

CUSTOMER CONTACT: INGLEWOOD UNIFIED SCHOOL DISTRICT

LEGAL CONTACT: SIDDHANT BHATTA

CONTACT: (661) 993-1427

SCE INSPECTOR: SALVADOR GARCIA

CONTACT: (424) 319-4437

PLANNER: KYLE STANFORD

CONTACT: (310) 365-0792

CITY OF INGLEWOOD

2SK-COMM/INDUST LINE EXT UG

RYAN 16KV O/O LENNOX SUB

JOB SCOPE: INSTALL NEW PAD MOUNT XFMR- NEW 800A PANEL UG

CREW AND CUSTOMER
TD2310369-LINE EXTENSION

CONSTRUCTION NOTES:

UNLESS OTHERWISE SPECIFIED ON THE WORKING DRAWINGS WHICH FORM A PART OF THE SPECIFICATION, THE CONTRACTOR/DEVELOPER SHALL FURNISH THE FOLLOWING ITEMS AT NO COST TO THE EDISON COMPANY.

SOUTHERN CALIFORNIA EDISON COMPANY HAS ATTEMPTED TO CORRECTLY SHOW ALL EXISTING UTILITIES AND SUBSTRUCTURES IN THE VICINITY OF THE WORK, BUT DOES NOT GUARANTEE THERE ARE NO OTHER SUBSTRUCTURES IN THE AREA. FAILURE OF SIZE TO SHOW ALL SUBSTRUCTURES IN THEIR CORRECT LOCATION WILL NOT BE A BASIS FOR A CLAIM FOR EXTRA WORK, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DAMAGES TO SUBSTRUCTURES WHETHER SHOWN OR NOT.

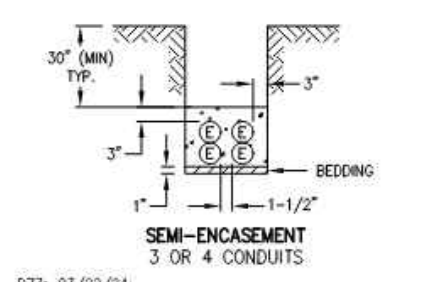
- FOR GENERAL SPECIFICATIONS SEE UG G 001.
- CONCRETE:
 - MINIMUM COVER IN STREET OR PARKWAY IS 3" BELOW GUTTER GRADE, UNLESS NOTED OTHERWISE.
 - MINIMUM COVER ON PRIVATE PROPERTY IS 3" BELOW FINISHED GRADE, UNLESS NOTED OTHERWISE.
 - CONTRACTOR IS TO FURNISH AND INSTALL APPROVED CONDUIT TO EDISON SPECIFICATIONS PER UG CD 100.1, 110 AND 120.
 - FOR THE TYPE OF CONDUIT FOR THIS JOB, SEE UG CD 110.1.
 - INSTALL ALL RISERS PER UG CD 100.1, 110, 112 AND 120.
 - CAP ALL MAINLINE CONDUITS PER UG CD 140 AND SERVICE CONDUITS PER UG CD 050.
 - INSTALL BLANK CONDUIT PLUGS IN ALL CONDUITS TERMINATING INTO VALVES, MANHOLES, PUMPS, SLOTS & ALL CAP LOCATIONS, PER UG CD 100.1 & UG CD 100.2.
 - INSTALL FULL RISE IN ALL CONDUIT RUNS. PULL ROPE TO BE AT LEAST 3/8" POLYPROPYLENE ROPE, BRAIDED OR TWISTED, FOR SPECIFICATIONS, APPROVED MAKES, AND SUPPLIERS. SEE UG G 040.
 - ALL CONDUIT MUST BE MANNELED WITH THE APPROVED MANNELS UG G 197.
- CONDUIT RADIUS REQUIREMENTS:
 - THE MINIMUM RADIUS FOR BENDS ARE:
 - 3" FOR CONDUITS 3" IN DIAMETER OR SMALLER
 - 48" FOR CONDUITS 4" AND 5" IN DIAMETER
 - 60" FOR 6" DIAMETER CONDUIT
 - THE MINIMUM RADIUS FOR ALL SLEEPS OF ALL MAINLINE CONDUITS IS 12'-4" (UNLESS NOTED OTHERWISE).
- EXCAVATION AND BACKFILL:
 - WORK AREA SHALL BE CLEARED AND ROUGH GRADED TO WITHIN FOUR INCHES OF FINAL GRADE PRIOR TO INSTALLATION OF EDISON CONDUIT OR STRUCTURES.
 - ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH THE CALIFORNIA STATE CONSTRUCTION SAFETY ORDINANCES (WHEN APPLICABLE), EDISON SPECIFICATIONS, AND ALL GOVERNING LOCAL ORDINANCES.
 - EACH TRENCH TO BE A UNIFORM DEPTH BELOW FINAL GRADE PRIOR TO INSTALLATION OF EDISON CONDUIT OR STRUCTURES.
 - BACKFILL SHALL BE PROVIDED BY THE CONTRACTOR FOR ALL EXCAVATIONS AND SHALL INCLUDE CRUSHED ROCK, CONCRETE, AND/OR BACKFILL WITH A MINIMUM OF ONE SACK PER YARD SAND CEMENT SLURRY AROUND AND OVER VALVES AND MANHOLES PER UG G 030, SECTION 4.4 AND AROUND RISERS WITHIN ONE FOOT OF FINISHED GRADE PER UG G 040.
 - BACKFILL PER EDISON SPECIFICATIONS, SHALL IMMEDIATELY FOLLOW CONDUIT OR SUBSTRUCTURE INSTALLATION. AT NO TIME SHALL CONDUIT BE EXPOSED OVER.
 - NO ROCKS ARE ALLOWED WITHIN 12 INCHES OF DIRECT-BURIED CABLES OR ANY CONDUIT WITHOUT CONCRETE ENCASEMENT. NATIVE BACKFILL CAPABLE OF PASSING THROUGH A ONE-HALF INCH MESH SCREEN SHALL BE CONSIDERED TO BE "GOOD FREE". IF EXISTING BACKFILL DOES NOT PASS THROUGH A 1/2" SCREEN, PLACE IMPORTED SAND 3" BELOW AND 12" ABOVE EDISON CABLES. AFTER THIS POINT, NO ROCKS SHALL BE PLACED WITHIN 12 INCHES OF CONDUIT.
 - ALL BACKFILL SHALL BE COMPACTED TO MEET OR EXCEED LOCAL ORDINANCES OR OTHER REQUIREMENTS. IT SHALL BE PLACED IN A MANNER THAT WILL NOT DAMAGE THE CONDUIT OR SUBSTRUCTURE OR ALLOW FUTURE SETTLEMENT OF THE TRENCH OR STRUCTURES.
- PAVING:
 - REPAIRS, WHERE REQUIRED, SHALL BE PLACED IN SUCH A MANNER THAT INTERFERENCE WITH TRAFFIC, INCLUDING PEDESTRIAN TRAFFIC, WILL BE KEPT TO A MINIMUM. THE CONTRACTOR SHALL ESTABLISH A PROGRAM OF REPAIRS ACCEPTABLE TO THE MUNICIPALITY, COUNTY, OR OTHER AUTHORITY HAVING JURISDICTION AND WHICH IS ACCEPTABLE TO EDISON.
- STRUCTURES:
 - WHEN REQUIRED, STRUCTURES SHALL BE CONSTRUCTED OR INSTALLED TO EDISON SPECIFICATIONS.
 - INSTALL PROTECTION BARRIERS PER UG M 030 WHEN REQUIRED IN AREAS EXPOSED TO TRAFFIC, PER EDISON INSPECTOR.
 - EDISON LINE AND STRUCTURES SHALL BE PROTECTED BY CRUSHED ROCK SURROUND SHALL BE MAINTAINED.
 - ALL GROUNDING MATERIALS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
- RETAINING WALLS:
 - WHEN REQUIRED, RETAINING WALLS SHALL BE PROVIDED BY THE DEVELOPER. WALLS ARE REQUIRED WHEREVER GRADE RISERS MORE THAN 18 INCHES ABOVE THE STRUCTURE OR 24" ABOVE THE PAD SURFACE AT A DISTANCE OF 5 FEET FROM THE SAME, OR IN AREAS SUBJECT TO EROSION AND INSTALLATION MUST COMPLY WITH LOCAL BUILDING ORDINANCES, REFER TO EDISON INSPECTOR FOR TYPICAL SPACE REQUIREMENTS.
- PERMITS:
 - ALL PERMITS NECESSARY FOR EXCAVATION SHALL BE PROVIDED BY THE CONTRACTOR/DEVELOPER.
- ACCESS:
 - HEAVY TRUCK ACCESS SHALL BE MAINTAINED TO EQUIPMENT LOCATIONS. STRUCTURES MUST BE CLEAR OF ALL OBSTACLES THAT WOULD OBSTRUCT THE LOADING OR UNLOADING OF EQUIPMENT.
- SERVICES:
 - METERS AND SERVICES SHALL COMPLY WITH EDISON ELECTRICAL SERVICES REQUIREMENTS.
 - WORKING MUST BE IN ACCORDANCE WITH APPLICABLE LOCAL ORDINANCES AND APPROVED BY LOCAL INSPECTION AUTHORITIES.
- LOCATION:
 - THE LOCATION OF EXCAVATIONS AND STRUCTURES FOR EDISON SHALL BE AS SHOWN ON THE WORKING DRAWINGS. NO DEVIATION FROM THE DRAWING LOCATIONS WILL BE TOLERATED BY THE EDISON INSPECTOR. SEE UG G 001, SECTION 5.2.
 - ACTUAL LOCATION OF OBSTRUCTIONS, STORM DRAINS, AND/OR OTHER FOREIGN UTILITIES TO BE THE RESPONSIBILITY OF THE CONTRACTOR.
- CONTRACTOR IS TO VERIFY LOCATION AND WIDTH OF ALL SIDEWALKS AND DRIVEWAYS PRIOR TO STREET LIGHT INSTALLATION. SEE UG CD 175.1, UG CD 175.2 AND UG CD 175.3.
- SURVEY:
 - SURVEYING OF STREET IMPROVEMENTS, PROPERTY CORNERS, LOT LINES, FINISHED GRADE, ETC., NECESSARY FOR THE INSTALLATION OF UNDERGROUND FACILITIES MUST BE COMPLETED AND MARKERS OR STAKES PLACED PRIOR TO THE START OF THE INSTALLATION. IN ADDITION, DEVELOPER SHALL MAINTAIN THE MARKERS DURING THE INSTALLATION AND INSPECTION BY EDISON. GRADE AND PROPERTY LINE STAKES MUST SHOW ANY OFFSET MEASUREMENTS.
- COORDINATION AND SUPERVISION:
 - THE DEVELOPER SHALL PROVIDE SUPERVISION OVER AND COORDINATION AMONG THE VARIOUS CONTRACTORS WORKING WITHIN THE DEVELOPMENT IN ORDER TO PREVENT DAMAGE TO EDISON FACILITIES. HE IS RESPONSIBLE FOR THE COST OF REPAIRS, REPLACEMENT, RELOCATION, OR OTHER CORRECTIONS TO EDISON FACILITIES MADE NECESSARY BY HIS FAILURE TO PROVIDE SUPERVISION OR TO OTHERWISE COMPLY WITH THESE SPECIFICATIONS.
- TELEPHONE AND OTHER UTILITY REQUIREMENTS:
 - THE DRAWING PREPARED FOR THIS JOB MAY ALSO COVER THE FACILITIES TO BE INSTALLED FOR THE TELEPHONE COMPANY AND/OR OTHER UTILITY. ANY QUESTIONS CONCERNING DETAILS OF THEIR INSTALLATION SHOULD BE REFERRED TO THE COMPANY CONCERNED.
- OWNERSHIP:
 - DEVELOPER IS TO DEED TO THE EDISON COMPANY ALL STRUCTURES HEREON EXCEPT THOSE SHOWN AS CUSTOMER OWNED.
- WARRANTY:
 - APPLICANTS EXPRESSLY REPRESENT AND WARRANT THAT ALL WORK PERFORMED AND ALL MATERIAL USED IN MEETING APPLICANTS' OBLIGATIONS HEREON ARE FREE FROM DEFECTS IN WORKMANSHIP AND ARE IN CONFORMITY WITH SOUTHERN CALIFORNIA EDISON COMPANY'S REQUIREMENTS. THE WARRANTY SHALL COMMENCE UPON RECEIPT BY APPLICANTS OF COMPANY'S FINAL ACCEPTANCE AND SHALL EXPIRE ONE YEAR FROM THAT DATE. APPLICANTS AGREE TO PROMPTLY CORRECT TO THE COMPANY'S SATISFACTION AND THAT OF ANY GOVERNMENTAL AGENCY HAVING JURISDICTION AND AT APPLICANTS' EXPENSE ANY BREACH OF THIS WARRANTY WHICH MAY BECOME APPARENT THROUGH INSPECTION OR OPERATION OF UNDERGROUND ELECTRIC SYSTEM BY COMPANY DURING THIS WARRANTY PERIOD.
- INSPECTION:
 - INSPECTION IS REQUIRED DURING THE CONSTRUCTION PERIOD. A 48 HOUR ADVANCE NOTICE OF INTENT TO START CONSTRUCTION IS REQUIRED BY THE CONTRACTOR TO THE SOUTHERN CALIFORNIA EDISON COMPANY. STANDARDS OF EDISON CONSTRUCTION REQUIREMENTS ARE AVAILABLE UPON REQUEST.

- DUCT AND STRUCTURE INSPECTOR: SAL GARCIA PHONE: 424-319-4437
- CABLEING CONSTRUCTION COORDINATOR: PHONE: 811
- 05/05/22/24
- CONNECTING TO EXISTING SCE STRUCTURES
- PER SCE REQUIREMENTS, CUSTOMERS ARE NOT ALLOWED TO INTERFERE OR BE IN CLOSE PROXIMITY TO EACH OTHER AND OTHER SIZE FACILITIES. E.G. STRUCTURES, EQUIPMENT, MULTI-CONDUIT RUNS/DRAINS, OR CONDUITS ARE EXISTING SIZE FACILITIES. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS, REPLACEMENT, RELOCATION, OR OTHER CORRECTIONS TO EDISON FACILITIES MADE NECESSARY BY HIS FAILURE TO PROVIDE SUPERVISION OR TO OTHERWISE COMPLY WITH THESE SPECIFICATIONS.
 - PER CALIFORNIA RULE TO BE A AND RULE 10.0.1, THE CUSTOMER WILL PROVIDE ALL NECESSARY EXCAVATIONS (WITH THE EXCEPTION OF EXCAVATION UNDER PADS AND PRIMARY SUMP SPACE BOXES), MATERIAL, INCLUDING CONDUIT AND STRUCTURES) AND ENCASEMENT, TO BE UTILIZED IN THE INTERFERENCE PROCESS.
 - THE CUSTOMER MUST ADHERE TO ALL APPLICABLE CAL-COHA, LOCAL, CITY, STATE AND FEDERAL REGULATIONS, INCLUDING BUT NOT LIMITED TO, ALL NECESSARY SHORING AND TRAFFIC CONTROL IN PLACE TO PERFORM THE INTERFERENCE WORK BY SCS UNDERGROUND ONE CONTRACTORS.
 - INTERFERENCE WORK MUST BE COORDINATED WITH SCS ONE CONTRACTORS THROUGH THE DIVISION INSPECTOR/P-SPEC TO LIMIT EXPOSURE OF EXCAVATIONS. CUSTOMER IS RESPONSIBLE FOR SECURING EXCAVATIONS.
- 05/05/22/24
- UNDERGROUND SERVICE ALERT
- Contact USA
Dial 811 or 800-422-4133
www.dlsaler.org/contact
- For Underground Locating
Two Working Days Before You Dig
- 05/05/22/24

FINAL DESIGN
APPROVED FOR CONSTRUCTION

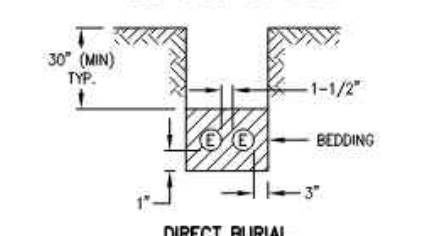
PROJECT NO.	DATE	DESCRIPTION	DESIGNER	CHECKED	APPROVED
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2310369	05/05/22/24	2310369-LINE EXTENSION	ORTIZ, MARTIN	ORTIZ, MARTIN	ORTIZ, MARTIN
2310369	05/05/22/24	2310369-LINE EXTENSION	ORTIZ, MARTIN	ORTIZ, MARTIN	ORTIZ, MARTIN
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2310369	05/05/22/24	2310369-LINE EXTENSION	ORTIZ, MARTIN	ORTIZ, MARTIN	ORTIZ, MARTIN

TYPICAL CONDUIT BANK SECTION
SEE UG CD 120



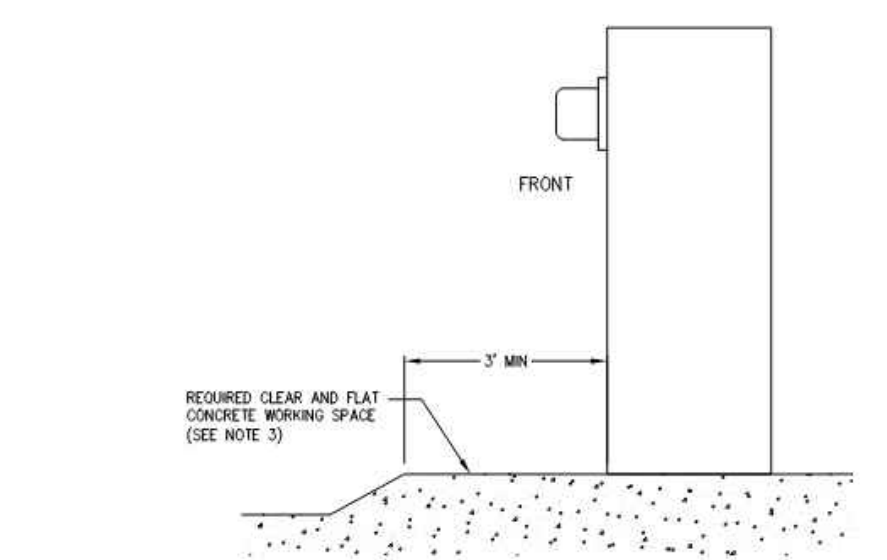
07/05/22/24

TYPICAL CONDUIT BANK SECTION
SEE UG CD 120



08/05/22/24

PANEL CLEARANCE
UNDERGROUND SERVICE CONNECTIONS 0-600 VOLTS
SEE ESR 3-16



- NOTES:
- A MINIMUM OF THREE (3) FEET OF CLEAR LEVEL WORKSPACE IS REQUIRED IN FRONT OF ALL TERMINATION, METERS, AND SERVICE EQUIPMENT.
 - SEE ESR-4 FOR METER-MOUNTING HEIGHT REQUIREMENTS. METER-MOUNTING HEIGHT WILL BE MEASURED FROM THE STANDING AND WORKING SPACE TO THE CENTERLINE OF THE METERS.
 - WHEN SERVICE EQUIPMENT IS INSTALLED ON AN ELEVATED PORTION OF THE FLOOR/PARKING, OR HOISTING/STEEPING PAD, THE PAD SHALL BE FLUSH WITH AND EXTEND A MINIMUM OF THREE (3) FEET, THIS IS MEASURED FROM THE FRONT OF THE SERVICE EQUIPMENT ON THE OUTER CORNERS OF THE SWITCHING AREA OR ENCLOSURE WHEN INSTALLED IN NO CASE SHALL THE MAIN METER MOUNTING BE 4" EXCEEDED.
 - TO MAINTAIN A SAFE, CLEAR, AND LEVEL WORKING AREA IN FRONT OF NEW EXISTING METER AND SERVICE EQUIPMENT, A CONCRETE SLAB, ACCEPTABLE TO THE COMPANY MUST BE USED.
 - FOR SWITCHBOARDS ABOVE GROUND, FIVE-FOOT MINIMUM OF CLEAR AND LEVEL CONCRETE STANDING AND WORKING SPACE IS REQUIRED IN THE FRONT, REAR AND SIDE OF ANY SECTION WHERE SUCH PART SUPPORTS OR PROVIDES ACCESS TO METERING, TESTING EQUIPMENT, OR SERVICE CABLE TERMINATION SECTIONS.

16.11 PROTECTIVE BARRIERS (POSTS/BOLLARDS) FOR SERVICE EQUIPMENT

BARRIER POSTS/BOLLARDS ARE USED TO PROTECT THE METER AND SERVICE EQUIPMENT, AS WELL AS PERSONNEL FROM VEHICULAR CONTACT, AND TO PROVIDE ENCLOSURE INTO THE WORKING SPACE (FOR EXAMPLE, LOADING ZONES, DRIVEWAYS, CONCRETE AREAS, OFF STREET PARKING, AND SO ON).

THE CUSTOMER SHALL PROVIDE AND INSTALL "NON-REMOVABLE" BARRIERS (POSTS/BOLLARDS) TO PROVIDE THE PROPER SAFE WORKING CLEARANCE WHERE THE WORKSPACE IS EXPOSED TO HIGHWAY OR OTHER HIGHWAY CONCERNING METERS WILL NOT BE SET WITH THE BARRIERS HAVE BEEN INSTALLED. METER CABINET DOORS MUST OPEN A MINIMUM OF 90 DEGREES AND NOT CONFLICT WITH BARRIER POSTS. A MINIMUM CLEARANCE OF 3'-FEET IS REQUIRED FROM THE FACE OF THE SWITCH GEAR TO THE BOLLARD/POST.

09/05/22/24

WARNING

THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES, WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE, HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.

05/05/22/24

CUSTOMER-OWNED CONDUIT MATERIAL AND CONCRETE ENCASEMENT ARE TO BE INSTALLED IN ACCORDANCE WITH EDISON ELECTRICAL SERVICE REQUIREMENTS.

SUBJECT TO APPROVAL BY LOCAL INSPECTION AUTHORITIES

04/05/22/24

NOTE:

ALL ELECTRICAL DUCTS AND STRUCTURES WILL CONFORM TO GENERAL ORDER #128 (RULES FOR CONSTRUCTION OF UNDERGROUND ELECTRICAL SUPPLY AND COMMUNICATION PRESCRIBED BY THE PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA, JANUARY 2006).

06/05/22/24

PAD FOR SURFACE-MOUNTED TRANSFORMER
POURED IN FIELD CONSTRUCTION AND PRECAST CONSTRUCTION (CONCRETE)
SEE UGS SS 504

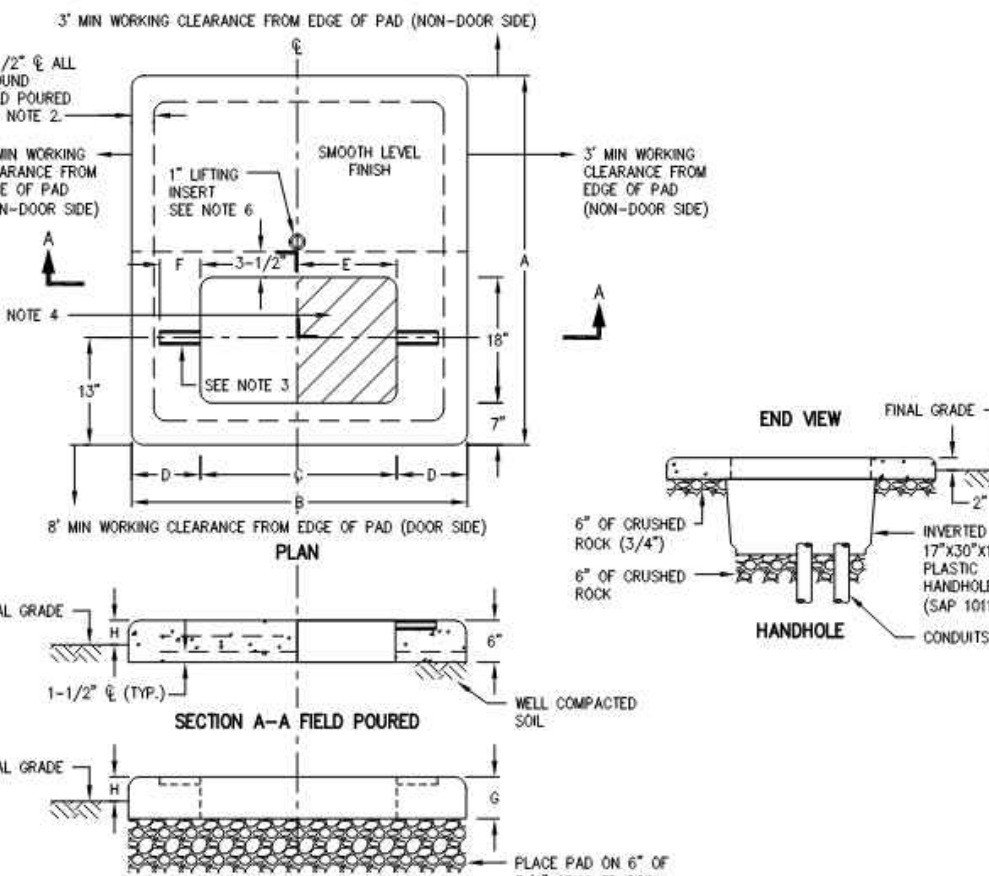
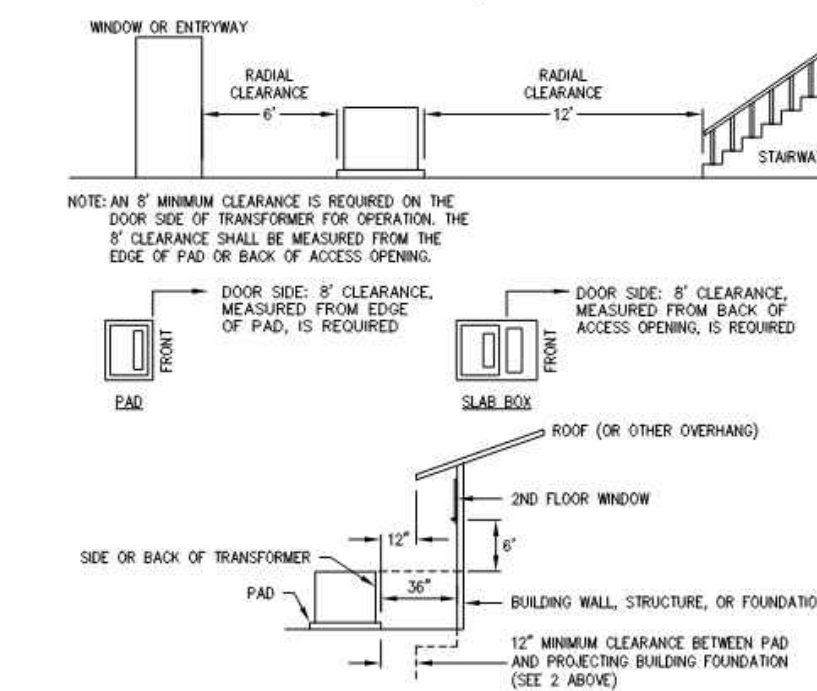


TABLE SS 504-1: SURFACE-MOUNTED TRANSFORMER PADS - DIMENSIONS

TRANSFORMER	PAD DIMENSIONS (IN)										WGT (LB)	SAP
	A	B	C	D	E	F	G	H	I	J		
25 KVA-100 KVA	5	4	2	11	12	6	4	2			750	1010102
75 KVA-100 KVA	6	6	7	18	15	6	6	3			2,250	1010101
75 KVA-100 KVA	7	12	24	50	22	22	14	6	3		3,200	1010103

- NOTES:
- CONCRETE TO BE 3,000 PSI (MINIMUM) AT 28 DAYS.
 - REINFORCING STEEL TO BE NO. 4 BARS INSTALLED IN A DOUBLE NET. PERIMETER BARS TO BE CONTINUOUS (8 INCH MINIMUM LAP OR WELD).
 - HALF-SHAFT BRACKETS TO BE 2-3/8" DIAMETER (MINIMUM) (ALL EQUAL).
 - PRIMARY CABLES MUST BE INSTALLED IN SHARED AREA AS FAR TO THE RIGHT AS POSSIBLE ON SINGLE PHASE.
 - TRANSFORMER ONLY, OR THREE-PHASE TRANSFORMERS PRIMARY CABLES MUST BE INSTALLED IN THE UNOCCUPIED AREA OF DRAWING ABOVE AS FAR LEFT AS POSSIBLE.
 - SEE AC 701 FOR PAD-MOUNTED TRANSFORMER GROUNDING REQUIREMENTS AND AC 703 FOR APPROVED GROUNDING MATERIALS.
 - 1-INCH LISTING INSERT TO BE LOCATED AT CENTER OF GRAVITY ON PRECAST PADS.
 - THE THREE-PHASE TRANSFORMER SHALL ONLY BE USED ON A PAD WHEN FOUR OR FEWER SERVICES ARE TO BE INSTALLED. A SLAB BOX SHOULD BE USED WHEN MORE THAN FOUR SERVICES WILL BE INSTALLED.
 - USE A 1/2 INCH LAYER OF FIBER-GLASS (OR EQUIVALENT) FOR PROTECT AND WEED CONTROL OR WHERE TRANSFORMER DOES NOT FULLY COVER OPENING IN PAD.
 - A 1" X 3" X 10" PLASTIC HANDHOLE (SAP 1011747) SHALL BE INVERTED AND INSTALLED UNDER THE CABLE OPENING OF THE PAD. THIS WILL PROVIDE ADEQUATE CABLE SLACK FOR OPERATION OF THE LOAD-BREAK ELBOWS ON SINGLE PHASE TRANSFORMERS ONLY.
- 04/05/22/24

MINIMUM CLEARANCES FOR PADMOUNTED TRANSFORMERS
SEE DDS-3, 3-44



- PAD-MOUNTED TRANSFORMER INSTALLATIONS SHALL CONFORM TO THE FOLLOWING:
- PAD-MOUNTED TRANSFORMERS SHALL NOT BE LOCATED DIRECTLY IN FRONT OF ENTRANCES, STAIRWAYS, BENEATH WINDOWS THAT CAN BE OPENED, OR WHERE THEY WILL OBSTRUCT THE VISION OF VEHICULAR TRAFFIC.
 - PAD-MOUNTED TRANSFORMERS SHALL BE PLACED AT LEAST THE MINIMUM DISTANCE, AS CENTERED IN THE FIGURE ABOVE, AWAY FROM BUILDINGS OR OTHER STRUCTURES TO ENSURE ADEQUATE SPACE FOR OPERATING, TO MINIMIZE VIBRATION HARM, AND TO MEET FIRE SAFETY REQUIREMENTS.
 - WHENEVER POSSIBLE, PLACE PAD-MOUNTED STRUCTURES AND EQUIPMENT AWAY FROM AREAS WITH FREQUENT TRAFFIC TO HELP PREVENT FUTURE CORROSION.
 - INSTALL NEW STAINLESS STEEL PAD-MOUNTED EQUIPMENT ONLY IF EVERY EFFORT HAS BEEN MADE TO LOCATE THE PAD MOUNT AWAY FROM HIGH-CORROSION AREAS AND THE PAD MOUNT IS EXPECTED TO BE CHANGED OUT WITHIN 15 YEARS DUE TO CORROSION. CONTACT FCI FOR APPROVAL.
 - EXISTING MILD STEEL PAD-MOUNTED EQUIPMENT MAY BE UPGRADED TO STAINLESS STEEL IF THE EXISTING EQUIPMENT HAS FAILED DUE TO CORROSION WITHIN 15 YEARS OF INSTALLATION. CONTACT FCI FOR APPROVAL.
 - A CLEAR PASSAGEWAY OF 12 FEET MINIMUM SHALL BE AVAILABLE AT ALL TIMES, IMMEDIATELY ADJACENT TO ONE SIDE OF THE TRANSFORMER TO PROVIDE AN ACCESSIBLE PASSAGEWAY FOR TRANSFORMER MAINTENANCE. THIS PASSAGEWAY SHALL BE DESIGNED TO MEET H-20 DESIGN CONSTRUCTION.
 - IF SCS HAS INSTALLED OR AGREES TO INSTALL TRANSFORMERS AT LOCATIONS WHERE SCS CANNOT USE ITS STANDARD TRANSFORMER LIFTING EQUIPMENT, AND SPECIAL LIFTING FACILITIES ARE REQUIRED TO INSTALL OR REMOVE THE TRANSFORMERS ON THE CUSTOMER'S PREMISES, THE CUSTOMER SHALL, AT THEIR EXPENSE, (1) FURNISH, INSTALL, OWN, AND MAINTAIN PERMANENT LIFTING FACILITIES, AND BE RESPONSIBLE FOR LIFTING THE TRANSFORMER TO AND FROM ITS PERMANENT POSITION, OR (2) PROVIDE (OR PAY FOR) PORTABLE LIFTING FACILITIES ACCEPTABLE TO SCS FOR INSTALLING OR REMOVING THE TRANSFORMERS. RIGHTS-OF-WAY AND SPACE PROVISIONS SHALL BE PROVIDED BY APPLICANT SUCH THAT ACCESS AND REQUIRED CLEARANCES FROM ADJACENT STRUCTURES CAN BE MAINTAINED.
 - TRANSFORMER STRUCTURES WILL NORMALLY BE INSTALLED ONLY IN NONTRAFFIC AREAS. TRANSFORMER PROTECTION IS REQUIRED WHEN COMPANY EQUIPMENT IS REQUIRED TO TRAFFIC. THIS PROTECTION MAY BE IN THE FORM OF BARRIERS, BARRICADES, OR CURB. A CURB MUST HAVE A MINIMUM HEIGHT OF 6 INCHES AND BE AT LEAST 6 INCHES THICK AND ITS FRONT FACE LOCATED 30 INCHES MINIMUM FROM THE EQUIPMENT FOUNDATION.
- 10/05/22/24

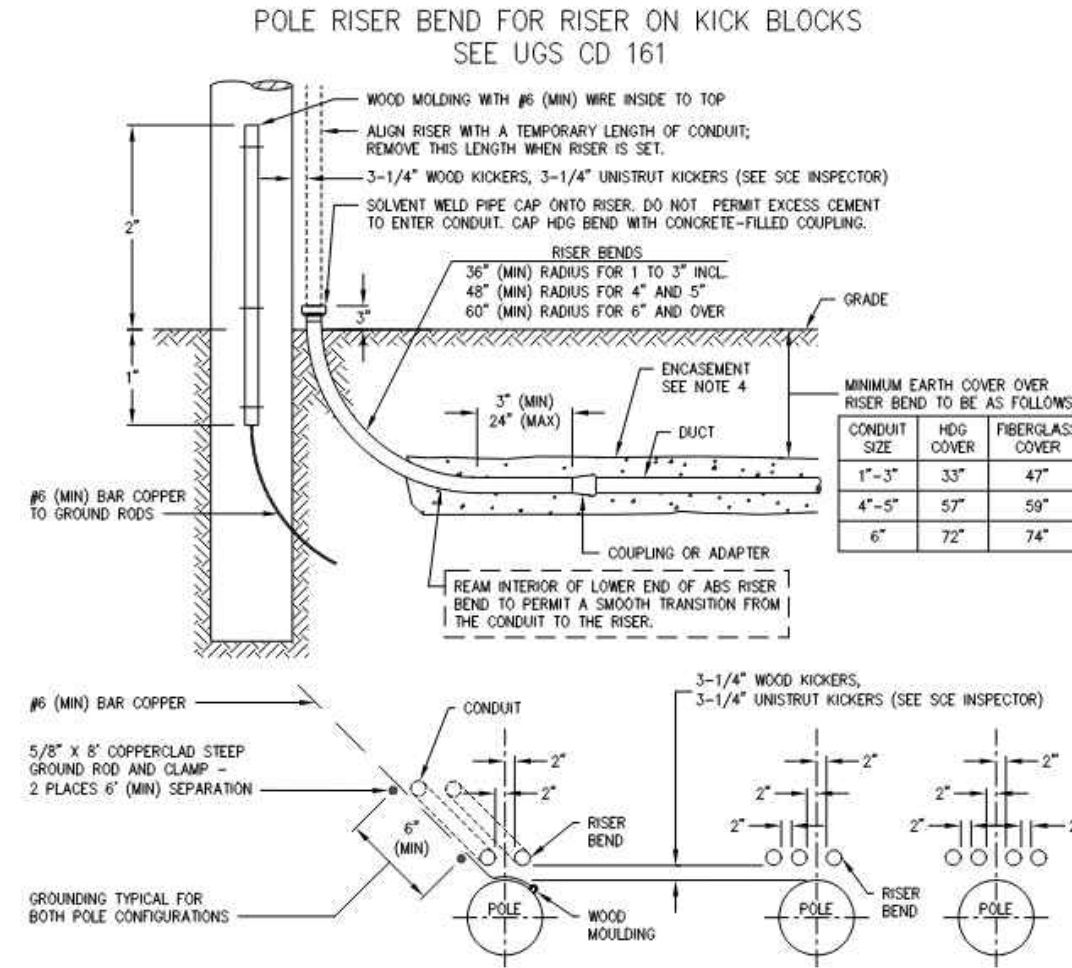
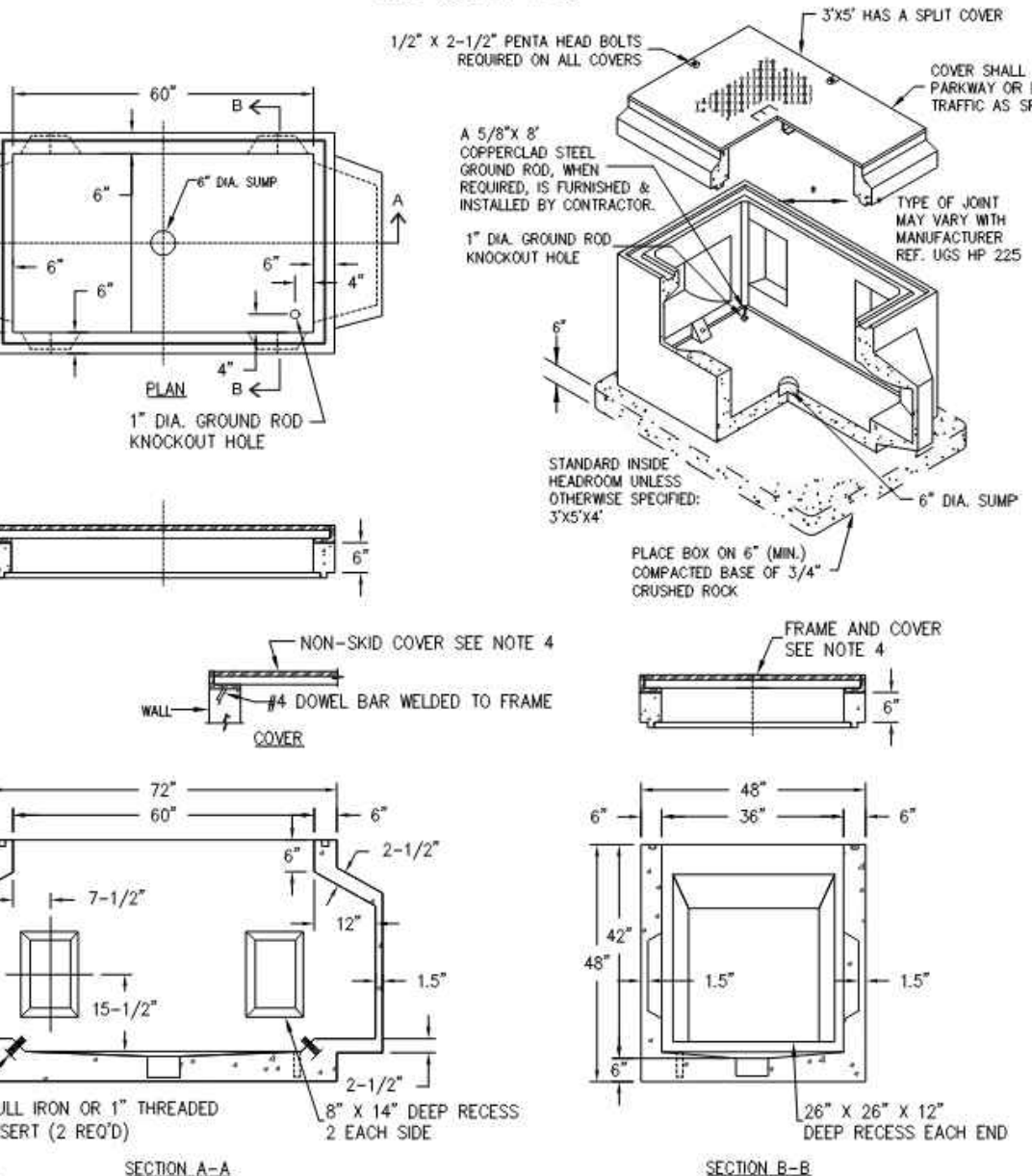


TABLE SS 504-1: SURFACE-MOUNTED TRANSFORMER PADS - DIMENSIONS

MATERIAL	SIZE									
	1"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"		
ASB	-	-	-	-	X	X	X	-		
FIBERGLASS	-	-	-	-	X	X	X	X		
HSG	X	X	X	X	X	X	X	X		

- NOTES:
- THE TOP AND BOTTOM OF 3", 4", 5", 6" AND 8" FIBERGLASS BENDS ARE FURNISHED WITH PERMANENTLY ATTACHED PVC COUPLINGS, ALSO INCLUDED IS A 4" LONG 5", 4", 5", 6" OR 8" SCHEDULE 80 PVC STRUT-BOLT, SOLVENT WELDED INTO THE TOP COUPLING. SEE UG CD 168 FOR FIBERGLASS RISER BEND MATERIAL INFORMATION AND SUPPLIERS.
 - TWO GROUND RINGS ARE REQUIRED AT ALL PRIMARY RISER POLES. DRIVE RINGS IN TRENCH BOTTOM WITH 6" MINIMUM SEPARATION. IN UNDISTURBED EARTH, LEAVE THE ROD TOPS 3" ABOVE THE TRENCH BOTTOM AND ATTACH CONTINUOUS GROUND WIRE WITH CLAMPS. EXTEND WIRE TO INDICATED LOCATION ON POLE AND STUB UP 2" ABOVE GRADE IN ROAD WALKING. ALL GROUNDING MATERIALS FURNISHED BY THE CONTRACTOR. SEE AC 703 FOR APPROVED GROUNDING MATERIALS.
 - ENCASEMENT REQUIRED ONLY WHEN CALLED OUT ON WORKING DRAWINGS.
 - SCHEDULE 80 PVC BENDS MAY BE SUBSTITUTED FOR FIBERGLASS BENDS FOR STRAIGHT RUNS OF 150' OR LESS IN CONDUIT SIZES 4" AND UNDER.
- 07/05/22/24

PULL BOX 3' X 5' PRECAST CONCRETE
SEE UGS HP 225



- NOTES:
- SEWER/STORM:
 - CONCRETE:
 - CONCRETE SHALL BE CLASS "A" WITH 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI (MINIMUM), SLIGHT TAPER (3/4" IN DEPTH OF PULL BOX) AND 1" CHAMFER ON ALL INSIDE CORNERS PERMITTED FOR EASE OF FORMING.
 - INSTALLATION:
 - PULL BOX SHALL BE PLACED ON 6" (MINIMUM) COMPACTED ROCK OR SAND BASE TO ENSURE UNIFORM DISTRIBUTION OF SOIL PRESSURE IN FLOOR. MINIMUM EXCAVATION FOR PULL BOX SHALL BE 52" X 97" X DEPTH TO SUIT JOB.
 - COUPLERS:
 - SEE FC 612 AND FC 618 FOR PULL BOX COVERS.
 - GRADE RINGS:
 - INSTALLING CONTRACTOR SHALL PROVIDE GRADE RINGS (6" MINIMUM) AS NECESSARY IN ORDER TO MAINTAIN COVER OVER CONDUITS PER SCE SPECIFICATIONS OR PERMIT AGENCY SPECIFICATIONS, WHICHEVER IS GREATER.
 - PULL RINGS AND EYES:
 - SEE AC 723 OR PULL RINGS AND AC 720 FOR PULL EYES.
- 05/05/22/24

JOB SCOPE: INSTALL NEW PAD MOUNT XFMR- NEW 800A PANEL UG

AGENCY STAMP

DSA APPLICATION NO: XX-XXXXXX






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Engineering, Inc.
Consulting Engineers

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PROJECT NAME
NEW CHILD
DEVELOPMENT
CENTER CAMPUS

FACILITY INFO
CHILD DEVELOPMENT CENTER
10409 10TH AVE, INGLEWOOD, CA 90303

PROJECT ISSUE DATE: YYYY/MM/DD

[illegible]

DRAFTER: NS
PM: KJ

REVIEWER: JF
DSK JOB NO: 23060

SHEET TITLE

NEW
ELECTRICAL
SERVICE

SHEET NUMBER

E6.02

