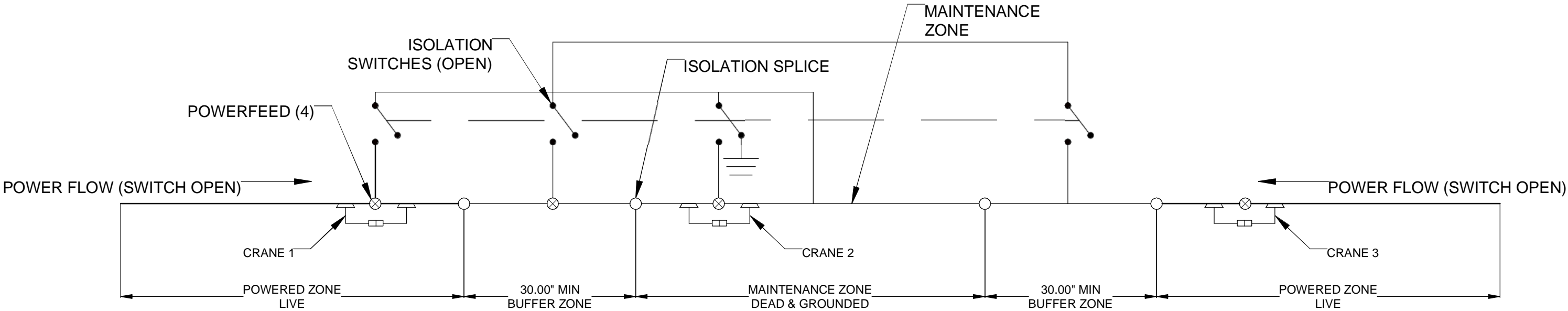


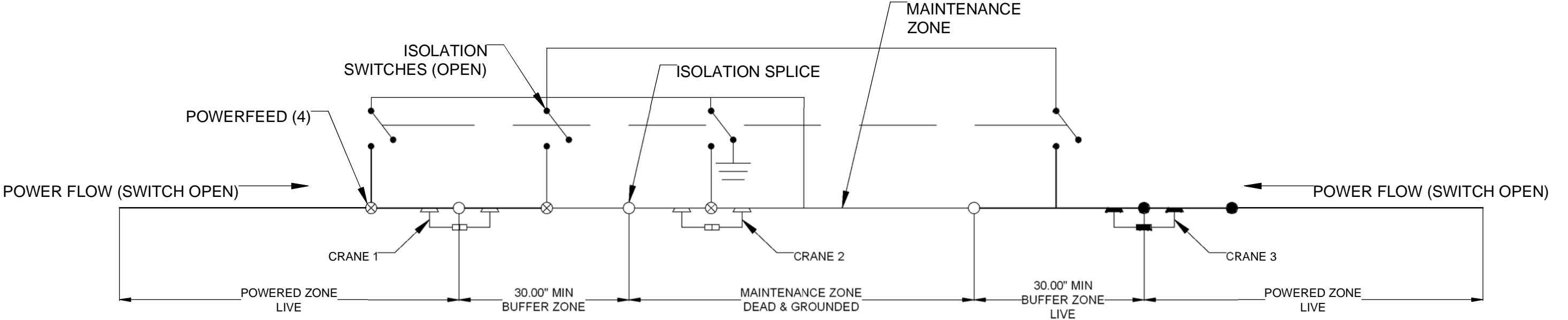
REV.	ECO NO.	REVISION DESCRIPTION	BY/DATE	APPD./DATE



Crane 2 is in the Maintenance Zone. The Isolation Switch is open and the Maintenance Zone is de-energized and grounded. The voltage indicator on the disconnect panel is unlit - indicating that the Maintenance Zone is de-energized. The Buffer Zones on either side of the Maintenance Zone are de-energized but not grounded. Crane 1 and Crane 3 are able to operate in the Powered Zones to the left and right of the Buffer Zones. It is safe to perform maintenance on Crane 2 while operating Cranes 1 and 3.

ITEM		PART NO.		DESCRIPTION		QTY.	
MATERIAL:		FINISH:		MATERIAL P/N:			
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10102 F Street Omaha, NE 68127-1181 800-521-4886		CONDUCTIX wampfler DELACHAUX GROUP		PROD.: PROJECT: SALES NO.:		DRAWING TITLE: MIDDLE MAINTENANCE BAY	

REV.	ECO NO.	REVISION DESCRIPTION	BY/DATE	APPD./DATE



Either Crane 1 or Crane 3 may bridge the outer isolation splices in the power rail, energizing the Buffer Zones. The inner isolation splices (between the Buffer Zone and the Maintenance Zone) maintain the electrical isolation (protection) of the Maintenance Zone. It is still safe to perform work on Crane 2 under this condition.

MATERIAL:

FINISH:

MATERIAL PIN:

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ITEM	PART NO.	DESCRIPTION	QTY.
BILL OF MATERIAL			
PROD.:		PROJECT:	SALES NO.:
DRAWING TITLE:		MIDDLE MAINTENANCE BAY	
ENGINEER: K FORMAN		10/11/13	SCALE: NTS
DRAWN: M SALAZAR		10/11/13	SHEET: 2 OF 4
CHECKED:		DWG. SIZE:	PART NO.:
APPROVED:		B	-----
REV.:			

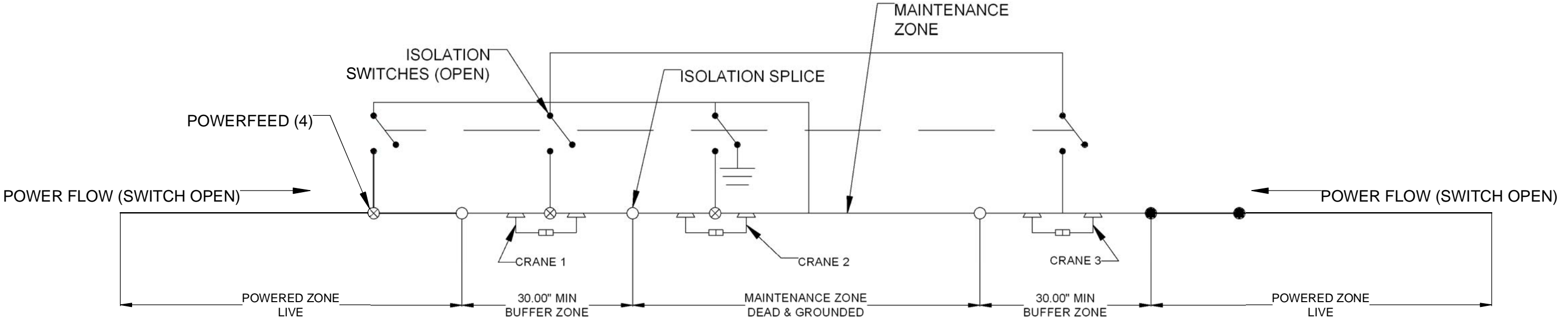
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE AS FOLLOWS:

DECIMAL	ANG.	FRAC.
.X = ±.000	±1°	±1/16
.XX = ±.030		
.XXX = ±.010		

MINIMUM MACHINE SURFACE

250

REV.	ECO NO.	REVISION DESCRIPTION	BY/DATE	APPD./DATE



Cranes 1 and 3 have moved completely into the Buffer Zones. Because the length of the Buffer Zones are greater than the spans of Crane 1 and Crane 3's tandem collectors, they cannot bridge power from the Powered Zones into the Maintenance Zone. The Buffer Zones and the Maintenance Bay remain de-energized. It is still safe to perform work on Crane 2.

MATERIAL:

FINISH:

MATERIAL P/N:

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ITEM	PART NO.	DESCRIPTION	QTY.
BILL OF MATERIAL			
PROD.:		PROJECT:	SALES NO.:
DRAWING TITLE:		MIDDLE MAINTENANCE BAY	
ENGINEER: K FORMAN		10/11/13	SCALE: NTS
DRAWN: M SALAZAR		10/11/13	SHEET: 3 OF 4
CHECKED:		DWG. SIZE: B	PART NO.: -----
APPROVED:		REV.:	

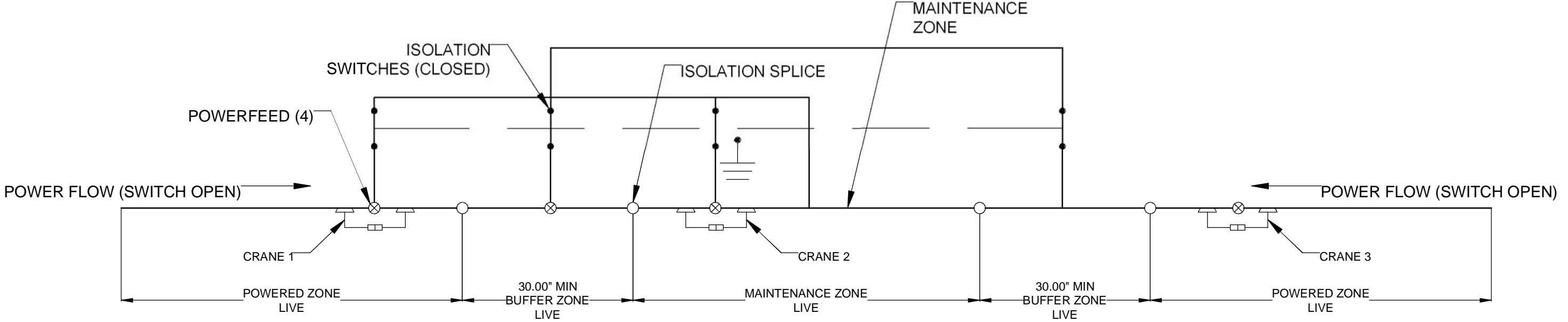
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE AS FOLLOWS:

DECIMAL	ANG.	FRAC.
.X = ±.060	±1°	±1/16
.XX = ±.030		
.XXX = ±.010		

MINIMUM MACHINE SURFACE



REV.	ECO NO.	REVISION DESCRIPTION	BY/DATE	APPD./DATE



Maintenance on Crane 2 is completed and the disconnect switch is closed. All sections are energized and normal crane operation is restored. The voltage indicator on the disconnect switch enclosure shows the Maintenance Zone to be energized.

MATERIAL:

FINISH:

MATERIAL P/N:

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ITEM	PART NO.	DESCRIPTION	QTY.
BILL OF MATERIAL			
PROD.:		PROJECT:	SALES NO.:
10102 F Street Omaha, NE 68127-1181 800-521-4886		DRAWING TITLE: MIDDLE MAINTENANCE BAY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE AS FOLLOWS: DECIMAL ANG. FRAC. .X = ±.060 ±1° ±1/16 .XX = ±.030 .XXX = ±.010 MINIMUM MACHINE SURFACE		ENGINEER: K FORMAN 10/11/13 DRAWN: M SALAZAR 10/11/13 CHECKED: APPROVED:	SCALE: NTS SHEET: 4 OF 4 DWG. SIZE: B PART NO.: ----- REV.: