CONSTRUCTION MANAGEMENT OPTION PROJECT X NEW YORK

MECHANICAL- AHU~S RANG-ING FROM 8650-6300CFM ON EACH FLOOR AND A HYDRONIC SYSTEM CONNECTED TO THE CHP PLANT

ELECTRICAL-POWER IS DIS-TRIBUTED WITH 208Y;120V, 3-PHASE ON EACH FLOORÇ DRY TYPE TRANS-FORMER

LIGHTING- THERE ARE MANY TYPES LAMPS USED WITHIN THE BUILDING IN CLUDING INCADES-CENT, METAL HALIDE, HID. THE EMERGENCY LIGHTING FO THE BUILDING IS SUPPLIEDB BY FLUORESCENT FIXTURES WITH 90 MINUTE BATTERY PACK.

STRUCTURAL- FOUNDATION MAT SLAB. 10^TWO-WAY FLAT PLATE FLOOR SLAB. COLUMN LAYOUT 24~x 24~

ARCHITECTURAL- THE
EXTERIOR WALLS NATURAL BRICK
WITH THREE CURTAIN WALL SLOTS
TO BREAK UP THE BRICK FACADE
THAT BLENDS SEAMLESSLY INTO
THE SURROUNDING HISTORICALLY
RICH TOWN

- STRUCTURAL BRACING

Reduce site congestion

Decreased required shoring

Increased installation time

-ELECTRICAL CHP CONNECTION

System cost \$25,000 with 4 year payback

-MATRIX SCHEDULE

For logistical reasons it is always better to do the u/g utilities before structure
The crowded construction site of NYC proved to be the ideal selection for creating a matrix schedule.

-BIM AND FM INTEGRATION:

Both Maximo HVAC controls and Revit can link data to equipment Excel file
Develop a prototype for one building
Develop a protocol for flagging changes
Develop searchable parameters for BIM and FM

