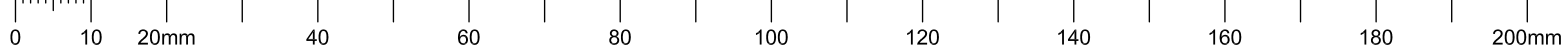


DRAWING PATH: P:\131-22000a\131-22002-00\_Branch Tunnel Study - Confederation Heights Tunnel System\Working\Drawings\Mech\Working\Drawings\131-22002-00\_MO\_Legend & Drawing List.dwg



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
	DENOTES NEW

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

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	LB/IN	
EJ-1	CHILLED WATER	BRANCH TUNNEL # 1	EXTERNALLY PRESSURIZED BELLOWS	101.6	1034.3	4.4	26.7	101.6	25.4	628.7	14645.1	2160.8	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED
				4	150.0	40.0	80.0	4.0	1.0	24.8	22.7	121.0	
EJ-2	CHILLED WATER	BRANCH TUNNEL # 1	EXTERNALLY PRESSURIZED BELLOWS	101.6	1034.3	4.4	26.7	101.6	25.4	628.7	14645.1	2160.8	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED
				4	150.0	40.0	80.0	4.0	1.0	24.8	22.7	121.0	
EJ-3	CHILLED WATER	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	254.0	1034.3	4.4	26.7	101.6	25.4	628.7	74193.4	8071.8	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED
				10	150.0	40.0	80.0	4.0	1.0	24.8	115.0	452.0	
EJ-4	CHILLED WATER	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	254.0	1034.3	4.4	26.7	101.6	25.4	628.7	74193.4	8071.8	FLANGED ENDS - SHIP FULLY PRE-COMPRESSED
				10	150.0	40.0	80.0	4.0	1.0	24.8	115.0	452.0	
EJ-5	HTHW	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	152.0	2068.5	150.0	26.7	101.6	25.4	673.0	74193.4	12232.7	FLANGED ENDS - SUPPLIED BY CONTRACTOR TURN OVER TO OWNER.
				6	300.0	300.0	80.0	4.0	1.0	26.5	115.0	685.0	
EJ-6	HTHW	BRANCH TUNNEL # 6	EXTERNALLY PRESSURIZED BELLOWS	152.0	2068.5	150.0	26.7	101.6	25.4	673.0	74193.4	12232.7	FLANGED ENDS - SUPPLIED BY CONTRACTOR TURN OVER TO OWNER.
				6	300.0	300.0	80.0	4.0	1.0	26.5	115.0	685.0	



Contractor to verify all dimensions & conditions on site and immediately notify the engineer of all discrepancies.

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
revisions	description	date

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

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 ETHIER	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