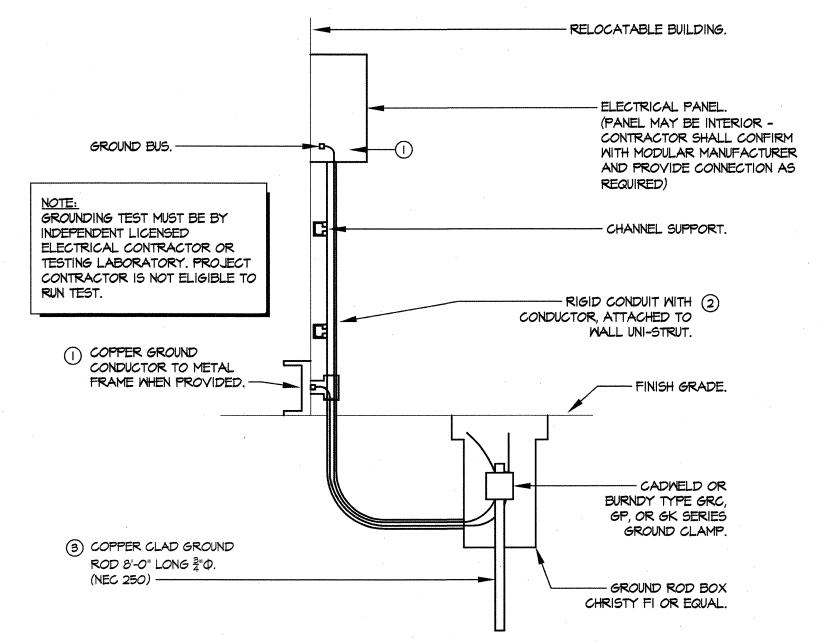
WALL. (ONE AT EACH END OF

- CORE BORE HOLE TO BE 2" LARGER THAN CONDUIT DIA PASSING THRU WALL. EXTERIOR WALL. GE NON-HARDENING, -ESCUTCHEON PLATE, BOTH SIDES NON-SHRINKING SILICONE OF WALL, TYPICAL. SEALER OR EQUAL -LB CONDUIT BODY .-CONDUIT, SEE PLANS FOR TYPE AND SIZE. UNISTRUT BRACKET. -FILL YOID AROUND CONDUIT ONE INCH APPLICATION OF FIRE BARRIER MATERIAL UNISTRUT CHANNEL. COMPLETELY AROUND CONDUIT, PER U.L. AND ASTM REQUIREMENTS. CONDUIT, SEE PLANS FOR TYPE AND SIZE. -T-BAR CEILING. -INTERIOR WALL. NOTE: PER U.L. FIRE RESISTANCE DIRECTORY

CONDUIT WALL PENETRATION DETAIL

SYSTEM WLIOO2

E4.1 / NOT TO SCALE



- SIZE OF CONDUCTORS SHALL COMPLY WITH NEC TABLE 250-66.
- 2) BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (NEC 250-50). IN ADDITION TO DETAIL ABOVE, BOND THE ELECTRICAL GROUND TO NEAREST METALLIC COLD WATER PIPE. (NEC 250-50)
- (3) CHECK RESISTANCE TO GROUND, IF RESISTANCE EXCEEDS 25 OHMS, INSTALL ADDITIONAL GROUND RODS AS REQUIRED. (NEC 250-56)
- 4 ALL MODULES OF METAL FRAME BUILDINGS (INCLUDING ALL STEEL RAMPS/HANDRAILS/ETC.) SHALL BE ELECTRICALLY BONDED TOGETHER (BOLTING ONLY IS NOT ACCEPTABLE BONDING.)

6 TYPICAL GROUND INSTALLATION



E4.1 NOT TO SCALE

VERDE DESIGN LANDSCAPE ARCHITECTURE CIVIL ENGINEERING SPORT PLANNING & DESIGN

> 2455 The Alameda Santa Clara, CA 95050

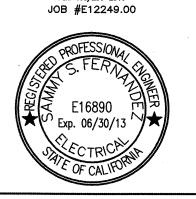
tel: 408.985.7200 fax: 408.985.7260 www.VerdeDesignInc.com



CONSULTANT



American Consulting Engineers Electrical, Inc.



SHEET TITLE

ELECTRICAL DETAILS

PROJECT NAME

CANADA COLLEGE TENNIS FACILITY **IMPROVEMENTS**

PROJECT ADDRESS

4200 FARM HILL BLVD REDWOOD CITY, CA 94061

SUBMITTAL			DAT
90%			07/30
BID SI	UBMITTAL		08/21
ADDENDUM ONE			08/31
CONFORM SET			09/24
NO.	REVISIONS		DAT
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DRAWN BY		CHECKED BY	
MM		SF	
DATE ISSUED		SCALE	
00/01/10		ACMOTED	

AS NOTED

1207300-1281

33 OF 39 SHEETS