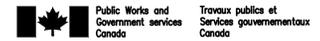


CFIA - MECHANICAL MAIN CHILLER WATER PIPING REPLACEMENT

OTTAWA FALLOWFIELD LABORATORY - 3851 FALLOWFIELD ROAD

MECHANICAL

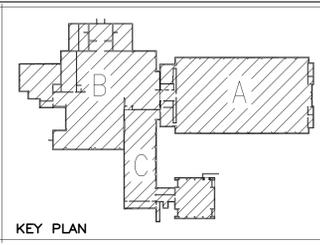


National Centre of Expertise
Architectural and Engineering Services
Real Property Services Branch

Centre d'expertise national
Services d'architecture et g nie
Direction g n rale des services immobiliers



GOODKEY WEEDMARK & ASSOCIATES LIMITED
1688 Woodward Dr. Ottawa Ontario Canada K2C 3R8
613 727-5111 Voice
613 727-5115 Fax
www.gwal.com Web



revision	date
05	ISSUED FOR TENDER 25/11/2015
04	ISSUED FOR TENDER 16/09/2015
03	ISSUED FOR 100% REVIEW 14/08/2015
02	ISSUED FOR 99% REVIEW 29/07/2015
01	ISSUED FOR 66% REVIEW 10/07/2015



project
CFIA - MECHANICAL MAIN CHILLER WATER PIPING REPLACEMENT

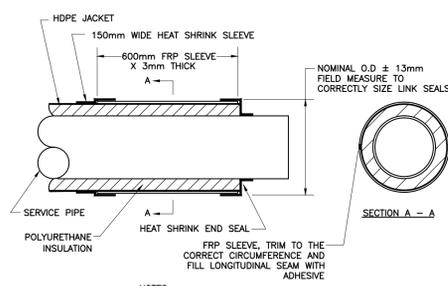
drawing
MECHANICAL DRAWING LIST, LEGEND, KEY PLAN & DETAILS

designed	S.VALLIER	conFu
date	JUNE 2015	
drawn	S.VALLIER	dessin?
date	JUNE 2015	
revised	S.HAMILTON	revis?
date	JUNE 2015	
approved	S.HAMILTON	approuv?
date	JUNE 2015	
tender	J.JOSS	soumission
PWC Project Manager	Administrateur de projets TPC	
project no.	M10138	no. du projet
drawing no.	M1	no. du dessin

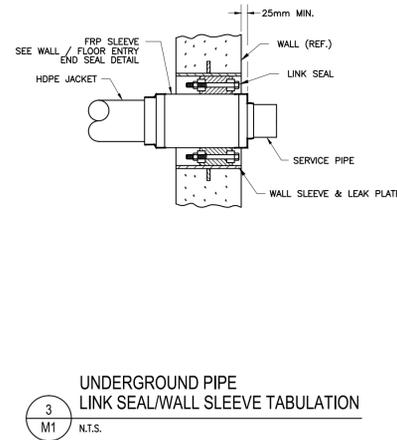
DRAWING LIST	
SYMBOL	DESCRIPTION
M1	MECHANICAL DRAWING LIST, LEGEND, KEY PLAN & DETAILS
M2	MECHANICAL BASEMENT DEMOLITION
M3	MECHANICAL BASEMENT NEW WORK
M4	MECHANICAL BASEMENT DEMOLITION & NEW WORK
M5	MECHANICAL FIRST & SECOND FLOOR DEMOLITION
M6	MECHANICAL FIRST & SECOND FLOOR NEW WORK
M7	MECHANICAL THIRD FLOOR DEMOLITION & NEW WORK
M8	MECHANICAL FOURTH FLOOR DEMOLITION & NEW WORK
M9	MECHANICAL FIFTH FLOOR DEMOLITION & NEW WORK
M10	MECHANICAL HEATING PLANT TO BASEMENT DEMOLITION & NEW WORK

MECHANICAL LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
----	PIPING BELOW GRADE/SLAB	—○—	PIPING UP
—CHWS—	CHILLED WATER SUPPLY	— —	FLEXIBLE CONNECTION
—CHWR—	CHILLED WATER RETURN	— —	REDUCER
—T—	THERMOMETER	—C—	CAP
—PG—	PRESSURE GAUGE C/W VALVE	— —	ISOLATION VALVES
—AV—	AUTOMATIC AIR VENT C/W VALVE	— —	CIRCUIT BALANCING VALVE (CBV)
—O—	PIPING OFFSET	— —	UNION
—B—	BRANCH PIPING DOWN	— —	DRAIN VALVE C/W CAP & CHAIN
—D—	PIPING DOWN	—P—	PUMP (P)
—C—	COOLING COIL	—S—	STRAINER

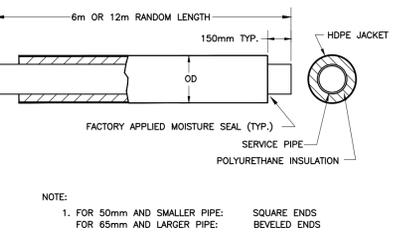
GENERAL LEGEND	
SYMBOL	DESCRIPTION
—	EXISTING PIPING/DUCTWORK/EQUIPMENT
---	EXISTING PIPING/DUCTWORK/EQUIPMENT TO BE REMOVED/RELOCATED
—	NEW/RELOCATED PIPING/DUCTWORK/EQUIPMENT
(E)	DENOTES EXISTING EQUIPMENT
(R)	DENOTES RELOCATED EQUIPMENT
(N)	DENOTES NEW EQUIPMENT
(X)	DENOTES EQUIPMENT TO BE REMOVED



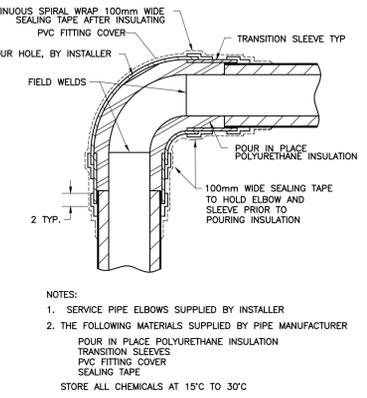
2 M1 N.T.S.
UNDERGROUND PIPE WALL/FLOOR ENTRY END SEAL FIELD KIT



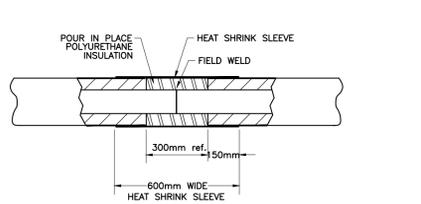
3 M1 N.T.S.
UNDERGROUND PIPE LINK SEAL/WALL SLEEVE TABULATION



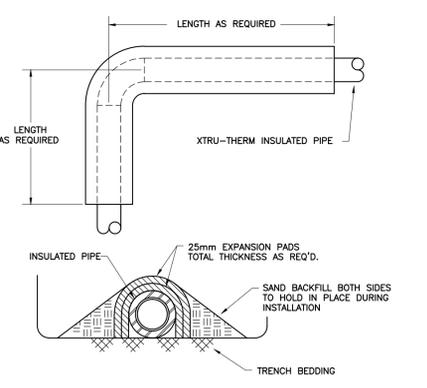
4 M1 N.T.S.
UNDERGROUND PIPE 6M / 12M RL STRAIGHT LENGTH



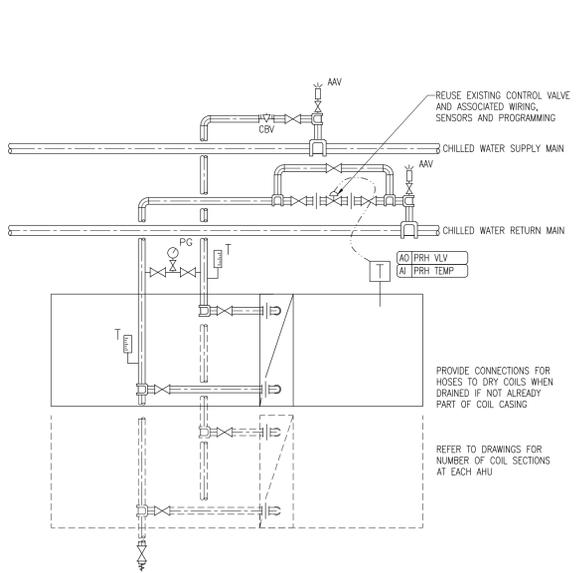
5 M1 N.T.S.
UNDERGROUND PIPE ELBOW INSULATION FIELD KIT



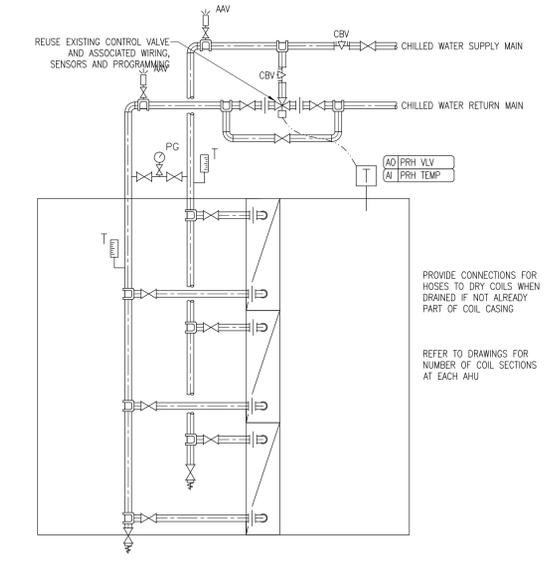
6 M1 N.T.S.
UNDERGROUND PIPE FIELD JOINT, HEAT SHRINK SLEEVE



7 M1 N.T.S.
UNDERGROUND PIPE EXTERNAL EXPANSION PADS



8 M1 N.T.S.
NEW CHILLED WATER PIPING 2-WAY VALVE DETAIL



9 M1 N.T.S.
NEW CHILLED WATER PIPING 3-WAY VALVE DETAIL

