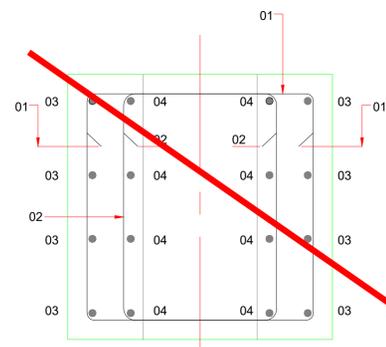
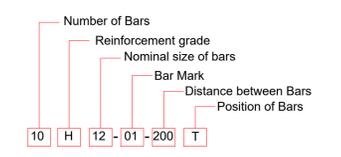


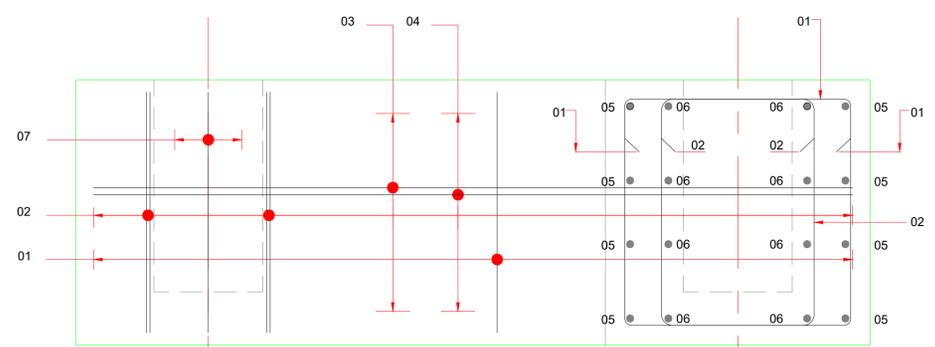
**SUPPLY & INSTALLATION OF BOLLARDS NOT IN CONTRACT  
DETAILS SHOWN FOR REFERENCE ONLY**

TO BE READ IN CONJUNCTION WITH DWG No:  
 1126-SY-GA-000  
 1126-SY-GA-100  
 1126-SY-GA-101  
 1126-SY-GA-102  
 1126-SY-GA-200  
 1126-SY-GA-201  
 1126-SY-GA-202  
 1126-SY-GA-203  
 1126-SY-GA-204  
 1126-SY-GA-205  
 1126-SY-GA-206  
 1126-SY-GA-300  
 1126-SY-GA-301  
 1126-SY-GA-302  
 1126-SY-GA-303  
 1126-SY-GA-400  
 1126-SY-GA-401  
 1126-SY-GA-402

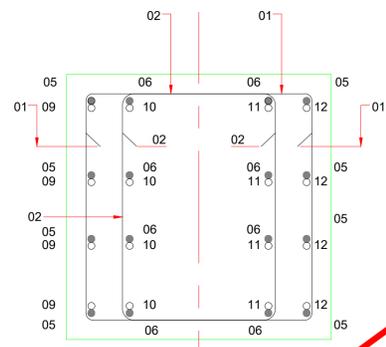
- NOTES**
- DO NOT SCALE FROM THIS DRAWING.
  - ANY QUERIES ARE TO BE REFERRED BACK TO THE ENGINEER FOR CLARIFICATION.
  - ALL CONCRETE IN ACCORDANCE WITH TS 1350 AND CSA A23.1.
  - CONCRETE DESIGNATED MIX:  
 BLINDING - GEN 1  
 REINFORCED CONCRETE - C 32/40, RC40, TS 1350 20mm AGGREGATE, S3 SLUMP.  
 NO ADMIXTURE IS TO BE USED WITHOUT THE ENGINEERS PERMISSION.
  - SHOULD THE AIR TEMPERATURE RISE ABOVE 30°C OR FALL BELOW 5°C, SPECIAL PRECAUTIONS ARE TO BE TAKEN, ALL TO ENGINEER'S APPROVAL.
  - CURING TO BE DONE FOR AT LEAST 7 DAYS.
  - REINFORCEMENT BARS TO BE HIGH YIELD STEEL TO CURRENT CSA G3018 AND OPSS 1440, FABRIC REINFORCEMENT TO ASTM A1064.
  - REINFORCEMENT SCHEDULING TO OPSS 905 AND CSA-S6.
  - COVER TO ALL REINFORCEMENT: 40mm UNLESS OTHERWISE NOTED.
  - REINFORCEMENT LAP LENGTHS ARE TO BE A MINIMUM OF 44 D UNLESS OTHERWISE NOTED.
  - ALL MATERIAL AND WORKMANSHIP IN ACCORDANCE WITH RECOMMENDATIONS OF TS1350.
  - PRODUCTS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS GUIDELINES AND REQUIREMENTS.
  - EARTHING REQUIREMENTS IN ACCORDANCE WITH JSP482.
  - PRODUCTS TO BE INSTALLED IN ACCORDANCE WITH REINFORCEMENT GUIDE:



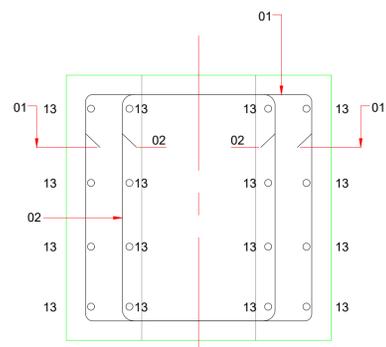
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SCALE 1:10



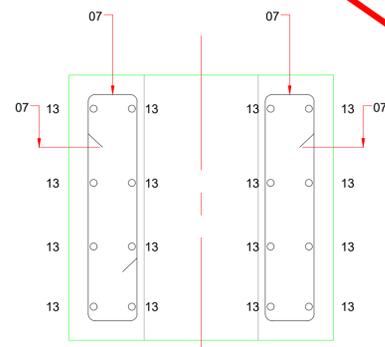
SECTION B-B  
SCALE 1:10



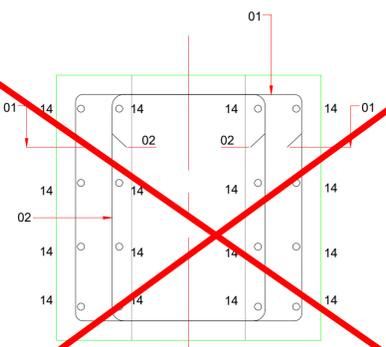
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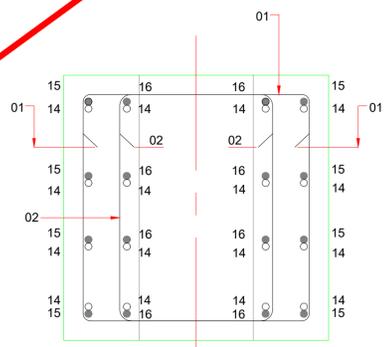
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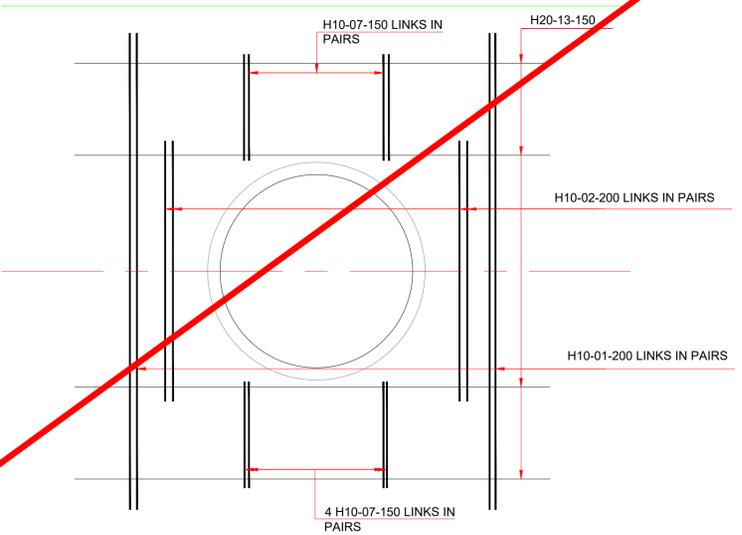
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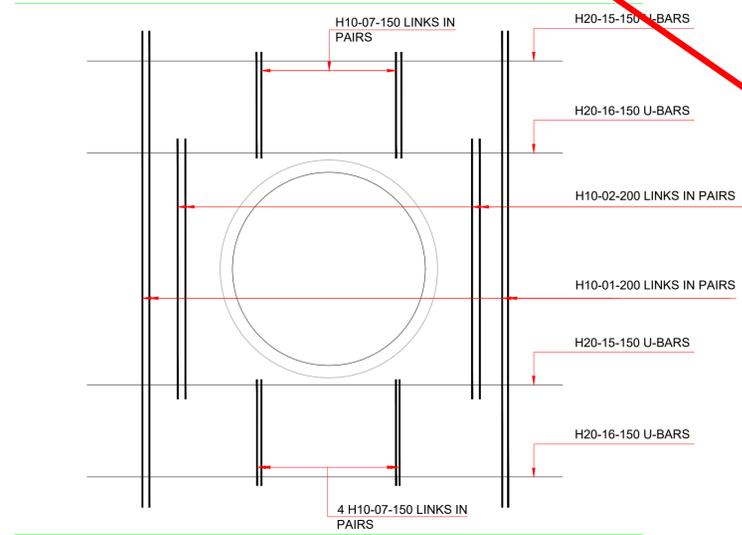
SECTION F-F  
SCALE 1:10



SECTION G-G  
SCALE 1:10



DETAIL 1  
BOLLARD REINFORCEMENT  
SCALE 1:5



DETAIL 2  
BOLLARD REINFORCEMENT  
SCALE 1:5



28 No. 10mm THICK x 75mm WIDE STEEL STRAP EACH SIDE OF BOLLARD  
STEEL GRADE S355 GALVAANISED  
SCALE 1:5

P02	20.12.23	UPDATED NOTES SECTION	DT	IJM	
P01	07.12.23	FOR TENDER	MJH	HJS	HJS
REV	DATE	DESCRIPTION	BY	CHKD	APVD

CONTRACT NAME:  
**UNION STATION TORONTO HVM**

CLIENT:  
**CITY OF TORONTO.**

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DRAWN BY: MJH	DATE: 22.11.23	CHECKED BY: HJS	DATE: 07.12.23	APPROVED BY: HJS	DATE: 07.12.23
SIGNED:		SIGNED:		SIGNED:	

DRAWING TITLE:  
**UNION STATION TORONTO  
REINFORCEMENT PLAN AND SECTIONS  
SHEET 2 OF 2**

SCALE: 1:50 @ A1	DRAWING STATUS: FOR TENDER	PROTECTIVE MARKING:
DRAWING NUMBER: 1126-SY-GA-304	REV: P02	