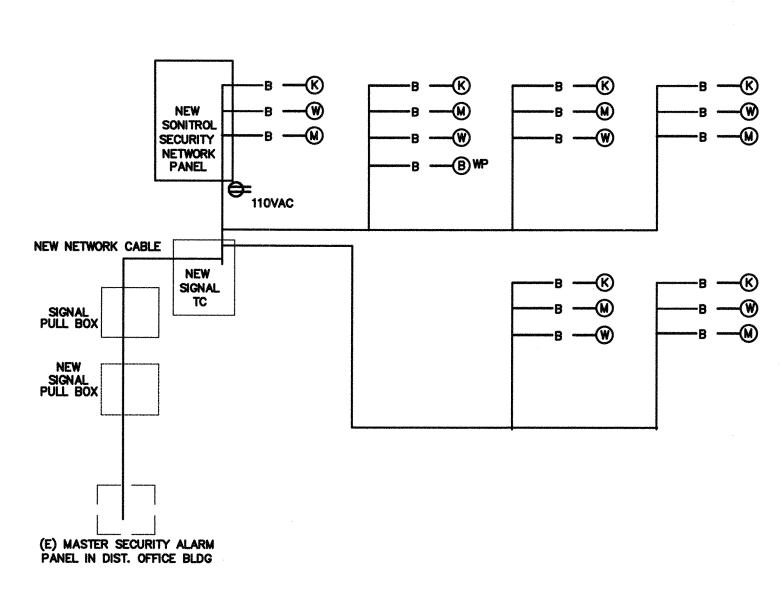


CONDUIT SUPPORT DETAIL

N.T.S



SECURITY ALARM SYSTEM RISER DIAGRAM

FINISHED GRADE -

TYPICAL EXTENSION

QUANTITY AS REQ'D

- 2" THICK CONCRETE

SLURRY FLOOR

6" COARSE

GRAVEL SUMP

PANEL BONDED TO

SIZE OF CONDUCTORS SHALL COMPLY WITH 2013 CEC TABLE 250-66.

10 FT. IN SOIL IF AVAILABLE (CEC 250-50, 250-82).

5. FIELD INSPECTOR SHALL WITNESS GROUNDING TEST.

GROUNDING DETAIL

ACCEPTABLE BONDING).

2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO

3. ALL MADE OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER,

ADDITIONAL GROUND RODS WITH CONDUCTORS AS SHOWN SEPARATED AT LEAST

6'-0" UNTIL RESISTANCE IS REDUCED TO 25 OHMS OR LESS (2013 CEC 250-84).

BOND TO HAND RAIL AND WATER PIPE IF APPLIED. (BOLTING ONLY IS NOT

CHECK RESISTANCE TO GROUND. IF RESISTANCE EXCEED 25 OHMS, INSTALL

METAL BUILDING FRAME PER 2013 CEC 250-50. IN ADDITION TO THE DETAIL SHOWN ABOVE BOND THE ELECTRICAL GROUND TO METAL WATER PIPE EMBEDDED AT LEAST

GROUND CONDUCTOR

N.T.S

RIGID CONDUIT WITH #4 STRAND CU

TEE CONDUIT FOR SEPARATE
CONDUCTOR GROUND BONDED
TO METAL BUILDING FRAME &
WATER AND GAS PIPE IF APPLIED

-3/4" øx10' -0" LONG COPPER CLAD GROUND ROD OR OTHER ELECTRODE AS SPECIFIED IN 2013 CEC 250-83. PROVIDE GROUND CLAMP AND GROUND ROD BOX.

20 FT OF 1/20 REBAR OR #4
BARE COPPER ENCASED BY
- AT LEAST 2 INCHES OF
CONCRETE

N.T.S

ATTACHED TO WALL WITH

2-HOLE STRAPS

1/2"ø PVC DRAIN PIPE

ELECTRICAL

PANEL

CONCRETE FOUNDATION

BY DEPTH. (MIN. ONE)

1 1/2"-

CONCRETE MOW STRIP 3" THICK 8" WIDE AROUND PULL BOX

N.T.S

50 PAIR PUNCH DOWN BLOCK NEW 25 PAIR CABLE (E) MASTER PA/IC/TELE

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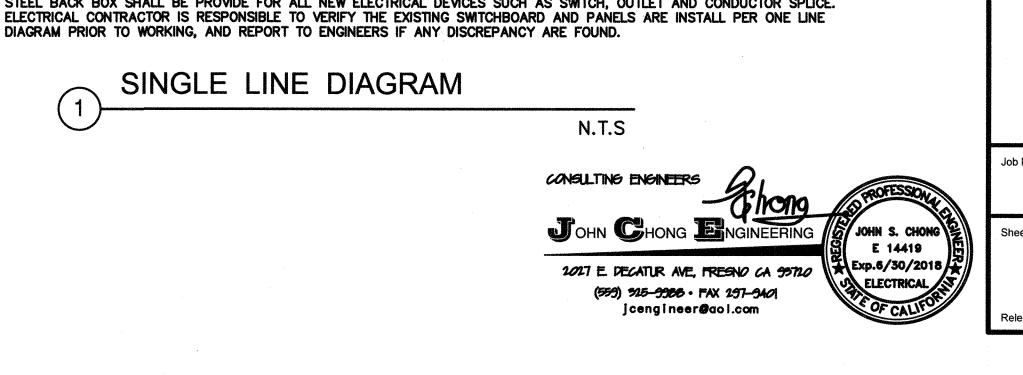
PA/IC/TELE SYSTEM RISER DIAGRAM

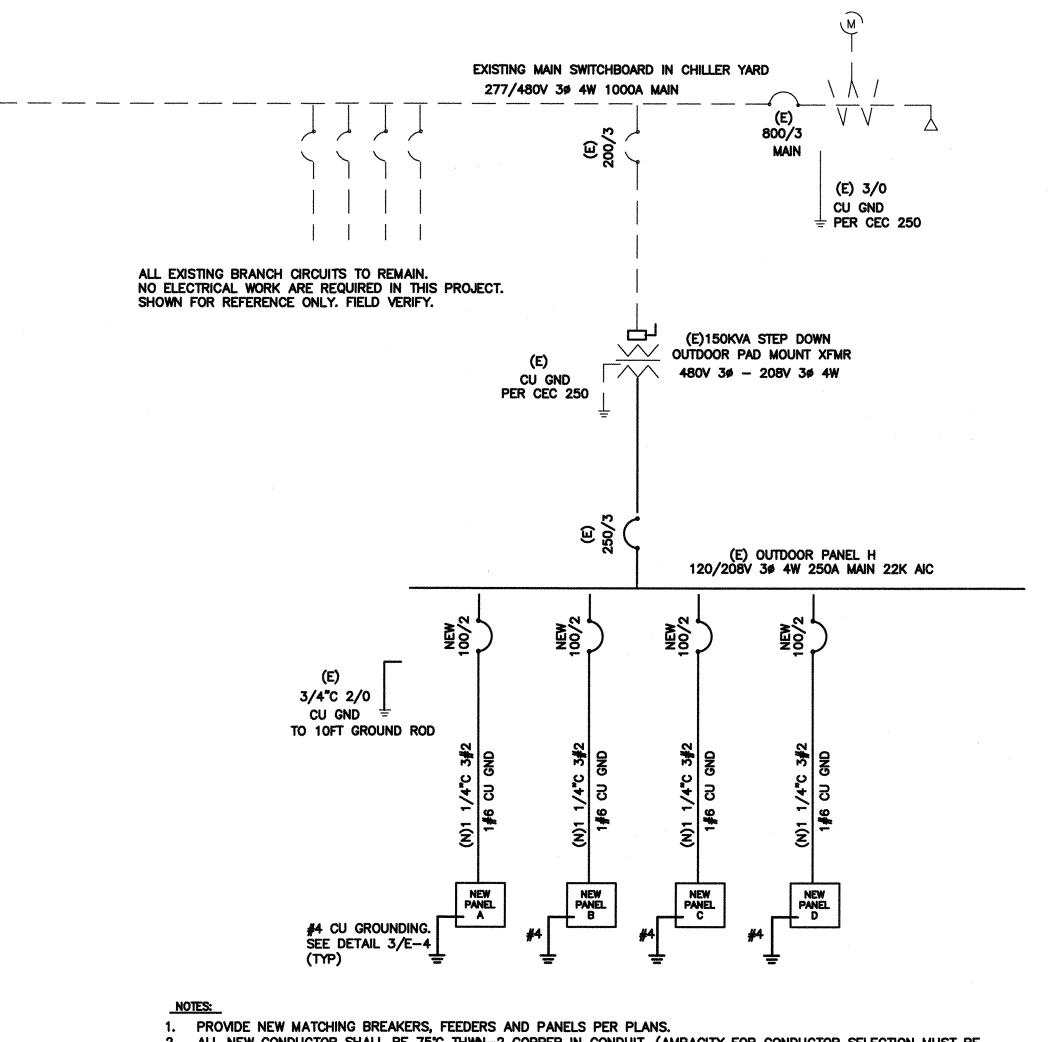
IN DIST. OFFICE BLDG

N.T.S

- DETERMINED/DERATED BY THE ALLOWED TERMINATION RATINGS MARKED/APPROVED ON EACH DEVICES, MOTOR, APPLIANCE, XFMR O.C.P.C. PANEL, ETC. CONDUCTORS INSTALLED IN U.G OR WET LOCATIONS SHALL BE MARKER 'W'. PER 2013 CEC 110-14(C)(1).)
 3. ALL WRING OVER 100 VOLT SHALL BE INSTALLED IN RACEWAY CONDUIT, EMT ABOVE GRADE, PVC SCH. 40 BELOW GRAD AND STEEL
- STEEL BACK BOX SHALL BE PROVIDE FOR ALL NEW ELECTRICAL DEVICES SUCH AS SWITCH, OUTLET AND CONDUCTOR SPLICE. ELECTRICAL CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING SWITCHBOARD AND PANELS ARE INSTALL PER ONE LINE







2. ALL NEW CONDUCTOR SHALL BE 75°C THWN-2 COPPER IN CONDUIT. (AMPACITY FOR CONDUCTOR SELECTION MUST BE

CONDUIT ON EXPOSE SURFACE BELOW 8' AFF. FOR PHYSICAL PROTECTION.

SINGLE LINE DIAGRAM