



200-2611 QUEENSWAY DRIVE
OTTAWA (ONTARIO) CANADA K2B 8K2
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Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

revisions	description	date
4	RE-ISSUED FOR TENDER	2014/11/07
3	ISSUED FOR TENDER	2014/03/28
2	ISSUED FOR 100% REVIEW	2014/02/14
1	ISSUED FOR 99% REVIEW	2013/11/06

A detail no. no. du détail
B location drawing no. sur dessin no.
C drawing no. dessin no.

project projet
CONFEDERATION HEIGHTS CENTRAL HEATING PLANT TUNNEL DIST. SYSTEM

BUILDING_ADDRESS

drawing dessin
MECHANICAL LEGEND, DRAWING LIST & SCHEDULES

Designed By JAYSON BOWIE Conçu par
Date 02/14/2014 (yyyy/mm/dd)
Drawn By MARIE FRANCE ETHER Dessiné par
Date 02/14/2014 (yyyy/mm/dd)
Reviewed By JAYSON BOWIE Examiné par
Date 02/14/2014 (yyyy/mm/dd)
Approved By FEDERICO ALVAREZ Approuvé par
Date 02/14/2014 (yyyy/mm/dd)

Tender TENDER Soumission
Project Manager PROJECT_MAN Administrateur de projets
Project no. No. du projet

R.059696.004

Drawing no. No. du dessin
M-01

DRAWING LIST

M-01	MECHANICAL LEGEND, DRAWING LIST & SCHEDULES
M-02	MECHANICAL HEATING & CHILLED WATER DISTRIBUTION
M-03	MECHANICAL DETAILS
M-04	MECHANICAL DETAILS
M-05	SCOPE OF ASBESTOS WORK

LEGEND

SYMBOL	DESCRIPTION
	ANCHOR
	EXPANSION JOINT
	CONCRETE COLUMN/ANCHOR
	DOUBLE EXPANSION JOINT WITH ANCHOR BASE
	EXPANSION LOOP
	BRANCH STUB
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	HIGH TEMPERATURE HOT WATER SUPPLY-1
	HIGH TEMPERATURE HOT WATER SUPPLY-2
	HIGH TEMPERATURE HOT WATER RETURN
	VALVE (BUTTERFLY AND GATE USED)
	GATE VALVE (NORMALLY CLOSED)
	CAPPED LINE
	REDUCER
	VALVE STATION
	SEDIMENT FILTER
	EXPANSION JOINT
	EXTERNALLY PRESSURIZED BELLOWS EJ
(N)	DENOTES NEW

EXPANSION JOINT SCHEDULE

TAG	DESCRIPTION	LOCATION	Type	NOMINAL SIZE	PRESSURE RATING	OPERATING TEMP	AMBIANT TEMP	AXIAL COMPRESSION	AXIAL EXTENSION	OVERALL LENGTH	EFFECTIVE AREA	SPRING COEFFICIENT	REMARKS	
				MM	KPa	C°	C°	MM	MM	MM	mm²	kg/m		
				IN	PSI	F°	F°	IN	IN	IN	IN²	LBS/IN		
EJ-1	CHILLED WATER	BRANCH TUNNEL # 1	EXTERNALLY PRESSURIZED BELLOWS	101.6 4	1034.3 150.0	4.4 40.0	26.7 80.0	101.6 4.0	25.4 1.0	628.7 24.8	14645.1 22.7	2160.8 121.0	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED	
EJ-2	CHILLED WATER	BRANCH TUNNEL # 1	EXTERNALLY PRESSURIZED BELLOWS	101.6 4	1034.3 150.0	4.4 40.0	26.7 80.0	101.6 4.0	25.4 1.0	628.7 24.8	14645.1 22.7	2160.8 121.0	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED	
EJ-3	CHILLED WATER	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	254.0 10	1034.3 150.0	4.4 40.0	26.7 80.0	101.6 4.0	25.4 1.0	628.7 24.8	74193.4 115.0	8071.8 452.0	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED	
EJ-4	CHILLED WATER	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	254.0 10	1034.3 150.0	4.4 40.0	26.7 80.0	101.6 4.0	25.4 1.0	628.7 24.8	74193.4 115.0	8071.8 452.0	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED	
EJ-5	HTHW	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	152.0 6	2068.5 300.0	150.0 300.0	26.7 80.0	101.6 4.0	25.4 1.0	673.0 26.5	74193.4 115.0	12232.7 685.0	FLANGED ENDS - SUPPLIED BY CONTRACTOR TURN OVER TO OWNER.	
EJ-6	HTHW	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	152.0 6	2068.5 300.0	150.0 300.0	26.7 80.0	101.6 4.0	25.4 1.0	673.0 26.5	74193.4 115.0	12232.7 685.0	FLANGED ENDS - SUPPLIED BY CONTRACTOR TURN OVER TO OWNER.	

DRAWING PATH: P:\131-22000\131-22002-00_Branch Tunnel Study - Confederation High Chilled Water Mech Working Drawings\131-22002-00_M01_ Legend & Drawing List.dwg

