NOTES FOR ELECTRICAL INSTALLATION:

A. INSTALLATION SHALL MEET THE REQUIREMENTS OF THE "ELECTRIC CODE OF THE CITY OF NEW YORK" AND BE SUBJECT TO THE APPROVAL OF REGULATORY AUTHORITIES HAVING JURISDICTION.

B. ALL CONDUCTORS SHALL BE COLOR CODED AND NUMBERED AS INDICATED AND BE OF SUFFICIENT AWG SIZE. ALL CONNECTIONS SHALL BE MADE ON TERMINALS AS SHOWN AND NOT SPLICED. STRANDED WIRE SHALL BE CONNECTED TO TERMINAL BARS CROPPED.

C. ALL MATERIAL AND WIRING SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR EXCEPT AS NOTED.

D. THE METER PAN SHALL BE INSTALLED AT A MINIMUM HEIGHT OF 1' FROM FLOOR TO BOTTOM OF PAN.

E. TO FACILITATE CHANGE OF EQUIPMENT, A MINIMUM OF 12'-30' OF FLEXIBLE, METALLIC, LIQUID TIGHT CONDUIT SHALL BE USED. A TERMINAL BOX SHALL BE USED TO CONNECT THE FLEXIBLE CONDUIT TO THE CONDUIT. THE TERMINAL BOX SHALL BE LOCATED AT A HORIZONTAL DISTANCE OF APPROXIMATELY 9' FROM THE VORTEX METER BODY.

F. ALL POWER SUPPLY CABLES SHALL BE STRANDED WIRE, TINNED TYPE CBW EQUIVALENTS, AWG SIZE AS REQUIRED BY ELECTRIC CODE OF THE CITY OF NEW YORK.

G. VORTEX METER & PRESSURE TRANSMITTER GROUND SHIELDS AT KEYPANEL ONLY.

H. SIGNAL WIRE AND OR CONDUCTORS WITHIN INSTRUMENT PANEL SHALL BE #26 AWG, STRANDED. #4 CONDUCTOR S-2 TWISTED SHIELDED PAIRS, OVERALL SILVER PLATED COPPER SHELLED CCBY, 100% MOUNT, RATING TYPE UNLESS NOTED OTHERWISE IN DRAWINGS COLOR CODED AS INDICATED.

I. AC. SUPPLY TO BE UNMETERED, CONNECT TO LINE SIDE OF COMPANY ELECTRIC METER. COMPANY TO MAKE FINAL CONNECTION TO ELECTRIC SERVICE.

J. LEAVE ENOUGH SLACK WIRE AT ALL TERMINAL POINTS. 10' IN MOTOR TERMINAL BOX AND PANEL THROUGH.

K. ALL EQUIPMENT, ENCLOSURE AND CONDUIT FITTINGS PROVIDING ACCESS TO UNMETERED ELECTRIC WIRING SHALL BE SEALABLE.

L. PULL SHEATHS AND SHEATH ALONG THE WAY INTO FLOW COMPUTER (TOTALIZER).

M. GROUNDING REQUIREMENTS:
1) BUILDING PROTECTED GROUNDING STRAP
2) WATER MAIN S&A OFF STREET SIDE
3) BUILDING STEEL. SCRAPES CLEAN
4) #2 AND #6 COPPER WIRE 1.5' DISTANCE TO GROUND
5) NO GROUND CT CABINET OR S&D METER PAN

OVERALL WIRING DIAGRAM FOR VORTEX METER WITH LIMITORQUE VALVE & PRESSURE TRANSMITTER

SHEET 2 OF 2

CONSOLIDATED EDISON COMPANY OF N.Y., INC.
STEAM DISTRIBUTION ENGINEERING

S-635 REV

S-635

INITIAL DATE: 12/1/89
DRAWN TO SCALE: 07/01/90