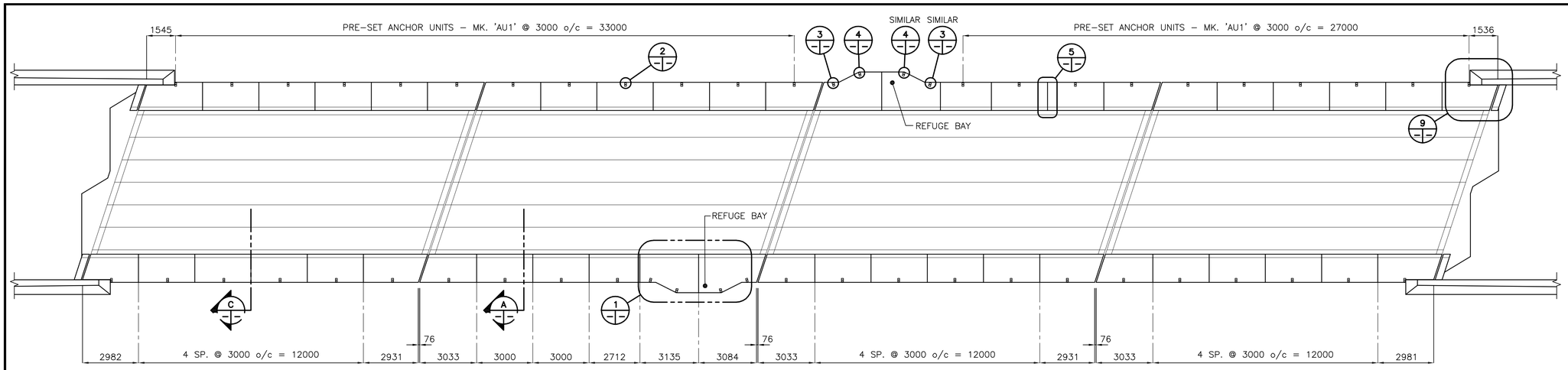
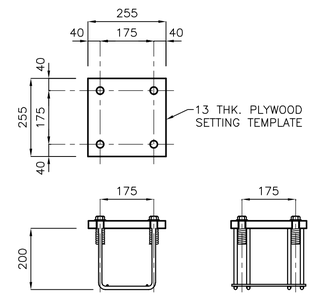
KU-19-664



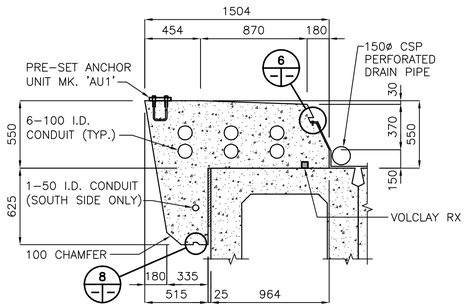
TRAINMAN'S WALKWAY LAYOUT

1:125 0 1250 3750 6250mm



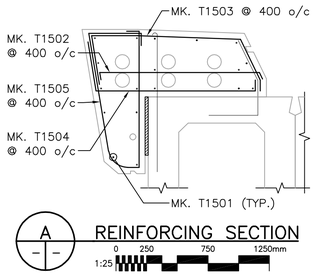
PRE-SET ANCHOR UNIT – MK. 'AU1'

1:10 0 100 300 500mm



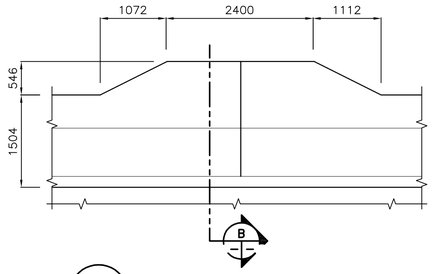
A CONCRETE SECTION

1:25 0 250 750 1250mm



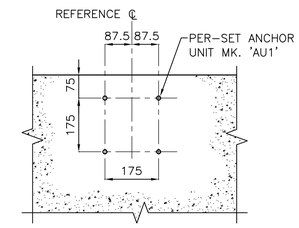
A REINFORCING SECTION

1:25 0 250 750 1250mm



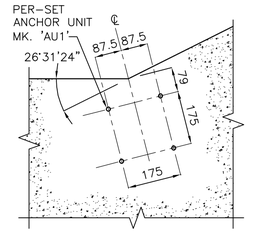
1 TYPICAL REFUGE BAY DETAIL

1:50 0 500 1500 2500mm



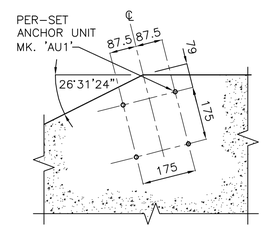
2 TYPICAL MK. 'AU1' PLACEMENT DETAIL

1:10 0 100 300 500mm



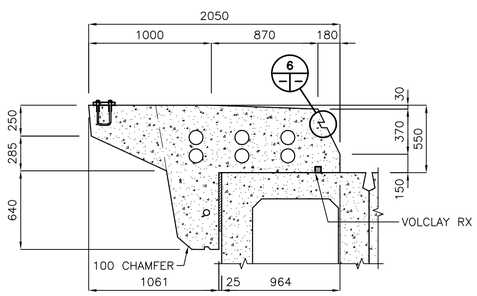
3 TYPICAL MK. 'AU1' PLACEMENT DETAIL

1:10 0 100 300 500mm



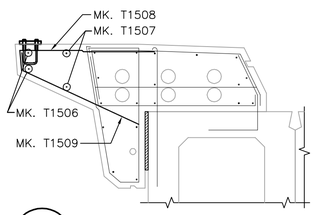
4 TYPICAL MK. 'AU1' PLACEMENT DETAIL

1:10 0 100 300 500mm



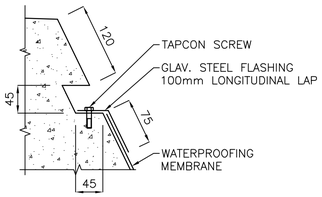
B CONCRETE SECTION

1:25 0 250 750 1250mm



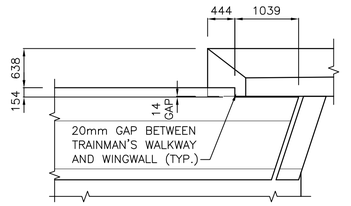
B REINFORCING SECTION

1:25 0 250 750 1250mm



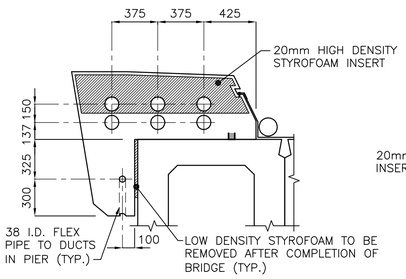
6 SECTION

1:5 0 50 150 250mm



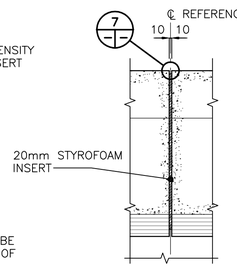
9 WALKWAY AT ABUTMENT DETAIL

1:50 0 500 1500 2500mm



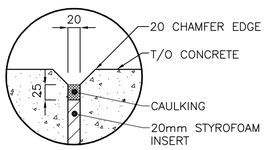
C TYPICAL CONCRETE POUR JOINT DETAIL

1:25 0 250 750 1250mm



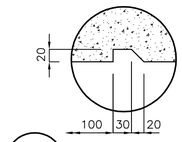
5 CONC. POUR JOINT DETAIL

1:25 0 250 750 1250mm



7 DETAIL

1:5 0 50 150 250mm



8 DRIP GROOVE DETAIL

1:5 0 50 150 250mm

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

BILL OF REINFORCING STEEL FOR TRAINMANS WALKWAY

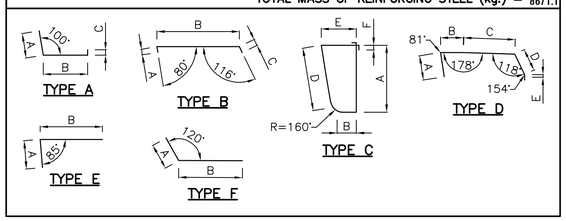
STRAIGHT BARS

MARK	QTY.	LENGTH (mm)	MASS (kg)
T1501	144	17960	4060.4
T1506	4	4575	28.7
T1507	4	3335	52.4

BENT BARS

MARK	QTY.	TYPE	A	B	C	D	E	F	LENGTH (m)	MASS (kg/m)
T1502	364	B	60	1315	60				1435	820.1
T1503	364	D	400	375	840	370	90		1265	722.9
T1504	364	A	400	1280	90				2080	1188.7
T1505	364	C	1075	150	115	1010	410	100	2810	1605.9
T1508	44	E	170	1100					1440	99.5
T1509	44	F	150	1040					1340	92.6
									0	0.0

TOTAL MASS OF REINFORCING STEEL (kg.) = 8671.1



NOTE:

1. TRAINMANS WALKWAY REINFORCING IS CONTINUOUS, CUT EVERY SECOND BAR AT JOINTS. PROVIDE MINIMUM CLEAR COVER FOR CUT REINFORCING.

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301 Expiry: April 30, 2006

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	05.10.26	MJB

B.M. ELEV.

Stantec Consulting Ltd.
905 Waverley Street, Winnipeg, Manitoba
Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY	KSA/MJB	CHECKED BY	GWM
DRAWN BY	JMB/JGF	APPROVED BY	MJB
HOR. SCALE:	AS SHOWN	AUTHORIZED BY:	DATE
VERTICAL:	AS SHOWN	R. FINGAS	05.10.26
DATE	05.05.16	R. FINGAS, P. ENG. BRIDGE PROJECTS ENGINEER	

ENGINEER'S SEAL

ORIGINAL
SEALED BY
M.J. BOISSONNEAULT
P. ENG.
05.10.26

CONSULTANT DRAWING NO.
113703042-SI7

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

KENASTON UNDERPASS
KENASTON BLVD. / CN RIVERS SUB. MILE 5.18
RAILWAY BRIDGE CONSTRUCTION

TRAINMAN'S WALKWAY
CONCRETE & REINFORCING DETAILS

SHEET	OF
19	21
CAD FILE DRAWING NUMBER	KU-19-664.dwg
CITY DRAWING NUMBER	P-3258-143

CN Drawing No. AA611-5.18-1.19

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2005-10-26 02:15PM By: jbeamants