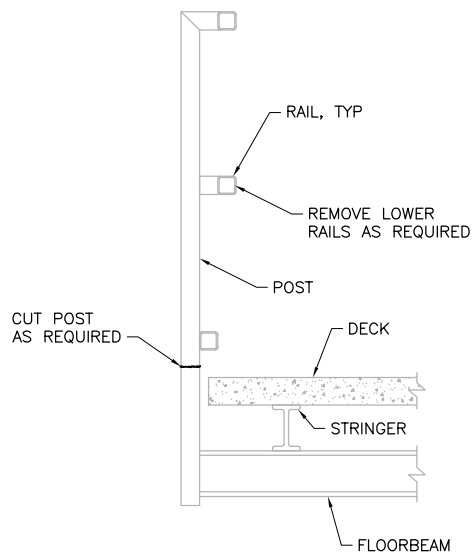


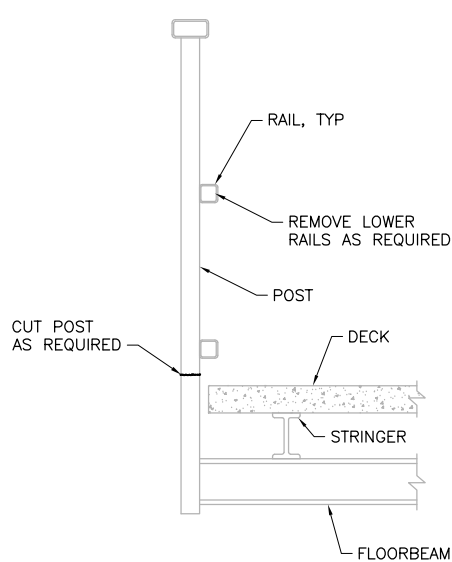
G:\1945\02-Drawings\704-VI3403101 Johnston Canyon Trail-001.dwg 7/8/2016 4:39:49 PM by Philip Rees



WALKWAY RAILING – REMOVAL – TYPE 1

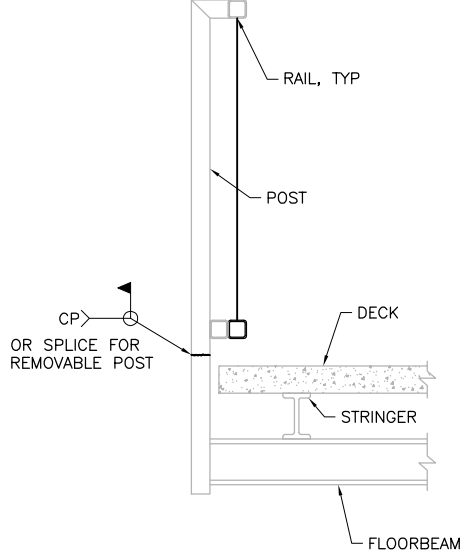
1:10  
(TYPE 3 SIMILAR)

NOTE:  
ACTUAL RAILING GEOMETRY MAY DIFFER INCLUDING  
NUMBER OF RAILS.



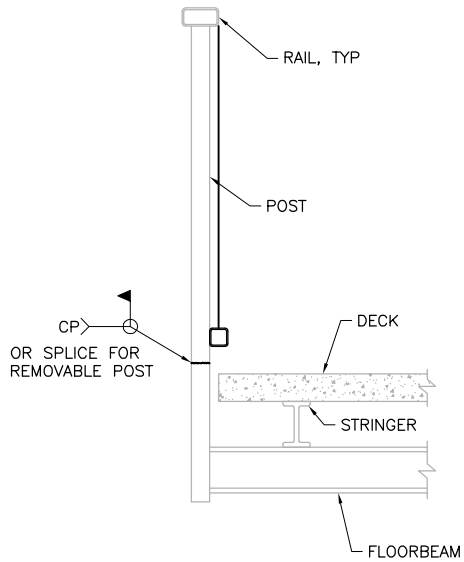
WALKWAY RAILING – REMOVAL – TYPE 2

1:10



WALKWAY RAILING – REPLACEMENT – TYPE 1

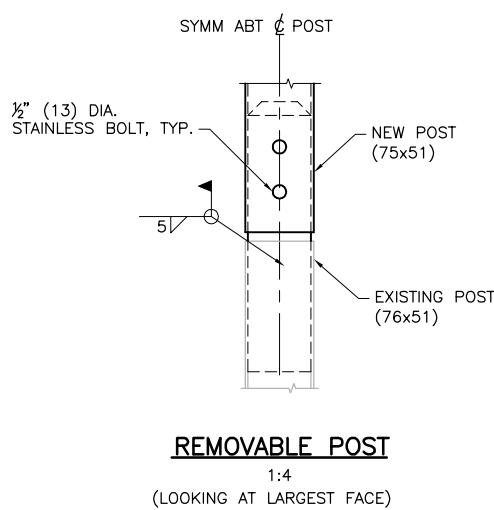
1:10  
(TYPE 3 SIMILAR)



WALKWAY RAILING – REPLACEMENT – TYPE 2

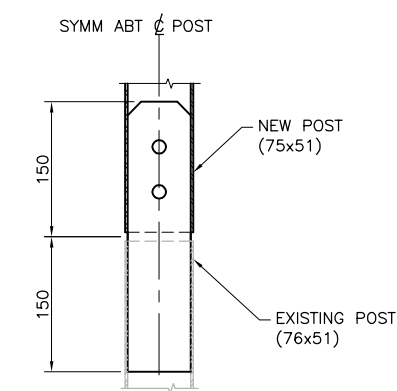
1:10

LOCATION	TYPE	SUBTYPE	LENGTH REQUIRING UPGRADES	POST	HEIGHT	TOP RAIL	LOWER RAILS	# LOWER RAILS	GAP AT BOTTOM RAIL	REMOVABL E POSTS*	ESTIMATED NUMBER OF REMOVABLE POSTS
SECTION 1	1	a	10.2	HSS 102 x 51 x 4.8	970	HSS 51 x 51	HSS 51 x 51	1	420		
SECTION 2	1	b	111.5	HSS 76 x 51 x 4.8	1030	HSS 51 x 51	HSS 51 x 51	2	300		
VIEWING PLATFORM	1	a	19.2	HSS 102 x 51 x 4.8	1016	HSS 51 x 51	HSS 51 x 51	2	300		
SECTION 3	2	a	95.2	HSS 76 x 51 x 4.8	1030	HSS 51 x 51	HSS 51 x 51	2		Y	16
CATWALK 1	1	a	136	HSS 102 x 51 x 4.8	1067	HSS 51 x 51	HSS 51 x 51	4		Y	
SECTION 4	2	a	20.3	HSS 76 x 51 x 4.8	1030	HSS 51 x 51	HSS 51 x 51	2	300		
SECTION 5	2	a	37.4	HSS 76 x 51 x 4.8	950	HSS 51 x 51	HSS 51 x 51	1	300		
SECTION 6	1	a	23.4	HSS 102 x 51 x 4.8	900	HSS 51 x 51	HSS 51 x 51	2	420		
CATWALK 2	N/A			N/A	1070	N/A	N/A		N/A		
SECTION 7	1	a	43	HSS 102 x 51 x 4.8	1050	HSS 51 x 51	HSS 51 x 51	1	500	Y	18
SECTION 8	N/A		0	N/A	1050	N/A	N/A		N/A		
CATWALK 3	3		36.5	HSS 102 x 76 x 4.8	1070	HSS 51 x 51	HSS 51 x 51	5	100	Y	17
SECTION 9	N/A		0	N/A	1070	N/A	N/A		N/A		
CATWALK 4	3		10	HSS 102 x 76 x 4.8	1070	HSS 51 x 51	HSS 51 x 51		100	Y	4
SECTION 10	N/A		0	N/A	1070	N/A	N/A		N/A		
CATWALK 5	1	a	49	HSS 102 x 51 x 4.8	1070	HSS 51 x 51	HSS 51 x 51	3	100	Y	20
LOWER FALLS -1	1	a	38.4	HSS 102 x 51 x 4.8	1016	HSS 51 x 51	HSS 51 x 51	1	500		
TRUSS	4		33	TRUSS VERTICAL	1016	HSS 51 x 51	HSS 51 x 51	2	100		
LOWER FALLS - 2	1	a	20.5	HSS 102 x 51 x 4.8	1016	HSS 51 x 51	HSS 51 x 51	1	500	Y	10
SECTION 11	1	a	27	HSS 102 x 51 x 4.8	800	HSS 51 x 51	HSS 51 x 51	1	500		
SECTION 12	2	a	22.5	HSS 76 x 51 x 4.8	1050	HSS 102 x 51	HSS 51 x 51	1	500		
SECTION 13	2	a	18.8	HSS 76 x 51 x 4.8	1050	HSS 102 x 51	HSS 51 x 51	1	500		
SECTION 14	2	a	60.9	HSS 76 x 51 x 4.8	1050	HSS 51 x 51	HSS 51 x 51	1	400		
SECTION 15	2	a	8	HSS 76 x 51 x 4.8	1050	HSS 102 x 51	HSS 51 x 51	1	420		
SECTION 16	N/A		0	N/A	1070	N/A	N/A		N/A		
CATWALK 6	2	b	82.5	HSS 76 x 51 x 4.8	1070	HSS 102 x 51	HSS 51 x 51	2	100		
SECTION 17	2	b	36.4	HSS 76 x 51 x 4.8	1040	HSS 102 x 51	HSS 51 x 51	2	100	Y	16
SECTION 18	2	b	14.6	HSS 76 x 51 x 4.8	1100	HSS 102 x 51	HSS 51 x 51	2	100		
SECTION 19	2	b	17.7	HSS 76 x 51 x 4.8	1100	HSS 102 x 51	HSS 51 x 51	2	100		
SECTION 20	2	b	52	HSS 76 x 51 x 4.8	1100	HSS 102 x 51	HSS 51 x 51	2	100		
SECTION 21	2	b	37.3	HSS 76 x 51 x 4.8	1100	HSS 102 x 51	HSS 51 x 51	2	100		
CATWALK 7	2	b	136	HSS 76 x 51 x 4.8	1070	HSS 102 x 51	HSS 51 x 51	2	100	Y	60



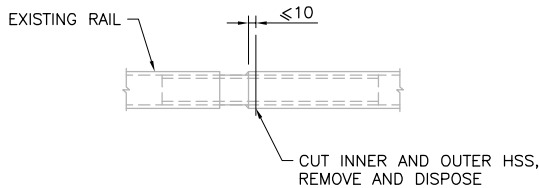
REMOVABLE POST

1:4  
(LOOKING AT LARGEST FACE)



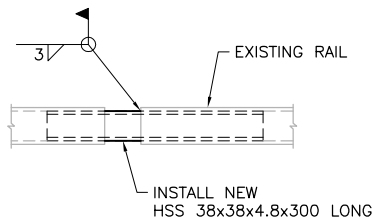
SECTION THROUGH POST

1:4



RAIL SPLICE – REMOVAL

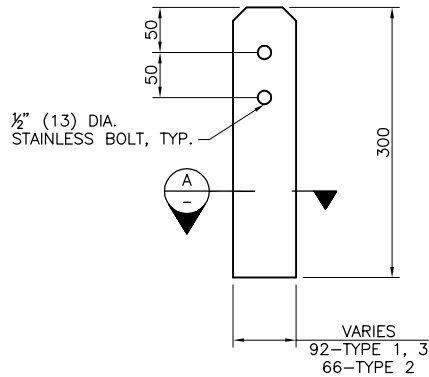
1:5



RAIL SPLICE – REPLACEMENT

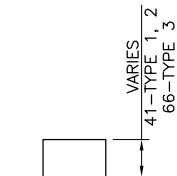
1:5

NOTE:  
WELD TO BE ON DOWNHILL END OF SPLICE



PLUG

1:4



SECTION A

1:4

NOTES:

1. WELDING TO CAN/CSA W59
2. NEW HSS: G40.21M GRADE 350W CLASS C
3. NEW PLATE: G40.21M GRADE 350W
4. TOUCH UP DAMAGED COATINGS WITH AN APPROVED SYSTEM.

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

DO NOT SCALE DRAWINGS

0	ISSUED FOR REVIEW	15/11/23
Revision/ Révision	Description/Description	Date/Date

Client/client  
Parks Canada  
Agence  
L'Agence Parcs  
Canada

**BUCKLAND  
& TAYLOR** | **COWI**

Project title/Titre du projet

BANFF NATIONAL PARK, ALBERTA

**JOHNSTON CANYON TRAIL  
PHASE 2**

Approved by/Approuve par  
DPG

Designed by/Concept par  
THSU/DAWO

Drawn by/Dessiné par  
JAGN/JAET

PWGSC Project Manager/Administrateur de Projets IPSGC

PWGSC, Architectural and Engineering Resource Manager/  
Ressource Architectural et de Directeur d'Ingénierie, IPSGC

Client/client  
PCA

Drawing title/Titre du dessin

**RAILING REMOVAL  
AND REPLACEMENT**

Project No./No. du projet	Sheet/Feuille <b>1</b> OF 2	Revision no./ Lo Révision no. <b>0</b>
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