



SYMBOL	DESCRIPTION
—	NEW CONDUIT AND WIRING
1500AF/200AT	INDIVIDUALLY MOUNTED DISCONNECT SWITCH, FUSED; SIZE AS INDICATED ON DRAWING. "1500AF" INDICATES FUSE AMPERE RATING. "200AT INDICATES SWITCH AMPERE RATING

1 ELECTRICAL POWER BLOCK DIAGRAM FOR BULK CRUSHER

ELECTRICAL GENERAL NOTES:

1. THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS OF THE SITE.
2. THE CONTRACTOR SHALL SECURE AND PAY FOR THE REQUIRED CONSTRUCTION PERMIT(S) FEES, LICENSES AND INSPECTION NECESSARY FOR THE PROPER EXECUTION OF THE WORK.
3. COORDINATION OF ALL WORK UNDER THIS CONTRACT SHALL BE MAINTAINED TO ENSURE THE QUALITY AND TIMELY COMPLETION OF THE WORK
4. ALL CONDUIT SHALL BE RUN EXPOSED THROUGHOUT THE BUILDING.
5. 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.
6. THE CONTRACTOR SHALL COORDINATE WITH ALL TRADES FOR EXACT LOCATION OF ALL EQUIPMENT CONNECTIONS IN ORDER TO AVOID INTERFERENCE.
7. FIRESTOPPING SHALL BE INSTALLED AT ALL PENETRATIONS OF FIRE RATED CONSTRUCTION.
8. PROTECT THE WORK UNTIL FINAL ACCEPTANCE BY OWNER. WORK THAT IS DAMAGED PRIOR FINAL ACCEPTANCE SHALL BE REPLACED AT NO ADDITIONAL COST TO OWNER.
9. THE ENTIRE INSTALLATION MUST MEET WITH ALL THE CURRENT REQUIREMENTS OF THE MOST CURRENT NEW YORK CITY ELECTRICAL CODE.
10. CONTRACTOR TO COORDINATE ANY POWER SHUT DOWN WITH THE AUTHORITY BEFORE COMMENCING WORK.
11. 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
12. THE CRUSHER UNIT MUST BE GROUNDED. PROVIDE A GREEN INSULATED EQUIPMENT - GROUNDING CONDUCTOR, SIZED TO THE NEW YORK CITY ELECTRICAL CODE. THE CONDUCTOR MUST BE RUN WITH THE CIRCUIT CONDUCTORS AND CONNECTED TO EQUIPMENT -GROUNDING TERMINAL ON THE COMPACTOR.
13. WHEN PENETRATIONS THROUGH THE BUILDING WALL 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:

1. REFER TO ARCHIVE CIVIL SITE DRAWINGS (NYCHA Qweb) FOR THE EXECUTION OF THE WORK SO AS NOT TO DAMAGE EXISTING UNDERGROUND UTILITIES.
2. ALL CONDUIT INSTALLATION UNDERGROUND SHALL BE INSPECTED BY A RECOGNIZED INSPECTION AUTHORITY AND NYCHA CONSTRUCTION MANAGER BEFORE BACKFILLING.
3. 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.
4. AT COMPLETION OF EXCAVATION AND BACKFILL OPERATIONS, RESTORE ALL DISTURBED PAVEMENTS, CURBS, PLANTINGS, AND LAWNS TO THEIR ORIGINAL CONDITION.
5. 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:

1. PROVIDE NEW 200A, 250V, NEMA1, FUSED, LOCKABLE DISCONNECT SWITCH AND POWER CONNECTIONS TO HDP, IN METER ROOMS. ALL SWITCHES TO BE HEAVY DUTY. PROVIDE (3)150A,250V FUSES.
2. SEE LANDSCAPE DRAWING FOR LOCATIONS OF ELECTRICAL METER ROOM LOCATION OF EXTERIOR BULK CRUSHER SITES AND ACTUAL CONDUIT LENGTHS.
3. CONTRACTOR TO PROVIDE CONDUIT AND WIRES AND TAP BUSES 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.
4. PROVIDE 3- PHASE, 240V FUSED, LOCKABLE, DISCONNECT SWITCH, NEMA 3R ENCLOSURE. THE DISCONNECT SHALL BE VISIBLE AND ACCESSIBLE TO THE OPERATOR OF THE BULK CRUSHER.
5. PROVIDE THREE- PHASE ELECTRICAL POWER SUPPLY TO EACH CONTROL PANEL OF THE EXTERIOR BULK CRUSHER HYDRAULIC POWER UNIT VIA FUSED DISCONNECT SWITCH.
6. ALL WORK SHALL BE COORDINATED WITH THE MANUFACTURER OF THE BULK CRUSHER EQUIPMENT. MAKE ELECTRICAL CONNECTIONS IN ACCORDANCE WITH EQUIPMENT MANUFACTURER'S INSTRUCTION
7. INSTALL DISCONNECT SWITCHES. MOUNT ALL ELECTRICAL CONDUIT, WIRING, SWITCHES JUNCTION BOXES ETC., TO COMPLETE EQUIPMENT WIRING REQUIREMENTS.
8. PROVIDE LIQUID TIGHT METALLIC FLEXIBLE CONDUIT TO EQUIPMENT WITH WATERTIGHT CONNECTORS IN DAMP AND WET LOCATIONS. MAKE CONDUIT CONNECTIONS TO THE EQUIPMENT USING FLEXIBLE CONDUIT.(6' MAXIMUM LENGTH)
9. VERIFY THAT EQUIPMENT IS READY FOR ELECTRICAL CONNECTION, WIRING AND ENERGIZATION. VERIFY THE POWER SOURCE VOLTAGE
10. A DECAL SHALL BE AFFIXED TO THE UNIT ENCLOSURE THAT STATES THE LOCATION OF FUSES AND THE BUILDING FROM WHICH POWER IS OBTAINED.
11. ALL INTERIOR CONDUIT TO BE RIGID GALVANIZED CONDUIT.
12. ALL EXTERIOR CONDUIT TO BE RIGID STEEL, HEAVY WALL, PVC COATED.
13. PROVIDE RACEWAY AND CONDUCTORS TO ALL ELECTRIC EQUIPMENT AS SHOWN AND AS REQUIRED.
14. WIRE SIZE SHALL BE INCREASED FOR LENGTHS RESULTING IN VOLTAGE DROP.
15. ALL ELECTRICAL EQUIPMENT SHALL BE GROUNDED AND BONDED AS PER NEC 250.
16. PROVIDE AS -BUILTS.

Key/Location Plan

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

Contract Title:
XXXXX

Contract No.: XXXXX

Drawing Title:
ELECTRICAL DETAILS FOR BULK CRUSHER

Seal & Signature:

Drawn By: XXXXX
 Checked By: XXXXX
 Date: XXXXX
 Scale: XXXXX

Drawing No.:
E-00100

Sheet X of X

Orient and Affix DOB BSCAN Sticker Here

Note to All Designated Space For DOB Employee Stamps & Signatures