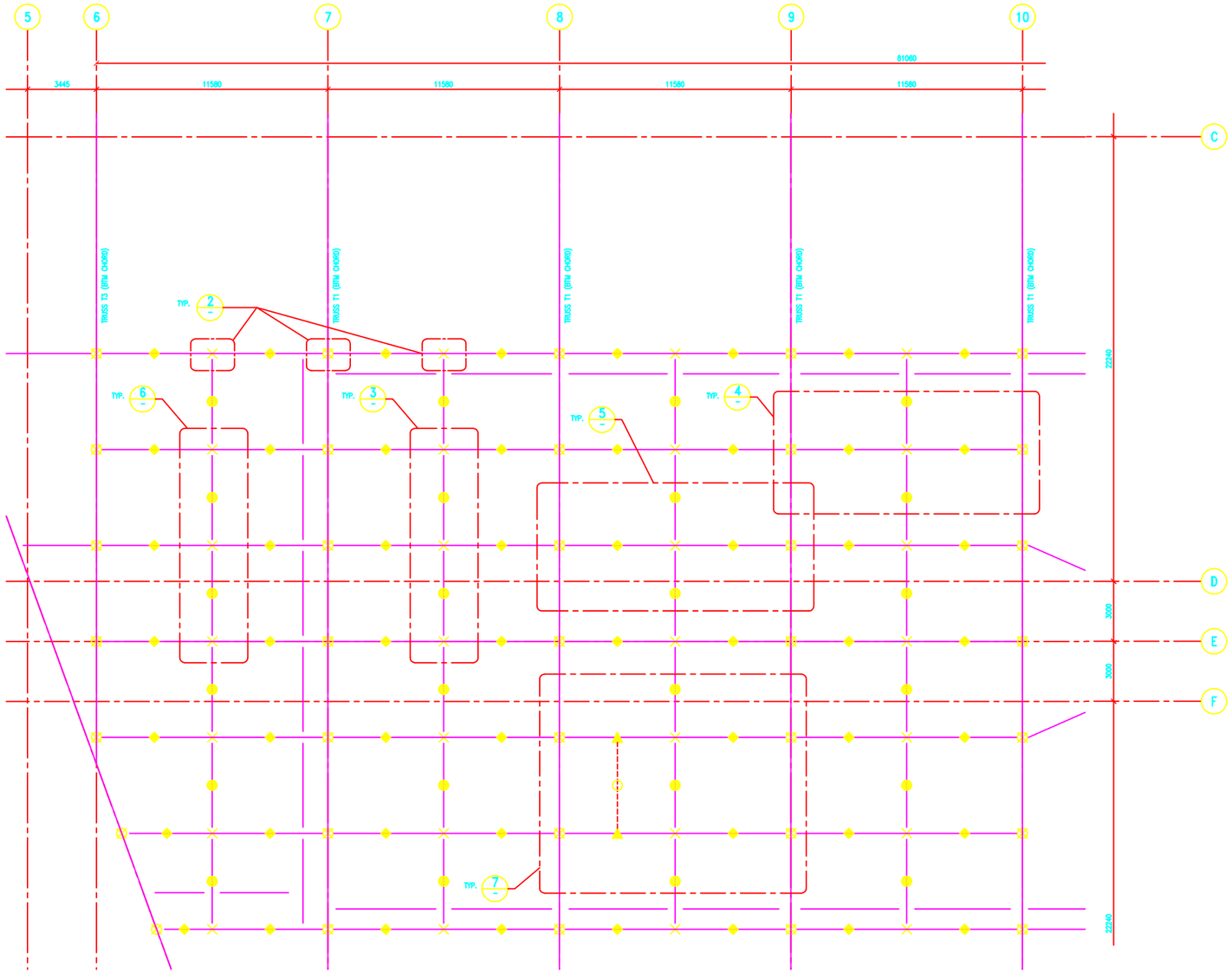
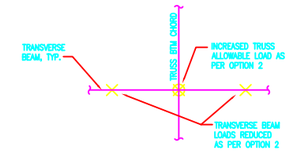
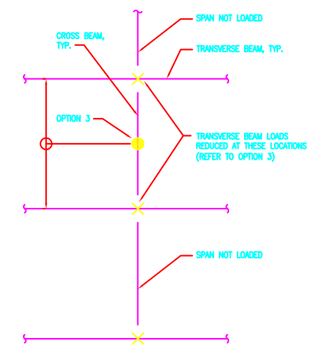


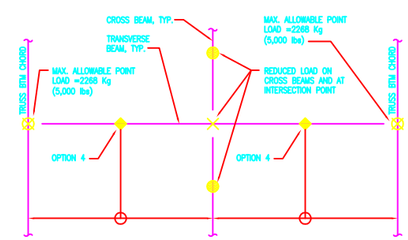
1 S9.01 EVENT GRID LOADING DETAIL
1:100



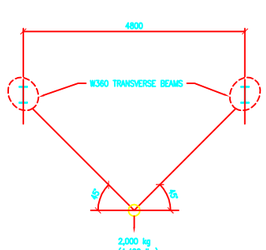
2 ALTERNATE TRUSS EVENT LOADING ARRANGEMENT DETAIL
1:50



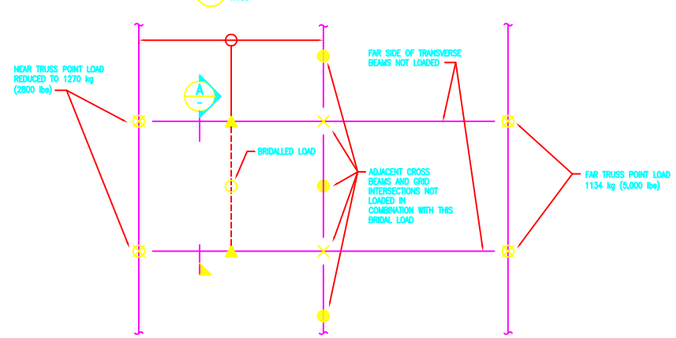
3 CROSS BEAM LOADING DETAIL
1:50



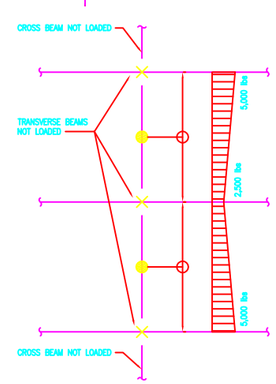
4 ALTERNATE TRANSVERSE BEAM LOADING DETAIL
1:50



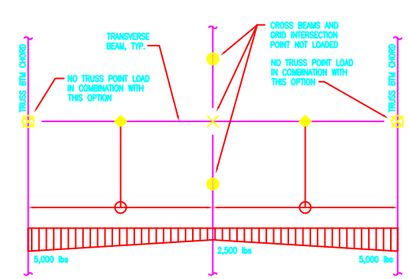
A SECTION
1:50



7 DETAIL
1:50



6 MULTIPLE CROSS BEAM LOADING DETAIL
1:50



5 ALTERNATE TRANSVERSE BEAM LOADING DETAIL
1:50

NOTES:

⊗ DENOTES ALLOWABLE VERTICAL POINT LOAD HUNG FROM TRUSS TOP OR BOTTOM CHORD AT TRUSS PANEL POINT, SEE OPTIONS 2, 5 AND 7.

× DENOTES ALLOWABLE VERTICAL POINT LOAD HUNG FROM EVENT GRID BEAMS, SEE OPTIONS 1 – 7.

● DENOTES ALLOWABLE VERTICAL LOAD ON CROSS BEAMS, SEE OPTIONS 3, 4 AND 6.

◆ DENOTES ALLOWABLE VERTICAL LOAD ON TRANSVERSE BEAMS, SEE OPTIONS 4 AND 5.

△○ DENOTES BRIDAL LOADS ON TRANSVERSE BEAMS SEE OPTION 7.

RIGGING LOADS

OPTION 1 TOTAL LOAD =2268 kg (5,000 lbs) AT EACH ⊗ AND × LOCATION, MAXIMUM. SEE DETAIL 1 THIS DWG.

OPTION 2 IF EVENT RIGGING IS NOT LOADED ON BOTH SIDES OF A TRUSS, THE EVENT LOAD AT POINT ⊗ MAY BE INCREASED TO A MAXIMUM OF 4536 kg (10,000 lbs). ALTERNATIVELY, POINT ⊗ MAY BE INCREMENTALLY INCREASED ABOVE 2268kg (5000 lbs) TO THE MAXIMUM ALLOWABLE LOAD IF ADJACENT × LOADS ARE REDUCED BY AN EQUAL AMOUNT. SEE DETAIL 2, THIS DWG

OPTION 3 TOTAL LOAD ● ALONG THE CROSS BEAM LENGTH =2268 kg (5,000 lbs) MAXIMUM PROVIDED THAT ADJACENT LOADS × ARE ZERO. ALTERNATIVELY, LOAD ● MAY INTRODUCED IN CONJUNCTION WITH ADJACENT LOADS × PROVIDED THAT BOTH ADJACENT LOADS × ARE REDUCED BY AN AMOUNT EQUAL TO LOAD ● ; SEE DETAIL 3 THIS DWG.

OPTION 4 TOTAL LOAD ◆ ALONG EACH SEGMENT OF THE TRANSVERSE BEAM =1134 kg (2,500 lbs) MAXIMUM, PROVIDED CROSS BEAM LOADS ● AND POINT LOAD × ARE ZERO; SEE DETAIL 4, THIS DWG. COMBINATION LOADING OF CROSS BEAM LOADS ●, TRANSVERSE BEAM LOADS ◆, AND POINT LOADS × ARE ACCEPTABLE PROVIDED THAT THE TOTAL TRIBUTARY LOAD ON THE TRANSVERSE BEAM IS NO GREATER THAN 2268 kg (5,000 lbs).

OPTION 5 LOAD ◆ MAY BE INCREASED TO A MAXIMUM OF 2268 kg (5,000 lbs) AS A RESULT OF ITS PROXIMITY TO THE MAIN ROOF TRUSS. SEE DETAIL 5 FOR LOAD ENVELOPES.

OPTION 6 MULTIPLE CROSS BEAMS MAY BE LOADED TO A MAXIMUM ● OF 1134 kg (2,500 lbs) EXCEPT WHERE ADJACENT CROSS BEAMS AND TRANSVERSE BEAMS ARE UNLOADED. SEE DETAIL 6 FOR ● LOAD ENVELOPES IN THIS CONDITION.

OPTION 7 SEE DETAIL 7 FOR BRIDALLING OF LOADS ONTO TRANSVERSE (W360) BEAMS

RIGGING:

ANY SPECIFIC LOADING COMBINATIONS OTHER THAN THE ABOVE LISTED OPTIONS, INCLUDING BRIDALLING OF LOADS, SEASONAL LOADS, ETC. SHALL BE SUBMITTED IN WRITING TO THE ENGINEER FOR APPROVAL PRIOR TO LOADING.

REVISION	DATE	DESCRIPTION	BY	CHECKED	PROOFREAD	FINAL REV.	IP	FINISHED
5	24/MAR/06	DETAILS 6, 7 CLARIFIED	SDC	AP	GDH	CB	DT	
4	24/MAR/06	OPTION 3 REVISED; & OPTIONS 5, 6 & 7 ADDED	SDC	AP	GDH	CB	DT	
3	24/MAR/06	EVENT RIGGING LOAD OPTIONS 1 & OPT. 3 REVISED & OPTIONS 3 AND 4 ADDED	SDC	AP	GDH	CB	DT	
2	24/MAR/06	RECORD DRAWING	JG.	AP	GDH	CB	DT	
1	24/MAR/06	ISSUED FOR CLIENT REVIEW	SDC	AP	GH	CB	DT	

ABBOTSFORD
ENTERTAINMENT AND SPORTS CENTRE

PCL
CONSTRUCTION LEADERS

PBK ARCHITECTS
GENIVAR
1985 WEST BROADWAY, SUITE 200
VANCOUVER, BRITISH COLUMBIA, CANADA V6J 4V3
TELEPHONE: (604) 736-5421
FAX: (604) 736-1518

STRUCTURAL

EVENT RIGGING LOADING PLAN

DESIGNED	
DRAWN	JG.
SCALE	1:100
DATE	24MAR06

SEAL

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PROJECT NO. VA07501
DRAWING NO. S9.02
REV 5

THIS REVISION SUPERSEDES DRAWINGS BEARING PREVIOUS REVISION LETTER

CIVIL | ELECT | MECH | STRUCT | ARCH | ARCH