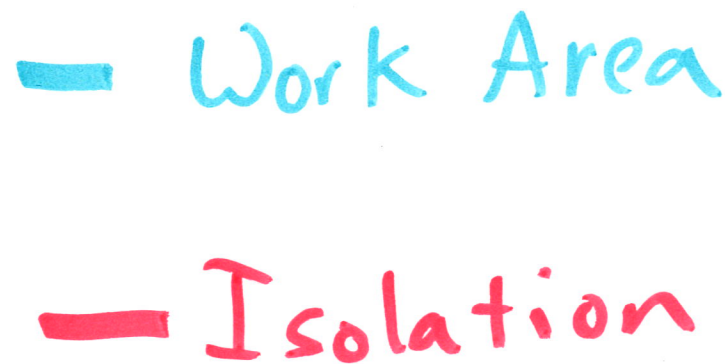
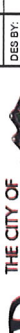




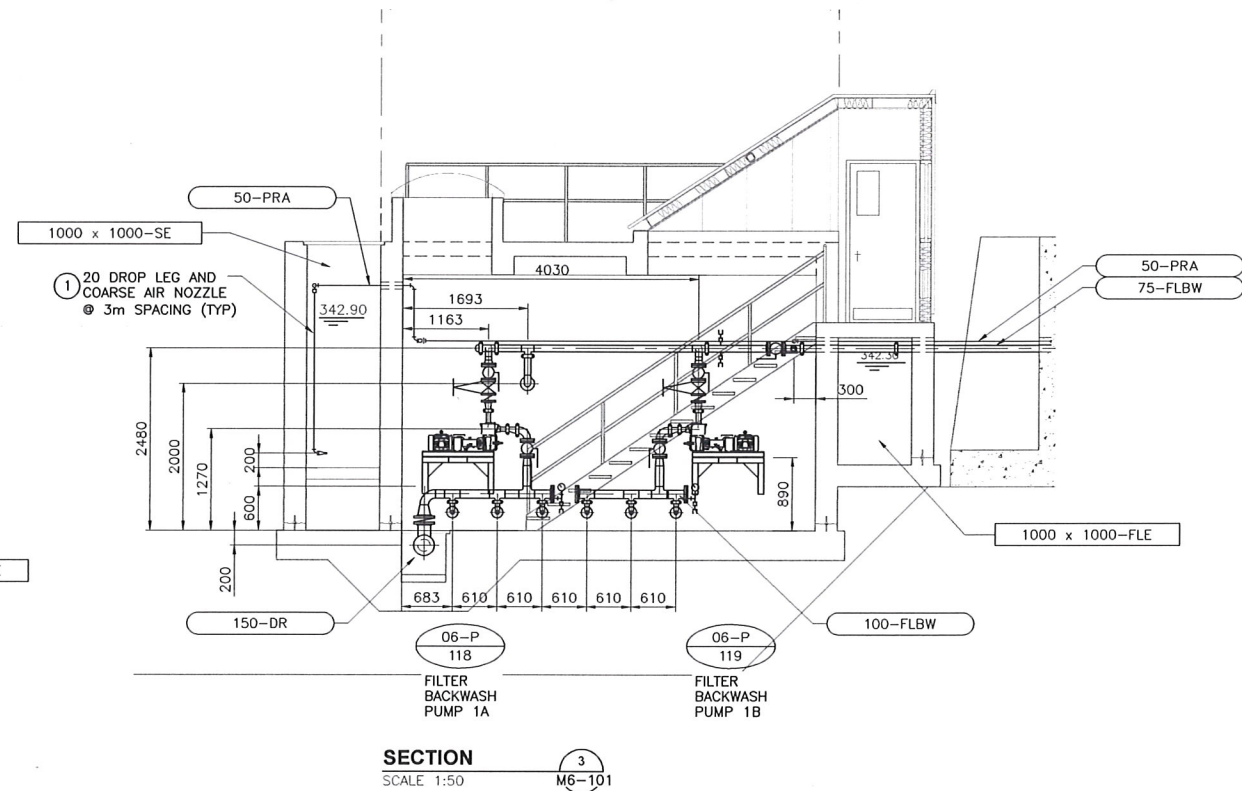
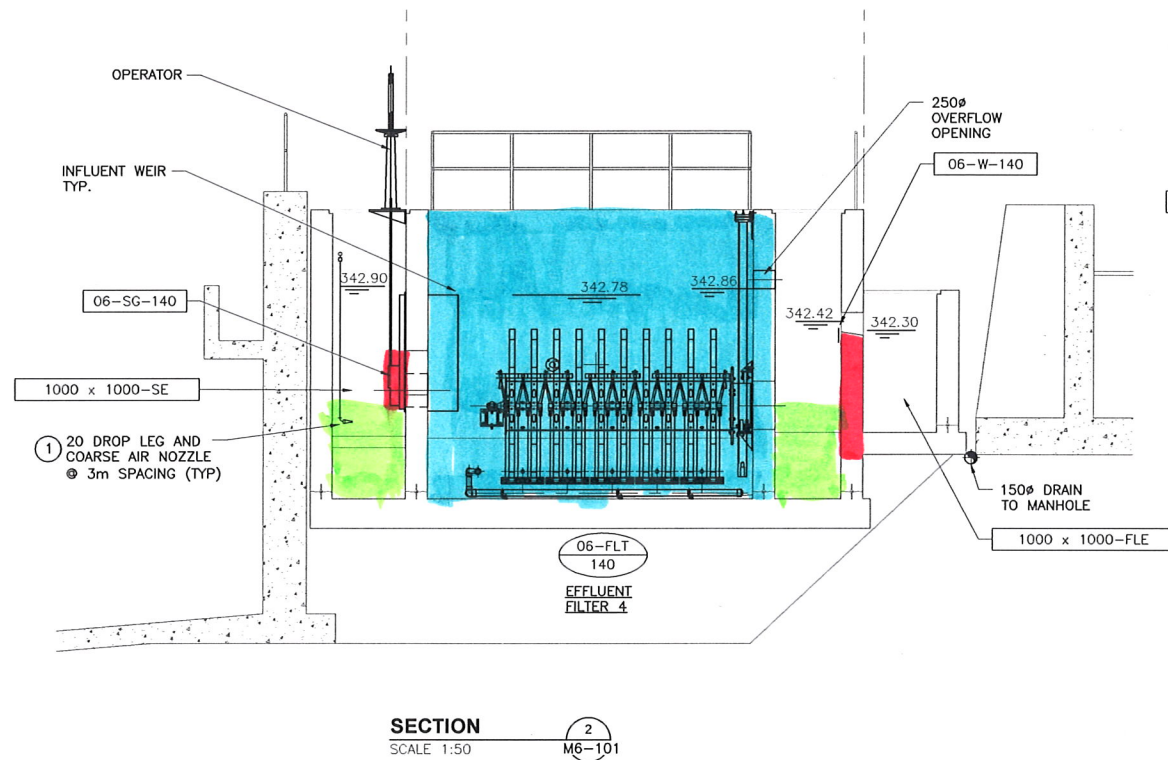
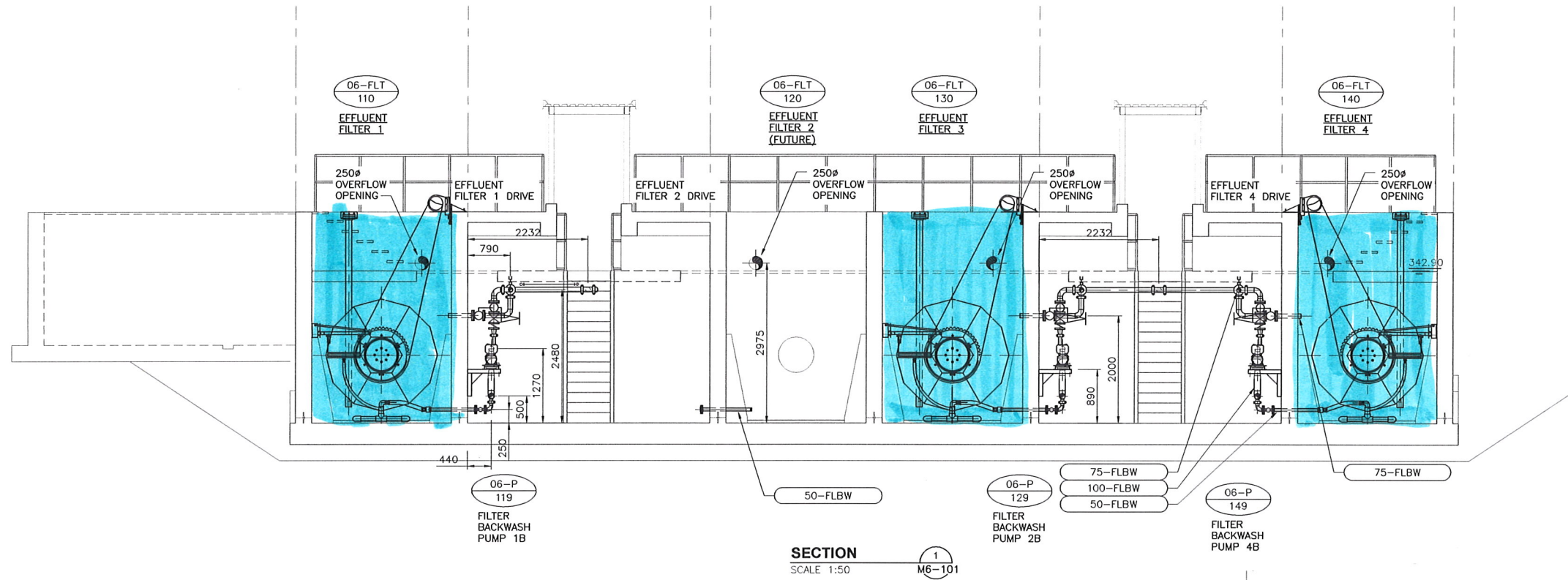


NOTICE:
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND OTHER DETAILS CONTAINED IN THIS RECORD DRAWING HAVE BEEN OBTAINED BY AECOM CANADA LTD. ("AECOM") FROM VARIOUS SOURCES. SUCH INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO AECOM AT THE TIME OF PREPARATION OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY WAY REPRESENT OR WARRANT THAT SUCH INFORMATION IS ACCURATE AND ASSUMES NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS CONTAINED THEREIN.

① REFER TO SCUM SKIMMER DETAILS ON DRAWING M6-104.

CITY OF PENTICTON AWWTP UPGRADE PENTICTON, B.C.		PROJECT START DATE (M/Y) APRIL 2008		PROJECT NO. 102949	
PROCESS MECHANICAL EFFLUENT FILTERS		FILENAME M6-102.dwg		SHEET NO.	
GENERAL ARRANGEMENT - MAIN LEVEL		DRAWING NO. M6-102			
PREPARED BY: AECOM		PREPARED FOR: 		DRN BY: KJW	
				DES BY:	
				CHK BY:	
		2		RECORD DRAWING	
		LN		1	
		APP BY:		ISSUED FOR CONSTRUCTION	
		0		ISSUED FOR TENDER	
		REV:		REVISION	
		0		DATE: Y/M/D	
		2013/08/09		CJM	
		2009/08/31		PTL	
		2009/05/25		KJW	

Plotted By: millercj
Plot File Date Created: Aug/08/2013 11:02 AM
Layout-Sheet Name: M6-103
Filename: L:\WORK\102949\024-CAD\WAT\DETAIL DESIGN\5-PROCESS MECH\M6-103.DWG



— Monitor levels

KEY NOTES

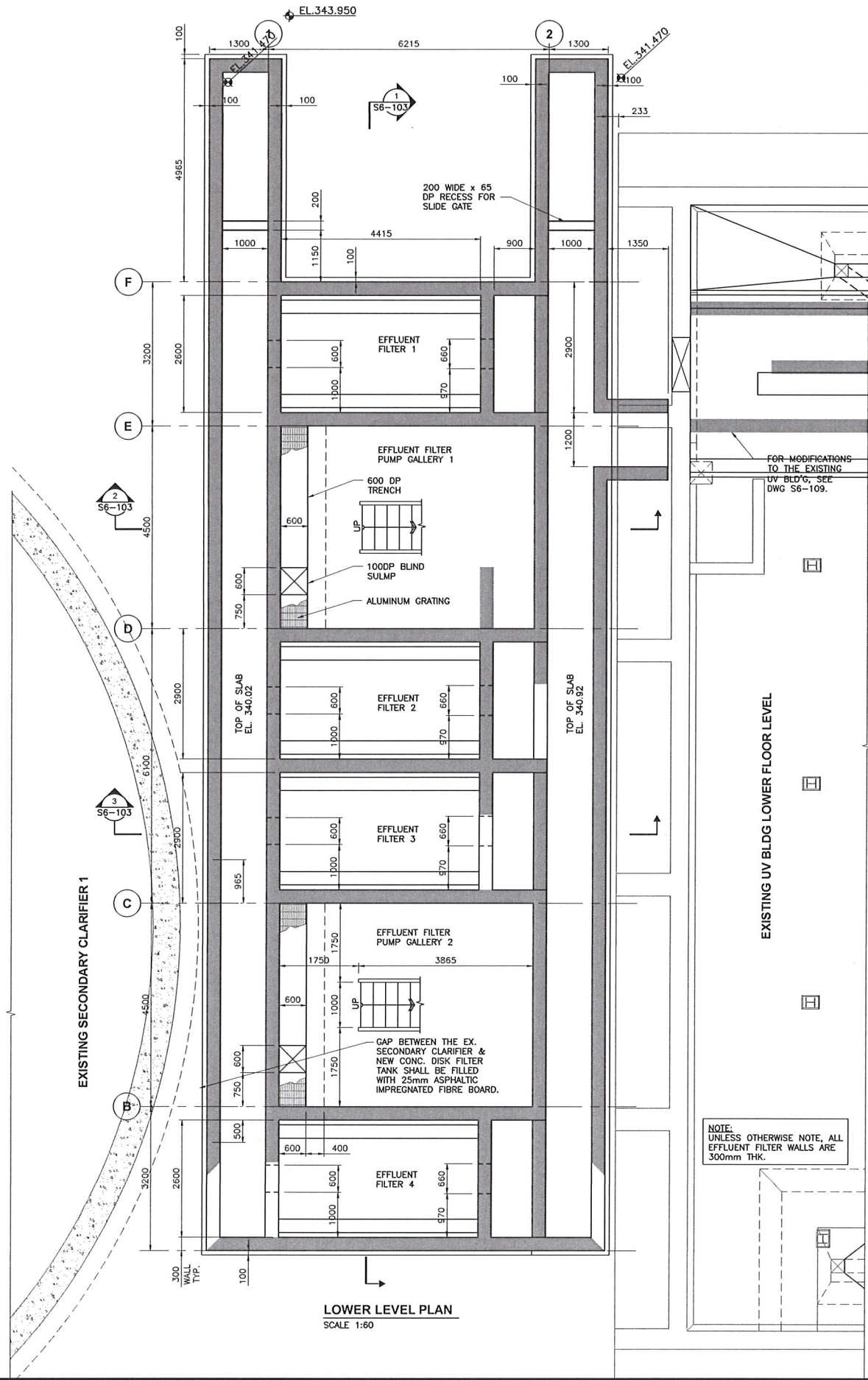
- 1 INSTALL 20Ø STAINLESS STEEL DOP LEGS AND 20Ø TIDEFLEX COARSE DIFFUSERS.

— Isolation

— Work Area

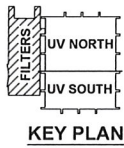
NOTICE:
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND OTHER DETAILS CONTAINED IN THIS RECORD DRAWING HAVE BEEN OBTAINED BY AECOM CANADA LTD. ("AECOM") FROM VARIOUS SOURCES. SUCH INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO AECOM AT THE TIME OF PREPARATION OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY WAY REPRESENT OR WARRANT THAT SUCH INFORMATION IS ACCURATE AND ASSUMES NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS CONTAINED THEREIN.

PROJECT START DATE (M/Y)	APRIL 2008
PROJECT NO.	102949
FILENAME	M6-103.dwg
SHEET NO.	
DRAWING NO.	M6-103
PREPARED BY:	AECOM
THE CITY OF Penticton	
AWWTP UPGRADE PENTICTON, B.C.	
PROCESS MECHANICAL EFFLUENT FILTERS	
SECTIONS AND DETAILS	
DATE (Y/M/D)	2013/08/09
CHK BY:	KJM
DES BY:	PTL
APP BY:	KJM
REV	0
DESCRIPTION	ISSUED FOR TENDER
REV	1
DESCRIPTION	ISSUED FOR CONSTRUCTION
REV	2
DESCRIPTION	RECORD DRAWING

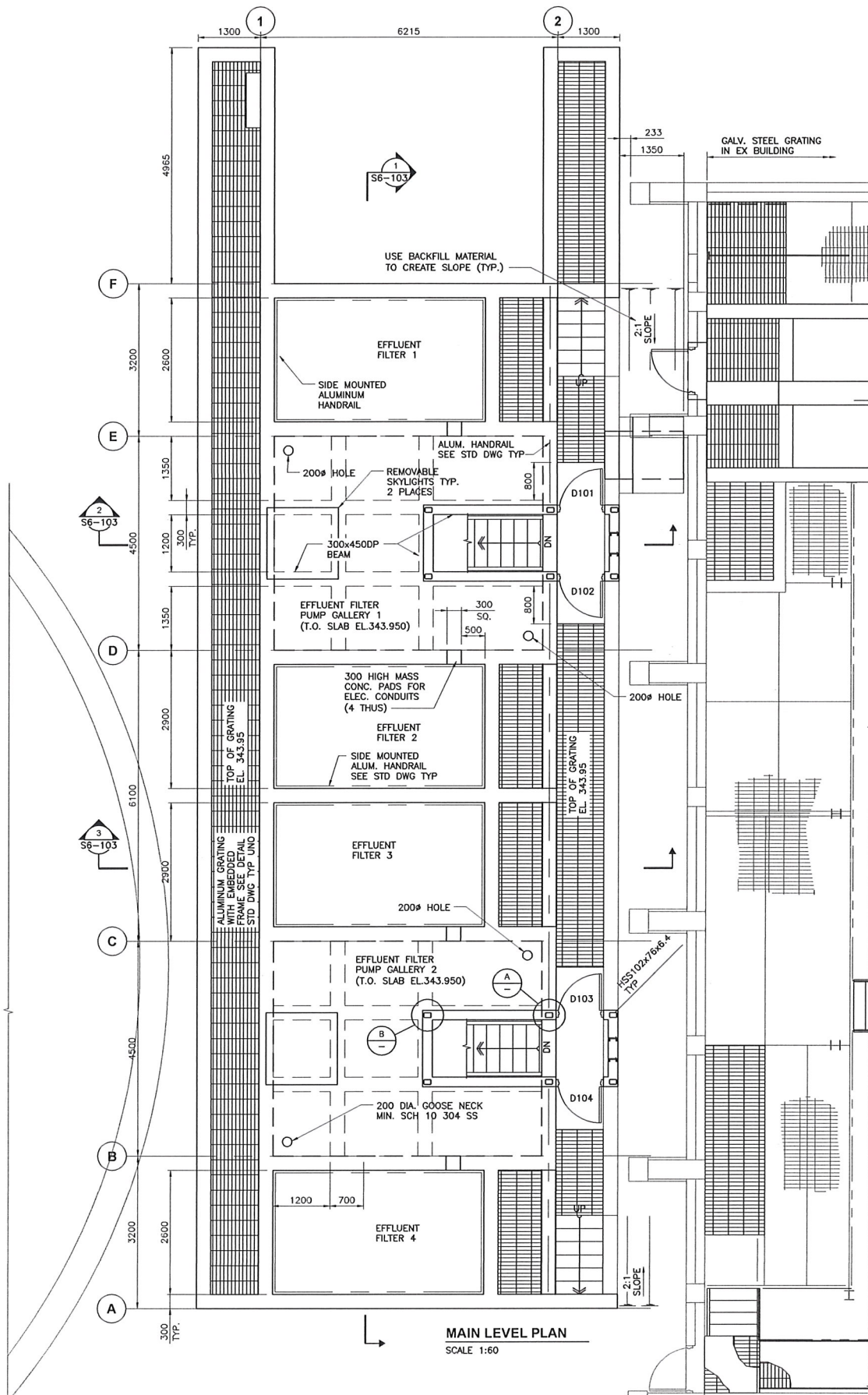


NOTE:
UNLESS OTHERWISE NOTE, ALL
EFFLUENT FILTER WALLS ARE
300mm THK.

NOTICE:
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND
OTHER DETAILS CONTAINED IN THIS RECORD DRAWING
HAVE BEEN OBTAINED BY AECOM CANADA LTD.
("AECOM") FROM VARIOUS SOURCES. SUCH
INFORMATION REPRESENTS THE BEST INFORMATION
AVAILABLE TO AECOM AT THE TIME OF PREPARATION
OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY
WAY REPRESENT OR WARRANT THAT SUCH
INFORMATION IS ACCURATE AND ASSUMES NO
RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS
CONTAINED THEREIN.



CITY OF PENTICTON AWWTP UPGRADE PENTICTON, B.C.		PREPARED BY: AECOM Suite 201, 3275 LAKESHORE ROAD, KELOWNA, BC, CANADA V1W 3S9 250-762-3727		THE CITY OF Penticton		PREPARED FOR:		DRN BY: LP													
STRUCTURAL EFFLUENT FILTERS LOWER LEVEL PLAN								DES BY: SO													
PROJECT START DATE (M/Y) APRIL 2008								CHK BY: HL		2 RECORD DRAWING								CJM KJW		20130809	
PROJECT NO. 102949								APP BY: KM		1 ISSUED FOR CONSTRUCTION								PTL KM		20090831	
FILENAME 102949-S6-101.dwg								REV		0 ISSUED FOR TENDER								LP KM		20090525	
SHEET NO.																		DRN CHK		DATE (Y/M/D)	
DRAWING NO. S6-101																					

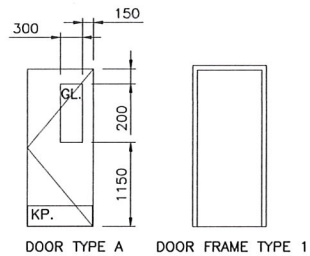


DOOR SCHEDULE										
DOOR NUMBER	DOOR							FRAME		
	SIZE	TYPE	MAT.	FINISH	CORE	LABEL	GLZ'G	MAT.	TYPE	FINISH
D101	900x2150	A	S	PAINT	HC		LAM	PS	1	PAINT
D102	900x2150	A	S	PAINT	HC		LAM	PS	1	PAINT
D103	900x2150	A	S	PAINT	HC		LAM	PS	1	PAINT
D104	900x2150	A	S	PAINT	HC		LAM	PS	1	PAINT

DOOR SCHEDULE											
DOOR NUMBER	HARDWARE										REMARKS
	PASSAGE SET	LOCK/SET	PRIVACY SET	PANIC SET	DEAD-BOLT	FLUSH-BOLTS	CLOSER	PUSH PULL	KICK-PLATE	WHIP STRIP	
D101		•		•	•	•	•	•	•	•	INSULATED
D102		•		•	•	•	•	•	•	•	INSULATED
D103		•		•	•	•	•	•	•	•	INSULATED
D104		•		•	•	•	•	•	•	•	INSULATED

GENERAL NOTES DOOR

- DOORS TO BE 45mm THK UNLESS NOTED OTHERWISE.
- RATED FRAMES TO BE MIN. 16 GAUGE THK.
- CO-ORDINATE WITH MECHANICAL SUB TRADE TO IDENTIFY DOORS WITH GRILLS AND /OR UNDER-CUTS.
- PRESSED STEEL (PS) DOOR TO BE PAINTED UNLESS NOTED OTHERWISE.
- SIDELIGHT GLAZING (GL.) TO CONFIRM TO BCBC
- NUMBERS IN "LABEL" COLUMN REFER TO THE FIRE PROTECTION RATING OF THE OPENING IN MINUTES LABEL TO INCLUDE DOOR AND FRAME.
- EXTERIOR HOLLOW CORE DOORS TO BE INSULATED.

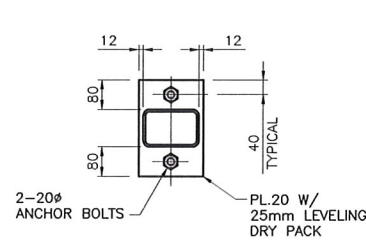
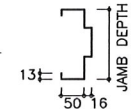


FRAME PROFILES

NOTES:

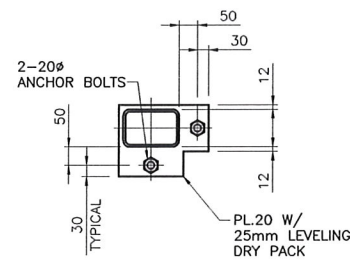
- ALL PRESSED STEEL FRAMES IN CONCRETE BLOCK TO BE CENTERED UNLESS OTHERWISE DETAILED.

TYPE A1



BASE PL. DETAIL

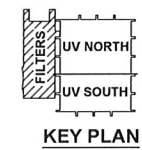
SCALE : 1:10



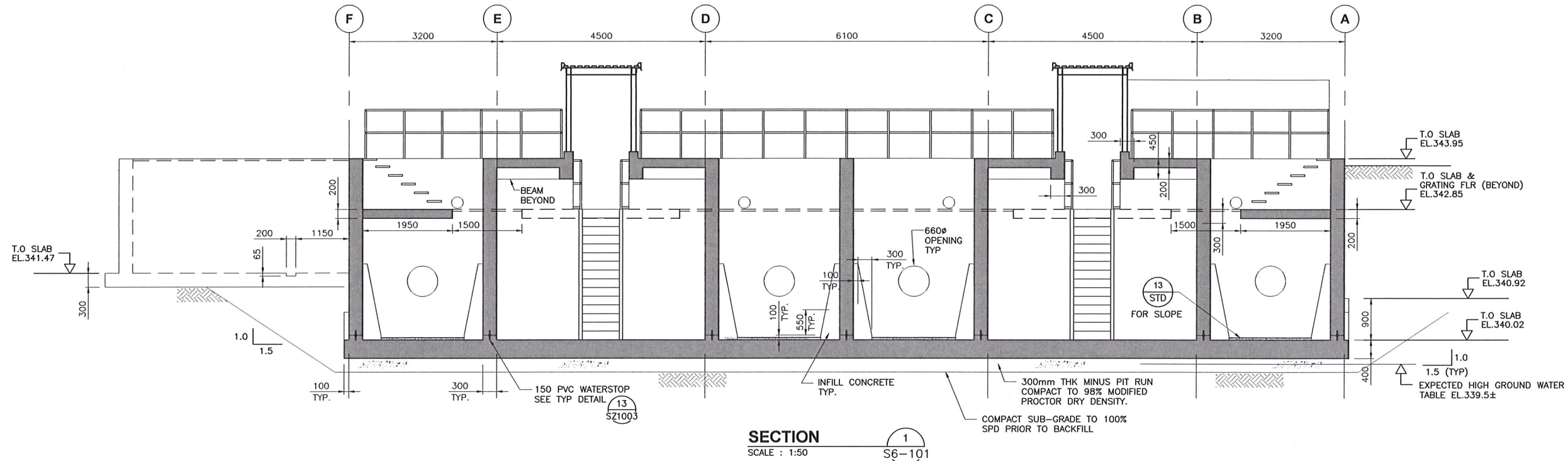
BASE PL. DETAIL

SCALE : 1:10 (AT ALL CORNERS)

NOTICE:
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND OTHER DETAILS CONTAINED IN THIS RECORD DRAWING HAVE BEEN OBTAINED BY AECOM CANADA LTD. ("AECOM") FROM VARIOUS SOURCES. SUCH INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO AECOM AT THE TIME OF PREPARATION OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY WAY REPRESENT OR WARRANT THAT SUCH INFORMATION IS ACCURATE AND ASSUMES NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS CONTAINED THEREIN.



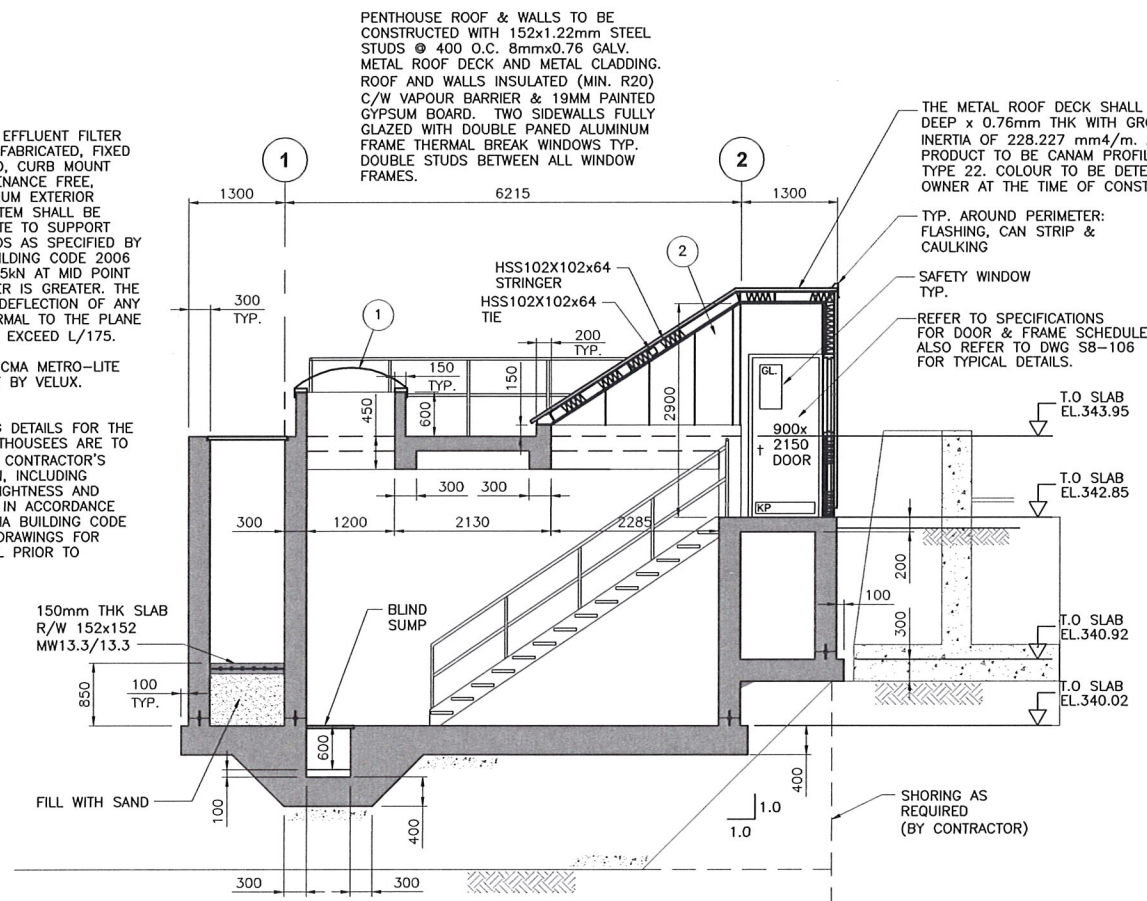
CITY OF PENTICTON AWWTP UPGRADE PENTICTON, B.C.		STRUCTURAL EFFLUENT FILTERS MAIN LEVEL PLAN		PROJECT START DATE (M/Y) APRIL 2008	
AECOM		Suite 201, 3275 LAKESHORE ROAD, KELOWNA, BC, CANADA V1W 3S9 250-762-3727		PROJECT NO. 102949	
PREPARED BY:		THE CITY OF PENTICTON		FILENAME 102949-S6-102.dwg	
DESIGNED BY:		CJM		SHEET NO.	
CHECKED BY:		KJM		DRAWING NO.	
RECORD DRAWING		2013/09/09		DATE (Y/M/D)	
ISSUED FOR CONSTRUCTION		PTL		CHK	
ISSUED FOR TENDER		LP		CHK	
DESCRIPTION		REV		DATE (Y/M/D)	
DESCRIPTION		REV		DATE (Y/M/D)	



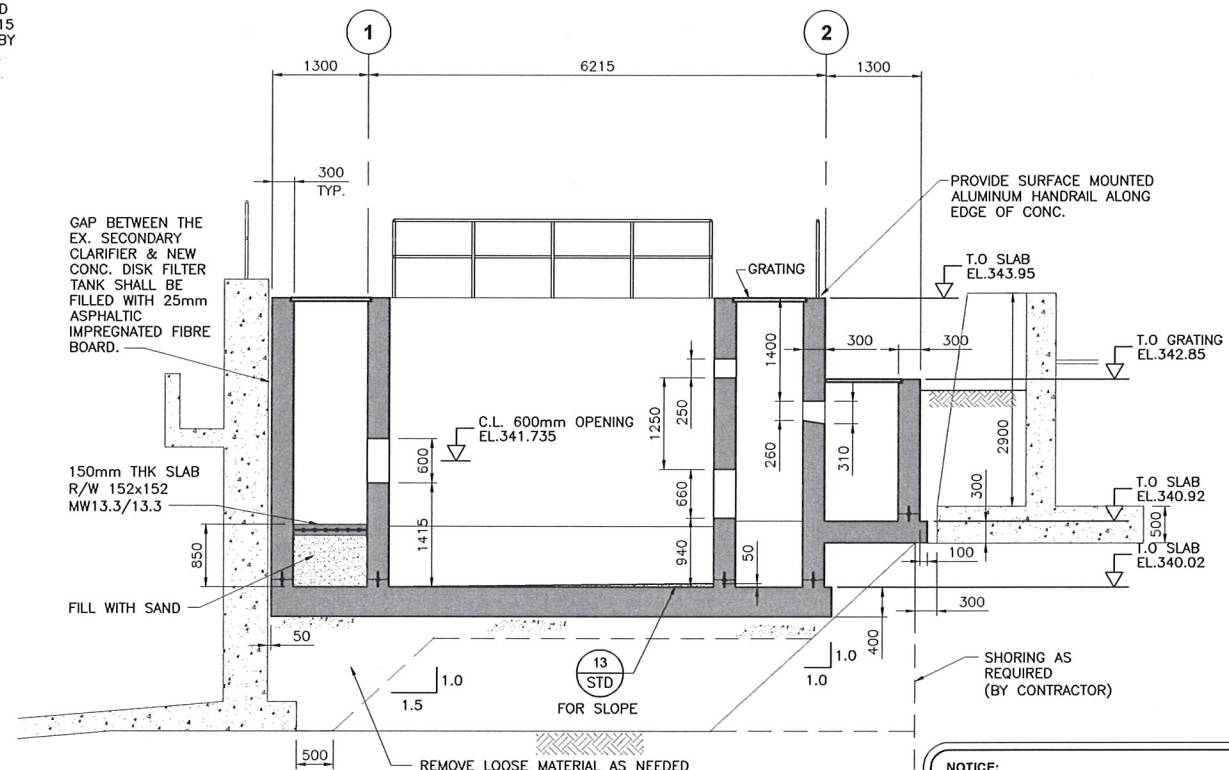
SECTION 1
SCALE : 1:50
S6-101

KEY NOTES

- 1 SKYLIGHTS OVER THE EFFLUENT FILTER GALLERIES SHALL BE FABRICATED, FIXED STRUCTURALLY GLAZED, CURB MOUNT SKYLIGHT WITH MAINTENANCE FREE, ROLL-FORMED ALUMINUM EXTERIOR FRAME. SKYLIGHT SYSTEM SHALL BE STRUCTURALLY ADEQUATE TO SUPPORT SNOW AND WIND LOADS AS SPECIFIED BY BRITISH COLUMBIA BUILDING CODE 2006 OR LIVE LOADS OF 2.5kN AT MID POINT OF GLAZING WHICHEVER IS GREATER. THE MAXIMUM ALLOWABLE DEFLECTION OF ANY FRAMING MEMBER NORMAL TO THE PLANE OF GLASS SHALL NOT EXCEED L/175.
APPROVED PRODUCT: CMA METRO-LITE COMMERCIAL SKYLIGHT BY VELUX.
- 2 GLAZING AND FRAMING DETAILS FOR THE EFFLUENT FILTER PENTHOUSEES ARE TO BE DESIGNED BY THE CONTRACTOR'S SUPPLIER. ALL DESIGN, INCLUDING LOADINGS, WEATHER TIGHTNESS AND DURABILITY SHALL BE IN ACCORDANCE WITH BRITISH COLUMBIA BUILDING CODE 2006. SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.



SECTION 2
SCALE : 1:50
S6-101



SECTION 3
SCALE : 1:50
S6-101

NOTICE:
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND OTHER DETAILS CONTAINED IN THIS RECORD DRAWING HAVE BEEN OBTAINED BY AECOM CANADA LTD. ("AECOM") FROM VARIOUS SOURCES. SUCH INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO AECOM AT THE TIME OF PREPARATION OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY WAY REPRESENT OR WARRANT THAT SUCH INFORMATION IS ACCURATE AND ASSUMES NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS CONTAINED THEREIN.

CITY OF PENTICTON AWWTP UPGRADE PENTICTON, B.C. PROJECT START DATE (M/Y) APRIL 2008 PROJECT NO. 102949 FILENAME 102949-S6-103.dwg SHEET NO. DRAWING NO. S6-103 STRUCTURAL EFFLUENT FILTERS BUILDING SECTIONS Suite 201, 3275 LAKESHORE ROAD, KELOWNA, BC, CANADA V1W 3S9 250-762-3727 PREPARED BY: AECOM THE CITY OF Penticton PREPARED FOR:	DRN BY: LP																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
---	---------------------------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--



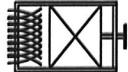
NOTICE:
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND
OTHER DETAILS CONTAINED IN THIS RECORD DRAWING
HAVE BEEN OBTAINED BY AECOM CANADA LTD.
("AECOM") FROM VARIOUS SOURCES. SUCH
INFORMATION REPRESENTS THE BEST INFORMATION
AVAILABLE TO AECOM AT THE TIME OF PREPARATION
OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY
WAY REPRESENT OR WARRANT THAT SUCH
INFORMATION IS ACCURATE AND ASSUMES NO
RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS
CONTAINED THEREIN.



CITY OF PENTICTON AWWP UPGRADE PENTICTON, B.C.		PROJECT START DATE (M/Y) APRIL 2008		PREPARED BY: AECOM		PREPARED FOR:				DRN BY:		2012/08/09	
STRUCTURAL EFFLUENT FILTERS LOWER LEVEL REINFORCING PLAN		PROJECT NO. 102949		FILENAME 102949-56-104.dwg		DES BY:		SO		CHK BY:		2	
SHEET NO.		DRAWING NO.		2009/08/31		1		RECORD DRAWING		PTL		KM	
S6-104		S6-104		2009/05/25		APP BY:		0		ISSUED FOR TENDER		LP	
S6-104		S6-104		250-62-3727		REV		DESCRIPTION		CHK		DATE (Y/M/D)	

SERIES 20

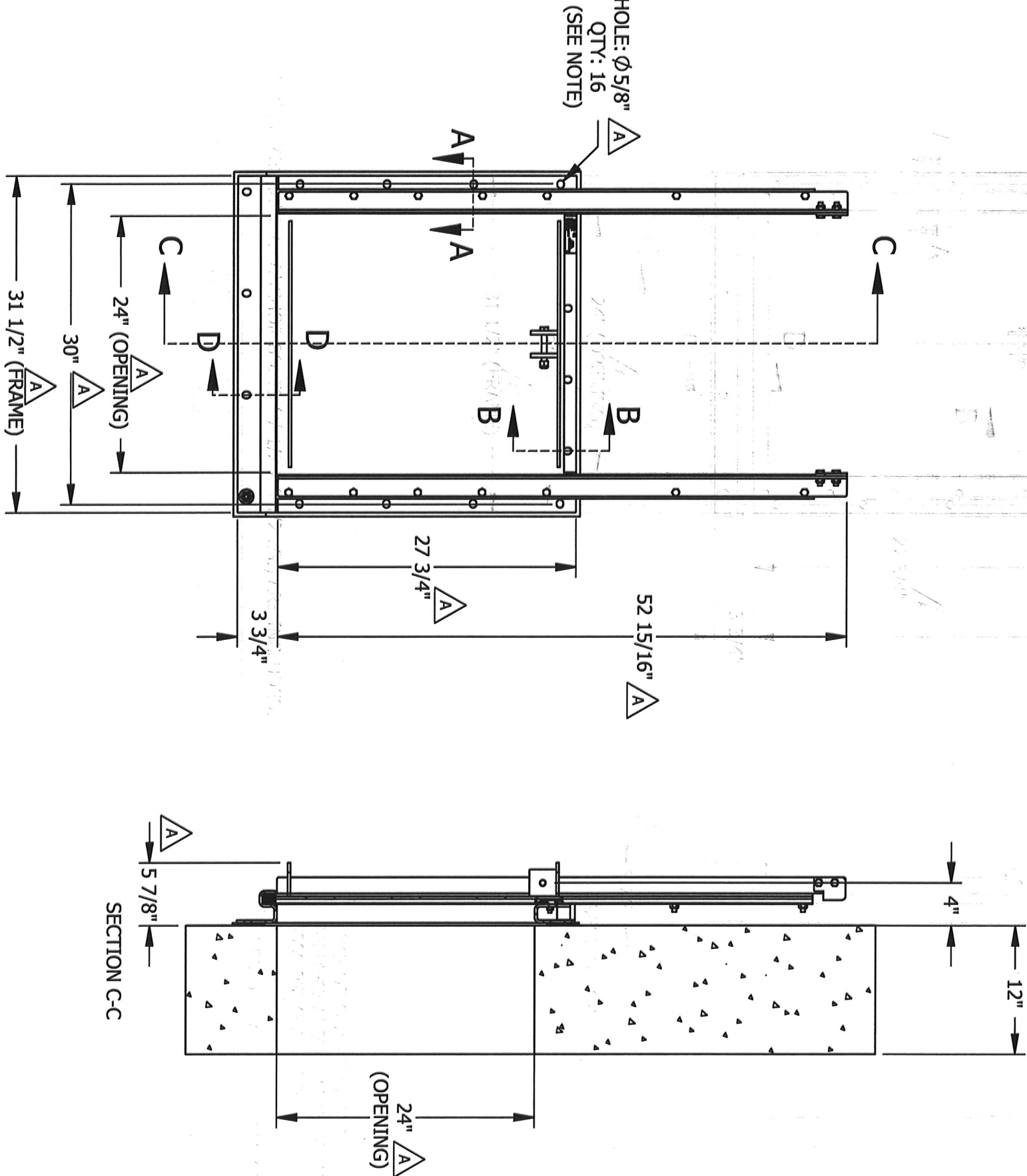
STAINLESS STEEL
SLUICE GATES
FLOW CONTROL SLUICE GATES



Fontaine

MODEL: 204 - 24 x 24 - B - CW
MATERIAL: 304L S.S.
QTY: 4

IDENTIFICATION: INFLUENT CHANNEL



NOTE: 304 S.S. MECHANICAL ANCHOR BOLTS (Ø 1/2 X 5 1/2 LG.) ARE INCLUDED.

ANCHOR QUANTITY IS BASED
ON MECHANICAL ANCHOR WITH
4000 PSI CONCRETE.

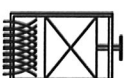
Drawing is not to scale
All dimensions are in inches.

Projection
Tolerances: ±1/8

011	REVISION: A	2009-05-27
	DRAWING No.: 5091460-011	PAGE:

SERIES 20

STAINLESS STEEL SLUICE GATES FLOW CONTROL SLUICE GATES



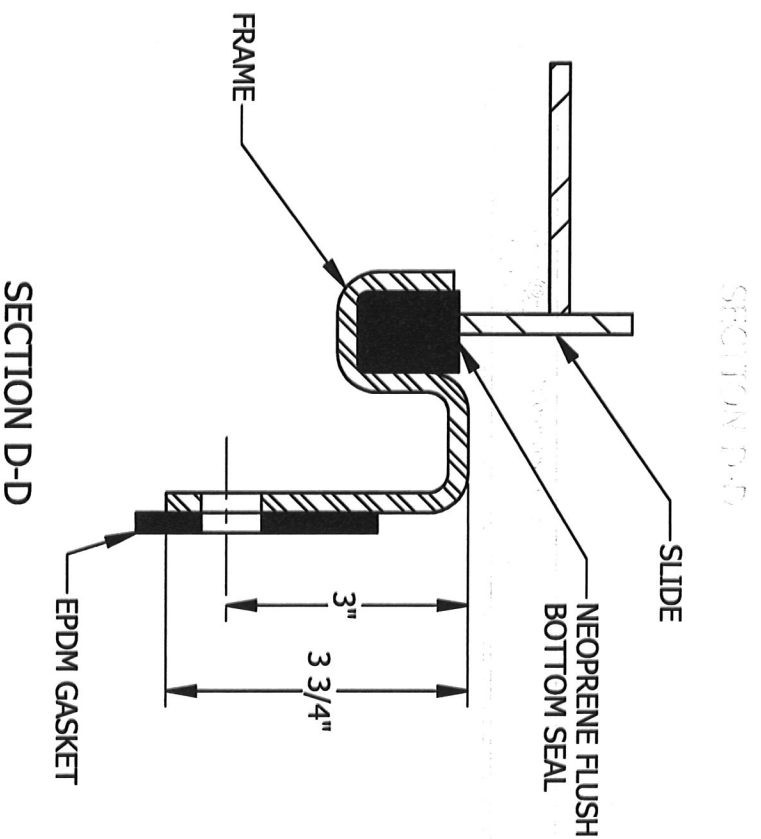
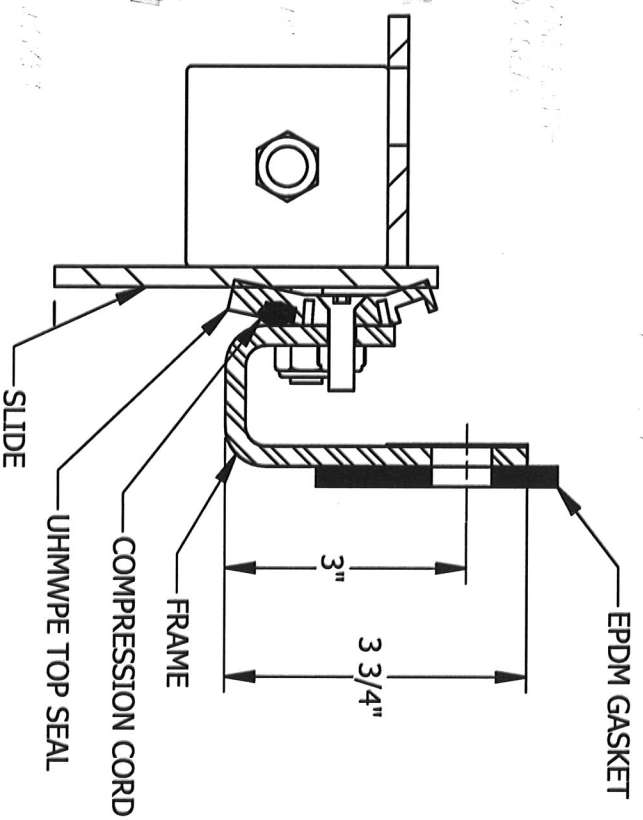
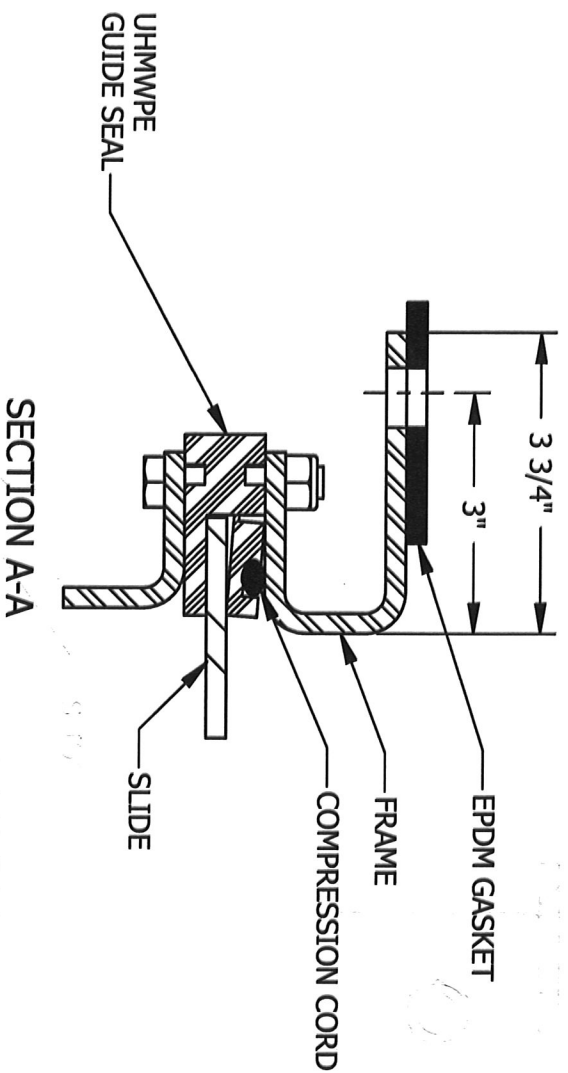
Fontaine

MODEL: 204 - 24 x 24 - B - CW 

MATERIAL: 304L S.S.

QTY: 4

IDENTIFICATION: INFLUENT CHANNEL



Drawing is not to scale
All dimensions are in inches.

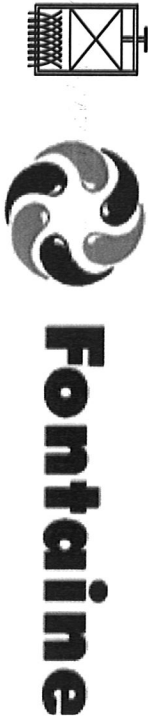


Tolerances: $\pm 1/8$

011

REVISION: A	2009-05-27
DRAWING No.: 5091460-011-DET	PAGE:

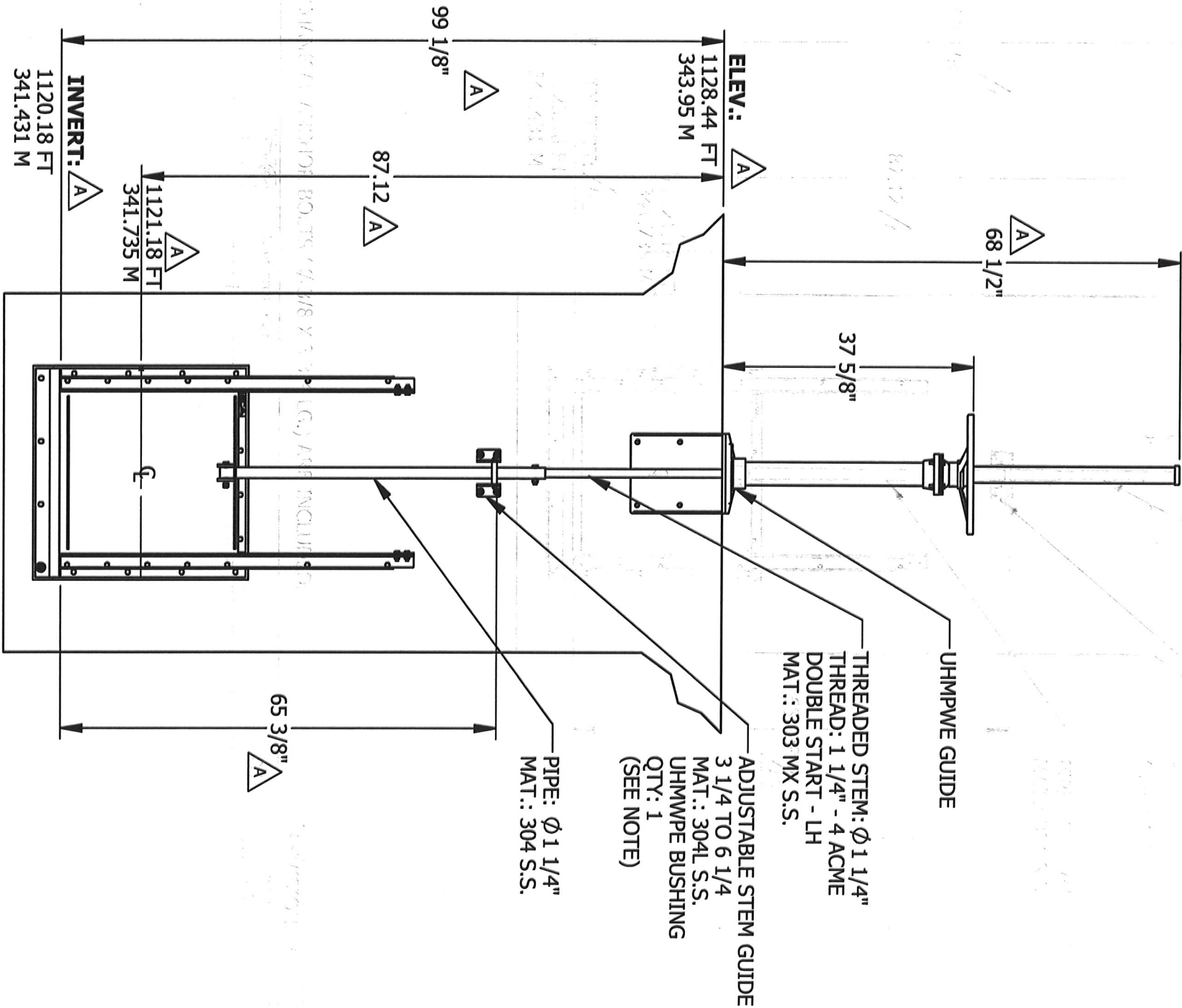
LIFTING STEM



MODEL: 204 - 24 x 24 - B - CW/A
MATERIAL: 304L S.S.
QTY: 4

IDENTIFICATION: INFLUENT CHANNEL

TYPE RS1 - RISING STEM



NOTE: 304 S.S. MECHANICAL ANCHOR BOLTS (Ø 3/8 X 3 3/4 LG.) ARE INCLUDED.

Drawing is not to scale
All dimensions are in inches.



Tolerances: ±1/8

013

REVISION: A	PAGE: 2009-05-27
DRAWING No.: 5091460-013	

STEM PROTECTOR WITH COVER
V.L. 1816, P.V.C.
COMES WITH SELF-ADHESIVE MYLAR RULER
WITH IN/FT GRADUATIONS

OPERATING EQUIPMENT



MODEL: 204-24x24-B-CW

MATERIAL: 304L S.S.

QTY: 4

IDENTIFICATION: INFLUENT CHANNEL

HANDWHEEL ON PILLAR
(VSAP)

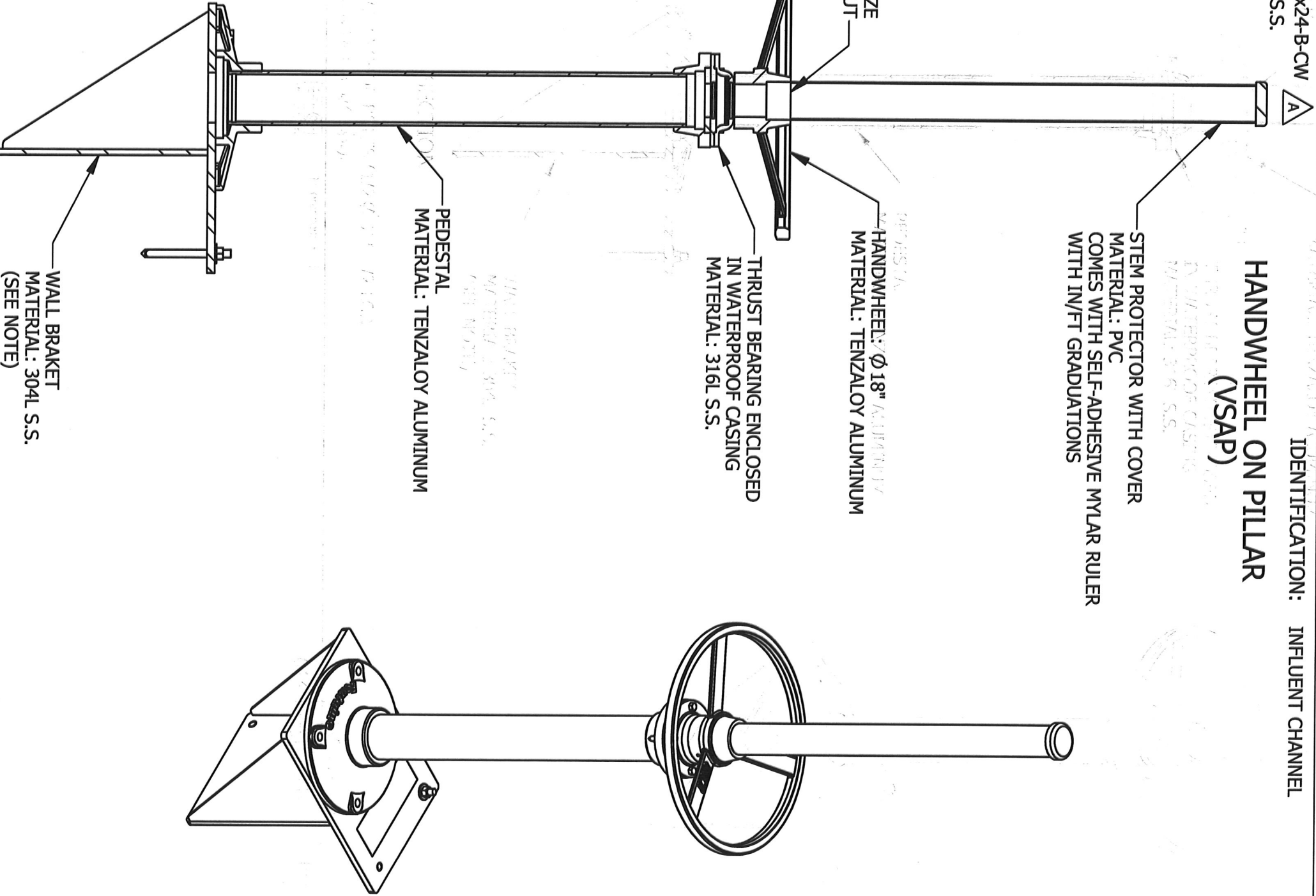
STEM PROTECTOR WITH COVER
MATERIAL: PVC
COMES WITH SELF-ADHESIVE MYLAR RULER
WITH IN/FT GRADUATIONS

MANGANESE BRONZE
LIFT NUT

HANDWHEEL: Ø18" ALUMINUM
MATERIAL: TENZALOY ALUMINUM

THRUST BEARING ENCLOSED
IN WATERPROOF CASING
MATERIAL: 316L S.S.

PEDESTAL
MATERIAL: TENZALOY ALUMINUM



SECTION

WALL BRACKET
MATERIAL: 304L S.S.
(SEE NOTE)

NOTE: 304 S.S. CHEMICAL ANCHOR BOLTS (1/2 Ø X 5 1/2 LG.)
ARE INCLUDED (CARTRIDGE 4 1/4 LG.).

Drawing is not to scale
All dimensions are in inches.



Tolerances: ±1/8

014

REVISION: A	2009-05-27
DRAWING No.: 5091460-014	PAGE: