

MINIMUM
TERMS
REMARK

GENERAL NOTES:
 TRANSFORMER ENCLOSURE & N.W.P. COMPARTMENTS TO BE CLEAR OF ALL FOREIGN PIPING.
 ITEMS MARKED "SEE LAYOUT", "BY CUSTOMER" OR "BY COMPANY" SHALL BE EXCLUDED BY CONTRACTOR.
 CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
 ALL UNUSED OPENINGS AND CONDUITS TO BE SEALED.
 CUSTOMER TO REMOVE, RELOCATE, OR REROUTE AT HIS EXPENSE, ALL PIPES, CONDUITS, MATERIALS AND EQUIPMENT FROM SPACE TO BE OCCUPIED BY N.W.P. COMPT'S. AND TRANSFORMER ENCLOSURES OR INTERFERING WITH THEIR CONSTRUCTION.

THE CUSTOMER SHALL NOT INSTALL EQUIPMENT IN THE N.W.P. COMPT'S. BEFORE WATERPROOFING AND 2" THICK CEMENT MORTAR PROTECTIVE COAT FINISH HAS BEEN INSTALLED ON ROOF SLAB OF THE COMPARTMENTS.
 A WATERPROOF TEST MUST BE PERFORMED AND WITNESSED BY A COMPANY-AUTHORIZED REPRESENTATIVE.
 ALL EXTERIOR DOORS OF TRANSF. & N.W.P. COMPT'S. TO BE ACCESSIBLE AT ALL TIMES AND EQUIPPED FOR COMPANY PADLOCK

ALL CONDUITS TO BE COORDINATED WITH CUSTOMER'S DRAWINGS
 SERVICE CONNECTION NOTES:
 CUSTOMER SHALL WIRE TO THESE SERVICE CONNECTIONS.
 CAPACITY OF ANY ONE SERVICE CONNECTION IS LIMITED 1800 AMPERES PER PHASE PER HALF HOUR DEMAND.
 CAPACITY OF INSTALLATION IS LIMITED TO 3600 AMPERES PER PHASE PER HALF HOUR DEMAND.

THE COMPANY'S RATE SCHEDULE PROVIDES THAT THE CUSTOMER SHALL GIVE THE COMPANY REASONABLE ADVANCE NOTICE OF INTENTION MATERIALLY TO INCREASE HIS LOAD IN THE FUTURE SO THAT ADEQUATE FACILITIES MAY BE PROVIDED.

EQUIPMENT: (SEE DIVISION OF RESPONSIBILITY)
 4-1000 KVA - 27KV 3Ø 277/480V TRANSFORMERS
 4-1000KVA 277/480V NWP & FRAMES
 2-4000 AMP DCS. SWITCHES
 3-5.33 KVA 277/480V TO 125/208V 1Ø 60 CYCLE DRY TYPE "Y-Y" AUTO-TRANSFORMERS

PLUMBING MATERIAL
 DRAIN FUNNEL
 4" E.H.C.I. PIPE
 2" GALVANIZED PIPE
 4" CHECK VALVE
 4" PIPE TRAP I.S. SIMMONS
 SF218 OR EQUAL
 SEE EO-17079 FOR ADDITIONAL MATERIAL

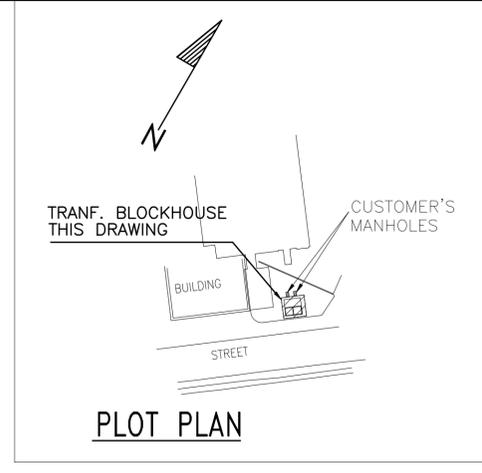
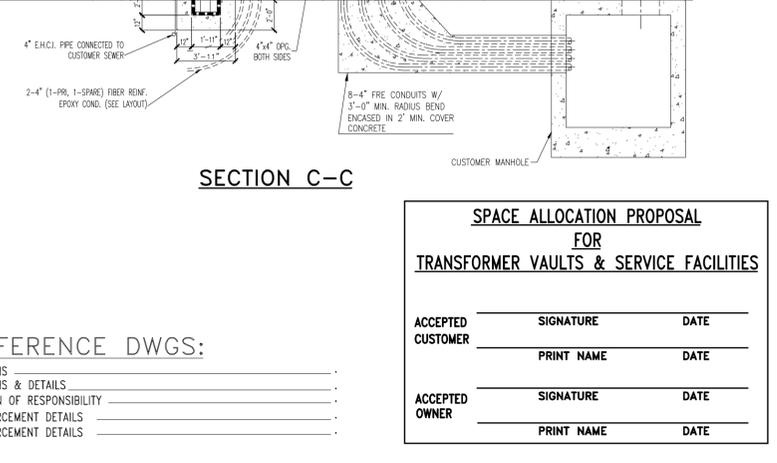
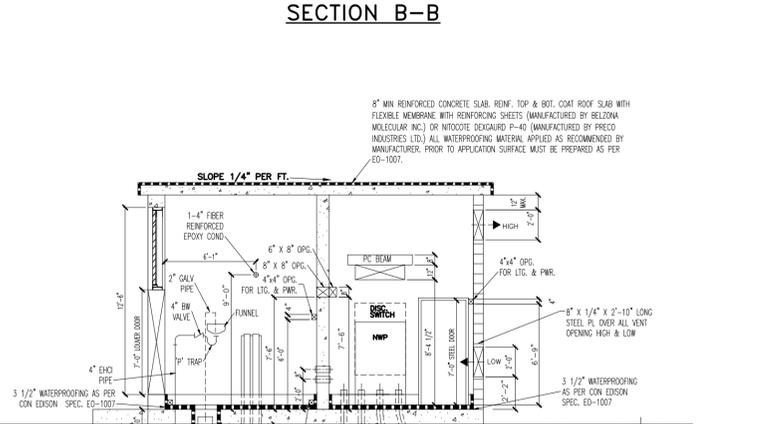
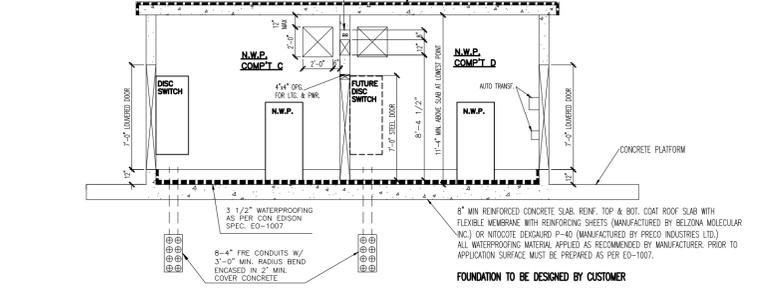
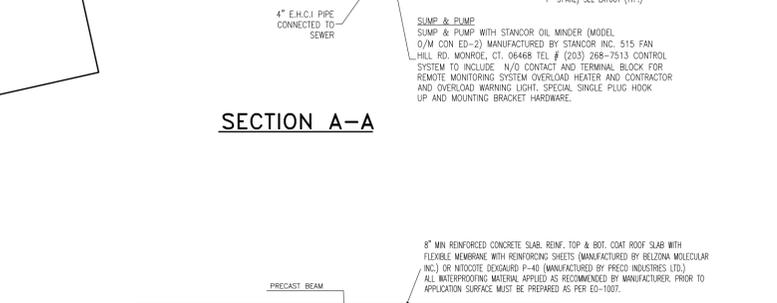
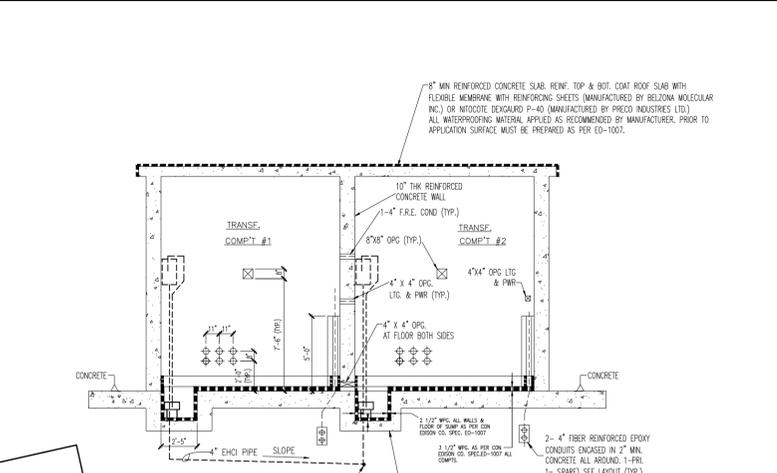
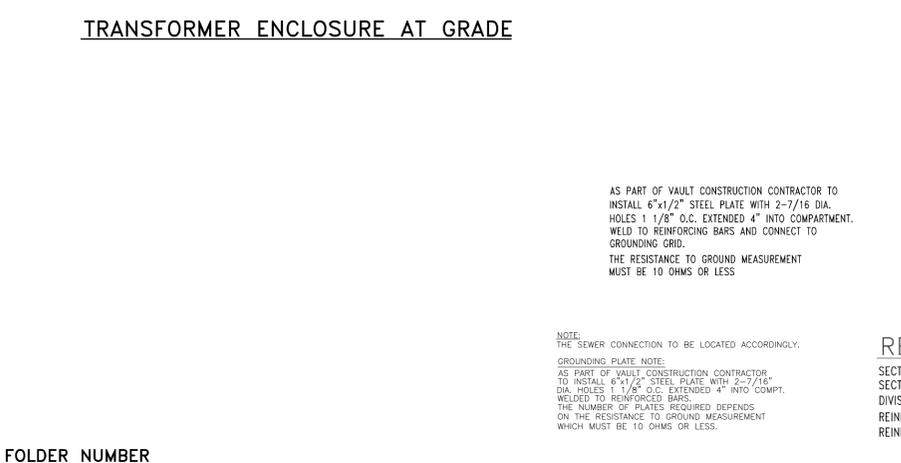
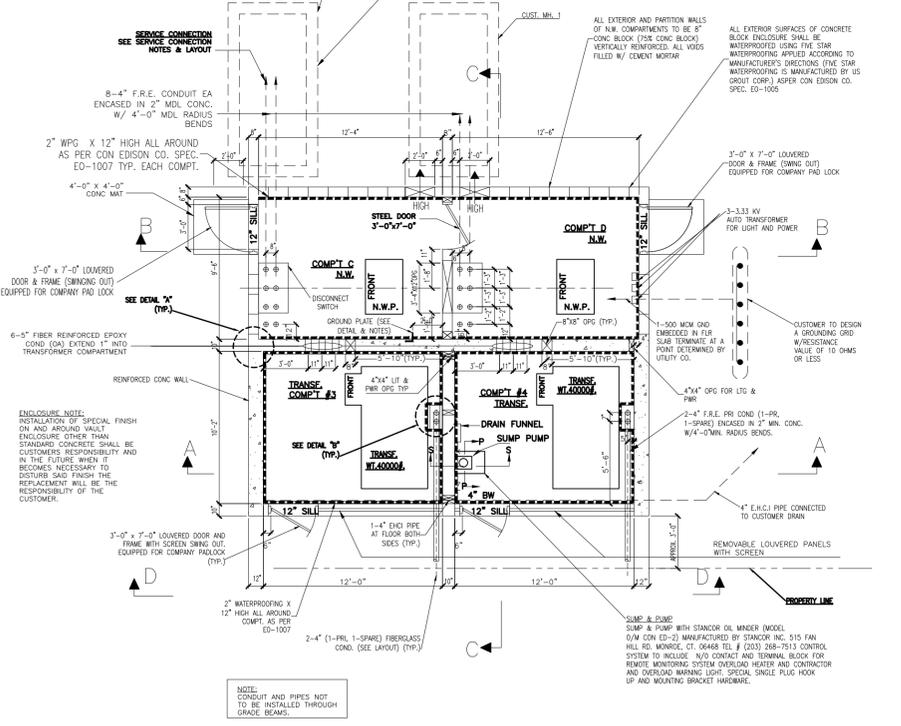
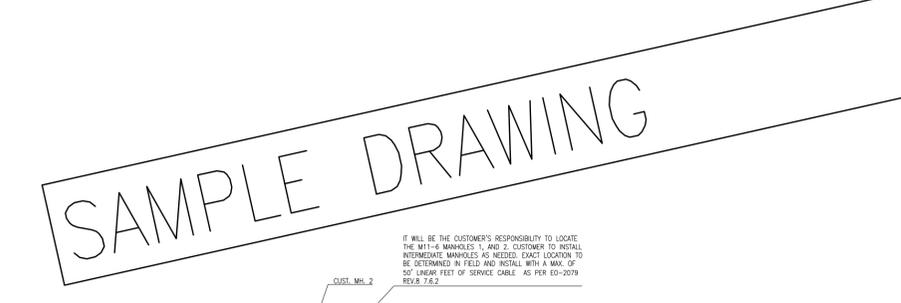
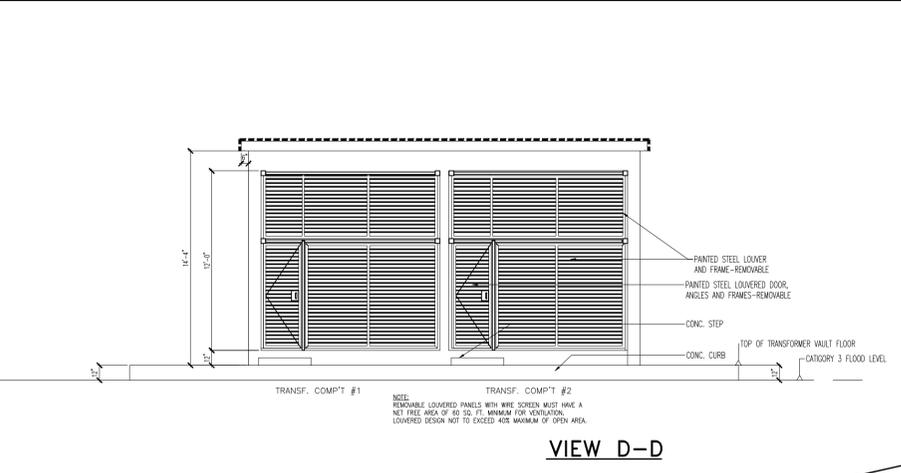
REFERENCE DWGS:
 SECTIONS _____
 SECTIONS & DETAILS _____
 DIVISION OF RESPONSIBILITY _____
 REINFORCEMENT DETAILS _____
 REINFORCEMENT DETAILS _____

FIBER REINFORCED EPOXY CONDUITS EO-100,628
 CONDUITS PURCH. SPEC. _____
 3'-0" x 7'-0" STEEL DOOR EO-16448-A
 3'-0" x 7'-0" LOUVERED DOOR EO-16448-A
 3'-0" x 7'-0" FRAME METHOD #2&4 EO-16447-A

LATCHING INSTALLATION & DETAILS EO-16450-A
 HINGE STRAP & PINTEL EO-1191
 PAINTING OF N.W.P. COMPT'S EO-1191
 PAINT FOR N.W.P. COMPT'S EO-100,184

WATERPROOFING SPEC. EO-1007
 METHOD OF SEALING CONDUIT & CABLES EO-6217-C
 LIGHT & POWER OUTLET WIRING EO-13712-B
 2'-0" x 2'-0" FIXED LOUVERED PANELS AND SCREEN EO-5494-C
 CEMENT MORTAR SPEC. EO-100,167
 MASTIC COMPOUND SPEC. EO-100,023
 WELDING SPEC. EO-11320
 CONDUIT CABLE AND EQUIPMENT ON PRIVATE PROPERTY SPEC EO-4082
 LOUVERED DOOR AND PANELS EO-4552-A
 WATERPROOFING OF CONCRETE BLOCK SPEC. EO-1005
 SUMP FRAME & COVER EO-3393-D
 INSTALLATION OF SUMP PUMP EO-12160-C
 VAULT DRAINAGE EO-16972-B
 WIRING DIAGRAM XXXXX
 PHYSICAL TRANSFORMER CONNECTIONS & N.W.P. INSTALL. XXXXXX
 PHYSICAL TRANSFORMER CONNECTIONS & N.W.P. INSTALL. XXXXXX
 PHYSICAL TRANSFORMER CONNECTIONS & N.W.P. INSTALL. XXXXXX
 PHYSICAL TRANSFORMER CONNECTIONS & N.W.P. INSTALL. XXXXXX

NOTE:
 THE SEWER CONNECTION TO BE LOCATED ACCORDINGLY.
 GROUNDING PLATE NOTE:
 AS PART OF VAULT CONSTRUCTION CONTRACTOR TO INSTALL 6"x1/2" STEEL PLATE WITH 2-7/16" DIA. HOLES 1 1/8" O.C. EXTENDED 4" INTO COMPT. WELDED TO REINFORCED BARS.
 THE NUMBER OF PLATES REQUIRED DEPENDS ON THE RESISTANCE TO GROUND MEASUREMENT WHICH MUST BE 10 OHMS OR LESS



NOTE:
 CATEGORY 3 FLOOD LEVEL= _____
 BOROUGH DATUM= _____
 FIN. FL. ELEV.= _____

- NOTE 1:
 1. SUPERVISORY PERSONNEL TO CONTACT DURING NORMAL WORKING HOURS AND NON-WORKING FOR EMERGENCIES.
 2. THE CUSTOMER SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY FUTURE WATER OR MOISTURE PROBLEMS THROUGH WALLS, CONDUITS, CEILING OR FLOOR IN N.W. COMPARTMENT SHOULD THEY OCCUR. ANY CORRECTIVE METHODS ARE TO BE COMPLETED IN ACCORDANCE WITH ESTABLISHED COMPANY METHODS AND UNDER THE DIRECTION OF THE COMPANY REPRESENTATIVE.
 3. NO METAL DECKING WITHIN THE NETWORK COMPARTMENT AREA.
 4. ALL FORMS AND BRACING USED IN CONSTRUCTION OF VAULT TO BE REMOVED BY VAULT CONTRACTOR UNLESS OTHERWISE NOTED.
 5. CUSTOMER TO FURNISH A METHOD OF CONNECTING NEUTRAL BUS TO BUILDING STEEL WITHIN N.W. PROTECTOR COMPARTMENT. THE NUMBER OF PLATES REQUIRED DEPEND ON THE RESISTANCE TO GROUND MEASUREMENT WHICH MUST BE 10 OHMS OR LESS.

- NETWORK PROTECTOR COMPT.
 1. AS PART OF VAULT CONSTRUCTION THE FLOORS, WALLS AND CEILINGS ARE TO BE PAINTED IN ACCORDANCE WITH SPEC. EO-1191. AFTER EQUIPMENT HAS BEEN INSTALLED, THE CUSTOMER IS TO REPAIR DAMAGED FLOORS, WALLS AND CEILING PAINT, IN ACCORDANCE WITH SPEC. EO-1191.
 2. CUSTOMER & CONTRACTOR TO PROVIDE CONDUIT OPENING IN WALLS OR FLOOR AS SHOWN. REINFORCING BARS SHALL CLEAR ALL CONDUIT OPENINGS BY 4" MINIMUM ON ALL SIDES. OMIT BARS WITHIN OPENINGS.
 3. FLANGES OF ALL STEEL BEAMS SHALL CLEAR SERVICE CONNECTION OPENINGS BY 8" MINIMUM.
 4. REINFORCING BARS SHALL CLEAR PARALLEL BUS OPENINGS AND SERVICE CONNECTION OPENINGS BY 4" MINIMUM ON ALL SIDES.
 5. ALL BUILDING STEEL IN NETWORK PROTECTOR COMPARTMENT SHALL BE ENCASED IN A MINIMUM 2" CONCRETE PROTECTION BY CUSTOMER.
 6. CUSTOMER SHALL REMOVE ALL CONCRETE FORMS IN NETWORK PROTECTOR COMPARTMENT AREA PRIOR TO CONSTRUCTION BY OTHERS.

NOTE:
 CUSTOMER TO MAINTAIN AN ADEQUATE LANE TO TRANSFORMERS ENCLOSURE FOR THE INSTALLATION AND REPLACEMENT OF EQUIPMENT.
 THE TRANSFORMER SHALL BE TRANSPORTED TO THE TRANSFORMER ENCLOSURE IN AN UP RIGHT, LEVEL POSITION.
 DAMAGE CAUSED BY THE CUSTOMER OR HIS CONTRACTOR TO THE TRANSFORMER WHILE TRANSPORTING TO OR FROM POINT OF DELIVERY IS THE CUSTOMER'S RESPONSIBILITY. THE CUSTOMER SHALL REPORT ALL SUCH DAMAGE TO THE COMPANY'S REPRESENTATIVE.

2-460-FC-BHPL-TNT

CONTRACTOR SHALL SUBMIT STRUCTURAL STEEL AND CONCRETE WALL SHOP DRAWINGS FOR CON EDISON REVIEW AND APPROVAL.

NO FORM TIES ALLOWED

SPACE ALLOCATION AND DIVISION OF RESPONSIBILITY

DO NOT SCALE THIS DWG., USE DIMENSIONS AS SHOWN

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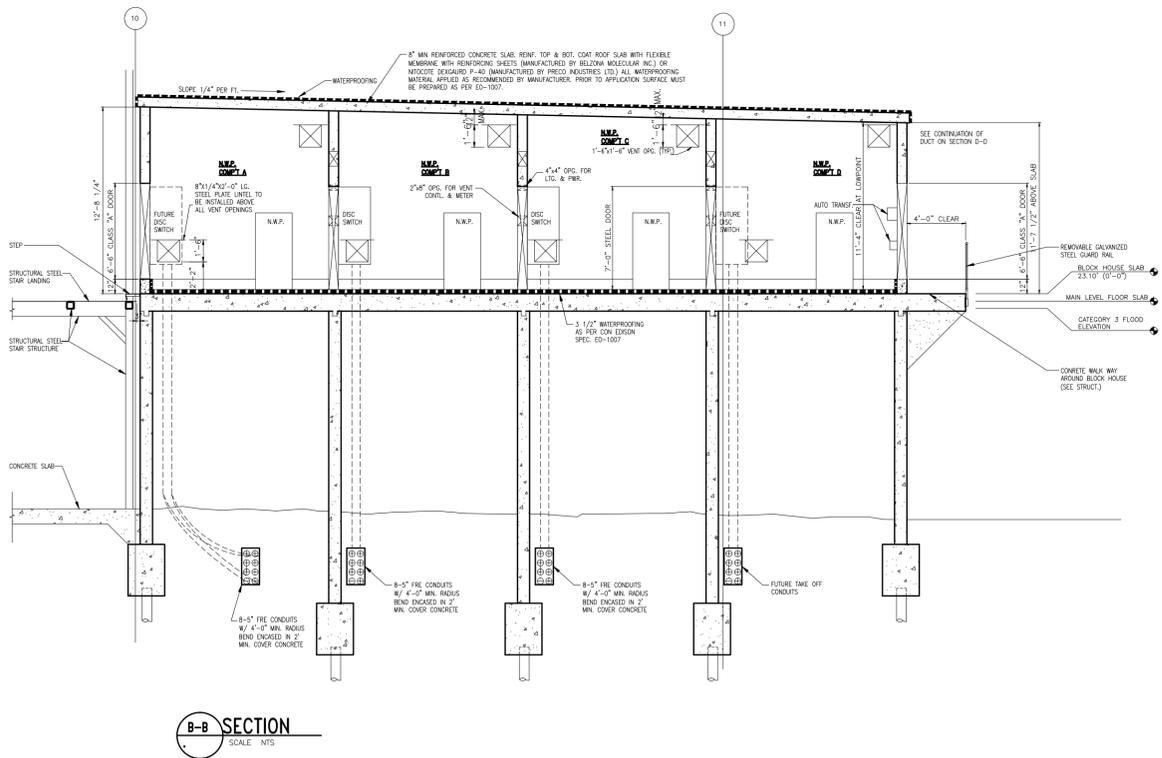
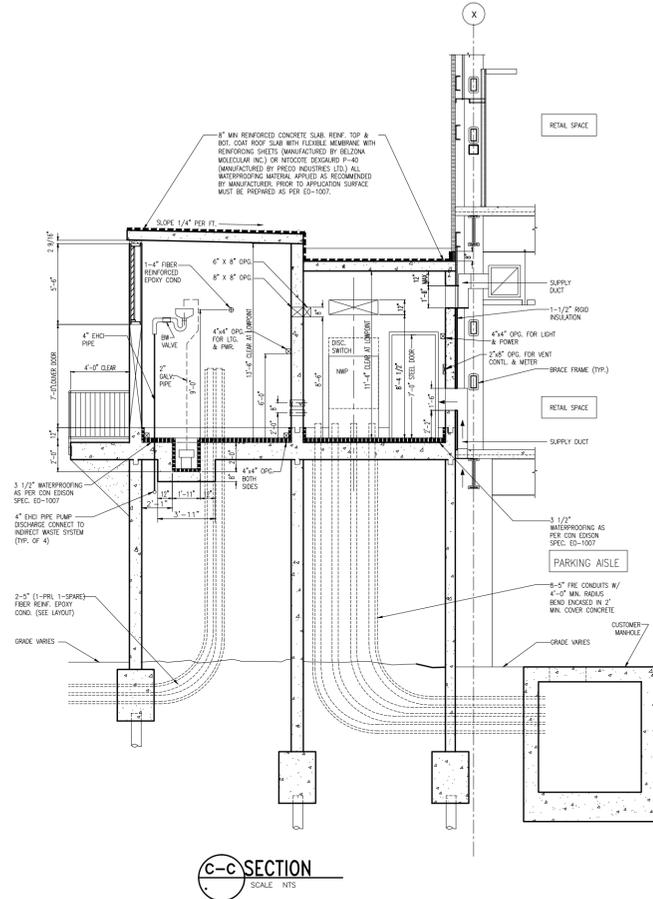
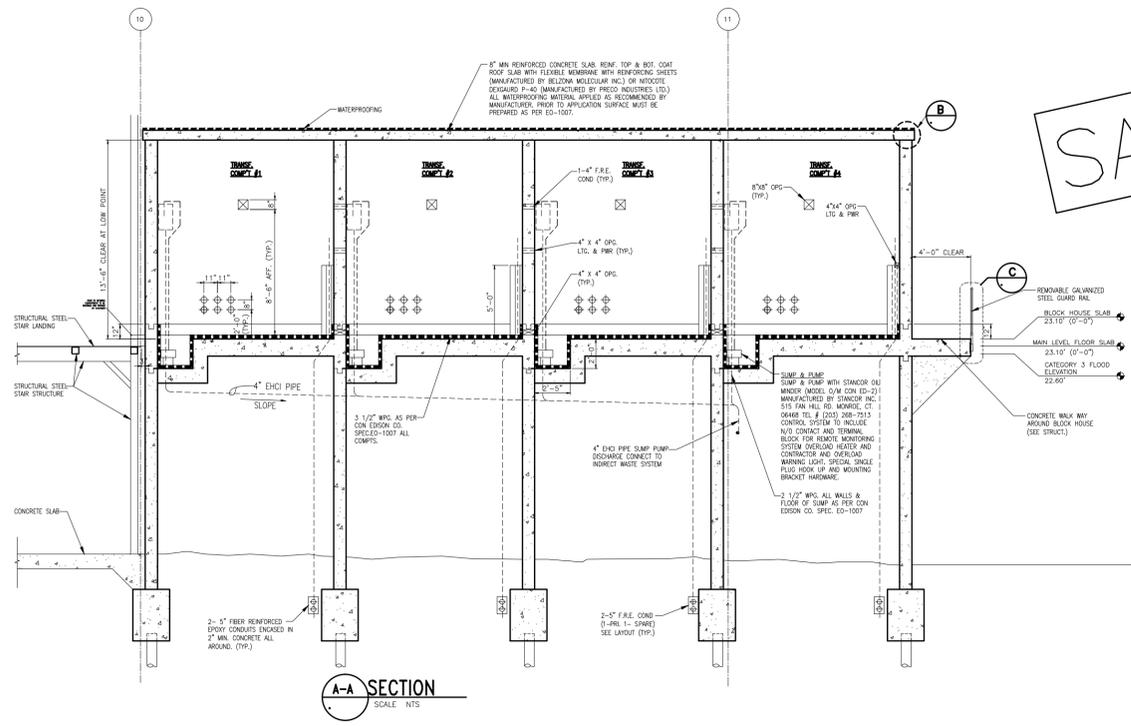
CONSOLIDATED EDISON CO. OF NEW YORK, INC.			
NAME	NAME 2		
STREET	BROOKLYN		
TRANSFORMER ENCLOSURE LAYOUT			
AT GRADE INSIDE PROPERTY LINE			
277/480V.			
SCALE	NONE	DATE	DESIGNED
L.A.	2-460-FC-BHPL-TNT	DATE	DWG.
MANAGER	VAULT & BUS DESIGN	DESIGNED	
SECTION MANAGER	CUSTOMER ENGINEERING	DATE	
MANAGER	ENERGY SERVICES	DATE	
CUSTOMER PROJECT MANAGER		DATE	
FOR DEPARTMENT MANAGER	DIST. EQUIP. & SUBSTA.	DATE	

SPACE ALLOCATION PROPOSAL FOR TRANSFORMER VAULTS & SERVICE FACILITIES

ACCEPTED CUSTOMER	SIGNATURE	DATE
ACCEPTED OWNER	SIGNATURE	DATE
ACCEPTED CUSTOMER	PRINT NAME	DATE
ACCEPTED OWNER	PRINT NAME	DATE

REFERENCE DWGS:
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 REINFORCEMENT DETAILS _____

SAMPLE DRAWING



4-460-FC-COLMBH-TNT-S

CONSOLIDATED EDISON CO. OF NEW YORK, INC.	
BROOKLYN	
STREET	
BET. AND STREETS	
BROOKLYN	
TRANSFORMER ENCLOSURE SECTIONS	
ABOVE GRADE INSIDE PROPERTY LINE 265/460V	
SCALE: NTS	DATE:
LA:	BY:
APPROVALS	MANAGER VAULT & BUS DESIGN
	CUSTOMER ENGINEERING
	MANAGER ENERGY SERVICES
	CUSTOMER PROJECT MANAGER
DIST. ENG.	FOR DEPARTMENT MANAGER DIST. EQUIP. & SUBSTA.

REFERENCE DWGS:

SECTIONS _____
DETAILS _____

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