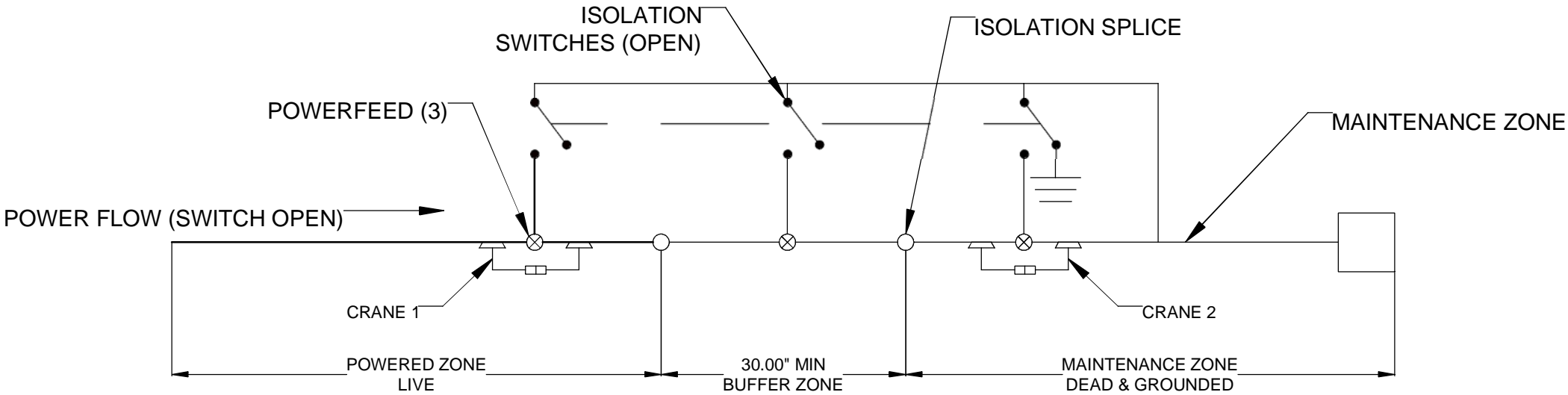


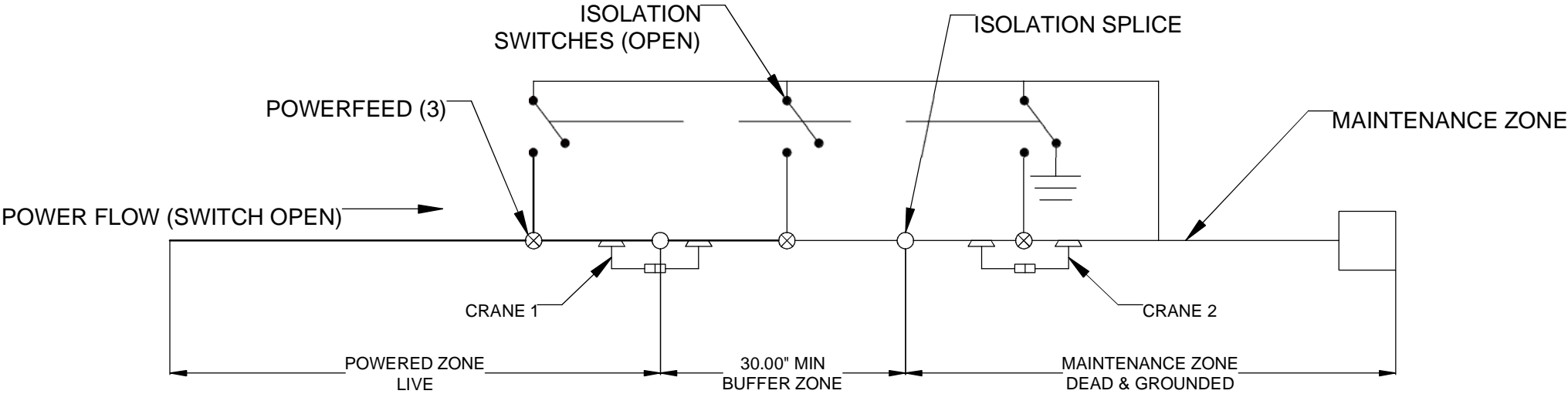
REV.	ECO NO.	REVISION DESCRIPTION	BY/DATE	APPD./DATE



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 Zone is de-energized but not grounded. Crane 1 is able to operate in the Powered Zone to the left of the Buffer Zone. It is safe to perform maintenance on Crane 2 while operating Crane 1.

ITEM		PART NO.		DESCRIPTION		QTY.	
MATERIAL:		FINISH:		MATERIAL P/N:			
10102 F Street Omaha, NE 68127-1181 800-521-4886		<b>CONDUCTIX</b> wamplifier DELACHAUX GROUP		PROD.: PROJECT: SALES NO.:		DRAWING TITLE: <b>END MAINTENANCE BAY</b>	
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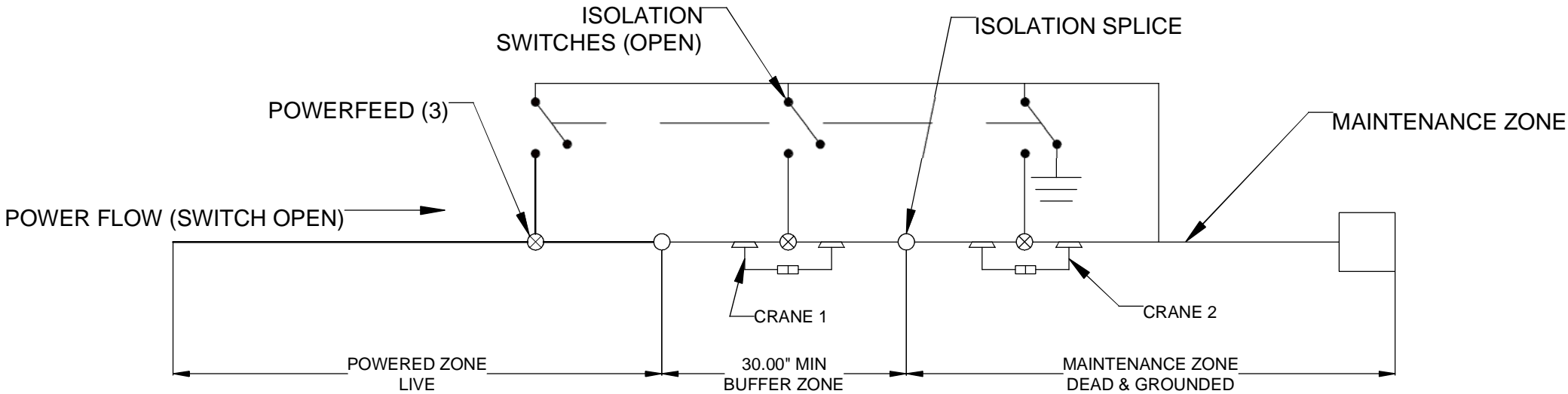
REV.	ECO NO.	REVISION DESCRIPTION	BY/DATE	APPD./DATE



Crane 1 has bridged the outer isolation splice in the power rail, energizing the Buffer Zone. The inner isolation splice (between the Buffer Zone and the Maintenance Zone) maintains the electrical isolation (protection) of the Maintenance Zone. It is still safe to perform work on Crane 2.

MATERIAL:  FINISH:  MATERIAL P/N:	ITEM		PART NO.		DESCRIPTION		QTY.	
	BILL		OF		MATERIAL			
	PROD.:		PROJECT:		SALES NO.:			
	DRAWING TITLE:		END MAINTENANCE BAY					
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	DECIMAL ANG. FRAC.		DRAWN: M SALAZAR		10/11/13		SHEET: 2 OF 4	
	.XX = ±.030 .XXX = ±.010		CHECKED:				DWG. SIZE: B	
	MINIMUM MACHINE SURFACE		APPROVED:				PART NO.: -----	

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



Crane 1 has moved completely into the Buffer Zone. Because the length of the Buffer Zone is greater than the span of Crane 1's tandem collectors, it is unable to bridge power from the Powered Zone into the Maintenance Zone. The Buffer Zone and the Maintenance Bay remain de-energized. It is still safe to perform work on Crane 2.

MATERIAL:

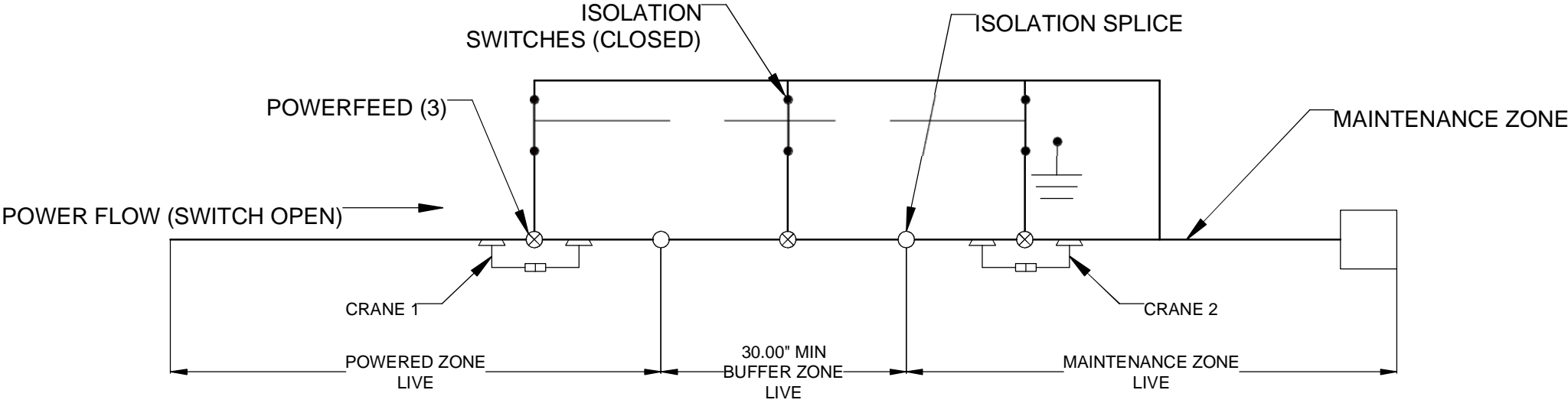
FINISH:

MATERIAL FIN:


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ITEM	PART NO.	DESCRIPTION	QTY.
BILL OF MATERIAL			
PROD.:		PROJECT:	SALES NO.:
DRAWING TITLE:		END 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.:	

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.

ITEM		PART NO.		DESCRIPTION				QTY.					
				BILL OF MATERIAL									
MATERIAL:		<div><p>10102 F Street Omaha, NE 68127-1181 800-521-4888</p><p><b>DELACHAUX GROUP</b></p></div>		PROD.:		PROJECT:		SALES NO.:					
FINISH:				DRAWING TITLE:									
MATERIAL P/N:				END MAINTENANCE BAY									
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				DRAWN: M SALAZAR		10/11/13		DWG. SIZE:		PART NO.:		REV.:	
				CHECKED:				B		-----			
				APPROVED:									