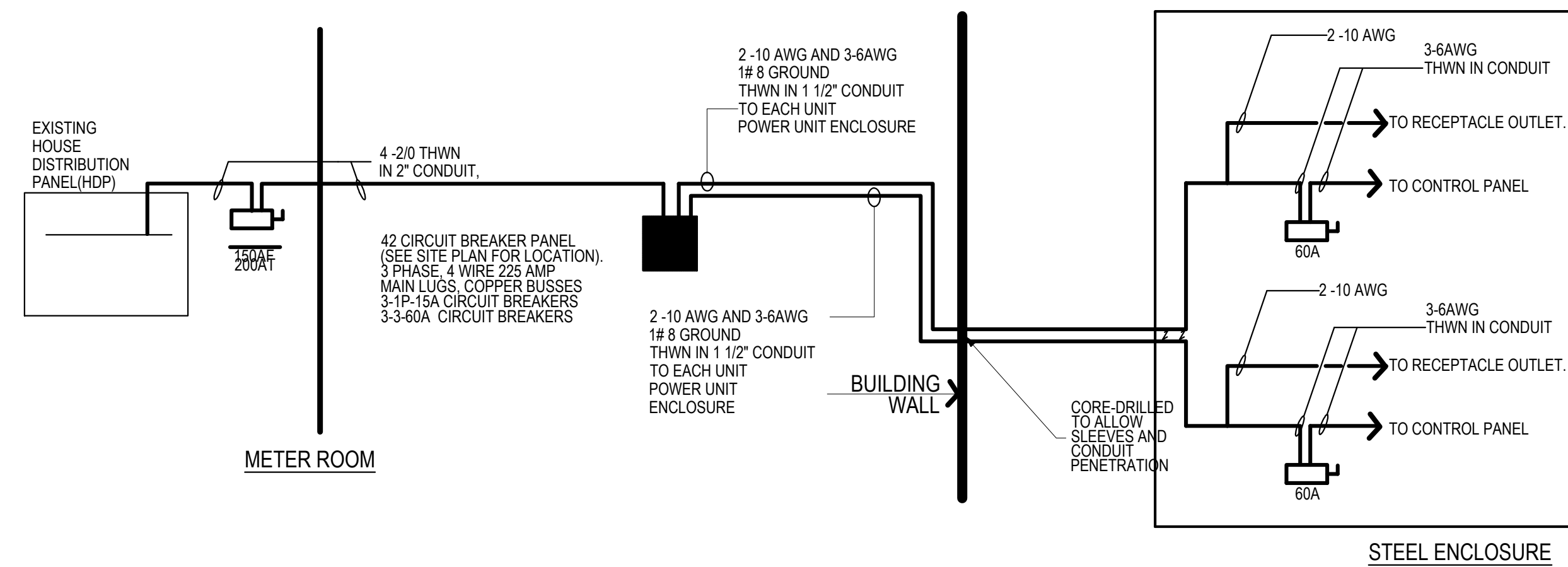


1 ELECTRICAL POWER RISER DIAGRAM for Single Unit Power Enclosure for Exterior Compactor



2 ELECTRICAL POWER RISER DIAGRAM for Double Unit Power Enclosure for Exterior Compactors

SYMBOL	DESCRIPTION
	NEW CIRCUIT BREAKER PANELBOARD
	NEW CONDUIT AND WIRING
	INDIVIDUALLY MOUNTED DISCONNECT SWITCH, FUSED; SIZE AS INDICATED ON DRAWING. "150AF" INDICATES FUSE AMPERE RATING. "200AT" INDICATES SWITCH AMPERE RATING
	INDIVIDUALLY MOUNTED DISCONNECT SWITCH, UNFUSED; SIZE AS INDICATED ON DRAWING.

ELECTRICAL GENERAL NOTES:

- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS OF THE SITE.
- THE CONTRACTOR SHALL SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S) FEES, LICENSES AND INSPECTION NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
- COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK
- ALL CONDUIT SHALL BE RUN EXPOSED THROUGHOUT THE BUILDING.
- PULL AND JUNCTION BOXES SHALL BE SURFACE TYPE. THE JUNCTION AND PULL BOXES SHALL BE LOCATED TO SUIT CONDUIT ENTRANCE, BUT IN ALL CASES, BE LOCATED TO AVOID INTERFERENCE WITH EQUIPMENT FROM OTHER TRADES AND SHALL BE LOCATED SO THAT THE COVERS ARE READILY ACCESSIBLE.
- THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF ALL EQUIPMENT CONNECTIONS IN ORDER TO AVOID INTERFERENCE.
- FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION.
- PROTECT THE WORK UNTIL FINAL ACCEPTANCE BY OWNER. WORK THAT IS DAMAGED PRIOR FINAL ACCEPTANCE SHALL BE REPLACED AT NO ADDITIONAL COST TO OWNER.
- THE ENTIRE INSTALLATION MUST MEET WITH ALL THE CURRENT REQUIREMENTS OF THE MOST CURRENT NEW YORK CITY ELECTRICAL CODE.
- CONTRACTOR TO COORDINATE ANY POWER SHUT DOWN WITH THE AUTHORITY BEFORE COMMENCING WORK.
- ALL EQUIPMENT AND ACCESSORIES INSTALLED OUTSIDE OR EXPOSED TO WEATHER SHALL HAVE NEMA 3R ENCLOSURES AND SHALL BE TIGHTLY GASKETED FOR A COMPLETE RAIN-TIGHT INSTALLATION
- THE COMPACTOR MUST BE GROUNDED. PROVIDE AN EQUIPMENT-GROUNDING CONDUCTOR MUST BE RUN WITH THE CIRCUIT CONDUCTORS AND CONNECTED TO EQUIPMENT-GROUNDING TERMINAL ON THE COMPACTOR.
- WHEN PENETRATIONS THROUGH THE BUILDING ARE NECESSARY, CONTRACTOR SHALL DRILL A HOLE THROUGH THE FOUNDATION. INSTALL SLEEVE. INSERT THE CONDUIT AND SEAL THE JOINT BETWEEN THE CONDUIT AND THE FOUNDATION WITH SILICONE CAULK TO PREVENT ANY WATER INTRUSION.

SITE PLAN NOTES:

- REFER TO ARCHIVE CIVIL SITE DRAWINGS (NYCHA Qweb) FOR THE EXECUTION OF THE WORK SO AS NOT TO DAMAGE EXISTING UNDERGROUND UTILITIES.
- ALL CONDUIT INSTALLATION UNDERGROUND SHALL BE INSPECTED BY A RECOGNIZED INSPECTION AUTHORITY AND NYCHA CONSTRUCTION MANAGER BEFORE BACKFILLING.
- THERE SHALL BE A MINIMUM OF 12" OF EARTH SEPARATION BETWEEN THE ELECTRIC FEEDER AND ANY SUBSURFACE UTILITIES SUCH AS WATER, GAS, ETC. ALL UNDERGROUND FEEDERS SHALL BE A MINIMUM OF 24" BELOW GRADE.
- AT COMPLETION OF EXCAVATION AND BACKFILL OPERATIONS, RESTORE ALL DISTURBED PAVEMENTS, CURBS, PLANTINGS, AND LAWNS TO THEIR ORIGINAL CONDITION.
- PROVIDE TEMPORARY PEDESTRIAN RAMPS AND MAINTAIN ACCESS TO THE BUILDINGS AT ALL TIMES. PROVIDE ALL NECESSARY CONSTRUCTION BARRICADES AND SAFETY/CAUTION SIGNS.

SCOPE OF WORK:

- PROVIDE NEW FUSABLE DISCONNECT SWITCH, PANELBOARD, AND POWER CONNECTIONS TO HDP, IN METER ROOMS. ALL SWITCHES TO BE HEAVY DUTY. PANELBOARDS SHALL BE SUPPORTED INDEPENDENTLY TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON CONDUIT
- SEE LANDSCAPE DRAWINGS FOR LOCATIONS OF ELECTRICAL SERVICE ROOM, LOCATION OF EXTERIOR COMPACTOR SITES AND ACTUAL CONDUIT LENGTHS.
- CONTRACTOR TO PROVIDE CONDUIT AND WIRES AND TAP BUSSES OF HDP. IF 200A SPARE SWITCH IS NOT AVAILABLE IN THE EXISTING PANEL, CONTRACTOR SHALL REPORT EXISTING CONDITIONS TO NYCHA CONSTRUCTION PROJECT MANAGER. FOR BIDDING PURPOSES, ASSUME 200A SPARE SWITCH IS NOT AVAILABLE, CONTRACTOR SHALL PROVIDE SWITCH AT EACH LOCATION.
- PROVIDE 3- PHASE, 60 AMP, UNFUSED, LOCKABLE, HEAVY DUTY DISCONNECT SWITCH, NEMA 3R ENCLOSURE, FEEDING EACH COMPACTOR CONTROL PANEL. LOCATE WITHIN STEEL ENCLOSURE NO MORE THAN 10 FT FROM CONTROL PANEL SO AS TO BE IN SIGHT OF THE POWER UNIT.
- PROVIDE THREE- PHASE ELECTRICAL POWER SUPPLY TO EACH CONTROL PANEL OF THE EXTERIOR COMPACTOR HYDRAULIC POWER UNIT VIA UNFUSED DISCONNECT SWITCH.
- PROVIDE SINGLE-PHASE ELECTRICAL POWER SUPPLY TO 3-PRONG RECEPTACLES LOCATED IN STEEL ENCLOSURE.
- ALL WORK SHALL BE COORDINATED WITH THE MANUFACTURER OF THE COMPACTOR EQUIPMENT.
- MOUNT ALL ELECTRICAL EQUIPMENT NON-FURNISHED AS AN INTEGRAL PART OF THE OF THE STEEL ENCLOSURE. ALL CONTROL AND POWER CONDUIT, WIRING, DISCONNECT SWITCHES, JUNCTION BOXES ETC., TO MAKE THE INSTALLATION.
- ITEMS IN STEEL ENCLOSURE FURNISHED INTEGRALLY WITH EQUIPMENT BY OTHERS ARE SPECIFIED IN APPLICABLE SECTIONS ALONG WITH INSTALLATION SPECIFICATIONS.
- PROVIDE LIQUID TIGHT METALLIC FLEXIBLE CONDUIT WHERE REQUIRED IN STEEL ENCLOSURE.
- ALL INTERIOR CONDUIT TO BE RIGID GALVANIZED CONDUIT.
- ALL EXTERIOR CONDUIT TO BE RIGID STEEL, HEAVY WALL, PVC COATED.
- SHOW RACEWAY AND CONDUCTORS TO ALL ELECTRIC EQUIPMENT AS SHOWN AND AS REQUIRED.
- WIRE SIZE SHALL BE INCREASED FOR LENGTHS RESULTING IN VOLTAGE DROP.
- ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED AND BONDED AS PER NEC 250.
- PROVIDE AS -BUILTS.

Note to BE Designated Space For DOB Employee Stamp & Signature

BY	Rev. No.	Submissions
Date		

Development: XXXXXX
 Building Address: XXXXXXXX
 Building No.(s): XXXXXXXX
 Borough of: XXXXXX ORACLE No.: XXXXXXXX

Key/Location Plan

Zone No.: XXXXXX Zoning Map No.: XXXXXX
 Block No.: XXXXXX Lot No.: XXXXXX
 E.D.P. No.: XXXXXX
 Development No.: XX

Contract Title: XXXXXXXXXXXX

Contract No.: GD XXXXXXXX

Drawing Title: ELECTRICAL DETAILS

Seal & Signature:

Drawn By: GEORGE SOUKAS
 Checked By: KEITH MARSHALL
 Date: XXXX
 Scale: AS SHOWN
 Drawing No.: E-001.00

Sheet XX of XX

Orient and Affix DOB BSCAN Sticker Here