

E0-9073-B

REVISIONS

E. HARTLEY 11-7-25 **12**

- REDRAWN TO AUTOCAD.
- UPDATED REQUIREMENTS TABLE AND DIMENSIONS & CLEARANCES TABLE.
- ADDED SHEET 2

D.E. 11-7-25

TABLE 1: DIMENSIONS AND CLEARANCES FOR ARRANGEMENT 01-05

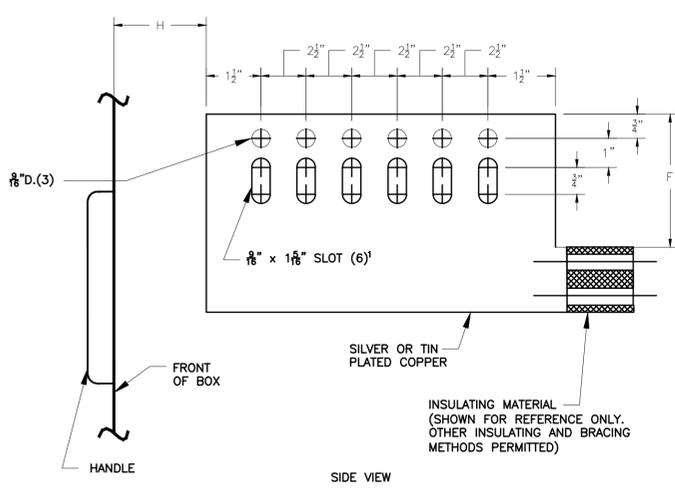
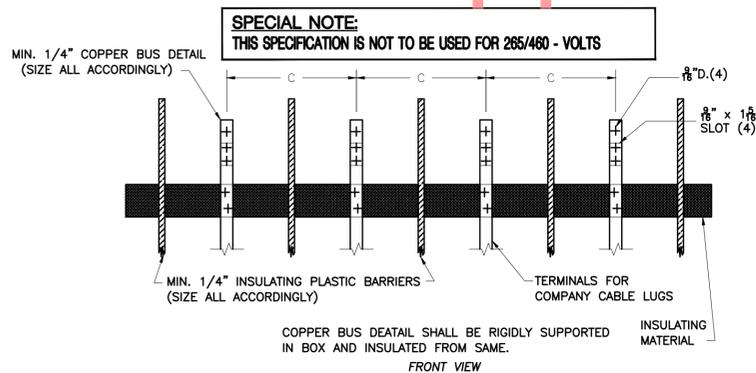
CODE	CLEARANCES	MIN (IN)	MAX (IN)
A	BETWEEN CENTER OF ADJACENT CONDUITS	6	10
B	CENTER OF OUTERMOST CONDUIT TO ADJACENT WALL	5	—
C	BETWEEN EACH COPPER BUS DETAIL	8	—
D	DISTANCE FROM NEAREST COMPANY CONDUIT TO COPPER BUS DETAIL	NO. COMPANY SETS: 3-6	36
		NO. COMPANY SETS: 7-12	48
E	BETWEEN CENTERLINE OF OUTERMOST COPPER BUS DETAIL TO SIDEWALL	8	—
F	AREA DEDICATED TO COMPANY CONNECTIONS	4	—
G	FLOOR TO TOP OF COPPER BUS DETAIL	20	50*
H	BETWEEN FRONT COVER(S) AND COPPER BUS DETAIL	4	8
J	CENTER OF CONDUIT TO FRONT/BACK WALL	9	12

* MAY BE INCREASED WHERE CONDITIONS WARRANT. WILL REQUIRE APPROVAL FROM ENERGY SERVICES MANAGER.

REQUIREMENTS			
RECOMMENDED STANDARD CABLE SIZES	COPPER	CON EDISON	#6, #2, 2/0, 4/0, 500 KCMIL
		CUSTOMER ONLY	#6, #2, 2/0, 4/0, 500 KCMIL & 600 KCMIL
COMPANY CONNECTORS AND METHODS OF CONNECTIONS	ALUMINUM	CUSTOMER ONLY	#4, 1/0, 4/0, 350 KCMIL, 2-350 KCMIL, 750 KCMIL, 900 KCMIL
	SEE E0-5403	---	---
CONNECTION OF CUSTOMER SERVICE CABLES	THE CUSTOMER SHALL PROVIDE AND CONNECT THEIR SERVICE CABLES TO A SUITABLE COPPER BUS DETAIL VIA A LUGGED CONNECTION.		THE CUSTOMER SHALL NOT SPLICE INTO CUSTOMER CABLE WITHIN SERVICE END BOX. CUSTOMER SHALL BOLT ON REQUIRED CONNECTION(S) USING SUITABLE LUGS.
SERVICE END BOX ENCLOSING	THE BOX ENCLOSING THE REQUIRED SPACE SHALL CONFORM TO THE FOLLOWING		---
	BOX SHALL BE IDENTIFIED BY THE MANUFACTURER'S NAME		---
	BOX SHALL BE MADE OF GALVANIZED SHEET STEEL AND HAVE A FINISH OF GRAY ENAMEL		---
	THE GAUGE OF THE STEEL SHALL CONFORM WITH THE REQUIREMENTS OF THE UNDERWRITERS LABORATORIES INC.		---
	FRONT COVER OF BOX SHALL BE SEALABLE AND BE EQUIPPED WITH TWO HANDLES PER COVER		---
	THE CUSTOMER SHALL SUBMIT FOR COMPANY APPROVAL ON ANY PROPOSED CHANGE IN DESIGN OF BOXES INDICATED ON THIS DRAWING		---
	"120/208 VOLTS" BLACK LABEL WITH WHITE LETTERING LOCATED ON THE INSIDE AND OUTSIDE OF THE ENCLOSURE		---
	AN INSULATED SUPPORT BAR MADE OF NON-CONDUCTIVE MATERIAL AND HAVING BULLNOSED EDGES TO BE INSTALLED IF CONDUITS ARE STACKED OR DISTANCE >36".		ARRANGEMENTS 03-05 REQUIRE SUPPORT WITHIN 36" FROM THE TOP OF THE COPPER BUS DETAIL IF >36" TO SUPPORT CABLE LIMITER LUGS.
	SHALL BE INSTALLED ON A WALL FACE EITHER VERTICALLY OR HORIZONTALLY AS SHOWN.		UNDER NO CIRCUMSTANCES ARE NEW INSTALLATIONS TO BE HUNG TO THE CEILING.
	BEFORE FABRICATION, THE CUSTOMER SHALL SUBMIT A CUT SHEET(S) TO CON EDISON FOR REVIEW AND APPROVAL. FAILURE TO PROVIDE PRIOR TO INSTALLATION AND CON EDISON APPROVAL MAY RESULT IN UNNECESSARY DELAYS IN PROVIDING SERVICE.		---
	THERE SHALL NOT BE ANY UNPROTECTED PROTRUSIONS IN THE CABLE SPACE OF THE ENDLINE BOX.		---
	THE CUSTOMER MAY BE REQUIRED TO PROVIDE SCAFFOLDING FOR COMPANY CABLE INSTALLATION, CONNECTIONS, AND/OR MAINTENANCE. CONSULTATION BETWEEN THE CUSTOMER, ENERGY SERVICES, AND COMPANY CREWS IS REQUIRED TO DETERMINE.		---
	THERE SHALL BE A MIN 36" OF CLEARANCE IN FRONT OF THE SERVICE END BOX ENCLOSURE.		---
	SERVICE END BOX SHALL HAVE A MINIMUM DEPTH OF 18 INCHES.		---
CUSTOMER CABLE SHALL NOT BE LOCATED ON THE COMPANY SIDE OF THE SERVICE END BOX		---	
COMPANY CABLE CONDUITS SHALL BE FLUSH WITH THE ENCLOSURE.		---	

5" 120/208 VOLTS

Approved
SIGNAGE (SEE REQUIREMENTS)



¹ THE NUMBER OF SLOTS IN THE COPPER BUS DETAIL MAY BE REDUCED DOWN TO 3 SLOTS IF THERE ARE NO MORE THAN 6 SETS OF COMPANY CABLE IN THE SERVICE END BOX.
² SEE ARRANGEMENTS 01-05 ON SHEET 2/2 FOR MORE INFORMATION.

REFERENCE DWGS:
CUSTOMER'S ELECTRIC SERVICE FROM STREET CABLE SYSTEM: E0-9072-B
SPACE REQUIREMENTS - 2-500 KCMIL COPPER CABLES PER PHASE E0-9525-B
BUILDINGS WITH BASEMENTS AT PROPERTY LINE E0-6208-D
BUILDINGS WITH BASEMENTS BACK OF PROPERTY LINE E0-6209-D
BUILDINGS WITHOUT BASEMENTS AT PROPERTY LINE E0-6211-D
BUILDINGS WITHOUT BASEMENTS BACK OF PROPERTY LINE E0-6212-D
BUILDINGS WITH SUITABLE SUB-SIDEWALK SPACE OUTSIDE OF PROPERTY LINE E0-6214-D
FOR 265/460V SPACE REQUIREMENTS - MAX 3-500 KCMIL COPPER CON ED CABLE PER PHASE - 346211-0

CUSTOMER'S 120/208 VOLT ELECTRIC SERVICE SPACE REQUIREMENTS FOR COMPANY CABLES IN SERVICE END BOXES MAX. 12-500 KCMIL COPPER CON EDISON CABLES PER PHASE

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

DATE 6-9-59 DWG. NO. E0-9073-B REV. 12
LAST REV. 11-7-25 SHEET 1 OF 2

FIELD MANUALS No. 4 SERV. INSTAL. SECT. 1: SERV. UNGRN'D No. 16 SERV. INSP & CTRL. SECT. 4: ELECT. SERV.

CONSTRUCTION STANDARDS MANUAL No. 3 SECTION 36 SERVICES UNDERGROUND

MAILING LIST I

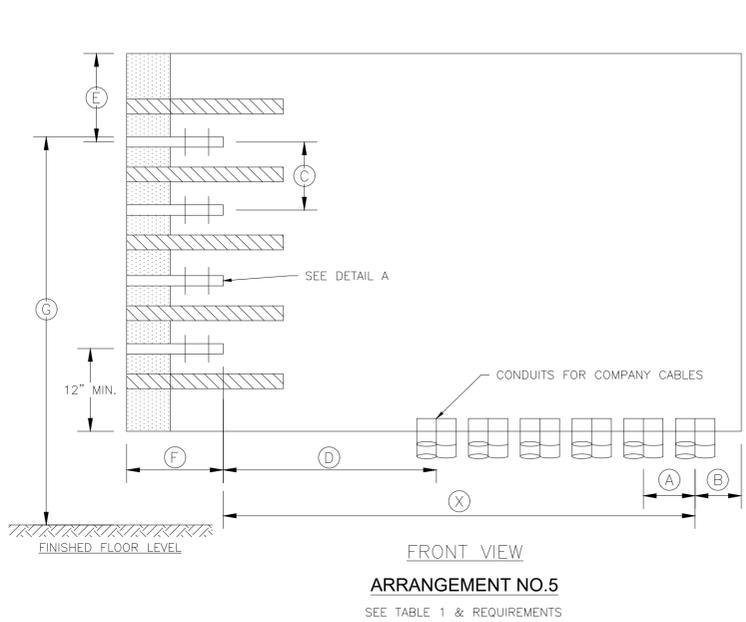
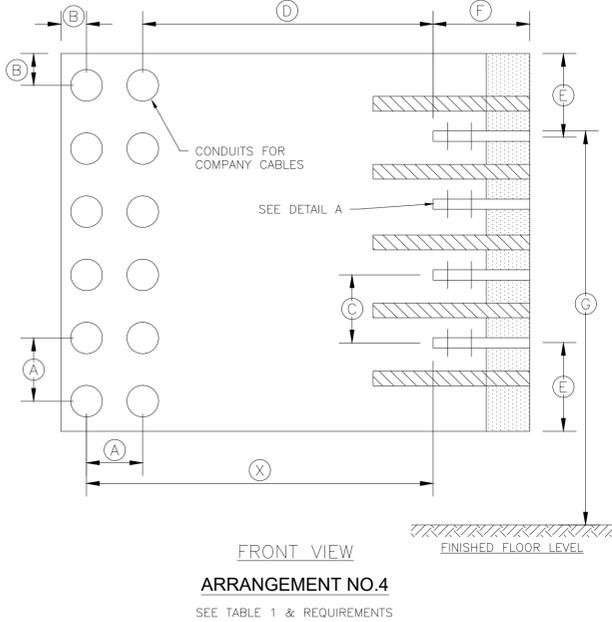
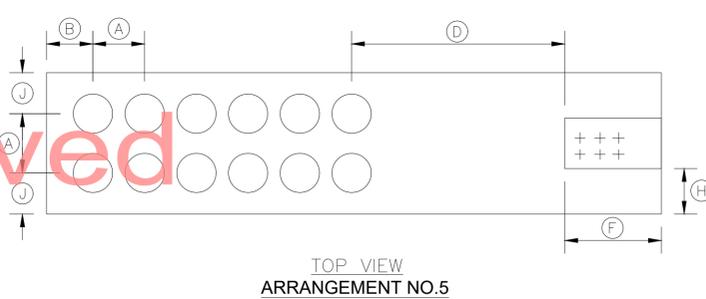
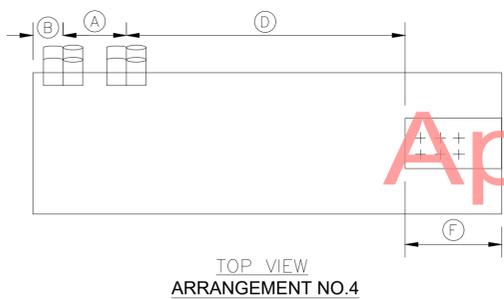
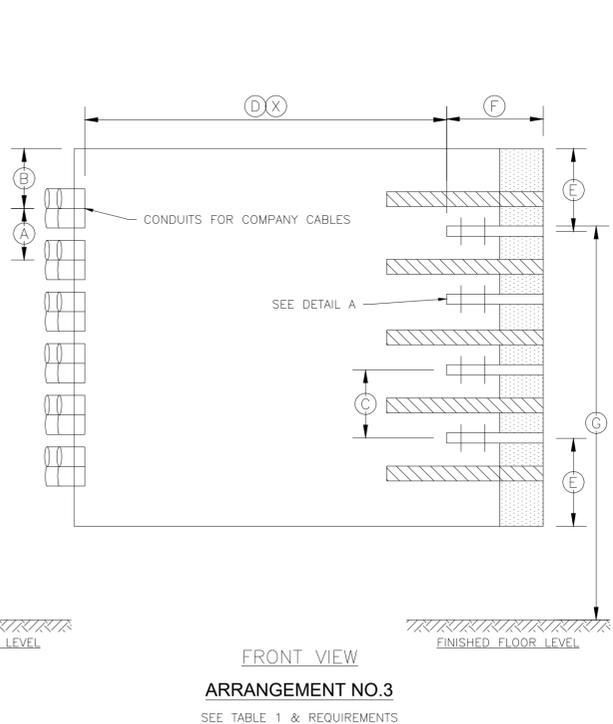
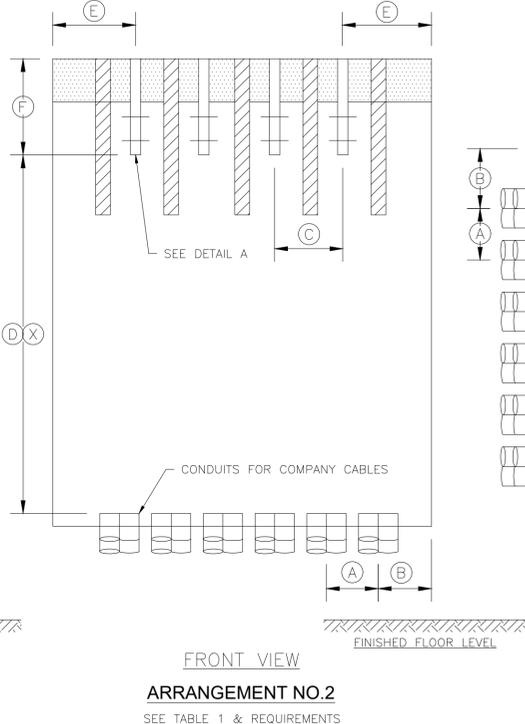
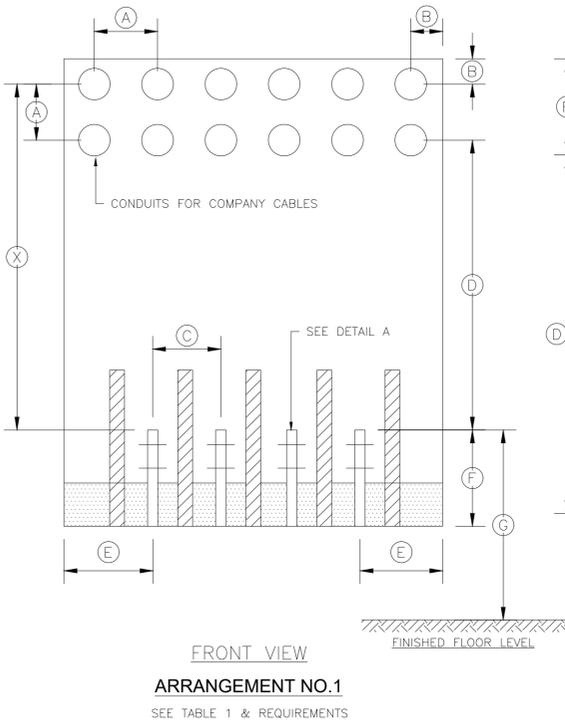
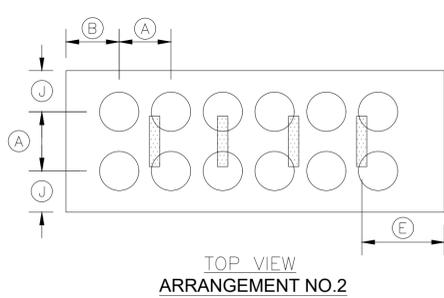
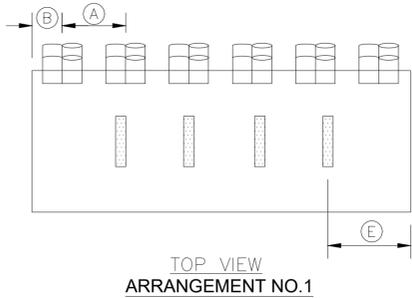
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E0-9073-B

REVISIONS

E. HARTLEY	11-7-25	12
<ul style="list-style-type: none"> • REDRAWN TO AUTOCAD. • UPDATED REQUIREMENTS TABLE AND DIMENSIONS & CLEARANCES TABLE. • ADDED SHEET 2 		
D.E.	11-7-25	



FIELD MANUALS
No. 4 SERV. INSTAL.
SECT. 1: SERV. UNGRN'D
No. 16 SERV. INSP & CTRL.
SECT. 4: ELECT. SERV.

CONSTRUCTION STANDARDS
MANUAL No. 3 SECTION
36
SERVICES UNDERGROUND

MAILING LIST 1

CUSTOMER'S 120/208 VOLT ELECTRIC SERVICE SPACE REQUIREMENTS FOR COMPANY CABLES IN SERVICE END BOXES MAX. 12-500 KCMIL COPPER CON EDISON CABLES PER PHASE

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

DATE	6-9-59	DWG. NO.	E0-9073-B	REV.	12
LAST REV.	11-7-25	SHEET 2 OF 2			

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