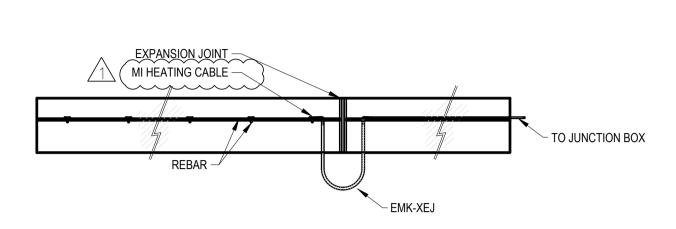
NVENT THERMAL MANAGEMENT 7433 HARWIN DRIVE HOUSTON, TX 77036 TOLL FREE: 1-800-545-6258 PHONE: (650) 216-1526 FAX: (800) 527-5703 www.raychem.nvent.com

REVISION DATE 12/01/2023

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EXPANSION JOINT DETAIL

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

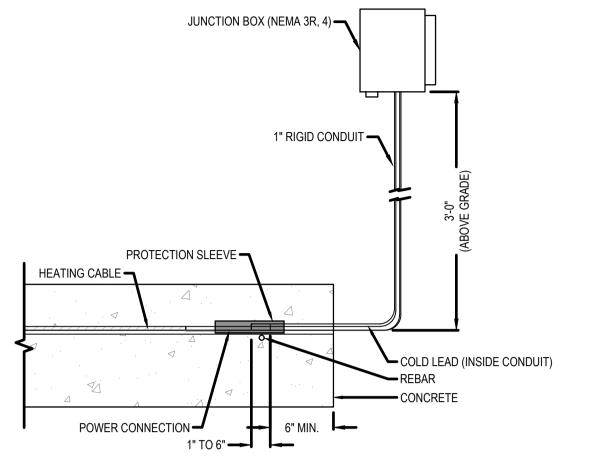
- 3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS
- FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION. 4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY
- THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.

5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER

ELECTROMELT SELF REGULATING SNOW MELTING SYSTEMS ELECTROMELT EXPANSION JOINT DETAIL

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RAYCHEM www.RAYCHEM.nVent.com



1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS

JUNCTION BOX DETAIL

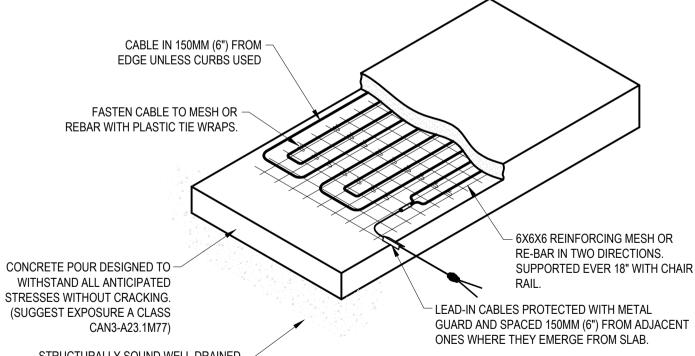
- FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION. 4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY
- THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE. 5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER

nVent RAYCHEM ELECTROMELT SNOW MELTING SYSTEMS ELECTROMELT JUNCTION BOX / POWER CONNECTION DETAIL

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CONCRETE POUR DESIGNED TO -SUPPORTED EVER 18" WITH CHAIR WITHSTAND ALL ANTICIPATED

STRUCTURALLY SOUND WELL DRAINED -BASE. (MINISTRY OF TRANSPORT CLASS A)

1. LEAD-IN CABLE SHOULD BE TERMINATED IN A JUNCTION BOX ABOVE GRADE LEVEL TO PREVENT MOISTURE FROM ENTERING FROM ENTERING THE BOX.

- 2. CARE MUST BE TAKEN NOT TO DAMAGE CABLE WITH RAKES, SHOVELS, WHEELBARROWS, ETC. 3. CONTROL JOINTS TO BE PLACED NO FURTHER THAN 20' IN ANY ONE DIRECTION.
- 4. CUT CONTROL JOINTS 1/8" WIDE AND 3/4" DEEP APPROX. 6 HOURS AFTER PLACING CONCRETE.
- 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. 2. DO NOT SCALE DRAWING.
- 3. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
- 4. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
- 5. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 2103510-SVB DD-BR-EL-07

RAYCHEM MINERAL INSULATED SNOW MELTING SYSTEMS RAYCHEM - CONCRETE SINGLE POUR INSTALLATION DETAIL

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Aerial Mounted Snow Owl Sensor Power Source 600V SMPG3 Embedded in conduit slab sensor 3ph delta load 3ph delta load SNOW MELT SURFACE

DETAIL 'B' — NORTH TUNNEL SNOW MELTING SYSTEM INSTALLATION.
N.T.S.

SERVICES MUST BE OBTAINED FROM THE

WITH CONSTRUCTION.

INDIVIDUAL UTILITIES BEFORE PROCEEDING

0 ISSUED FOR TENDER

Aerial Mounted Snow Owl Sensor Power Source 600V SMPG3 --------Embedded in conduit slab sensor 3ph delta load 3ph delta load 3ph delta load SNOW MELT SURFACE

<u>DETAIL 'C' - SOUTH TUNNEL SNOW MELTING SYSTEM INSTALLATION.</u>

CONSULTANT FILE NAME

2103510-SVB DD-BR-EL-07.dwg

ENGINEERS GEOSCIENTISTS Certificate of Authorization MORRISON HERSHFIELD No. 1736

Tblt. in S. face of E. Conc. pier in 1st row of Conc. pier PROFESSIONAL'S SEAL LOCATION APPROVED FLEV 228.166 m N. of S. end of St. Vital Bridge over Red River, UNDERGROUND STRUCTURES N. of Kingston Row, 5 m W. of E. end of Pier MORRISON HERSHFIELD SUPR. U/G STRUCTURES DATE COMMITTEE NOTE: DESIGNED CHECKED DP AD LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO APPROVED DP GC GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN RELEASED FOR CONSTRUCTION LOCATIONS ARE EXACT. CONFIRMATION OF HOR SCALE EXISTENCE AND EXACT LOCATION OF ALL UPDATED LABELS 23/01/10 DP

22/11/24 BAP

YY/MM/DD BY

VERT SCALE

JAN 10, 2023

THE CITY OF WINNIPEG **PUBLIC WORKS DEPARTMENT**

ENGINEERING DIVISION ST. VITAL TWIN BRIDGE OVER THE RED RIVER REHABILITATION AND RELATED WORKS

> **DETAILS SNOW MELTING SYSTEM INSTALLATION**

237 244 DRAWING NUMBER 237

B116-24-11

CITY FILE NUMBER

TENDER No. 615-2022

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