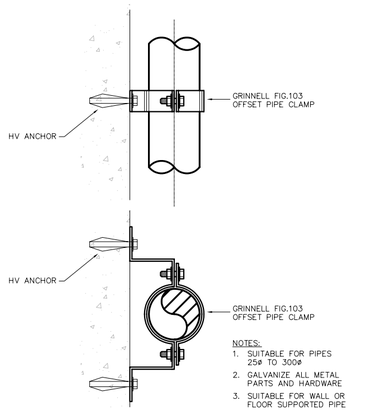
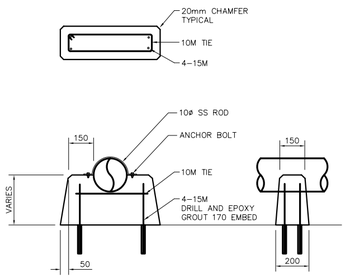
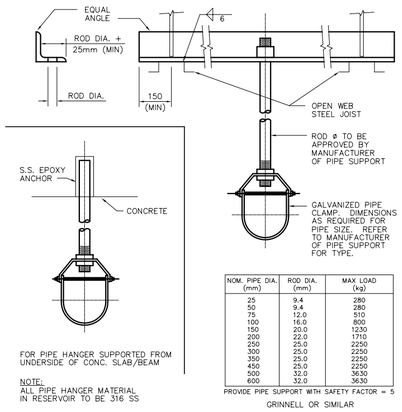


NOTES:
1. SUITABLE FOR PIPES 25ø TO 300ø
2. GALVANIZE ALL METAL PARTS AND HARDWARE
3. SUITABLE FOR WALL OR FLOOR SUPPORTED PIPE

STD 215 OFFSET PIPE SUPPORT



STD 216 CONCRETE PIPE SUPPORT



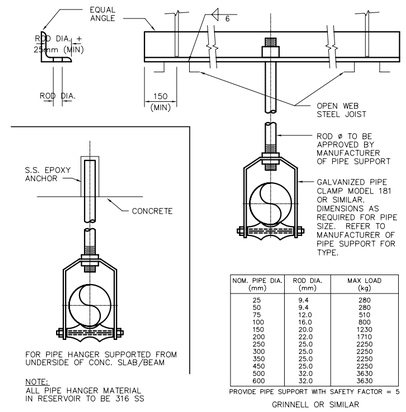
NOM. PIPE DIA. (mm)	ROD DIA. (mm)	MAX LOAD (kg)
25	9.4	280
50	9.4	280
75	12.0	510
100	16.0	800
150	20.0	1230
200	22.0	1710
250	25.0	2250
300	25.0	2250
350	25.0	2250
450	25.0	2250
500	32.0	3630
600	32.0	3630

PROVIDE PIPE SUPPORT WITH SAFETY FACTOR = 5
GRINNELL OR SIMILAR

FOR PIPE HANGER SUPPORTED FROM UNDERSIDE OF CONC. SLAB/BEAM

NOTE:
ALL PIPE HANGER MATERIAL IN RESERVOIR TO BE 316 SS

STD 217 PIPE HANGER



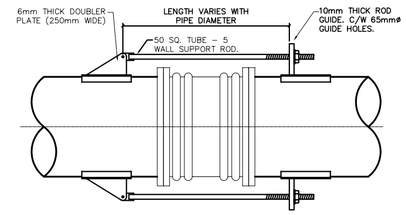
NOM. PIPE DIA. (mm)	ROD DIA. (mm)	MAX LOAD (kg)
25	9.4	280
50	9.4	280
75	12.0	510
100	16.0	800
150	20.0	1230
200	22.0	1710
250	25.0	2250
300	25.0	2250
350	25.0	2250
450	25.0	2250
500	32.0	3630
600	32.0	3630

PROVIDE PIPE SUPPORT WITH SAFETY FACTOR = 5
GRINNELL OR SIMILAR

FOR PIPE HANGER SUPPORTED FROM UNDERSIDE OF CONC. SLAB/BEAM

NOTE:
ALL PIPE HANGER MATERIAL IN RESERVOIR TO BE 316 SS

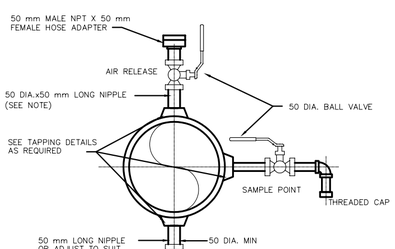
STD 219 PIPE HANGER



PIPE DIAMETER (mm)	NUMBER OF CORRUGATIONS PER 100 METER PIPE * (EXTERIOR PIPE)	NUMBER OF CORRUGATIONS PER 100 METER PIPE ** (INTERIOR PIPE)
150	51	2
200	51	2
250	60	1
300	40	1
400	24	1
600	22	1
750	20	1
900	20	1

* BASED ON FLEXONIC LOW CORRUGATIONS (STAINLESS) EXPANSION JOINTS.
** BASED ON FLEXONIC SERIES 200 MOULDED WIDE ARCH (RUBBER) EXPANSION JOINT.

STD 412 PROCESS AIR EXPANSION JOINTS



NOTE:

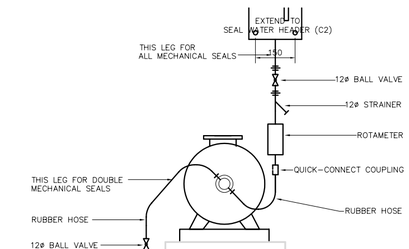
1. FOR STEEL LINES GREATER THAN 200ø, USE 50 SOCKOLET. LINE PIPE AFTER INSTALLATION.
2. FOR DI LINES GREATER THAN 200ø, THREAD PIPE FOR A 50ø CONNECTION.

STD 502 TYPE 2 FLUSHING CONNECTIONS

STD 503 TYPE 1 AND 2 TAPPINGS

NOTES:
1. WHEN SERVICE PIPE IS MORE THAN 1800 mm ABOVE FLOOR, DRAIN (AIR RELEASE) SHALL BE PIPED DOWN NEAREST WALL WITH A VALVE 1200 mm ABOVE FINISHED FLOOR.

STD 504 25mm AIR RELEASE, SAMPLE AND DRAIN CONNECTION DETAILS



STD 505 CHEMICAL INJECTION CONNECTION

NOTE: EXTEND 12mm SUPPLY BRANCH TO WITHIN 2m (HORIZONTAL) OF INSTRUMENT AIR TIE IN, 1500mm ABOVE FLOOR. SEE INSTRUMENT SPECIFICATION DATA SHEETS FOR LIST OF REQUIRED INSTRUMENT AIR TIE INS.

STD 506 INSTRUMENT AIR TAKEOFF

NOTES:
1. WHEN SERVICE PIPE IS MORE THAN 1800 mm ABOVE FLOOR, DRAIN (AIR RELEASE) SHALL BE PIPED DOWN NEAREST WALL WITH A VALVE 1200 mm ABOVE FINISHED FLOOR.

STD 507 50mm AIR RELEASE, SAMPLE AND DRAIN CONNECTION DETAILS

NOTE:
ROUND ALL EDGES

STD 601 TYPE 1 HOSE RACK

NOTES:
1. ARRANGEMENT SHOWN IS SCHEMATIC FOR ALL PUMPS HANDLING SEWAGE, SLUDGE, SCUM OR GRIT.
2. ARRANGE PIPING IN FIELD TO MINIMIZE LENGTH OF CONNECTION.
3. PRESSURE SENSOR SHALL BE MOUNTED IN HORIZONTAL LEG.
4. ALL ELBOWS SHALL BE LONG RADIUS.
5. PRESSURE SENSOR RANGE NOT TO EXCEED 150% OF PUMP SHUT OFF HEAD

STD 615 PRESSURE SENSING ARRANGEMENT ON SEWAGE, SCUM, SLUDGE & GRIT PUMPS

NOTES
1. INSTALL PIPE SUPPORT AS REQUIRED
2. REFER TO P&ID DWGS FOR FURTHER DETAILS
3. REFER TO PUMP AND SEAL MANUFACTURERS FOR STRAINER AND ROTAMETER REQUIREMENTS
4. INSTALL P.R.V ON SUPPLY WHERE PUMP OPERATING PRESSURE IS SIGNIFICANTLY BELOW SUPPLY PRESSURE.

STD 616 TYPICAL SEAL WATER PIPING FOR PUMPS

NOTE:
WEIR PLATE SHOULD RUN ALONG ENTIRE INSIDE PERIMETER OF THE WET WEATHER BY-PASS WALL.

STD 620 WEIR PLATE DETAIL

EarthTech
A Tyco international Ltd. Company
17203-103rd Avenue
EDMONTON, ALBERTA
T5S 1J4 CANADA
Tel. 780-486-6900
Fax. 780-486-2121
www.earthtech.ca

PRELIMINARY
Not For Construction
OCT.15.2004

No.	Date	Description
A	2004 10/15	95% REVIEW SUBMISSION

REVISIONS

CITY of IQALUIT, Nunavut

Design SNO
Drawn DKB
Approved
Chief
Director
Project Title

CITY OF IQALUIT
WASTEWATER
TREATMENT PLANT

Drawing Title

PROCESS STANDARD DETAILS

Scale AS NOTED
Project No. 75360
Date 04/08/04
Drawing No. P5-02
Revision A

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